MRT Technology (Suzhou) Co., Ltd
Phone: +86-512-66308358
Fax: +86-512-66308368
Web: www.mrt-cert.com

Report No.: 1408RSU00101
Report Version: V02
Issue Date: 10-07-2014

MEASUREMENT REPORT
FCC PART 15.407 WLAN 802.11a/n/ac

FCC ID: TK4WLE600V5-27ESD

APPLICANT: Compex Systems Pte Ltd

Application Type: Certification

Product: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER
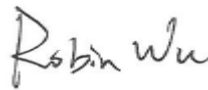
Model No.: WLE600V5-27ESD

Brand Name: COMPEX

FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s): Part 15.407

Test Procedure(s): KDB 789033 D02v01, KDB 662911 D01v02r01

Test Date: Sep. 23 ~ 30, 2014

Reviewed By : *Robin Wu*
(Robin Wu)

Approved By : *Marlin Chen*
(Marlin Chen)

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 789033 D02v01. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date
1408RSU00101	Rev. 01	Initial report	09-30-2014
1408RSU00101	Rev. 02	Corrected some test frequency	10-07-2014

CONTENTS

§2.1033 General Information

Applicant:	Compex Systems Pte Ltd
Applicant Address:	135, Joo Seng Road, #08-01 Singapore 368363
Manufacturer:	Compex Systems Pte Ltd
Manufacturer Address:	135, Joo Seng Road, #08-01 Singapore 368363
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
MRT FCC Registration No.:	809388
FCC Rule Part(s):	Part 15.407
Model No.:	WLE600V5-27ESD
FCC ID:	TK4WLE600V5-27ESD
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	Unlicensed National Information Infrastructure (UNII)
Date(s) of Test:	Sep. 23 ~ 29, 2014
Test Report S/N:	1408RSU00101

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- **MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.**
- **MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (11384A-1).**
- **MRT facility is an IC registered (11384A-1) test laboratory with the site description on file at Industry Canada.**

American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

MRT TECHNOLOGY (SUZHOU) CO., LTD.

Suzhou, China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 17th day of June 2014.

President & CEO
For the Accreditation Council
Certificate Number 3628.01
Valid to August 31, 2016

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER
Model No.	WLE600V5-27ESD
Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz; 5775MHz
Maximum Output Power	802.11a: 28.98dBm 802.11n-HT20: 29.13dBm 802.11ac-VHT20: 29.04dBm 802.11n-HT40: 28.13dBm 802.11ac-VHT40: 28.01dBm 802.11ac-VHT80: 26.75dBm
Type of Modulation	802.11a/n/ac: OFDM

2.2. Frequency / Channel Operation

Channel List for 802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

Channel List for 802.11n-HT40/ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

Channel List for 802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	--	--

2.3. Description of Available Antennas

Antenna Type	Frequency Band (GHz)	Manufacturer	Tx Paths	Max Directional Gain (dBi)
Panel Antenna 1#	5.1 ~ 5.8	Lanbowan Communications Ltd.	2	25
Panel Antenna 2#	5.1 ~ 5.8	Kenbotong Communication LTD	2	19
Panel Antenna 3#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	17
Panel Antenna 4#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	15
Panel Antenna 5#	5.1 ~ 5.8	Kenbotong Communication LTD	2	10
Panel Antenna 6#	5.1 ~ 5.8	Smart Ant Inc	2	7
Panel Antenna 7#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	5
Panel Antenna 8#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	5
Dipole Antenna 1#	5.1 ~ 5.8	Kunshan Wavelink Electronic Co., Ltd.	2	2

Note1: The device didn't support transmit beam-forming mode and Cyclic Delay Diversity (CDD) mode, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note2: We selected the panel 1# and dipole antenna 1# for all radiated emission testing.

2.4. Test Mode

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11ac-VHT20
	Mode 4: Transmit by 802.11n-HT40
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80

2.5. Test Software

The test utility software used during testing was "ART2-GUI Version: 2.3".

Final Power Parameter Value of the test software.

Test Mode	Test Frequency	Power Parameter Value		
		Ant 0	Ant 1	Ant 0 + 1
802.11a	5180	12.0	12.0	--
	5220	12.5	12.0	--
	5240	12.5	12.5	--
	5745	25.0	24.5	--
	5785	27.5	28.0	--
	5825	26.0	25.0	--
802.11n-HT20	5180	12.0	12.0	11.5
	5220	12.5	12.0	11.5
	5240	12.5	12.5	11.5
	5745	25.0	24.5	24.5
	5785	28.0	28.0	26.5
	5825	25.5	25.0	25.0
802.11ac-VHT20	5180	12.0	12.0	11.5
	5220	12.5	12.0	11.5
	5240	12.5	12.0	12.0
	5745	25.0	24.5	24.5
	5785	28.0	28.0	26.5
	5825	25.5	24.5	24.5
802.11n-HT40	5190	11.5	11.0	11.0
	5230	12.0	11.5	11.0
	5755	24.5	24.0	25.0
	5795	26.0	25.5	25.0
802.11ac-VHT40	5190	11.0	11.5	11.0

	5230	11.5	11.5	11.00
	5755	24.0	24.5	24.00
	5795	25.0	25.0	25.00
802.11ac-VHT80	5210	12.0	12.0	11.00
	5775	24.0	24.0	24.00

2.6. Device Capabilities

This device contains the following capabilities:

5GHz WLAN (UNII).

Note: 5GHz (NII) operation is possible in 20MHz and 40MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) of KDB 789033 D02v01. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

- 802.11a 20MHz Bandwidth – 96.7%
- 802.11n 20MHz Bandwidth – 96.4%
- 802.11ac 20MHz Bandwidth – 95.7%
- 802.11n 40MHz Bandwidth – 88.7%
- 802.11ac 40MHz Bandwidth – 88.4%
- 802.11ac 80MHz Bandwidth – 83.6%

2.7. Test Configuration

The **WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER FCC ID: TK4WLE600V5-27ESD** was tested per the guidance of KDB 789033 D02v01. ANSI C63.4-2009 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.8. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.9. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name and FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.4-2009), and the guidance provided in KDB 789033 D02v01 were used in the measurement of the **WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER FCC ID: TK4WLE600V5-27ESD.**
Deviation from measurement procedure…………………………..................................None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.4-2009 at Clause 4.3.

Line conducted emissions test results are shown in Section 7.10.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. An MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 0.8 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

● The antenna of the WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER uses a unique connector.

Antenna Type	Antenna Connector Type
Panel Antenna 1#	Inverted connector
Panel Antenna 2#	Inverted connector
Panel Antenna 3#	IPEX connector
Panel Antenna 4#	IPEX connector
Panel Antenna 5#	Inverted threaded connector
Panel Antenna 6#	Inverted threaded connector
Panel Antenna 7#	IPEX connector
Panel Antenna 8#	IPEX connector
Dipole Antenna 1#	Inverted connector

Conclusion:

The **WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER FCC ID: TK4WLE600V5-27ESD** unit complies with the requirement of §15.203.

5.   TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	101209	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101683	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101684	1 year	2014/11/08
Temperature/ Meter Humidity	Anymetre	TH101B	SR2-01	1 year	2014/11/15

Radiated Emission

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	E4447A	MY45300136	1 year	2014/11/18
EMI Test Receiver	R&S	ESR7	101209	1 year	2014/11/08
Preamplifier	MRT	AP01G18	1310002	1 year	2014/10/07
Preamplifier	MRT	AP18G40	1310001	1 year	2014/10/07
Loop Antenna	Schwarzbeck	FMZB1519	1519-041	1 year	2014/11/24
TRILOG Antenna	Schwarzbeck	VULB9162	9162-047	1 year	2014/11/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1167	1 year	2014/11/24
Broadband Horn Antenna	Schwarzbeck	BBHA9170	9170-549	1 year	2014/12/11
Temperature/Humidity Meter	Anymetre	TH101B	AC1-01	1 year	2014/11/15

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY5144016A	1 year	2015/01/04
Power Sensor	Agilent	U2021XA	MY52450003	1 year	2014/12/14
Temperature & Humidity Chamber	BAOYT	BYH-1500L	1309W043	1 year	2014/11/20
Temperature/Humidity Meter	Anymetre	TH101B	TR3-01	1 year	2014/11/15

6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: ± 3.46dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: ± 4.18dB 1GHz ~ 40GHz: ± 4.76dB

7. TEST RESULT

7.1. Summary

Company Name: **Compex Systems Pte Ltd**

FCC ID: **TK4WLE600V5-27ESD**

FCC Classification: **Unlicensed National Information Infrastructure (UNII)**

Data Rate(s) Tested: <u>**6Mbps ~ 54Mbps (a);**</u>

<u>**6.5Mbps ~ 130Mbps (n-HT20MHz BW);**</u>

<u>**6.5Mbps ~ 156Mbps (ac-VHT20MHz BW);**</u>

<u>**13.5Mbps ~ 270Mbps (n-HT40MHz BW);**</u>

<u>**13.5Mbps ~ 360Mbps (ac-VHT40MHz BW);**</u>

<u>**29.3 Mbps ~ 780Mbps (ac-VHT80MHz BW);**</u>

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Pass	Section 7.2
15.407(e)	6dB Bandwidth	≥ 500kHz		Pass	Section 7.3
15.407(a)(1)(iii), (3)	Maximum Conducted Output Power	< 30 dBm U-NII-1 < 30 dBm U-NII-3		Pass	Section 7.4
15.407(h)(1)	Transmit Power Control	< 24 dBm		Pass	Section 7.5
15.407(a)(1)(iii), (3), (5)	Peak Power Spectral Density	< 17 dBm/MHz U-NII-1 < 30 dBm/MHz U-NII-3		Pass	Section 7.6
15.407(g)	Frequency Stability	N/A		Pass	Section 7.7
15.407(b)(1), (4)	Undesirable Emissions	< -27dBm/MHz EIRP < -17dBm/MHz EIRP	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.10

Notes:

1) All channels, modes, and modulations/data rates were investigated among all UNII bands. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.

2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

7.2. 26dB Bandwidth Measurement

7.2.1. Test Limit

N/A

7.2.2. Test Procedure used

KDB 789033 D02v01 – Section C.1

7.2.3. Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 26. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.

2. RBW = approximately 1% of the emission bandwidth.

3. VBW ≥ 3 × RBW.

4. Detector = Peak.
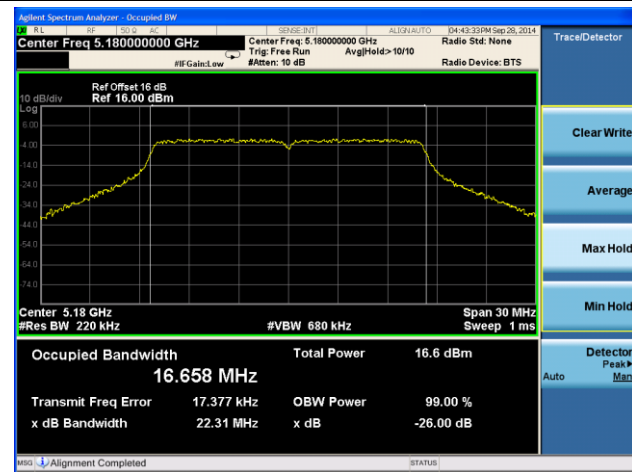
5. Trace mode = max hold.

7.2.4. Test Setup
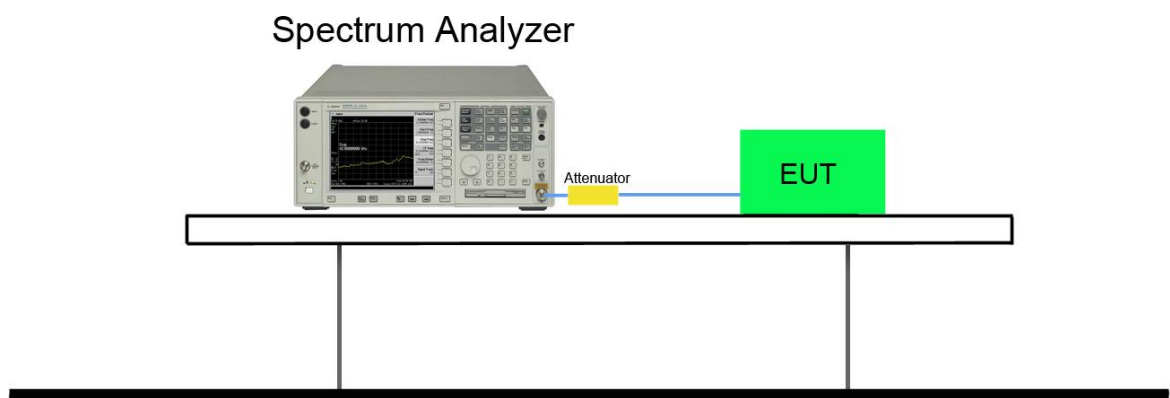
7.2.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
Ant 0						
802.11a	6	36	5180	22.31	16.66	Pass
802.11a	6	44	5220	22.05	16.65	Pass
802.11a	6	48	5240	22.09	16.63	Pass
802.11a	6	149	5745	22.13	16.64	Pass
802.11a	6	157	5785	22.70	16.63	Pass
802.11a	6	165	5825	22.17	16.63	Pass
802.11n-HT20	6.5	36	5180	22.99	17.82	Pass
802.11n-HT20	6.5	44	5220	22.39	17.83	Pass
802.11n-HT20	6.5	48	5240	22.87	17.81	Pass
802.11n-HT20	6.5	149	5745	22.97	17.82	Pass
802.11n-HT20	6.5	157	5785	23.92	17.81	Pass
802.11n-HT20	6.5	165	5825	23.37	17.79	Pass
802.11ac-VHT20	6.5	36	5180	23.14	17.83	Pass
802.11ac-VHT20	6.5	44	5220	22.31	17.80	Pass
802.11ac-VHT20	6.5	48	5240	23.26	17.81	Pass
802.11ac-VHT20	6.5	149	5745	22.45	17.84	Pass
802.11ac-VHT20	6.5	157	5785	23.15	17.78	Pass
802.11ac-VHT20	6.5	165	5825	23.30	17.81	Pass
802.11n-HT40	13.5	38	5190	43.93	36.42	Pass
802.11n-HT40	13.5	46	5230	44.21	36.37	Pass
802.11n-HT40	13.5	151	5755	44.59	36.42	Pass
802.11n-HT40	13.5	159	5795	45.23	36.43	Pass
802.11ac-VHT40	13.5	38	5190	44.79	36.42	Pass
802.11ac-VHT40	13.5	46	5230	43.79	36.45	Pass
802.11ac-VHT40	13.5	151	5755	44.78	36.46	Pass
802.11ac-VHT40	13.5	159	5795	43.50	36.36	Pass
802.11ac-VHT80	29.3	42	5210	95.19	76.00	Pass
802.11ac-VHT80	29.3	155	5775	99.93	76.02	Pass
Ant 1						
802.11a	6	36	5180	22.20	16.63	Pass
802.11a	6	44	5220	21.91	16.63	Pass
802.11a	6	48	5240	22.41	16.64	Pass

802.11a	6	149	5745	22.90	16.69	Pass
802.11a	6	157	5785	24.31	16.76	Pass
802.11a	6	165	5825	24.31	16.75	Pass
802.11n-HT20	6.5	36	5180	22.70	17.83	Pass
802.11n-HT20	6.5	44	5220	22.59	17.84	Pass
802.11n-HT20	6.5	48	5240	23.25	17.82	Pass
802.11n-HT20	6.5	149	5745	23.31	17.83	Pass
802.11n-HT20	6.5	157	5785	23.65	17.88	Pass
802.11n-HT20	6.5	165	5825	23.73	17.86	Pass
802.11ac-VHT20	6.5	36	5180	22.73	17.81	Pass
802.11ac-VHT20	6.5	44	5220	22.26	17.82	Pass
802.11ac-VHT20	6.5	48	5240	23.60	17.81	Pass
802.11ac-VHT20	6.5	149	5745	23.55	17.79	Pass
802.11ac-VHT20	6.5	157	5785	23.87	17.84	Pass
802.11ac-VHT20	6.5	165	5825	23.65	17.86	Pass
802.11n-HT40	13.5	38	5190	46.37	36.54	Pass
802.11n-HT40	13.5	46	5230	45.45	36.53	Pass
802.11n-HT40	13.5	151	5755	44.02	36.36	Pass
802.11n-HT40	13.5	159	5795	45.73	36.45	Pass
802.11ac-VHT40	13.5	38	5190	44.42	36.50	Pass
802.11ac-VHT40	13.5	46	5230	44.64	36.44	Pass
802.11ac-VHT40	13.5	151	5755	43.22	36.40	Pass
802.11ac-VHT40	13.5	159	5795	48.12	36.53	Pass
802.11ac-VHT80	29.3	42	5210	91.97	76.10	Pass
802.11ac-VHT80	29.3	155	5775	99.99	76.37	Pass

802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0

Channel 36 (5180MHz)	Channel 44 (5220MHz)

Occupied Bandwidth: 16.658 MHz
Total Power: 16.6 dBm
Transmit Freq Error: 17.377 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.31 MHz
x dB: -26.00 dB

Occupied Bandwidth: 16.647 MHz
Total Power: 16.6 dBm
Transmit Freq Error: 27.055 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.05 MHz
x dB: -26.00 dB

Channel 48 (5240MHz)	Channel 149 (5745MHz)

Occupied Bandwidth: 16.634 MHz
Total Power: 16.7 dBm
Transmit Freq Error: 18.568 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.09 MHz
x dB: -26.00 dB

Occupied Bandwidth: 16.635 MHz
Total Power: 30.6 dBm
Transmit Freq Error: 7.712 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.13 MHz
x dB: -26.00 dB

Channel 157 (5785MHz)	Channel 165 (5825MHz)

Occupied Bandwidth: 16.630 MHz
Total Power: 31.8 dBm
Transmit Freq Error: 3.365 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.70 MHz
x dB: -26.00 dB

Occupied Bandwidth: 16.634 MHz
Total Power: 31.0 dBm
Transmit Freq Error: 10.816 kHz
OBW Power: 99.00 %
x dB Bandwidth: 22.17 MHz
x dB: -26.00 dB

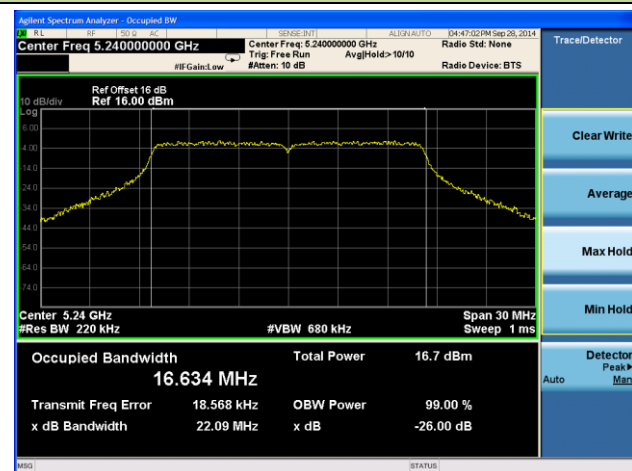## 802.11a 26dB Bandwidth & 99% Bandwidth - Ant 1
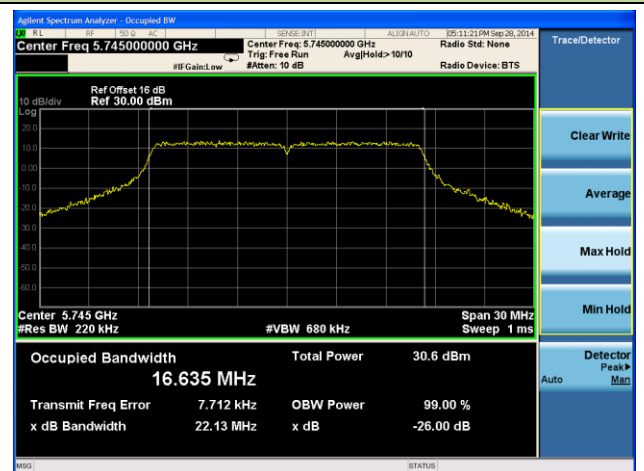
Channel 36 (5180MHz)
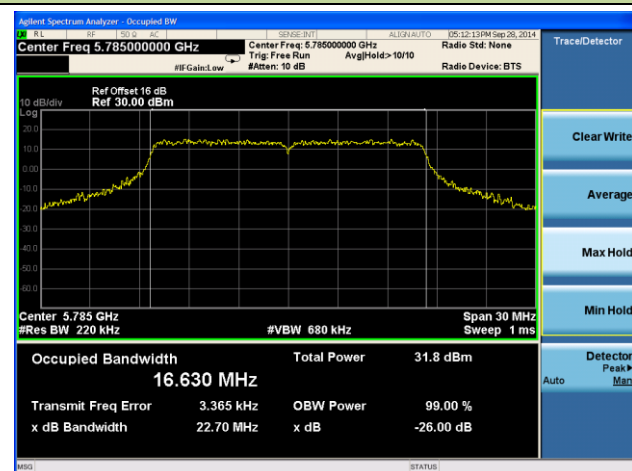

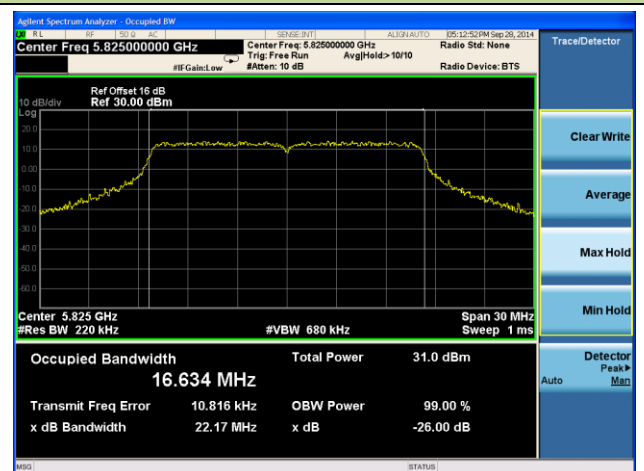
Channel 44 (5220MHz)

Channel 48 (5240MHz)

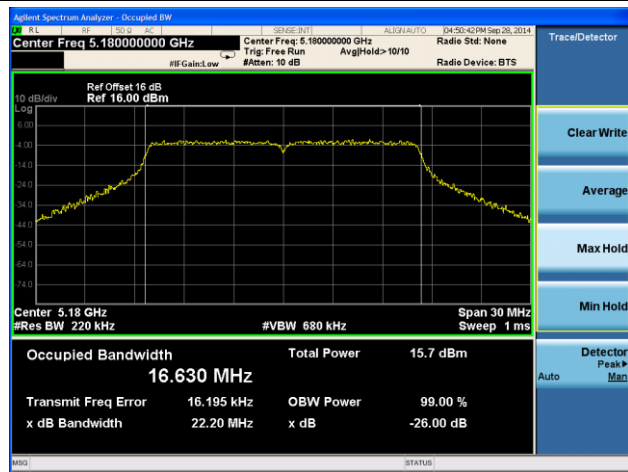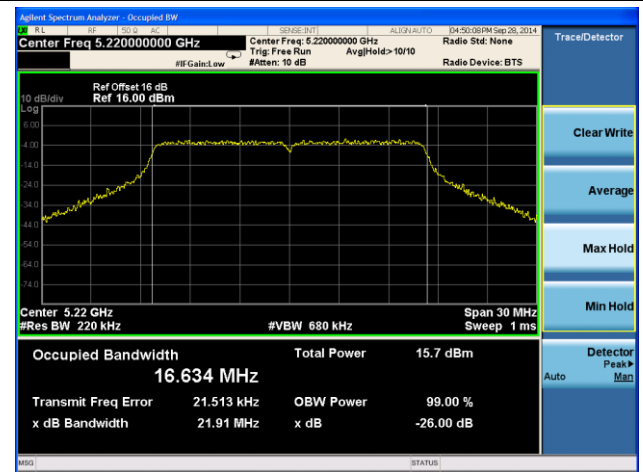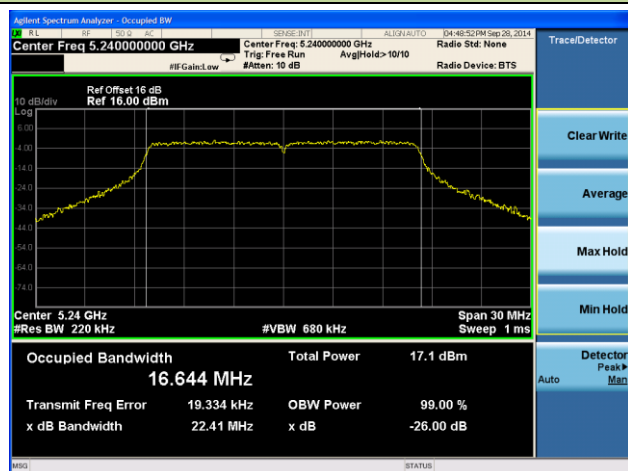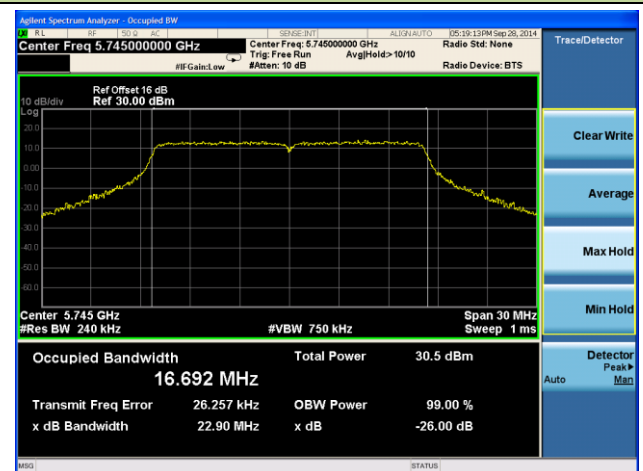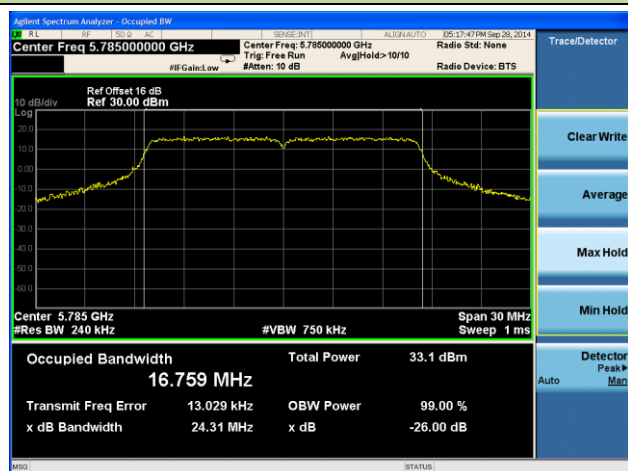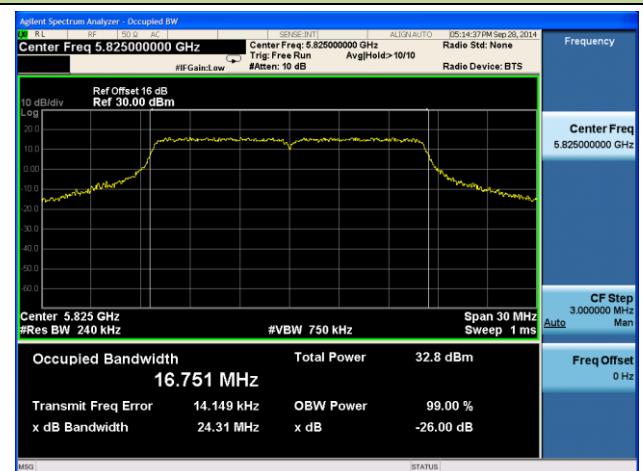### Channel 149 (5745MHz)
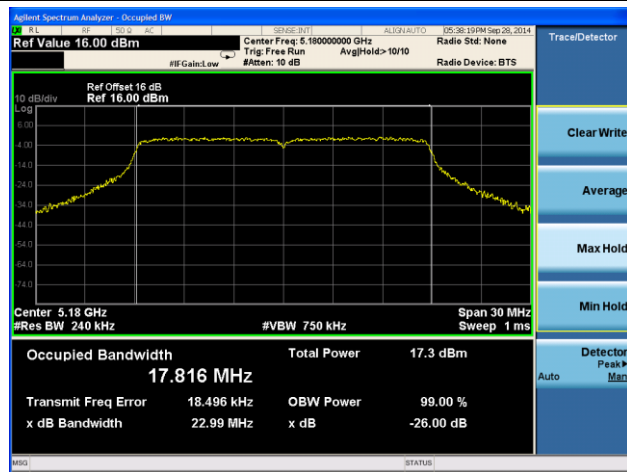

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0

Channel 36 (5180MHz)

Occupied Bandwidth	Total Power	17.3 dBm
17.816 MHz		
Transmit Freq Error	18.496 kHz	OBW Power	99.00 %
x dB Bandwidth	22.99 MHz	x dB	-26.00 dB

Channel 44 (5220MHz)

Occupied Bandwidth	Total Power	17.4 dBm
17.827 MHz		
Transmit Freq Error	26.097 kHz	OBW Power	99.00 %
x dB Bandwidth	22.39 MHz	x dB	-26.00 dB

Channel 48 (5240MHz)

Occupied Bandwidth	Total Power	17.6 dBm
17.809 MHz		
Transmit Freq Error	17.303 kHz	OBW Power	99.00 %
x dB Bandwidth	22.87 MHz	x dB	-26.00 dB

Channel 149 (5745MHz)

Occupied Bandwidth	Total Power	30.8 dBm
17.816 MHz		
Transmit Freq Error	6.513 kHz	OBW Power	99.00 %
x dB Bandwidth	22.97 MHz	x dB	-26.00 dB

Channel 157 (5785MHz)

Occupied Bandwidth	Total Power	31.6 dBm
17.810 MHz		
Transmit Freq Error	4.156 kHz	OBW Power	99.00 %
x dB Bandwidth	23.92 MHz	x dB	-26.00 dB

Channel 165 (5825MHz)

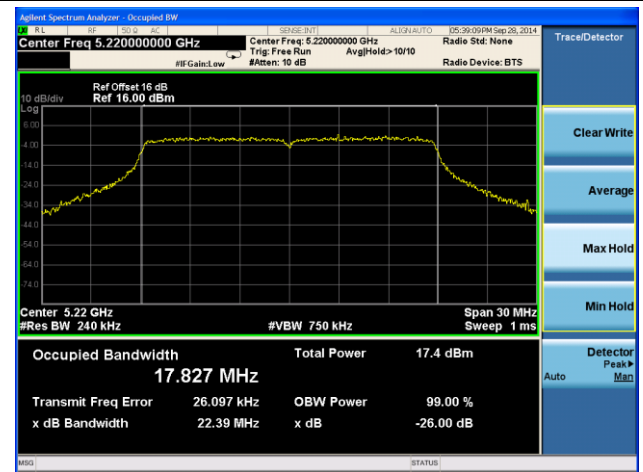| Occupied Bandwidth | Total Power | 30.8 dBm |
17.794 MHz		
Transmit Freq Error	5.479 kHz	OBW Power	99.00 %
x dB Bandwidth	23.37 MHz	x dB	-26.00 dB

802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 1

Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 36 (5180MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.180000000 GHz
Ref Offset 16 dB Ref 16.00 dBm
10 dB/div
Center 5.18 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	17.0 dBm
17.825 MHz		
Transmit Freq Error	14.280 kHz	OBW Power	99.00 %
x dB Bandwidth	22.70 MHz	x dB	-26.00 dB

Channel 44 (5220MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.220000000 GHz
Ref Offset 16 dB Ref 16.00 dBm
10 dB/div
Center 5.22 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	17.0 dBm
17.835 MHz		
Transmit Freq Error	14.545 kHz	OBW Power	99.00 %
x dB Bandwidth	22.59 MHz	x dB	-26.00 dB

Channel 48 (5240MHz)	Channel 149 (5745MHz)

Channel 48 (5240MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.240000000 GHz
Ref Offset 16 dB Ref 16.00 dBm
10 dB/div
Center 5.24 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	18.0 dBm
17.817 MHz		
Transmit Freq Error	29.850 kHz	OBW Power	99.00 %
x dB Bandwidth	23.25 MHz	x dB	-26.00 dB

Channel 149 (5745MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.745000000 GHz
Ref Offset 16 dB Ref 30.00 dBm
10 dB/div
Center 5.745 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	30.4 dBm
17.829 MHz		
Transmit Freq Error	27.251 kHz	OBW Power	99.00 %
x dB Bandwidth	23.31 MHz	x dB	-26.00 dB

Channel 157 (5785MHz)	Channel 165 (5825MHz)

Channel 157 (5785MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.785000000 GHz
Ref Offset 16 dB Ref 30.00 dBm
10 dB/div
Center 5.785 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	32.5 dBm
17.881 MHz		
Transmit Freq Error	14.210 kHz	OBW Power	99.00 %
x dB Bandwidth	23.65 MHz	x dB	-26.00 dB

Channel 165 (5825MHz)

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.825000000 GHz
Ref Offset 16 dB Ref 30.00 dBm
10 dB/div
Center 5.825 GHz Span 30 MHz
#Res BW 240 kHz #VBW 750 kHz Sweep 1 ms

Occupied Bandwidth	Total Power	32.4 dBm
17.864 MHz		
Transmit Freq Error	-7.134 kHz	OBW Power	99.00 %
x dB Bandwidth	23.73 MHz	x dB	-26.00 dB

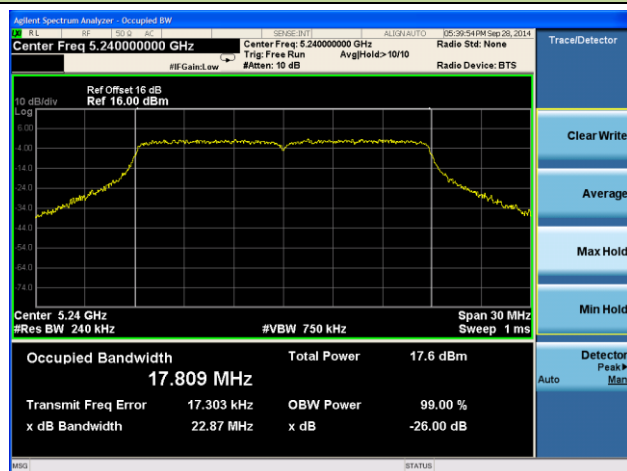## 802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0

Channel 36 (5180MHz)

Channel 44 (5220MHz)

Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 1
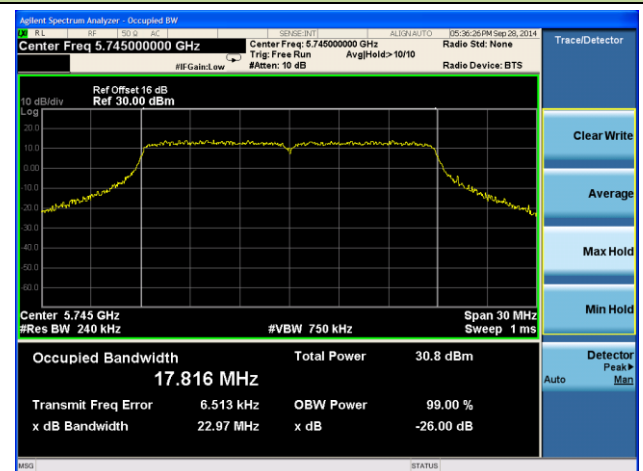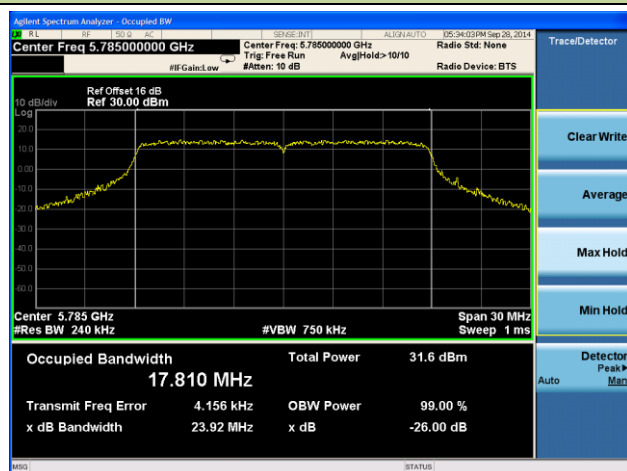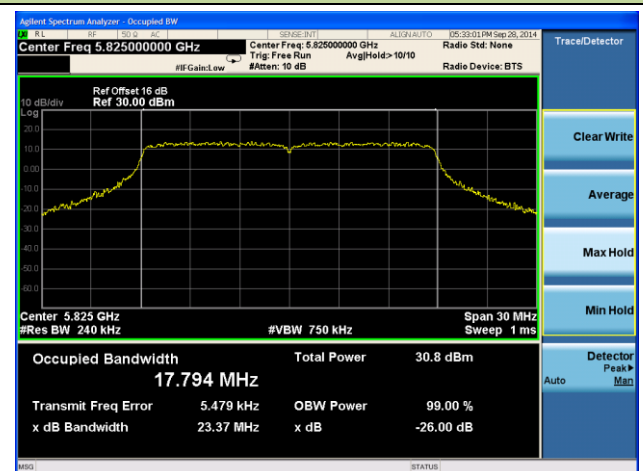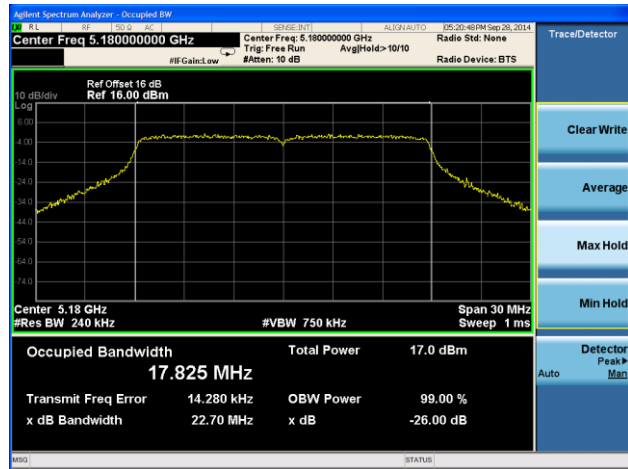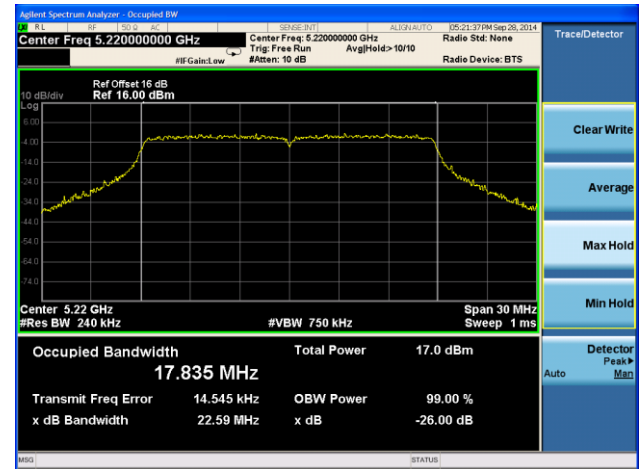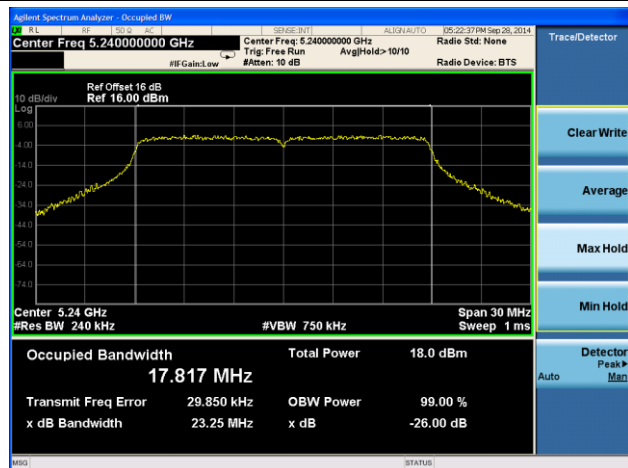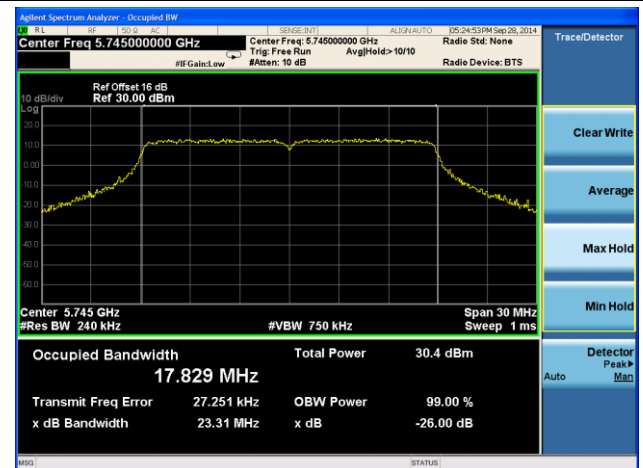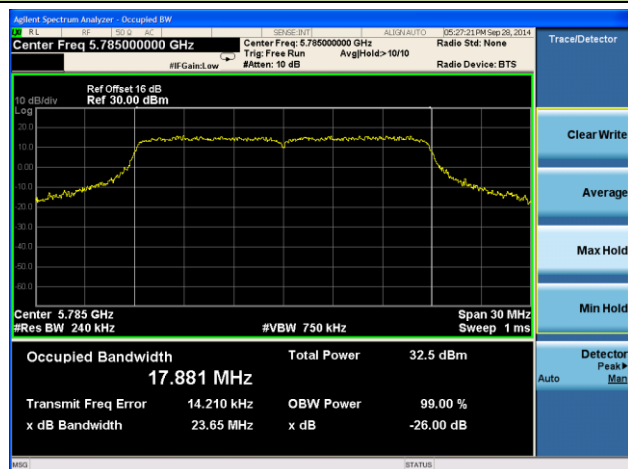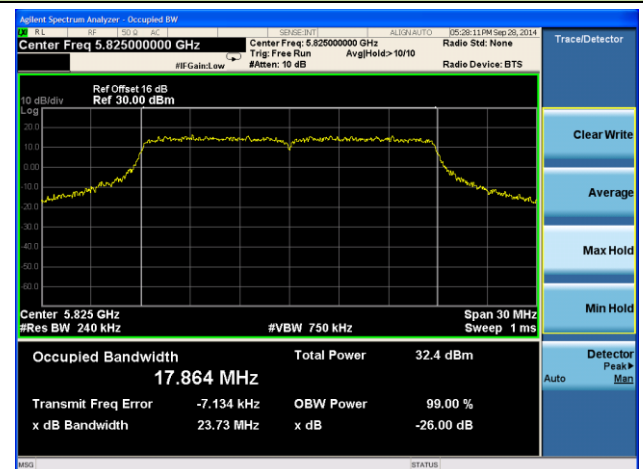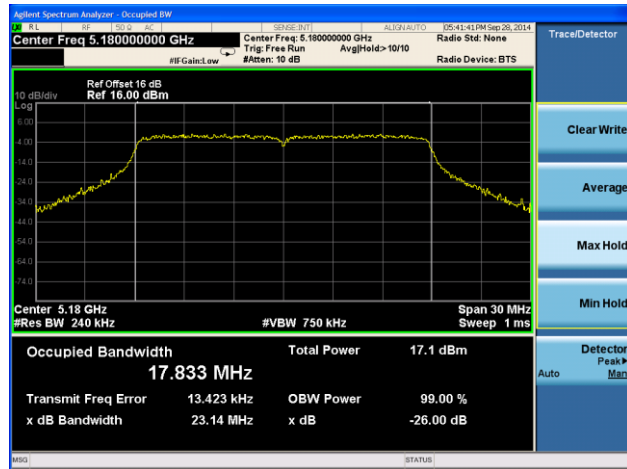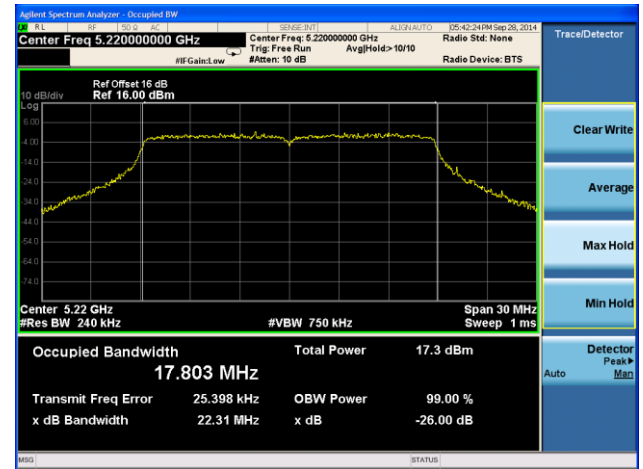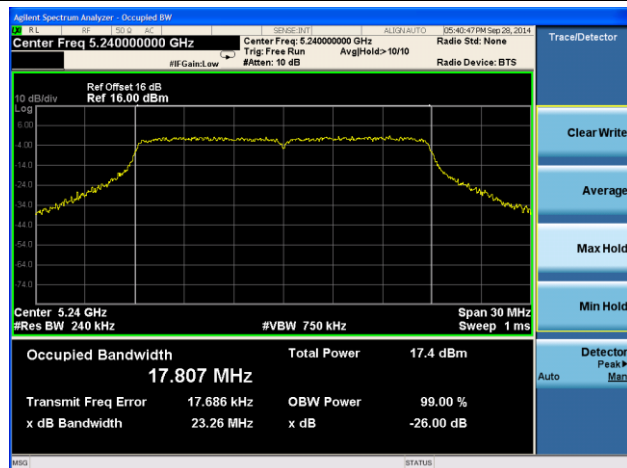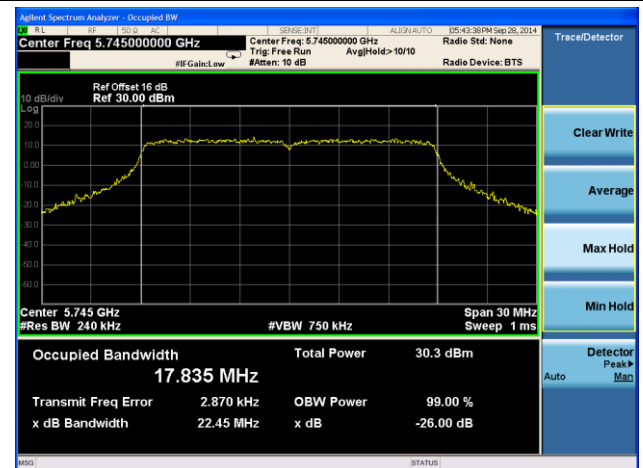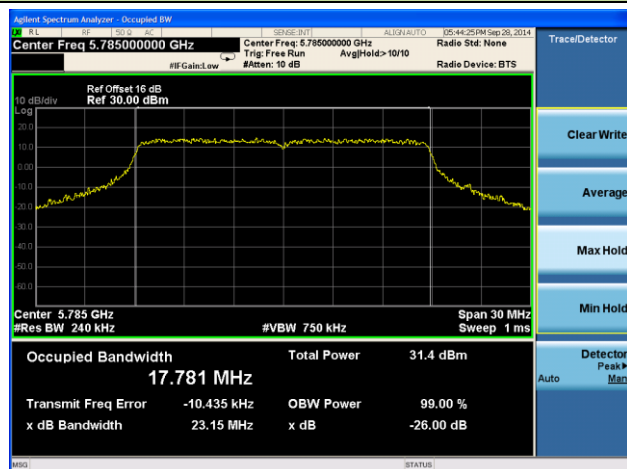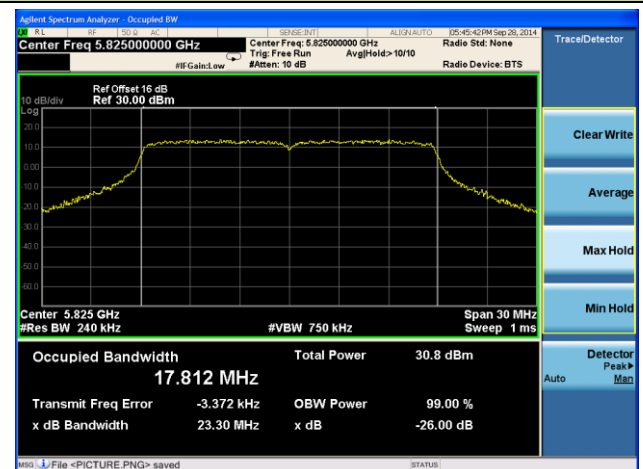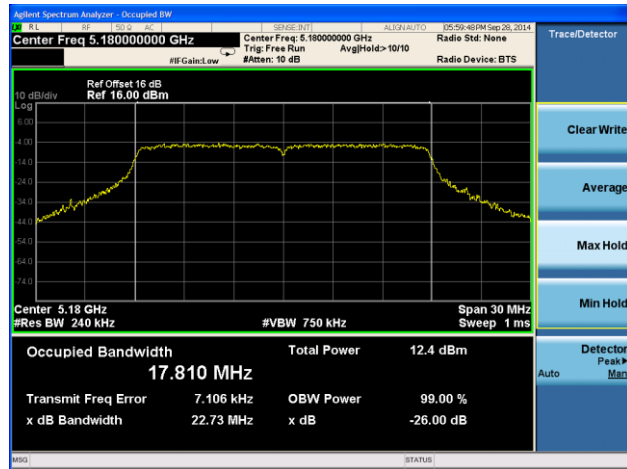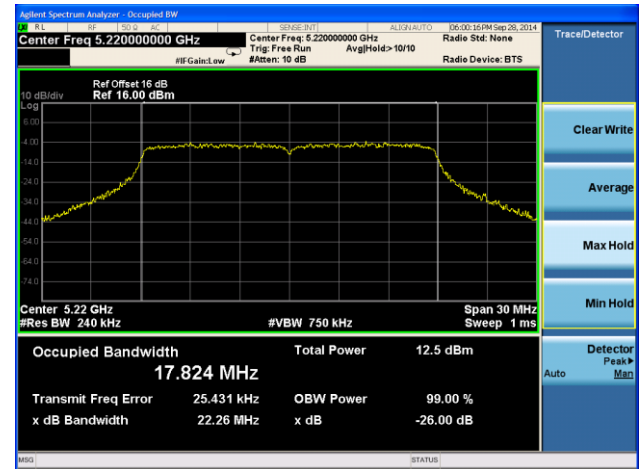
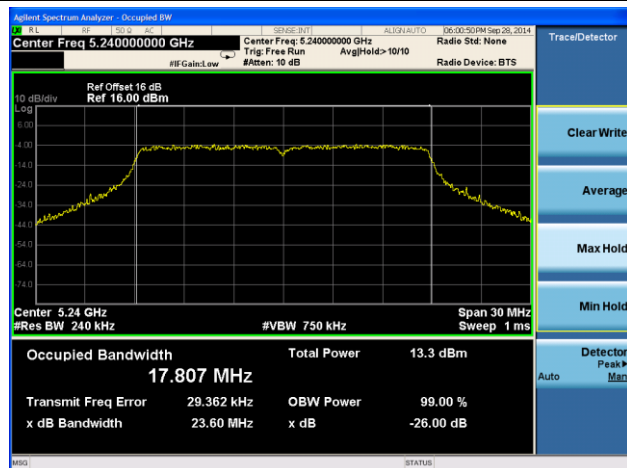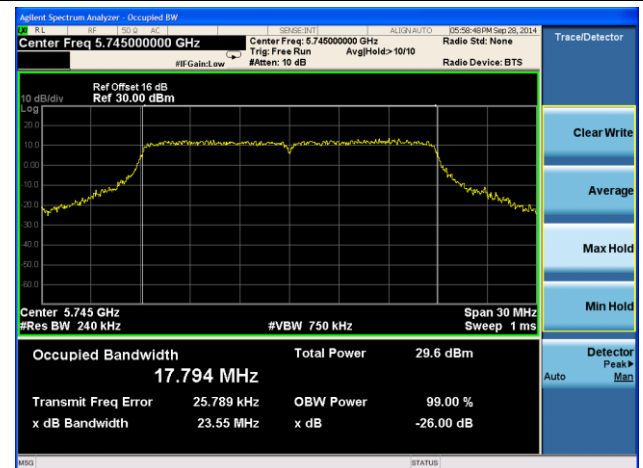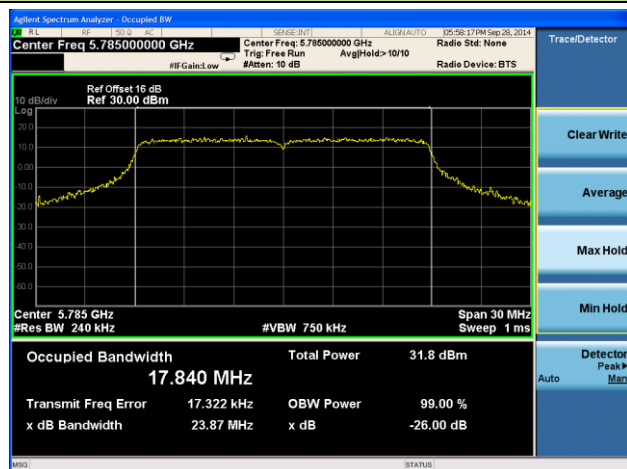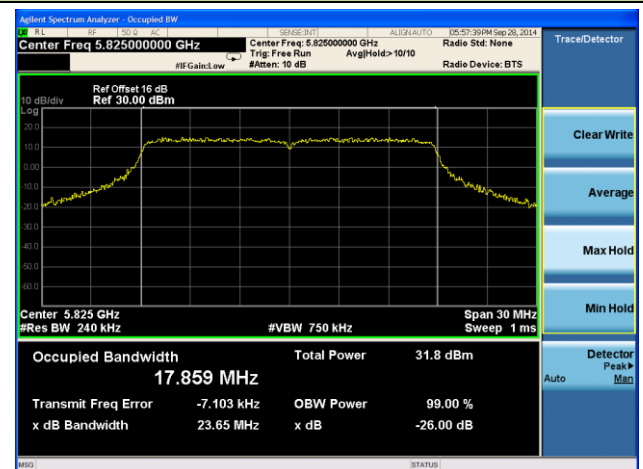| Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 48 (5240MHz)	Channel 149 (5745MHz)

Channel 157 (5785MHz)	Channel 165 (5825MHz)

802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0

Channel 38 (5190MHz)	Channel 46 (5230MHz)

Occupied Bandwidth	Total Power	16.7 dBm
36.423 MHz		
Transmit Freq Error 23.964 kHz	OBW Power	99.00 %
x dB Bandwidth 43.93 MHz	x dB	-26.00 dB

Occupied Bandwidth	Total Power	16.8 dBm
36.370 MHz		
Transmit Freq Error 59.885 kHz	OBW Power	99.00 %
x dB Bandwidth 44.21 MHz	x dB	-26.00 dB

Channel 151 (5755MHz)	Channel 159 (5795MHz)

Occupied Bandwidth	Total Power	29.5 dBm
36.415 MHz		
Transmit Freq Error -37.122 kHz	OBW Power	99.00 %
x dB Bandwidth 44.59 MHz	x dB	-26.00 dB

Occupied Bandwidth	Total Power	30.6 dBm
36.429 MHz		
Transmit Freq Error -27.886 kHz	OBW Power	99.00 %
x dB Bandwidth 45.23 MHz	x dB	-26.00 dB

802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 1

Channel 38 (5190MHz)	Channel 46 (5230MHz)

Occupied Bandwidth	Total Power	13.5 dBm
36.536 MHz		
Transmit Freq Error 19.945 kHz	OBW Power	99.00 %
x dB Bandwidth 46.37 MHz	x dB	-26.00 dB

Occupied Bandwidth	Total Power	13.6 dBm
36.527 MHz		
Transmit Freq Error 76.360 kHz	OBW Power	99.00 %
x dB Bandwidth 45.45 MHz	x dB	-26.00 dB

Channel 151 (5755 MHz)	Channel 159 (5795 MHz)
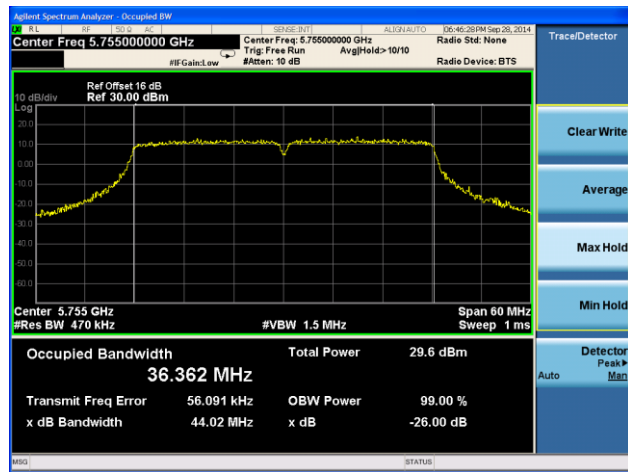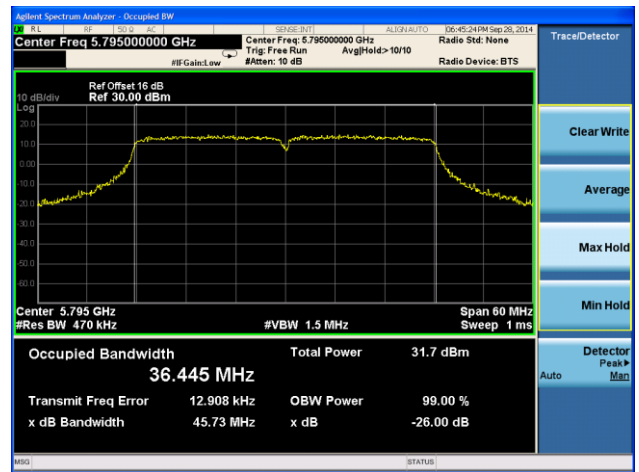
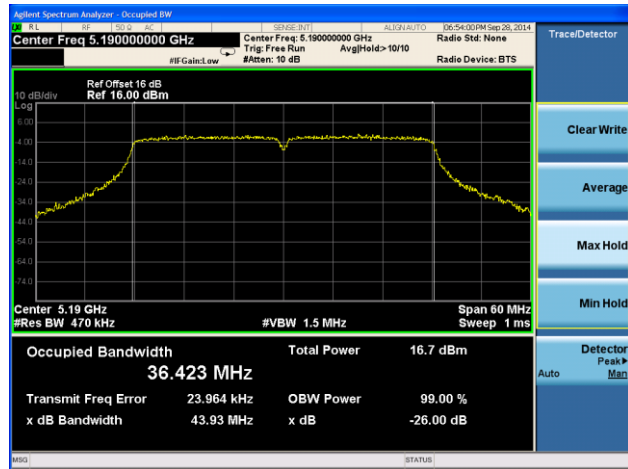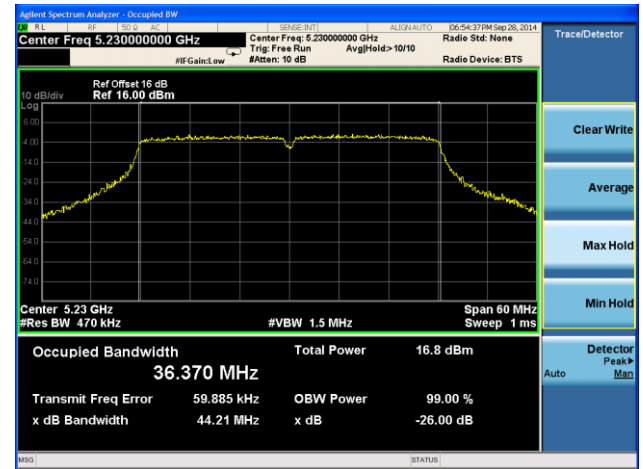| 802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 0	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
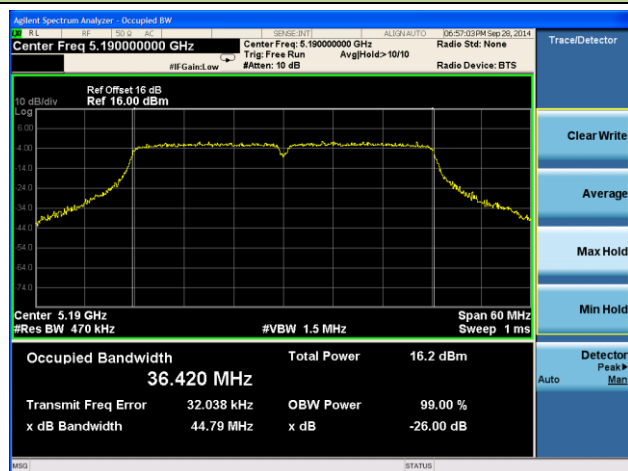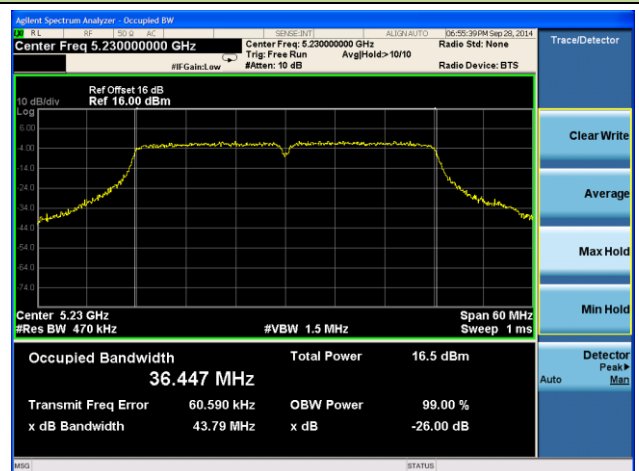
802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 1
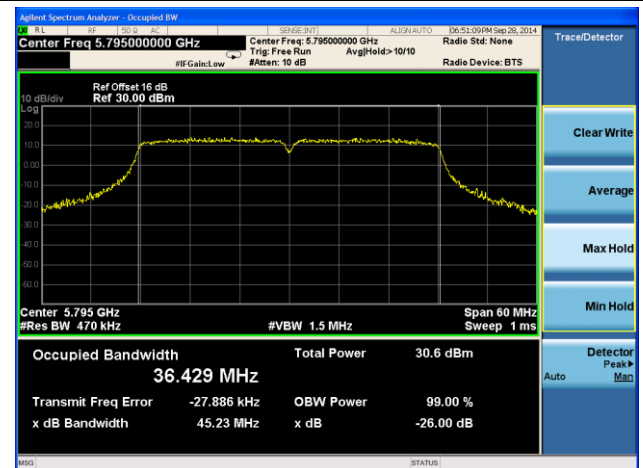
Channel 38 (5190MHz)

Channel 46 (5230MHz)

Channel 151 (5755 MHz)

Channel 159 (5795 MHz)

802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0
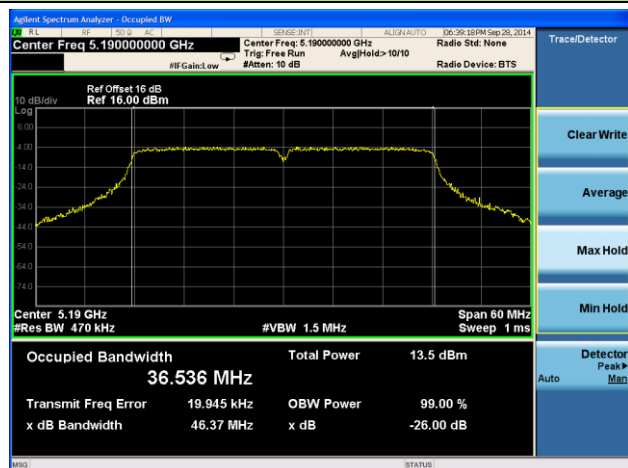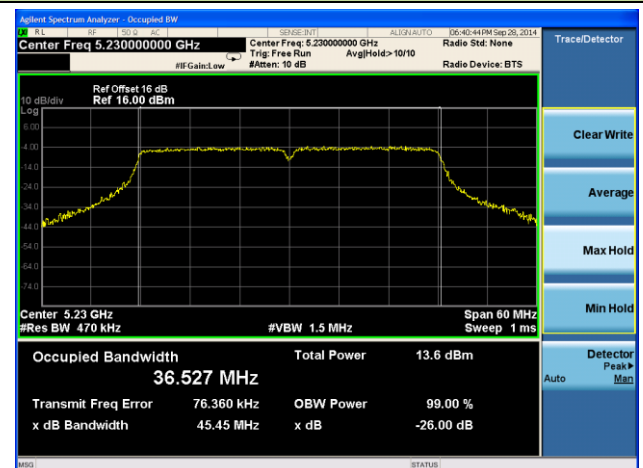
Channel 42 (5210MHz)
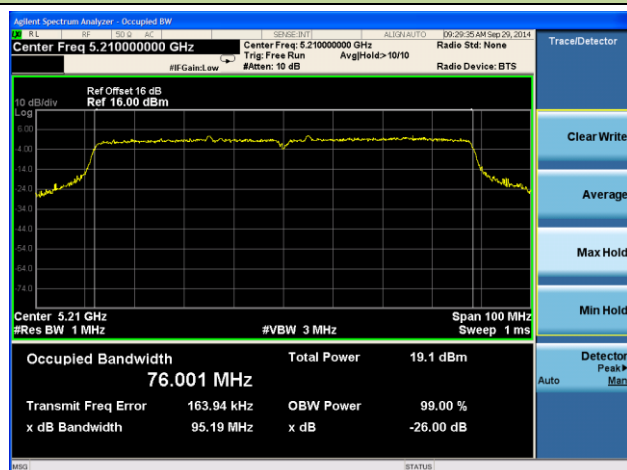
Channel 155 (5775MHz)
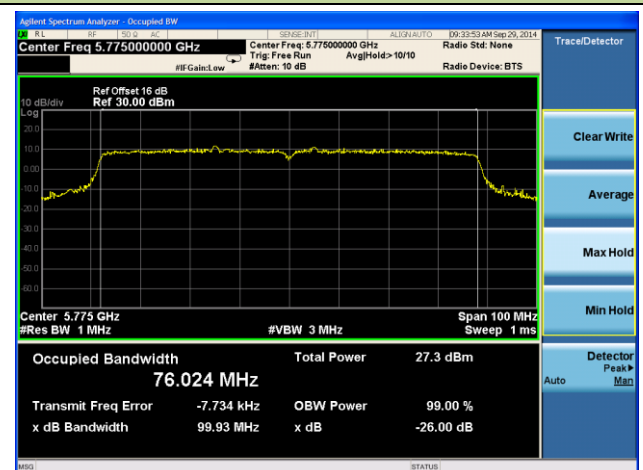
802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 1

Channel 42 (5210MHz)	Channel 155 (5775MHz)

Channel 42 (5210MHz)

Occupied Bandwidth: **76.100 MHz**
Total Power: 18.6 dBm

Transmit Freq Error: 178.87 kHz
OBW Power: 99.00 %
x dB Bandwidth: 91.97 MHz
x dB: -26.00 dB

Channel 155 (5775MHz)

Occupied Bandwidth: **76.373 MHz**
Total Power: 26.8 dBm

Transmit Freq Error: -317.59 kHz
OBW Power: 99.00 %
x dB Bandwidth: 99.99 MHz
x dB: -26.00 dB
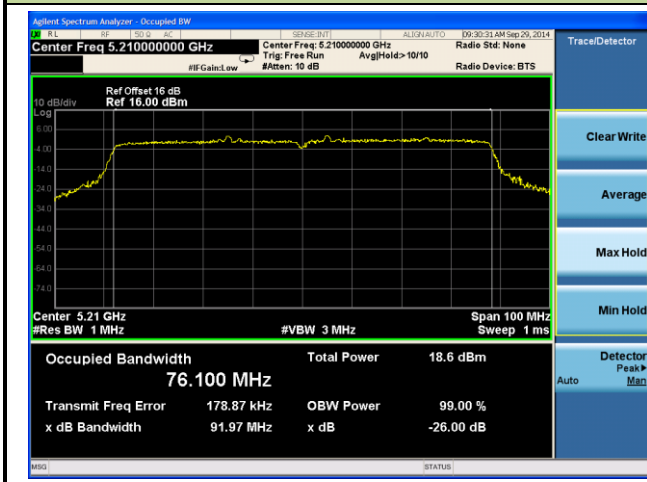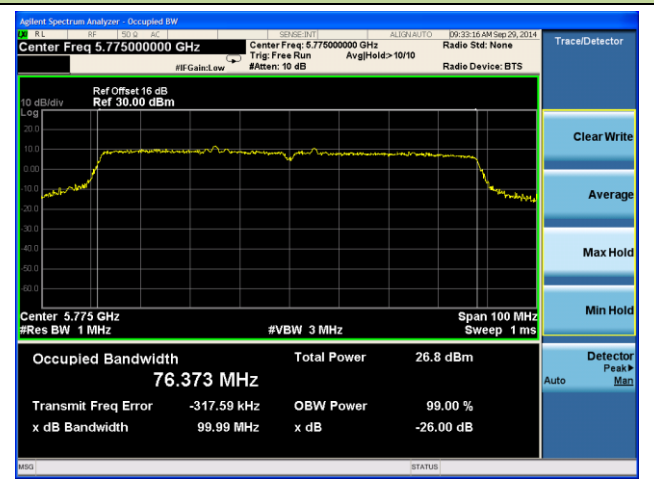
7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

7.3.2. Test Procedure used

KDB 789033 D02v01 – Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.

2. RBW = 100 kHz.

3. VBW $\geqq$ 3 × RBW.

4. Detector = Peak.

5. Trace mode = max hold.

6. Sweep = auto couple.

7. Allow the trace to stabilize.

8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. Test Setup
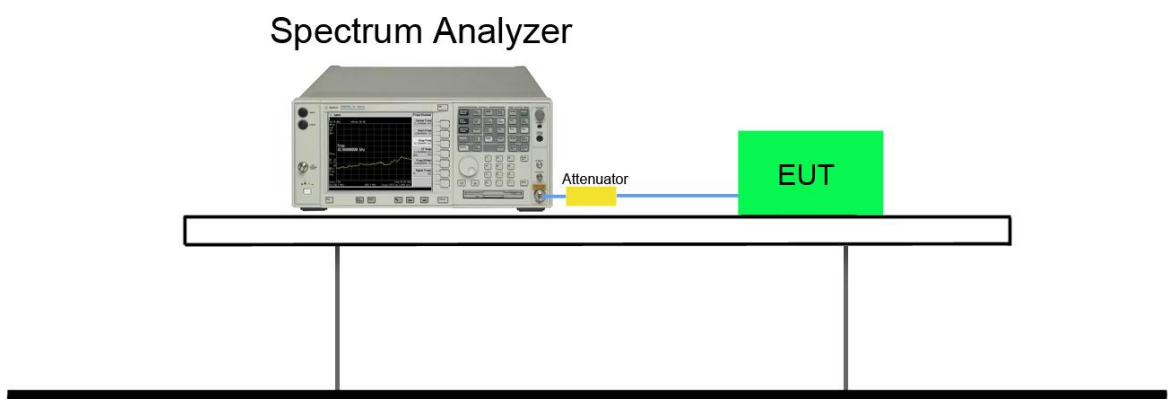
7.3.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6	149	5745	16.37	≥0.5	Pass
802.11a	6	157	5785	16.39	≥0.5	Pass
802.11a	6	165	5825	16.37	≥0.5	Pass
802.11n-HT20	13	149	5745	17.59	≥0.5	Pass
802.11n-HT20	13	157	5785	17.59	≥0.5	Pass
802.11n-HT20	13	165	5825	17.60	≥0.5	Pass
802.11ac-VHT20	13	149	5745	17.61	≥0.5	Pass
802.11ac-VHT20	13	157	5785	17.58	≥0.5	Pass
802.11ac-VHT20	13	165	5825	17.60	≥0.5	Pass
802.11n-HT40	27	151	5755	36.32	≥0.5	Pass
802.11n-HT40	27	159	5795	35.92	≥0.5	Pass
802.11ac-VHT40	27	151	5755	35.98	≥0.5	Pass
802.11ac-VHT40	27	159	5795	36.10	≥0.5	Pass
802.11ac-VHT80	27	155	5775	73.18	≥0.5	Pass
Ant 1						
802.11a	6	149	5745	16.43	≥0.5	Pass
802.11a	6	157	5785	16.41	≥0.5	Pass
802.11a	6	165	5825	16.38	≥0.5	Pass
802.11n-HT20	13	149	5745	17.64	≥0.5	Pass
802.11n-HT20	13	157	5785	17.60	≥0.5	Pass
802.11n-HT20	13	165	5825	17.60	≥0.5	Pass
802.11ac-VHT20	13	149	5745	17.63	≥0.5	Pass
802.11ac-VHT20	13	157	5785	17.63	≥0.5	Pass
802.11ac-VHT20	13	165	5825	17.61	≥0.5	Pass
802.11n-HT40	27	151	5755	36.34	≥0.5	Pass
802.11n-HT40	27	159	5795	36.11	≥0.5	Pass
802.11ac-VHT40	27	151	5755	36.15	≥0.5	Pass
802.11ac-VHT40	27	159	5795	36.32	≥0.5	Pass
802.11ac-VHT80	27	155	5775	72.97	≥0.5	Pass
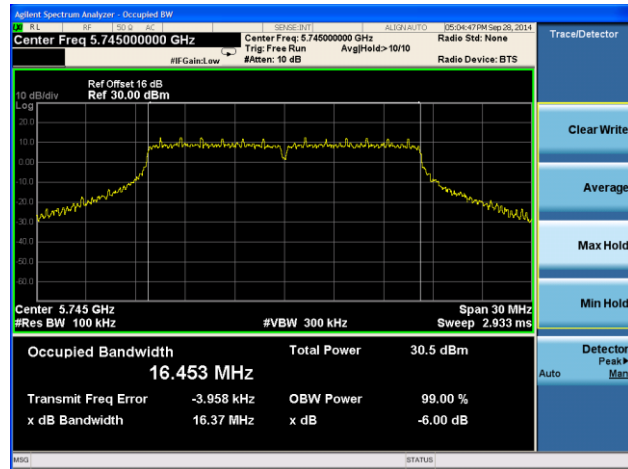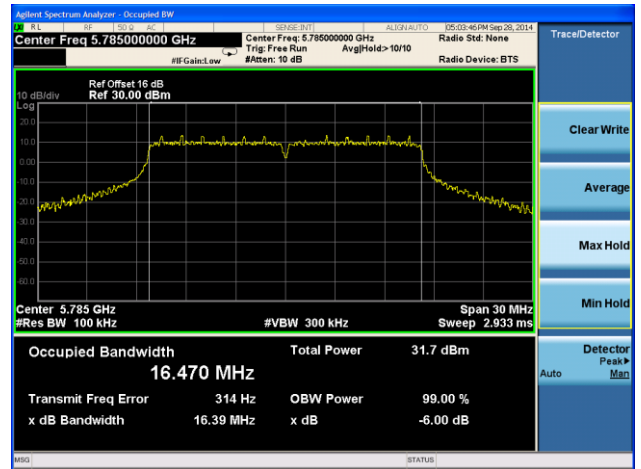
802.11a 6dB Bandwidth - Ant 0	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
Channel 165 (5825MHz)	

802.11a 6dB Bandwidth - Ant 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**

Channel 165 (5825MHz)	
Occupied Bandwidth 16.519 MHz, Total Power 33.0 dBm, Transmit Freq Error -1.911 kHz, OBW Power 99.00 %, x dB Bandwidth 16.38 MHz, x dB -6.00 dB	

802.11n-HT20 6dB Bandwidth - Ant 0

Channel 149 (5745MHz)	Channel 157 (5785MHz)
Occupied Bandwidth 17.649 MHz, Total Power 31.3 dBm, Transmit Freq Error -5.470 kHz, OBW Power 99.00 %, x dB Bandwidth 17.59 MHz, x dB -6.00 dB	Occupied Bandwidth 17.652 MHz, Total Power 31.9 dBm, Transmit Freq Error 1.593 kHz, OBW Power 99.00 %, x dB Bandwidth 17.59 MHz, x dB -6.00 dB

Channel 165 (5825MHz)	
Occupied Bandwidth 17.659 MHz, Total Power 31.2 dBm, Transmit Freq Error 1.565 kHz, OBW Power 99.00 %, x dB Bandwidth 17.60 MHz, x dB -6.00 dB	

802.11n-HT20 6dB Bandwidth - Ant 1

Channel 149 (5745MHz)

Occupied Bandwidth	Total Power	30.6 dBm
17.674 MHz		
Transmit Freq Error	3.862 kHz	OBW Power	99.00 %
x dB Bandwidth	17.64 MHz	x dB	-6.00 dB

Channel 157 (5785MHz)

Occupied Bandwidth	Total Power	32.7 dBm
17.710 MHz		
Transmit Freq Error	660 Hz	OBW Power	99.00 %
x dB Bandwidth	17.60 MHz	x dB	-6.00 dB

Channel 165 (5825MHz)

Occupied Bandwidth	Total Power	33.1 dBm
17.693 MHz		
Transmit Freq Error	-1.308 kHz	OBW Power	99.00 %
x dB Bandwidth	17.60 MHz	x dB	-6.00 dB

802.11ac-VHT20 6dB Bandwidth - Ant 0

Channel 149 (5745MHz)

Occupied Bandwidth	Total Power	29.9 dBm
17.650 MHz		
Transmit Freq Error	-6.928 kHz	OBW Power	99.00 %
x dB Bandwidth	17.61 MHz	x dB	-6.00 dB

Channel 157 (5785MHz)

Occupied Bandwidth	Total Power	31.7 dBm
17.659 MHz		
Transmit Freq Error	64 Hz	OBW Power	99.00 %
x dB Bandwidth	17.58 MHz	x dB	-6.00 dB

Channel 165 (5825MHz)	
Agilent Spectrum Analyzer - Occupied BW Center Freq 5.825000000 GHz #IF Gain:Low Ref Offset 16 dB Ref 30.00 dBm 10 dB/div Center 5.825 GHz — Span 30 MHz #Res BW 100 kHz — #VBW 300 kHz — Sweep 2.933 ms Occupied Bandwidth — Total Power — 31.4 dBm 17.664 MHz Transmit Freq Error — 732 Hz — OBW Power — 99.00 % x dB Bandwidth — 17.60 MHz — x dB — -6.00 dB	

802.11ac-VHT20 6dB Bandwidth - Ant 1	

Channel 149 (5745MHz)	Channel 157 (5785MHz)
Agilent Spectrum Analyzer - Occupied BW Center Freq 5.745000000 GHz #IF Gain:Low Ref Offset 16 dB Ref 30.00 dBm 10 dB/div Center 5.745 GHz — Span 30 MHz #Res BW 100 kHz — #VBW 300 kHz — Sweep 2.933 ms Occupied Bandwidth — Total Power — 30.2 dBm 17.673 MHz Transmit Freq Error — 10.491 kHz — OBW Power — 99.00 % x dB Bandwidth — 17.63 MHz — x dB — -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.785000000 GHz #IF Gain:Low Ref Offset 16 dB Ref 30.00 dBm 10 dB/div Center 5.785 GHz — Span 30 MHz #Res BW 100 kHz — #VBW 300 kHz — Sweep 2.933 ms Occupied Bandwidth — Total Power — 32.5 dBm 17.697 MHz Transmit Freq Error — 7.131 kHz — OBW Power — 99.00 % x dB Bandwidth — 17.63 MHz — x dB — -6.00 dB

Channel 165 (5825MHz)	
Agilent Spectrum Analyzer - Occupied BW Center Freq 5.825000000 GHz #IF Gain:Low Ref Offset 16 dB Ref 30.00 dBm 10 dB/div Center 5.825 GHz — Span 30 MHz #Res BW 100 kHz — #VBW 300 kHz — Sweep 2.933 ms Occupied Bandwidth — Total Power — 32.2 dBm 17.667 MHz Transmit Freq Error — -3.546 kHz — OBW Power — 99.00 % x dB Bandwidth — 17.61 MHz — x dB — -6.00 dB	

802.11n-HT40 6dB Bandwidth - Ant 0

Channel 151 (5755MHz)	Channel 159 (5795MHz)

Channel 151 (5755MHz):
- Occupied Bandwidth: 36.117 MHz
- Total Power: 29.6 dBm
- Transmit Freq Error: -30.022 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 36.32 MHz
- x dB: -6.00 dB

Channel 159 (5795MHz):
- Occupied Bandwidth: 36.099 MHz
- Total Power: 30.9 dBm
- Transmit Freq Error: -19.012 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 35.92 MHz
- x dB: -6.00 dB

802.11n-HT40 6dB Bandwidth - Ant 1

Channel 151 (5755MHz)	Channel 159 (5795MHz)

Channel 151 (5755MHz):
- Occupied Bandwidth: 36.118 MHz
- Total Power: 30.2 dBm
- Transmit Freq Error: 22.473 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 36.34 MHz
- x dB: -6.00 dB

Channel 159 (5795MHz):
- Occupied Bandwidth: 36.155 MHz
- Total Power: 31.9 dBm
- Transmit Freq Error: 18.821 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 36.11 MHz
- x dB: -6.00 dB

802.11ac-VHT40 6dB Bandwidth - Ant 0

Channel 151 (5755MHz)	Channel 159 (5795MHz)

Channel 151 (5755MHz):
- Occupied Bandwidth: 36.143 MHz
- Total Power: 29.0 dBm
- Transmit Freq Error: -34.690 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 35.98 MHz
- x dB: -6.00 dB

Channel 159 (5795MHz):
- Occupied Bandwidth: 36.118 MHz
- Total Power: 30.3 dBm
- Transmit Freq Error: -22.099 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 36.10 MHz
- x dB: -6.00 dB

802.11ac-VHT40 6dB Bandwidth - Ant 1

Channel 151 (5755MHz)	Channel 159 (5795MHz)

802.11ac-VHT80 6dB Bandwidth - Ant 0

Channel 155 (5775MHz)	
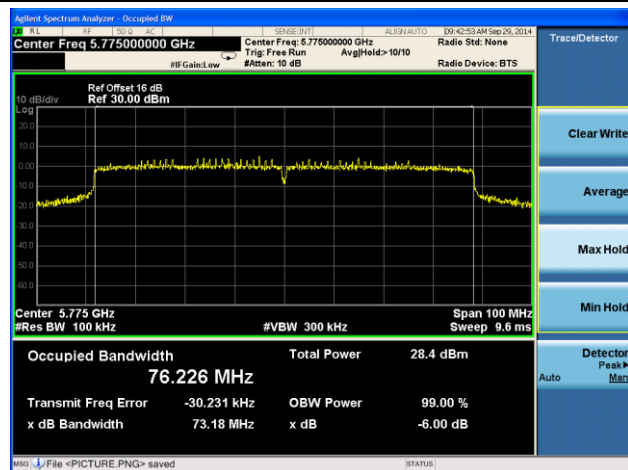
802.11ac-VHT80 6dB Bandwidth - Ant 1

Channel 155 (5775MHz)	
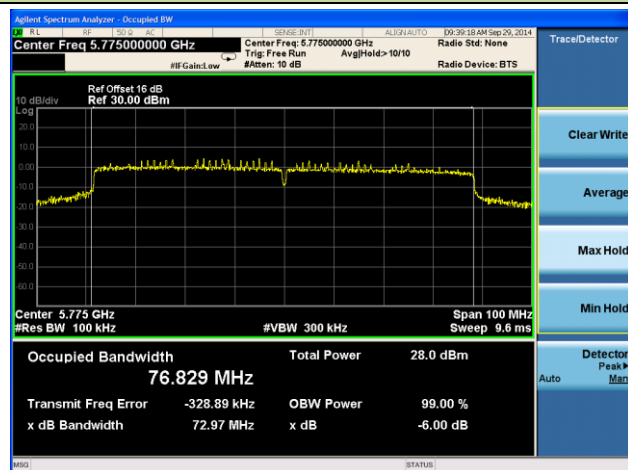
7.4. Output Power Measurement

7.4.1. Test Limit

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

5.15-5.25GHz: Limit (dBm) = 30dBm.

5.725-5.85GHz: Limit (dBm) = 30dBm.

7.4.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.4.3. Test Setting

Average power measurements were perform only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.4.4. Test Setup
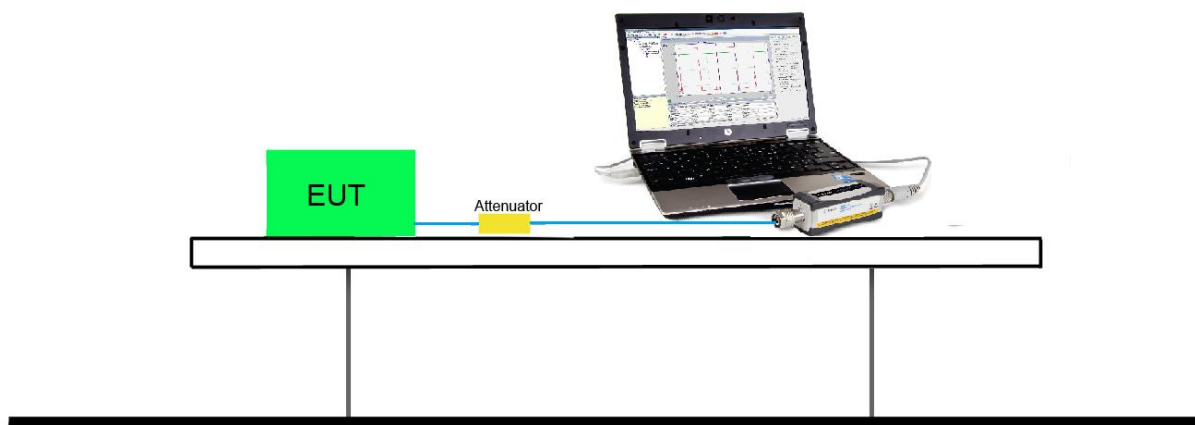
7.4.5. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

N_{Tx}	a	MCS Index for 802.11n	Data Rate (Mbps)			
			20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
1	6	0	6.5	7.2	13.5	15.0
1	9	1	13.0	14.4	27	30.0
1	12	2	19.5	21.7	40.5	45.0
1	18	3	26.0	28.9	54	60.0
1	24	4	39.0	43.3	81	90.0
1	36	5	52.0	57.8	108	120.0
1	48	6	58.5	65.0	121.5	135.0
1	54	7	65.0	72.2	135	150.0
2	---	8	13.0	14.4	27	30.0
2	---	9	26.0	28.9	54	60.0
2	---	10	39.0	43.3	81	90.0
2	---	11	52.0	57.8	108	120.0
2	---	12	78.0	86.7	162	180.0
2	---	13	104.0	115.6	216	240.0
2	---	14	117.0	130.0	243	270.0
2	---	15	130.0	144.4	270	300.0

MCS Index for 802.11ac	N_{Tx}	Data Rate (Mbps)					
		20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI	800ns GI	400ns GI
0	1	6.5	7.2	13.5	15.0	29.3	32.5
1	1	13.0	14.4	27.0	30.0	58.5	65.0
2	1	19.5	21.7	40.5	45.0	87.8	97.5
3	1	26.0	28.9	54.0	60.0	117.0	130.0
4	1	39.0	43.3	81.0	90.0	175.5	195
5	1	52.0	57.8	108.0	120.0	234.0	260.0
6	1	58.5	65.0	121.5	135.0	263.3	292.5
7	1	65.0	72.2	135.0	150.0	292.5	325
8	1	78.0	86.7	162.0	180.0	351.0	390.0
9	1	--	--	180.0	200.0	390.0	433.3
10	2	13.0	14.4	27.0	30.0	58.6	65.0
11	2	26.0	28.8	54.0	60.0	117.0	130.0
12	2	39.0	43.4	81.0	90.0	175.6	195.0
13	2	52.0	57.8	108.0	120.0	234.0	260.0
14	2	78.0	86.6	162.0	180.0	351.0	390.0
15	2	104.0	115.6	216.0	240.0	468.0	520.0
16	2	117.0	130.0	243.0	270.0	526.6	585.0
17	2	130.0	144.4	270.0	300.0	585.0	650.0
18	2	156.0	173.4	324.0	360.0	702.0	780.0
19	2	--	--	360.0	400.0	780.0	866.6

Output power at various data rates for Ant 0:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	RMS Power (dBm)
802.11a	20	44	5220	6	12.76
				24	12.28
				54	11.63
802.11n	20	44	5220	6.5	12.65
				39	12.04
				65	11.59
802.11ac	20	44	5220	6.5	12.67
				39	12.11
				78	11.87
802.11n	40	46	5230	13.5	12.15
				81	11.74
				135	11.03
802.11ac	40	46	5230	13.5	12.22
				81	11.54
				180	10.93
802.11ac	80	42	5210	29.3	11.97
				175.5	11.52
				390	10.87

Test Mode	N_{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	1	6	36	5180	12.30	12.08	---	30.00	Pass
11a	1	6	44	5220	12.76	12.00	---	30.00	Pass
11a	1	6	48	5240	12.72	12.32	---	30.00	Pass
11a	1	6	149	5745	25.16	24.52	---	30.00	Pass
11a	1	6	157	5785	28.98	28.81	---	30.00	Pass
11a	1	6	165	5825	26.21	25.82	---	30.00	Pass
11n-HT20	1	6.5	36	5180	12.26	12.02	---	30.00	Pass
11n-HT20	1	6.5	44	5220	12.65	12.17	---	30.00	Pass
11n-HT20	1	6.5	48	5240	12.71	12.94	---	30.00	Pass
11n-HT20	2	13	36	5180	11.20	11.04	14.13	30.00	Pass
11n-HT20	2	13	44	5220	11.13	11.07	14.11	30.00	Pass
11n-HT20	2	13	48	5240	11.58	11.37	14.49	30.00	Pass
11n-HT20	1	6.5	149	5745	25.47	24.56	---	30.00	Pass
11n-HT20	1	6.5	157	5785	28.94	28.81	---	30.00	Pass
11n-HT20	1	6.5	165	5825	25.64	25.51	---	30.00	Pass
11n-HT20	2	13	149	5745	25.56	25.47	28.53	30.00	Pass
11n-HT20	2	13	157	5785	26.13	26.11	29.13	30.00	Pass
11n-HT20	2	13	165	5825	25.83	25.64	28.75	30.00	Pass
11ac-VHT20	1	6.5	36	5180	12.36	12.48	---	30.00	Pass
11ac-VHT20	1	6.5	44	5220	12.67	12.64	---	30.00	Pass
11ac-VHT20	1	6.5	48	5240	12.70	12.91	---	30.00	Pass
11ac-VHT20	2	13	36	5180	11.33	11.05	14.20	30.00	Pass
11ac-VHT20	2	13	44	5220	11.12	11.11	14.13	30.00	Pass
11ac-VHT20	2	13	48	5240	12.14	11.93	15.05	30.00	Pass
11ac-VHT20	1	6.5	149	5745	25.47	24.82	---	30.00	Pass
11ac-VHT20	1	6.5	157	5785	28.92	28.86	---	30.00	Pass
11ac-VHT20	1	6.5	165	5825	25.59	24.84	---	30.00	Pass
11ac-VHT20	2	13	149	5745	25.18	25.14	28.17	30.00	Pass
11ac-VHT20	2	13	157	5785	26.05	26.01	29.04	30.00	Pass
11ac-VHT20	2	13	165	5825	25.35	25.19	28.28	30.00	Pass
11n-HT40	1	13.5	38	5190	12.11	12.06	---	30.00	Pass
11n-HT40	1	13.5	46	5230	12.45	12.28	---	30.00	Pass
11n-HT40	2	27	38	5190	10.93	11.08	14.02	30.00	Pass
11n-HT40	2	27	46	5230	10.77	11.10	13.95	30.00	Pass

11n-HT40	1	13.5	151	5755	24.59	24.40	---	30.00	Pass
11n-HT40	1	13.5	159	5795	26.35	26.03	---	30.00	Pass
11n-HT40	2	27	151	5755	25.73	25.78	28.77	30.00	Pass
11n-HT40	2	27	159	5795	26.03	25.99	29.02	30.00	Pass
11ac-VHT40	1	13.5	38	5190	11.83	12.05	---	30.00	Pass
11ac-VHT40	1	13.5	46	5230	12.22	12.10	---	30.00	Pass
11ac-VHT40	2	27	38	5190	10.96	10.64	13.81	30.00	Pass
11ac-VHT40	2	27	46	5230	10.83	10.65	13.75	30.00	Pass
11ac-VHT40	1	13.5	151	5755	24.42	24.81	---	30.00	Pass
11ac-VHT40	1	13.5	159	5795	25.24	25.85	---	30.00	Pass
11ac-VHT40	2	27	151	5755	25.94	25.62	28.79	30.00	Pass
11ac-VHT40	2	27	159	5795	25.99	26.01	29.01	30.00	Pass
11ac-VHT80	1	29.3	42	5210	11.97	11.53	---	30.00	Pass
11ac-VHT80	2	58.6	42	5210	10.74	10.27	13.52	30.00	Pass
11ac-VHT80	1	29.3	155	5775	24.09	24.03	---	30.00	Pass
11ac-VHT80	2	58.6	155	5775	25.85	25.62	28.75	30.00	Pass

Note: Total Average Power (dBm) = $10*\log\{10^{(Ant\ 0\ Average\ Power\ /10)}+10^{(Ant\ 1\ Average\ Power\ /10)}\}$.

7.5. Power Spectral Density Measurement

7.5.1. Test Limit

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.15-5.25 GHz: Limit (dBm/MHz) = 17dBm/MHz.

5.725-5.85 GHz Limit (dBm/500kHz) = 30dBm/500kHz.

7.5.2. Test Procedure Used

KDB 789033 D02v01 - Section F

7.5.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation

2. Span was set to encompass the entire 26dB EBW of the signal.

3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 100 kHz

4. VBW = 3MHz

5. Number of sweep points ≥ 2 × (span / RBW)

6. Detector = power averaging (RMS)

7. Sweep time = auto

8. Trigger = free run

9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.

10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor 10*log(500kHz/100kHz) = 6.99 dB to the measured result

7.5.4. Test Setup

Spectrum Analyzer

Attenuator

EUT
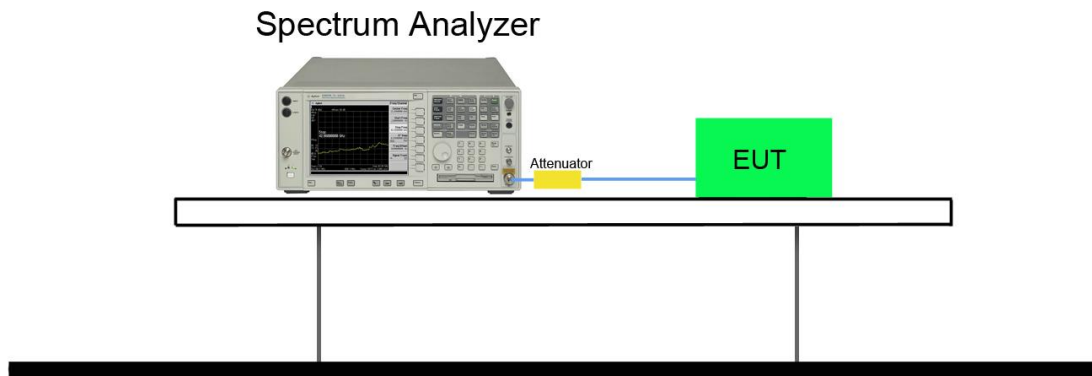
7.5.5. Test Result

Test Mode	N$_{Tx}$	Data Rate (Mbps)	Channel No.	Freq. (MHz)	10*log (1/X)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Total PSD (dBm)	Limit (dBm /MHz)	Result
11a	1	6	36	5180	0.146	-2.259	-3.760	--	17	Pass
11a	1	6	44	5220	0.146	-1.775	-3.803	--	17	Pass
11a	1	6	48	5240	0.146	-1.413	-3.296	--	17	Pass
11n-HT20	1	6.5	36	5180	0.159	-1.830	-3.160	--	17	Pass
11n-HT20	1	6.5	44	5220	0.159	-1.691	-3.242	--	17	Pass
11n-HT20	1	6.5	48	5240	0.159	-0.516	-2.841	--	17	Pass
11n-HT20	2	13	36	5180	0.159	-2.646	-3.635	-0.102	17	Pass
11n-HT20	2	13	44	5220	0.159	-1.924	-2.574	0.774	17	Pass
11n-HT20	2	13	48	5240	0.159	-2.698	-2.848	0.238	17	Pass
11ac-VHT20	1	6.5	36	5180	0.191	-1.749	-3.275	--	17	Pass
11ac-VHT20	1	6.5	44	5220	0.191	-1.713	-4.331	--	17	Pass
11ac-VHT20	1	6.5	48	5240	0.191	-1.122	-4.343	--	17	Pass
11ac-VHT20	2	13	36	5180	0.191	-2.595	-5.922	-0.937	17	Pass
11ac-VHT20	2	13	44	5220	0.191	-2.302	-2.751	0.489	17	Pass
11ac-VHT20	2	13	48	5240	0.191	-1.613	-1.557	1.425	17	Pass
11n-HT40	1	13.5	38	5190	0.521	-5.311	-8.315	--	17	Pass
11n-HT40	1	13.5	46	5230	0.521	-4.865	-9.079	--	17	Pass
11n-HT40	2	27	38	5190	0.521	-6.008	-6.789	-3.371	17	Pass
11n-HT40	2	27	46	5230	0.521	-5.960	-6.792	-3.346	17	Pass
11ac-VHT40	1	13.5	38	5190	0.535	-5.394	-6.392	--	17	Pass
11ac-VHT40	1	13.5	46	5230	0.535	-4.911	-5.649	--	17	Pass
11ac-VHT40	2	27	38	5190	0.535	-6.126	-6.235	-3.169	17	Pass
11ac-VHT40	2	27	46	5230	0.535	-6.145	-5.794	-2.955	17	Pass
11ac-VHT80	1	29.3	42	5210	0.778	-6.980	-7.008	--	17	Pass
11ac-VHT80	2	58.6	42	5210	0.778	-7.560	-7.148	-4.339	17	Pass

Note: Total PSD Level = Reading level + 10*log (1/Duty Cycle).

Total PSD Level = $10*\log\{10^{(Ant\ 0\ PSD/10)}+10^{(Ant\ 1\ PSD/10)}\}$.

Test Mode	N_{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	10*log (1/X)	Constant Factor	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Total PSD (dBm)	Limit (dBm/ 500kHz)	Result
11a	1	6	149	5745	0.146	6.99	9.603	8.449	--	30	Pass
11a	1	6	157	5785	0.146	6.99	11.291	10.889	--	30	Pass
11a	1	6	165	5825	0.146	6.99	10.837	10.753	--	30	Pass
11n-HT20	1	6.5	149	5745	0.159	6.99	9.490	8.339	--	30	Pass
11n-HT20	1	6.5	157	5785	0.159	6.99	10.754	10.576	--	30	Pass
11n-HT20	1	6.5	165	5825	0.159	6.99	9.487	11.017	--	30	Pass
11n-HT20	2	13	149	5745	0.159	6.99	9.361	10.799	13.150	30	Pass
11n-HT20	2	13	157	5785	0.159	6.99	10.105	11.413	13.819	30	Pass
11n-HT20	2	13	165	5825	0.159	6.99	8.855	11.798	13.582	30	Pass
11ac-VHT20	1	6.5	149	5745	0.191	6.99	9.903	8.686	--	30	Pass
11ac-VHT20	1	6.5	157	5785	0.191	6.99	10.999	10.217	--	30	Pass
11ac-VHT20	1	6.5	165	5825	0.191	6.99	10.088	10.243	--	30	Pass
11ac-VHT20	2	13	149	5745	0.191	6.99	9.391	10.472	12.975	30	Pass
11ac-VHT20	2	13	157	5785	0.191	6.99	9.874	12.325	14.280	30	Pass
11ac-VHT20	2	13	165	5825	0.191	6.99	8.968	12.742	14.263	30	Pass
11n-HT40	1	13.5	151	5755	0.521	6.99	5.965	5.177	--	30	Pass
11n-HT40	1	13.5	159	5795	0.521	6.99	6.371	7.568	--	30	Pass
11n-HT40	2	27	151	5755	0.521	6.99	8.067	9.405	11.797	30	Pass
11n-HT40	2	27	159	5795	0.521	6.99	7.137	9.239	11.324	30	Pass
11ac-VHT40	1	13.5	151	5755	0.535	6.99	5.203	6.993	--	30	Pass
11ac-VHT40	1	13.5	159	5795	0.535	6.99	6.017	8.124	--	30	Pass
11ac-VHT40	2	27	151	5755	0.535	6.99	5.828	6.615	9.250	30	Pass
11ac-VHT40	2	27	159	5795	0.535	6.99	6.726	6.356	9.556	30	Pass
11ac-VHT80	1	29.3	155	5775	0.778	6.99	2.587	3.174	--	30	Pass
11ac-VHT80	2	58.6	155	5775	0.778	6.99	2.554	2.547	5.561	30	Pass

Note: PSD Level = Reading level + Constant Factor + 10*log (1/Duty Cycle).

Total PSD Level = $10*log\{10^{(Ant\ 0\ PSD/10)}+10^{(Ant\ 1\ PSD/10)}\}$ + Constant Factor.

802.11a Power Spectral Density - Ant 0
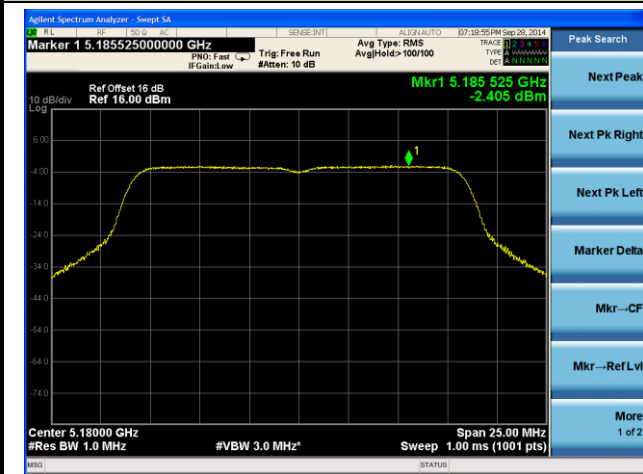
Channel 36 (5180MHz)
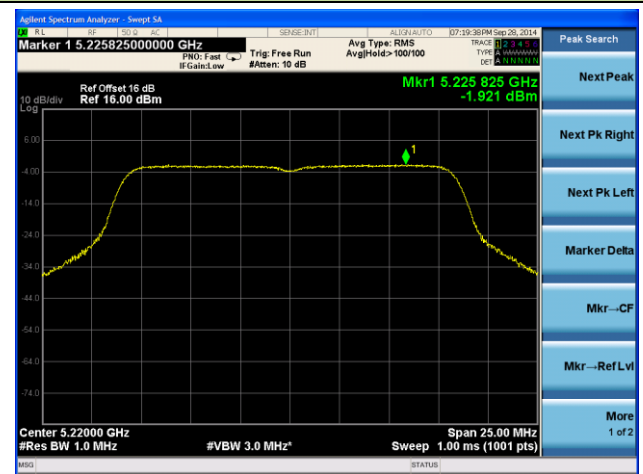
Channel 44 (5220MHz)
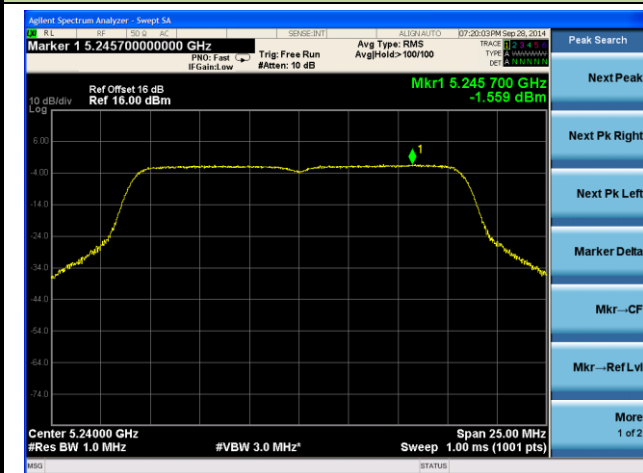
Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11a Power Spectral Density - Ant 1

Channel 36 (5180MHz)

Channel 44 (5220MHz)

Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11n-HT20 Power Spectral Density - Ant 0

Channel 36 (5180MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.185150000000 GHz
Mkr1 5.185 150 GHz
-1.989 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.1800 GHz   Span 25.00 MHz
#Res BW 1.0 MHz   #VBW 3.0 MHz*   Sweep 1.00 ms (1001 pts)

Channel 44 (5220MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.2251750000000 GHz
Mkr1 5.225 175 GHz
-1.850 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.22000 GHz   Span 25.00 MHz
#Res BW 1.0 MHz   #VBW 3.0 MHz*   Sweep 1.00 ms (1001 pts)

Channel 48 (5240MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.244800000000 GHz
Mkr1 5.244 800 GHz
-0.675 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.24000 GHz   Span 25.00 MHz
#Res BW 1.0 MHz   #VBW 3.0 MHz*   Sweep 1.00 ms (1001 pts)

Channel 149 (5745MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.747500000000 GHz
Mkr1 5.747 500 GHz
2.341 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.74500 GHz   Span 25.00 MHz
#Res BW 100 kHz   #VBW 300 kHz*   Sweep 3.13 ms (1001 pts)

Channel 157 (5785MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.792500000000 GHz
Mkr1 5.792 500 GHz
3.605 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.78500 GHz   Span 25.00 MHz
#Res BW 100 kHz   #VBW 300 kHz*   Sweep 3.13 ms (1001 pts)

Channel 165 (5825MHz)

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.821875000000 GHz
Mkr1 5.821 875 GHz
2.338 dBm
Ref Offset 16 dB
Ref 16.00 dBm
Center 5.82500 GHz   Span 25.00 MHz
#Res BW 100 kHz   #VBW 300 kHz*   Sweep 3.13 ms (1001 pts)

802.11n-HT20 Power Spectral Density - Ant 1

Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 48 (5240MHz)	Channel 149 (5745MHz)

Channel 157 (5785MHz)	Channel 165 (5825MHz)

802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1

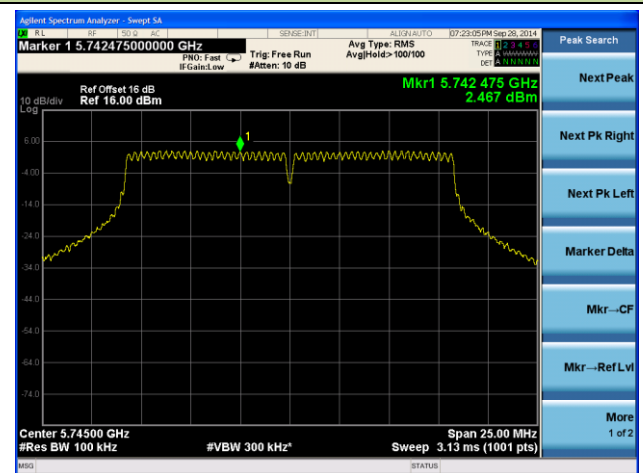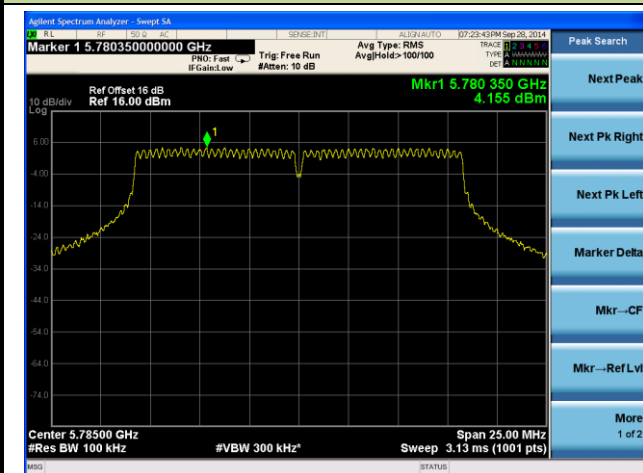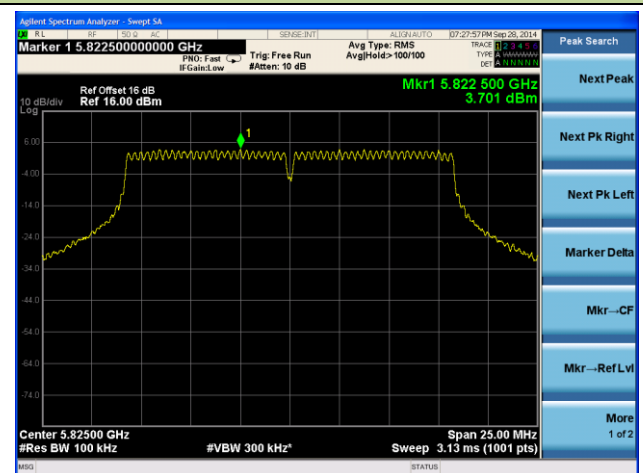### Channel 36 (5180MHz)

Channel 44 (5220MHz)

Channel 48 (5240MHz)

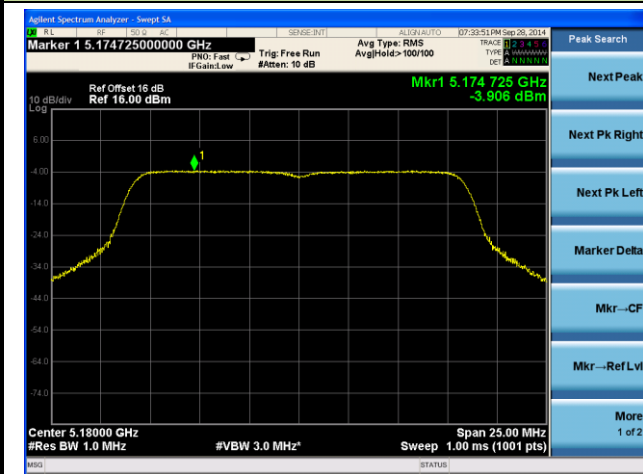### Channel 149 (5745MHz)

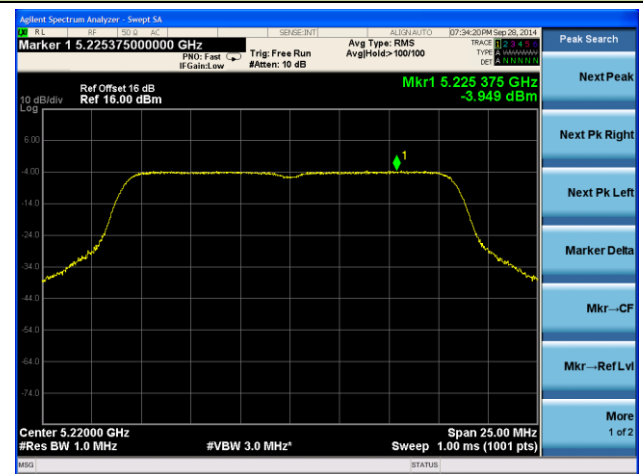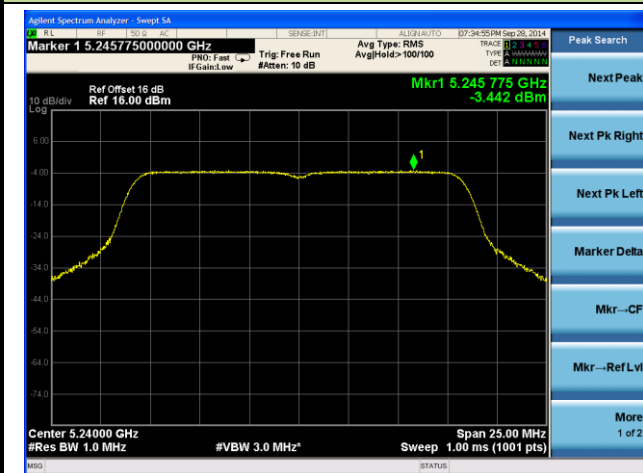### Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 48 (5240MHz)	Channel 149 (5745MHz)

Channel 157 (5785MHz)	Channel 165 (5825MHz)

802.11ac-VHT20 Power Spectral Density - Ant 0

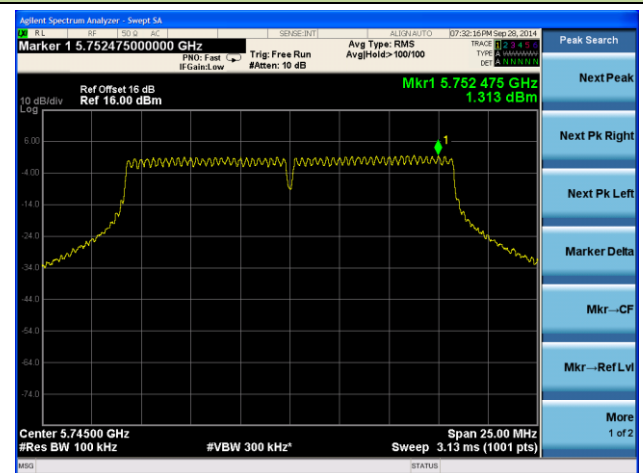### Channel 36 (5180MHz)

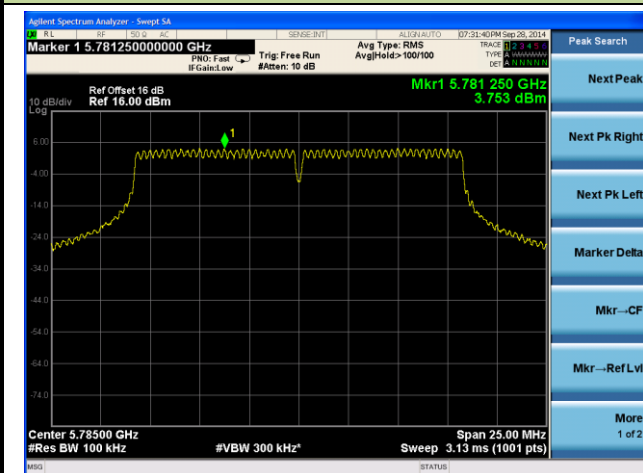### Channel 44 (5220MHz)

Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11ac-VHT20 Power Spectral Density - Ant 1

Channel 36 (5180MHz)

Channel 44 (5220MHz)

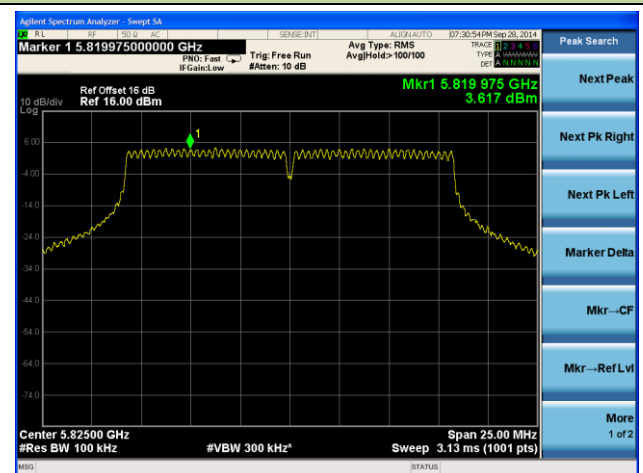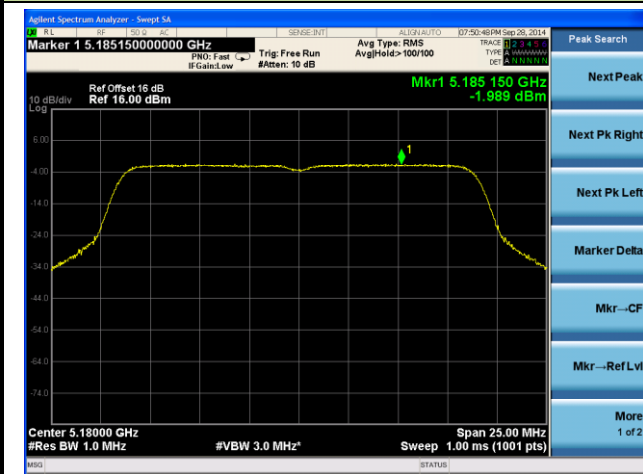### Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 36 (5180MHz)

Channel 44 (5220MHz)

Channel 48 (5240MHz)

Channel 149 (5745MHz)

Channel 157 (5785MHz)

Channel 165 (5825MHz)

802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 48 (5240MHz)	Channel 149 (5745MHz)

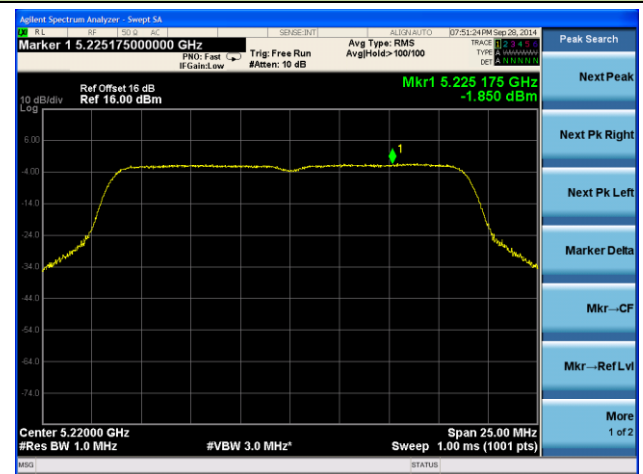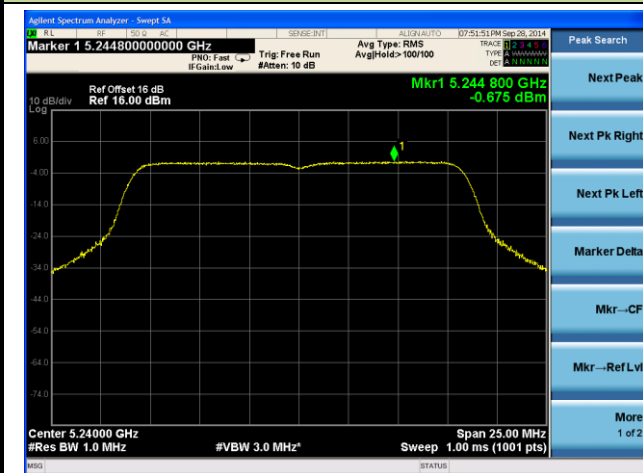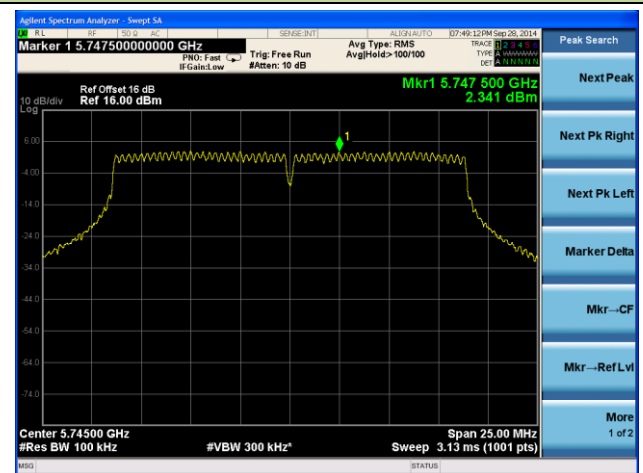| Channel 157 (5785MHz)	Channel 165 (5825MHz)

802.11n-HT40 Power Spectral Density - Ant 0

Channel 38 (5190MHz)	Channel 46 (5230MHz)

Channel 151 (5755MHz)	Channel 159 (5795MHz)

802.11n-HT40 Power Spectral Density - Ant 1

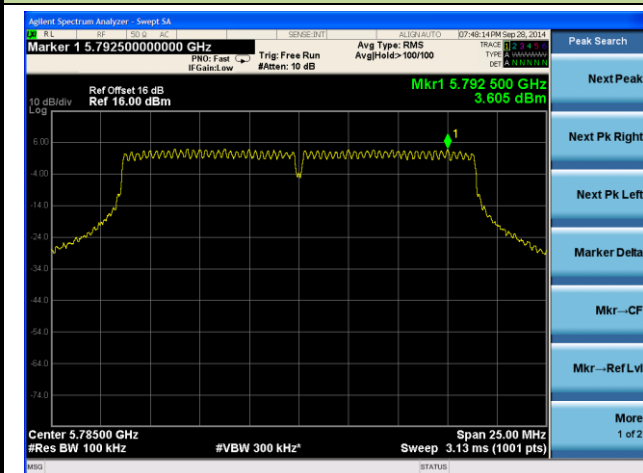| Channel 38 (5190MHz)	Channel 46 (5230MHz)

Channel 151 (5755 MHz)

Channel 159 (5795 MHz)

802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0+1

Channel 38 (5190MHz)

Channel 46 (5230MHz)

Channel 151 (5755MHz)

Channel 159 (5795MHz)

802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0+1

Channel 38 (5190MHz)

Channel 46 (5230MHz)

Channel 151 (5755 MHz)

Channel 159 (5795 MHz)

802.11ac-VHT40 Power Spectral Density - Ant 0

Channel 38 (5190MHz)

Channel 46 (5230MHz)

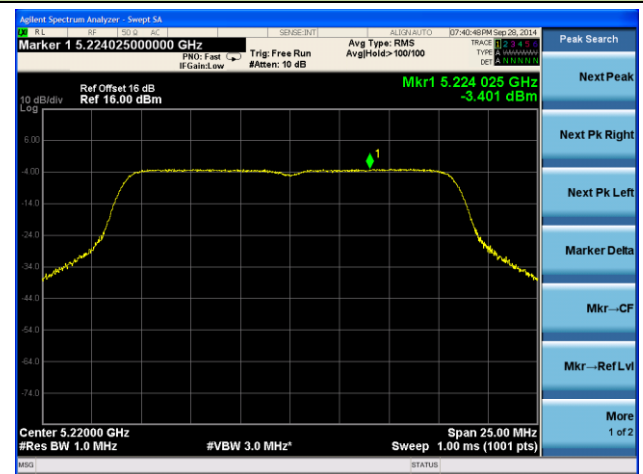| Channel 151 (5755MHz)	Channel 159 (5795MHz)

802.11ac-VHT40 Power Spectral Density - Ant 1

Channel 38 (5190MHz)	Channel 46 (5230MHz)

Channel 151 (5755 MHz)	Channel 159 (5795 MHz)

802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0+1

Channel 38 (5190MHz)

Channel 46 (5230MHz)

Channel 151 (5755MHz)

Channel 159 (5795MHz)

802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0+1

Channel 38 (5190MHz)

Channel 46 (5230MHz)

(cleared)

802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0+1	
Channel 42 (5210MHz)	Channel 155 (5775MHz)

802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0+1	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
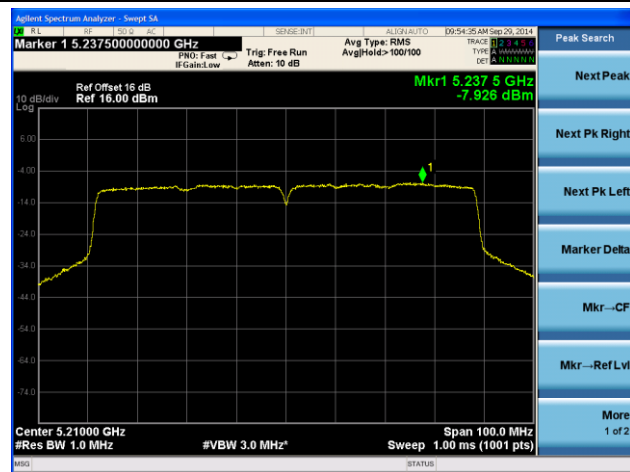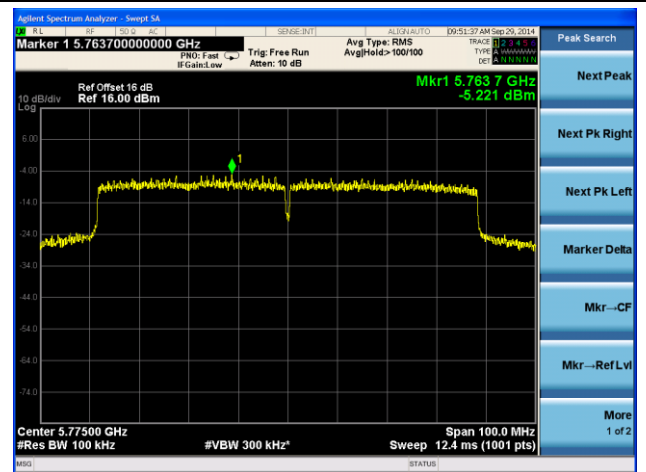
7.6. Frequency Stability Measurement

7.6.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.6.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

7.6.3. Test Setup
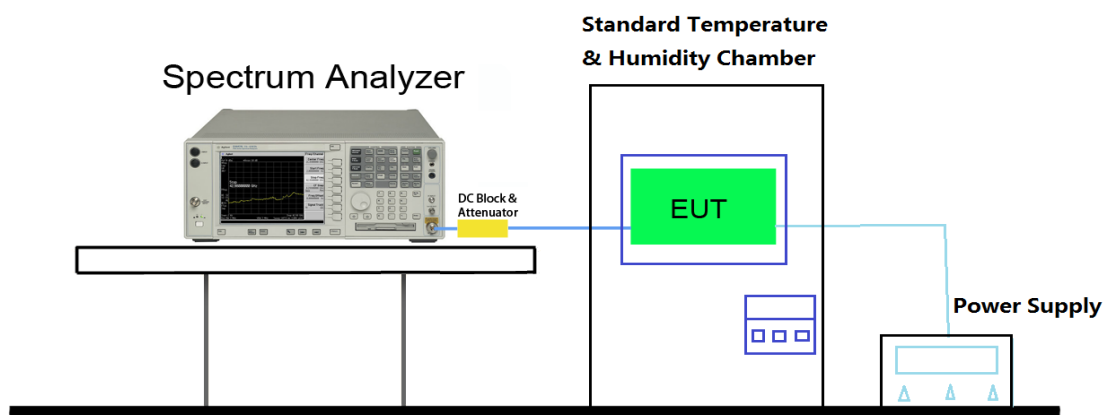
7.6.4. Test Result

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5220019987.053	19987.053	0.000383
			5784998129.676	-1870.324	-0.000032
		- 30	5220042516.578	42516.578	0.000814
			5785032755.439	32755.439	0.000566
		- 20	5220040402.431	40402.431	0.000774
			5785017426.815	17426.815	0.000301
		- 10	5220041571.188	41571.188	0.000796
			5785042851.920	42851.920	0.000741
		0	5220017250.488	17250.488	0.000330
			5785044289.640	44289.640	0.000766
		+ 10	5220017406.500	17406.500	0.000333
			5785002853.337	2853.337	0.000049
		+ 20	5220035486.420	35486.420	0.000680
			5784997798.902	-2201.098	-0.000038
		+ 30	5219990111.201	-9888.799	-0.000189
			5785021560.261	21560.261	0.000373
		+ 40	5220006802.956	6802.956	0.000130
			5784998357.554	-1642.446	-0.000028
		+ 50	5219997278.429	-2721.571	-0.000052
			5784994465.408	-5534.592	-0.000096
115%	138	+ 20	5220009730.503	9730.503	0.000186
			5784992960.095	-7039.905	-0.000122
85%	102	+ 20	5220005070.134	5070.134	0.000097
			5784992224.332	-7775.668	-0.000134

7.7. Radiated Spurious Emission Measurement

7.7.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

KDB 789033 D02v01 – Section G

7.7.3. Test Setting

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = 120 kHz

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = power average (RMS)

5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)

6. Sweep time = auto

7. Trace was averaged over at 100 sweeps

7.7.4. Test Setup

9kHz ~ 30MHz Test Setup:

30MHz ~ 1GHz Test Setup:

1 ~ 4 m

(Antenna Tower)

Antenna

EUT

0.8 m

(Turntable)

3 m

Test Receiver

1GHz ~18GHz Test Setup:

1 ~ 4 m

(Antenna Tower)

Antenna

EUT

0.8 m

(Turntable)

3 m

Spectrum Analyzer

Pre-Amplifier

18GHz ~40GHz Test Setup:

(Antenna Tower)

Antenna

Spectrum Analyzer

Pre-Amplifier

EUT

0.8 m

(Turntable)

1 m
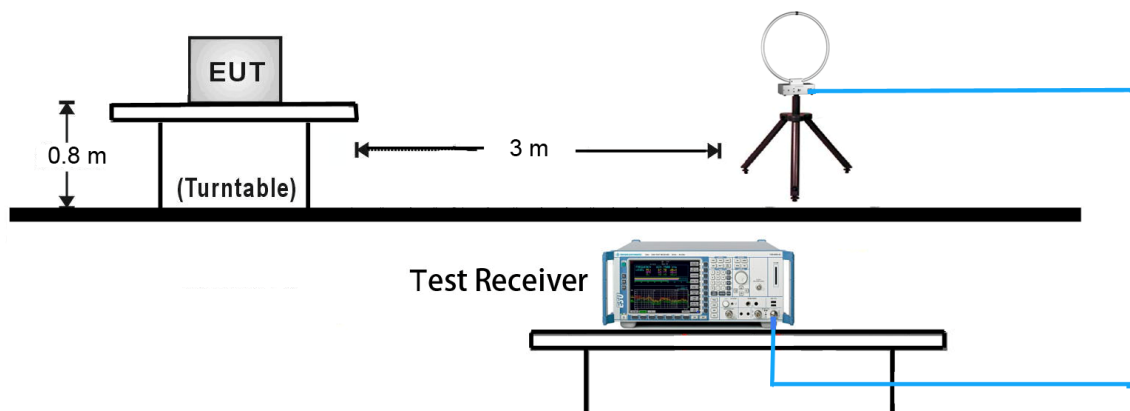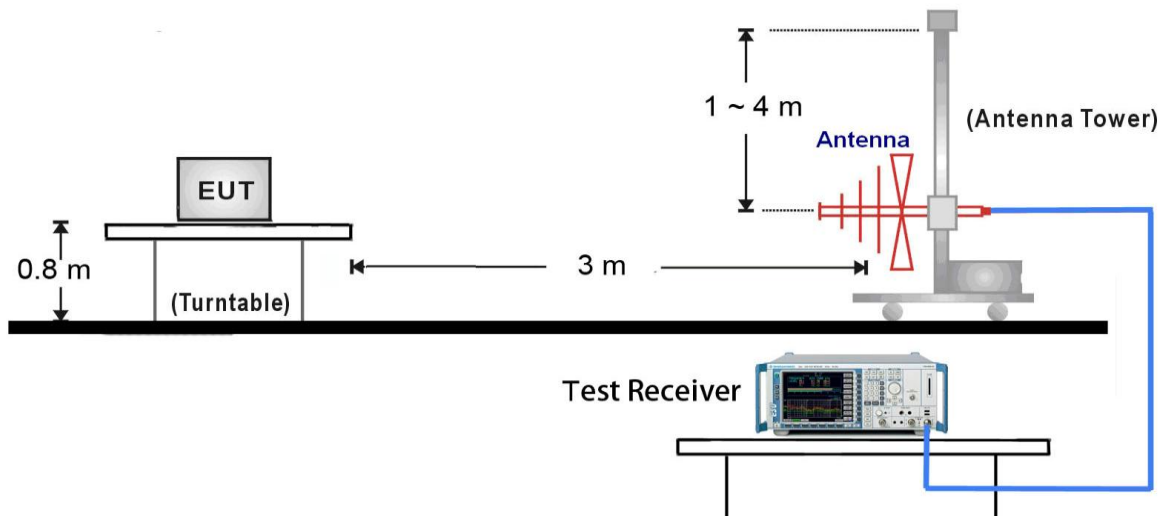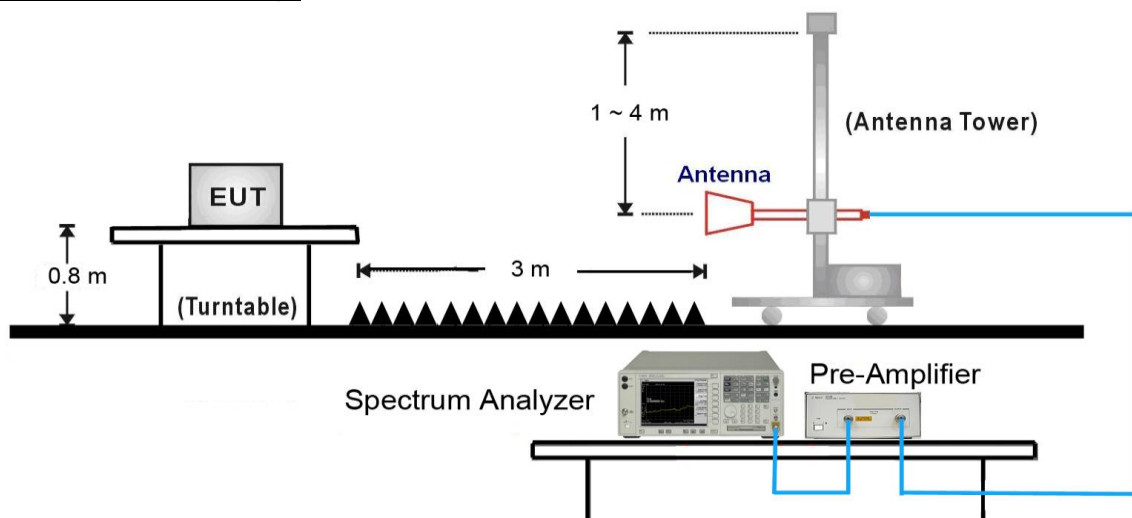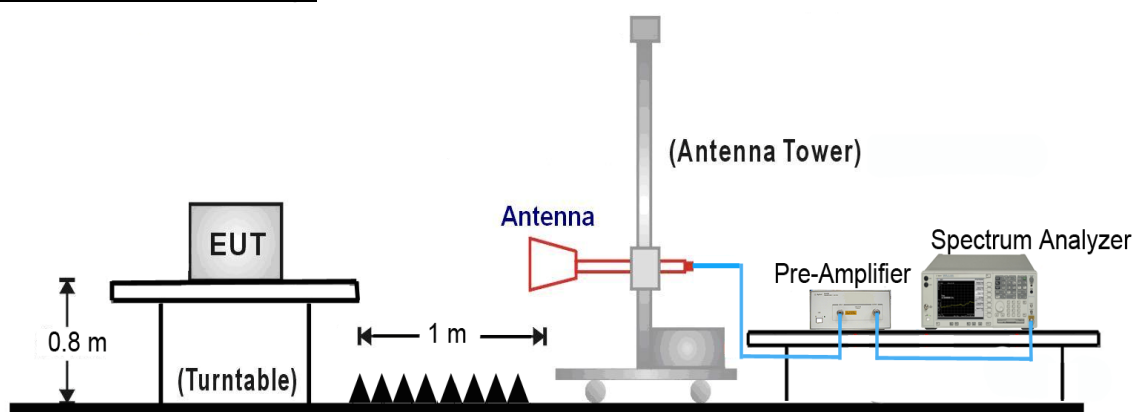
7.7.5. Test Result

Test by Panel Antenna – 25dBi

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.4	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
*	8562.7	34.4	14.4	48.8	88.2	-39.4	Peak	Horizontal
	9143.7	37.1	15.2	52.3	74.0	-21.7	Peak	Horizontal
	9472.5	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
*	7762.4	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
*	8593.7	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9143.5	36.7	15.2	51.9	74.0	-22.1	Peak	Vertical
	9483.2	35.3	15.4	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7752.6	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
*	8642.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9146.4	35.7	15.3	51.0	74.0	-23.0	Peak	Horizontal
	9472.5	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7845.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8925.4	35.3	14.3	49.6	88.2	-38.6	Peak	Vertical
	9172.4	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9412.4	34.0	15.5	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7756.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
*	8563.1	33.8	14.4	48.2	88.2	-40.0	Peak	Horizontal
	9123.5	34.8	14.9	49.7	74.0	-24.3	Peak	Horizontal
	9425.4	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7752.4	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
*	8423.7	35.0	14.6	49.6	88.2	-38.6	Peak	Vertical
	9152.4	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9473.4	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7812.4	33.9	15.0	48.9	88.2	-39.3	Peak	Horizontal
*	8426.4	34.8	14.6	49.4	88.2	-38.8	Peak	Horizontal
	9143.7	35.6	15.2	50.8	74.0	-23.2	Peak	Horizontal
	9485.4	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7582.4	35.5	14.7	50.2	88.2	-38.0	Peak	Vertical
*	8464.7	35.1	14.6	49.7	88.2	-38.5	Peak	Vertical
	9125.4	34.9	14.9	49.8	74.0	-24.2	Peak	Vertical
	9436.5	34.6	15.5	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7756.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
*	8623.7	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9145.4	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9452.4	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7892.7	34.3	15.0	49.3	88.2	-38.9	Peak	Vertical
*	8533.5	33.5	14.6	48.1	88.2	-40.1	Peak	Vertical
	9172.4	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	9412.5	34.0	15.5	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7762.4	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
*	8621.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9144.5	35.2	15.2	50.4	74.0	-23.6	Peak	Horizontal
	9425.7	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7762.4	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
*	8572.4	34.5	14.5	49.0	88.2	-39.2	Peak	Vertical
	9172.4	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical
	9425.4	34.3	15.5	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.4	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
*	8472.4	33.9	14.6	48.5	88.2	-39.7	Peak	Horizontal
	9142.6	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
	9436.3	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7759.4	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
*	8653.4	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9172.4	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9424.4	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7823.7	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
*	8592.4	33.2	14.8	48.0	88.2	-40.2	Peak	Horizontal
	9123.7	34.3	14.9	49.2	74.0	-24.8	Peak	Horizontal
	9436.4	34.4	15.5	49.9	74.0	-24.1	Peak	Horizontal
*	7765.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
*	8564.4	33.4	14.4	47.8	88.2	-40.4	Peak	Vertical
	9192.5	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
	9483.5	35.4	15.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.4	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8563.3	33.7	14.4	48.1	88.2	-40.1	Peak	Horizontal
	9152.4	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9483.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7753.4	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
*	8563.2	33.2	14.4	47.6	88.2	-40.6	Peak	Vertical
	9153.7	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9425.3	34.1	15.5	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7842.4	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
*	8563.7	34.6	14.4	49.0	88.2	-39.2	Peak	Horizontal
	9142.3	34.2	15.2	49.4	74.0	-24.6	Peak	Horizontal
	9414.4	35.1	15.5	50.6	74.0	-23.4	Peak	Horizontal
*	7756.3	35.1	14.8	49.9	88.2	-38.3	Peak	Vertical
*	8563.3	33.5	14.4	47.9	88.2	-40.3	Peak	Vertical
	9140.5	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
	9486.4	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.7	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
*	8563.7	33.8	14.4	48.2	88.2	-40.0	Peak	Horizontal
	9147.6	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9489.4	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7756.4	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
*	8473.6	33.7	14.6	48.3	88.2	-39.9	Peak	Vertical
	9147.4	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.4	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7856.6	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
*	8596.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9143.7	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9473.7	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7856.4	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
*	8652.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9152.3	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9473.4	35.0	15.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7761.4	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
*	8625.4	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9154.2	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9436.7	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
*	7842.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8607.4	32.7	14.9	47.6	88.2	-40.6	Peak	Vertical
	9142.4	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9473.7	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7846.4	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8689.4	34.5	14.8	49.3	88.2	-38.9	Peak	Horizontal
	9143.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9473.9	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	7765.5	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
*	8647.7	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9142.8	36.0	15.2	51.2	74.0	-22.8	Peak	Vertical
	9458.6	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7789.6	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8674.2	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9147.4	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9425.9	34.2	15.5	49.7	74.0	-24.3	Peak	Horizontal
*	7768.2	34.0	14.9	48.9	88.2	-39.3	Peak	Vertical
*	8647.1	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9145.9	35.7	15.2	50.9	74.0	-23.1	Peak	Vertical
	9425.7	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.0	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8624.0	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9143.9	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9471.0	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7836.9	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
*	8692.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9146.4	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9478.6	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7846.4	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8653.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9173.6	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9483.7	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7762.7	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
*	8672.5	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9147.9	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9472.6	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7756.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
*	8647.1	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9147.8	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9472.4	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7845.2	32.7	15.1	47.8	88.2	-40.4	Peak	Vertical
*	8625.3	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9172.2	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9470.6	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7847.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8697.6	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9147.8	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7648.2	35.2	14.6	49.8	88.2	-38.4	Peak	Vertical
*	8698.2	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9120.3	34.1	14.9	49.0	74.0	-25.0	Peak	Vertical
	9410.4	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7814.0	33.0	15.0	48.0	88.2	-40.2	Peak	Horizontal
*	8653.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9126.4	34.2	15.0	49.2	74.0	-24.8	Peak	Horizontal
	9425.3	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7814.0	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
*	8653.3	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
	9148.7	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	9436.9	33.5	15.5	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.0	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
*	8659.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9147.8	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9425.2	34.0	15.5	49.5	74.0	-24.5	Peak	Horizontal
*	7814.2	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
*	8671.9	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9156.9	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9402.0	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8635.2	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9123.4	35.5	14.9	50.4	74.0	-23.6	Peak	Horizontal
	9473.2	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7814.2	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8654.0	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9147.3	35.6	15.3	50.9	74.0	-23.1	Peak	Vertical
	9423.5	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7854.8	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
*	8691.4	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9142.0	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9482.2	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7841.0	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8871.0	35.7	14.3	50.0	88.2	-38.2	Peak	Vertical
	9171.1	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9473.2	35.0	15.4	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7911.4	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8694.3	34.8	14.8	49.6	88.2	-38.6	Peak	Horizontal
	9153.2	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9471.0	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7914.3	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
*	8635.3	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
	9126.3	34.7	15.0	49.7	74.0	-24.3	Peak	Vertical
	9408.5	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7781.3	32.9	14.9	47.8	88.2	-40.4	Peak	Horizontal
*	8632.0	32.6	14.8	47.4	88.2	-40.8	Peak	Horizontal
	9159.0	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9437.9	34.2	15.5	49.7	74.0	-24.3	Peak	Horizontal
*	7814.6	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
*	8679.2	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9142.0	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9436.3	33.6	15.5	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	6912.4	35.0	12.0	47.0	88.2	-41.2	Peak	Horizontal
*	7957.9	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8679.6	34.2	14.8	49.0	74.0	-25.0	Peak	Horizontal
	9402.3	33.8	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8623.3	32.9	14.8	47.7	88.2	-40.5	Peak	Vertical
	9152.3	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9426.4	33.8	15.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7768.6	33.8	14.9	48.7	88.2	-39.5	Peak	Horizontal
*	8658.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9142.0	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9450.4	33.3	15.5	48.8	74.0	-25.2	Peak	Horizontal
*	7857.4	33.9	15.1	49.0	88.2	-39.2	Peak	Vertical
*	8693.2	34.1	14.8	48.9	88.2	-39.3	Peak	Vertical
	9172.0	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9461.3	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7803.4	34.3	15.0	49.3	88.2	-38.9	Peak	Horizontal
*	8623.1	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9126.4	35.0	15.0	50.0	74.0	-24.0	Peak	Horizontal
	9462.3	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7812.0	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
*	8623.2	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Vertical
	9401.4	33.6	15.4	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7865.6	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8695.5	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9123.0	34.4	14.9	49.3	74.0	-24.7	Peak	Horizontal
	9482.3	34.0	15.4	49.4	74.0	-24.6	Peak	Horizontal
*	7826.3	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
*	8659.3	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
	9124.0	34.8	14.9	49.7	74.0	-24.3	Peak	Vertical
	9413.1	34.6	15.5	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7863.2	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8672.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9173.3	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.3	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7853.2	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8653.9	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9125.3	33.4	14.9	48.3	74.0	-25.7	Peak	Vertical
	9472.0	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7910.2	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8675.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9125.0	34.9	14.9	49.8	74.0	-24.2	Peak	Horizontal
	9452.3	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7814.0	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
*	8659.0	35.2	14.8	50.0	88.2	-38.2	Peak	Vertical
	9165.2	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9425.3	33.8	15.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7824.2	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8672.3	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
	9425.6	33.7	15.5	49.2	74.0	-24.8	Peak	Horizontal
*	7862.3	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
*	8653.6	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9164.3	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9453.8	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8652.0	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9123.0	34.6	14.9	49.5	74.0	-24.5	Peak	Horizontal
	9421.2	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7841.2	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
*	8632.3	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Vertical
	9421.0	35.3	15.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7832.1	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8623.3	32.6	14.8	47.4	88.2	-40.8	Peak	Horizontal
	9126.2	35.7	15.0	50.7	74.0	-23.3	Peak	Horizontal
	9426.5	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7852.2	32.7	15.1	47.8	88.2	-40.4	Peak	Vertical
*	8652.0	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9152.2	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.3	36.1	15.4	51.5	74.0	-22.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.2	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8625.4	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9142.2	34.4	15.2	49.6	74.0	-24.4	Peak	Horizontal
	9424.4	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7824.2	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8653.7	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9152.2	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9452.5	33.5	15.5	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8672.2	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9142.2	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9463.2	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7931.3	34.0	15.1	49.1	88.2	-39.1	Peak	Vertical
*	8674.2	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9142.0	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9423.3	34.3	15.5	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7832.5	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8692.2	35.1	14.8	49.9	88.2	-38.3	Peak	Horizontal
	9153.2	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9420.3	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7825.4	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8352.3	35.1	14.4	49.5	88.2	-38.7	Peak	Vertical
	9142.2	35.5	15.2	50.7	74.0	-23.3	Peak	Vertical
	9436.2	33.2	15.5	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7853.3	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
*	8632.2	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9142.4	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9425.2	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7841.2	33.0	15.1	48.1	88.2	-40.1	Peak	Vertical
*	8674.1	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9147.3	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9473.7	34.9	15.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8657.2	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9147.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9473.7	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7847.7	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
*	8693.3	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9153.3	33.5	15.3	48.8	74.0	-25.2	Peak	Vertical
	9476.3	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7869.3	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8674.3	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9156.4	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
	9473.2	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7814.2	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
*	8692.3	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9143.3	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9473.6	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7864.6	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8636.1	33.0	14.8	47.8	88.2	-40.4	Peak	Horizontal
	9147.9	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9486.4	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7842.3	33.0	15.1	48.1	88.2	-40.1	Peak	Vertical
*	8694.5	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9175.8	36.0	15.3	51.3	74.0	-22.7	Peak	Vertical
	9473.7	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7894.6	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8673.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9146.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9423.9	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7857.7	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
*	8672.4	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9142.4	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9426.5	33.2	15.5	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7836.7	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8645.3	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9145.4	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
	9425.7	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7824.2	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
*	8647.5	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9147.2	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7845.6	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8628.0	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9142.7	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9435.7	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7849.7	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8671.2	34.4	14.8	49.2	88.2	-39.0	Peak	Vertical
	9142.3	34.6	15.2	49.8	74.0	-24.2	Peak	Vertical
	9471.5	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7846.7	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8674.1	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9147.1	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9473.9	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7894.2	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	8659.7	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9173.7	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9471.0	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7849.7	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8679.9	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9169.0	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
	9487.7	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7868.6	32.7	15.0	47.7	88.2	-40.5	Peak	Vertical
*	8674.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9126.5	34.4	15.0	49.4	74.0	-24.6	Peak	Vertical
	9473.7	33.6	15.4	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.7	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8677.0	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9147.8	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.6	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7865.7	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
*	8671.5	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9156.7	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9471.3	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7847.8	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8678.5	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9147.7	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9472.7	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7795.7	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
*	8679.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9178.5	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical
	9479.8	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7897.8	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8698.6	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9156.7	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
	9473.7	33.5	15.4	48.9	74.0	-25.1	Peak	Horizontal
*	7836.9	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8636.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9176.6	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9468.5	33.7	15.4	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7874.9	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
*	8693.9	35.2	14.8	50.0	88.2	-38.2	Peak	Horizontal
	9176.4	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9476.9	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7875.0	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
*	8693.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9148.0	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9486.4	34.9	15.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7848.7	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
*	8673.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9146.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9473.7	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7983.5	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
*	8679.6	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9147.3	35.6	15.3	50.9	74.0	-23.1	Peak	Vertical
	9473.7	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7823.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8656.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9163.5	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9476.5	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7856.3	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8656.4	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9153.7	33.8	15.3	49.1	74.0	-24.9	Peak	Vertical
	9483.5	33.9	15.4	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7854.9	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
*	8658.0	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9154.4	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
	9487.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7846.6	32.3	15.1	47.4	88.2	-40.8	Peak	Vertical
*	8673.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9143.7	34.4	15.2	49.6	74.0	-24.4	Peak	Vertical
	9473.7	33.6	15.4	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7894.6	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	8693.5	35.1	14.8	49.9	88.2	-38.3	Peak	Horizontal
	9146.7	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9478.6	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7857.5	33.9	15.1	49.0	88.2	-39.2	Peak	Vertical
*	8672.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9147.4	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9476.8	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7846.6	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8694.7	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9148.7	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9473.5	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7892.5	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
*	8694.3	34.4	14.8	49.2	88.2	-39.0	Peak	Vertical
	9147.4	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical
	9478.7	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7953.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8692.7	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9163.5	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9486.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7947.5	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8692.5	34.1	14.8	48.9	88.2	-39.3	Peak	Vertical
	9156.2	34.0	15.3	49.3	74.0	-24.7	Peak	Vertical
	9476.5	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7895.7	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8626.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9147.7	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
	9473.7	33.7	15.4	49.1	74.0	-24.9	Peak	Horizontal
*	7892.0	32.6	15.0	47.6	88.2	-40.6	Peak	Vertical
*	8672.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9165.7	34.1	15.3	49.4	74.0	-24.6	Peak	Vertical
	9478.5	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7894.5	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8657.7	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9168.5	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
	9473.7	34.1	15.4	49.5	74.0	-24.5	Peak	Horizontal
*	7947.2	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
*	8693.5	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9168.7	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9487.6	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7894.4	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	8695.6	34.2	14.8	49.0	88.2	-39.2	Peak	Horizontal
	9156.5	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.7	33.9	15.4	49.3	74.0	-24.7	Peak	Horizontal
*	7865.7	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	8697.6	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9176.7	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9473.7	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7849.9	32.4	15.1	47.5	88.2	-40.7	Peak	Horizontal
*	8697.7	34.7	14.8	49.5	88.2	-38.7	Peak	Horizontal
	9146.6	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7924.1	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8672.7	33.7	14.8	48.5	88.2	-39.7	Peak	Vertical
	9146.5	33.8	15.3	49.1	74.0	-24.9	Peak	Vertical
	9468.7	33.8	15.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7857.7	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
*	8692.3	34.8	14.8	49.6	88.2	-38.6	Peak	Horizontal
	9165.3	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9478.6	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7946.5	32.5	15.1	47.6	88.2	-40.6	Peak	Vertical
*	8646.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9165.4	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9473.8	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.2	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
*	8695.5	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9143.7	34.1	15.2	49.3	74.0	-24.7	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7947.5	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8659.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9143.7	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7947.7	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8636.5	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9144.5	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9435.1	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7842.7	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8656.3	34.7	14.8	49.5	88.2	-38.7	Peak	Vertical
	9143.5	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9436.8	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7868.7	32.8	15.0	47.8	88.2	-40.4	Peak	Horizontal
*	8695.7	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9143.5	34.3	15.2	49.5	74.0	-24.5	Peak	Horizontal
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7958.7	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
*	8693.5	33.2	14.8	48.0	88.2	-40.2	Peak	Vertical
	9157.0	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9486.8	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7957.7	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
*	8972.5	34.7	14.4	49.1	88.2	-39.1	Peak	Horizontal
	9147.7	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9474.0	33.9	15.4	49.3	74.0	-24.7	Peak	Horizontal
*	7982.5	33.8	15.0	48.8	88.2	-39.4	Peak	Vertical
*	8897.5	35.9	14.4	50.3	88.2	-37.9	Peak	Vertical
	9153.8	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical
	9476.8	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7892.5	32.9	15.0	47.9	88.2	-40.3	Peak	Horizontal
*	8847.2	34.7	14.2	48.9	88.2	-39.3	Peak	Horizontal
	9143.6	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9476.8	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7841.6	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8879.7	33.8	14.4	48.2	88.2	-40.0	Peak	Vertical
	9165.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9473.3	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7856.4	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
*	8625.7	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9143.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9435.7	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7894.6	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8956.4	34.5	14.3	48.8	88.2	-39.4	Peak	Vertical
	9163.6	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9476.4	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7893.7	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
*	8659.4	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9165.4	35.8	15.3	51.1	74.0	-22.9	Peak	Horizontal
	9473.5	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7684.5	34.4	14.6	49.0	88.2	-39.2	Peak	Vertical
*	8695.4	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9153.7	34.4	15.3	49.7	74.0	-24.3	Peak	Vertical
	9473.5	33.8	15.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7815.7	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8694.5	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9168.7	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
	9473.5	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7947.1	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
*	8654.0	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9168.7	34.2	15.3	49.5	74.0	-24.5	Peak	Vertical
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7956.6	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
*	8675.6	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9168.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9473.6	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7952.4	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8694.3	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9143.5	35.5	15.2	50.7	74.0	-23.3	Peak	Vertical
	9473.9	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7983.2	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
*	8648.2	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9156.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9485.8	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7958.7	33.7	15.0	48.7	88.2	-39.5	Peak	Vertical
*	8869.4	35.4	14.3	49.7	88.2	-38.5	Peak	Vertical
	9158.7	34.0	15.3	49.3	74.0	-24.7	Peak	Vertical
	9476.5	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7753.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
*	8697.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9173.5	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
	9478.6	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7985.7	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8641.6	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
	9143.4	34.2	15.2	49.4	74.0	-24.6	Peak	Vertical
	9483.7	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7561.7	34.0	14.7	48.7	88.2	-39.5	Peak	Horizontal
*	8876.7	35.9	14.3	50.2	88.2	-38.0	Peak	Horizontal
	9153.6	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.5	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7769.6	33.1	14.9	48.0	88.2	-40.2	Peak	Vertical
*	8873.3	34.8	14.3	49.1	88.2	-39.1	Peak	Vertical
	9143.7	34.8	15.2	50.0	74.0	-24.0	Peak	Vertical
	9473.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7768.1	33.2	14.9	48.1	88.2	-40.1	Peak	Horizontal
*	8749.3	34.9	14.6	49.5	88.2	-38.7	Peak	Horizontal
	9154.6	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
	9435.7	33.5	15.5	49.0	74.0	-25.0	Peak	Horizontal
*	7815.7	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
*	8653.5	33.7	14.8	48.5	88.2	-39.7	Peak	Vertical
	9166.9	34.1	15.3	49.4	74.0	-24.6	Peak	Vertical
	9487.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7935.6	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
*	8635.2	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9153.7	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9436.5	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7956.4	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8695.7	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9157.8	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9476.8	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0+1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7846.6	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8648.7	32.8	14.8	47.6	88.2	-40.6	Peak	Horizontal
	9157.7	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9473.7	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7814.7	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
*	8698.2	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9165.7	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9473.5	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0+1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7815.6	34.5	15.0	49.5	88.2	-38.7	Peak	Horizontal
*	8845.7	35.9	14.2	50.1	88.2	-38.1	Peak	Horizontal
	9143.5	36.1	15.2	51.3	74.0	-22.7	Peak	Horizontal
	9476.7	35.1	15.4	50.5	74.0	-23.5	Peak	Horizontal
*	7956.4	34.3	15.1	49.4	88.2	-38.8	Peak	Vertical
*	8671.5	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9146.3	34.4	15.3	49.7	74.0	-24.3	Peak	Vertical
	9473.8	35.7	15.4	51.1	74.0	-22.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test by Dipole Antenna - 2dBi

