



MEASUREMENT REPORT

FCC PART 15.407 WLAN 802.11a/n/ac

FCC ID: TK4WPJ428

APPLICANT: Compex Systems Pte Ltd

Application Type: Class II Permissible Change

Product: Wireless Access Point

Model No.: WPJ428HV

Serial Model: WPJ428LV, WPJ418LV, WPJ418HV, MMS428LV,
MMS428HV, MMS418LV, MMS418HV

Brand Name: COMPEX

FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s): Part 15.407

Test Procedure(s): ANSI C63.10-2013, KDB 789033 D02v01r04,
KDB 662911 D01v02r01, KDB 644545 D03v01

Test Date: April 08 ~ June 22, 2017

Reviewed By : Jame Yuan
(Jame Yuan)

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 D02v01r04. 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	Note
1704RSU00205	Rev. 01	Initial report	06-25-2017	Valid

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§2.1033 General Information

Applicant:	Compex Systems Pte Ltd
Applicant Address:	No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651
Manufacturer:	Compex Systems Pte Ltd
Manufacturer Address:	No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
MRT Registration No.:	809388
FCC Rule Part(s):	Part 15.407
FCC ID:	TK4WPJ428
Test Device Serial No.:	N/A <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering

Test Facility / Accreditations

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

- 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.
- MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.
- MRT facility is a VCCI registered (R-4179, G-814, C-4664, T-2206) test laboratory with the site description on file at VCCI Council.
- 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.



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, 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 Access Point
Model No.:	WPJ428HV
Serial Model:	WPJ428LV, WPJ418LV, WPJ418HV, MMS428LV, MMS428HV, MMS418LV, MMS418HV
Brand Name:	COMPEX
Wi-Fi Specification:	802.11a/b/g/n/ac

2.2. Product Specification Subjective to this Report

Frequency Range:	For 802.11a/n-HT20/ac-VHT20: 5260~5320MHz, 5500~5720MHz For 802.11n-HT40/ac-VHT40: 5270~5310MHz, 5510~5710MHz For 802.11ac-VHT80: 5290MHz, 5530MHz, 5610MHz, 5690MHz
Channel Number:	802.11a/ n-HT20/ac-VHT20: 16 802.11n-HT40/ac-VHT40: 8 802.11ac-VHT80: 4
Type of Modulation:	802.11a/n/ac: OFDM
Data Rate:	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps
Maximum Average Output Power:	802.11a: 17.32dBm 802.11n-HT20: 19.37dBm 802.11n-HT40: 19.40dBm 802.11ac-VHT20: 19.47dBm 802.11ac-VHT40: 19.52dBm 802.11ac-VHT80: 19.42dBm

Note: For other features of this EUT, test report will be issued separately.

2.3. Working Frequencies for this report

802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz
144	5720 MHz	--	--	--	--

802.11n-HT40/ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	142	5710 MHz	--	--

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
58	5290 MHz	106	5530 MHz	122	5610 MHz
138	5690 MHz	--	--	--	--

2.4. Description of Available Antennas

Antenna Type	Frequency Band (MHz)	TX Paths	Per Chain Max Antenna Gain (dBi)	
			Ant 0	Ant 1
Panel Antenna	2412 ~ 2462	1	8	--
		2	8	8
	5180 ~ 5825	1	10	--
		2	10	10


Note 1: The device didn't support beam-forming technology and Cyclic Delay Diversity (CDD) technology, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note 2: For SISO mode, only the Ant 0 chain can transmit. 11a&11b&11g mode support SISO mode, 11n mode support MIMO mode.

Note 3: When the device working on UNII-2A & UNII-2C bands, only the panel antenna 3# or antenna gain less than 10dBi can be used.

2.5. Description of Antenna RF Port

Antenna RF Port				
--	2.4GHz RF Port		5GHz RF Port	
Software Control Port for 1Tx	Ant 0	--	Ant 0	--
Software Control Port for 2Tx	Ant 0	Ant 1	Ant 0	Ant 1



2.6. Test Mode

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

2.7. Description of Test Software

The test utility software used during testing was “QRCT”.

Power Parameter Value

1TX_Ant 0

Test Mode	Test Channel No.	Test Frequency (MHz)	Power Parameter Value	Test Mode	Test Channel No.	Test Frequency (MHz)	Power Parameter Value
802.11a	52	5260	16.0	802.11n-HT20	52	5260	16.0
	60	5300	16.0		60	5300	16.0
	64	5320	16.0		64	5320	16.0
	100	5500	16.0		100	5500	16.0
	120	5600	16.0		120	5600	16.0
	140	5700	16.0		140	5700	16.0
	144	5720	16.0		144	5720	16.0
802.11n-HT40	54	5270	16.0	802.11ac-VHT20	52	5260	16.0
	62	5310	16.0		60	5300	16.0
	102	5510	12.5		64	5320	16.0
	118	5590	16.0		100	5500	16.0
	134	5670	16.0		120	5600	16.0
	142	5710	16.0		140	5700	15.5
802.11ac-VHT40	54	5270	16.0		144	5720	16.0
	62	5310	15.5	802.11ac-VHT80	58	5290	16.0
	102	5510	12.5		106	5530	11.5
	118	5590	16.0		122	5610	16.0
	134	5670	16.0		138	5690	16.0
	142	5710	16.0		--	--	--

2TX_Ant 0+1

Test Mode	Test Channel No.	Test Frequency (MHz)	Power Parameter Value	Test Mode	Test Channel No.	Test Frequency (MHz)	Power Parameter Value
802.11 n-HT20	52	5260	14.5	802.11ac-VHT20	52	5260	14.5
	60	5300	15.0		60	5300	15.0
	64	5320	15.0		64	5320	15.0
	100	5500	15.0		100	5500	15.0
	120	5600	14.0		120	5600	14.0
	140	5700	14.5		140	5700	14.0
	144	5720	14.5		144	5720	15.0
802.11n-HT40	54	5270	14.5	802.11ac-VHT40	54	5270	14.5
	62	5310	13.0		62	5310	12.0
	102	5510	10.5		102	5510	9.5
	118	5590	15.0		118	5590	15.5
	134	5670	16.0		134	5670	14.5
	142	5710	16.0		142	5710	16.0
802.11ac-VHT80	42	5210	5.0	--			
	58	5290	12.0				
	106	5530	8.5				
	122	5610	16.0				
	138	5690	16.0				
	155	5775	14.0				

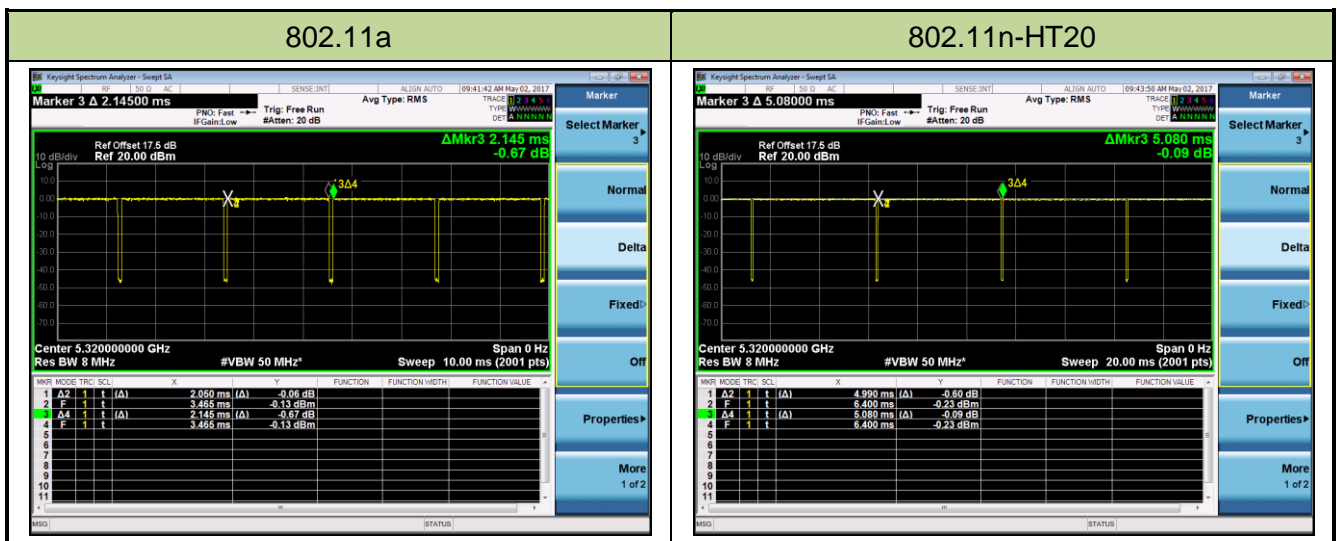
2.8. Device Capabilities

This device contains the following capabilities:

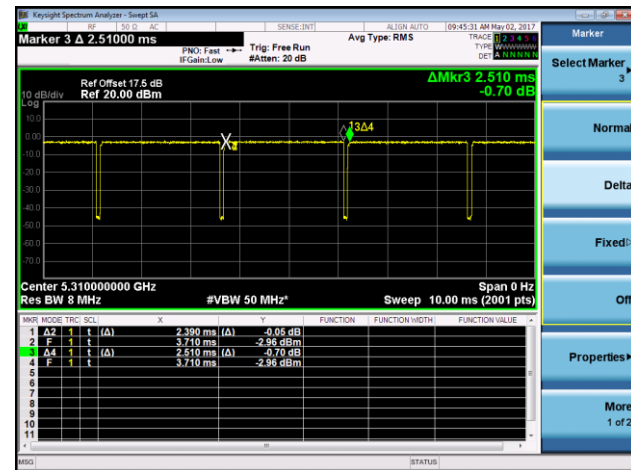
2.4GHz WLAN (DTS) and 5GHz WLAN (NII)

Note: 5GHz (NII) operation is possible in 20MHz, 40MHz and 80MHz 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 = average per the guidance of Section B)2)b) of KDB 789033 D02v01r04. 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:

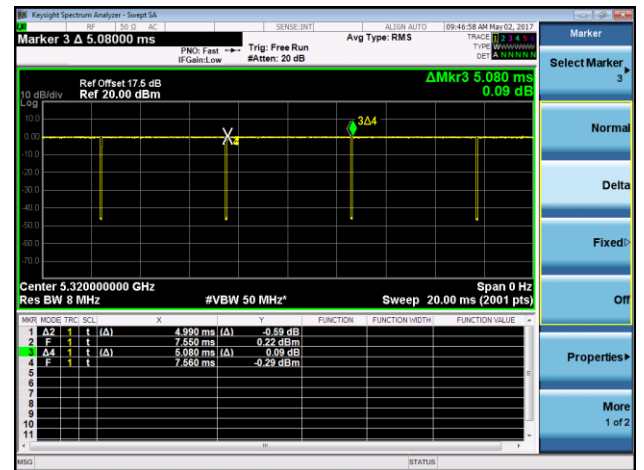
Test Mode	Duty Cycle
802.11a	95.57 %
802.11n-HT20	98.23 %
802.11n-HT40	95.22 %
802.11ac-VHT20	98.23 %
802.11ac-VHT40	94.86 %
802.11ac-VHT80	89.97 %



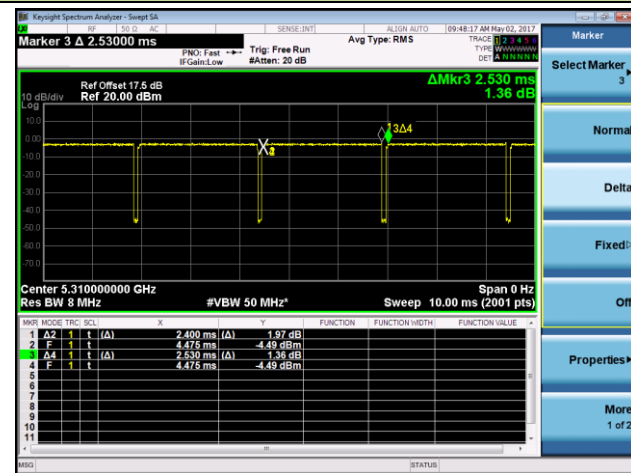
802.11n-HT40



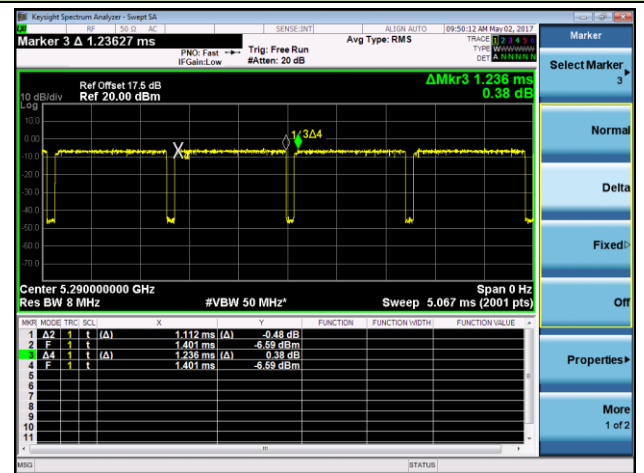
802.11ac-VHT20



802.11ac-VHT40



802.11ac-VHT80



2.9. Test Configuration

The **Wireless Access Point** was tested per the guidance of KDB 789033 D02v01r04. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.10. EMI Suppression Device(s)/Modifications

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

2.11. 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 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 C63.10-2013), and the guidance provided in KDB 789033 D02v01r04 were used in the measurement of the **Wireless Access Point**.

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 C63.10-2013.

Line conducted emissions test results are shown in Section 7.8.

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. A 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 for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 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 Access Point** uses a unique (IPEX) connector.

Conclusion:

The **Wireless Access Point** unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emission - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2017/06/20
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2017/06/20
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2017/06/20
Temperature/Humidity Meter	Yuhuaze	HTC-2	MRTSUE06181	1 year	2017/12/20
Shielding Anechoic Chamber	Mikebang	Chamber-SR2	MRTSUE06214	1 year	2017.05.10
					2018.05.10

Radiated Spurious Emission and Radiated Restricted Band Edge - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MRTSUE06124	1 year	2017/06/23
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2017/06/21
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2018/03/28
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2018/04/16
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2017/11/21
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2017/12/10
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06023	1 year	2017/12/10
Broadband Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06024	1 year	2018/01/04
Temperature/Humidity Meter	Yuhuaze	HTC-2	MRTSUE06183	1 year	2017/12/20
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2017.05.10
					2018.05.10

Conducted Test Equipment - TR3

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MRTSUE06124	1 year	2017/06/23
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2017/12/06
Temperature/Humidity Meter	Yuhuaze	HTC-2	MRTSUE06180	1 year	2017/12/20

Software	Version	Function
e3	V 8.3.5	EMI Test Software

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 - SR2
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 150kHz~30MHz: 3.46dB
Radiated Emission Measurement - AC2
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 9kHz ~ 1GHz: 4.18dB 1GHz ~ 25GHz: 4.76dB
Spurious Emissions, Conducted - TR3
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.78dB
Output Power - TR3
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.13dB
Power Spectrum Density - TR3
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.15dB
Occupied Bandwidth - TR3
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.28%

7. TEST RESULT

7.1. Summary

Product Name: Wireless Access Point
FCC ID: TK4WPJ428
FCC Classification: Unlicensed National Information Infrastructure (UNII)
Data Rate / MCS 6Mbps for 802.11a;
Tested: MCS0 for 802.11n-HT20MHz;
MCS0 for 802.11n-HT40MHz;
MCS0 for 802.11ac-VHT20MHz;
MCS0 for 802.11ac-VHT40MHz;
MCS0 for 802.11ac-VHT80MHz

FCC 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(a)(2)	Maximum Conducted Output Power	≤ 24 dBm U-NII-2A & 2C		Pass	Section 7.3
15.407(a)(2), (5)	Peak Power Spectral Density	≤ 11 dBm/MHz U-NII-2A&2C		Pass	Section 7.4
15.407(g)	Frequency Stability	N/A		Pass	Section 7.5
15.407(b)(2), (3)	Undesirable Emissions	≤ -27 dBm/MHz EIRP	Radiated	Pass	Section 7.6 & 7.7
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 7.8

Notes:

- 1) 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.
- 2) Test Items "26dB Bandwidth" & "Frequency Stability" have been assessed MIMO transmission, and showed the worst single test data in this report.