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7013.5	35.0	12.8	47.8	88.2	-40.4	Peak	Horizontal
*	7834.1	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
	8317.5	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9166.0	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7021.0	35.2	12.9	48.1	88.2	-40.1	Peak	Vertical
*	7773.3	32.5	14.9	47.4	88.2	-40.8	Peak	Vertical
	8429.6	33.2	14.6	47.8	74.0	-26.2	Peak	Vertical
	9101.3	32.8	14.6	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7003.9	34.4	12.8	47.2	88.2	-41.0	Peak	Horizontal
*	8011.7	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
	8429.6	33.8	14.6	48.4	74.0	-25.6	Peak	Horizontal
	9193.7	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
*	7864.3	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
*	8639.2	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9126.9	34.3	15.0	49.3	74.0	-24.7	Peak	Vertical
	9381.2	33.1	15.3	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7924.9	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
*	8722.3	34.3	14.7	49.0	88.2	-39.2	Peak	Horizontal
	9145.9	34.7	15.2	49.9	74.0	-24.1	Peak	Horizontal
	9464.4	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7926.9	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8766.2	33.2	14.6	47.8	88.2	-40.4	Peak	Vertical
	9164.9	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9468.8	34.3	15.4	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7106.3	35.0	13.4	48.4	88.2	-39.8	Peak	Horizontal
*	7963.8	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
	9198.7	35.7	15.2	50.9	74.0	-23.1	Peak	Horizontal
	9441.6	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7031.8	35.0	13.0	48.0	88.2	-40.2	Peak	Vertical
*	7887.7	34.3	15.0	49.3	88.2	-38.9	Peak	Vertical
	8468.5	34.4	14.6	49.0	74.0	-25.0	Peak	Vertical
	9177.9	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7054.6	34.9	13.1	48.0	88.2	-40.2	Peak	Horizontal
*	7869.5	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
	8357.3	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
	9187.5	36.0	15.3	51.3	74.0	-22.7	Peak	Horizontal
*	7184.3	34.2	13.6	47.8	88.2	-40.4	Peak	Vertical
*	7815.6	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
	8341.7	33.7	14.5	48.2	74.0	-25.8	Peak	Vertical
	9151.7	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7054.7	35.5	13.1	48.6	88.2	-39.6	Peak	Horizontal
*	7865.6	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
	9132.7	35.6	15.1	50.7	74.0	-23.3	Peak	Horizontal
	9435.8	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7189.3	35.0	13.6	48.6	88.2	-39.6	Peak	Vertical
*	7851.3	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8464.7	34.4	14.6	49.0	74.0	-25.0	Peak	Vertical
	9169.7	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7105.4	34.9	13.4	48.3	88.2	-39.9	Peak	Horizontal
*	7955.5	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8384.4	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	9384.5	33.0	15.3	48.3	74.0	-25.7	Peak	Horizontal
*	7085.5	34.5	13.3	47.8	88.2	-40.4	Peak	Vertical
*	7934.1	34.3	15.1	49.4	88.2	-38.8	Peak	Vertical
	8499.0	33.8	14.7	48.5	74.0	-25.5	Peak	Vertical
	9132.1	35.1	15.1	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7057.5	34.6	13.1	47.7	88.2	-40.5	Peak	Horizontal
*	7937.2	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8497.8	33.4	14.7	48.1	74.0	-25.9	Peak	Horizontal
	9184.8	36.3	15.3	51.6	74.0	-22.4	Peak	Horizontal
*	7047.8	35.4	13.1	48.5	88.2	-39.7	Peak	Vertical
*	7862.4	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8378.5	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	9187.5	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7844.1	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8687.2	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9165.3	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
	9435.9	33.6	15.5	49.1	74.0	-24.9	Peak	Horizontal
*	7037.0	35.2	13.0	48.2	88.2	-40.0	Peak	Vertical
*	7845.0	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
	8431.9	34.7	14.6	49.3	74.0	-24.7	Peak	Vertical
	9185.1	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7098.4	34.5	13.4	47.9	88.2	-40.3	Peak	Horizontal
*	7924.3	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
	8495.3	33.6	14.7	48.3	74.0	-25.7	Peak	Horizontal
	9198.6	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7031.5	34.2	13.0	47.2	88.2	-41.0	Peak	Vertical
*	7952.6	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8421.6	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	9131.7	34.4	15.1	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7021.2	35.6	12.9	48.5	88.2	-39.7	Peak	Horizontal
*	7835.1	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
	8497.2	33.6	14.7	48.3	74.0	-25.7	Peak	Horizontal
	9184.2	35.8	15.3	51.1	74.0	-22.9	Peak	Horizontal
*	7047.4	34.4	13.1	47.5	88.2	-40.7	Peak	Vertical
*	7931.5	33.8	15.1	48.9	88.2	-39.3	Peak	Vertical
	8478.5	33.1	14.6	47.7	74.0	-26.3	Peak	Vertical
	9184.5	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7032.0	35.3	13.0	48.3	88.2	-39.9	Peak	Horizontal
*	7965.2	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
	8345.4	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	9184.0	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
*	7187.2	34.1	13.6	47.7	88.2	-40.5	Peak	Vertical
*	7859.5	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8445.4	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9183.5	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7035.6	34.5	13.0	47.5	88.2	-40.7	Peak	Horizontal
*	7958.4	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
	8435.1	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9174.5	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7085.3	33.4	13.3	46.7	88.2	-41.5	Peak	Vertical
*	7864.2	32.6	15.0	47.6	88.2	-40.6	Peak	Vertical
	8432.2	33.6	14.6	48.2	74.0	-25.8	Peak	Vertical
	9148.4	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.6	35.1	13.3	48.4	88.2	-39.8	Peak	Horizontal
*	7964.5	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
	8435.5	33.1	14.6	47.7	74.0	-26.3	Peak	Horizontal
	9184.5	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7084.6	34.8	13.3	48.1	88.2	-40.1	Peak	Vertical
*	7987.4	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8499.9	32.9	14.7	47.6	74.0	-26.4	Peak	Vertical
	9101.8	33.8	14.6	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7065.3	34.4	13.2	47.6	88.2	-40.6	Peak	Horizontal
*	7989.0	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	8423.4	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9122.7	33.6	14.9	48.5	74.0	-25.5	Peak	Horizontal
*	7031.9	34.8	13.0	47.8	88.2	-40.4	Peak	Vertical
*	7933.6	34.4	15.1	49.5	88.2	-38.7	Peak	Vertical
	8425.6	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	9106.5	34.8	14.7	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.7	34.3	13.2	47.5	88.2	-40.7	Peak	Horizontal
*	7965.4	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
	8498.5	33.5	14.7	48.2	74.0	-25.8	Peak	Horizontal
	9464.4	33.8	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	7856.7	33.8	15.1	48.9	88.2	-39.3	Peak	Vertical
*	8684.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9175.9	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9469.4	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7864.4	33.0	15.0	48.0	88.2	-40.2	Peak	Horizontal
*	8768.5	33.7	14.5	48.2	88.2	-40.0	Peak	Horizontal
	9154.4	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9432.9	33.6	15.5	49.1	74.0	-24.9	Peak	Horizontal
*	7096.5	34.8	13.3	48.1	88.2	-40.1	Peak	Vertical
*	7988.0	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
	8387.4	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical
	9175.6	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7065.7	35.2	13.2	48.4	88.2	-39.8	Peak	Horizontal
*	7954.4	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
	8464.7	34.5	14.6	49.1	74.0	-24.9	Peak	Horizontal
	9183.0	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7894.6	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
*	8678.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9156.6	33.6	15.3	48.9	74.0	-25.1	Peak	Vertical
	9453.4	33.4	15.5	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7064.6	36.1	13.2	49.3	88.2	-38.9	Peak	Horizontal
*	7960.4	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
	9152.3	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9435.4	33.2	15.5	48.7	74.0	-25.3	Peak	Horizontal
*	7043.5	35.2	13.1	48.3	88.2	-39.9	Peak	Vertical
*	7948.9	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8435.4	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical
	9178.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7134.5	34.0	13.5	47.5	88.2	-40.7	Peak	Horizontal
*	7864.9	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
	8462.8	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9167.4	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7035.4	35.2	13.0	48.2	88.2	-40.0	Peak	Vertical
*	7791.5	32.3	15.0	47.3	88.2	-40.9	Peak	Vertical
	8157.2	32.9	14.9	47.8	74.0	-26.2	Peak	Vertical
	9160.3	33.6	15.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7233.3	34.4	13.8	48.2	88.2	-40.0	Peak	Horizontal
*	8011.4	34.0	15.1	49.1	88.2	-39.1	Peak	Horizontal
	9165.0	33.8	15.3	49.1	74.0	-24.9	Peak	Horizontal
	9486.7	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7194.7	33.8	13.6	47.4	88.2	-40.8	Peak	Vertical
*	7956.8	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8369.4	35.5	14.4	49.9	74.0	-24.1	Peak	Vertical
	9183.6	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7064.4	34.9	13.2	48.1	88.2	-40.1	Peak	Horizontal
*	7947.2	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
	8456.3	34.8	14.5	49.3	74.0	-24.7	Peak	Horizontal
	9168.6	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
*	7168.4	33.9	13.6	47.5	88.2	-40.7	Peak	Vertical
*	7897.2	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
	8385.2	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	9184.6	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7208.6	35.0	13.7	48.7	88.2	-39.5	Peak	Horizontal
*	7937.7	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
	8222.8	33.4	14.5	47.9	74.0	-26.1	Peak	Horizontal
	9138.8	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
*	7069.0	35.2	13.2	48.4	88.2	-39.8	Peak	Vertical
*	7952.6	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
	8466.5	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	9174.0	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7046.6	34.7	13.1	47.8	88.2	-40.4	Peak	Horizontal
*	7898.9	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
	8386.6	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
	9193.6	35.6	15.2	50.8	74.0	-23.2	Peak	Horizontal
*	7195.3	34.6	13.6	48.2	88.2	-40.0	Peak	Vertical
*	7786.6	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
	8297.5	33.5	14.3	47.8	74.0	-26.2	Peak	Vertical
	9164.1	33.6	15.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7063.8	34.7	13.2	47.9	88.2	-40.3	Peak	Horizontal
*	7854.9	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
	8424.5	34.7	14.6	49.3	74.0	-24.7	Peak	Horizontal
	9187.5	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
*	7036.8	34.3	13.0	47.3	88.2	-40.9	Peak	Vertical
*	7762.7	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	8374.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9177.4	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7024.4	34.8	12.9	47.7	88.2	-40.5	Peak	Horizontal
*	7841.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
	8342.1	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9147.4	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7137.0	34.0	13.5	47.5	88.2	-40.7	Peak	Vertical
*	7910.5	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8352.5	34.6	14.4	49.0	74.0	-25.0	Peak	Vertical
	9143.0	34.6	15.2	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7048.4	34.8	13.1	47.9	88.2	-40.3	Peak	Horizontal
*	7797.5	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
	8367.4	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9184.7	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7143.5	34.2	13.5	47.7	88.2	-40.5	Peak	Vertical
*	7985.2	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
	8387.2	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9177.7	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.6	35.2	13.2	48.4	88.2	-39.8	Peak	Horizontal
*	7983.6	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8378.5	33.8	14.4	48.2	74.0	-25.8	Peak	Horizontal
	9147.7	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7039.0	34.6	13.0	47.6	88.2	-40.6	Peak	Vertical
*	7825.9	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
	8374.1	34.0	14.4	48.4	74.0	-25.6	Peak	Vertical
	9147.3	34.2	15.3	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7126.1	34.2	13.5	47.7	88.2	-40.5	Peak	Horizontal
*	7891.5	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
	8467.1	34.0	14.6	48.6	74.0	-25.4	Peak	Horizontal
	9433.6	33.5	15.5	49.0	74.0	-25.0	Peak	Horizontal
*	7032.5	34.5	13.0	47.5	88.2	-40.7	Peak	Vertical
*	7812.5	32.7	15.0	47.7	88.2	-40.5	Peak	Vertical
	8256.2	33.4	14.4	47.8	74.0	-26.2	Peak	Vertical
	9137.2	34.0	15.1	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7032.1	34.8	13.0	47.8	88.2	-40.4	Peak	Horizontal
*	7924.1	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8146.3	33.1	15.0	48.1	74.0	-25.9	Peak	Horizontal
	9159.4	33.6	15.3	48.9	74.0	-25.1	Peak	Horizontal
*	7037.0	34.6	13.0	47.6	88.2	-40.6	Peak	Vertical
*	7935.2	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8475.3	33.4	14.6	48.0	74.0	-26.0	Peak	Vertical
	9174.0	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7095.2	35.1	13.3	48.4	88.2	-39.8	Peak	Horizontal
*	7823.1	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8462.2	35.7	14.5	50.2	74.0	-23.8	Peak	Horizontal
	9184.6	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7183.7	34.4	13.6	48.0	88.2	-40.2	Peak	Vertical
*	7956.1	34.4	15.1	49.5	88.2	-38.7	Peak	Vertical
	8346.7	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical
	9134.6	34.5	15.1	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7101.2	35.4	13.4	48.8	88.2	-39.4	Peak	Horizontal
*	7920.5	35.0	15.1	50.1	88.2	-38.1	Peak	Horizontal
	8435.8	35.2	14.6	49.8	74.0	-24.2	Peak	Horizontal
	9144.0	35.5	15.2	50.7	74.0	-23.3	Peak	Horizontal
*	7033.3	34.5	13.0	47.5	88.2	-40.7	Peak	Vertical
*	7836.2	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
	8345.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9176.7	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7135.6	34.5	13.5	48.0	88.2	-40.2	Peak	Horizontal
*	7864.5	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
	8368.2	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9184.3	36.3	15.3	51.6	74.0	-22.4	Peak	Horizontal
*	7034.4	34.9	13.0	47.9	88.2	-40.3	Peak	Vertical
*	7855.6	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
	8368.2	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9184.8	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7153.3	35.8	13.6	49.4	88.2	-38.8	Peak	Horizontal
*	7901.0	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	8436.3	34.2	14.6	48.8	74.0	-25.2	Peak	Horizontal
	9112.2	34.7	14.7	49.4	74.0	-24.6	Peak	Horizontal
*	7025.2	35.4	12.9	48.3	88.2	-39.9	Peak	Vertical
*	7966.0	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
	8433.5	34.2	14.6	48.8	74.0	-25.2	Peak	Vertical
	9178.0	36.0	15.3	51.3	74.0	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7045.2	35.1	13.1	48.2	88.2	-40.0	Peak	Horizontal
*	7833.0	34.0	15.1	49.1	88.2	-39.1	Peak	Horizontal
	8496.5	34.0	14.7	48.7	74.0	-25.3	Peak	Horizontal
	9122.0	33.8	14.9	48.7	74.0	-25.3	Peak	Horizontal
*	7062.2	35.7	13.1	48.8	88.2	-39.4	Peak	Vertical
*	7856.5	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
	8324.0	33.9	14.5	48.4	74.0	-25.6	Peak	Vertical
	9164.2	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7177.4	34.1	13.6	47.7	88.2	-40.5	Peak	Horizontal
*	7935.5	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
	8488.7	33.8	14.7	48.5	74.0	-25.5	Peak	Horizontal
	9168.2	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7042.7	35.5	13.0	48.5	88.2	-39.7	Peak	Vertical
*	7854.0	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
	8384.4	34.6	14.4	49.0	74.0	-25.0	Peak	Vertical
	9121.0	34.7	14.9	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7040.8	34.3	13.0	47.3	88.2	-40.9	Peak	Horizontal
*	7921.3	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8338.6	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	9147.2	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7084.4	34.7	13.3	48.0	88.2	-40.2	Peak	Vertical
*	7825.5	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8358.5	34.9	14.4	49.3	74.0	-24.7	Peak	Vertical
	9122.0	34.5	14.9	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7057.5	35.1	13.1	48.2	88.2	-40.0	Peak	Horizontal
*	7854.5	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8432.5	34.4	14.6	49.0	74.0	-25.0	Peak	Horizontal
	9145.3	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
*	7021.2	35.8	12.9	48.7	88.2	-39.5	Peak	Vertical
*	7846.0	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8354.7	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9178.3	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7123.0	34.3	13.5	47.8	88.2	-40.4	Peak	Horizontal
*	7954.1	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8478.3	34.1	14.6	48.7	74.0	-25.3	Peak	Horizontal
	9144.2	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7149.2	35.5	13.5	49.0	88.2	-39.2	Peak	Vertical
*	7825.1	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8462.3	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical
	9152.6	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7025.3	34.9	12.9	47.8	88.2	-40.4	Peak	Horizontal
*	7824.5	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8364.4	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9184.1	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
*	7138.6	35.1	13.5	48.6	88.2	-39.6	Peak	Vertical
*	7855.3	34.0	15.1	49.1	88.2	-39.1	Peak	Vertical
	8452.0	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	9182.8	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7074.4	35.1	13.2	48.3	88.2	-39.9	Peak	Horizontal
*	7934.4	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
	8138.4	34.4	15.0	49.4	74.0	-24.6	Peak	Horizontal
	9454.8	34.4	15.5	49.9	74.0	-24.1	Peak	Horizontal
*	7133.5	34.6	13.5	48.1	88.2	-40.1	Peak	Vertical
*	7931.8	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
	8495.7	33.8	14.7	48.5	74.0	-25.5	Peak	Vertical
	9137.5	35.1	15.1	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7035.7	34.5	13.0	47.5	88.2	-40.7	Peak	Horizontal
*	7954.4	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
	8342.2	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9175.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7032.4	35.2	13.0	48.2	88.2	-40.0	Peak	Vertical
*	7865.5	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
	8435.4	35.0	14.6	49.6	74.0	-24.4	Peak	Vertical
	9174.0	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.8	35.2	13.1	48.3	88.2	-39.9	Peak	Horizontal
*	7864.7	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	8438.5	34.4	14.6	49.0	74.0	-25.0	Peak	Horizontal
	9154.9	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7064.5	35.6	13.2	48.8	88.2	-39.4	Peak	Vertical
*	7868.6	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
	8454.6	35.1	14.5	49.6	74.0	-24.4	Peak	Vertical
	9168.7	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7054.6	35.8	13.1	48.9	88.2	-39.3	Peak	Horizontal
*	7854.8	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8454.2	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	9184.5	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7185.7	34.6	13.6	48.2	88.2	-40.0	Peak	Vertical
*	7935.8	34.7	15.1	49.8	88.2	-38.4	Peak	Vertical
	8468.8	33.7	14.6	48.3	74.0	-25.7	Peak	Vertical
	9187.2	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7057.5	35.4	13.1	48.5	88.2	-39.7	Peak	Horizontal
*	7952.3	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8257.5	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
	9187.7	36.1	15.3	51.4	74.0	-22.6	Peak	Horizontal
*	7054.7	35.4	13.1	48.5	88.2	-39.7	Peak	Vertical
*	7842.5	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8387.4	34.5	14.4	48.9	74.0	-25.1	Peak	Vertical
	9175.8	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7038.7	35.2	13.0	48.2	88.2	-40.0	Peak	Horizontal
*	7854.9	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
	8368.5	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9175.7	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
*	7084.7	34.6	13.3	47.9	88.2	-40.3	Peak	Vertical
*	7854.4	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8387.6	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical
	9175.5	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7057.7	35.7	13.1	48.8	88.2	-39.4	Peak	Horizontal
*	7935.8	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8374.5	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
	9167.9	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7173.0	34.2	13.6	47.8	88.2	-40.4	Peak	Vertical
*	7935.2	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8374.4	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9157.2	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7087.5	35.8	13.3	49.1	88.2	-39.1	Peak	Horizontal
*	7942.2	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8284.2	33.8	14.3	48.1	74.0	-25.9	Peak	Horizontal
	9157.2	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7084.5	35.0	13.3	48.3	88.2	-39.9	Peak	Vertical
*	7947.5	34.2	15.1	49.3	88.2	-38.9	Peak	Vertical
	8368.9	34.9	14.4	49.3	74.0	-24.7	Peak	Vertical
	9175.1	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.5	34.6	13.3	47.9	88.2	-40.3	Peak	Horizontal
*	7954.7	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8325.7	35.2	14.5	49.7	74.0	-24.3	Peak	Horizontal
	9145.5	34.3	15.2	49.5	74.0	-24.5	Peak	Horizontal
*	7054.6	35.1	13.1	48.2	88.2	-40.0	Peak	Vertical
*	7975.5	33.8	15.0	48.8	88.2	-39.4	Peak	Vertical
	8247.4	34.4	14.5	48.9	74.0	-25.1	Peak	Vertical
	9187.5	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.2	35.3	13.2	48.5	88.2	-39.7	Peak	Horizontal
*	7844.5	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
	8384.5	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
	9187.1	36.0	15.3	51.3	74.0	-22.7	Peak	Horizontal
*	7048.8	35.1	13.1	48.2	88.2	-40.0	Peak	Vertical
*	7852.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8387.6	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	9175.1	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7058.0	34.7	13.1	47.8	88.2	-40.4	Peak	Horizontal
*	7945.6	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
	8368.5	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9187.5	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7074.6	35.0	13.2	48.2	88.2	-40.0	Peak	Vertical
*	7863.6	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
	8368.5	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical
	9121.1	34.5	14.9	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7075.7	34.8	13.2	48.0	88.2	-40.2	Peak	Horizontal
*	7964.5	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	8398.7	34.9	14.4	49.3	74.0	-24.7	Peak	Horizontal
	9157.4	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	7083.6	33.5	13.3	46.8	88.2	-41.4	Peak	Vertical
*	7854.6	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8274.7	33.5	14.3	47.8	74.0	-26.2	Peak	Vertical
	9187.5	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7045.6	34.2	13.1	47.3	88.2	-40.9	Peak	Horizontal
*	7865.5	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
	8287.6	33.6	14.3	47.9	74.0	-26.1	Peak	Horizontal
	9175.7	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7057.5	34.5	13.1	47.6	88.2	-40.6	Peak	Vertical
*	7947.1	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8287.5	34.0	14.3	48.3	74.0	-25.7	Peak	Vertical
	9177.6	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7048.9	35.6	13.1	48.7	88.2	-39.5	Peak	Horizontal
*	7865.7	34.5	15.0	49.5	88.2	-38.7	Peak	Horizontal
	8367.5	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9187.6	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
*	7057.7	35.5	13.1	48.6	88.2	-39.6	Peak	Vertical
*	7964.4	33.7	15.0	48.7	88.2	-39.5	Peak	Vertical
	8369.6	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	9185.5	36.5	15.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7064.6	35.0	13.2	48.2	88.2	-40.0	Peak	Horizontal
*	7864.5	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
	8287.6	33.7	14.3	48.0	74.0	-26.0	Peak	Horizontal
	9152.4	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7168.9	34.2	13.6	47.8	88.2	-40.4	Peak	Vertical
*	7975.5	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
	8435.7	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	9178.7	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7088.7	35.1	13.3	48.4	88.2	-39.8	Peak	Horizontal
*	7835.0	34.6	15.1	49.7	88.2	-38.5	Peak	Horizontal
	8368.2	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9172.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7158.7	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
*	7935.4	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
	8338.4	34.0	14.5	48.5	74.0	-25.5	Peak	Vertical
	9157.3	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7014.4	35.3	12.8	48.1	88.2	-40.1	Peak	Horizontal
*	7824.4	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	8338.0	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9144.8	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7079.3	35.0	13.2	48.2	88.2	-40.0	Peak	Vertical
*	7988.8	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
	8474.5	33.5	14.6	48.1	74.0	-25.9	Peak	Vertical
	9174.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.8	34.4	13.3	47.7	88.2	-40.5	Peak	Horizontal
*	7958.1	34.0	15.1	49.1	88.2	-39.1	Peak	Horizontal
	8354.4	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
	9065.4	34.2	14.5	48.7	74.0	-25.3	Peak	Horizontal
*	7057.7	34.9	13.1	48.0	88.2	-40.2	Peak	Vertical
*	7853.5	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8445.5	34.0	14.5	48.5	74.0	-25.5	Peak	Vertical
	9184.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7176.1	34.7	13.6	48.3	88.2	-39.9	Peak	Horizontal
*	7952.1	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
	8368.1	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9168.1	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
*	7084.0	34.7	13.3	48.0	88.2	-40.2	Peak	Vertical
*	7831.6	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
	8368.2	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	9168.1	34.0	15.3	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7047.7	35.0	13.1	48.1	88.2	-40.1	Peak	Horizontal
*	7931.5	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
	8384.5	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	9157.5	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
*	7024.3	35.6	12.9	48.5	88.2	-39.7	Peak	Vertical
*	7854.3	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
	8368.7	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	9174.1	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7168.7	34.6	13.6	48.2	88.2	-40.0	Peak	Horizontal
*	7965.1	34.2	15.0	49.2	88.2	-39.0	Peak	Horizontal
	8268.3	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	9154.4	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7045.7	35.0	13.1	48.1	88.2	-40.1	Peak	Vertical
*	7952.7	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8382.1	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9146.6	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.3	35.5	13.2	48.7	88.2	-39.5	Peak	Horizontal
*	7938.7	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8484.4	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9165.5	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7179.4	34.7	13.6	48.3	88.2	-39.9	Peak	Vertical
*	7984.1	34.2	15.0	49.2	88.2	-39.0	Peak	Vertical
	8350.4	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9105.1	33.5	14.6	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7081.8	34.7	13.3	48.0	88.2	-40.2	Peak	Horizontal
*	7905.4	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8307.6	34.8	14.3	49.1	74.0	-24.9	Peak	Horizontal
	9172.1	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7004.6	35.4	12.8	48.2	88.2	-40.0	Peak	Vertical
*	7804.1	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
	8405.7	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	9105.8	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.5	34.4	13.3	47.7	88.2	-40.5	Peak	Horizontal
*	7854.1	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
	8206.5	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
	9198.6	35.7	15.2	50.9	74.0	-23.1	Peak	Horizontal
*	7041.1	34.7	13.0	47.7	88.2	-40.5	Peak	Vertical
*	7804.7	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8228.5	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	9150.5	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7084.6	34.4	13.3	47.7	88.2	-40.5	Peak	Horizontal
*	7827.1	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
	8305.1	34.1	14.3	48.4	74.0	-25.6	Peak	Horizontal
	9187.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7044.0	35.1	13.1	48.2	88.2	-40.0	Peak	Vertical
*	7954.5	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
	8354.5	35.2	14.4	49.6	74.0	-24.4	Peak	Vertical
	9187.7	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.5	35.7	13.2	48.9	88.2	-39.3	Peak	Horizontal
*	7842.1	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
	8324.0	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9184.1	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7184.1	34.7	13.6	48.3	88.2	-39.9	Peak	Vertical
*	7904.1	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8334.0	33.7	14.5	48.2	74.0	-25.8	Peak	Vertical
	9154.1	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7065.2	35.0	13.2	48.2	88.2	-40.0	Peak	Horizontal
*	7805.6	33.9	15.0	48.9	88.2	-39.3	Peak	Horizontal
	8342.0	34.8	14.5	49.3	74.0	-24.7	Peak	Horizontal
	9154.1	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7045.6	34.9	13.1	48.0	88.2	-40.2	Peak	Vertical
*	7984.5	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
	8341.0	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical
	9157.5	33.9	15.3	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7046.5	35.0	13.1	48.1	88.2	-40.1	Peak	Horizontal
*	7935.5	34.6	15.1	49.7	88.2	-38.5	Peak	Horizontal
	8328.2	34.1	14.5	48.6	74.0	-25.4	Peak	Horizontal
	9134.1	34.5	15.1	49.6	74.0	-24.4	Peak	Horizontal
*	7168.4	34.2	13.6	47.8	88.2	-40.4	Peak	Vertical
*	7828.0	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	8327.1	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9165.1	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

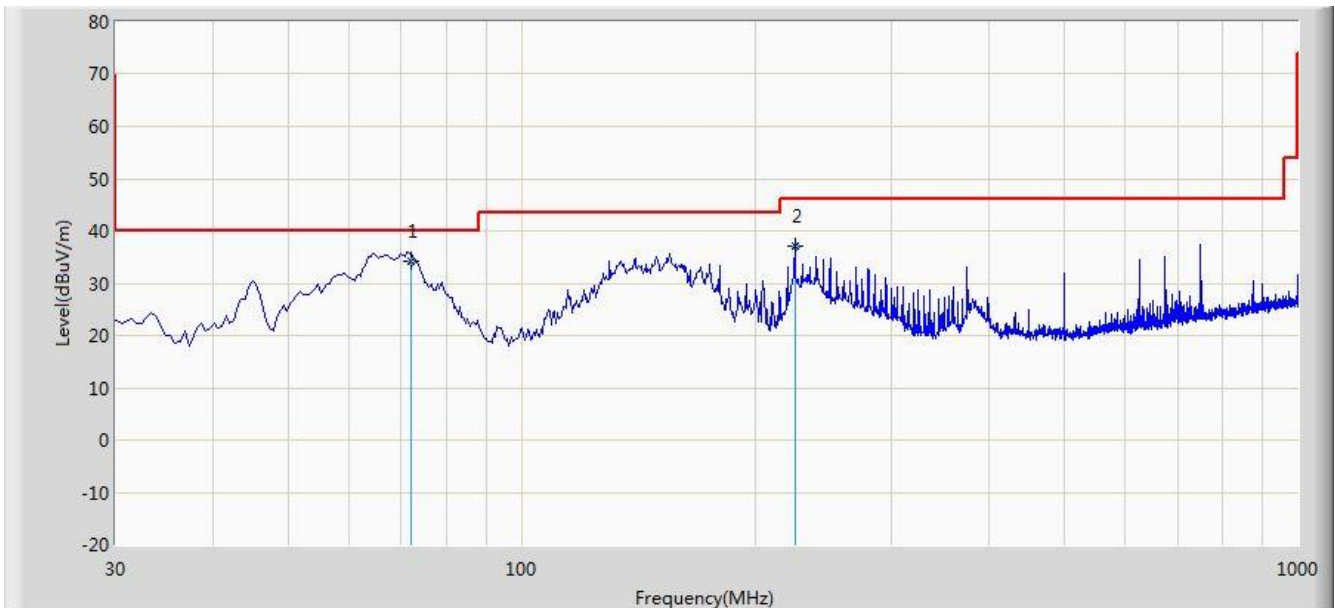| Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.4	34.6	13.2	47.8	88.2	-40.4	Peak	Horizontal
*	7851.5	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	8398.8	35.2	14.4	49.6	74.0	-24.4	Peak	Horizontal
	9172.6	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7168.1	34.9	13.6	48.5	88.2	-39.7	Peak	Vertical
*	7954.4	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8342.6	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical
	9168.3	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7168.9	33.9	13.6	47.5	88.2	-40.7	Peak	Horizontal
*	7928.3	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
	8349.2	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9155.0	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7065.3	34.7	13.2	47.9	88.2	-40.3	Peak	Vertical
*	7934.2	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8447.3	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9128.4	34.1	15.0	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7084.7	34.4	13.3	47.7	88.2	-40.5	Peak	Horizontal
*	7832.5	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
	8158.2	34.1	14.9	49.0	74.0	-25.0	Peak	Horizontal
	9154.3	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7057.2	34.9	13.1	48.0	88.2	-40.2	Peak	Vertical
*	7867.0	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
	8378.5	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9138.2	35.2	15.2	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7024.3	35.4	12.9	48.3	88.2	-39.9	Peak	Horizontal
*	7833.0	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	8398.4	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9184.1	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7184.4	34.5	13.6	48.1	88.2	-40.1	Peak	Vertical
*	7865.6	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
	8425.1	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical
	9167.2	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7045.4	34.6	13.1	47.7	88.2	-40.5	Peak	Horizontal
*	7841.0	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8324.4	34.4	14.5	48.9	74.0	-25.1	Peak	Horizontal
	9157.2	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
*	7024.1	35.3	12.9	48.2	88.2	-40.0	Peak	Vertical
*	7982.0	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
	8464.4	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9157.2	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7035.0	35.1	13.0	48.1	88.2	-40.1	Peak	Horizontal
*	7842.2	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
	8345.0	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9157.0	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	7045.6	34.8	13.1	47.9	88.2	-40.3	Peak	Vertical
*	7987.7	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
	8434.5	34.1	14.6	48.7	74.0	-25.3	Peak	Vertical
	9174.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7034.5	35.7	13.0	48.7	88.2	-39.5	Peak	Horizontal
*	7851.1	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
	8354.4	35.7	14.4	50.1	74.0	-23.9	Peak	Horizontal
	9184.5	35.6	15.3	50.9	74.0	-23.1	Peak	Horizontal
*	7165.3	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
*	7822.0	33.7	15.0	48.7	88.2	-39.5	Peak	Vertical
	8351.5	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9157.7	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7752.4	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
*	8692.3	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9123.6	34.4	14.9	49.3	74.0	-24.7	Peak	Horizontal
	9412.4	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7862.4	33.8	15.1	48.9	88.2	-39.3	Peak	Vertical
*	8601.3	33.7	14.9	48.6	88.2	-39.6	Peak	Vertical
	9142.4	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9452.3	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0+1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7812.4	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
*	8615.4	33.2	14.8	48.0	88.2	-40.2	Peak	Horizontal
	9172.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9425.3	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7815.4	32.6	15.0	47.6	88.2	-40.6	Peak	Vertical
*	8623.3	33.7	14.8	48.5	88.2	-39.7	Peak	Vertical
	9145.4	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9412.4	34.1	15.5	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80 – Ant 0+1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7751.4	34.2	14.8	49.0	88.2	-39.2	Peak	Horizontal
*	8681.5	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9145.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9472.5	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7845.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8456.4	34.1	14.5	48.6	88.2	-39.6	Peak	Vertical
	9143.7	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9425.4	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 09:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz by 802.11a	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	72.230	34.158	23.987	-5.842	40.000	10.171	QP
2			225.340	36.994	24.510	-9.006	46.000	12.484	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 09:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz by 802.11a	
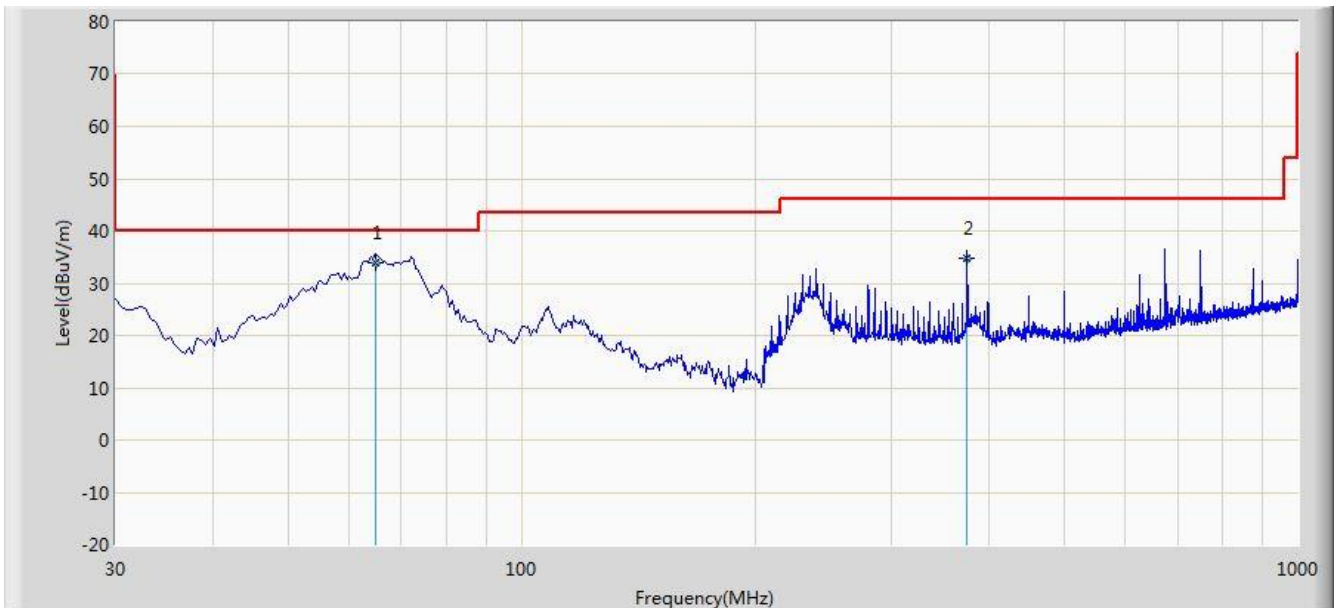
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	64.837	34.024	21.630	-5.976	40.000	12.394	QP
2			375.360	34.677	18.940	-11.323	46.000	15.737	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 18:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	
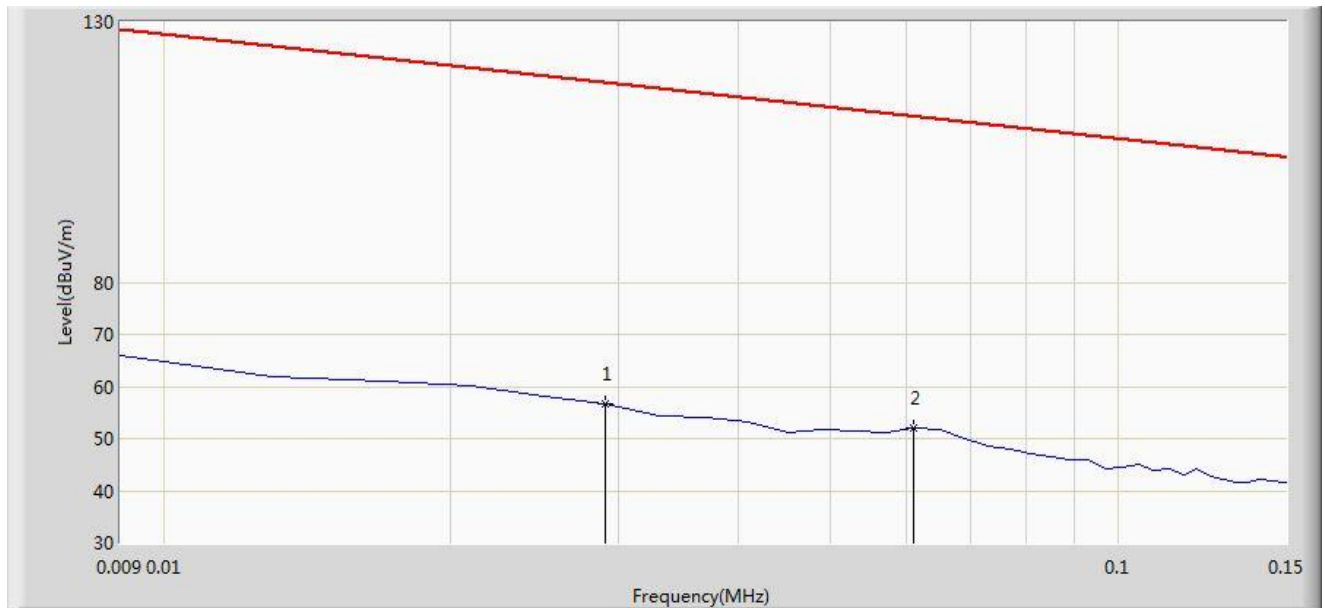
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.720	35.671	-61.622	118.342	21.049	QP
2		*	0.061	51.902	31.591	-59.985	111.887	20.311	QP

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 18:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	
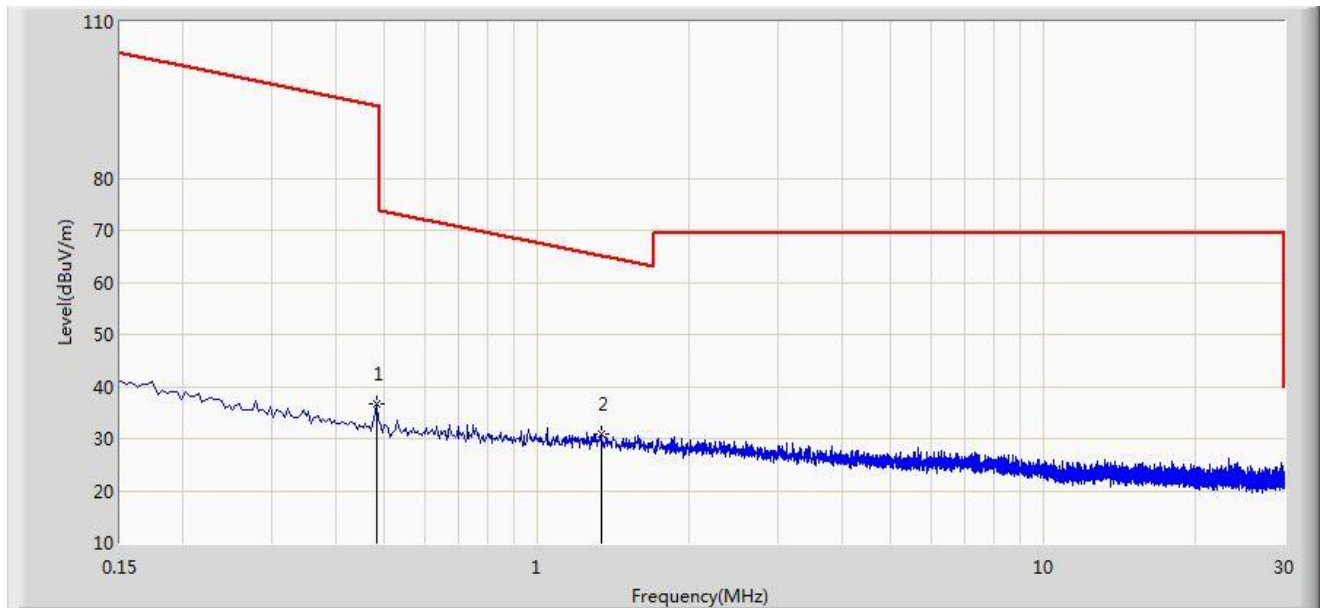
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.594	16.194	-57.348	93.943	20.401	QP
2		*	1.338	31.005	10.516	-34.094	65.099	20.489	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 21:12
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	
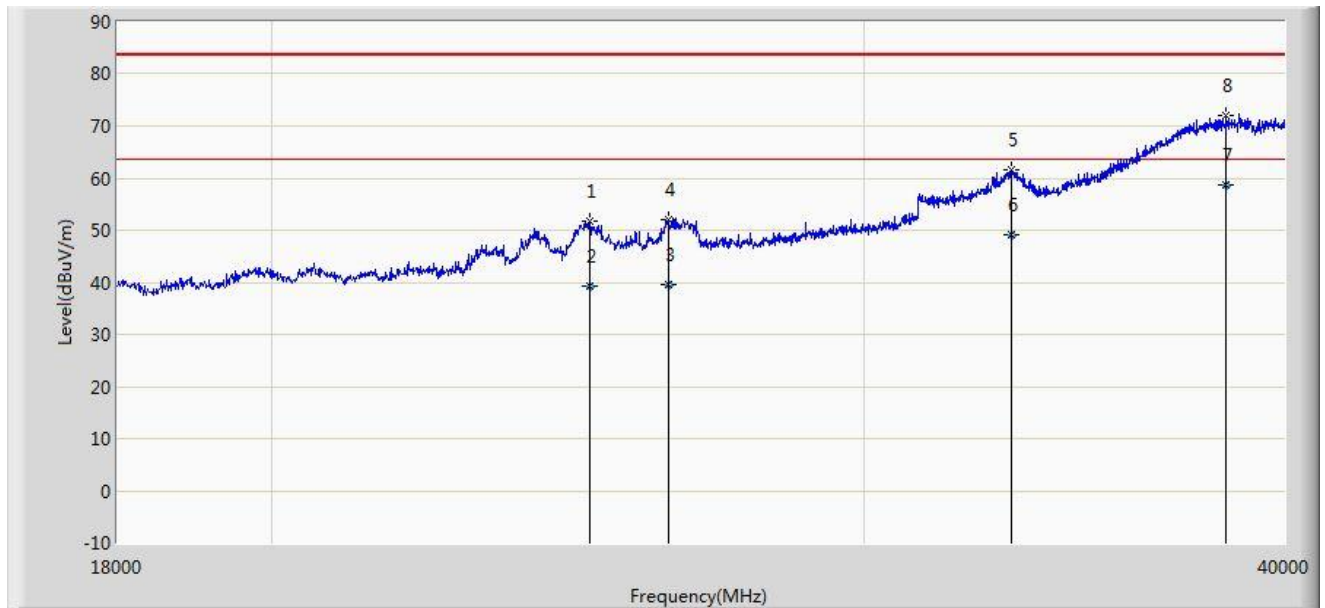
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.876	37.101	-31.624	83.500	14.775	PK
2			24864.088	39.255	24.480	-24.245	63.500	14.775	AV
3			26260.988	39.509	24.090	-23.991	63.500	15.419	AV
4			26261.000	51.996	36.577	-31.504	83.500	15.419	PK
5			33180.000	61.501	39.980	-21.999	83.500	21.521	PK
6			33180.363	49.081	27.560	-14.419	63.500	21.521	AV
7		*	38437.980	58.563	31.230	-4.937	63.500	27.333	AV
8			38438.000	72.071	44.738	-11.429	83.500	27.333	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 21:15
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	
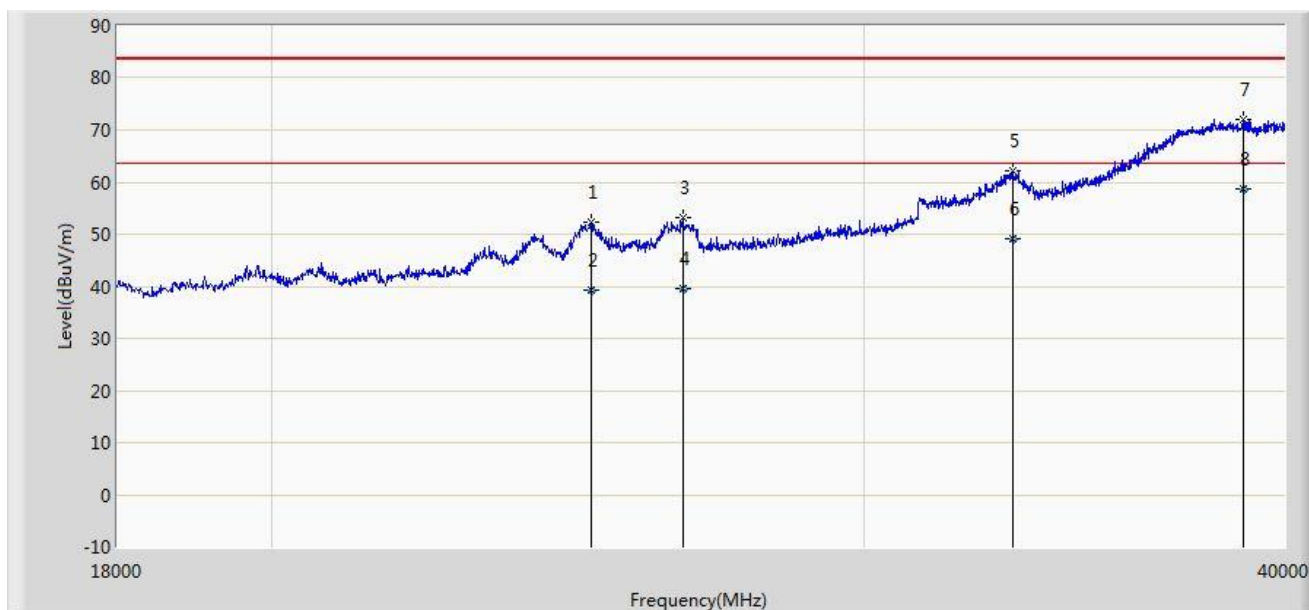
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.363	37.578	-31.137	83.500	14.785	PK
2			24886.970	39.274	24.489	-24.226	63.500	14.785	AV
3			26503.000	53.267	37.247	-30.233	83.500	16.020	PK
4			26503.877	39.632	23.610	-23.868	63.500	16.022	AV
5			33213.000	62.169	40.632	-21.331	83.500	21.538	PK
6			33213.989	49.128	27.590	-14.372	63.500	21.538	AV
7			38900.000	72.136	44.251	-11.364	83.500	27.885	PK
8		*	38900.756	58.755	30.870	-4.745	63.500	27.885	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

7.8. Radiated Restricted Band Edge Measurement

7.8.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5350	-27	68.2
5470 - 5725	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2. Test Result of Radiated Restricted Band Edge

Test by pannel antenna – 25dBi

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
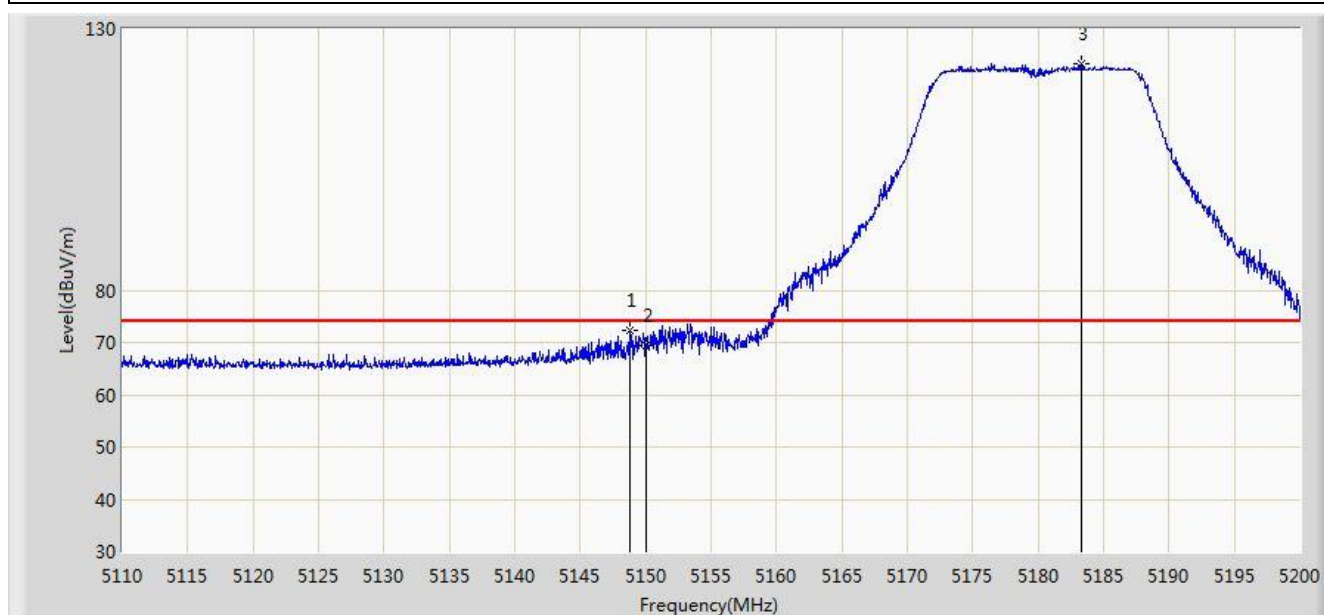
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.745	72.201	65.024	-1.799	74.000	7.177	PK
2			5150.000	69.401	62.225	-4.599	74.000	7.176	PK
3		*	5183.260	123.362	116.329	N/A	N/A	7.034	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.233	46.057	-0.767	54.000	7.176	AV
2		*	5184.970	110.210	103.187	N/A	N/A	7.023	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.820	64.348	57.170	-9.652	74.000	7.178	PK
2			5150.000	62.792	55.616	-11.208	74.000	7.176	PK
3		*	5176.420	96.307	89.229	N/A	N/A	7.077	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
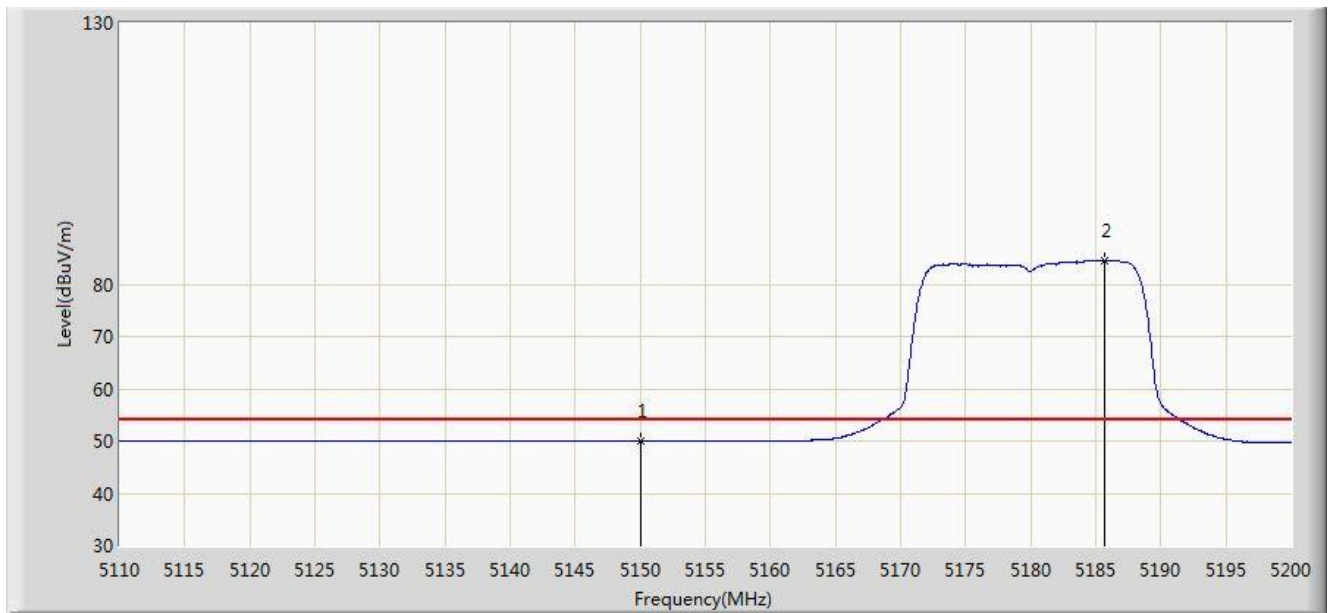
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.014	42.838	-3.986	54.000	7.176	AV
2		*	5185.690	84.543	77.525	N/A	N/A	7.018	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:03
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
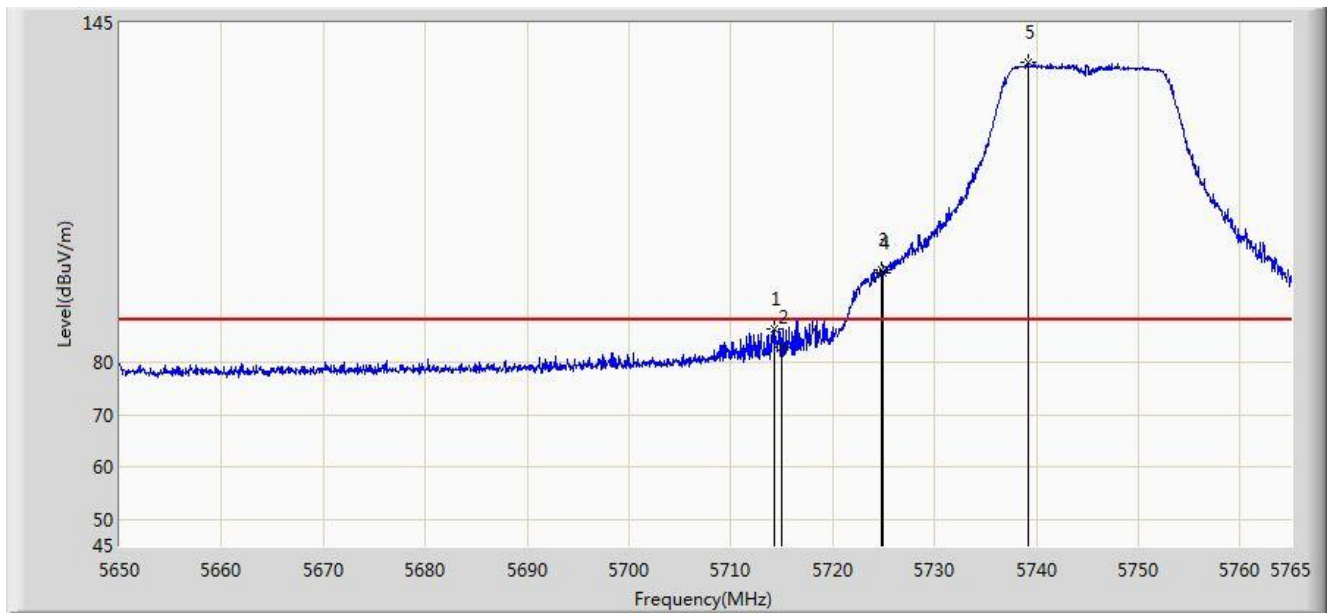
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.285	86.497	78.727	-1.703	88.200	7.770	PK
2			5715.000	83.110	75.338	-5.090	88.200	7.772	PK
3			5724.750	97.760	89.970	-0.440	98.200	7.790	PK
4			5725.000	97.135	89.344	-1.065	98.200	7.791	PK
5		*	5739.183	137.529	129.708	N/A	N/A	7.821	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:08
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
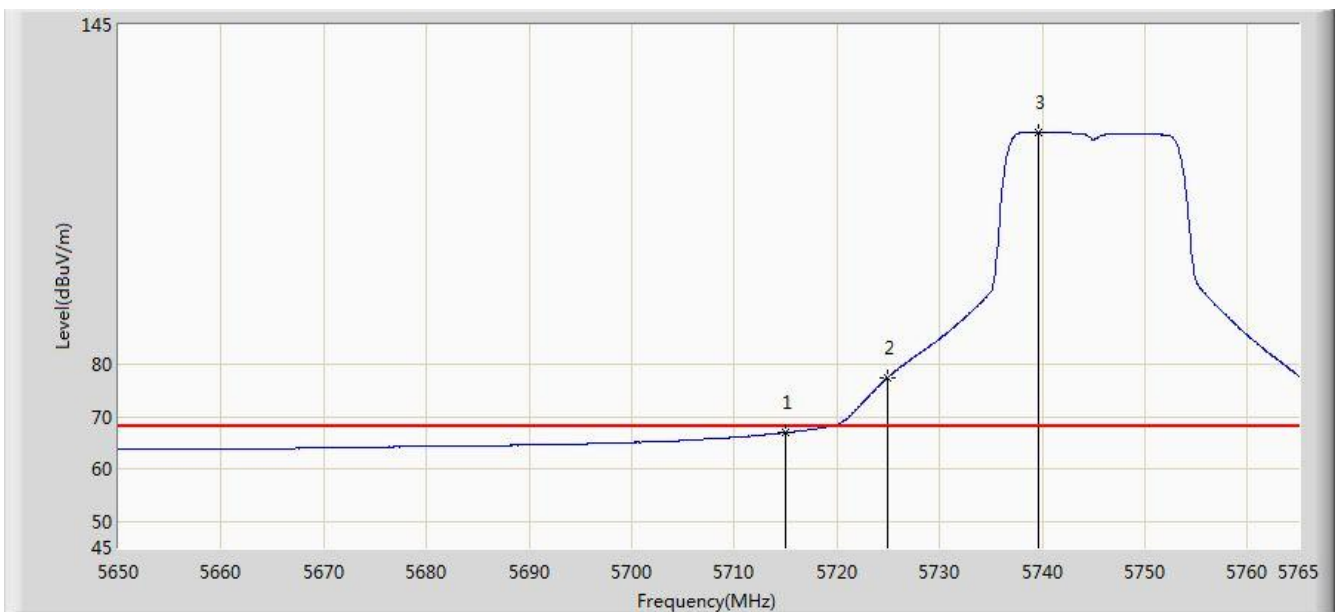
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	66.952	59.180	-1.248	68.200	7.772	AV
2			5725.000	77.551	69.760	9.351	68.200	7.791	AV
3		*	5739.700	124.494	116.672	N/A	N/A	7.822	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
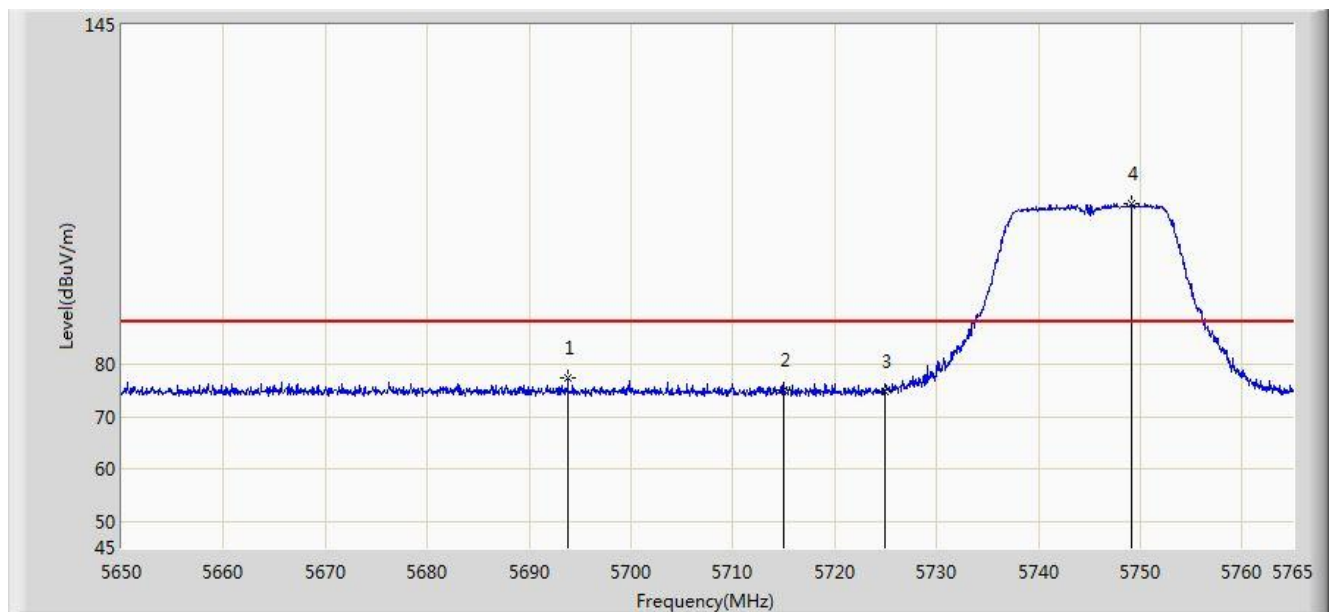
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5693.815	77.378	69.653	-10.822	88.200	7.726	PK
2			5715.000	75.063	67.291	-13.137	88.200	7.772	PK
3			5725.000	74.954	67.163	-23.246	98.200	7.791	PK
4		*	5749.187	110.769	102.927	N/A	N/A	7.842	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:12
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
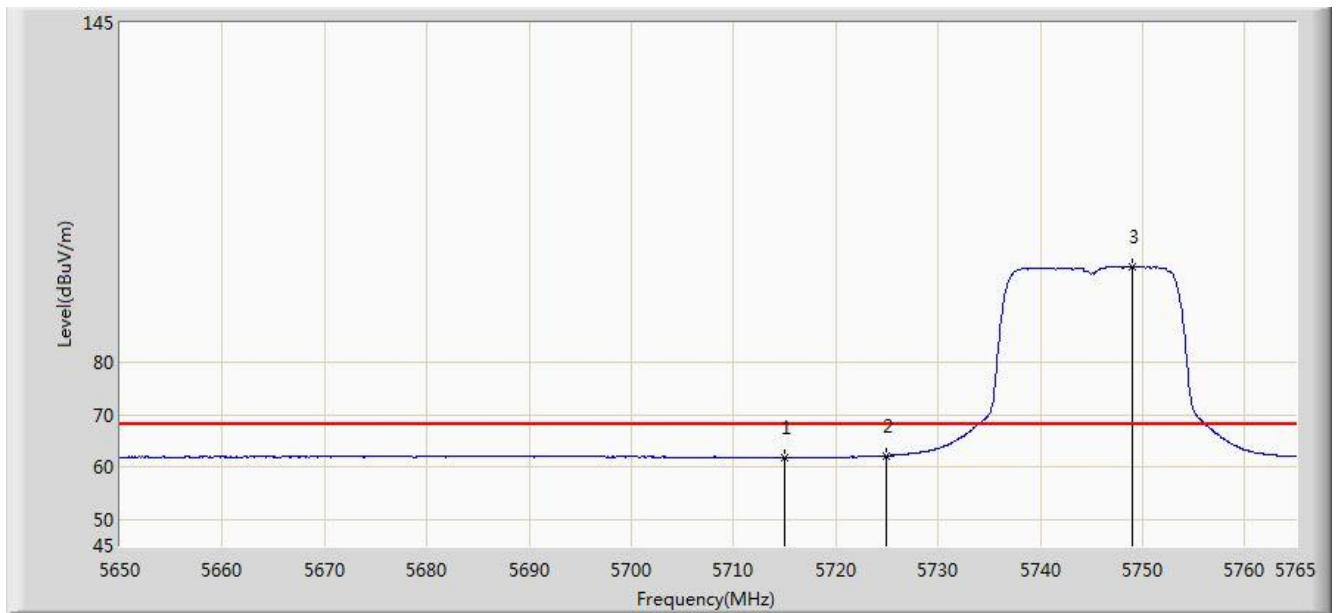
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.877	54.105	-6.323	68.200	7.772	AV
2			5725.000	62.202	54.411	-6.998	78.200	7.791	AV
3		*	5749.015	98.432	90.591	N/A	N/A	7.842	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:13
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
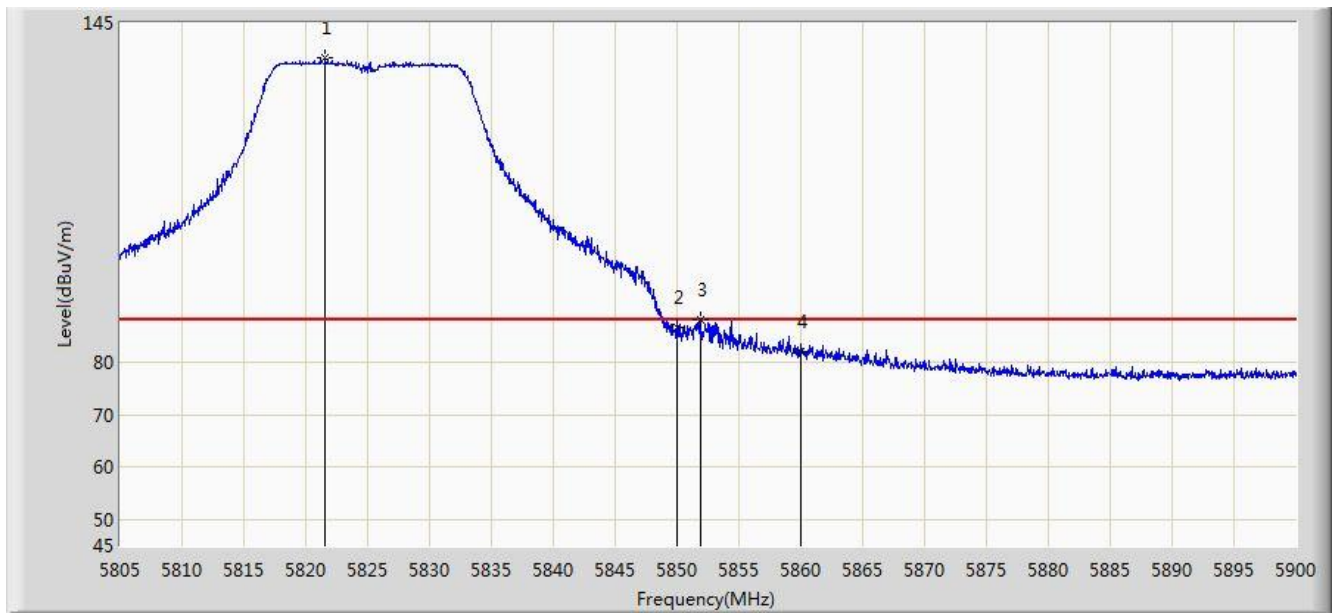
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.578	138.350	130.305	N/A	N/A	8.044	PK
2			5850.000	86.785	78.651	-1.415	98.200	8.134	PK
3			5851.882	88.065	79.921	-0.135	98.200	8.144	PK
4			5860.000	81.980	73.791	-6.220	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.627	125.019	116.975	N/A	N/A	8.044	AV
2			5850.000	71.104	62.970	-7.096	78.200	8.134	AV
3			5860.000	67.962	59.773	-0.238	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.245	112.542	104.498	N/A	N/A	8.044	PK
2			5850.000	74.824	66.690	-23.376	98.200	8.134	PK
3			5853.070	77.190	69.039	-21.010	98.200	8.151	PK
4			5860.000	75.143	66.954	-13.057	88.200	8.189	PK
5			5870.170	76.660	68.432	-11.540	88.200	8.228	PK

N Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:20
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
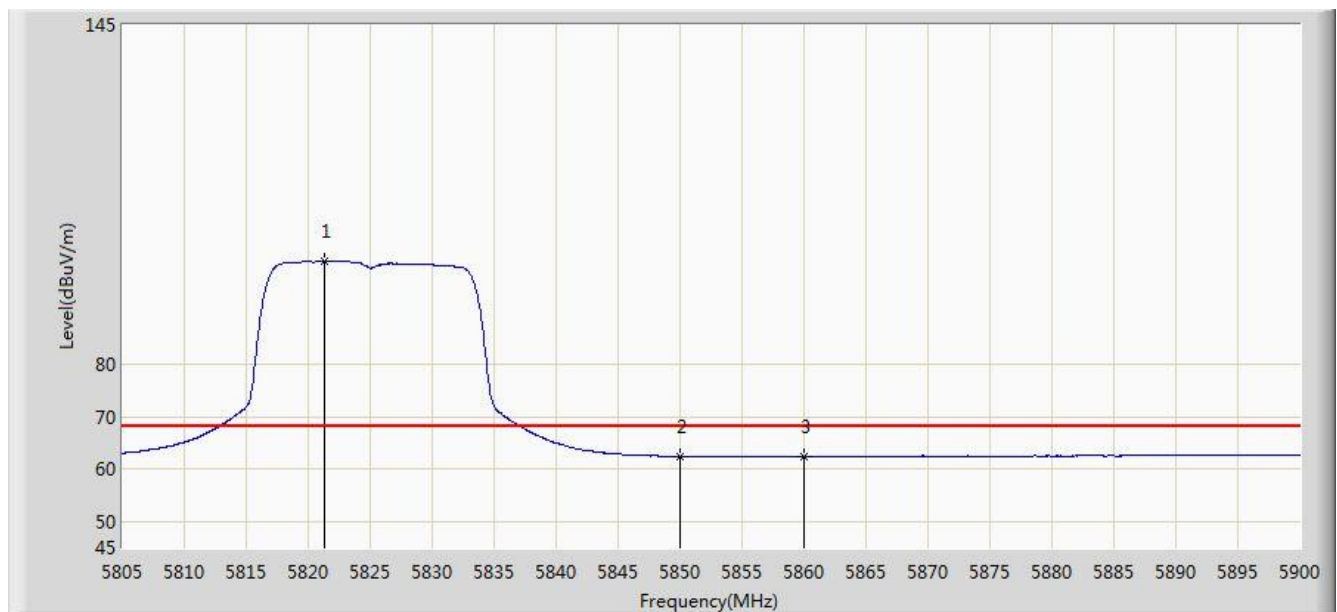
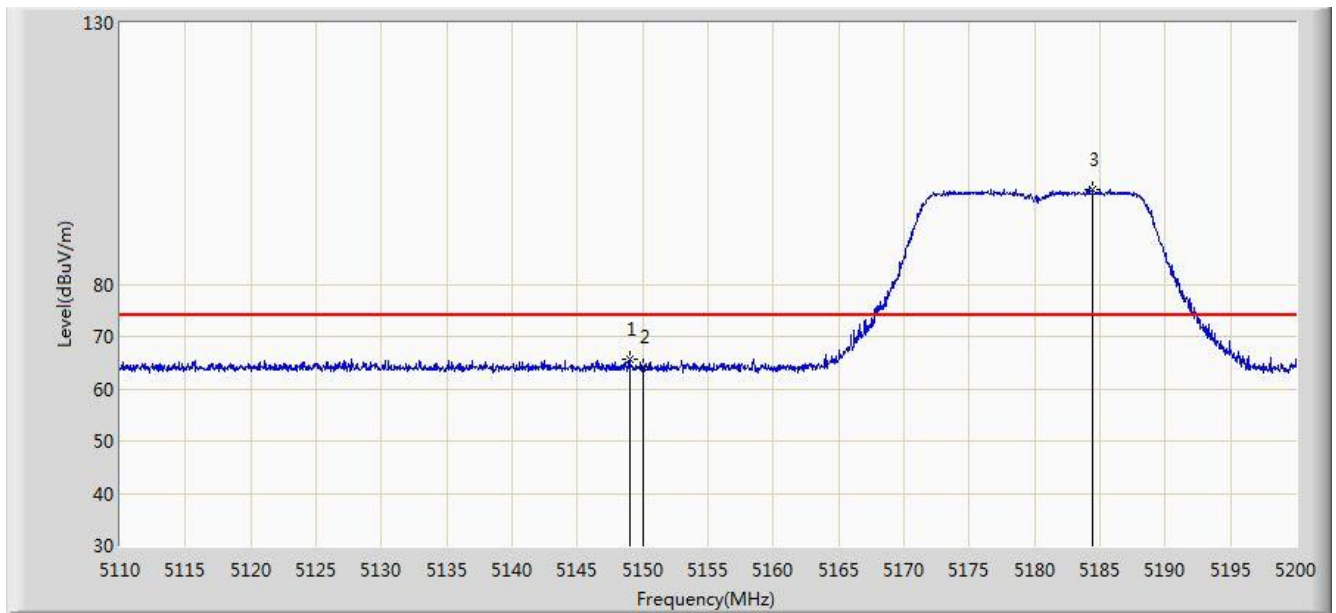| No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.340	99.753	91.708	N/A	N/A	8.044	AV
2			5850.000	62.418	54.284	-15.782	78.200	8.134	AV
3			5860.000	62.504	54.315	-5.696	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
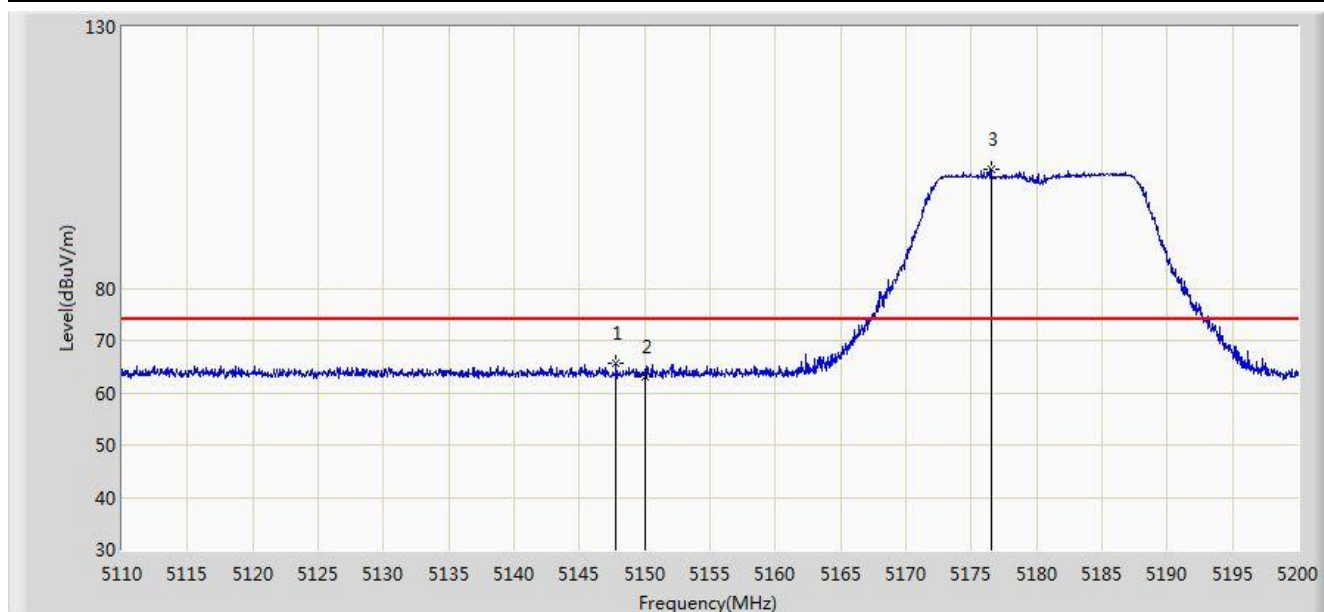
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	65.691	58.514	-8.309	74.000	7.177	PK
2			5150.000	63.140	55.964	-10.860	74.000	7.176	PK
3		*	5176.510	102.798	95.721	N/A	N/A	7.077	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.093	43.917	-2.907	54.000	7.176	AV
2		*	5185.375	90.345	83.325	N/A	N/A	7.020	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

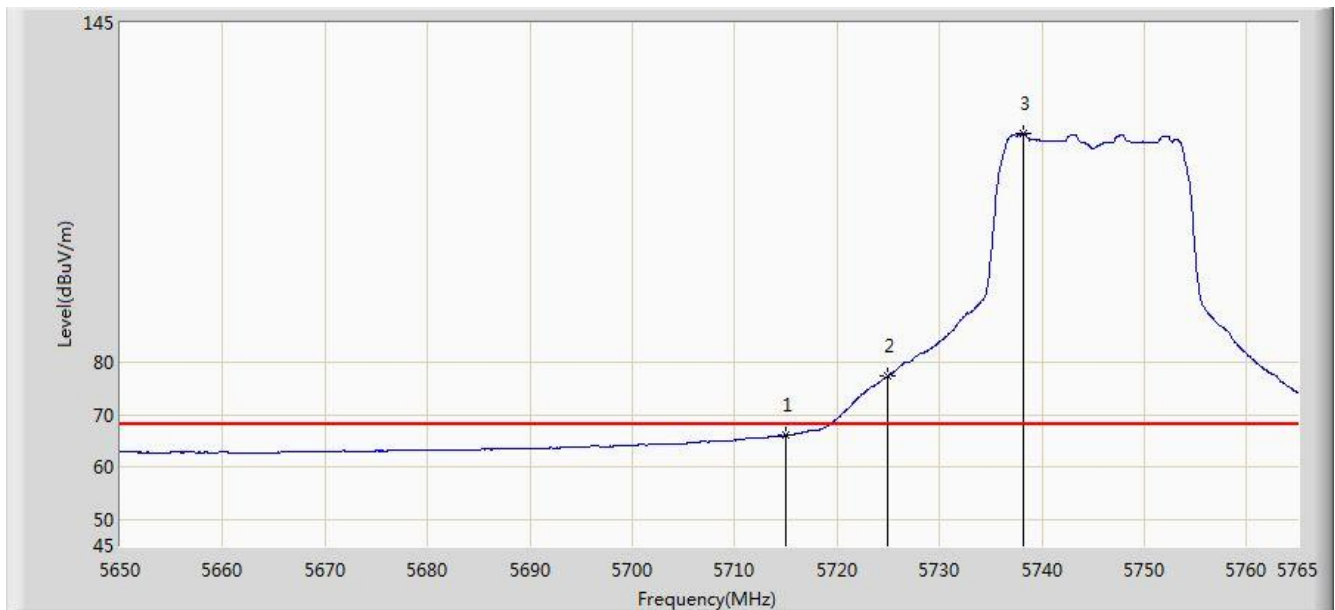| No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	72.809	65.632	-1.191	74.000	7.176	PK
2			5150.000	69.885	62.709	-4.115	74.000	7.176	PK
3		*	5176.240	124.386	117.307	N/A	N/A	7.079	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

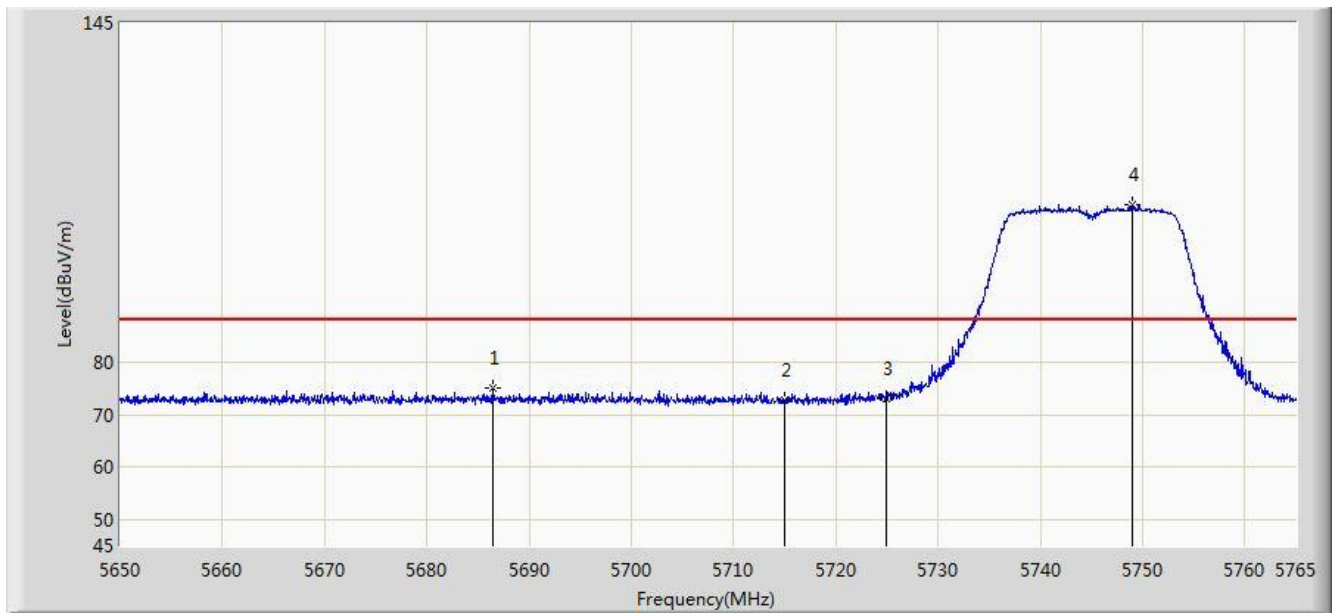| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
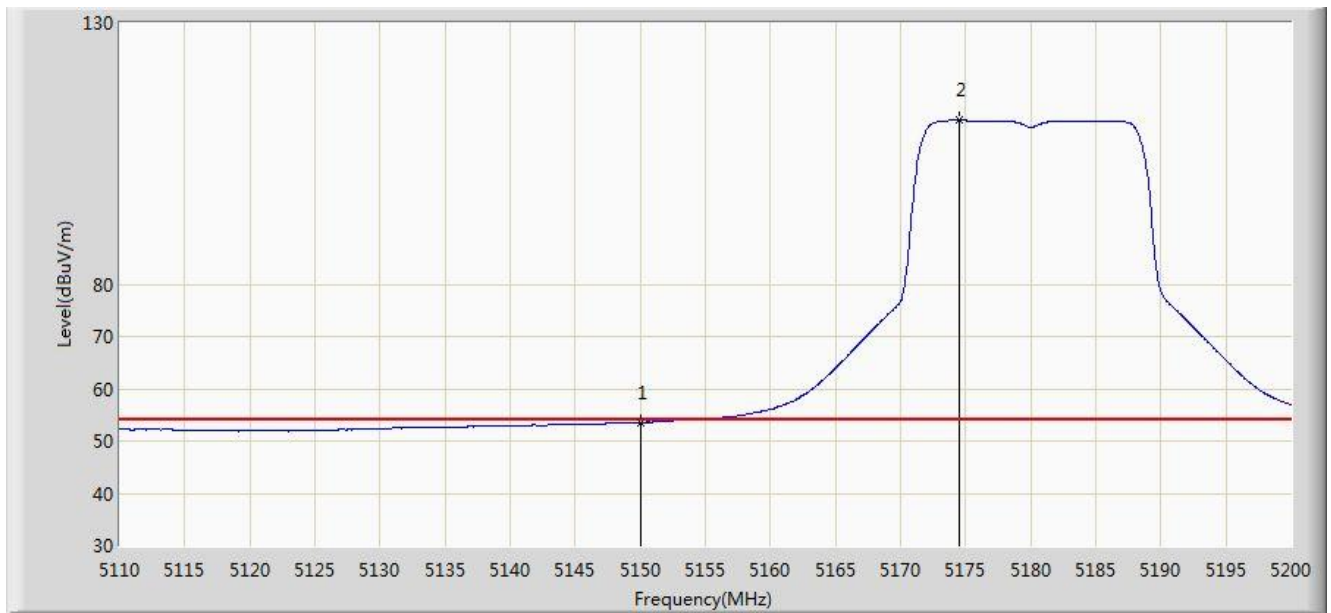
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.566	46.390	-0.434	54.000	7.176	AV
2		*	5174.485	111.322	104.231	N/A	N/A	7.091	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:34
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
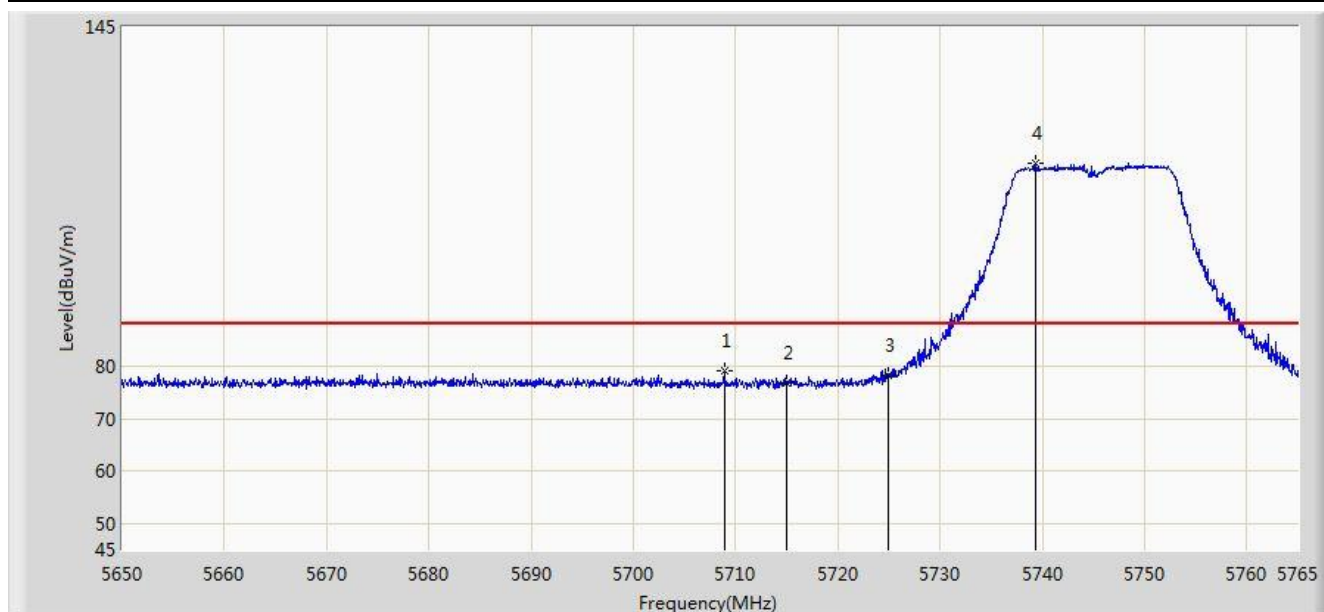
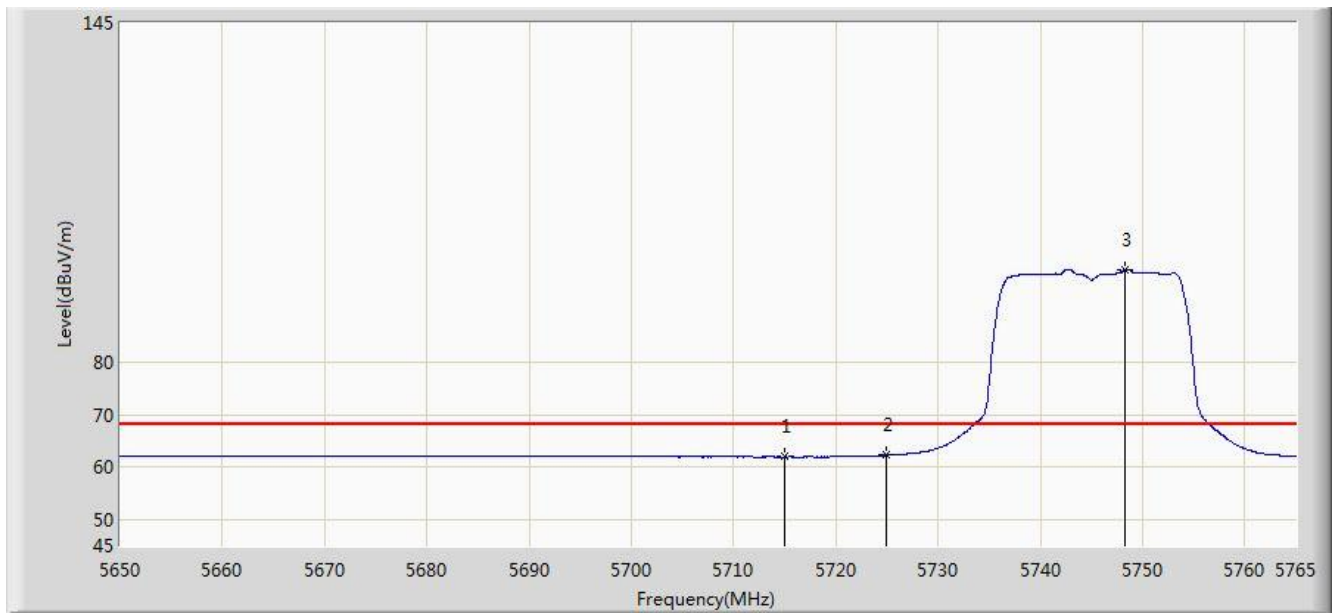

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5708.880	79.221	71.461	-8.979	88.200	7.760	PK
2			5715.000	77.004	69.232	-11.196	88.200	7.772	PK
3			5725.000	78.421	70.630	-19.779	98.200	7.791	PK
4		*	5739.297	118.940	111.118	N/A	N/A	7.821	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:35
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
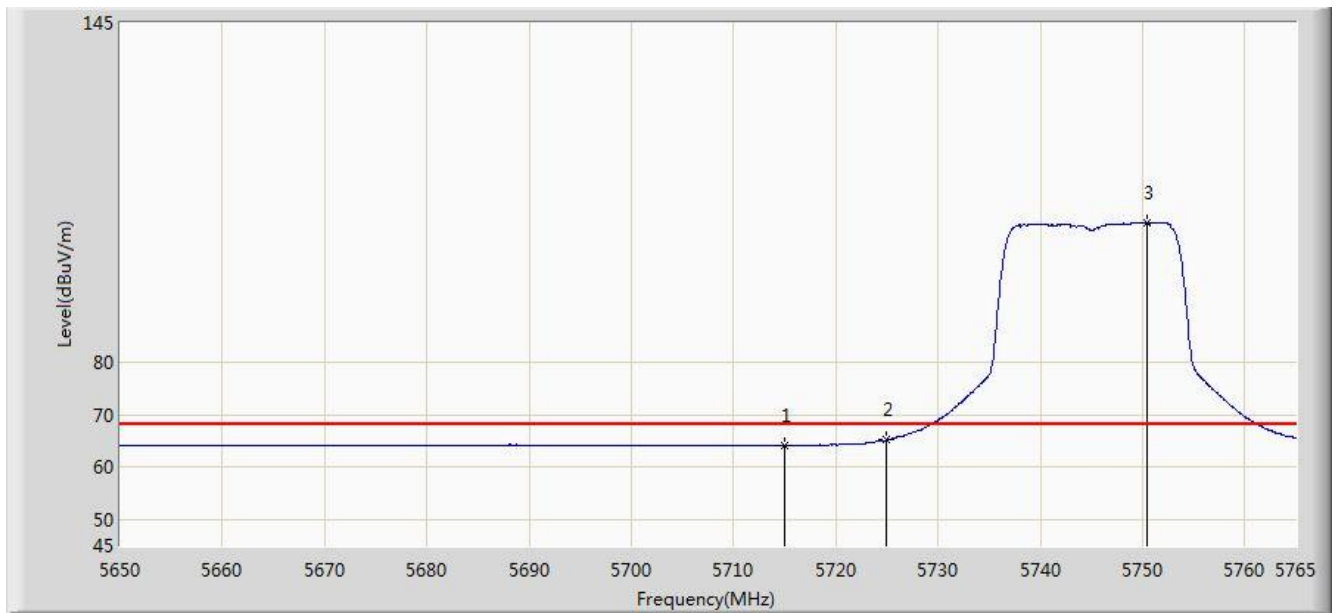
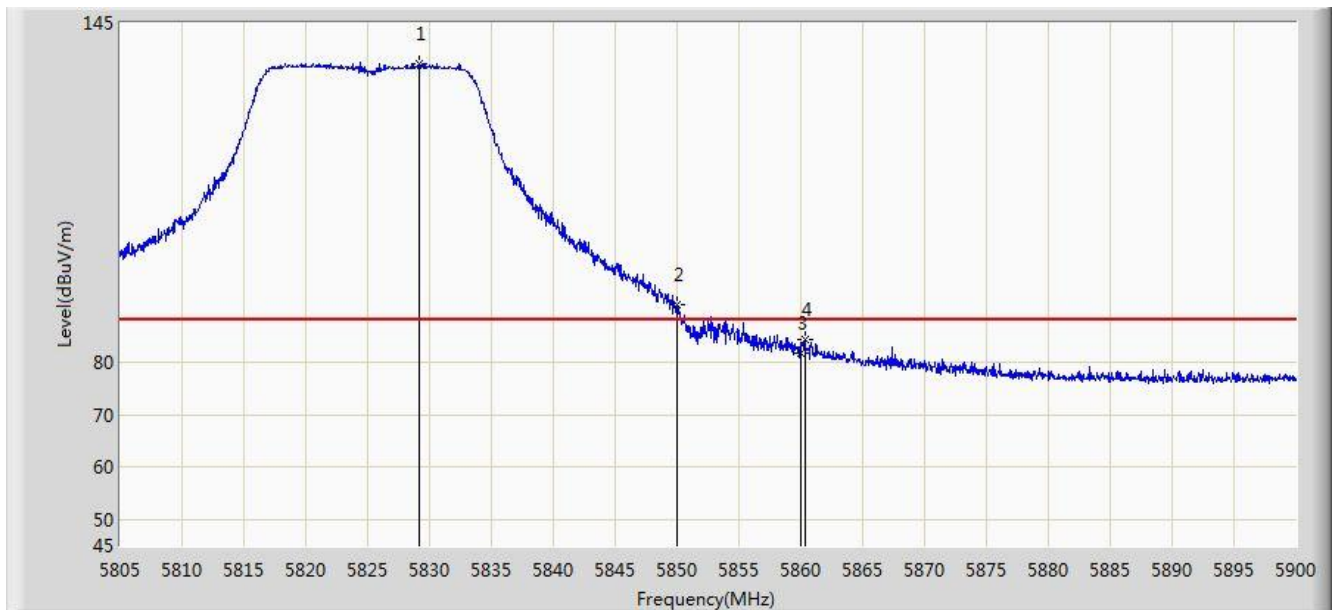

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.206	56.434	-3.994	68.200	7.772	AV
2			5725.000	65.215	57.424	-12.985	78.200	7.791	AV
3		*	5750.453	106.838	98.994	N/A	N/A	7.844	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:02
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
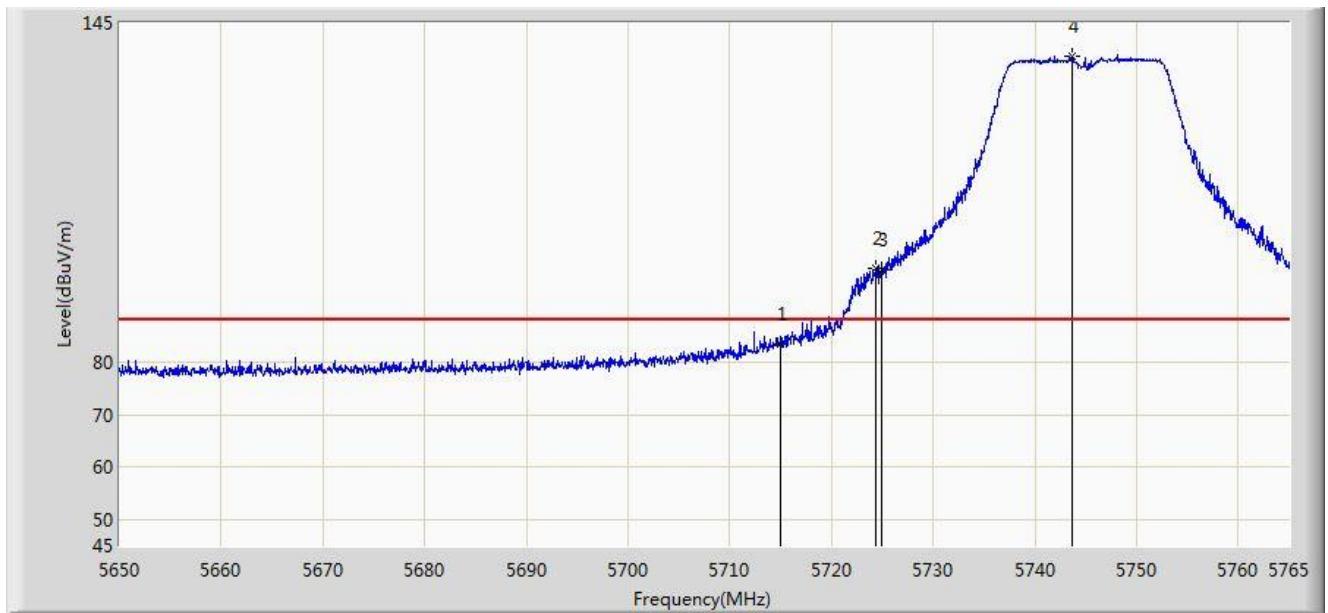
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	83.609	75.837	-4.591	88.200	7.772	PK
2			5724.405	98.025	90.235	-0.175	98.200	7.790	PK
3			5725.000	97.808	90.017	-0.392	98.200	7.791	PK
4		*	5743.725	138.664	130.834	N/A	N/A	7.830	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:03
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
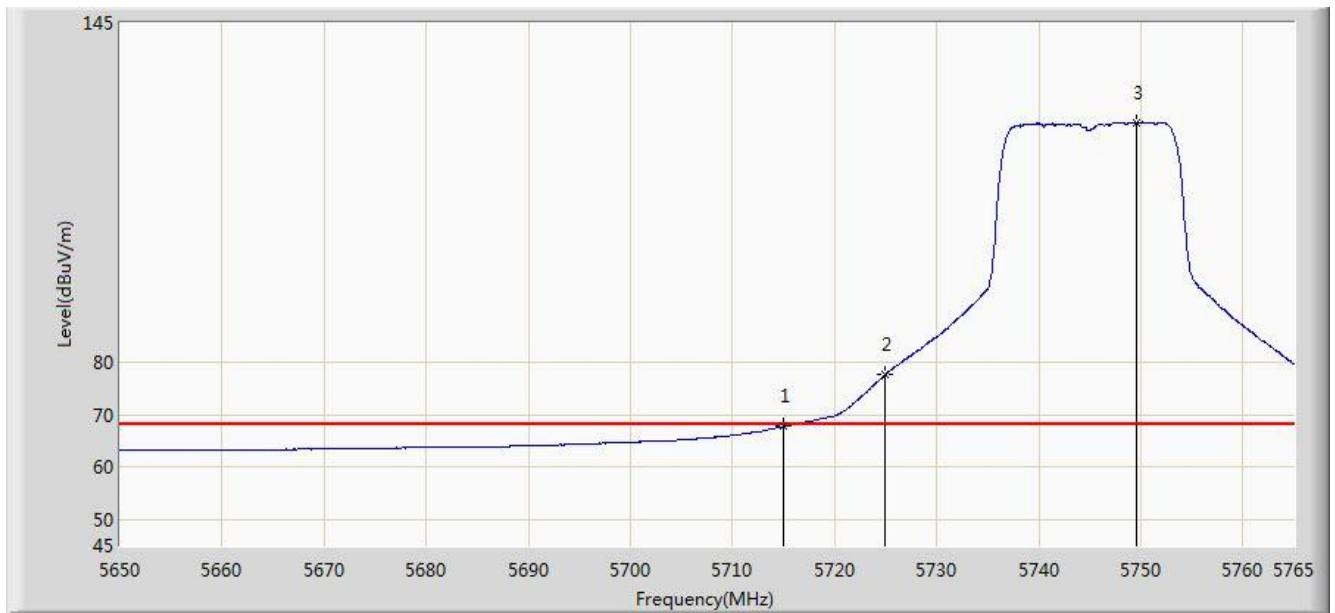
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.778	60.006	-0.422	68.200	7.772	AV
2			5725.000	77.760	69.969	-0.440	78.200	7.791	AV
3		*	5749.533	125.938	118.095	N/A	N/A	7.843	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|		
Engineer: Milo Li		
Site: AC1		Time: 2014/09/25 - 11:05
Limit: FCC_15.407_RE(3m)		Margin: 0
Probe: BBHA9120D_1-18GHz		Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER		Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1		
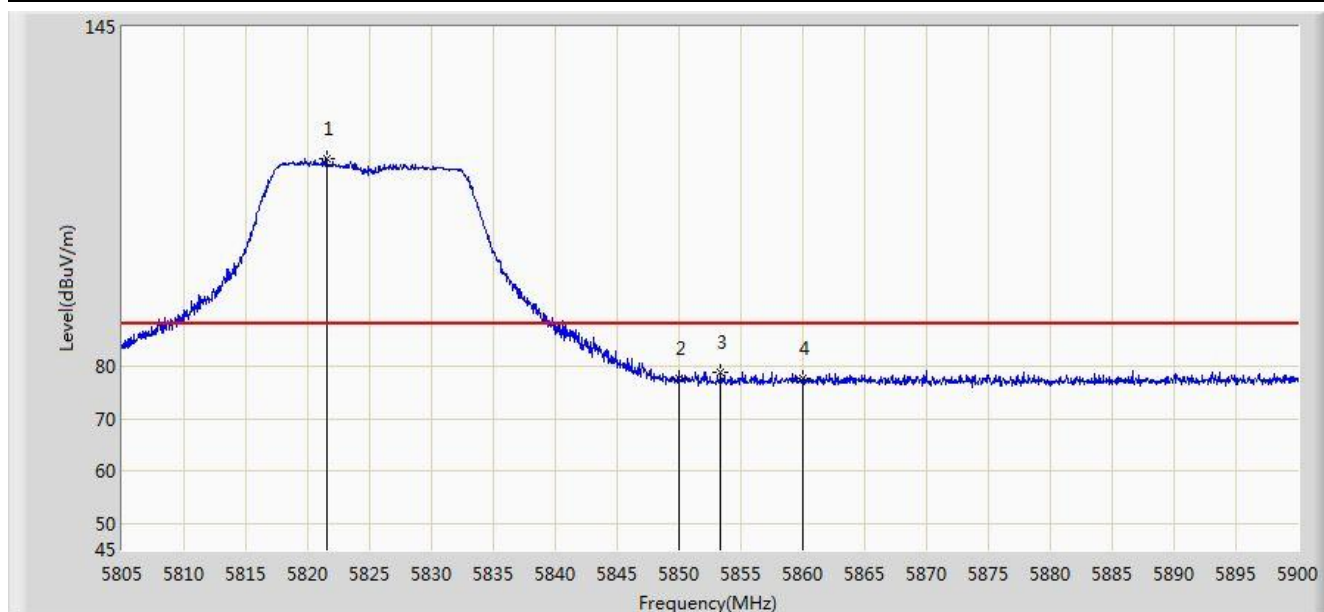
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.530	119.830	111.785	N/A	N/A	8.045	PK
2			5850.000	77.649	69.515	-20.551	98.200	8.134	PK
3			5853.355	79.029	70.877	-19.171	98.200	8.153	PK
4			5860.000	77.648	69.459	-10.552	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:06
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	
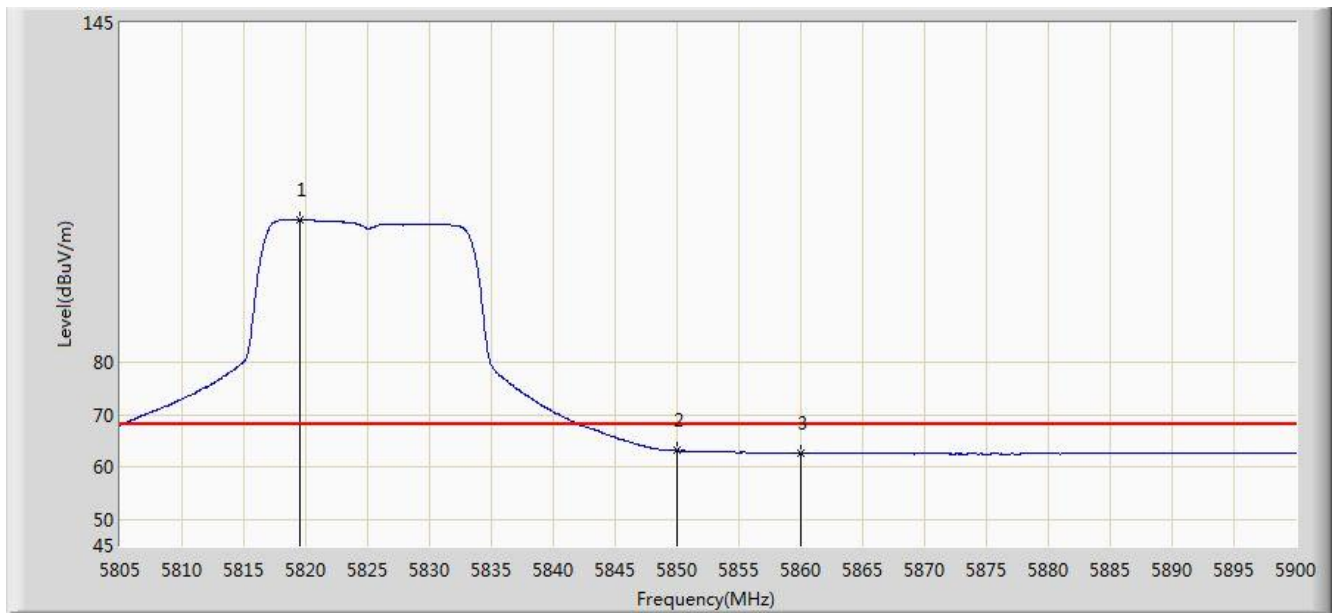
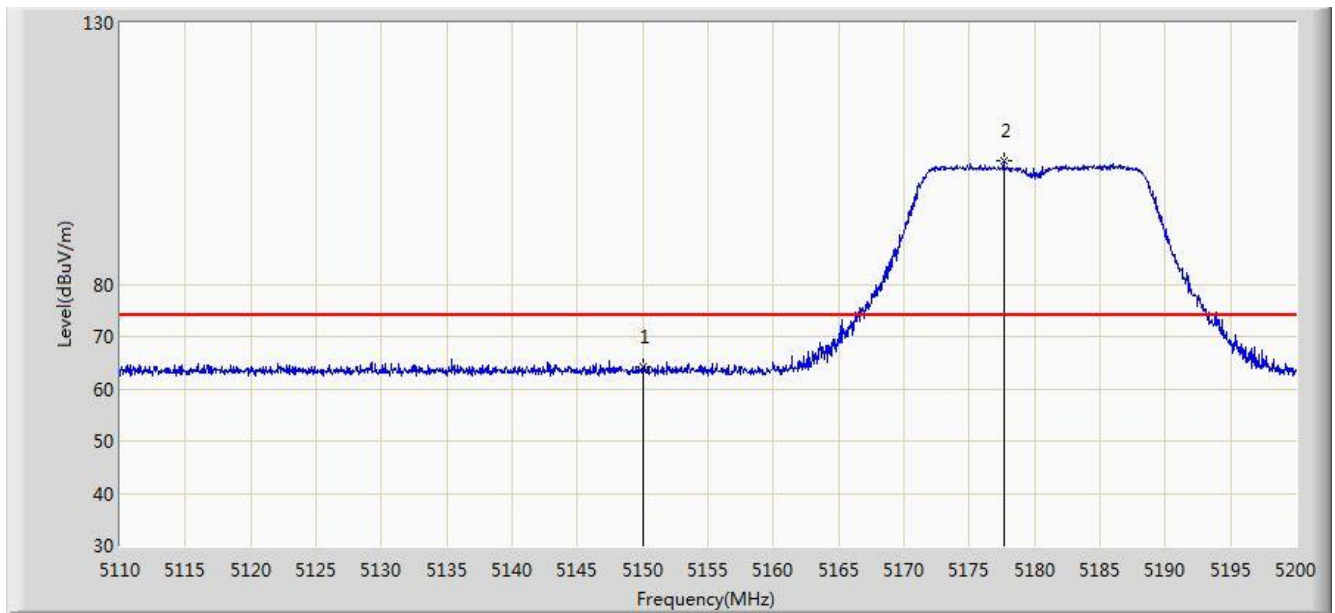

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.583	107.386	99.344	N/A	N/A	8.042	AV
2			5850.000	63.146	55.012	-15.054	78.200	8.134	AV
3			5860.000	62.675	54.486	-5.525	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

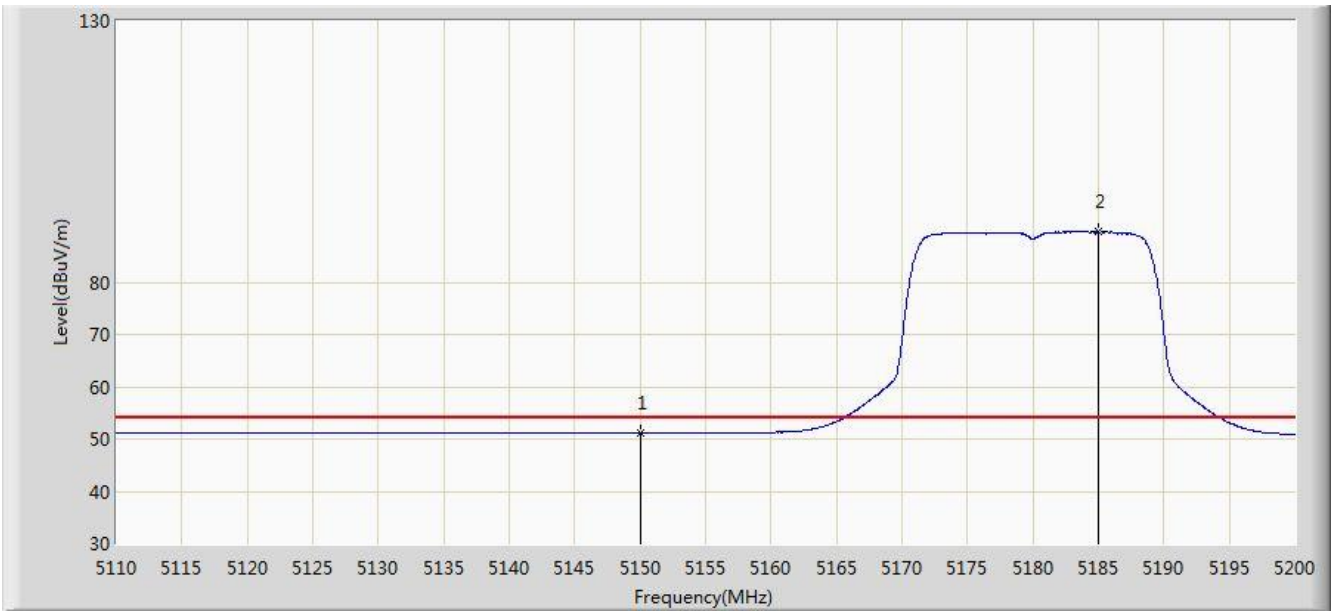| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:07
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	
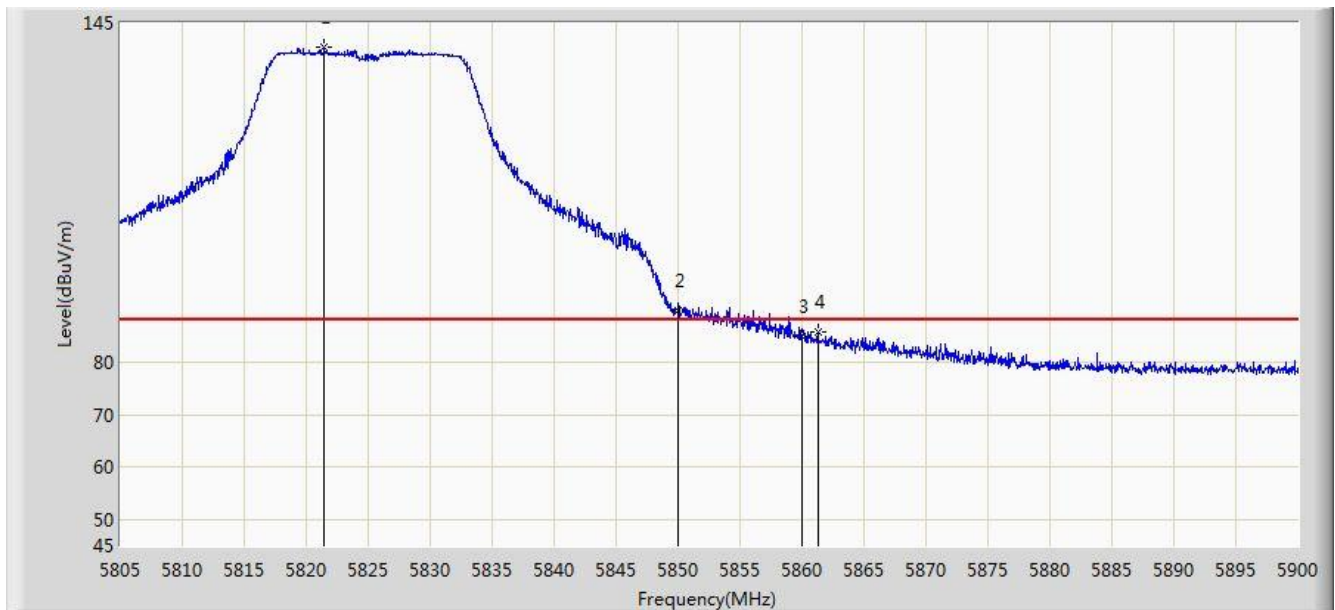
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	140.382	132.337	N/A	N/A	8.045	PK
2			5850.000	90.047	81.913	-8.153	98.200	8.134	PK
3			5860.000	84.940	76.751	-3.260	88.200	8.189	PK
4			5861.288	85.851	77.655	-2.349	88.200	8.196	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:14
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	
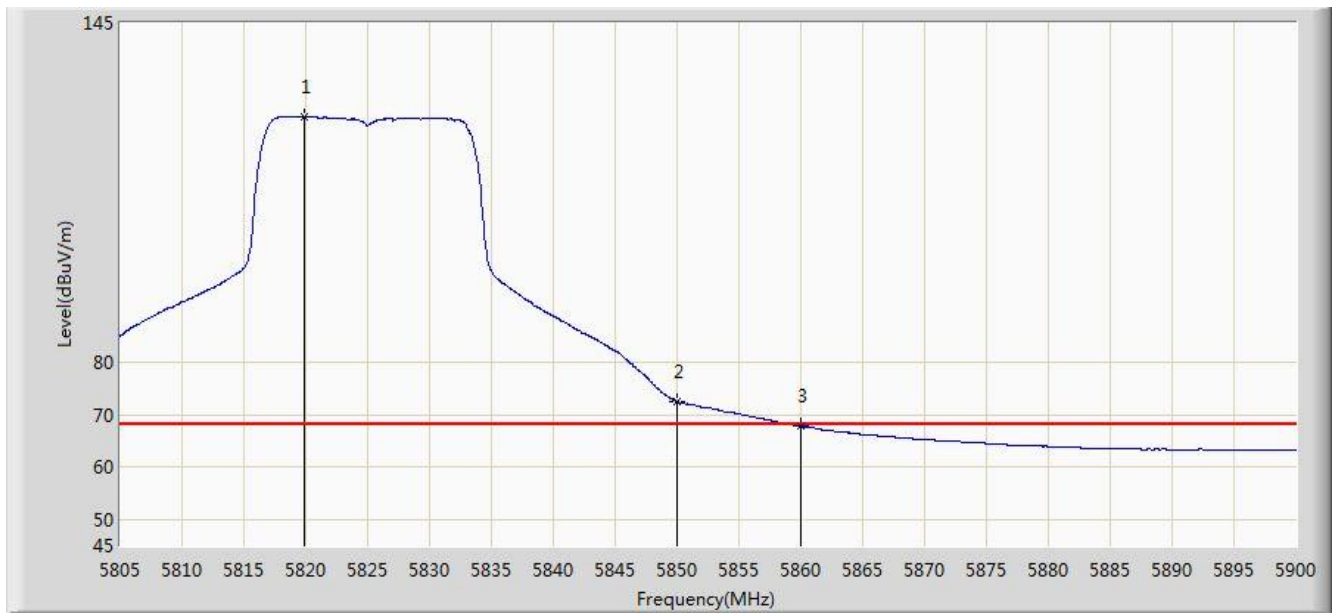
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.868	127.091	119.048	N/A	N/A	8.043	AV
2			5850.000	72.613	64.479	-5.587	78.200	8.134	AV
3			5860.000	67.827	59.638	-0.373	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

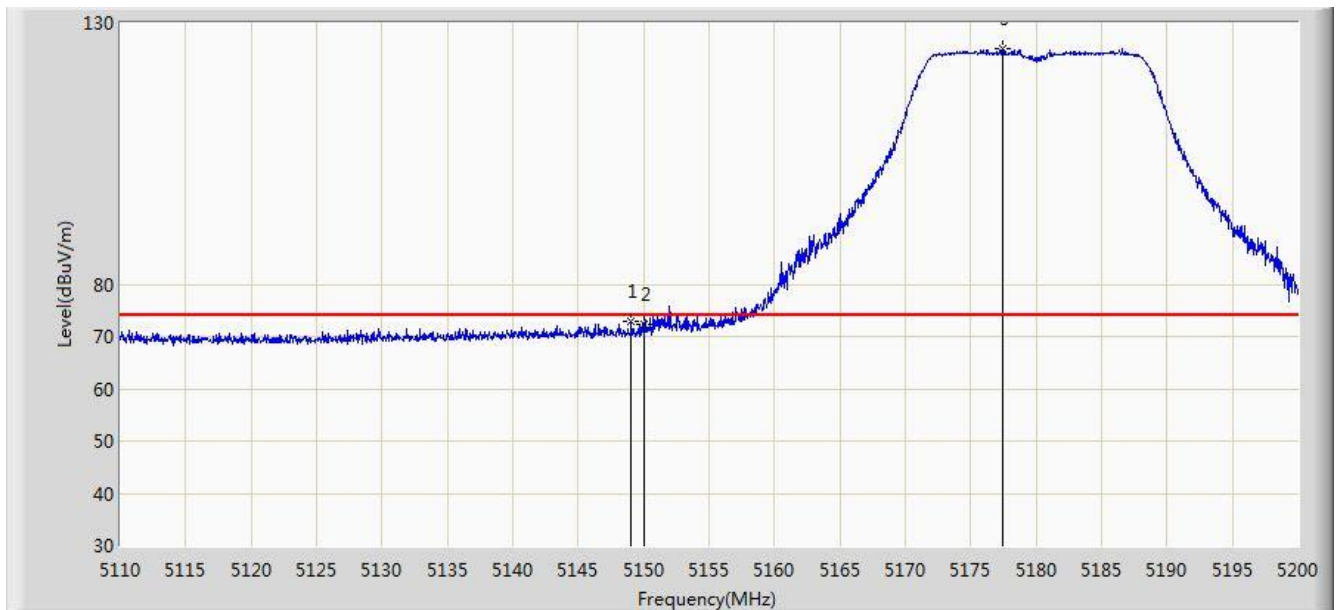| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
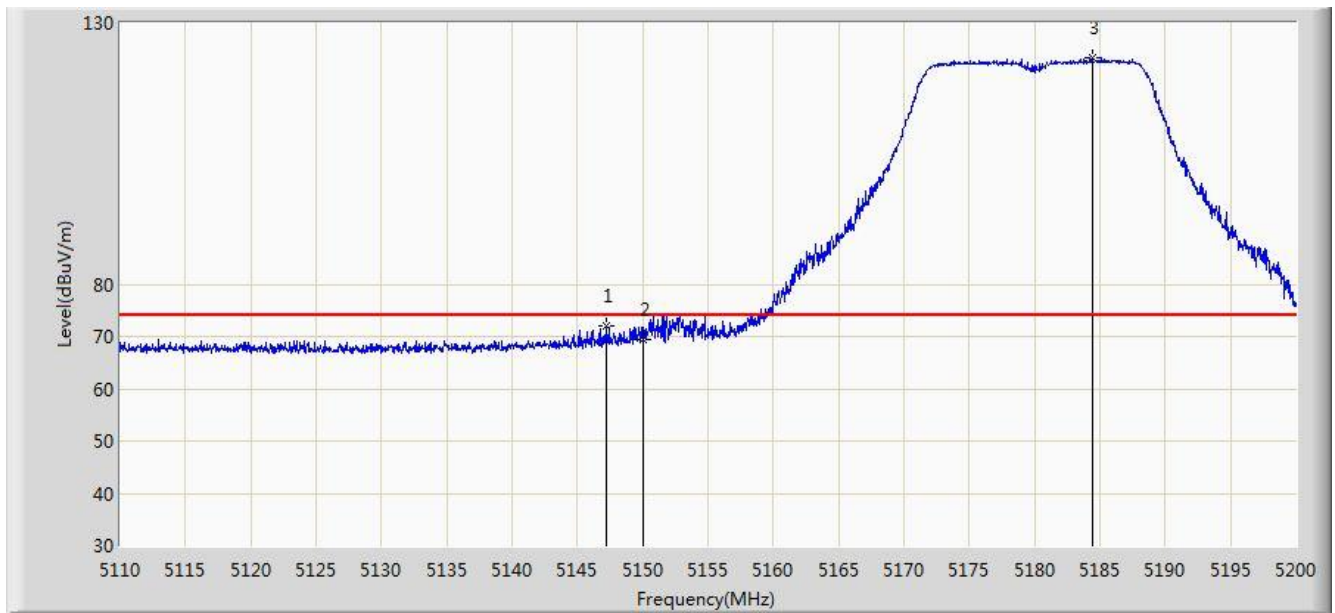
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.260	71.959	64.782	-2.041	74.000	7.177	PK
2			5150.000	69.327	62.151	-4.673	74.000	7.176	PK
3		*	5184.430	123.411	116.385	N/A	N/A	7.027	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
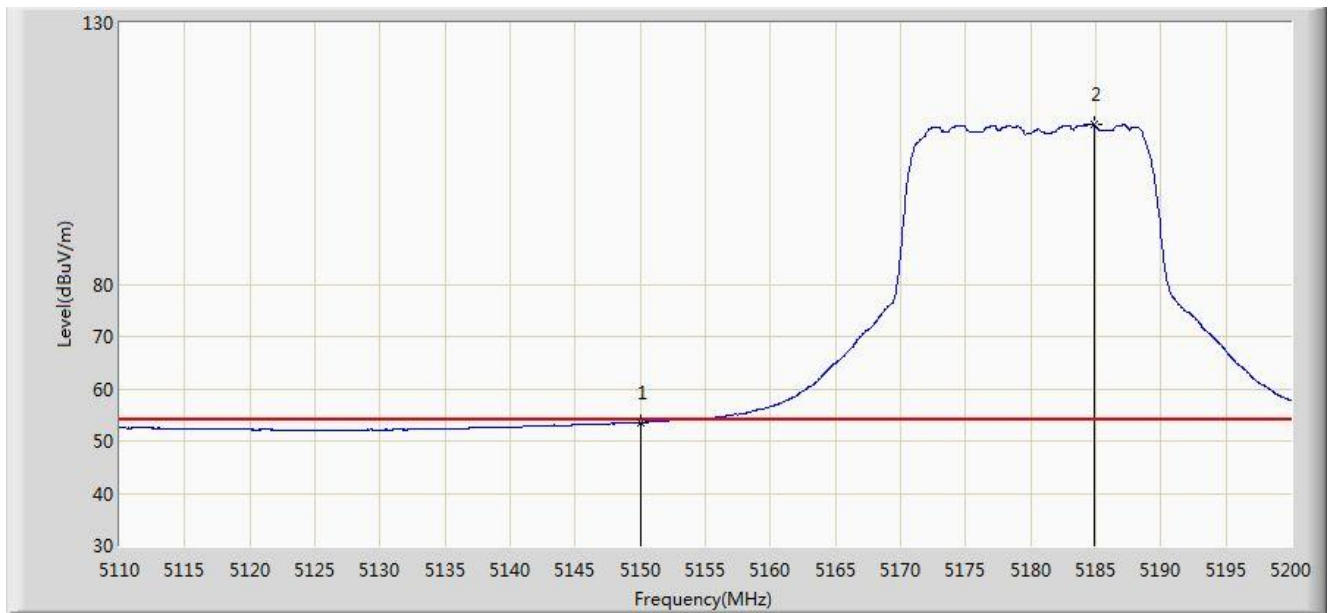
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.527	46.351	-0.473	54.000	7.176	AV
2		*	5184.835	110.553	103.529	N/A	N/A	7.023	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.970	65.634	58.457	-8.366	74.000	7.176	PK
2			5150.000	64.264	57.088	-9.736	74.000	7.176	PK
3		*	5184.430	98.201	91.175	N/A	N/A	7.027	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
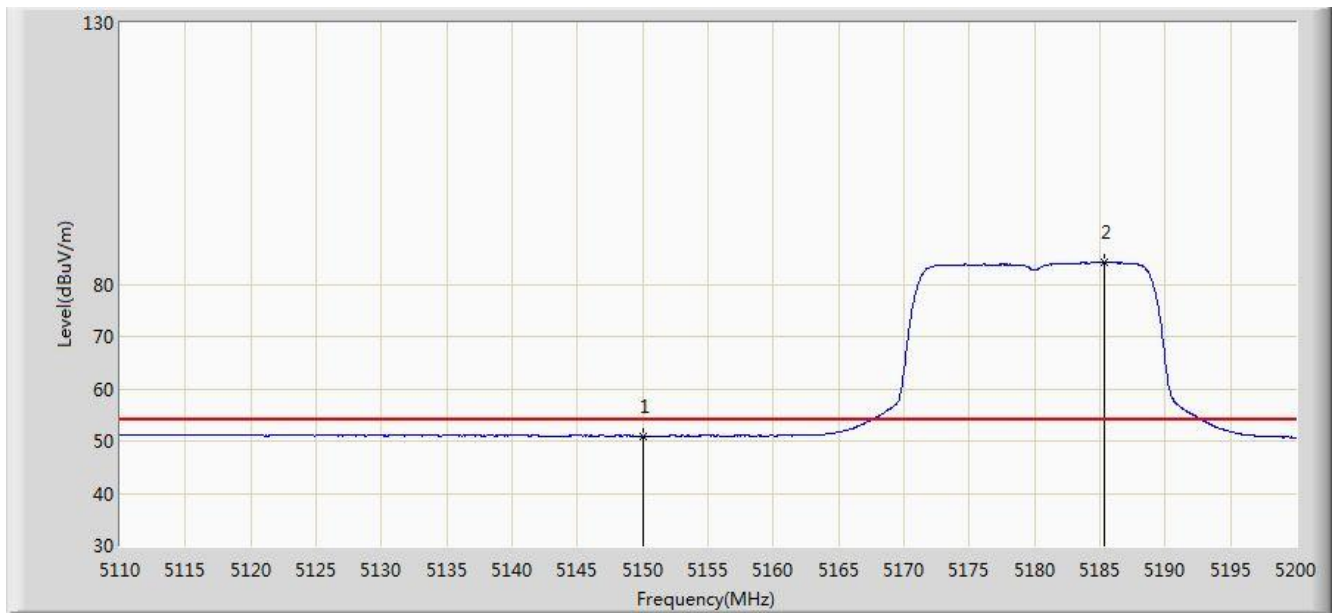
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.954	43.778	-3.046	54.000	7.176	AV
2		*	5185.375	84.198	77.178	N/A	N/A	7.020	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:41
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	
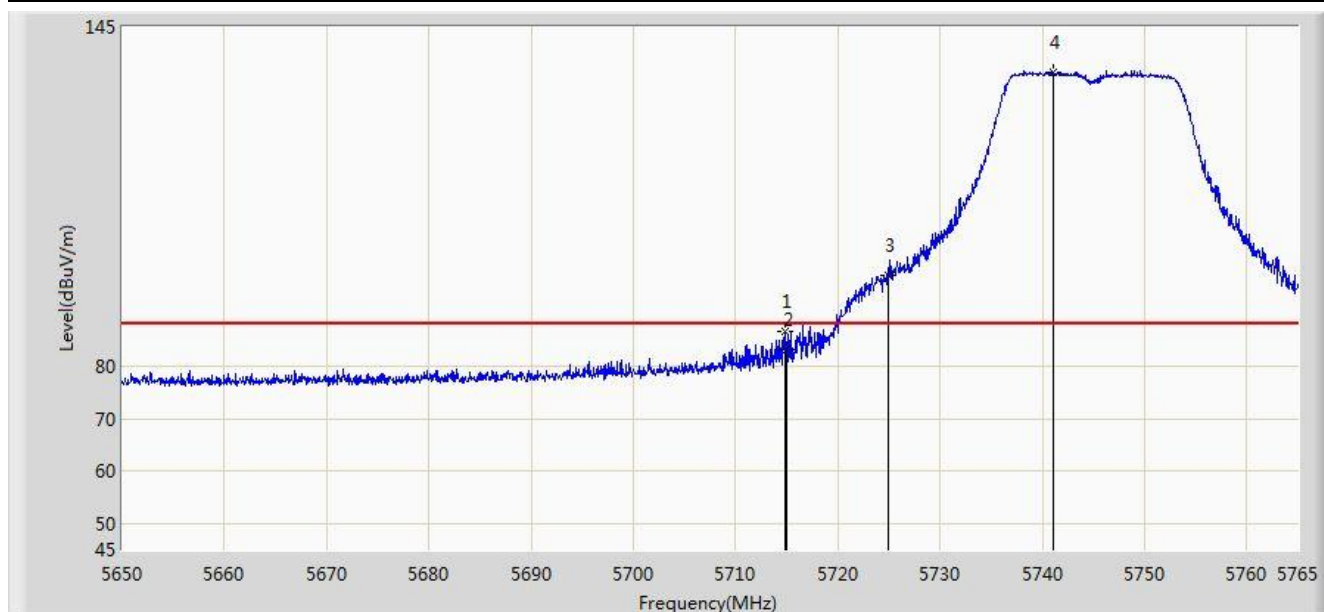
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.917	86.806	79.035	-1.394	88.200	7.771	PK
2			5715.000	83.168	75.396	-5.032	88.200	7.772	PK
3			5725.000	97.587	89.796	-0.613	98.200	7.791	PK
4		*	5741.138	136.188	128.362	N/A	N/A	7.826	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.051	58.279	-2.149	68.200	7.772	AV
2		*	5725.000	77.469	69.678	-0.731	78.200	7.791	AV
3		*	5739.700	124.494	116.672	56.294	68.200	7.822	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

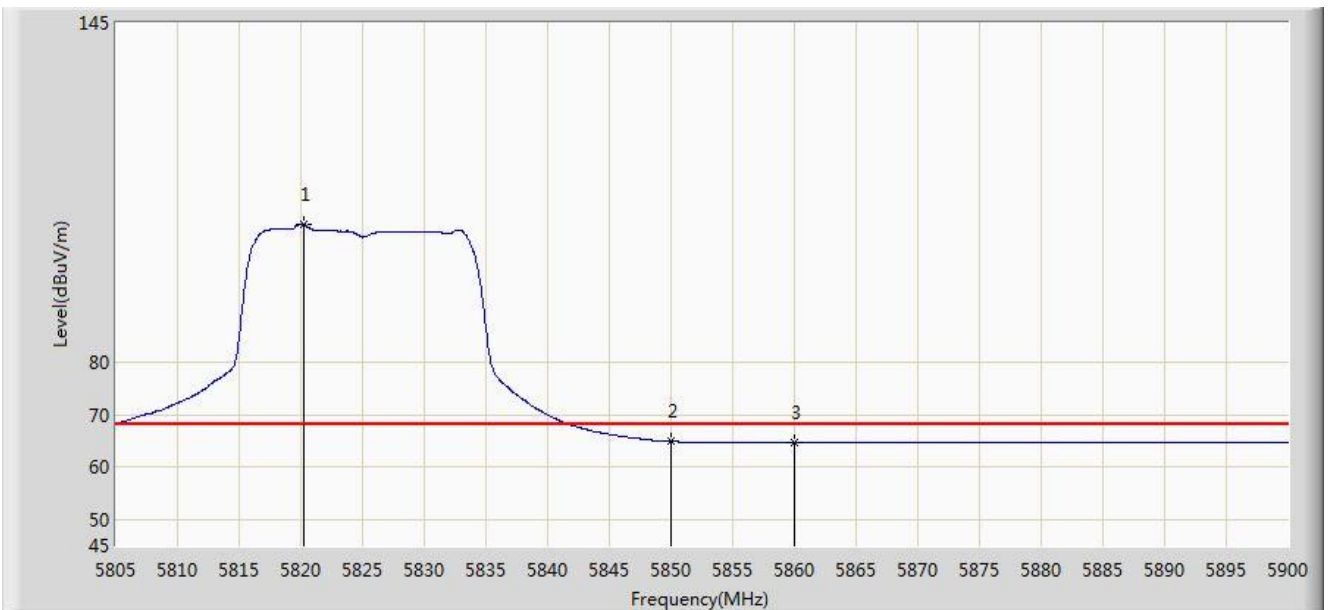| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5686.397	75.024	67.317	-13.176	88.200	7.707	PK
2			5715.000	72.747	64.975	-15.453	88.200	7.772	PK
3			5725.000	73.142	65.351	-25.058	98.200	7.791	PK
4		*	5748.958	110.087	102.246	N/A	N/A	7.842	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

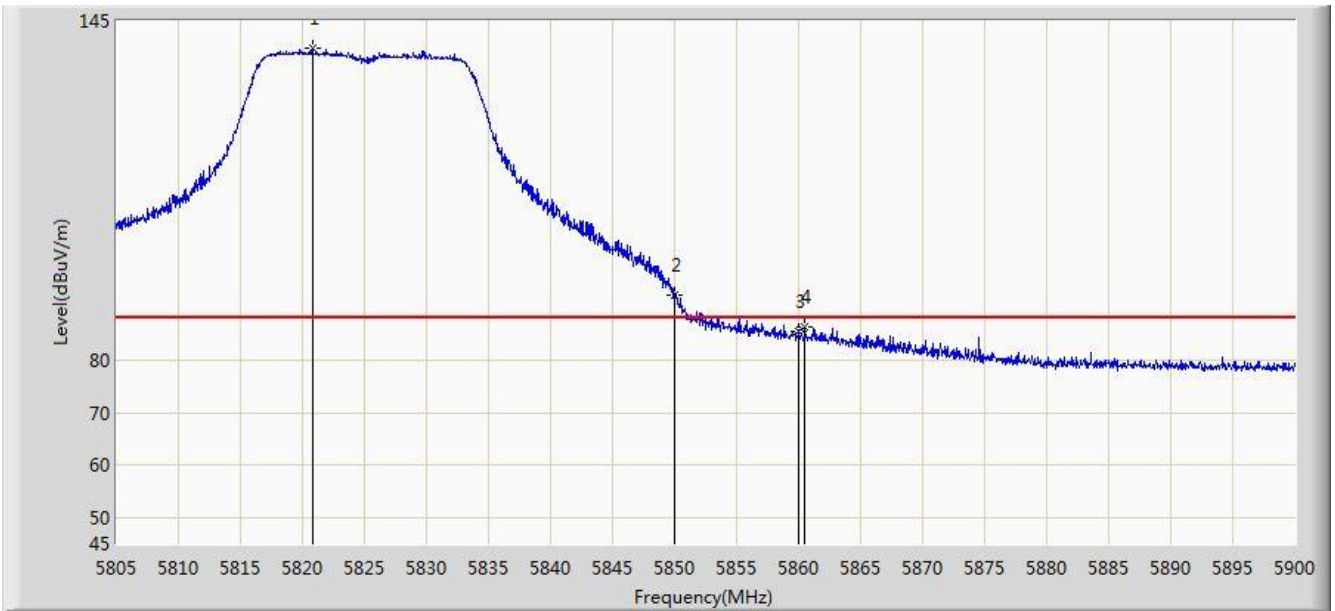| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.958	54.186	-6.242	68.200	7.772	AV
2			5725.000	62.285	54.494	-15.915	78.200	7.791	AV
3		*	5748.325	97.813	89.973	N/A	N/A	7.840	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:47
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.130	137.083	129.024	N/A	N/A	8.059	PK
2			5850.000	90.997	82.863	-7.203	98.200	8.134	PK
3			5860.000	81.934	73.745	-6.266	88.200	8.189	PK
4			5860.337	84.359	76.168	-3.841	88.200	8.191	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:50
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
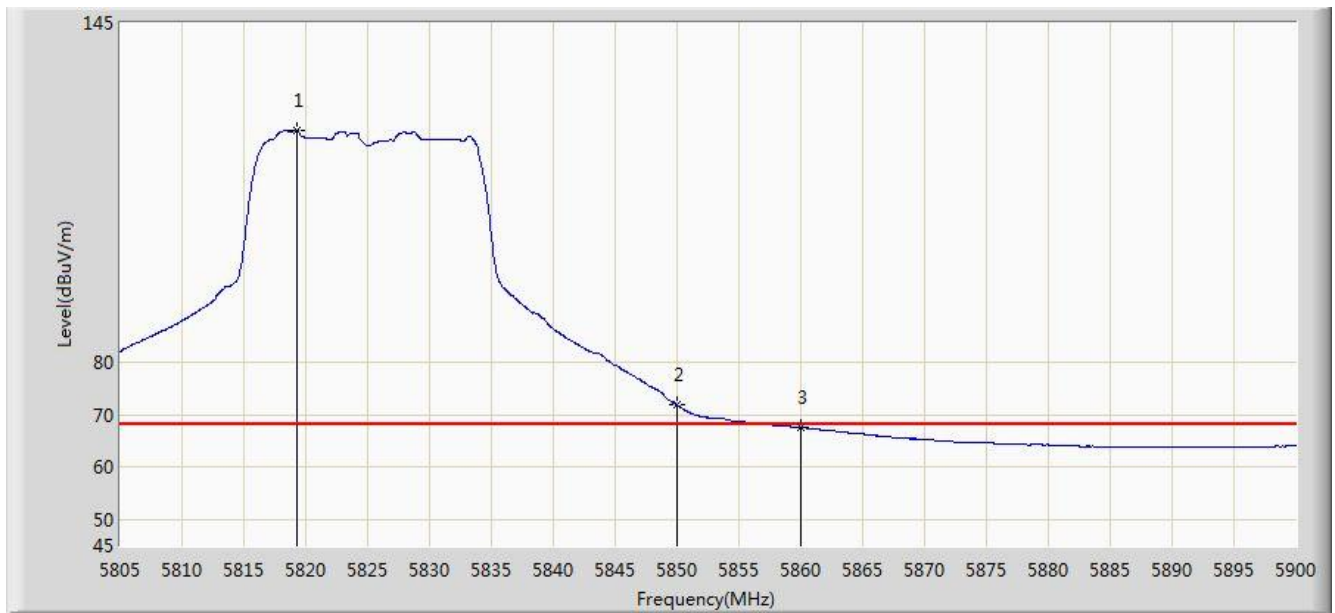
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	124.399	116.358	N/A	N/A	8.042	AV
2			5850.000	71.825	63.691	-6.375	78.200	8.134	AV
3			5860.000	67.591	59.402	-0.609	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
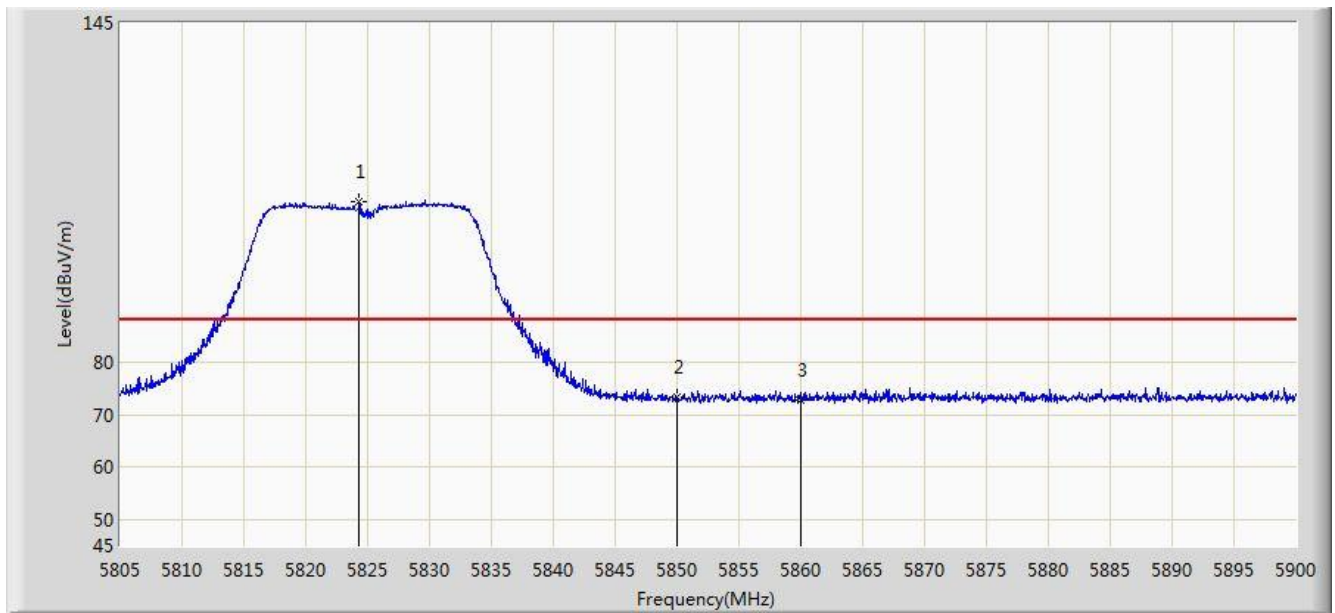
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.333	110.803	102.754	N/A	N/A	8.049	PK
2			5850.000	73.457	65.323	-24.743	98.200	8.134	PK
3			5860.000	72.751	64.562	-15.449	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:52
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
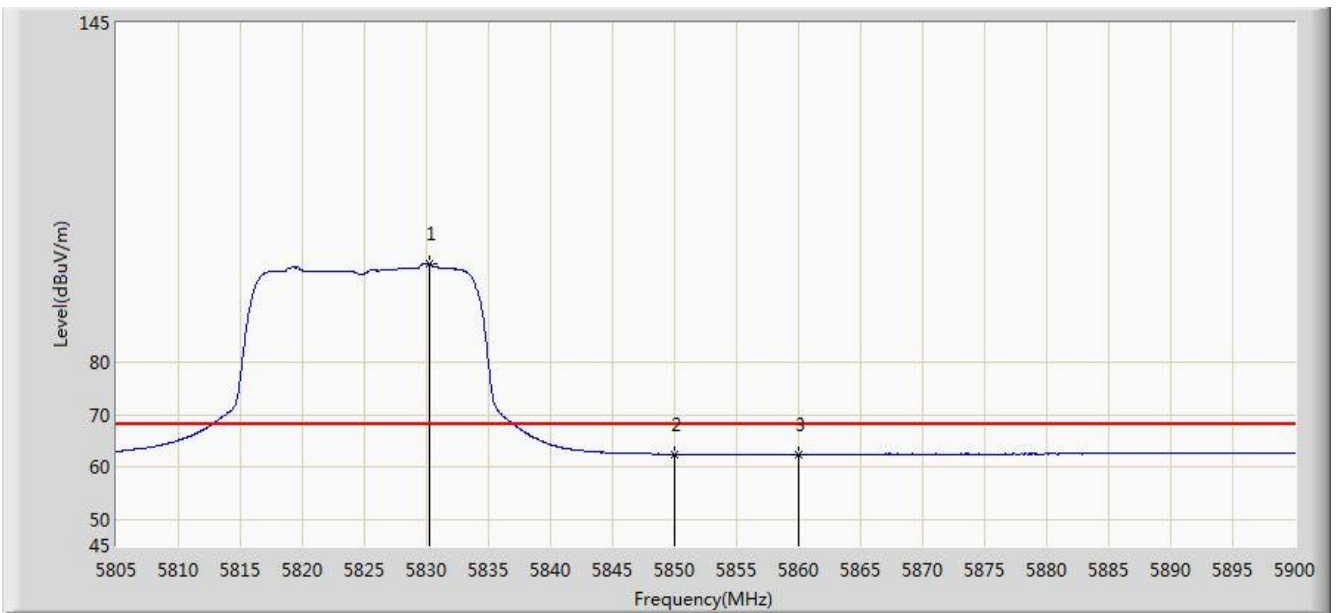
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.223	98.907	90.845	N/A	N/A	8.062	AV
2			5850.000	62.483	54.349	-15.717	78.200	8.134	AV
3			5860.000	62.516	54.327	-5.684	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.103	56.927	-9.897	74.000	7.176	PK
2		*	5177.635	103.589	96.519	N/A	N/A	7.070	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1 TP=12	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.108	43.932	-2.892	54.000	7.176	AV
2		*	5184.970	89.637	82.614	N/A	N/A	7.023	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.060	72.845	65.668	-1.155	74.000	7.176	PK
2			5150.000	72.320	65.144	-1.680	74.000	7.176	PK
3		*	5177.455	125.194	118.123	N/A	N/A	7.072	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 12:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	
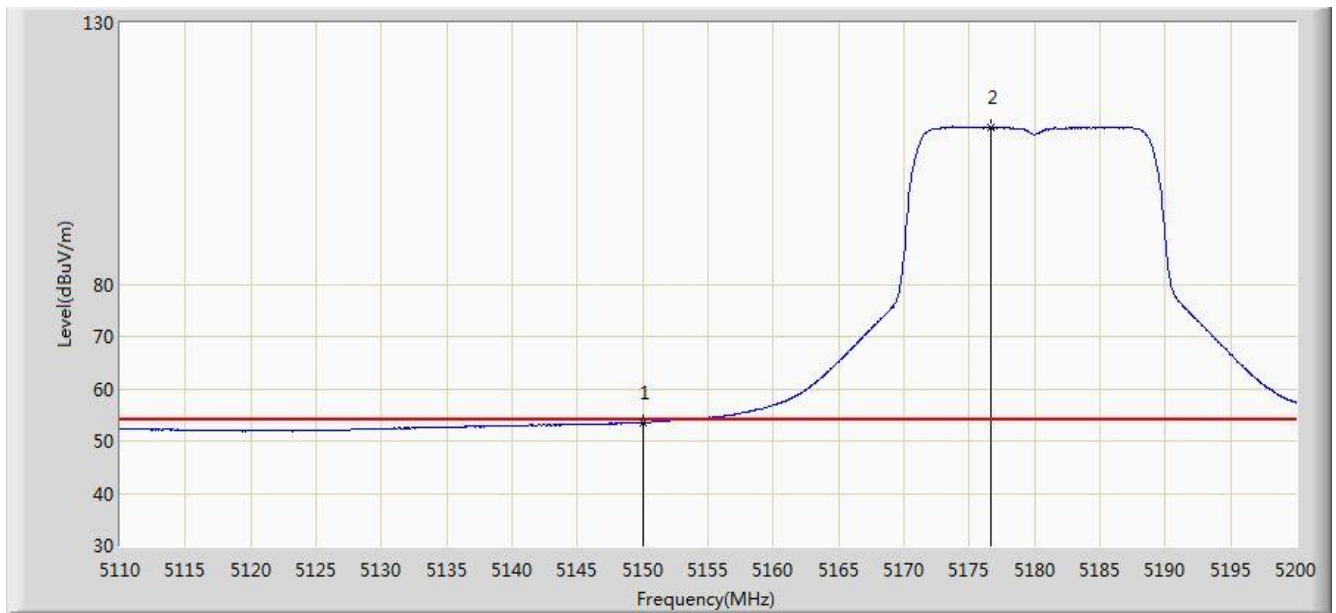
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.545	46.369	-0.455	54.000	7.176	AV
2		*	5176.600	109.988	102.912	N/A	N/A	7.076	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:10
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
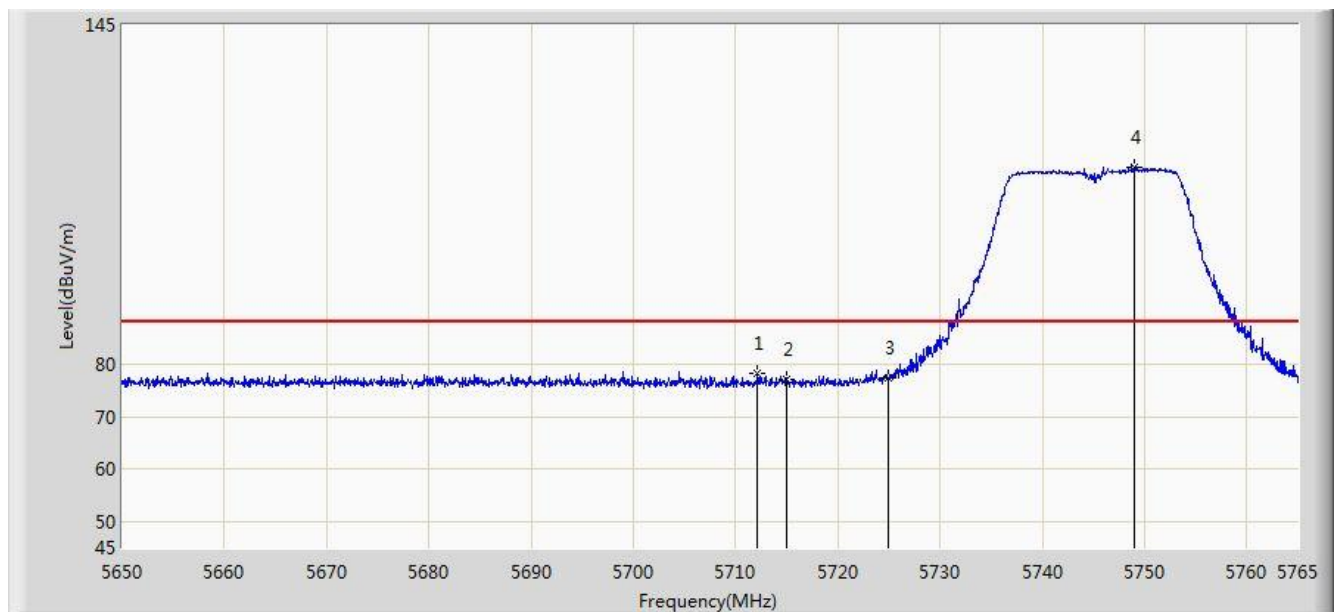
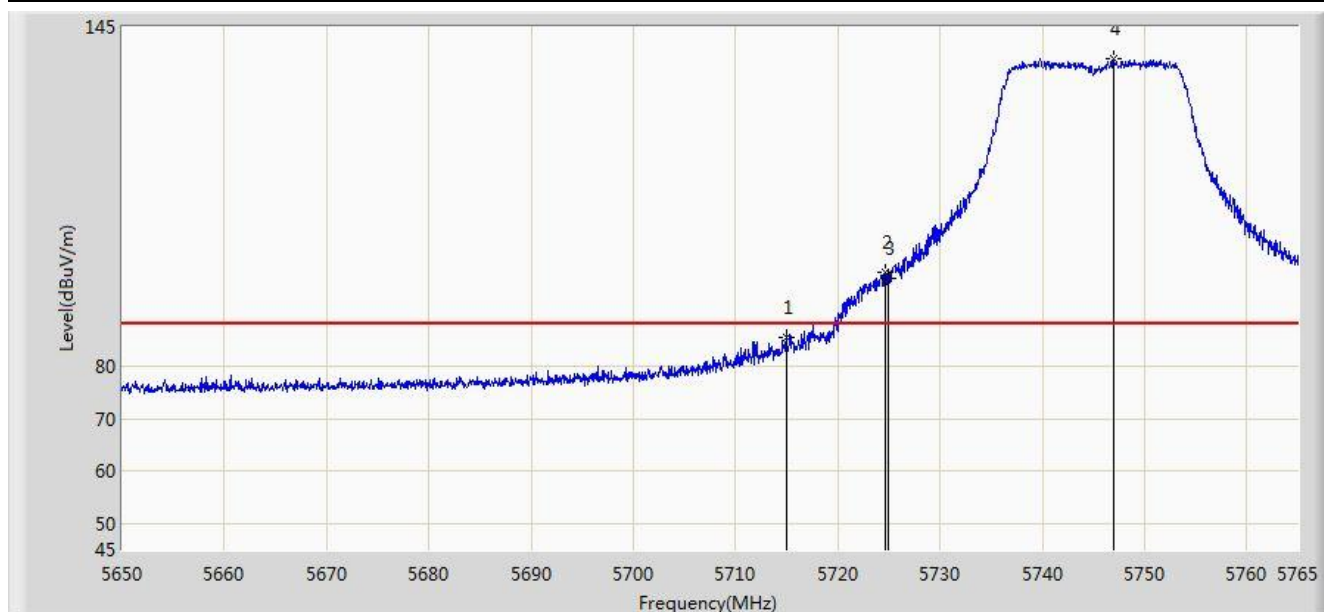