7.2. 26dB Bandwidth Measurement

7.2.1. Test Limit

N/A

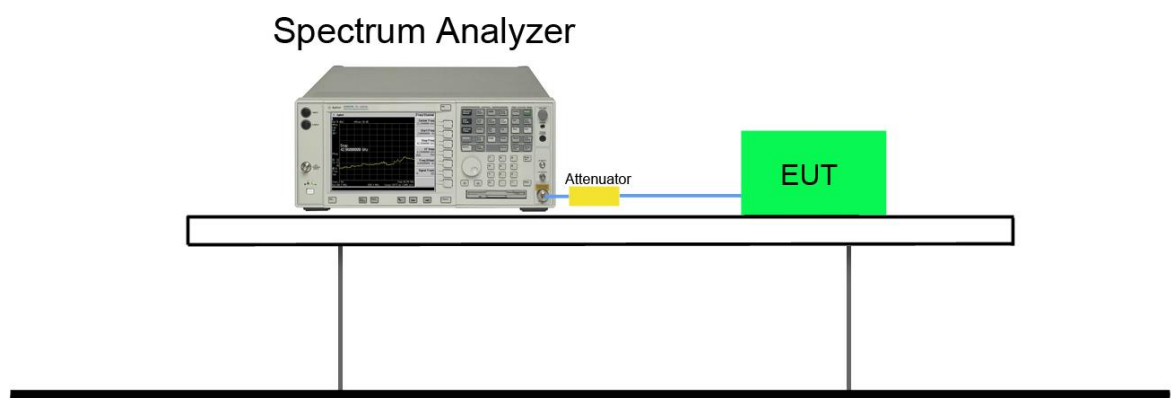
7.2.2. Test Procedure used

KDB 789033 D02v01r04 - 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 $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.

7.2.4. Test Setup



7.2.5. Test Result

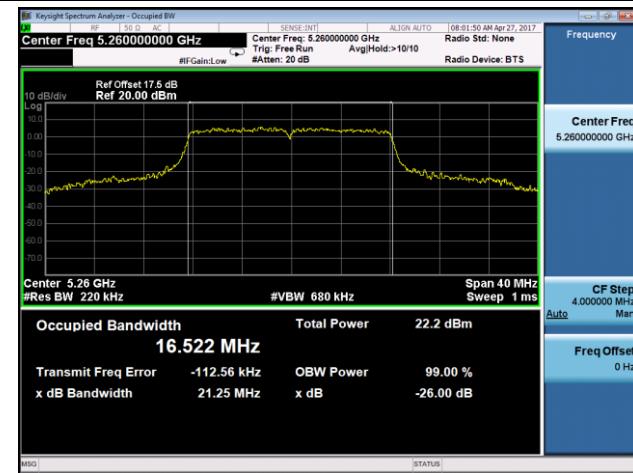
Product	Wireless Access Point	Temperature	22°C
Test Engineer	Bruce Wang	Relative Humidity	54%
Test Site	TR3	Test Date	2017/05/06

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11a	6	52	5260	21.25	16.52
802.11a	6	60	5300	21.77	16.52
802.11a	6	64	5320	21.22	16.52
802.11a	6	100	5500	23.45	16.55
802.11a	6	120	5600	27.48	16.70
802.11a	6	140	5700	24.25	16.55
802.11a	6	144	5720	27.57	16.72
802.11n-HT20	6.5	52	5260	22.76	17.68
802.11n-HT20	6.5	60	5300	21.40	17.68
802.11n-HT20	6.5	64	5320	22.78	17.68
802.11n-HT20	6.5	100	5500	22.95	17.70
802.11n-HT20	6.5	120	5600	27.24	17.79
802.11n-HT20	6.5	140	5700	25.76	17.72
802.11n-HT20	6.5	144	5720	25.92	17.77
802.11n-HT40	13.5	54	5270	49.74	36.12
802.11n-HT40	13.5	62	5310	47.57	36.09
802.11n-HT40	13.5	102	5510	39.66	35.99
802.11n-HT40	13.5	118	5590	65.65	36.44
802.11n-HT40	13.5	134	5670	56.42	36.25
802.11n-HT40	13.5	142	5710	64.58	36.33
802.11ac-VHT20	6.5	52	5260	22.09	17.67
802.11ac-VHT20	6.5	60	5300	21.86	17.68
802.11ac-VHT20	6.5	64	5320	21.58	17.69
802.11ac-VHT20	6.5	100	5500	25.17	17.71
802.11ac-VHT20	6.5	120	5600	27.54	17.77
802.11ac-VHT20	6.5	140	5700	21.84	17.67
802.11ac-VHT20	6.5	144	5720	26.00	17.75

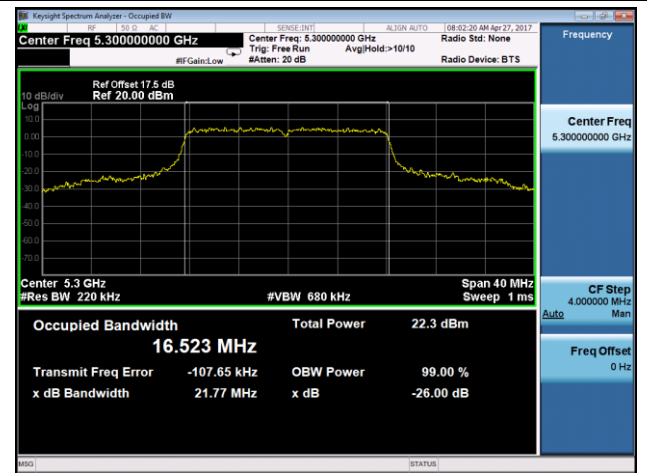
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11ac-VHT40	13.5	54	5270	47.12	36.07
802.11ac-VHT40	13.5	62	5310	47.71	36.11
802.11ac-VHT40	13.5	102	5510	39.55	35.98
802.11ac-VHT40	13.5	118	5590	64.84	36.36
802.11ac-VHT40	13.5	134	5670	58.77	36.25
802.11ac-VHT40	13.5	142	5710	43.06	36.08
802.11ac-VHT80	29.3	58	5290	97.94	76.00
802.11ac-VHT80	29.3	106	5530	83.55	75.90
802.11ac-VHT80	29.3	122	5610	108.9	76.07
802.11ac-VHT80	29.3	138	5690	98.81	76.12

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

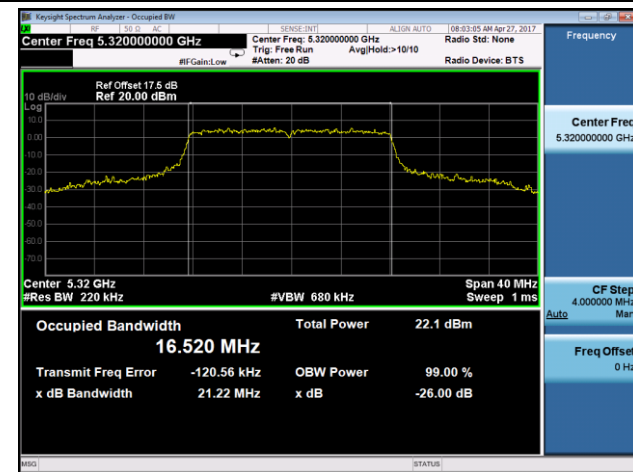
Channel 52 (5260MHz)



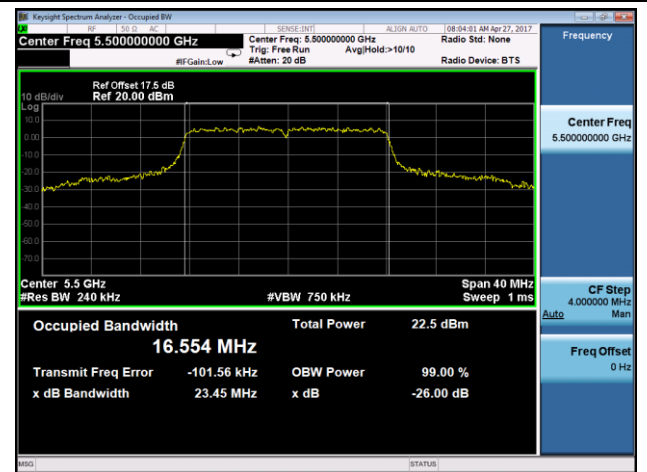
Channel 60 (5300MHz)



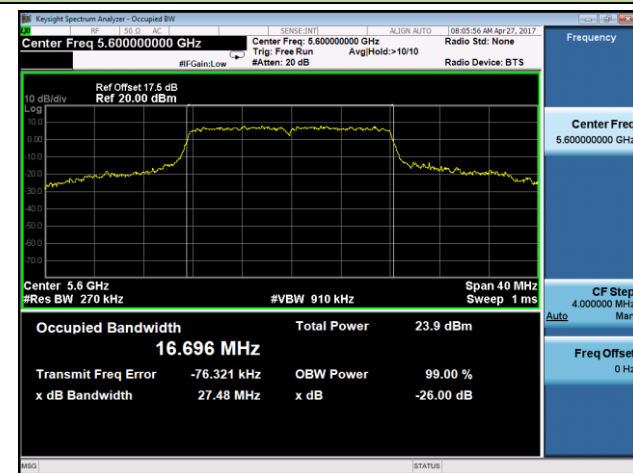
Channel 64 (5320MHz)



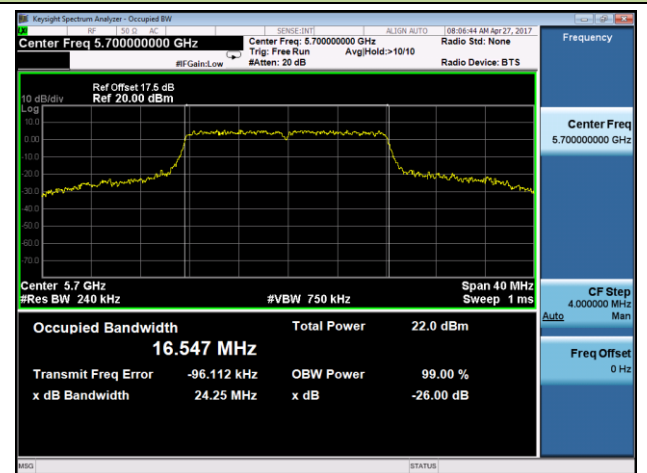
Channel 100 (5500MHz)

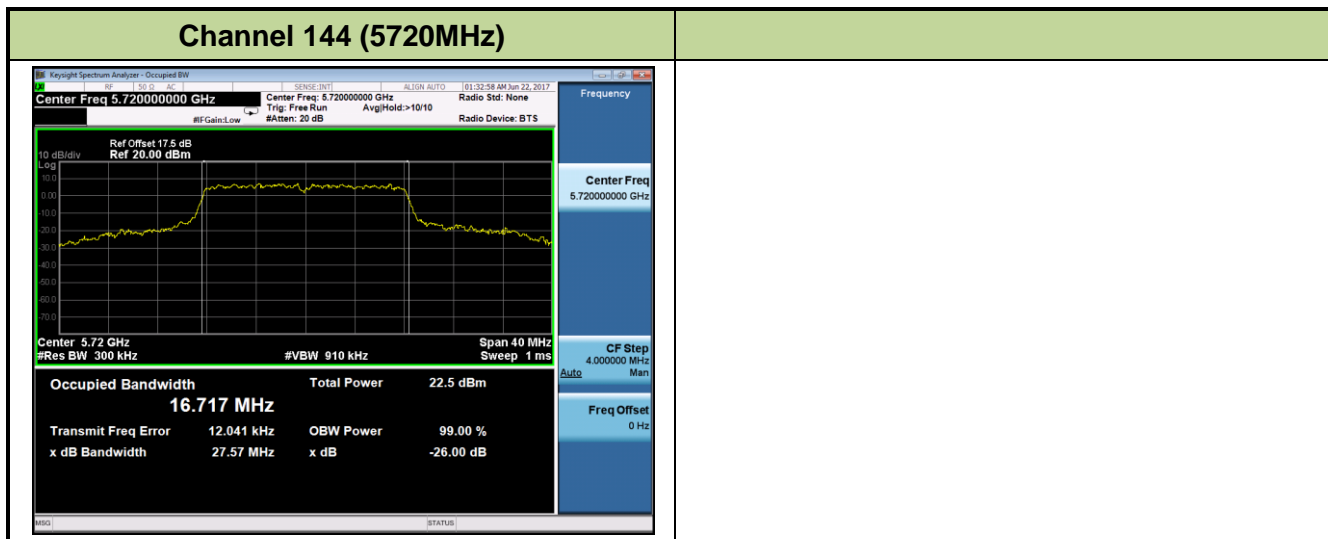


Channel 120 (5600MHz)



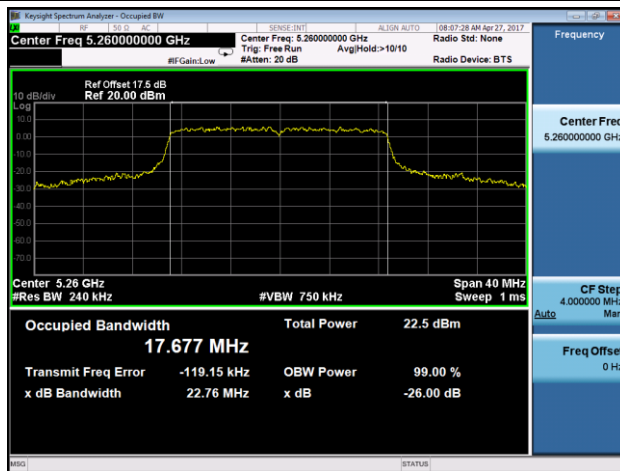
Channel 140 (5700MHz)



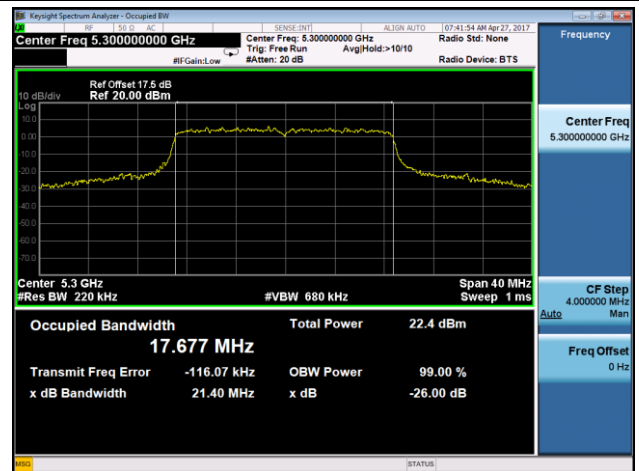


802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0

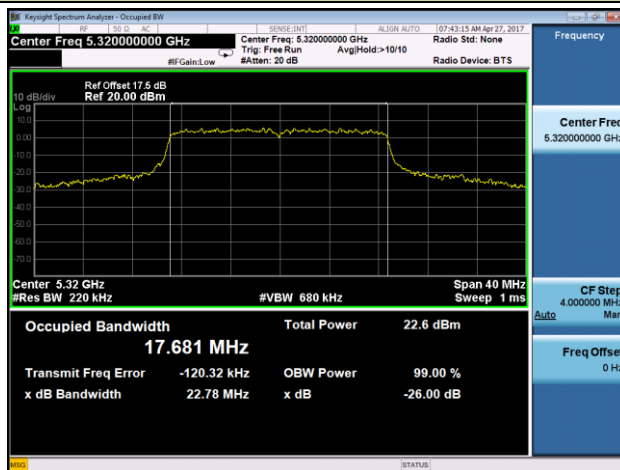
Channel 52 (5260MHz)



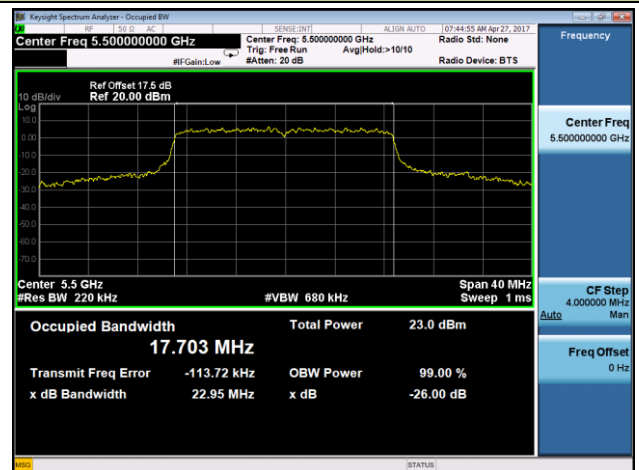
Channel 60 (5300MHz)