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.158	78.390	70.624	-9.810	88.200	7.766	PK
2			5715.000	77.317	69.545	-10.883	88.200	7.772	PK
3			5725.000	77.562	69.771	-20.638	98.200	7.791	PK
4		*	5749.015	117.855	110.014	N/A	N/A	7.842	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:11
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
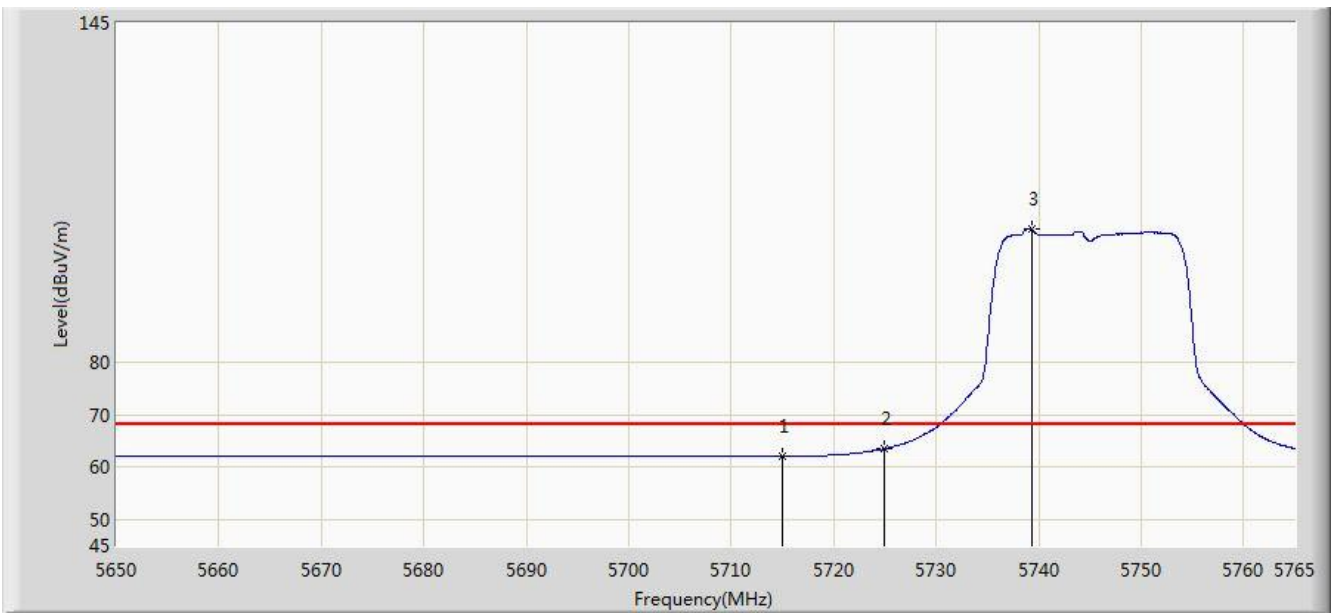
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.165	54.393	-6.035	68.200	7.772	AV
2			5725.000	63.531	55.740	-14.669	78.200	7.791	AV
3		*	5739.355	105.541	97.719	N/A	N/A	7.822	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:15
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
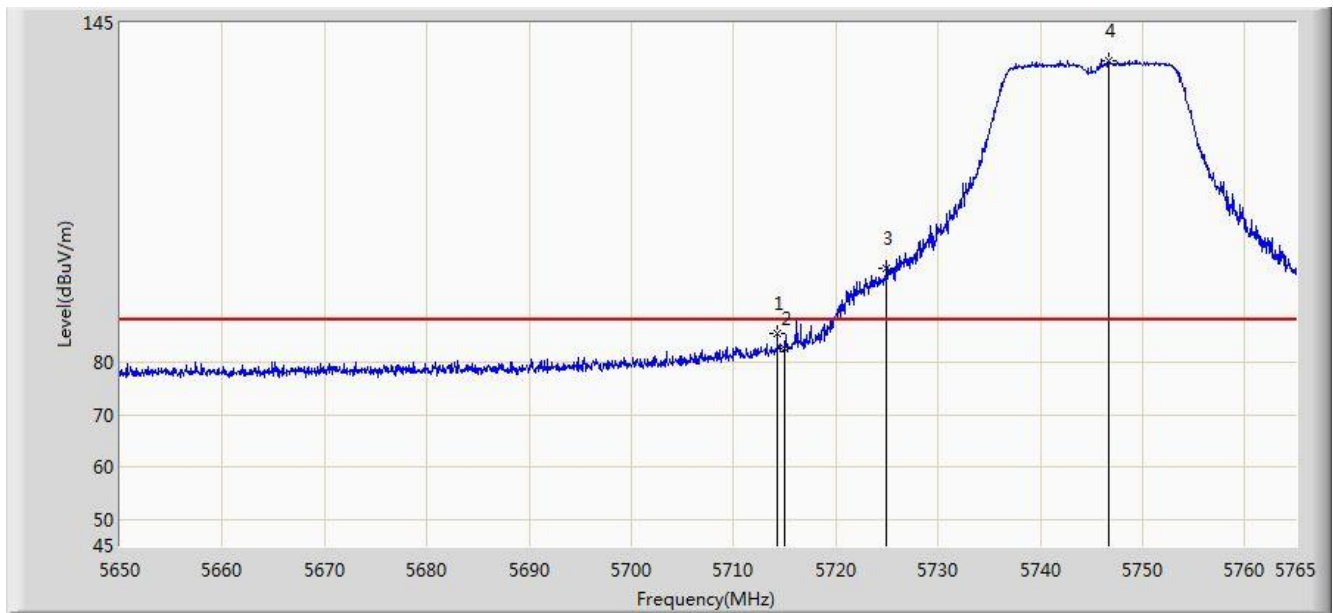
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.285	85.555	77.785	-2.645	88.200	7.770	PK
2			5715.000	82.738	74.966	-5.462	88.200	7.772	PK
3			5725.000	98.043	90.252	-0.157	98.200	7.791	PK
4		*	5746.658	137.835	129.999	N/A	N/A	7.836	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
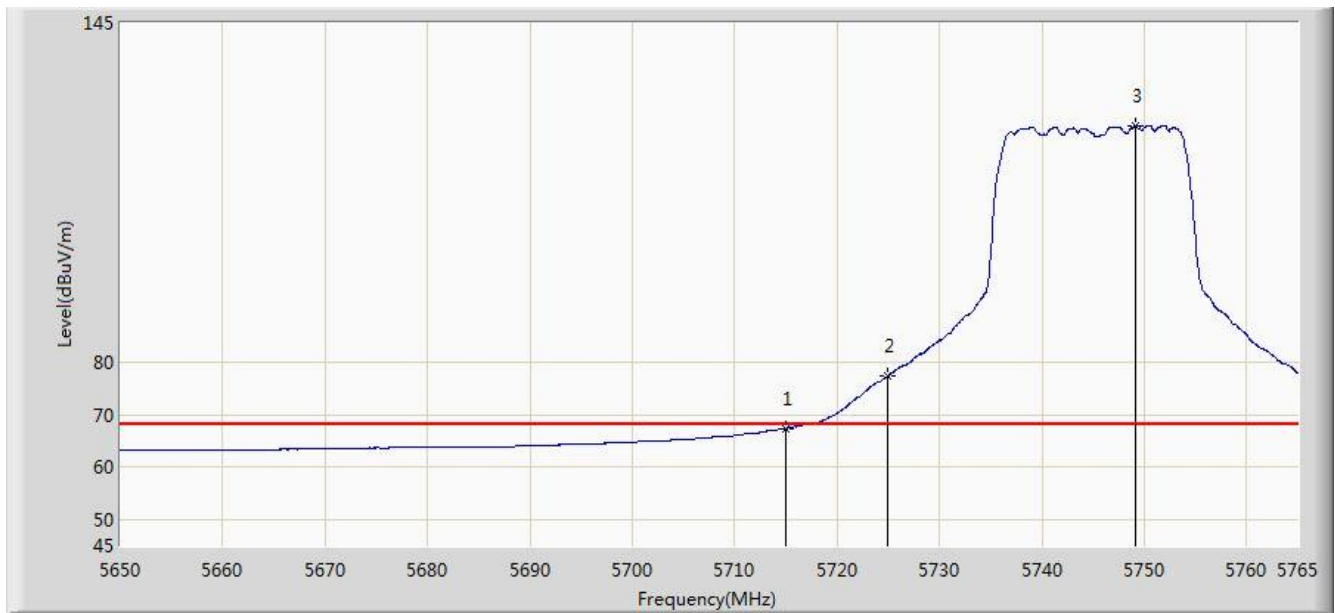
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.402	59.630	-0.798	68.200	7.772	AV
2			5725.000	77.440	69.649	-0.760	78.200	7.791	AV
3		*	5749.187	125.200	117.358	N/A	N/A	7.842	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
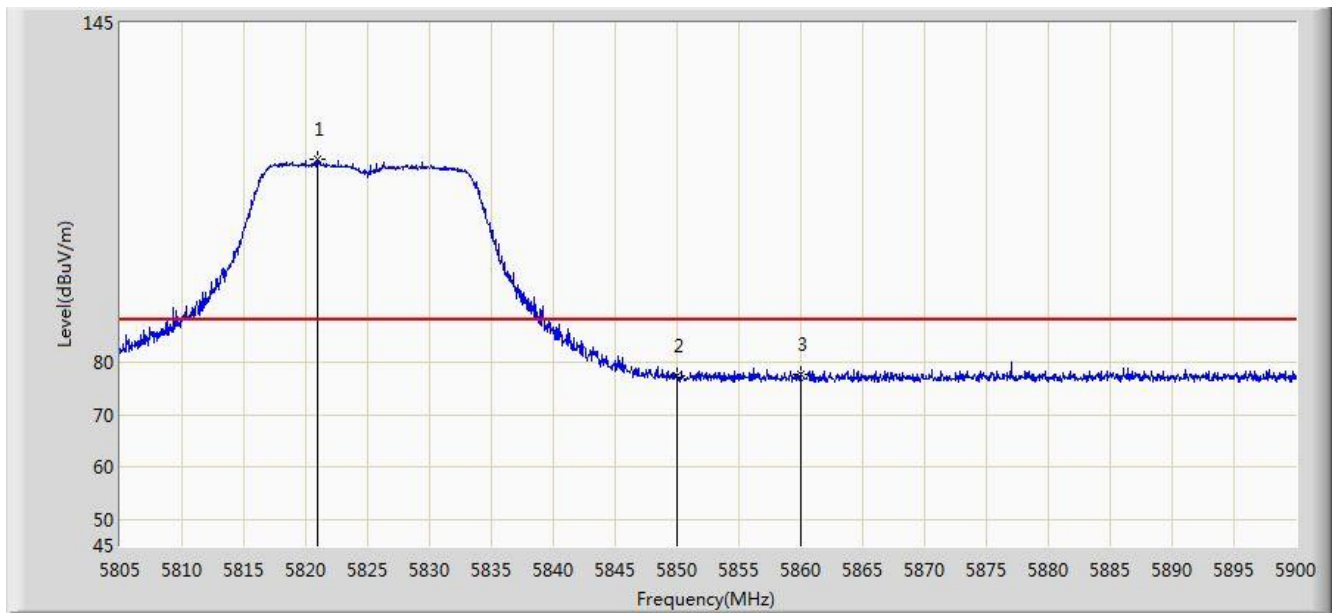
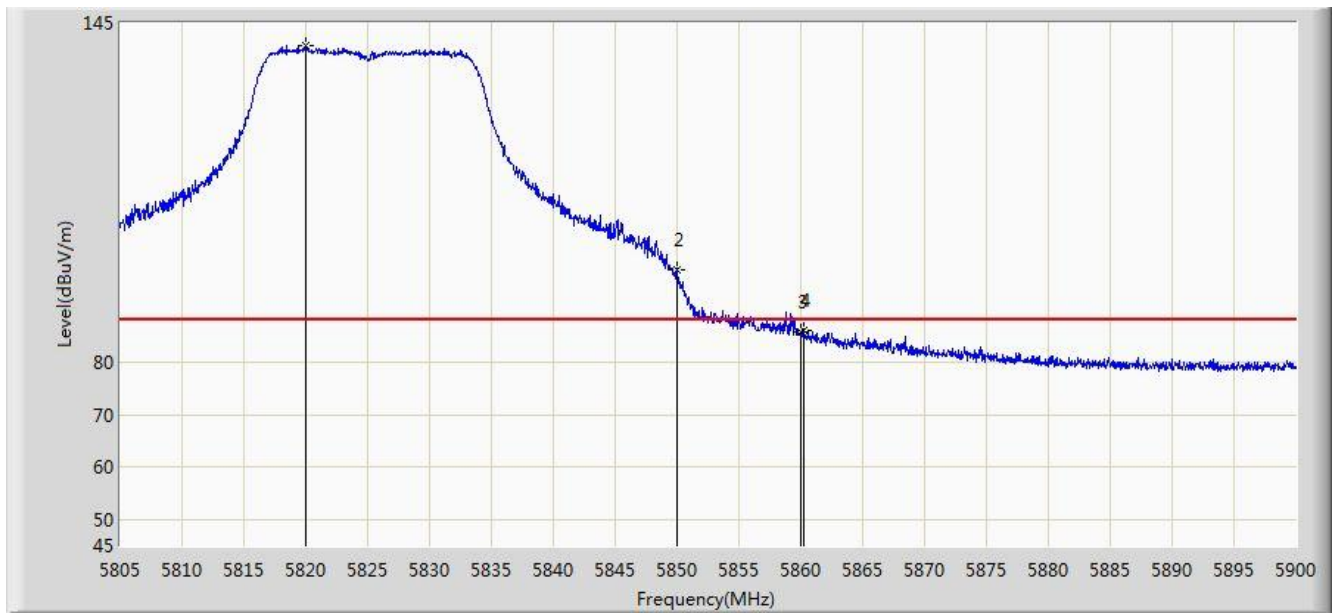

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.913	118.956	110.912	N/A	N/A	8.044	PK
2			5850.000	77.492	69.358	-20.708	98.200	8.134	PK
3			5860.000	77.853	69.664	-10.347	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:25
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.295	106.340	98.297	N/A	N/A	8.043	AV
2			5850.000	64.905	56.771	-13.295	78.200	8.134	AV
3			5860.000	64.666	56.477	-3.534	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:25
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.817	139.745	131.701	N/A	N/A	8.045	PK
2			5850.000	92.588	84.454	-5.612	98.200	8.134	PK
3			5860.000	85.715	77.526	-2.485	88.200	8.189	PK
4			5860.480	86.558	78.367	-1.642	88.200	8.191	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

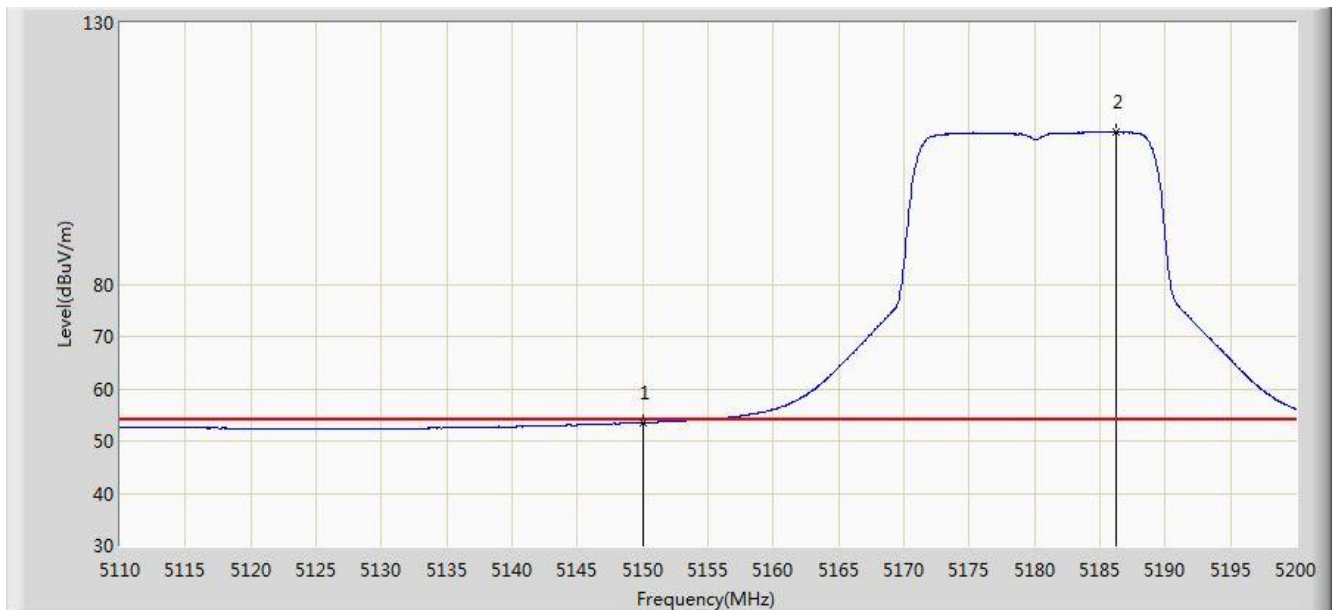| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 13:31
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
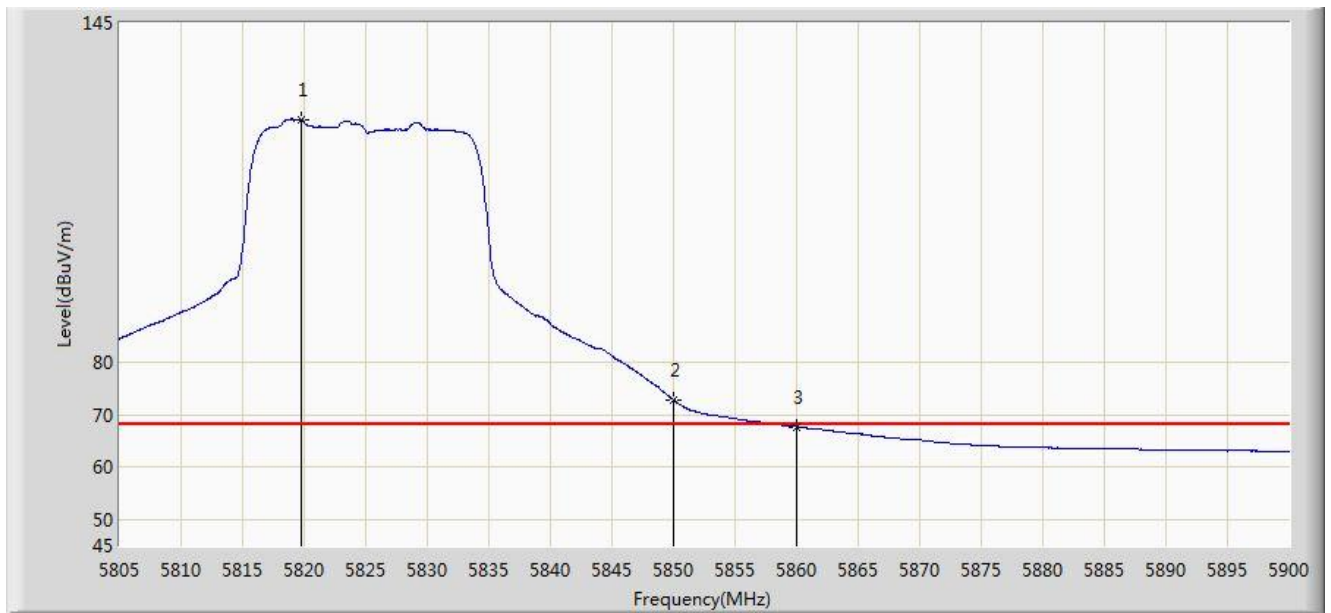
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.772	126.537	118.495	N/A	N/A	8.042	AV
2			5850.000	72.912	64.778	-5.288	78.200	8.134	AV
3			5860.000	67.740	59.551	-0.460	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

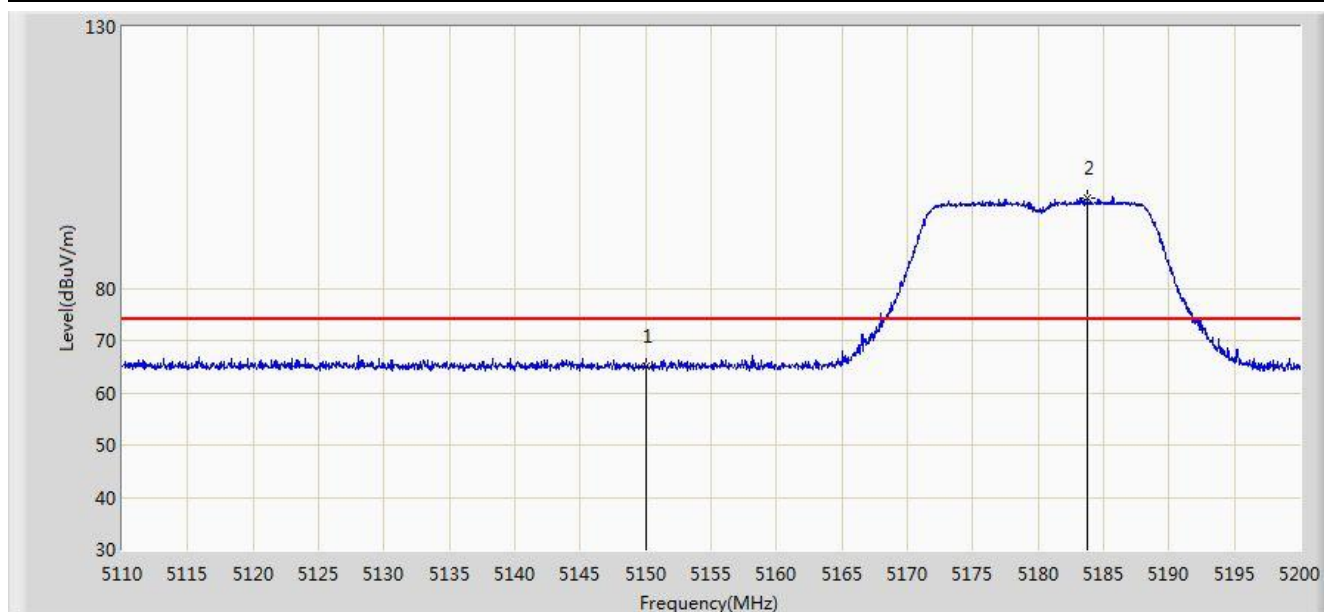| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
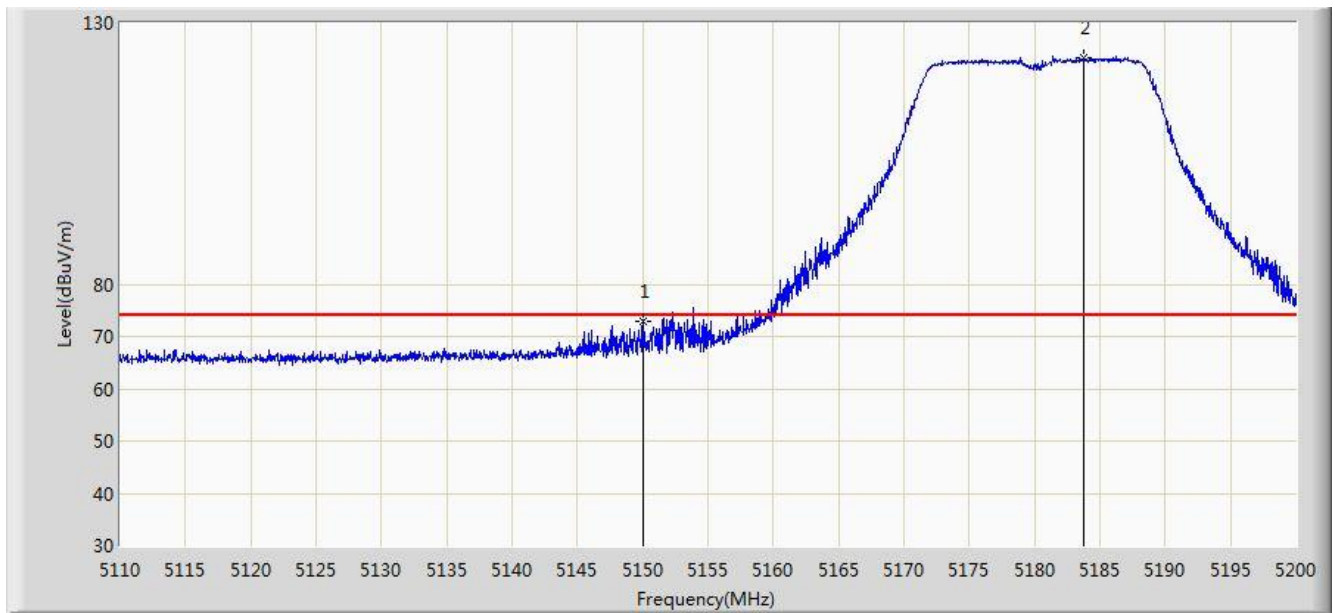
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	72.957	65.781	-1.043	74.000	7.176	PK
2		*	5183.755	123.405	116.375	N/A	N/A	7.030	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
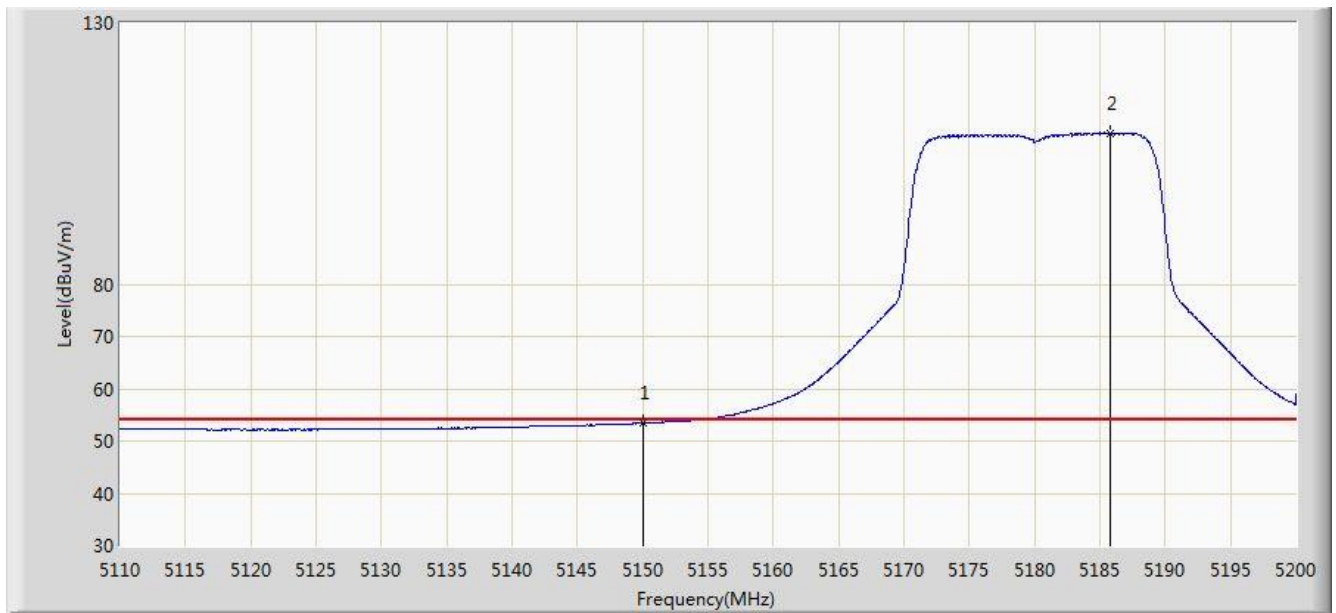
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.404	46.228	-0.596	54.000	7.176	AV
2		*	5185.825	108.834	101.816	N/A	N/A	7.018	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

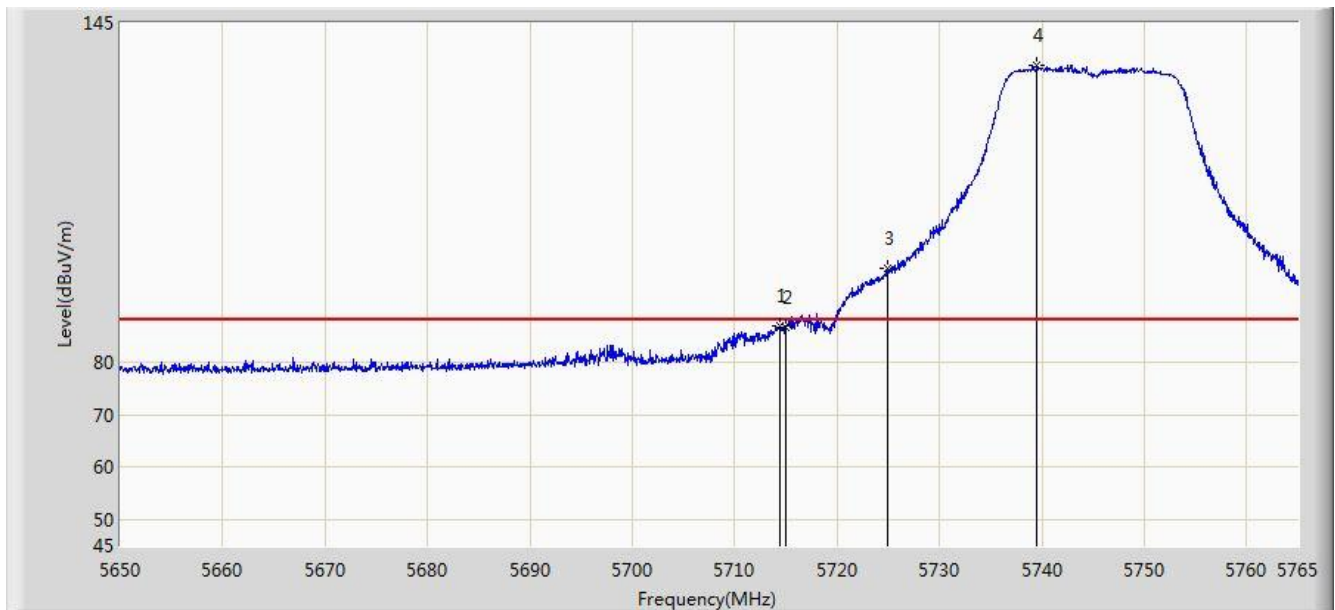| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
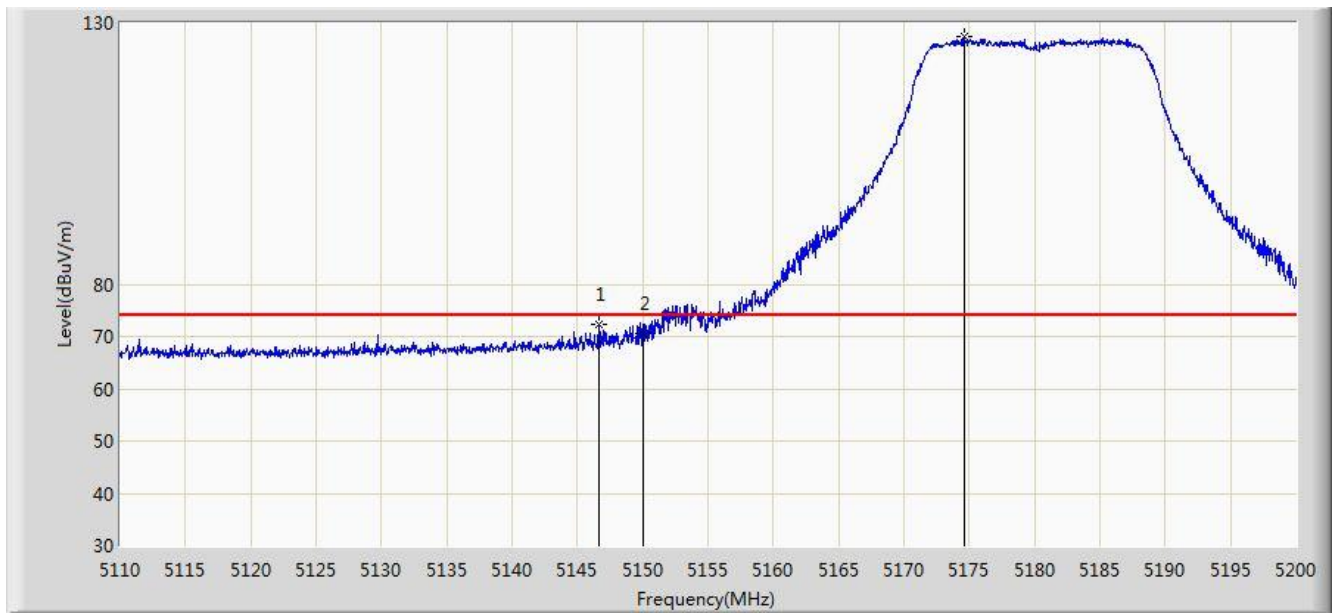
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.630	72.213	65.036	-1.787	74.000	7.178	PK
2			5150.000	70.717	63.541	-3.283	74.000	7.176	PK
3		*	5174.665	127.377	120.288	N/A	N/A	7.089	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

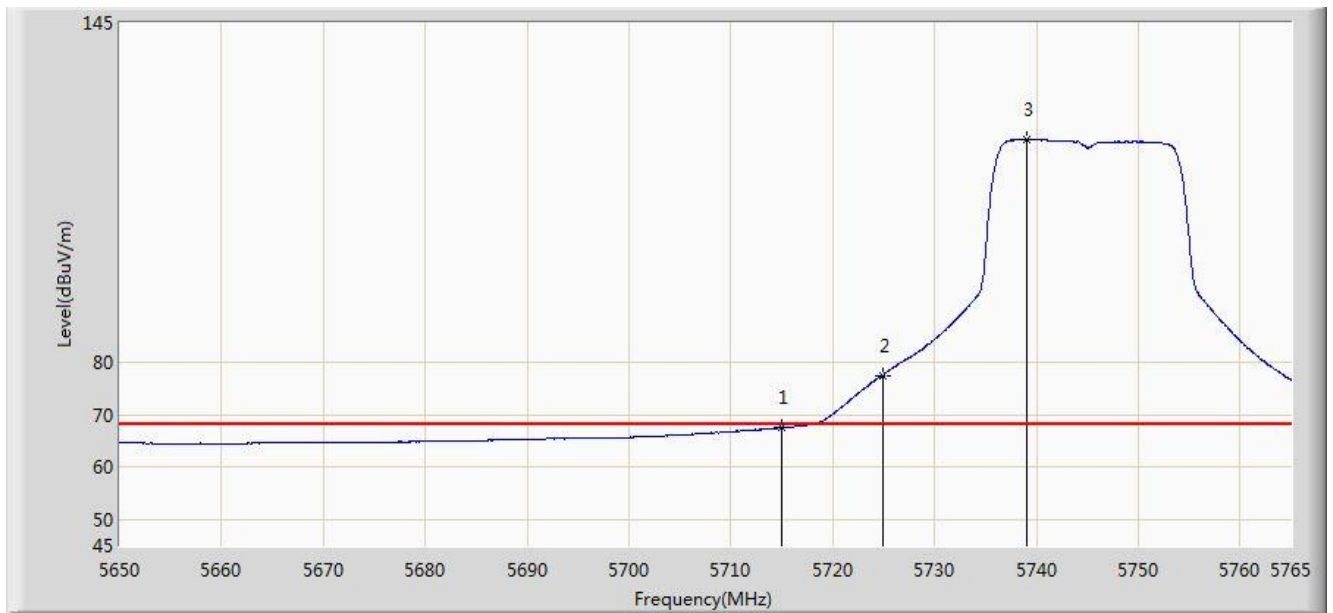| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
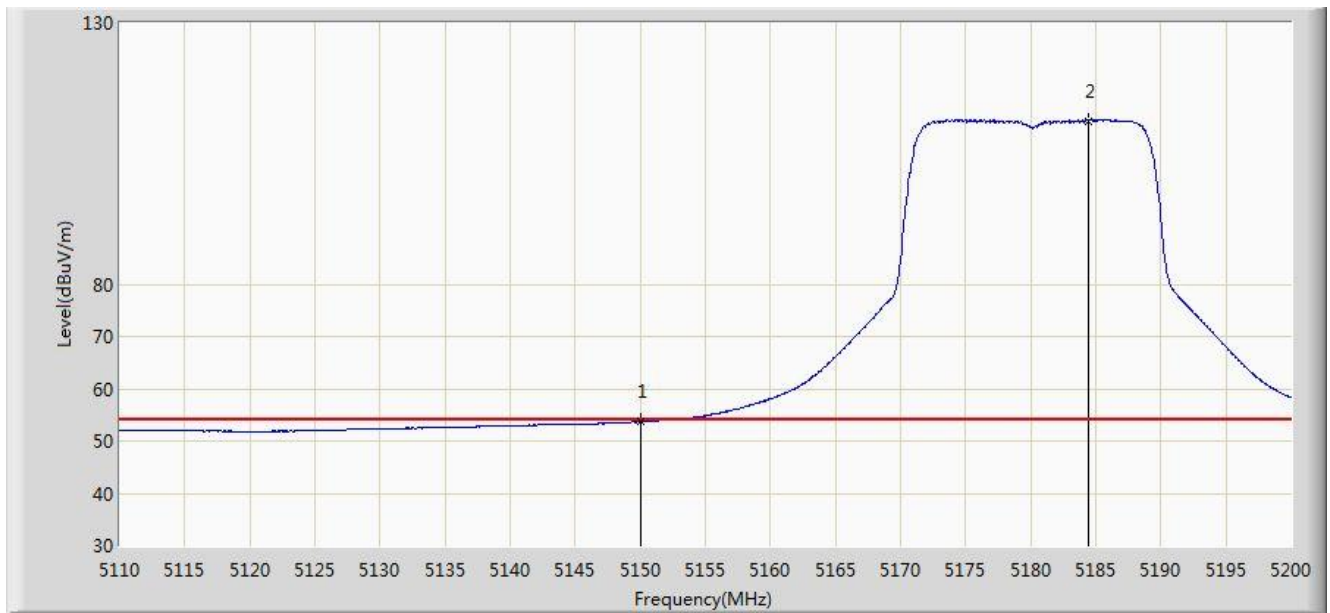
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.680	46.504	-0.320	54.000	7.176	AV
2		*	5184.430	111.287	104.261	N/A	N/A	7.027	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:37
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
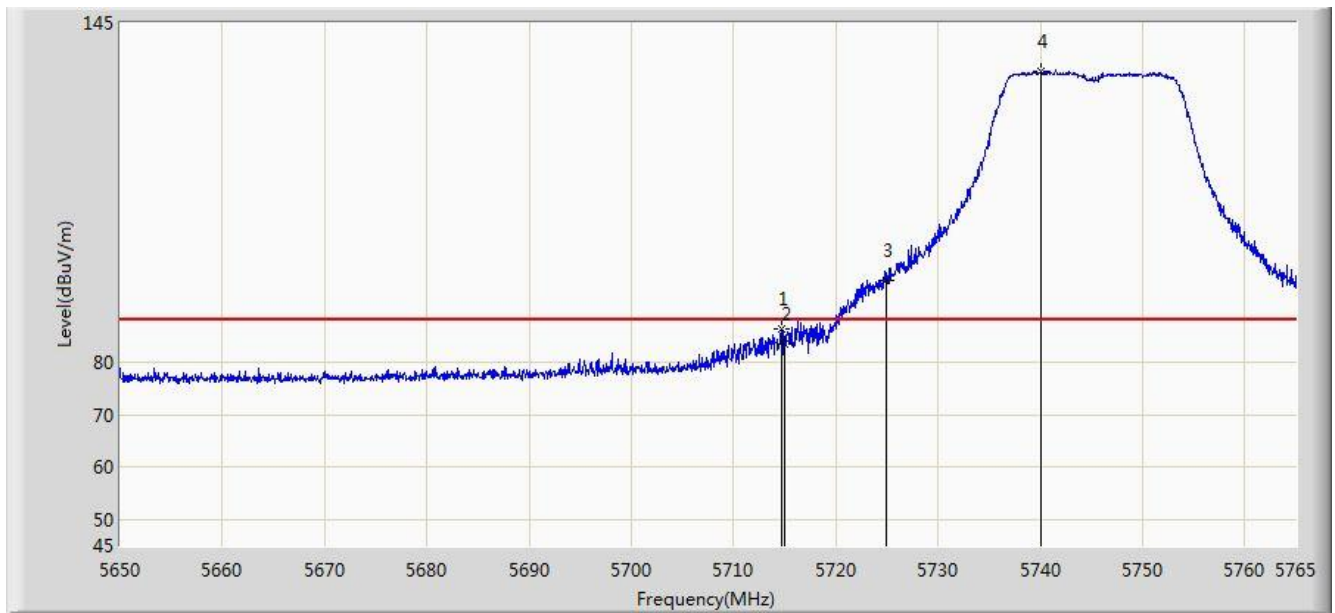
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.745	86.481	78.710	-1.719	88.200	7.771	PK
2			5715.000	83.561	75.789	-4.639	88.200	7.772	PK
3			5725.000	95.798	88.007	-2.402	98.200	7.791	PK
4		*	5740.045	135.846	128.023	N/A	N/A	7.823	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:40
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
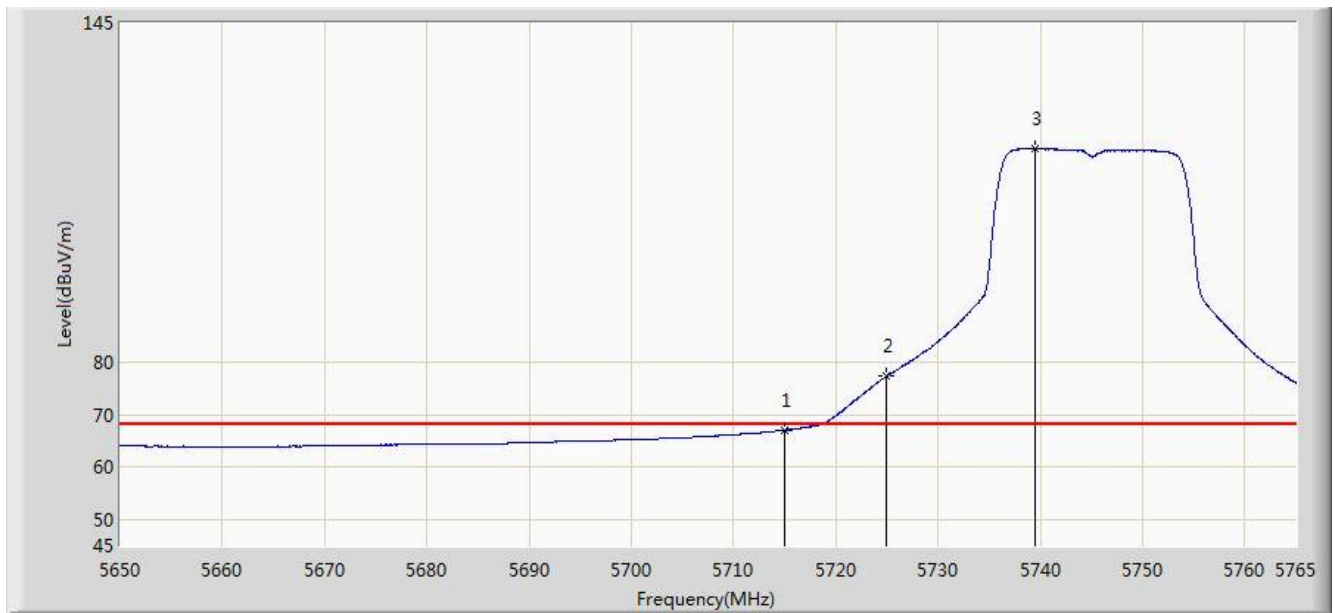
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.110	59.338	-1.090	68.200	7.772	AV
2			5725.000	77.454	69.663	-0.746	78.200	7.791	AV
3		*	5739.527	121.000	113.178	N/A	N/A	7.822	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	85.532	77.760	-2.668	88.200	7.772	PK
2			5724.692	97.990	90.200	-0.210	98.200	7.790	PK
3			5725.000	96.778	88.987	-1.422	98.200	7.791	PK
4		*	5747.002	138.877	131.041	N/A	N/A	7.836	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:48
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
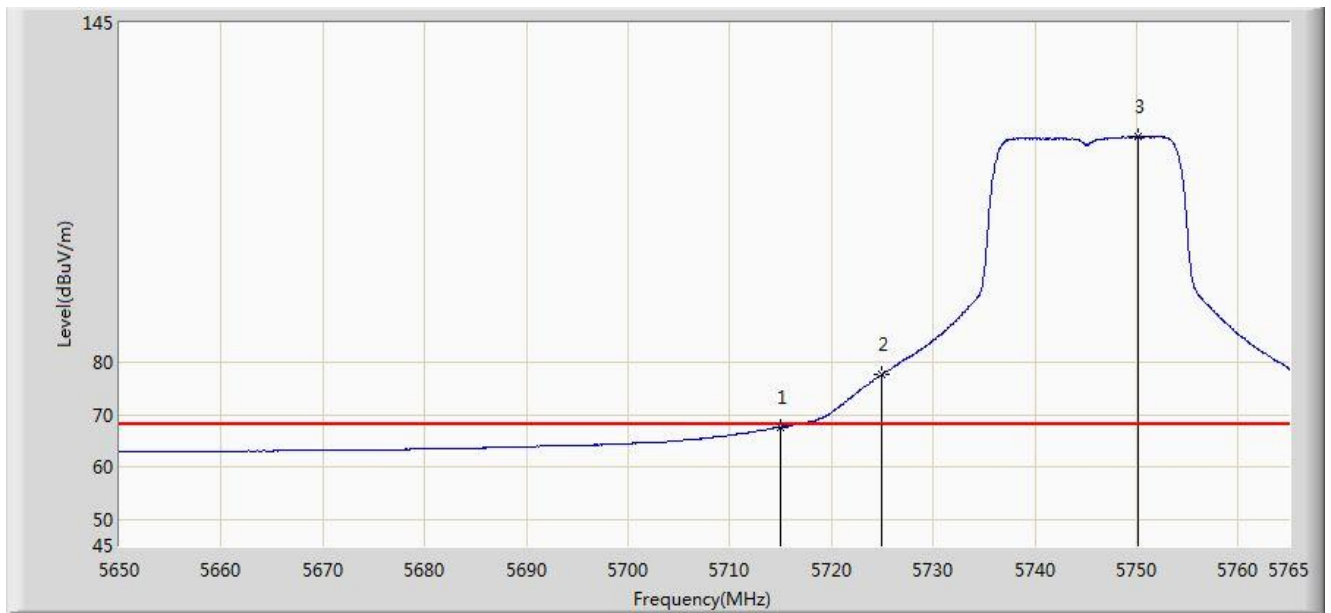
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.617	59.845	-0.583	68.200	7.772	AV
2			5725.000	77.831	70.040	-0.369	78.200	7.791	AV
3		*	5750.165	123.142	115.298	N/A	N/A	7.844	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
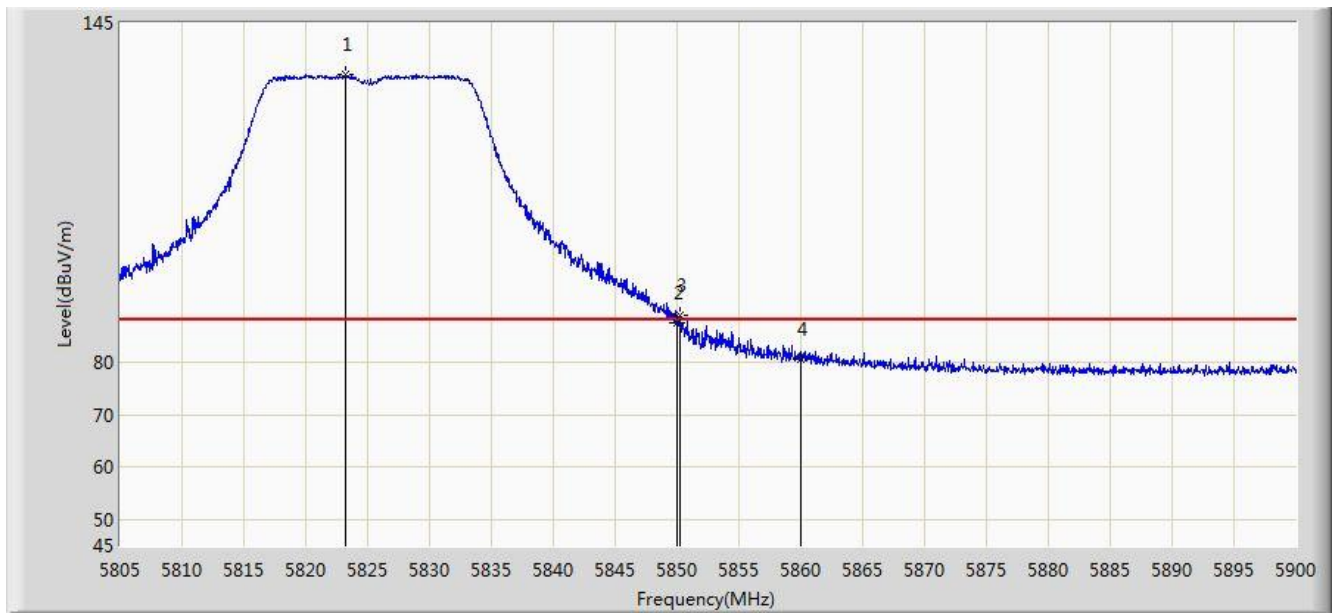
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.240	135.267	127.219	N/A	N/A	8.048	PK
2			5850.000	87.653	79.519	-10.547	98.200	8.134	PK
3			5850.268	89.191	81.055	-9.009	98.200	8.136	PK
4			5860.000	80.790	72.601	-7.410	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
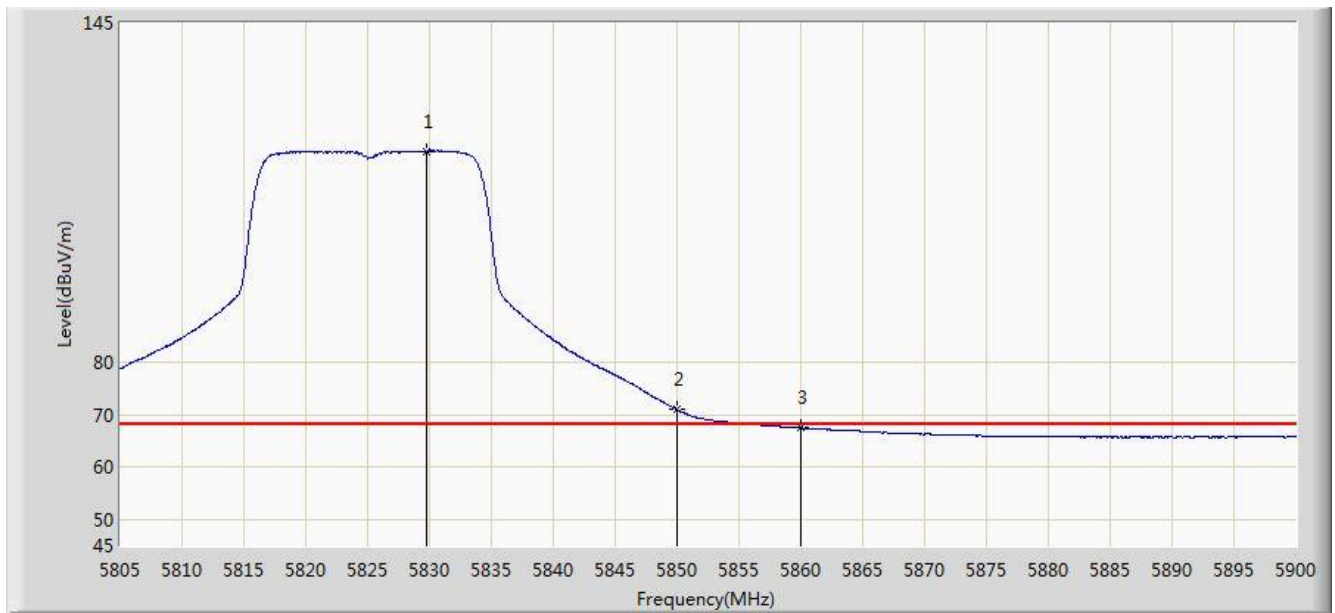
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.748	120.356	112.296	N/A	N/A	8.060	AV
2			5850.000	71.049	62.915	-7.151	78.200	8.134	AV
3			5860.000	67.504	59.315	-0.696	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:53
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.962	140.635	132.593	N/A	N/A	8.043	PK
2			5850.000	97.752	89.618	-0.448	98.200	8.134	PK
3			5860.000	85.767	77.578	-2.433	88.200	8.189	PK
4			5860.290	86.280	78.090	-1.920	88.200	8.190	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

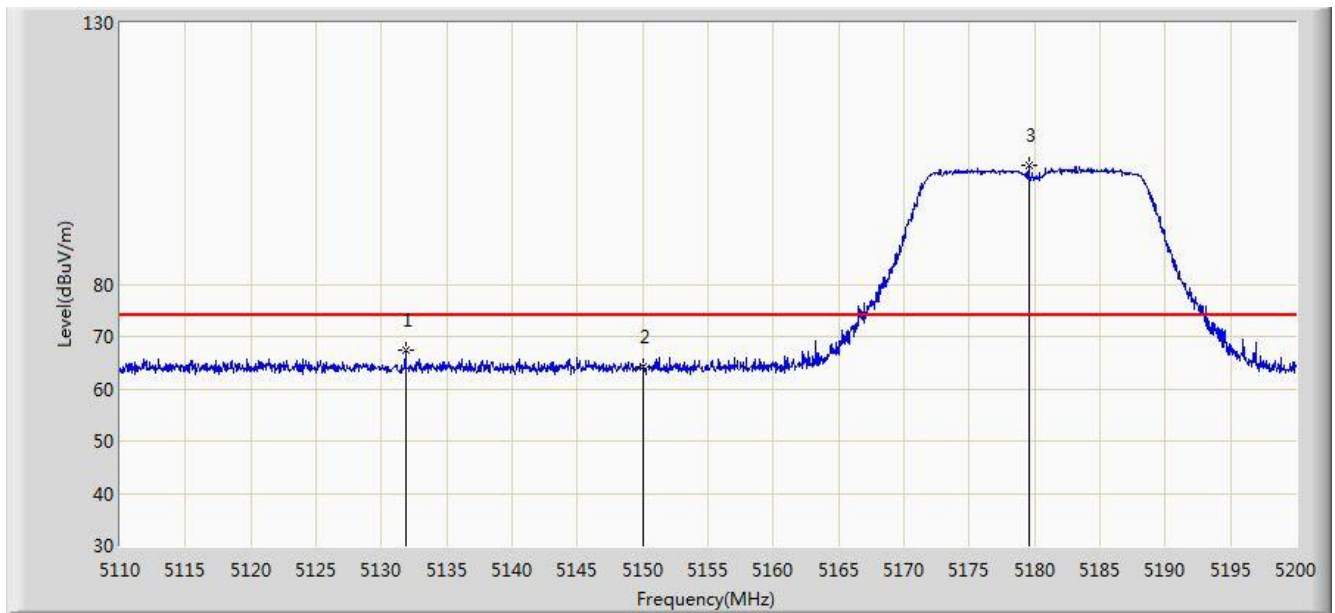| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
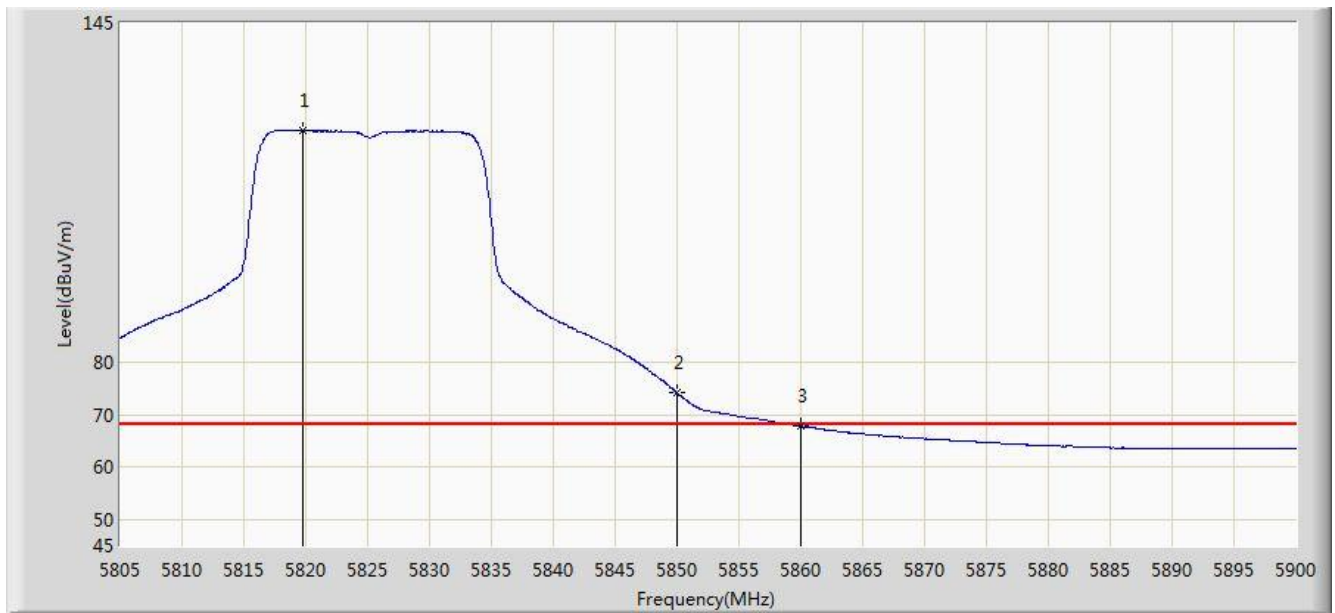
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.725	124.379	116.337	N/A	N/A	8.042	AV
2			5850.000	74.166	66.032	-4.034	78.200	8.134	AV
3			5860.000	67.852	59.663	-0.348	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

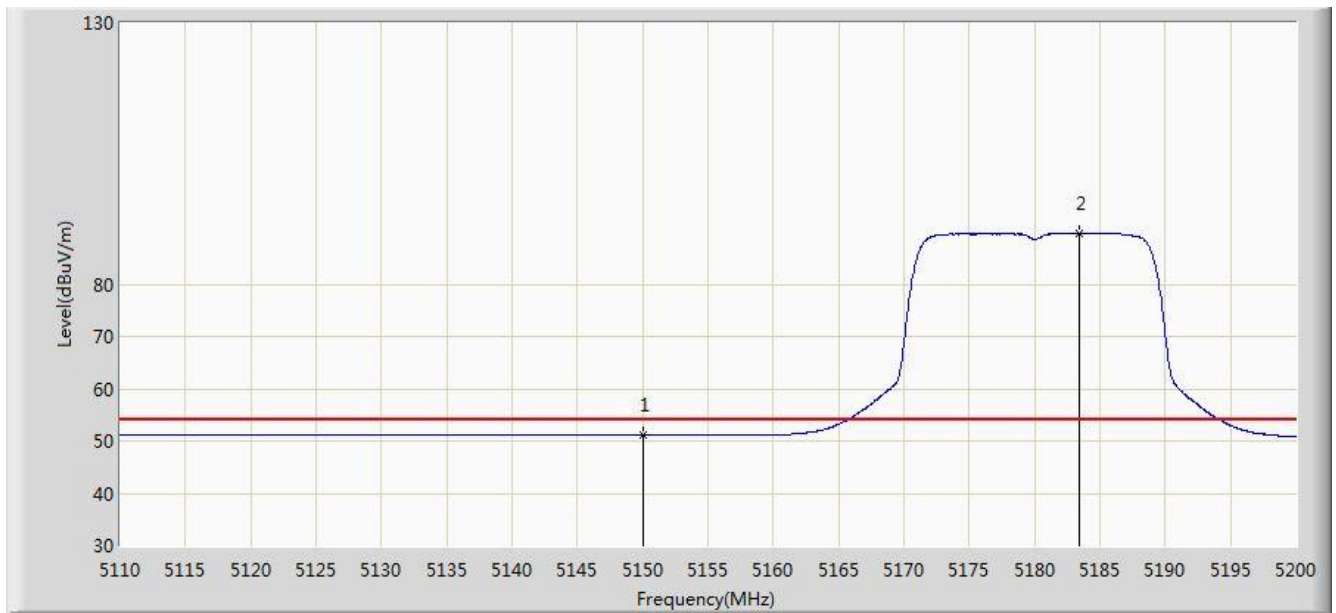| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
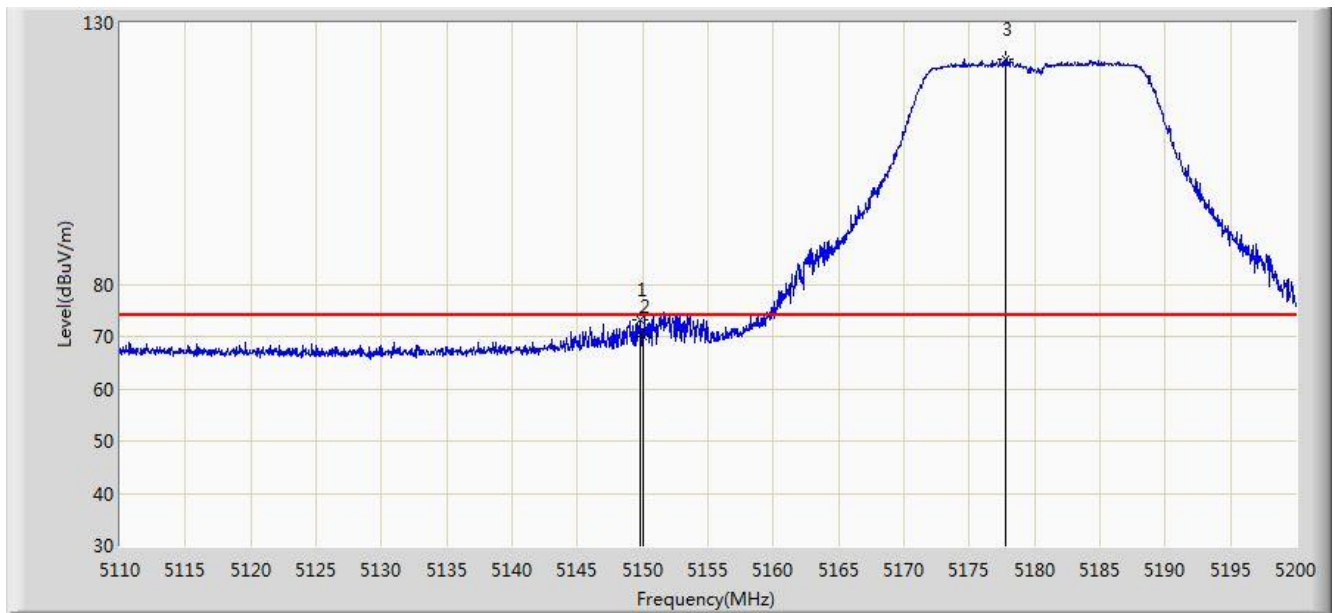
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	73.300	66.124	-0.700	74.000	7.176	PK
2			5150.000	70.055	62.879	-3.945	74.000	7.176	PK
3		*	5177.815	123.124	116.055	N/A	N/A	7.069	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|		
Engineer: Milo Li		
Site: AC1		Time: 2014/09/25 - 15:02
Limit: FCC_Part15.209_RE(3m)		Margin: 0
Probe: BBHA9120D_1-18GHz		Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER		Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0		

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.520	46.344	-0.480	54.000	7.176	AV
2		*	5186.230	109.038	102.022	N/A	N/A	7.016	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	65.093	57.917	-8.907	74.000	7.176	PK
2		*	5183.800	97.288	90.258	N/A	N/A	7.030	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
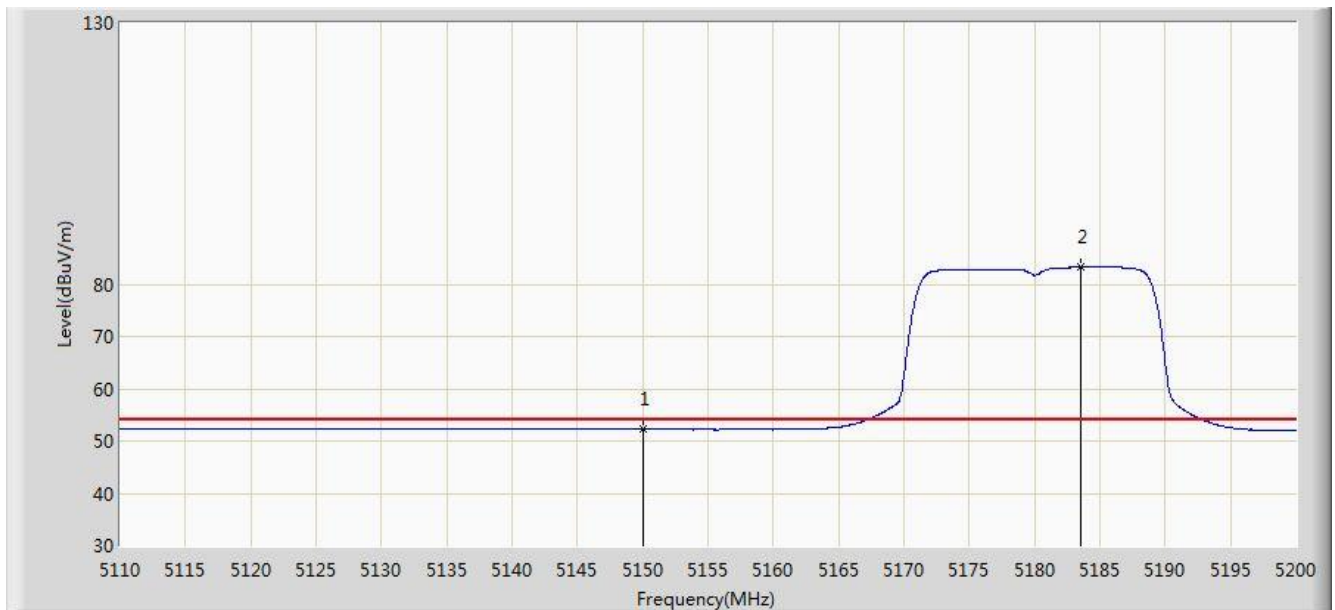
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.220	45.044	-1.780	54.000	7.176	AV
2		*	5183.575	83.356	76.324	N/A	N/A	7.032	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

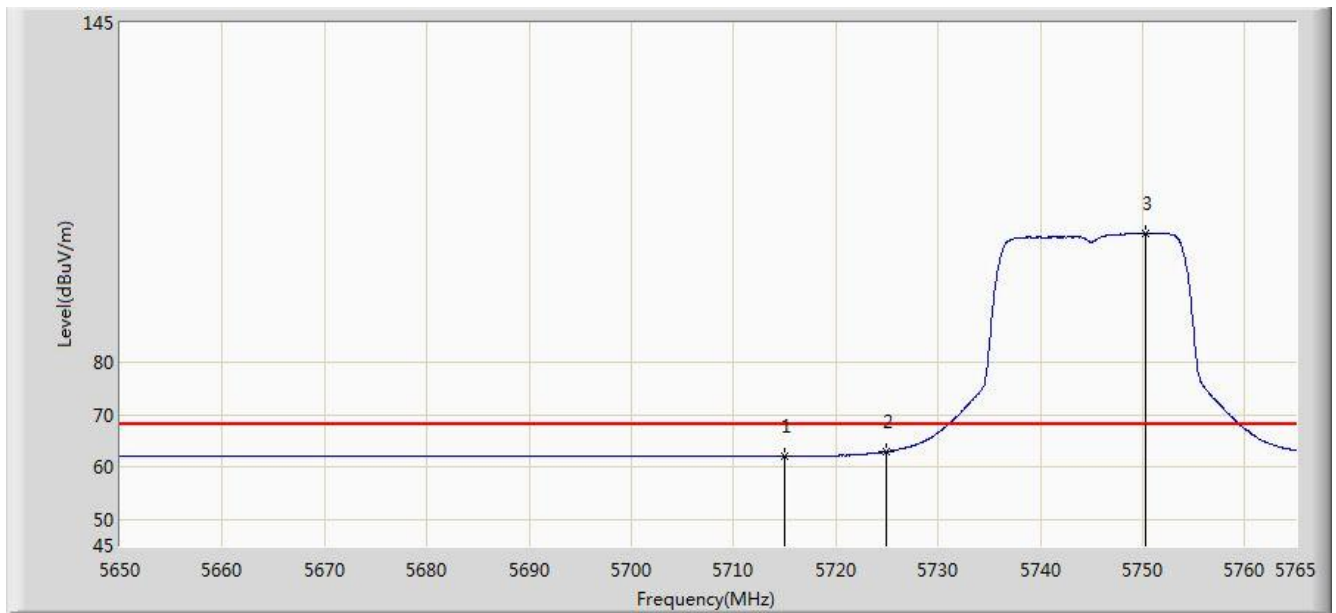| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.400	86.930	79.160	-1.270	88.200	7.771	PK
2			5715.000	86.693	78.921	-1.507	88.200	7.772	PK
3			5725.000	97.944	90.153	-0.256	98.200	7.791	PK
4		*	5739.527	136.859	129.037	N/A	N/A	7.822	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

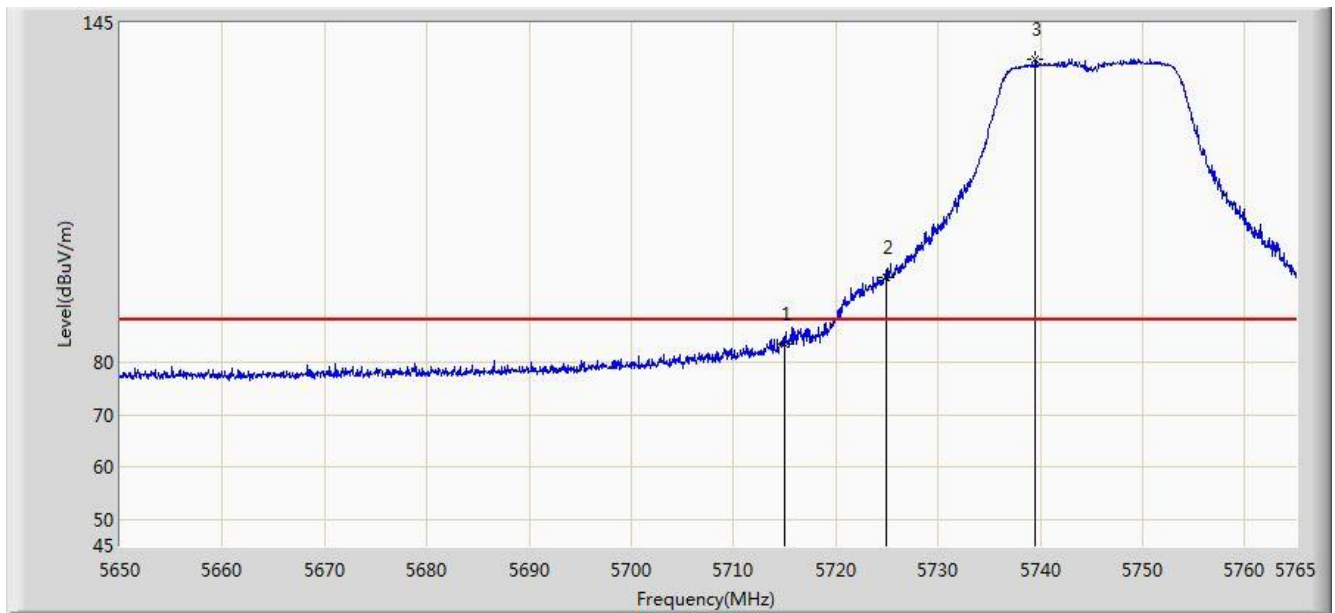| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.507	59.735	-0.693	68.200	7.772	AV
2			5725.000	77.500	69.709	-0.700	78.200	7.791	AV
3		*	5739.010	122.701	114.880	N/A	N/A	7.821	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
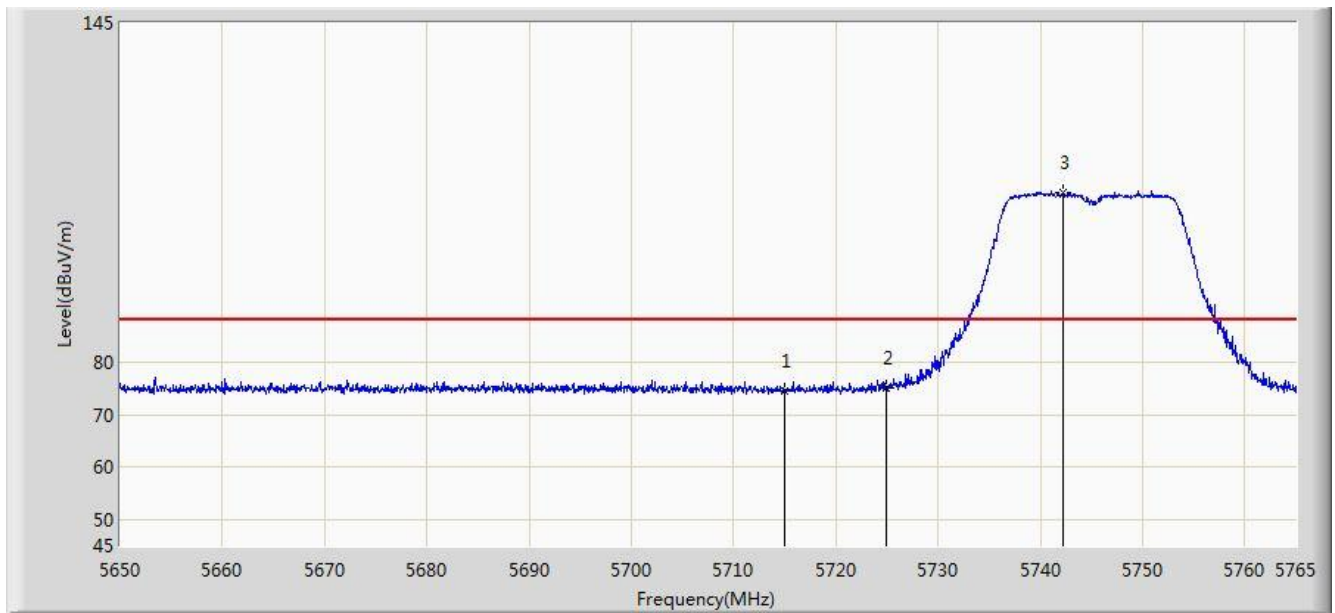
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	74.579	66.807	-13.621	88.200	7.772	PK
2			5725.000	75.178	67.387	-23.022	98.200	7.791	PK
3		*	5742.288	112.557	104.730	N/A	N/A	7.827	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

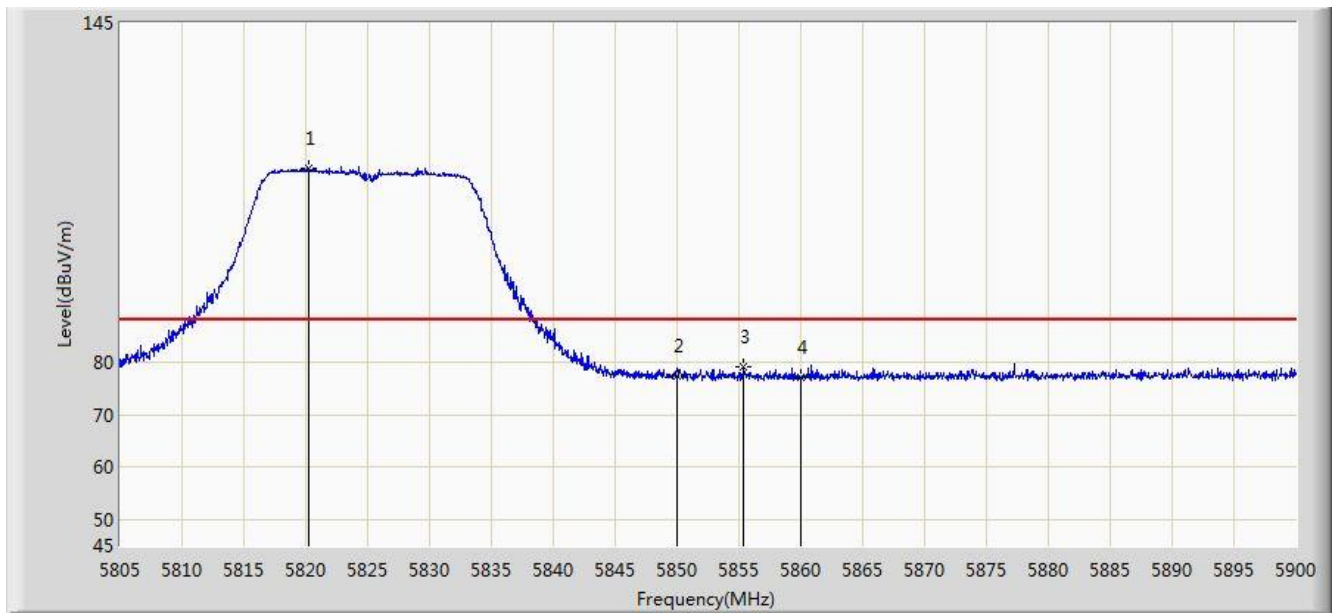| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:25
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
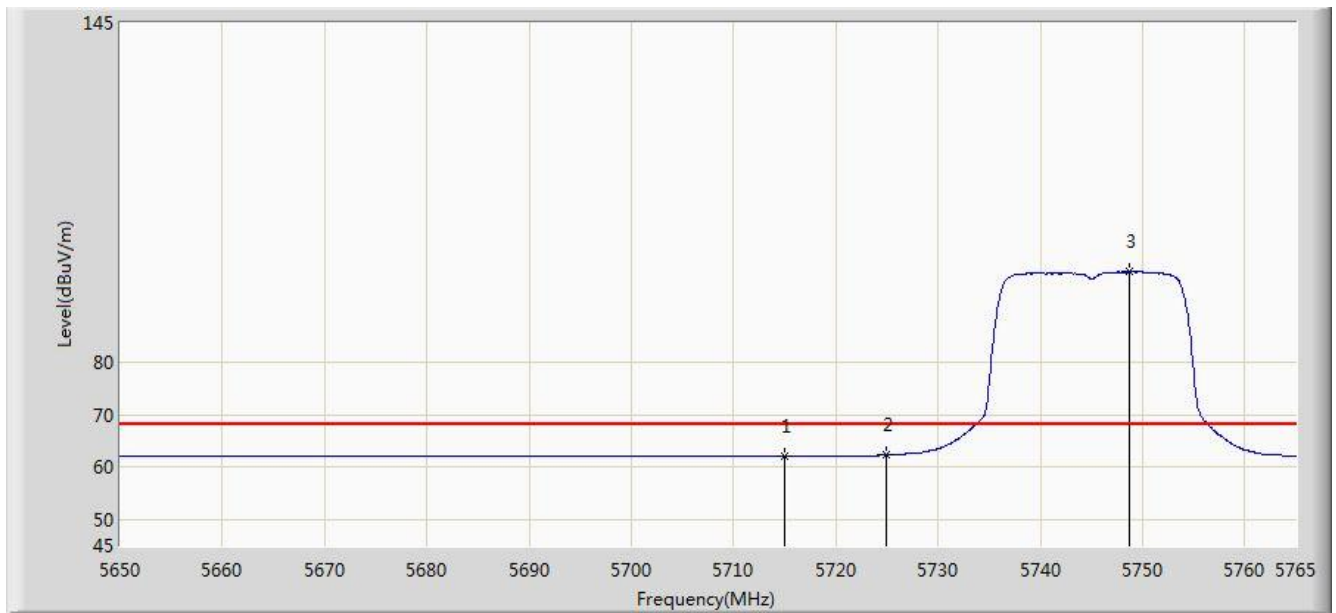
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.012	54.240	-6.188	68.200	7.772	AV
2			5725.000	62.356	54.565	-15.844	78.200	7.791	AV
3		*	5748.785	97.359	89.518	N/A	N/A	7.840	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

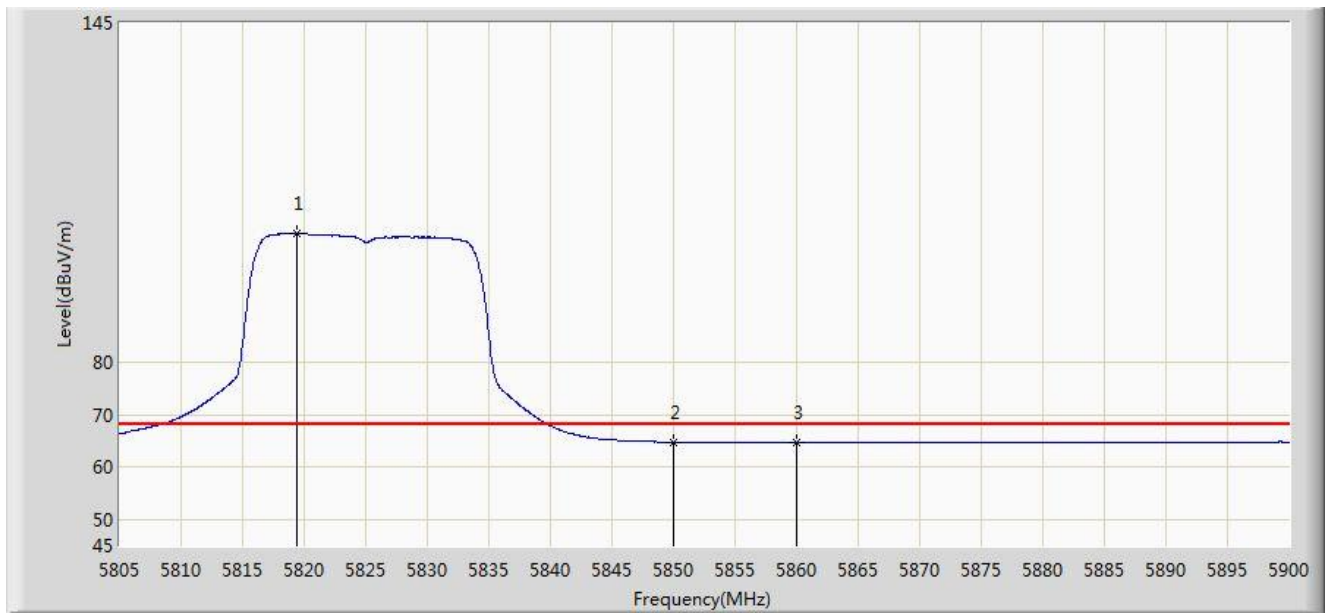| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:27
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
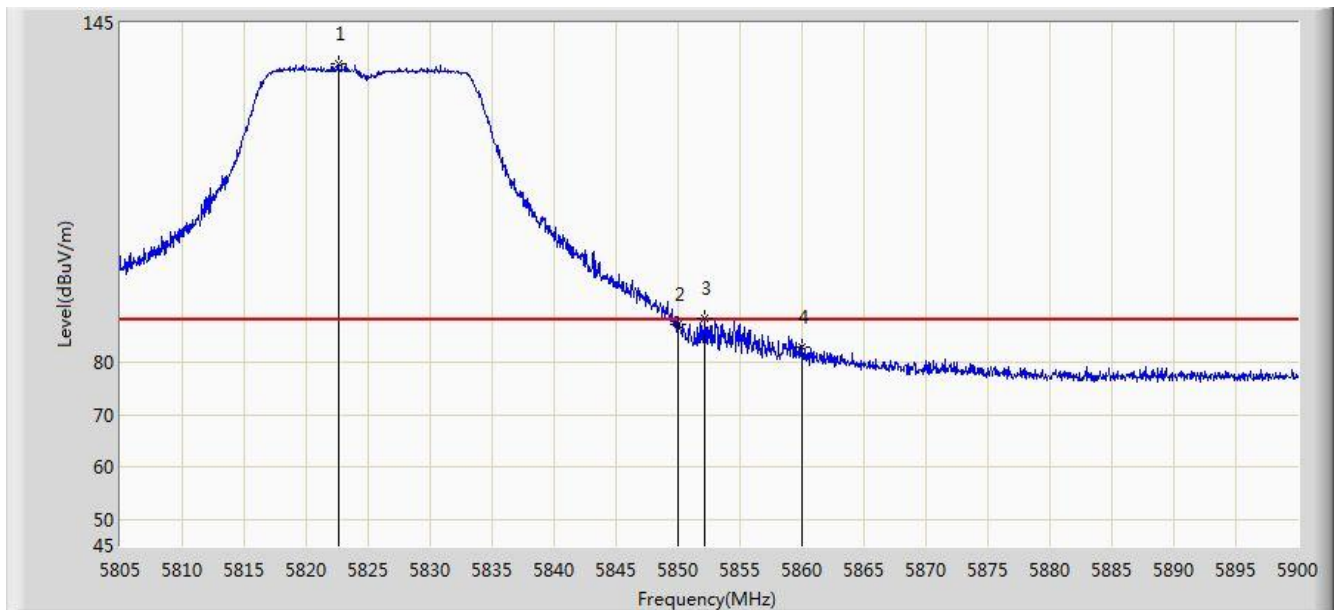
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.575	137.159	129.112	N/A	N/A	8.047	PK
2			5850.000	87.441	79.307	-10.759	98.200	8.134	PK
3			5852.120	88.479	80.333	-9.721	98.200	8.146	PK
4			5860.000	83.055	74.866	-5.145	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

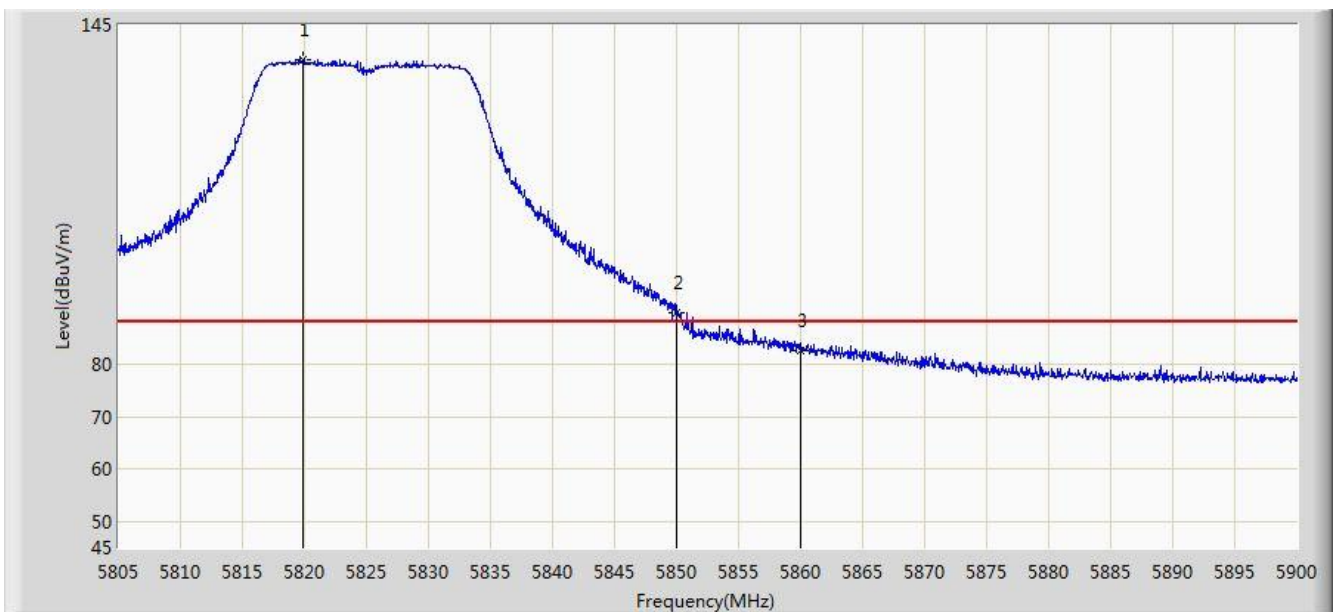| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:29
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
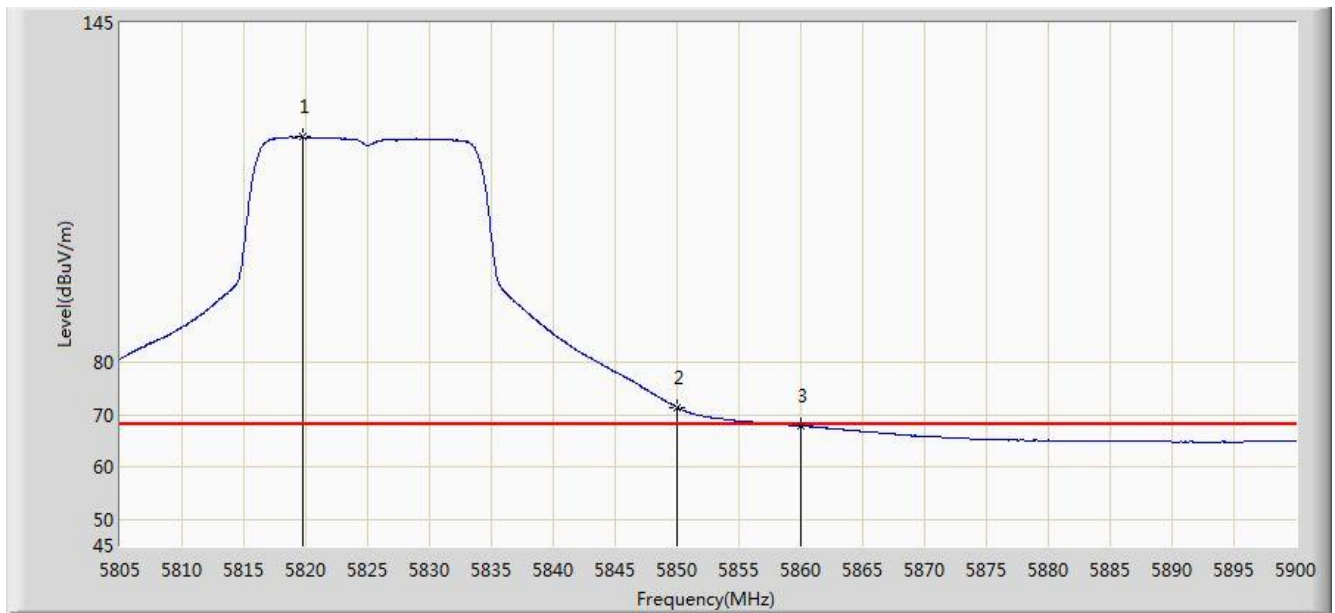
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.725	123.145	115.103	N/A	N/A	8.042	AV
2			5850.000	71.439	63.305	-6.761	78.200	8.134	AV
3			5860.000	67.845	59.656	-0.355	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:30
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
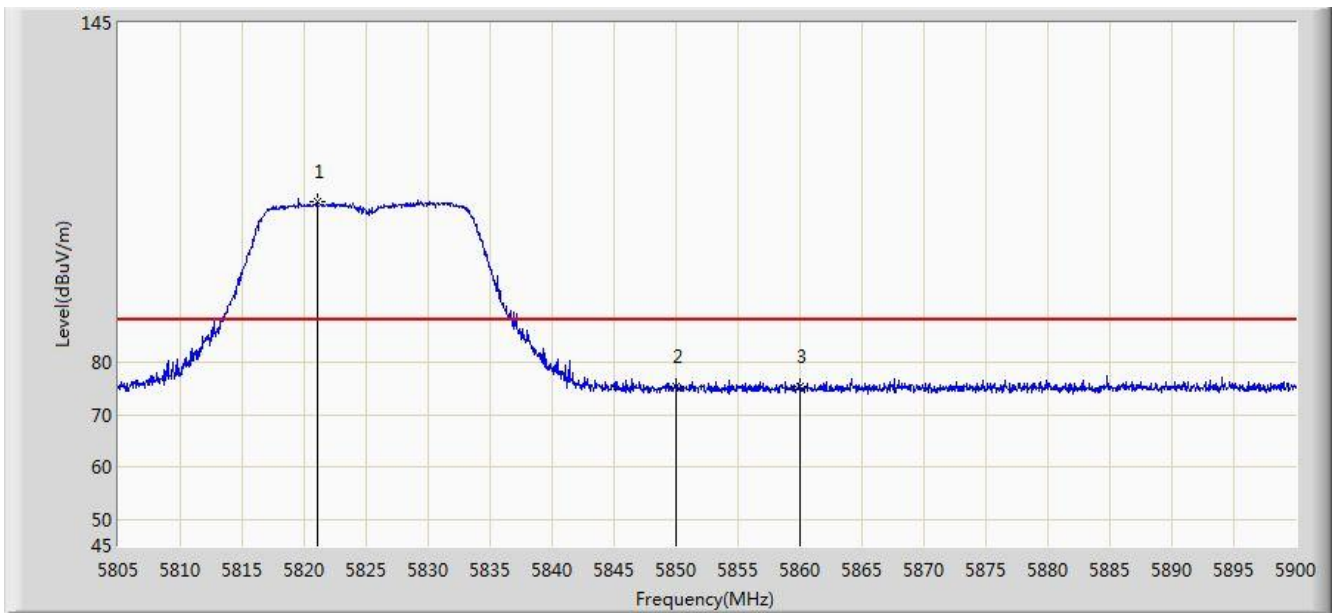
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.055	110.935	102.891	N/A	N/A	8.044	PK
2			5850.000	75.524	67.390	-22.676	98.200	8.134	PK
3			5860.000	75.325	67.136	-12.875	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:31
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
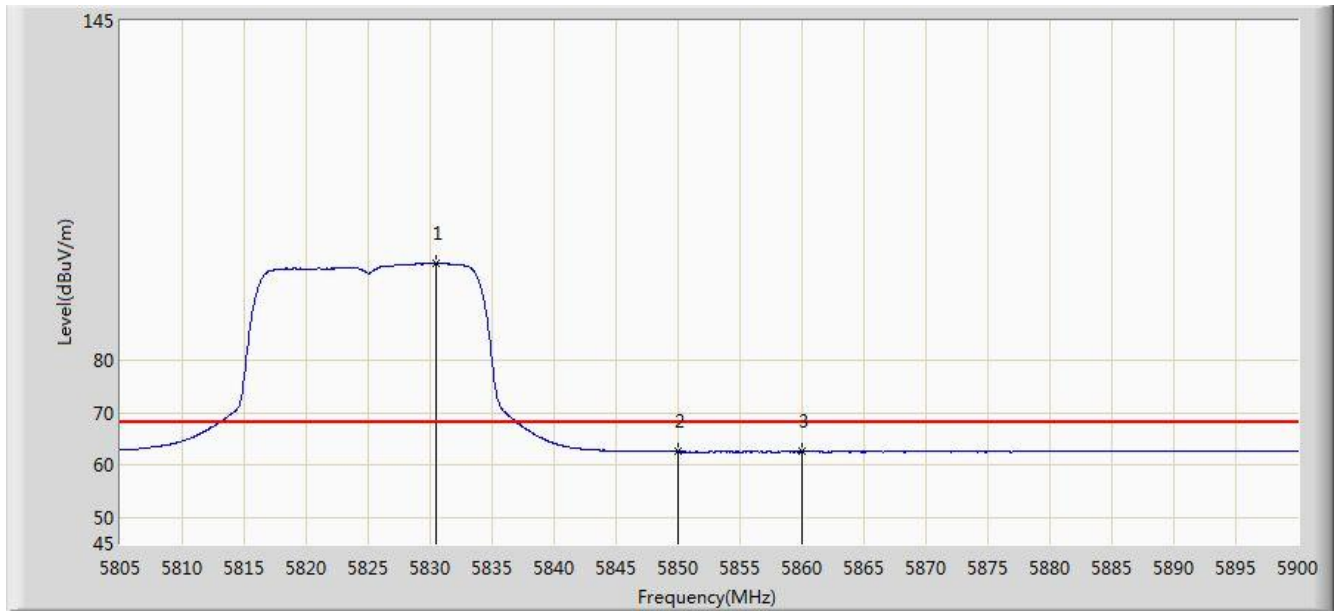
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.507	98.580	90.517	N/A	N/A	8.063	AV
2			5850.000	62.554	54.420	-15.646	78.200	8.134	AV
3			5860.000	62.540	54.351	-5.660	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.825	67.342	60.162	-6.658	74.000	7.180	PK
2			5150.000	64.271	57.095	-9.729	74.000	7.176	PK
3		*	5179.570	102.857	95.800	N/A	N/A	7.057	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.137	43.961	-2.863	54.000	7.176	AV
2		*	5183.395	89.787	82.754	N/A	N/A	7.032	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
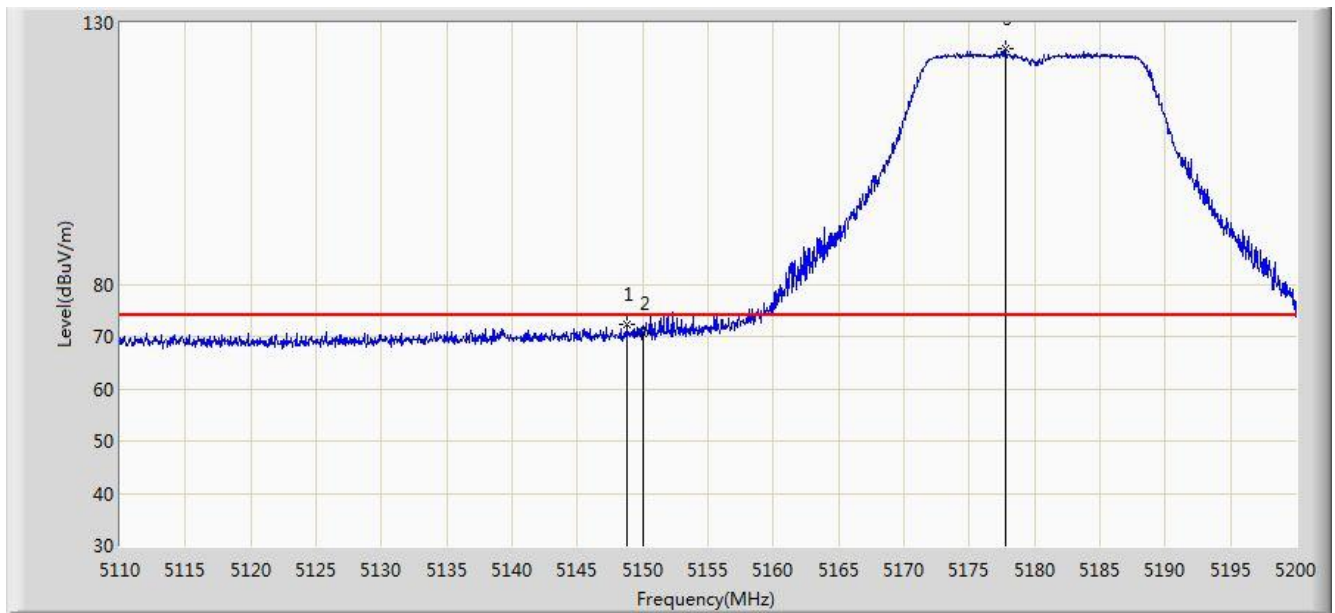
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.790	72.316	65.139	-1.684	74.000	7.177	PK
2			5150.000	70.704	63.528	-3.296	74.000	7.176	PK
3		*	5177.770	124.976	117.907	N/A	N/A	7.069	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
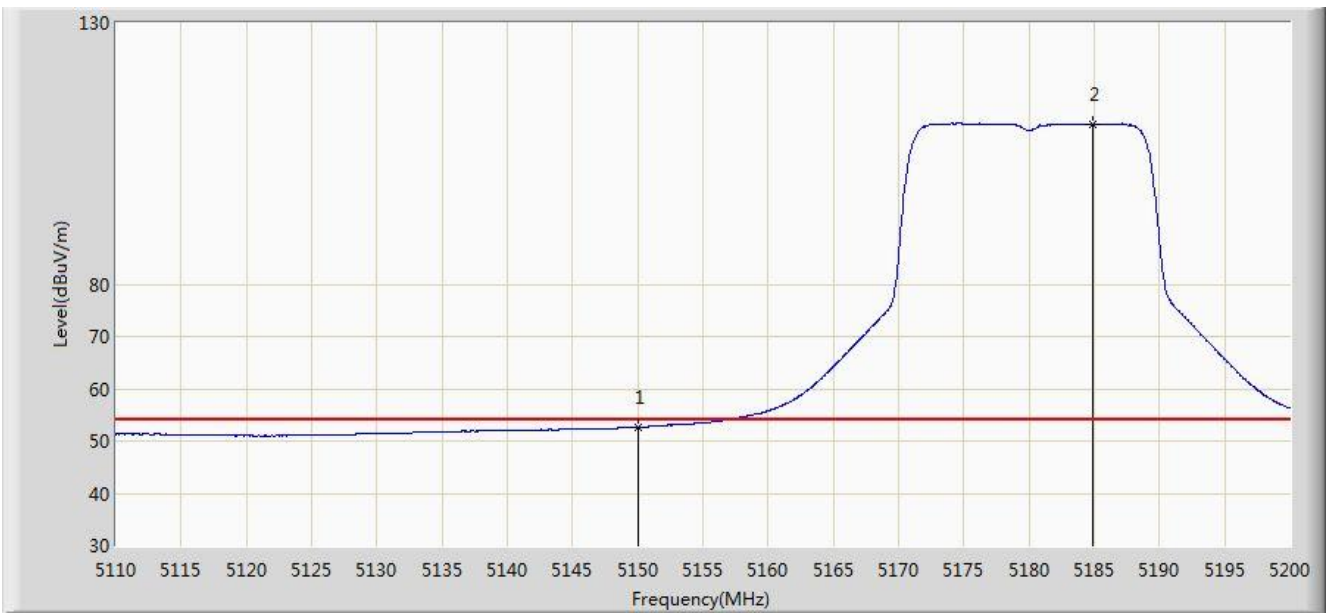
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.612	45.436	-1.388	54.000	7.176	AV
2		*	5184.835	110.659	103.636	N/A	N/A	7.023	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
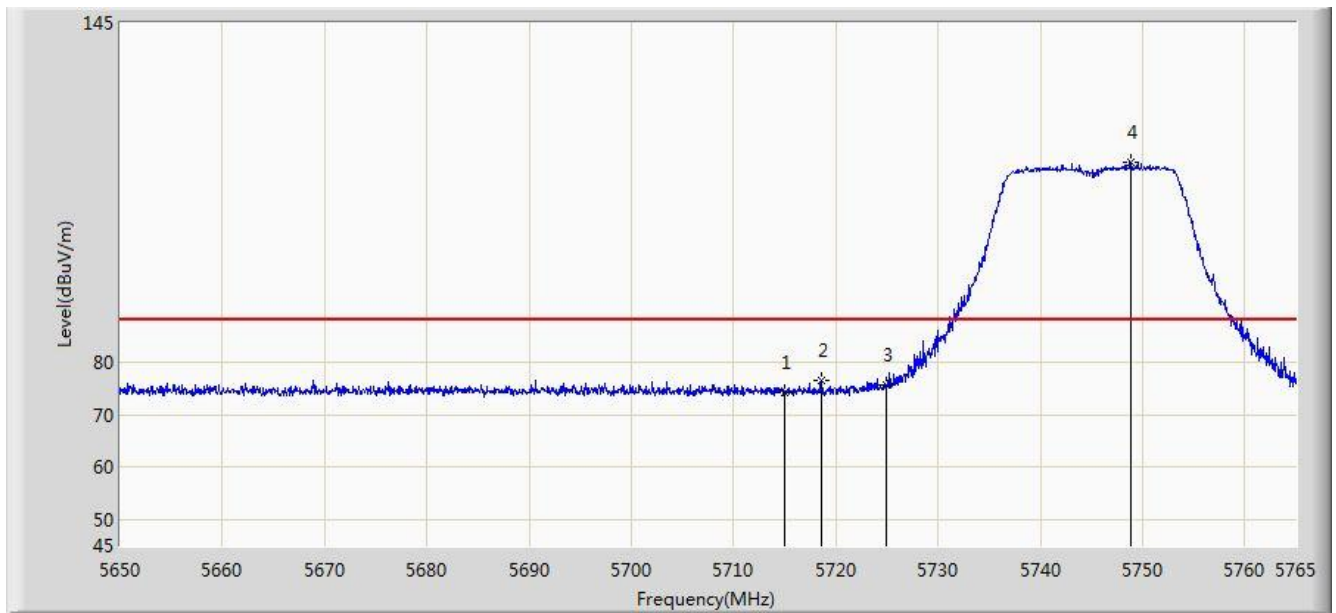
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	74.302	66.530	-13.898	88.200	7.772	PK
2			5718.540	76.602	68.824	-21.598	98.200	7.778	PK
3			5725.000	75.678	67.887	-22.522	98.200	7.791	PK
4		*	5748.900	118.199	110.358	N/A	N/A	7.841	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:46
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.098	54.326	-6.102	68.200	7.772	AV
2			5725.000	63.015	55.224	-15.185	78.200	7.791	AV
3		*	5750.337	104.808	96.964	N/A	N/A	7.843	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:46
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	83.588	75.816	-4.612	88.200	7.772	PK
2			5725.000	96.298	88.507	-1.902	98.200	7.791	PK
3		*	5739.527	138.096	130.274	N/A	N/A	7.822	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
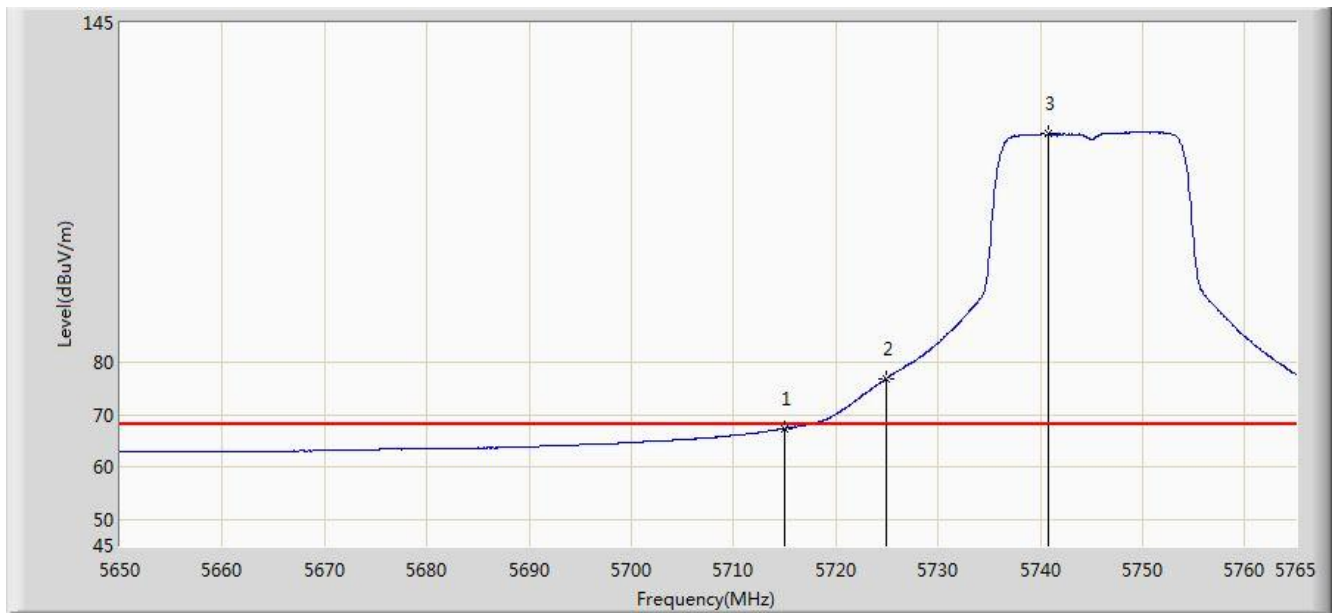
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.377	59.605	-0.823	68.200	7.772	AV
2			5725.000	77.013	69.222	-1.187	78.200	7.791	AV
3		*	5740.792	123.737	115.913	N/A	N/A	7.824	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.200	117.217	109.174	N/A	N/A	8.043	PK
2			5850.000	77.434	69.300	-20.766	98.200	8.134	PK
3			5855.397	79.259	71.095	-18.941	98.200	8.163	PK
4			5860.000	77.029	68.840	-11.171	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.440	104.615	96.573	N/A	N/A	8.042	AV
2			5850.000	64.796	56.662	-13.404	78.200	8.134	AV
3			5860.000	64.697	56.508	-3.503	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.915	138.456	130.414	N/A	N/A	8.043	PK
2			5850.000	89.988	81.854	-8.212	98.200	8.134	PK
3			5860.000	82.654	74.465	-5.546	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	
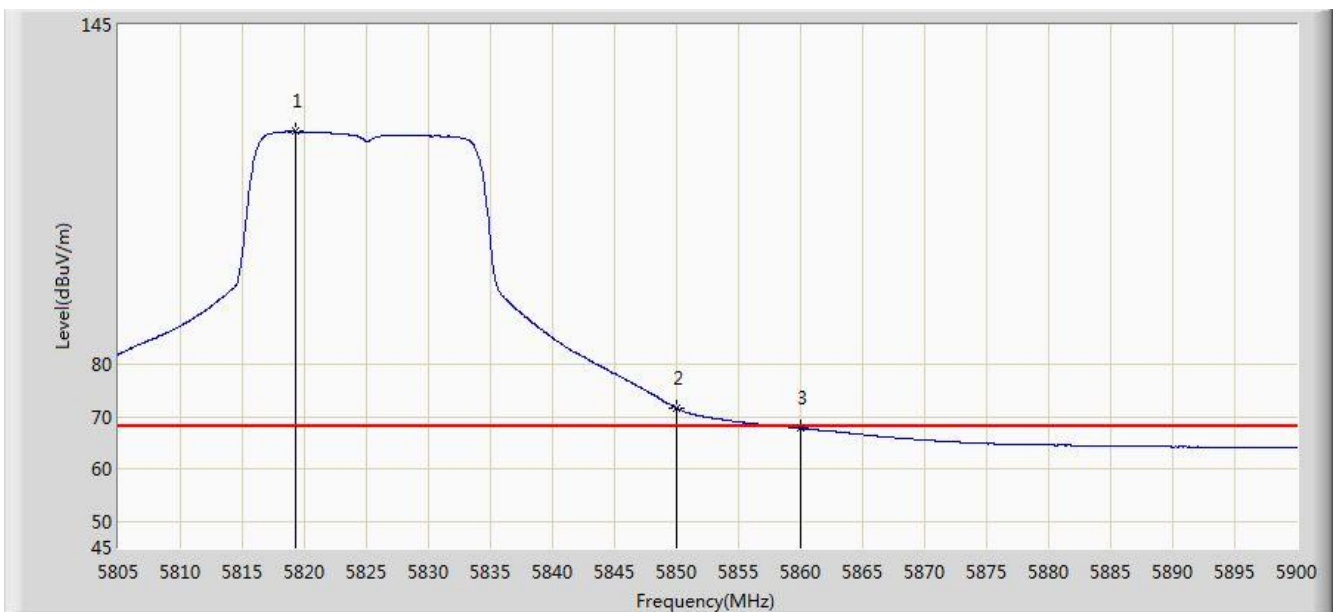
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	124.579	116.537	N/A	N/A	8.042	AV
2			5850.000	71.692	63.558	-6.508	78.200	8.134	AV
3			5860.000	67.845	59.656	-0.355	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
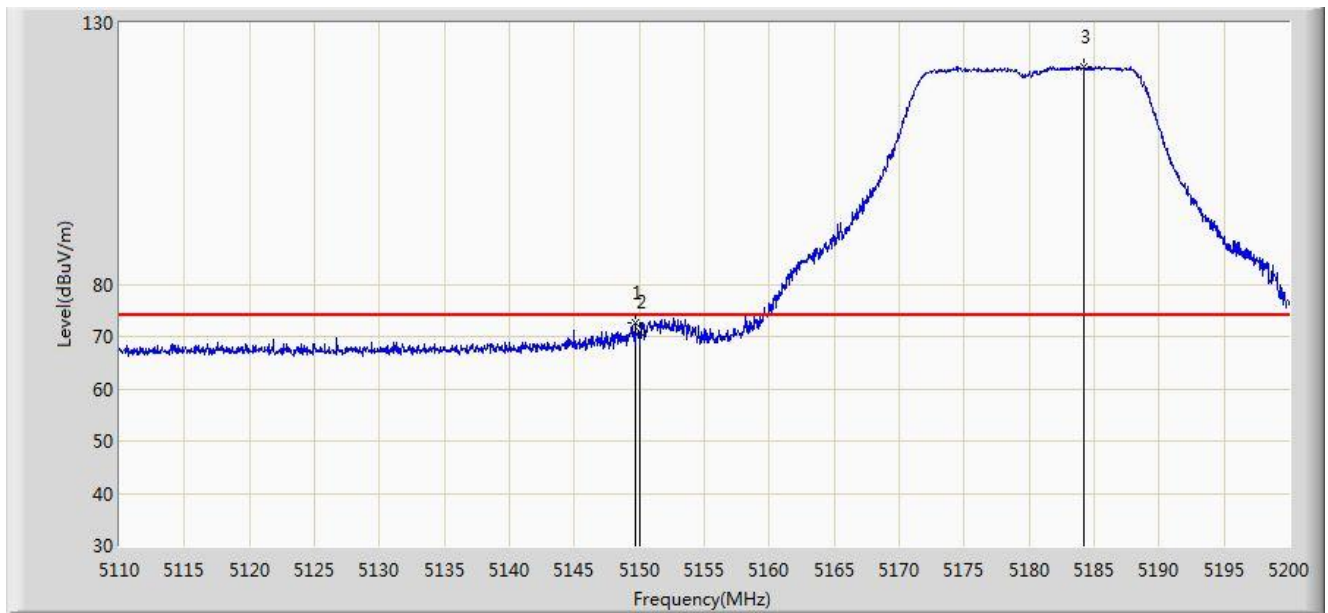
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	72.537	65.361	-1.463	74.000	7.176	PK
2			5150.000	70.727	63.551	-3.273	74.000	7.176	PK
3		*	5184.250	121.536	114.509	N/A	N/A	7.027	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
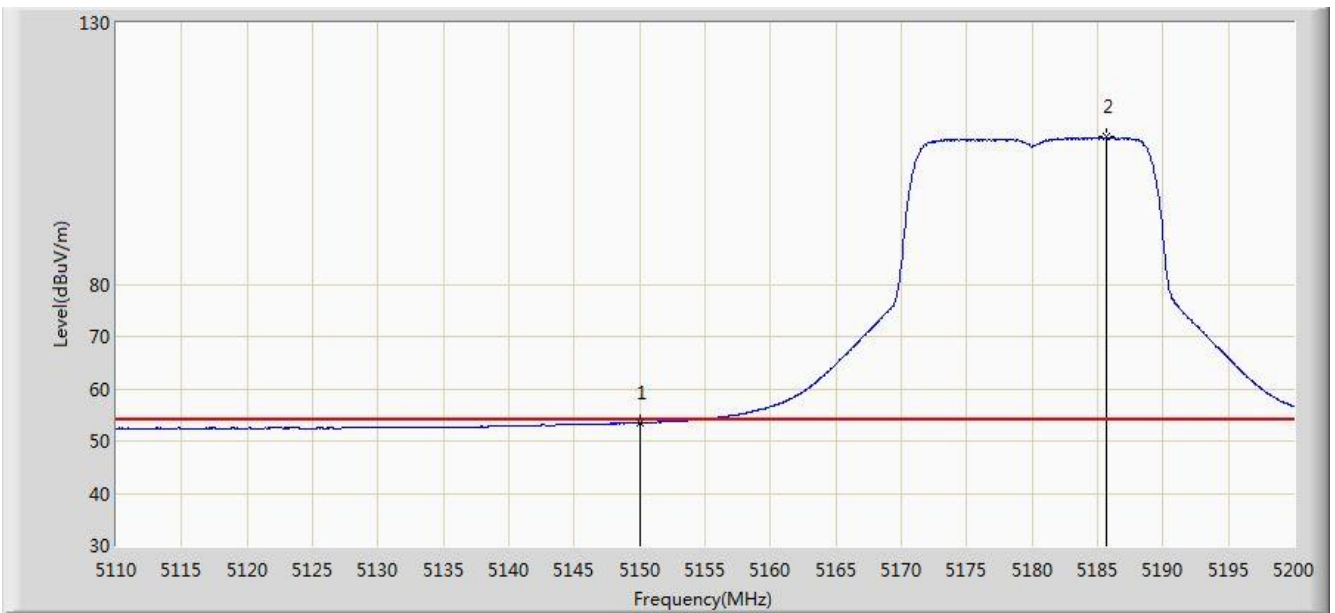
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.476	46.300	-0.524	54.000	7.176	AV
2		*	5185.645	108.126	101.106	N/A	N/A	7.020	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
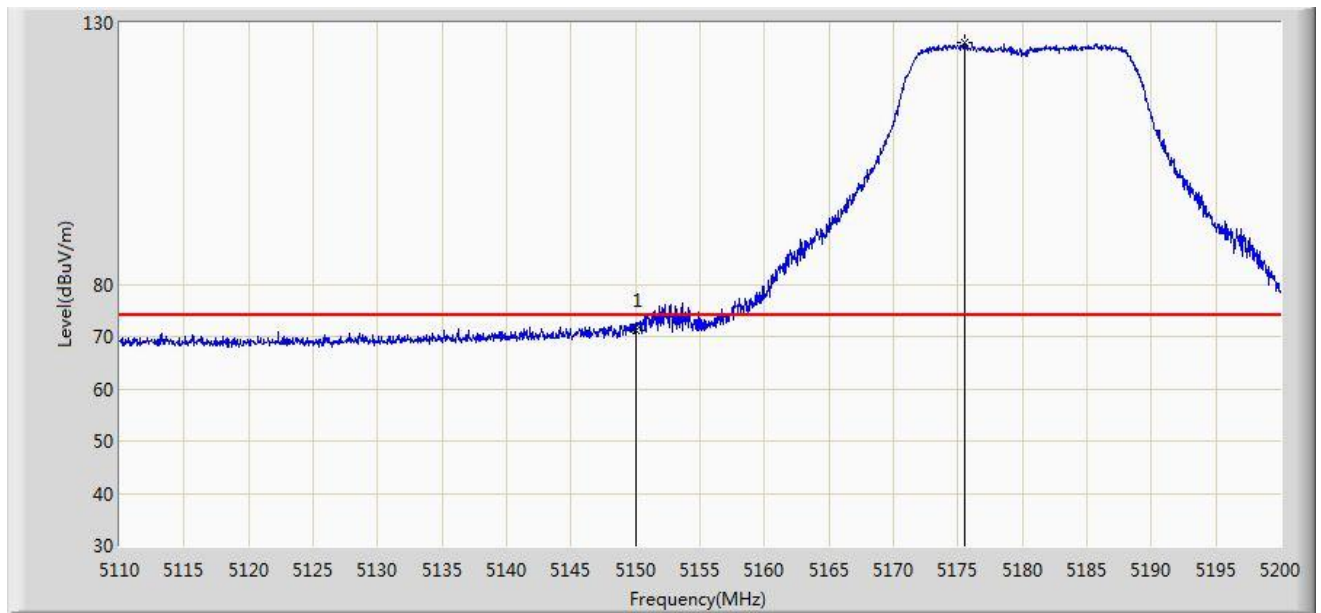
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	71.240	64.064	-2.760	74.000	7.176	PK
2		*	5175.565	126.261	119.178	N/A	N/A	7.083	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
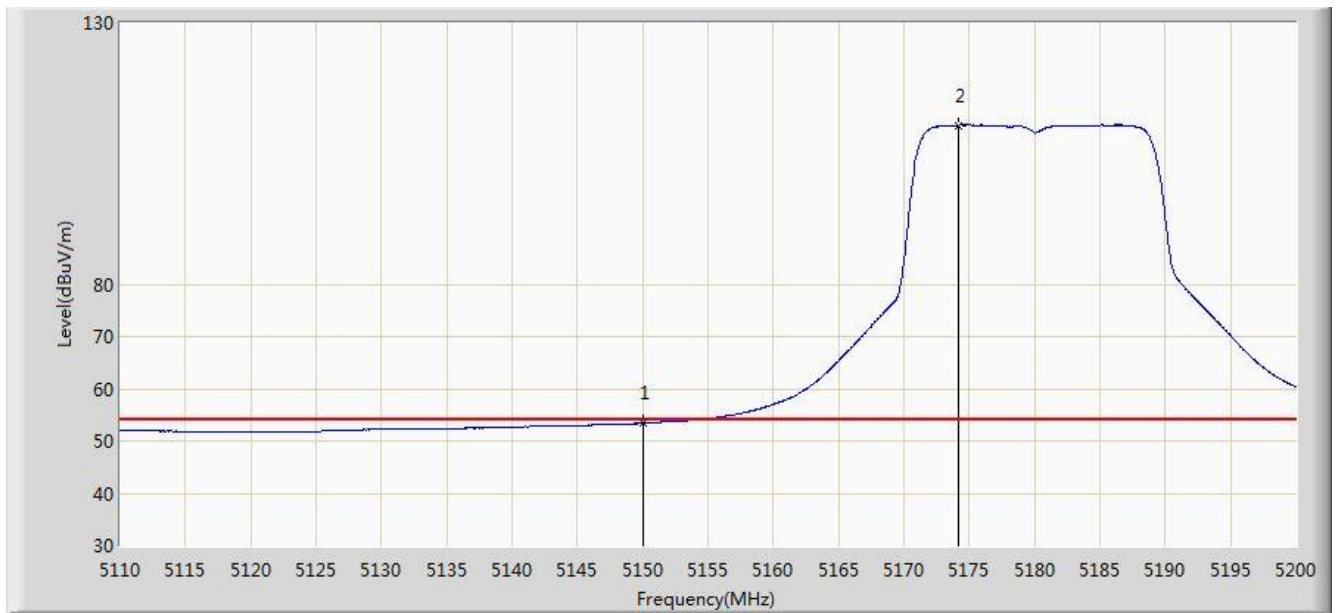
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.414	46.238	-0.586	54.000	7.176	AV
2		*	5174.215	110.426	103.333	N/A	N/A	7.093	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:20
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	
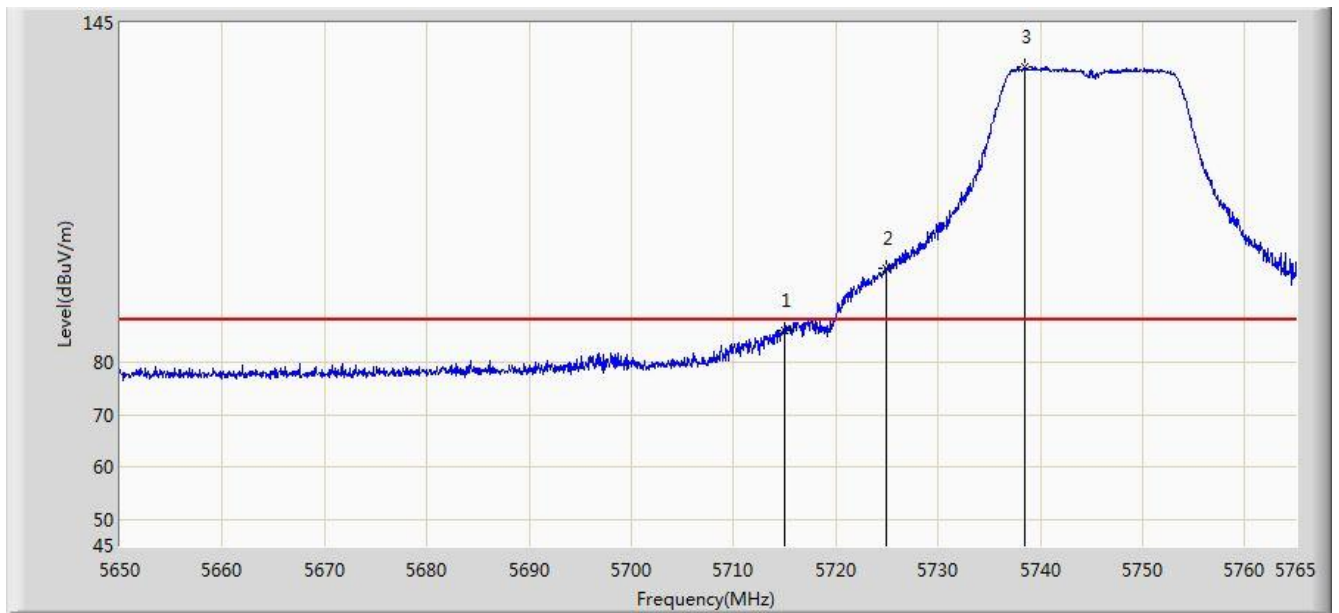
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	86.187	78.415	-2.013	88.200	7.772	PK
2			5725.000	97.905	90.114	-0.295	98.200	7.791	PK
3		*	5738.550	136.526	128.706	N/A	N/A	7.820	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	
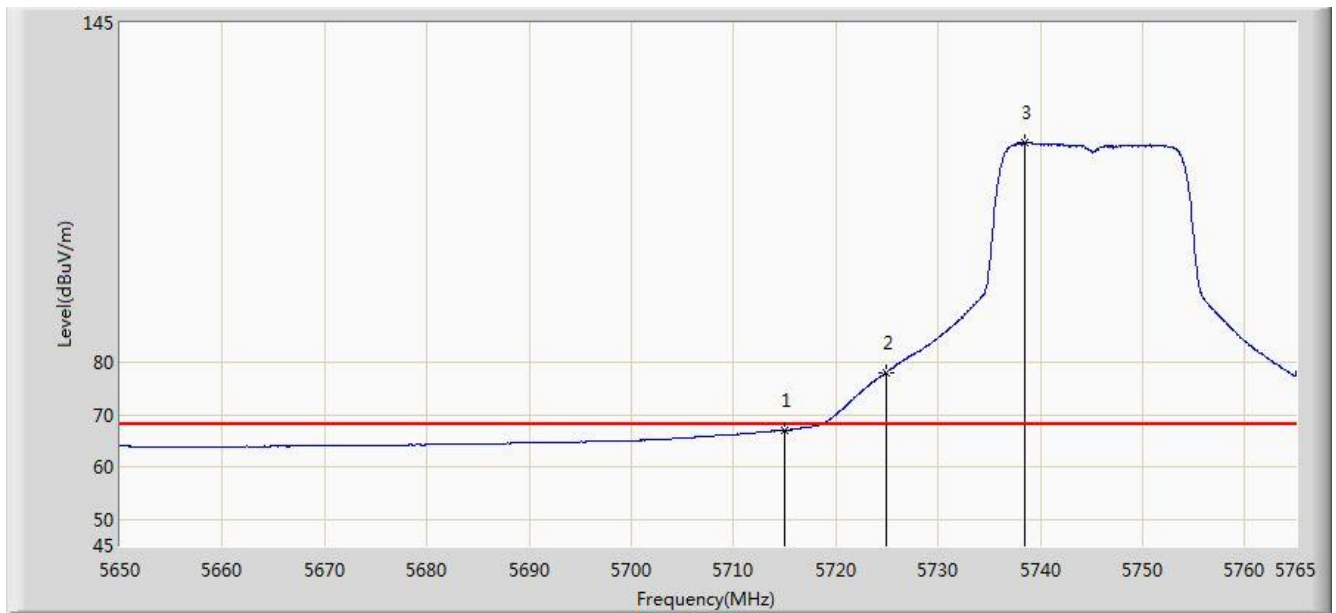
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.073	59.301	-1.127	68.200	7.772	AV
2			5725.000	78.184	70.393	-0.016	78.200	7.791	AV
3		*	5738.493	122.193	114.373	N/A	N/A	7.820	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:29
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	
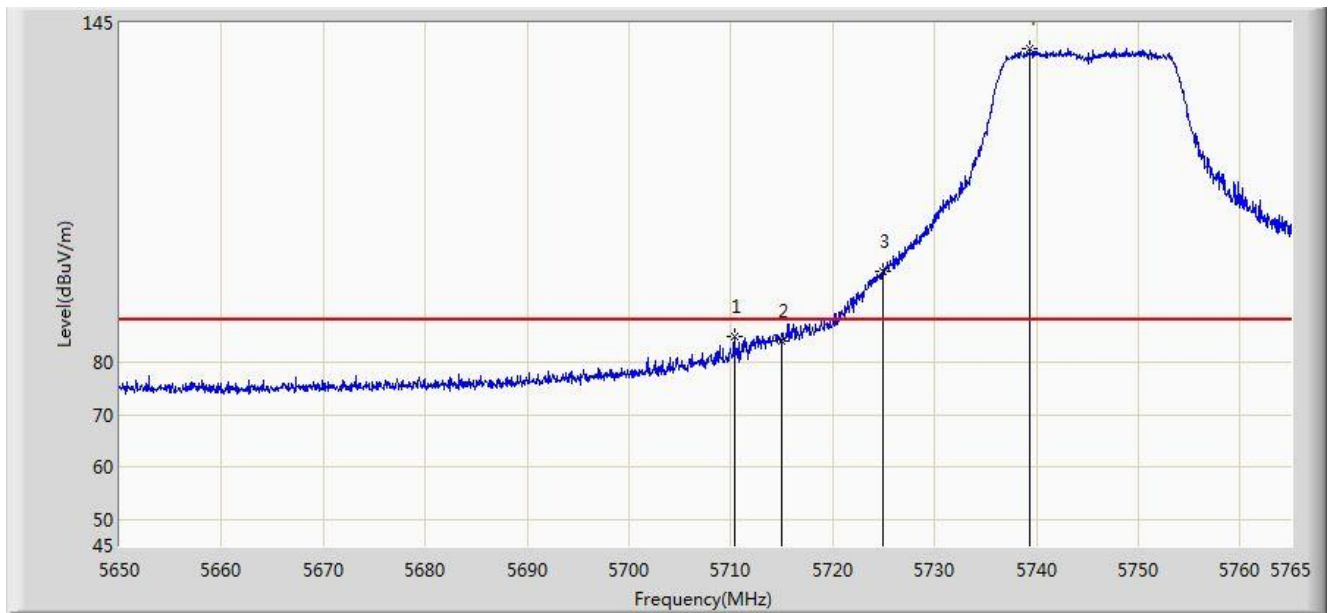
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5710.317	84.997	77.234	-3.203	88.200	7.763	PK
2			5715.000	84.149	76.377	-4.051	88.200	7.772	PK
3			5725.000	97.545	89.754	-0.655	98.200	7.791	PK
4		*	5739.355	139.947	132.125	N/A	N/A	7.822	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:37
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	
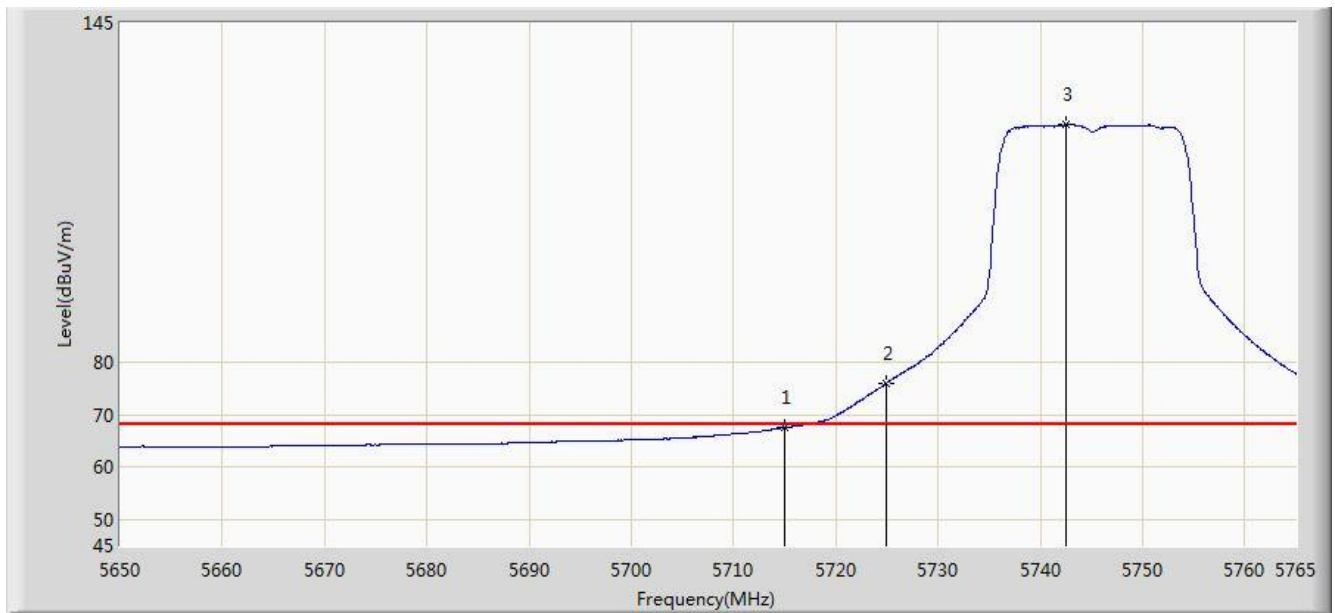
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.504	59.732	-0.696	68.200	7.772	AV
2			5725.000	76.118	68.327	-2.082	78.200	7.791	AV
3		*	5742.518	125.501	117.673	N/A	N/A	7.828	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
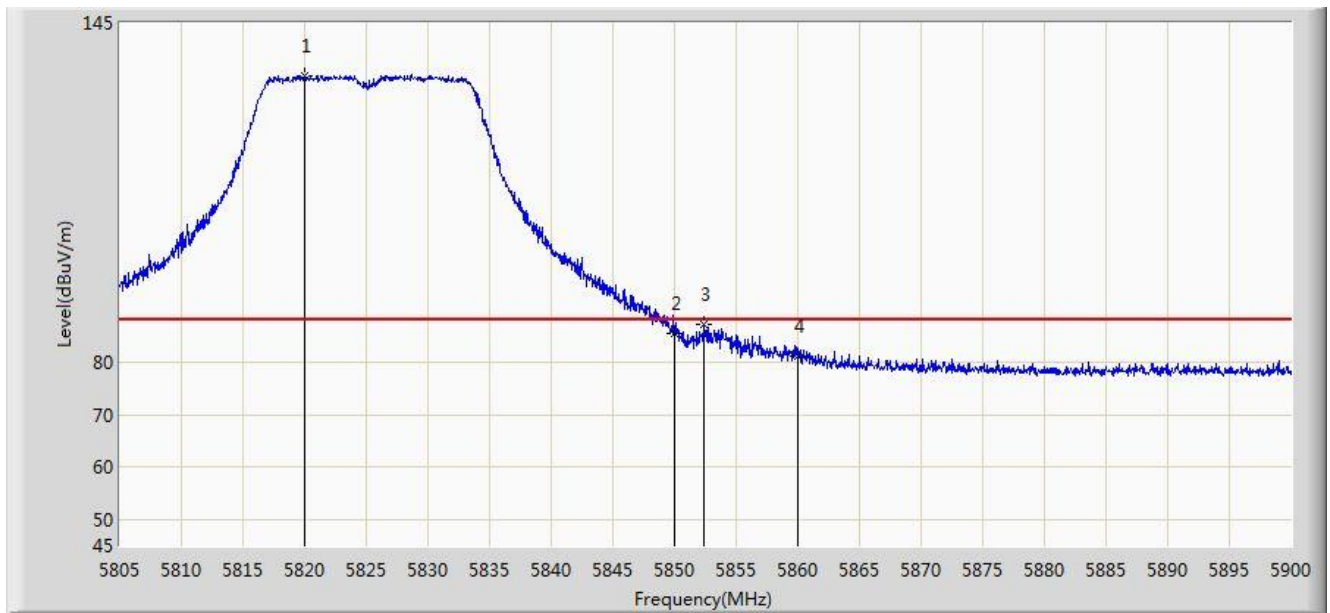
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.010	134.909	126.866	N/A	N/A	8.043	PK
2			5850.000	85.578	77.444	-12.622	98.200	8.134	PK
3			5852.357	87.380	79.233	-10.820	98.200	8.147	PK
4			5860.000	81.271	73.082	-6.929	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

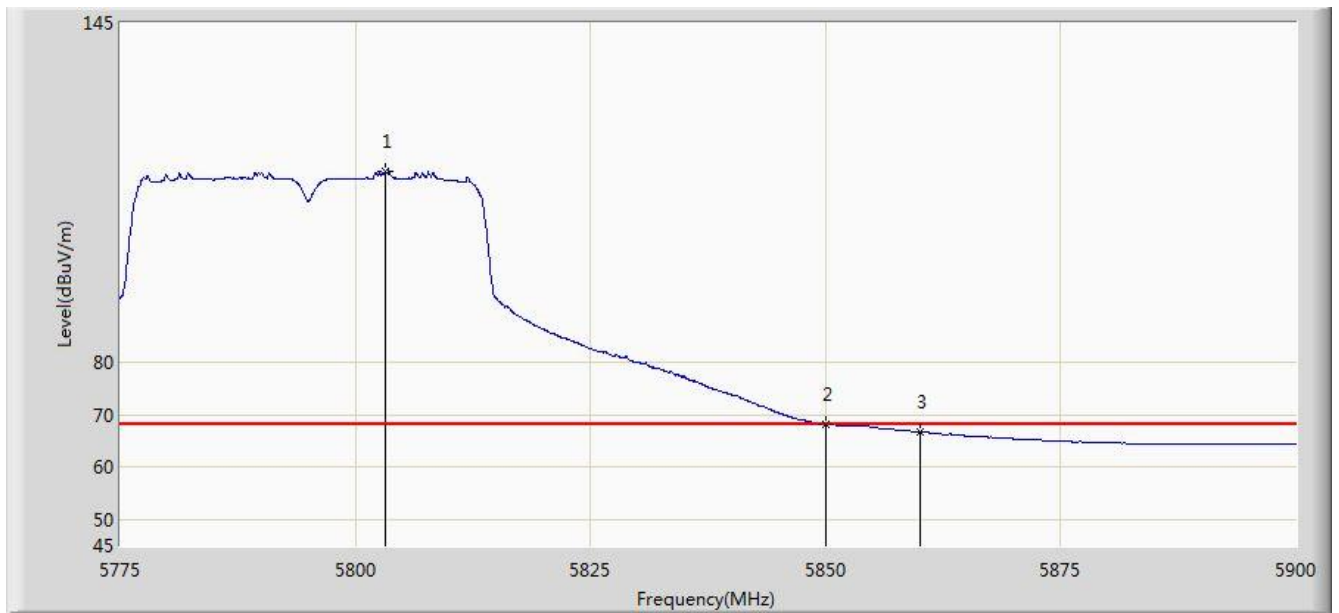| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:40
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
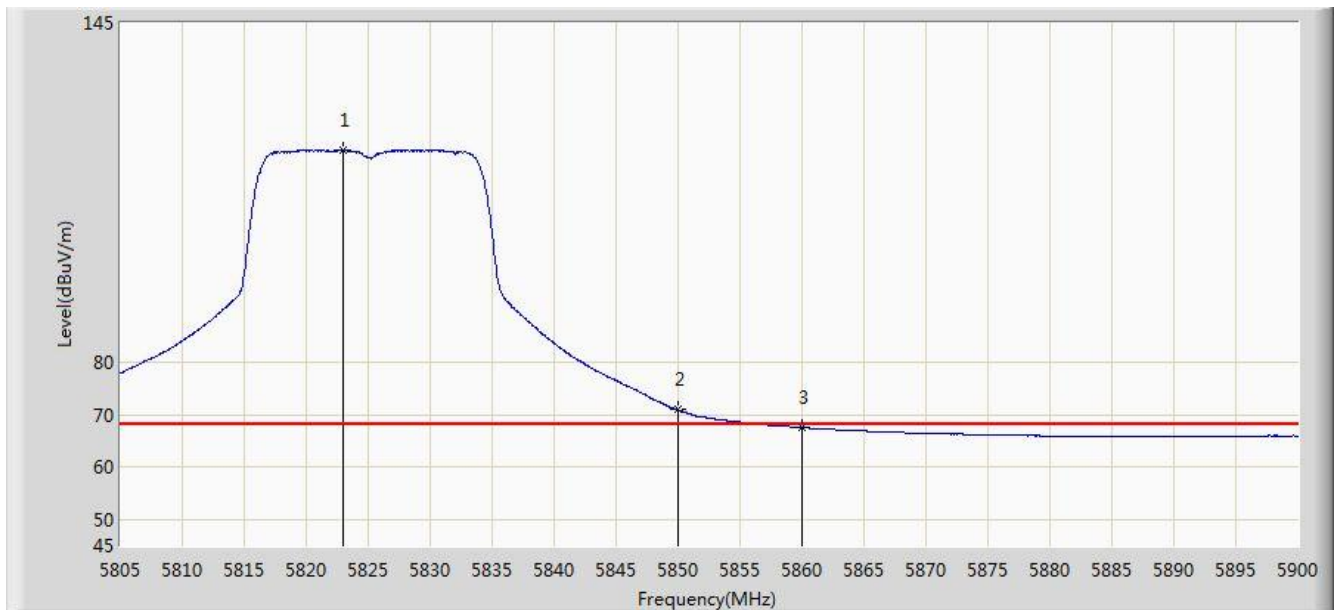
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.955	120.721	112.674	N/A	N/A	8.047	AV
2			5850.000	70.986	62.852	-7.214	78.200	8.134	AV
3			5860.000	67.550	59.361	-0.650	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