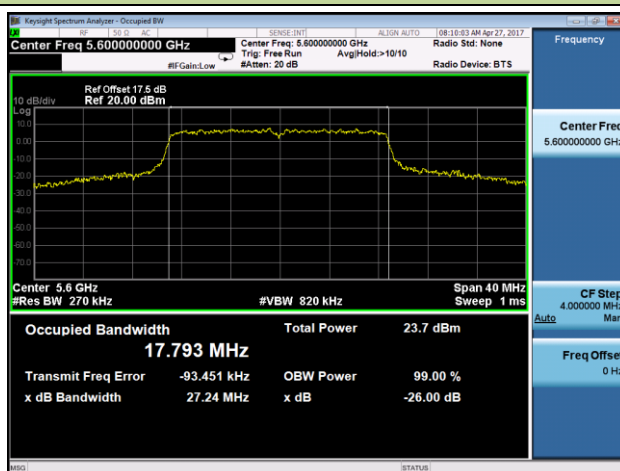
Channel 64 (5320MHz)



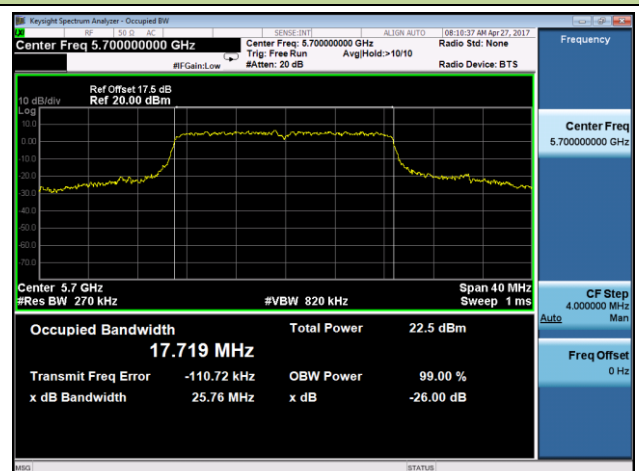
Channel 100 (5500MHz)



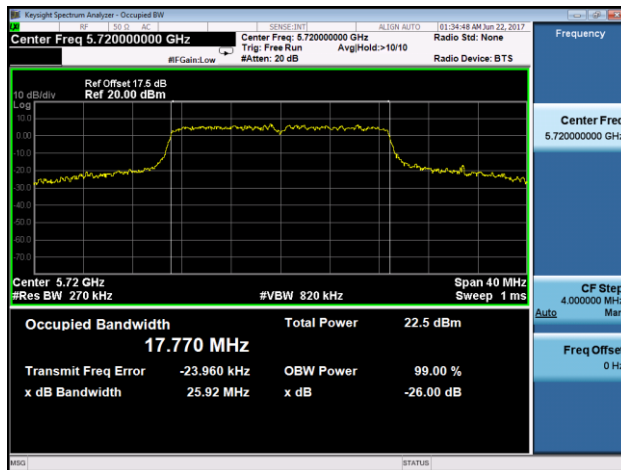
Channel 120 (5600MHz)



Channel 140 (5700MHz)

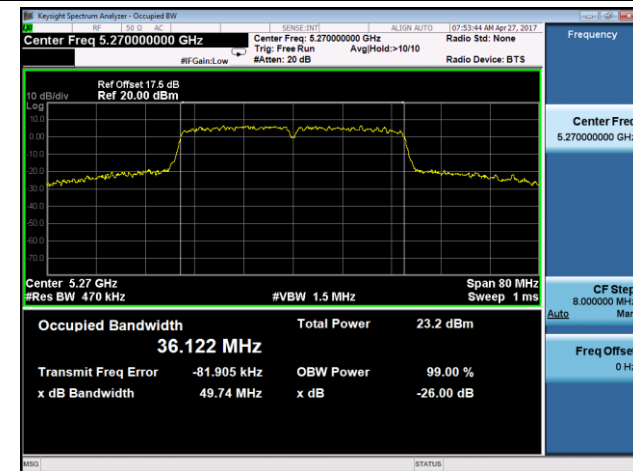


Channel 144 (5720MHz)

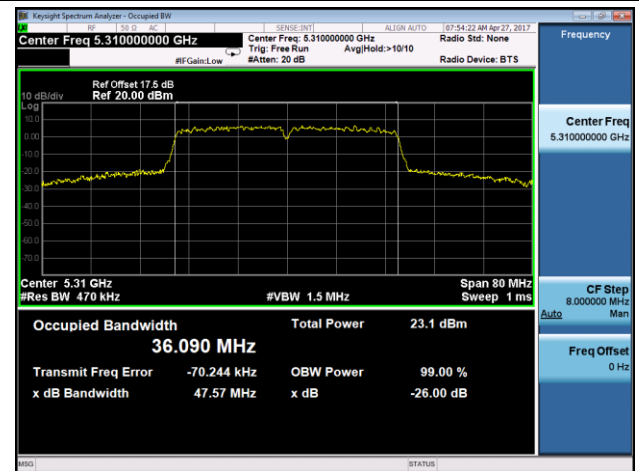


802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0

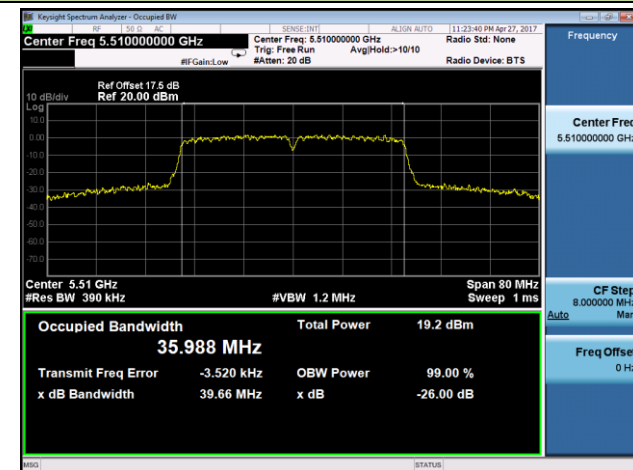
Channel 54 (5270MHz)



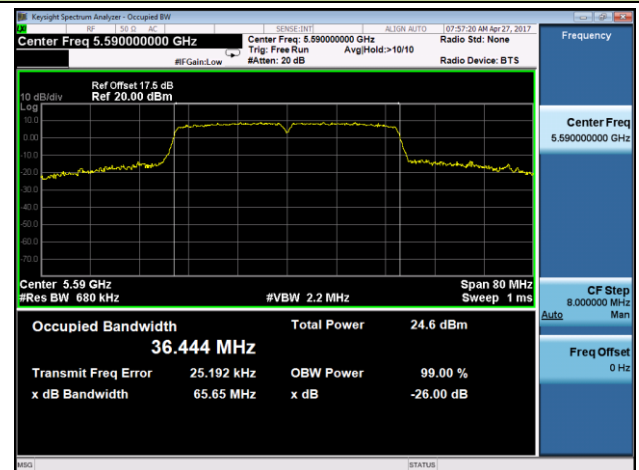
Channel 62 (5310MHz)



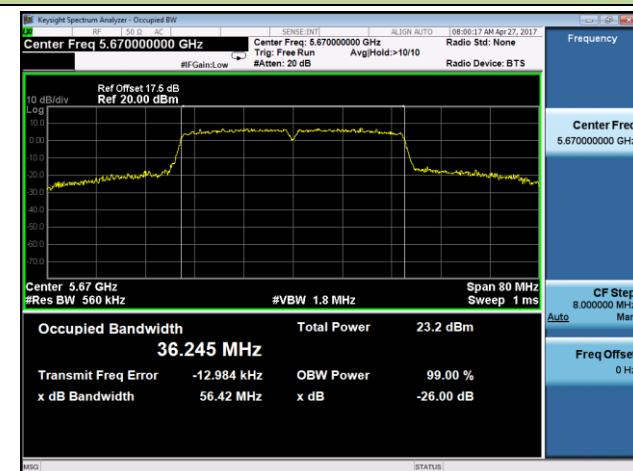
Channel 102 (5510MHz)



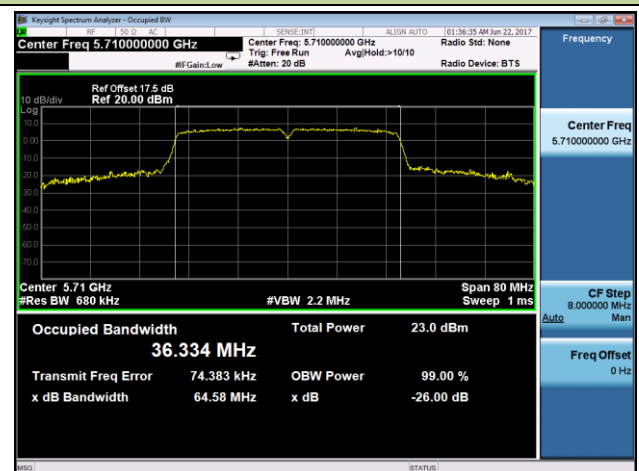
Channel 118 (5590MHz)



Channel 134 (5670MHz)

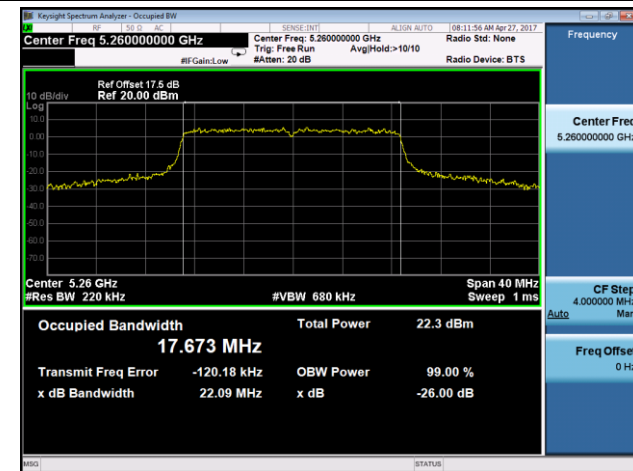


Channel 142 (5710MHz)

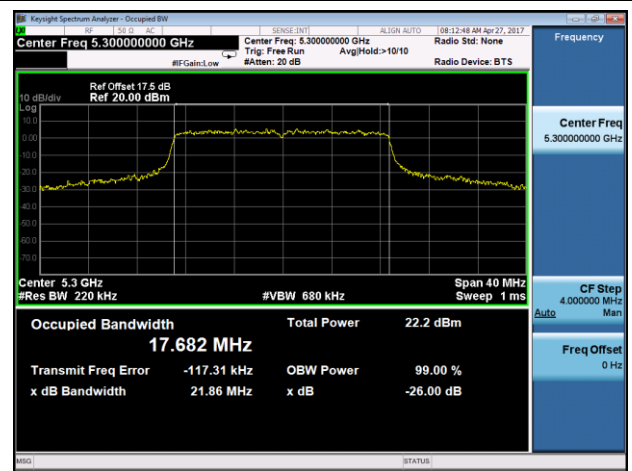


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0

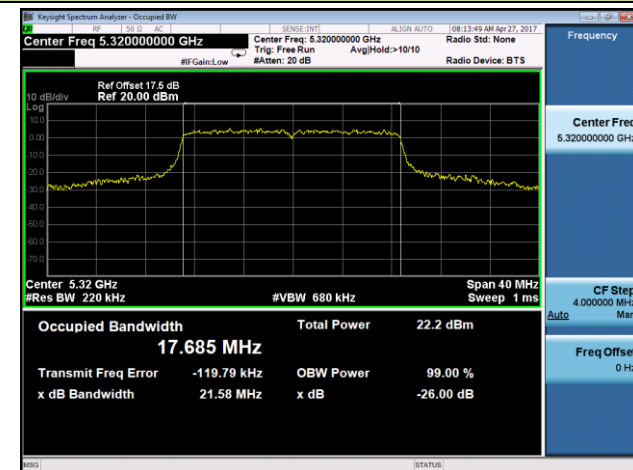
Channel 52 (5260MHz)



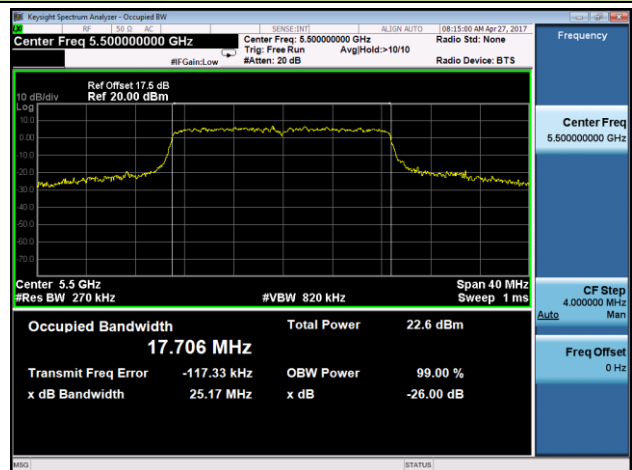
Channel 60 (5300MHz)



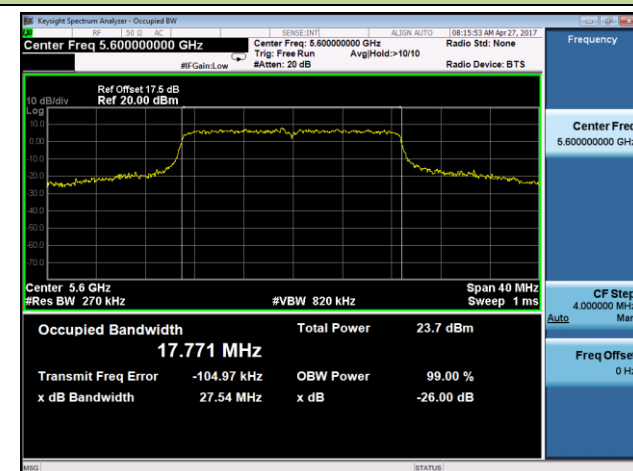
Channel 64 (5320MHz)



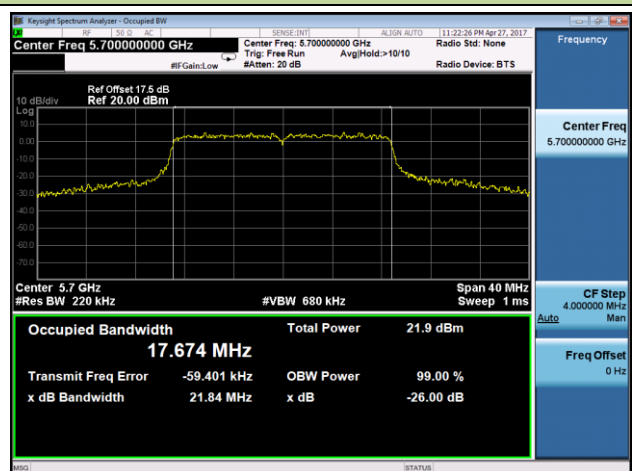
Channel 100 (5500MHz)

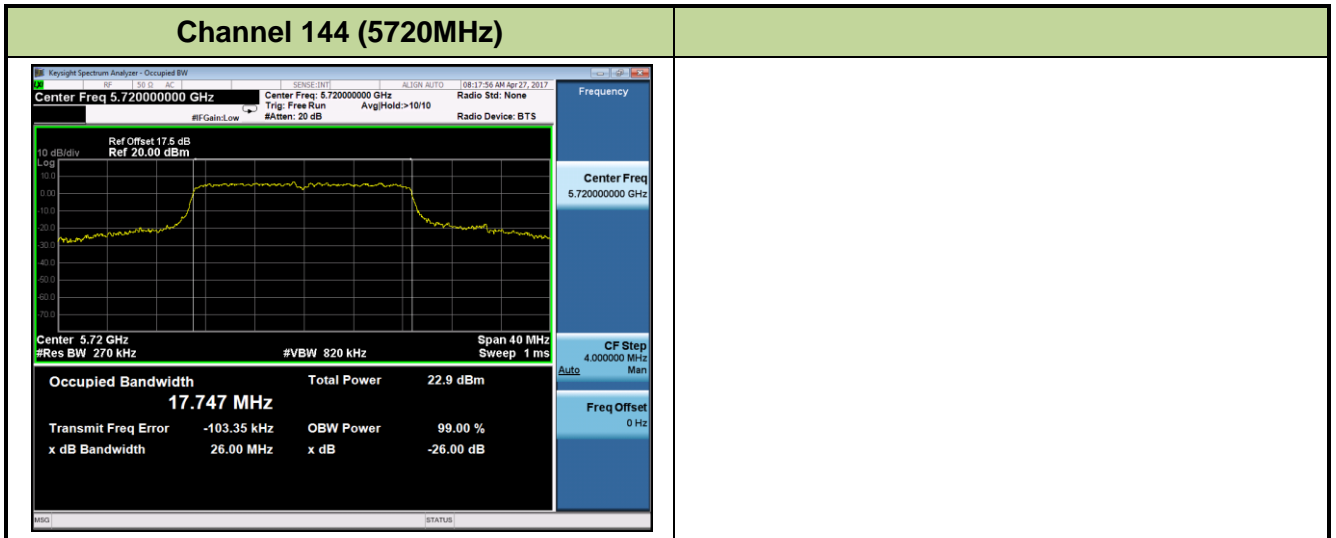


Channel 120 (5600MHz)



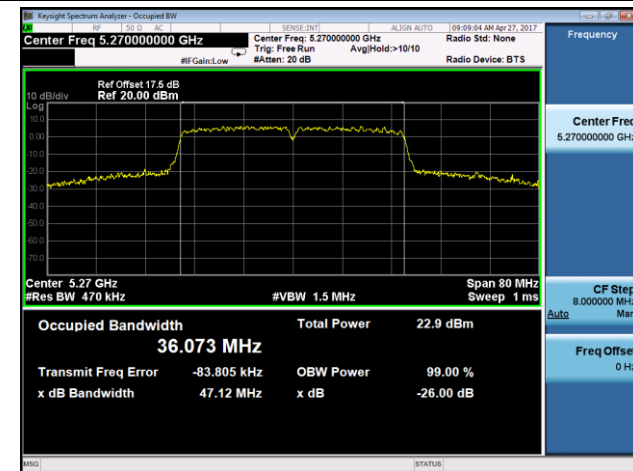
Channel 140 (5700MHz)



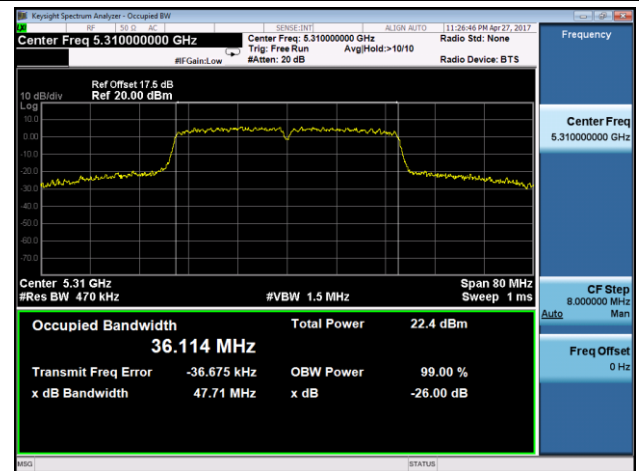


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 0

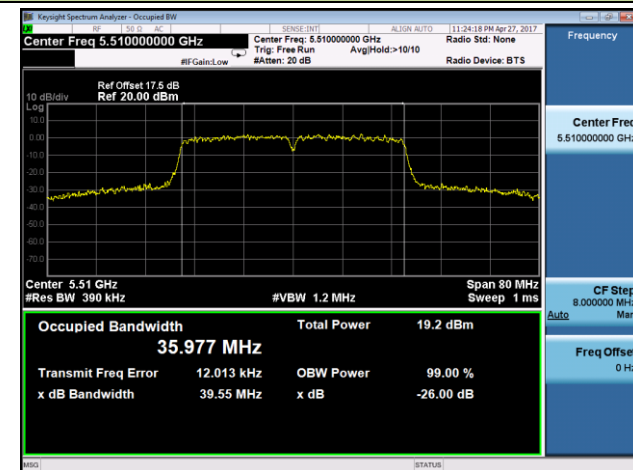
Channel 54 (5270MHz)



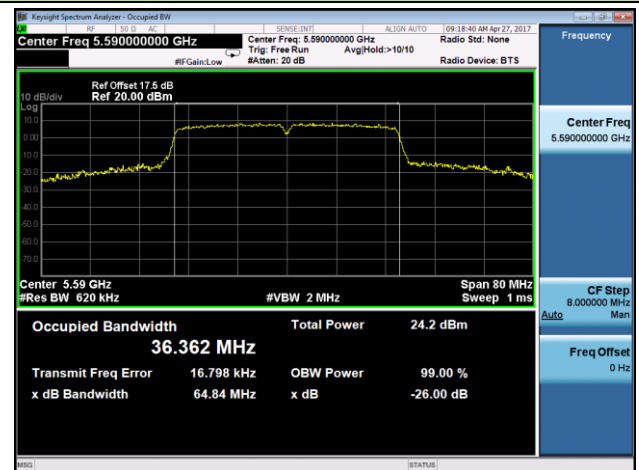
Channel 62 (5310MHz)



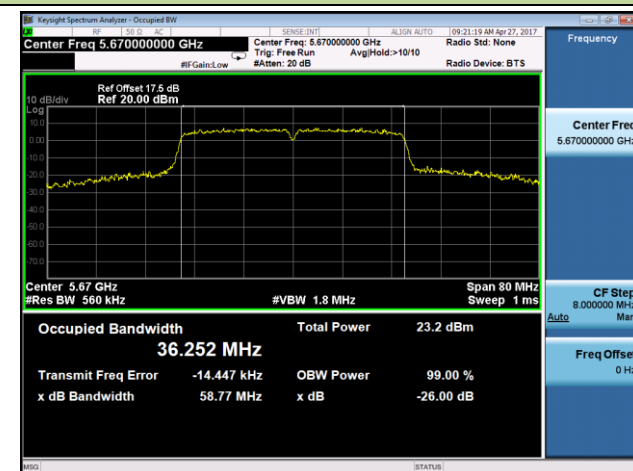
Channel 102 (5510MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)

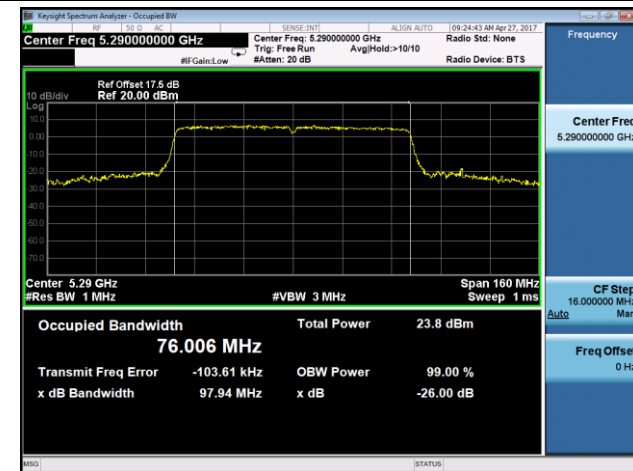


Channel 142 (5710MHz)

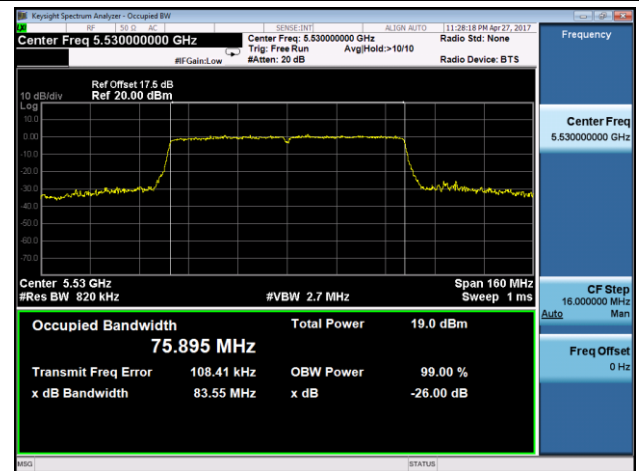


802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0

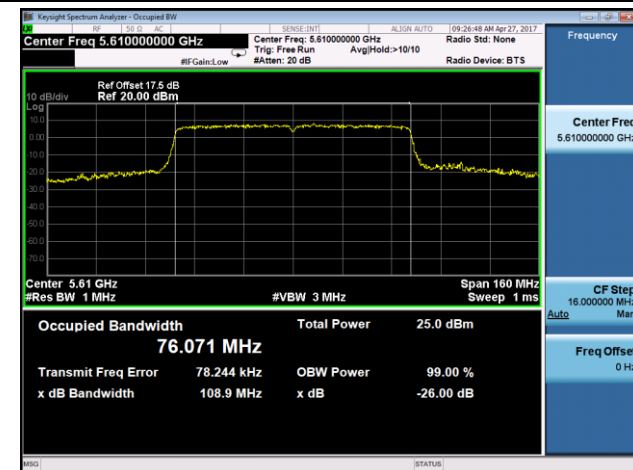
Channel 58 (5290MHz)



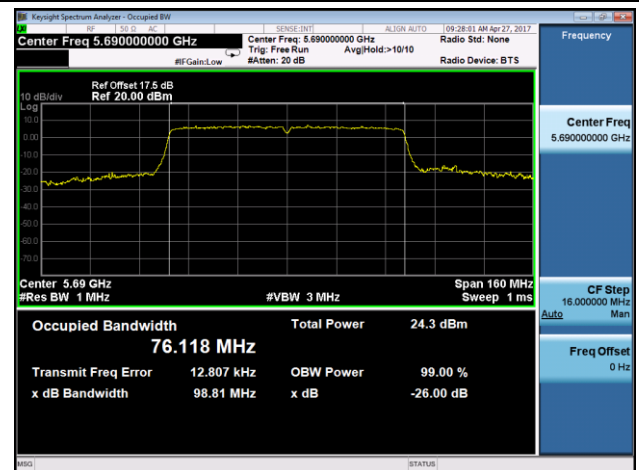
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



7.3. Output Power Measurement

7.3.1. Test Limit

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (23.98dBm) or 11dBm +10 log (26dB BW).

If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5250~5350MHz: Limit (dBm) = 23.98dBm - (10dBi - 6dBi) = 19.98dBm

5470~5725MHz: Limit (dBm) = 23.98dBm - (10dBi - 6dBi) = 19.98dBm

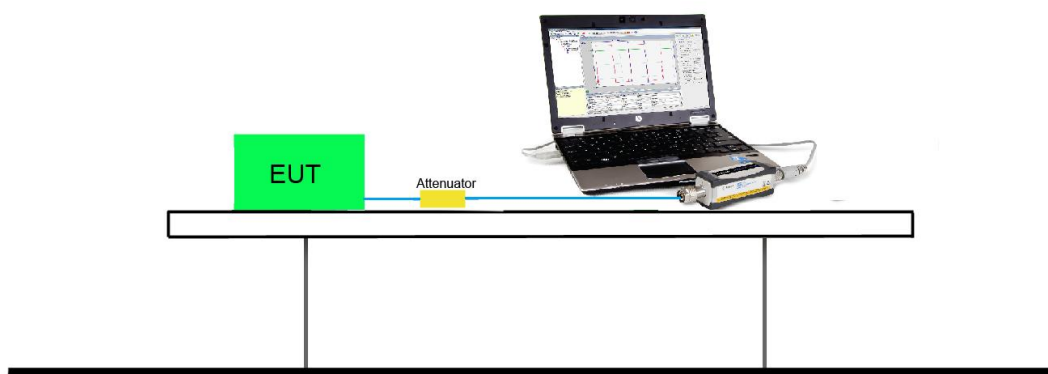
7.3.2. Test Procedure Used

KDB 789033 D02v01r04 - Section E) 3) b) Method PM-G

7.3.3. Test Setting

Average power measurements were performed 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.

7.3.4. Test Setup



7.3.5. Test Result

Power output test was verified over all data rates of each mode shown as below table.

For Ant 0 port:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	Average Power (dBm)
802.11a	20	60	5300	6	17.13
				24	17.02
				54	16.76
802.11n	20	60	5300	6.5	17.13
				7.2	17.07
				26.0	16.74
				28.9	16.69
				65.0	16.47
				72.0	16.42
802.11n	40	62	5310	13.5	17.52
				15.0	17.48
				54.0	17.23
				60.0	17.19
				135.0	16.75
				150.0	16.59
802.11ac	20	60	5300	6.5	17.15
				7.2	17.09
				39.0	16.63
				43.3	16.55
				78.0	16.26
				86.7	16.14
802.11ac	40	62	5310	13.5	17.02
				15.0	16.96
				108.0	16.71
				120.0	16.68
				180.0	16.46
				200.0	16.38

802.11ac	80	58	5290	29.3	17.09
				32.5	16.68
				234.0	16.35
				260.0	16.32
				390.0	16.11
				433.3	16.03

Product	Wireless Access Point	Temperature	25°C
Test Engineer	Bruce Wang	Relative Humidity	54%
Test Site	TR3	Test Date	2017/04/20

1Tx_Ant 0

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
11a	6	52	5260	17.32	≤ 19.98	Pass
11a	6	60	5300	17.13	≤ 19.98	Pass
11a	6	64	5320	16.96	≤ 19.98	Pass
11a	6	100	5500	16.21	≤ 19.98	Pass
11a	6	120	5600	16.82	≤ 19.98	Pass
11a	6	140	5700	15.34	≤ 19.98	Pass
11a	6	144	5720	15.86	≤ 19.98	Pass
11n-HT20	6.5	52	5260	17.35	≤ 19.98	Pass
11n-HT20	6.5	60	5300	17.13	≤ 19.98	Pass
11n-HT20	6.5	64	5320	16.99	≤ 19.98	Pass
11n-HT20	6.5	100	5500	16.26	≤ 19.98	Pass
11n-HT20	6.5	120	5600	16.87	≤ 19.98	Pass
11n-HT20	6.5	140	5700	15.37	≤ 19.98	Pass
11n-HT20	6.5	144	5720	15.91	≤ 19.98	Pass
11n-HT40	13.5	54	5270	17.68	≤ 19.98	Pass
11n-HT40	13.5	62	5310	17.52	≤ 19.98	Pass
11n-HT40	13.5	102	5510	13.10	≤ 19.98	Pass
11n-HT40	13.5	118	5590	17.38	≤ 19.98	Pass
11n-HT40	13.5	134	5670	16.30	≤ 19.98	Pass
11n-HT40	13.5	142	5710	16.43	≤ 19.98	Pass
11ac-VHT20	6.5	52	5260	17.32	≤ 19.98	Pass
11ac-VHT20	6.5	60	5300	17.15	≤ 19.98	Pass
11ac-VHT20	6.5	64	5320	17.02	≤ 19.98	Pass
11ac-VHT20	6.5	100	5500	16.27	≤ 19.98	Pass
11ac-VHT20	6.5	120	5600	16.91	≤ 19.98	Pass
11ac-VHT20	6.5	140	5700	14.98	≤ 19.98	Pass
11ac-VHT20	6.5	144	5720	15.46	≤ 19.98	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
11ac-VHT40	13.5	54	5270	17.74	≤ 19.98	Pass
11ac-VHT40	13.5	62	5310	17.02	≤ 19.98	Pass
11ac-VHT40	13.5	102	5510	13.08	≤ 19.98	Pass
11ac-VHT40	13.5	118	5590	17.37	≤ 19.98	Pass
11ac-VHT40	13.5	134	5670	16.31	≤ 19.98	Pass
11ac-VHT40	13.5	142	5710	15.75	≤ 19.98	Pass
11ac-VHT80	29.3	58	5290	17.09	≤ 19.98	Pass
11ac-VHT80	29.3	106	5530	11.91	≤ 19.98	Pass
11ac-VHT80	29.3	122	5610	16.76	≤ 19.98	Pass
11ac-VHT80	29.3	138	5690	15.56	≤ 19.98	Pass