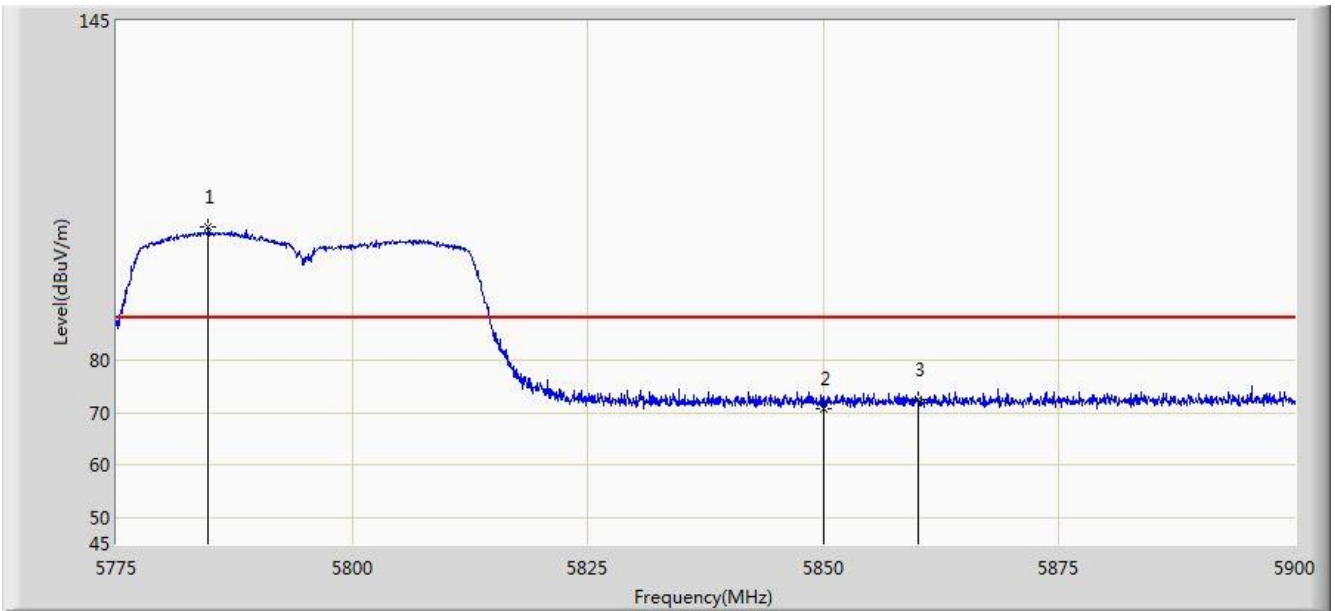| Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:41
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
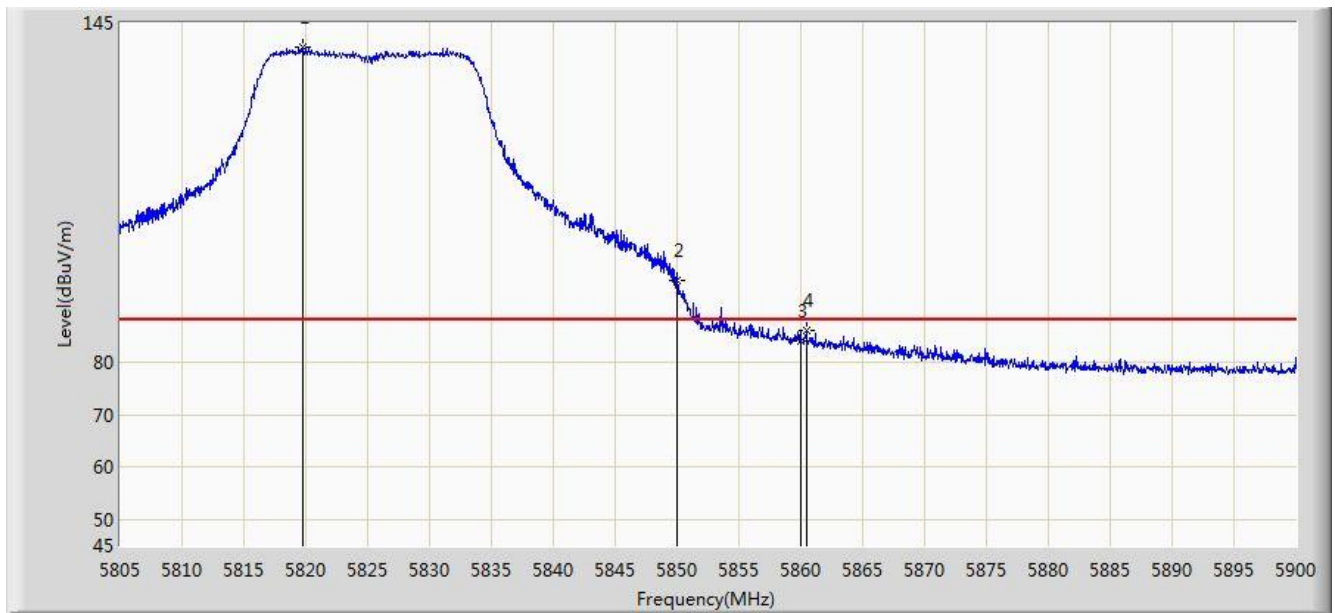
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.820	140.295	132.253	N/A	N/A	8.042	PK
2			5850.000	95.829	87.695	-2.371	98.200	8.134	PK
3			5860.000	84.022	75.833	-4.178	88.200	8.189	PK
4			5860.433	86.148	77.957	-2.052	88.200	8.191	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|		
Engineer: Milo Li		
Site: AC1	Time: 2014/09/25 - 16:46	
Limit: FCC_15.407_RE(3m)	Margin: 0	
Probe: BBHA9120D_1-18GHz	Polarity: Vertical	
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz	
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1		
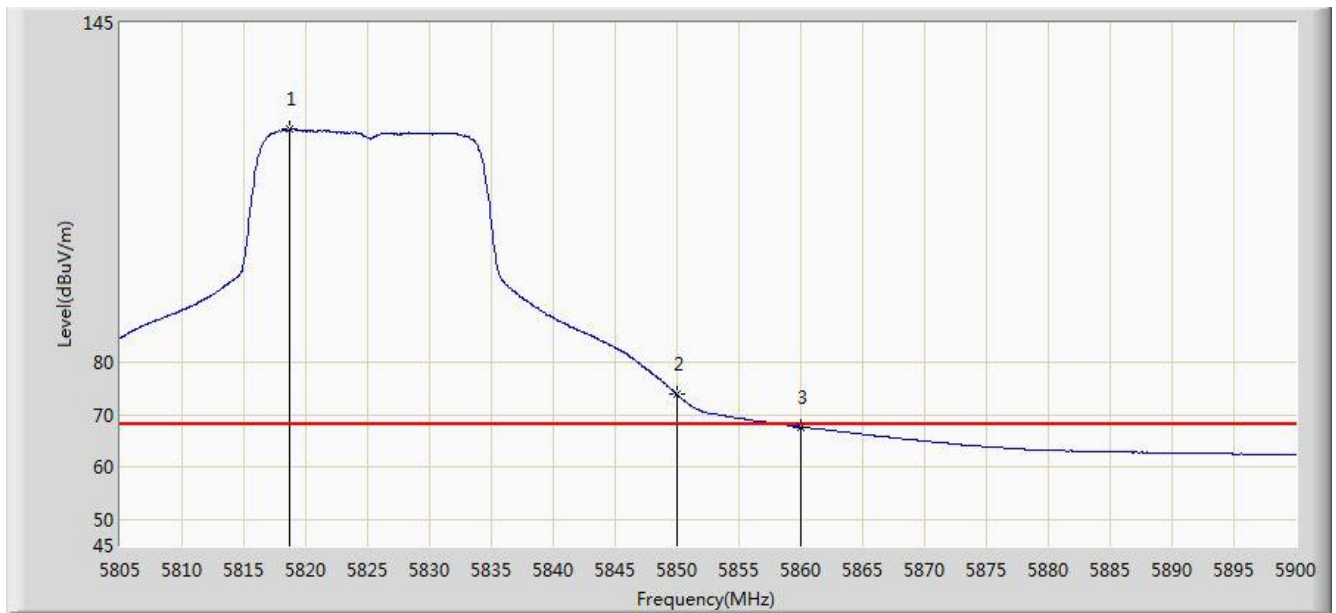
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.728	124.673	116.632	N/A	N/A	8.041	AV
2			5850.000	73.859	65.725	-4.341	78.200	8.134	AV
3			5860.000	67.693	59.504	-0.507	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
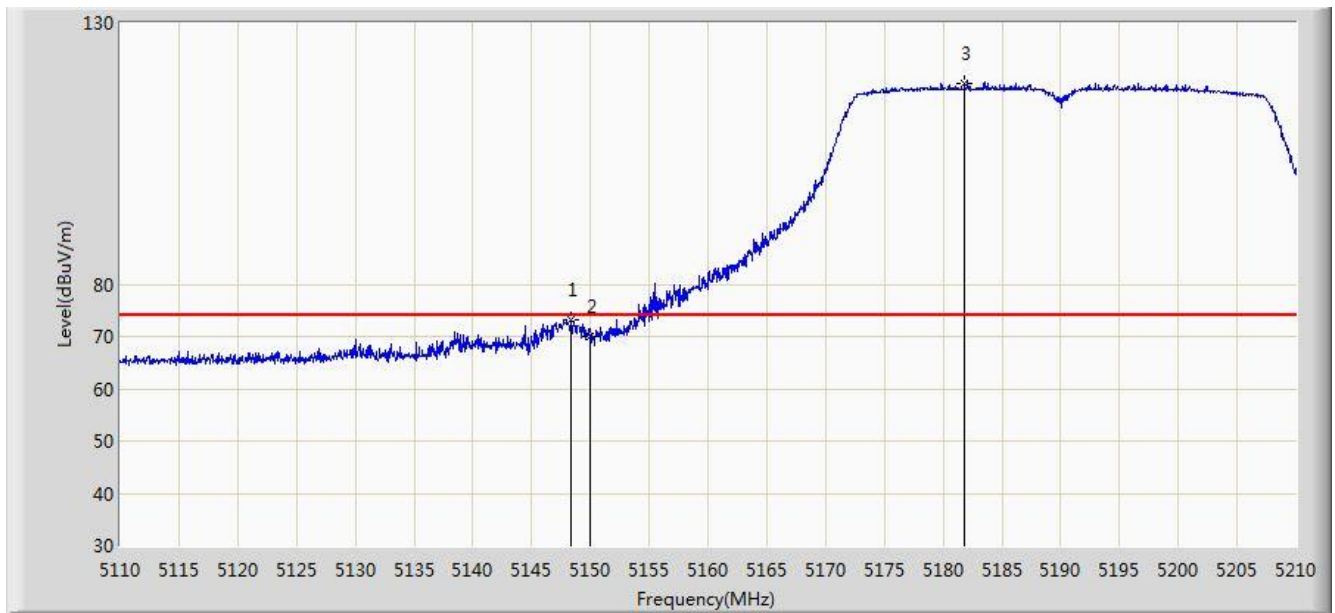
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	73.046	65.869	-0.954	74.000	7.176	PK
2			5150.000	70.115	62.939	-3.885	74.000	7.176	PK
3		*	5181.850	118.476	111.433	N/A	N/A	7.043	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
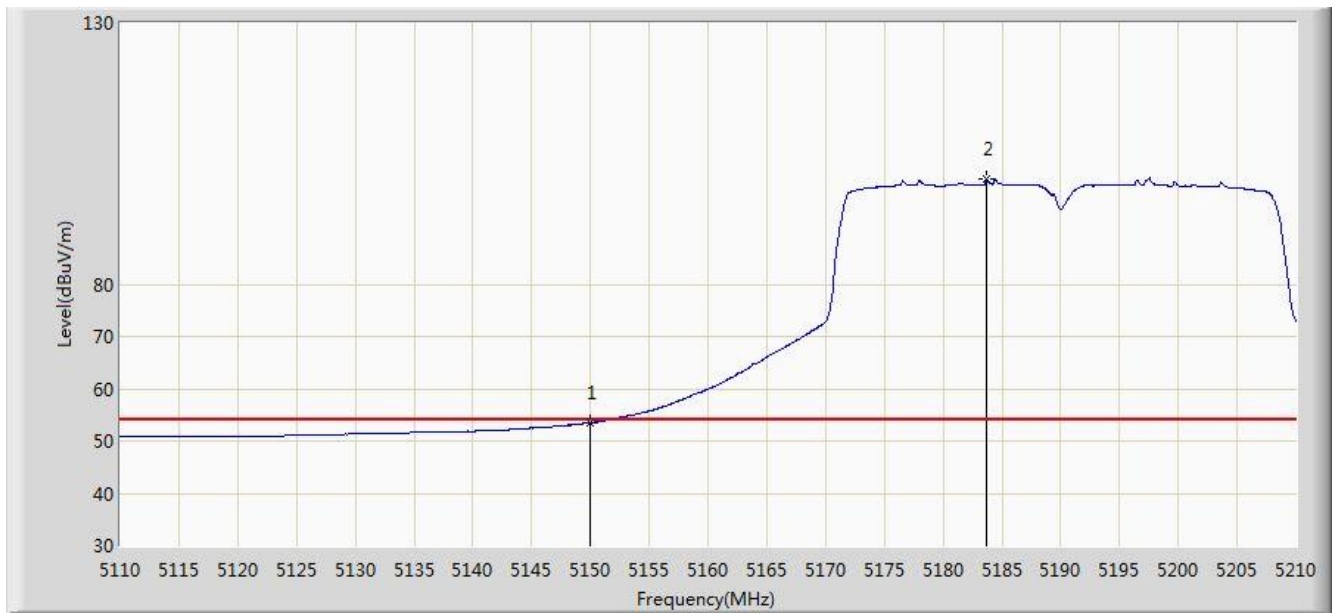
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.556	46.380	-0.444	54.000	7.176	AV
2		*	5183.700	100.067	93.037	N/A	N/A	7.030	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
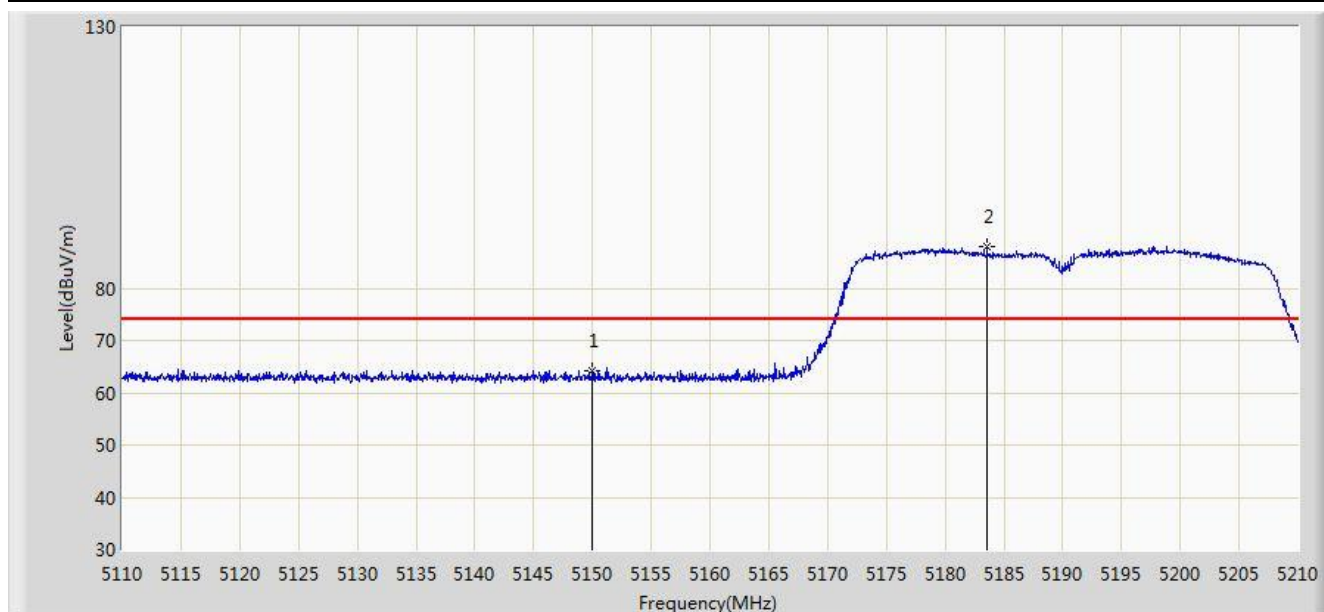
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.144	56.968	-9.856	74.000	7.176	PK
2		*	5183.550	87.929	80.897	N/A	N/A	7.032	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
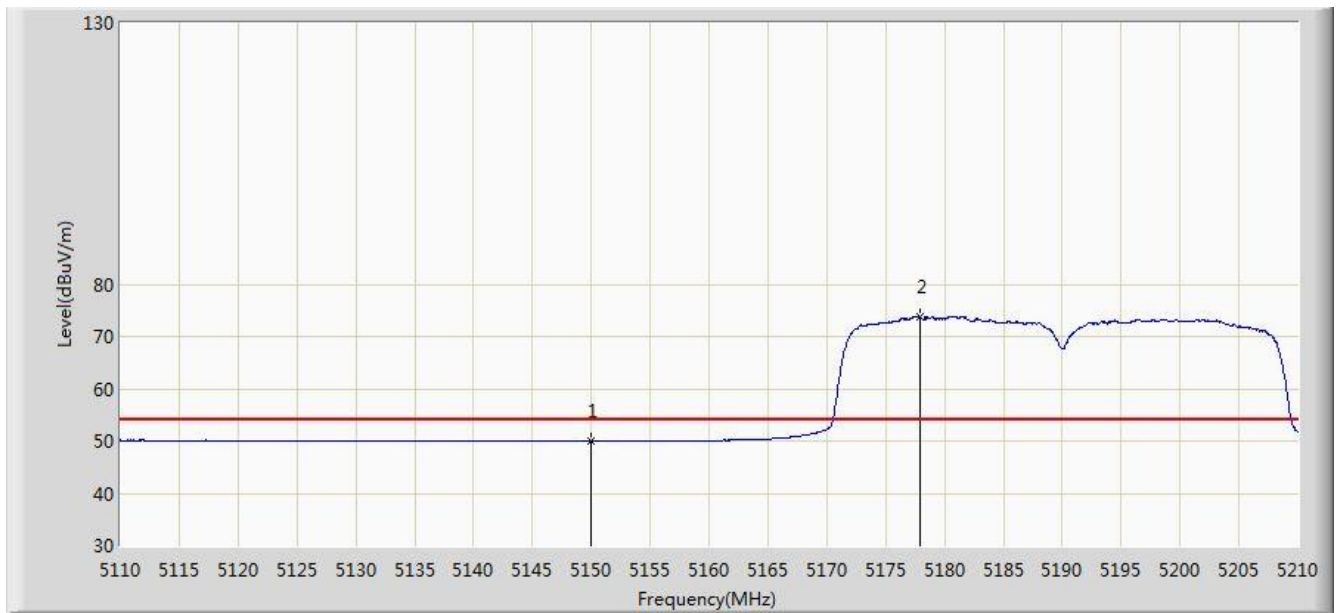
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.042	42.866	-3.958	54.000	7.176	AV
2		*	5177.900	73.689	66.621	N/A	N/A	7.068	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
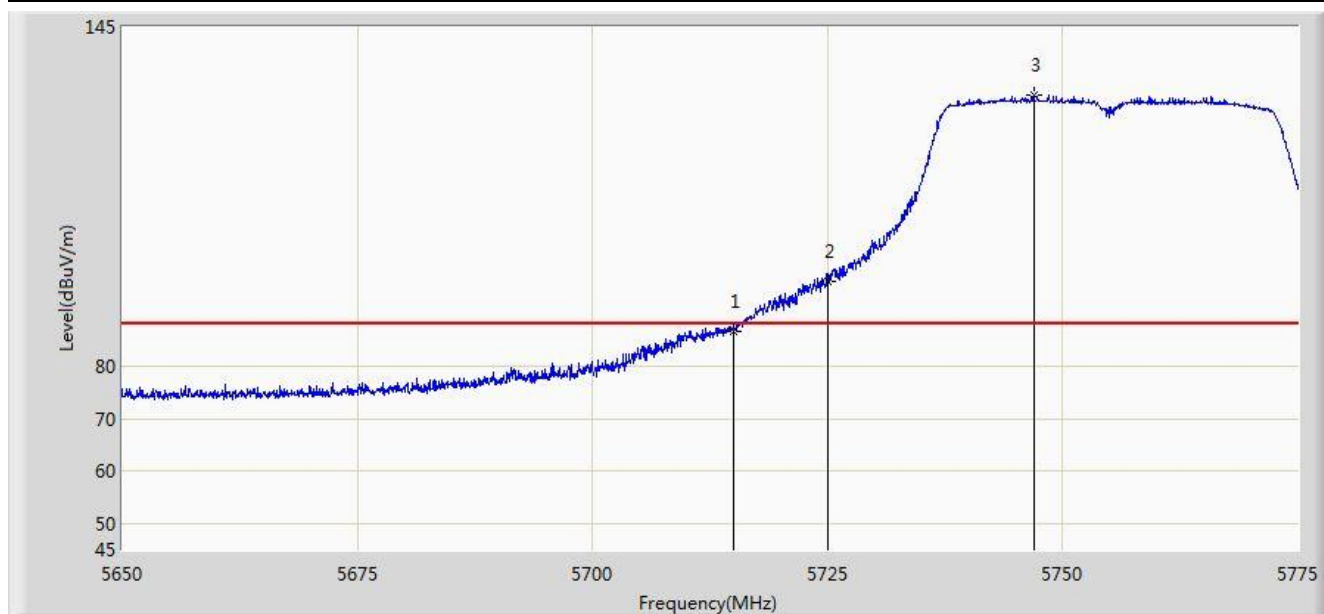
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	86.797	79.025	-1.403	88.200	7.772	PK
2			5725.000	96.394	88.603	-1.806	98.200	7.791	PK
3		*	5746.937	131.999	124.162	N/A	N/A	7.837	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
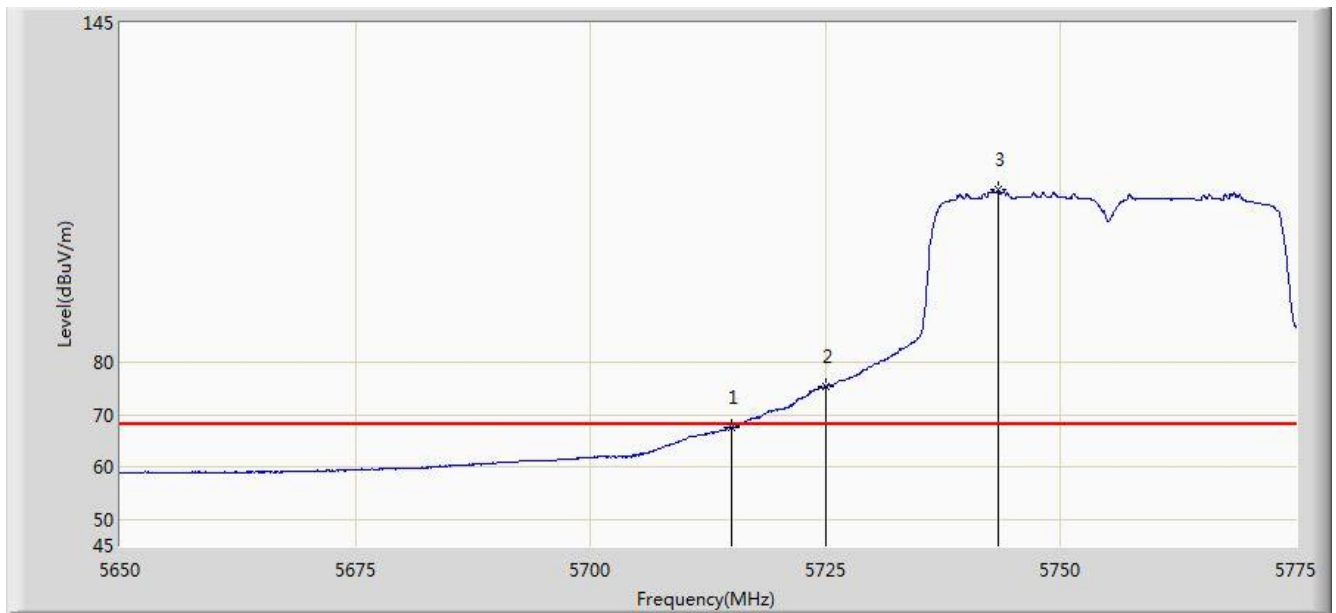
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.478	59.706	-0.722	68.200	7.772	AV
2			5725.000	75.354	67.563	-2.846	78.200	7.791	AV
3		*	5743.375	112.982	105.154	N/A	N/A	7.828	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:11
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
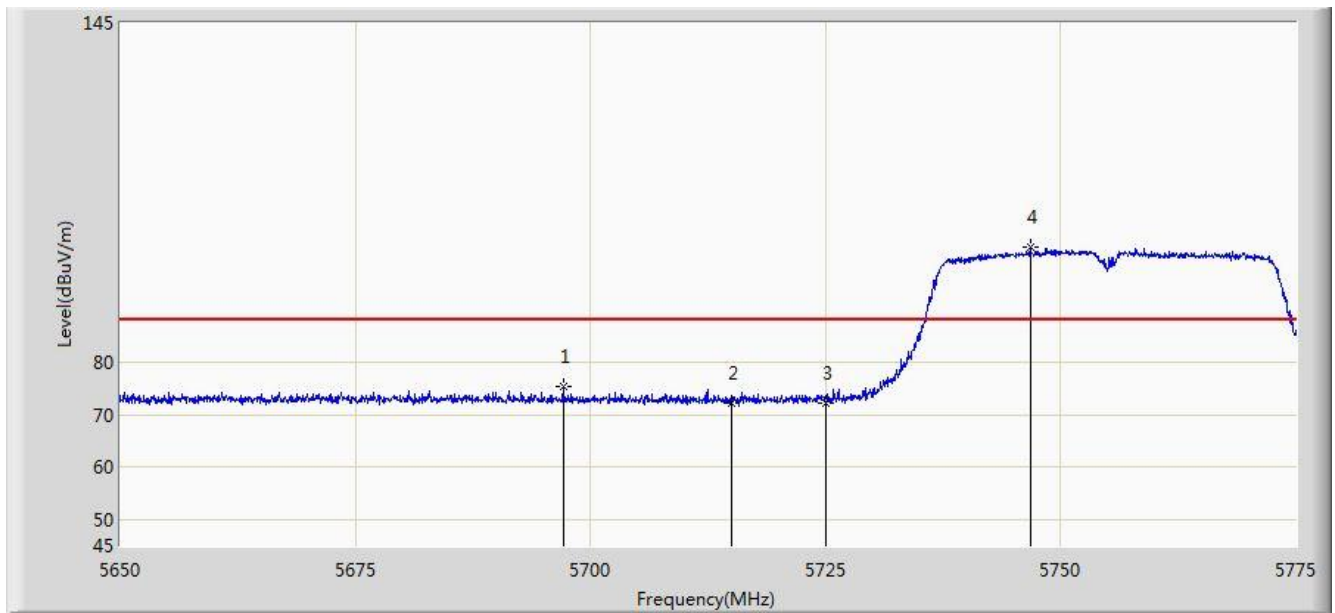
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5697.125	75.370	67.640	-12.830	88.200	7.731	PK
2			5715.000	72.104	64.332	-16.096	88.200	7.772	PK
3			5725.000	72.381	64.590	-25.819	98.200	7.791	PK
4		*	5746.750	102.233	94.397	N/A	N/A	7.836	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:12
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
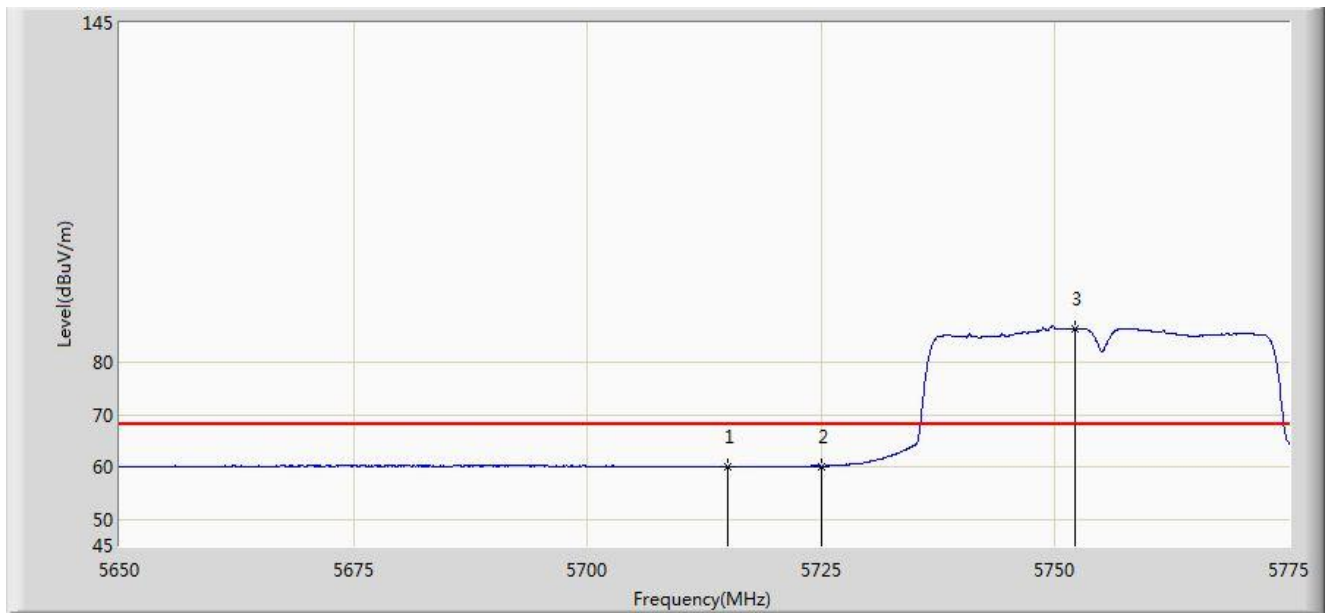
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.148	52.376	-8.052	68.200	7.772	AV
2			5725.000	60.196	52.405	-18.004	78.200	7.791	AV
3		*	5752.187	86.548	78.700	N/A	N/A	7.848	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:15
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
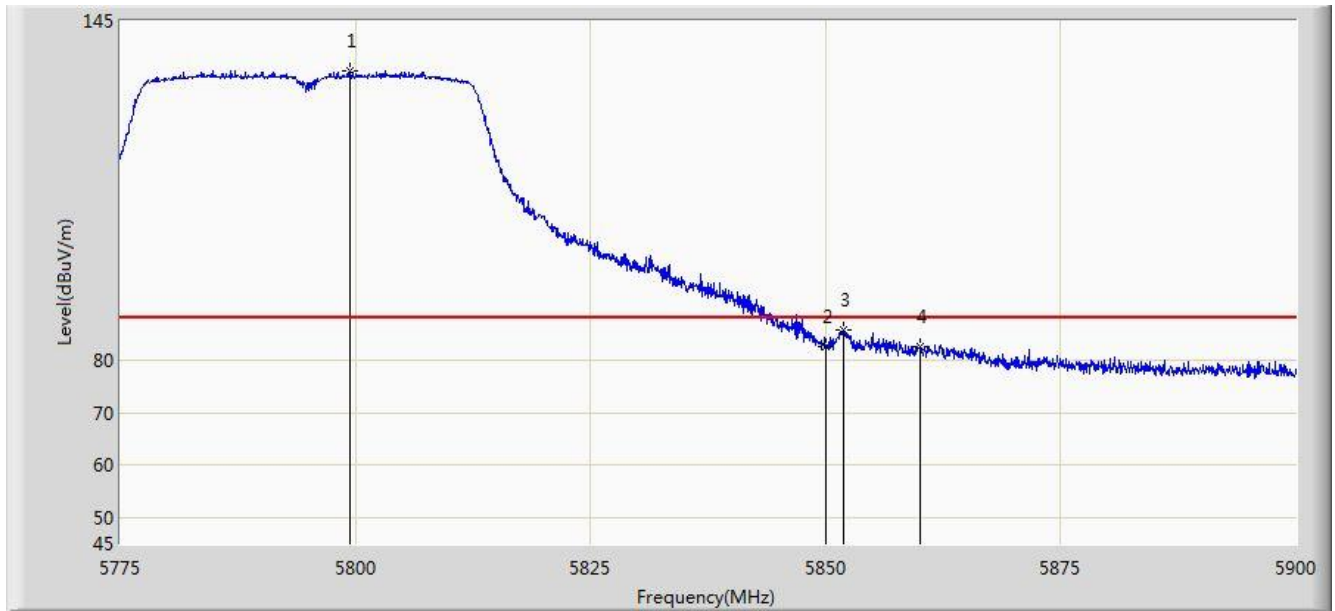
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.375	135.475	127.479	N/A	N/A	7.996	PK
2			5850.000	82.673	74.539	-15.527	98.200	8.134	PK
3			5851.937	86.010	77.865	-12.190	988.200	8.144	PK
4			5860.000	82.616	74.427	-5.584	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:16
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5803.125	116.689	108.683	N/A	N/A	8.006	AV
2			5850.000	68.186	60.052	-10.014	78.200	8.134	AV
3			5860.000	66.855	58.666	-1.345	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:16
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.750	105.463	97.516	N/A	N/A	7.946	PK
2			5850.000	70.888	62.754	-27.312	98.200	8.134	PK
3			5860.000	72.490	64.301	-15.710	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:17
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
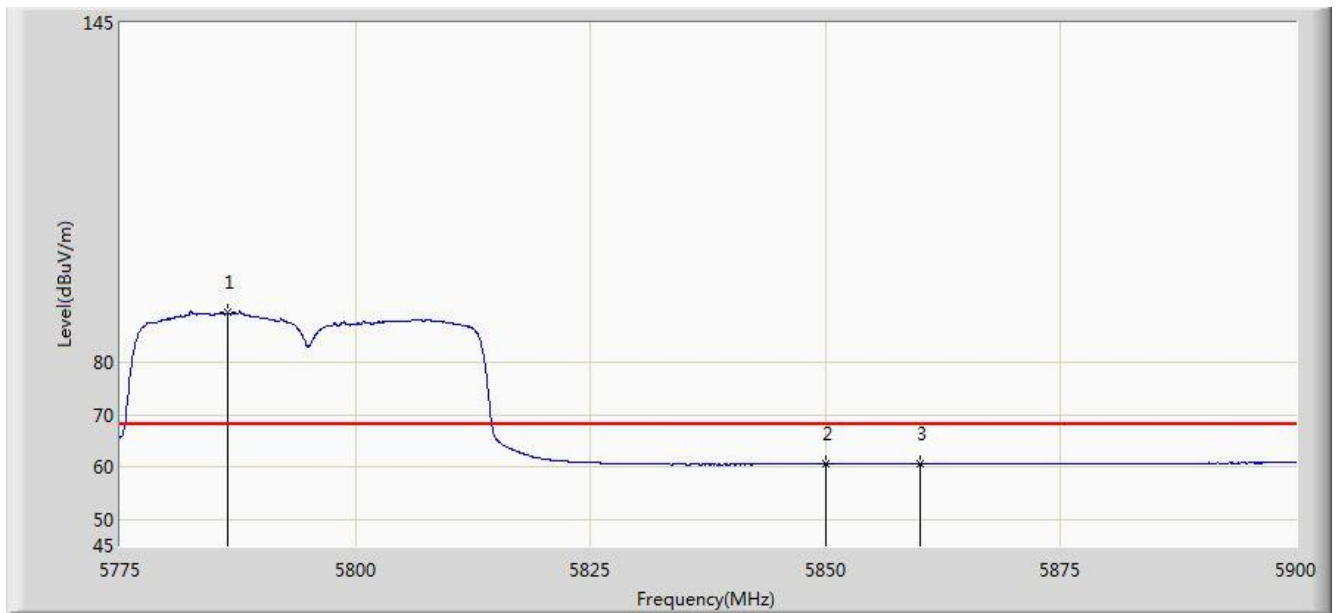
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.437	89.627	81.674	N/A	N/A	7.953	AV
2			5850.000	60.586	52.452	-17.614	78.200	8.134	AV
3			5860.000	60.636	52.447	-7.564	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
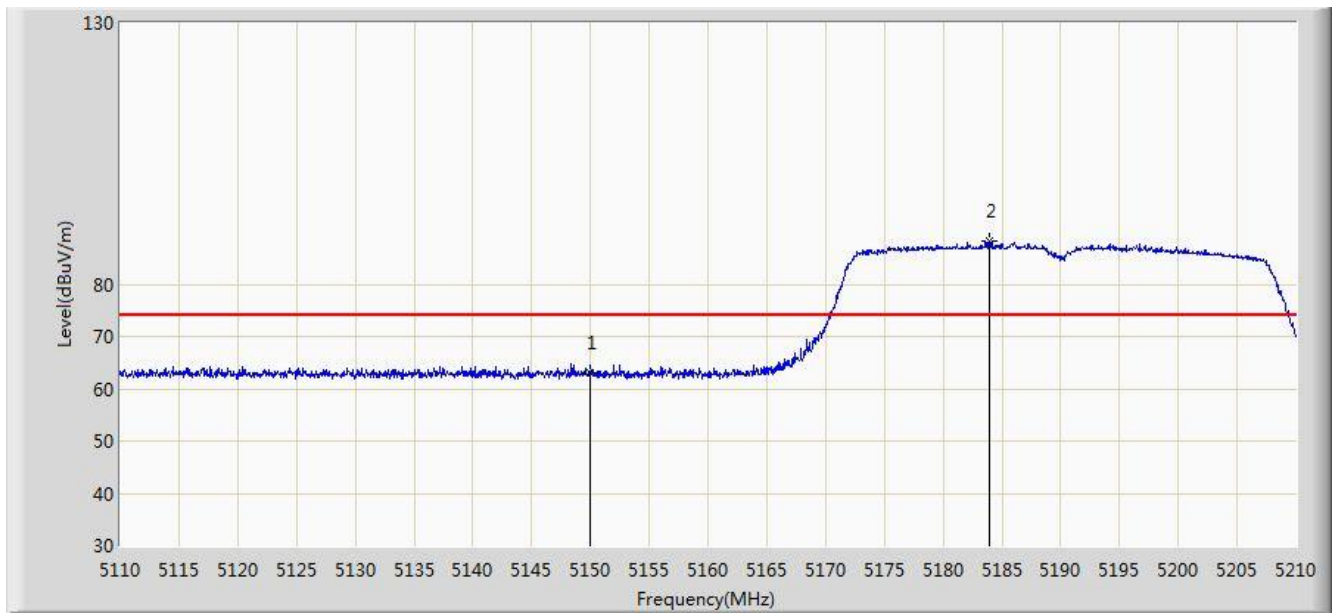
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.138	55.962	-10.862	74.000	7.176	PK
2		*	5183.950	88.311	81.282	N/A	N/A	7.028	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
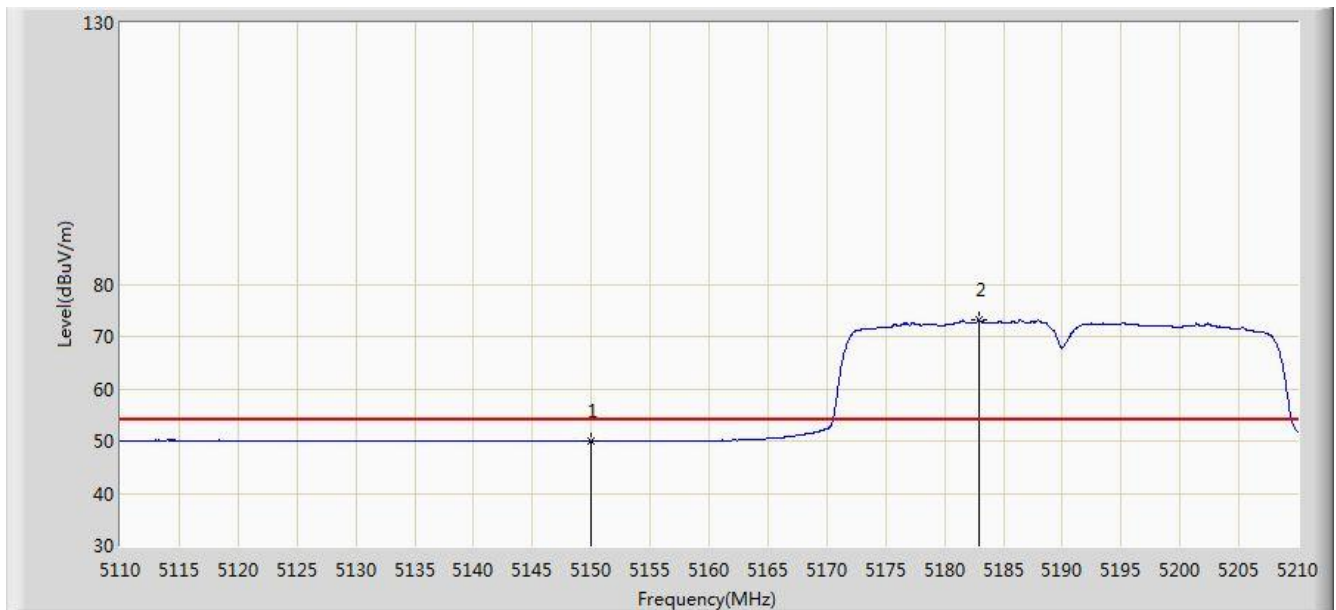
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.993	42.817	-4.007	54.000	7.176	AV
2		*	5182.900	73.067	66.031	N/A	N/A	7.036	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
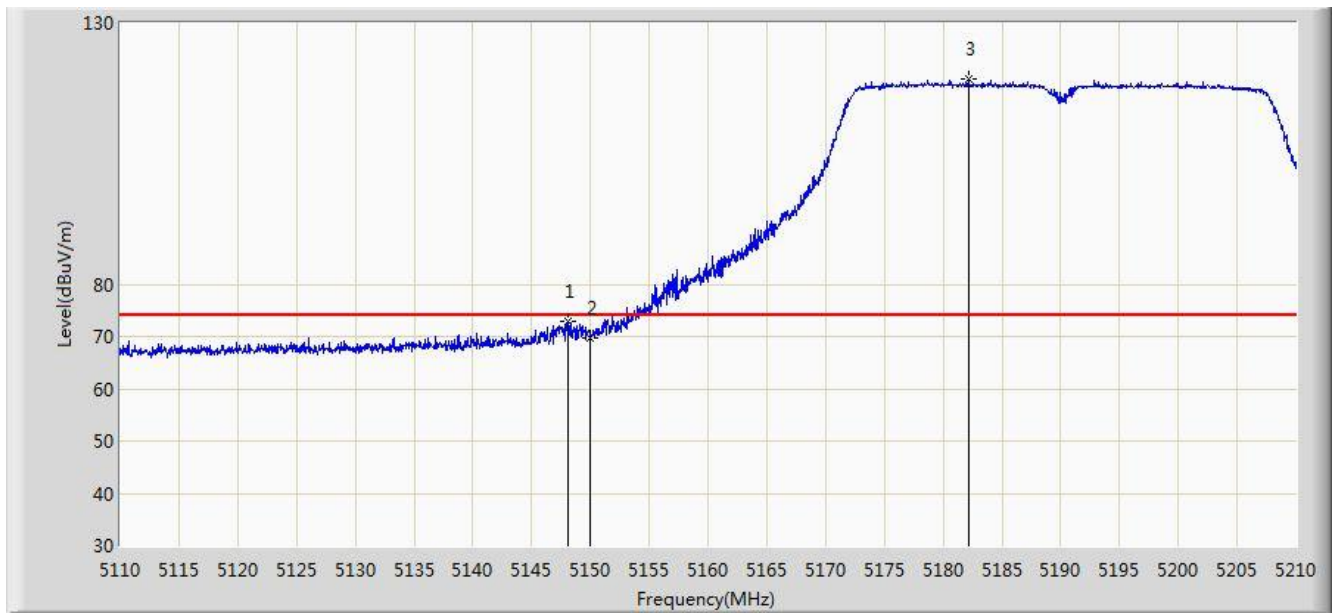
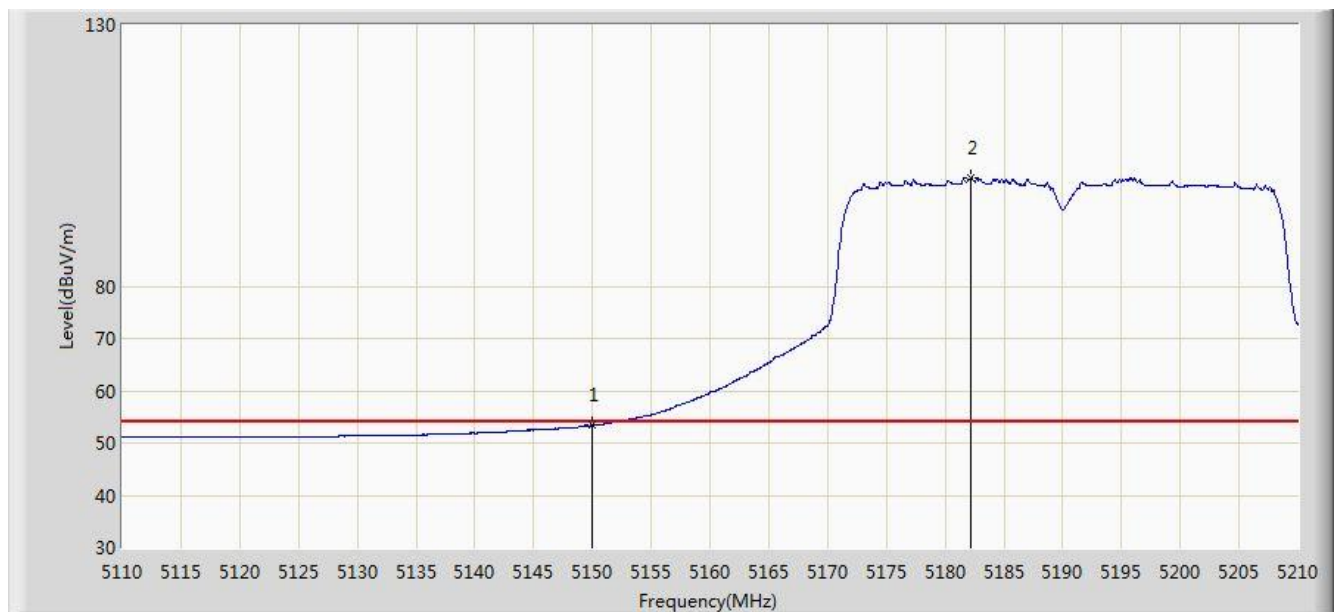
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.050	72.824	65.647	-1.176	74.000	7.177	PK
2			5150.000	69.854	62.678	-4.146	74.000	7.176	PK
3		*	5182.150	119.348	112.308	N/A	N/A	7.040	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
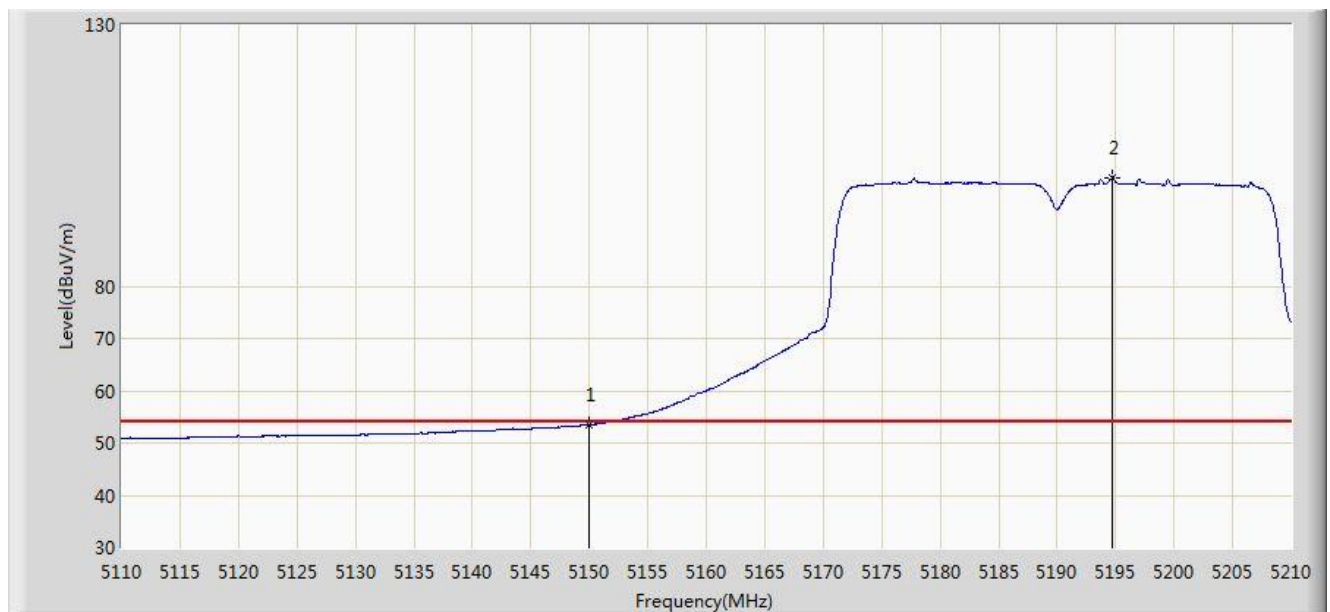
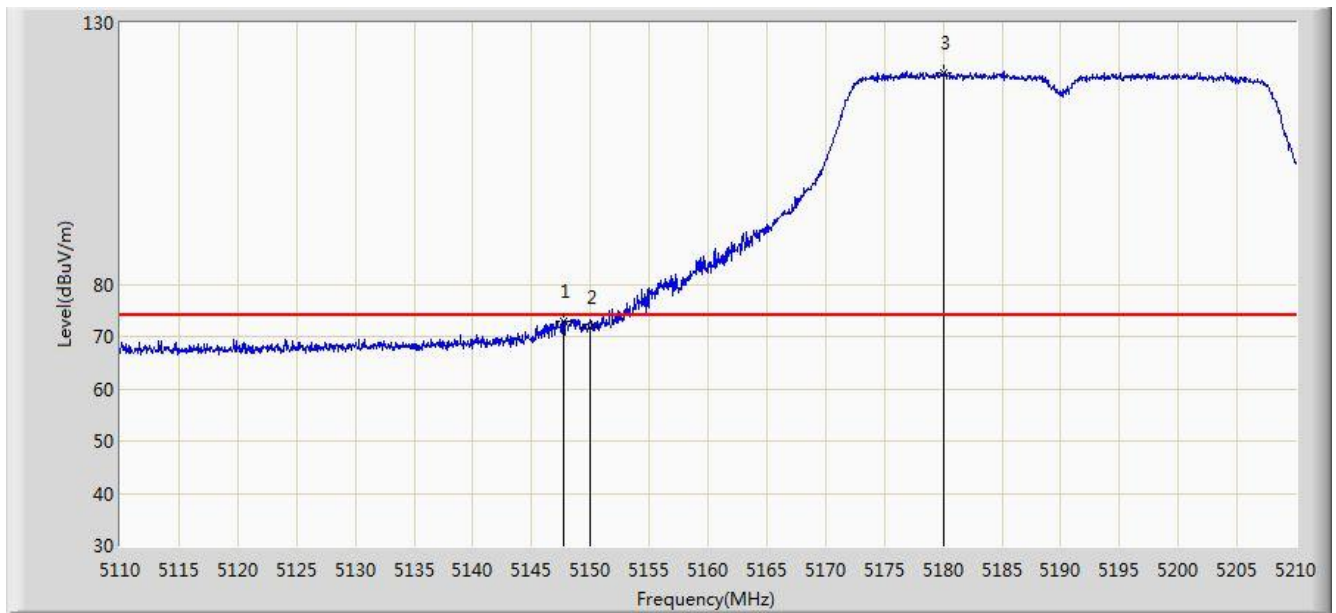
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.519	46.343	-0.481	54.000	7.176	AV
2		*	5194.700	100.833	93.868	N/A	N/A	6.965	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:31
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
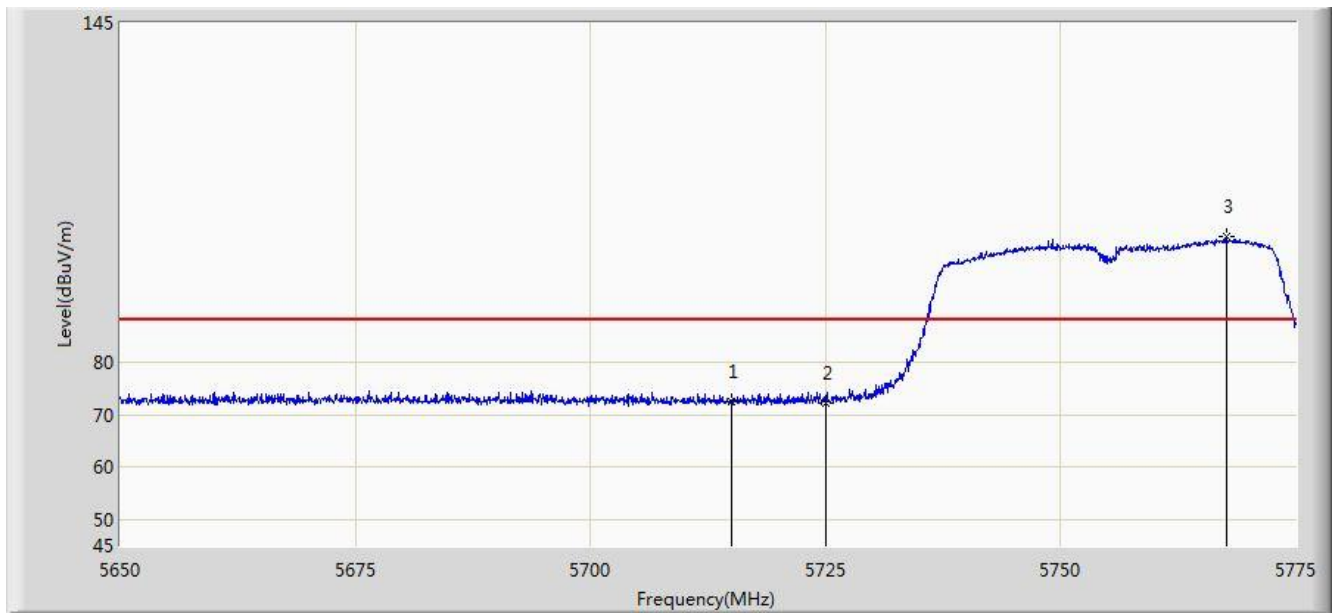
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.416	64.644	-15.784	88.200	7.772	PK
2			5725.000	72.198	64.407	-26.002	98.200	7.791	PK
3		*	5767.625	104.091	96.204	N/A	N/A	7.887	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:35
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
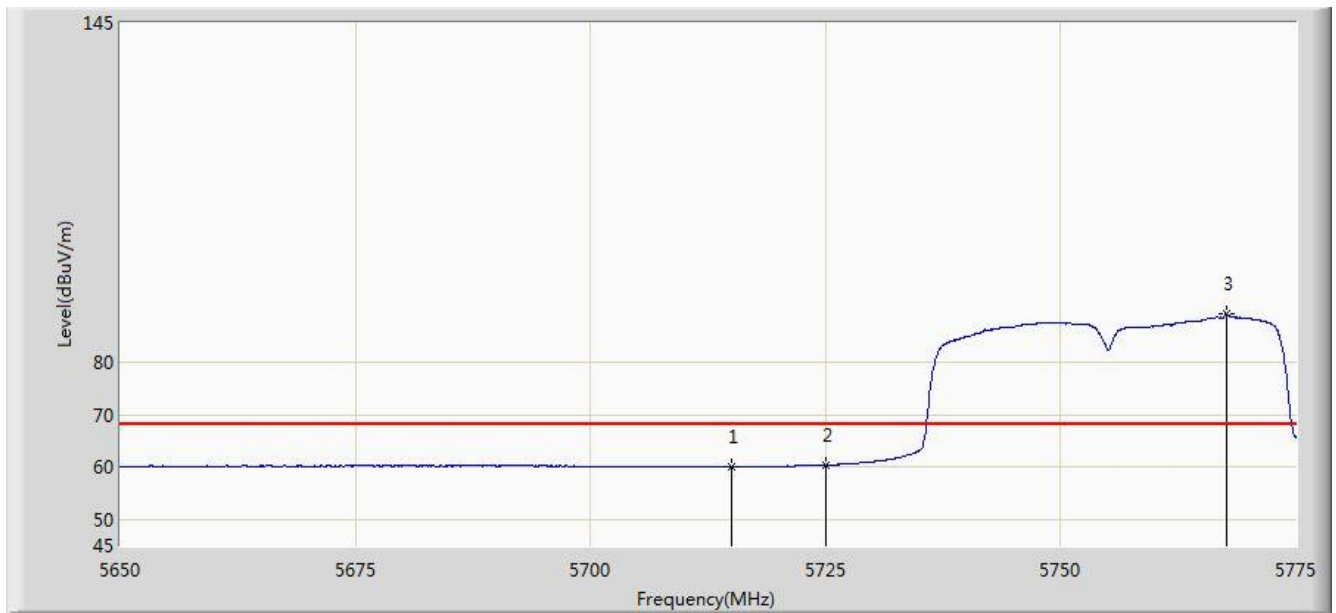
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.153	52.381	-8.047	68.200	7.772	AV
2			5725.000	60.371	52.580	-17.829	78.200	7.791	AV
3		*	5767.562	89.266	81.379	N/A	N/A	7.887	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:39
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
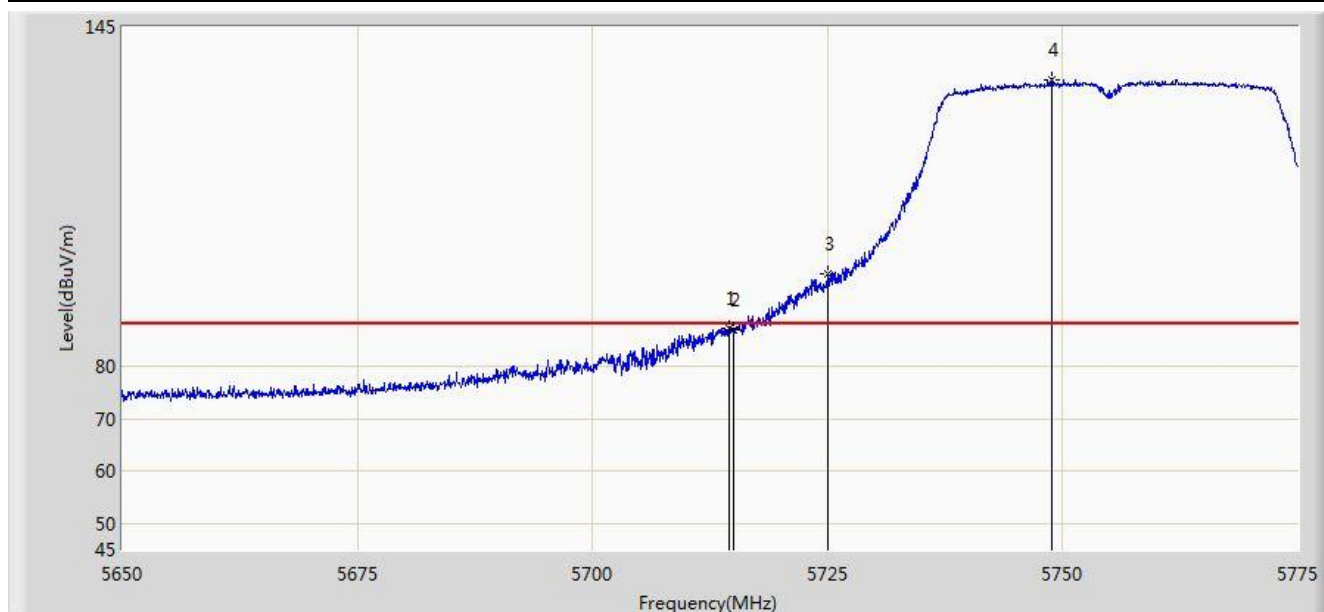
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.500	87.414	79.643	-0.786	88.200	7.771	PK
2			5715.000	87.150	79.378	-1.050	88.200	7.772	PK
3			5725.000	97.685	89.894	-0.515	98.200	7.791	PK
4		*	5748.812	134.910	127.070	N/A	N/A	7.840	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
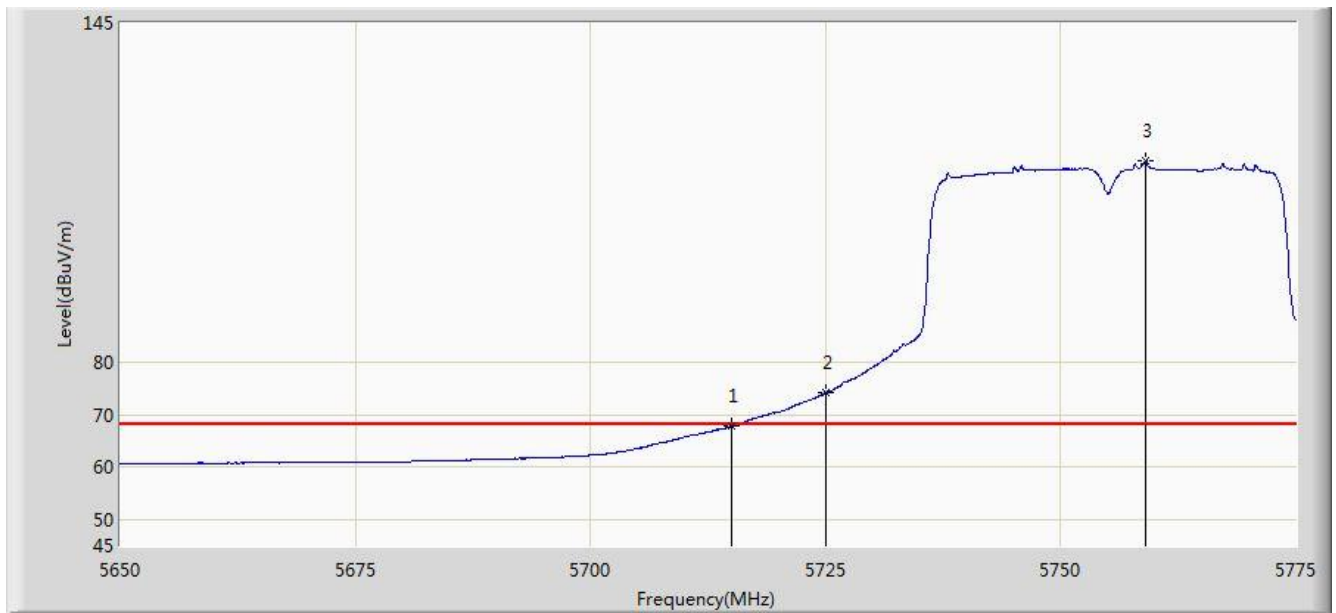
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.795	60.023	-0.405	68.200	7.772	AV
2			5725.000	74.230	66.439	-3.970	78.200	7.791	AV
3		*	5759.062	118.505	110.645	N/A	N/A	7.860	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:44
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
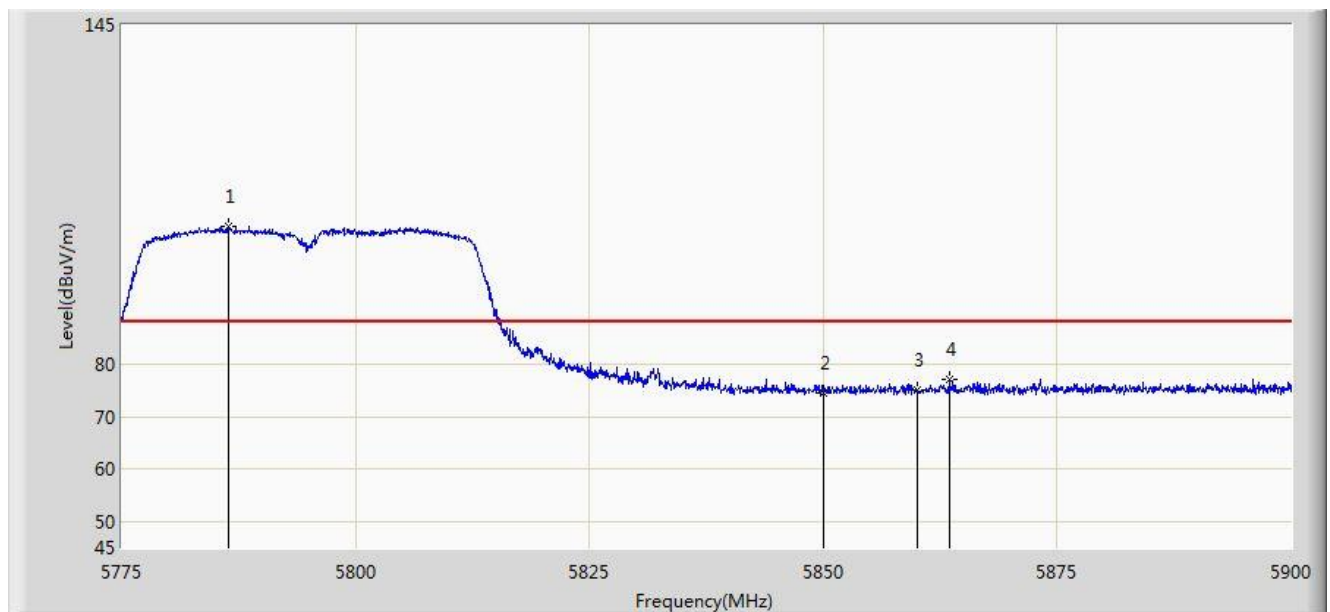
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.375	106.452	98.499	N/A	N/A	7.953	PK
2			5850.000	74.654	66.520	-23.546	98.200	8.134	PK
3			5860.000	75.047	66.858	-13.153	88.200	8.189	PK
4			5863.500	77.144	68.939	-11.056	88.200	8.204	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|		
Engineer: Milo Li		
Site: AC1		Time: 2014/09/26 - 11:47
Limit: FCC_15.407_RE(3m)		Margin: 0
Probe: BBHA9120D_1-18GHz		Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER		Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1		
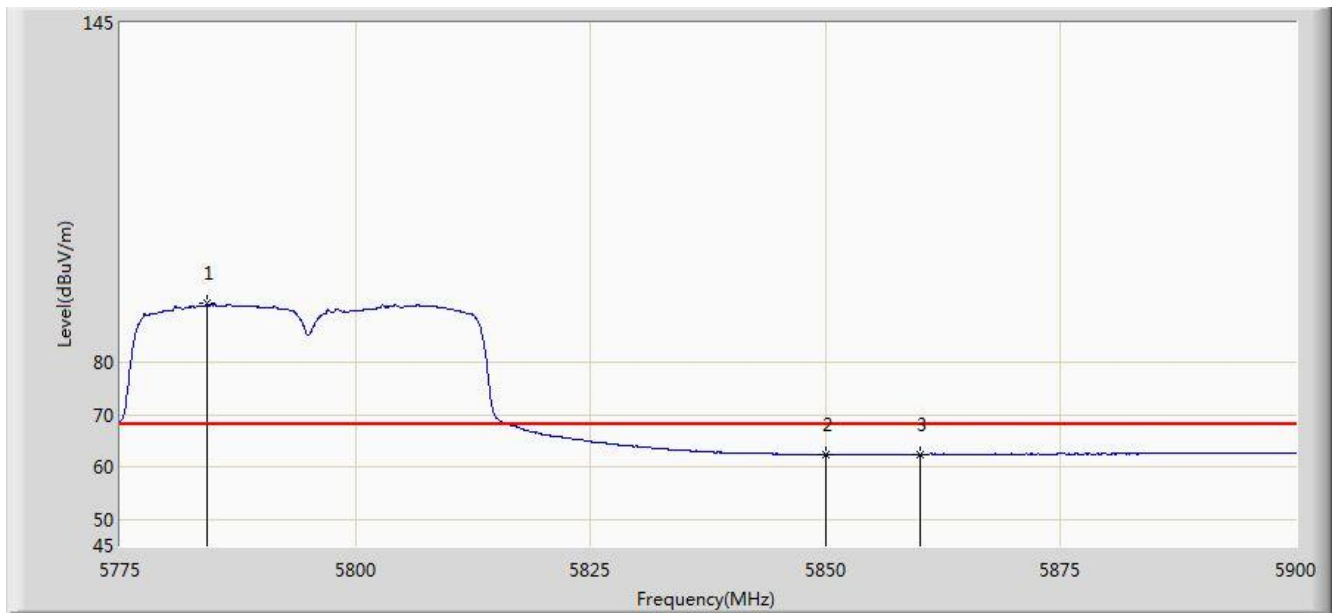
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.250	91.232	83.287	N/A	N/A	7.945	AV
2			5850.000	62.466	54.332	-15.734	78.200	8.134	AV
3			5860.000	62.521	54.332	-5.679	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
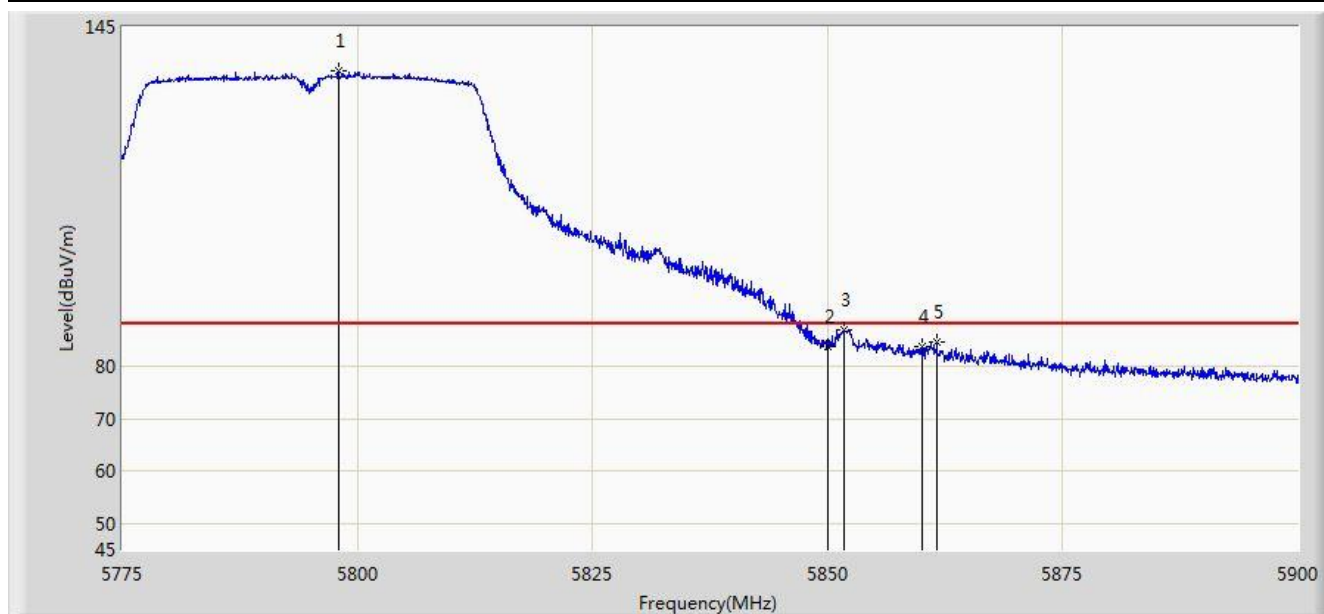
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.000	136.572	128.579	N/A	N/A	7.993	PK
2			5850.000	83.702	75.568	-14.498	98.200	8.134	PK
3			5851.812	86.980	78.836	-11.220	98.200	8.144	PK
4			5860.000	83.823	75.634	-4.377	88.200	8.189	PK
5			5861.625	84.796	76.599	-3.404	88.200	8.197	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:54
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
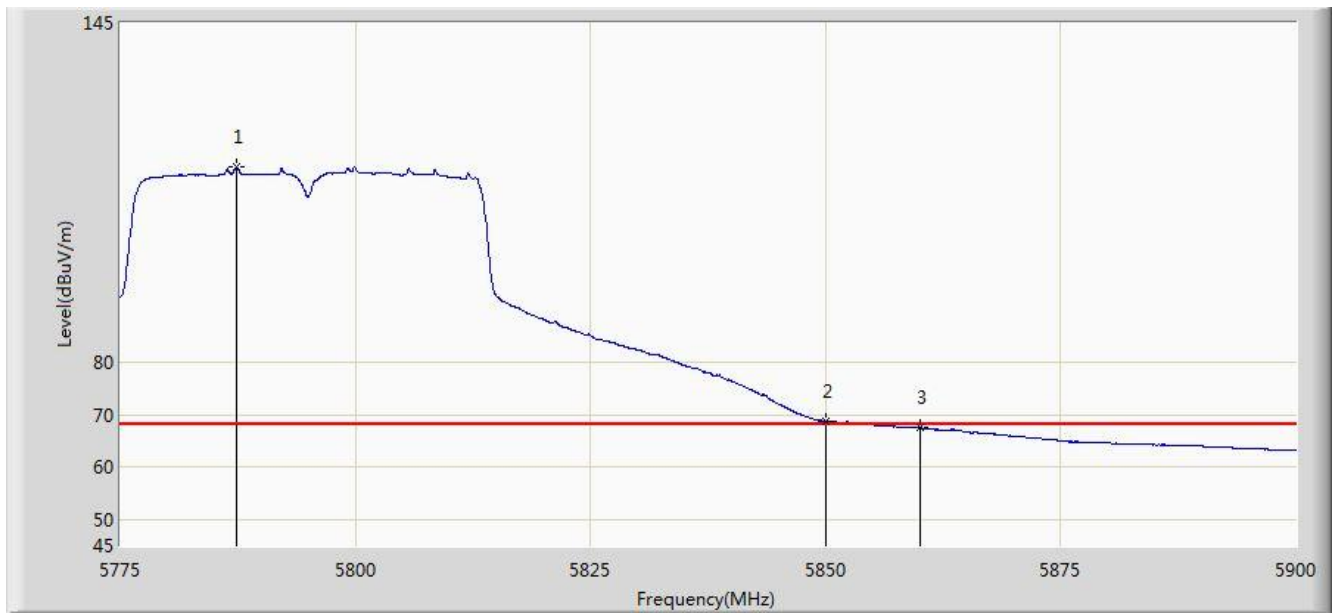
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5787.375	117.340	109.384	N/A	N/A	7.956	AV
2			5850.000	68.852	60.718	-9.348	78.200	8.134	AV
3			5860.000	67.522	59.333	-0.678	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	
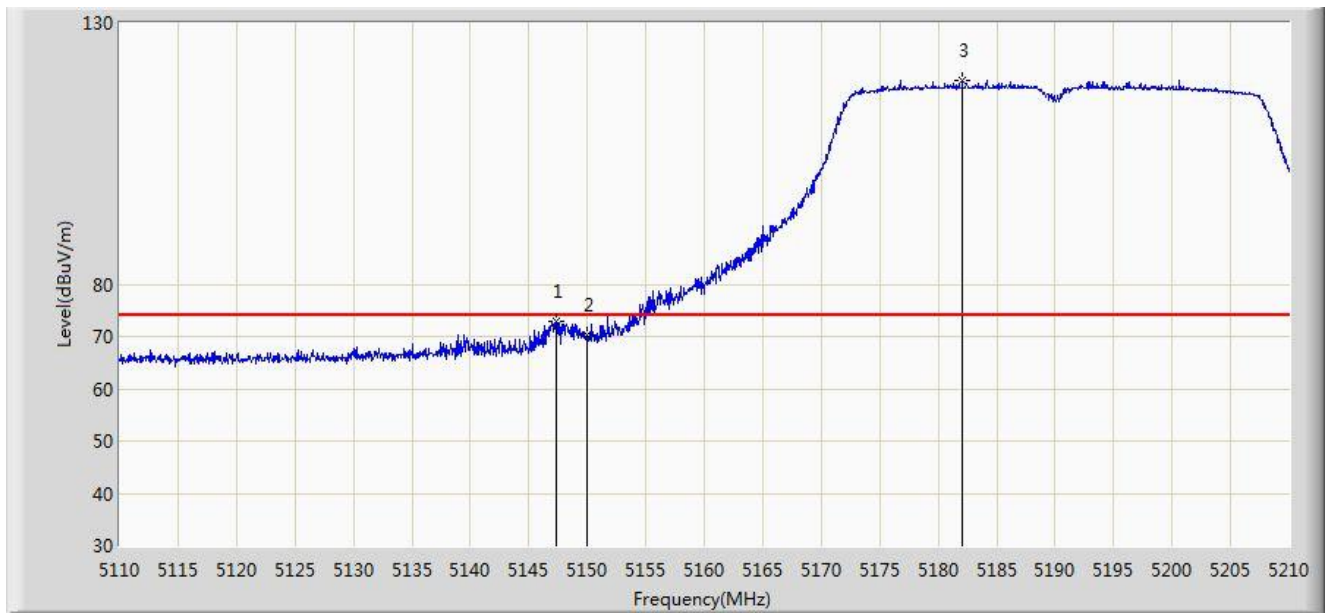
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.350	72.883	65.706	-1.117	74.000	7.177	PK
2			5150.000	70.407	63.231	-3.593	74.000	7.176	PK
3		*	5182.050	119.036	111.995	N/A	N/A	7.041	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.360	46.184	-0.640	54.000	7.176	AV
2		*	5182.200	100.718	93.678	N/A	N/A	7.040	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.700	73.042	65.865	-0.958	74.000	7.177	PK
2			5150.000	71.691	64.515	-2.309	74.000	7.176	PK
3		*	5180.000	120.557	113.503	N/A	N/A	7.054	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	
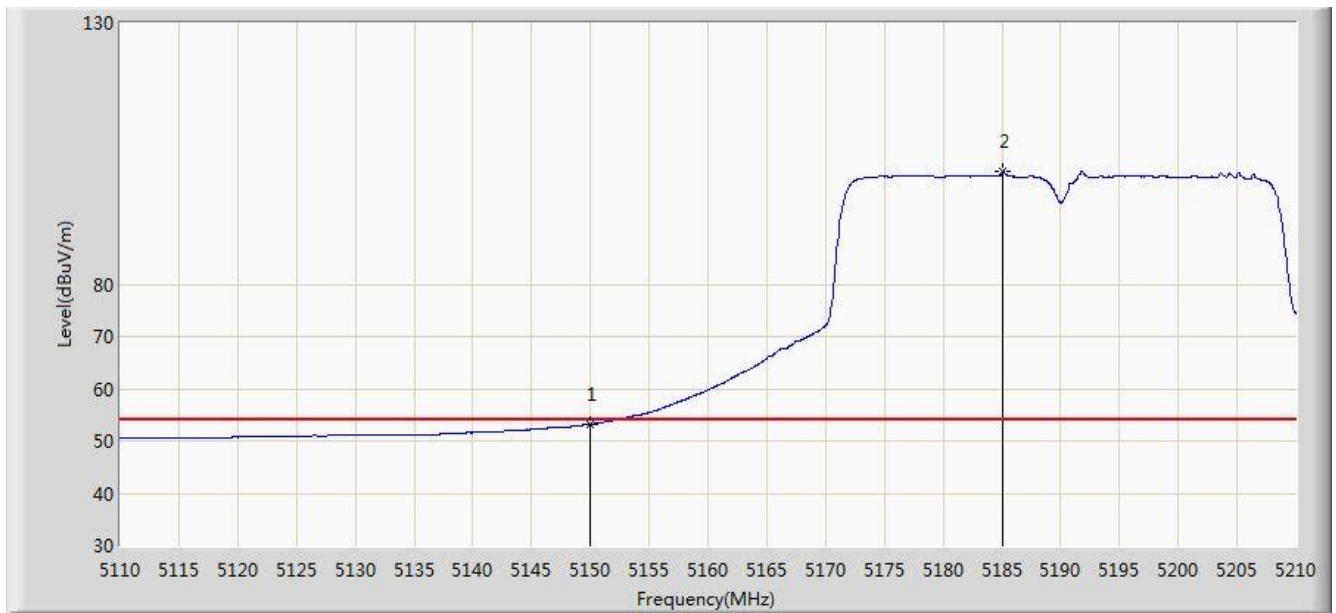
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.227	46.051	-0.773	54.000	7.176	AV
2		*	5185.100	101.618	94.596	N/A	N/A	7.022	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
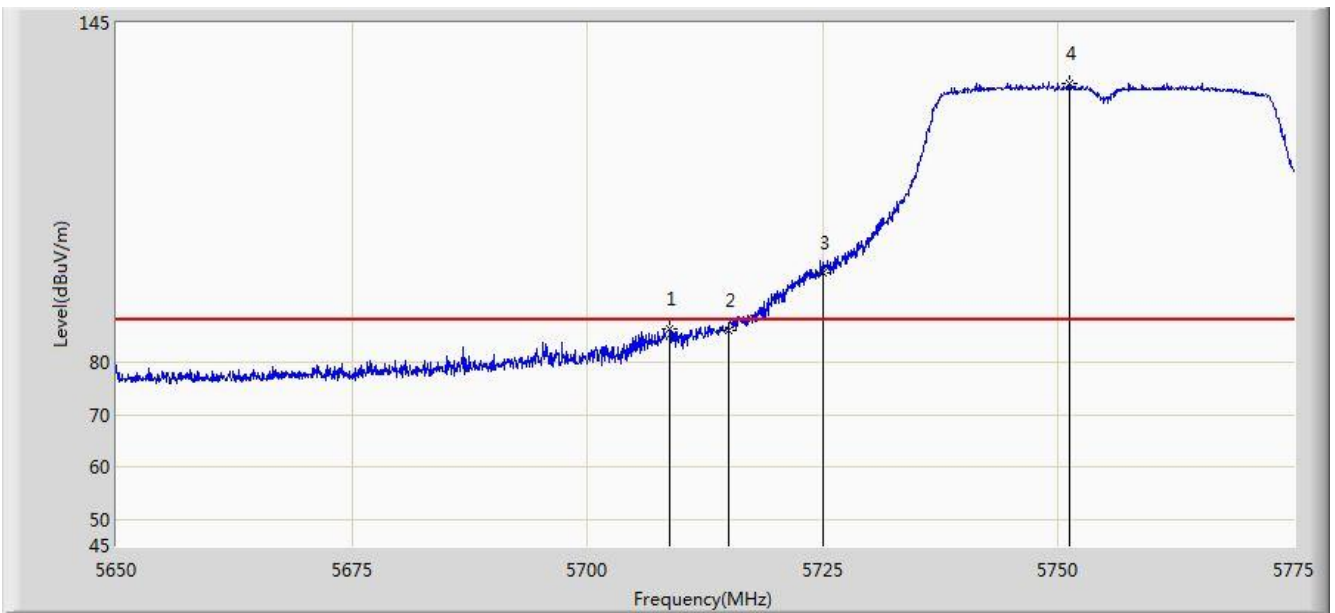
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5708.750	86.550	78.791	-1.650	88.200	7.759	PK
2			5715.000	86.214	78.442	-1.986	88.200	7.772	PK
3			5725.000	97.229	89.438	-0.971	98.200	7.791	PK
4		*	5751.250	133.291	125.445	N/A	N/A	7.846	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:48
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
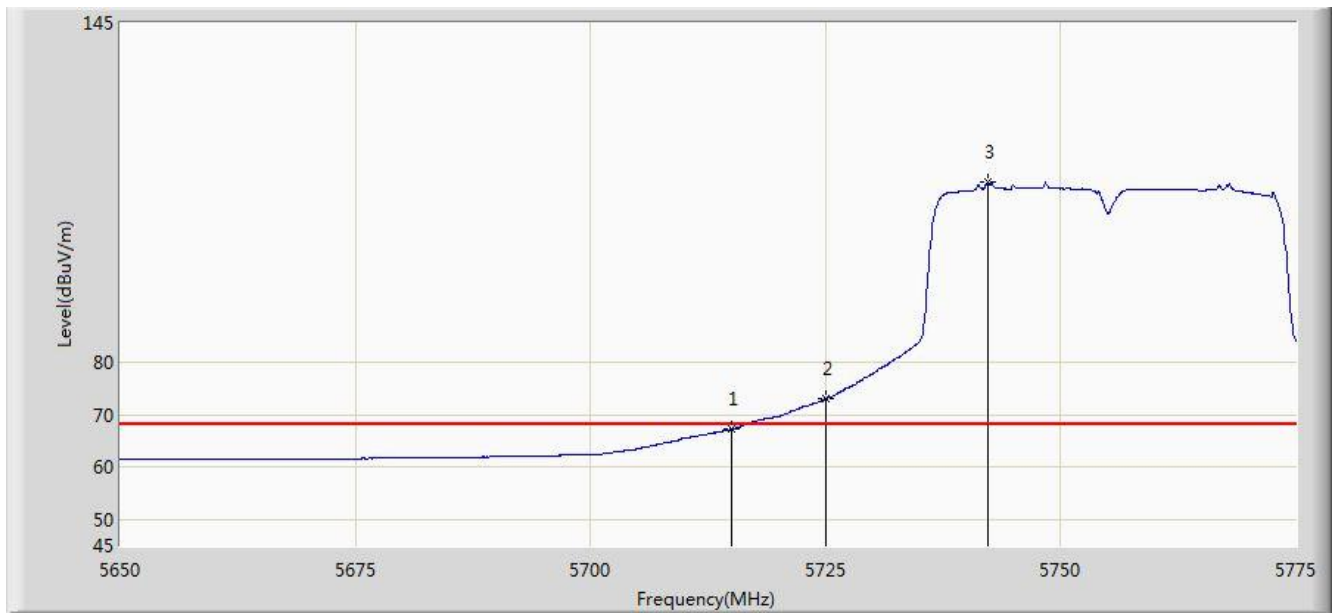
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.208	59.436	-0.992	68.200	7.772	AV
2			5725.000	73.041	65.250	-5.159	78.200	7.791	AV
3		*	5742.250	114.504	106.677	N/A	N/A	7.827	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:54
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
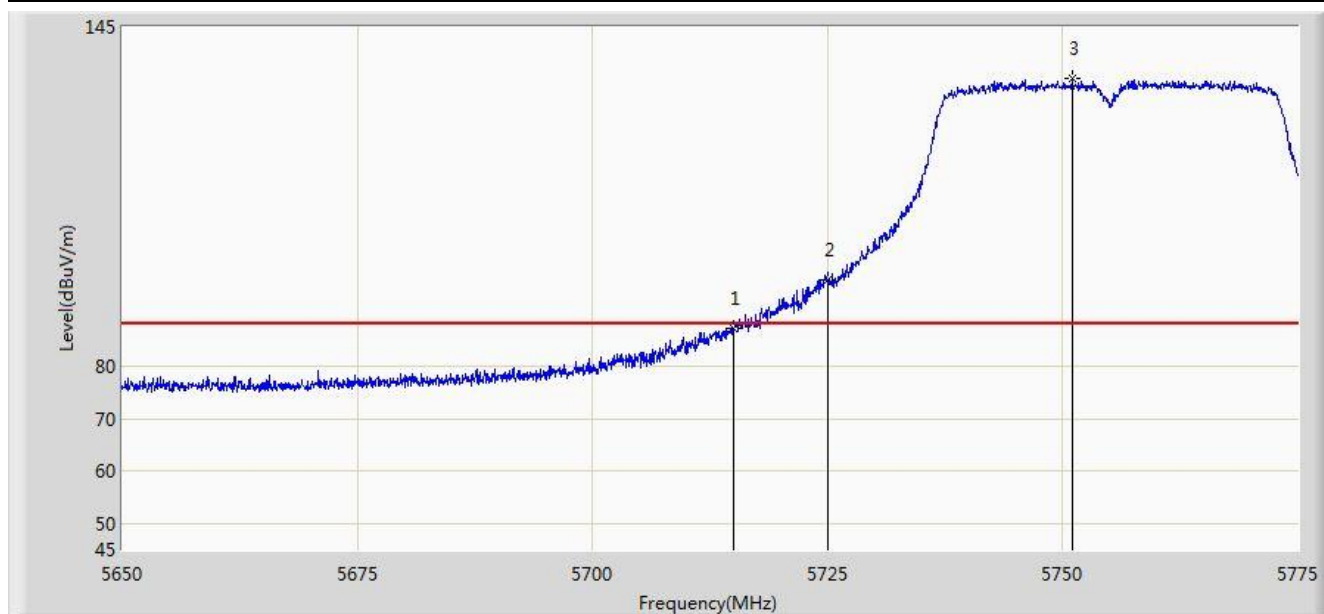
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	87.329	79.557	-0.871	88.200	7.772	PK
2			5725.000	96.643	88.852	-1.557	98.200	7.791	PK
3		*	5751.000	135.015	127.169	N/A	N/A	7.846	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

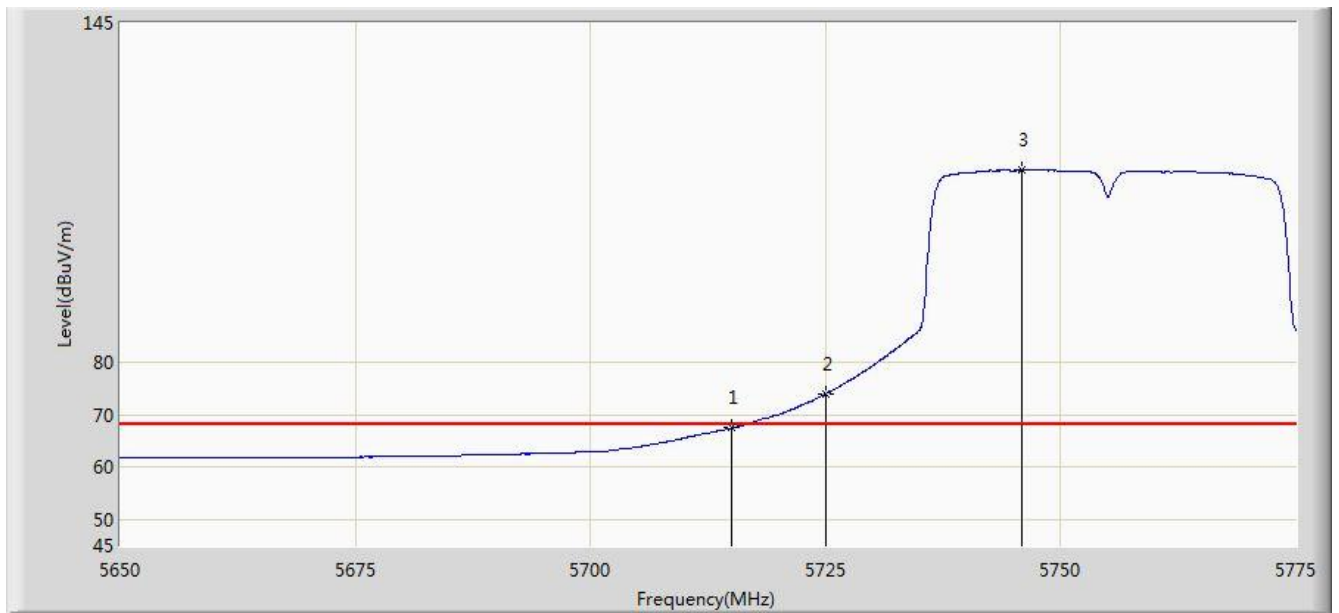| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
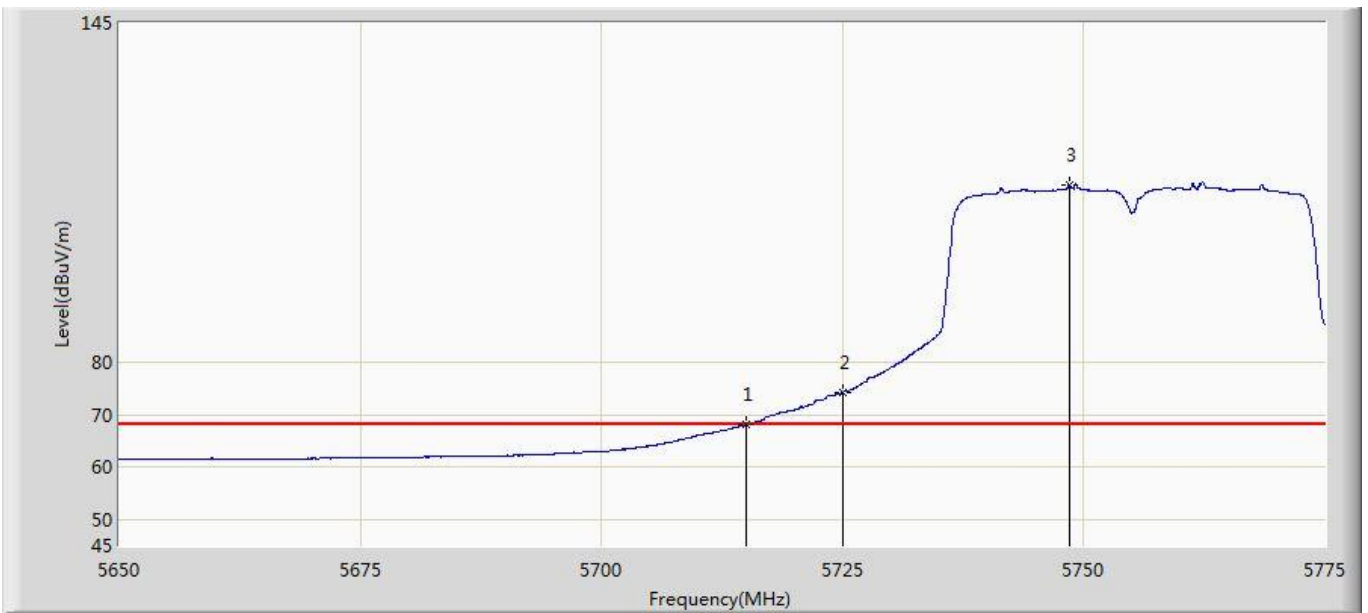
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.133	60.361	-0.067	68.200	7.772	AV
2			5725.000	74.305	66.514	-3.895	78.200	7.791	AV
3		*	5748.500	114.069	106.229	N/A	N/A	7.840	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

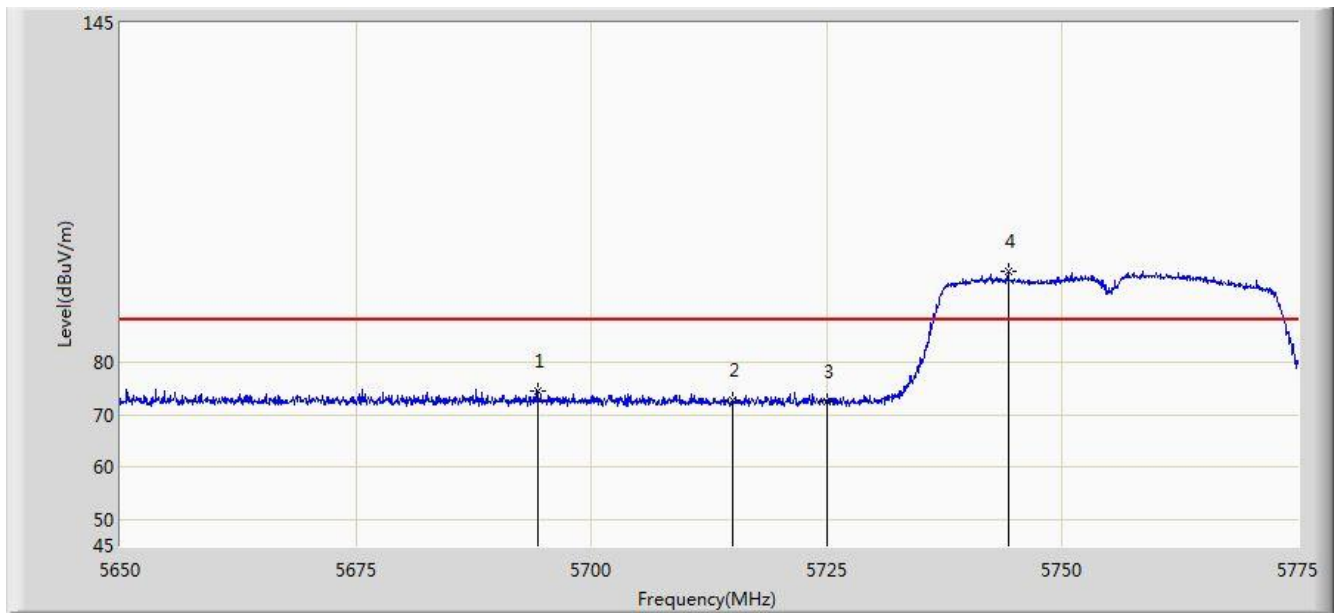|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:56
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
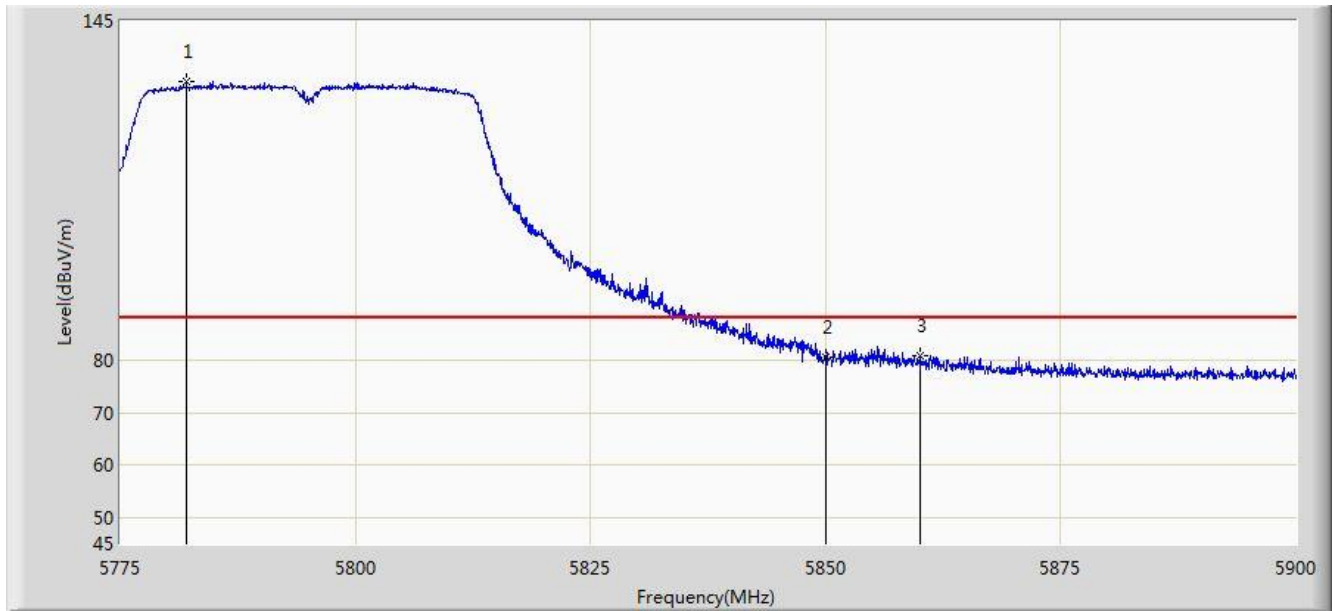
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.062	133.422	125.485	N/A	N/A	7.937	PK
2			5850.000	80.578	72.444	-17.622	98.200	8.134	PK
3			5860.000	80.999	72.810	-7.201	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:58
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
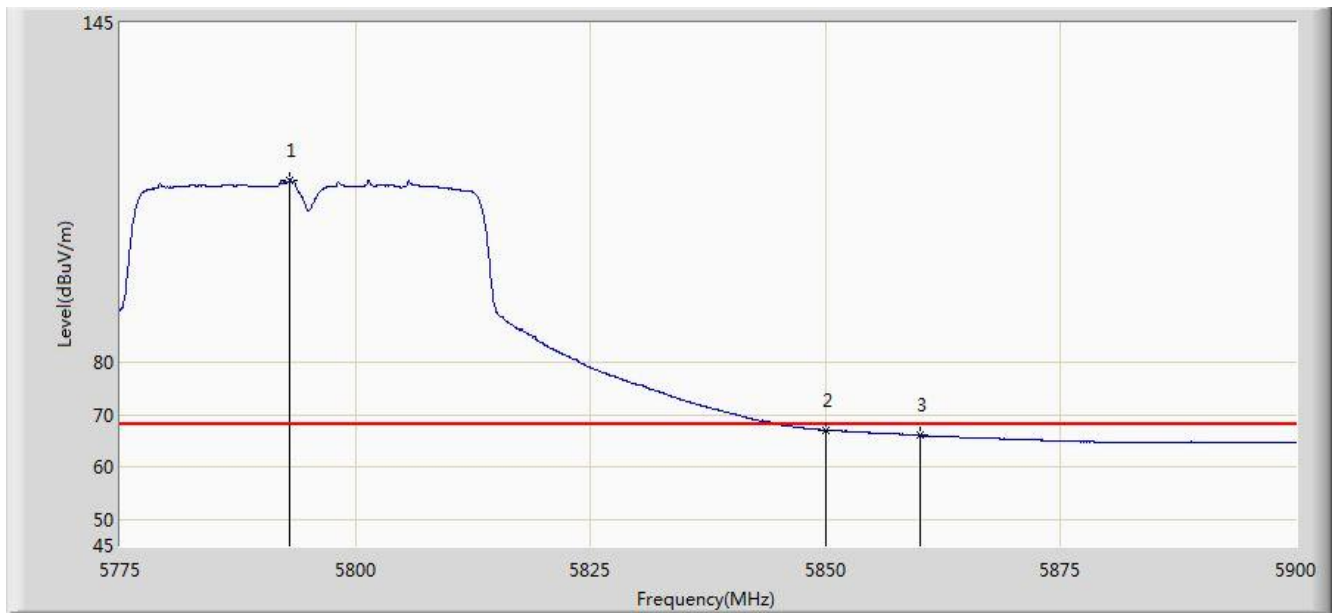
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5793.000	114.905	106.928	N/A	N/A	7.977	AV
2			5850.000	67.160	59.026	-11.040	78.200	8.134	AV
3			5860.000	66.050	57.861	-2.150	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:59
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
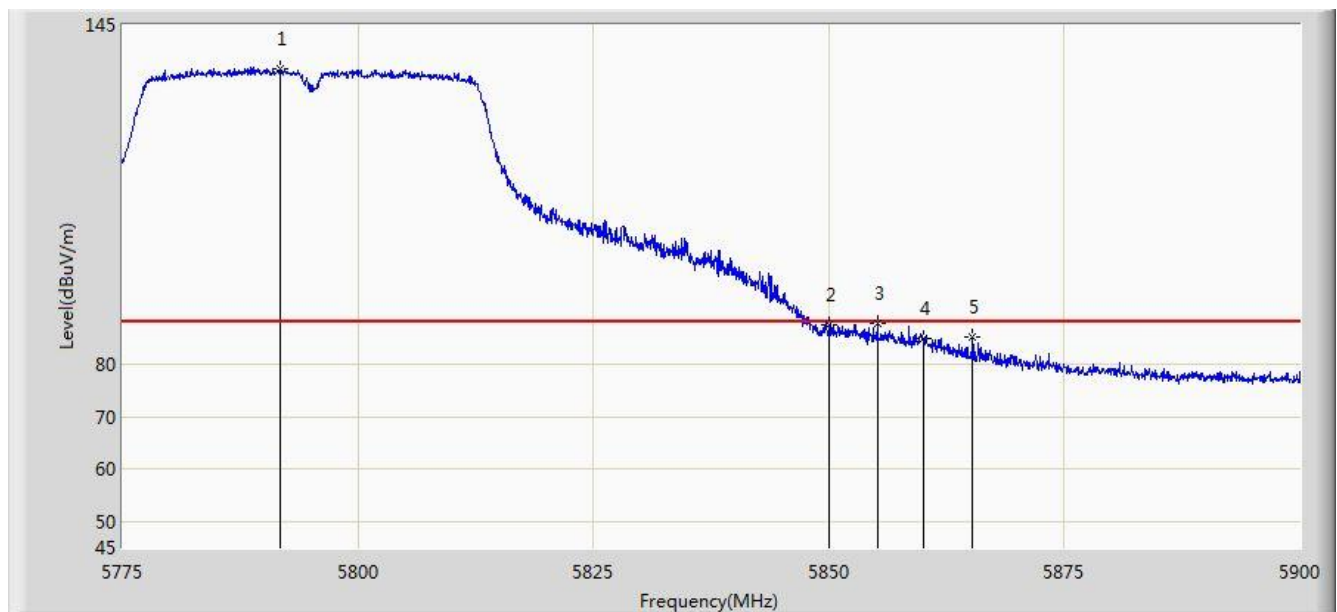
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.812	136.655	128.683	N/A	N/A	7.972	PK
2			5850.000	87.618	79.484	-10.582	98.200	8.134	PK
3			5855.125	87.856	79.694	-10.344	98.200	8.163	PK
4			5860.000	85.096	76.907	-3.104	88.200	8.189	PK
5			5865.250	85.310	77.099	-2.890	88.200	8.211	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
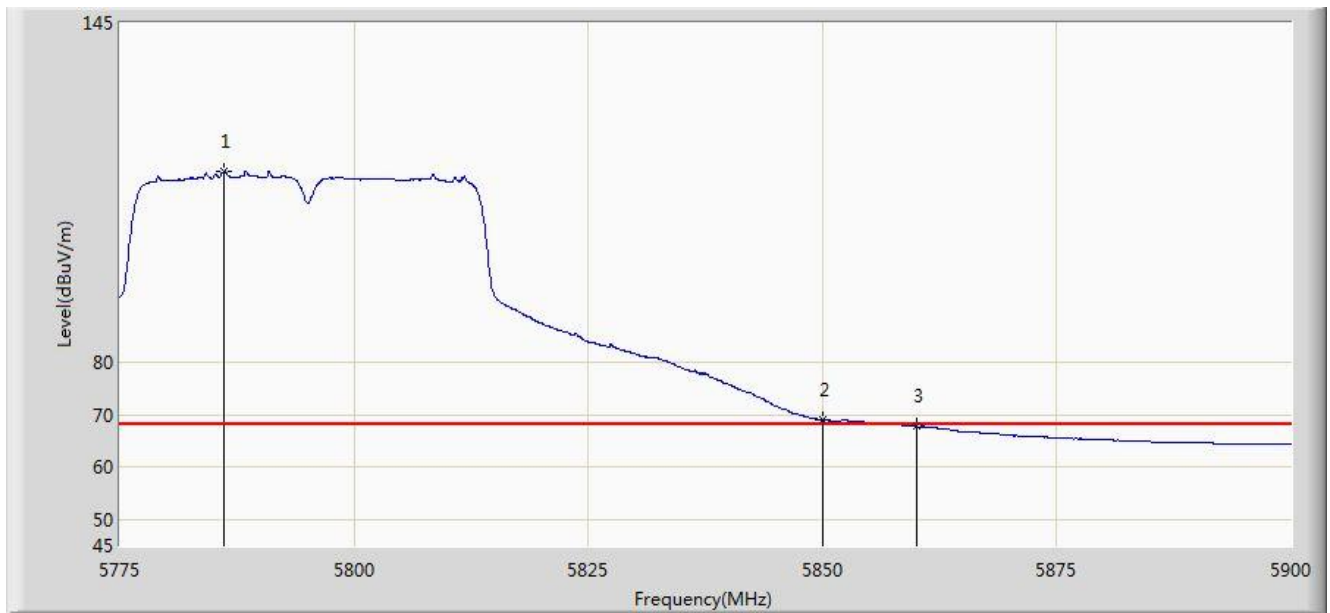
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.187	116.705	108.753	N/A	N/A	7.952	AV
2			5850.000	69.011	60.877	-9.189	78.200	8.134	AV
3			5860.000	67.763	59.574	-0.437	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
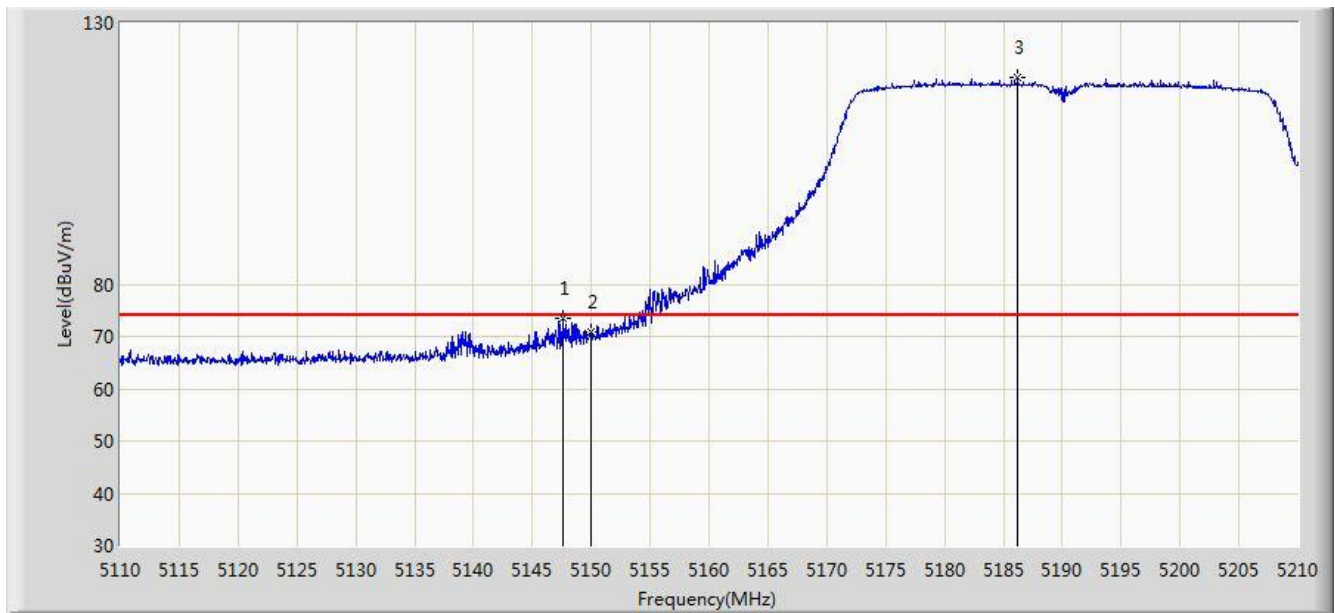
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.550	73.554	66.377	-0.446	74.000	7.177	PK
2			5150.000	70.939	63.763	-3.061	74.000	7.176	PK
3		*	5186.200	119.436	112.421	N/A	N/A	7.016	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
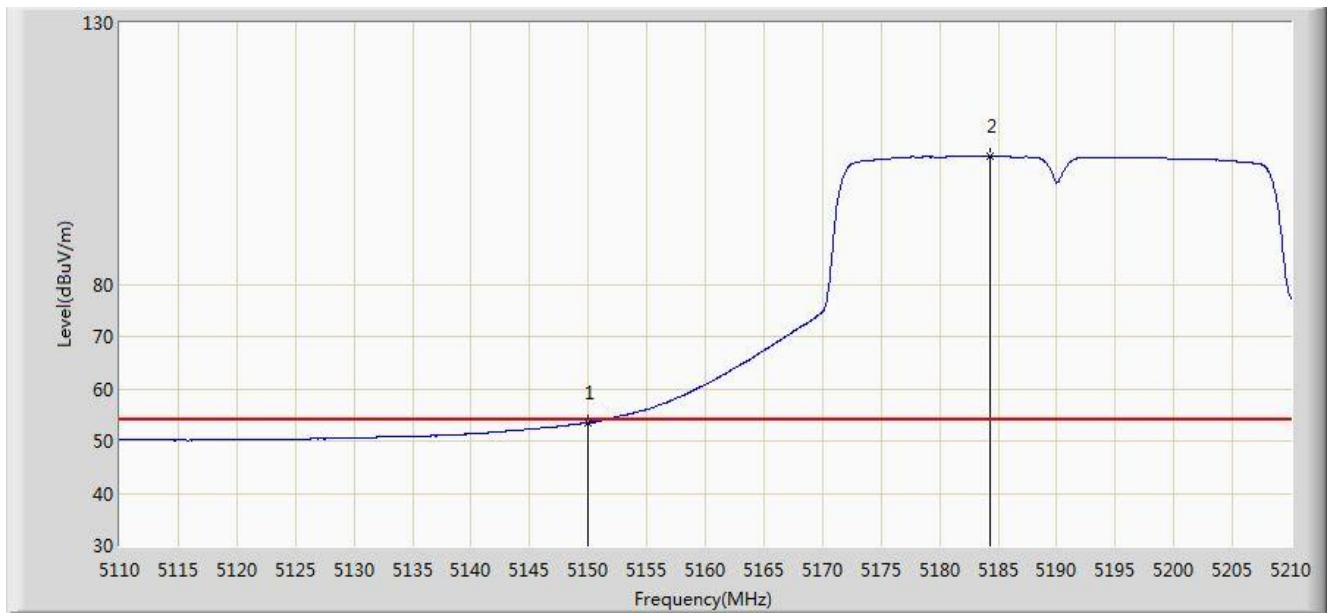
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.564	46.388	-0.436	54.000	7.176	AV
2		*	5184.300	104.484	97.457	N/A	N/A	7.027	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
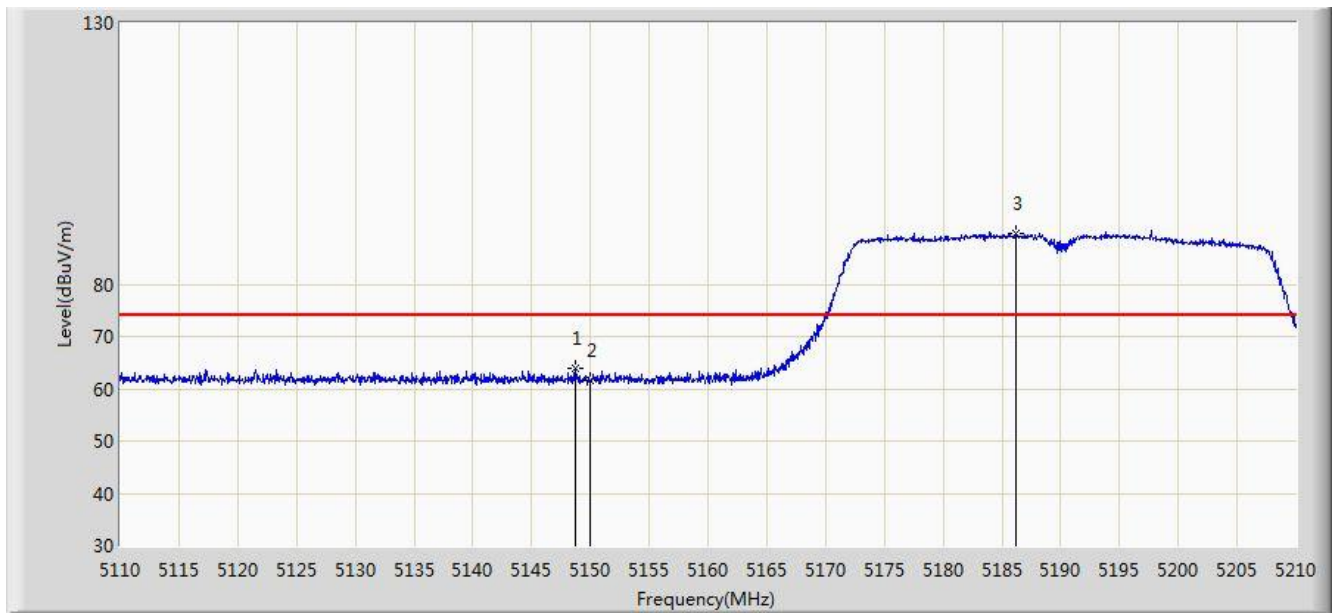
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	63.869	56.692	-10.131	74.000	7.177	PK
2			5150.000	61.535	54.359	-12.465	74.000	7.176	PK
3		*	5186.150	89.780	82.764	N/A	N/A	7.016	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
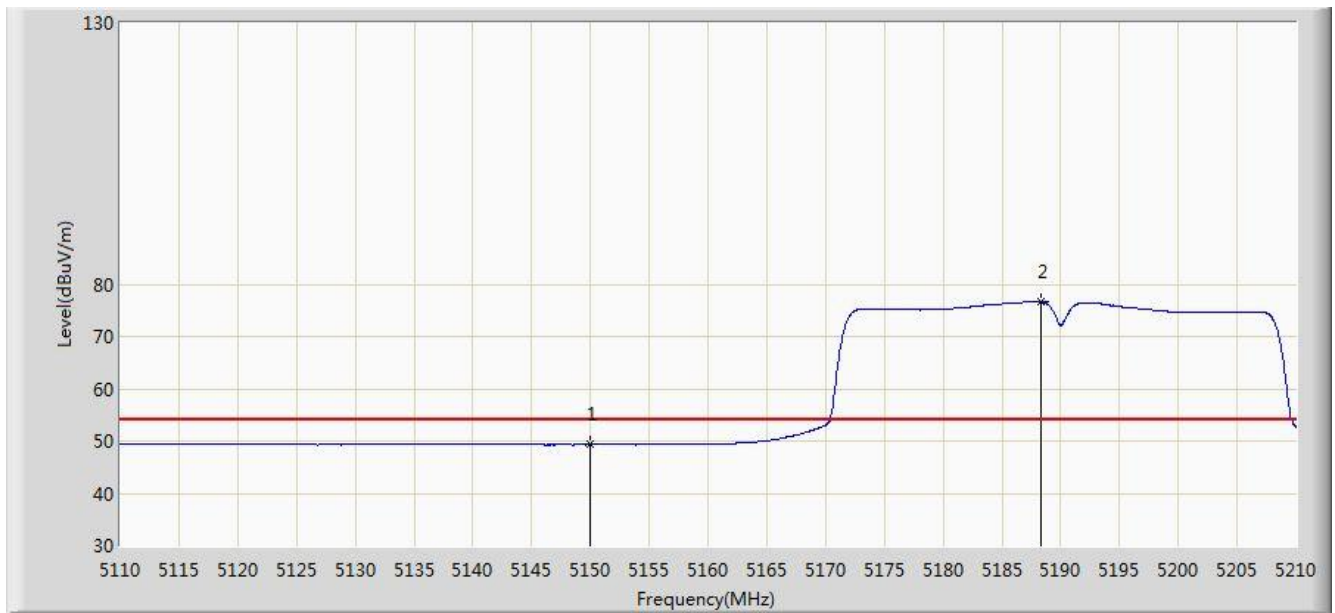
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.313	42.137	-4.687	54.000	7.176	AV
2		*	5188.350	76.606	69.604	N/A	N/A	7.001	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:16
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	
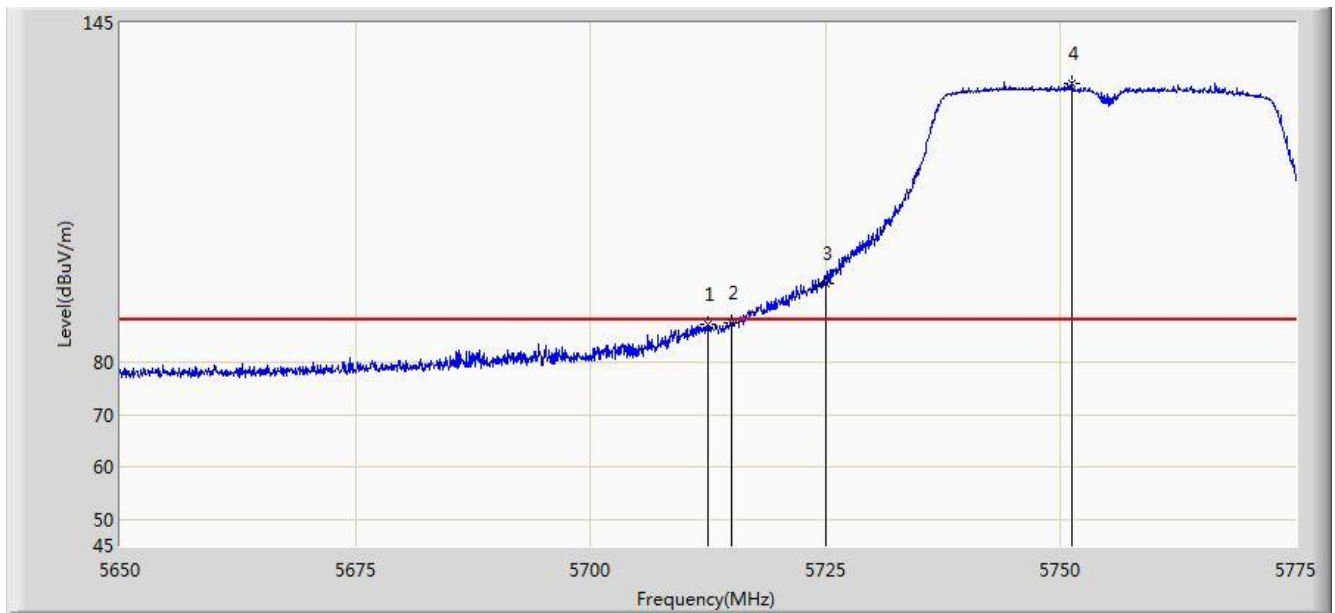
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.437	87.263	79.496	-0.937	88.200	7.767	PK
2			5715.000	87.748	79.976	-0.452	88.200	7.772	PK
3			5725.000	95.201	87.410	-2.999	98.200	7.791	PK
4		*	5751.125	133.419	125.573	N/A	N/A	7.846	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

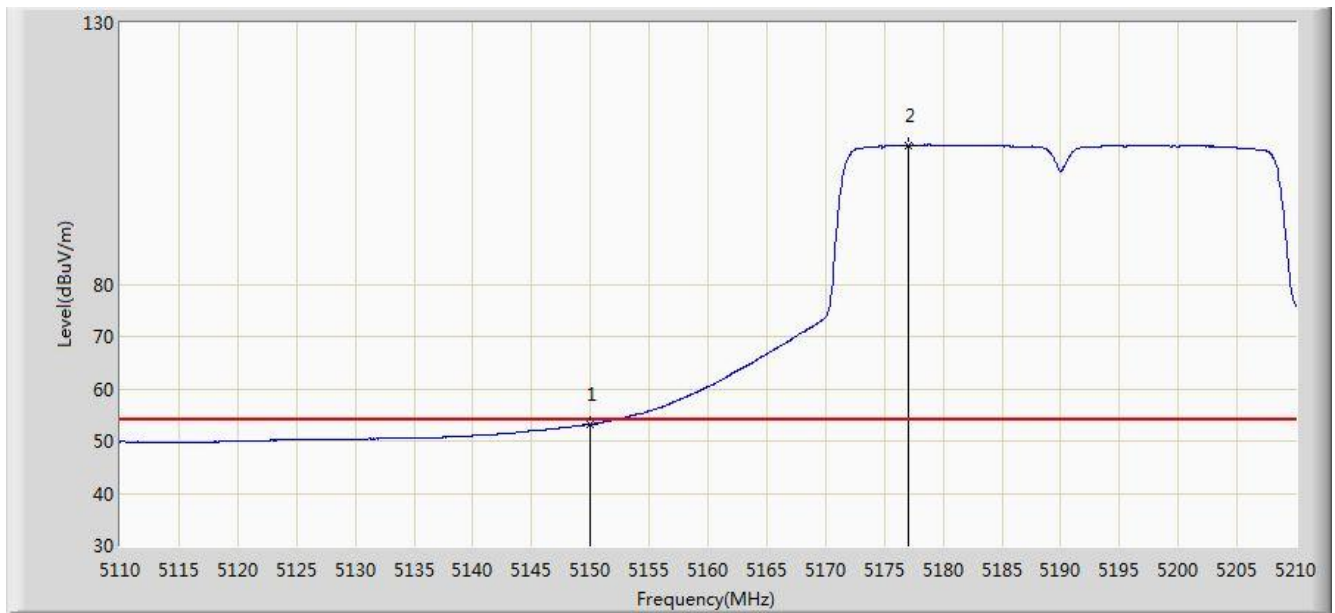| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.476	59.704	-0.724	68.200	7.772	AV
2			5725.000	73.984	66.193	-4.216	78.200	7.791	AV
3		*	5745.812	116.808	108.973	N/A	N/A	7.835	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

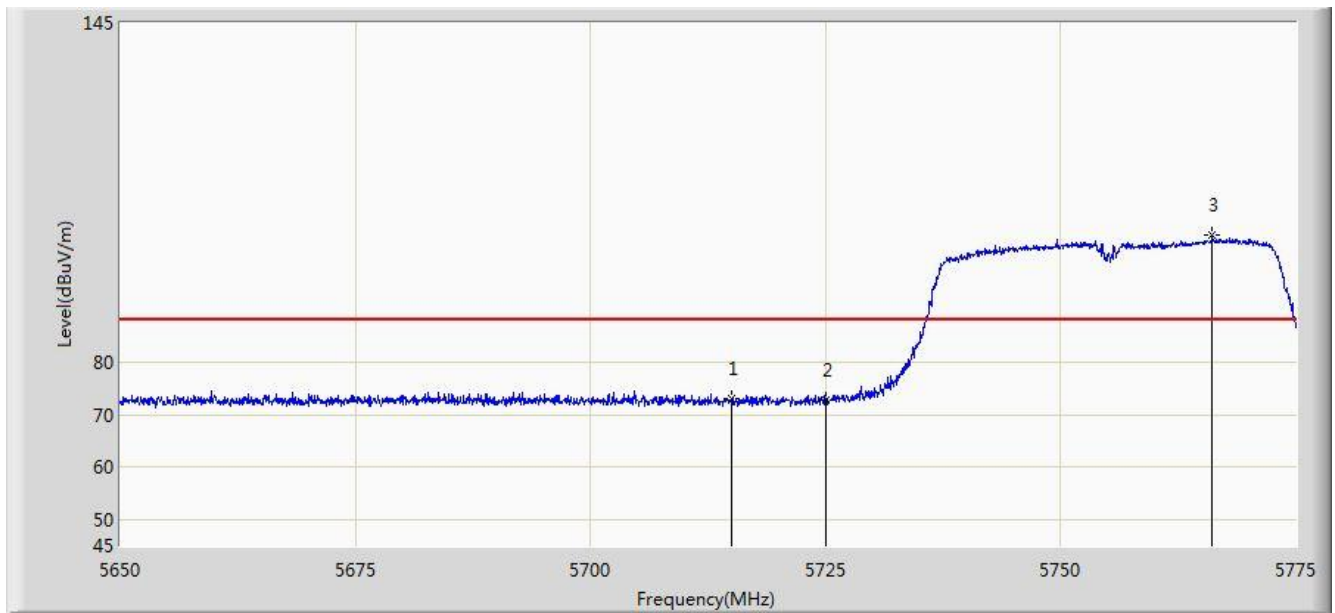| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5694.312	74.681	66.955	-13.519	88.200	7.726	PK
2			5715.000	72.720	64.948	-15.480	88.200	7.772	PK
3			5725.000	72.614	64.823	-25.586	98.200	7.791	PK
4		*	5744.250	97.398	89.567	N/A	N/A	7.832	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	
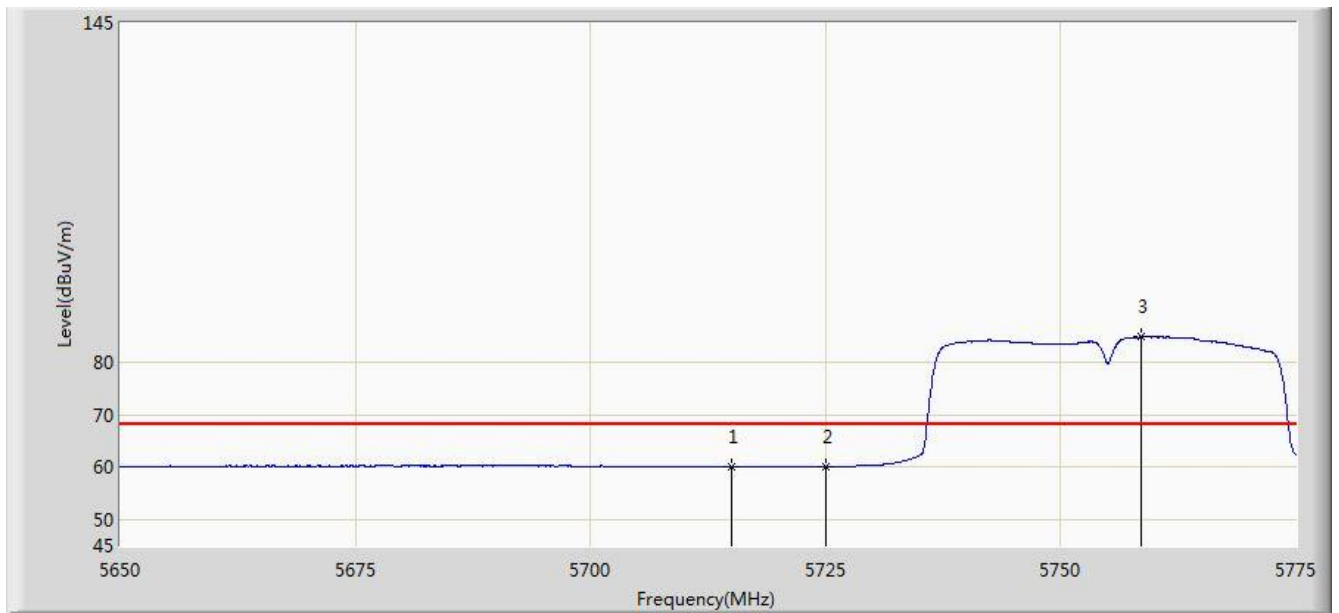
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.176	52.404	-8.024	68.200	7.772	AV
2			5725.000	60.121	52.330	-18.079	78.200	7.791	AV
3		*	5758.625	84.916	77.056	N/A	N/A	7.860	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
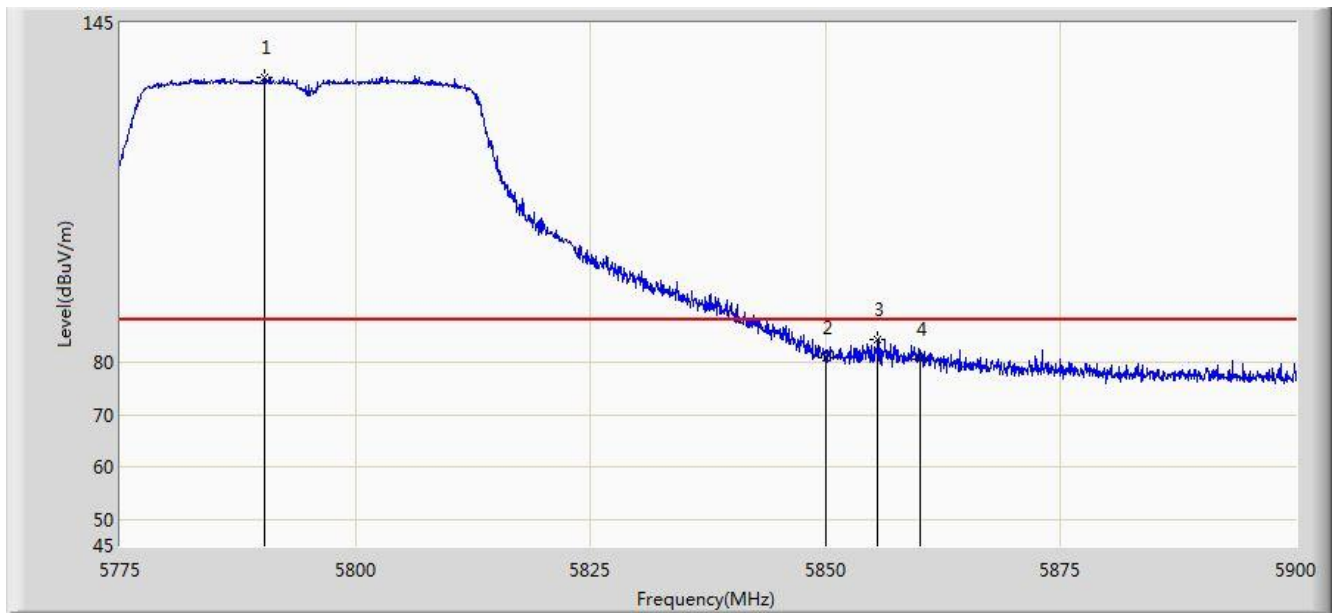
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.312	134.694	126.727	N/A	N/A	7.967	PK
2			5850.000	80.860	72.726	-17.340	98.200	8.134	PK
3			5855.562	84.340	76.175	-13.860	98.200	8.164	PK
4			5860.000	80.510	72.321	-7.690	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:26
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
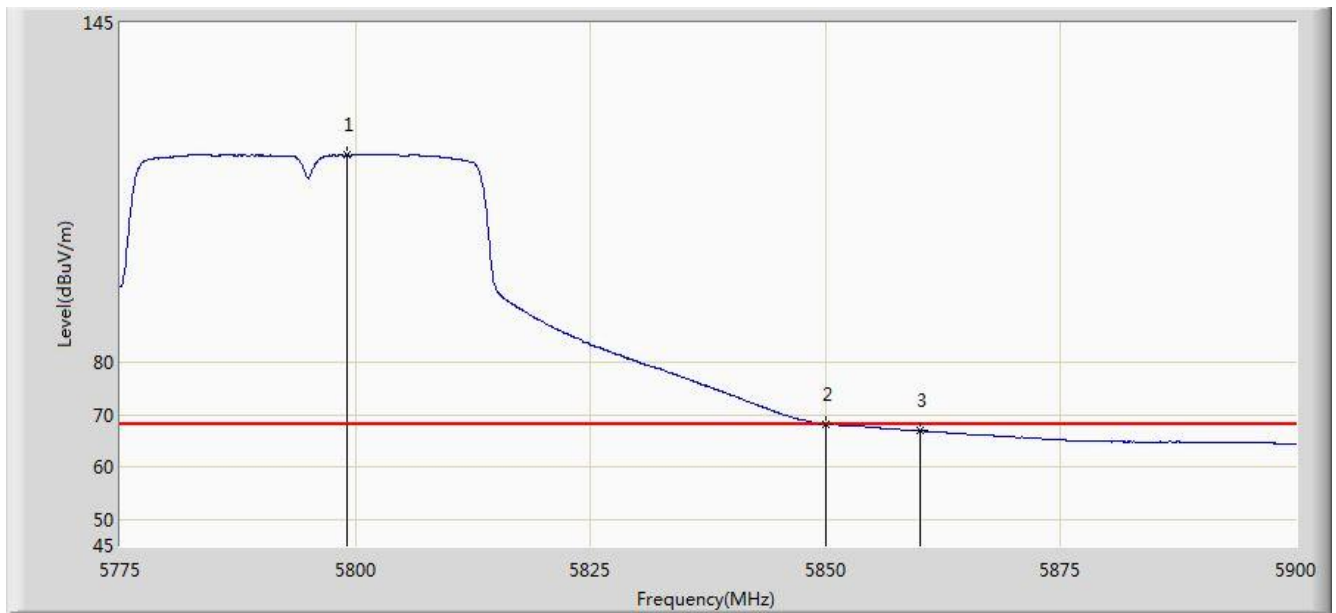
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.187	119.692	111.697	N/A	N/A	7.995	AV
2			5850.000	68.259	60.125	-9.941	78.200	8.134	AV
3			5860.000	66.996	58.807	-1.204	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:27
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
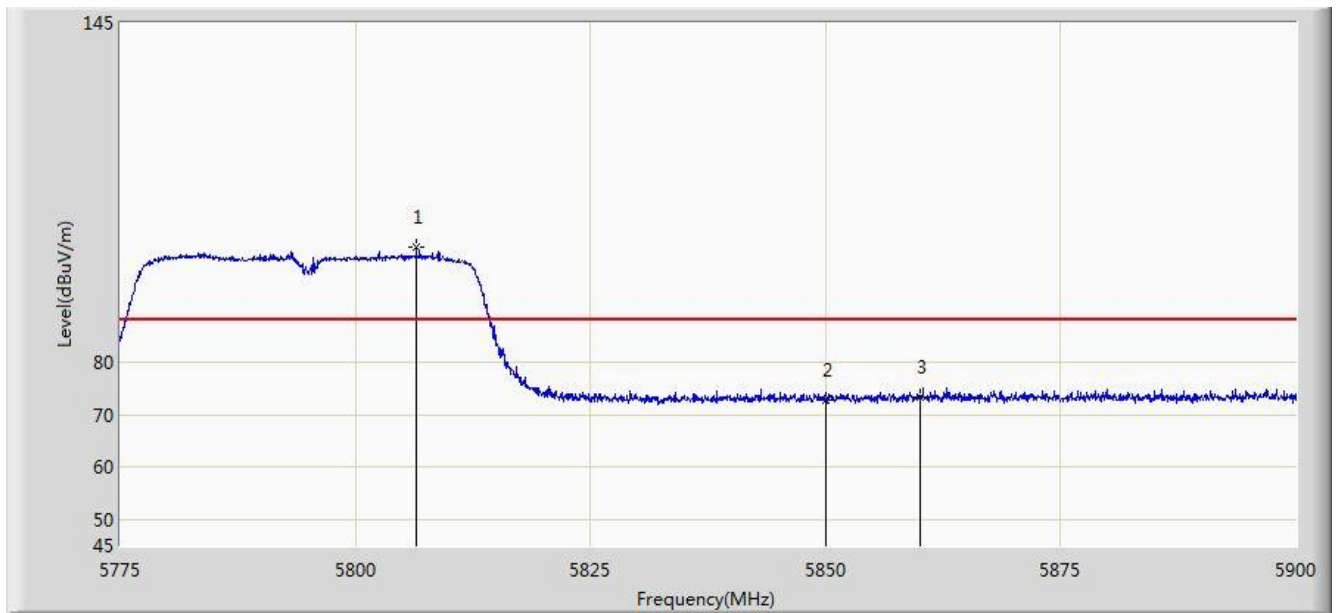
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5806.500	101.981	93.965	N/A	N/A	8.016	PK
2			5850.000	72.685	64.551	-25.515	98.200	8.134	PK
3			5860.000	73.421	65.232	-14.779	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:28
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
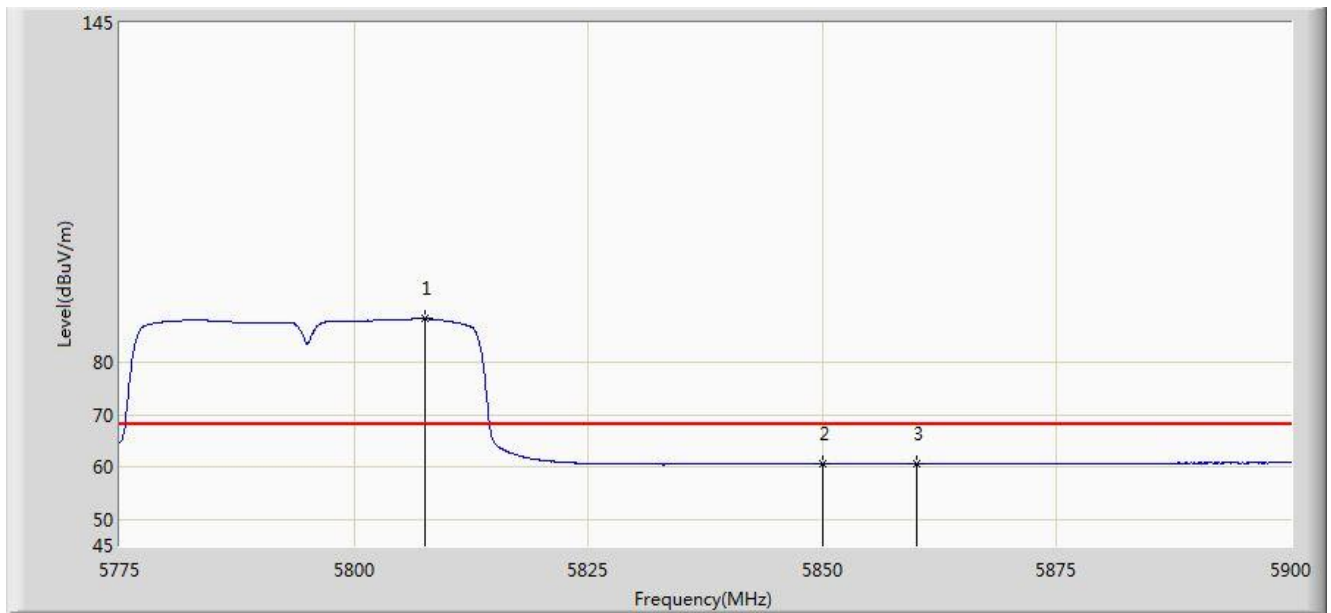
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5807.562	88.371	80.353	N/A	N/A	8.018	AV
2			5850.000	60.616	52.482	-17.584	78.200	8.134	AV
3			5860.000	60.662	52.473	-7.538	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
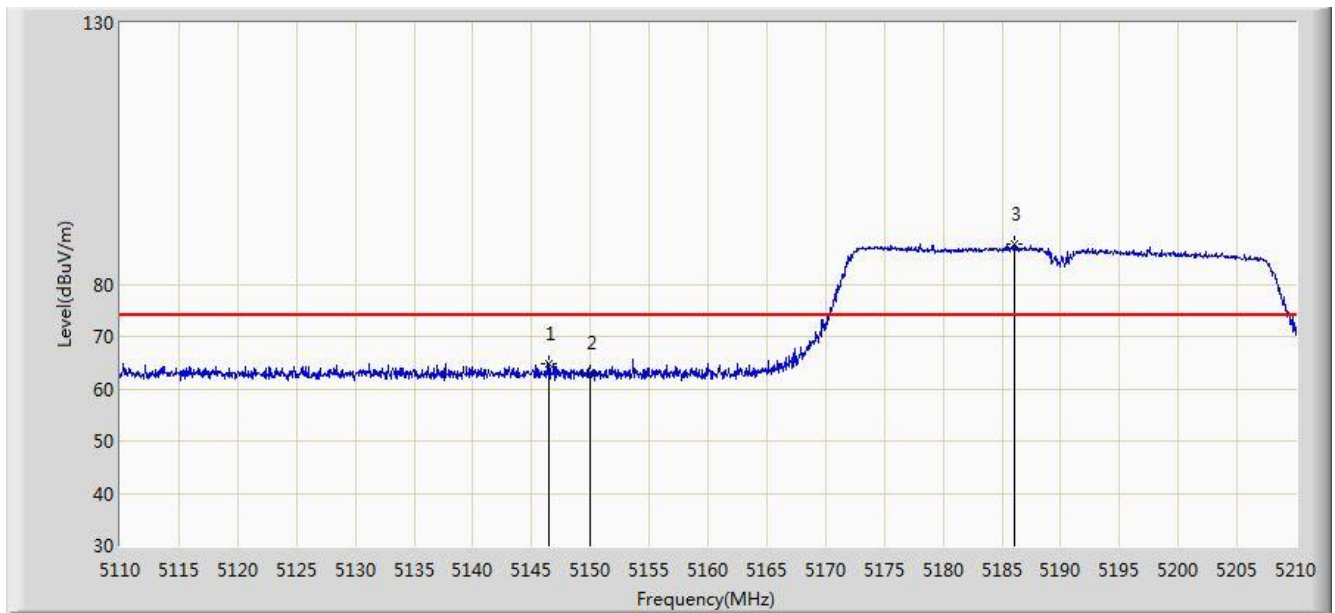
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.500	64.686	57.509	-9.314	74.000	7.177	PK
2			5150.000	62.905	55.729	-11.095	74.000	7.176	PK
3		*	5186.050	87.623	80.607	N/A	N/A	7.016	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
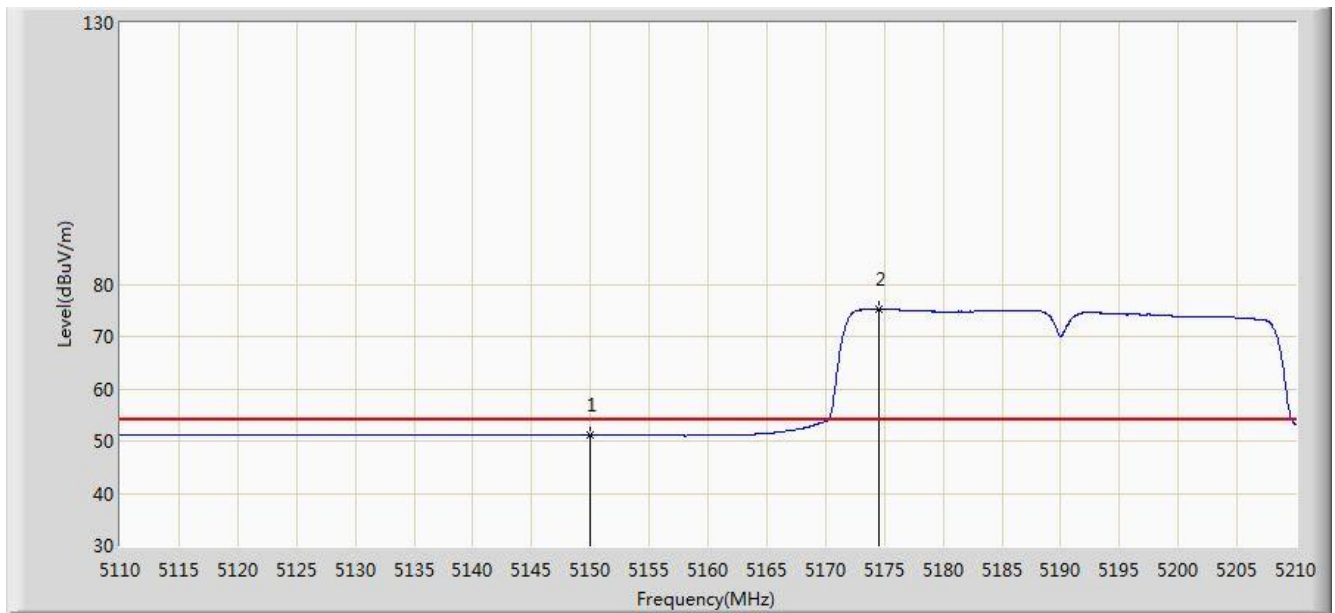
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.079	43.903	-2.921	54.000	7.176	AV
2		*	5174.500	75.220	68.130	N/A	N/A	7.091	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
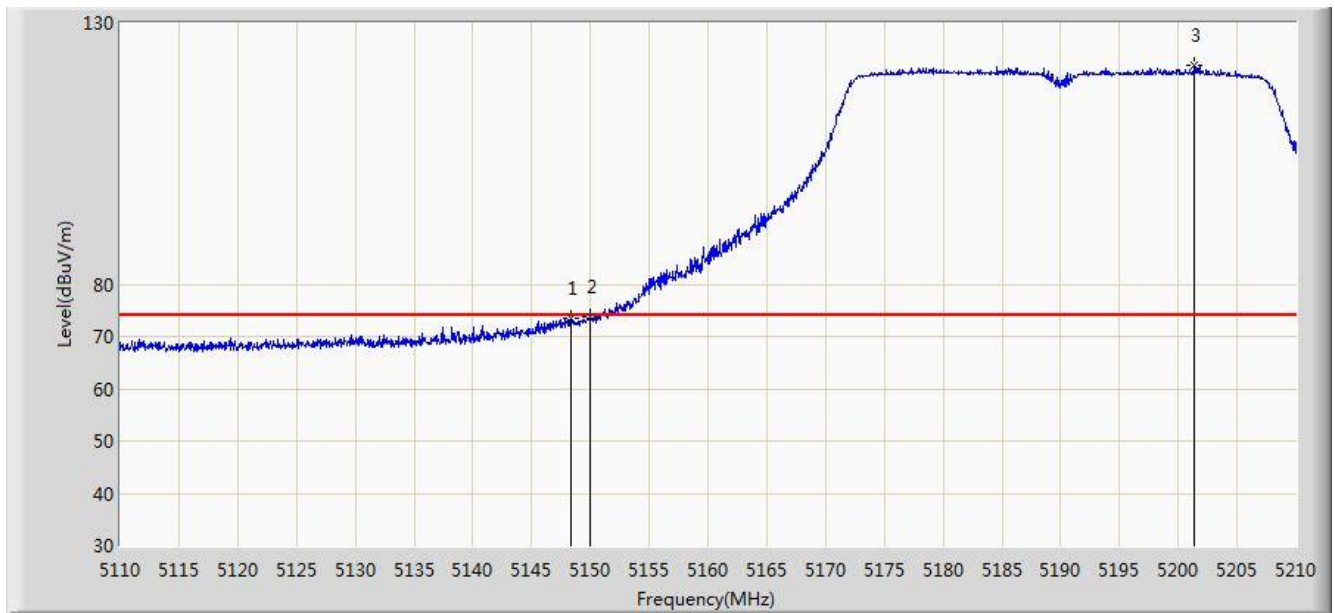
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.300	73.360	66.183	-0.640	74.000	7.176	PK
2			5150.000	73.669	66.493	-0.331	74.000	7.176	PK
3		*	5201.350	121.813	114.887	N/A	N/A	6.926	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.180	46.004	-0.820	54.000	7.176	AV
2		*	5177.000	106.592	99.518	N/A	N/A	7.074	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:40
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	73.084	65.312	-15.116	88.200	7.772	PK
2			5725.000	72.794	65.003	-25.406	98.200	7.791	PK
3		*	5766.125	104.302	96.420	N/A	N/A	7.882	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
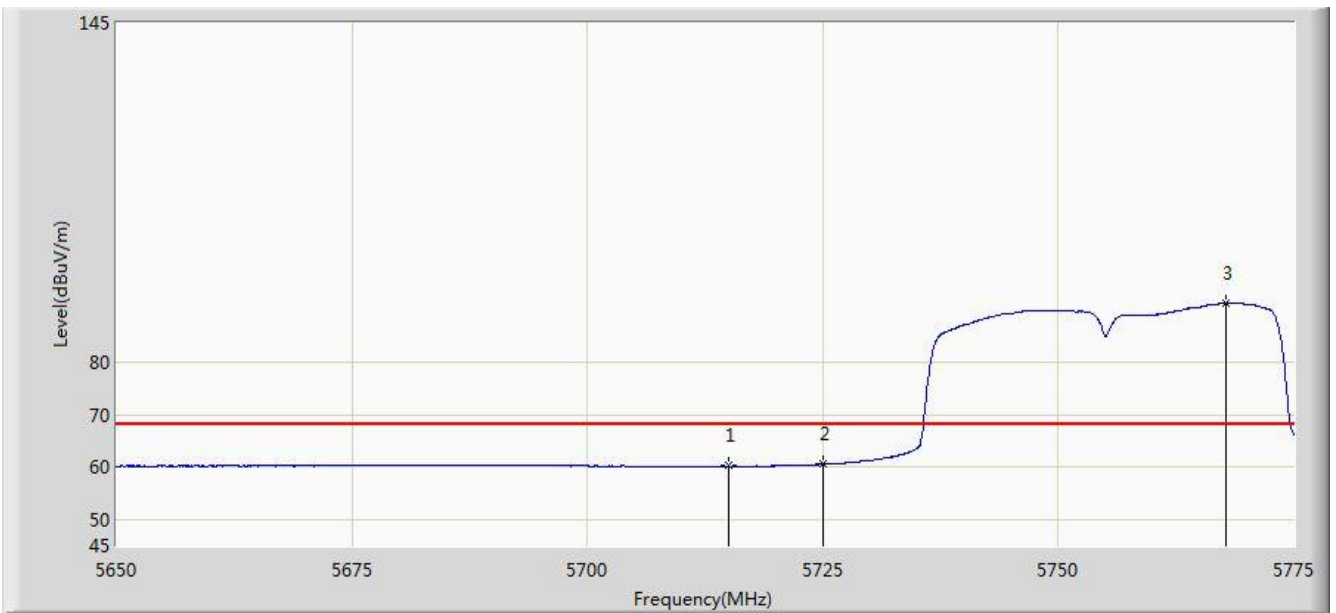
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.218	52.446	-7.982	68.200	7.772	AV
2			5725.000	60.571	52.780	-17.629	78.200	7.791	AV
3		*	5767.750	91.371	83.483	N/A	N/A	7.888	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:47
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
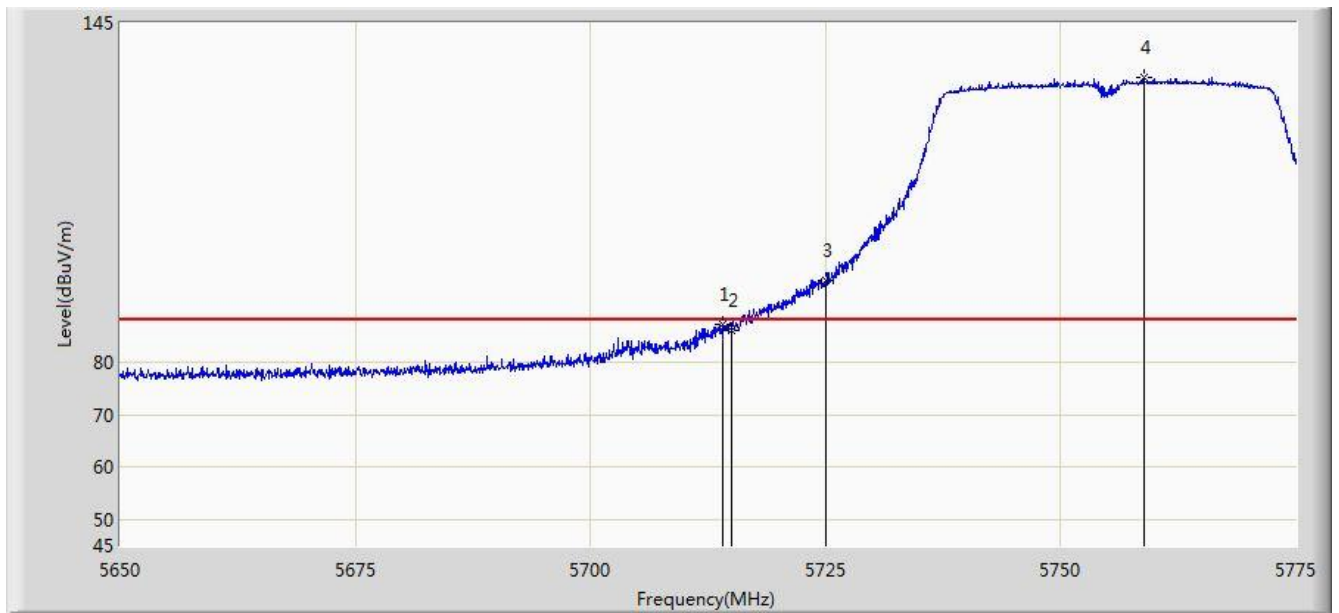
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.062	87.238	79.468	-0.962	88.200	7.769	PK
2			5715.000	86.186	78.414	-2.014	88.200	7.772	PK
3			5725.000	95.607	87.816	-2.593	98.200	7.791	PK
4		*	5758.812	134.620	126.760	N/A	N/A	7.860	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
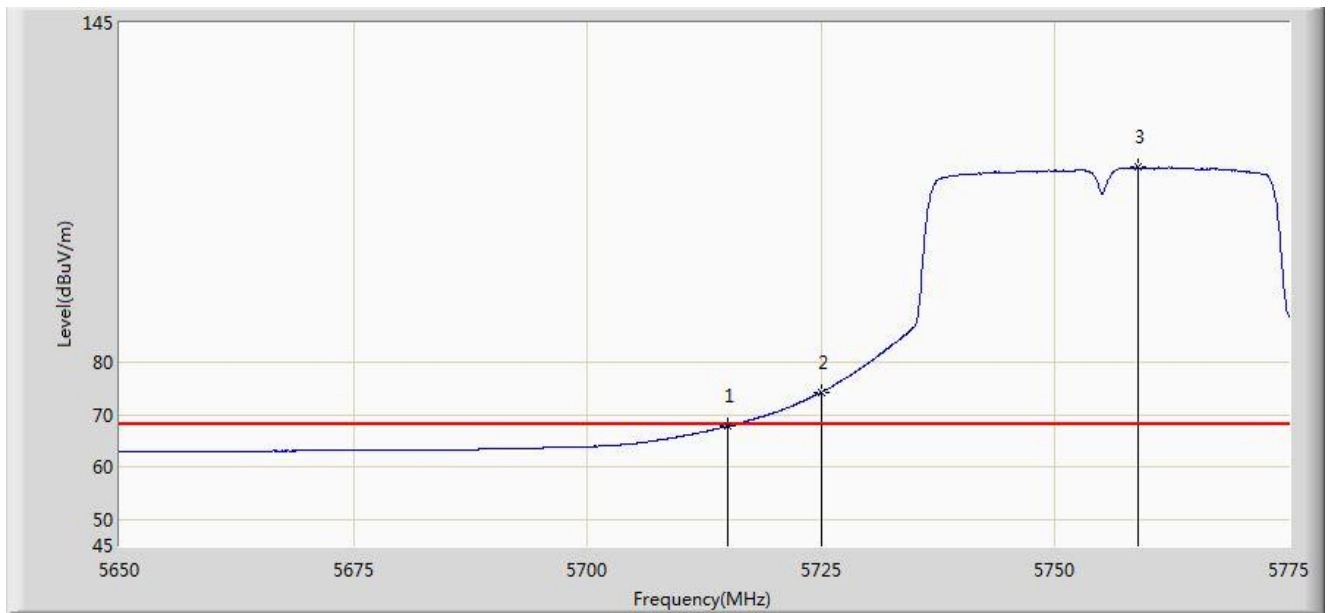
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.805	60.033	-0.395	68.200	7.772	AV
2			5725.000	74.322	66.531	-3.878	78.200	7.791	AV
3		*	5758.812	117.344	109.484	N/A	N/A	7.860	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:50
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	
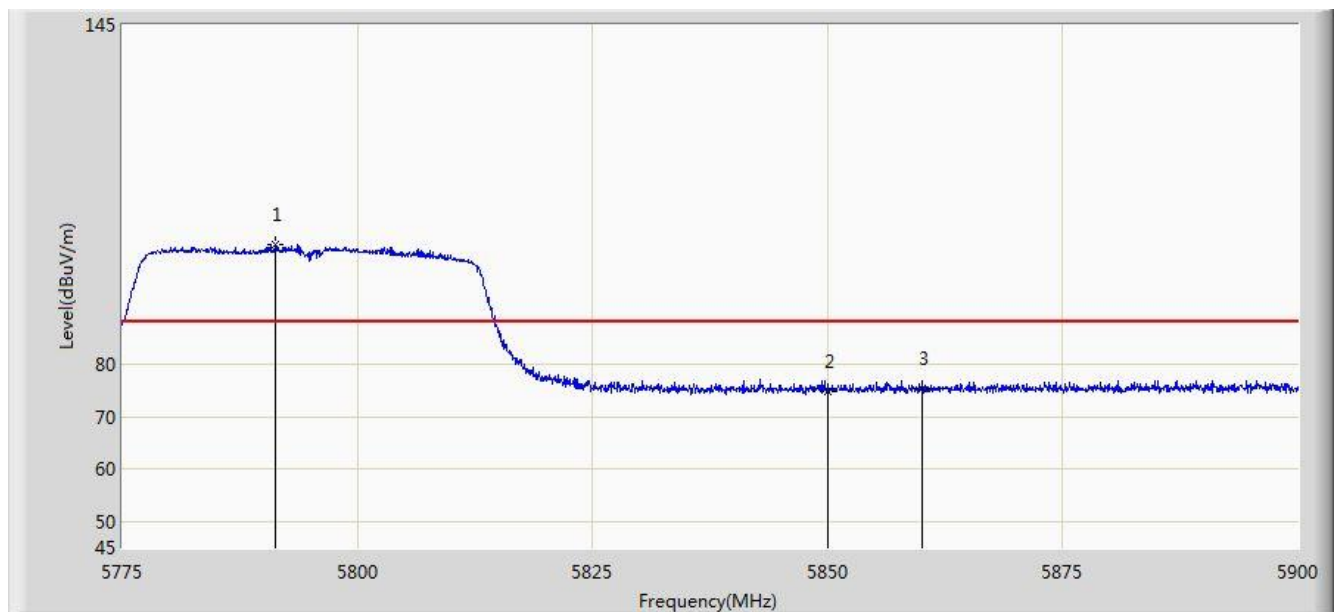
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.250	102.843	94.873	N/A	N/A	7.971	PK
2			5850.000	74.972	66.838	-23.228	98.200	8.134	PK
3			5860.000	75.414	67.225	-12.786	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:53
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	
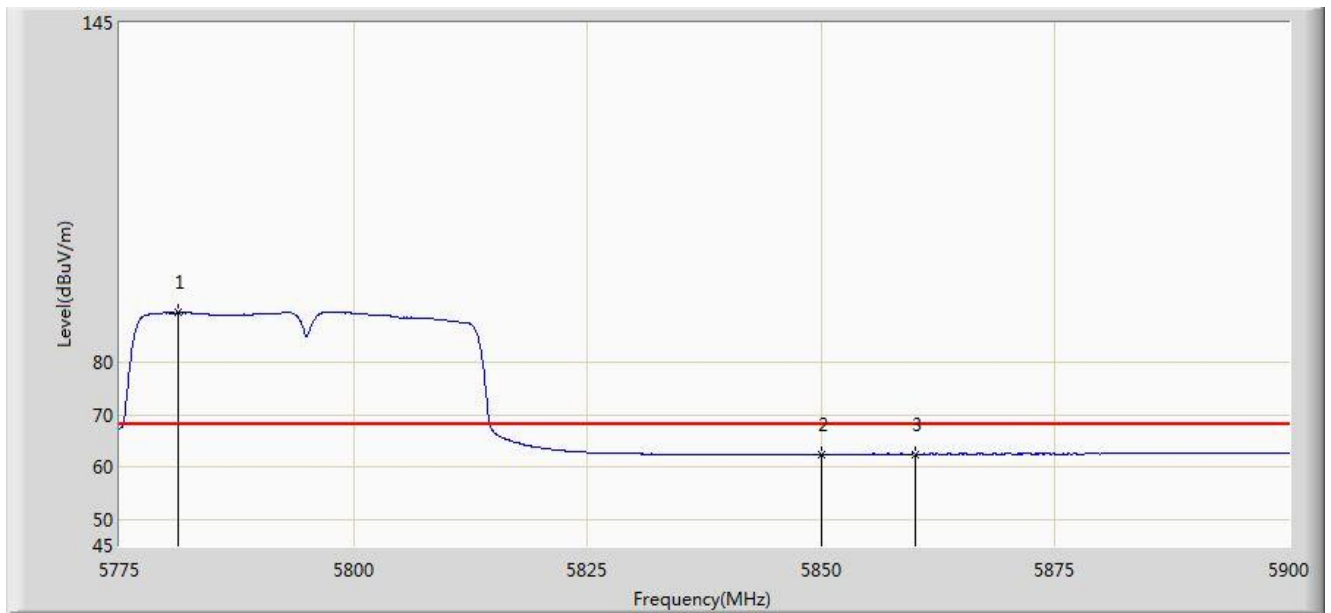
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.250	89.570	81.636	N/A	N/A	7.934	AV
2			5850.000	62.457	54.323	-15.743	78.200	8.134	AV
3			5860.000	62.517	54.328	-5.683	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:54
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	
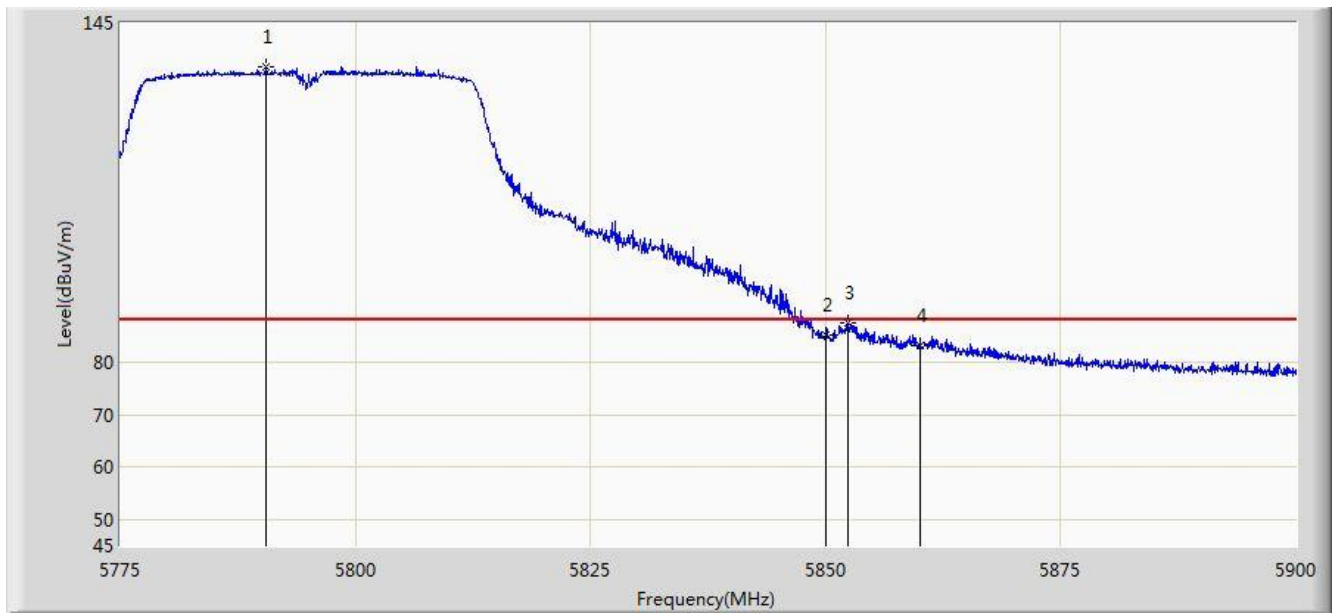
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.562	136.491	128.523	N/A	N/A	7.968	PK
2			5850.000	85.146	77.012	-13.054	98.200	8.134	PK
3			5852.375	87.607	79.460	-10.593	98.200	8.147	PK
4			5860.000	83.338	75.149	-4.862	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	
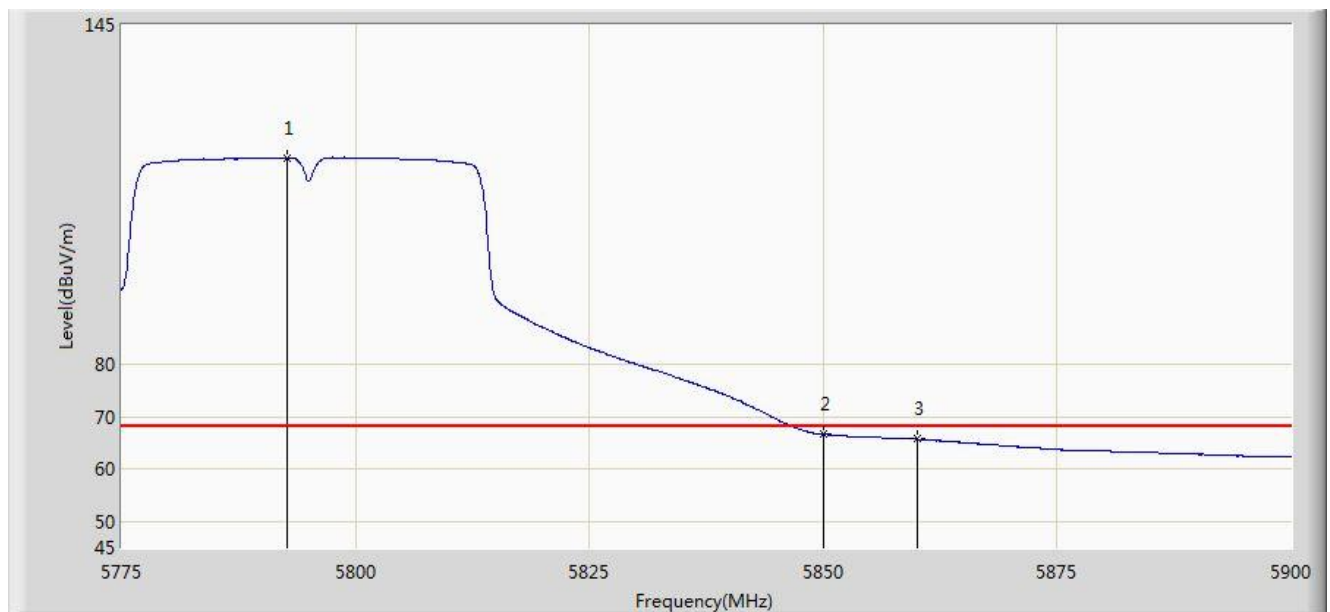
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5792.687	119.623	111.648	N/A	N/A	7.975	AV
2			5850.000	66.665	58.531	-11.535	78.200	8.134	AV
3			5860.000	65.762	57.573	-2.438	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	
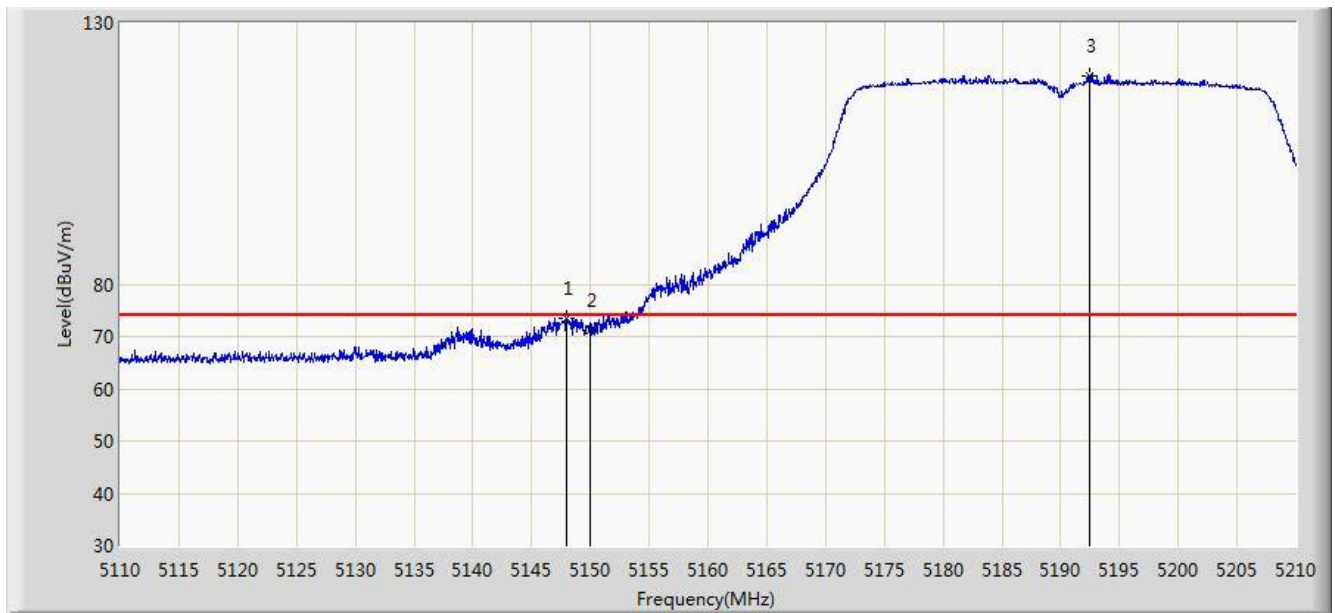
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.950	73.408	66.231	-0.592	74.000	7.177	PK
2			5150.000	71.239	64.063	-2.761	74.000	7.176	PK
3		*	5192.400	119.959	112.981	N/A	N/A	6.978	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	
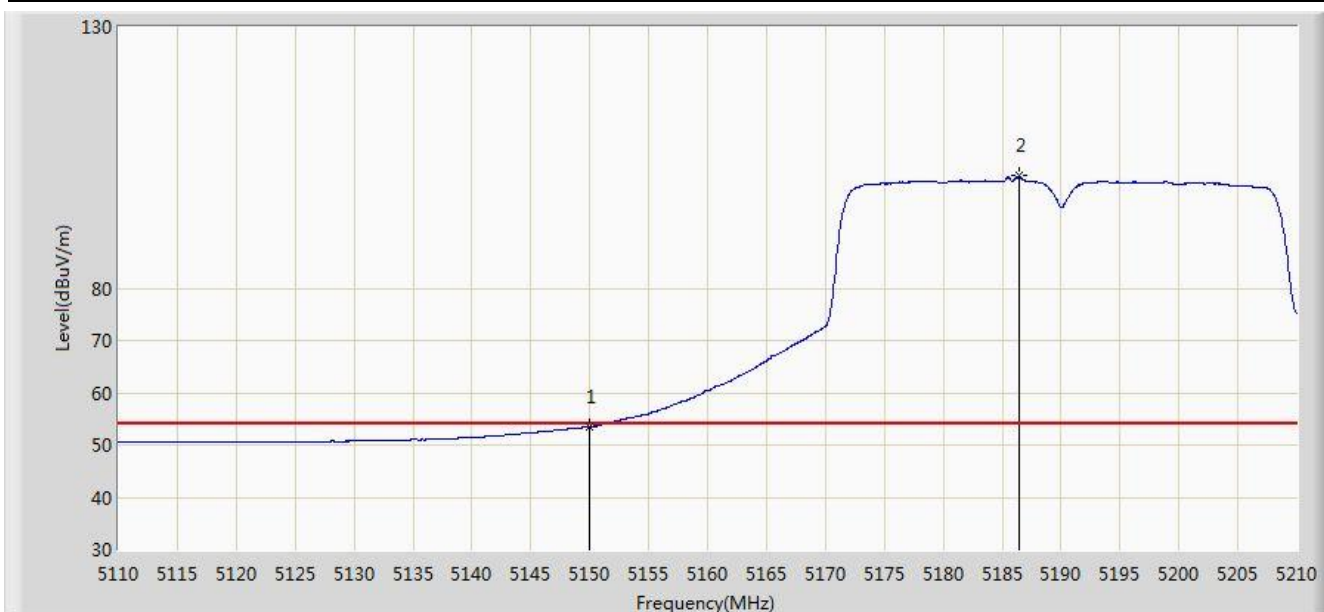
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.542	46.366	-0.458	54.000	7.176	AV
2		*	5186.450	101.486	94.472	N/A	N/A	7.014	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	
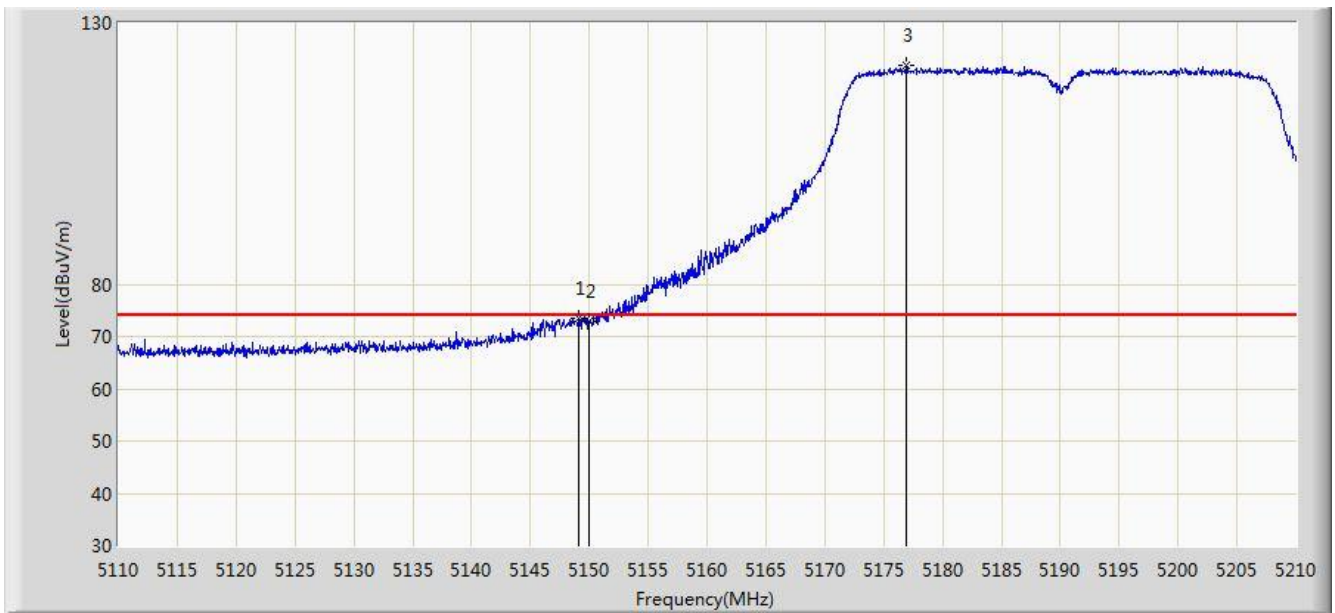
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.100	73.509	66.332	-0.491	74.000	7.176	PK
2			5150.000	72.836	65.660	-1.164	74.000	7.176	PK
3		*	5176.950	121.854	114.779	N/A	N/A	7.075	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	
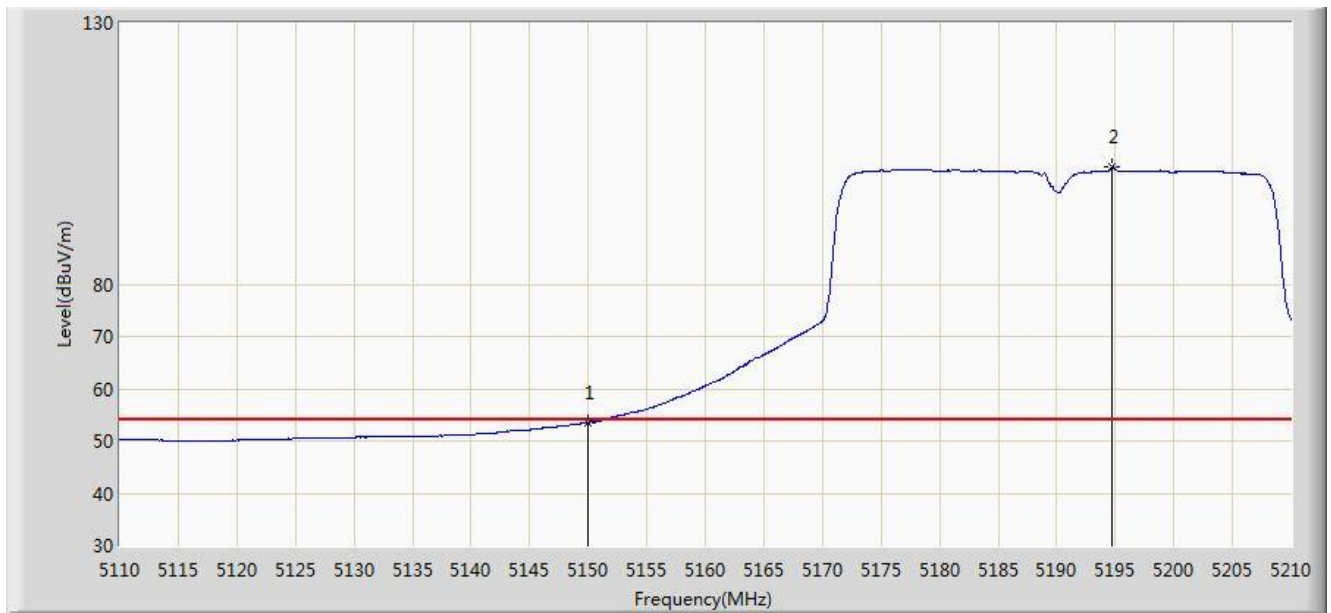
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.549	46.373	-0.451	54.000	7.176	AV
2		*	5194.700	102.563	95.598	N/A	N/A	6.965	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

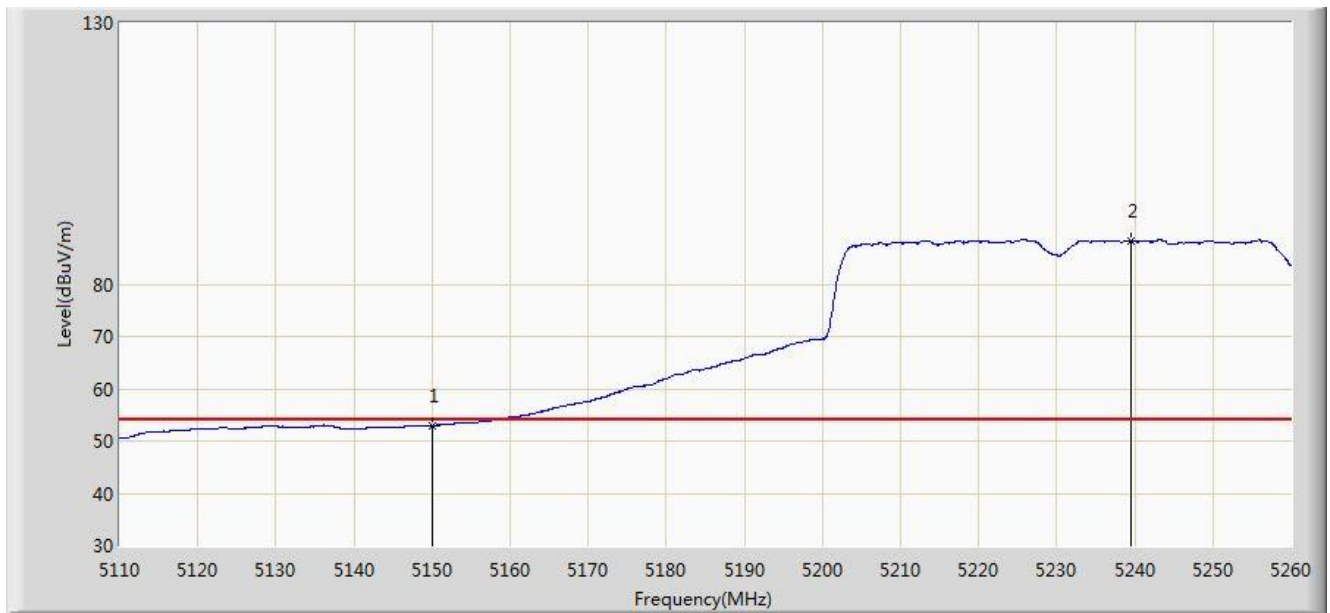| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
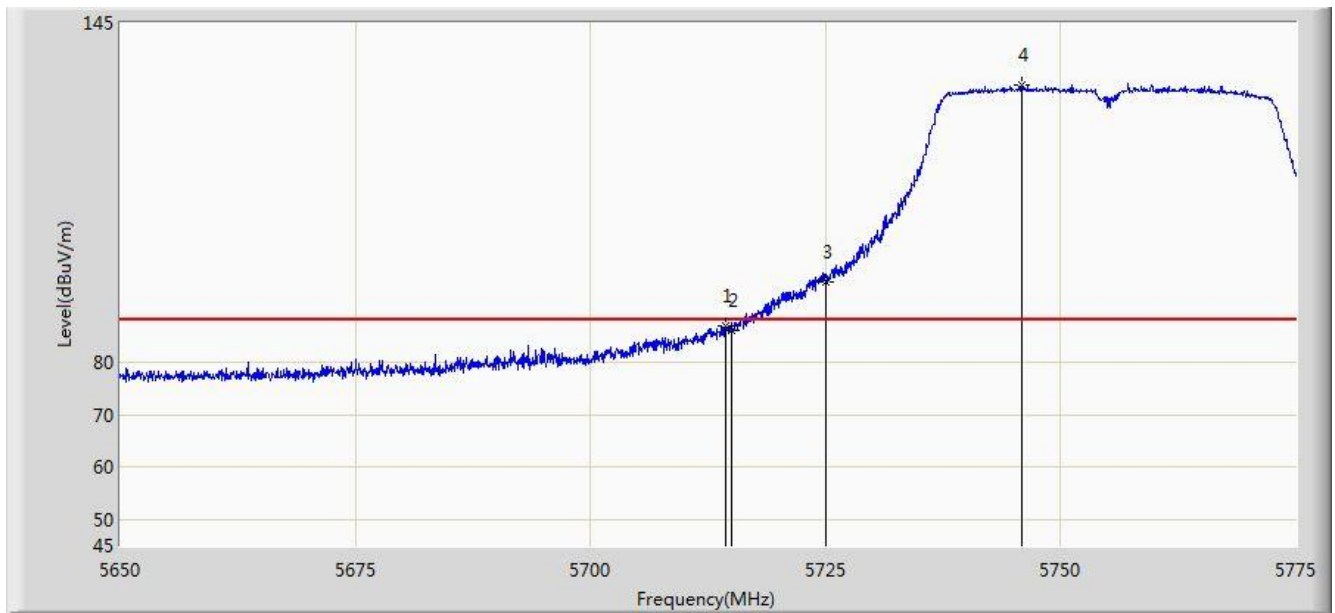
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.312	87.040	79.270	-1.160	88.200	7.770	PK
2			5715.000	86.180	78.408	-2.020	88.200	7.772	PK
3			5725.000	95.317	87.526	-2.883	98.200	7.791	PK
4		*	5745.937	133.076	125.242	N/A	N/A	7.834	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

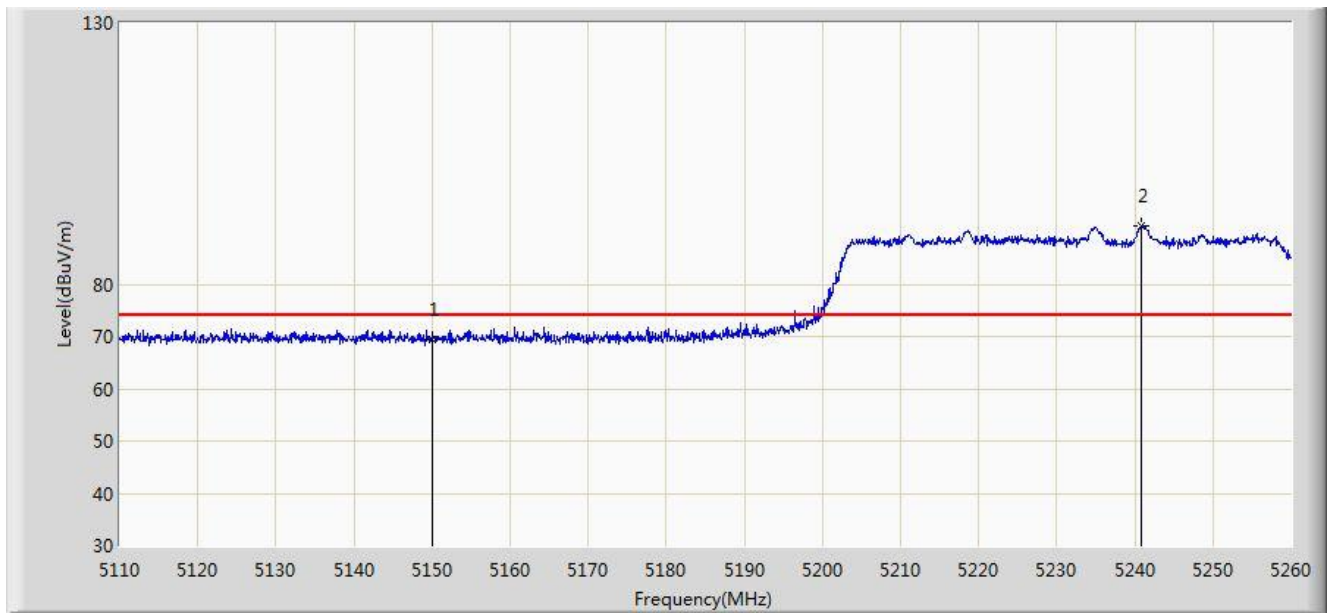| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
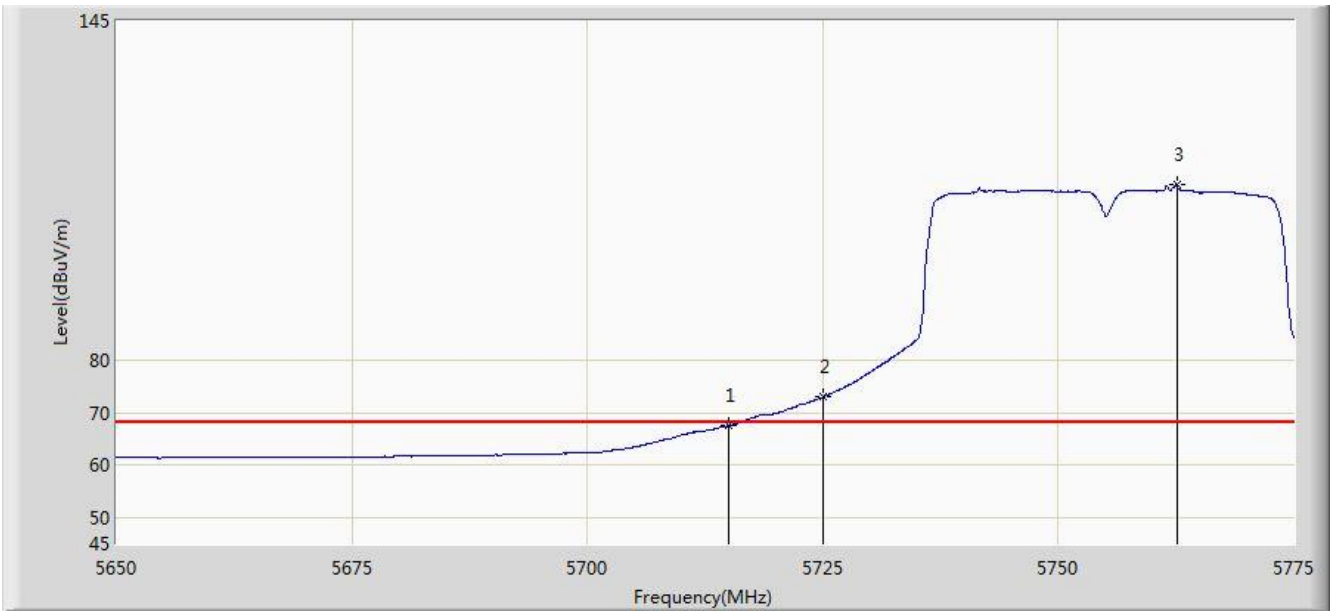
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.524	59.752	-0.676	68.200	7.772	AV
2			5725.000	73.001	65.210	-5.199	78.200	7.791	AV
3		*	5762.562	113.691	105.821	N/A	N/A	7.870	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
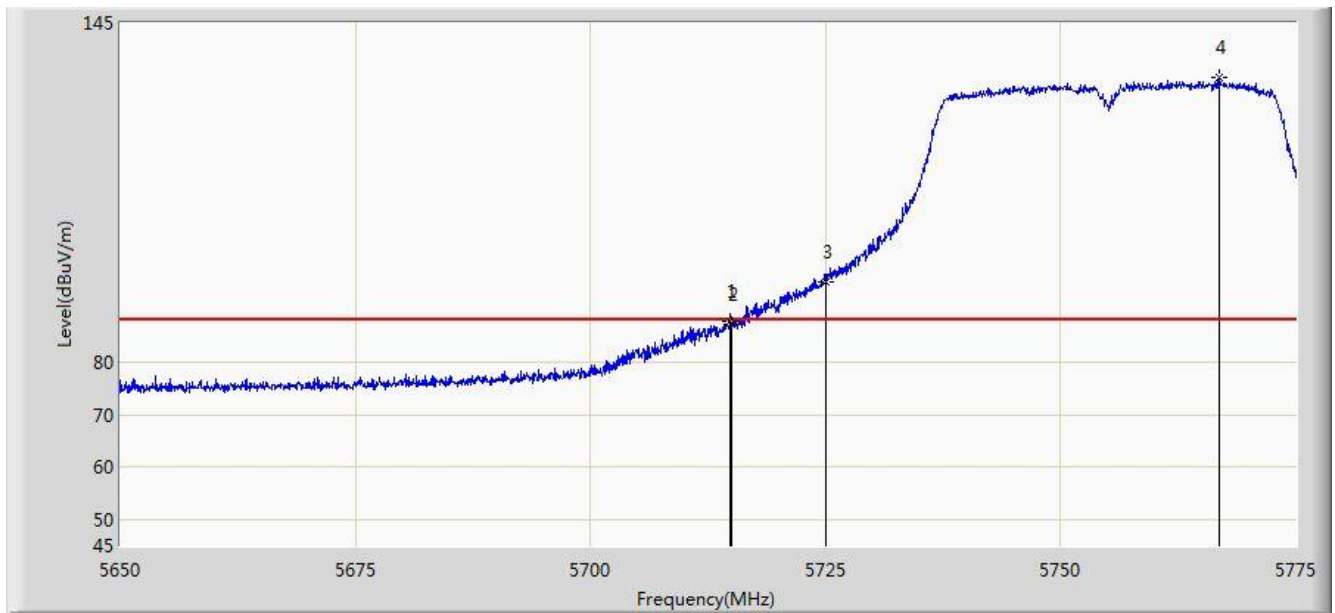
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.812	87.773	80.002	-0.427	88.200	7.771	PK
2			5715.000	87.181	79.409	-1.019	88.200	7.772	PK
3			5725.000	95.342	87.551	-2.858	98.200	7.791	PK
4		*	5766.875	134.681	126.796	N/A	N/A	7.885	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

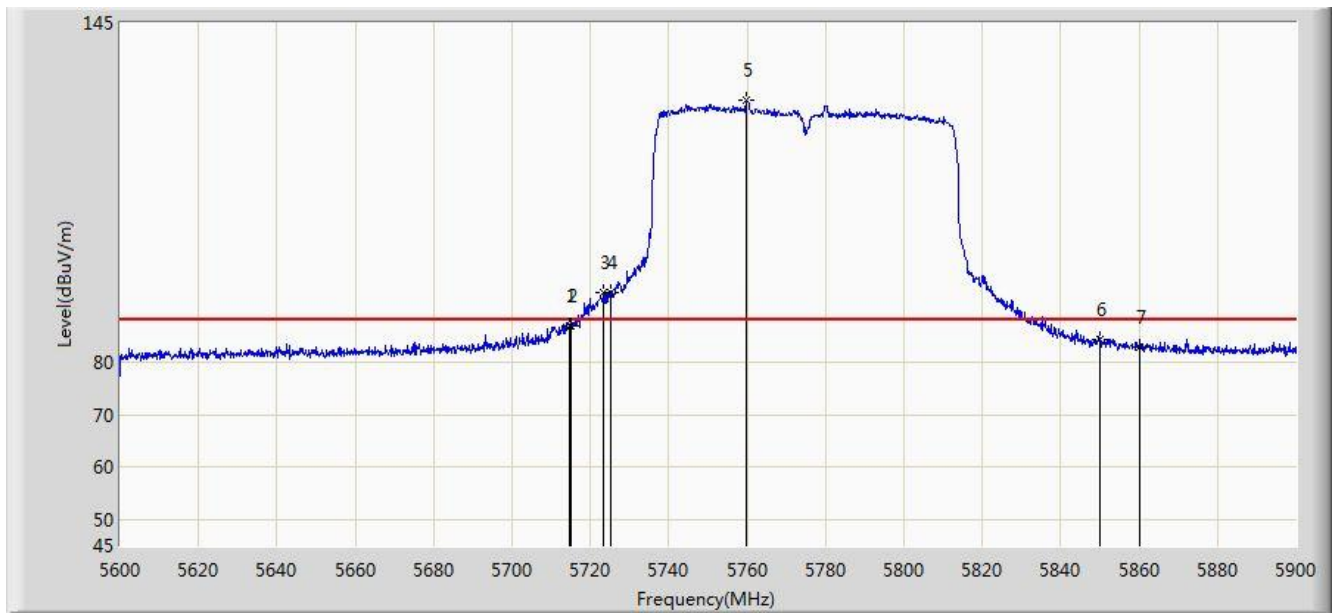| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:27
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
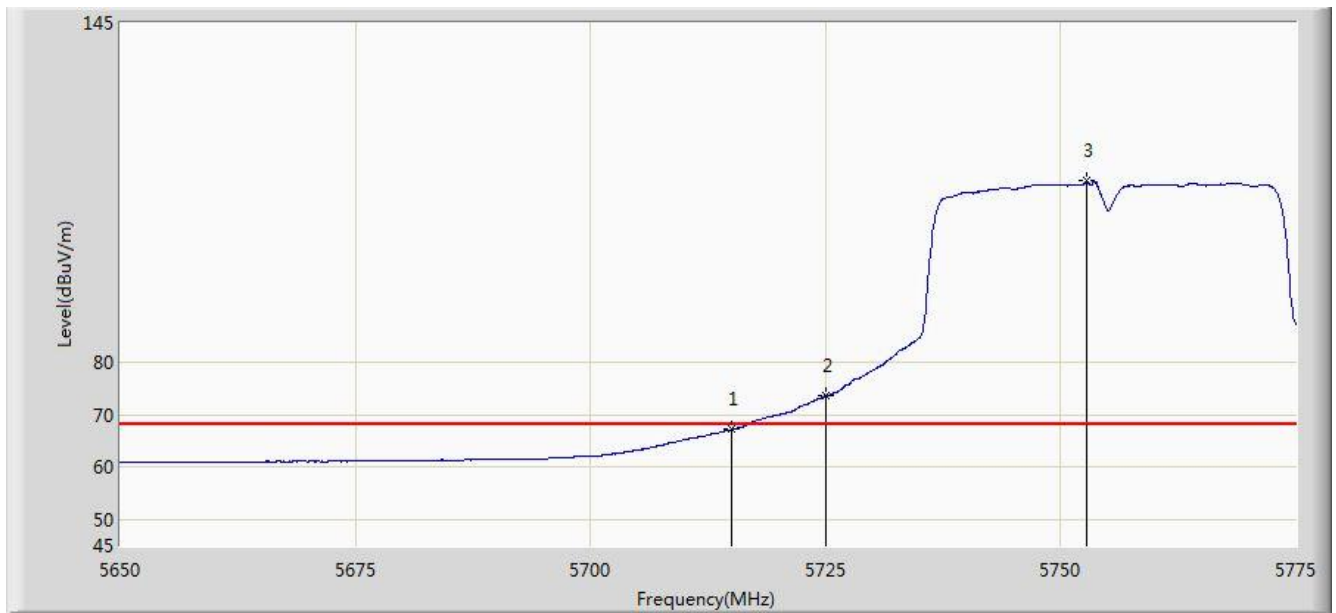
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.187	59.415	-1.013	68.200	7.772	AV
2			5725.000	73.595	65.804	-4.605	78.200	7.791	AV
3		*	5752.750	114.914	107.064	N/A	N/A	7.850	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

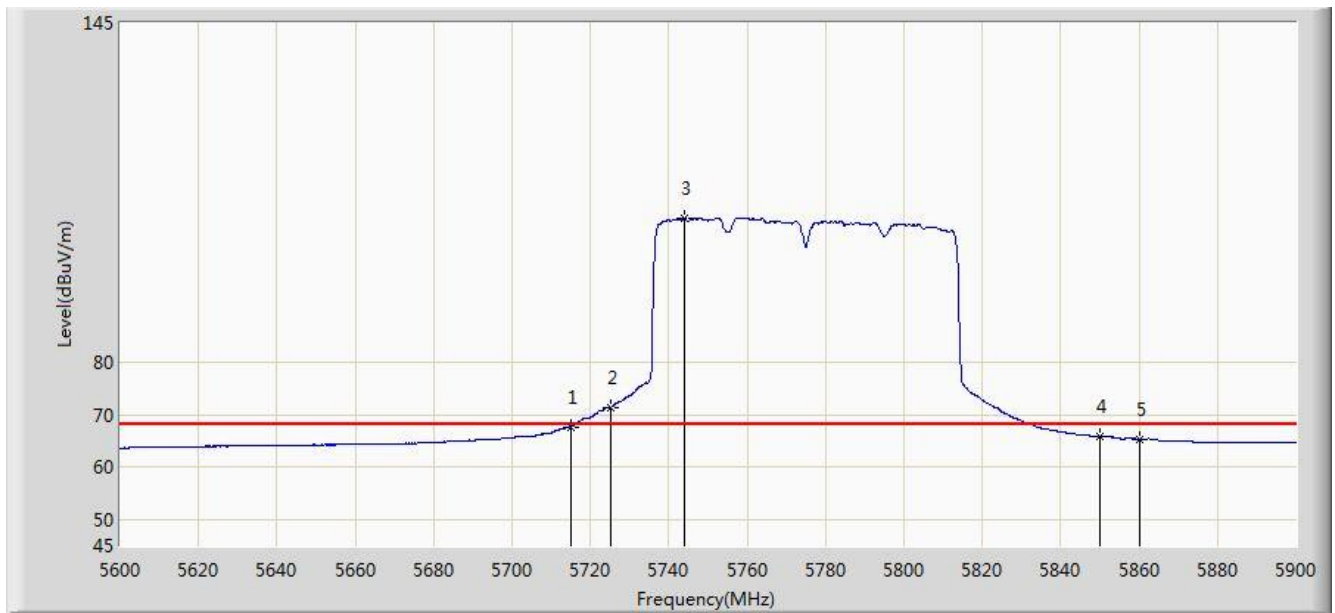| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:28
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	
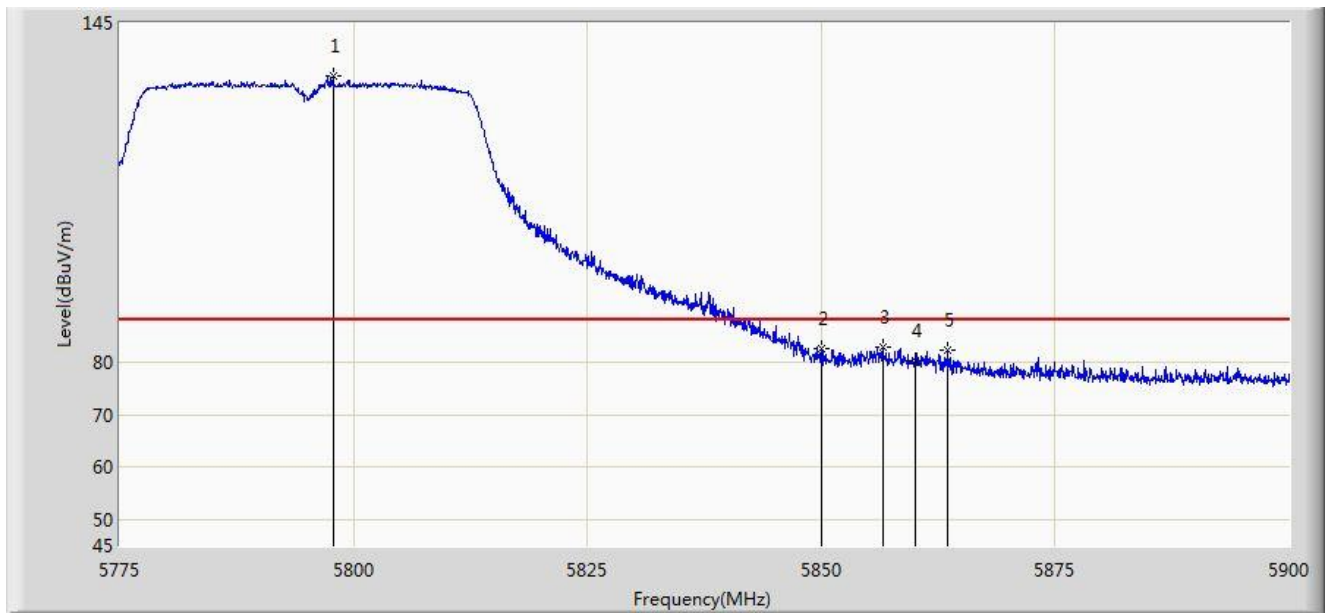
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.812	134.905	126.913	N/A	N/A	7.992	PK
2			5850.000	82.663	74.529	-15.537	98.200	8.134	PK
3			5856.562	83.018	74.848	-15.182	98.200	8.170	PK
4			5860.000	80.480	72.291	-7.720	88.200	8.189	PK
5			5863.562	82.434	74.229	-5.766	88.200	8.205	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

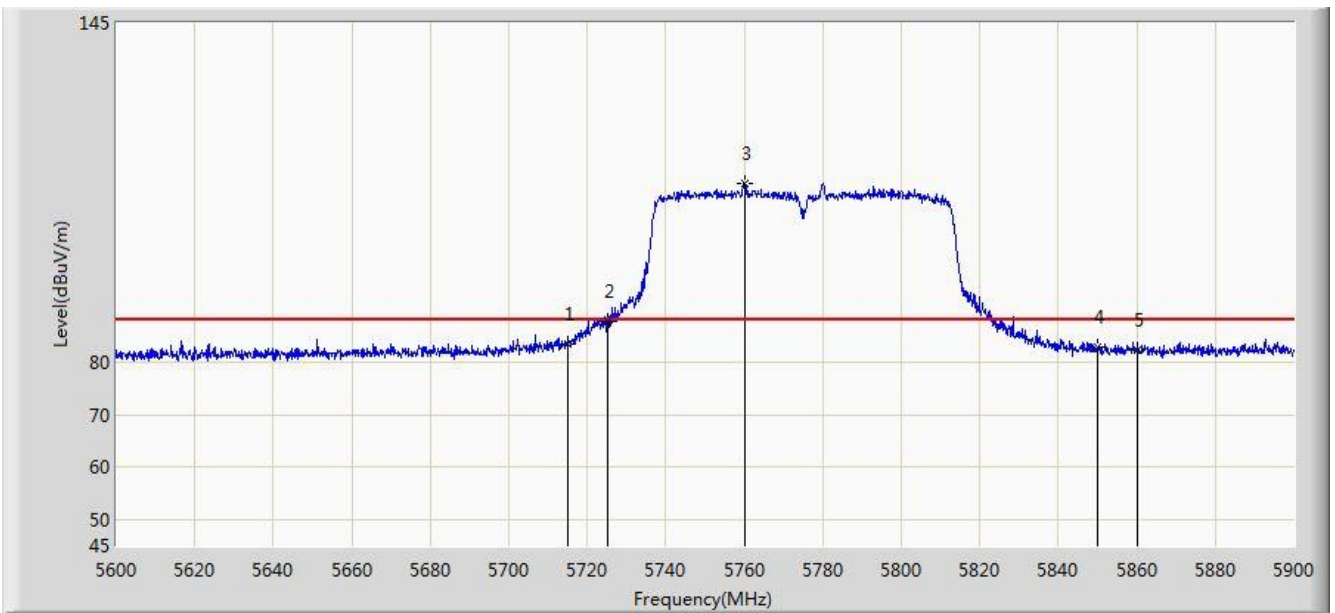| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:30
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	
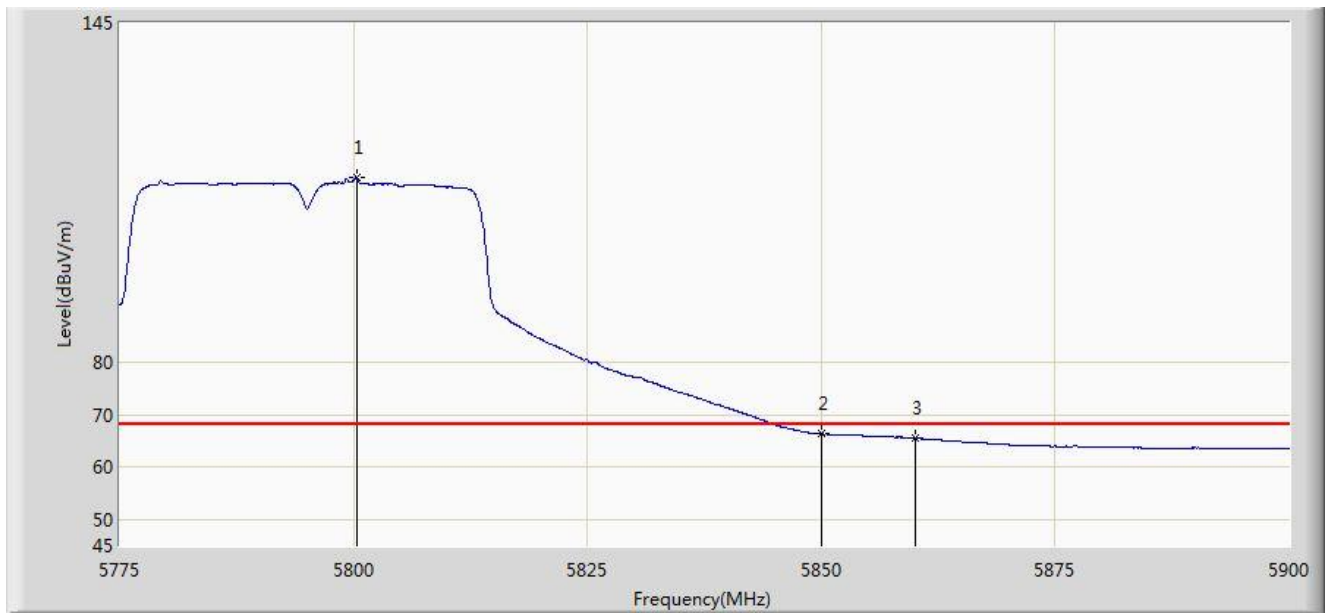
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5800.312	115.405	107.407	N/A	N/A	7.999	AV
2			5850.000	66.310	58.176	-11.890	78.200	8.134	AV
3			5860.000	65.525	57.336	-2.675	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

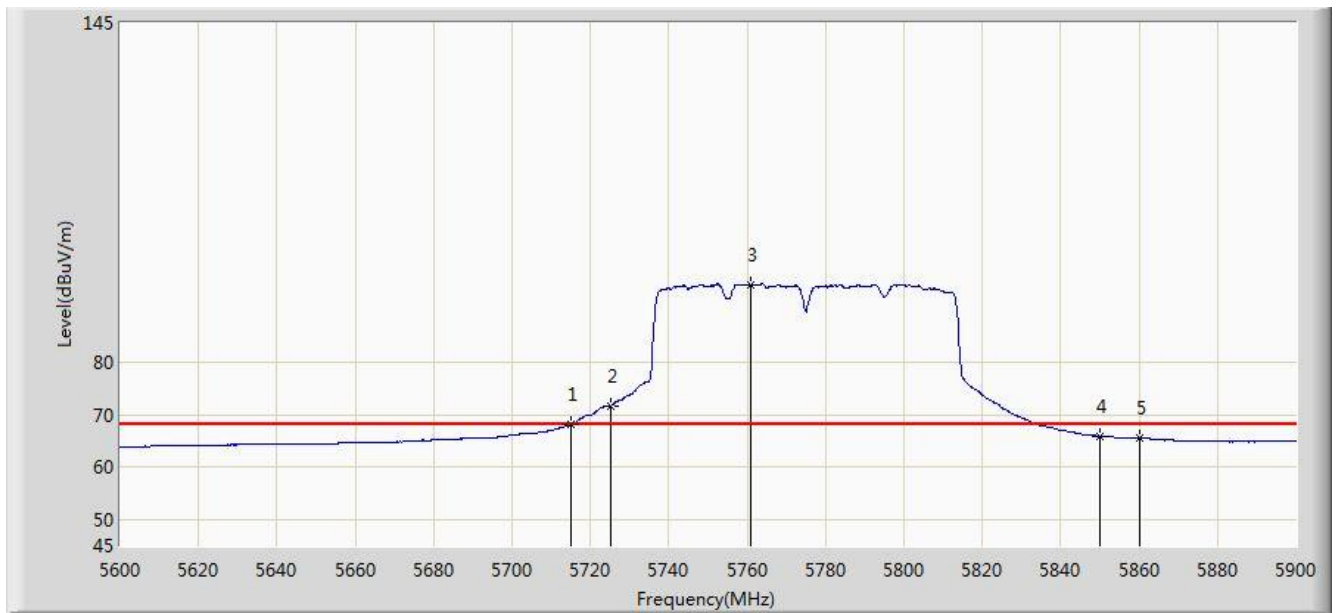| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:32
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	
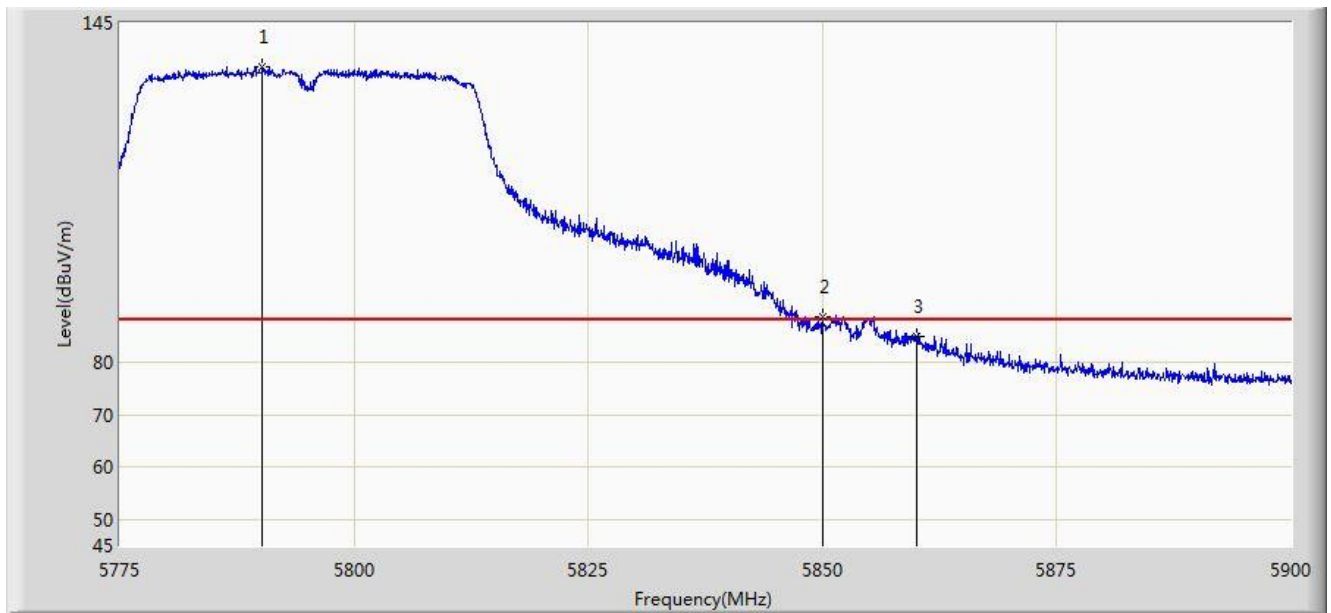
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.250	136.567	128.600	N/A	N/A	7.967	PK
2			5850.000	88.911	80.777	-9.289	98.200	8.134	PK
3			5860.000	85.065	76.876	-3.135	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:37
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	
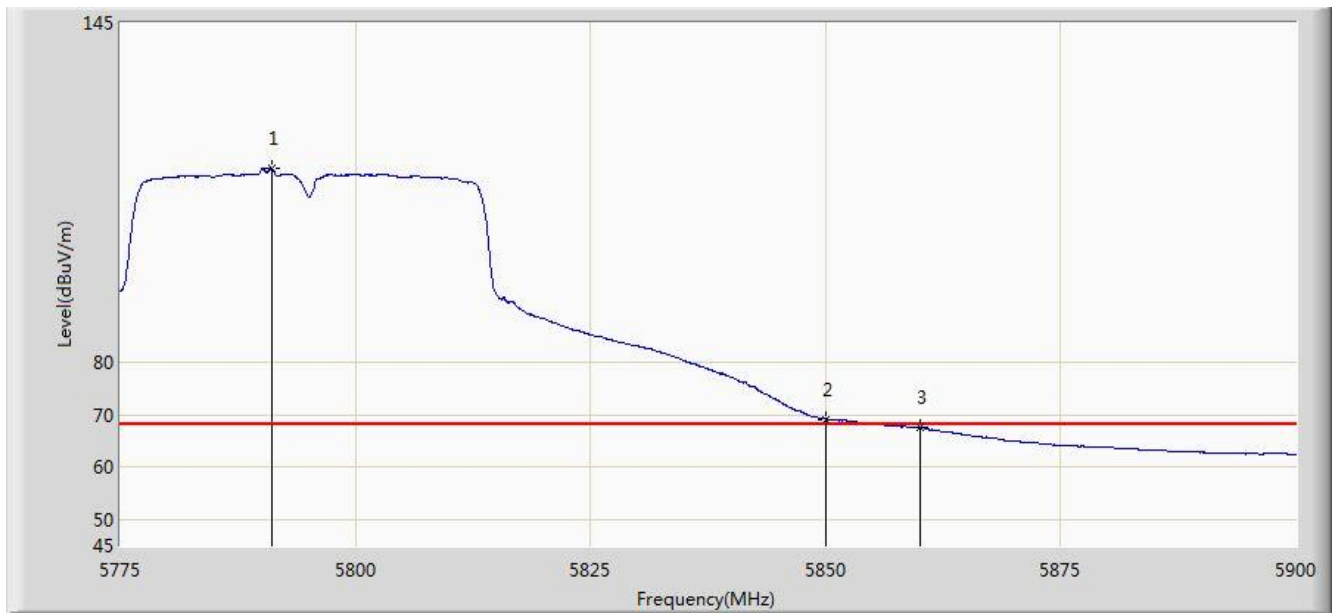
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.125	117.292	109.322	N/A	N/A	7.970	AV
2			5850.000	69.202	61.068	-8.998	78.200	8.134	AV
3			5860.000	67.661	59.472	-0.539	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	
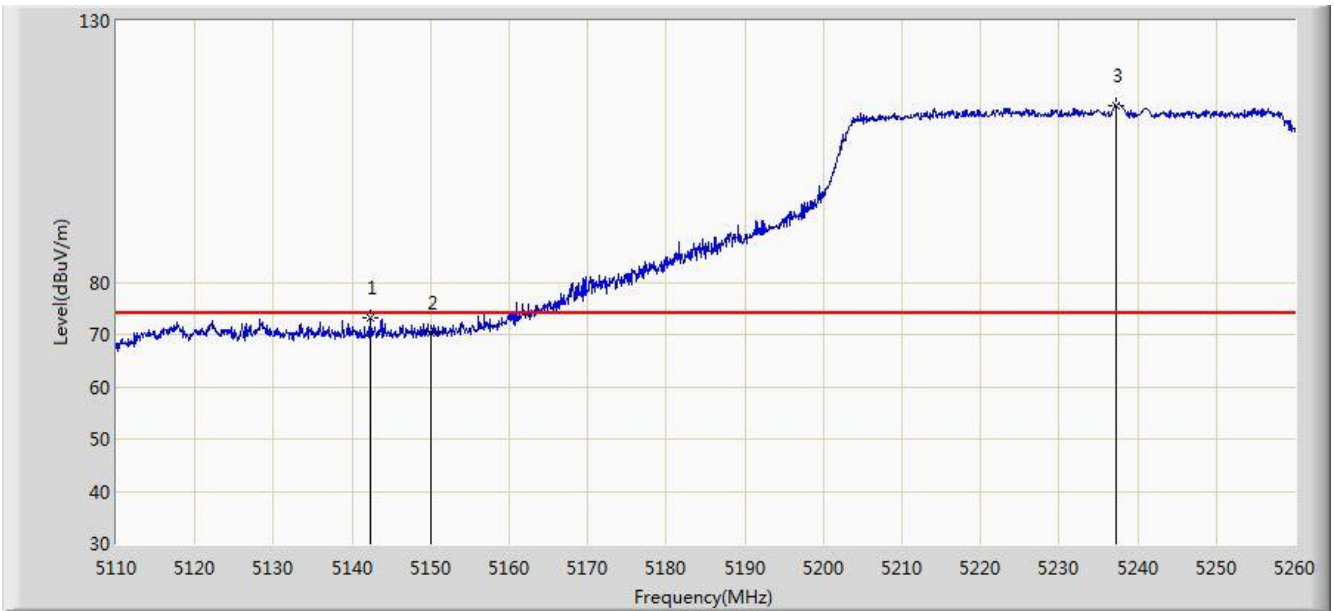
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.250	73.182	66.003	-0.818	74.000	7.179	PK
2			5150.000	70.308	63.132	-3.692	74.000	7.176	PK
3		*	5237.275	113.903	107.194	N/A	N/A	6.709	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.978	45.802	-1.022	54.000	7.176	AV
2		*	5239.600	88.386	81.693	N/A	N/A	6.693	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	69.547	62.371	-4.453	74.000	7.176	PK
2		*	5240.875	91.275	84.591	N/A	N/A	6.684	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.826	44.650	-2.174	54.000	7.176	AV
2		*	5225.650	70.360	63.573	N/A	N/A	6.787	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

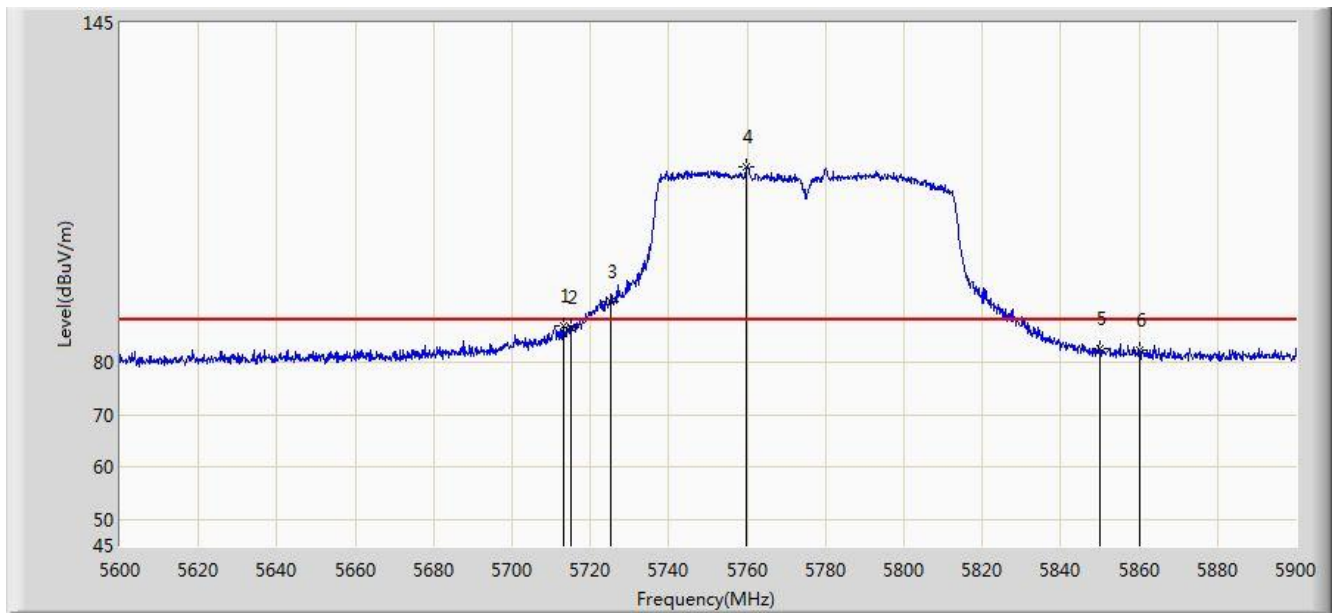| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:32
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.600	87.149	79.378	-1.051	88.200	7.770	PK
2			5715.000	86.964	79.192	-1.236	88.200	7.772	PK
3			5723.300	93.307	85.520	-4.893	98.200	7.787	PK
4			5725.000	93.315	85.524	-4.885	98.200	7.791	PK
5		*	5759.900	130.145	122.283	N/A	N/A	7.862	PK
6			5850.000	84.298	76.164	-13.902	98.200	8.134	PK
7			5860.000	83.043	74.854	-5.157	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

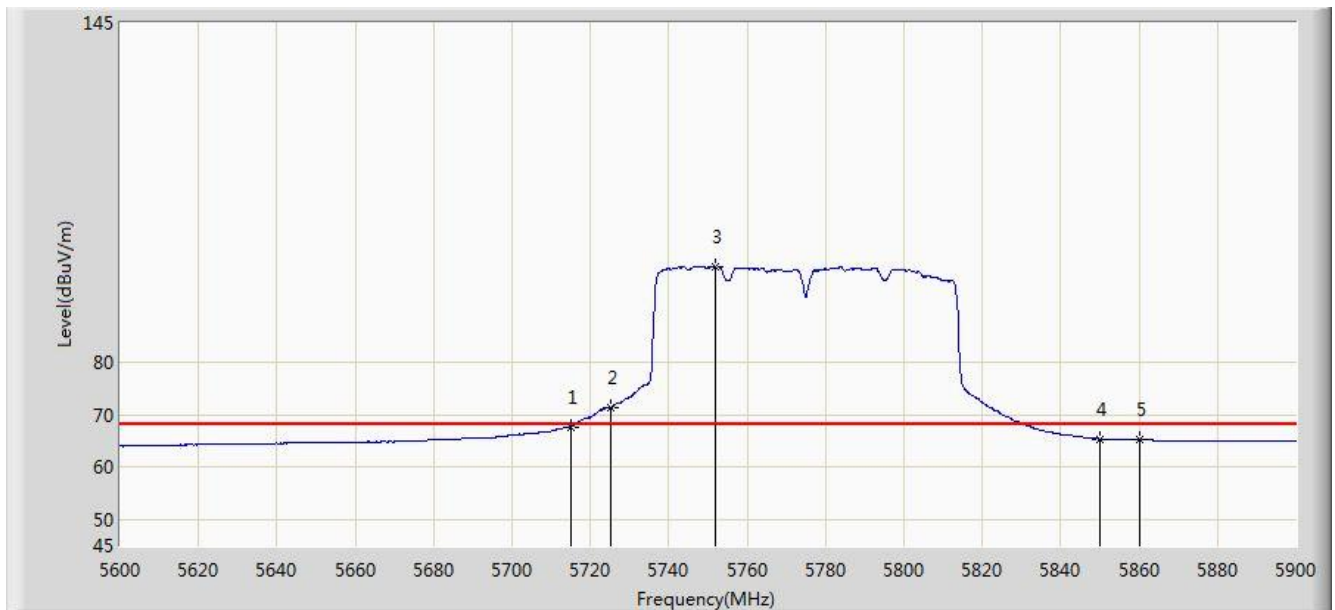| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.729	59.957	-0.471	68.200	7.772	AV
2			5725.000	71.409	63.618	-6.791	78.200	7.791	AV
3		*	5744.000	107.665	99.834	N/A	N/A	7.831	AV
4			5850.000	65.838	57.704	-12.362	78.200	8.134	AV
5			5860.000	65.373	57.184	-2.827	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

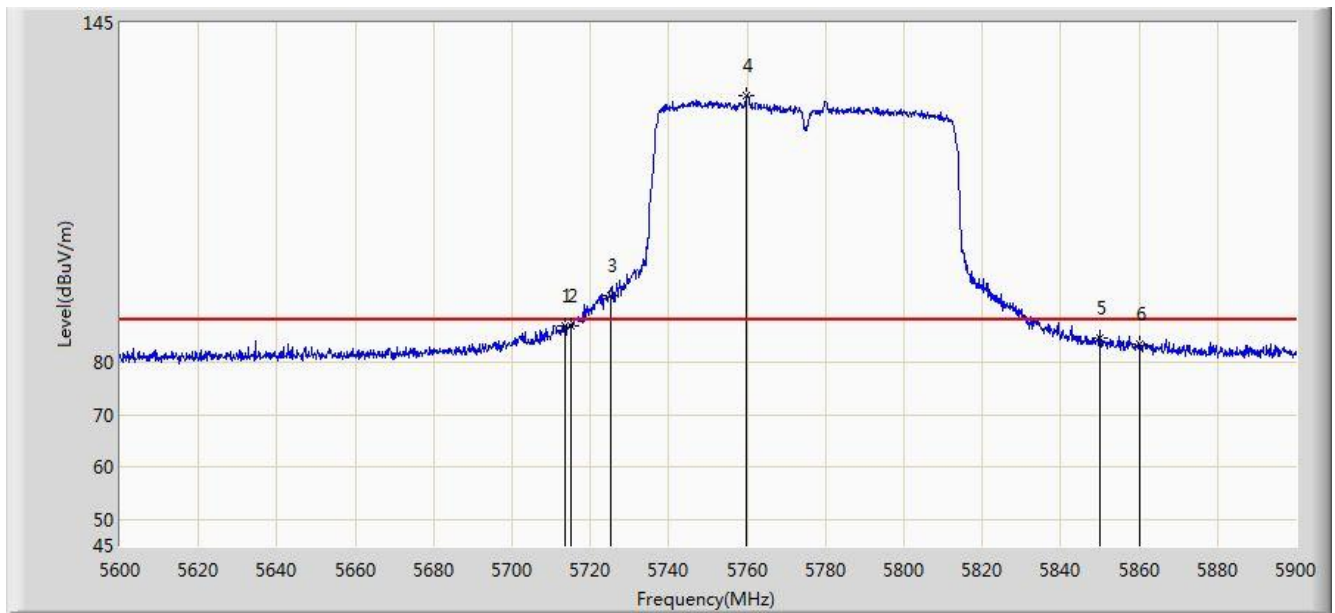| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	83.468	75.696	-4.732	88.200	7.772	PK
2			5725.000	88.000	80.209	-10.200	98.200	7.791	PK
3		*	5760.050	114.413	106.551	N/A	N/A	7.862	PK
4			5850.000	83.047	74.913	-15.153	98.200	8.134	PK
5			5860.000	82.463	74.274	-5.737	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

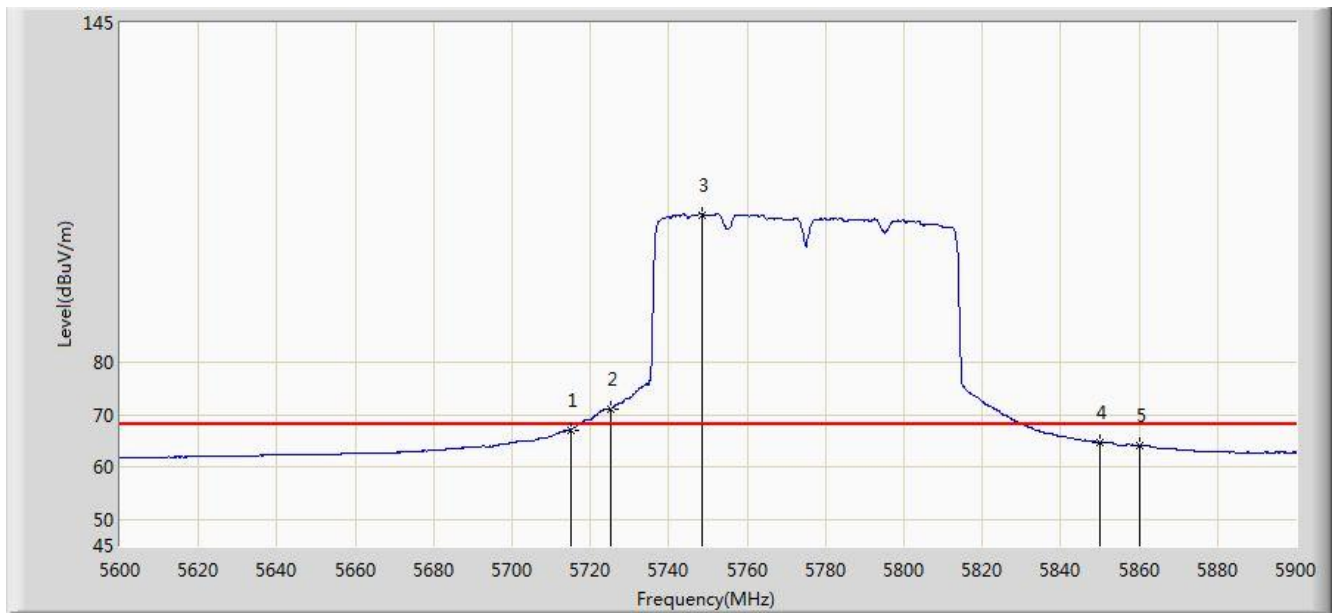| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.069	60.297	-0.131	68.200	7.772	AV
2			5725.000	71.774	63.983	-6.426	78.200	7.791	AV
3		*	5760.800	94.858	86.993	N/A	N/A	7.865	AV
4			5850.000	65.910	57.776	-12.290	78.200	8.134	AV
5			5860.000	65.490	57.301	-2.710	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
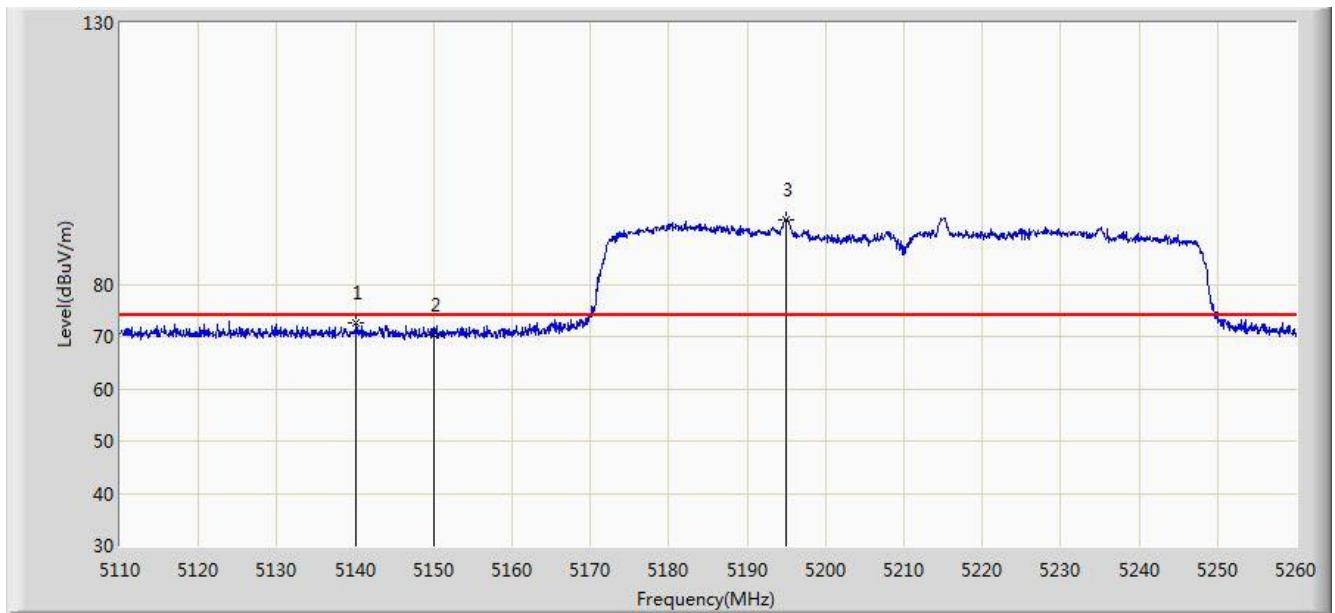
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.150	72.637	65.457	-1.363	74.000	7.180	PK
2			5150.000	70.199	63.023	-3.801	74.000	7.176	PK
3		*	5195.050	92.421	85.460	N/A	N/A	6.961	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
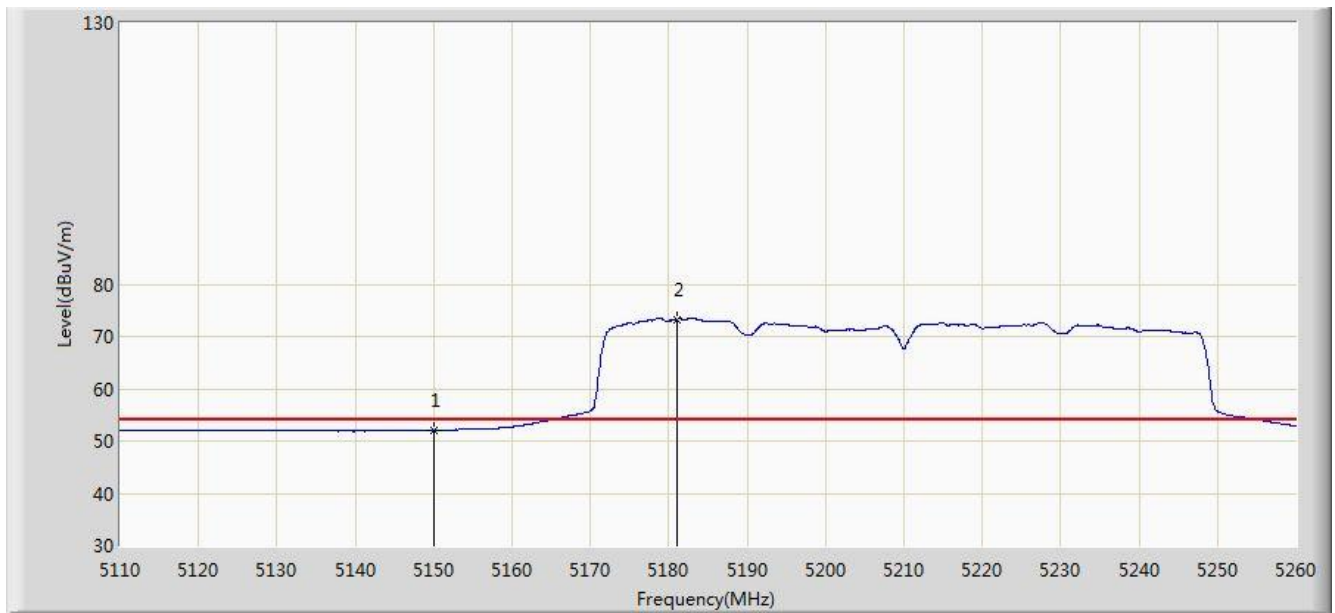
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.033	44.857	-1.967	54.000	7.176	AV
2		*	5181.100	73.306	66.259	N/A	N/A	7.047	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
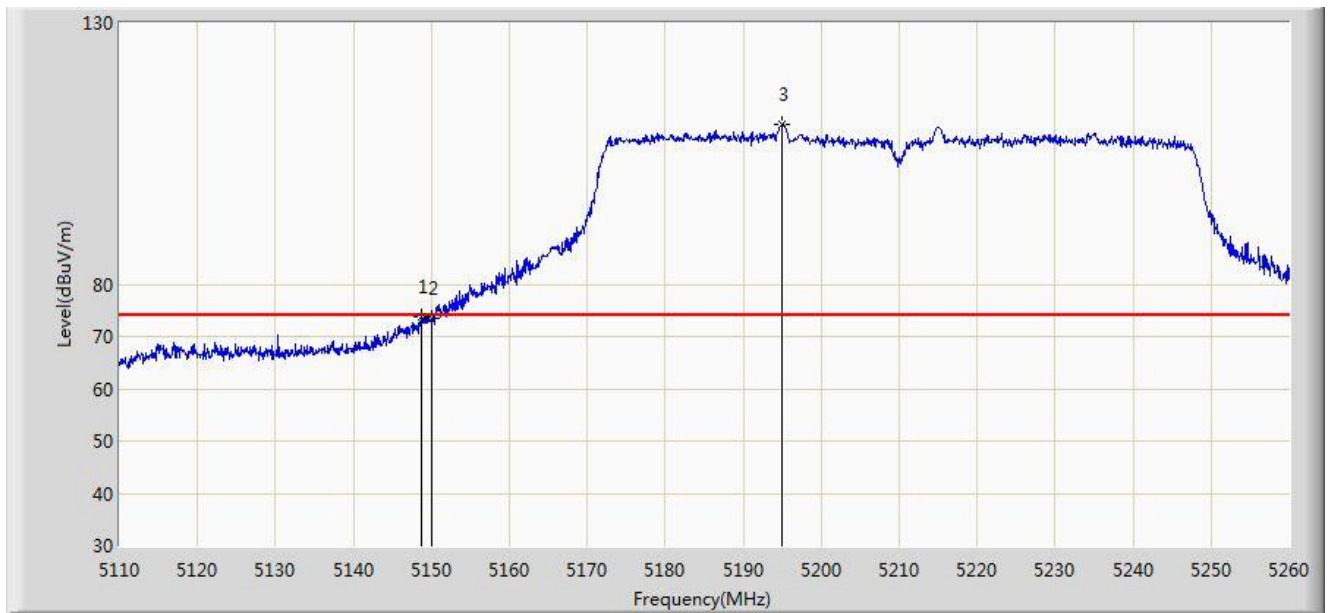
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.775	73.793	66.616	-0.207	74.000	7.177	PK
2			5150.000	73.461	66.285	-0.539	74.000	7.176	PK
3		*	5195.050	110.639	103.678	N/A	N/A	6.961	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
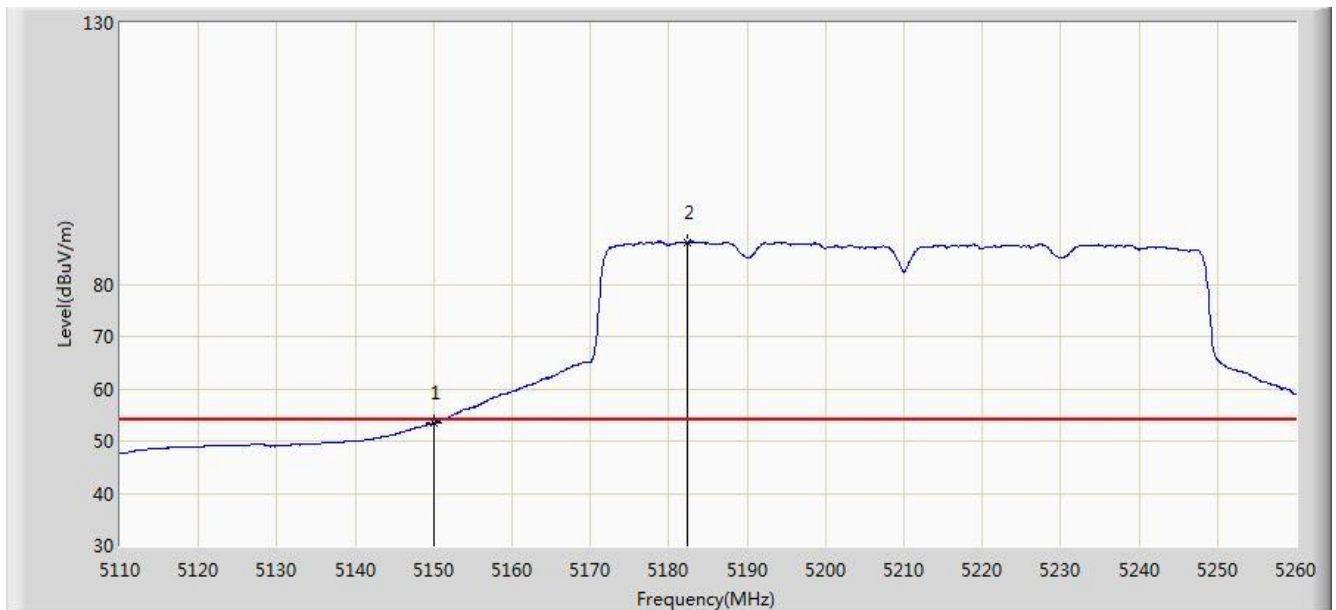
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.366	46.190	-0.634	54.000	7.176	AV
2		*	5182.300	87.904	80.865	N/A	N/A	7.039	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.250	87.054	79.286	-1.146	88.200	7.768	PK
2			5715.000	86.772	79.000	-1.428	88.200	7.772	PK
3			5725.000	91.795	84.004	-6.405	98.200	7.791	PK
4		*	5759.900	117.432	109.570	N/A	N/A	7.862	PK
5			5850.000	82.714	74.580	-15.486	98.200	8.134	PK
6			5860.000	82.275	74.086	-5.925	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

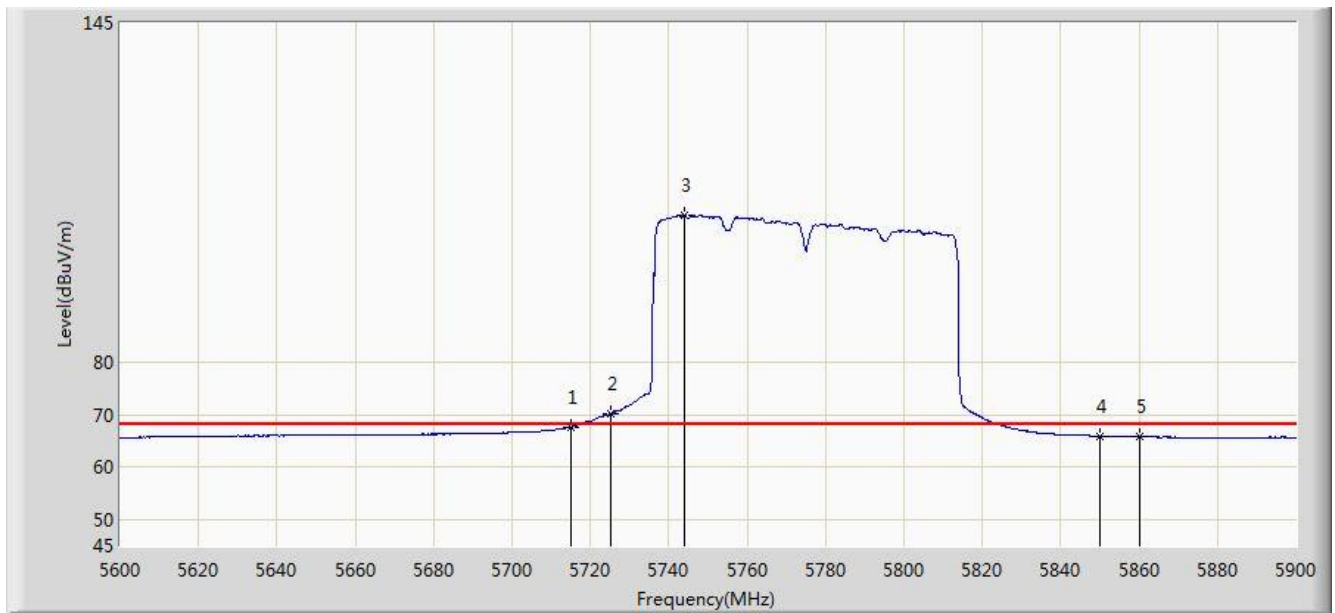| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.739	59.967	-0.461	68.200	7.772	AV
2			5725.000	71.343	63.552	-6.857	78.200	7.791	AV
3		*	5751.950	98.428	90.581	N/A	N/A	7.847	AV
4			5850.000	65.414	57.280	-12.786	78.200	8.134	AV
5			5860.000	65.281	57.092	-2.919	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

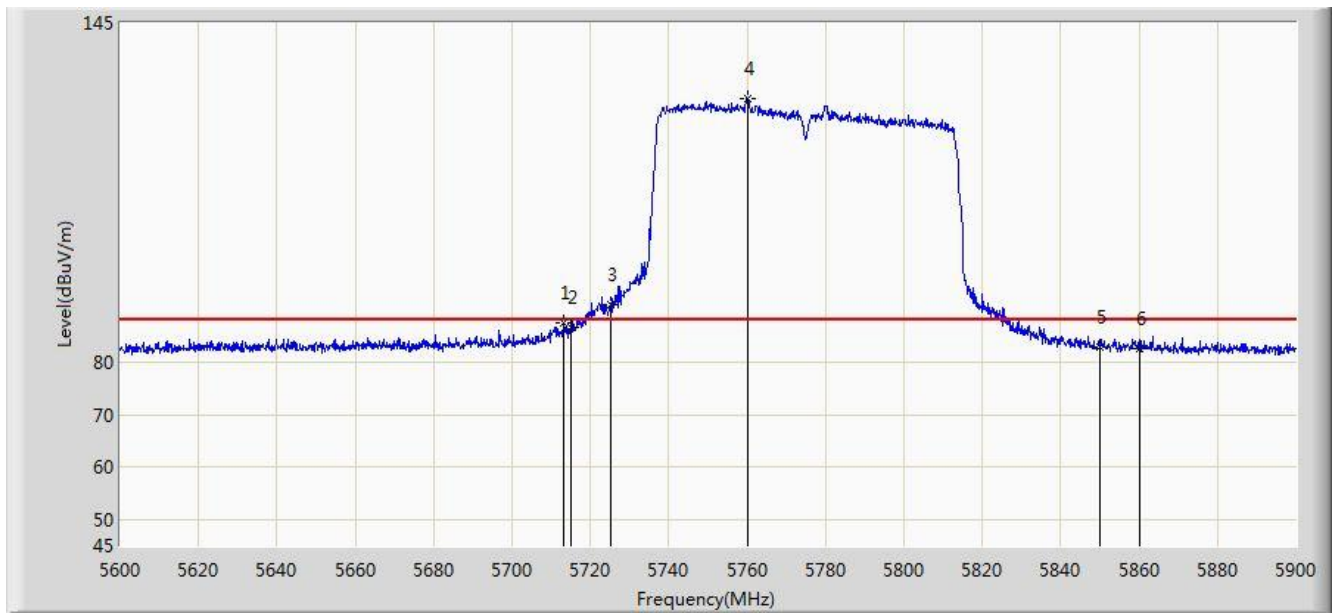| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.700	87.110	79.341	-1.090	88.200	7.769	PK
2			5715.000	86.992	79.220	-1.208	88.200	7.772	PK
3			5725.000	92.765	84.974	-5.435	98.200	7.791	PK
4		*	5759.900	131.058	123.196	N/A	N/A	7.862	PK
5			5850.000	84.679	76.545	-23.521	98.200	8.134	PK
6			5860.000	83.658	75.469	-4.542	88.200	8.189	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

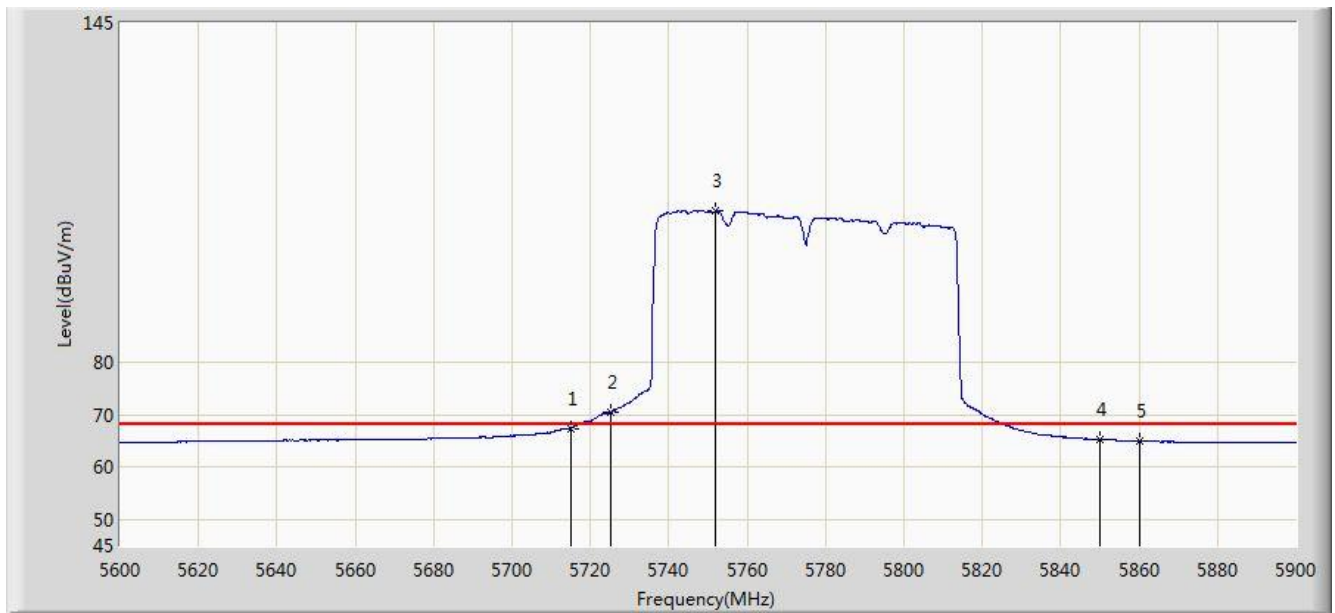| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.162	59.390	-1.038	68.200	7.772	AV
2			5725.000	71.066	63.275	-7.134	78.200	7.791	AV
3		*	5748.650	108.304	100.464	N/A	N/A	7.840	AV
4			5850.000	64.759	56.625	-13.441	78.200	8.134	AV
5			5860.000	63.992	55.803	-4.208	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
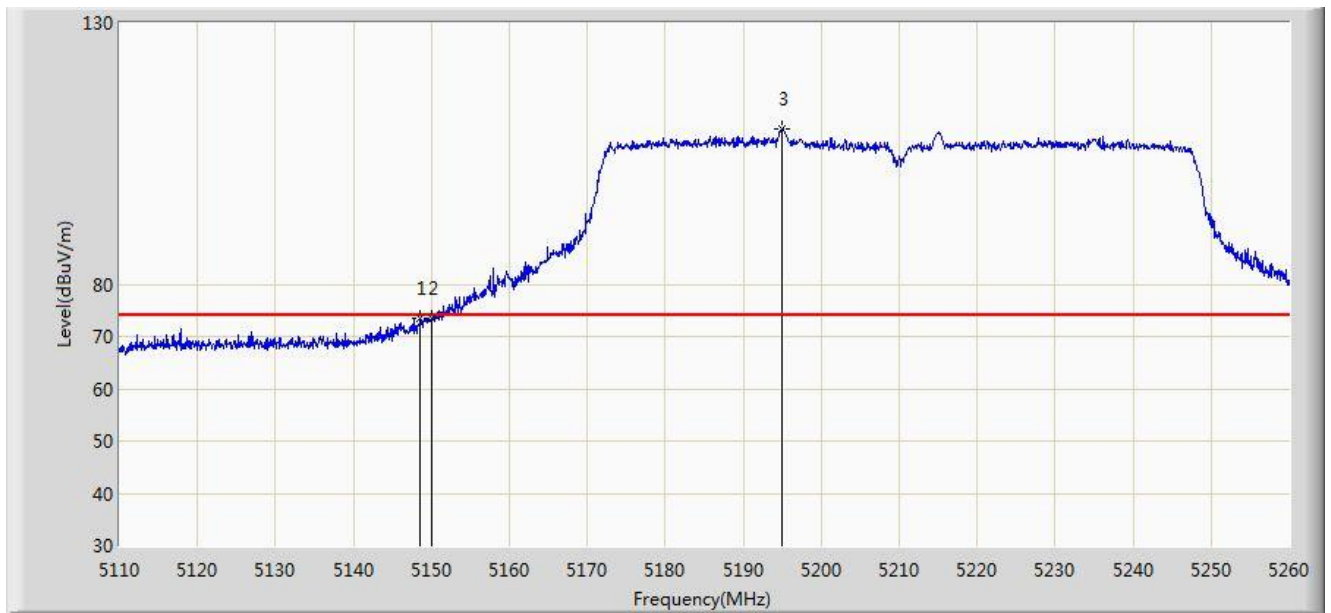
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.550	73.559	66.382	-0.441	74.000	7.177	PK
2			5150.000	73.369	66.193	-0.631	74.000	7.176	PK
3		*	5195.050	109.584	102.623	N/A	N/A	6.961	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
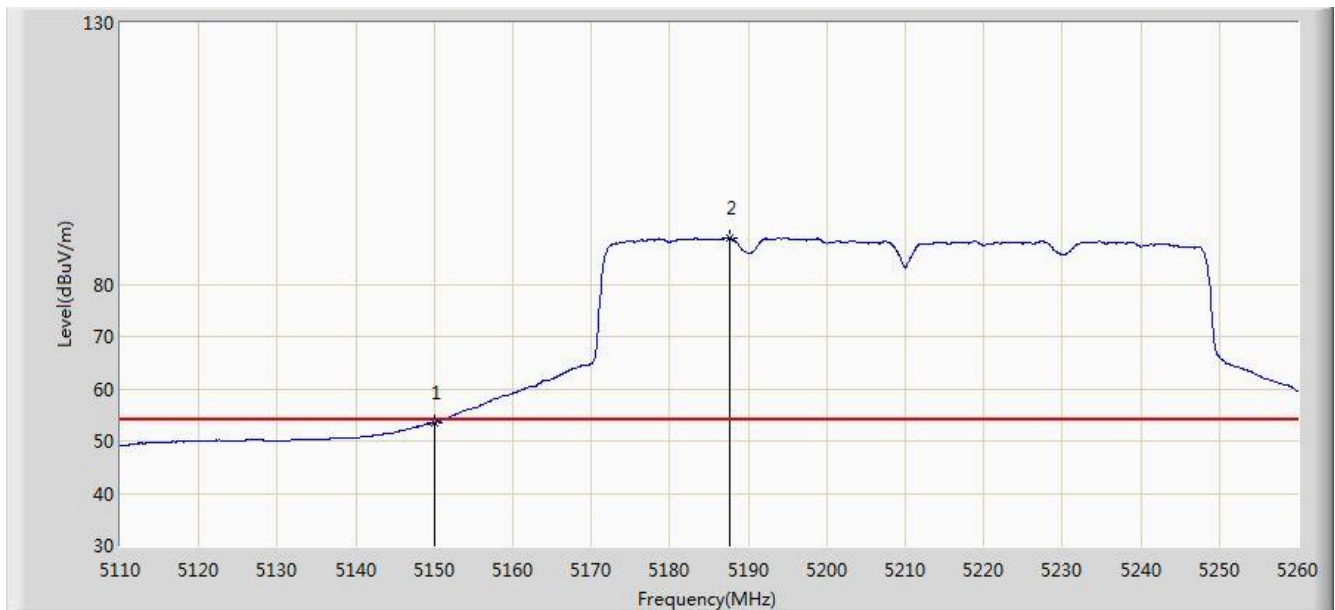
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.559	46.383	-0.441	54.000	7.176	AV
2		*	5187.625	88.831	81.824	N/A	N/A	7.007	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
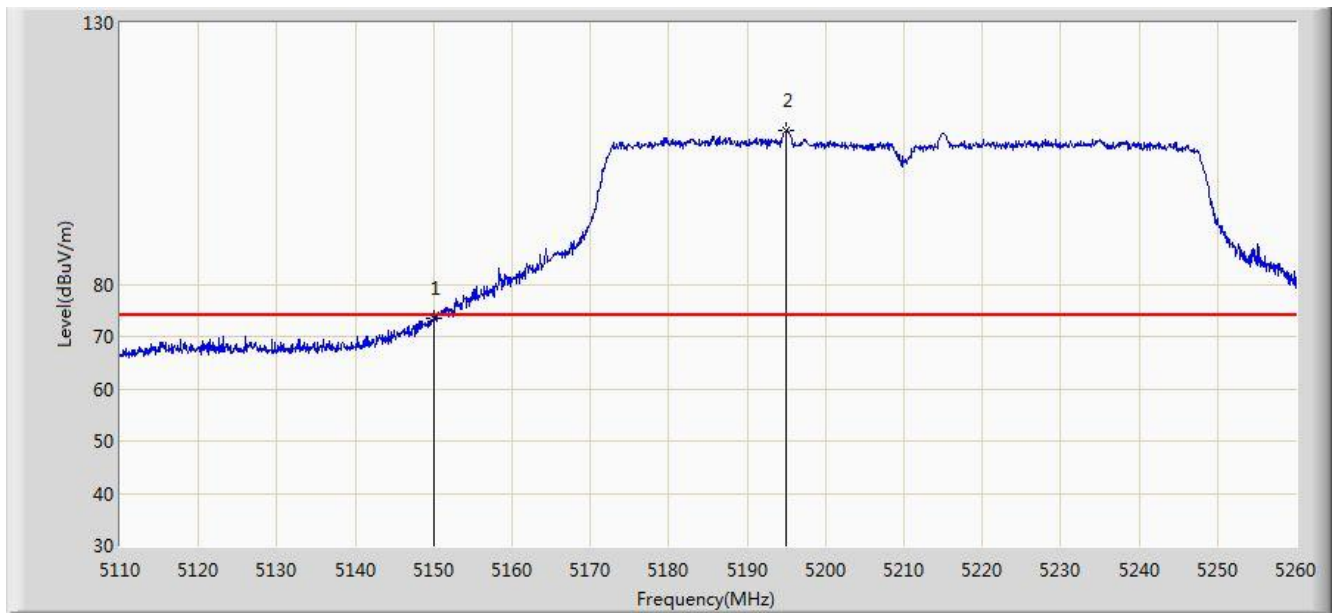
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	73.586	66.410	-0.414	74.000	7.176	PK
2		*	5195.050	109.436	102.475	N/A	N/A	6.961	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
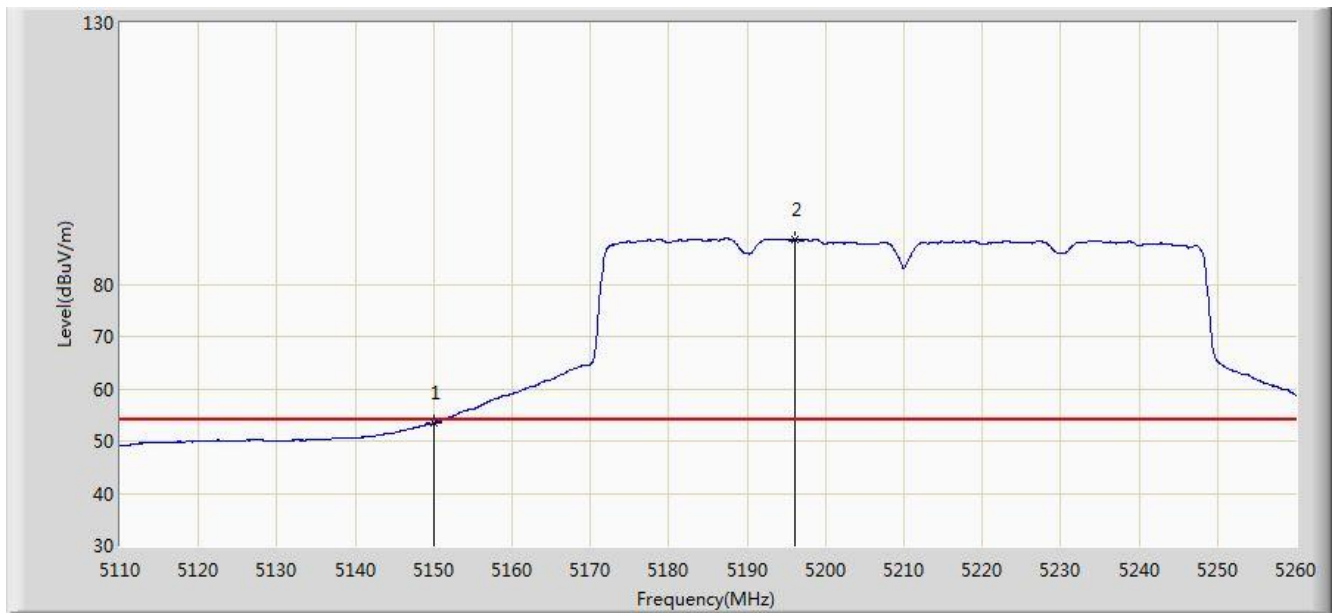
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.435	46.259	-0.565	54.000	7.176	AV
2		*	5196.025	88.516	81.560	N/A	N/A	6.956	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:43
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	
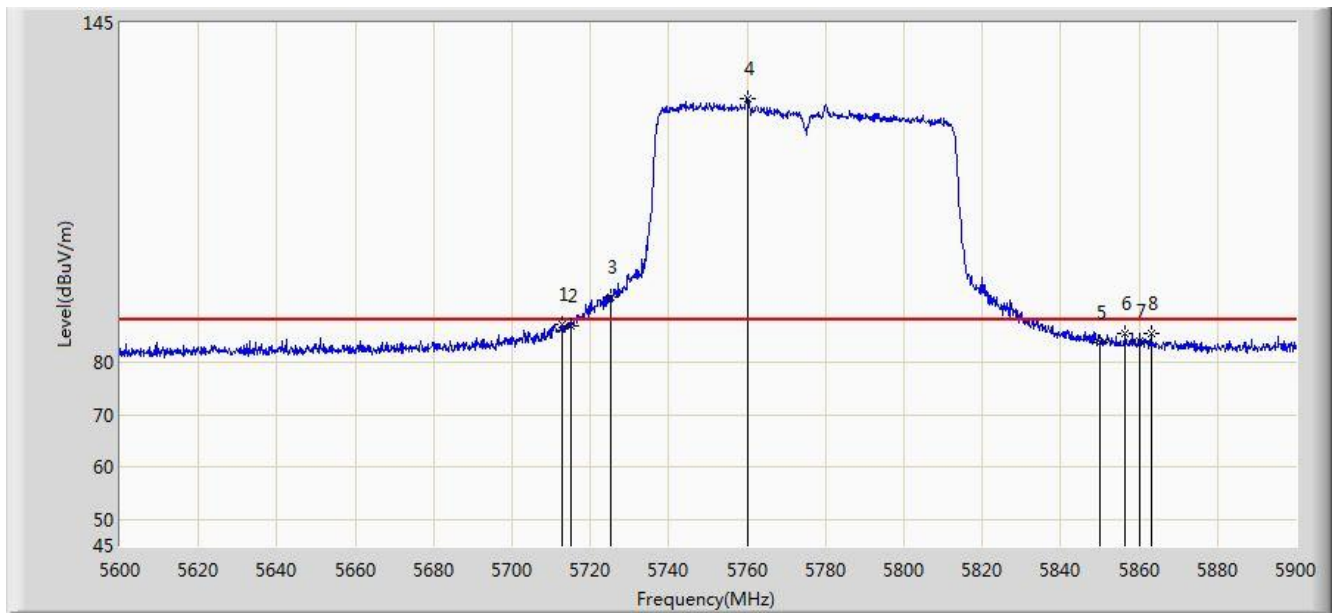
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.650	87.402	79.635	-0.798	88.200	7.767	PK
2			5715.000	86.931	79.159	-1.269	88.200	7.772	PK
3			5725.000	92.646	84.855	-5.554	98.200	7.791	PK
4		*	5760.050	130.482	122.620	N/A	N/A	7.862	PK
5			5850.000	83.761	75.627	-14.439	98.200	8.134	PK
6			5856.500	85.650	77.480	-12.550	98.200	8.170	PK
7			5860.000	84.198	76.009	-4.002	88.200	8.189	PK
8			5863.100	85.608	77.404	-2.592	88.200	8.204	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:44
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.652	59.880	-0.548	68.200	7.772	AV
2			5725.000	70.119	62.328	-8.081	78.200	7.791	AV
3		*	5744.000	108.254	100.423	N/A	N/A	7.831	AV
4			5850.000	65.943	57.809	-12.257	78.200	8.134	AV
5			5860.000	65.809	57.620	-2.391	68.200	8.189	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:44
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.250	87.474	79.706	-0.726	88.200	7.768	PK
2			5715.000	86.757	78.985	-1.443	88.200	7.772	PK
3			5725.000	90.967	83.176	-7.233	98.200	7.791	PK
4		*	5760.050	130.573	122.711	N/A	N/A	7.862	PK
5			5850.000	83.053	74.919	-25.147	98.200	8.134	PK
6			5860.000	82.718	74.529	-5.482	88.200	8.189	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:44
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.456	59.684	-0.744	68.200	7.772	AV
2			5725.000	70.509	62.718	-7.691	78.200	7.791	AV
3		*	5751.950	108.966	101.119	N/A	N/A	7.847	AV
4			5850.000	65.268	57.134	-12.932	78.200	8.134	AV
5			5860.000	65.053	56.864	-3.147	68.200	8.189	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test by Dipole Antenna – 2dBi

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
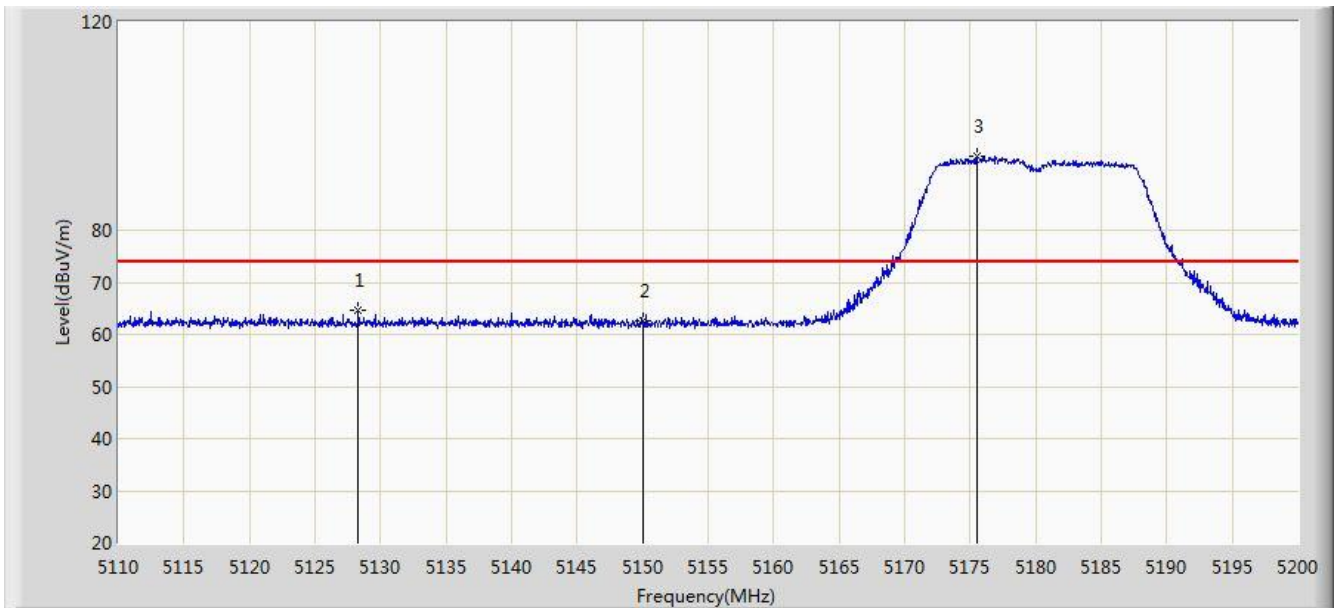
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.315	64.543	27.769	-9.457	74.000	36.774	PK
2			5150.000	62.503	25.751	-11.497	74.000	36.752	PK
3		*	5175.475	94.263	57.583	N/A	N/A	36.680	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
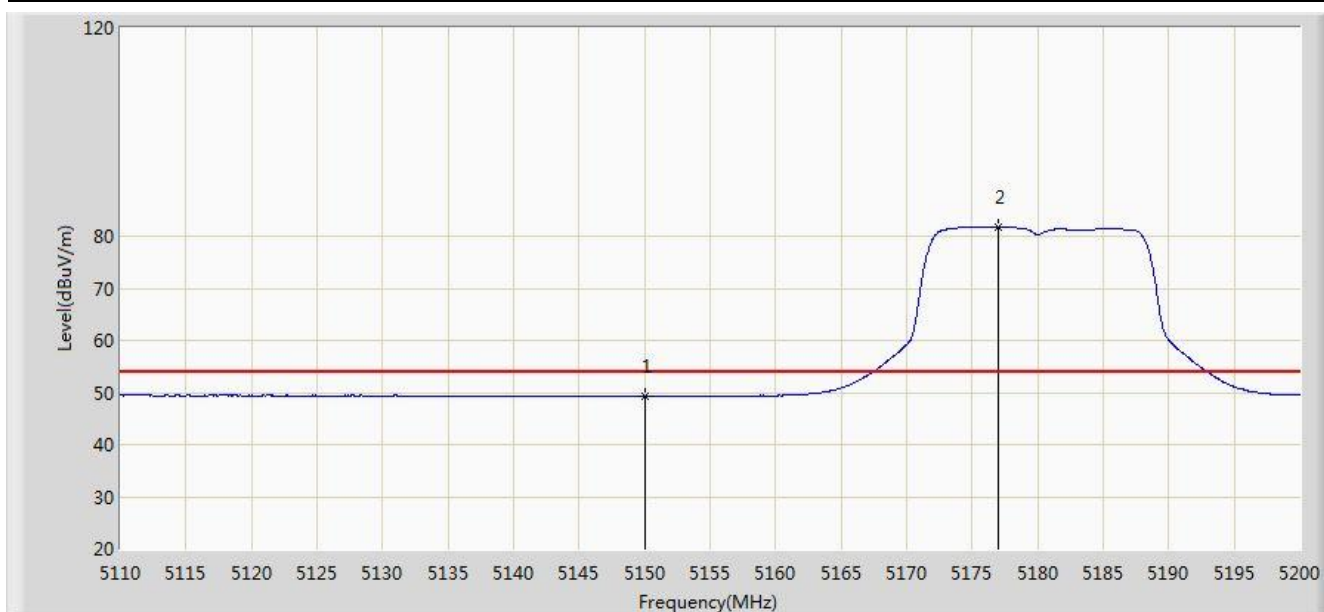
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.336	12.584	-4.664	54.000	36.752	AV
2		*	5177.005	81.685	45.010	N/A	N/A	36.675	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
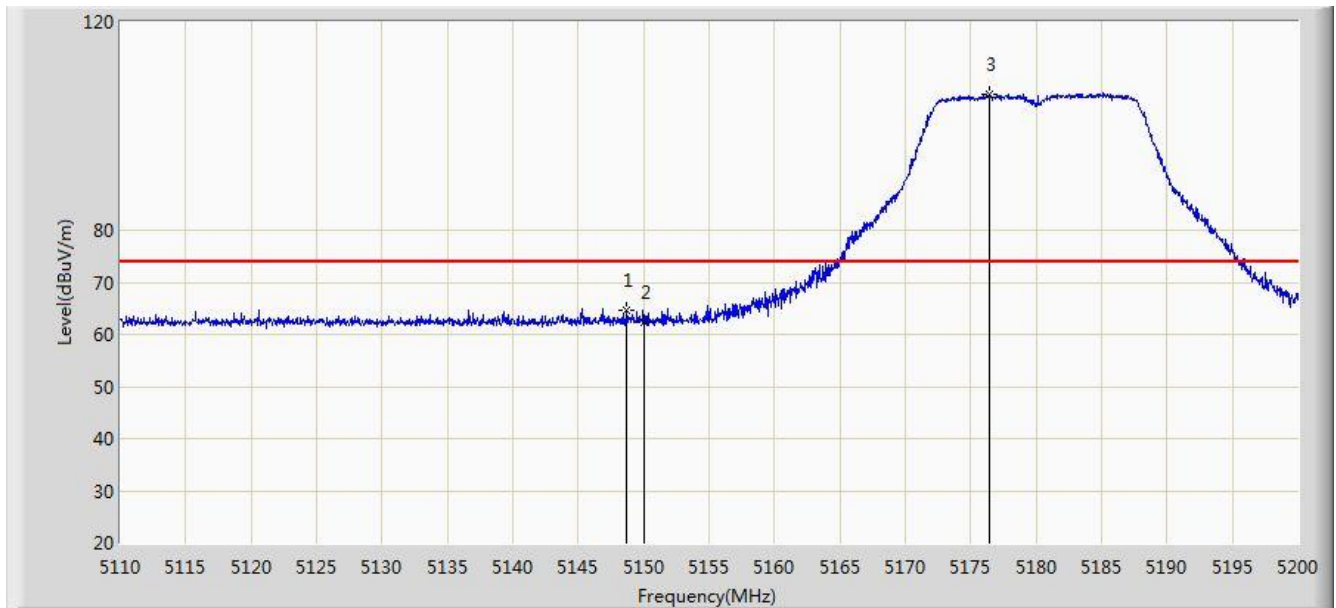
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	64.572	27.818	-9.428	74.000	36.754	PK
2			5150.000	62.438	25.686	-11.562	74.000	36.752	PK
3		*	5176.420	106.217	69.540	N/A	N/A	36.676	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	
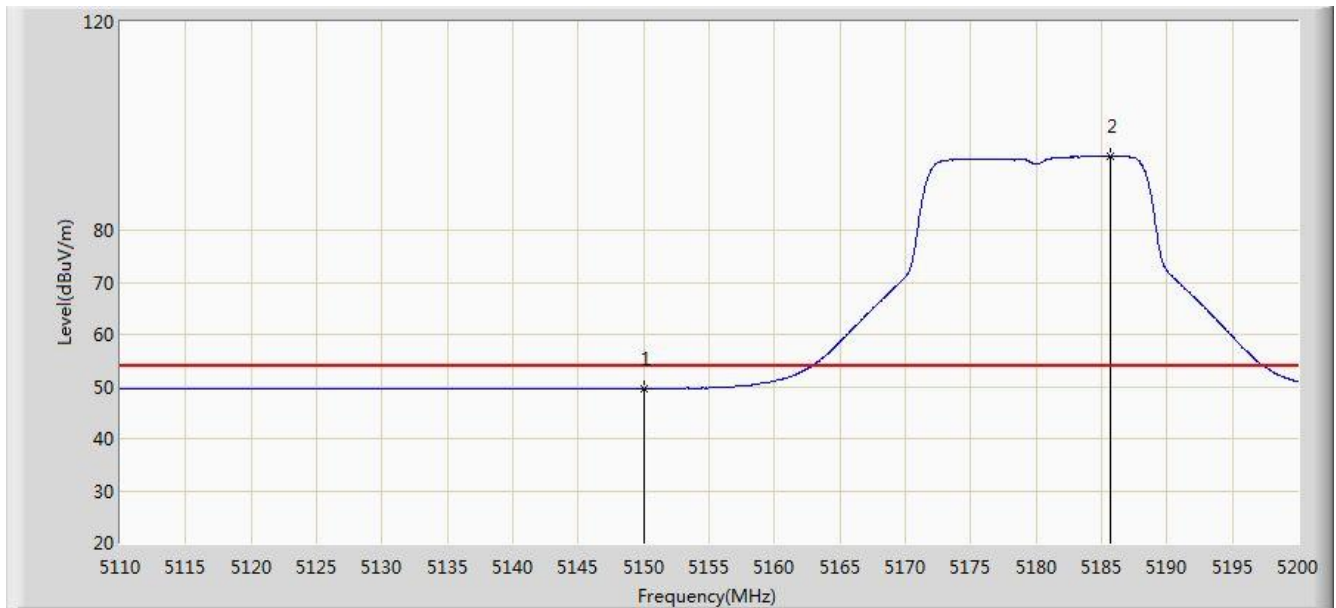
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.607	12.855	-4.393	54.000	36.752	AV
2		*	5185.690	94.232	57.583	N/A	N/A	36.649	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:13
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
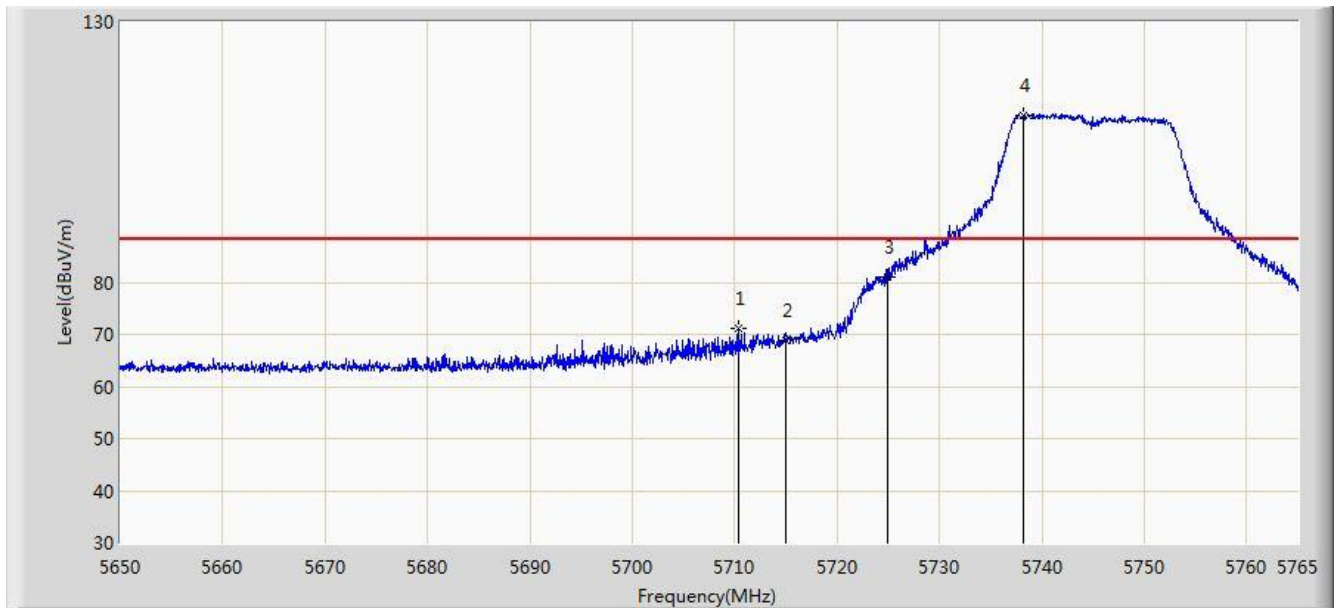
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5710.433	71.134	33.884	-17.066	88.200	37.250	PK
2			5715.000	68.808	31.541	-19.392	88.200	37.267	PK
3			5725.000	81.148	43.843	-17.052	98.200	37.305	PK
4		*	5738.205	112.164	74.805	N/A	N/A	37.359	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:15
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
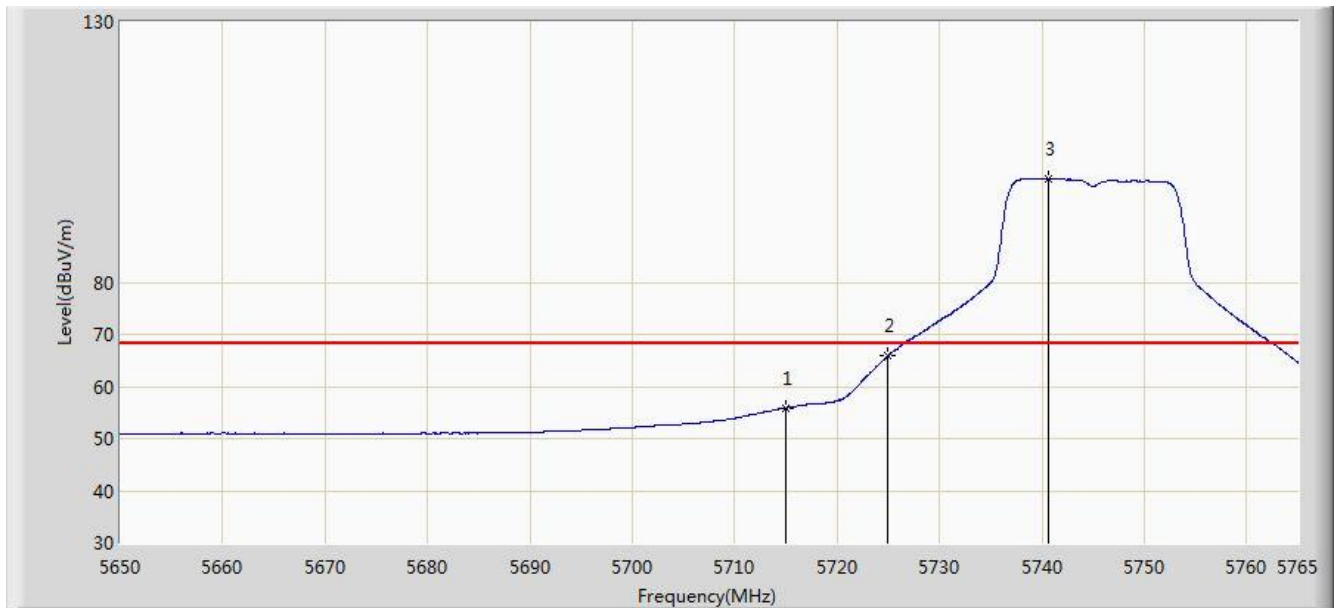
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.923	18.656	-12.277	68.200	37.267	AV
2			5725.000	65.884	28.579	-12.316	78.200	37.305	AV
3		*	5740.620	99.810	62.443	N/A	N/A	37.367	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:17
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
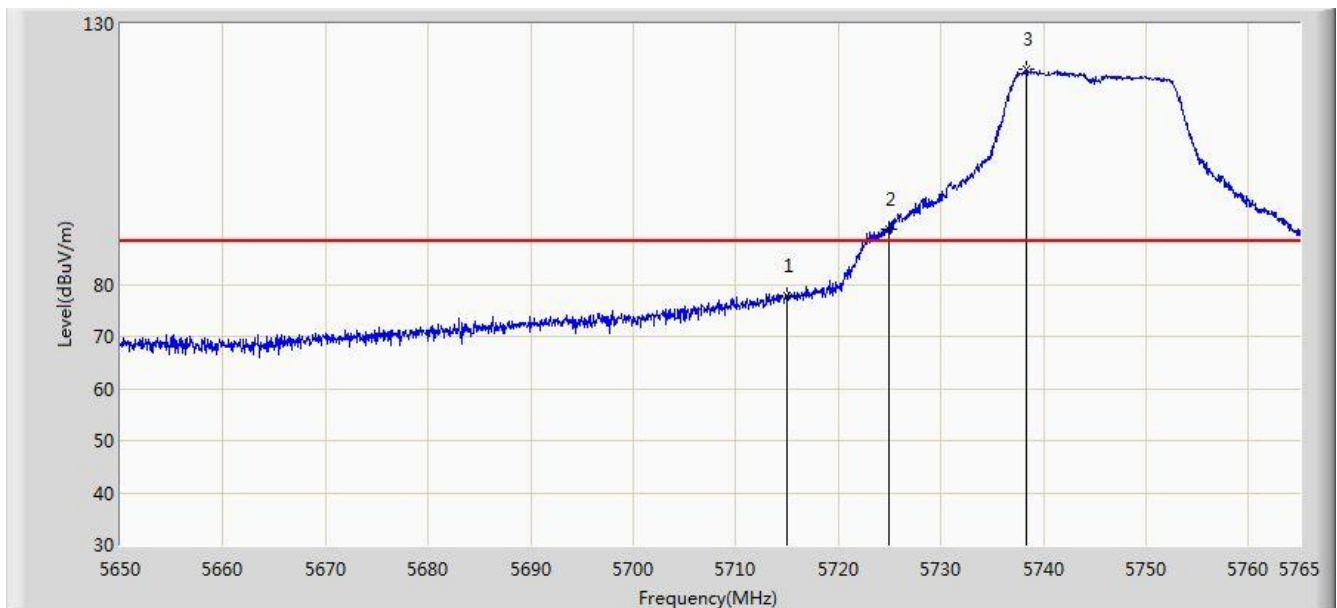
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	77.693	40.426	-10.507	88.200	37.267	PK
2			5725.000	90.666	53.361	-7.534	98.200	37.305	PK
3		*	5738.377	121.189	83.830	N/A	N/A	37.359	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	
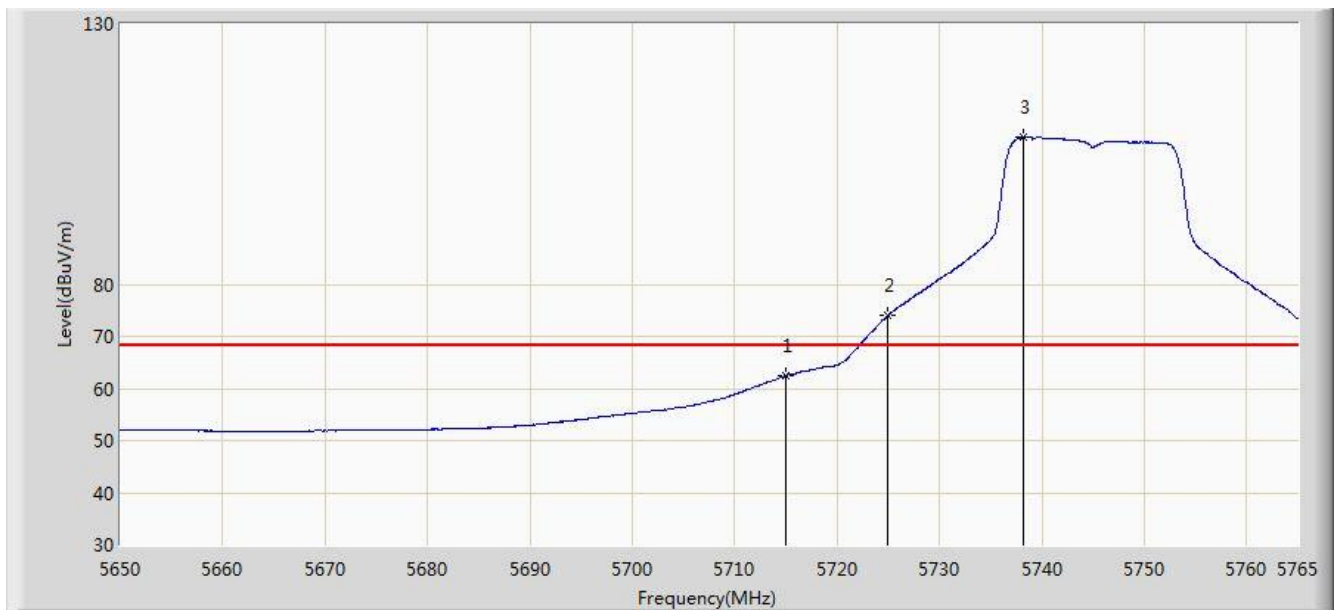
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.424	25.157	-5.776	68.200	37.267	AV
2			5725.000	74.098	36.793	-4.102	78.200	37.305	AV
3		*	5738.263	108.228	70.869	N/A	N/A	37.359	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:19
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
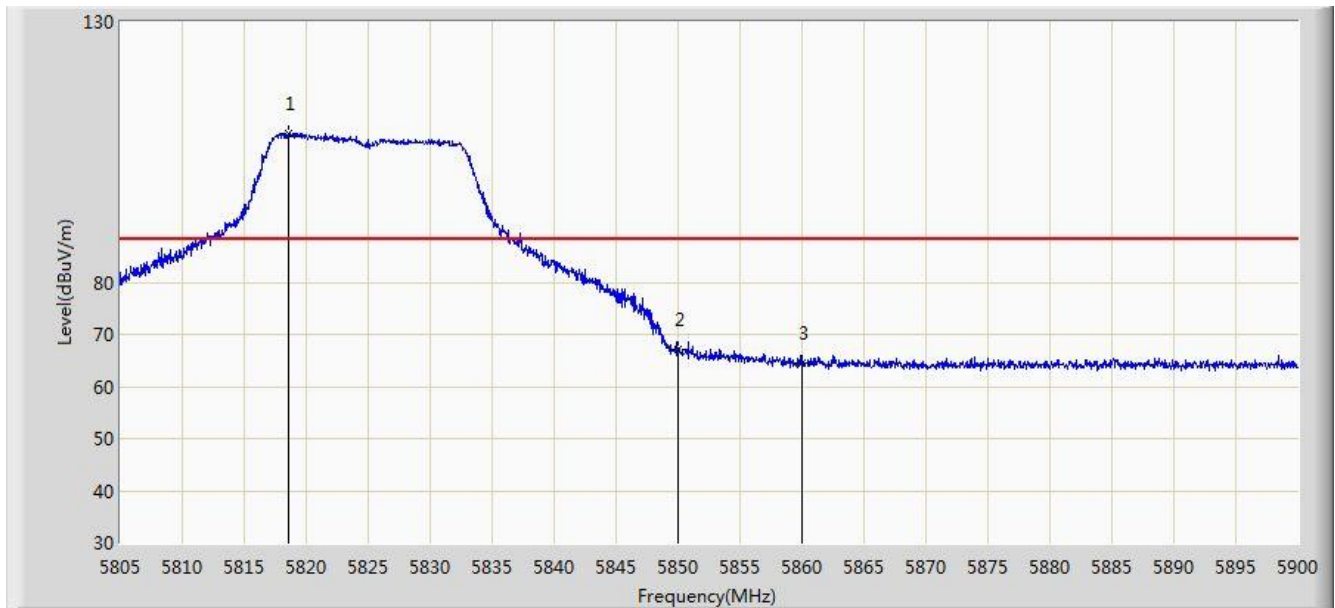
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.538	108.653	71.012	N/A	N/A	37.641	PK
2			5850.000	67.107	29.371	-31.093	98.200	37.736	PK
3			5860.000	64.607	26.833	-23.593	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
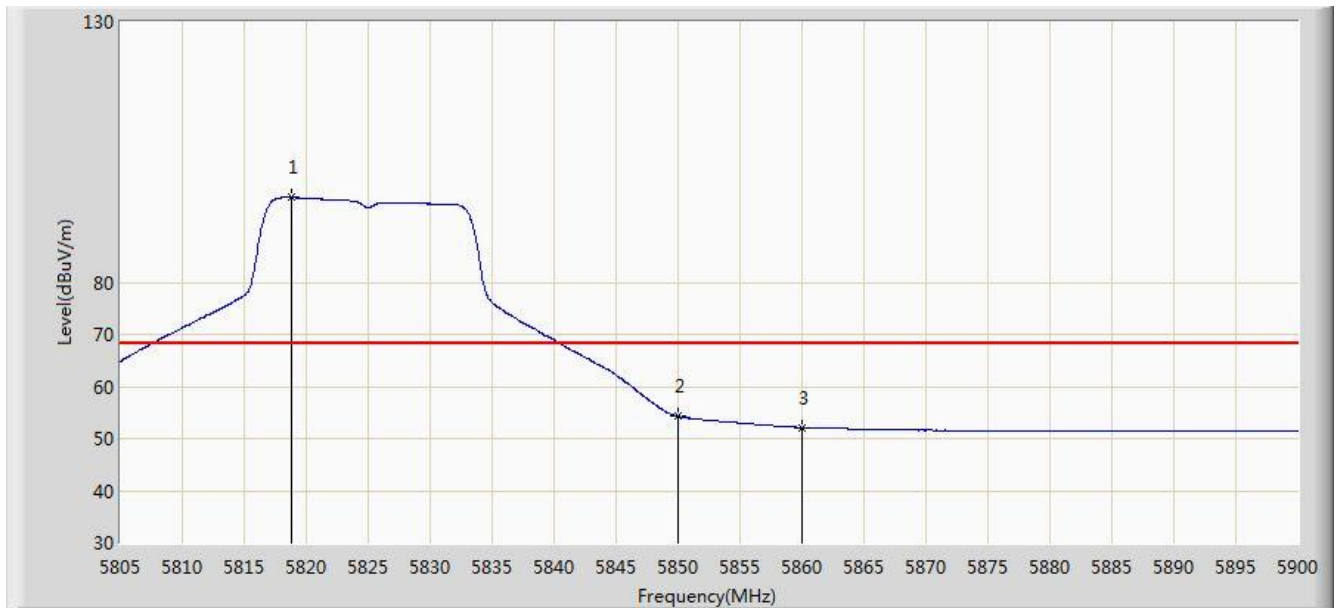
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.822	96.310	58.669	N/A	N/A	37.641	AV
2			5850.000	54.281	16.545	-23.919	78.200	37.736	AV
3			5860.000	52.119	14.345	-16.081	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:22
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
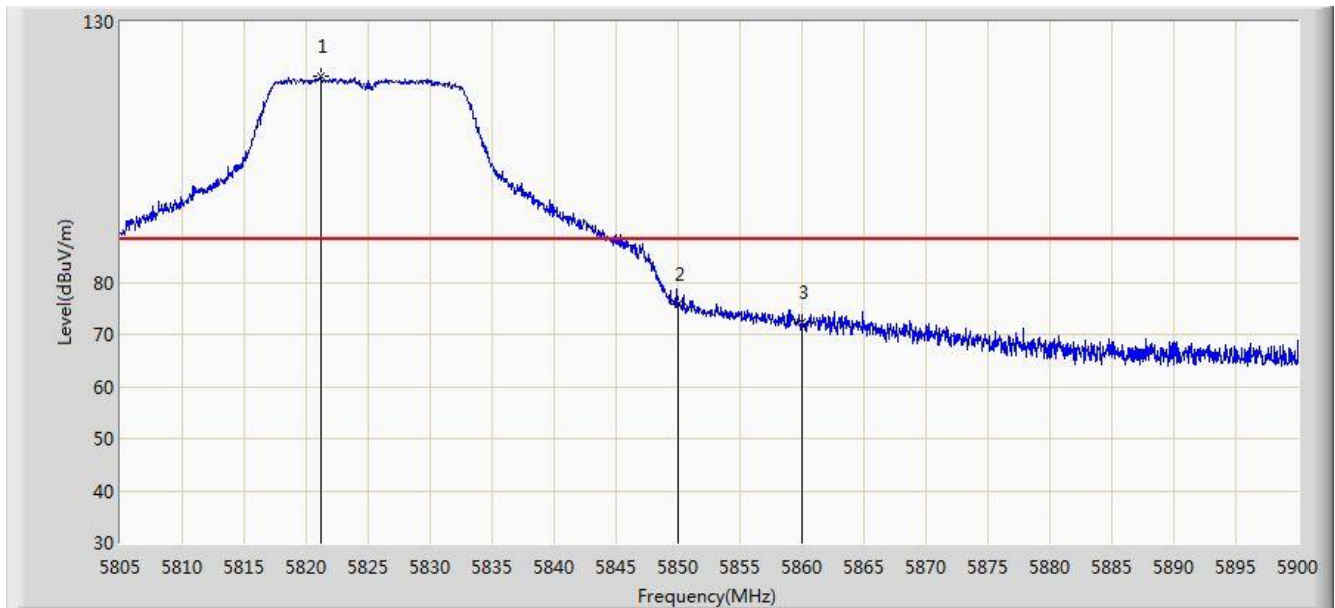
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.245	119.476	81.830	N/A	N/A	37.646	PK
2			5850.000	75.765	38.029	-22.435	98.200	37.736	PK
3			5860.000	72.216	34.442	-15.984	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

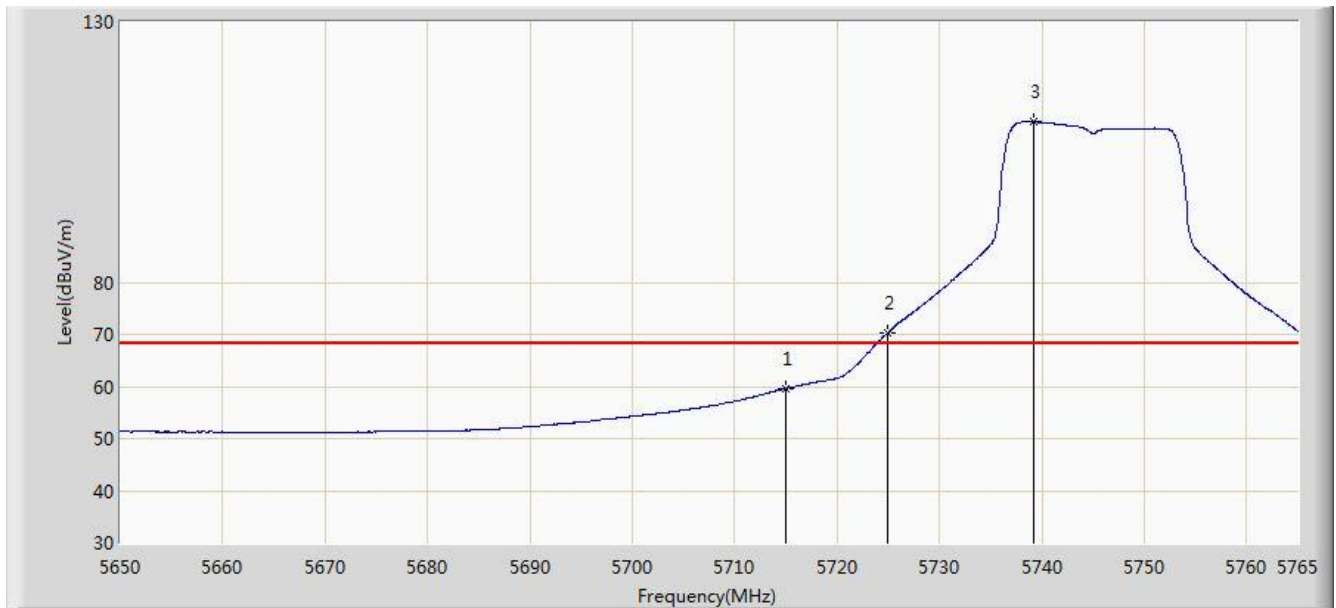| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	
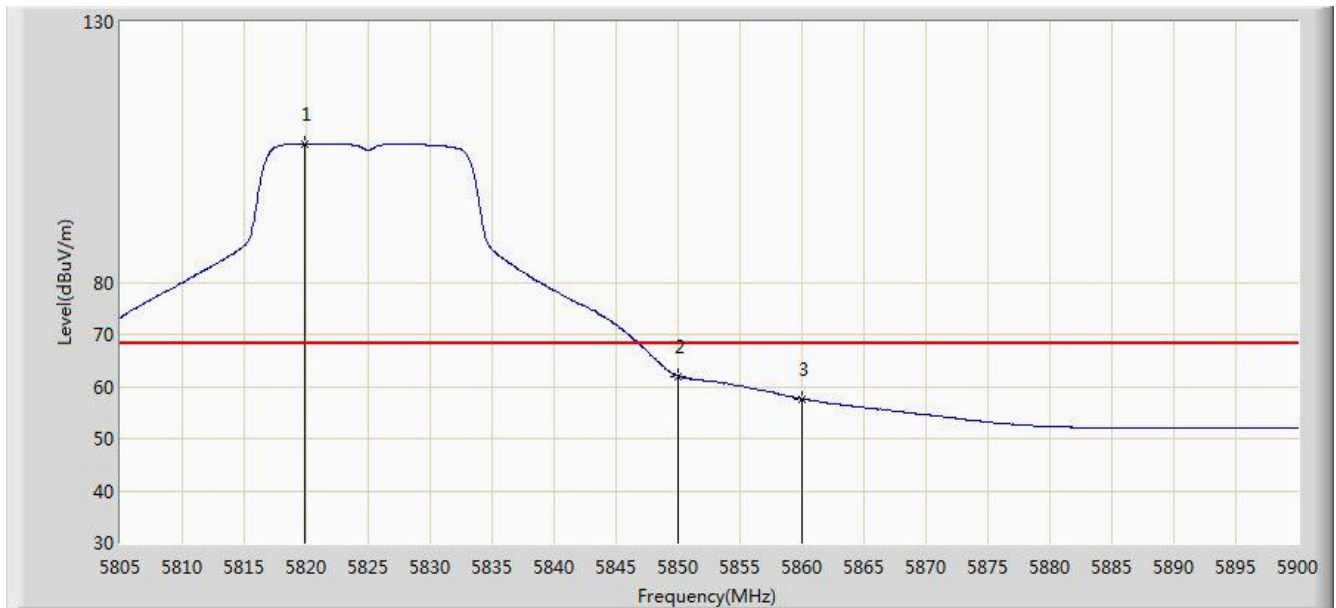
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.868	106.553	68.910	N/A	N/A	37.644	AV
2			5850.000	62.016	24.280	-16.184	78.200	37.736	AV
3			5860.000	57.584	19.810	-10.616	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

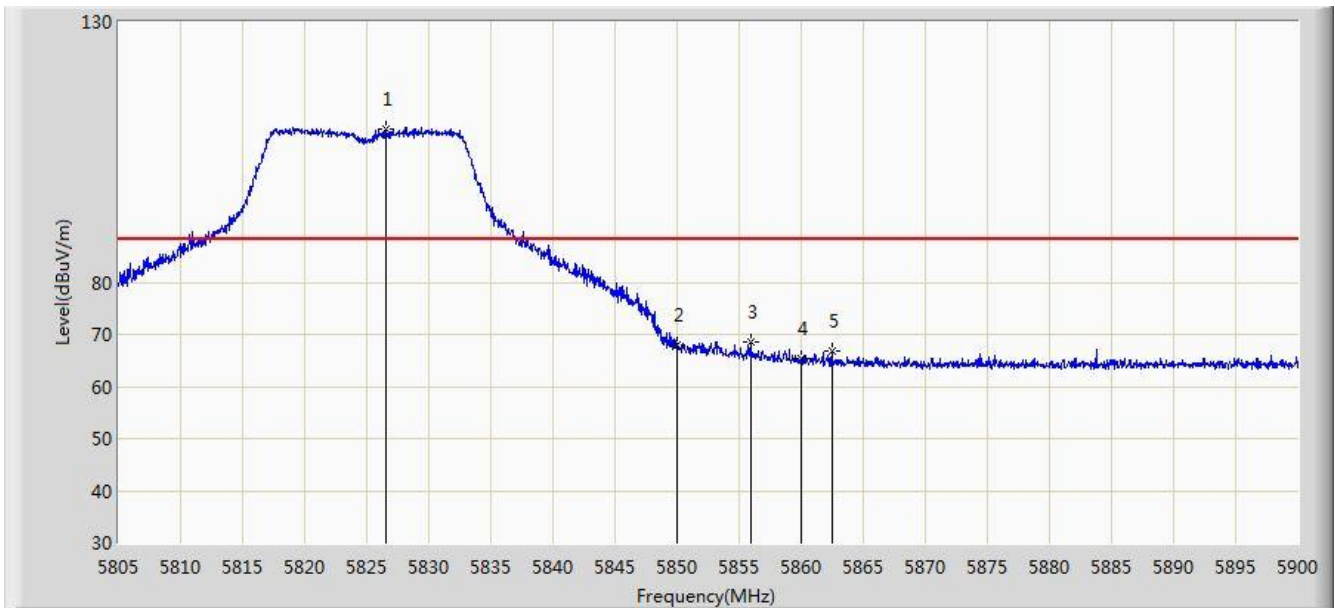| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
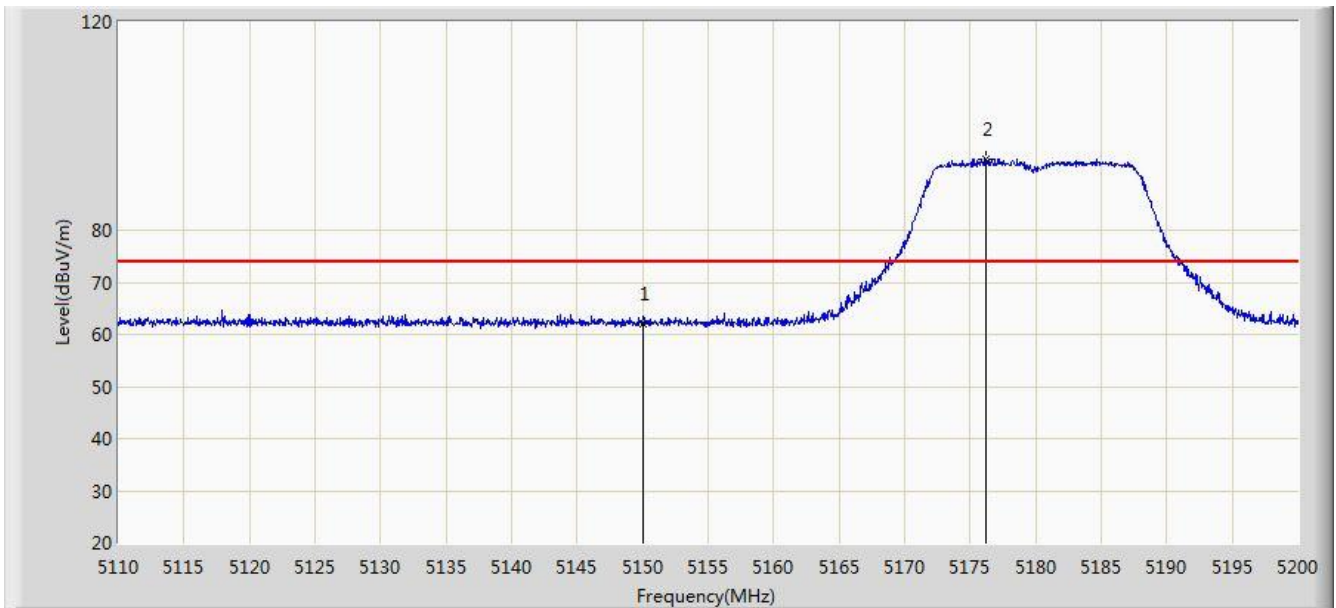
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.082	25.330	-11.918	74.000	36.752	PK
2		*	5176.150	93.765	57.087	N/A	N/A	36.677	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

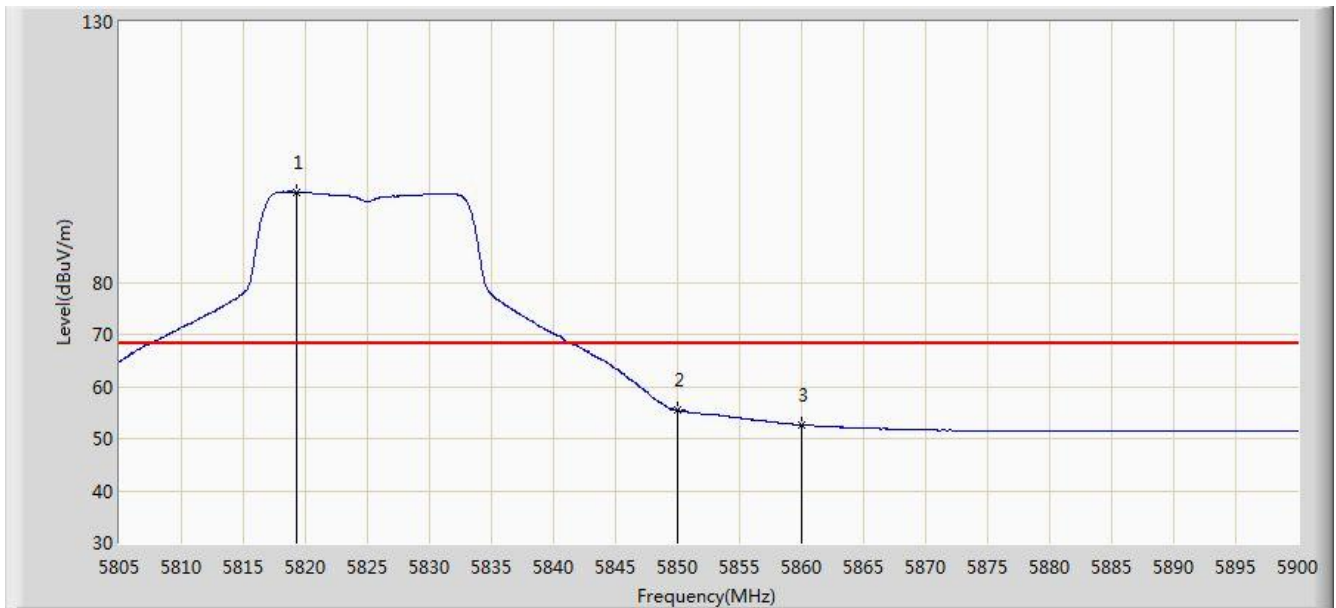| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
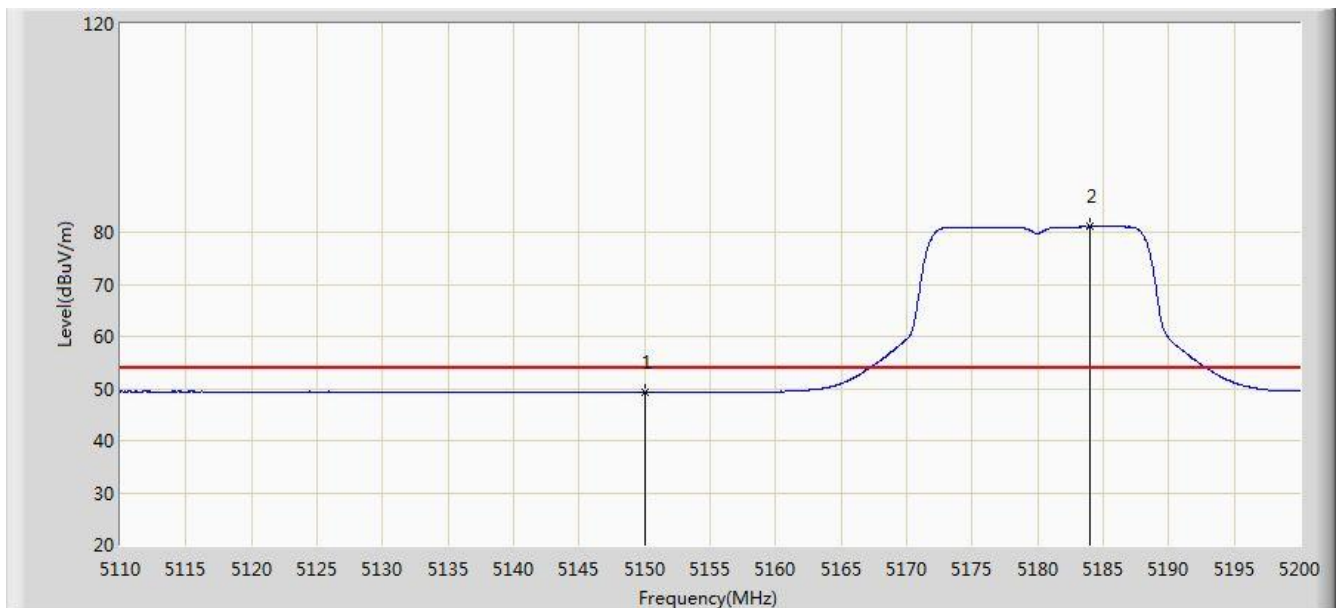
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.277	12.525	-4.723	54.000	36.752	AV
2		*	5183.980	81.031	44.377	N/A	N/A	36.653	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

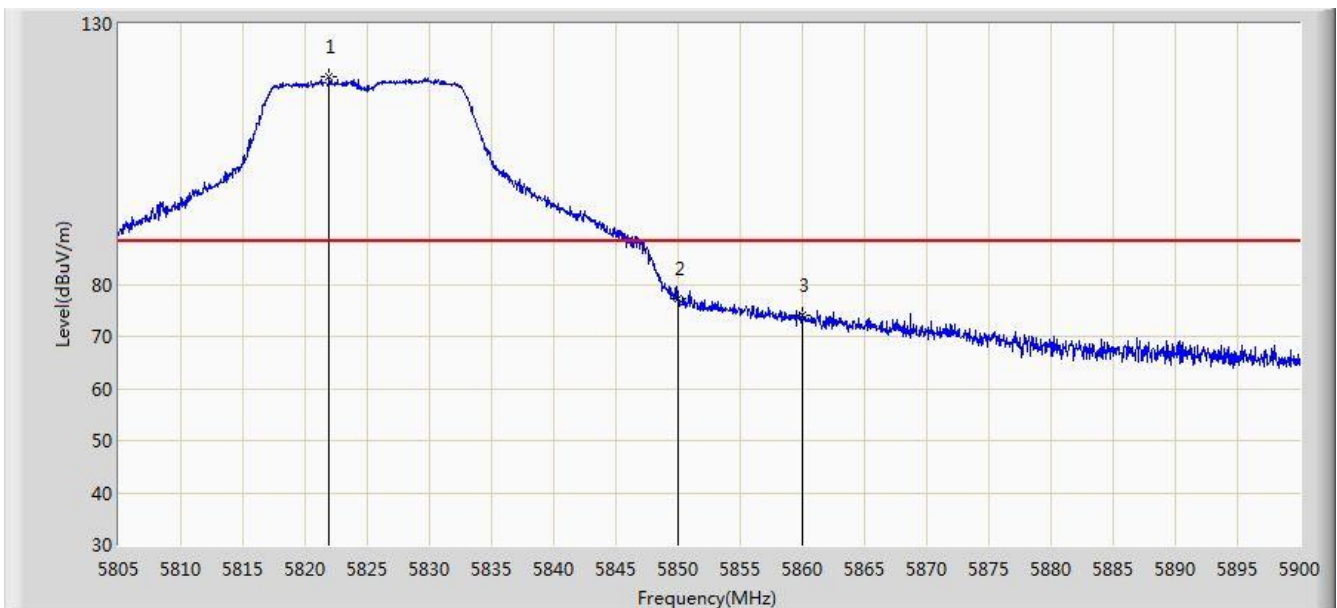| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
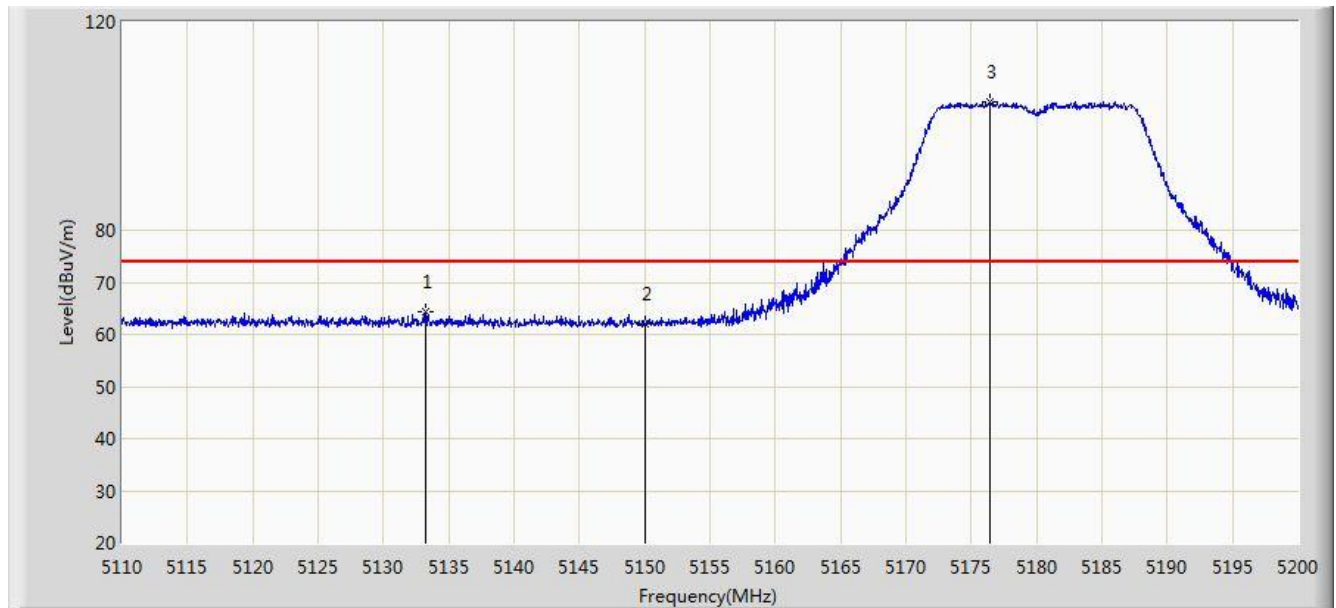
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.220	64.364	27.590	-9.636	74.000	36.774	PK
2			5150.000	61.902	25.150	-12.098	74.000	36.752	PK
3		*	5176.420	104.708	68.031	N/A	N/A	36.676	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	
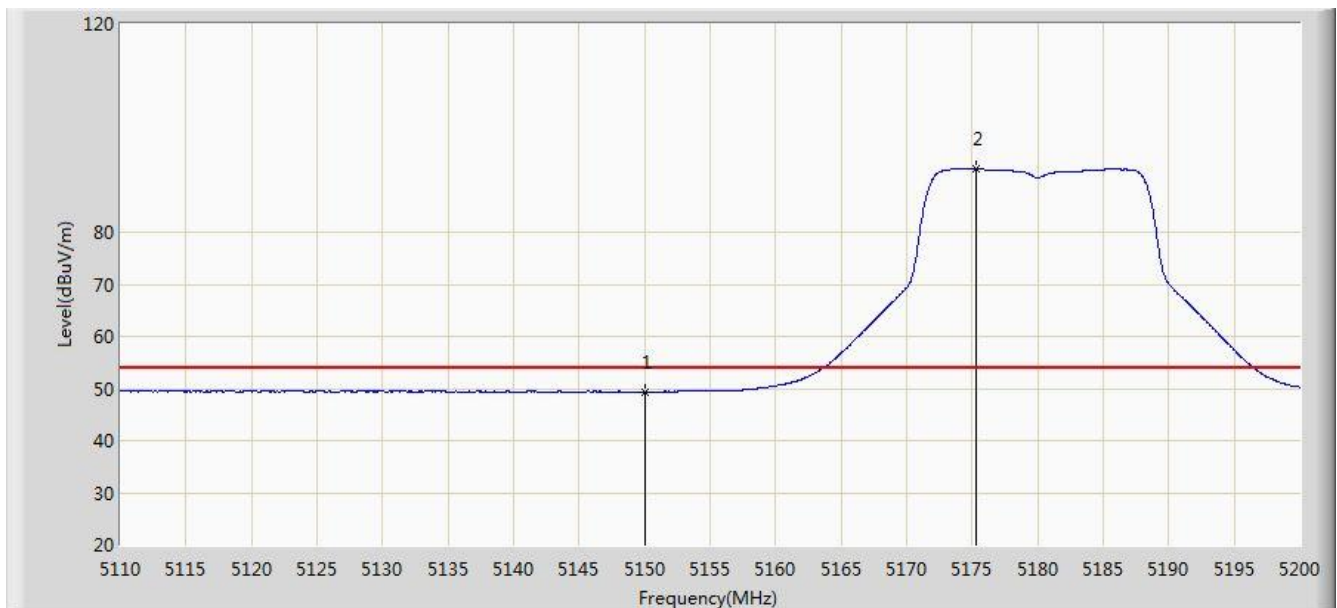
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.400	12.648	-4.600	54.000	36.752	AV
2		*	5175.340	92.074	55.394	N/A	N/A	36.680	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:31
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
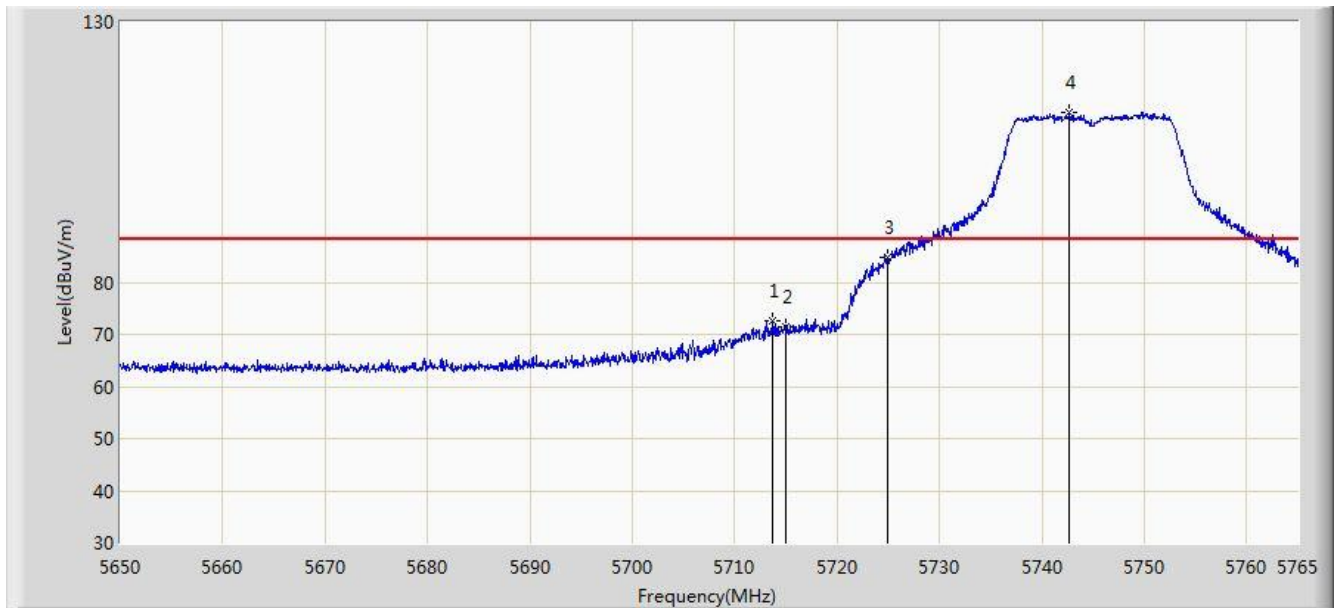
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.768	72.610	35.348	-15.590	88.200	37.262	PK
2			5715.000	71.360	34.093	-16.840	88.200	37.267	PK
3			5725.000	84.643	47.338	-13.557	98.200	37.305	PK
4		*	5742.690	112.492	75.117	N/A	N/A	37.375	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
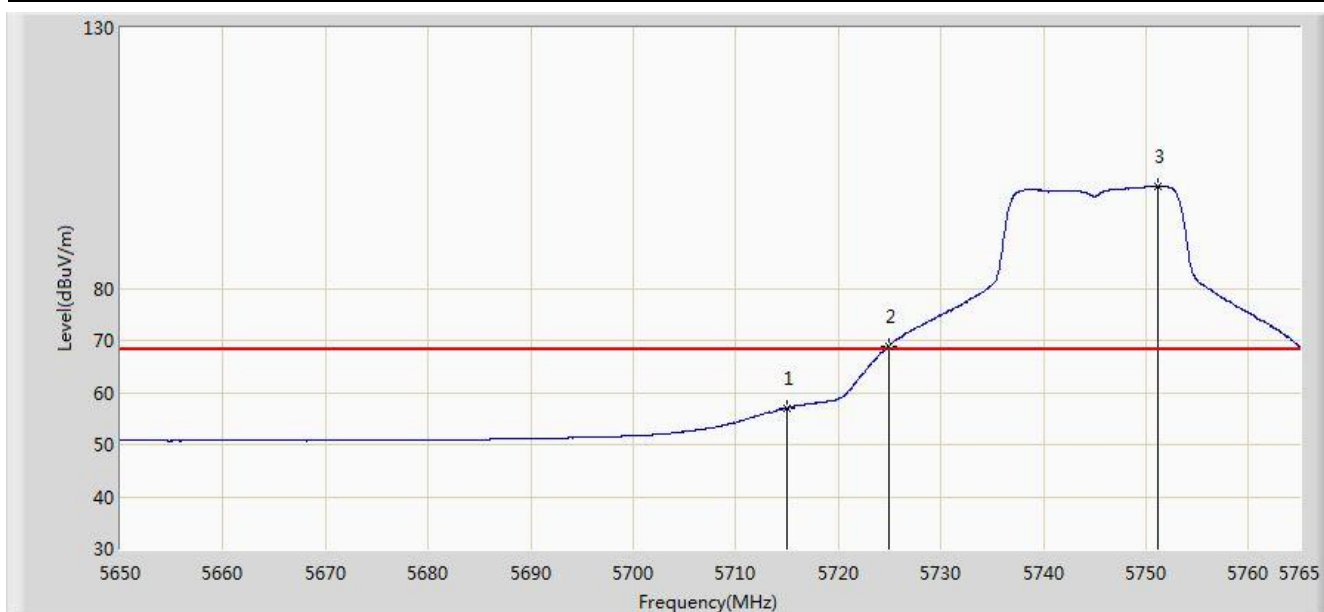
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.004	19.737	-11.196	68.200	37.267	AV
2			5725.000	68.973	31.668	-9.227	78.200	37.305	AV
3		*	5751.143	99.517	62.108	N/A	N/A	37.409	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:34
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	
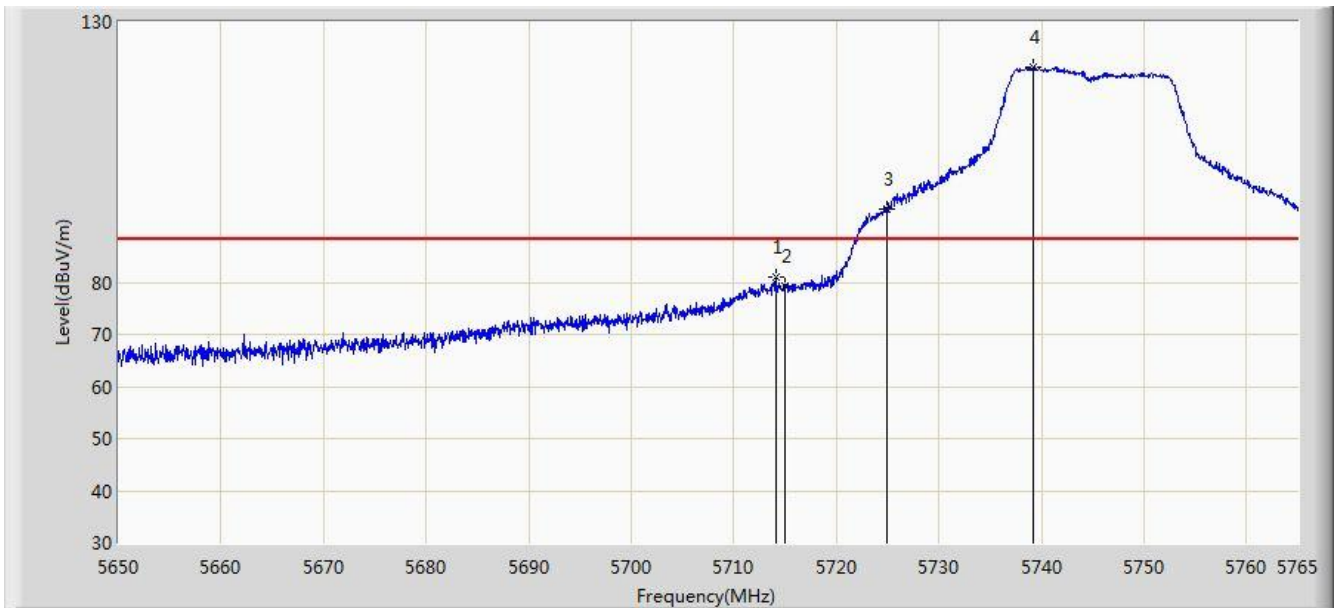
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.170	80.911	43.647	-7.289	88.200	37.264	PK
2			5715.000	79.316	42.049	-8.884	88.200	37.267	PK
3			5725.000	94.052	56.747	-4.148	98.200	37.305	PK
4		*	5739.183	121.347	83.985	N/A	N/A	37.362	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