2TX

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Limit (dBm)	Result
				Ant 0	Ant 0			
11n-HT20	13	52	5260	15.78	16.43	19.13	≤ 19.98	Pass
11n-HT20	13	60	5300	16.01	16.69	19.37	≤ 19.98	Pass
11n-HT20	13	64	5320	15.95	16.26	19.12	≤ 19.98	Pass
11n-HT20	13	100	5500	15.33	14.98	18.17	≤ 19.98	Pass
11n-HT20	13	120	5600	14.86	14.39	17.64	≤ 19.98	Pass
11n-HT20	13	140	5700	13.90	13.32	16.63	≤ 19.98	Pass
11n-HT20	13	144	5720	14.51	13.82	17.19	≤ 19.98	Pass
11n-HT40	27	54	5270	16.11	16.66	19.40	≤ 19.98	Pass
11n-HT40	27	62	5310	14.48	14.86	17.68	≤ 19.98	Pass
11n-HT40	27	102	5510	10.94	11.02	13.99	≤ 19.98	Pass
11n-HT40	27	118	5590	15.96	15.71	18.85	≤ 19.98	Pass
11n-HT40	27	134	5670	16.28	15.93	19.12	≤ 19.98	Pass
11n-HT40	27	142	5710	16.08	15.65	18.88	≤ 19.98	Pass
11ac-VHT20	13	52	5260	15.92	16.40	19.18	≤ 19.98	Pass
11ac-VHT20	13	60	5300	16.19	16.72	19.47	≤ 19.98	Pass
11ac-VHT20	13	64	5320	15.60	16.33	18.99	≤ 19.98	Pass
11ac-VHT20	13	100	5500	14.97	15.13	18.06	≤ 19.98	Pass
11ac-VHT20	13	120	5600	14.95	14.51	17.75	≤ 19.98	Pass
11ac-VHT20	13	140	5700	13.56	12.79	16.20	≤ 19.98	Pass
11ac-VHT20	13	144	5720	14.15	13.78	16.98	≤ 19.98	Pass
11ac-VHT40	27	54	5270	16.21	16.71	19.48	≤ 19.98	Pass
11ac-VHT40	27	62	5310	13.50	13.79	16.66	≤ 19.98	Pass
11ac-VHT40	27	102	5510	10.06	9.94	13.01	≤ 19.98	Pass
11ac-VHT40	27	118	5590	16.72	16.29	19.52	≤ 19.98	Pass
11ac-VHT40	27	134	5670	14.69	14.45	17.58	≤ 19.98	Pass
11ac-VHT40	27	142	5710	15.81	15.36	18.60	≤ 19.98	Pass
11ac-VHT80	58.6	58	5290	13.12	13.52	16.33	≤ 19.98	Pass
11ac-VHT80	58.6	106	5530	9.05	8.76	11.92	≤ 19.98	Pass
11ac-VHT80	58.6	122	5610	16.58	16.24	19.42	≤ 19.98	Pass
11ac-VHT80	58.6	138	5690	15.57	15.26	18.43	≤ 19.98	Pass

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

7.4. Transmit Power Control

7.4.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

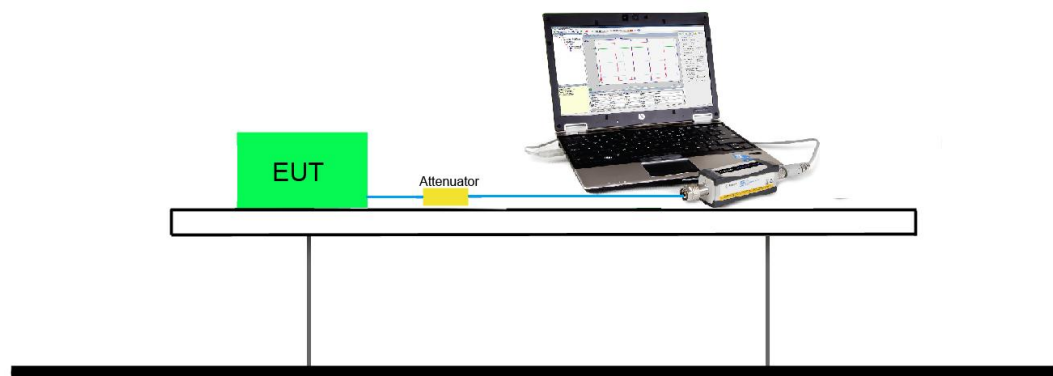
7.4.2. Test Procedure Used

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

7.4.3. Test Setting

Average power measurements were performed 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

Product	Wireless Access Point	Temperature	25°C
Test Engineer	Bruce Wang	Relative Humidity	54%
Test Site	TR3	Test Date	2017/04/20

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	TPC Power (dBm)	EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0							
802.11a	6	52	5260	13.56	23.56	≤ 24	Pass
802.11a	6	60	5300	13.53	23.53	≤ 24	Pass
802.11a	6	64	5320	13.90	23.90	≤ 24	Pass
802.11a	6	100	5500	13.87	23.87	≤ 24	Pass
802.11a	6	120	5600	13.57	23.57	≤ 24	Pass
802.11a	6	140	5700	13.73	23.73	≤ 24	Pass
802.11a	6	144	5720	13.65	23.65	≤ 24	Pass
802.11n-HT20	6.5	52	5260	13.64	23.64	≤ 24	Pass
802.11n-HT20	6.5	60	5300	13.47	23.47	≤ 24	Pass
802.11n-HT20	6.5	64	5320	13.88	23.88	≤ 24	Pass
802.11n-HT20	6.5	100	5500	13.94	23.94	≤ 24	Pass
802.11n-HT20	6.5	120	5600	13.56	23.56	≤ 24	Pass
802.11n-HT20	6.5	140	5700	13.72	23.72	≤ 24	Pass
802.11n-HT20	6.5	144	5720	13.55	23.55	≤ 24	Pass
802.11n-HT40	13.5	54	5270	13.86	23.86	≤ 24	Pass
802.11n-HT40	13.5	62	5310	13.65	23.65	≤ 24	Pass
802.11n-HT40	13.5	102	5510	13.14	23.14	≤ 24	Pass
802.11n-HT40	13.5	118	5590	13.88	23.88	≤ 24	Pass
802.11n-HT40	13.5	134	5670	13.85	23.85	≤ 24	Pass
802.11n-HT40	13.5	142	5710	13.46	23.46	≤ 24	Pass
802.11ac-VHT20	6.5	52	5260	13.59	23.59	≤ 24	Pass
802.11ac-VHT20	6.5	60	5300	13.41	23.41	≤ 24	Pass
802.11ac-VHT20	6.5	64	5320	13.87	23.87	≤ 24	Pass
802.11ac-VHT20	6.5	100	5500	13.87	23.87	≤ 24	Pass
802.11ac-VHT20	6.5	120	5600	13.51	23.51	≤ 24	Pass
802.11ac-VHT20	6.5	140	5700	13.68	23.68	≤ 24	Pass
802.11ac-VHT20	6.5	144	5720	13.81	23.81	≤ 24	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	TPC Power (dBm)	EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0							
802.11ac-VHT40	13.5	54	5270	13.72	23.72	≤ 24	Pass
802.11ac-VHT40	13.5	62	5310	13.62	23.62	≤ 24	Pass
802.11ac-VHT40	13.5	102	5510	13.10	23.10	≤ 24	Pass
802.11ac-VHT40	13.5	118	5590	13.90	23.90	≤ 24	Pass
802.11ac-VHT40	13.5	134	5670	13.78	23.78	≤ 24	Pass
802.11ac-VHT40	13.5	142	5710	13.90	23.90	≤ 24	Pass
802.11ac-VHT80	29.3	58	5290	13.81	23.81	≤ 24	Pass
802.11ac-VHT80	29.3	106	5530	11.89	21.89	≤ 24	Pass
802.11ac-VHT80	29.3	122	5610	13.74	23.74	≤ 24	Pass
802.11ac-VHT80	29.3	138	5690	13.62	23.62	≤ 24	Pass

Note: EIRP TPC Power (dBm) = TPC Power (dBm) + Antenna Gain (dBi).

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
Ant 0 + 1								
802.11n-HT20	13	52	5260	10.68	11.01	23.86	≤ 24	Pass
802.11n-HT20	13	60	5300	10.78	10.86	23.83	≤ 24	Pass
802.11n-HT20	13	64	5320	10.72	10.83	23.79	≤ 24	Pass
802.11n-HT20	13	100	5500	11.00	10.64	23.83	≤ 24	Pass
802.11n-HT20	13	120	5600	11.06	10.83	23.96	≤ 24	Pass
802.11n-HT20	13	140	5700	10.78	10.26	23.54	≤ 24	Pass
802.11n-HT20	13	144	5720	10.65	10.14	23.41	≤ 24	Pass
802.11n-HT40	27	54	5270	10.62	10.90	23.77	≤ 24	Pass
802.11n-HT40	27	62	5310	10.54	10.75	23.66	≤ 24	Pass
802.11n-HT40	27	102	5510	10.90	10.49	23.71	≤ 24	Pass
802.11n-HT40	27	118	5590	10.87	10.29	23.60	≤ 24	Pass
802.11n-HT40	27	134	5670	10.75	10.62	23.70	≤ 24	Pass
802.11n-HT40	27	142	5710	10.54	10.45	23.51	≤ 24	Pass
802.11ac-VHT20	13	52	5260	10.75	10.60	23.69	≤ 24	Pass
802.11ac-VHT20	13	60	5300	10.73	10.50	23.63	≤ 24	Pass
802.11ac-VHT20	13	64	5320	10.51	10.42	23.48	≤ 24	Pass
802.11ac-VHT20	13	100	5500	11.10	10.65	23.89	≤ 24	Pass
802.11ac-VHT20	13	120	5600	11.04	10.72	23.89	≤ 24	Pass
802.11ac-VHT20	13	140	5700	10.96	10.56	23.77	≤ 24	Pass
802.11ac-VHT20	13	144	5720	11.02	10.42	23.74	≤ 24	Pass
802.11ac-VHT40	27	54	5270	11.00	10.64	23.83	≤ 24	Pass
802.11ac-VHT40	27	62	5310	10.80	10.45	23.64	≤ 24	Pass
802.11ac-VHT40	27	102	5510	10.18	9.78	22.99	≤ 24	Pass
802.11ac-VHT40	27	118	5590	10.90	10.02	23.49	≤ 24	Pass
802.11ac-VHT40	27	134	5670	10.80	10.42	23.62	≤ 24	Pass
802.11ac-VHT40	27	142	5710	10.98	10.50	23.76	≤ 24	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
802.11ac-VHT80	58.6	58	5290	10.76	10.73	23.76	≤ 24	Pass
802.11ac-VHT80	58.6	106	5530	8.92	8.32	21.64	≤ 24	Pass
802.11ac-VHT80	58.6	122	5610	10.96	10.53	23.76	≤ 24	Pass
802.11ac-VHT80	58.6	138	5690	11.13	10.52	23.85	≤ 24	Pass

Note: Total EIRP TPC Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antenna Gain (dBi)}$.

7.5. Power Spectral Density Measurement

7.5.1. Test Limit

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz 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.

5250~5350MHz: Limit (dBm/MHz) = 11dBm/MHz - (10dBi - 6dBi) = 7dBm/MHz

5470~5725MHz: Limit (dBm/MHz) = 11dBm/MHz - (10dBi - 6dBi) = 7dBm/MHz

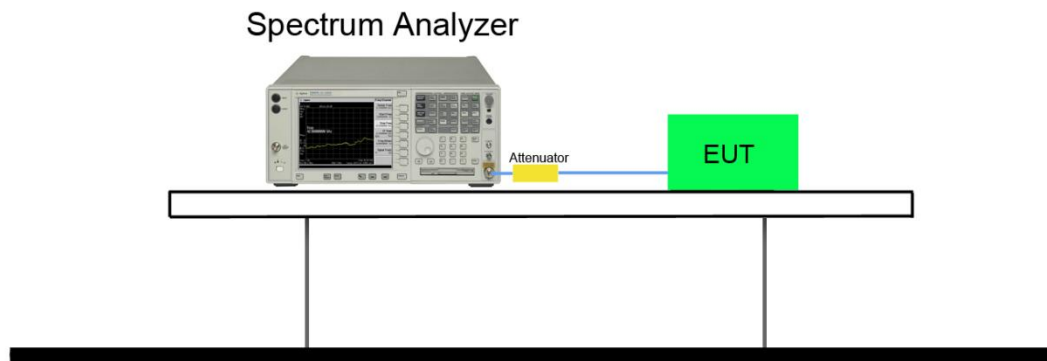
7.5.2. Test Procedure Used

KDB 789033 D02v01r04 - 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 $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
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 $10 \cdot \log(1/x)$, 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 $10 \cdot \log(1/0.25) = 6$ 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 $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 7$ dB to the measured result

7.5.4. Test Setup



7.5.5. Test Result

Product	Wireless Access Point	Temperature	22°C
Test Engineer	Bruce Wang	Relative Humidity	54%
Test Site	TR3	Test Date	2017/04/29

1TX_Ant 0

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD (dBm/MHz)	Duty Cycle (%)	Final PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	4.91	95.57	5.11	≤ 7.00	Pass
11a	6	60	5300	4.65	95.57	4.85	≤ 7.00	Pass
11a	6	64	5320	4.78	95.57	4.98	≤ 7.00	Pass
11a	6	100	5500	4.02	95.57	4.22	≤ 7.00	Pass
11a	6	120	5600	6.53	95.57	6.73	≤ 7.00	Pass
11a	6	140	5700	5.29	95.57	5.49	≤ 7.00	Pass
11a	6	144	5720	4.72	95.57	4.92	≤ 7.00	Pass
11n-HT20	6.5	52	5260	4.69	98.23	4.69	≤ 7.00	Pass
11n-HT20	6.5	60	5300	4.78	98.23	4.78	≤ 7.00	Pass
11n-HT20	6.5	64	5320	4.57	98.23	4.57	≤ 7.00	Pass
11n-HT20	6.5	100	5500	4.60	98.23	4.60	≤ 7.00	Pass
11n-HT20	6.5	120	5600	6.04	98.23	6.04	≤ 7.00	Pass
11n-HT20	6.5	140	5700	5.06	98.23	5.06	≤ 7.00	Pass
11n-HT20	6.5	144	5720	4.31	98.23	4.39	≤ 7.00	Pass
11n-HT40	13.5	54	5270	2.53	95.22	2.74	≤ 7.00	Pass
11n-HT40	13.5	62	5310	2.29	95.22	2.50	≤ 7.00	Pass
11n-HT40	13.5	102	5510	-1.28	95.22	-1.07	≤ 7.00	Pass
11n-HT40	13.5	118	5590	3.71	95.22	3.92	≤ 7.00	Pass
11n-HT40	13.5	134	5670	3.07	95.22	3.28	≤ 7.00	Pass
11n-HT40	13.5	142	5710	1.76	95.22	1.97	≤ 7.00	Pass
11ac-VHT20	6.5	52	5260	4.91	98.23	4.91	≤ 7.00	Pass
11ac-VHT20	6.5	60	5300	4.98	98.23	4.98	≤ 7.00	Pass
11ac-VHT20	6.5	64	5320	4.75	98.23	4.75	≤ 7.00	Pass
11ac-VHT20	6.5	100	5500	4.77	98.23	4.77	≤ 7.00	Pass
11ac-VHT20	6.5	120	5600	5.96	98.23	5.96	≤ 7.00	Pass
11ac-VHT20	6.5	140	5700	4.73	98.23	4.73	≤ 7.00	Pass
11ac-VHT20	6.5	144	5720	5.22	98.23	5.22	≤ 7.00	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD (dBm/MHz)	Duty Cycle (%)	Final PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	13.5	54	5270	2.54	94.86	2.77	≤ 7.00	Pass
11ac-VHT40	13.5	62	5310	1.86	94.86	2.09	≤ 7.00	Pass
11ac-VHT40	13.5	102	5510	-1.19	94.86	-0.96	≤ 7.00	Pass
11ac-VHT40	13.5	118	5590	3.65	94.86	3.88	≤ 7.00	Pass
11ac-VHT40	13.5	134	5670	3.12	94.86	3.35	≤ 7.00	Pass
11ac-VHT40	13.5	142	5710	2.71	94.86	2.94	≤ 7.00	Pass
11ac-VHT80	29.3	58	5290	-1.44	89.97	-0.98	≤ 7.00	Pass
11ac-VHT80	29.3	106	5530	-5.89	89.97	-5.43	≤ 7.00	Pass
11ac-VHT80	29.3	122	5610	-0.07	89.97	0.39	≤ 7.00	Pass
11ac-VHT80	29.3	138	5690	-0.91	89.97	-0.45	≤ 7.00	Pass

Note 1: When EUT duty cycle ≥ 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz).

Note 2: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz) + 10*log(1/Duty Cycle).