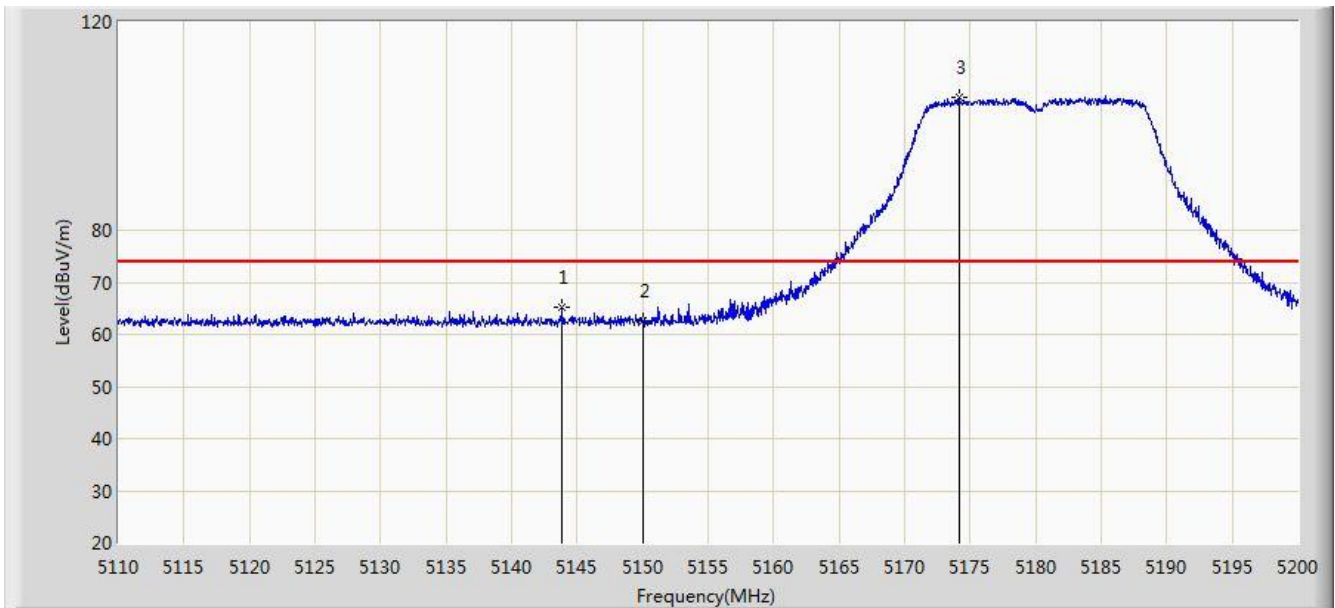| No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	59.649	22.382	-8.551	68.200	37.267	AV
2			5725.000	70.299	32.994	-7.901	78.200	37.305	AV
3		*	5739.183	110.811	73.449	N/A	N/A	37.362	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:38
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.518	109.407	71.751	N/A	N/A	37.656	PK
2			5850.000	68.068	30.332	-30.132	98.200	37.736	PK
3			5855.920	68.590	30.832	-29.610	98.200	37.758	PK
4			5860.000	65.448	27.674	-22.752	88.200	37.774	PK
5			5862.475	66.905	29.122	-21.295	88.200	37.782	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:41
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	97.316	59.674	N/A	N/A	37.643	AV
2			5850.000	55.389	17.653	-22.811	78.200	37.736	AV
3			5860.000	52.635	14.861	-15.565	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:41
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.958	119.744	82.097	N/A	N/A	37.648	PK
2			5850.000	77.202	39.466	-20.998	98.200	37.736	PK
3			5860.000	74.167	36.393	-14.033	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:43
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	
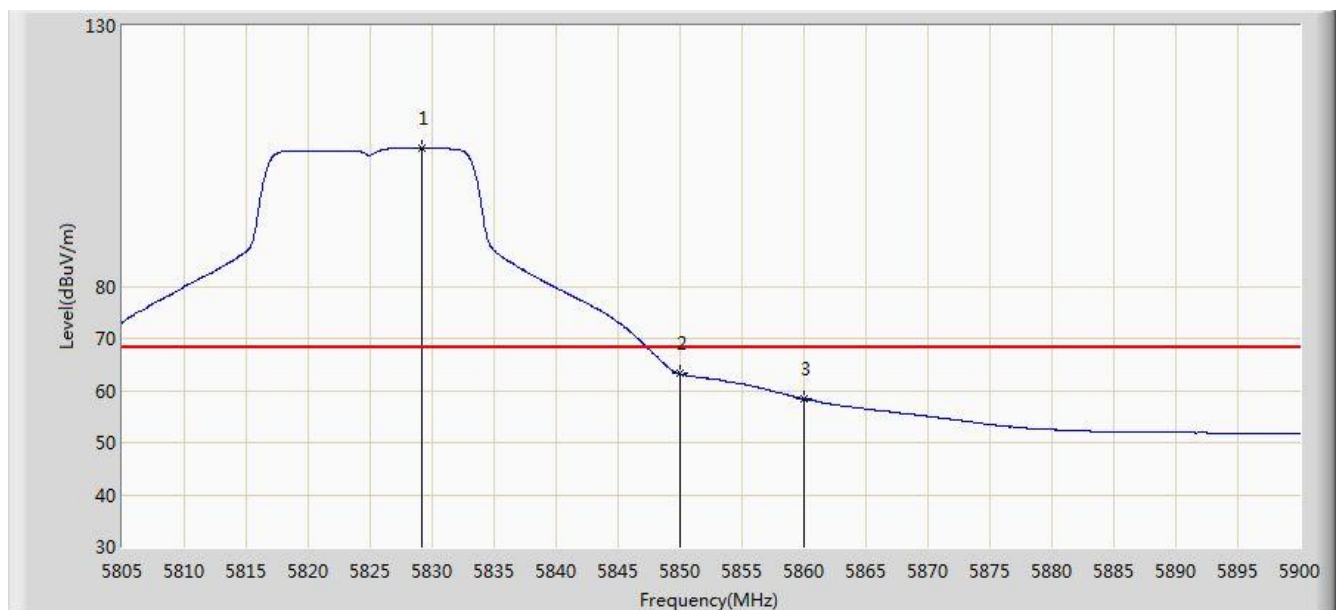
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.178	106.565	68.902	N/A	N/A	37.663	AV
2			5850.000	63.202	25.466	-14.998	78.200	37.736	AV
3			5860.000	58.467	20.693	-9.733	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
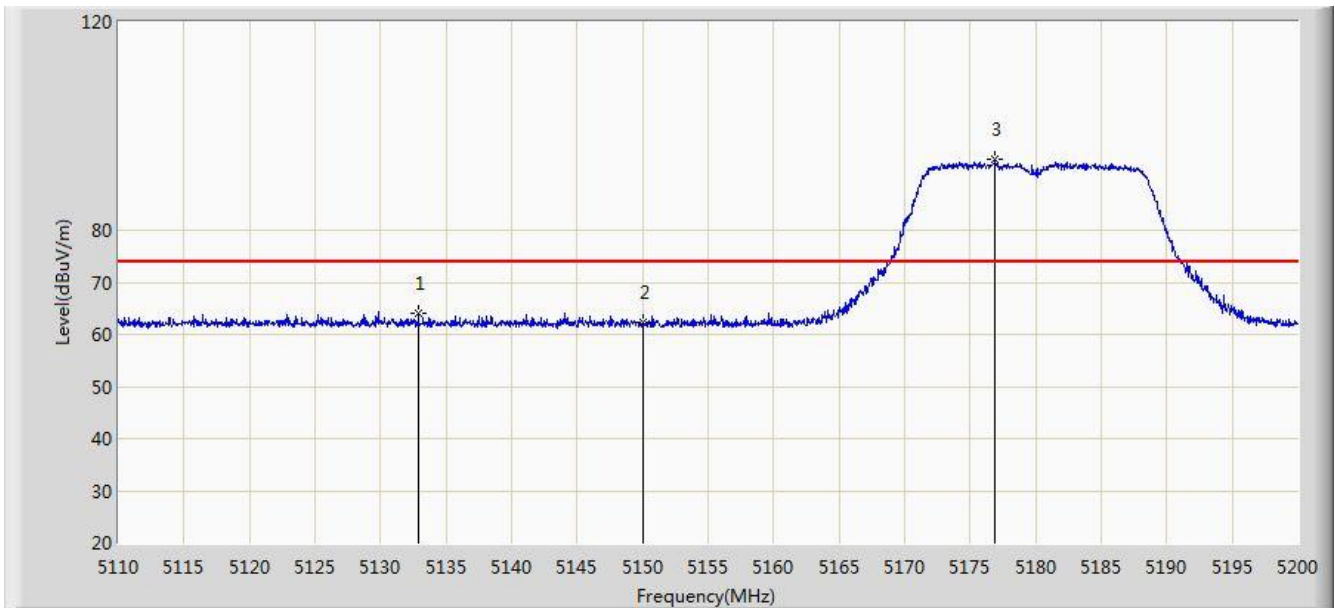
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.905	64.028	27.254	-9.972	74.000	36.774	PK
2			5150.000	62.174	25.422	-11.826	74.000	36.752	PK
3		*	5176.915	93.545	56.870	N/A	N/A	36.676	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
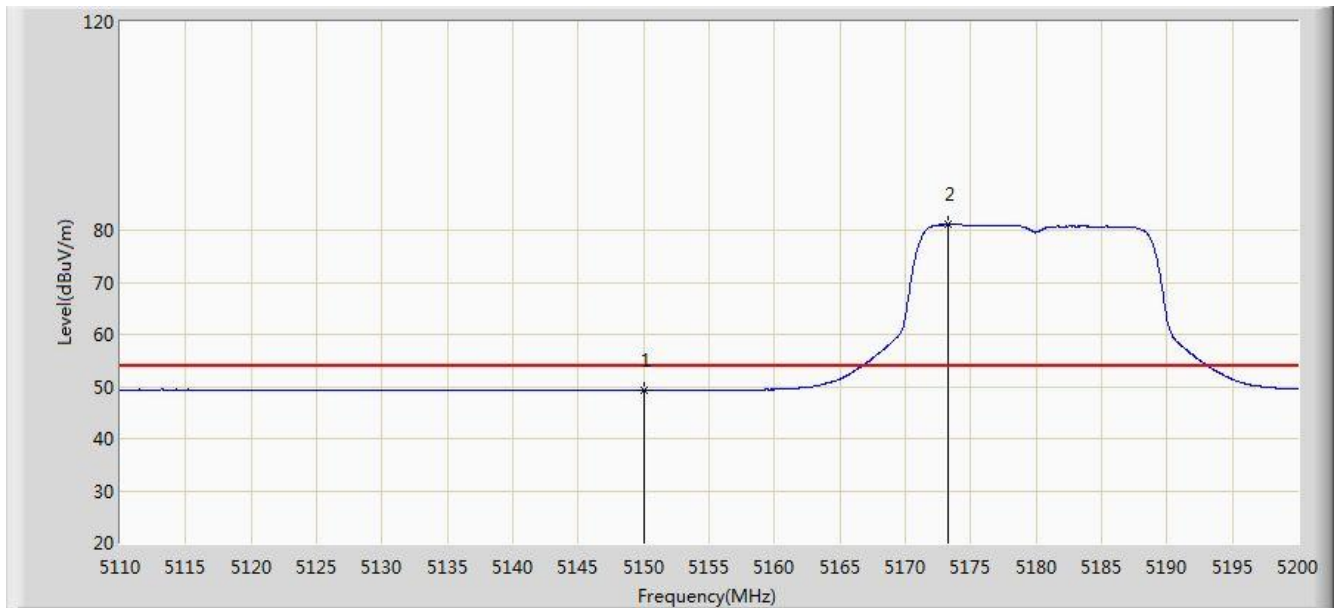
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.323	12.571	-4.677	54.000	36.752	AV
2		*	5173.225	81.052	44.365	N/A	N/A	36.686	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.840	65.077	28.316	-8.923	74.000	36.761	PK
2			5150.000	62.559	25.807	-11.441	74.000	36.752	PK
3		*	5174.215	105.385	68.701	N/A	N/A	36.684	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	
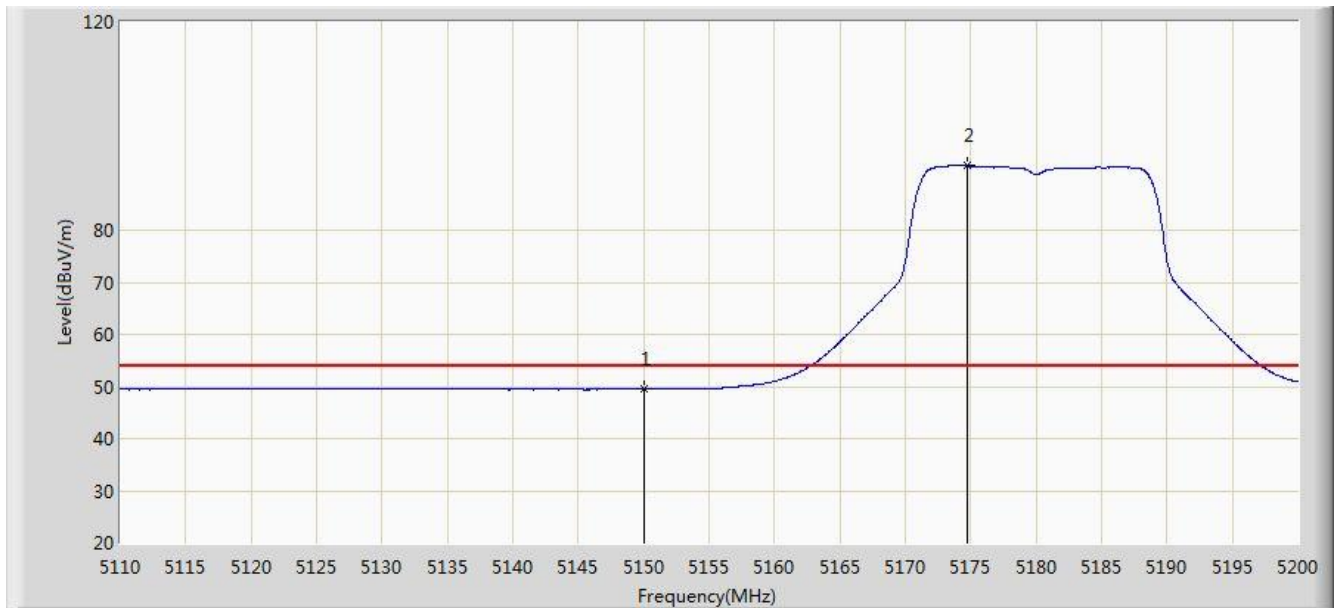
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.486	12.734	-4.514	54.000	36.752	AV
2		*	5174.755	92.328	55.646	N/A	N/A	36.682	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:50
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	
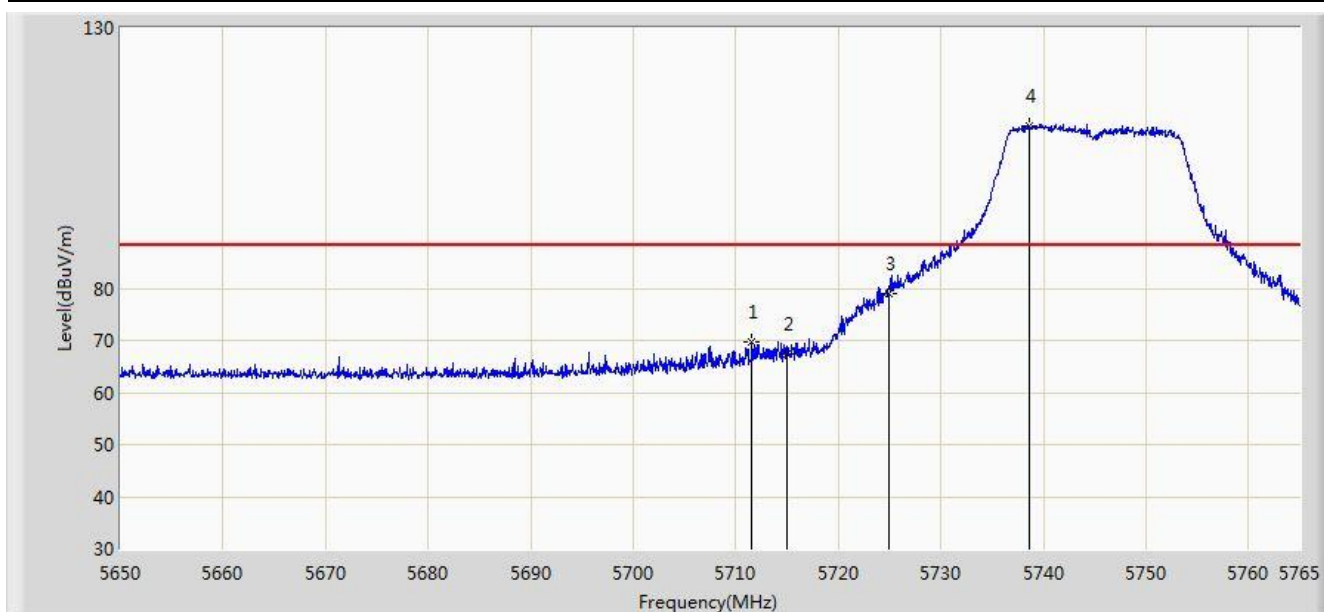
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5711.583	69.778	32.524	-18.422	88.200	37.254	PK
2			5715.000	67.386	30.119	-20.814	88.200	37.267	PK
3			5725.000	78.902	41.597	-19.298	98.200	37.305	PK
4		*	5738.665	111.208	73.848	N/A	N/A	37.360	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:52
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	
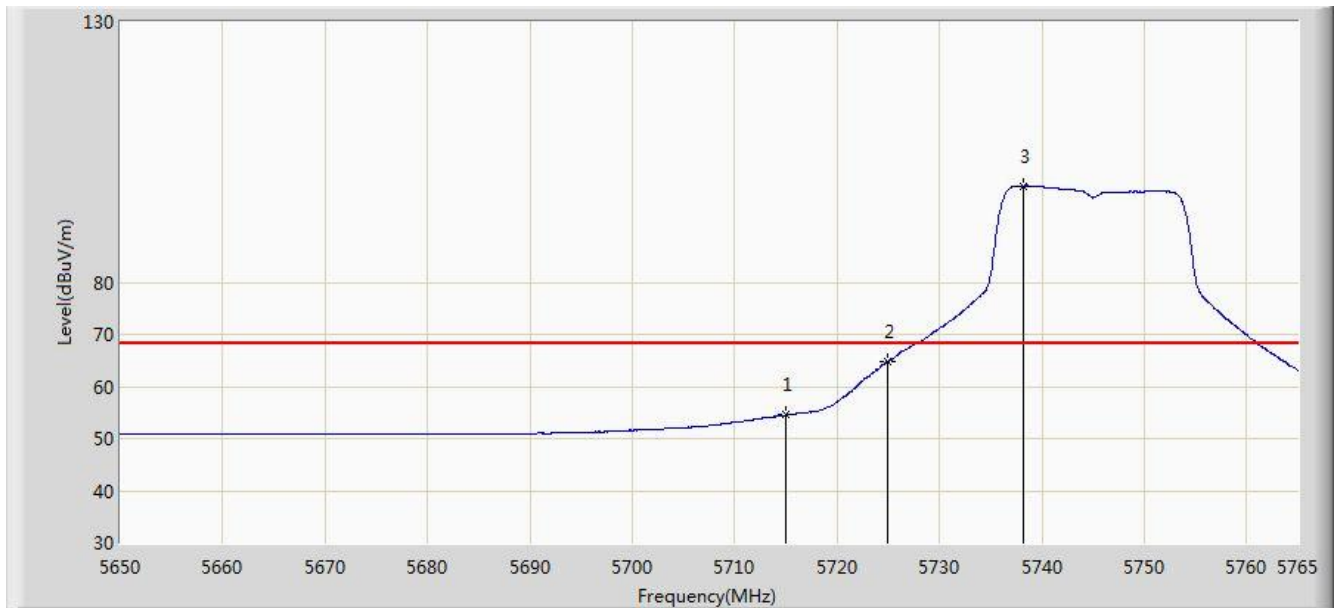
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	54.506	17.239	-13.694	68.200	37.267	AV
2			5725.000	64.755	27.450	-13.445	78.200	37.305	AV
3		*	5738.263	98.499	61.140	N/A	N/A	37.359	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:53
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	
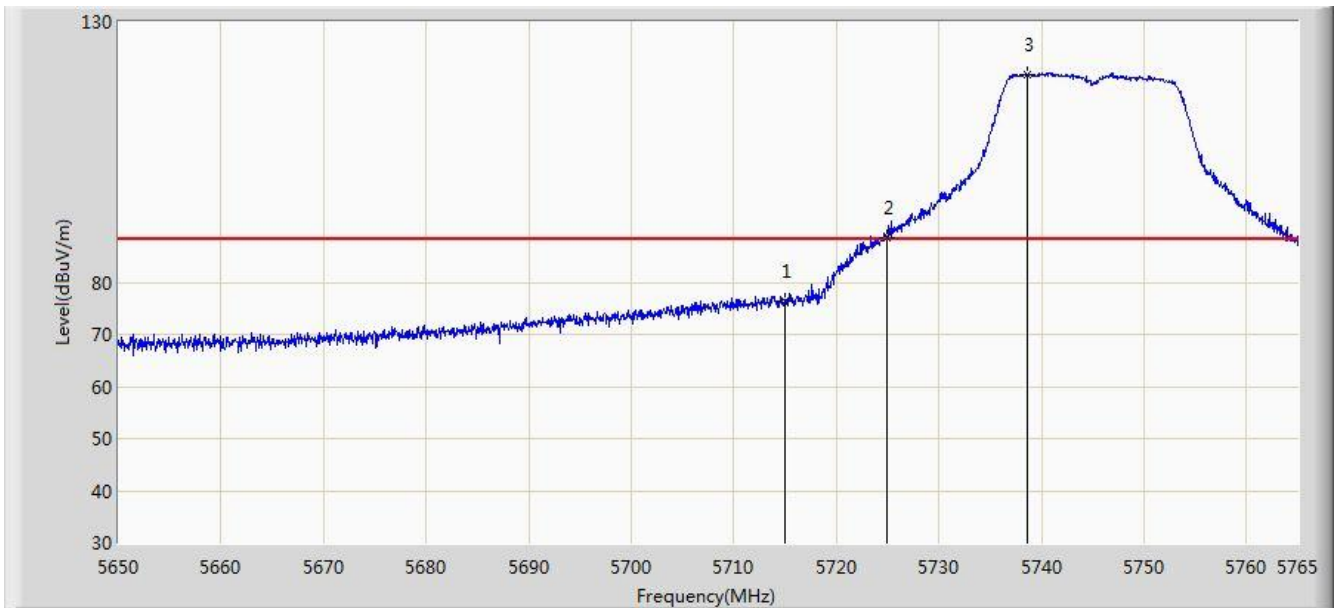
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	76.438	39.171	-11.762	88.200	37.267	PK
2			5725.000	88.674	51.369	-9.526	98.200	37.305	PK
3		*	5738.607	119.918	82.558	N/A	N/A	37.360	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	
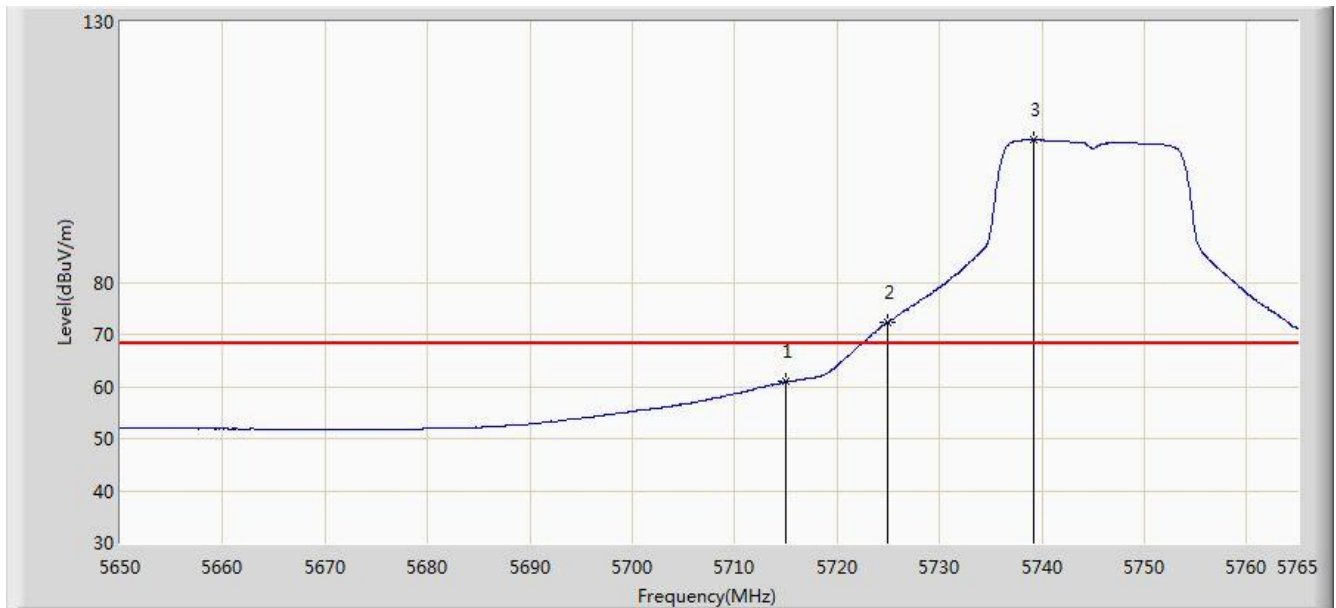
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.931	23.664	-7.269	68.200	37.267	AV
2			5725.000	72.305	35.000	-5.895	78.200	37.305	AV
3		*	5739.183	107.296	69.934	N/A	N/A	37.362	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:56
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
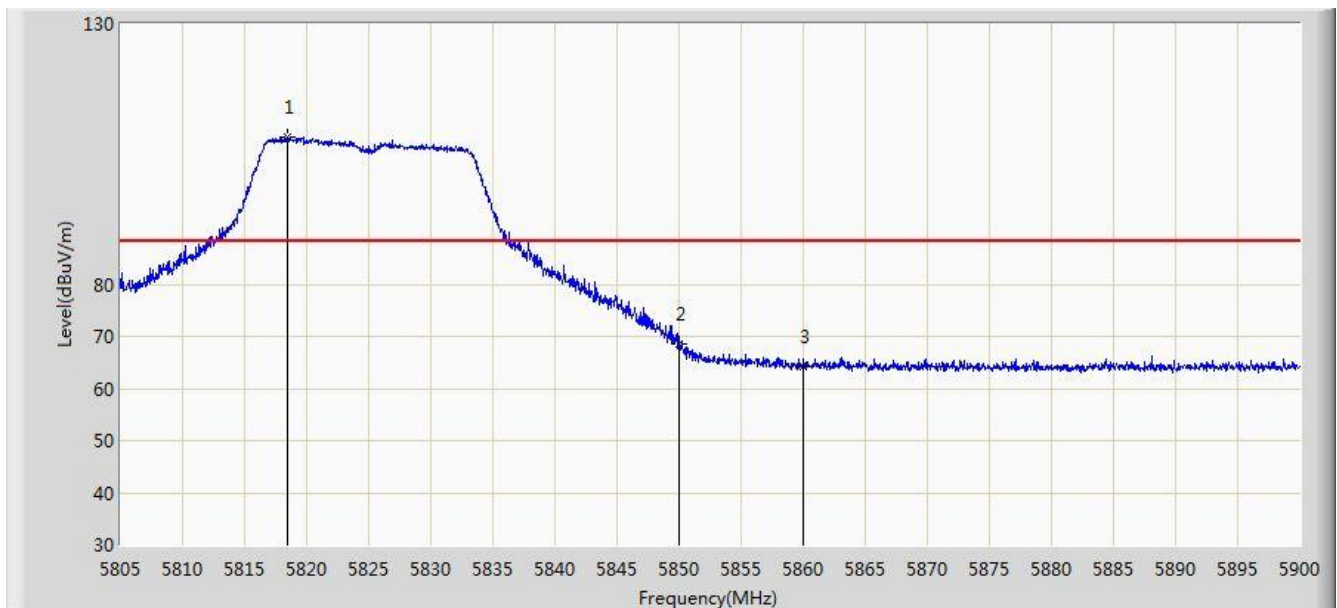
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.395	108.170	70.529	N/A	N/A	37.641	PK
2			5850.000	68.536	30.800	-29.664	98.200	37.736	PK
3			5860.000	64.071	26.297	-24.129	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:57
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
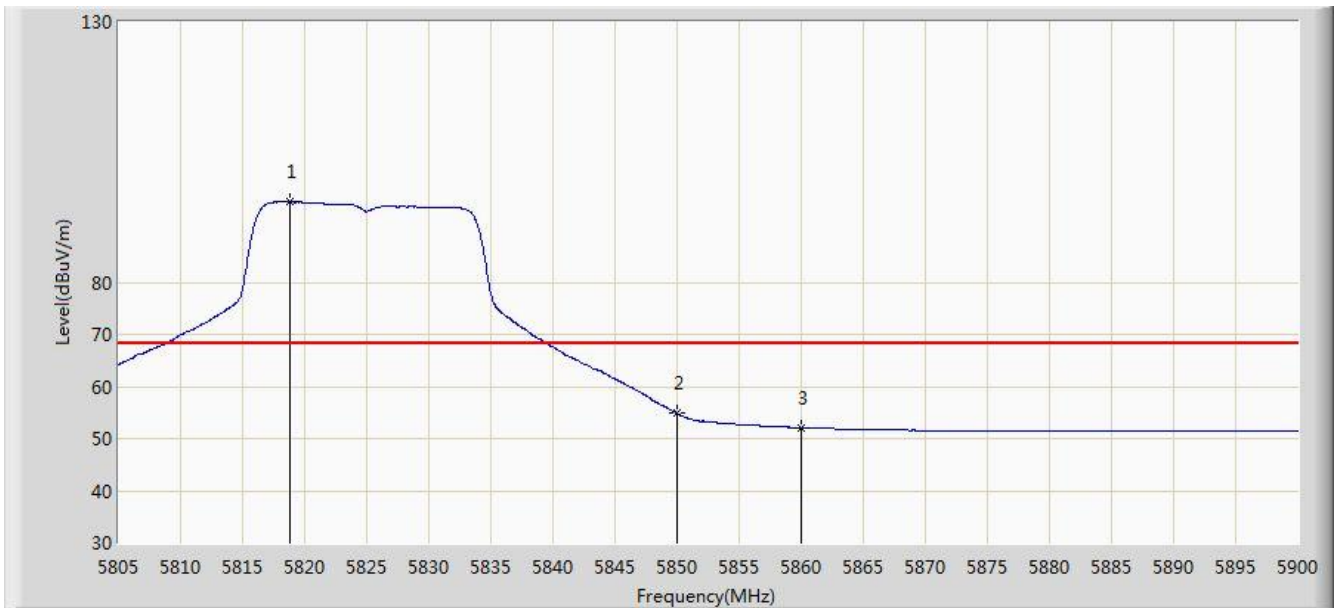
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.822	95.435	57.794	N/A	N/A	37.641	AV
2			5850.000	54.823	17.087	-23.377	78.200	37.736	AV
3			5860.000	52.067	14.293	-16.133	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 20:58
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
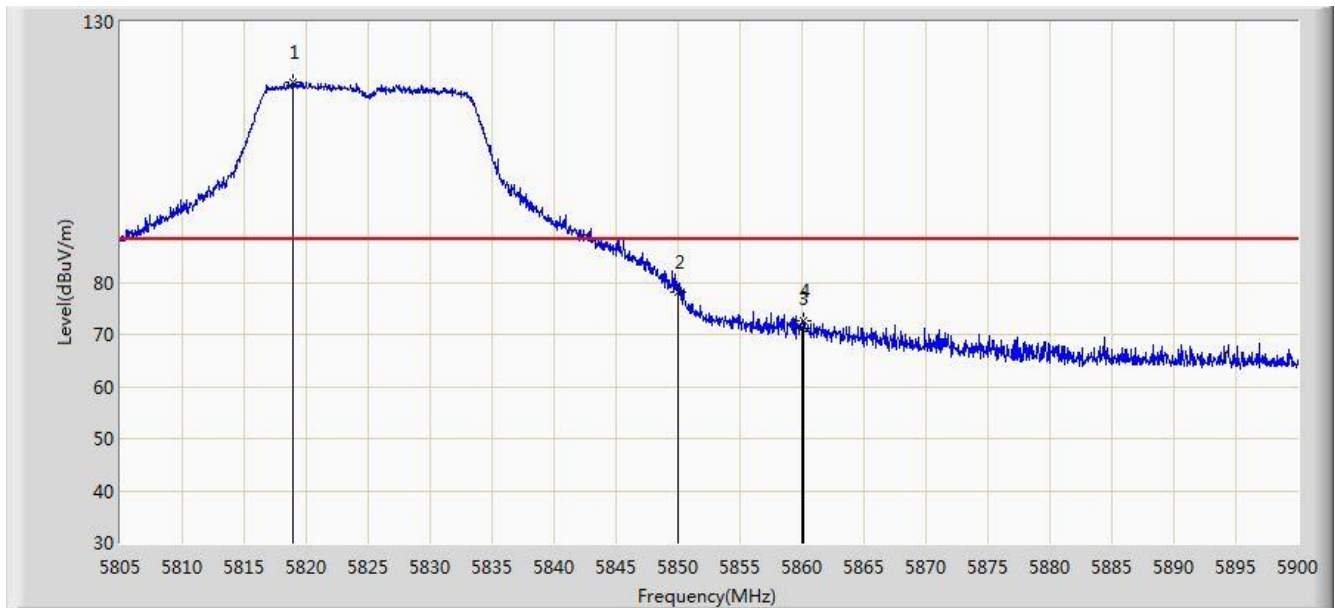
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.917	118.378	80.736	N/A	N/A	37.641	PK
2			5850.000	78.233	40.497	-19.967	98.200	37.736	PK
3			5860.000	71.276	33.502	-16.924	88.200	37.774	PK
4			5860.147	72.706	34.931	-15.494	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	
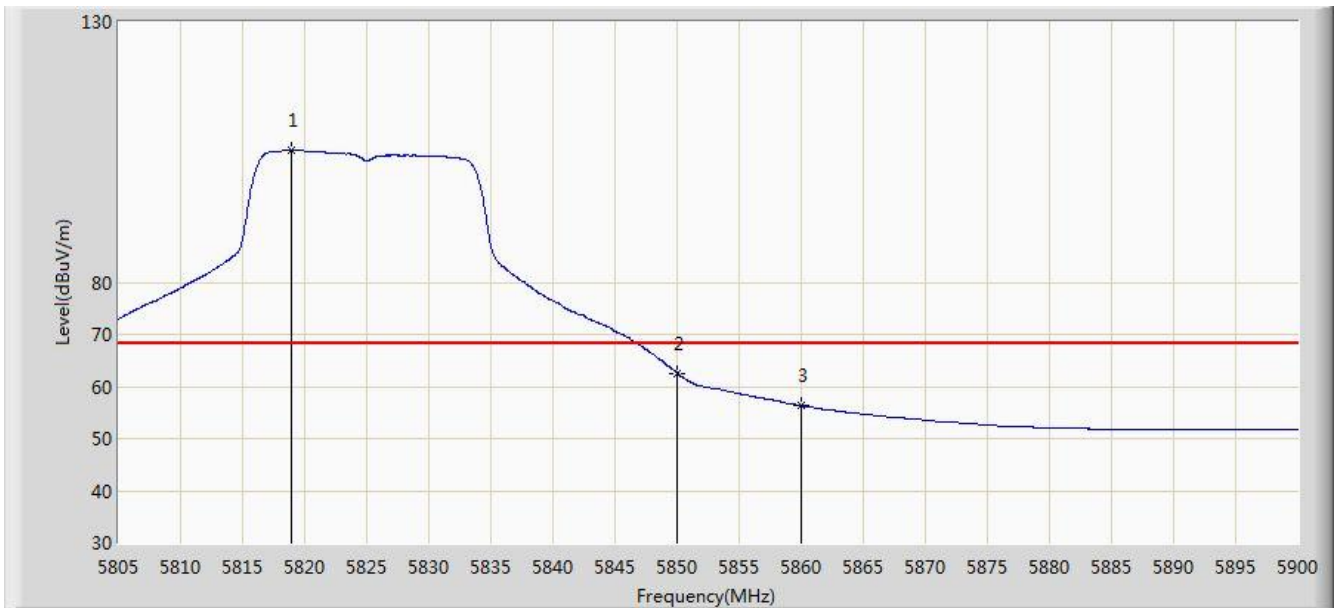
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.965	105.261	67.619	N/A	N/A	37.641	AV
2			5850.000	62.578	24.842	-15.622	78.200	37.736	AV
3			5860.000	56.379	18.605	-11.821	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	
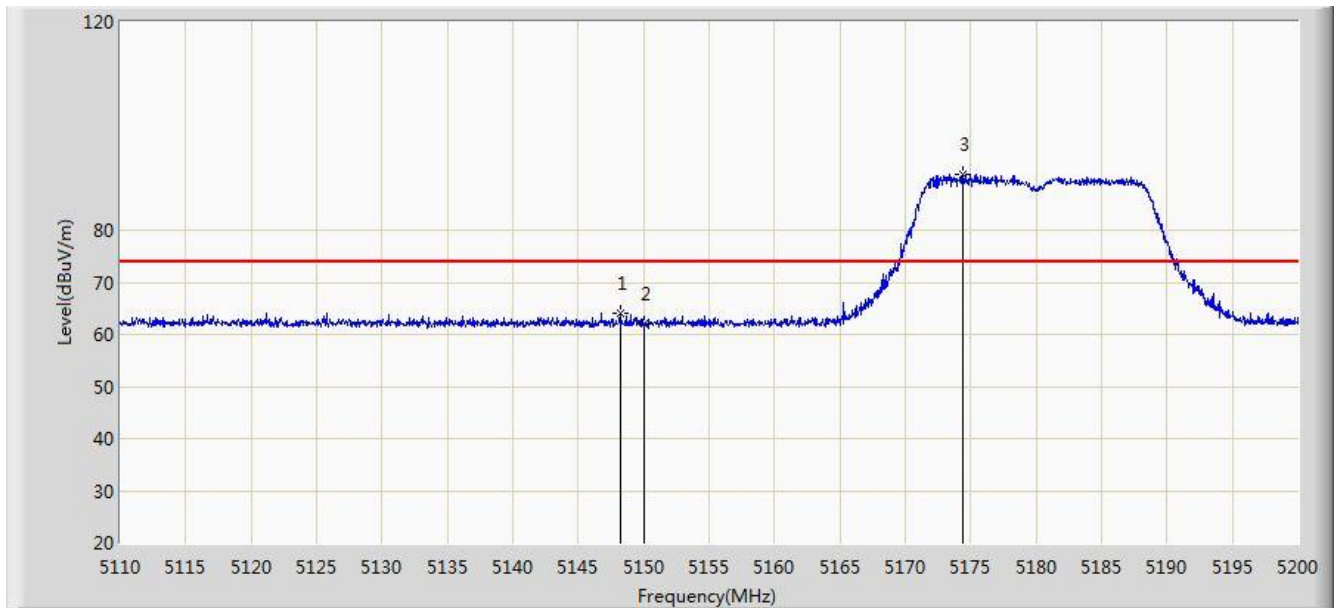
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.205	64.067	27.312	-9.933	74.000	36.754	PK
2			5150.000	61.895	25.143	-12.105	74.000	36.752	PK
3		*	5174.440	90.808	54.125	N/A	N/A	36.683	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	
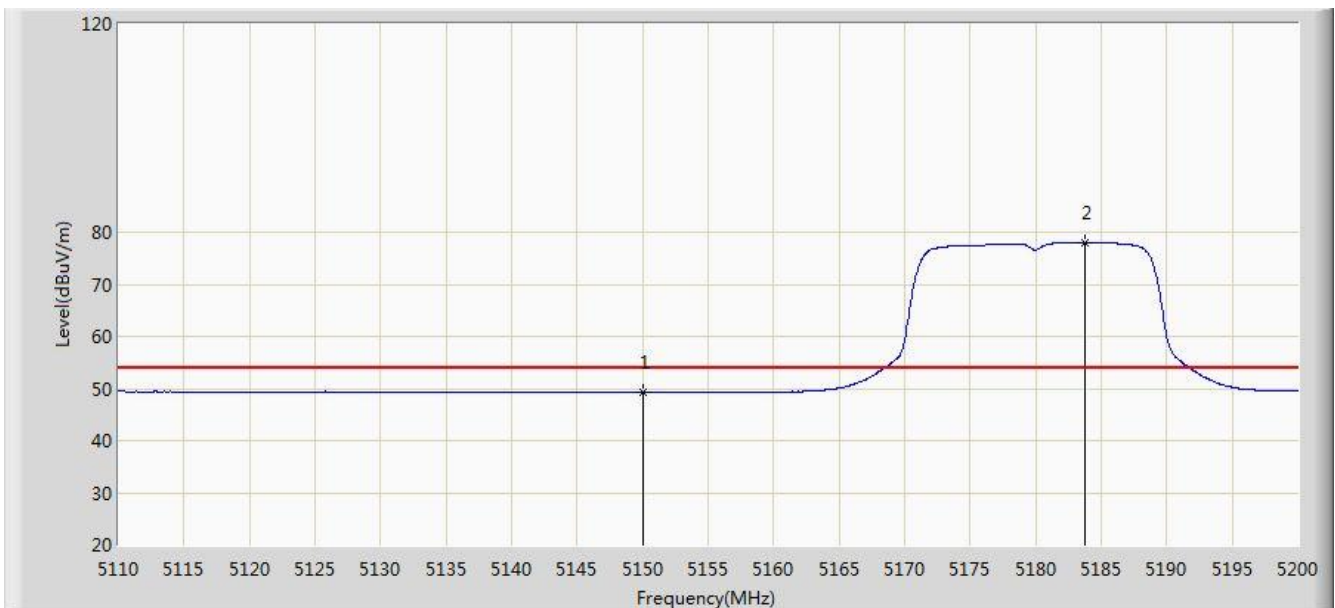
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.328	12.576	-4.672	54.000	36.752	AV
2		*	5183.710	77.966	41.311	N/A	N/A	36.654	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	
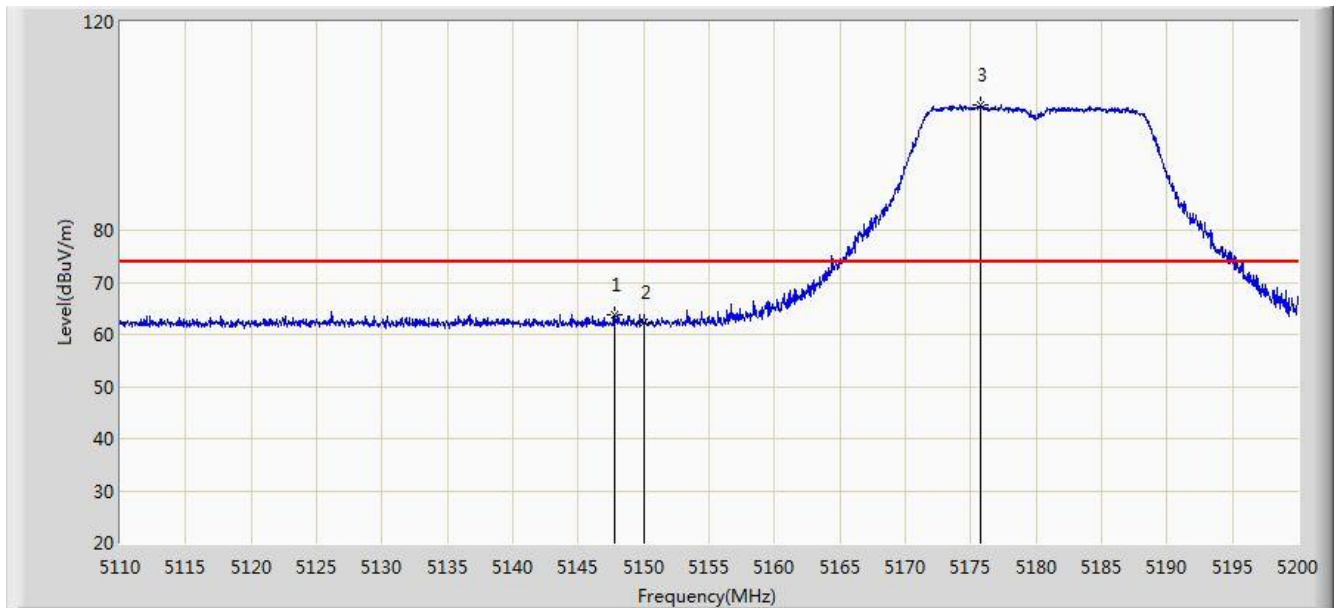
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	63.841	27.086	-10.159	74.000	36.755	PK
2			5150.000	62.235	25.483	-11.765	74.000	36.752	PK
3		*	5175.700	104.017	67.338	N/A	N/A	36.679	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	
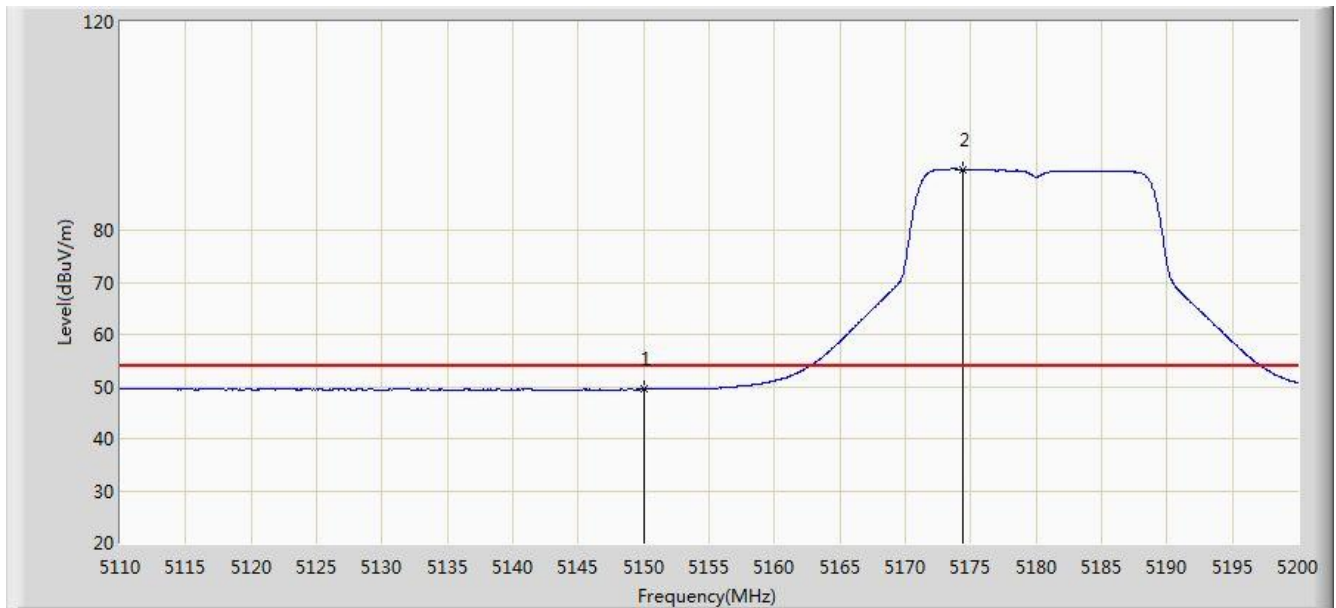
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.431	12.679	-4.569	54.000	36.752	AV
2		*	5174.350	91.677	54.994	N/A	N/A	36.684	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:06
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
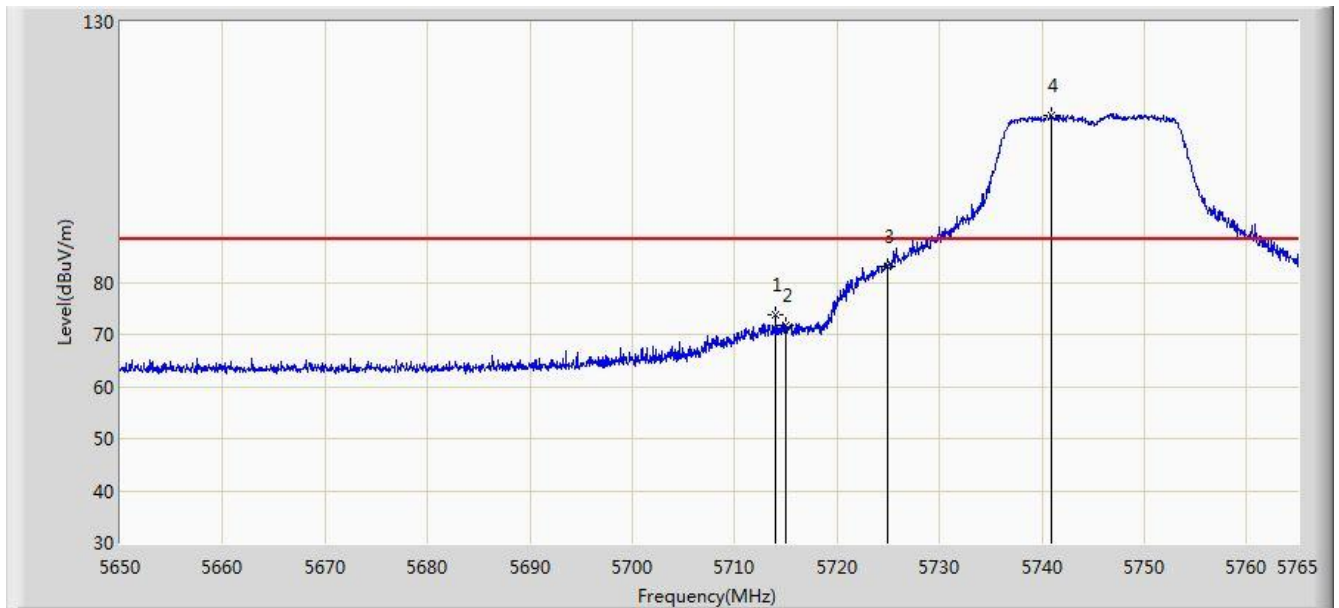
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.055	73.774	36.511	-14.426	88.200	37.263	PK
2			5715.000	71.673	34.406	-16.527	88.200	37.267	PK
3			5725.000	83.092	45.787	-15.108	98.200	37.305	PK
4		*	5740.908	112.165	74.797	N/A	N/A	37.369	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:08
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
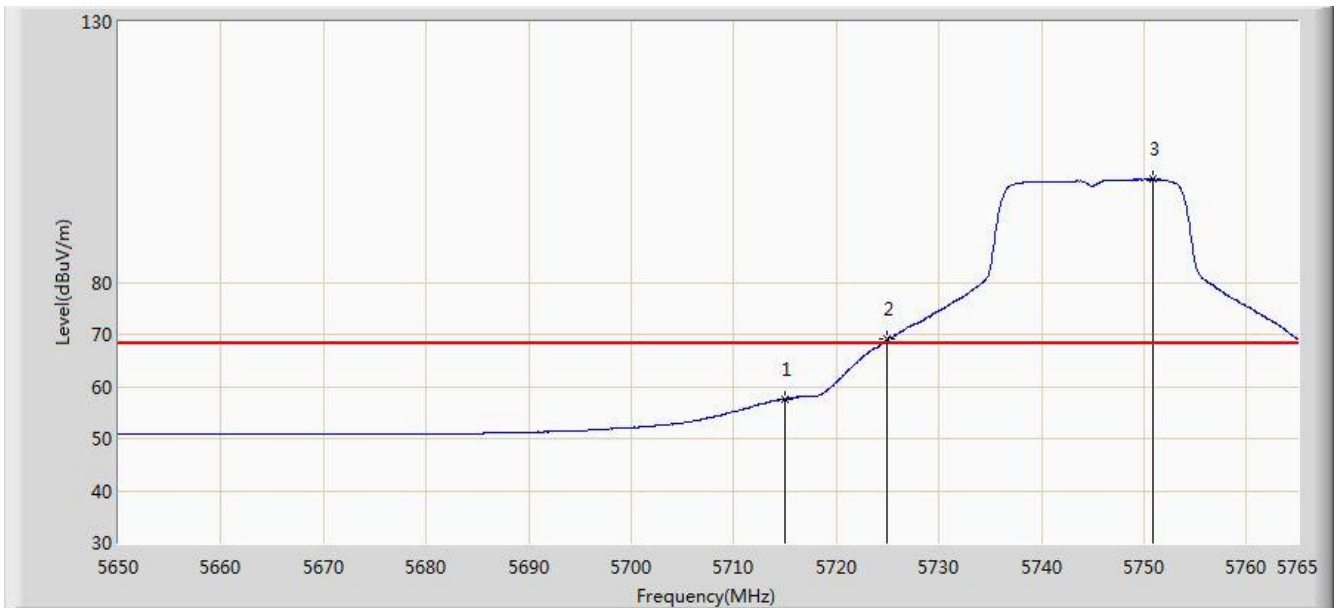
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.614	20.347	-10.586	68.200	37.267	AV
2			5725.000	69.043	31.738	-9.157	78.200	37.305	AV
3		*	5750.855	99.731	62.323	N/A	N/A	37.408	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
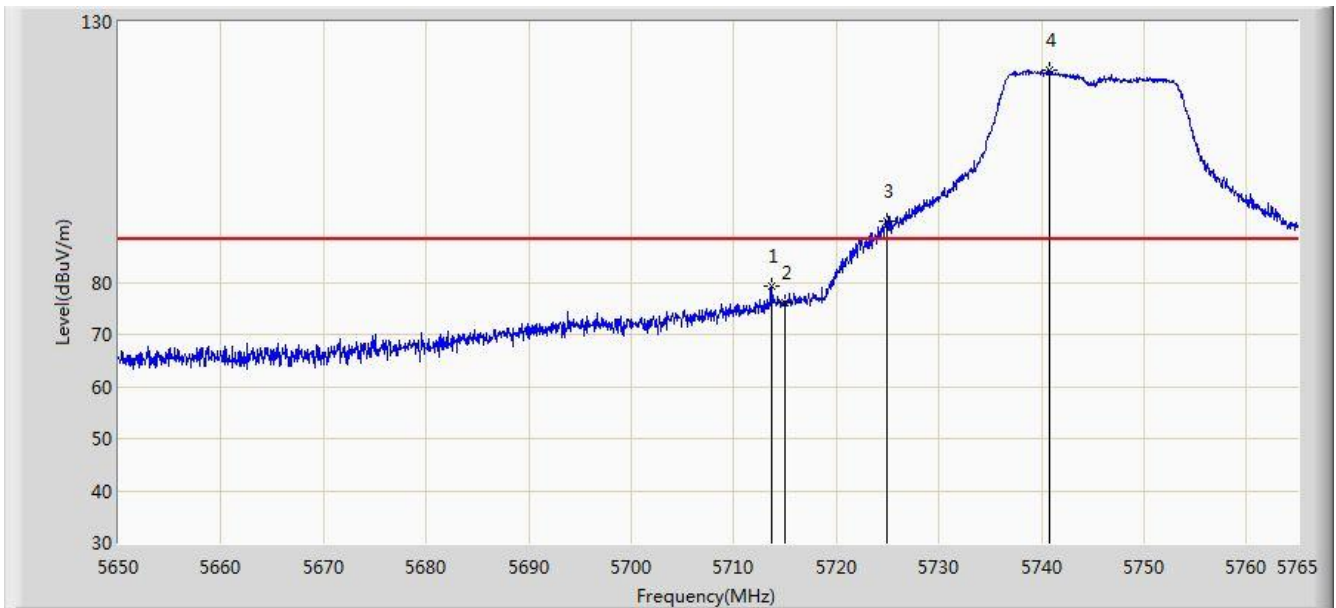
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.768	79.203	41.941	-8.997	88.200	37.262	PK
2			5715.000	76.025	38.758	-12.175	88.200	37.267	PK
3			5725.000	91.720	54.415	-6.480	98.200	37.305	PK
4		*	5740.735	120.865	83.497	N/A	N/A	37.367	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:12
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	
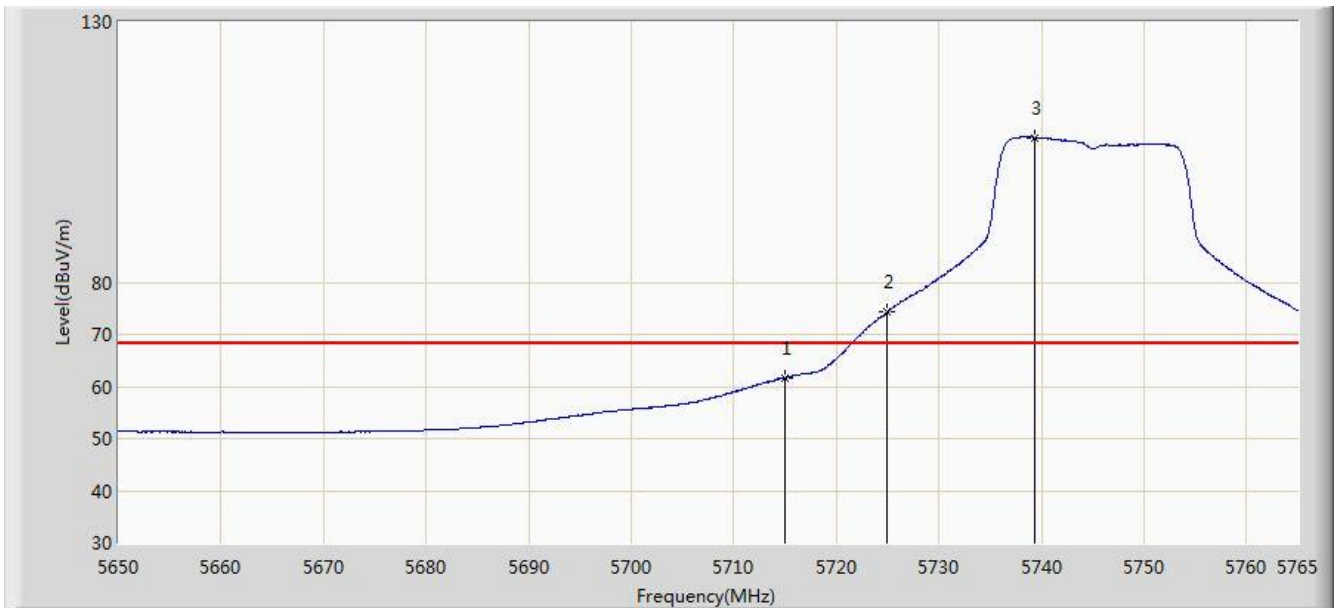
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.685	24.418	-6.515	68.200	37.267	AV
2			5725.000	74.307	37.002	-3.893	78.200	37.305	AV
3		*	5739.355	107.825	70.462	N/A	N/A	37.363	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:13
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
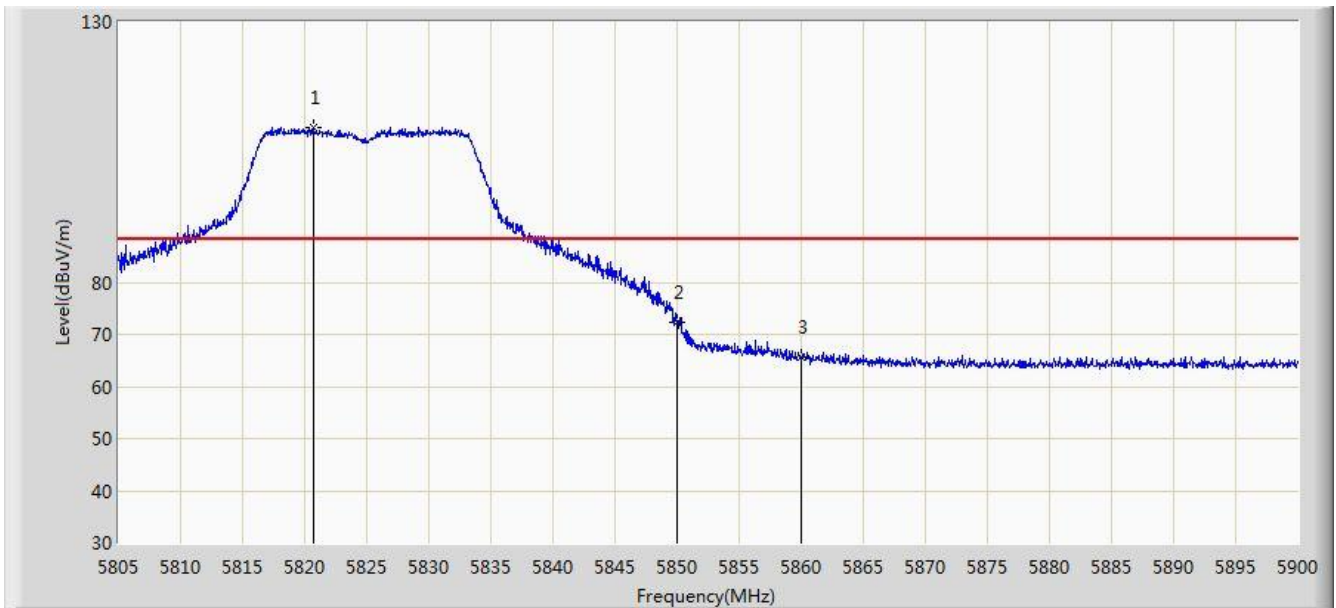
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.675	109.675	72.030	N/A	N/A	37.645	PK
2			5850.000	72.285	34.549	-25.915	98.200	37.736	PK
3			5860.000	65.654	27.880	-22.546	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:15
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
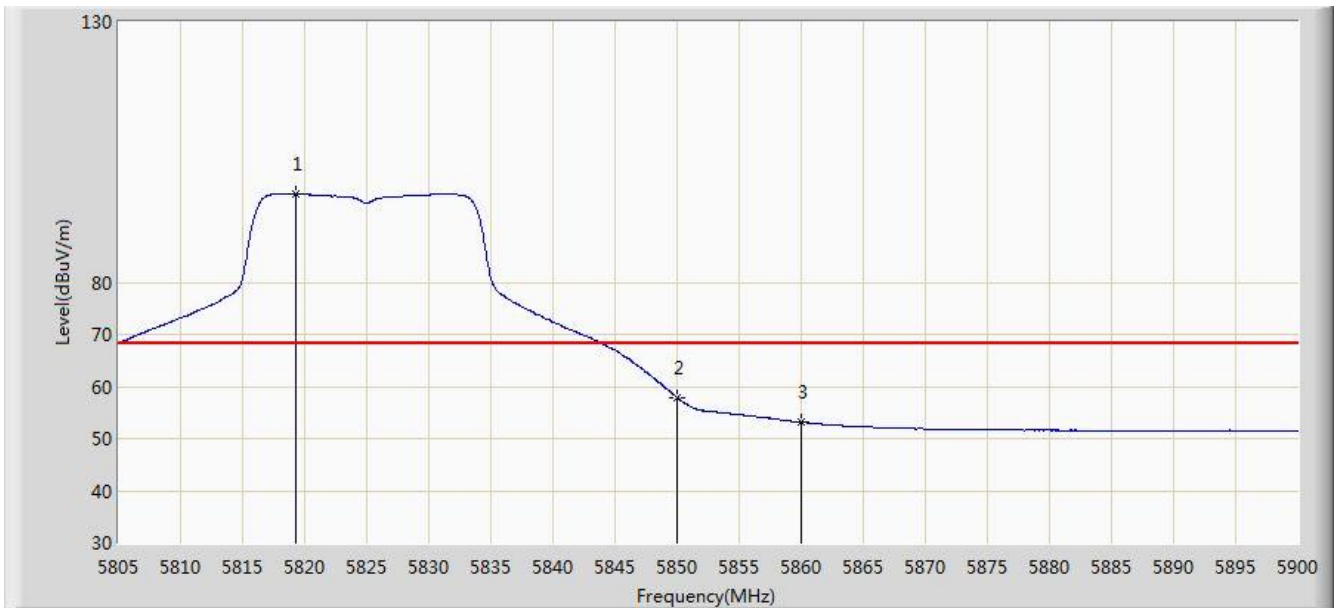
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	96.981	59.339	N/A	N/A	37.643	AV
2			5850.000	57.885	20.149	-20.315	78.200	37.736	AV
3			5860.000	53.146	15.372	-15.054	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:16
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
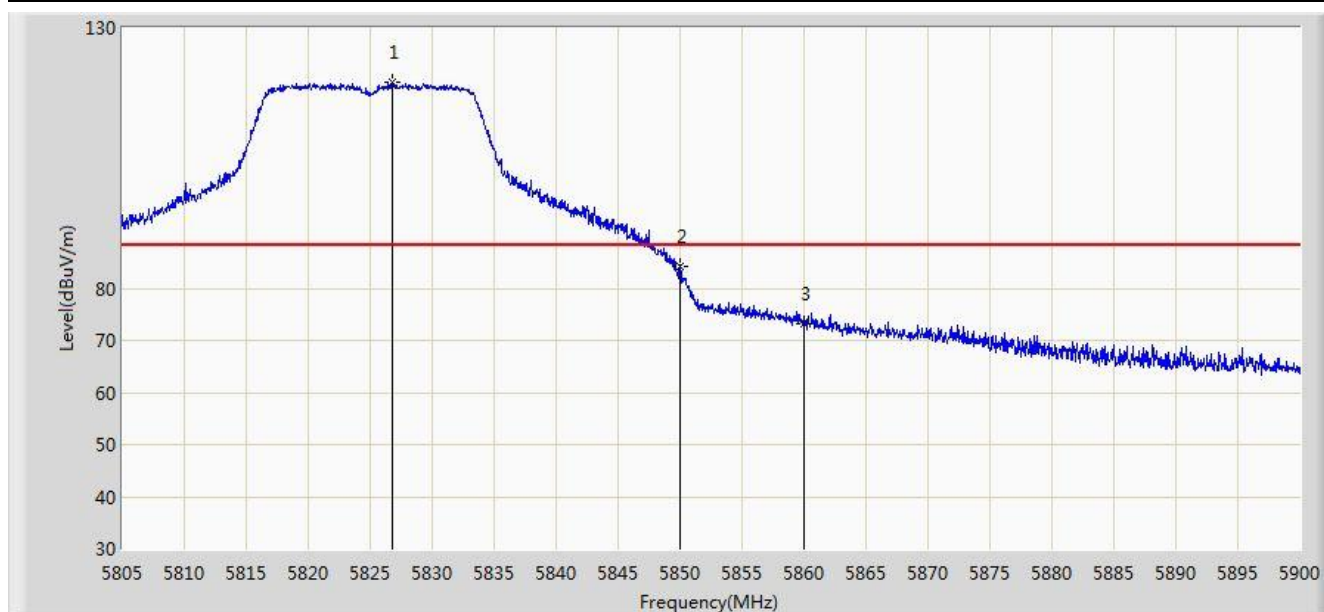
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.755	119.655	81.998	N/A	N/A	37.657	PK
2			5850.000	84.275	46.539	-13.925	98.200	37.736	PK
3			5860.000	73.276	35.502	-14.924	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:17
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	
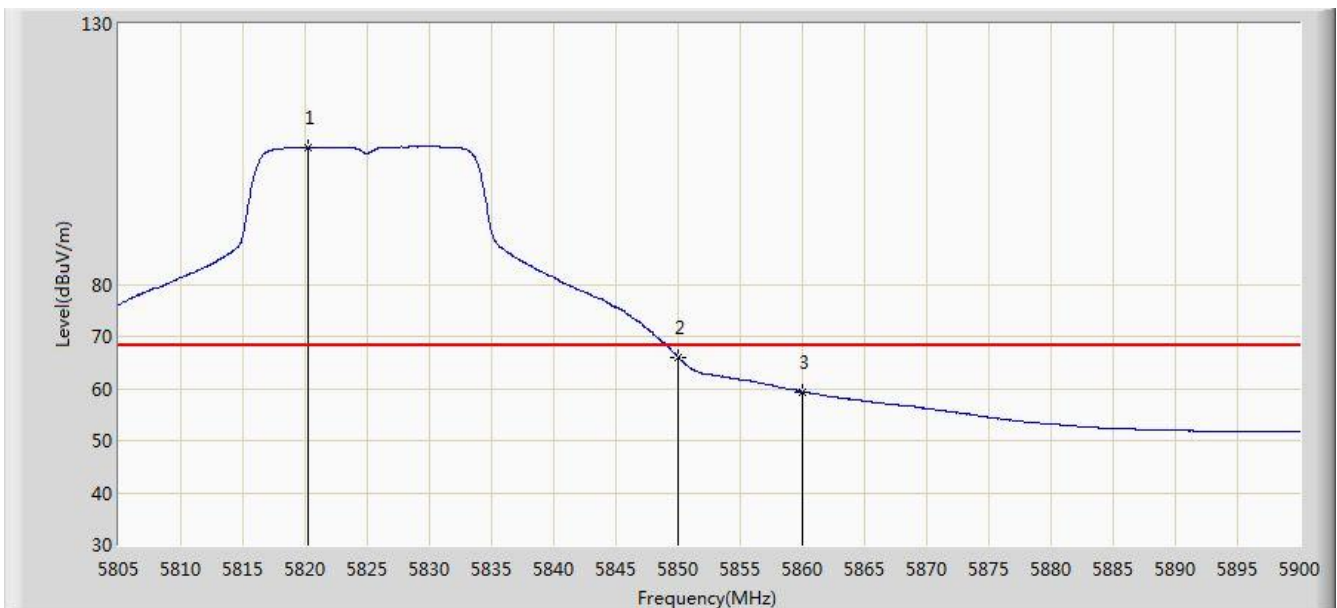
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.295	106.272	68.628	N/A	N/A	37.644	AV
2			5850.000	66.021	28.285	-12.179	78.200	37.736	AV
3			5860.000	59.327	21.553	-8.873	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
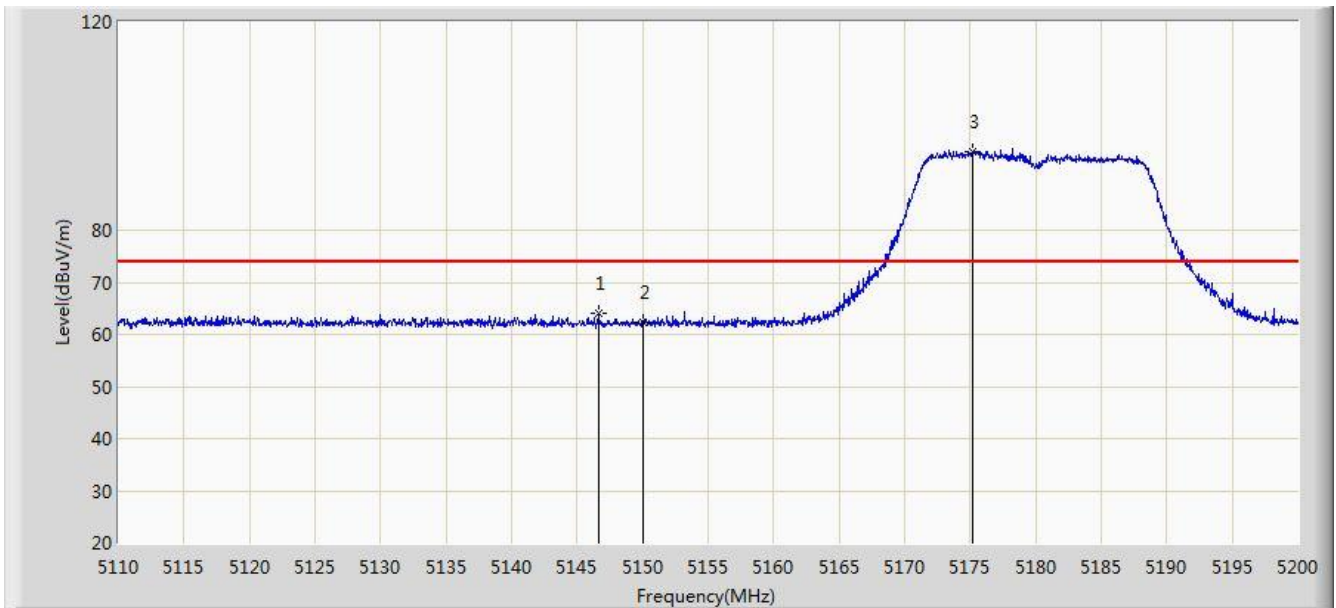
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.630	64.004	27.247	-9.996	74.000	36.757	PK
2			5150.000	62.427	25.675	-11.573	74.000	36.752	PK
3		*	5175.205	95.060	58.379	N/A	N/A	36.681	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
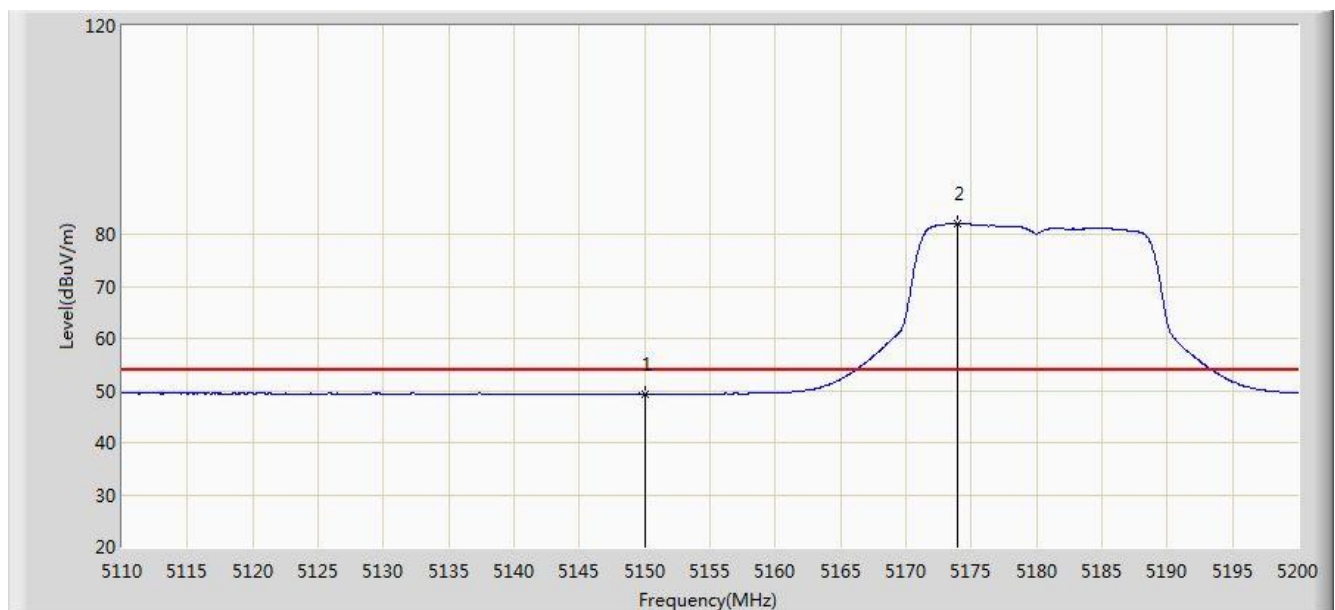
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.384	12.632	-4.616	54.000	36.752	AV
2		*	5173.900	81.992	45.307	N/A	N/A	36.685	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
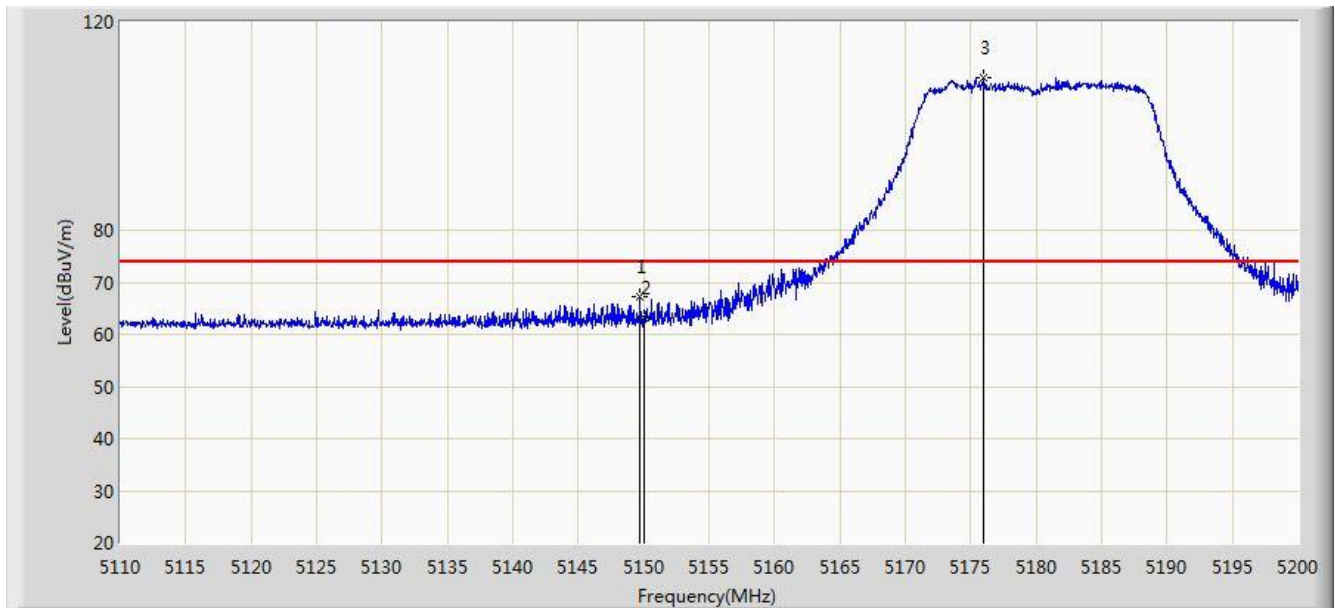
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	67.325	30.572	-6.675	74.000	36.752	PK
2			5150.000	63.301	26.549	-10.699	74.000	36.752	PK
3		*	5175.925	109.172	72.494	N/A	N/A	36.678	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	
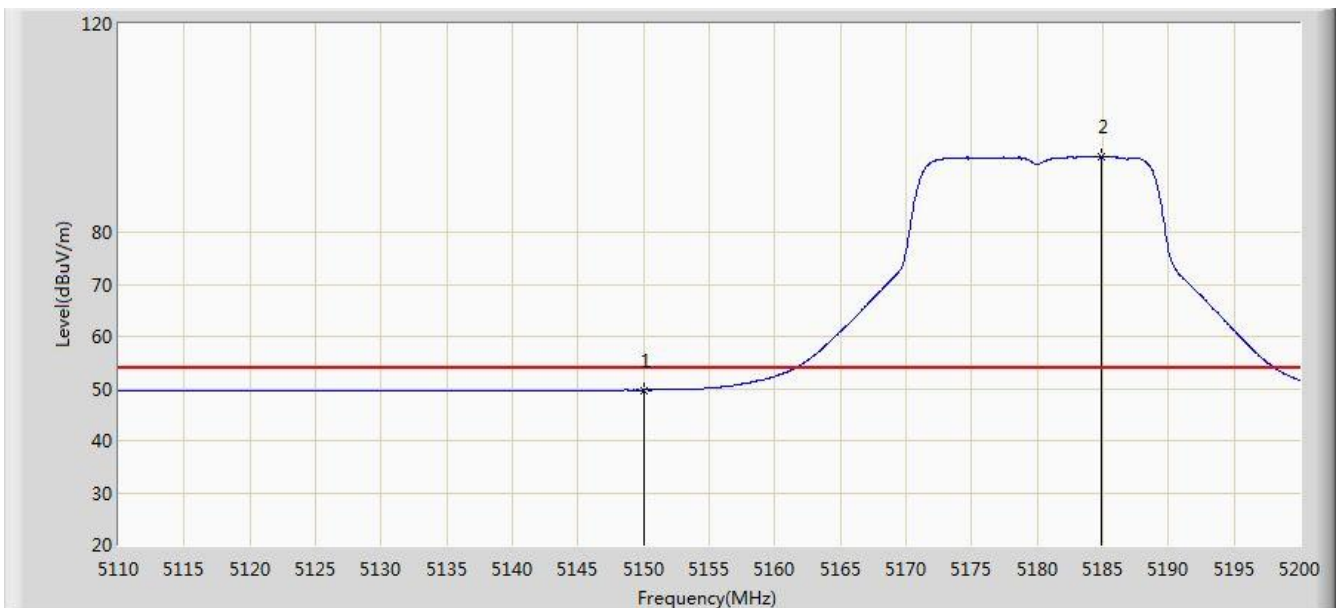
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.706	12.954	-4.294	54.000	36.752	AV
2		*	5184.835	94.577	57.926	N/A	N/A	36.651	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:26
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
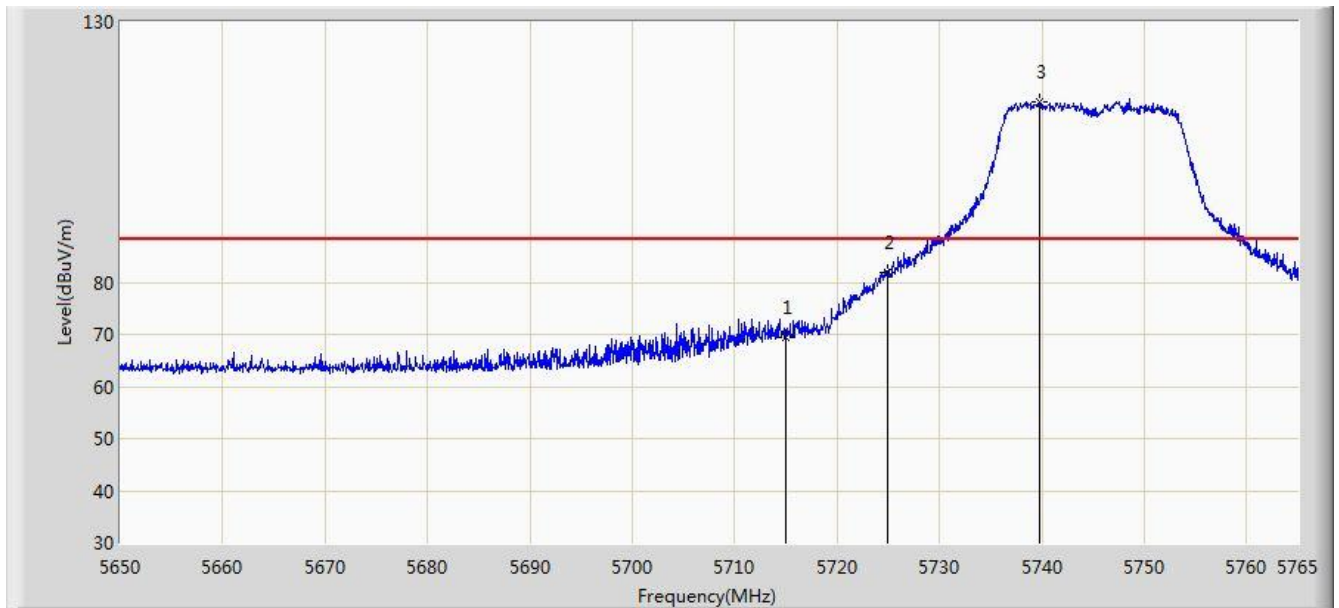
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	69.454	32.187	-18.746	88.200	37.267	PK
2			5725.000	81.827	44.522	-16.373	98.200	37.305	PK
3		*	5739.757	114.780	77.416	N/A	N/A	37.364	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:27
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
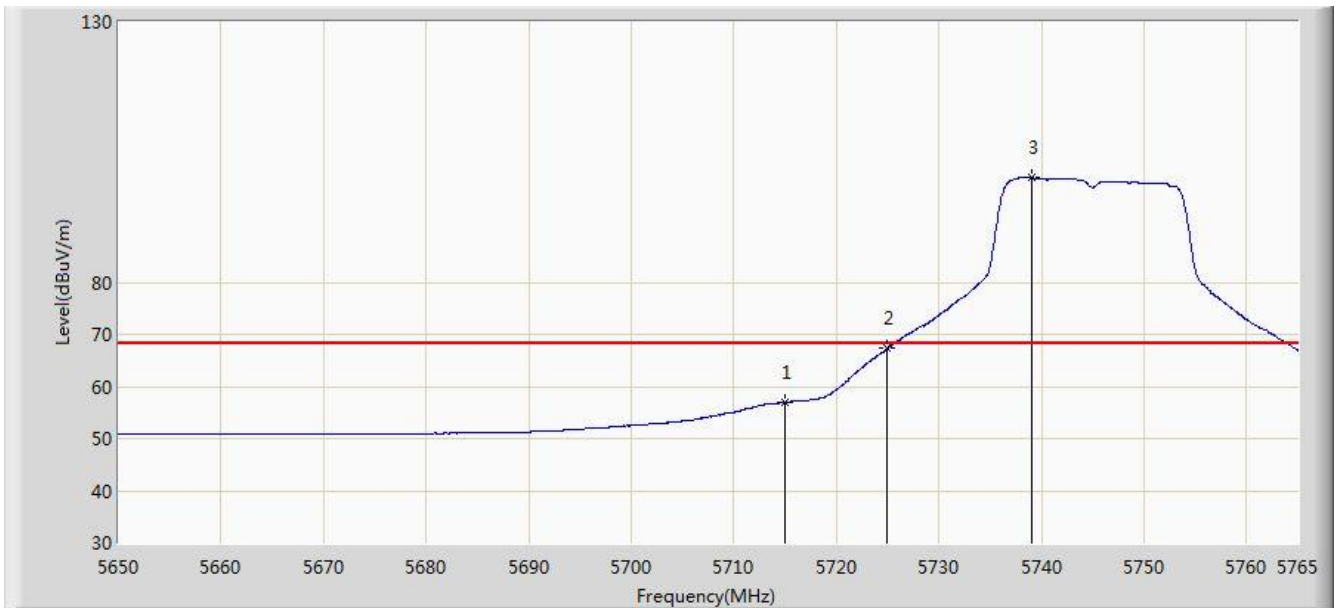
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.004	19.737	-11.196	68.200	37.267	AV
2			5725.000	67.254	29.949	-10.946	78.200	37.305	AV
3		*	5739.010	100.038	62.676	N/A	N/A	37.361	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:28
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
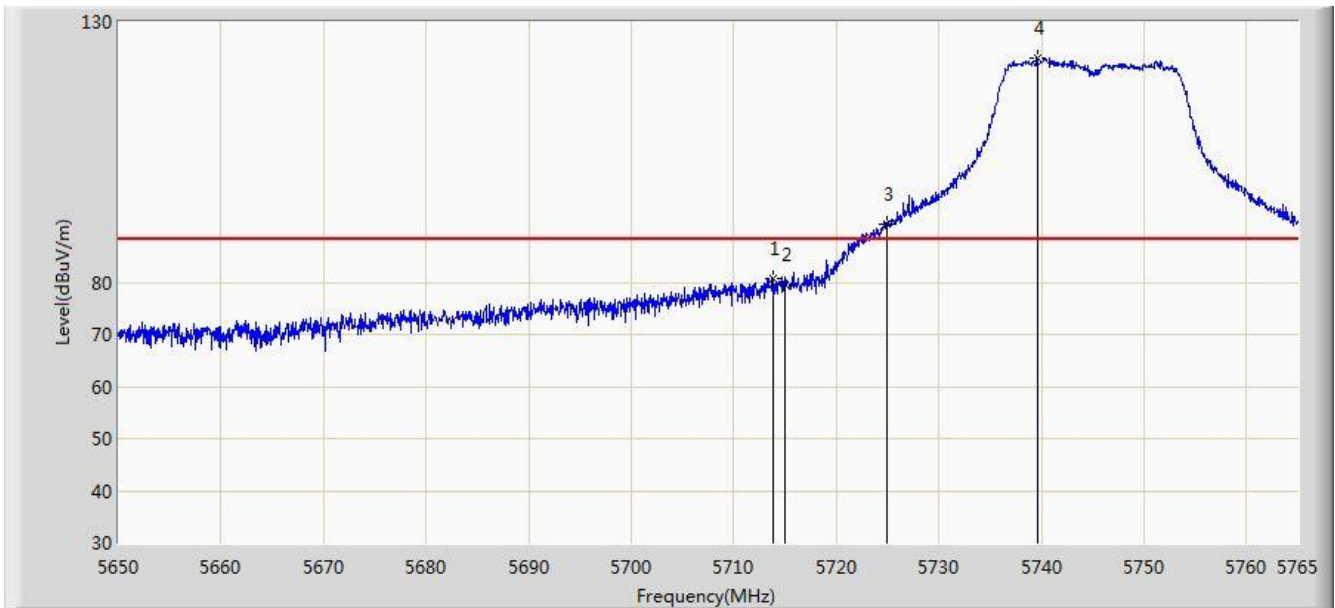
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.825	80.814	43.552	-7.386	88.200	37.262	PK
2			5715.000	79.675	42.408	-8.525	88.200	37.267	PK
3			5725.000	91.278	53.973	-6.922	98.200	37.305	PK
4		*	5739.643	123.018	85.654	N/A	N/A	37.364	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0+1	
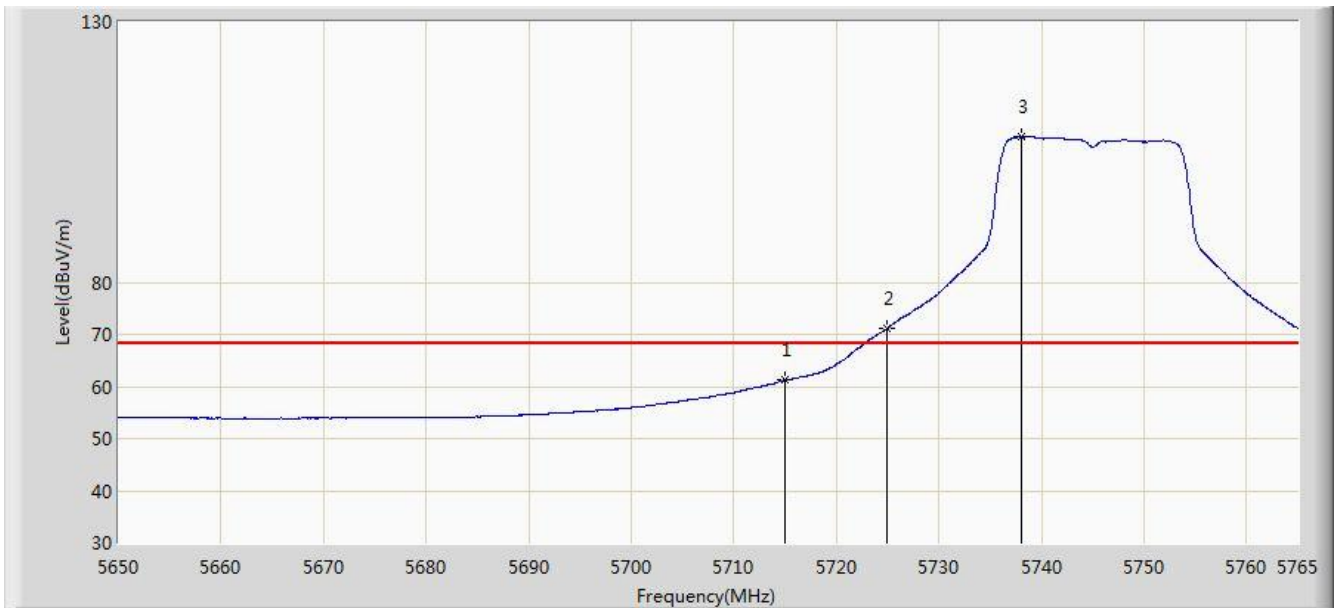
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.196	23.929	-7.004	68.200	37.267	AV
2			5725.000	71.175	33.870	-7.025	78.200	37.305	AV
3		*	5738.090	107.994	70.636	N/A	N/A	37.358	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:34
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
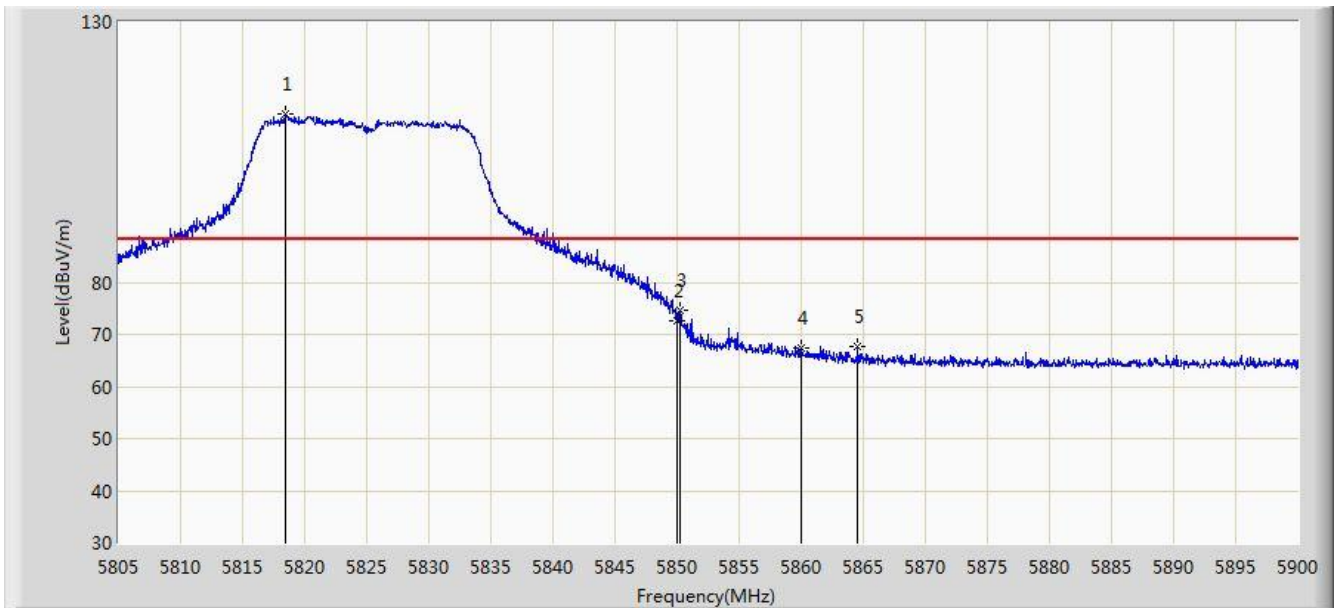
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.490	112.397	74.756	N/A	N/A	37.641	PK
2			5850.000	72.535	34.799	-25.665	98.200	37.736	PK
3			5850.220	74.678	36.941	-23.522	98.200	37.737	PK
4			5860.000	67.379	29.605	-20.821	88.200	37.774	PK
5			5864.565	67.747	29.960	-20.453	88.200	37.786	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:36
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
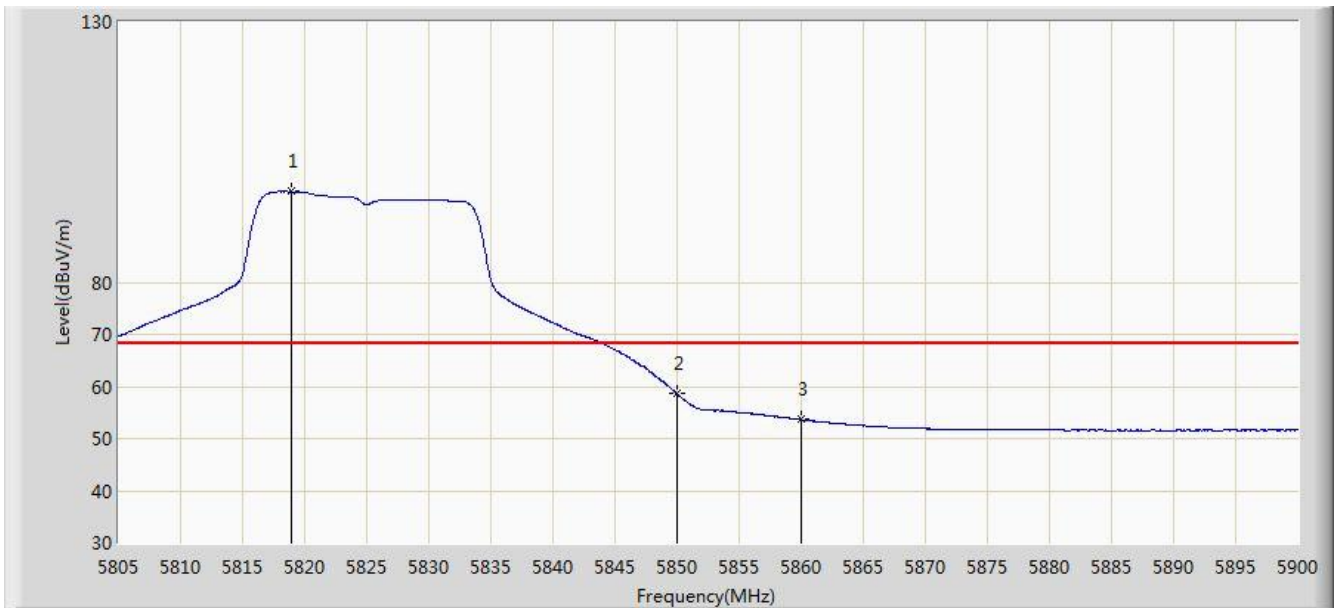
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.965	97.394	59.752	N/A	N/A	37.641	AV
2			5850.000	58.618	20.882	-19.582	78.200	37.736	AV
3			5860.000	53.636	15.862	-14.564	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:37
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
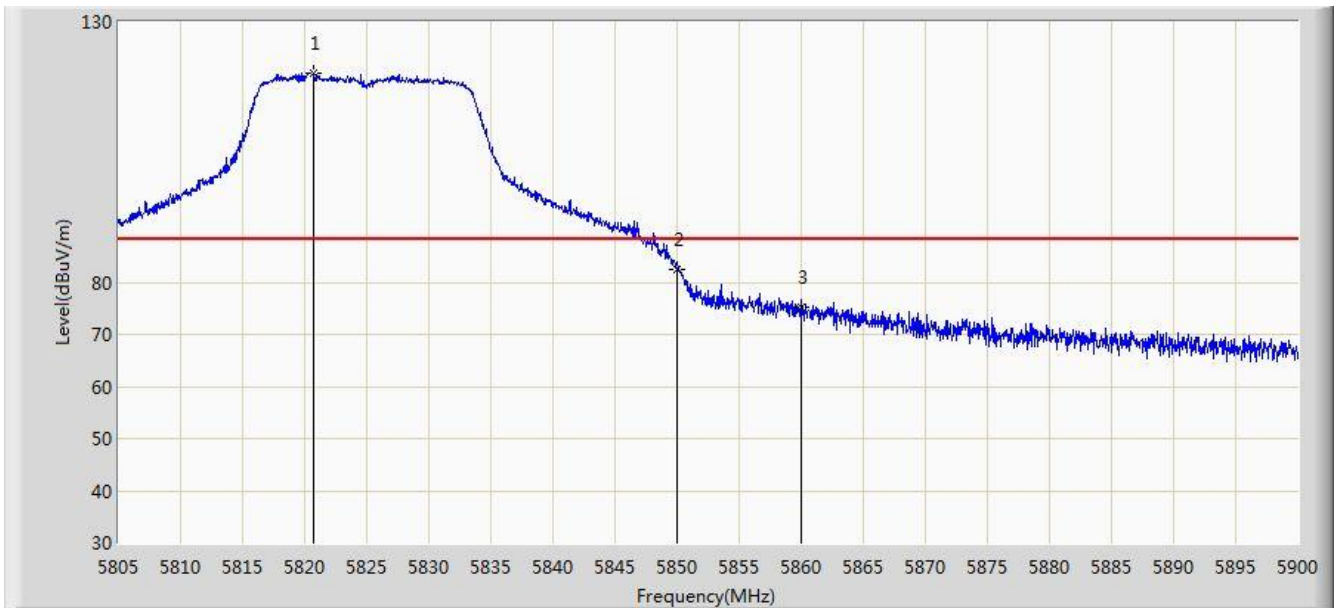
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.723	120.075	82.430	N/A	N/A	37.645	PK
2			5850.000	82.356	44.620	-15.844	98.200	37.736	PK
3			5860.000	75.300	37.526	-12.900	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:39
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0+1	
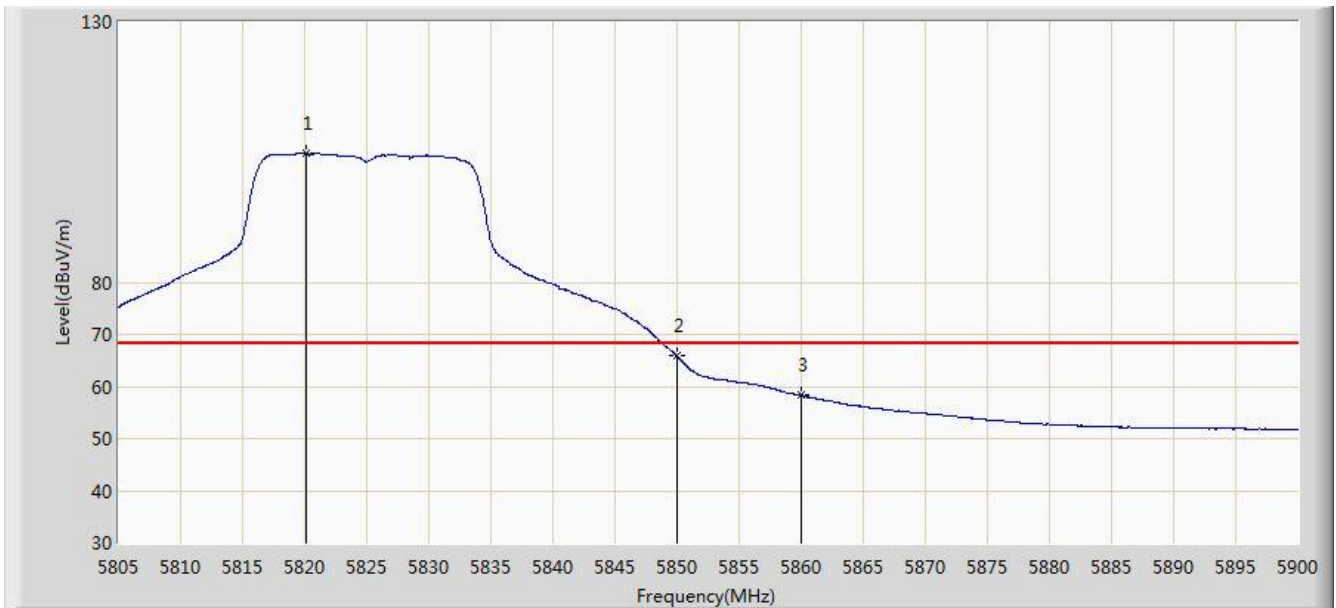
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.152	104.699	67.055	N/A	N/A	37.644	AV
2			5850.000	65.830	28.094	-12.370	78.200	37.736	AV
3			5860.000	58.369	20.595	-9.831	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
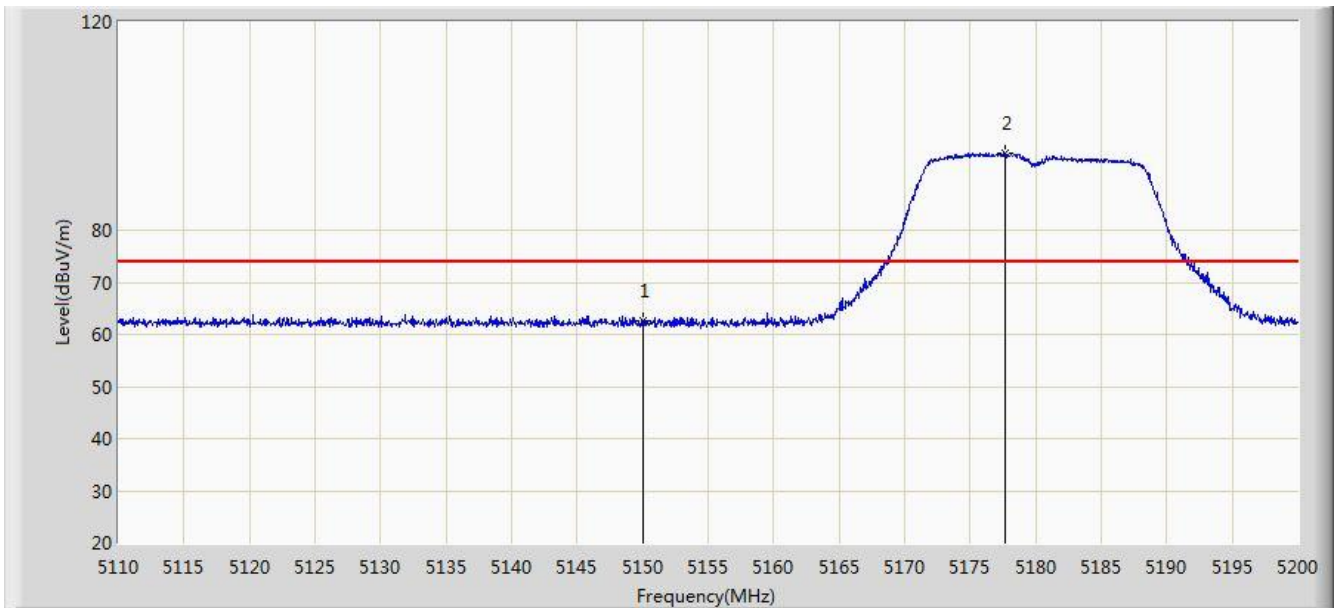
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.494	25.742	-11.506	74.000	36.752	PK
2		*	5177.725	94.718	58.045	N/A	N/A	36.673	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
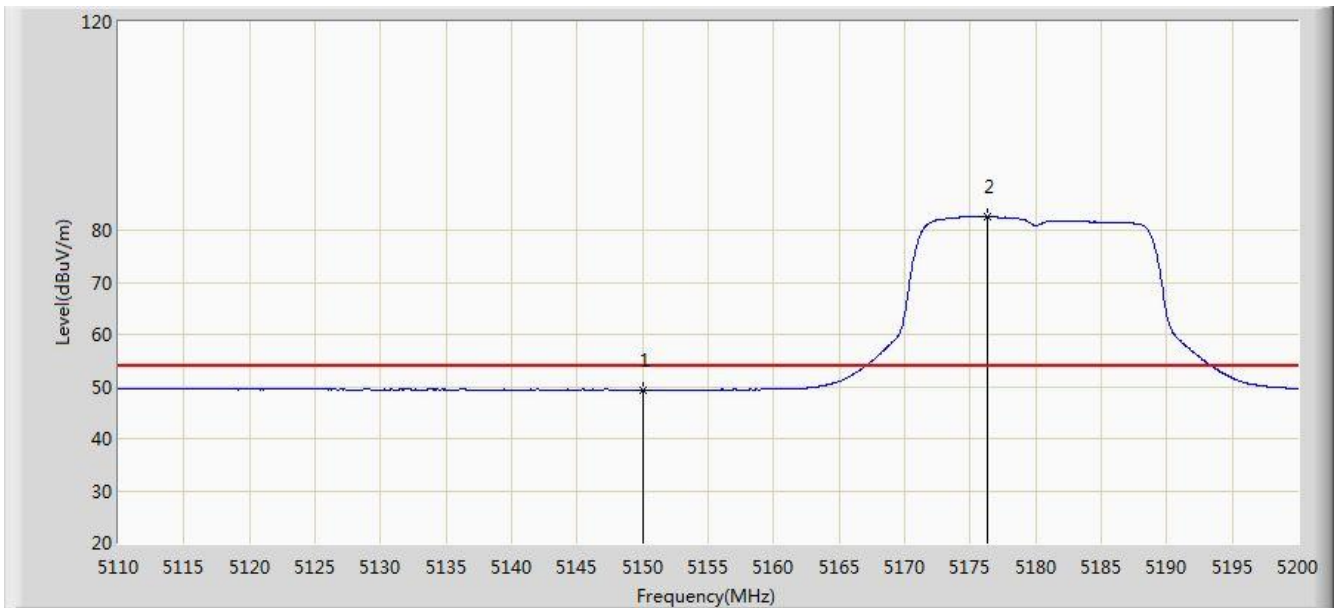
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.320	12.568	-4.680	54.000	36.752	AV
2		*	5176.330	82.588	45.911	N/A	N/A	36.677	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
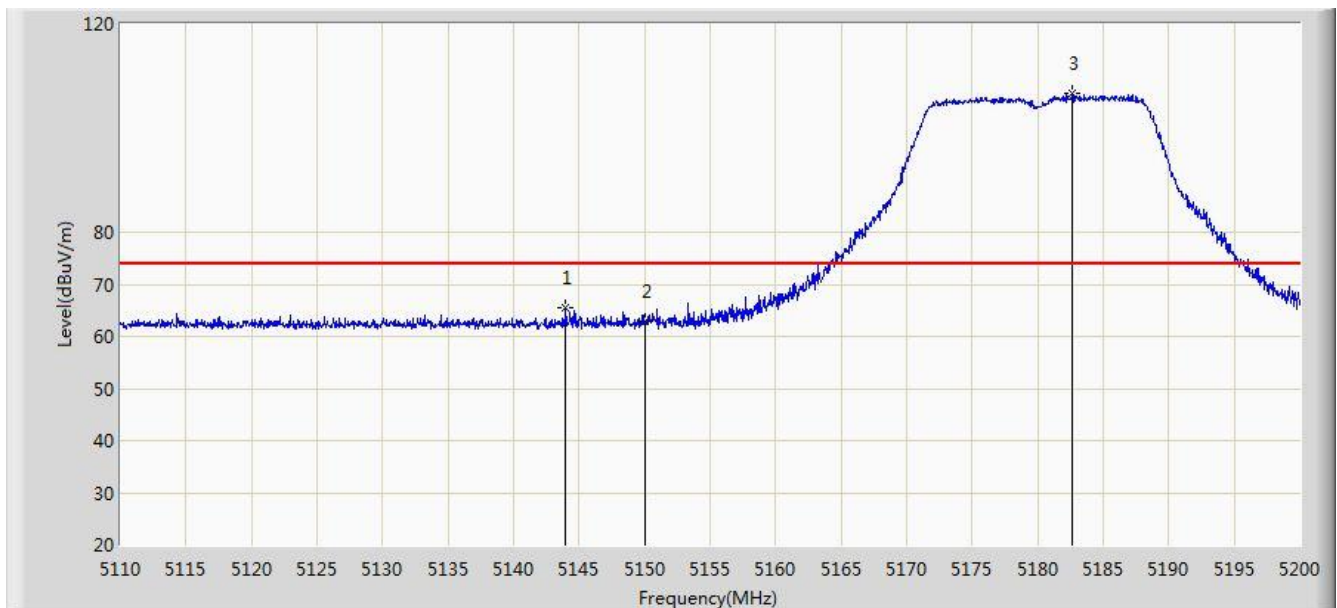
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.975	65.625	28.865	-8.375	74.000	36.760	PK
2			5150.000	62.890	26.138	-11.110	74.000	36.752	PK
3		*	5182.630	106.564	69.907	N/A	N/A	36.657	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	
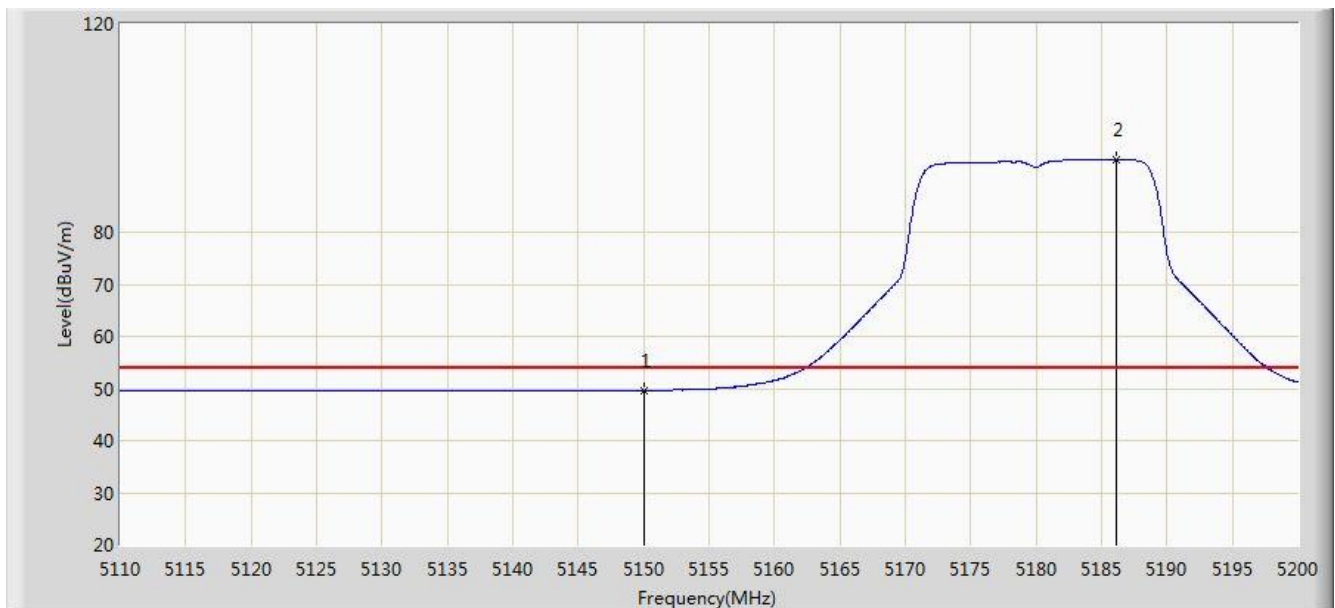
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.621	12.869	-4.379	54.000	36.752	AV
2		*	5186.095	94.046	57.398	N/A	N/A	36.648	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
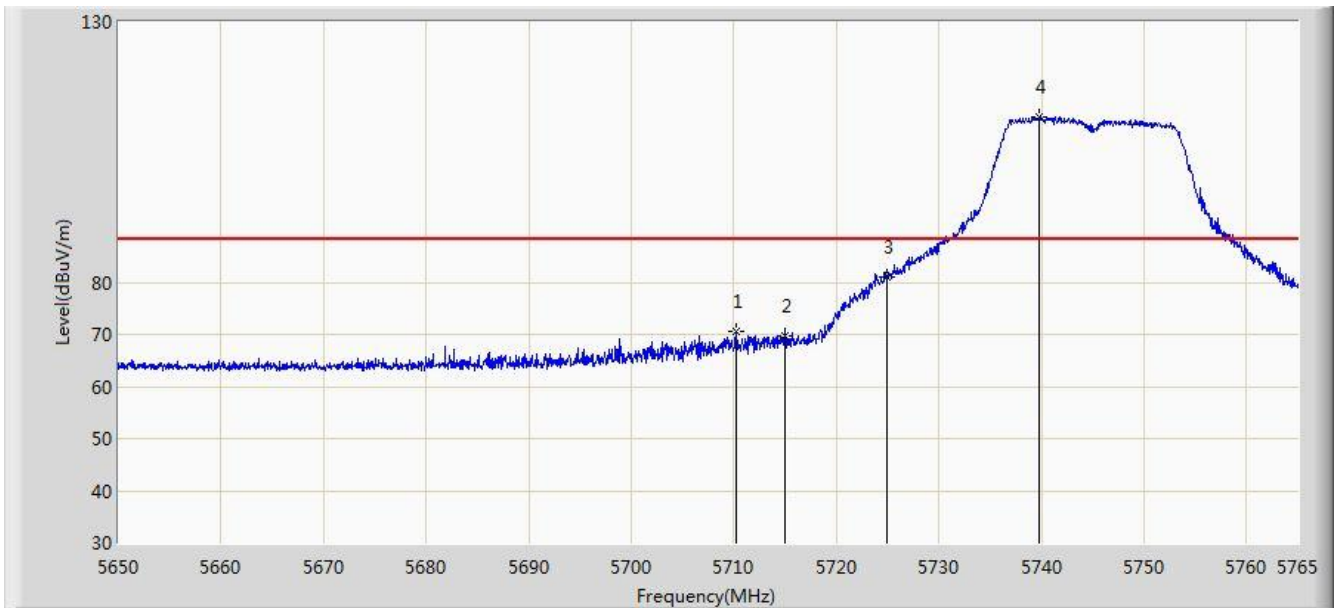
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5710.203	70.524	33.275	-17.676	88.200	37.249	PK
2			5715.000	69.845	32.578	-18.355	88.200	37.267	PK
3			5725.000	81.031	43.726	-17.169	98.200	37.305	PK
4		*	5739.815	111.666	74.302	N/A	N/A	37.364	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:48
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
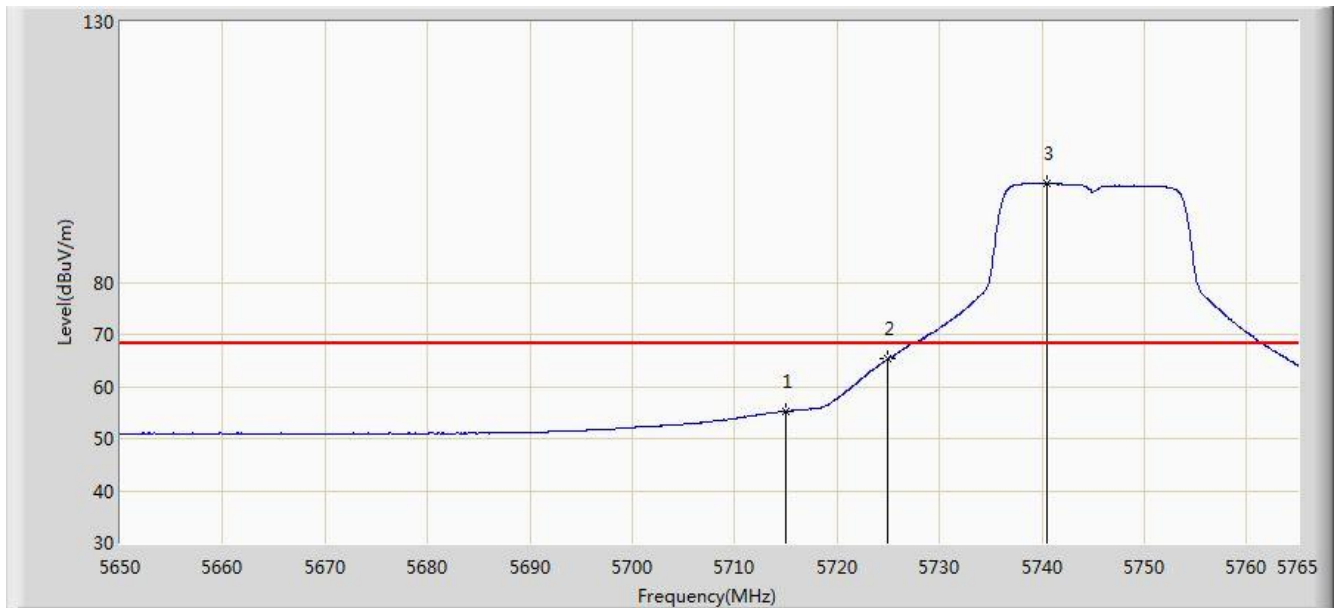
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.199	17.932	-13.001	68.200	37.267	AV
2			5725.000	65.320	28.015	-12.880	78.200	37.305	AV
3		*	5740.447	98.888	61.521	N/A	N/A	37.366	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
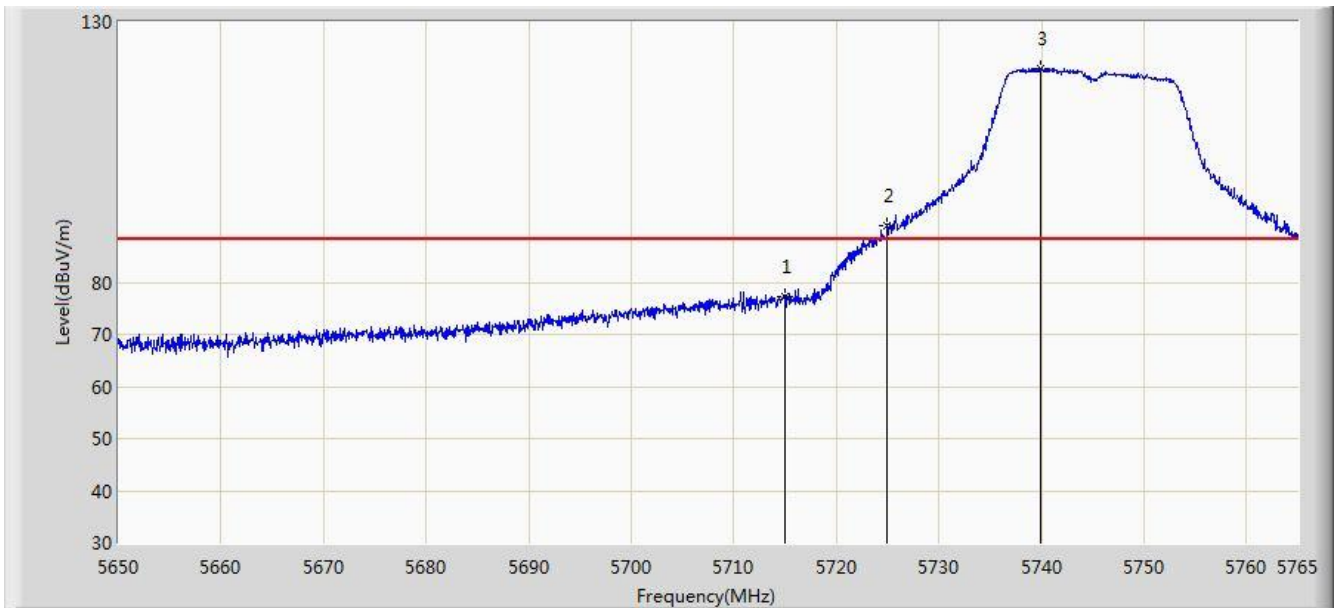
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	77.102	39.835	-11.098	88.200	37.267	PK
2			5725.000	90.942	53.637	-7.258	98.200	37.305	PK
3		*	5739.873	120.983	83.618	N/A	N/A	37.364	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:50
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0	
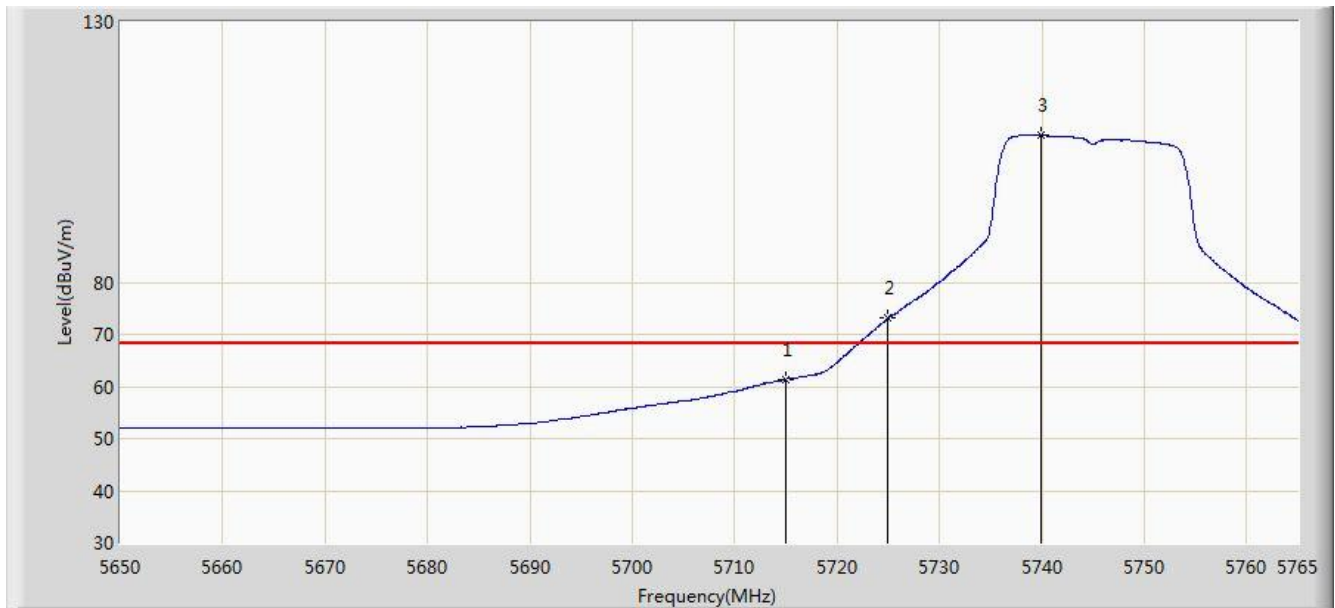
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.319	24.052	-6.881	68.200	37.267	AV
2			5725.000	73.047	35.742	-5.153	78.200	37.305	AV
3		*	5739.873	108.231	70.866	N/A	N/A	37.364	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
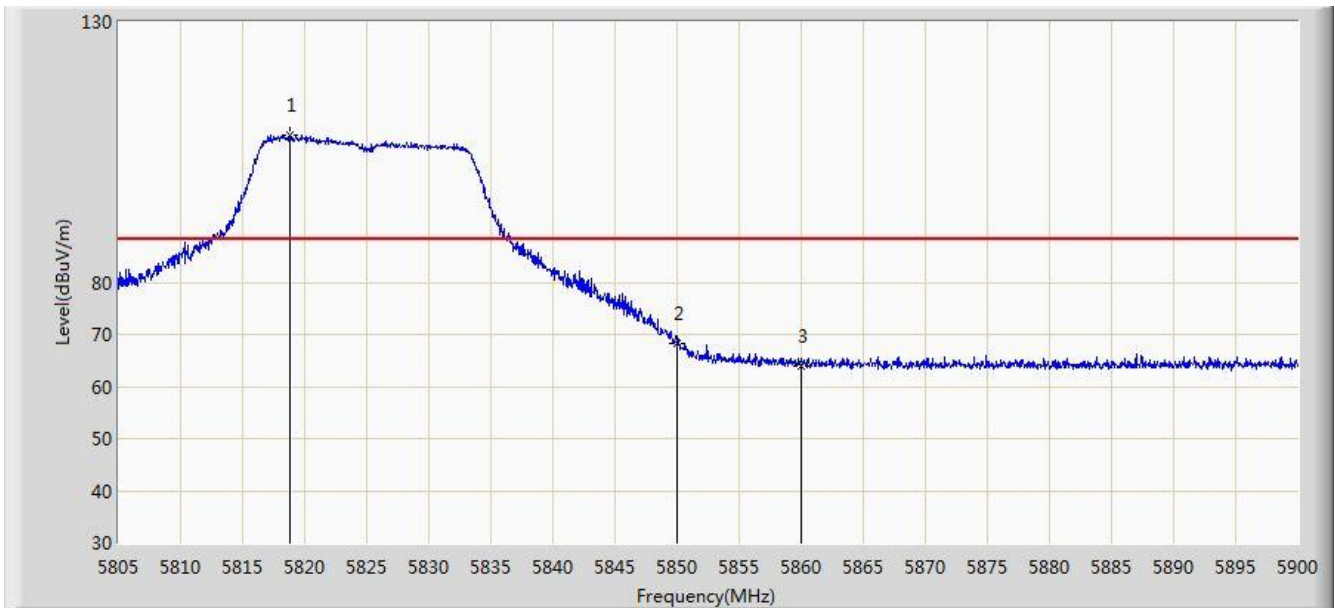
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.775	108.144	70.503	N/A	N/A	37.642	PK
2			5850.000	68.353	30.617	-29.847	98.200	37.736	PK
3			5860.000	63.949	26.175	-24.251	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:53
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
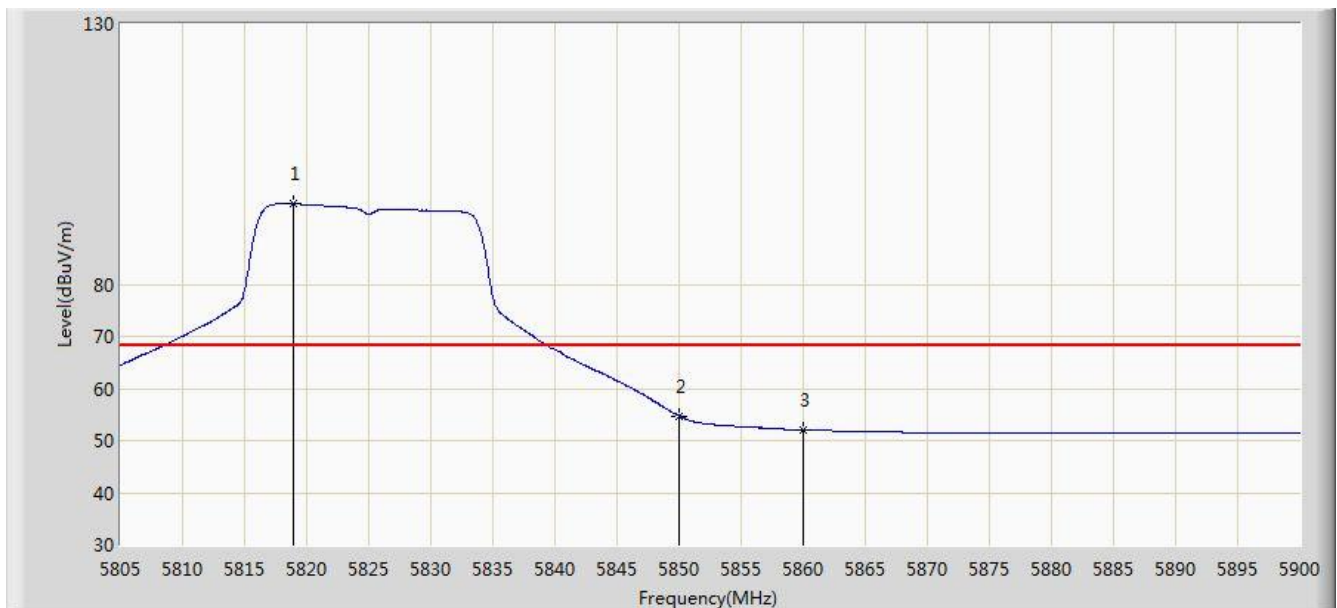
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.965	95.424	57.782	N/A	N/A	37.641	AV
2			5850.000	54.777	17.041	-23.423	78.200	37.736	AV
3			5860.000	52.025	14.251	-16.175	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:54
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
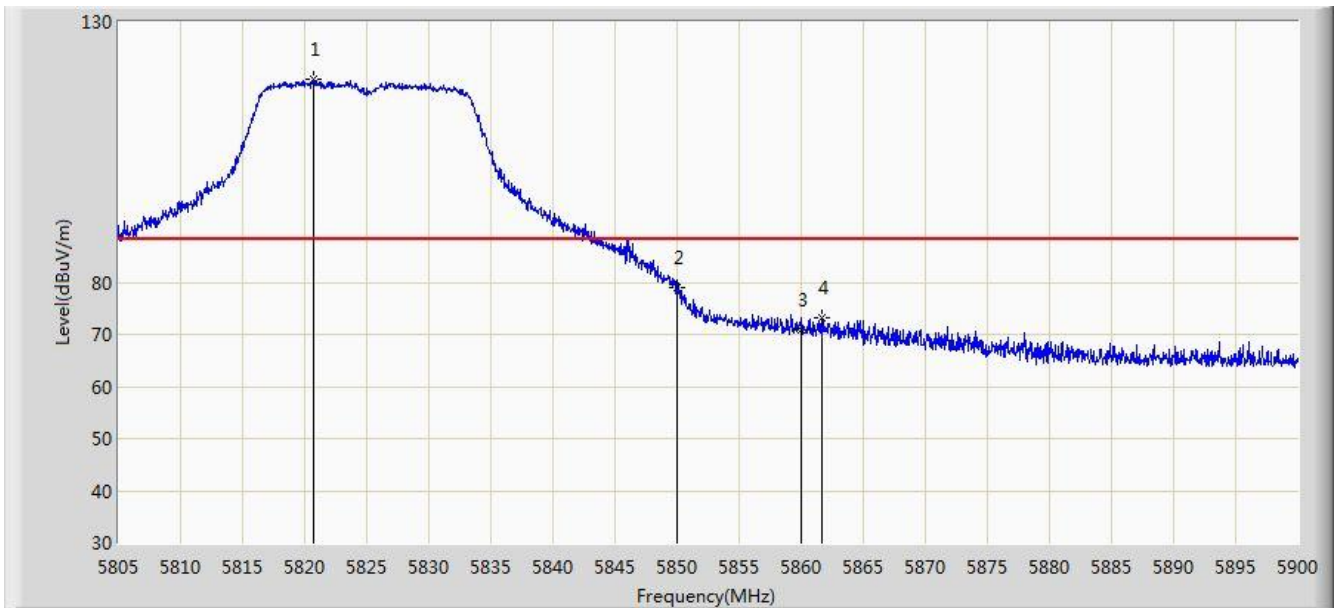
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.723	119.110	81.465	N/A	N/A	37.645	PK
2			5850.000	78.917	41.181	-19.283	98.200	37.736	PK
3			5860.000	70.833	33.059	-17.367	88.200	37.774	PK
4			5861.667	73.071	35.291	-15.129	88.200	37.780	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0	
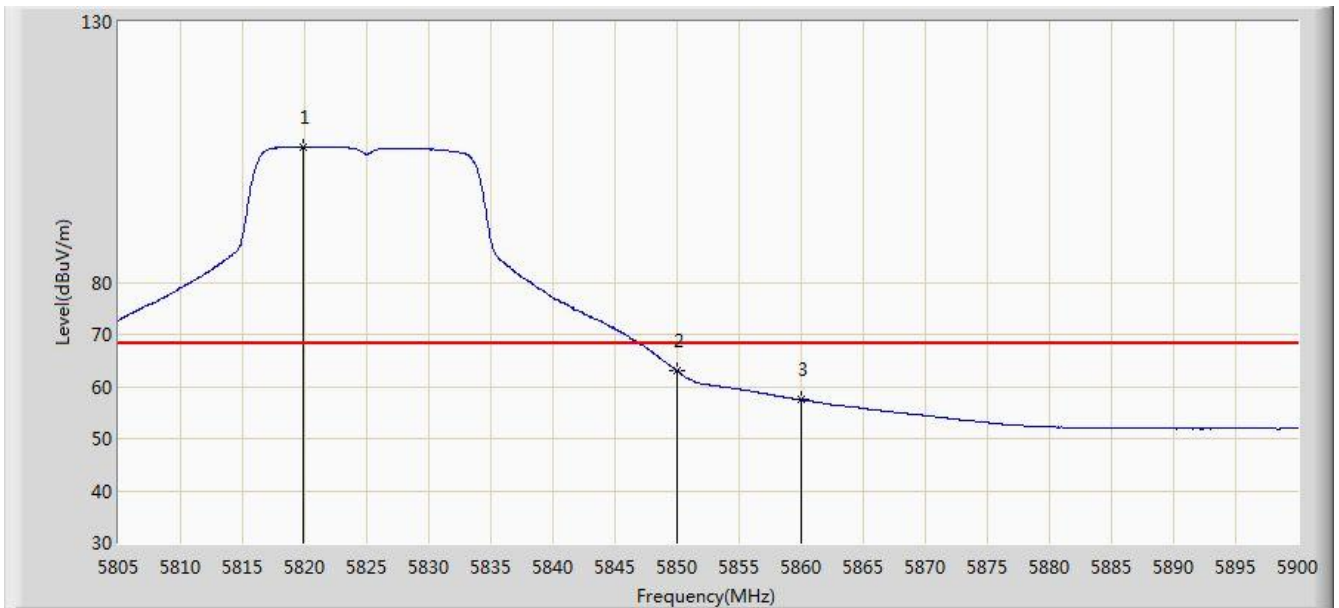
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.868	106.026	68.383	N/A	N/A	37.644	AV
2			5850.000	63.006	25.270	-15.194	78.200	37.736	AV
3			5860.000	57.473	19.699	-10.727	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
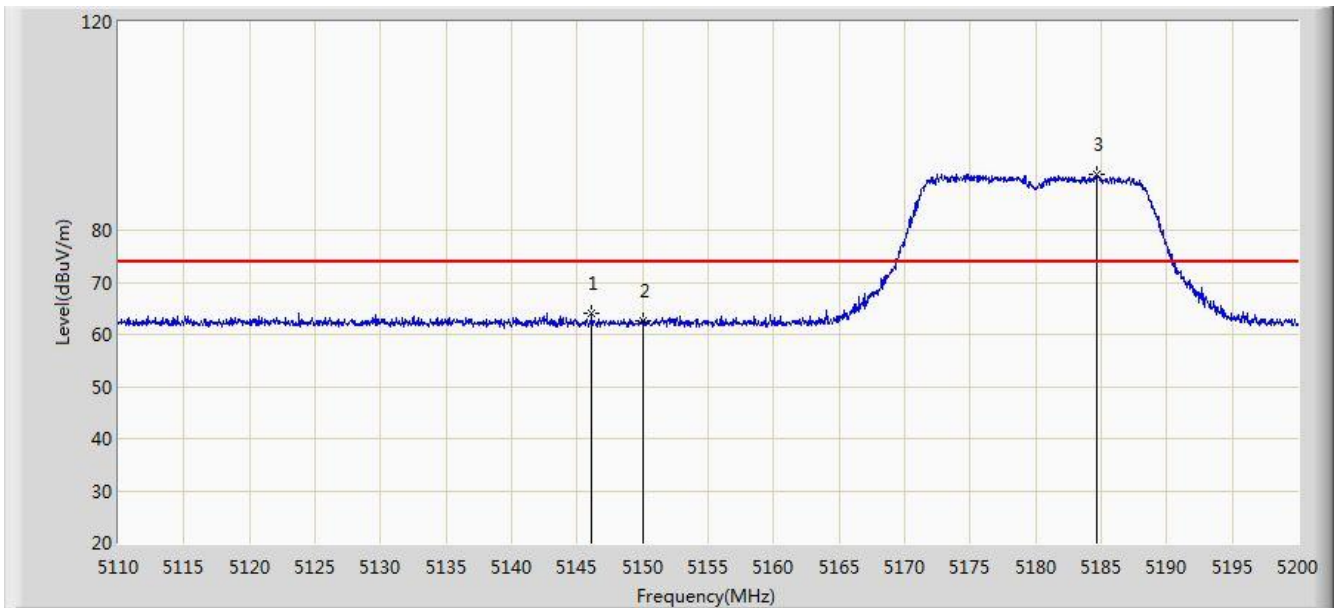
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.135	64.082	27.325	-9.918	74.000	36.757	PK
2			5150.000	62.526	25.774	-11.474	74.000	36.752	PK
3		*	5184.655	90.839	54.187	N/A	N/A	36.652	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
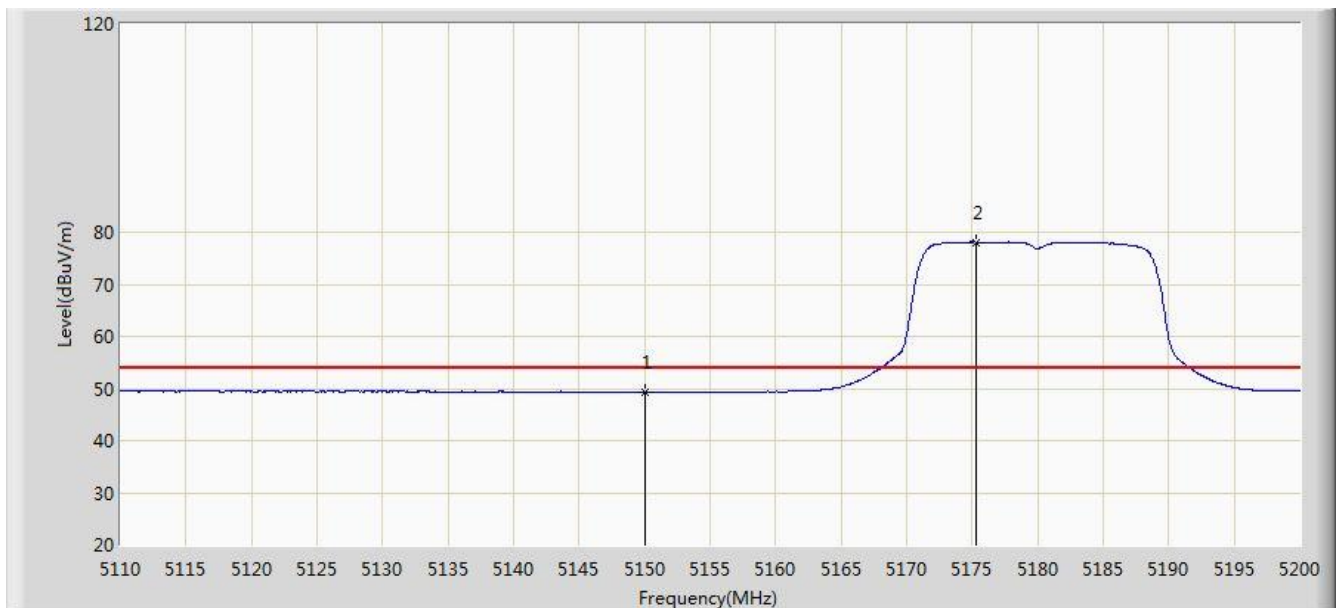
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.382	12.630	-4.618	54.000	36.752	AV
2		*	5175.340	78.077	41.397	N/A	N/A	36.680	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 21:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
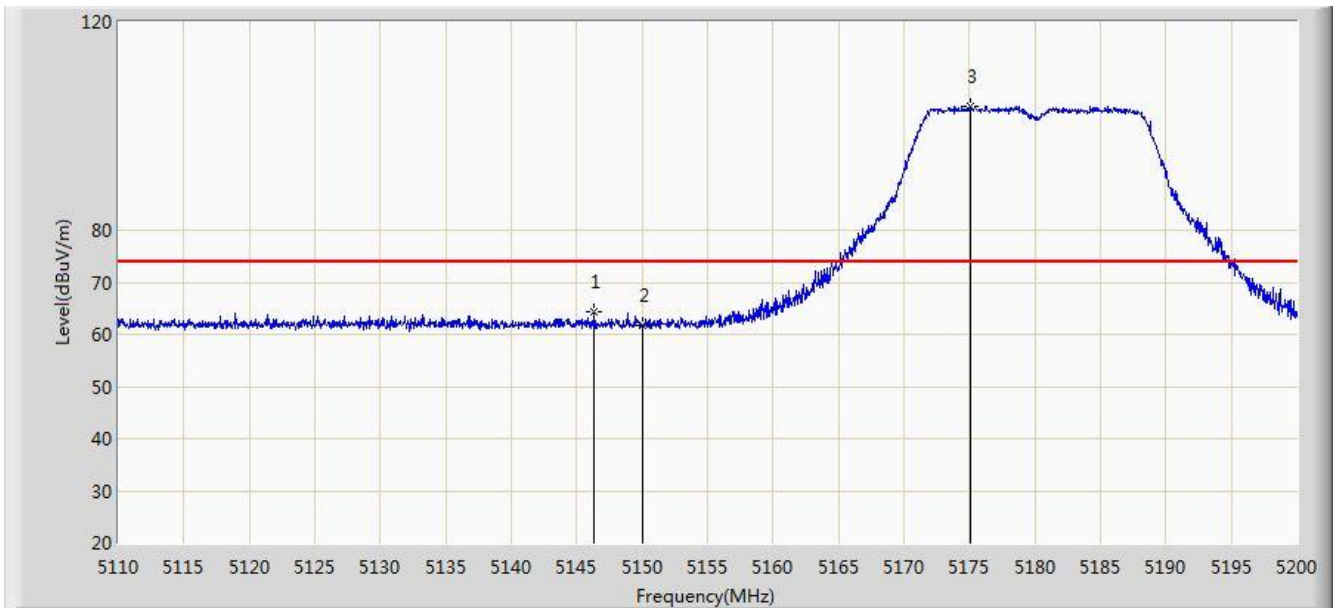
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.360	64.290	27.533	-9.710	74.000	36.757	PK
2			5150.000	61.733	24.981	-12.267	74.000	36.752	PK
3		*	5175.115	103.874	67.193	N/A	N/A	36.681	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	
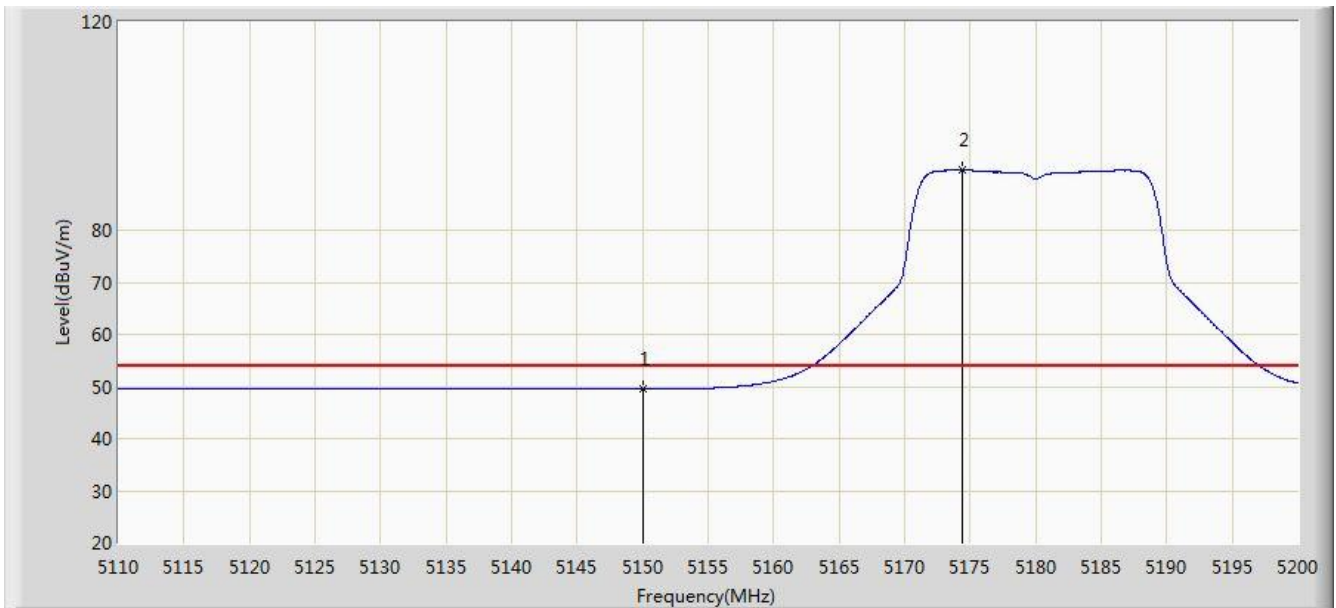
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.468	12.716	-4.532	54.000	36.752	AV
2		*	5174.350	91.484	54.801	N/A	N/A	36.684	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:01
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
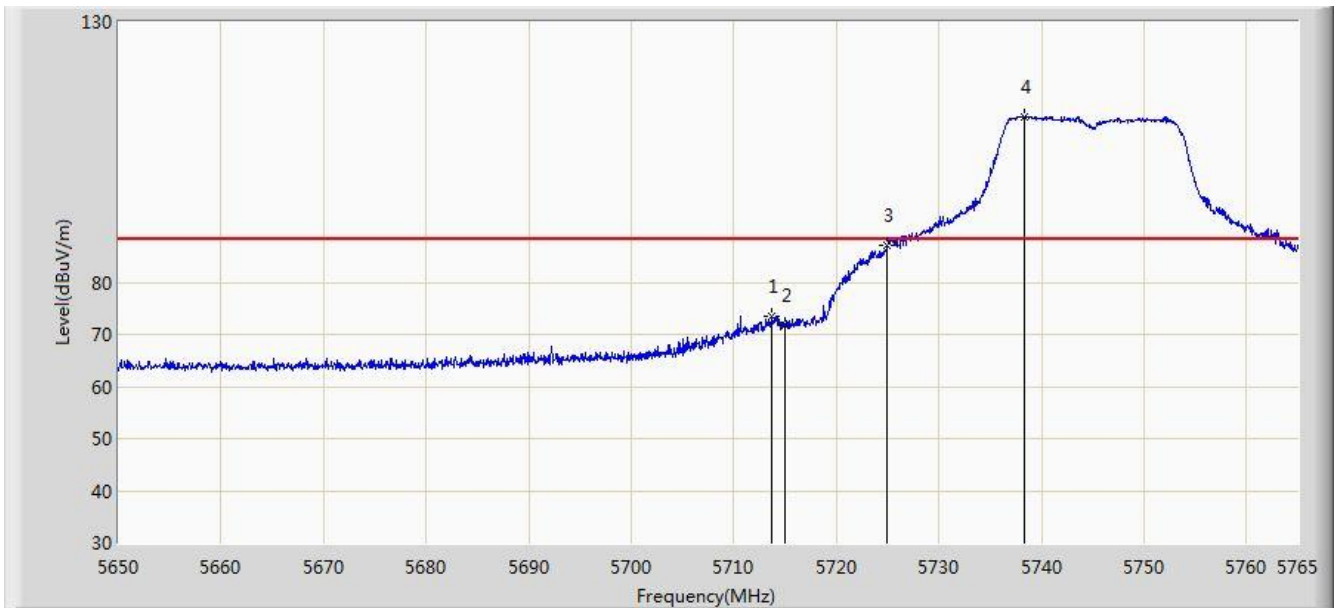
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.768	73.485	36.223	-14.715	88.200	37.262	PK
2			5715.000	71.659	34.392	-16.541	88.200	37.267	PK
3			5725.000	87.127	49.822	-11.073	98.200	37.305	PK
4		*	5738.320	111.843	74.484	N/A	N/A	37.359	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:04
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
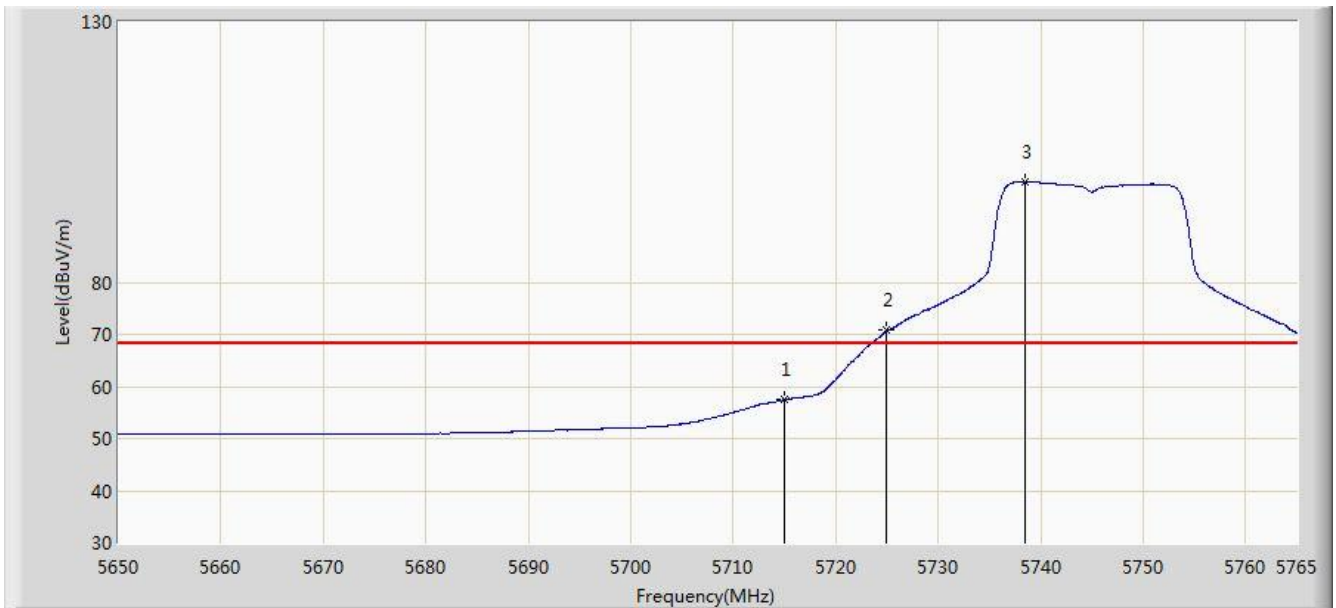
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.438	20.171	-10.762	68.200	37.267	AV
2			5725.000	70.799	33.494	-7.401	78.200	37.305	AV
3		*	5738.493	99.285	61.925	N/A	N/A	37.360	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:05
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
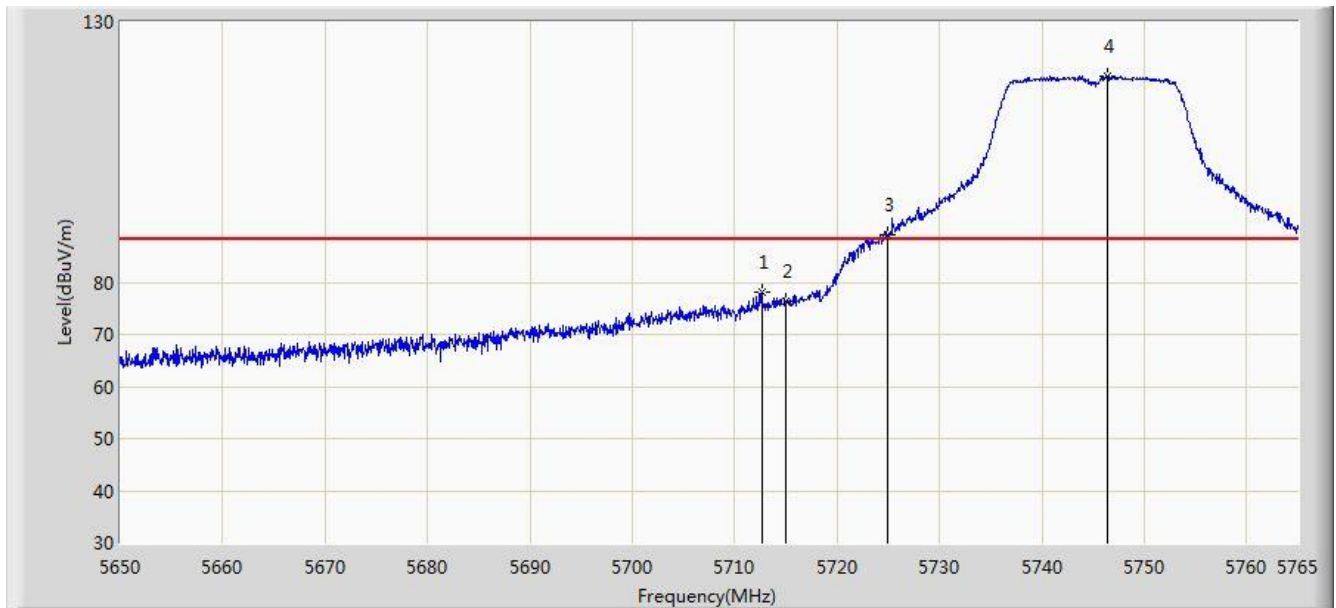
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.675	78.185	40.927	-10.015	88.200	37.258	PK
2			5715.000	76.295	39.028	-11.905	88.200	37.267	PK
3			5725.000	89.109	51.804	-9.091	98.200	37.305	PK
4		*	5746.370	119.626	82.236	N/A	N/A	37.390	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 1	
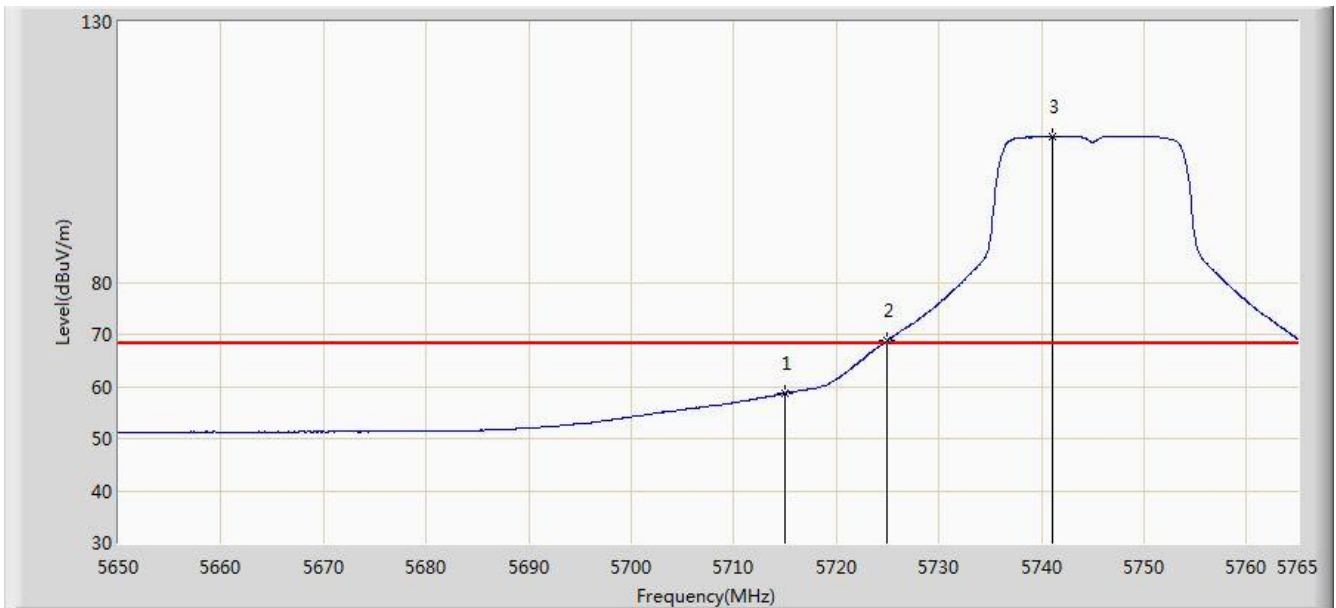
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.761	21.494	-9.439	68.200	37.267	AV
2			5725.000	68.891	31.586	-9.309	78.200	37.305	AV
3		*	5741.138	107.940	70.570	N/A	N/A	37.370	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:10
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	
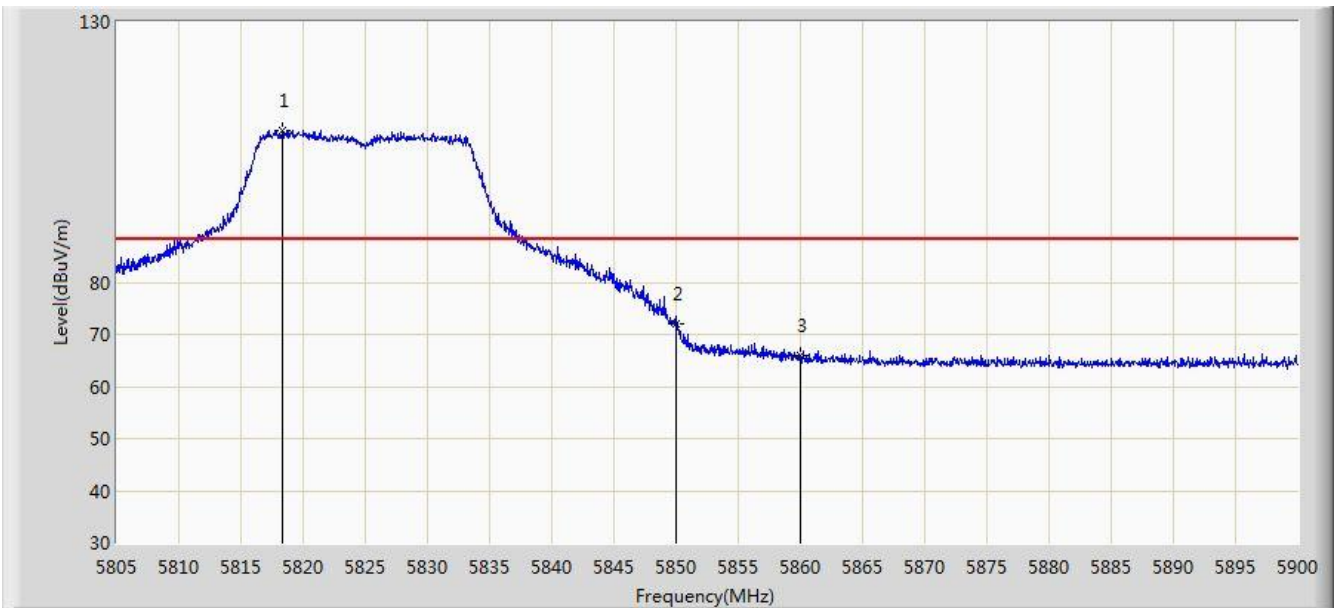
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.348	109.275	71.634	N/A	N/A	37.640	PK
2			5850.000	72.031	34.295	-26.169	98.200	37.736	PK
3			5860.000	65.842	28.068	-22.358	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:12
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	
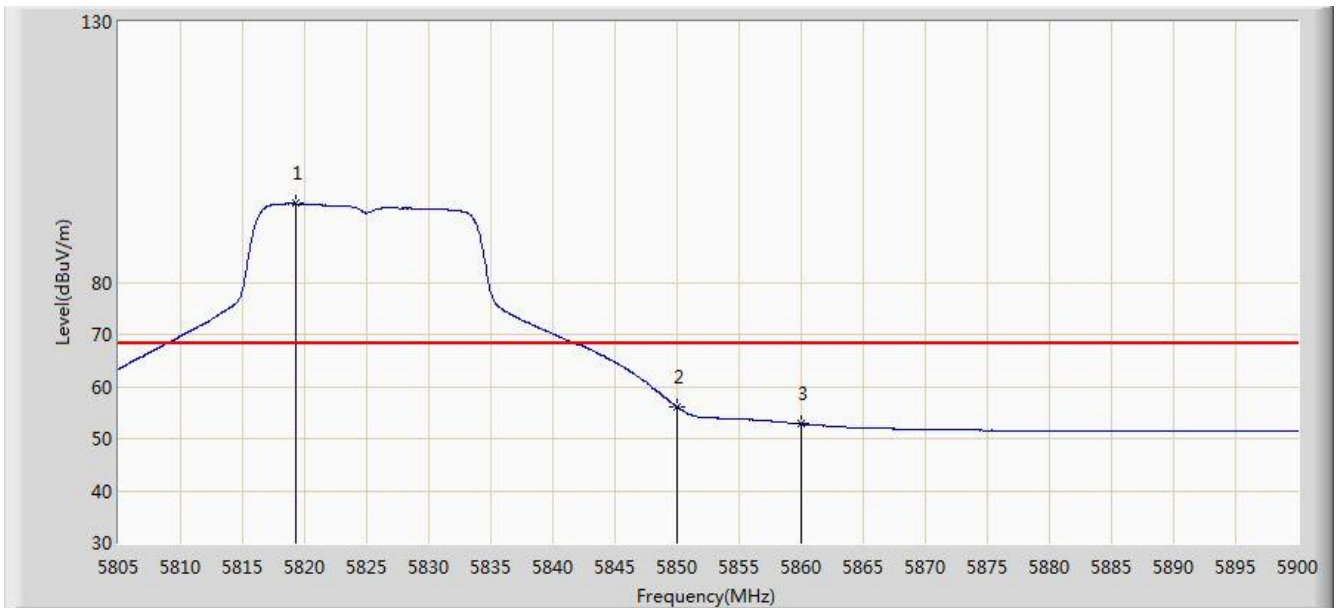
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	95.073	57.431	N/A	N/A	37.643	AV
2			5850.000	56.125	18.389	-22.075	78.200	37.736	AV
3			5860.000	52.844	15.070	-15.356	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