2TX_Ant 0+1

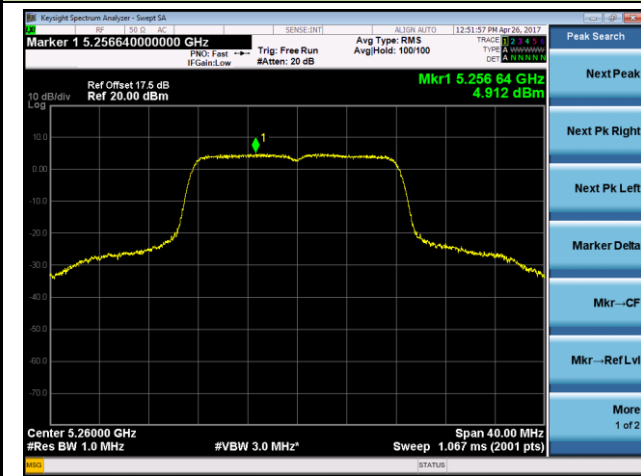
Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11n-HT20	13	52	5260	3.30	3.73	98.23	6.53	≤ 7.00	Pass
11n-HT20	13	60	5300	3.31	3.90	98.23	6.63	≤ 7.00	Pass
11n-HT20	13	64	5320	3.52	3.67	98.23	6.61	≤ 7.00	Pass
11n-HT20	13	100	5500	4.00	3.77	98.23	6.90	≤ 7.00	Pass
11n-HT20	13	120	5600	3.92	3.62	98.23	6.78	≤ 7.00	Pass
11n-HT20	13	140	5700	3.35	3.10	98.23	6.23	≤ 7.00	Pass
11n-HT20	13	144	5720	3.46	3.00	98.23	6.32	≤ 7.00	Pass
11n-HT40	27	54	5270	0.81	1.01	95.22	4.14	≤ 7.00	Pass
11n-HT40	27	62	5310	-0.66	-0.53	95.22	2.63	≤ 7.00	Pass
11n-HT40	27	102	5510	-3.24	-3.24	95.22	-0.02	≤ 7.00	Pass
11n-HT40	27	118	5590	2.39	2.21	95.22	5.52	≤ 7.00	Pass
11n-HT40	27	134	5670	2.96	2.12	95.22	5.78	≤ 7.00	Pass
11n-HT40	27	142	5710	1.98	2.04	95.22	5.23	≤ 7.00	Pass
11ac-VHT20	13	52	5260	3.25	3.99	98.23	6.64	≤ 7.00	Pass
11ac-VHT20	13	60	5300	3.68	3.89	98.23	6.80	≤ 7.00	Pass
11ac-VHT20	13	64	5320	3.32	3.88	98.23	6.62	≤ 7.00	Pass
11ac-VHT20	13	100	5500	3.57	3.79	98.23	6.69	≤ 7.00	Pass
11ac-VHT20	13	120	5600	3.99	3.80	98.23	6.90	≤ 7.00	Pass
11ac-VHT20	13	140	5700	3.53	3.78	98.23	6.67	≤ 7.00	Pass
11ac-VHT20	13	144	5720	4.05	3.32	98.23	6.71	≤ 7.00	Pass
11ac-VHT40	27	54	5270	0.76	1.59	94.86	4.43	≤ 7.00	Pass
11ac-VHT40	27	62	5310	-1.81	-1.30	94.86	1.69	≤ 7.00	Pass
11ac-VHT40	27	102	5510	-4.34	-4.44	94.86	-1.15	≤ 7.00	Pass
11ac-VHT40	27	118	5590	3.23	2.68	94.86	6.20	≤ 7.00	Pass
11ac-VHT40	27	134	5670	1.04	0.71	94.86	4.12	≤ 7.00	Pass
11ac-VHT40	27	142	5710	2.28	1.81	94.86	5.29	≤ 7.00	Pass
11ac-VHT80	58.6	58	5290	-5.72	-5.30	89.97	-2.04	≤ 7.00	Pass
11ac-VHT80	58.6	106	5530	-9.12	-8.77	89.97	-5.47	≤ 7.00	Pass
11ac-VHT80	58.6	122	5610	-0.31	-0.65	89.97	2.99	≤ 7.00	Pass
11ac-VHT80	58.6	138	5690	-1.24	-1.84	89.97	1.94	≤ 7.00	Pass

Note 1: When EUT duty cycle $\geq 98\%$, the Total PSD (dBm/MHz) = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$.

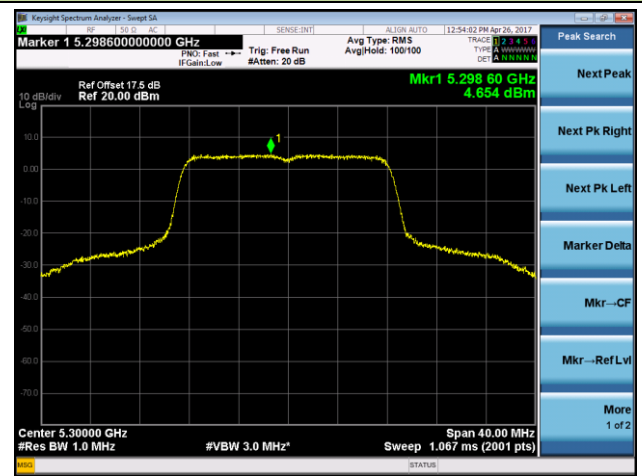
Note 2: When EUT duty cycle $< 98\%$, the Total PSD (dBm/MHz) = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$
+ $10 \cdot \log(1/\text{Duty Cycle})$.

802.11a Power Spectral Density - Ant 0

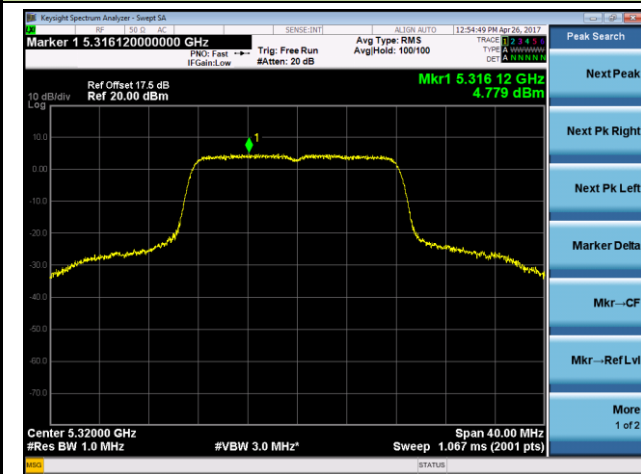
Channel 52 (5260MHz)



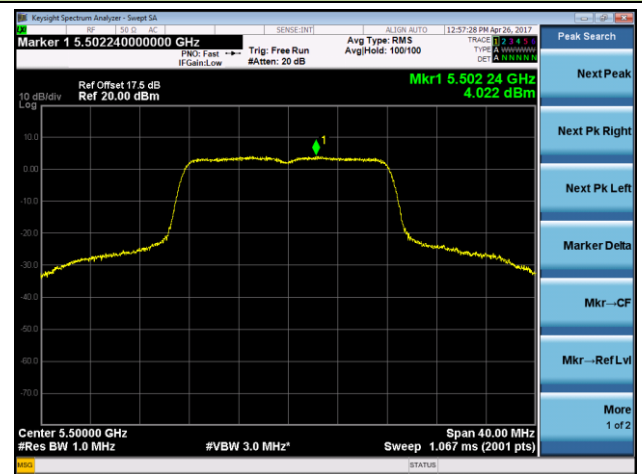
Channel 60 (5300MHz)



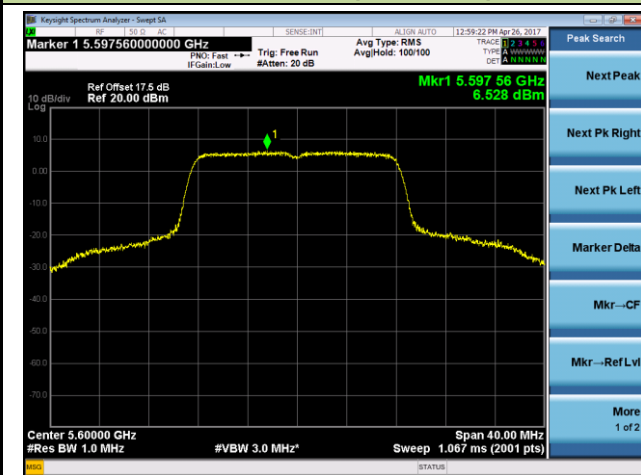
Channel 64 (5320MHz)



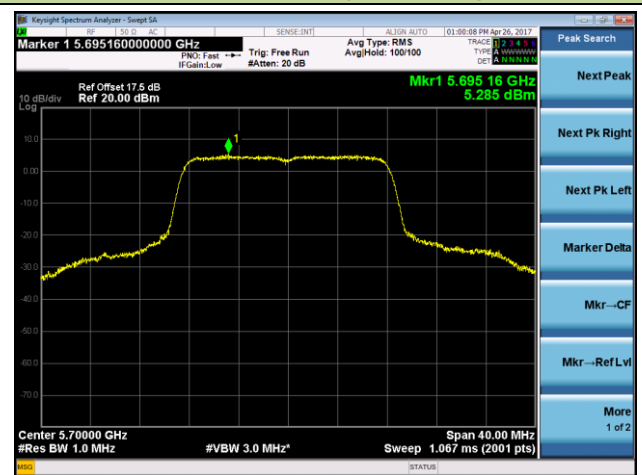
Channel 100 (5500MHz)



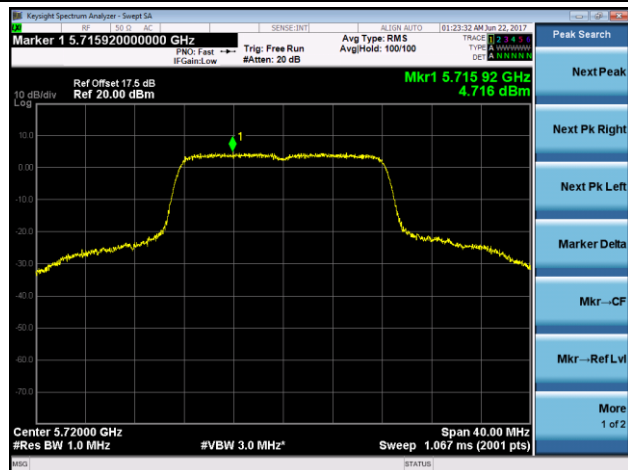
Channel 120 (5600MHz)



Channel 140 (5700MHz)

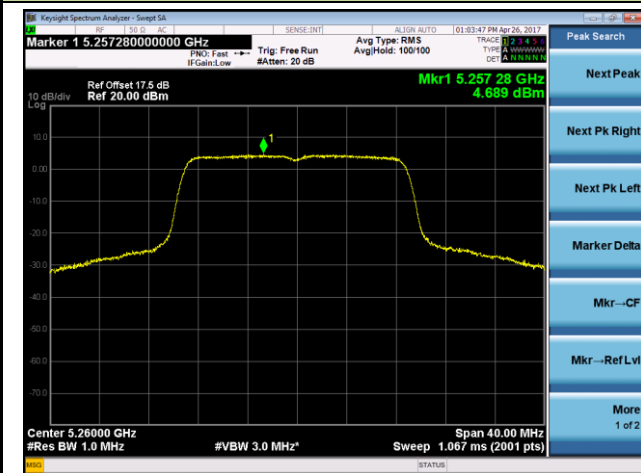


Channel 144 (5720MHz)

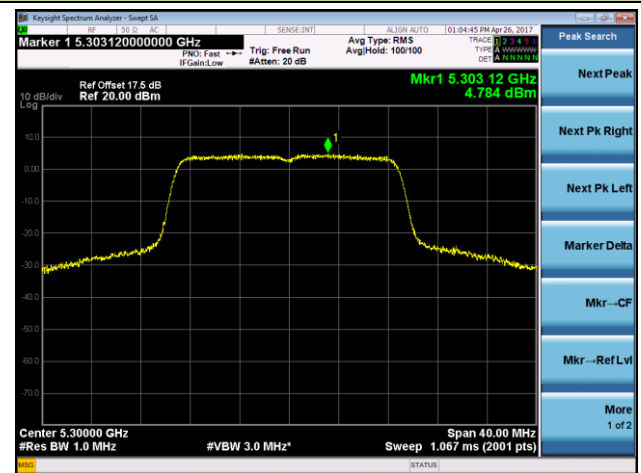


802.11n-HT20 Power Spectral Density - Ant 0

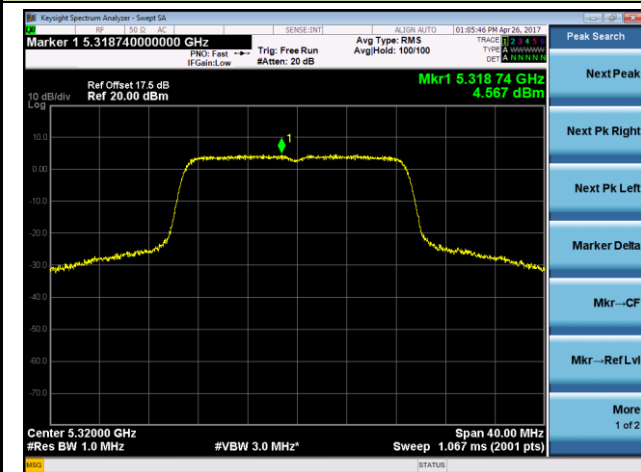
Channel 52 (5260MHz)



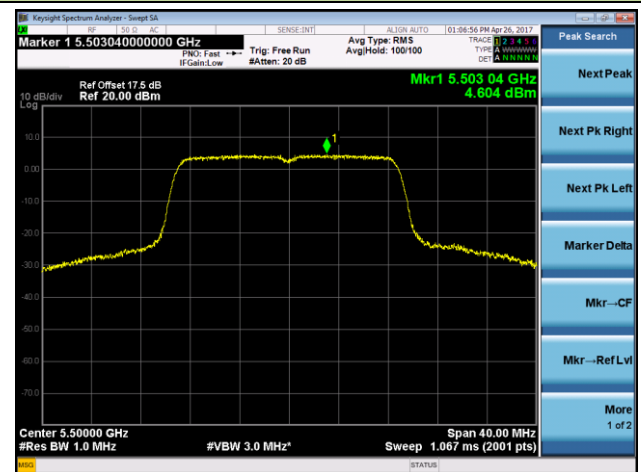
Channel 60 (5300MHz)



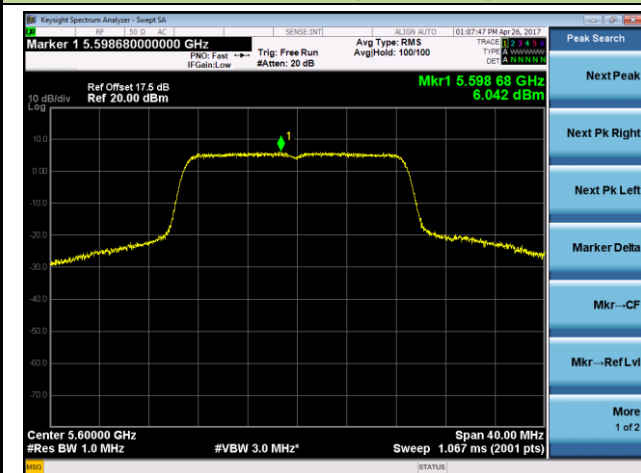
Channel 64 (5320MHz)



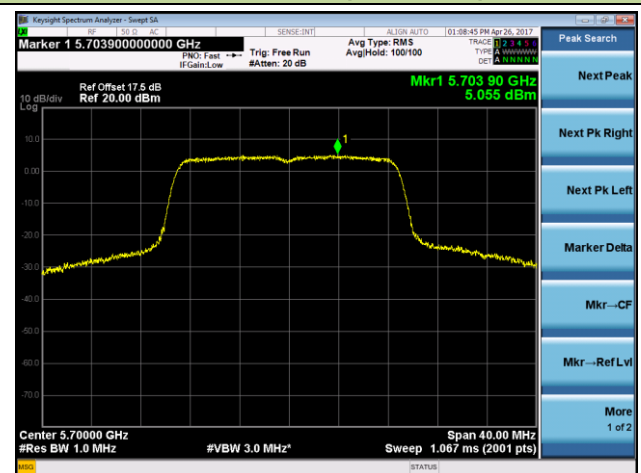
Channel 100 (5500MHz)



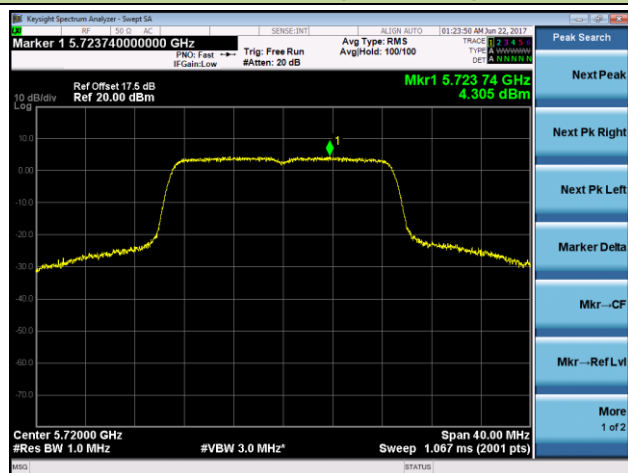
Channel 120 (5600MHz)



Channel 140 (5700MHz)