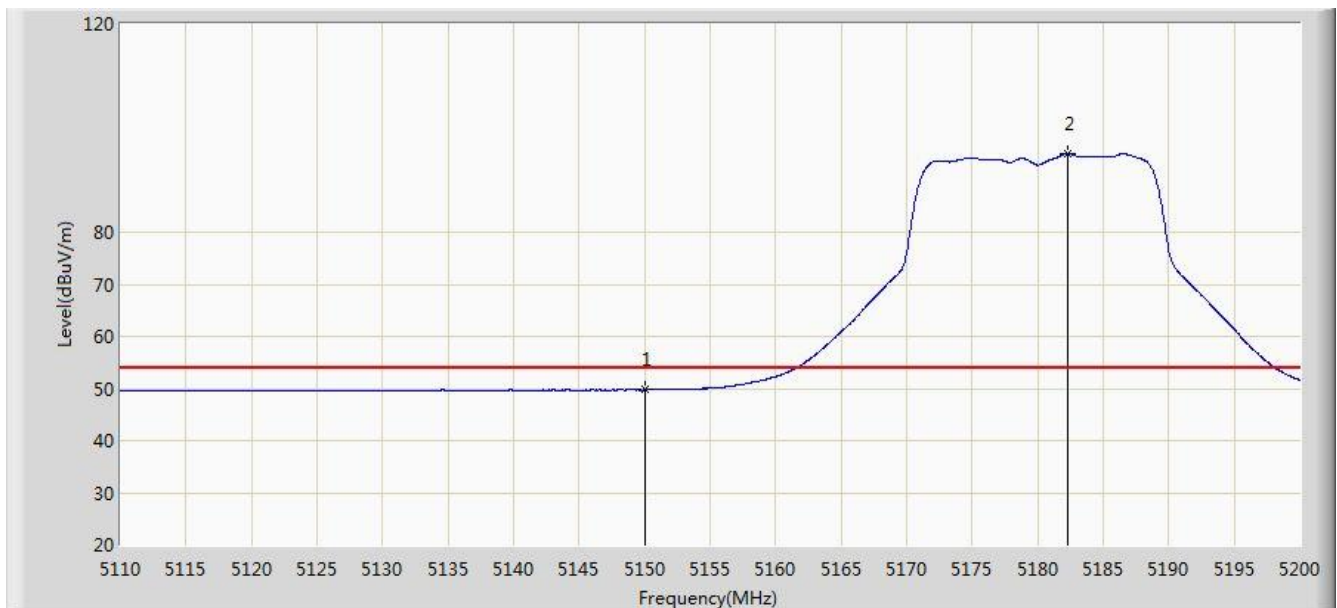| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:13
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	
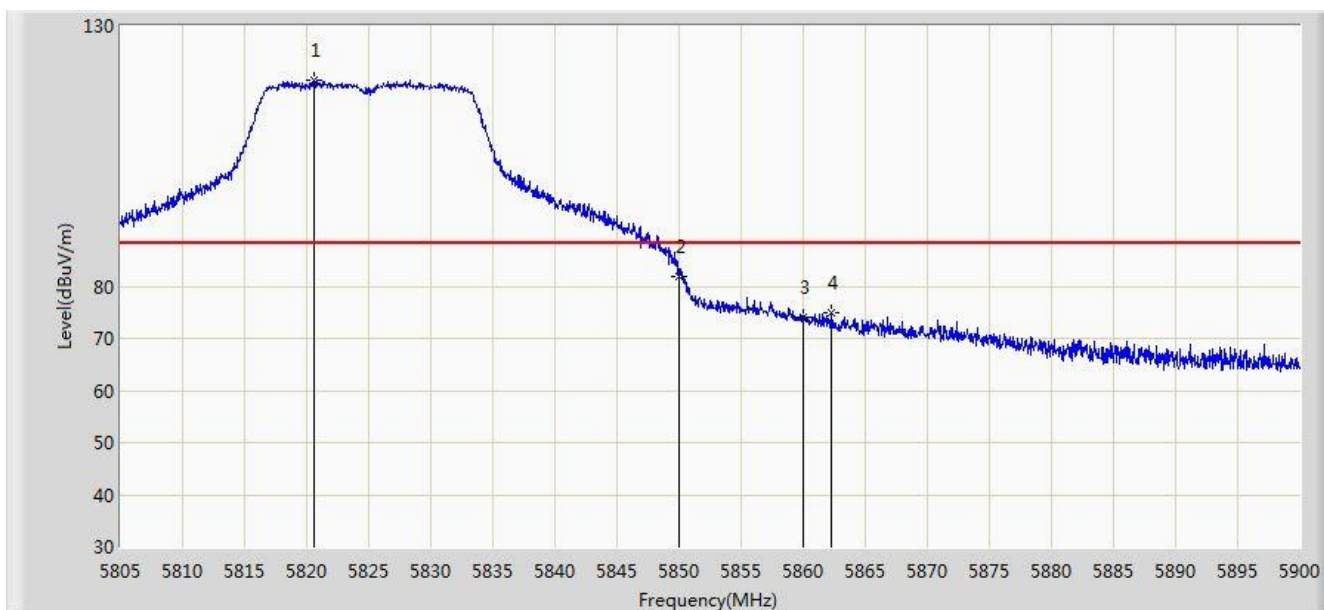
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.580	119.464	81.819	N/A	N/A	37.645	PK
2			5850.000	81.802	44.066	-16.398	98.200	37.736	PK
3			5860.000	73.977	36.203	-14.223	88.200	37.774	PK
4			5862.237	74.897	37.115	-13.303	88.200	37.782	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

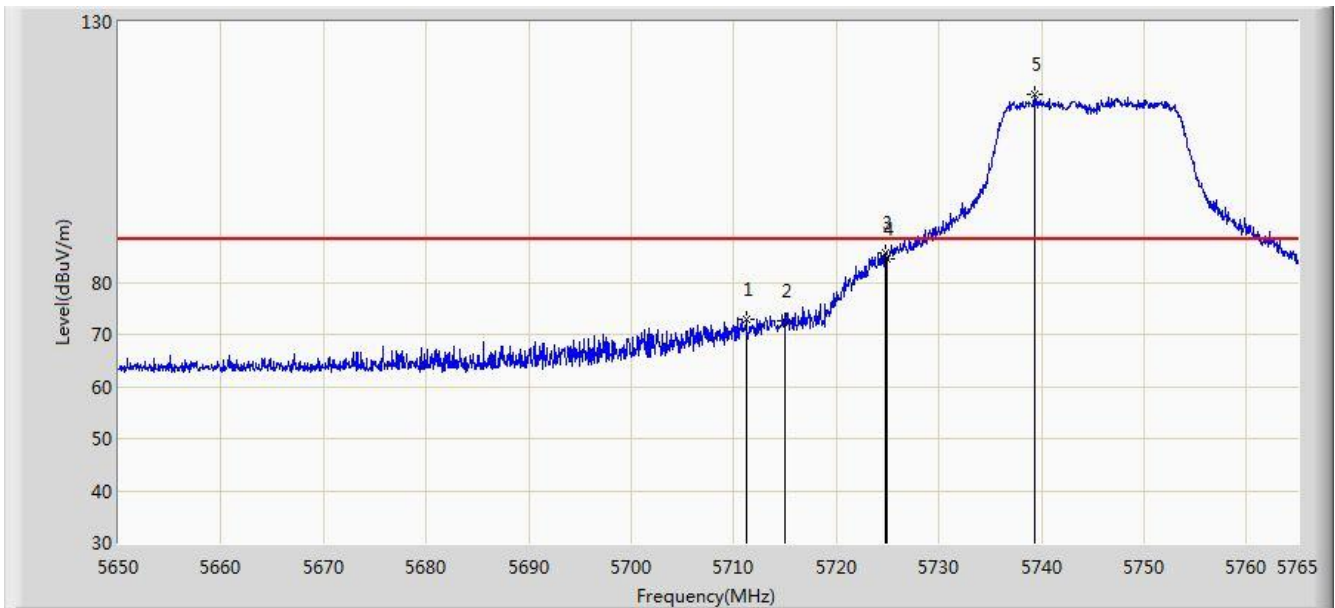| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:14
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 1	
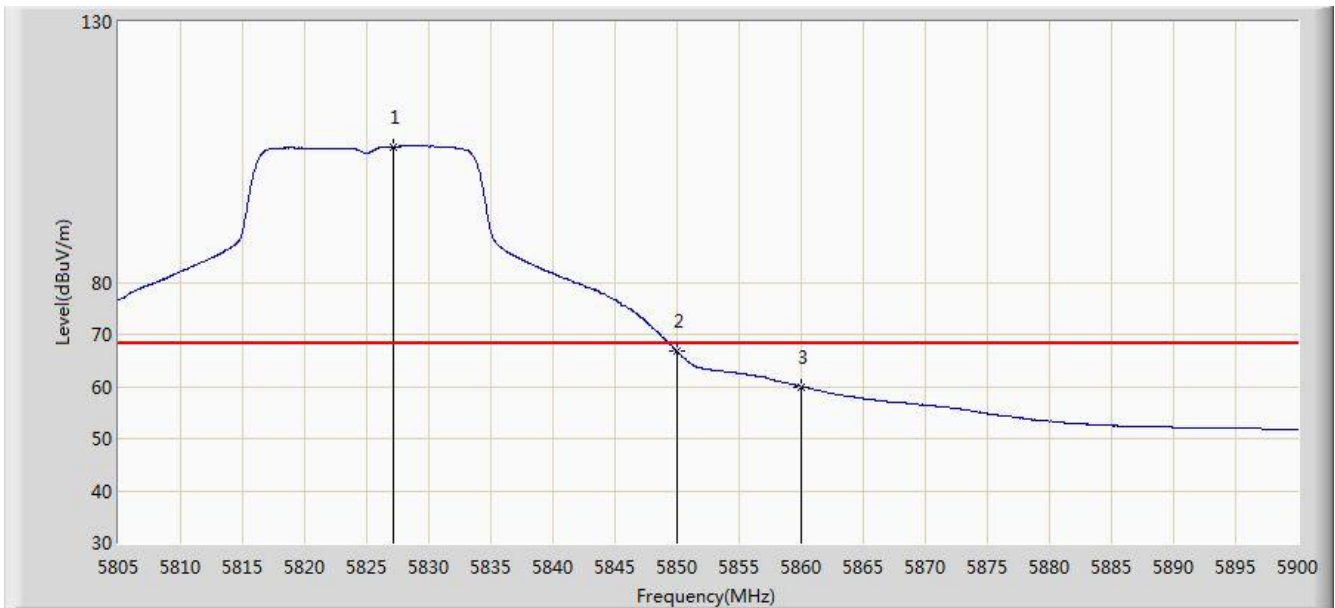
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.135	106.051	68.394	N/A	N/A	37.657	AV
2			5850.000	66.671	28.935	-11.529	78.200	37.736	AV
3			5860.000	59.939	22.165	-8.261	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

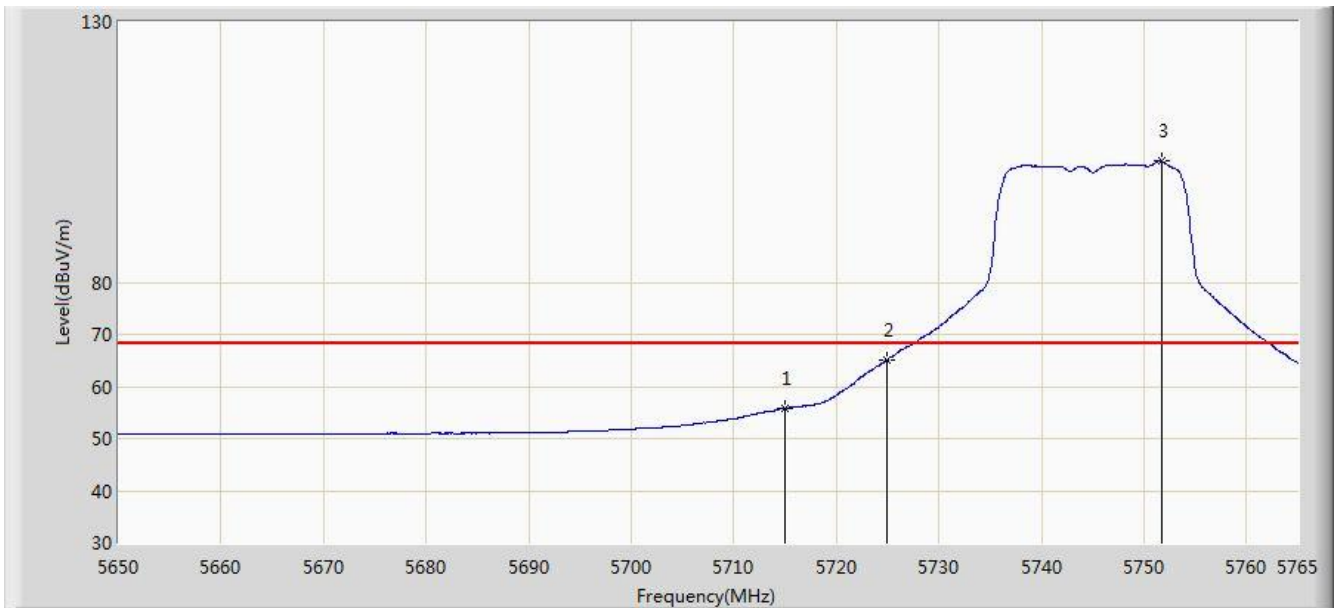| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
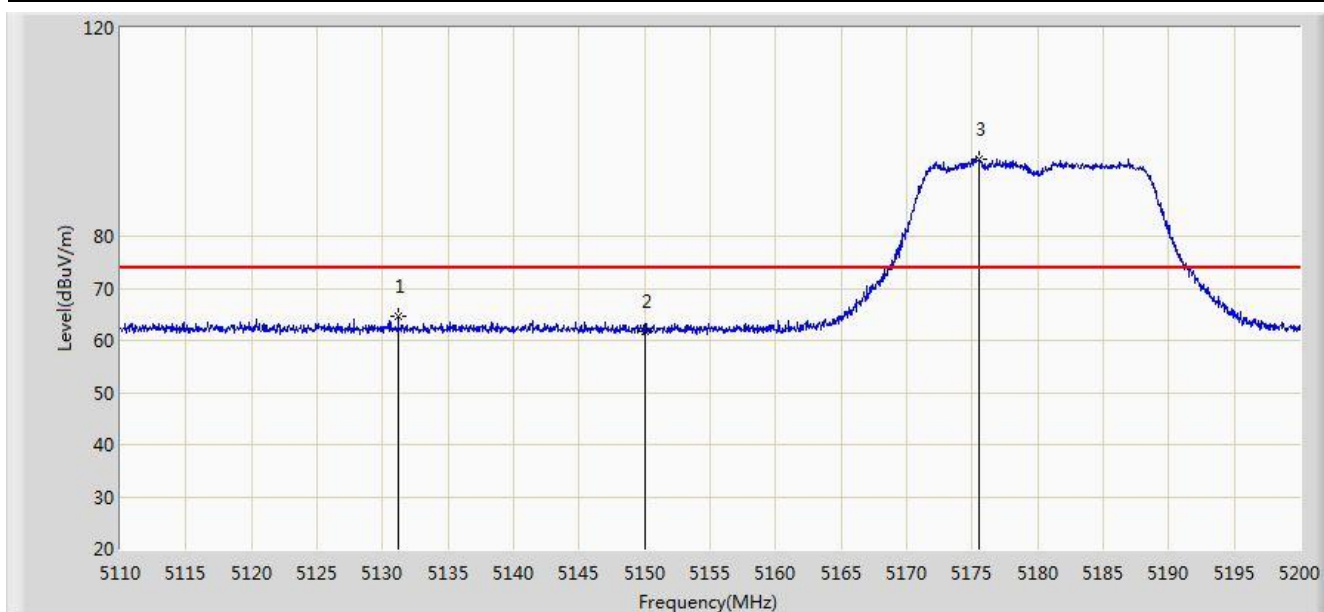
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.195	64.495	27.720	-9.505	74.000	36.775	PK
2			5150.000	61.760	25.008	-12.240	74.000	36.752	PK
3		*	5175.475	94.900	58.220	N/A	N/A	36.680	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
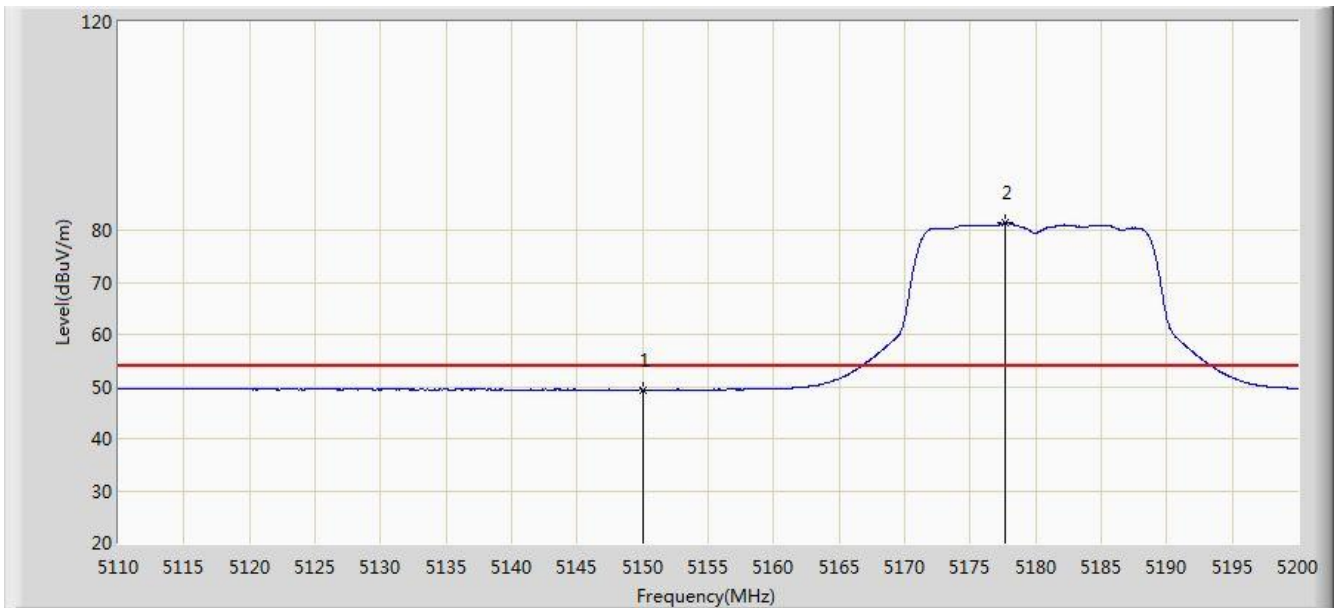
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.407	12.655	-4.593	54.000	36.752	AV
2		*	5177.680	81.373	44.700	N/A	N/A	36.673	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

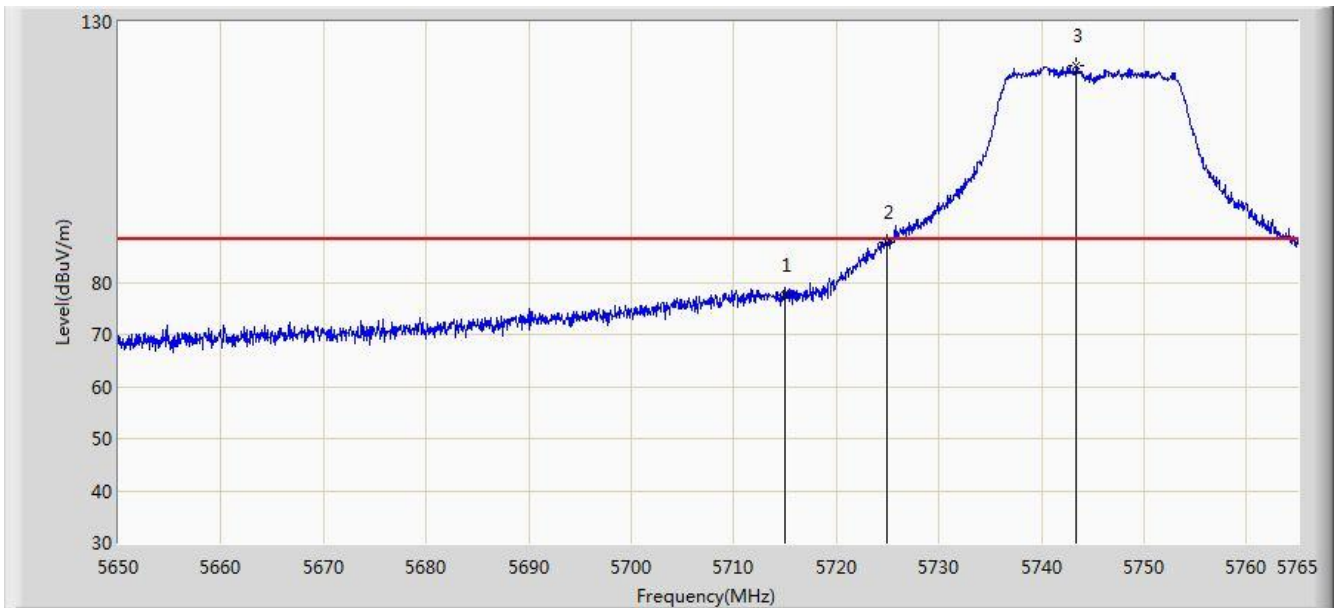| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	
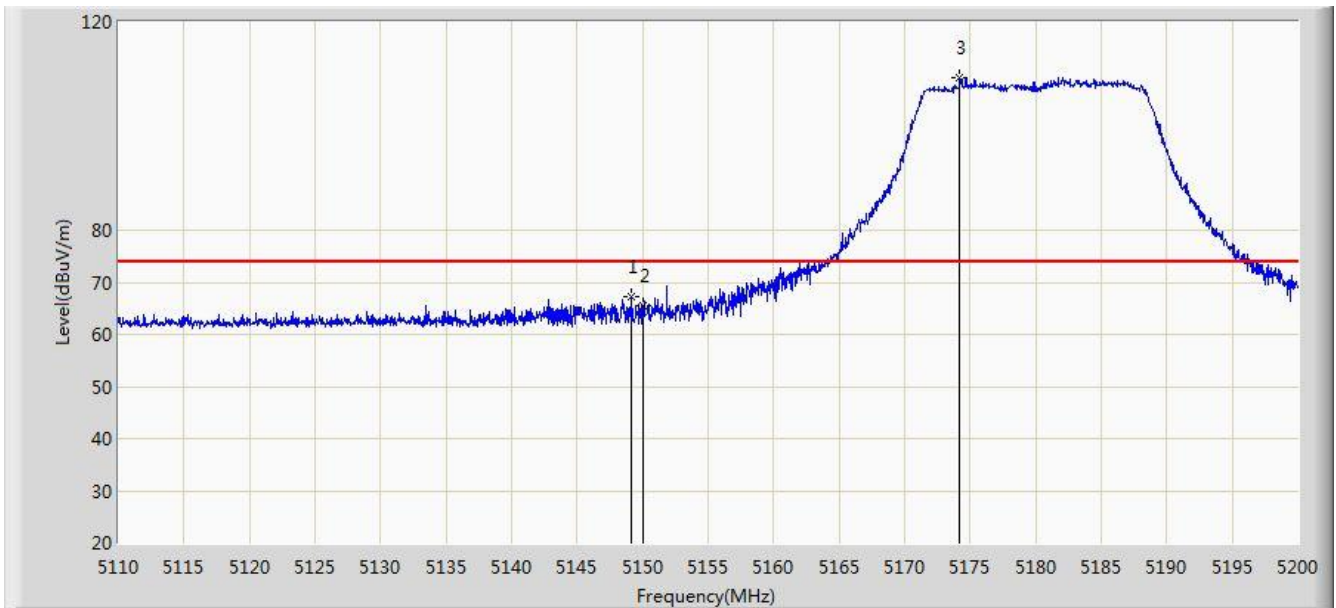
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.105	67.208	30.455	-6.792	74.000	36.753	PK
2			5150.000	65.372	28.620	-8.628	74.000	36.752	PK
3		*	5174.215	109.287	72.603	N/A	N/A	36.684	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

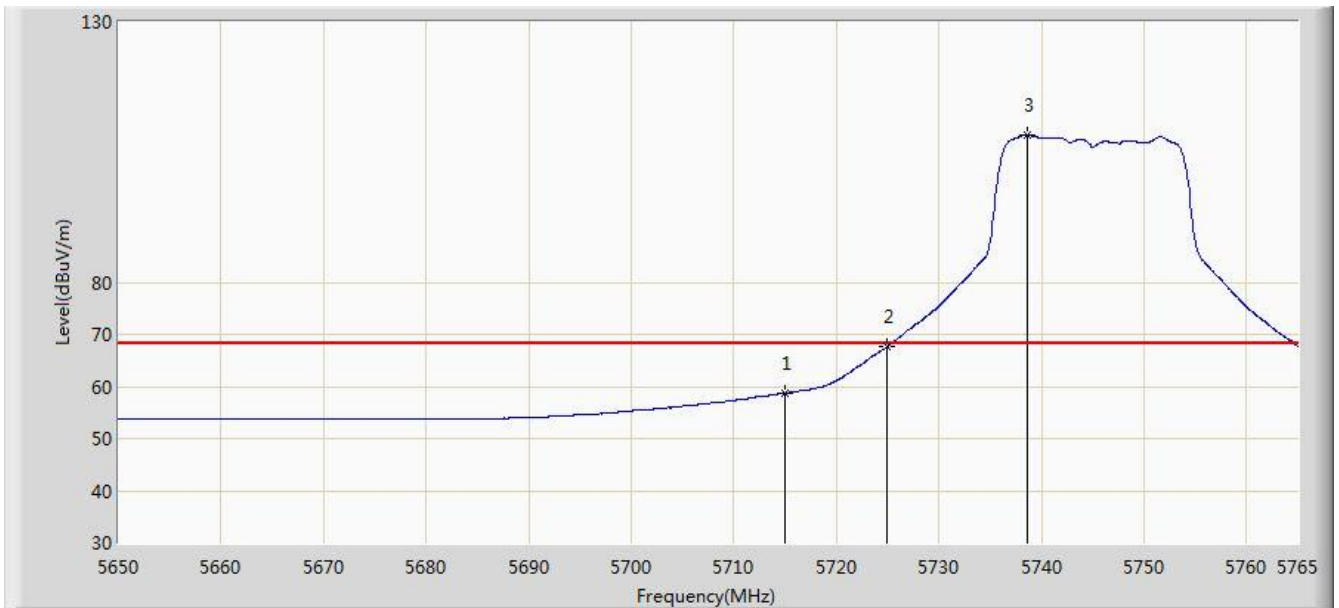| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.717	12.965	-4.283	54.000	36.752	AV
2		*	5182.315	95.034	58.376	N/A	N/A	36.658	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

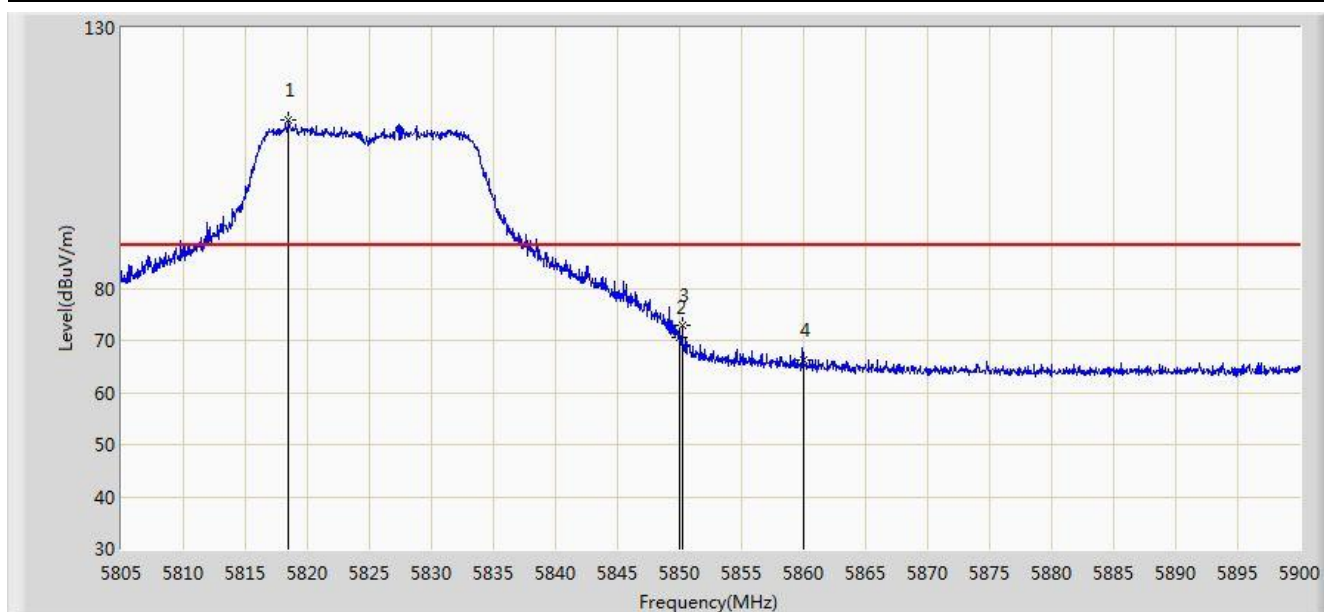| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:19
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5711.180	73.013	35.761	-15.187	88.200	37.252	PK
2			5715.000	72.472	35.205	-15.728	88.200	37.267	PK
3			5724.750	85.538	48.234	-2.662	88.200	37.304	PK
4			5725.000	84.621	47.316	-13.579	98.200	37.305	PK
5		*	5739.297	115.997	78.634	N/A	N/A	37.362	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.871	18.604	-12.329	68.200	37.267	AV
2			5725.000	65.178	27.873	-13.022	78.200	37.305	AV
3		*	5751.717	103.206	65.795	N/A	N/A	37.411	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:24
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	77.488	40.221	-10.712	88.200	37.267	PK
2			5725.000	87.687	50.382	-10.513	98.200	37.305	PK
3		*	5743.380	121.521	84.143	N/A	N/A	37.378	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:29
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.702	21.435	-9.498	68.200	37.267	AV
2			5725.000	67.607	30.302	-10.593	78.200	37.305	AV
3		*	5738.665	108.356	70.996	N/A	N/A	37.360	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:29
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.490	112.354	74.713	N/A	N/A	37.641	PK
2			5850.000	70.441	32.705	-27.759	98.200	37.736	PK
3			5850.220	72.769	35.032	-25.431	98.200	37.737	PK
4			5860.000	66.322	28.548	-21.878	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:31
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
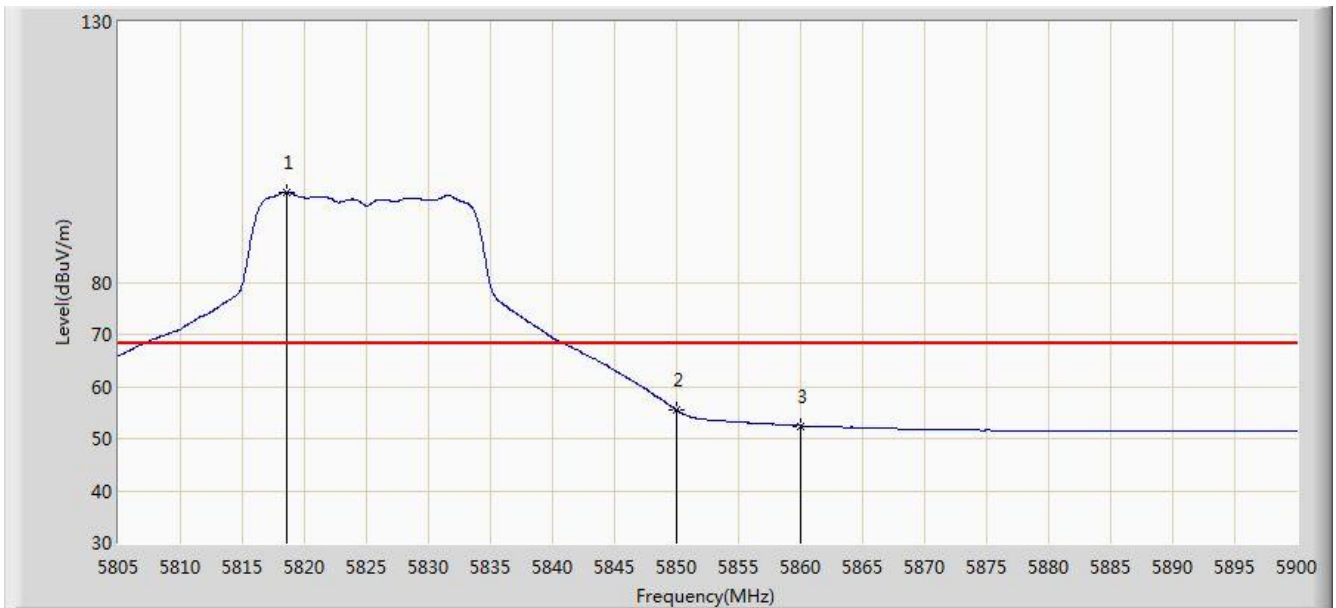
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.538	97.314	59.673	N/A	N/A	37.641	AV
2			5850.000	55.464	17.728	-22.736	78.200	37.736	AV
3			5860.000	52.461	14.687	-15.739	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:32
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
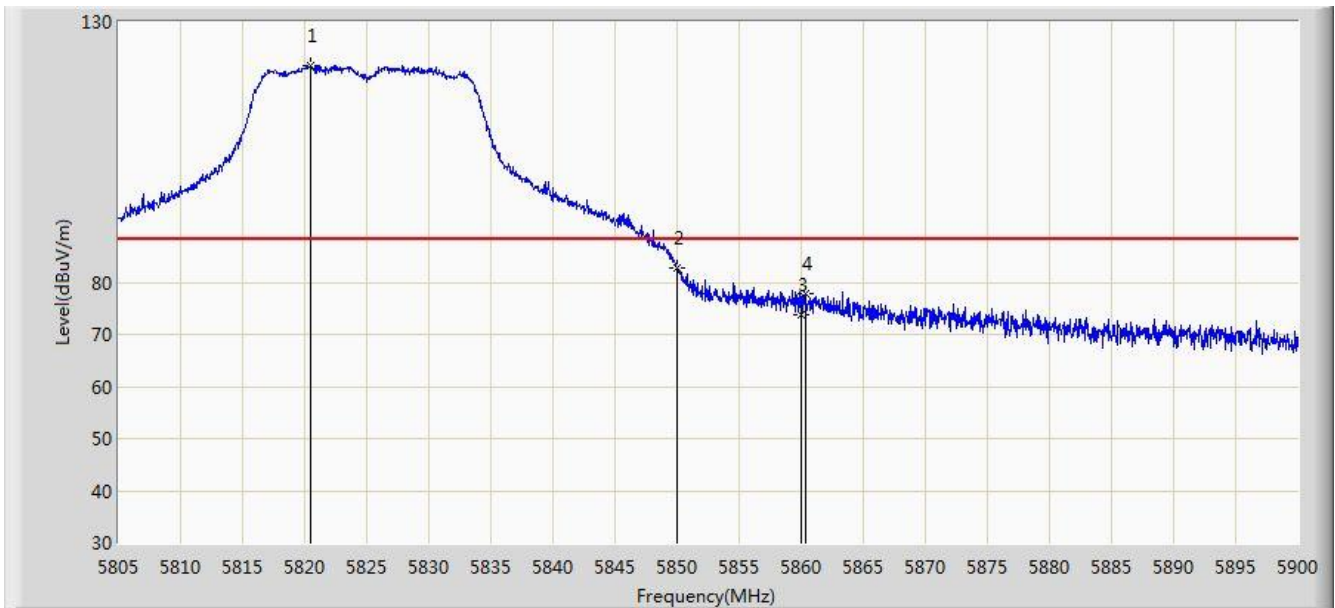
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.437	121.467	83.822	N/A	N/A	37.644	PK
2			5850.000	82.752	45.016	-15.448	988.200	37.736	PK
3			5860.000	73.671	35.897	-14.529	88.200	37.774	PK
4			5860.337	77.877	40.102	-10.323	88.200	37.776	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0+1	
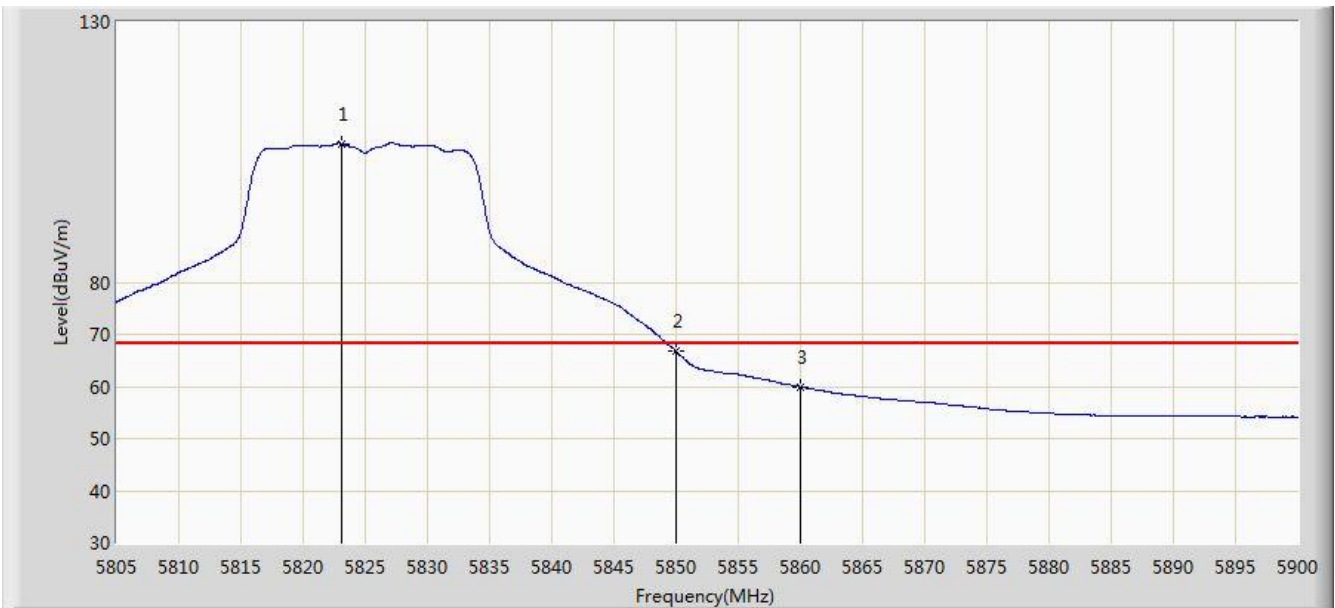
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.145	106.559	68.909	N/A	N/A	37.650	AV
2			5850.000	66.752	29.016	-11.448	78.200	37.736	AV
3			5860.000	59.929	22.155	-8.271	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
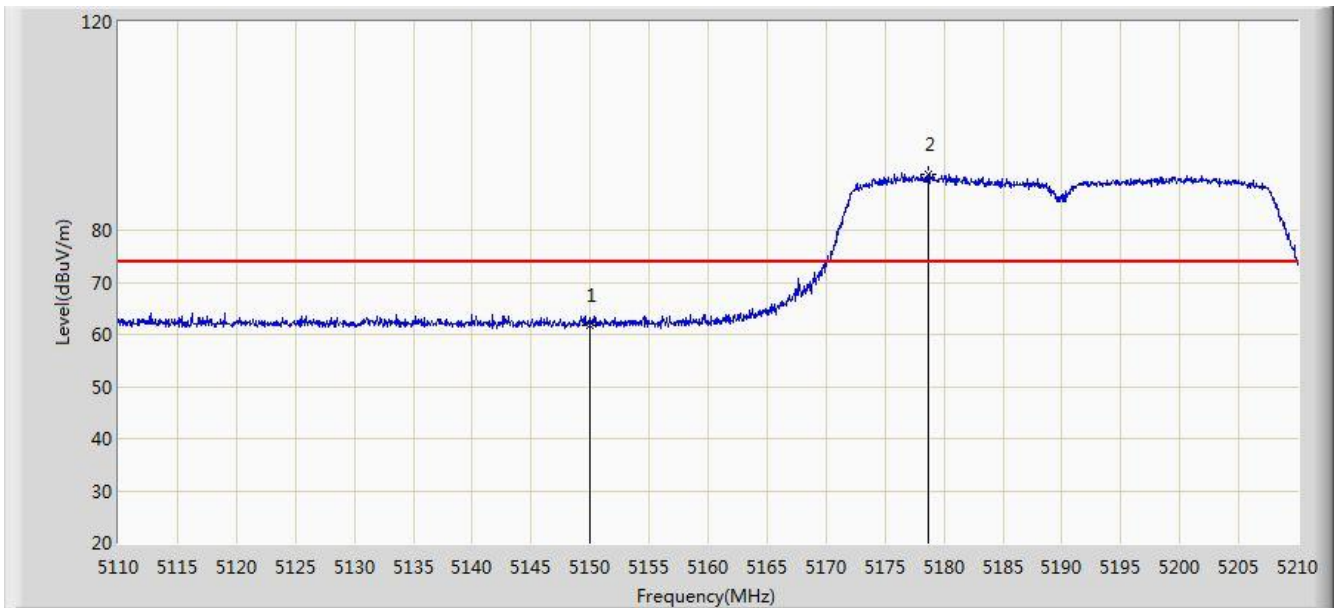
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.824	25.072	-12.176	74.000	36.752	PK
2		*	5178.700	90.708	54.038	N/A	N/A	36.670	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
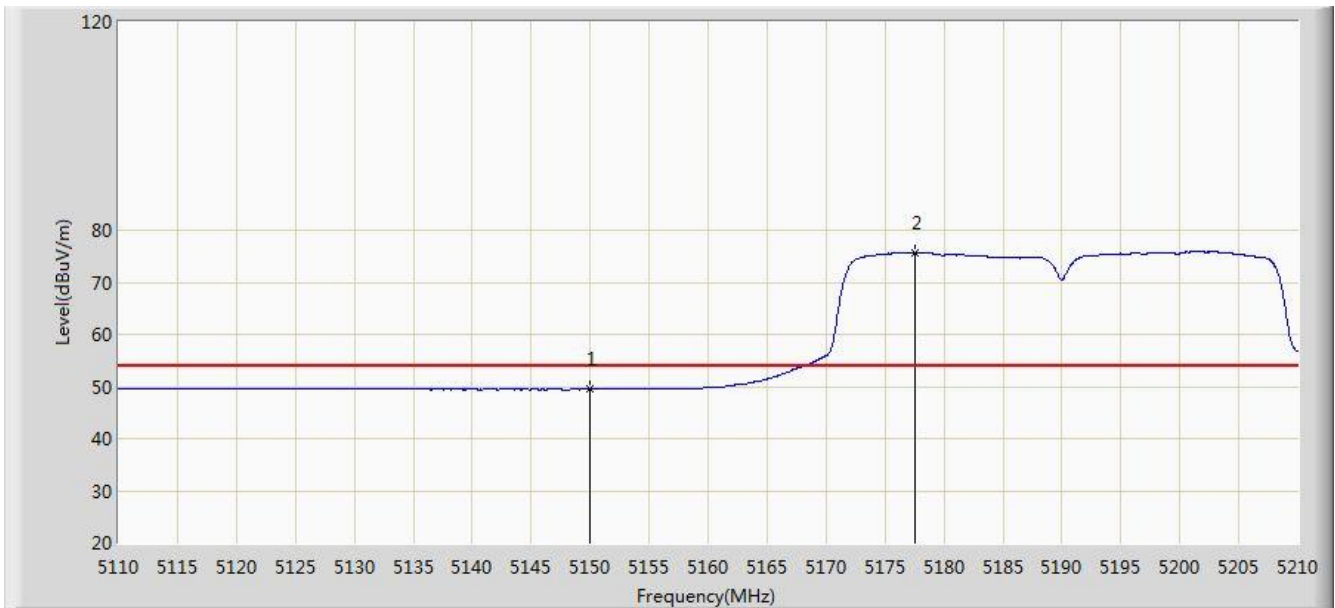
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.466	12.714	-4.534	54.000	36.752	AV
2		*	5177.550	75.752	39.079	N/A	N/A	36.674	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
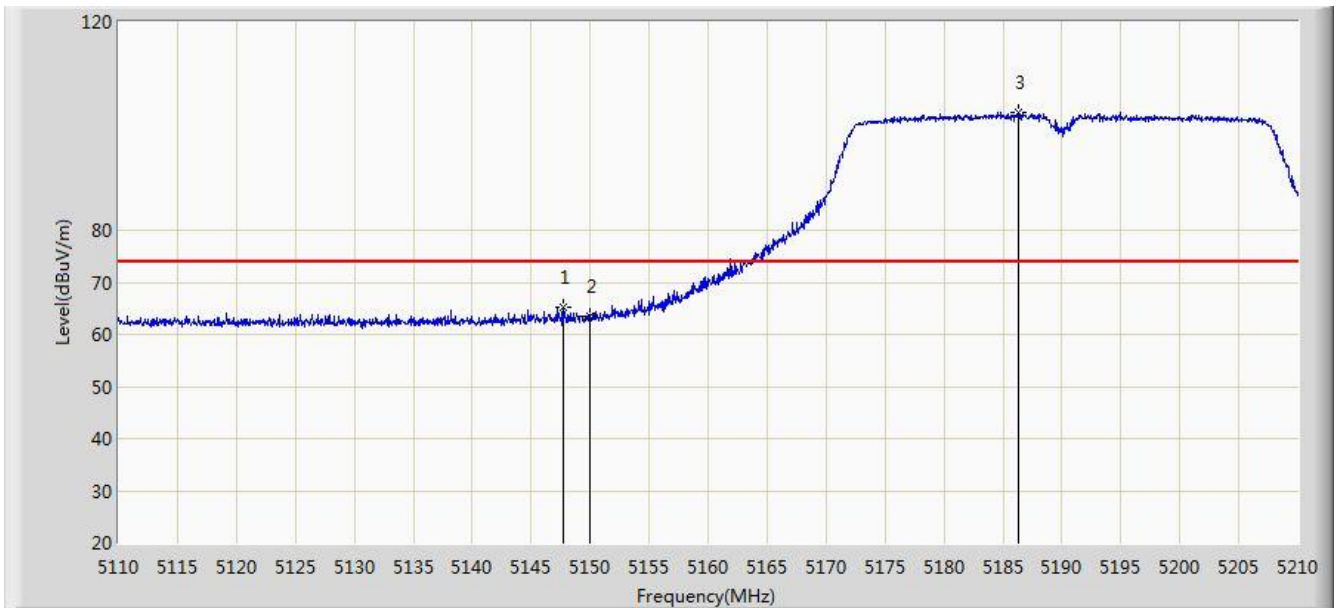
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.700	65.350	28.595	-8.650	74.000	36.755	PK
2			5150.000	63.464	26.712	-10.536	74.000	36.752	PK
3		*	5186.300	102.580	65.933	N/A	N/A	36.647	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	
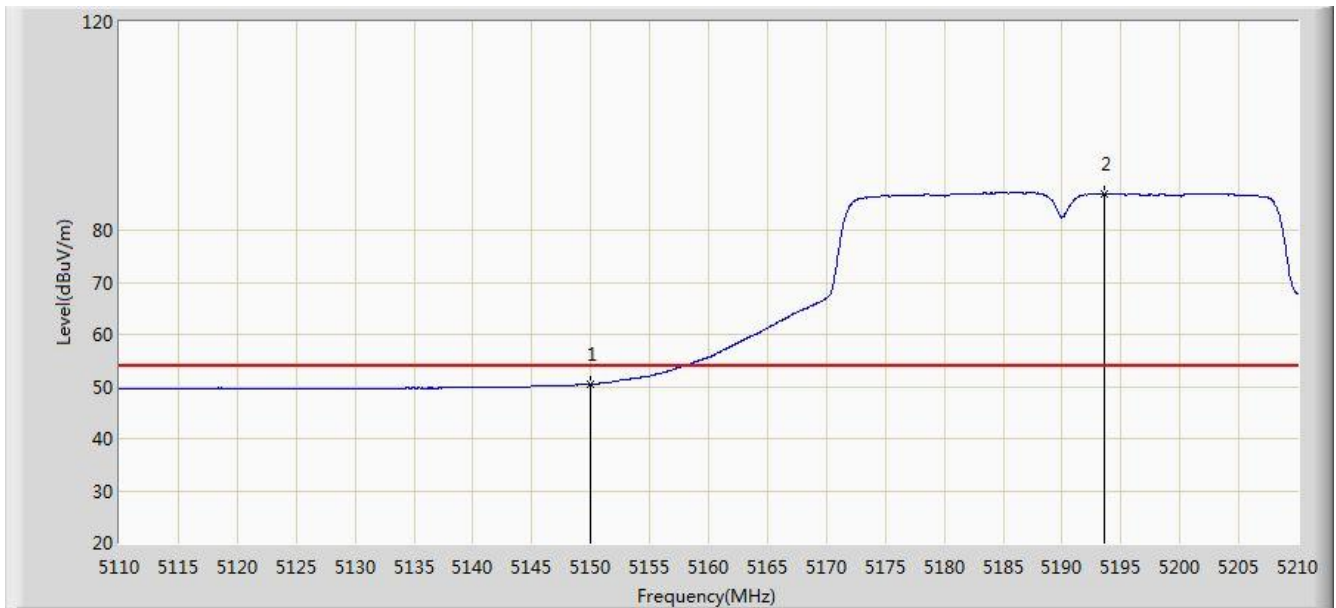
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.467	13.715	-3.533	54.000	36.752	AV
2		*	5193.550	86.933	50.305	N/A	N/A	36.628	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:40
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
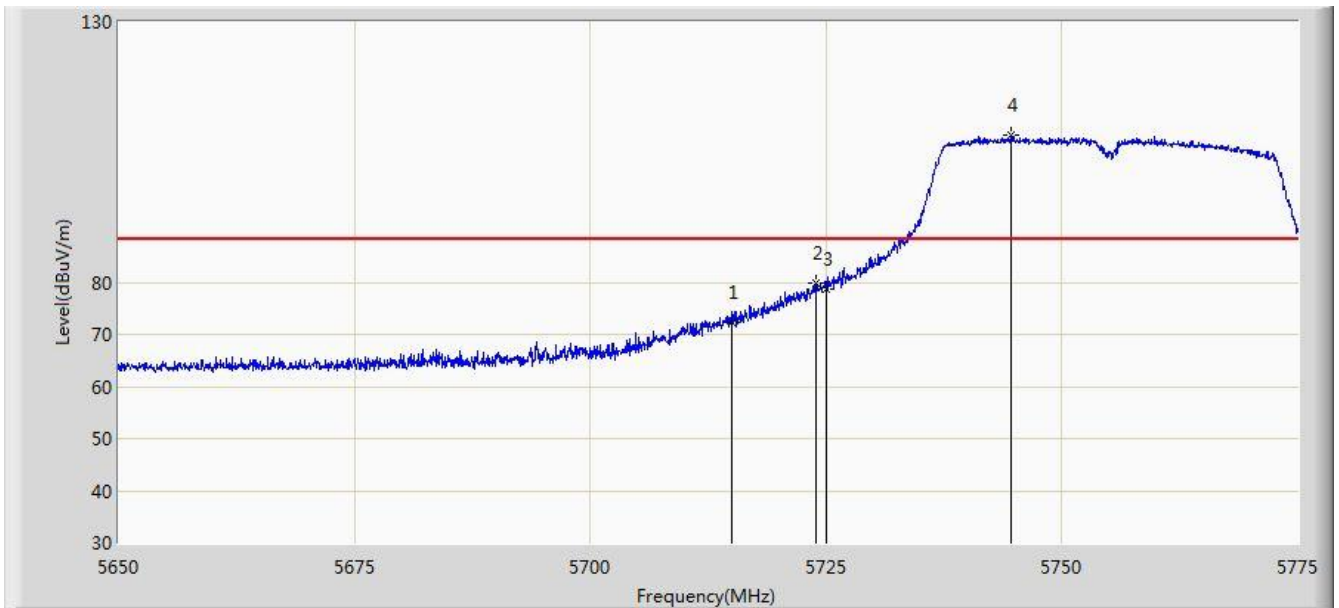
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.403	35.136	-15.797	88.200	37.267	PK
2			5723.937	79.726	42.425	-18.474	98.200	37.301	PK
3			5725.000	78.686	41.381	-19.514	98.200	37.305	PK
4		*	5744.625	108.133	70.750	N/A	N/A	37.383	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
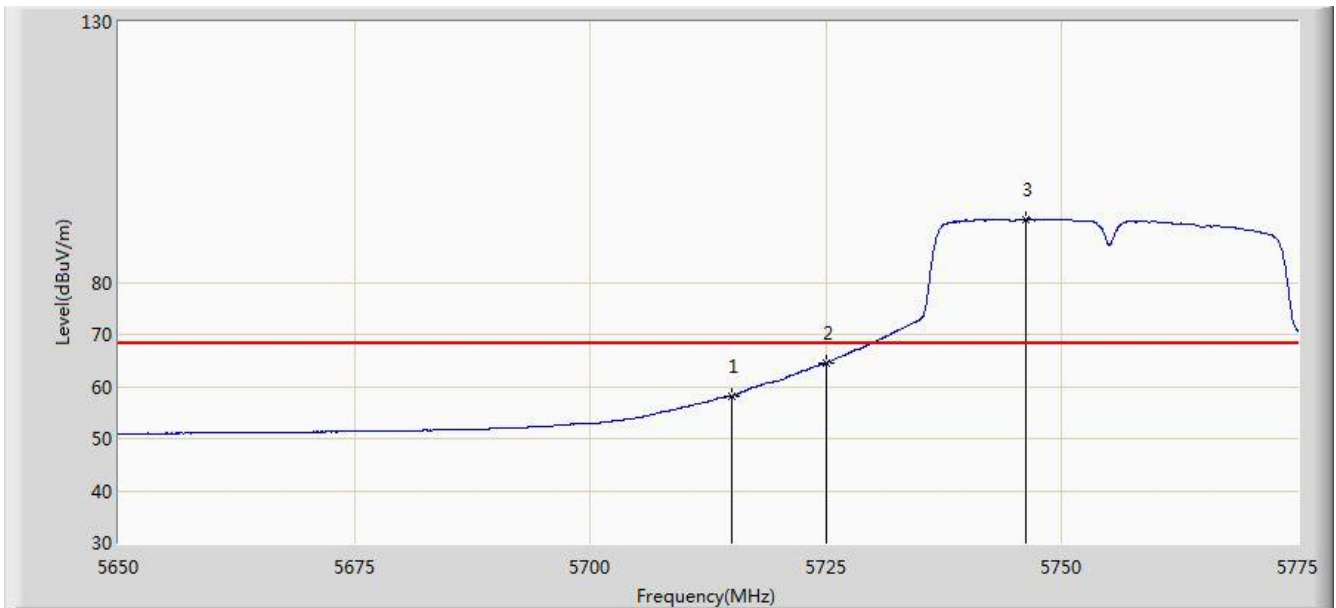
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.239	20.972	-9.961	68.200	37.267	AV
2			5725.000	64.516	27.211	-13.684	78.200	37.305	AV
3		*	5746.187	92.105	54.716	N/A	N/A	37.389	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:43
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
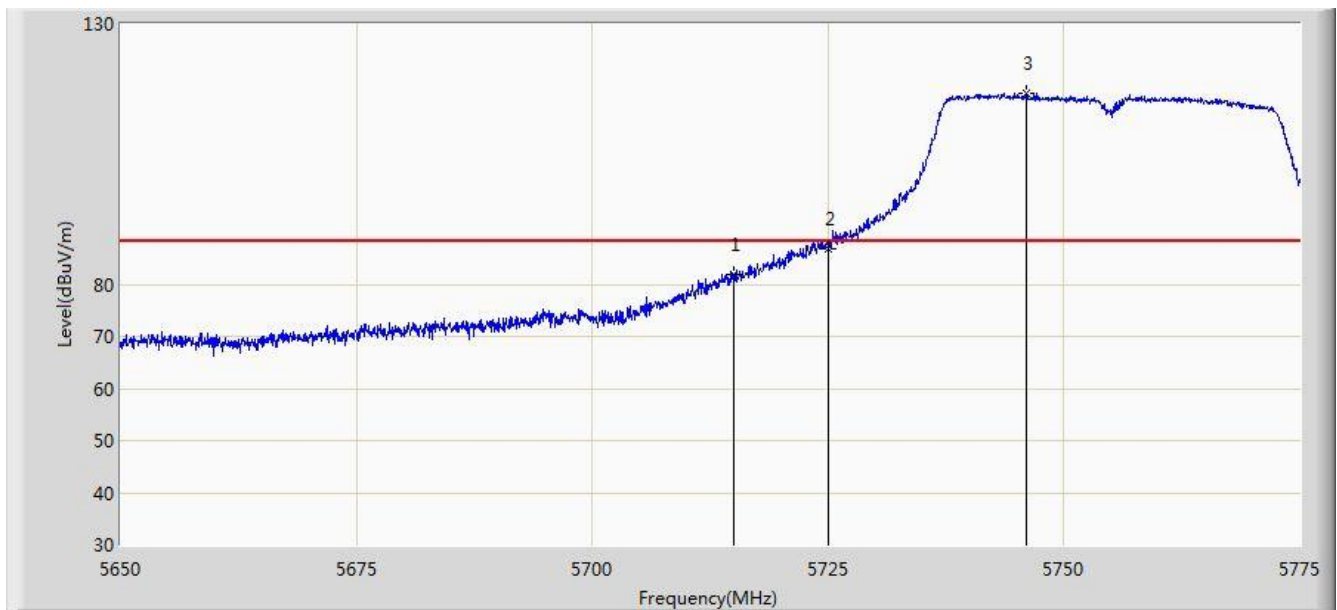
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	81.764	44.497	-6.436	88.200	37.267	PK
2			5725.000	86.699	49.394	-11.501	98.200	37.305	PK
3		*	5746.000	116.741	79.353	N/A	N/A	37.389	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:46
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	
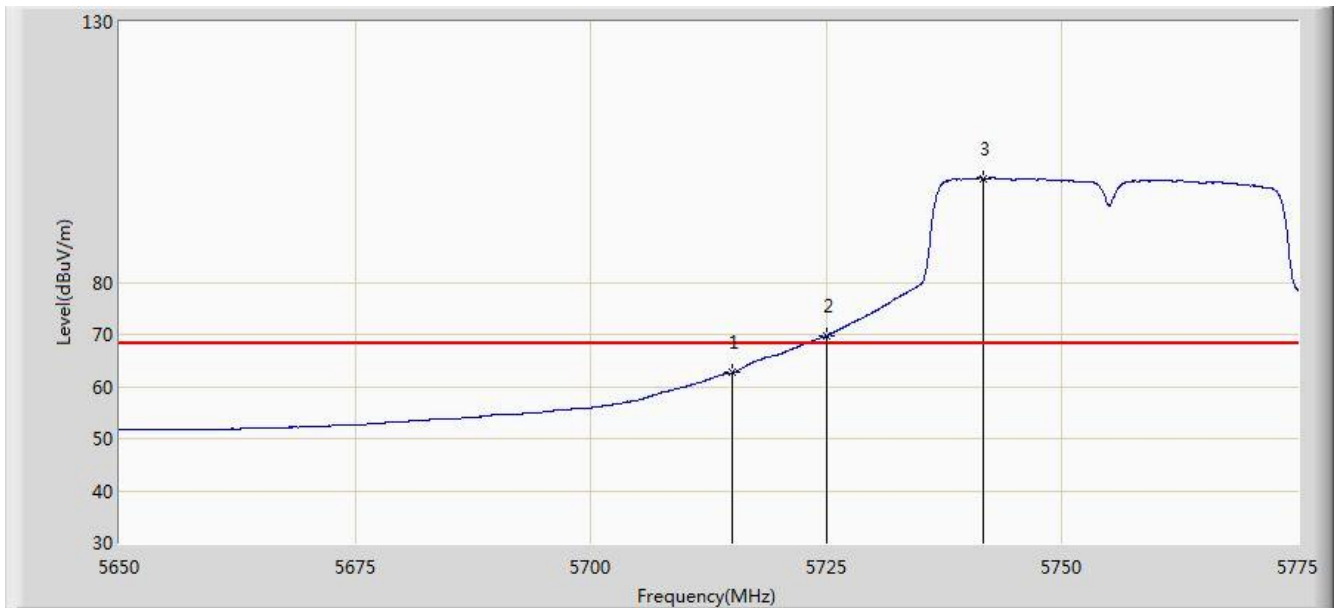
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.646	25.379	-5.554	68.200	37.267	AV
2			5725.000	69.743	32.438	-8.457	78.200	37.305	AV
3		*	5741.687	99.924	62.552	N/A	N/A	37.372	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
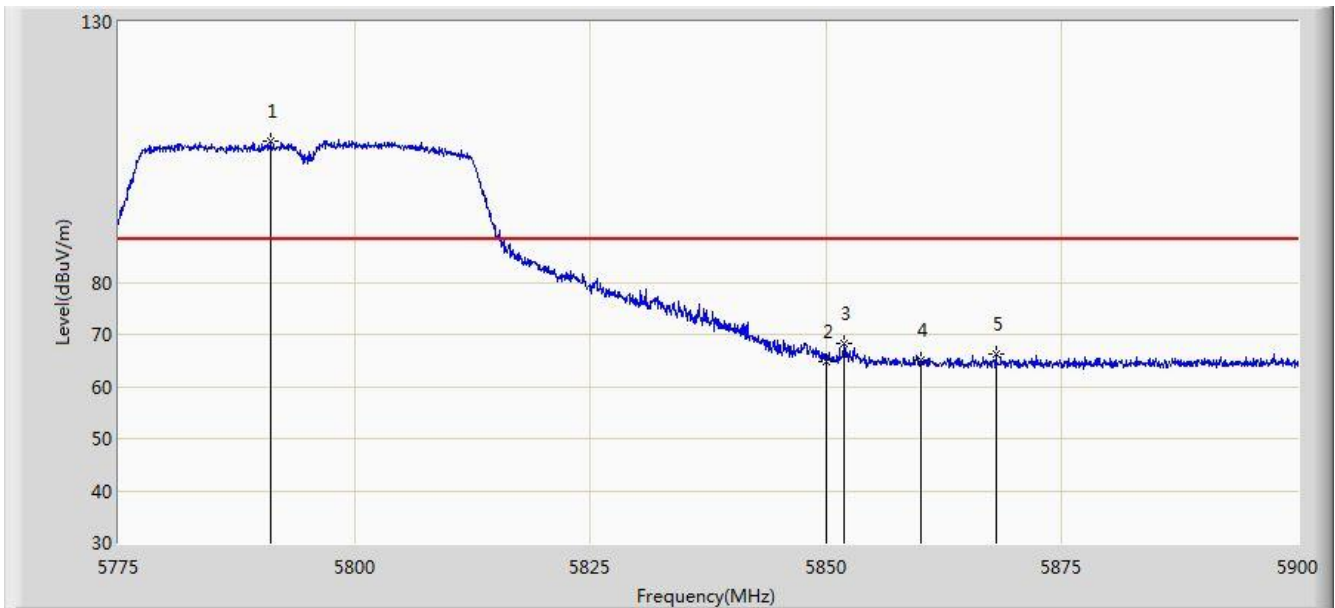
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.062	107.116	69.555	N/A	N/A	37.561	PK
2			5850.000	64.787	27.051	-33.413	98.200	37.736	PK
3			5851.875	68.194	30.451	-30.006	98.200	37.743	PK
4			5860.000	64.976	27.202	-23.224	88.200	37.774	PK
5			5868.000	66.289	28.496	-21.911	88.200	37.793	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:51
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
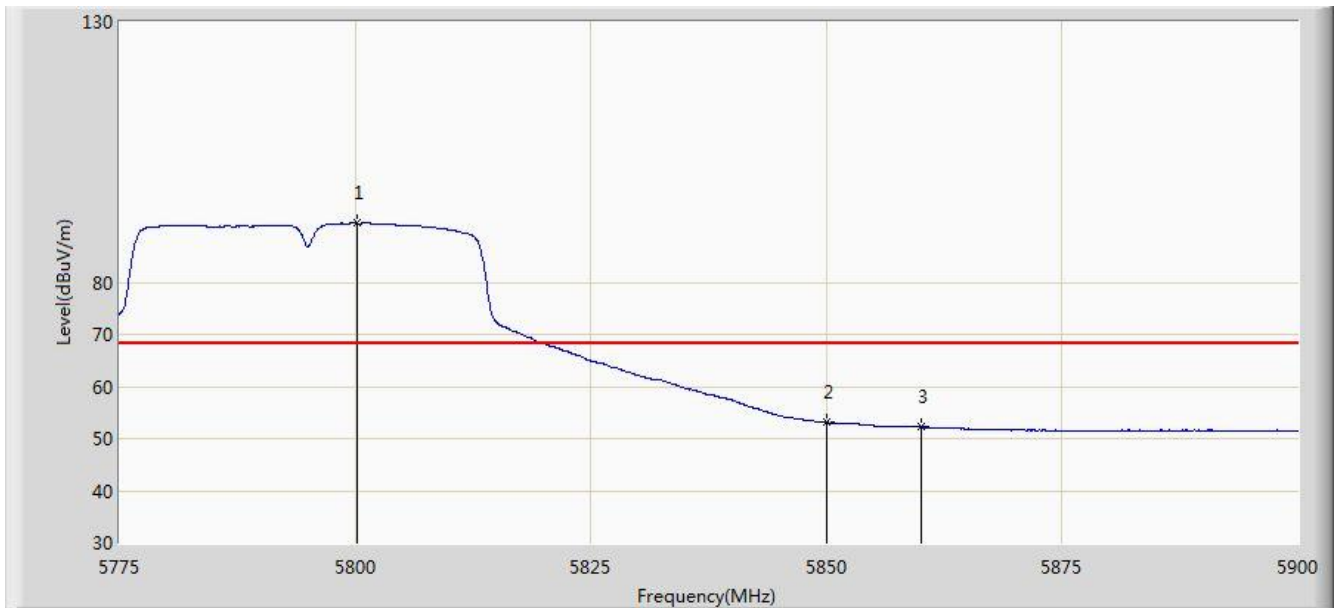
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5800.187	91.346	53.754	N/A	N/A	37.592	AV
2			5850.000	53.085	15.349	-25.115	78.200	37.736	AV
3			5860.000	52.211	14.437	-15.989	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

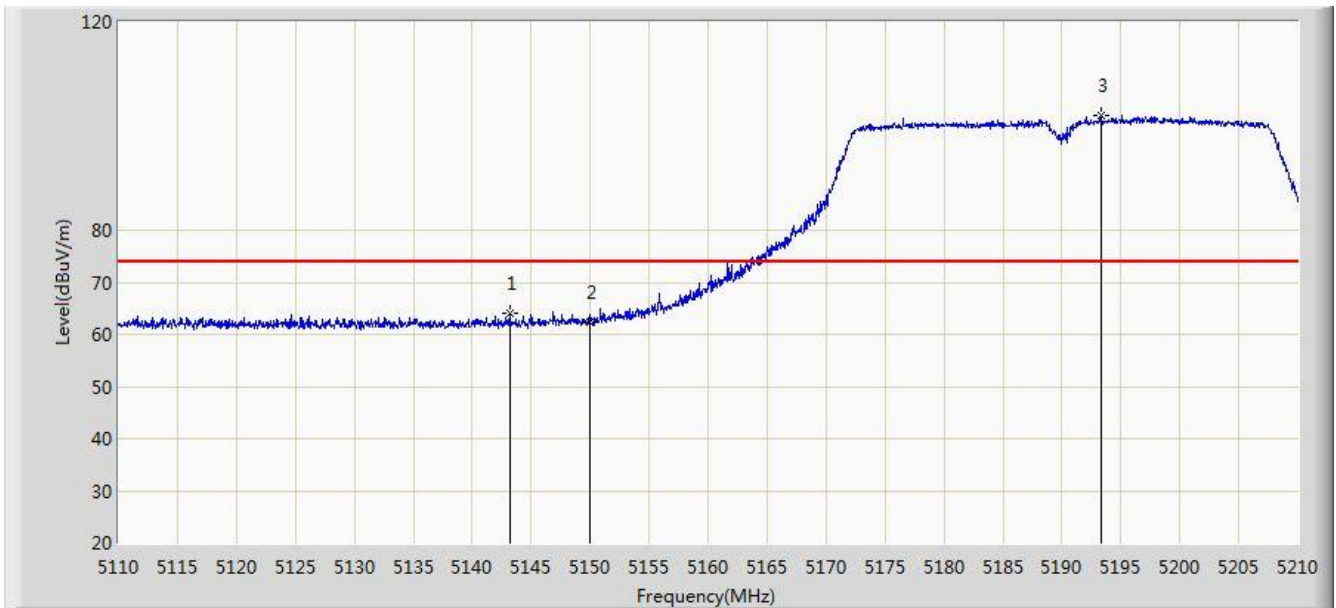| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:52
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
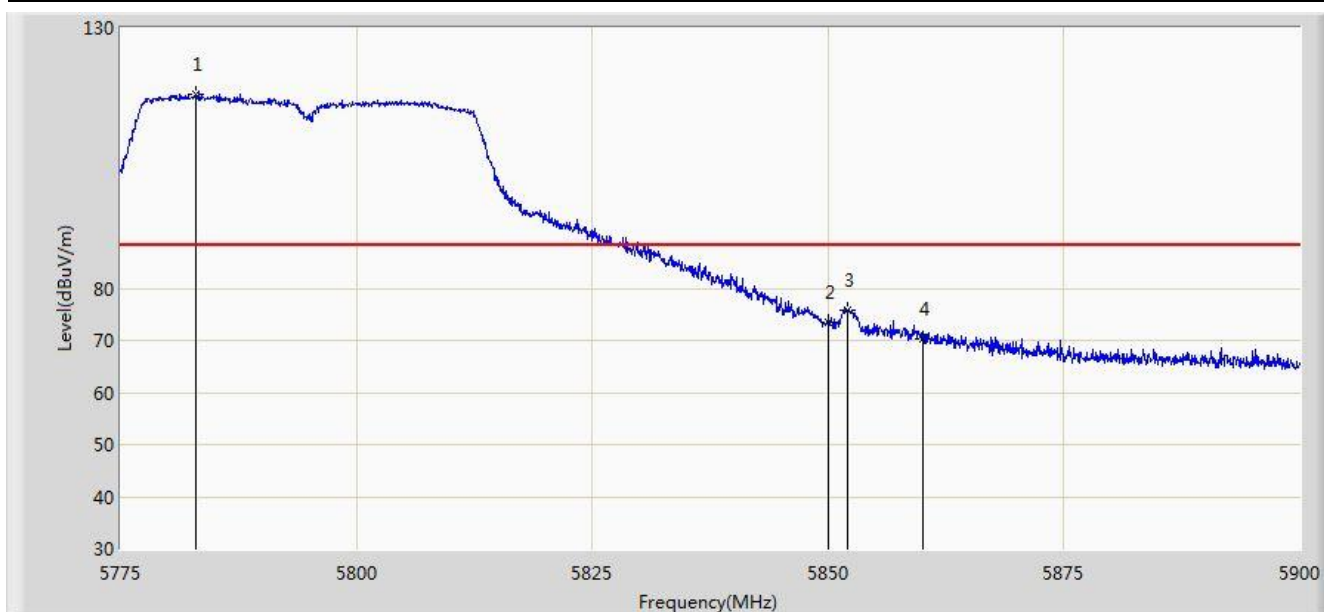
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.937	117.297	79.769	N/A	N/A	37.528	PK
2			5850.000	73.381	35.645	-24.819	98.200	37.736	PK
3			5852.125	75.909	38.165	-22.291	98.200	37.744	PK
4			5860.000	70.260	32.486	-17.940	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

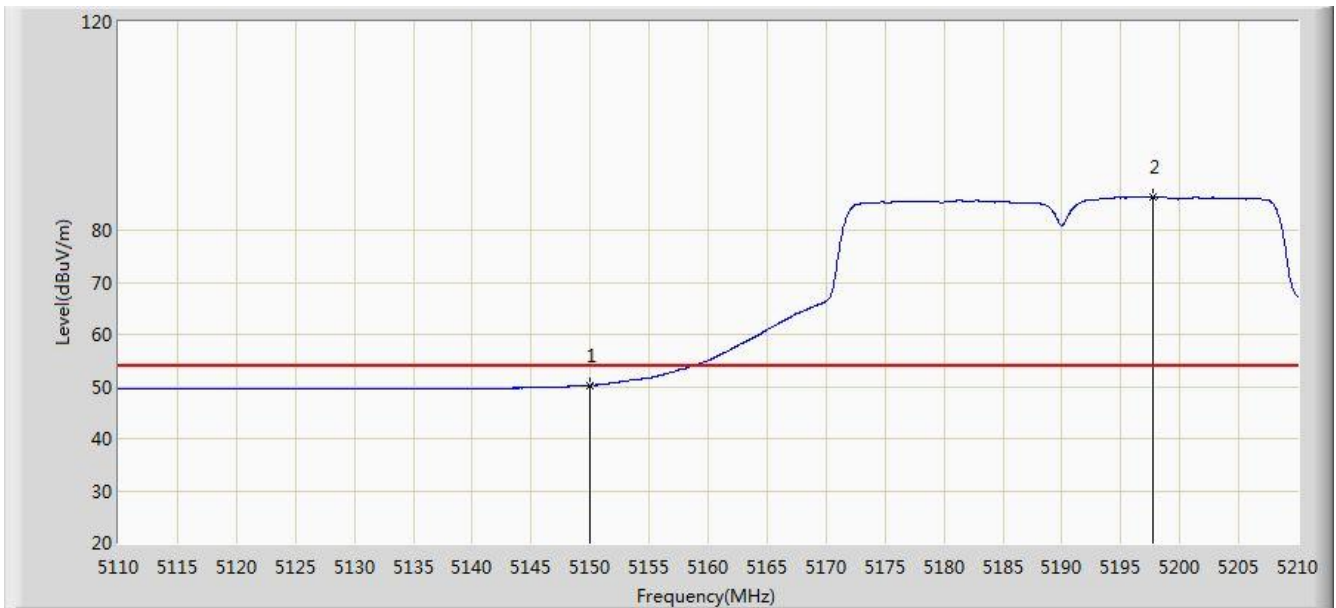| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:53
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	
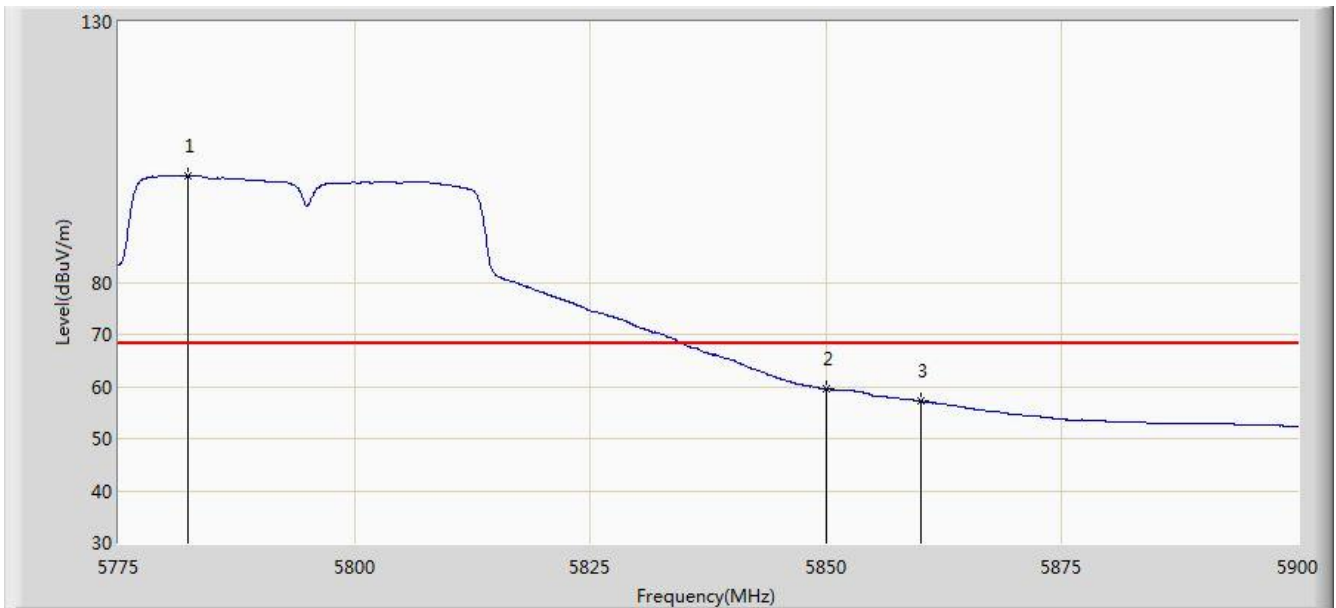
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.312	100.468	62.942	N/A	N/A	37.525	AV
2			5850.000	59.488	21.752	-18.712	78.200	37.736	AV
3			5860.000	57.179	19.405	-11.021	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
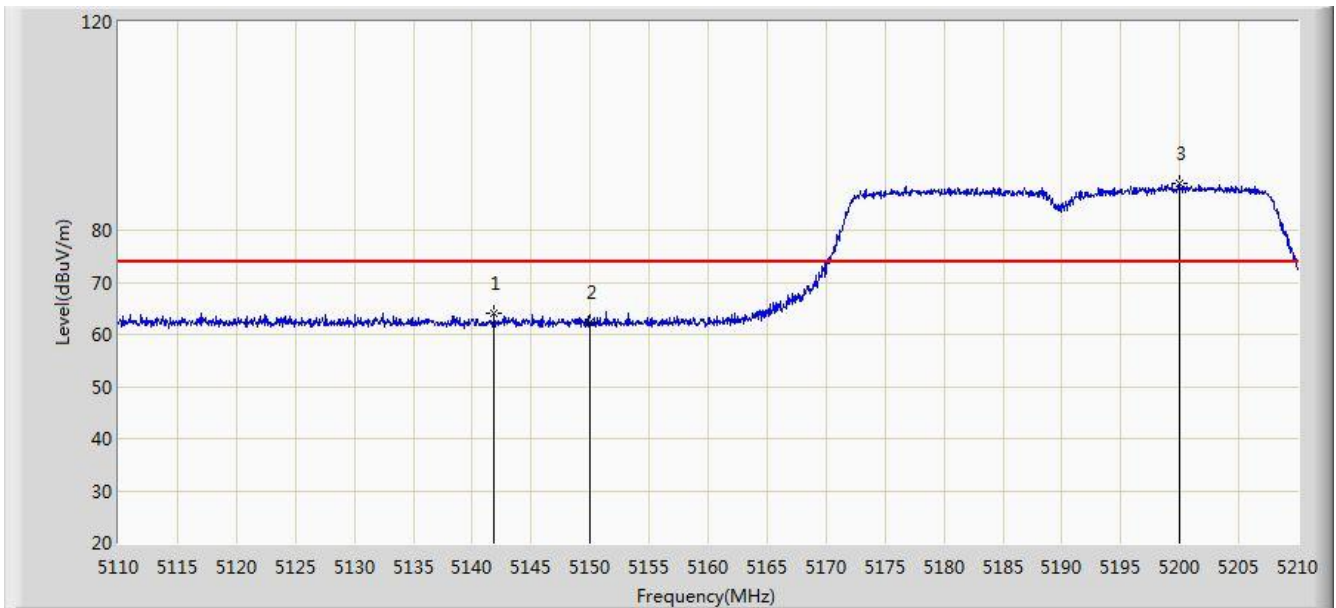
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.850	64.025	27.262	-9.975	74.000	36.763	PK
2			5150.000	62.390	25.638	-11.610	74.000	36.752	PK
3		*	5200.000	89.063	52.450	N/A	N/A	36.613	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	
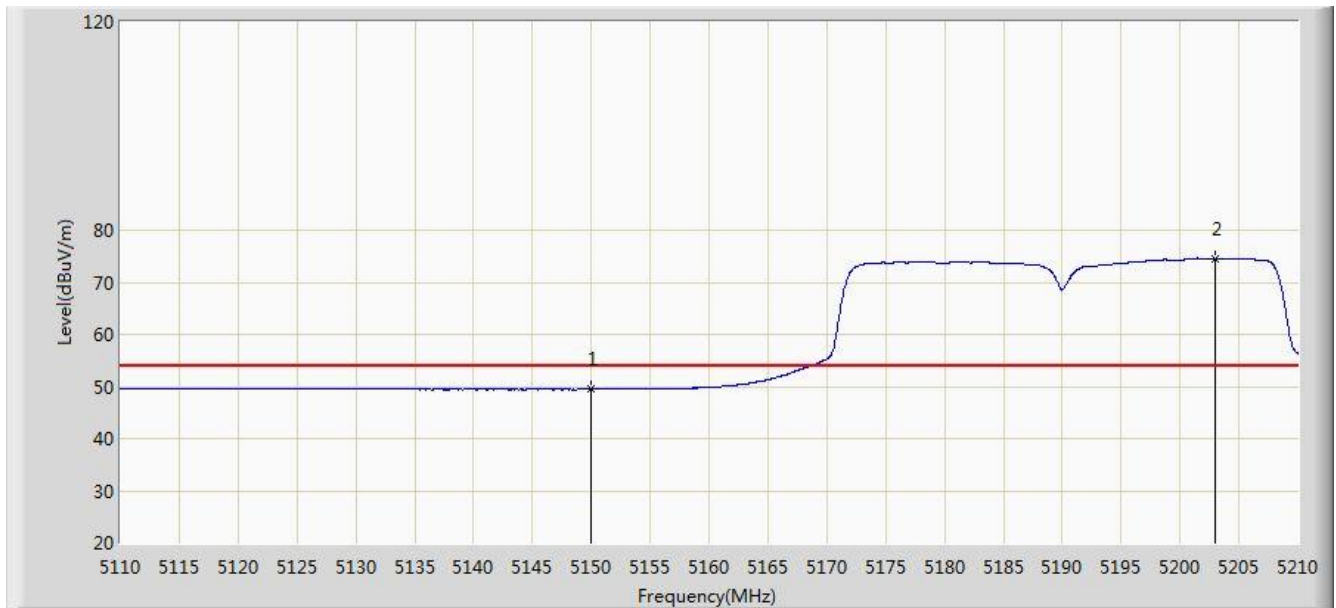
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.460	12.708	-4.540	54.000	36.752	AV
2		*	5202.950	74.617	38.010	N/A	N/A	36.607	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.150	64.022	27.260	-9.978	74.000	36.762	PK
2			5150.000	62.285	25.533	-11.715	74.000	36.752	PK
3		*	5193.300	102.005	65.376	N/A	N/A	36.629	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.255	13.503	-3.745	54.000	36.752	AV
2		*	5197.750	86.318	49.700	N/A	N/A	36.618	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 22:58
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
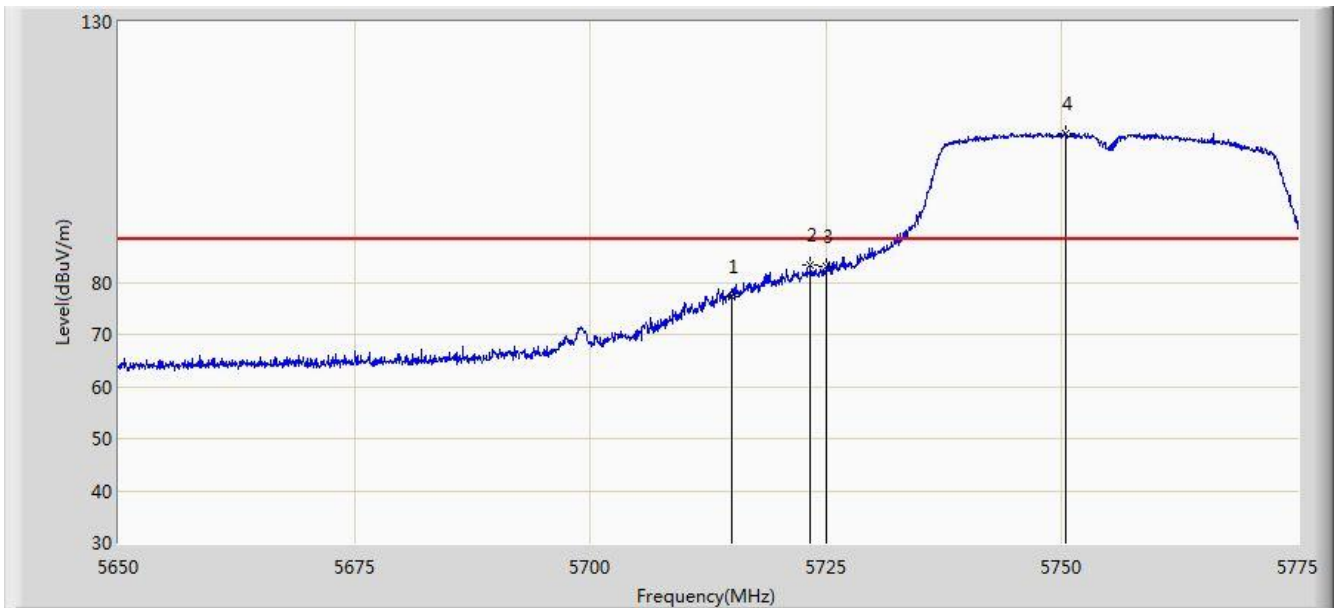
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	77.235	39.968	-10.965	88.200	37.267	PK
2			5723.375	83.431	46.132	-14.769	98.200	37.299	PK
3			5725.000	82.935	45.630	-15.265	98.200	37.305	PK
4		*	5750.437	108.430	71.024	N/A	N/A	37.406	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:01
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
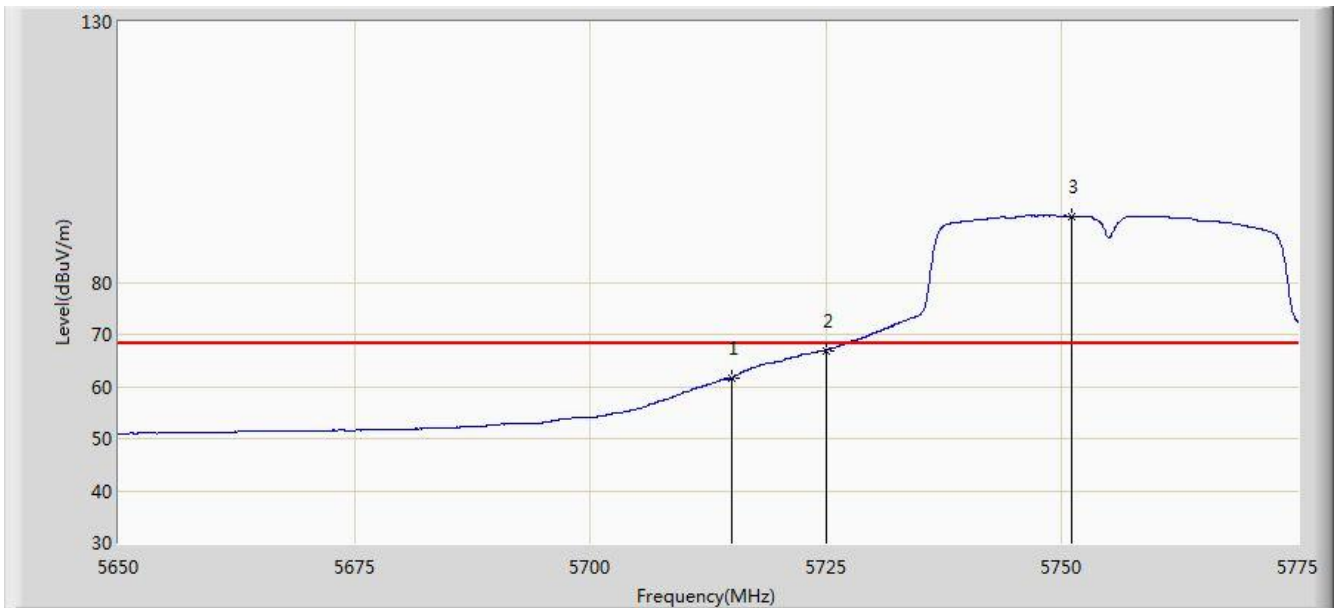
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.649	24.382	-6.551	68.200	37.267	AV
2			5725.000	66.892	29.587	-11.308	78.200	37.305	AV
3		*	5751.000	92.694	55.286	N/A	N/A	37.409	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:02
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
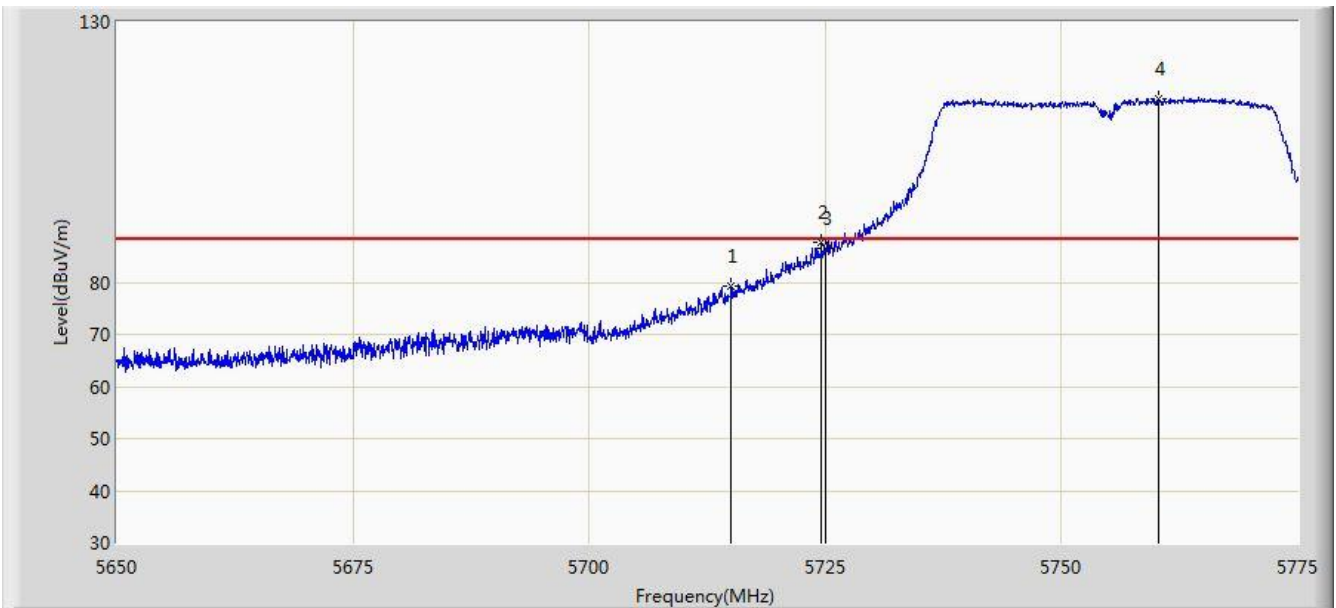
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	79.290	42.023	-8.910	88.200	37.267	PK
2			5724.625	87.603	50.300	-10.597	98.200	37.303	PK
3			5725.000	86.616	49.311	-11.584	98.200	37.305	PK
4		*	5760.250	115.288	77.845	N/A	N/A	37.443	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:05
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	
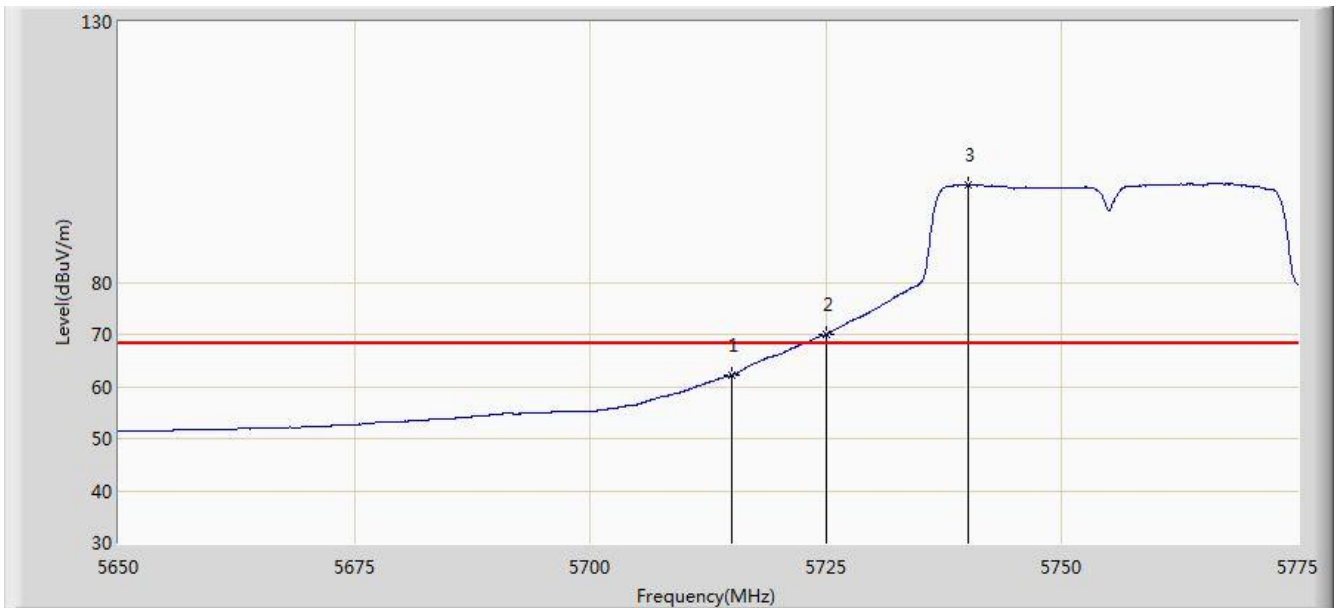
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.172	24.905	-6.028	68.200	37.267	AV
2			5725.000	70.010	32.705	-8.190	78.200	37.305	AV
3		*	5740.125	98.697	61.331	N/A	N/A	37.365	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:06
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
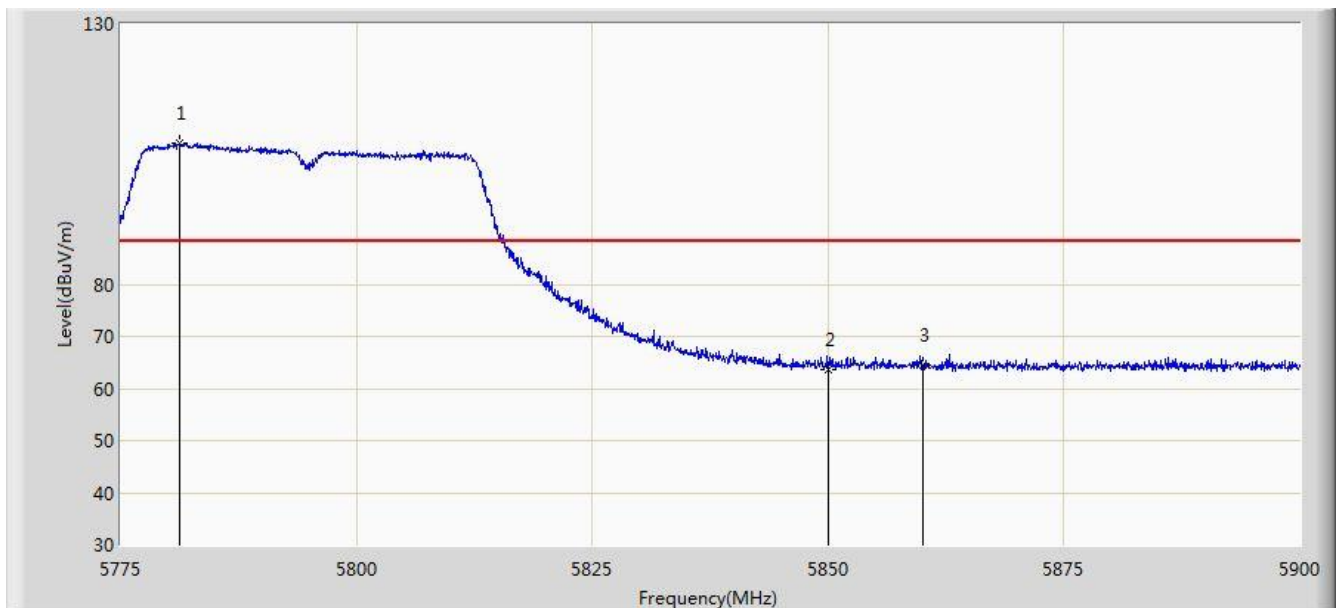
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.250	107.226	69.705	N/A	N/A	37.521	PK
2			5850.000	63.685	25.949	-34.515	98.200	37.736	PK
3			5860.000	64.572	26.798	-23.628	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:08
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
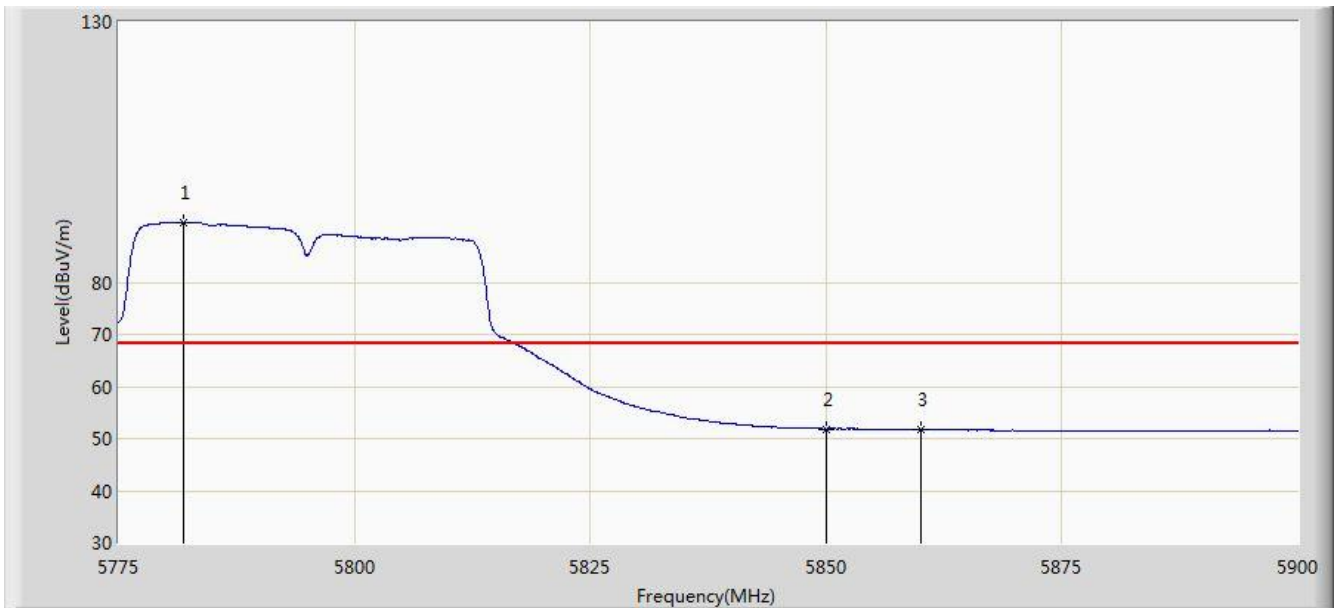
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.937	91.392	53.868	N/A	N/A	37.524	AV
2			5850.000	51.876	14.140	-26.324	78.200	37.736	AV
3			5860.000	51.792	14.018	-16.408	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

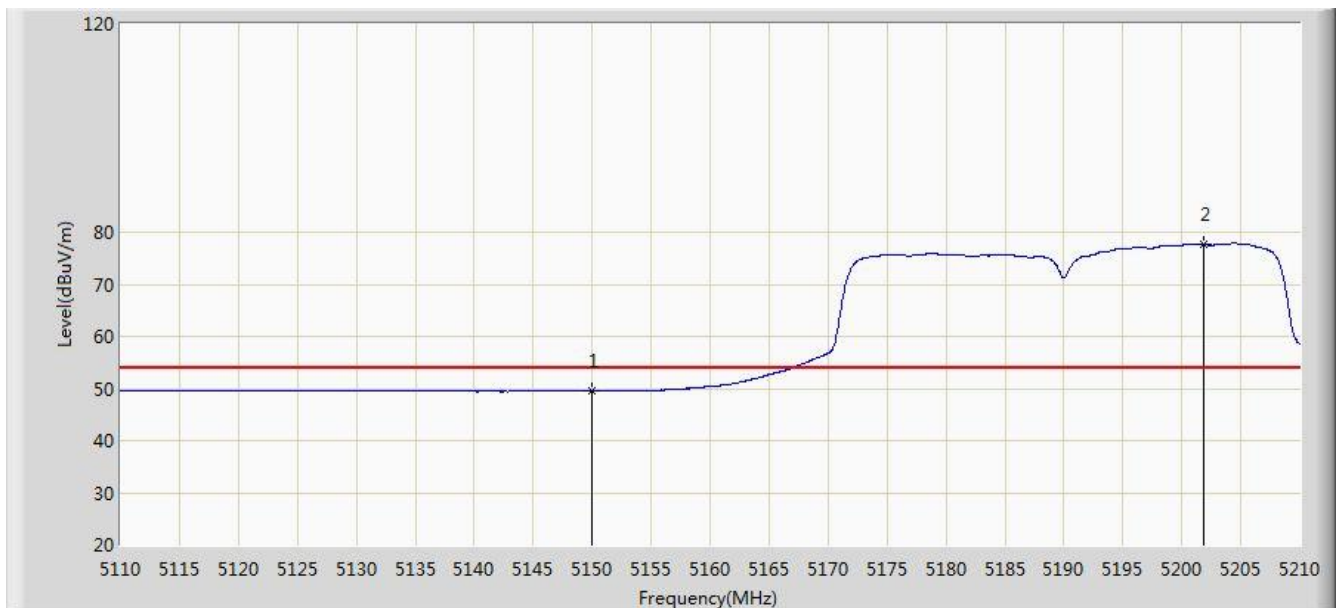| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
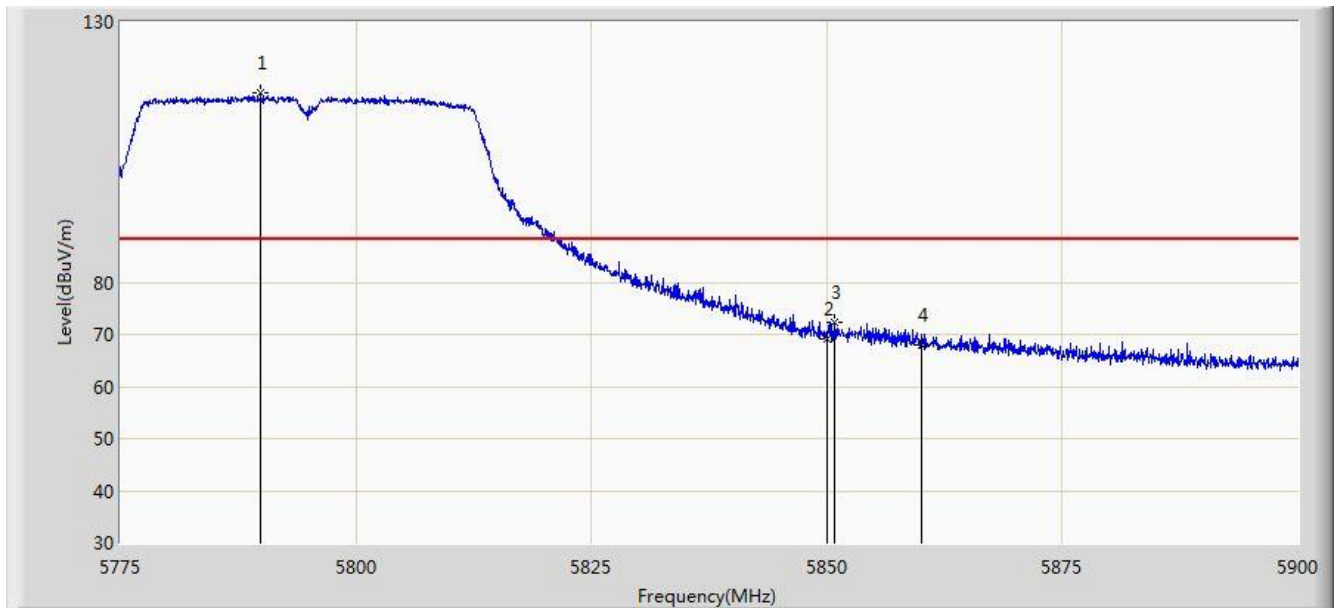
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5789.875	116.237	78.681	N/A	N/A	37.556	PK
2			5850.000	69.265	31.529	-28.935	98.200	37.736	PK
3			5850.875	72.361	34.622	-25.839	98.200	37.739	PK
4			5860.000	67.917	30.143	-20.283	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

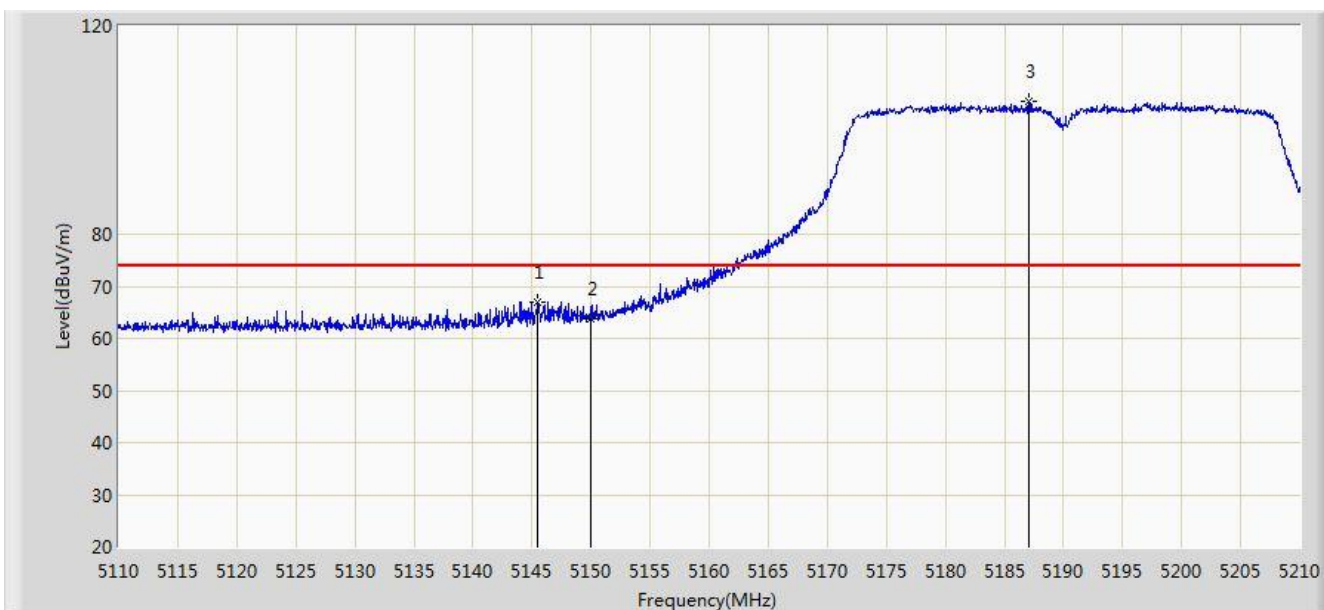| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:10
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	
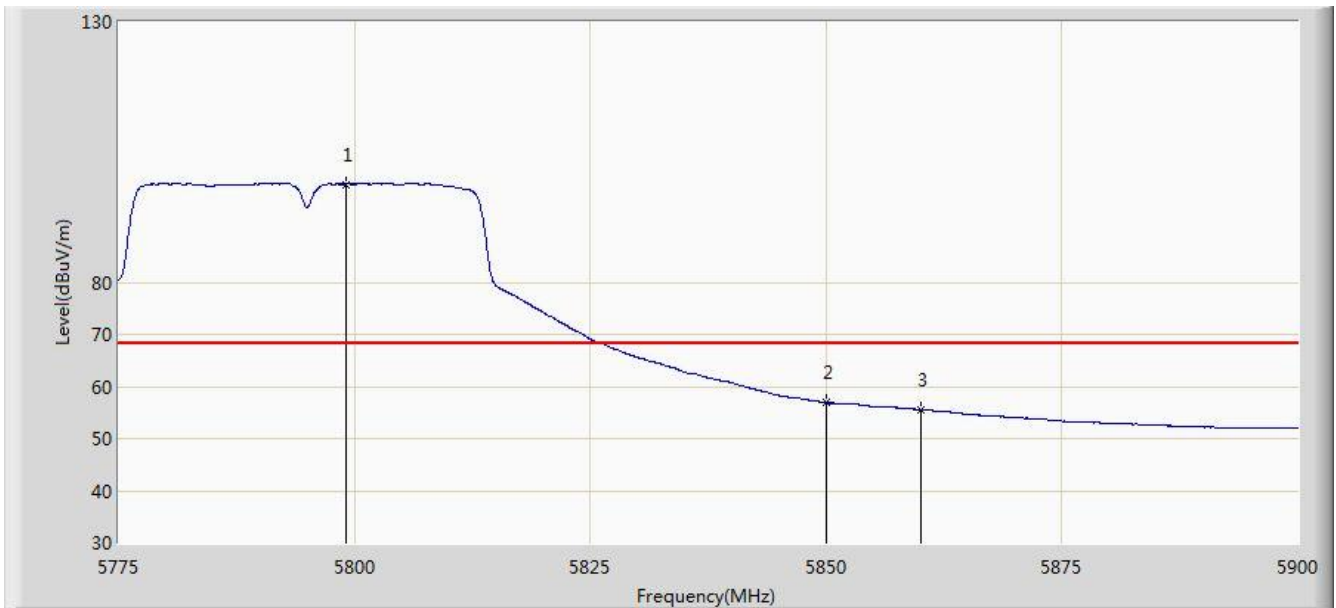
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.062	98.833	61.244	N/A	N/A	37.589	AV
2			5850.000	56.837	19.101	-21.363	78.200	37.736	AV
3			5860.000	55.565	17.791	-12.635	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	
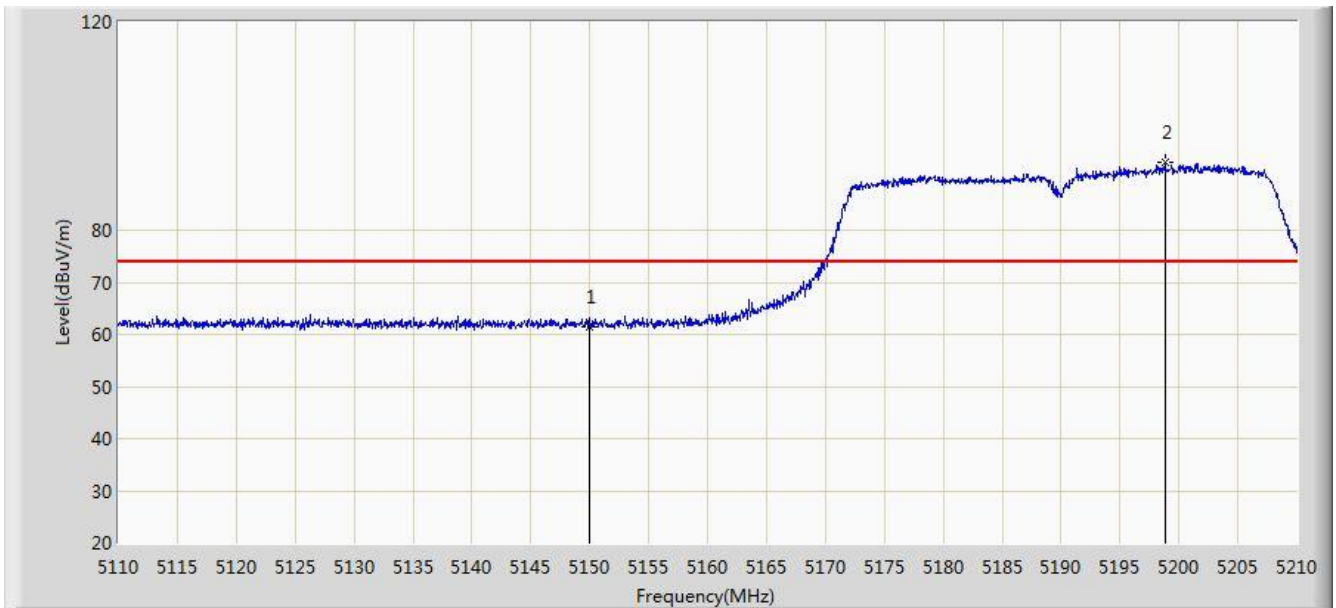
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.358	24.606	-12.642	74.000	36.752	PK
2		*	5198.800	93.011	56.396	N/A	N/A	36.615	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.478	12.726	-4.522	54.000	36.752	AV
2		*	5201.850	77.728	41.119	N/A	N/A	36.609	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

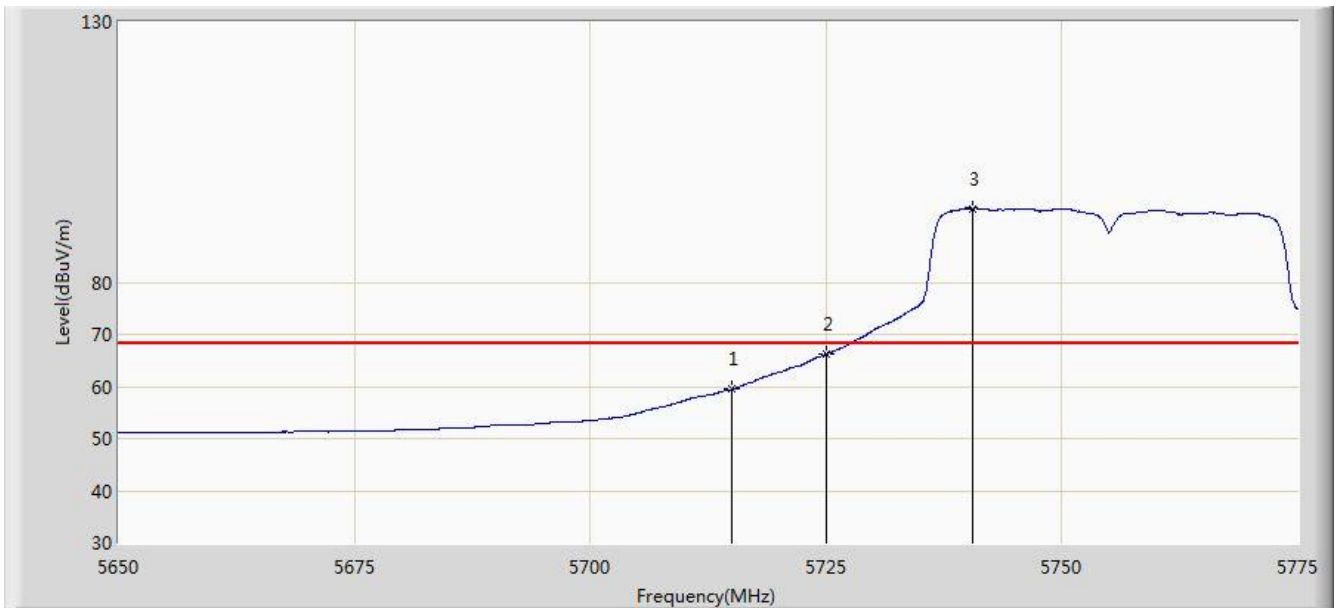| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.500	66.820	30.062	-7.180	74.000	36.758	PK
2			5150.000	63.737	26.985	-10.263	74.000	36.752	PK
3		*	5187.050	105.634	68.989	N/A	N/A	36.646	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

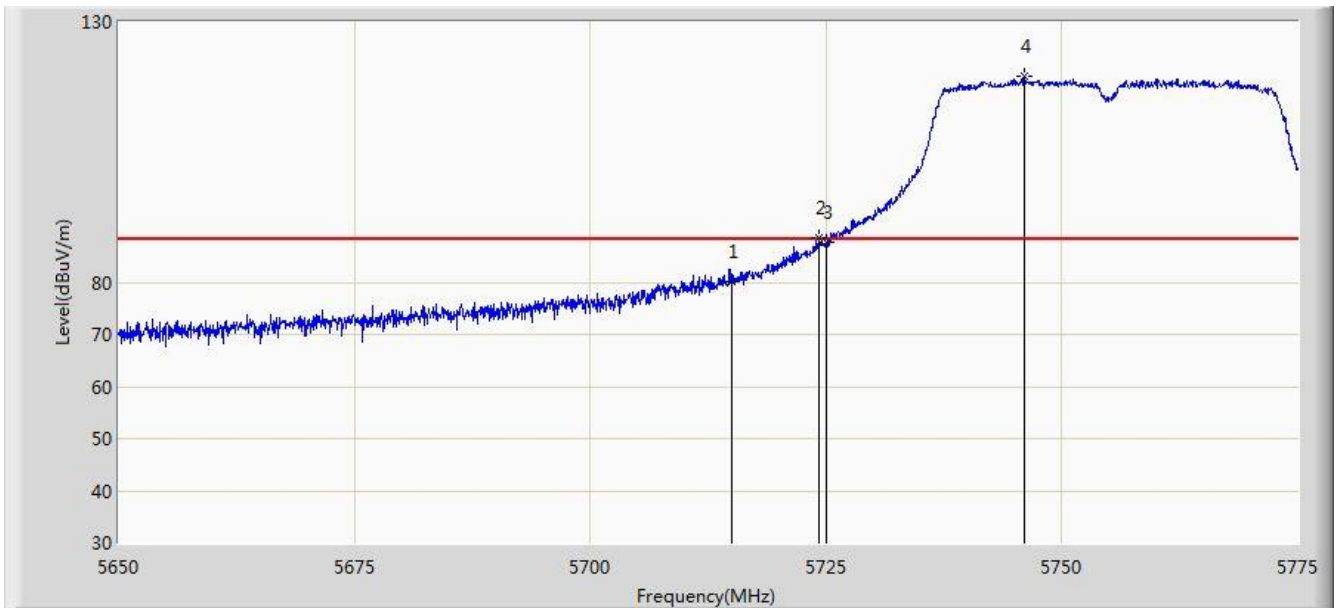| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	
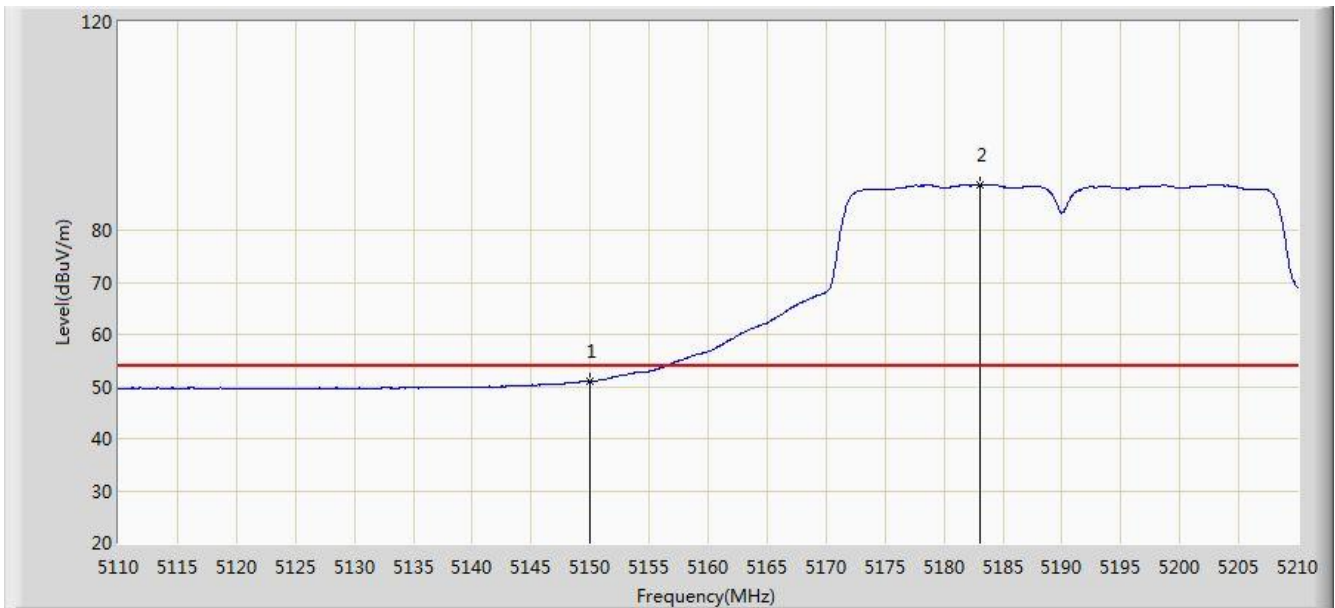
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.005	14.253	-2.995	54.000	36.752	AV
2		*	5183.050	88.798	52.142	N/A	N/A	36.657	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:15
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
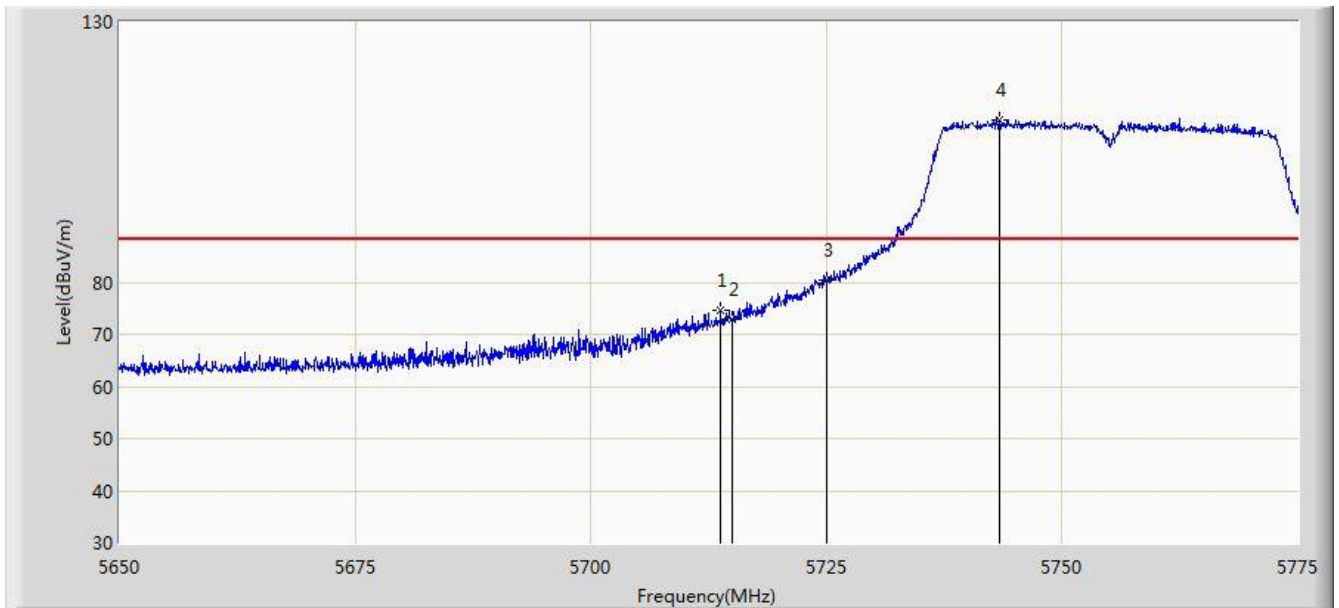
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.750	74.601	37.339	-13.599	88.200	37.262	PK
2			5715.000	72.899	35.632	-15.301	88.200	37.267	PK
3			5725.000	80.465	43.160	-17.735	98.200	37.305	PK
4		*	5743.375	111.257	73.879	N/A	N/A	37.377	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	59.461	22.194	-8.739	68.200	37.267	AV
2			5725.000	66.164	28.859	-12.036	78.200	37.305	AV
3		*	5740.500	94.147	56.780	N/A	N/A	37.367	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:18
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	80.221	42.954	-7.979	88.200	37.267	PK
2			5724.312	88.421	51.119	-9.779	98.200	37.302	PK
3			5725.000	87.557	50.252	-10.643	98.200	37.305	PK
4		*	5746.062	119.537	82.148	N/A	N/A	37.389	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

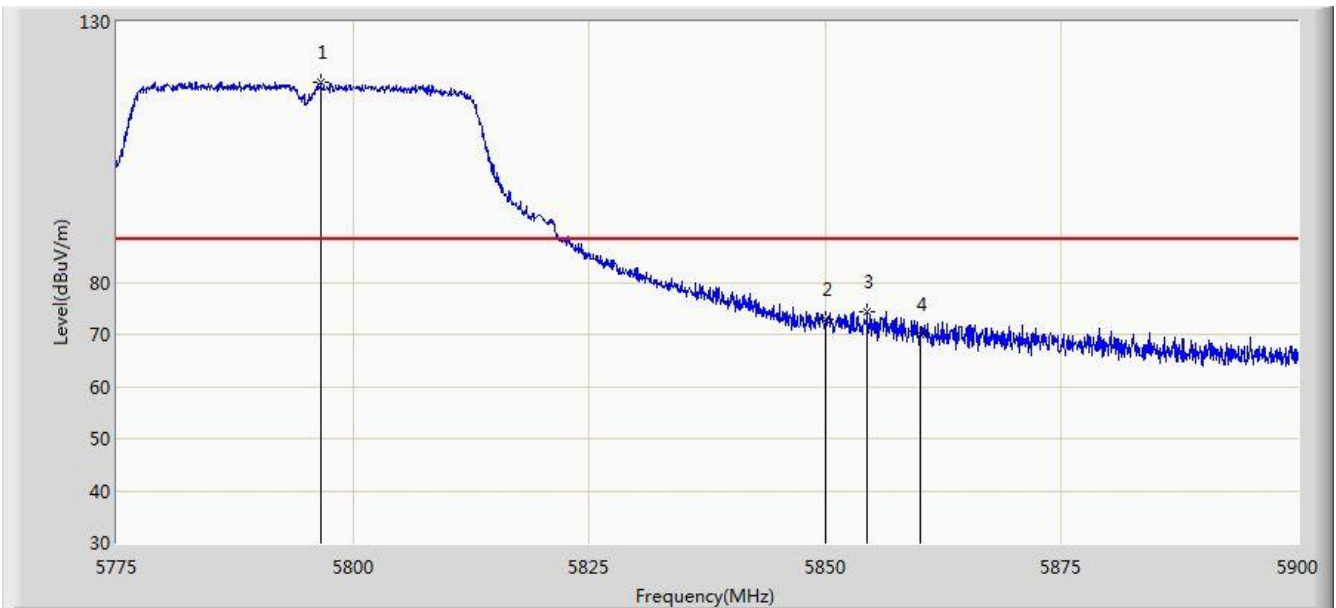| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:19
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0+1	
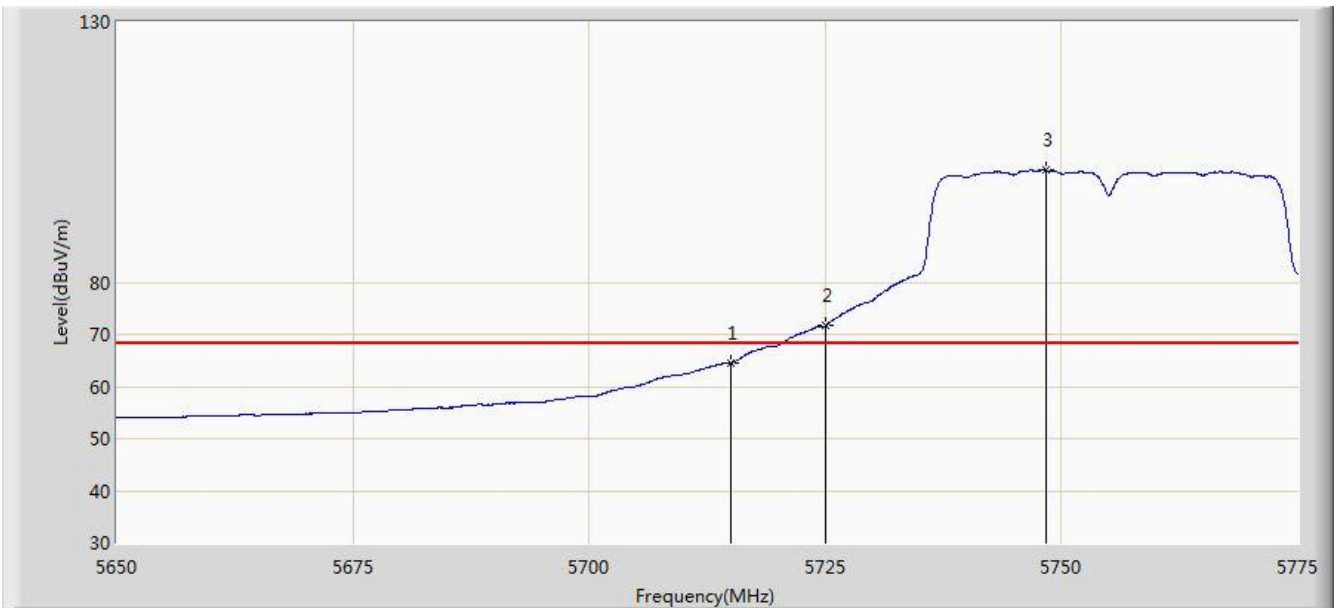
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.512	27.245	-3.688	68.200	37.267	AV
2			5725.000	71.613	34.308	-6.587	78.200	37.305	AV
3		*	5748.312	101.518	64.120	N/A	N/A	37.398	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

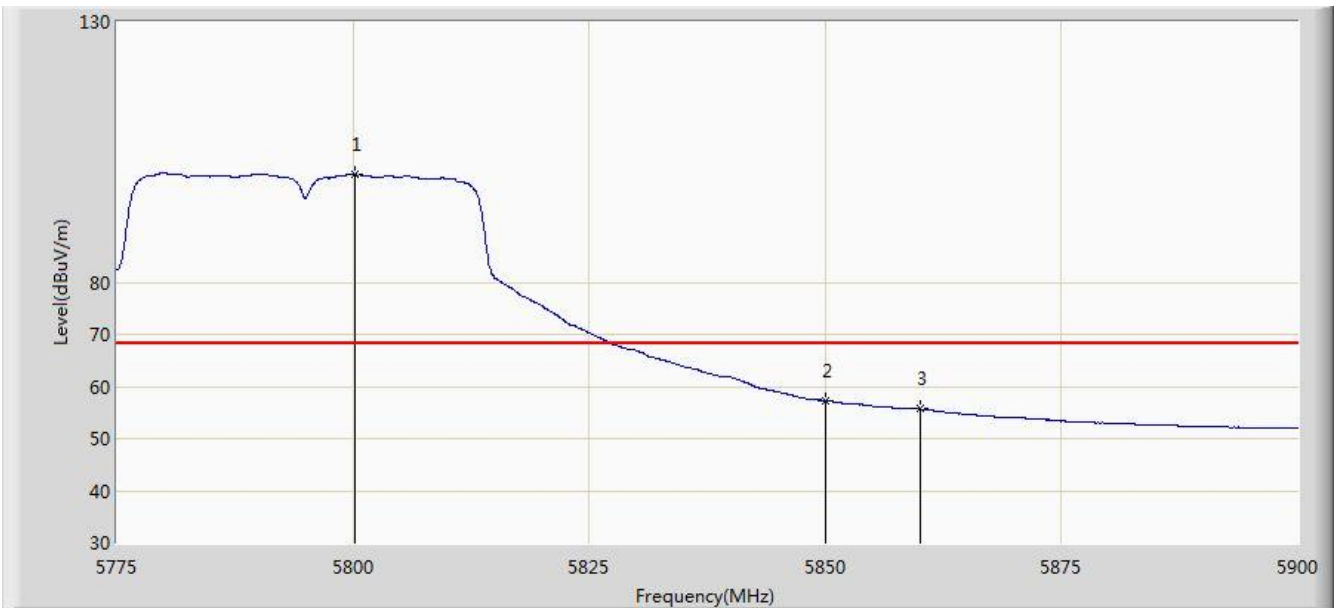| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:21
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
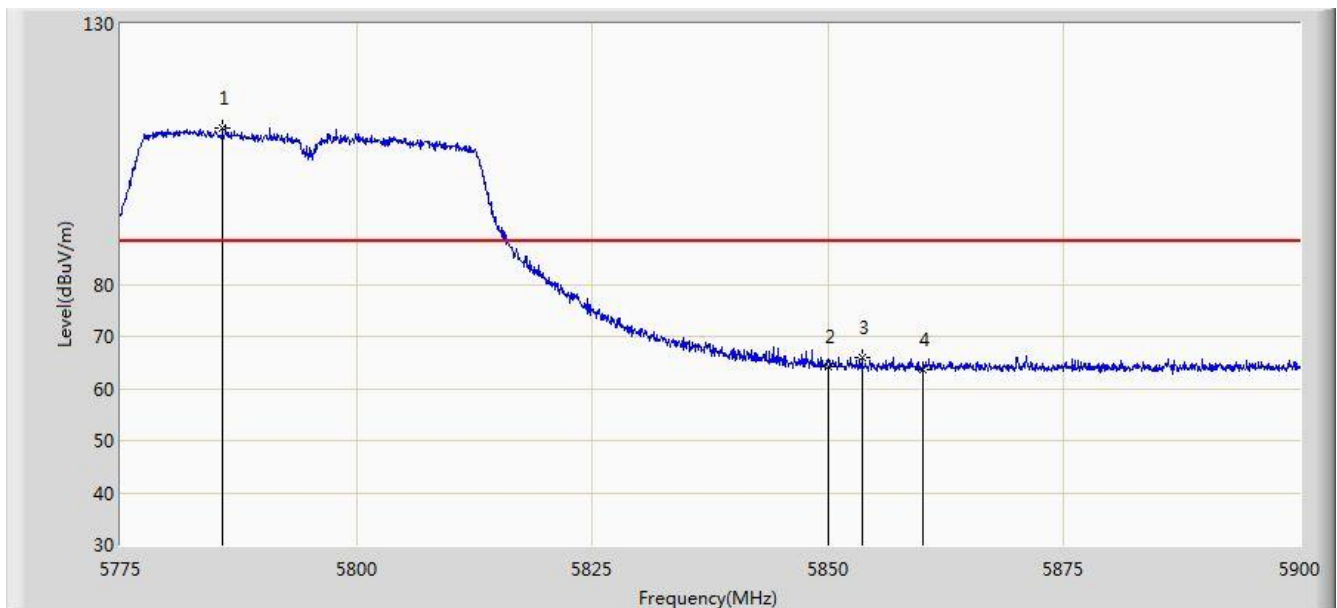
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.812	110.103	72.563	N/A	N/A	37.539	PK
2			5850.000	64.231	26.495	-33.969	98.200	37.736	PK
3			5853.625	65.919	28.169	-32.281	98.200	37.750	PK
4			5860.000	63.594	25.820	-24.606	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:22
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	
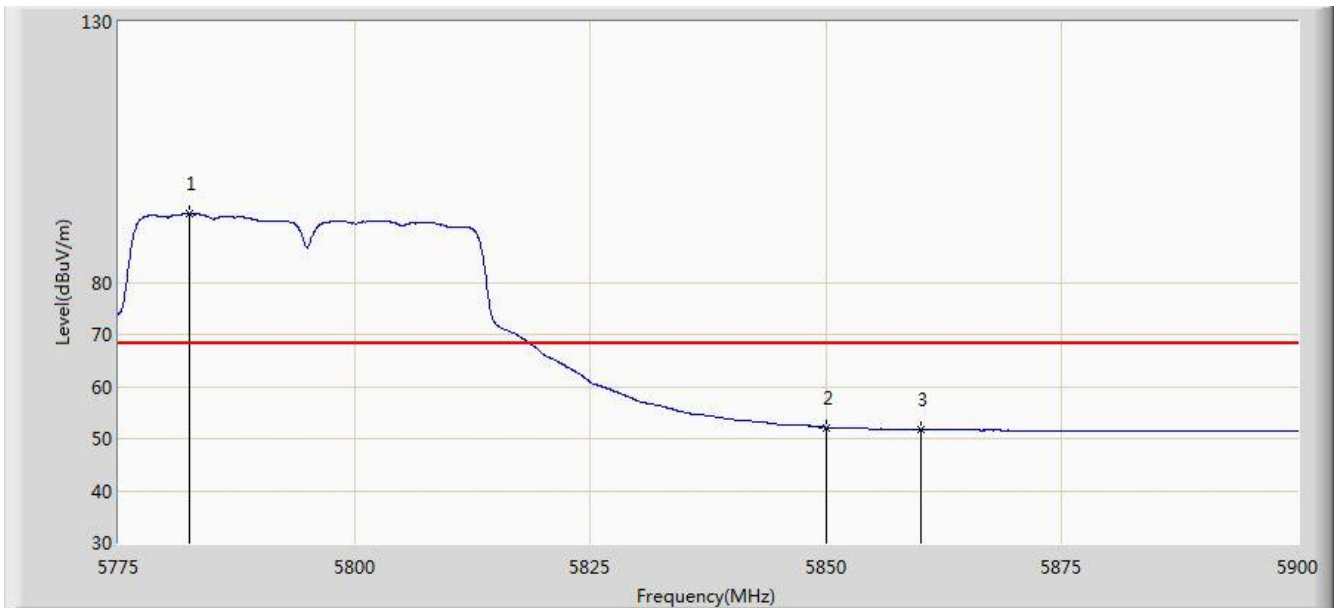
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.500	93.045	55.519	N/A	N/A	37.526	AV
2			5850.000	52.108	14.372	-26.092	78.200	37.736	AV
3			5860.000	51.726	13.952	-16.474	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

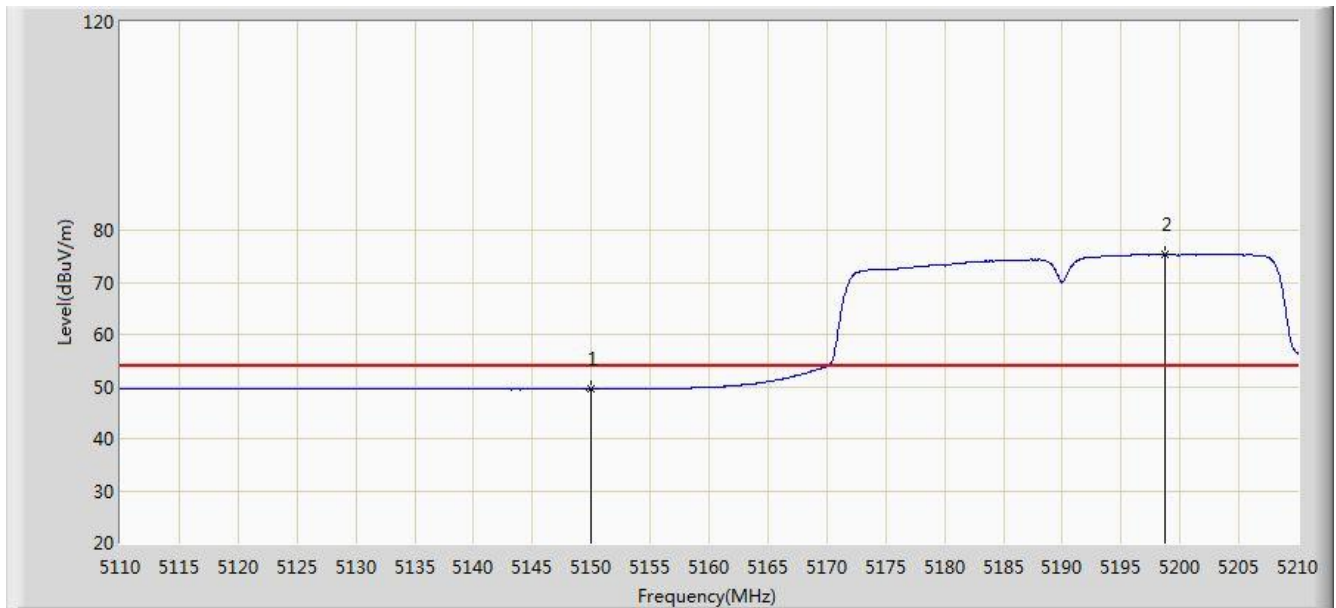| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.625	118.510	80.929	N/A	N/A	37.581	PK
2			5850.000	72.846	35.110	-25.354	98.200	37.736	PK
3			5854.437	74.355	36.602	-23.845	98.200	37.752	PK
4			5860.000	69.858	32.084	-18.342	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

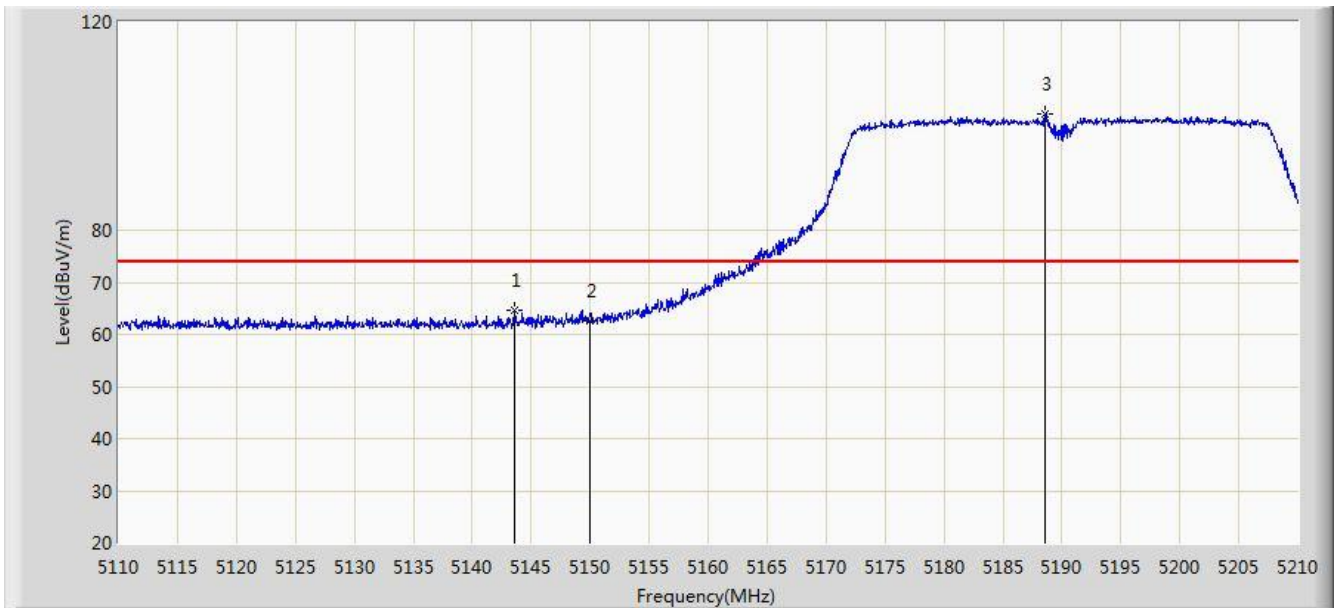| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:23
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5800.187	100.690	63.098	N/A	N/A	37.592	AV
2			5850.000	57.287	19.551	-20.913	78.200	37.736	AV
3			5860.000	55.709	17.935	-12.491	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
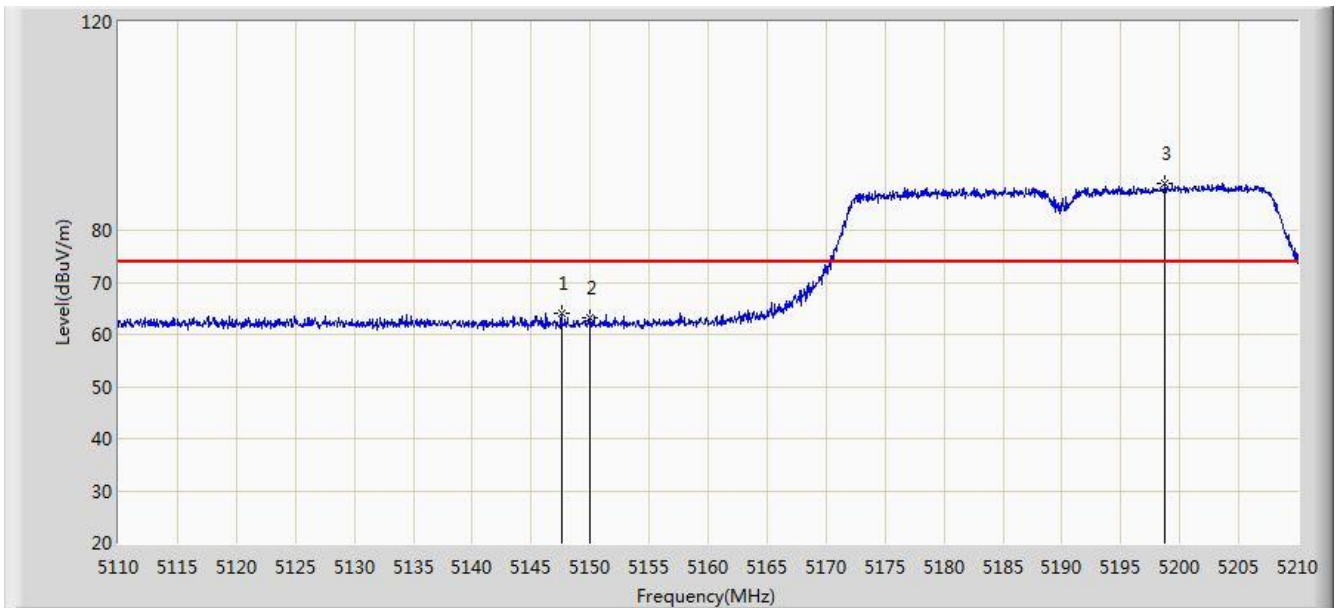
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.550	64.024	27.269	-9.976	74.000	36.755	PK
2			5150.000	63.245	26.493	-10.755	74.000	36.752	PK
3		*	5198.750	88.946	52.331	N/A	N/A	36.616	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.458	12.706	-4.542	54.000	36.752	AV
2		*	5198.750	75.439	38.824	N/A	N/A	36.616	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.550	64.562	27.801	-9.438	74.000	36.761	PK
2			5150.000	62.713	25.961	-11.287	74.000	36.752	PK
3		*	5188.550	102.242	65.601	N/A	N/A	36.642	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

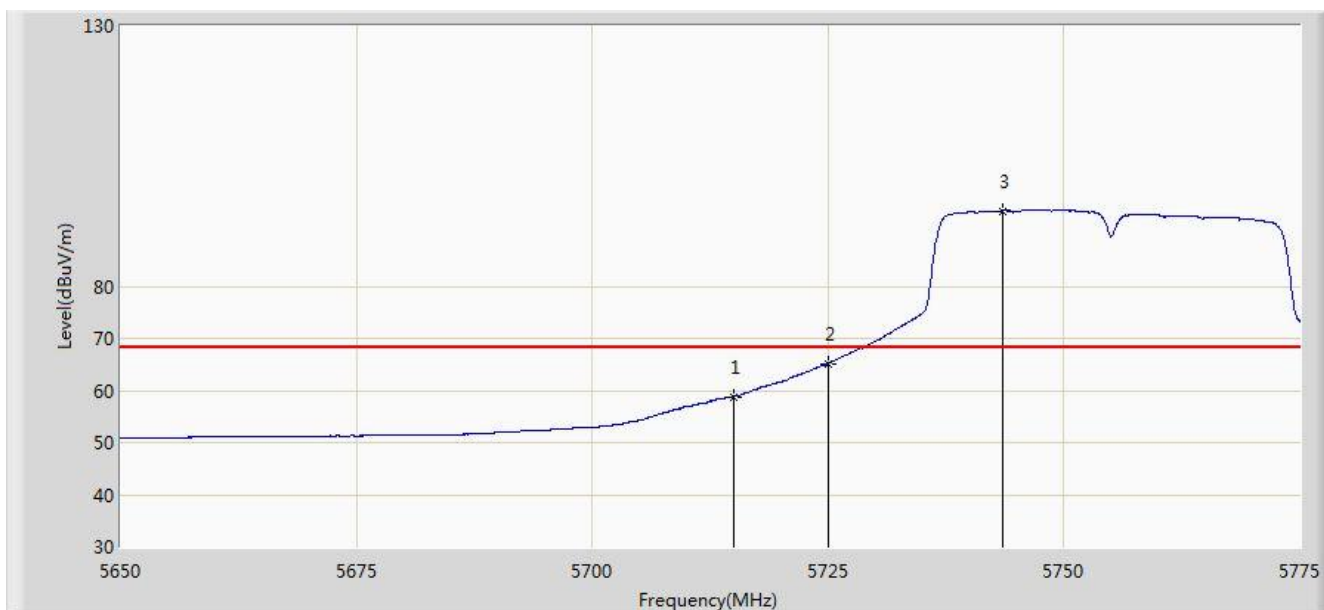| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	
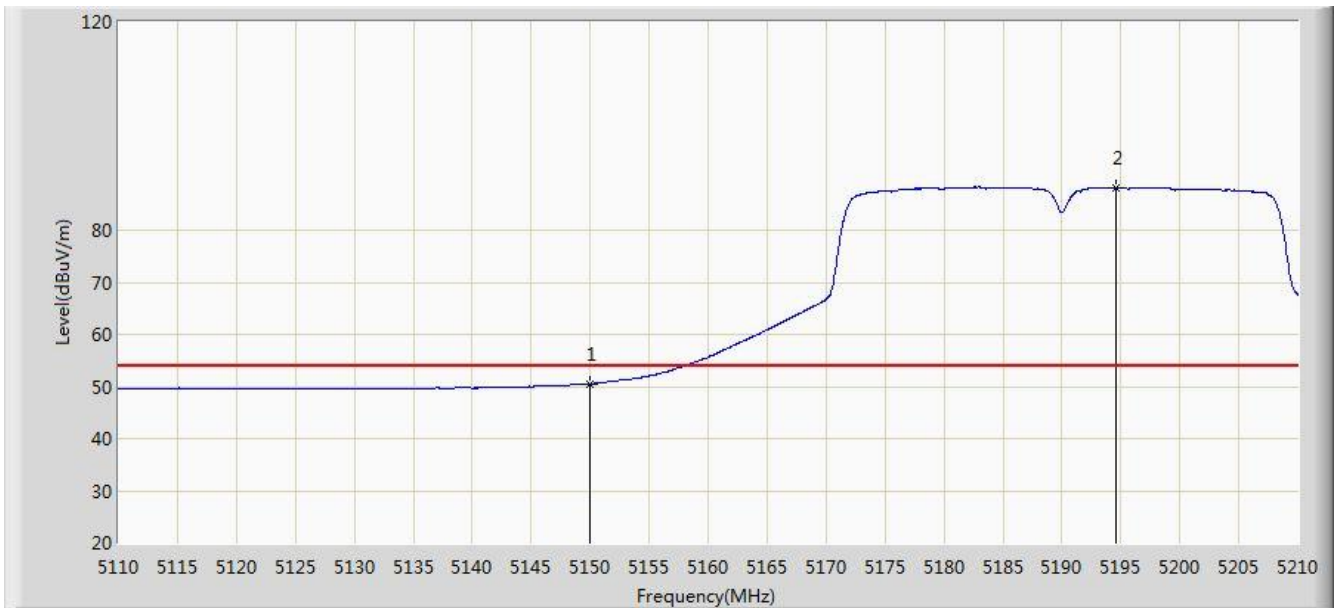
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.525	13.773	-3.475	54.000	36.752	AV
2		*	5194.600	88.171	51.545	N/A	N/A	36.626	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

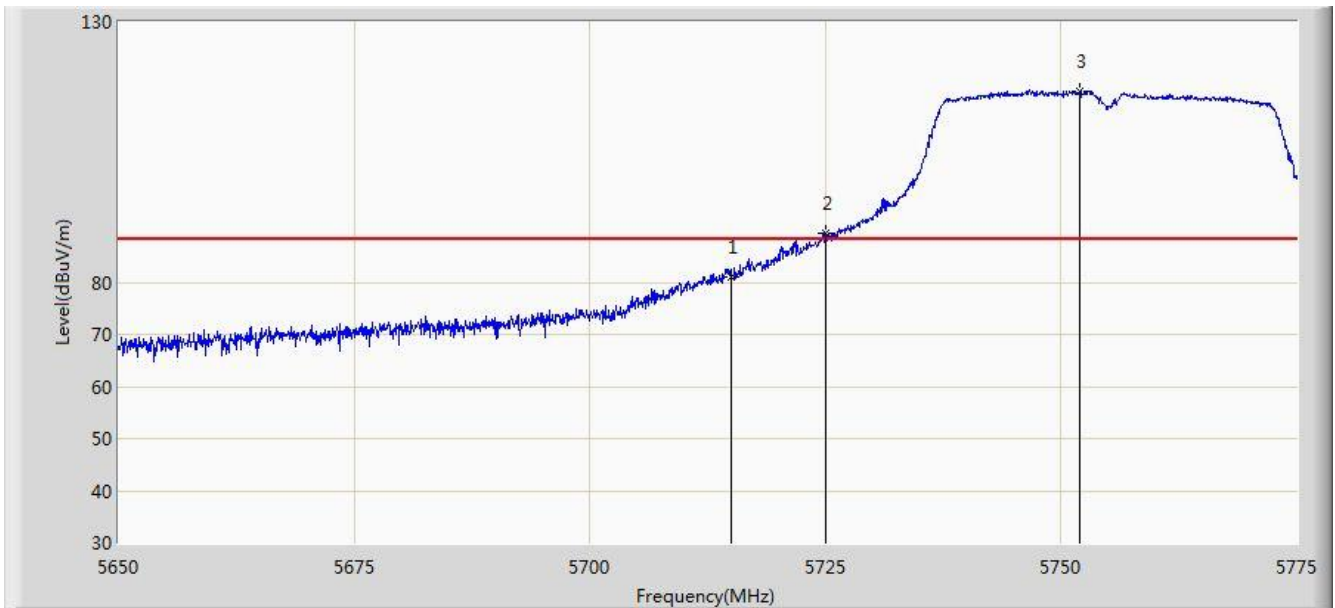| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:30
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	
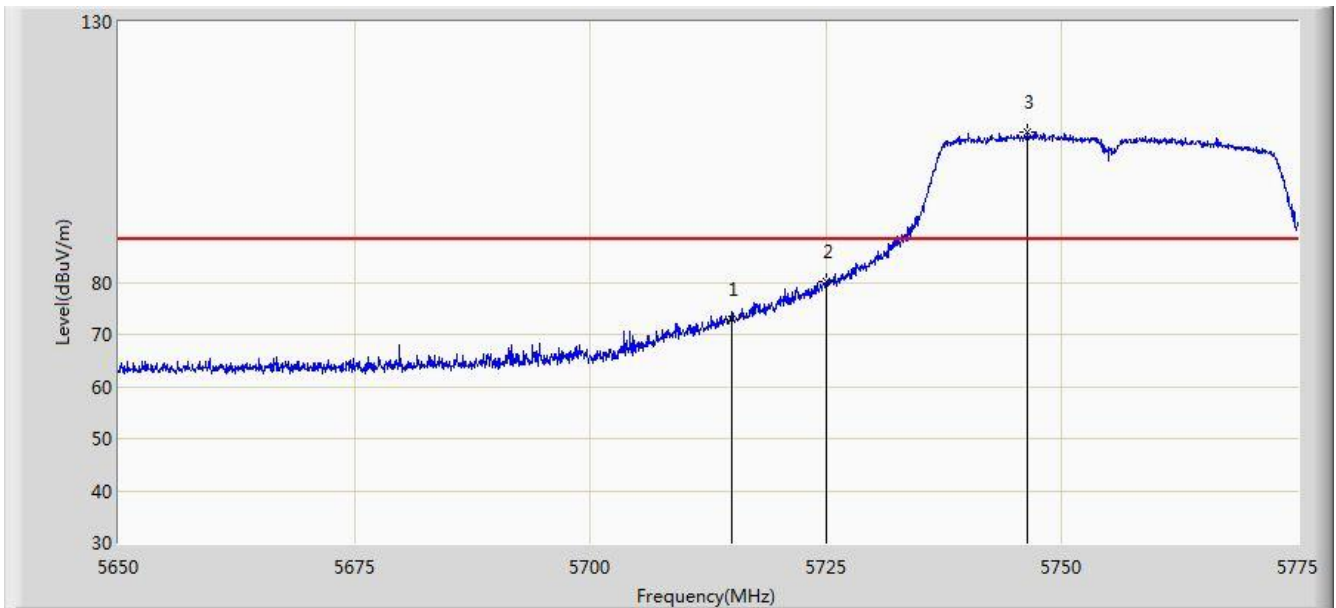
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.967	35.700	-15.233	88.200	37.267	PK
2			5725.000	80.195	42.890	-18.005	98.200	37.305	PK
3		*	5746.312	108.736	71.346	N/A	N/A	37.390	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:32
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.832	21.565	-9.368	68.200	37.267	AV
2			5725.000	65.165	27.860	-13.035	78.200	37.305	AV
3		*	5743.437	94.484	57.106	N/A	N/A	37.378	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:32
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	81.007	43.740	-7.193	88.200	37.267	PK
2			5725.000	89.489	52.184	-8.711	98.200	37.305	PK
3		*	5752.000	116.615	79.202	N/A	N/A	37.412	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