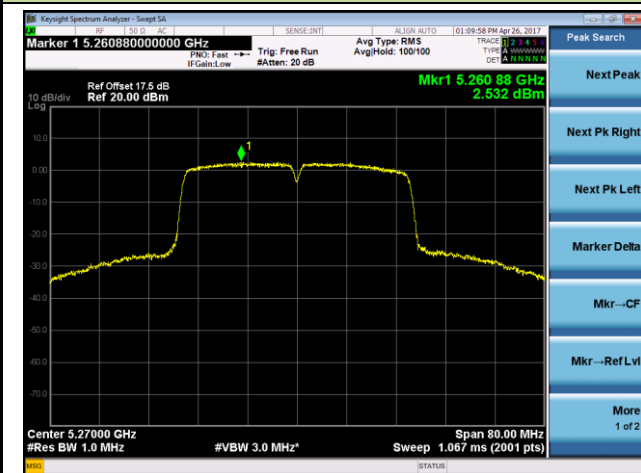


Channel 144 (5720MHz)

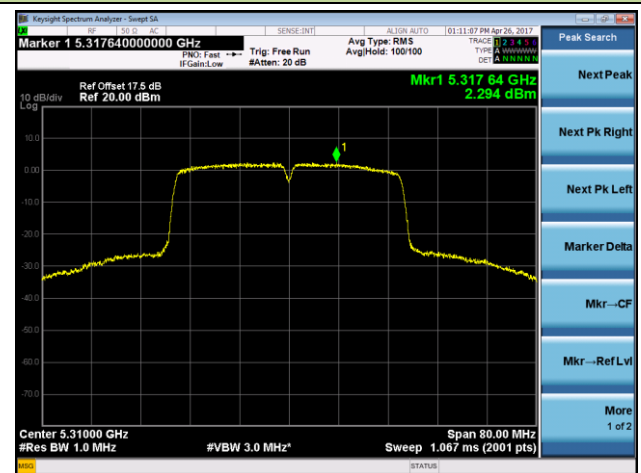


802.11n-HT40 Power Spectral Density - Ant 0

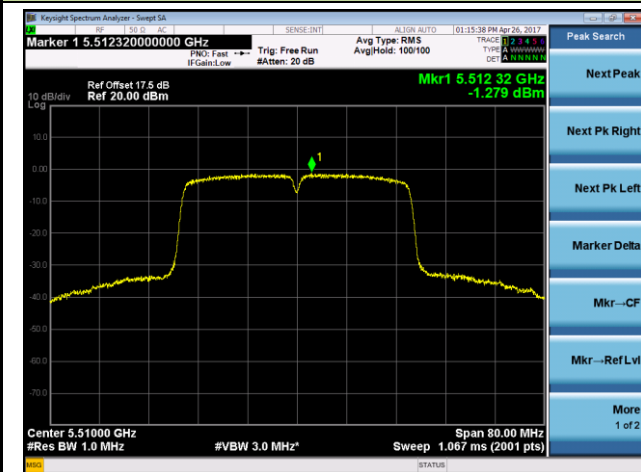
Channel 54 (5270MHz)



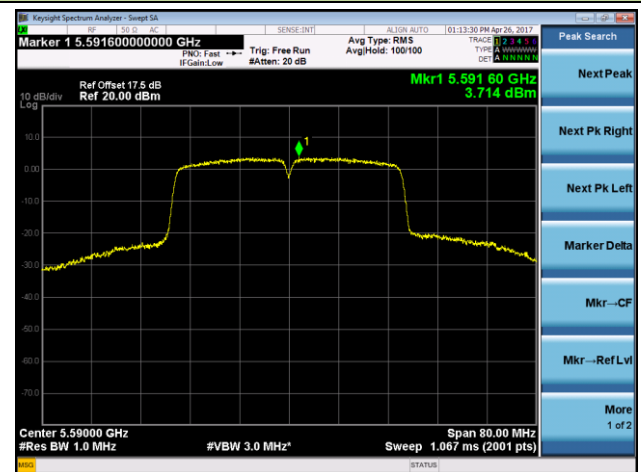
Channel 62 (5310MHz)



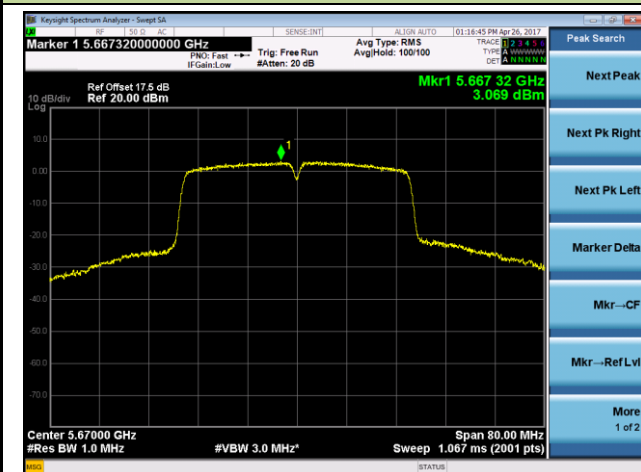
Channel 102 (5510MHz)



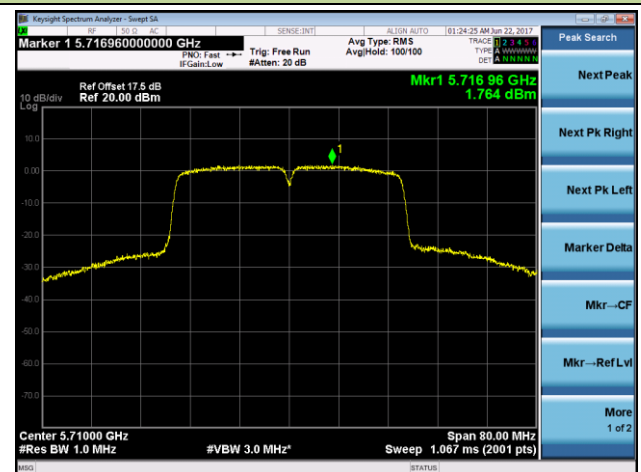
Channel 118 (5590MHz)



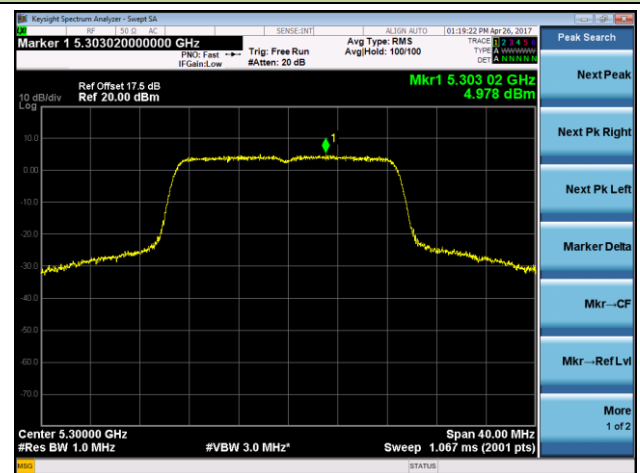
Channel 134 (5670MHz)



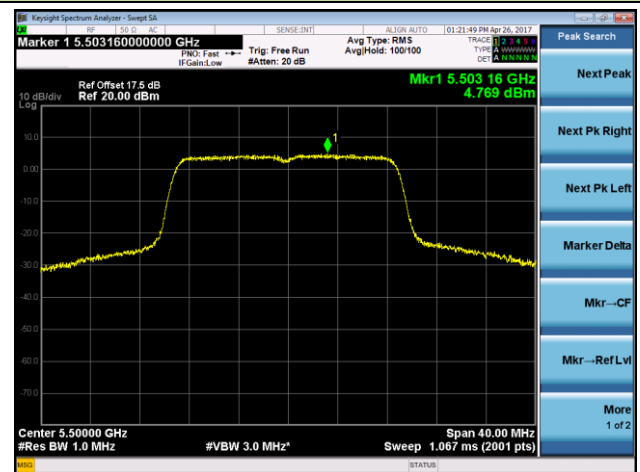
Channel 142 (5710MHz)



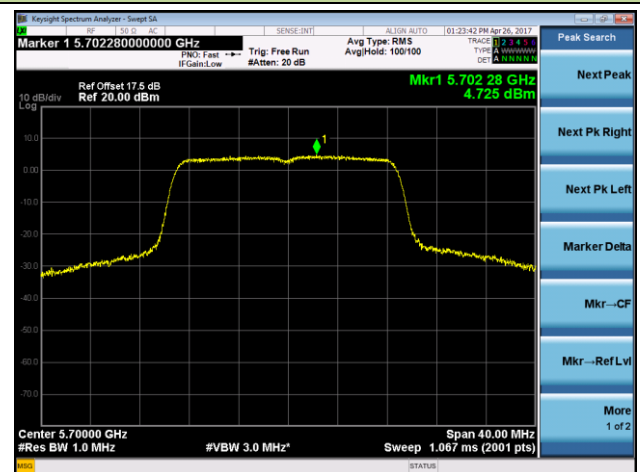
Channel 60 (5300MHz)



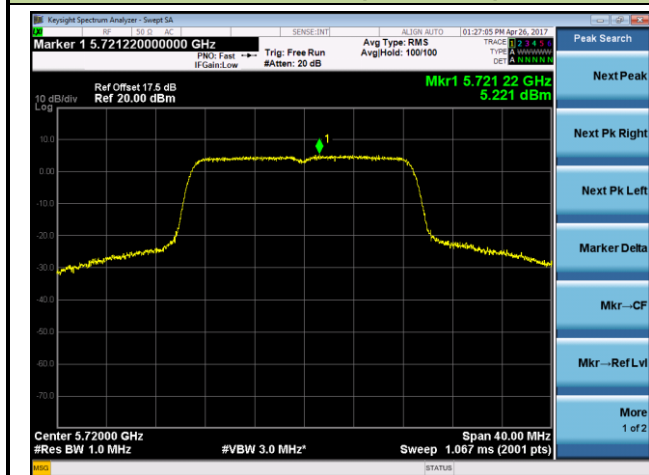
Channel 100 (5500MHz)



Channel 140 (5700MHz)

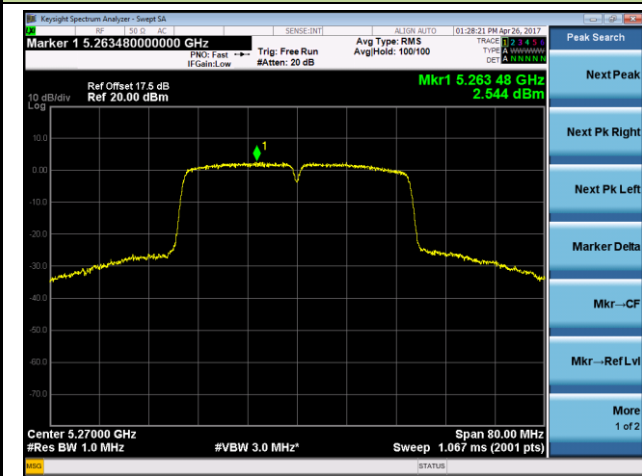


Channel 144 (5720MHz)

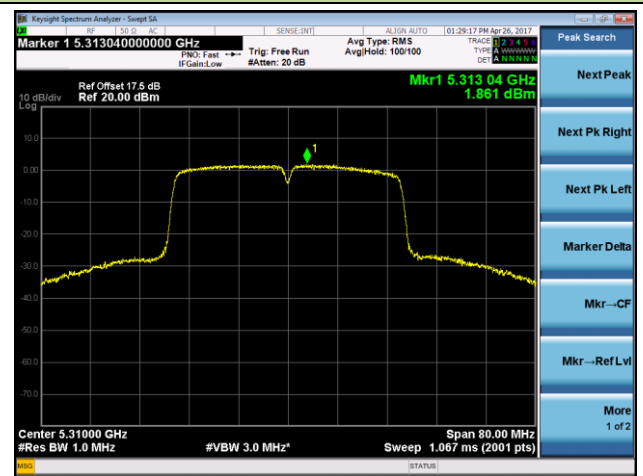


802.11ac-VHT40 Power Spectral Density - Ant 0

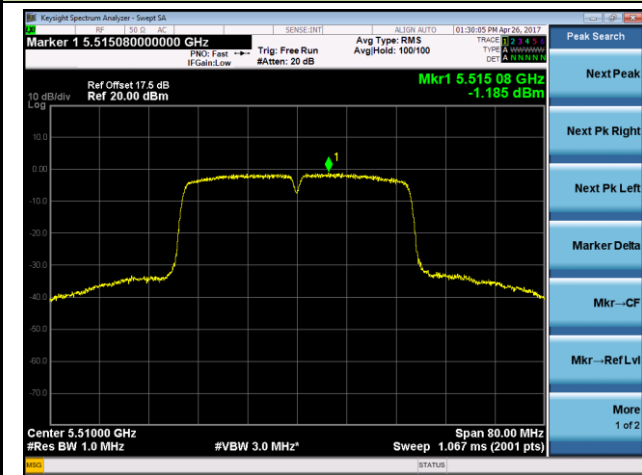
Channel 54 (5270MHz)



Channel 62 (5310MHz)



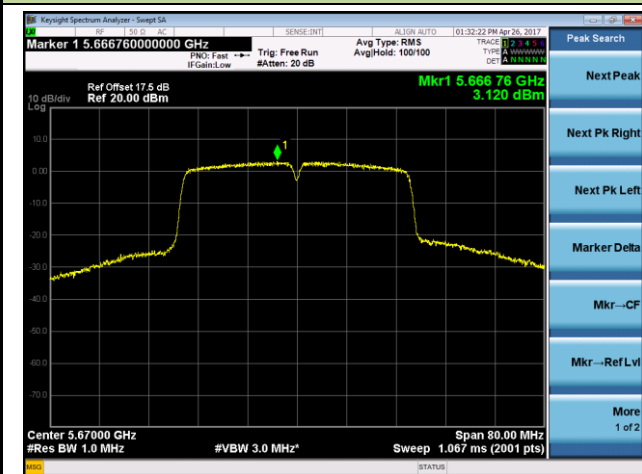
Channel 102 (5510MHz)



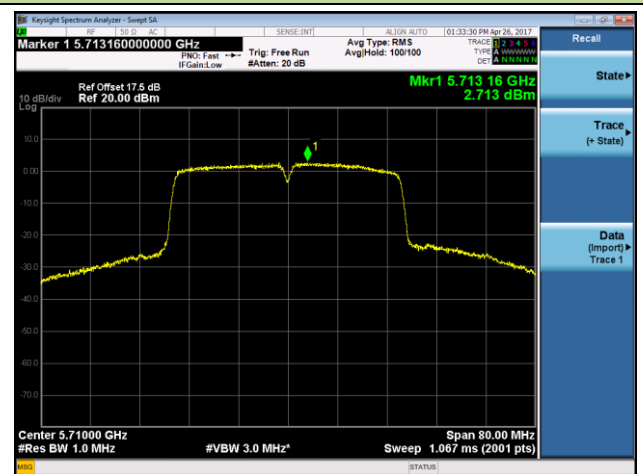
Channel 118 (5590MHz)



Channel 134 (5670MHz)

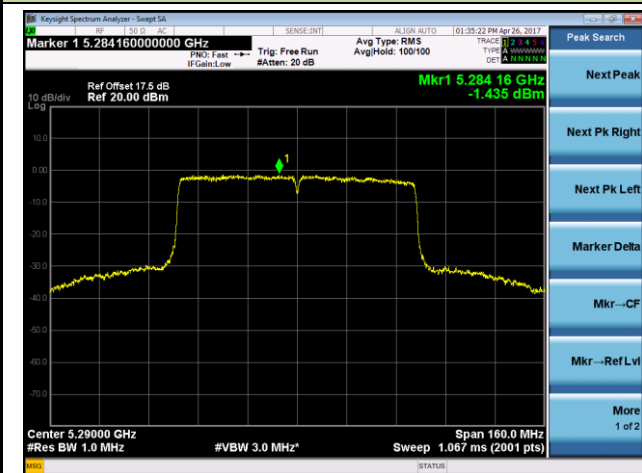


Channel 142 (5710MHz)