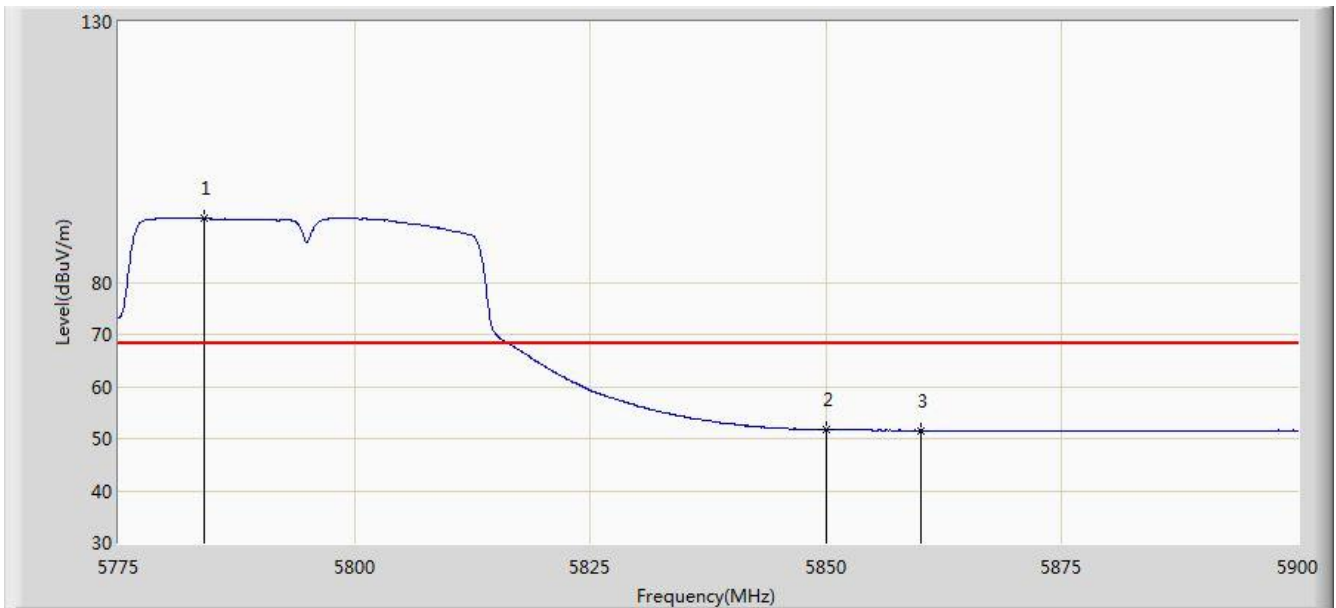| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:33
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0	
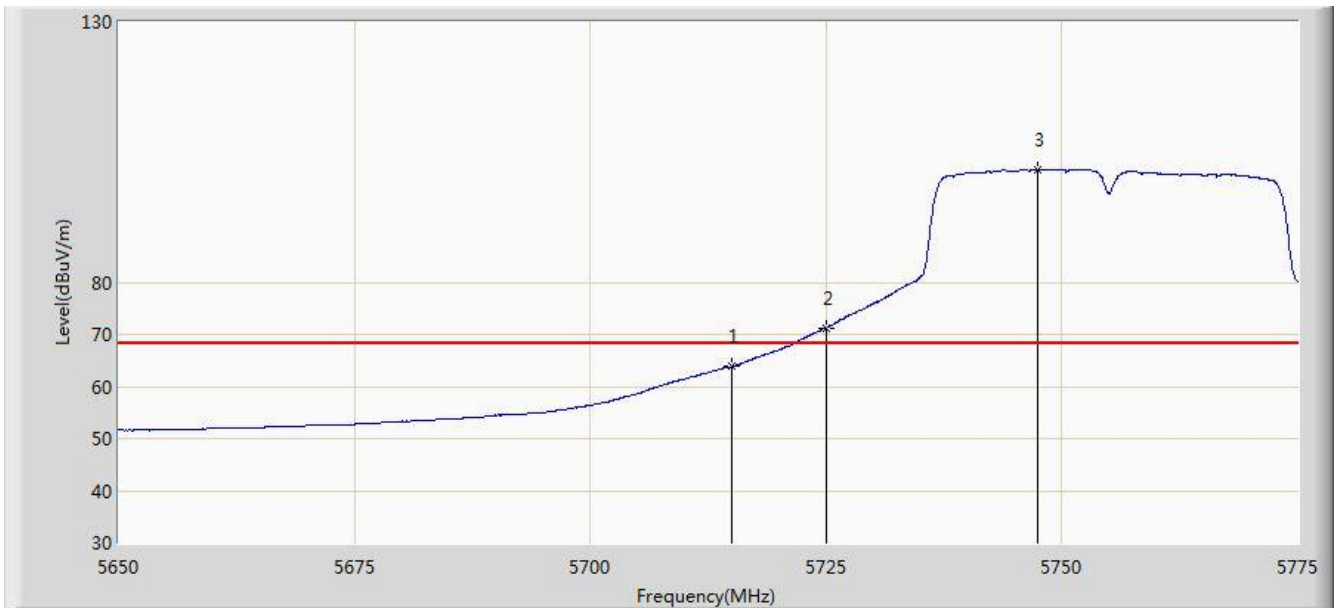
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.829	26.562	-4.371	68.200	37.267	AV
2			5725.000	71.238	33.933	-6.962	78.200	37.305	AV
3		*	5747.437	101.597	64.203	N/A	N/A	37.394	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

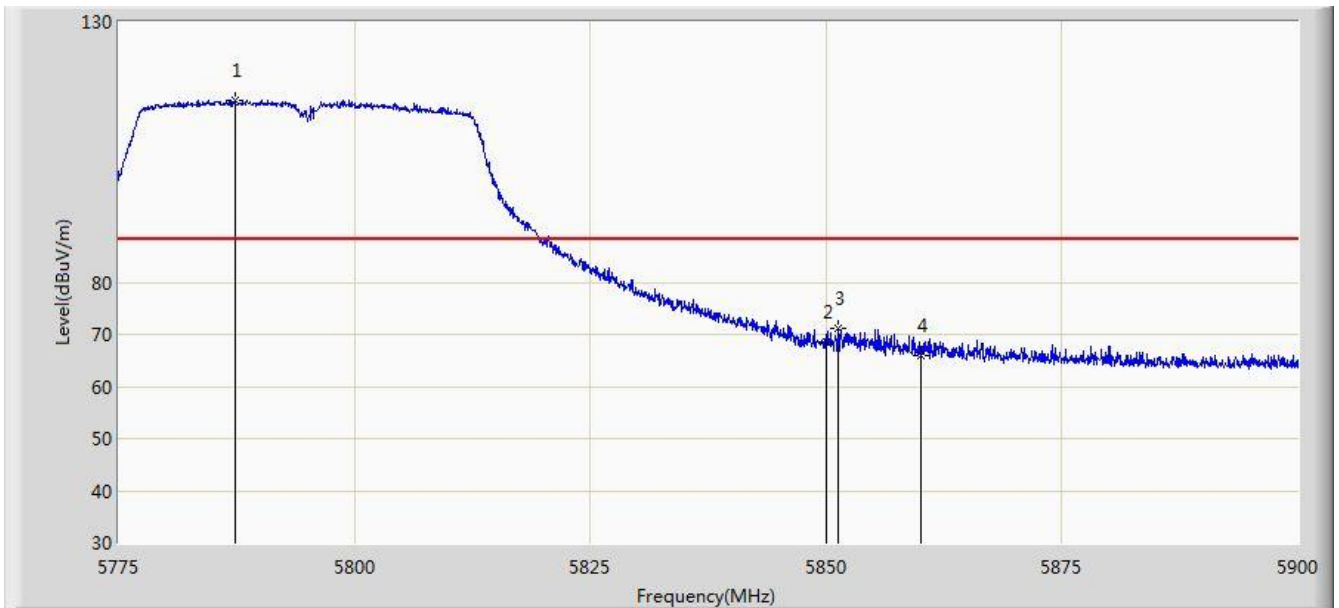| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:34
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
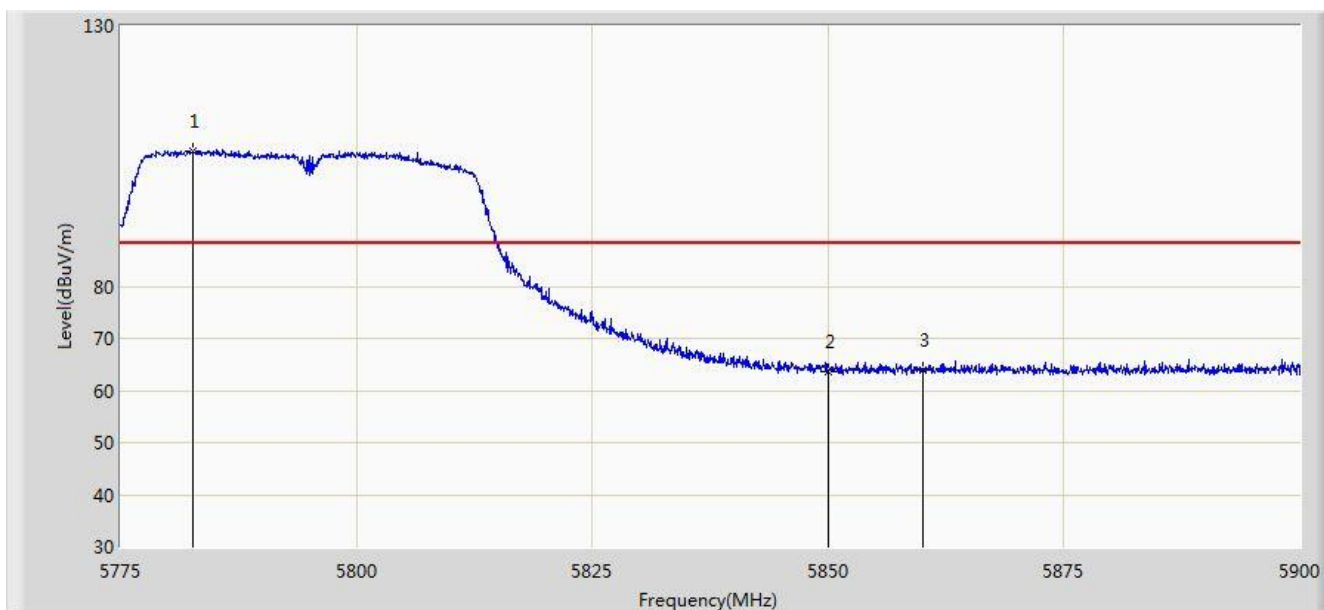
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.750	105.946	68.419	N/A	N/A	37.528	PK
2			5850.000	63.702	25.966	-34.498	98.200	37.736	PK
3			5860.000	64.035	26.261	-24.165	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:36
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.062	92.286	54.753	N/A	N/A	37.532	AV
2			5850.000	51.733	13.997	-26.467	78.200	37.736	AV
3			5860.000	51.545	13.771	-16.655	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:36
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5787.375	114.963	77.417	N/A	N/A	37.546	PK
2			5850.000	68.619	30.883	-29.581	98.200	37.736	PK
3			5851.312	71.289	33.548	-26.911	98.200	37.741	PK
4			5860.000	65.827	28.053	-22.373	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:37
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0	
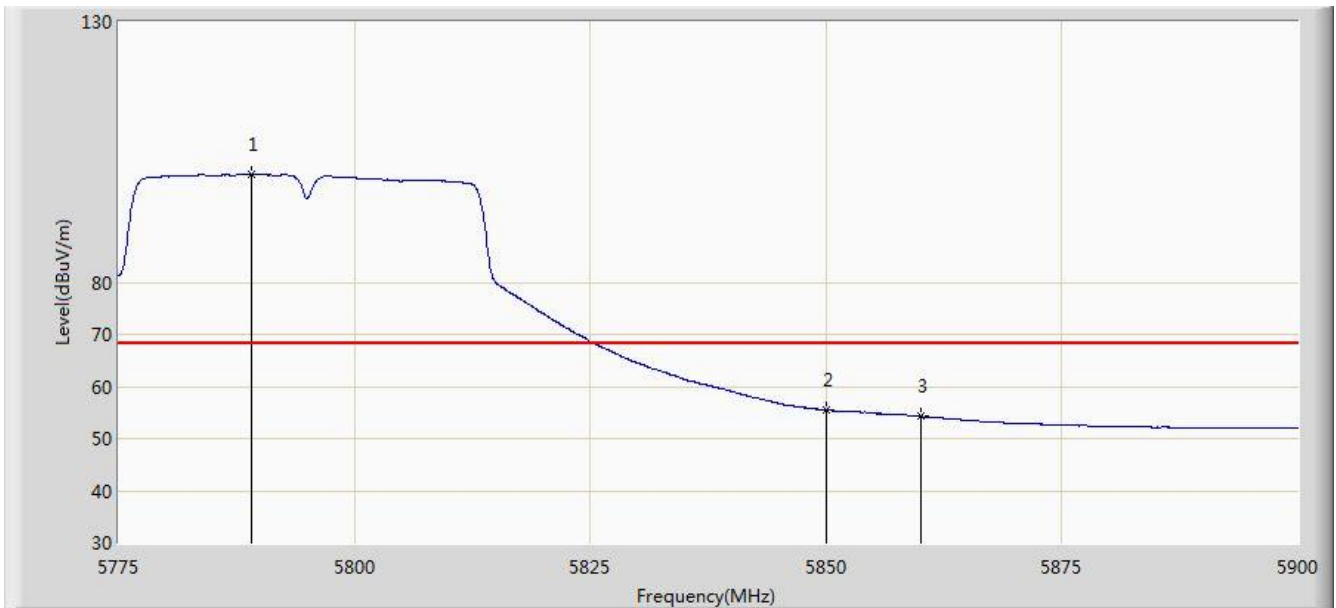
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5789.062	100.655	63.102	N/A	N/A	37.552	AV
2			5850.000	55.491	17.755	-22.709	78.200	37.736	AV
3			5860.000	54.241	16.467	-13.959	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
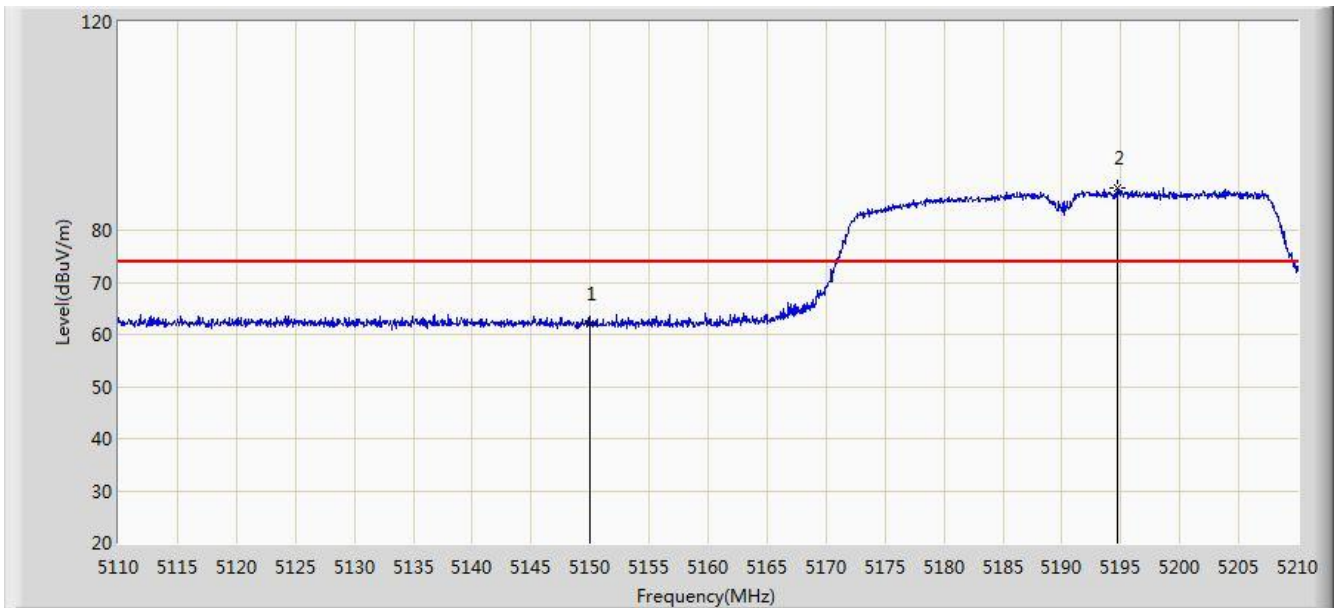
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.140	25.388	-11.860	74.000	36.752	PK
2		*	5194.650	88.231	51.605	N/A	N/A	36.626	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
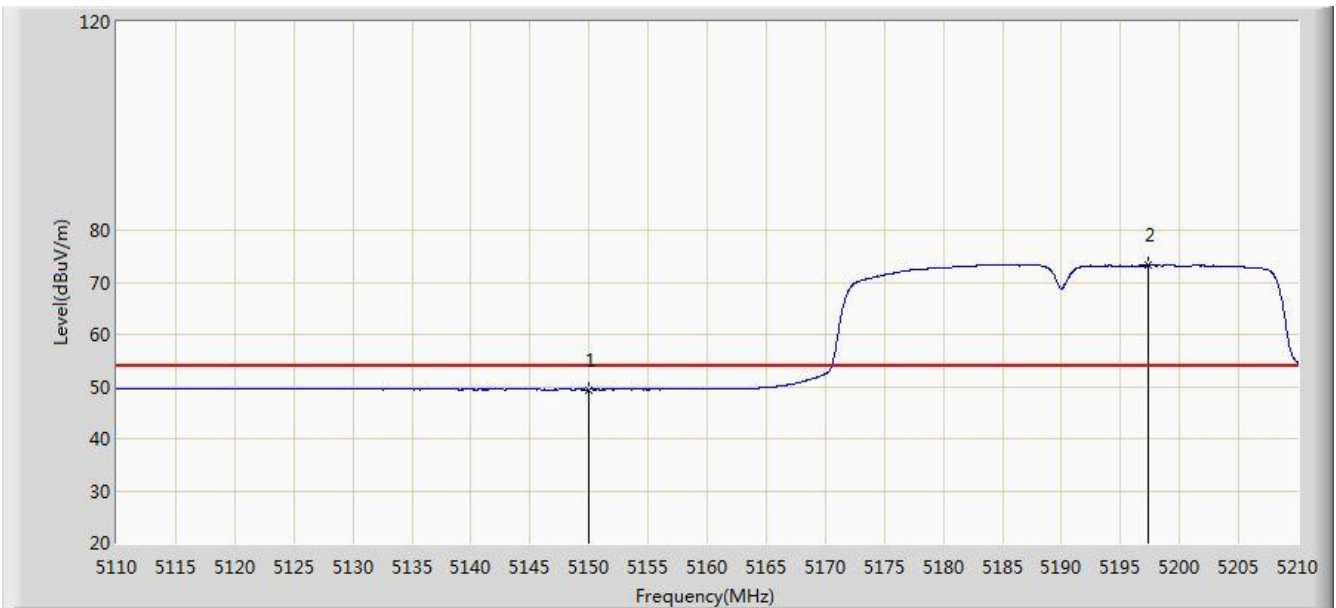
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.416	12.664	-4.584	54.000	36.752	AV
2		*	5197.350	73.269	36.650	N/A	N/A	36.619	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
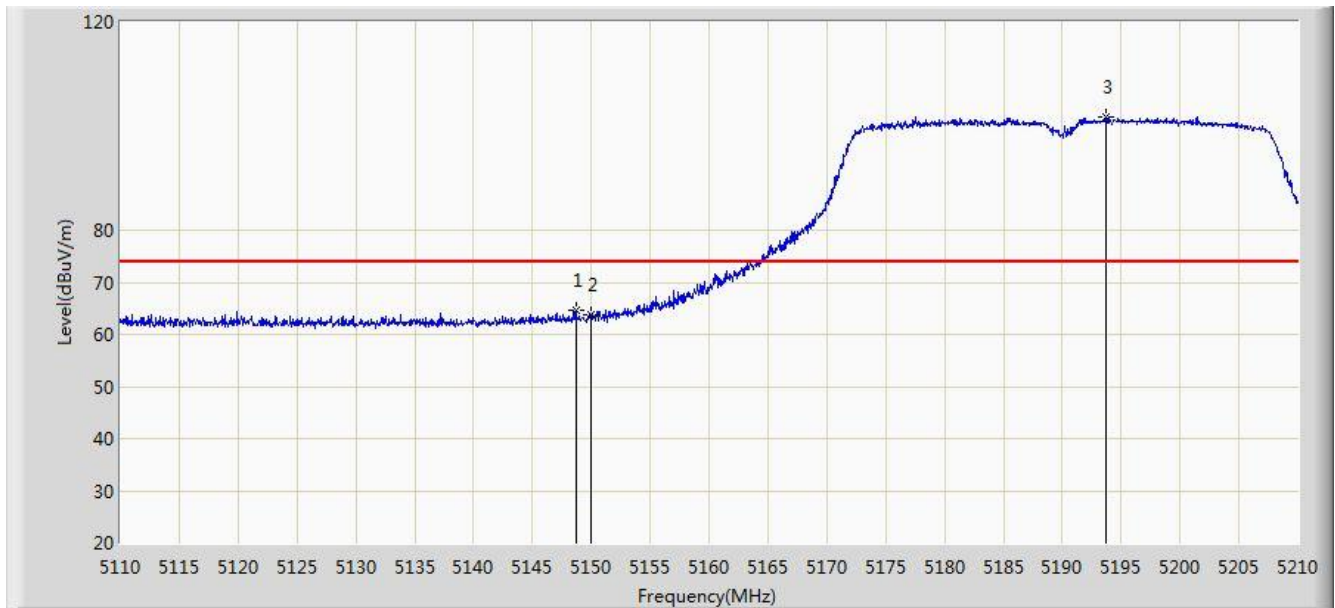
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	64.707	27.953	-9.293	74.000	36.754	PK
2			5150.000	63.834	27.082	-10.166	74.000	36.752	PK
3		*	5193.700	101.659	65.031	N/A	N/A	36.628	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	
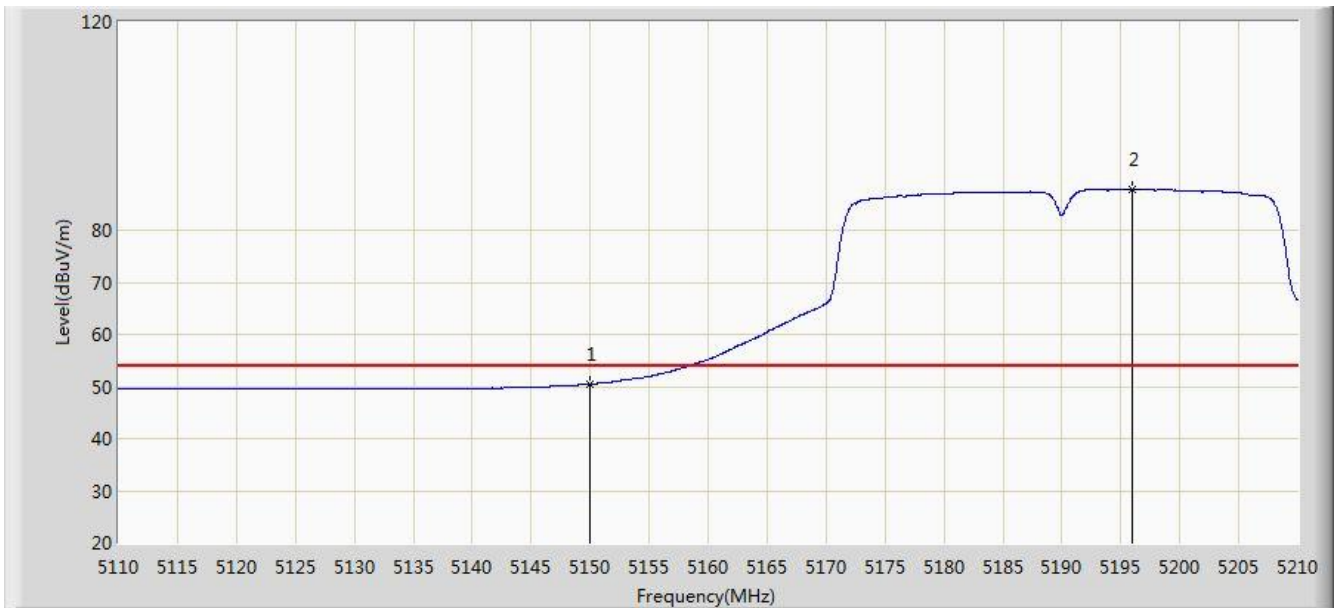
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.447	13.695	-3.553	54.000	36.752	AV
2		*	5195.950	87.922	51.300	N/A	N/A	36.623	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:42
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
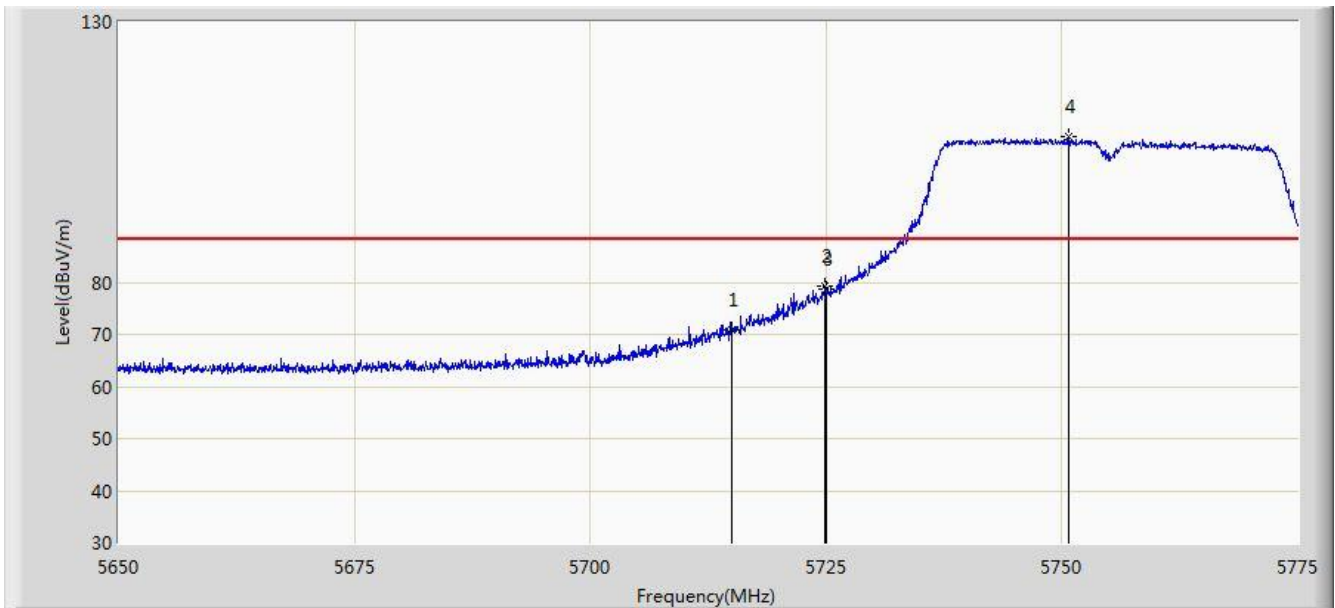
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	70.996	33.729	-17.204	88.200	37.267	PK
2			5724.875	79.272	41.968	-18.928	98.200	37.304	PK
3			5725.000	78.701	41.396	-19.499	98.200	37.305	PK
4		*	5750.750	107.849	70.442	N/A	N/A	37.408	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

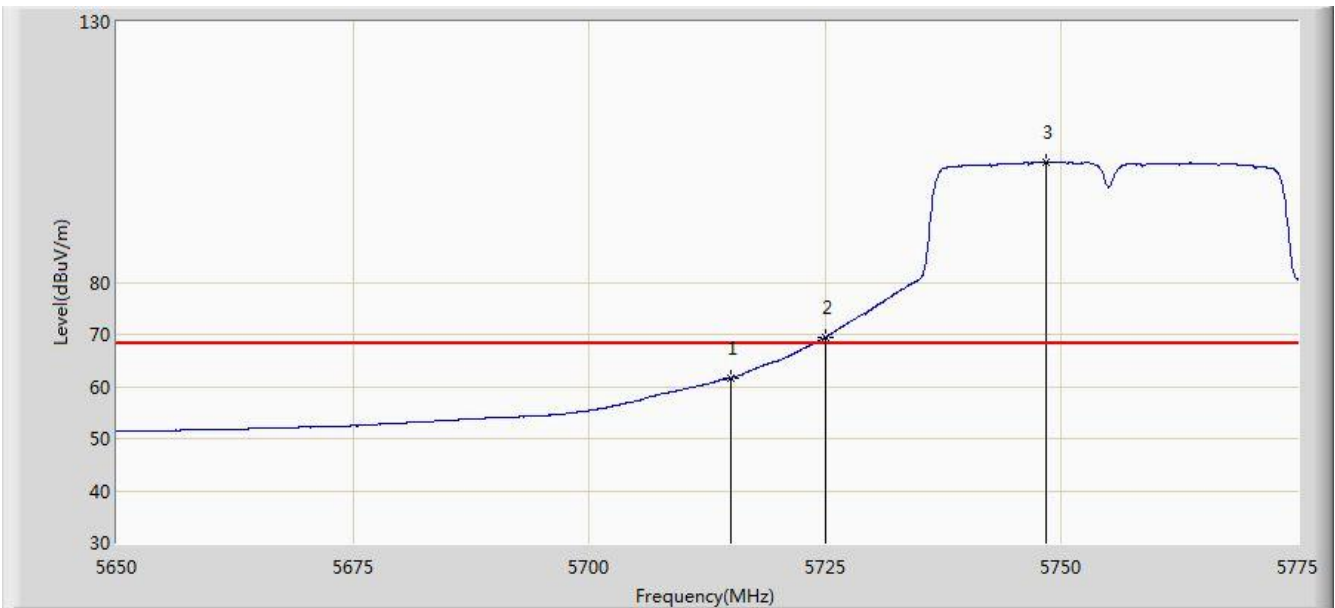| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:43
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
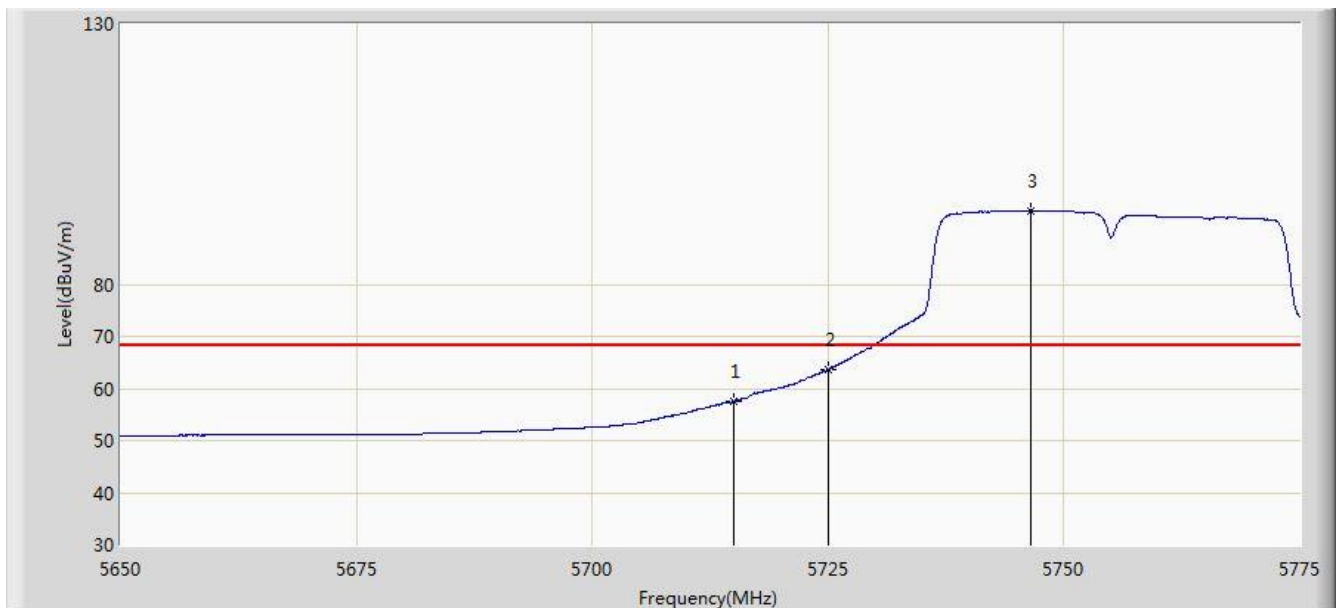
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.646	20.379	-10.554	68.200	37.267	AV
2			5725.000	63.573	26.268	-14.627	78.200	37.305	AV
3		*	5746.562	94.180	56.789	N/A	N/A	37.390	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

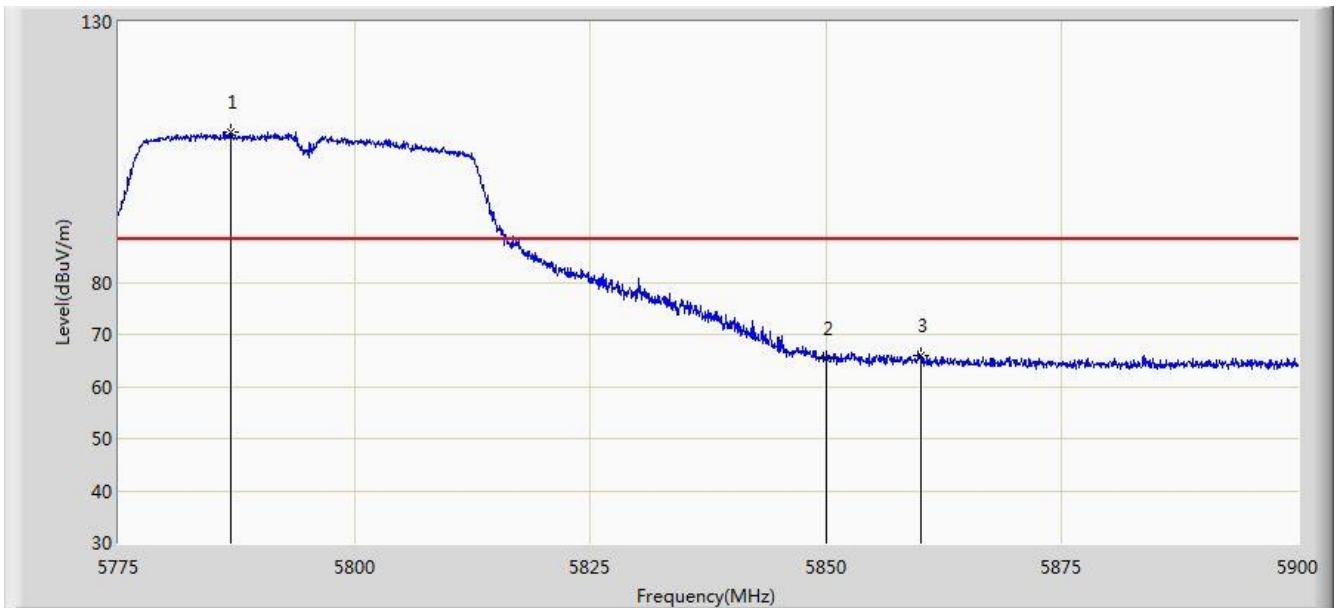| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:44
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	
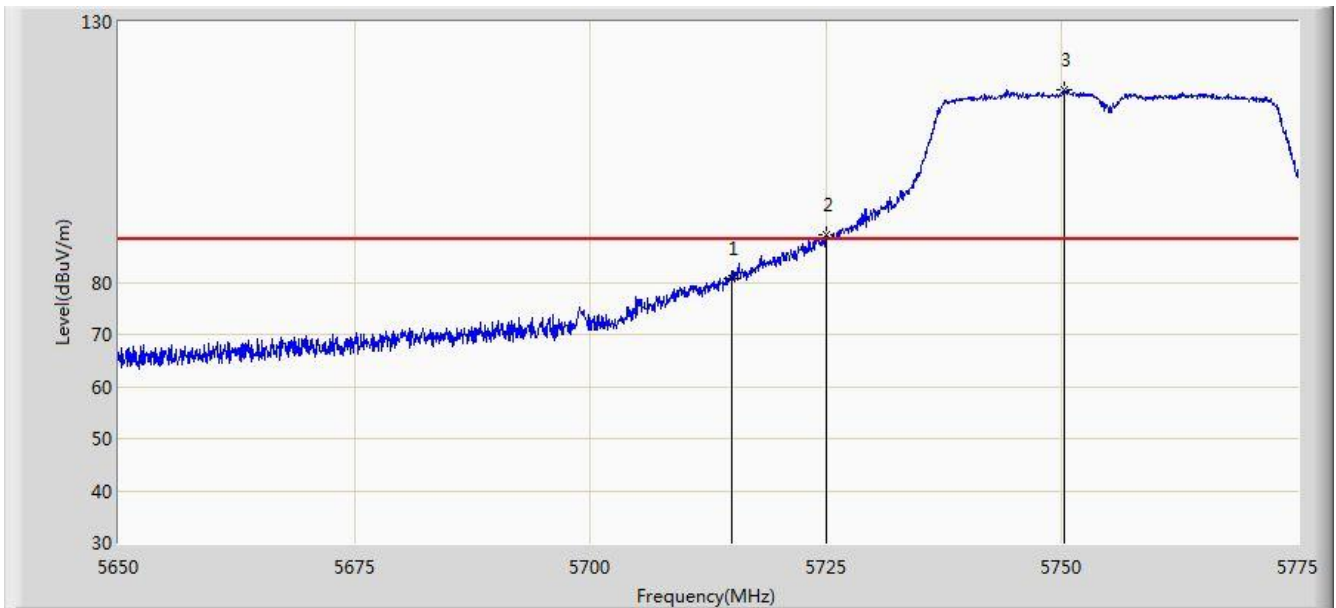
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	80.736	43.469	-7.464	88.200	37.267	PK
2			5725.000	89.023	51.718	-9.177	98.200	37.305	PK
3		*	5750.312	116.874	79.468	N/A	N/A	37.405	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:46
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.696	24.429	-6.504	68.200	37.267	AV
2			5725.000	69.419	32.114	-8.781	78.200	37.305	AV
3		*	5748.312	103.032	65.634	N/A	N/A	37.398	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

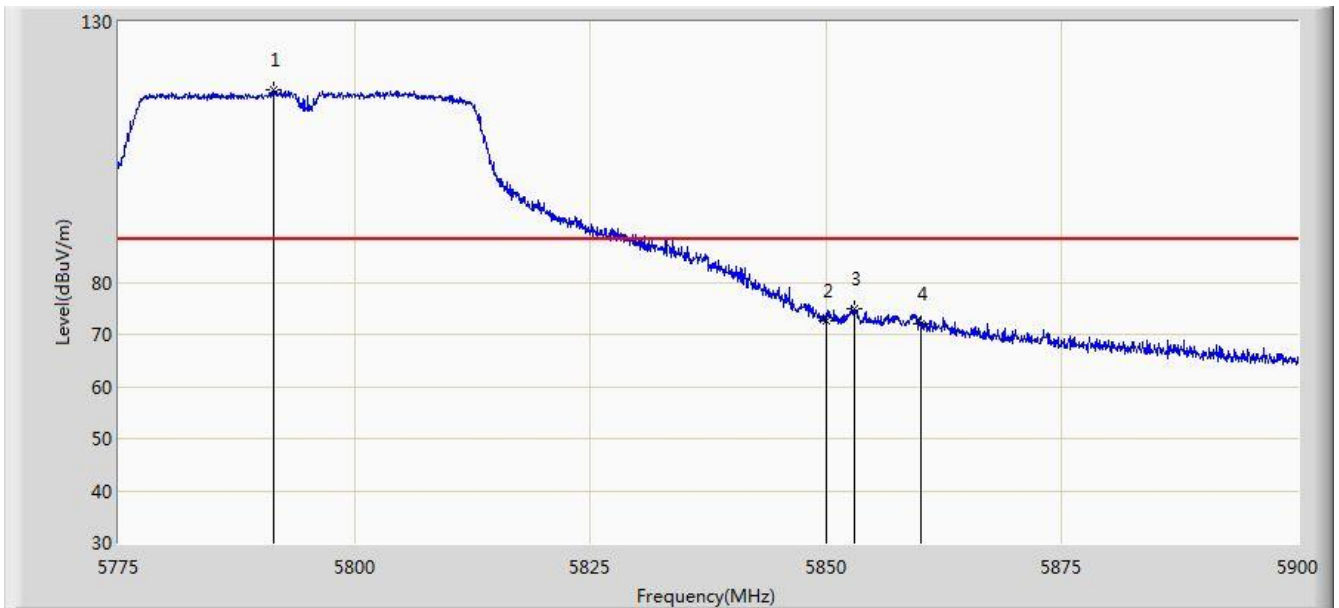| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:46
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.875	108.939	71.395	N/A	N/A	37.544	PK
2			5850.000	65.395	27.659	-32.805	98.200	37.736	PK
3			5860.000	65.854	28.080	-22.346	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

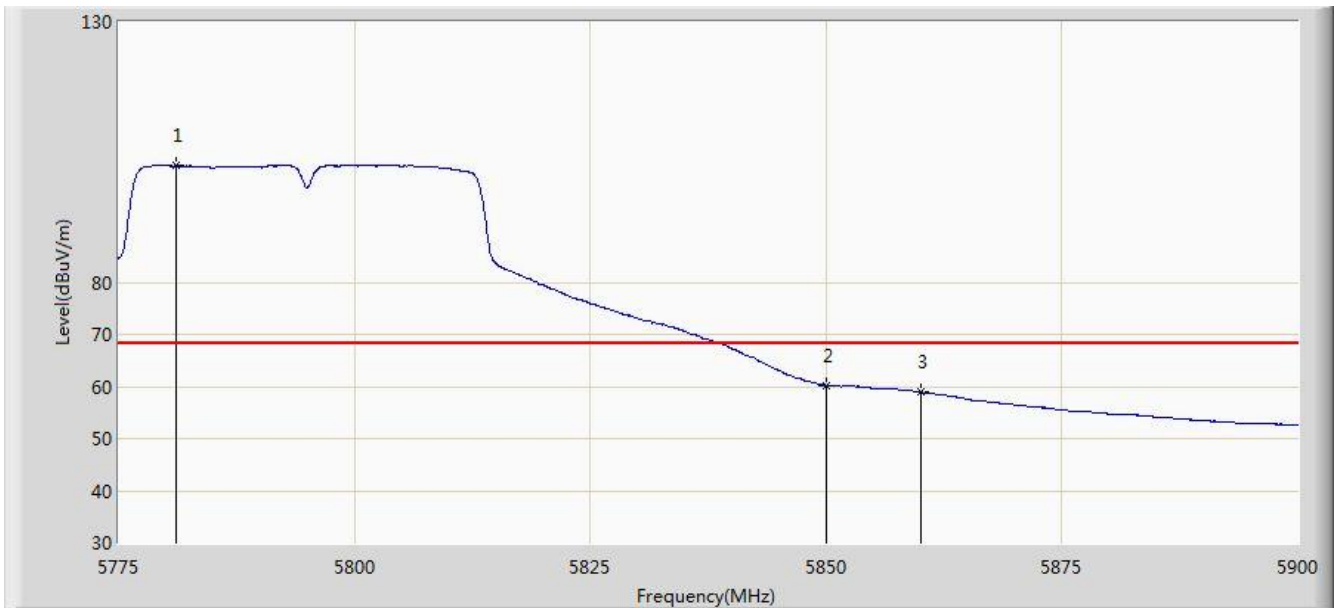| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:48
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	
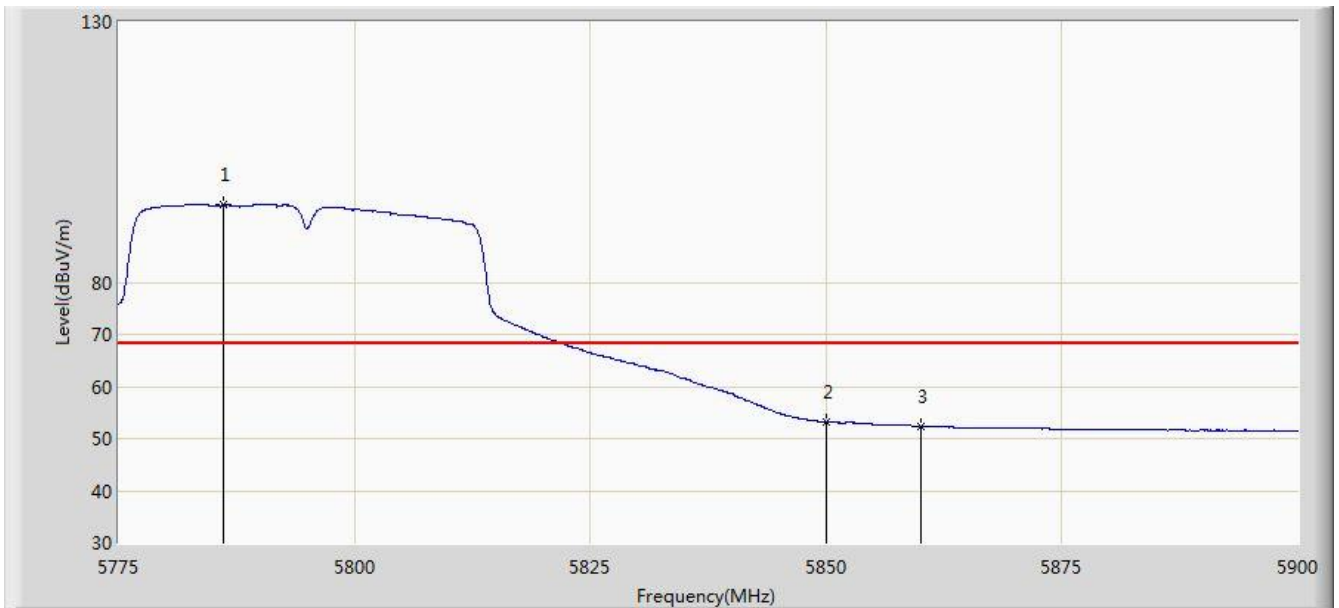
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.187	94.793	57.252	N/A	N/A	37.541	AV
2			5850.000	53.111	15.375	-25.089	78.200	37.736	AV
3			5860.000	52.424	14.650	-15.776	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.437	116.851	79.289	N/A	N/A	37.562	PK
2			5850.000	72.656	34.920	-25.544	98.200	37.736	PK
3			5853.000	74.886	37.139	-23.314	98.200	37.747	PK
4			5860.000	71.950	34.176	-16.250	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:49
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.125	102.373	64.852	N/A	N/A	37.521	AV
2			5850.000	60.253	22.517	-17.947	78.200	37.736	AV
3			5860.000	58.951	21.177	-9.249	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

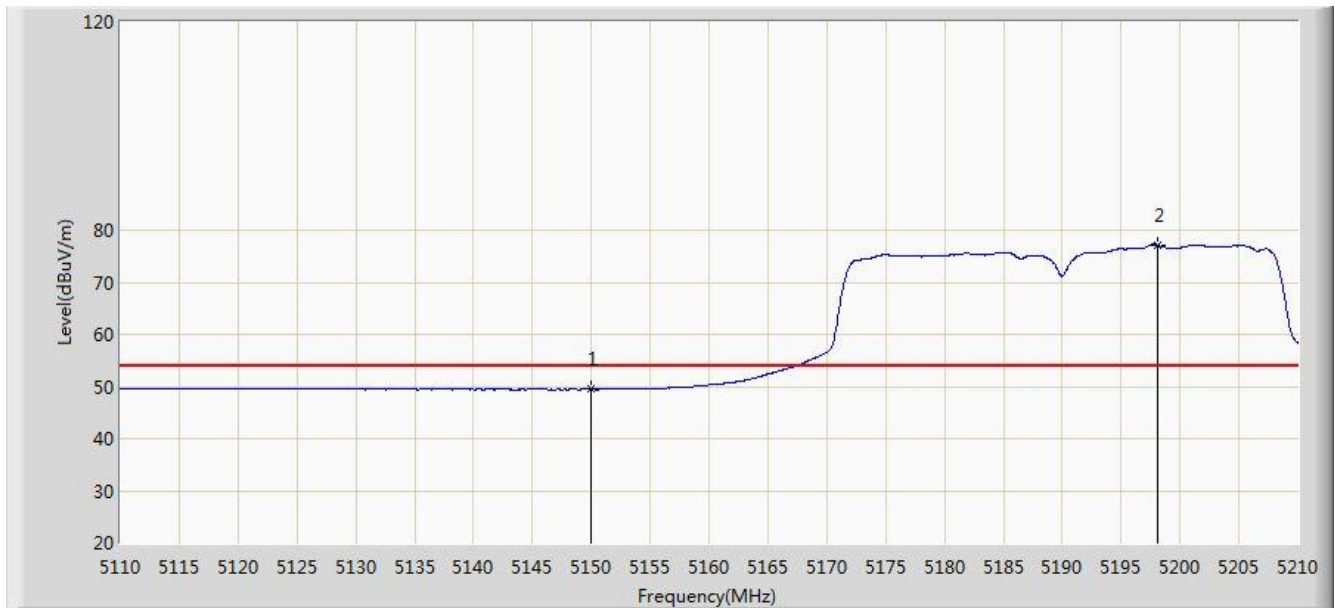| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	
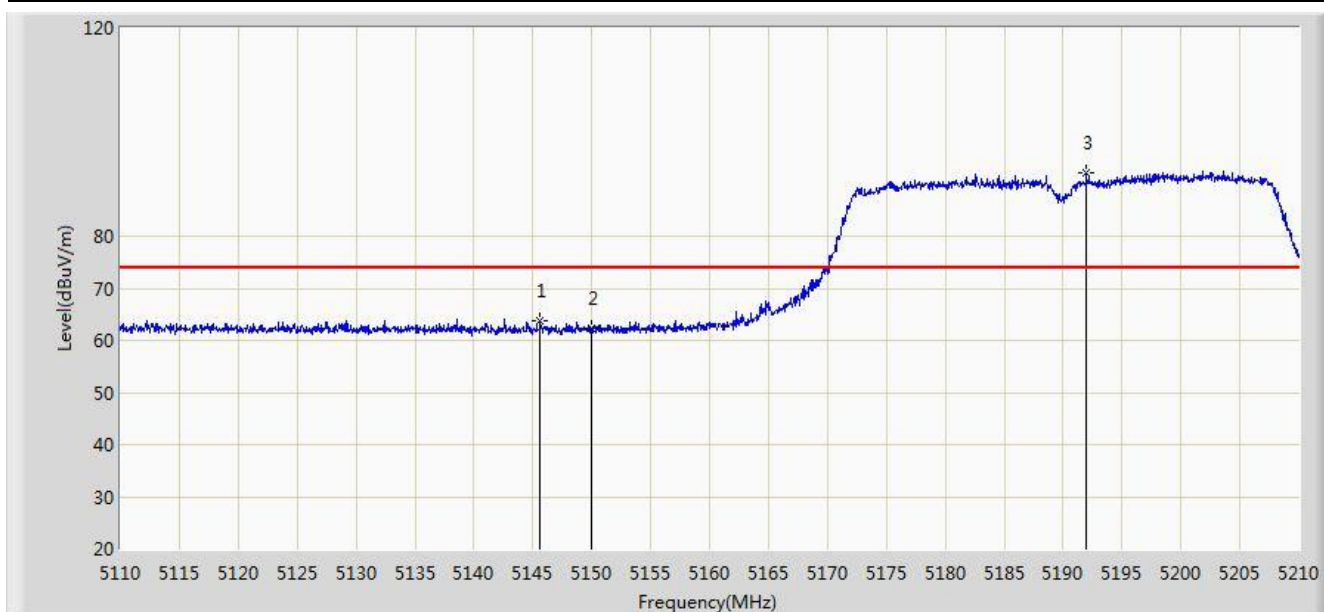
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.600	63.809	27.051	-10.191	74.000	36.758	PK
2			5150.000	62.289	25.537	-11.711	74.000	36.752	PK
3		*	5191.950	92.102	55.470	N/A	N/A	36.632	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

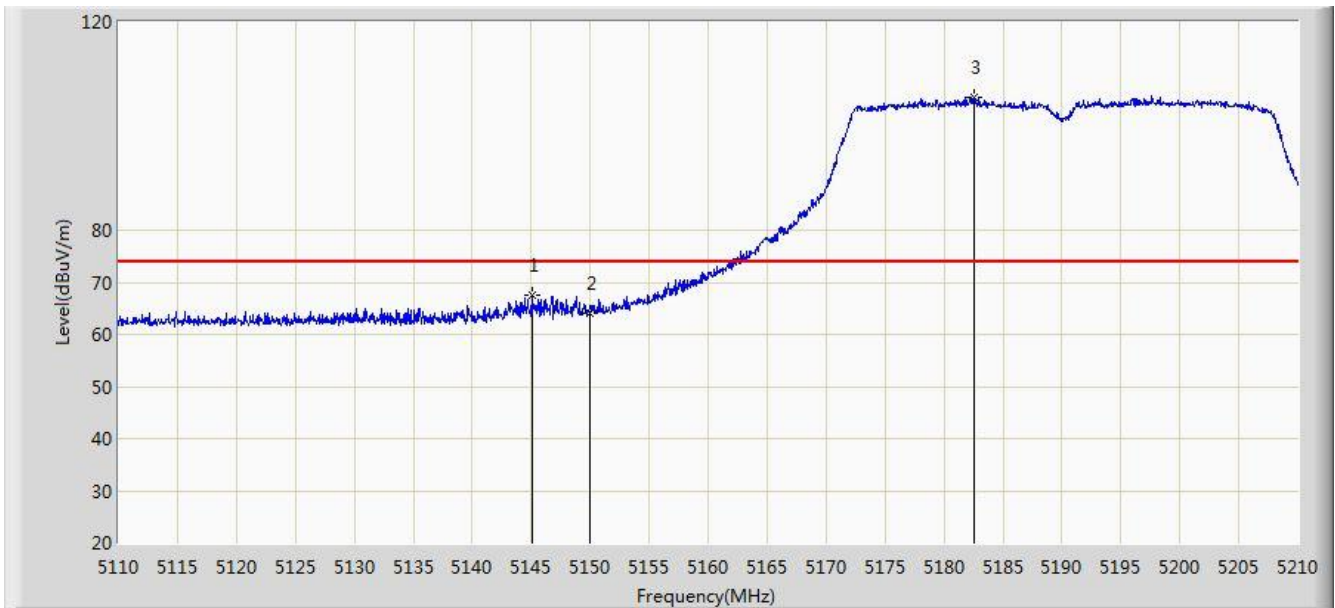| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.481	12.729	-4.519	54.000	36.752	AV
2		*	5198.150	77.024	40.407	N/A	N/A	36.616	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.050	67.476	30.717	-6.524	74.000	36.759	PK
2			5150.000	64.056	27.304	-9.944	74.000	36.752	PK
3		*	5182.500	105.634	68.976	N/A	N/A	36.657	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.025	14.273	-2.975	54.000	36.752	AV
2		*	5197.650	89.374	52.756	N/A	N/A	36.618	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:54
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
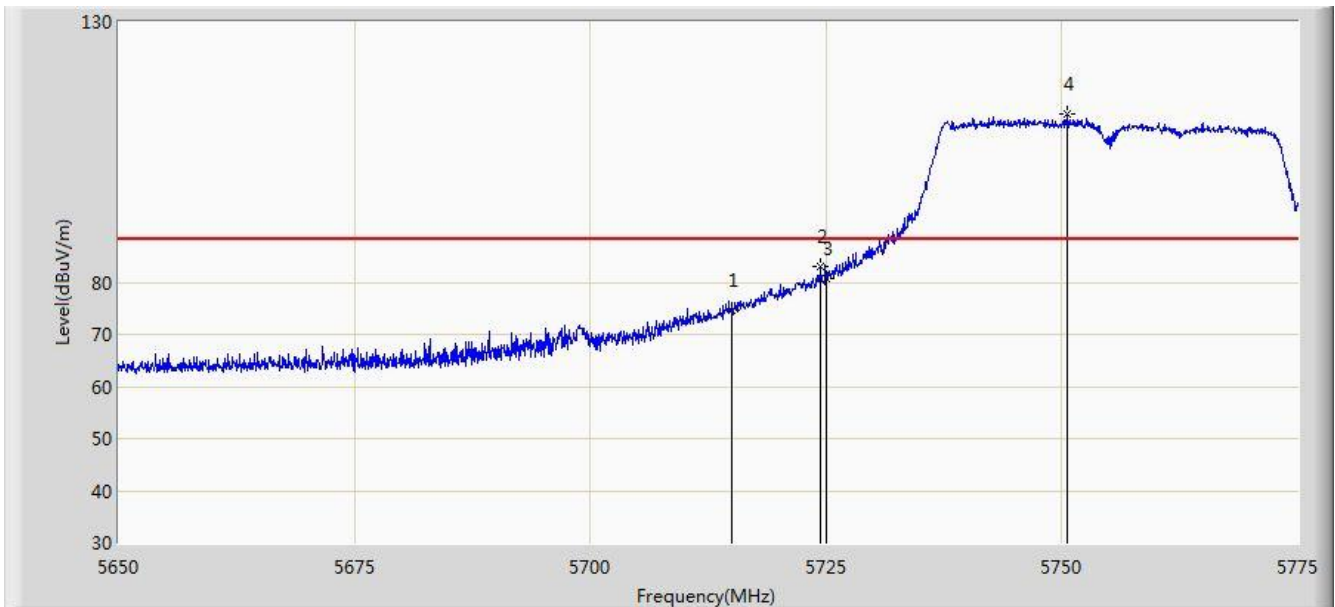
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	74.748	37.481	-13.452	88.200	37.267	PK
2			5724.437	83.050	45.747	-15.150	98.200	37.303	PK
3			5725.000	80.582	43.277	-17.618	98.200	37.305	PK
4		*	5750.500	112.329	74.923	N/A	N/A	37.406	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:55
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
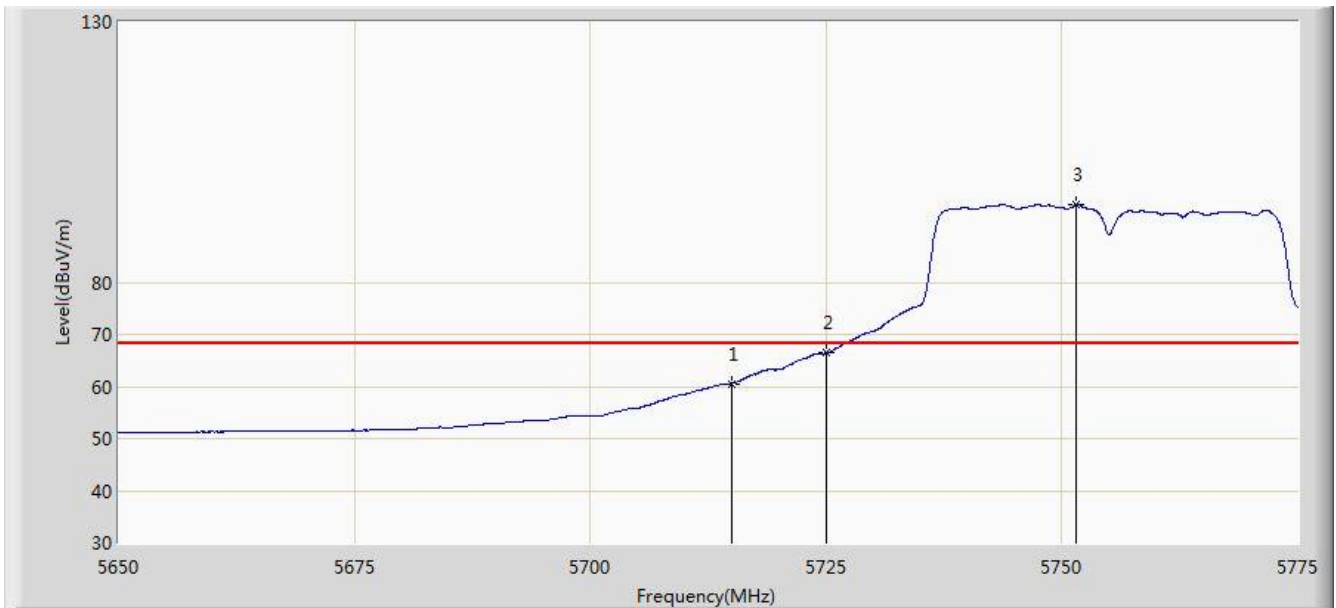
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	60.568	23.301	-7.632	68.200	37.267	AV
2			5725.000	66.424	29.119	-11.776	78.200	37.305	AV
3		*	5751.437	94.889	57.479	N/A	N/A	37.410	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

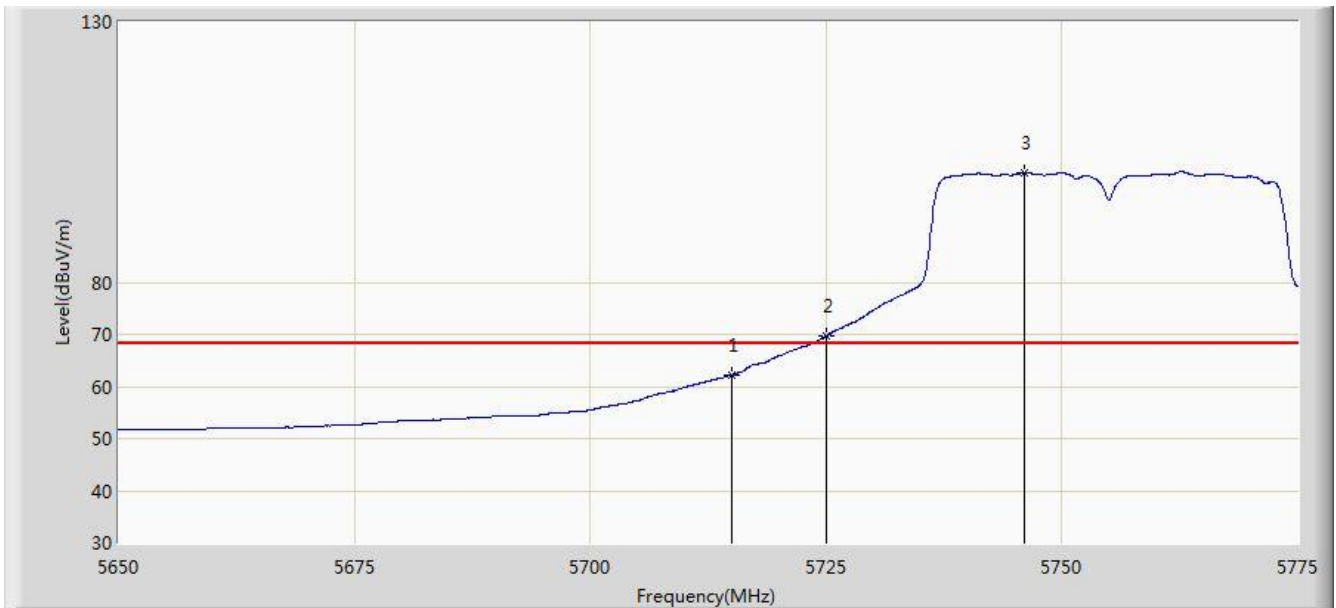| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:56
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	
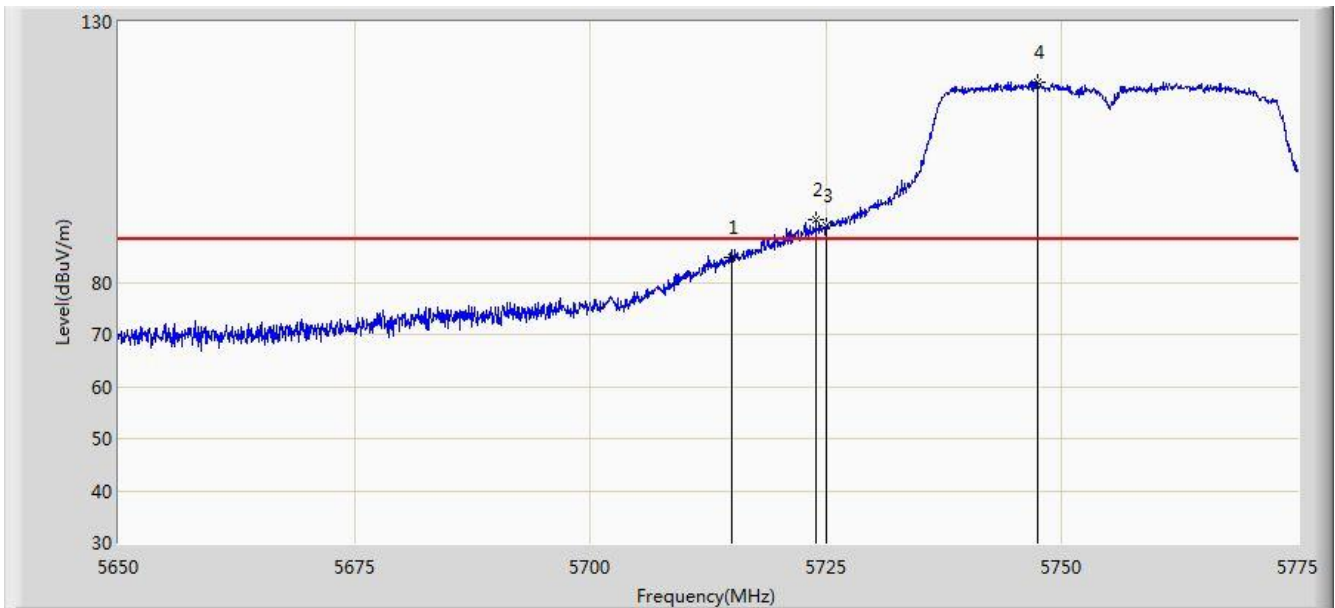
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	84.894	47.627	-3.306	88.200	37.267	PK
2			5723.937	91.945	54.644	-6.255	98.200	37.301	PK
3			5725.000	90.737	53.432	-7.463	98.200	37.305	PK
4		*	5747.375	118.401	81.007	N/A	N/A	37.394	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

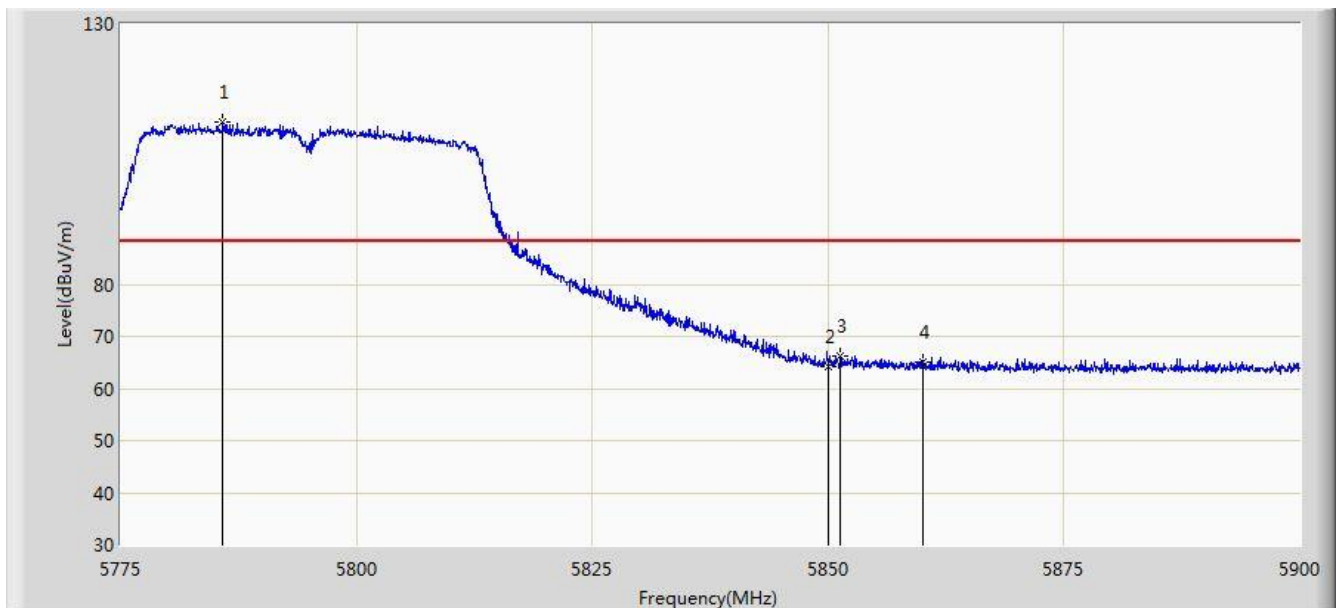| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:59
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.155	24.888	-6.045	68.200	37.267	AV
2			5725.000	69.674	32.369	-8.526	78.200	37.305	AV
3		*	5746.062	101.102	63.713	N/A	N/A	37.389	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/28 - 23:59
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.812	111.152	73.612	N/A	N/A	37.539	PK
2			5850.000	64.224	26.488	-33.976	98.200	37.736	PK
3			5851.312	66.278	28.537	-31.922	98.200	37.741	PK
4			5860.000	64.955	27.181	-23.245	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

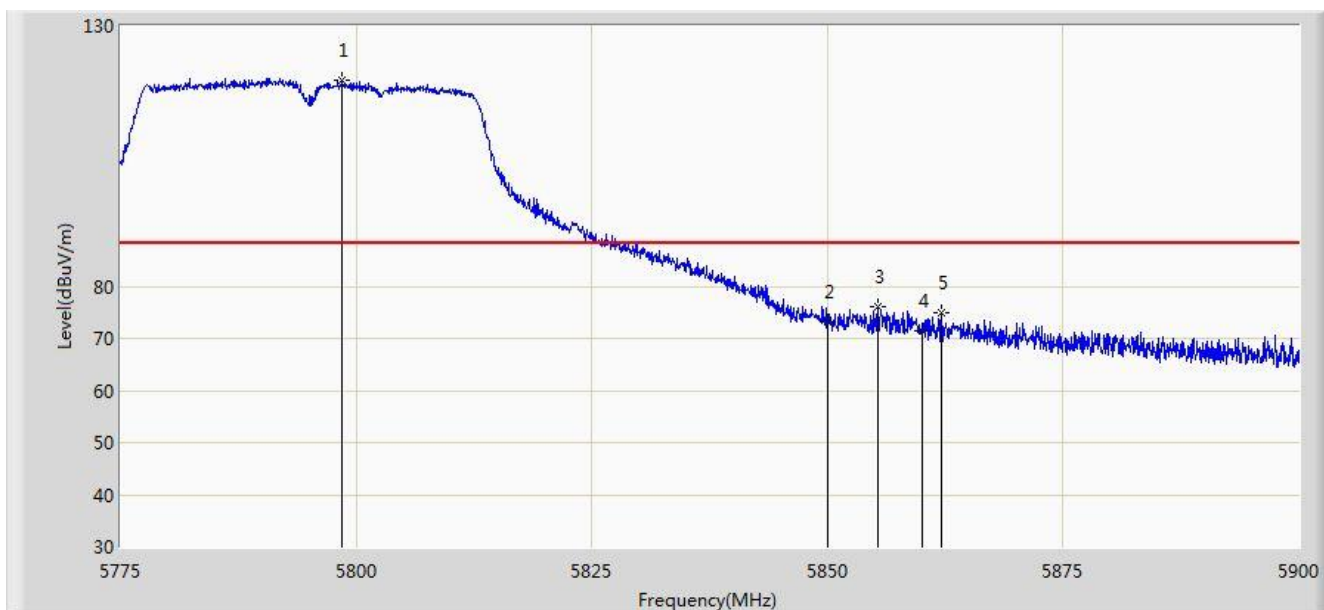| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 00:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	
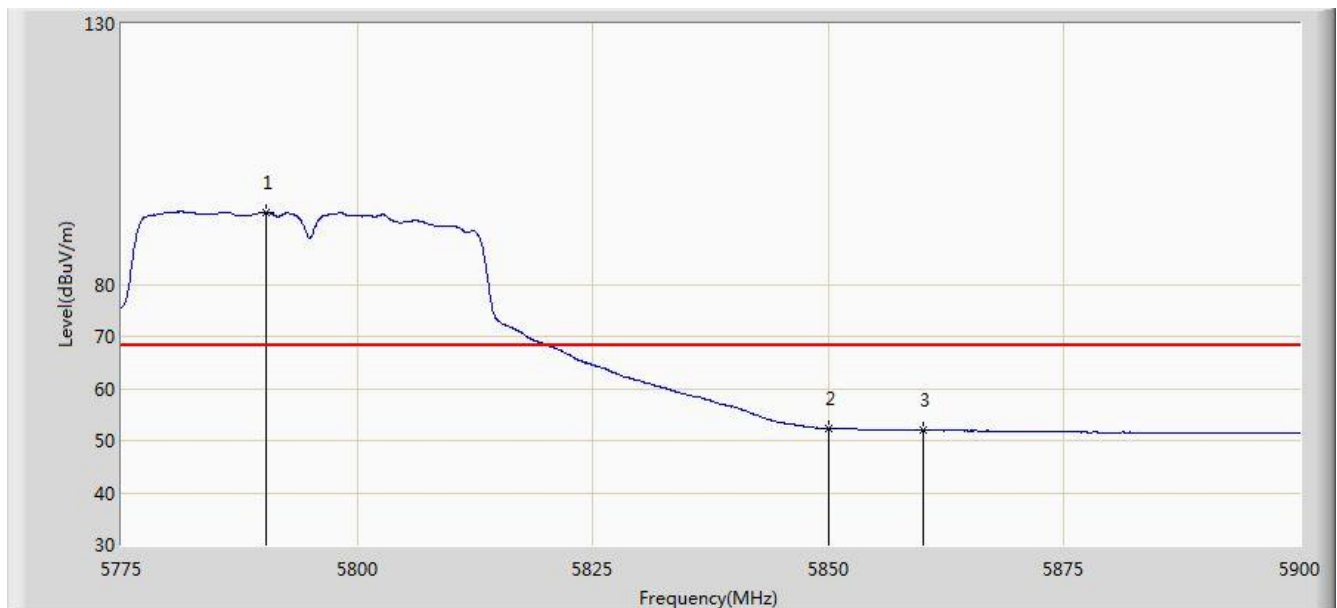
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.312	93.847	56.289	N/A	N/A	37.558	AV
2			5850.000	52.273	14.537	-25.927	78.200	37.736	AV
3			5860.000	51.949	14.175	-16.251	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

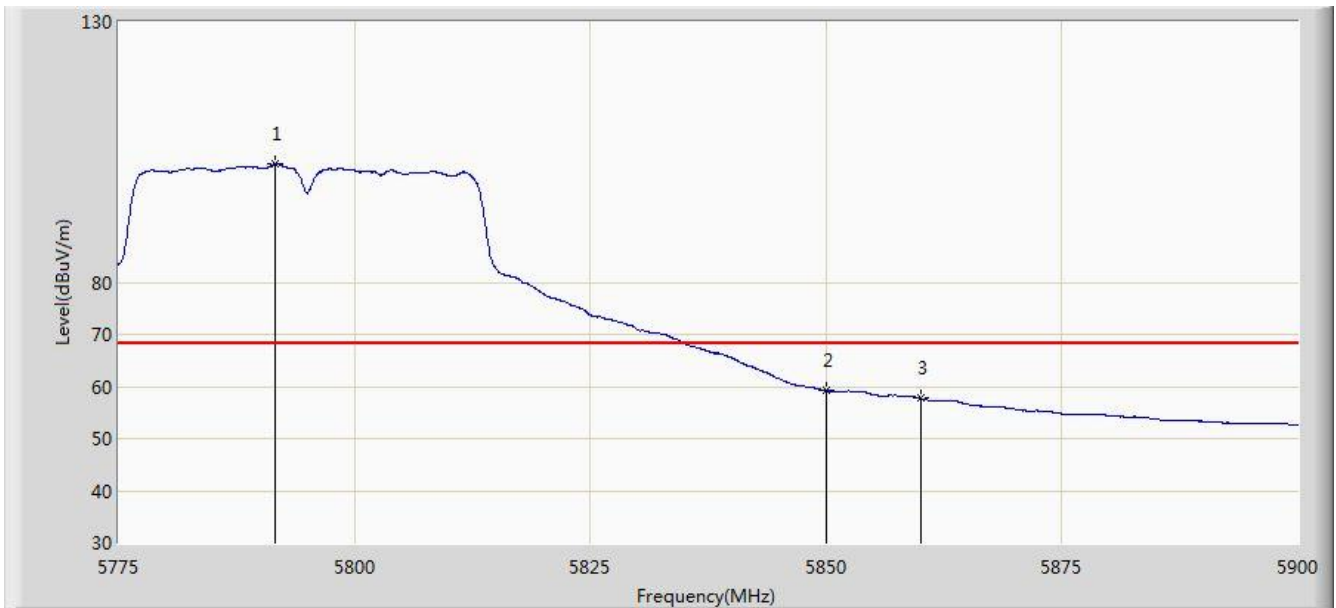| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 00:01
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.562	119.458	81.871	N/A	N/A	37.587	PK
2			5850.000	73.074	35.338	-25.126	98.200	37.736	PK
3			5855.312	76.097	38.341	-22.103	98.200	37.756	PK
4			5860.000	71.356	33.582	-16.844	88.200	37.774	PK
5			5862.062	75.050	37.268	-13.150	88.200	37.782	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 00:01
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.625	102.791	65.228	N/A	N/A	37.563	AV
2			5850.000	59.257	21.521	-18.943	78.200	37.736	AV
3			5860.000	57.732	19.958	-10.468	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	
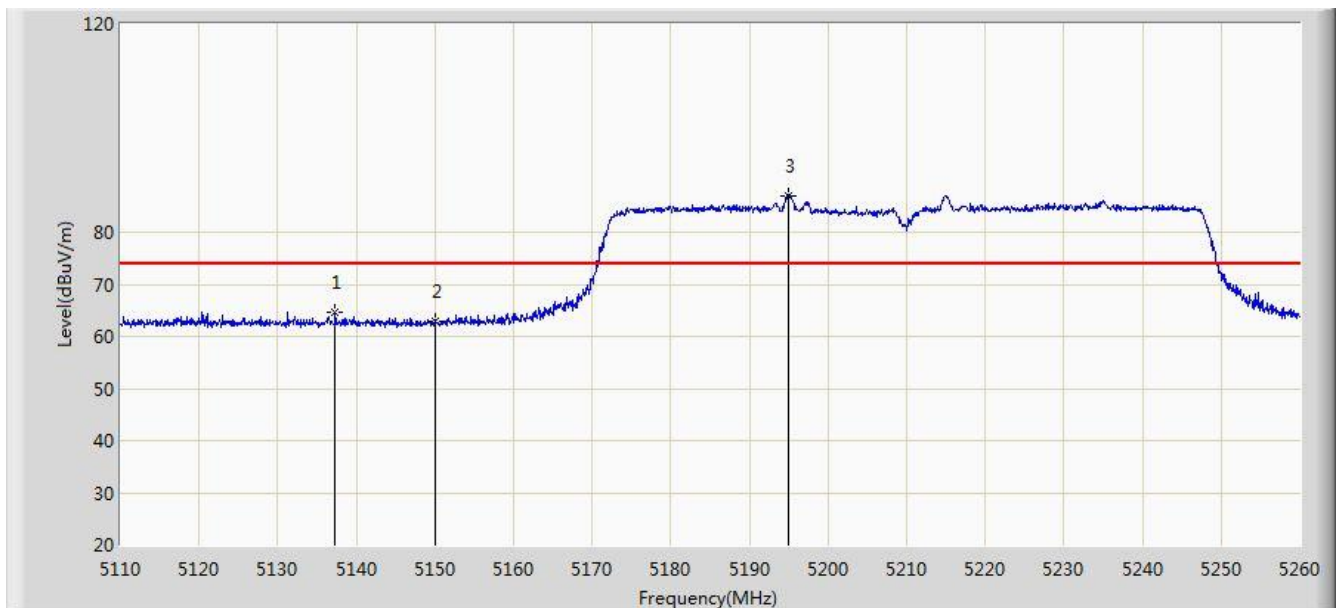
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.300	64.510	27.740	-9.490	74.000	36.770	PK
2			5150.000	62.925	26.173	-11.075	74.000	36.752	PK
3		*	5195.050	87.079	50.454	N/A	N/A	36.624	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	
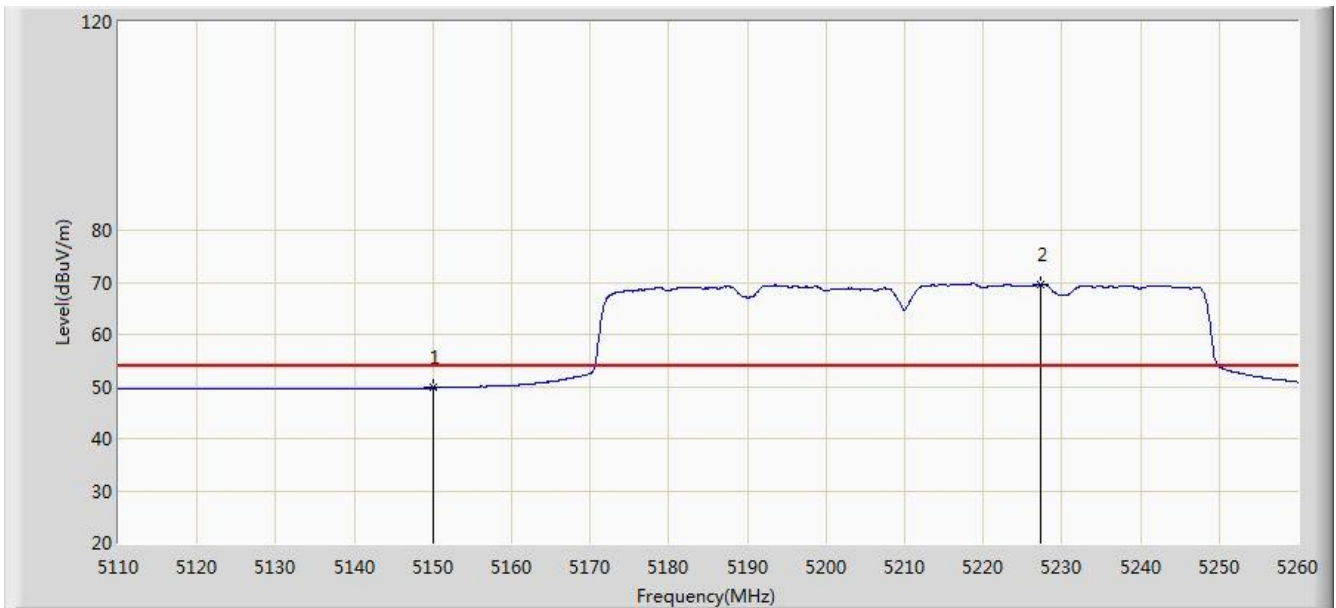
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.745	12.993	-4.255	54.000	36.752	AV
2		*	5227.225	69.610	33.060	N/A	N/A	36.549	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	
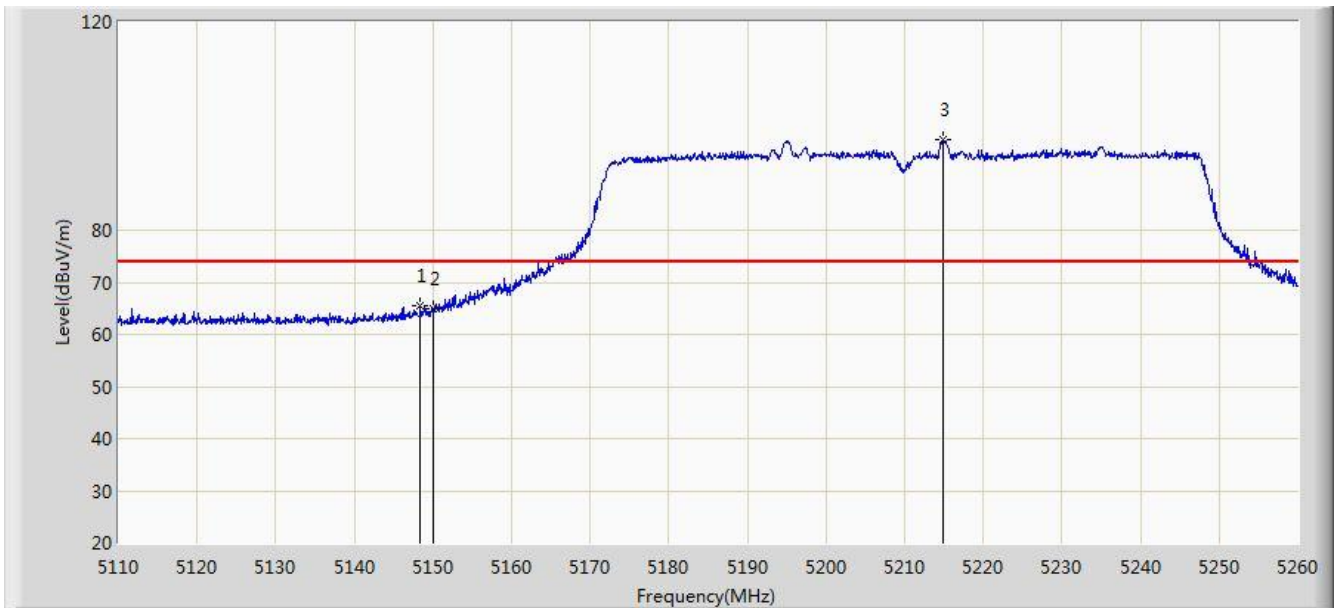
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	65.564	28.810	-8.436	74.000	36.754	PK
2			5150.000	64.828	28.076	-9.172	74.000	36.752	PK
3		*	5214.925	97.272	60.688	N/A	N/A	36.584	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	
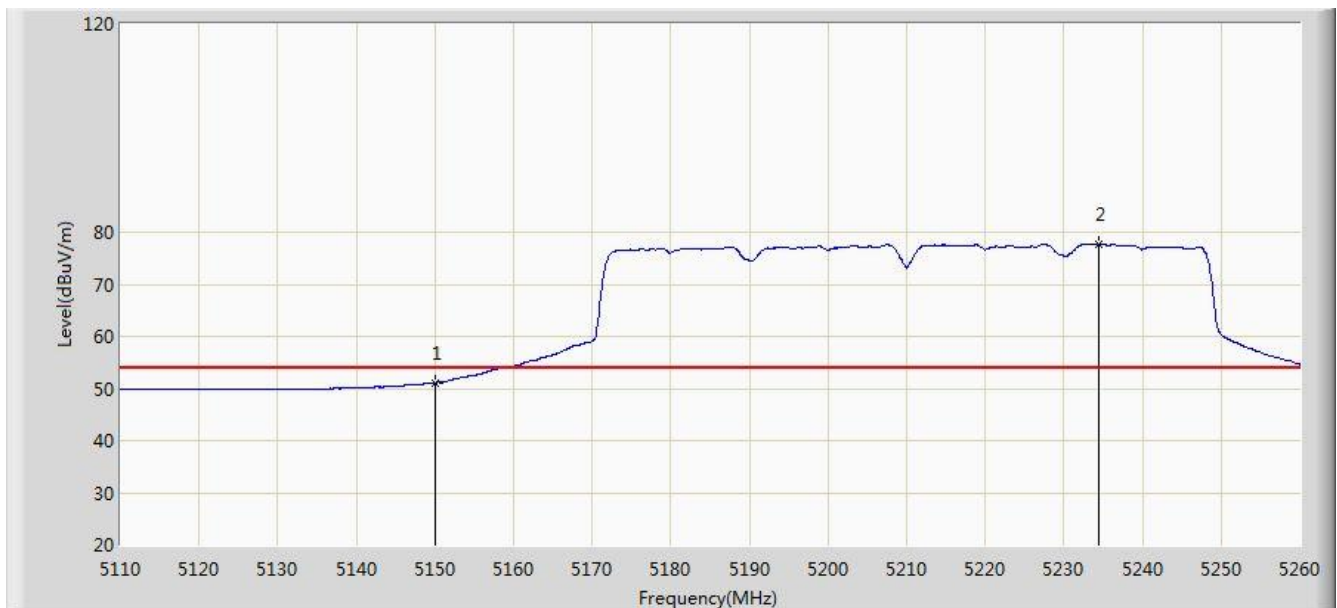
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.042	14.290	-2.958	54.000	36.752	AV
2		*	5234.350	77.630	41.102	N/A	N/A	36.528	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 12:45
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	
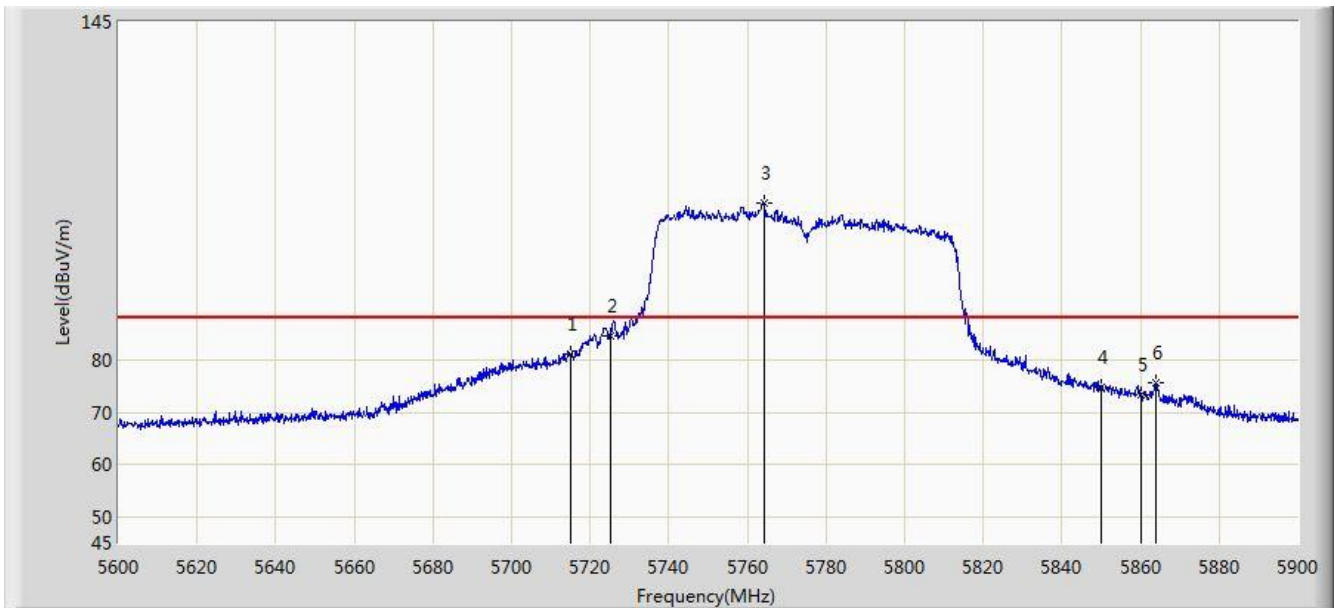
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	81.105	43.838	-7.095	88.200	37.267	PK
2			5725.000	84.633	47.328	-13.567	98.200	37.305	PK
3		*	5764.100	110.249	72.792	N/A	N/A	37.457	PK
4			5850.000	74.757	37.021	-23.443	98.200	37.736	PK
5			5860.000	73.514	35.740	-14.686	88.200	37.774	PK
6			5864.000	75.742	37.957	-12.458	88.200	37.786	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 12:50
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	
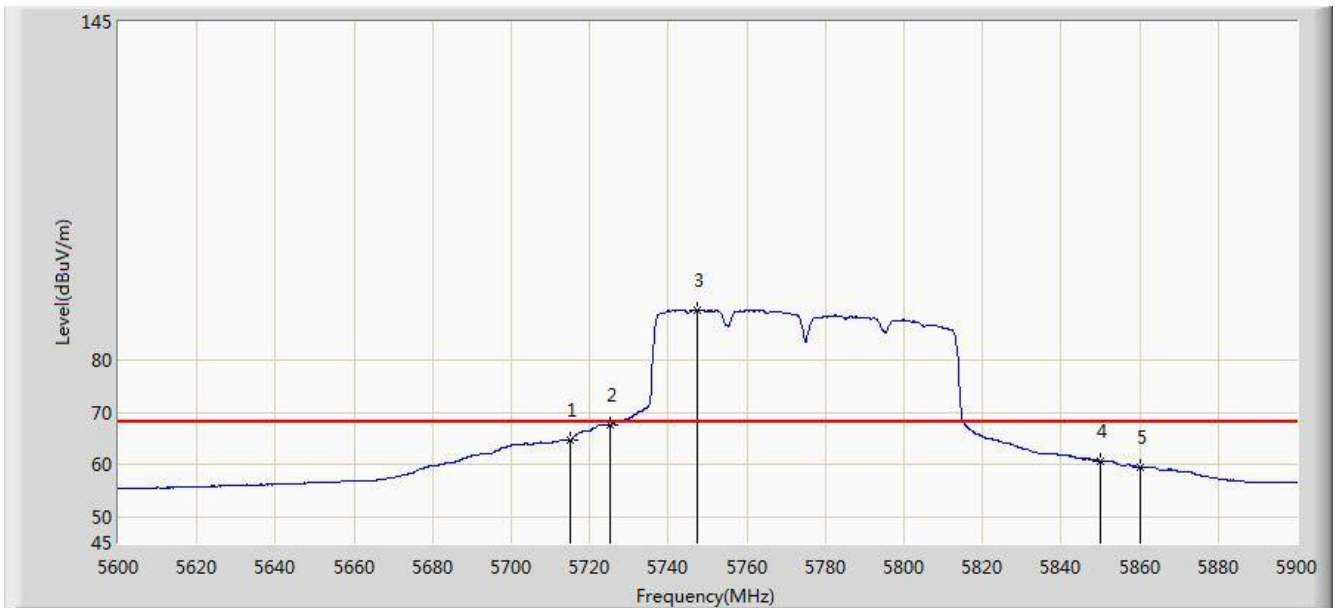
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.683	27.416	-3.517	68.200	37.267	AV
2			5725.000	67.555	30.250	-10.645	78.200	37.305	AV
3		*	5747.450	89.569	52.175	N/A	N/A	37.395	AV
4			5850.000	60.572	22.836	-17.628	78.200	37.736	AV
5			5860.000	59.473	21.699	-8.727	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 12:58
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	
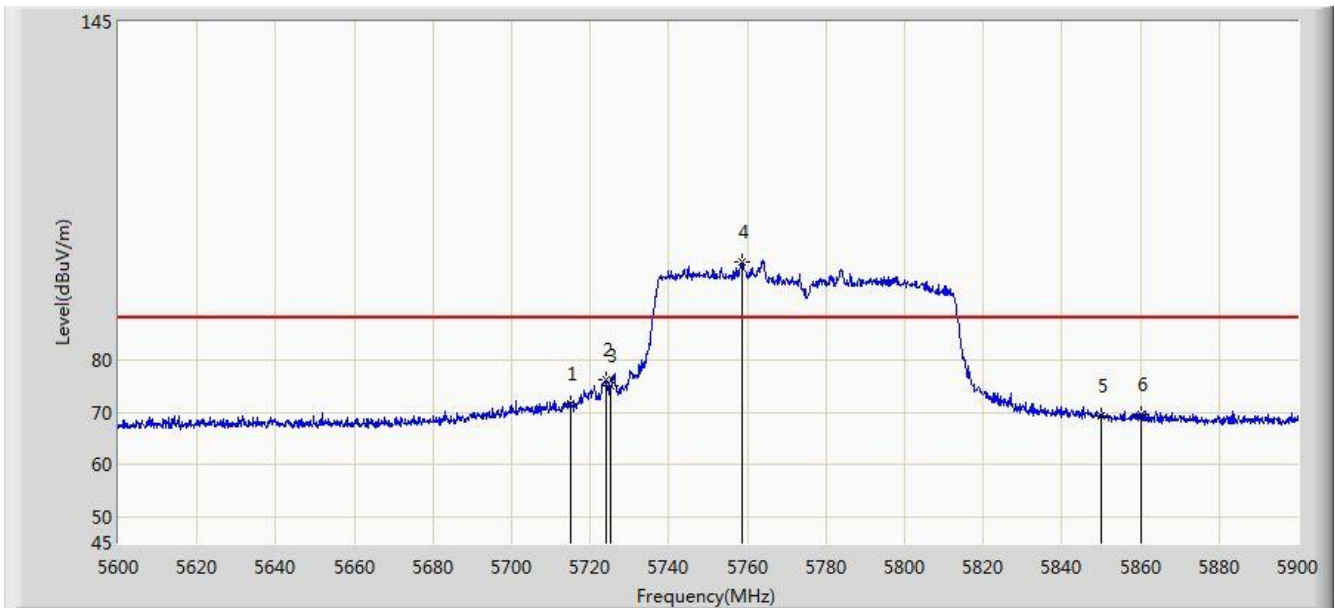
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	71.667	34.400	-16.533	88.200	37.267	PK
2			5723.900	76.337	39.036	-21.863	98.200	37.301	PK
3			5725.000	75.059	37.754	-23.141	98.200	37.305	PK
4		*	5758.550	98.894	61.457	N/A	N/A	37.437	PK
5			5850.000	69.263	31.527	-28.937	98.200	37.736	PK
6			5860.000	69.672	31.898	-18.528	88.200	37.774	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 12:59
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	
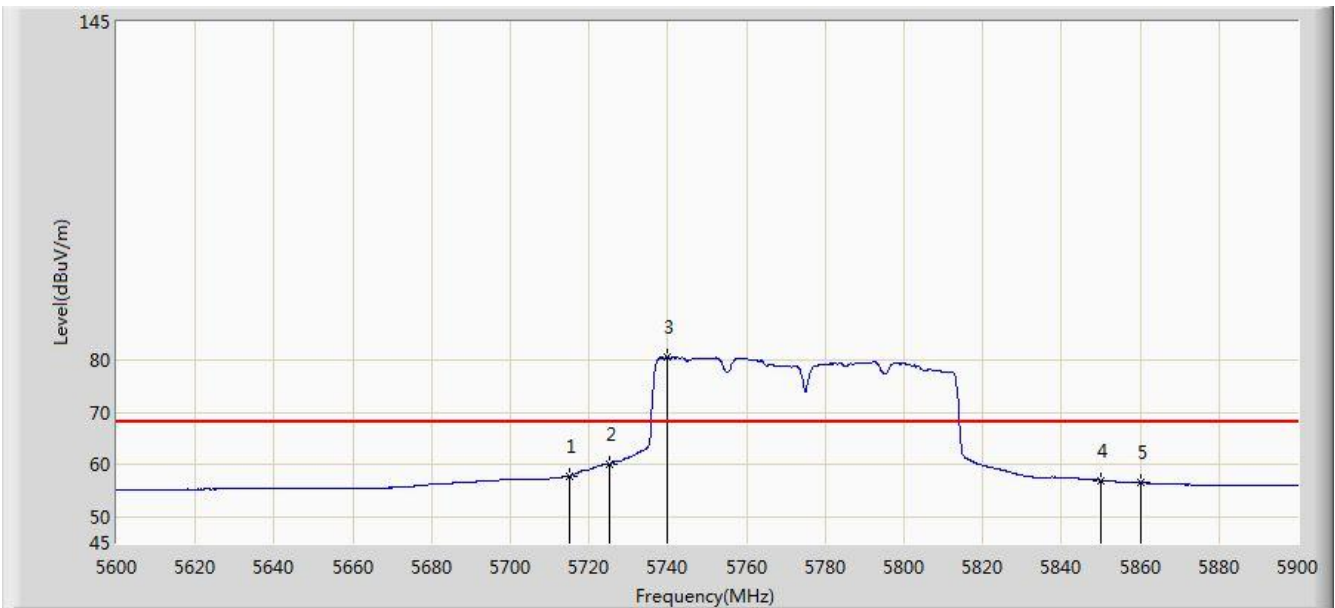
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.798	20.531	-10.402	68.200	37.267	AV
2			5725.000	60.075	22.770	-18.125	78.200	37.305	AV
3		*	5739.800	80.597	43.233	N/A	N/A	37.364	AV
4			5850.000	56.971	19.235	-21.229	78.200	37.736	AV
5			5860.000	56.456	18.682	-11.744	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

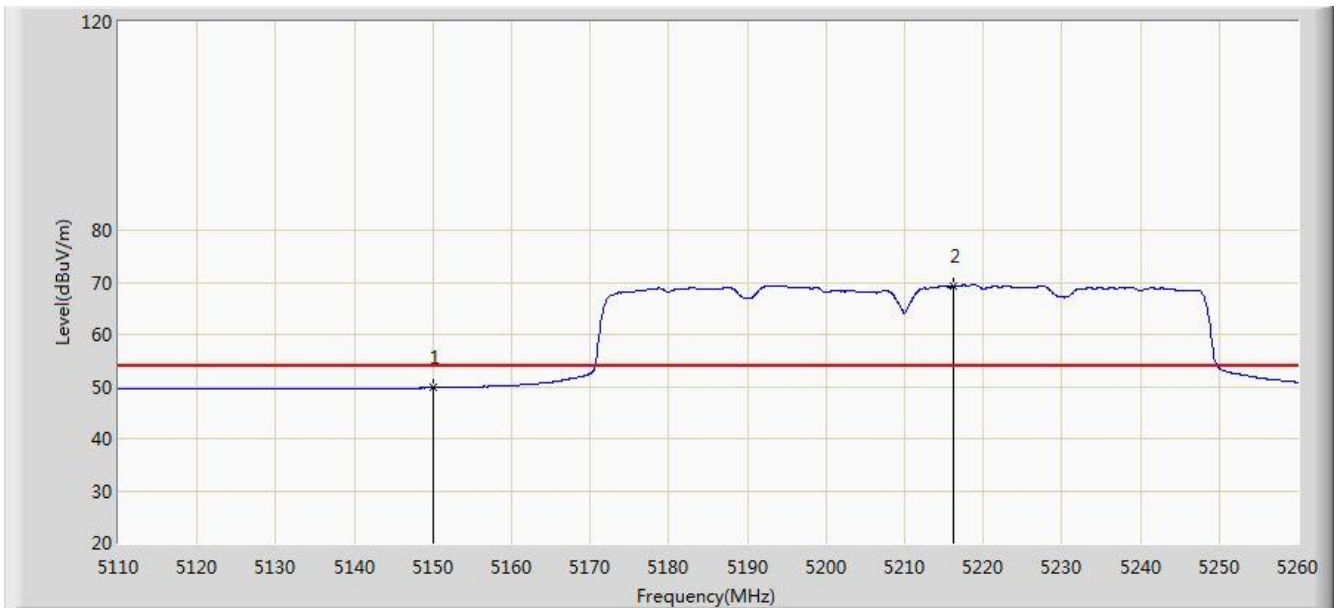| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
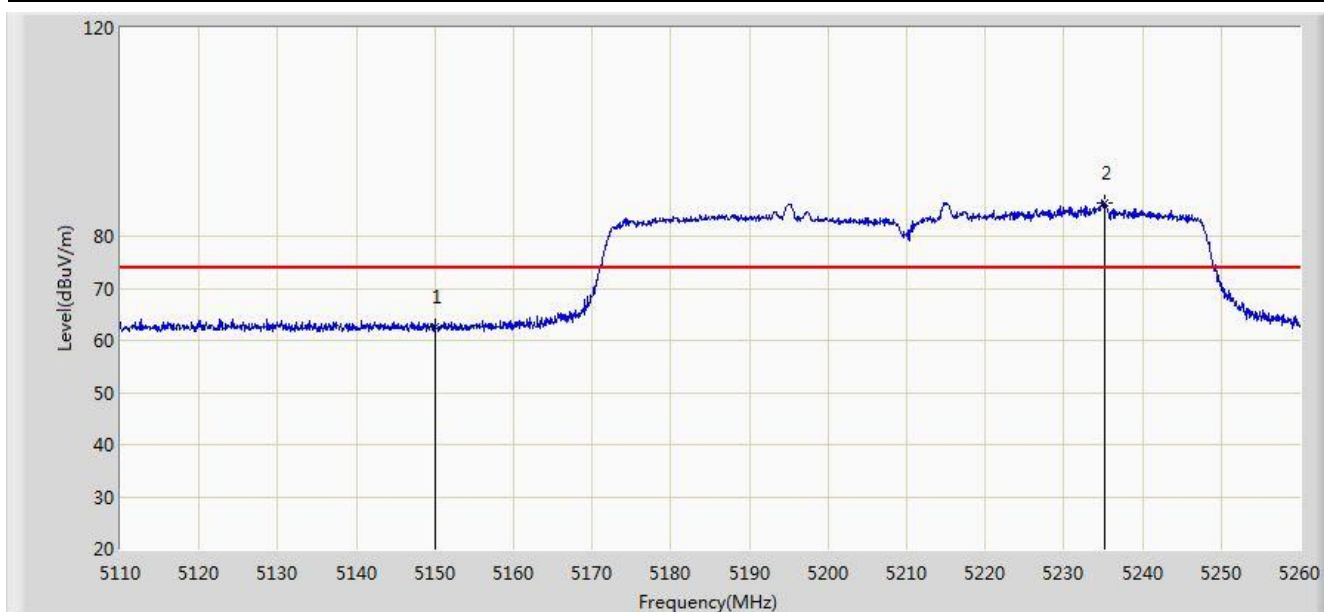
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.556	25.804	-11.444	74.000	36.752	PK
2		*	5235.175	86.361	49.836	N/A	N/A	36.525	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

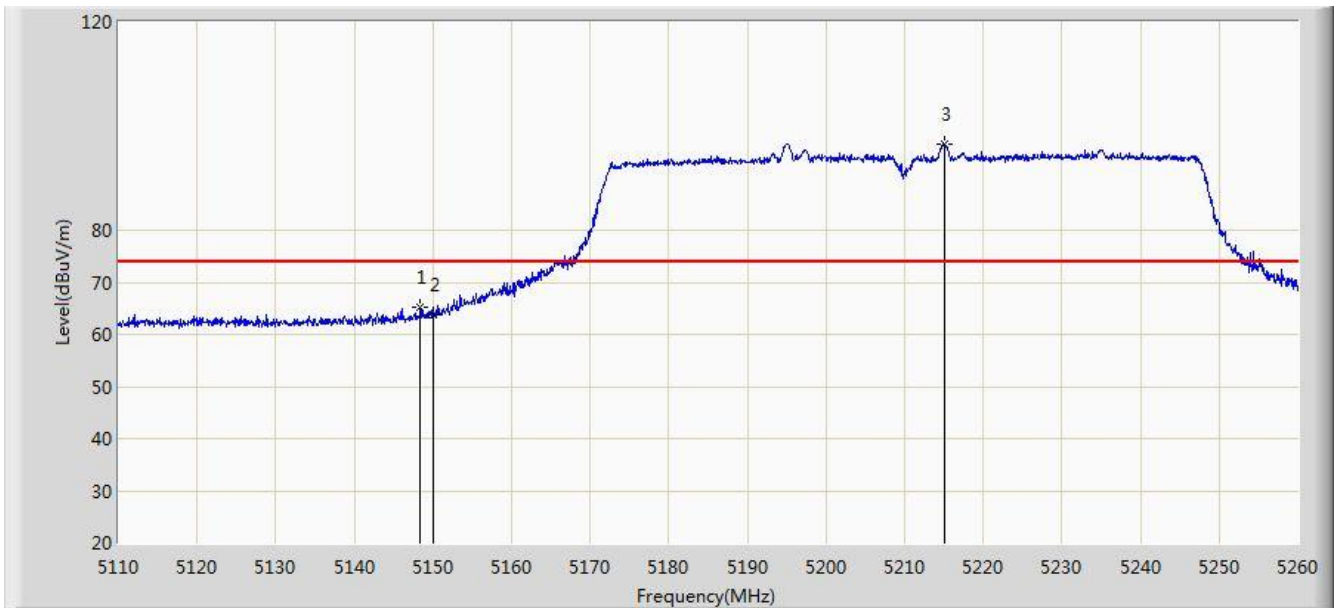| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.746	12.994	-4.254	54.000	36.752	AV
2		*	5216.275	69.347	32.766	N/A	N/A	36.581	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	65.351	28.597	-8.649	74.000	36.754	PK
2			5150.000	63.748	26.996	-10.252	74.000	36.752	PK
3		*	5215.150	96.437	59.854	N/A	N/A	36.583	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	
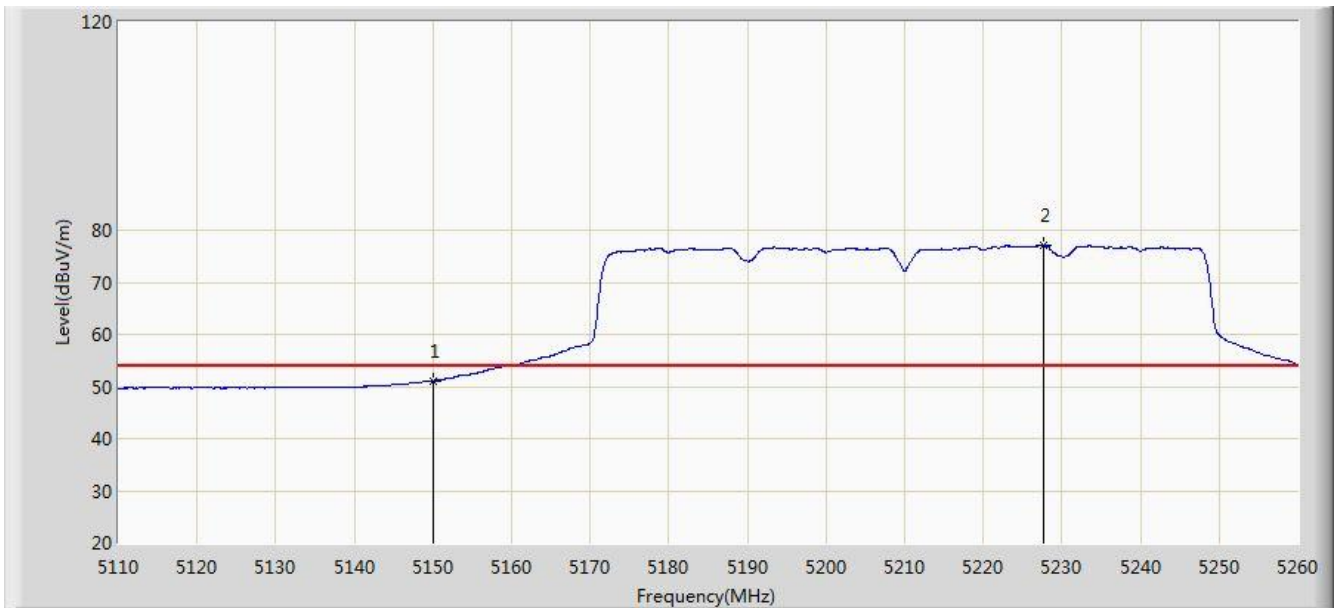
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.041	14.289	-2.959	54.000	36.752	AV
2		*	5227.750	77.063	40.515	N/A	N/A	36.548	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:02
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	
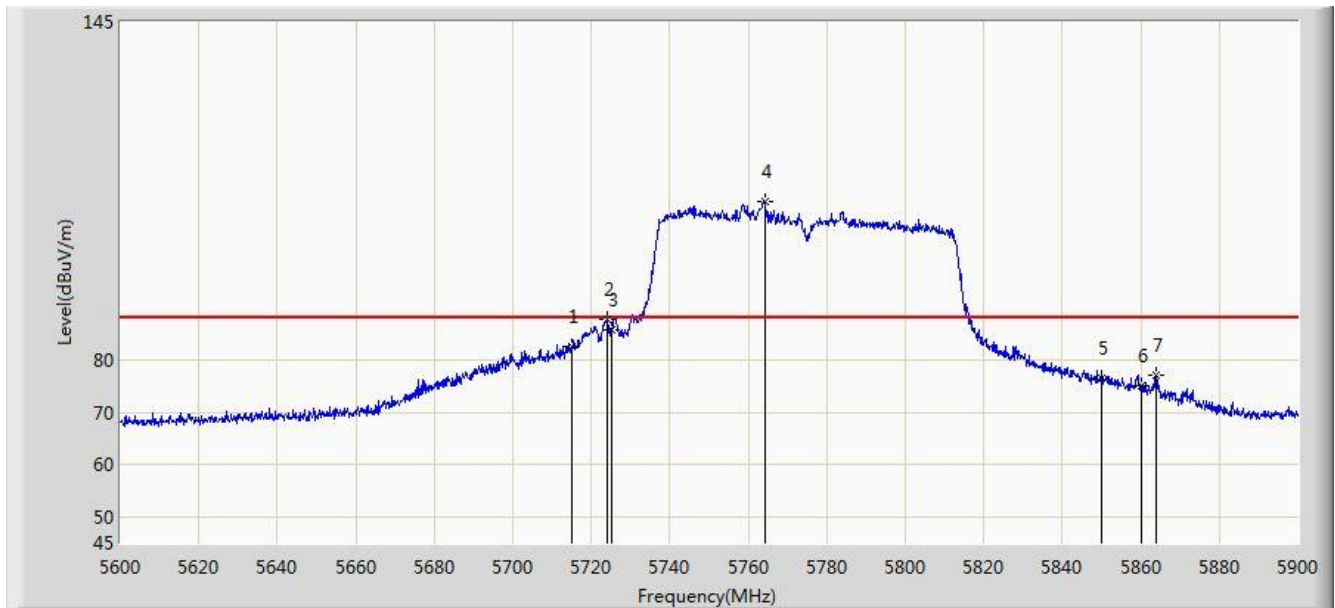
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	82.537	45.270	-5.663	88.200	37.267	PK
2			5723.900	87.854	50.553	-10.346	98.200	37.301	PK
3			5725.000	85.842	48.537	-12.358	98.200	37.305	PK
4		*	5764.100	110.402	72.945	N/A	N/A	37.457	PK
5			5850.000	76.635	38.899	-21.565	98.200	37.736	PK
6			5860.000	75.005	37.231	-13.195	88.200	37.774	PK
7			5863.850	77.055	39.270	-11.145	88.200	37.786	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:04
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 1	
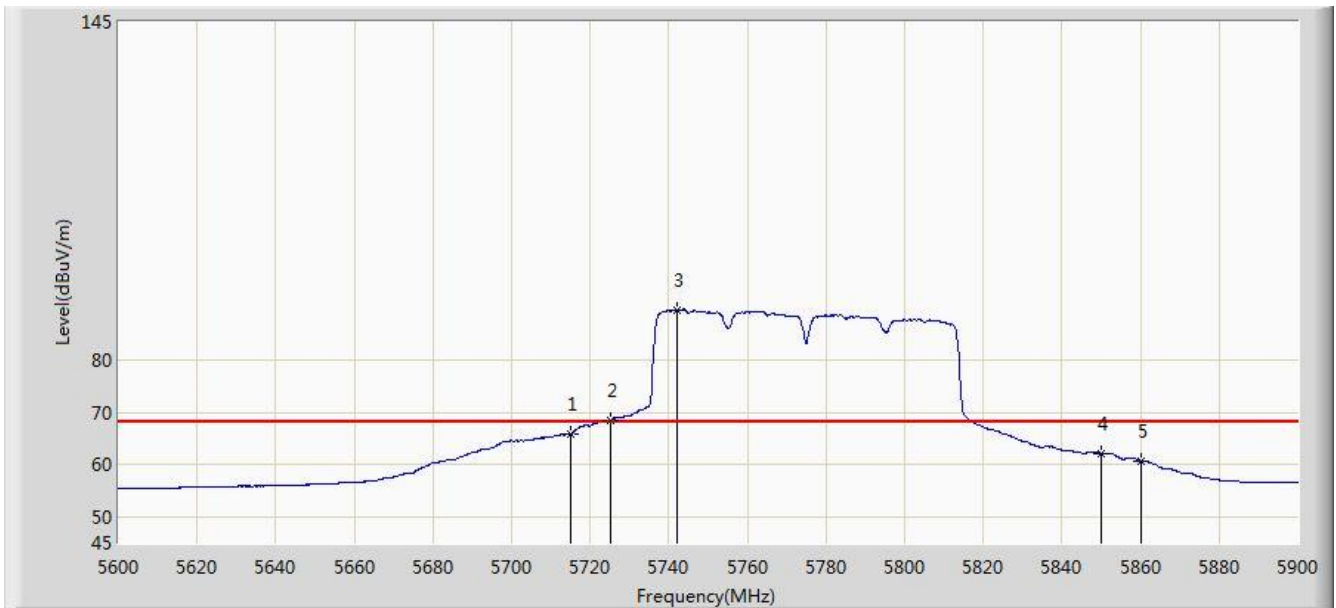
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.761	28.494	-2.439	68.200	37.267	AV
2			5725.000	68.352	31.047	-9.848	78.200	37.305	AV
3		*	5742.200	89.739	52.366	N/A	N/A	37.373	AV
4			5850.000	61.991	24.255	-16.209	78.200	37.736	AV
5			5860.000	60.607	22.833	-7.593	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

|	
Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:06
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	
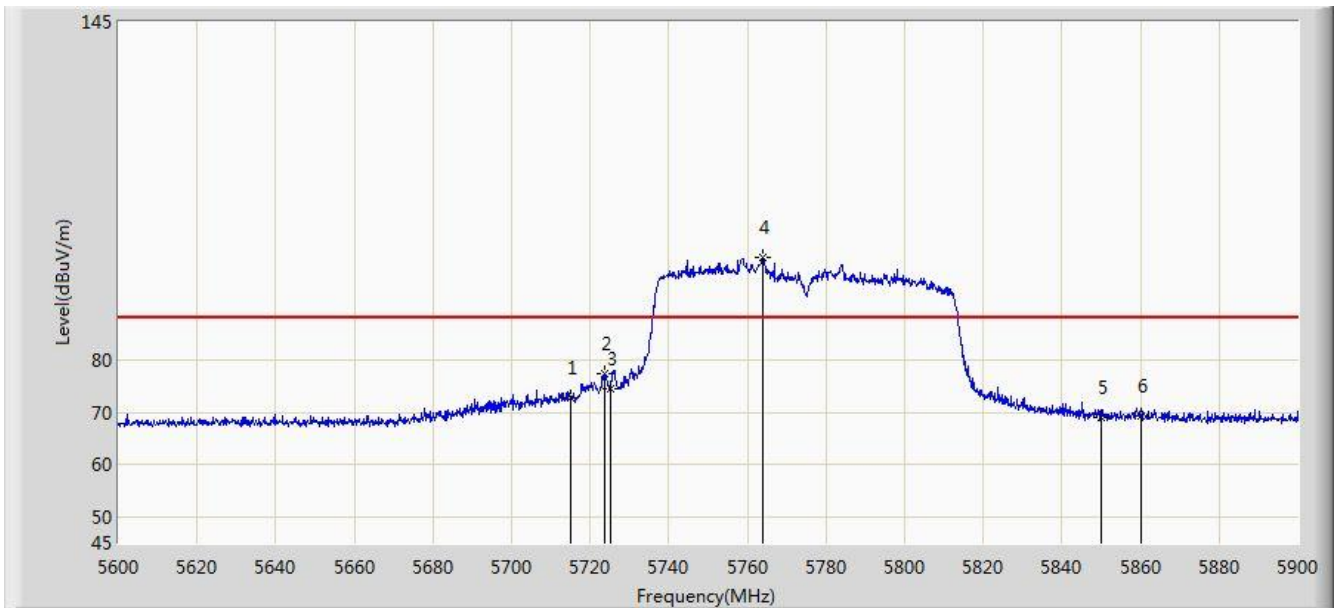
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.898	35.631	-15.302	88.200	37.267	PK
2			5723.600	77.489	40.189	-20.711	98.200	37.300	PK
3			5725.000	74.582	37.277	-23.618	98.200	37.305	PK
4		*	5763.950	99.856	62.400	N/A	N/A	37.456	PK
5			5850.000	69.144	31.408	-29.056	98.200	37.736	PK
6			5860.000	69.474	31.700	-18.726	88.200	37.774	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:09
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	
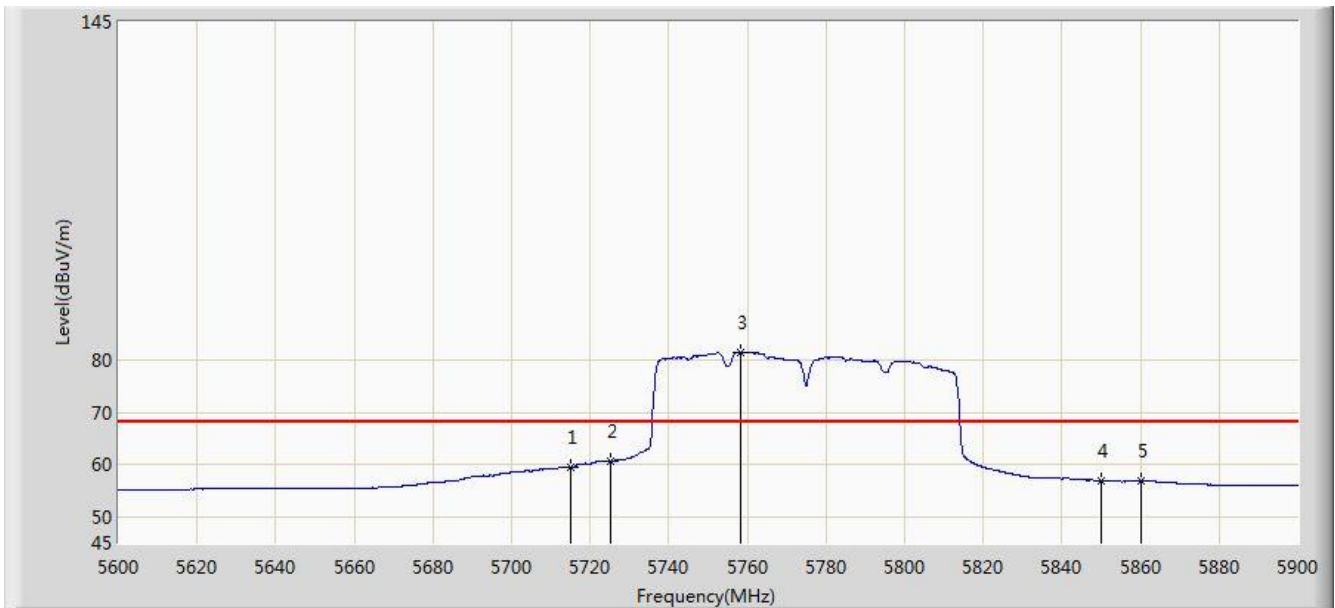
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	59.404	22.137	-8.796	68.200	37.267	AV
2			5725.000	60.617	23.312	-17.583	78.200	37.305	AV
3		*	5758.400	81.630	44.193	N/A	N/A	37.437	AV
4			5850.000	56.913	19.177	-21.287	78.200	37.736	AV
5			5860.000	56.828	19.054	-11.372	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
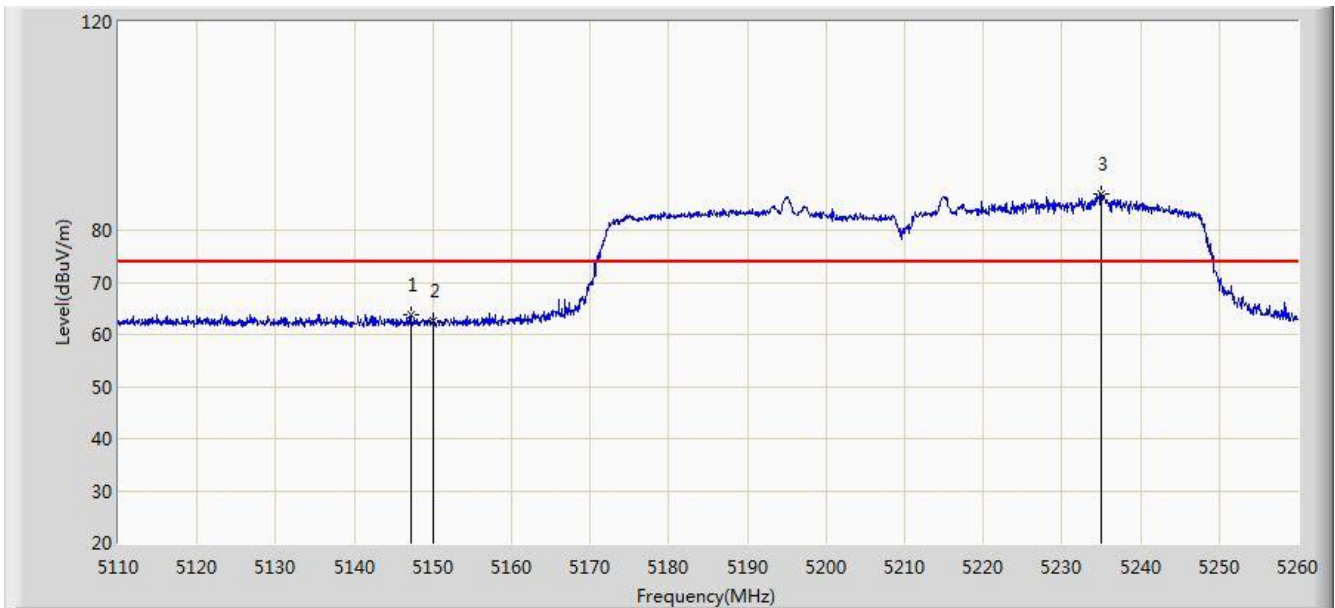
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.125	63.848	27.092	-10.152	74.000	36.756	PK
2			5150.000	62.634	25.882	-11.366	74.000	36.752	PK
3		*	5234.950	87.058	50.532	N/A	N/A	36.525	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
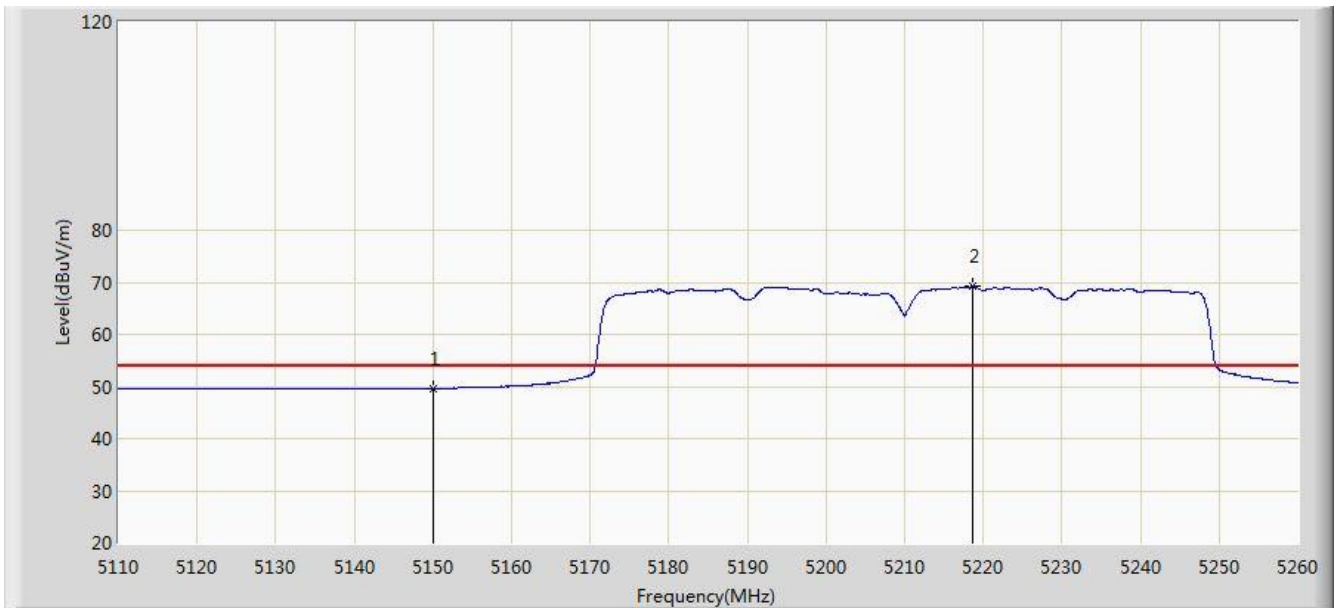
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.649	12.897	-4.351	54.000	36.752	AV
2		*	5218.600	69.197	32.623	N/A	N/A	36.574	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 10:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
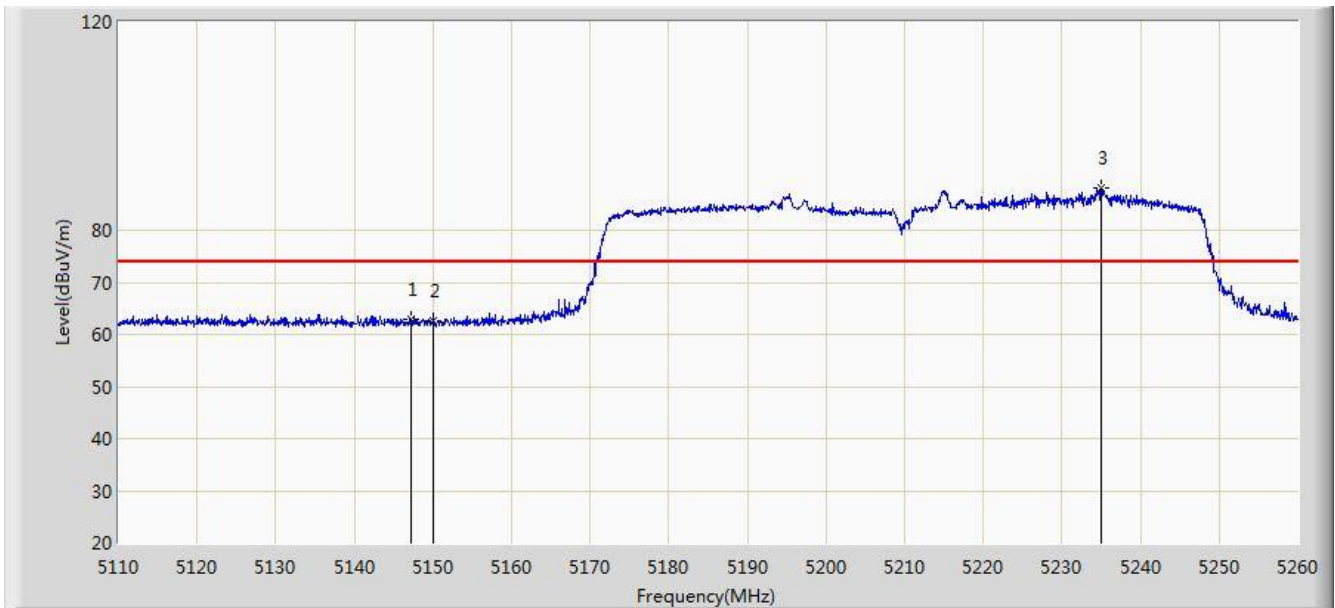
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.125	62.848	26.092	-11.152	74.000	36.756	PK
2			5150.000	62.634	25.882	-11.366	74.000	36.752	PK
3		*	5234.950	88.057	51.532	N/A	N/A	36.525	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 10:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	
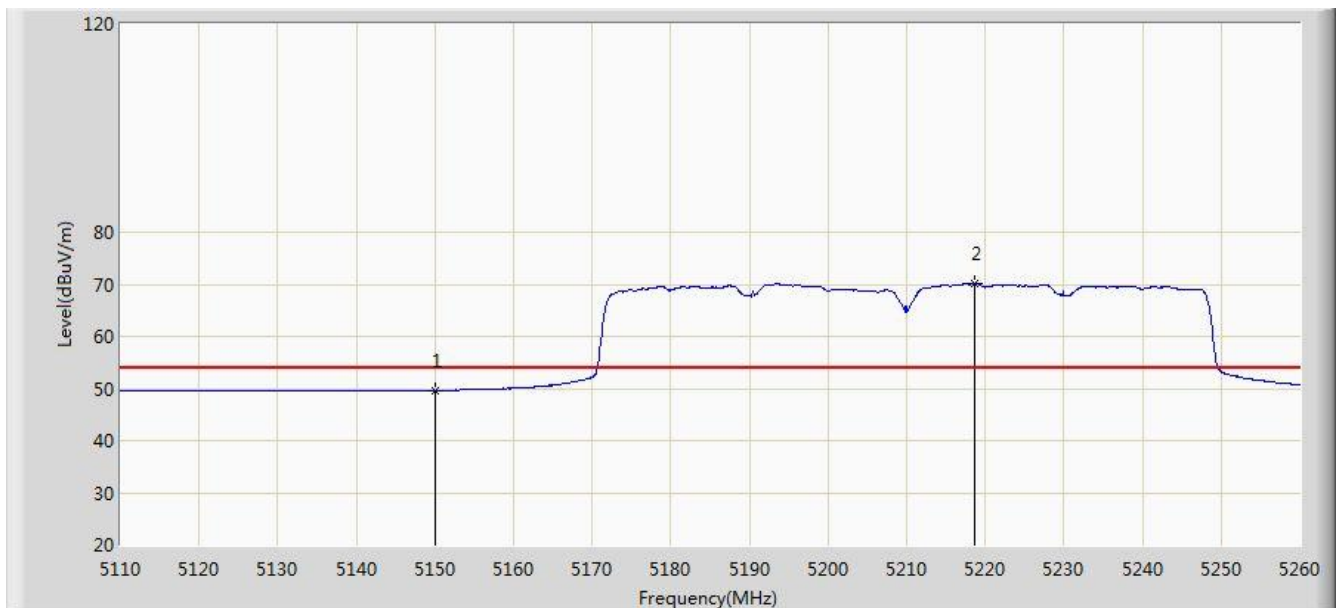
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.649	12.897	-4.351	54.000	36.752	AV
2		*	5218.600	70.198	33.624	N/A	N/A	36.574	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 18:00
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	
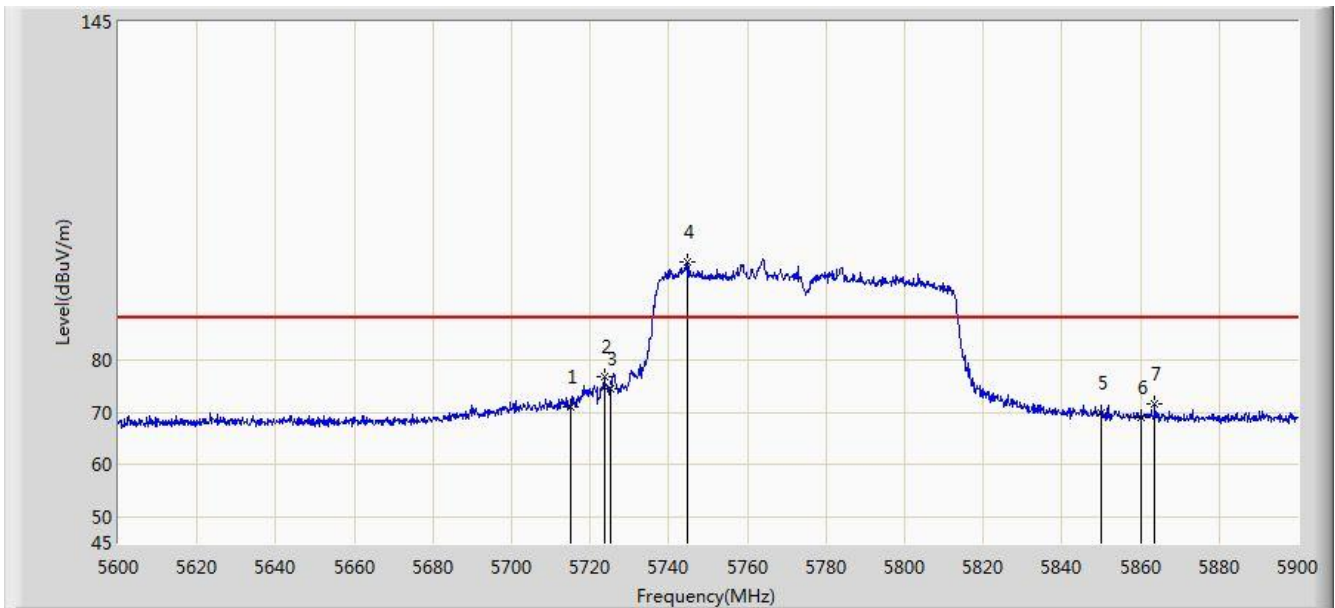
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	71.172	33.905	-17.028	88.200	37.267	PK
2			5723.600	76.918	39.618	-21.282	98.200	37.300	PK
3			5725.000	74.582	37.277	-23.618	98.200	37.305	PK
4		*	5744.900	99.029	61.645	N/A	N/A	37.384	PK
5			5850.000	69.999	32.263	-28.201	98.200	37.736	PK
6			5860.000	68.977	31.203	-19.223	88.200	37.774	PK
7			5863.700	71.738	33.953	-16.462	88.200	37.785	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 18:03
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0	
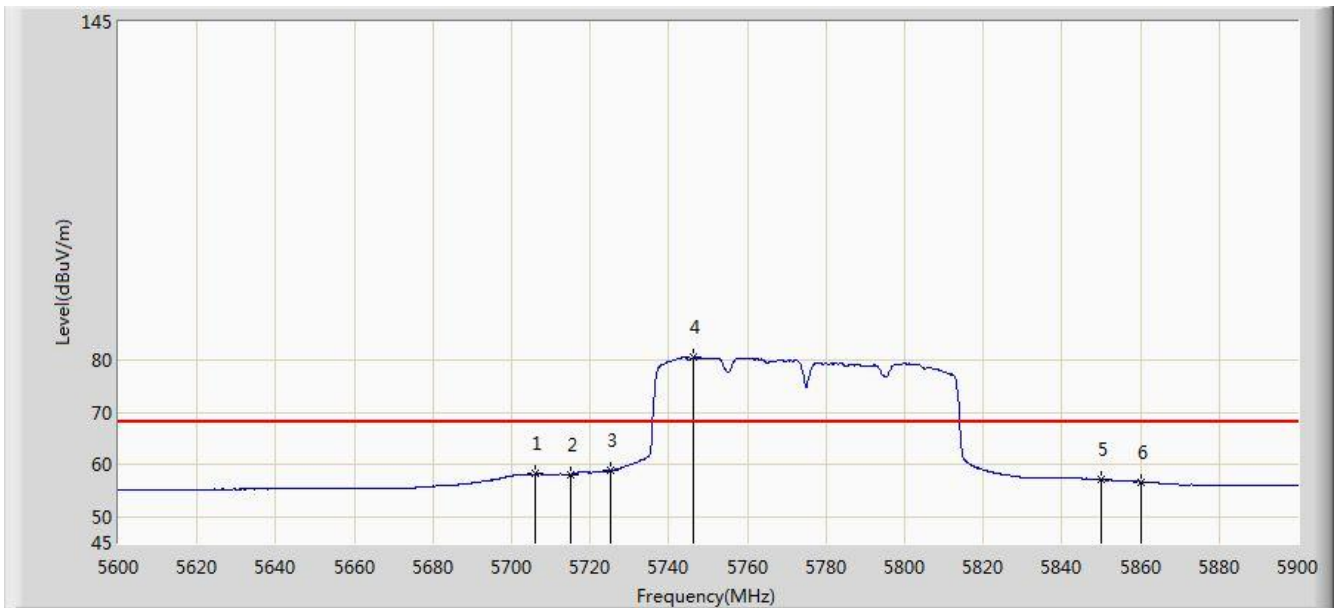
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5706.050	58.210	20.981	-9.990	68.200	37.229	AV
2			5715.000	58.128	20.861	-10.072	68.200	37.267	AV
3			5725.000	58.770	21.465	-19.430	78.200	37.305	AV
4		*	5746.400	80.598	43.208	N/A	N/A	37.390	AV
5			5850.000	57.052	19.316	-21.148	78.200	37.736	AV
6			5860.000	56.662	18.888	-11.538	68.200	37.774	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

| Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:10
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	
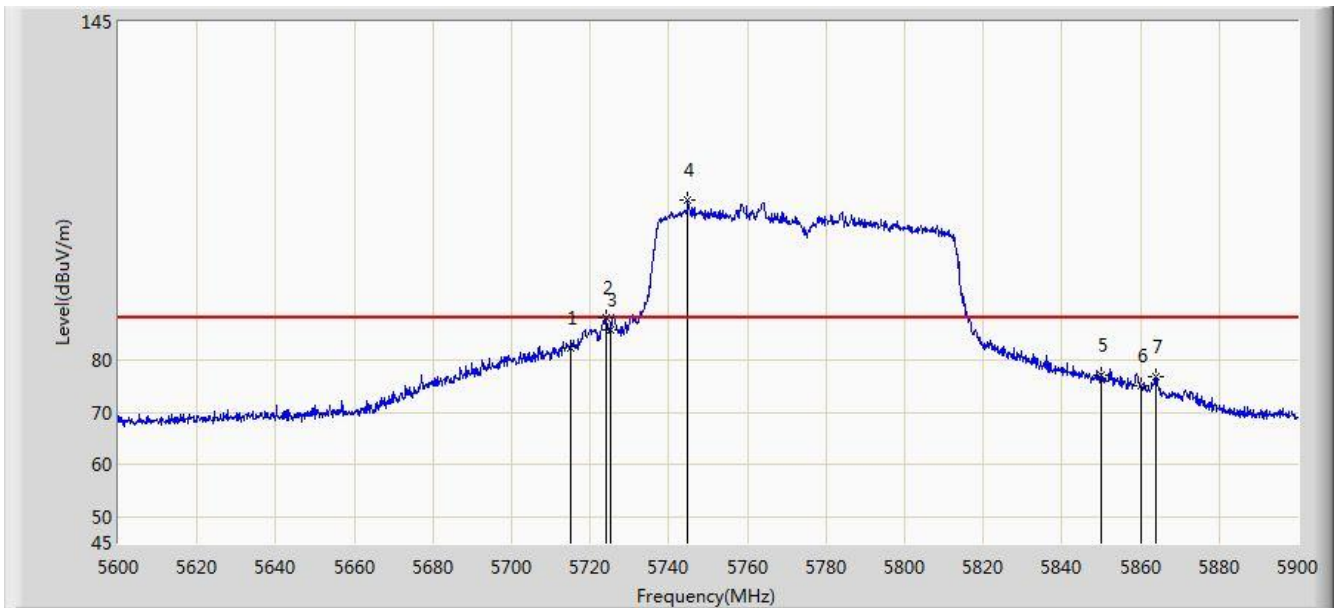
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	82.317	45.050	-5.883	88.200	37.267	PK
2			5723.900	88.057	50.756	-10.143	98.200	37.301	PK
3			5725.000	85.906	48.601	-12.294	98.200	37.305	PK
4		*	5744.750	110.770	73.387	N/A	N/A	37.383	PK
5			5850.000	77.274	39.538	-20.926	98.200	37.736	PK
6			5860.000	75.057	37.283	-13.143	88.200	37.774	PK
7			5863.850	76.908	39.123	-11.292	88.200	37.786	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Milo Li	
Site: AC1	Time: 2014/09/27 - 13:12
Limit: FCC_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0+1	
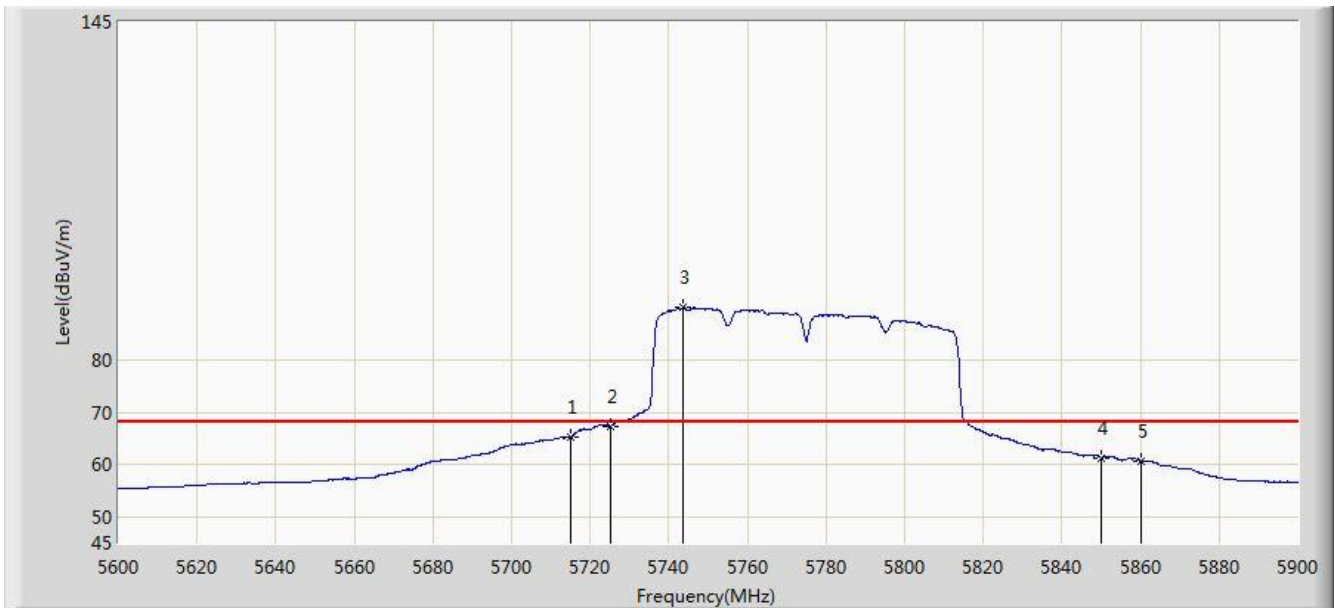
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.175	27.908	-3.025	68.200	37.267	AV
2			5725.000	67.402	30.097	-10.798	78.200	37.305	AV
3		*	5743.550	90.097	52.719	N/A	N/A	37.378	AV
4			5850.000	61.364	23.628	-16.836	78.200	37.736	AV
5			5860.000	60.622	22.848	-7.578	68.200	37.774	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.9. AC Conducted Emissions Measurement

7.9.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dBµV)	AV (dBµV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.9.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
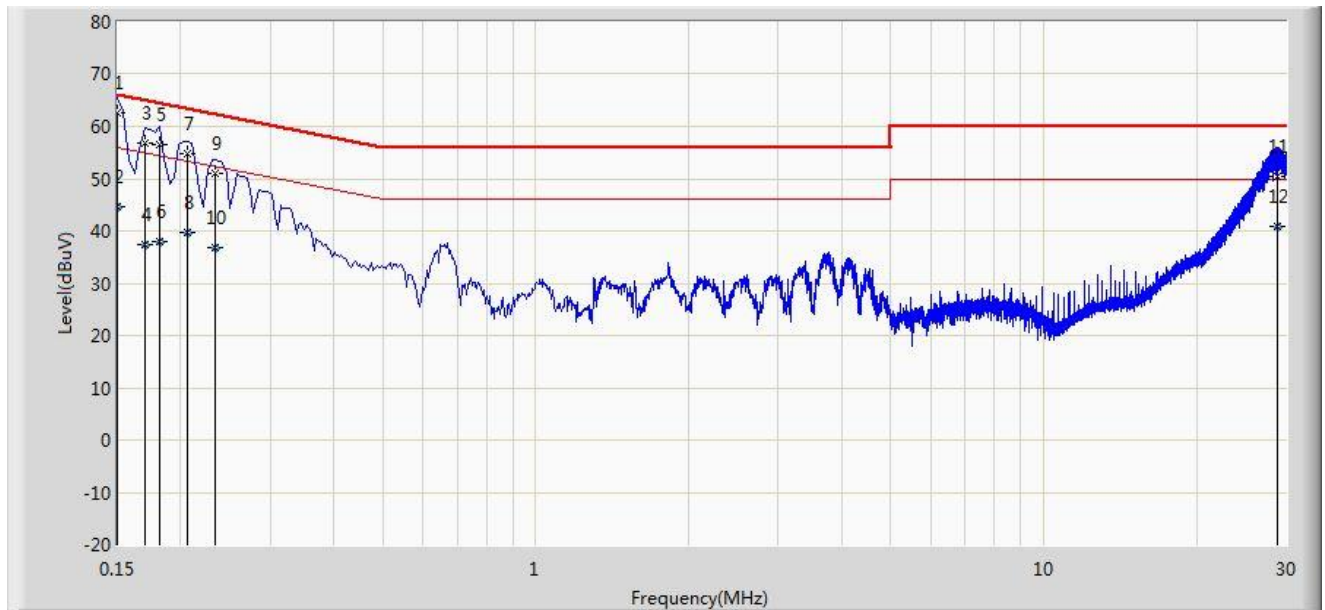
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.9.3. Test Setup
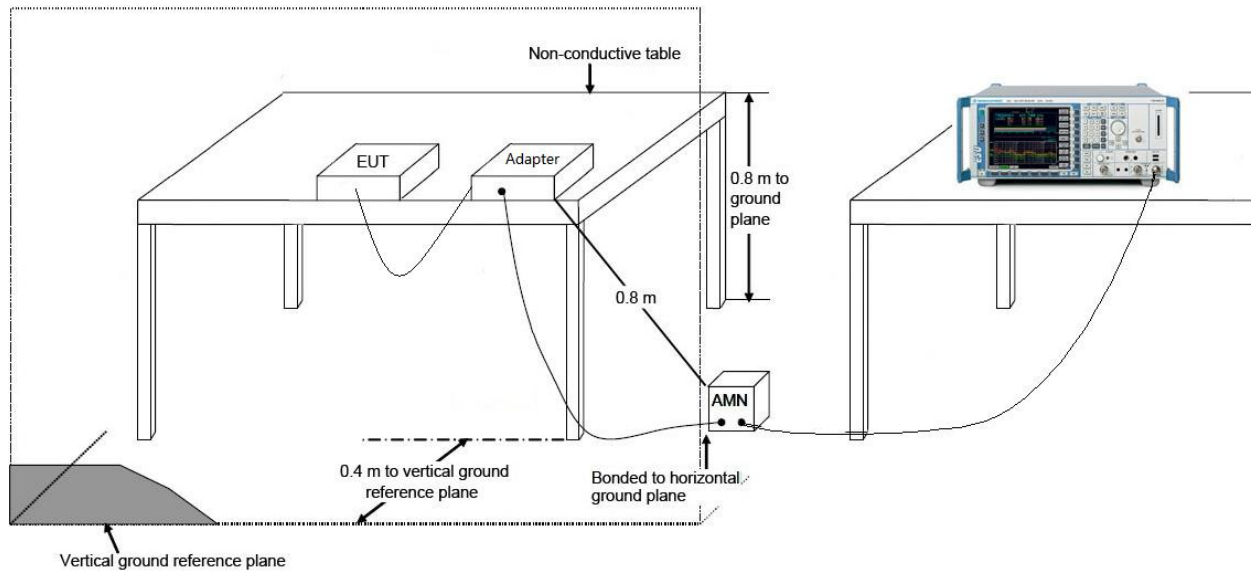
7.9.4. Test Result

| Engineer: Milo Li	
Site: SR2	Time: 2014/09/30 - 09:08
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	62.638	51.470	-3.362	66.000	11.168	QP
2			0.150	44.608	33.440	-11.392	56.000	11.168	AV
3			0.170	56.670	46.592	-8.290	64.960	10.078	QP
4			0.170	37.422	27.345	-17.538	54.960	10.078	AV
5			0.182	56.515	46.467	-7.879	64.394	10.048	QP
6			0.182	37.937	27.889	-16.457	54.394	10.048	AV
7			0.206	54.646	44.665	-8.719	63.365	9.981	QP
8			0.206	39.762	29.782	-13.603	53.365	9.981	AV
9			0.234	50.955	41.004	-11.352	62.307	9.951	QP
10			0.234	36.855	26.904	-15.451	52.307	9.951	AV
11			28.902	50.343	40.062	-9.657	60.000	10.282	QP
12			28.902	40.885	30.604	-9.115	50.000	10.282	AV

Note: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Engineer: Milo Li	
Site: SR2	Time: 2014/09/30 - 09:14
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode1	
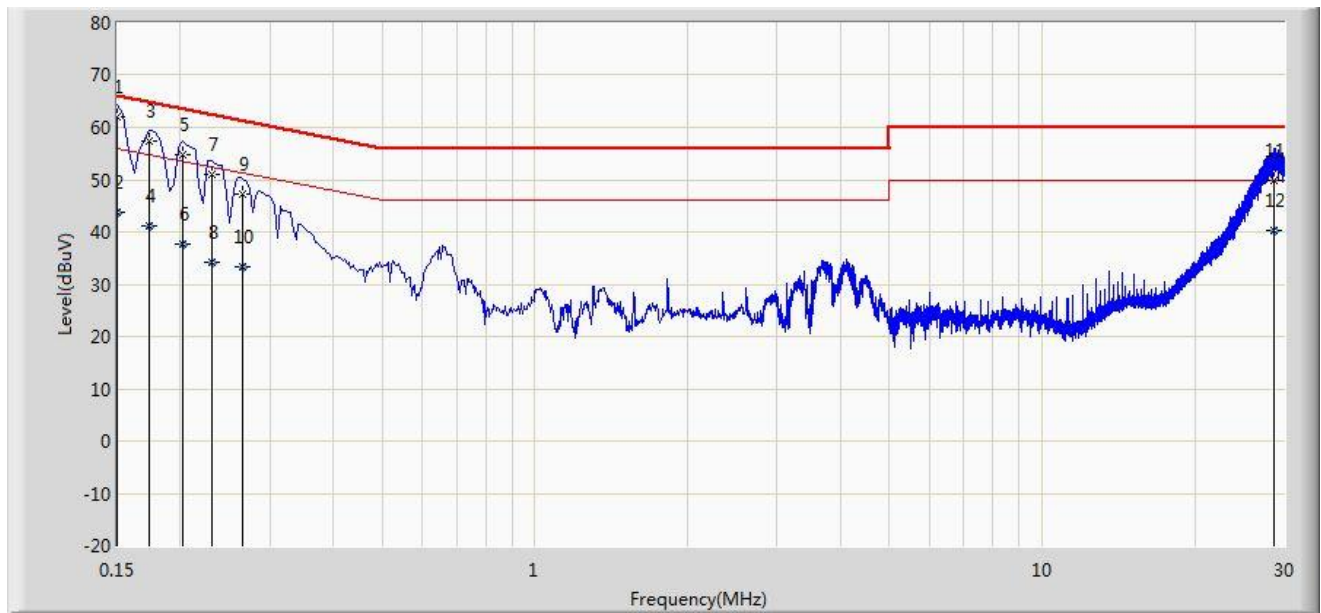
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	61.951	50.809	-4.049	66.000	11.142	QP
2			0.150	43.801	32.659	-12.199	56.000	11.142	AV
3			0.174	57.384	47.328	-7.383	64.767	10.057	QP
4			0.174	41.193	31.136	-13.575	54.767	10.057	AV
5			0.202	54.790	44.782	-8.738	63.528	10.008	QP
6			0.202	37.777	27.769	-15.751	53.528	10.008	AV
7			0.230	50.934	40.948	-11.516	62.450	9.985	QP
8			0.230	34.331	24.346	-18.118	52.450	9.985	AV
9			0.266	47.162	37.149	-14.080	61.242	10.013	QP
10			0.266	33.223	23.211	-18.018	51.242	10.013	AV
11			28.566	49.885	39.473	-10.115	60.000	10.412	QP
12			28.566	40.197	29.785	-9.803	50.000	10.412	AV

Note: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WIRELESS-AC 2X2 27DBM**

NETWORK MINI PCIE ADAPTER FCC ID: TK4WLE600V5-27ESD is in compliance with Part 15E

of the FCC Rules.

The End