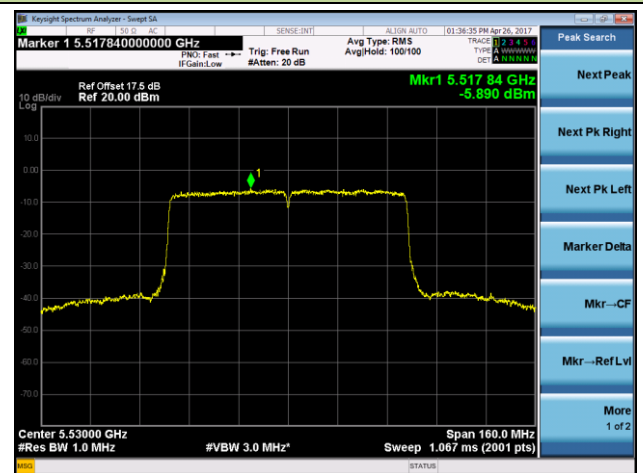


802.11ac-VHT80 Power Spectral Density - Ant 0

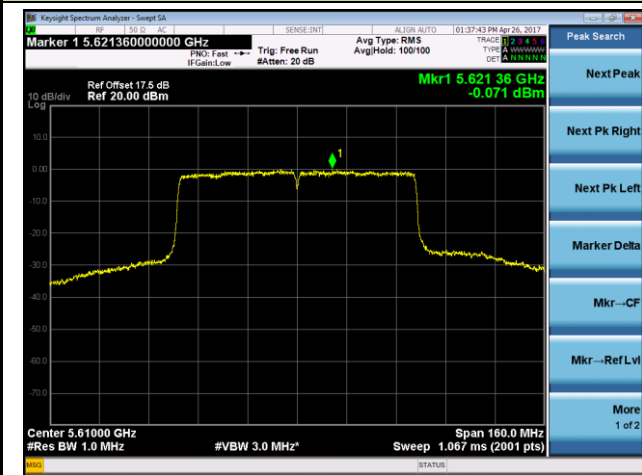
Channel 58 (5290MHz)



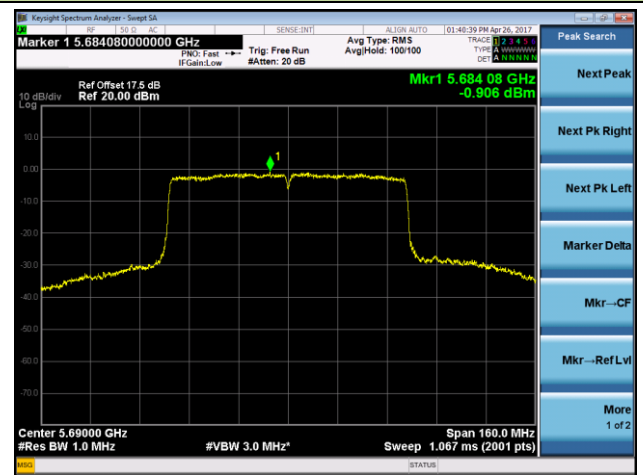
Channel 106 (5530MHz)



Channel 122 (5610MHz)

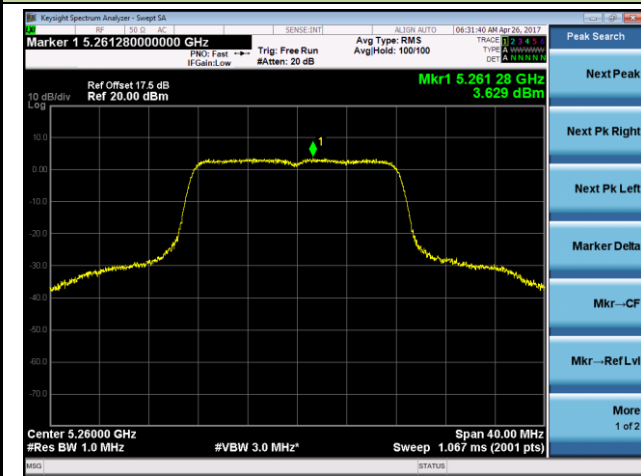


Channel 138 (5690MHz)

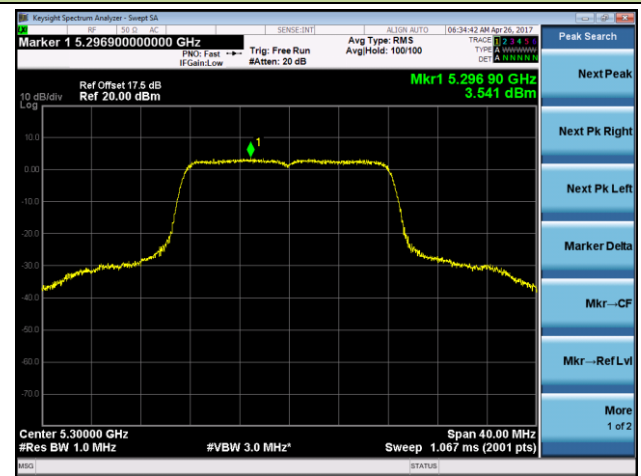


802.11a Power Spectral Density - Ant 0 / Ant 0 + 1

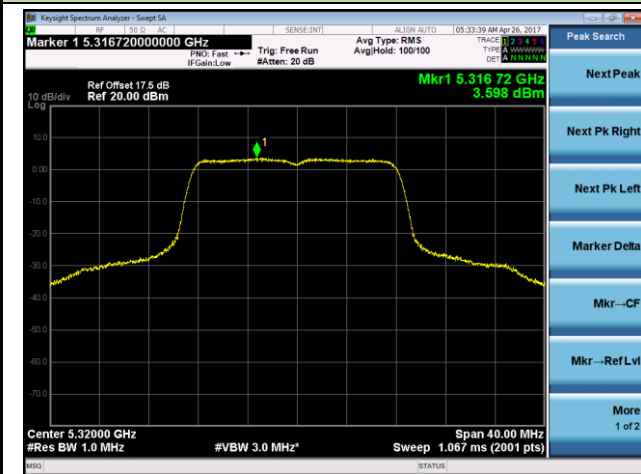
Channel 52 (5260MHz)



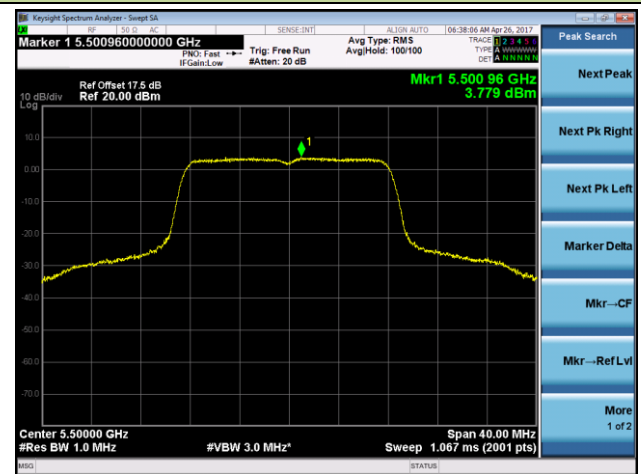
Channel 60 (5300MHz)



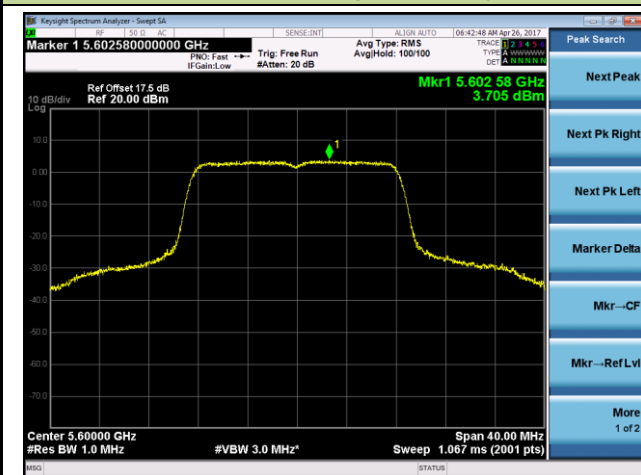
Channel 64 (5320MHz)



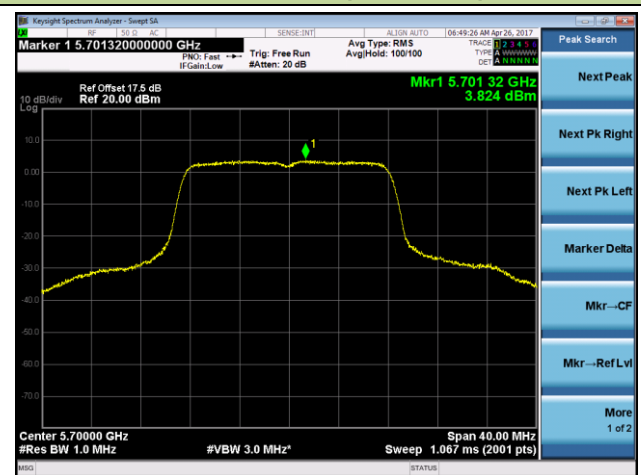
Channel 100 (5500MHz)



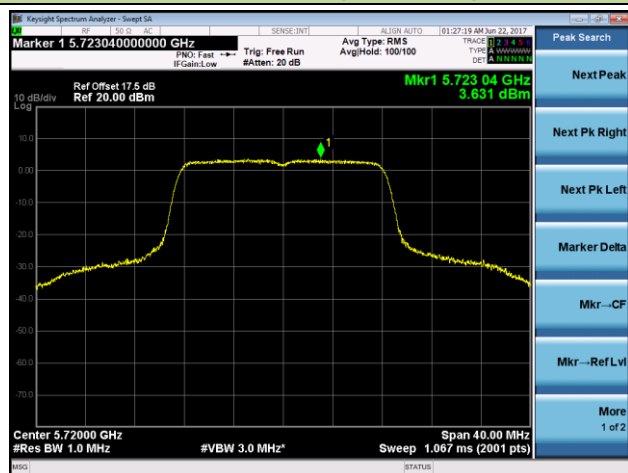
Channel 120 (5600MHz)



Channel 140 (5700MHz)

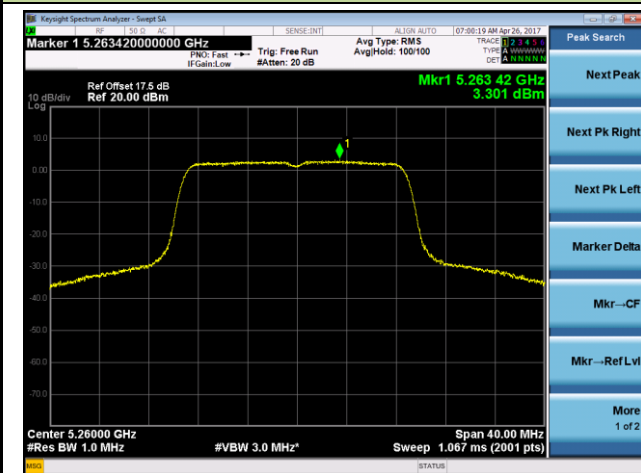


Channel 144 (5720MHz)

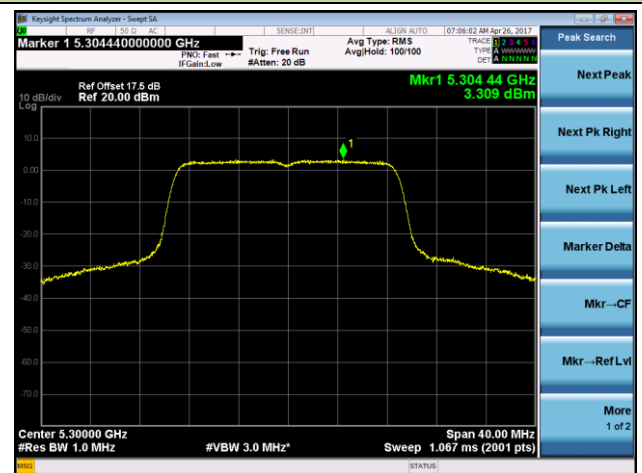


802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1

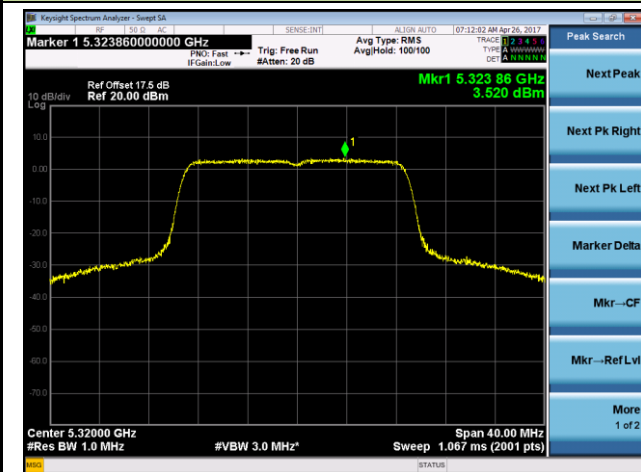
Channel 52 (5260MHz)



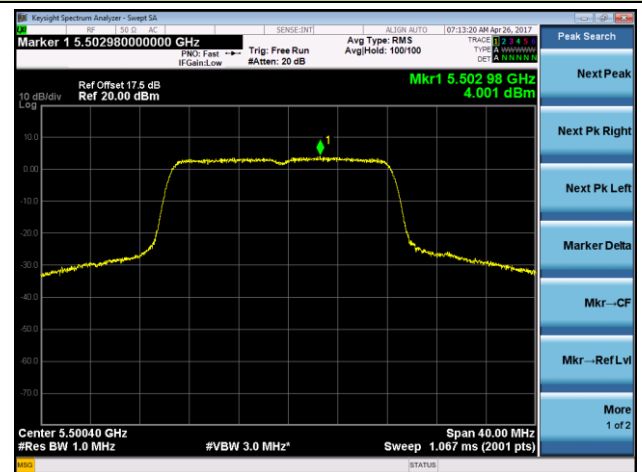
Channel 60 (5300MHz)



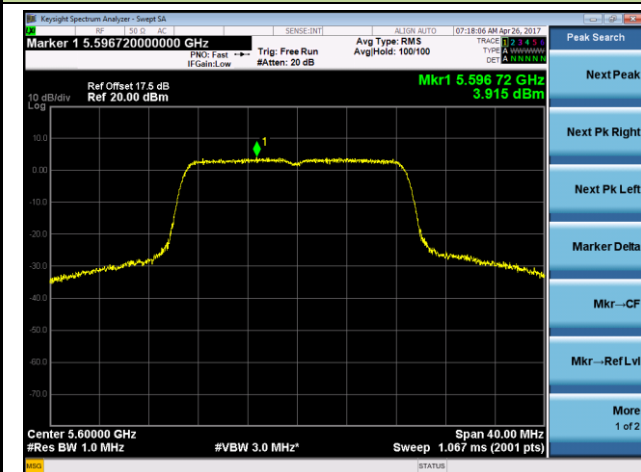
Channel 64 (5320MHz)



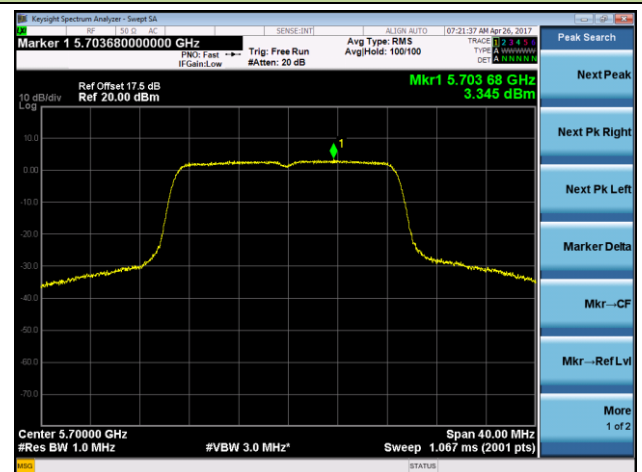
Channel 100 (5500MHz)



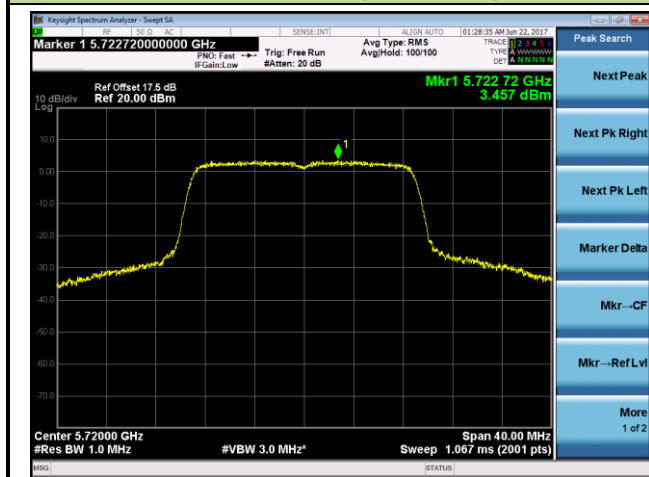
Channel 120 (5600MHz)



Channel 140 (5700MHz)

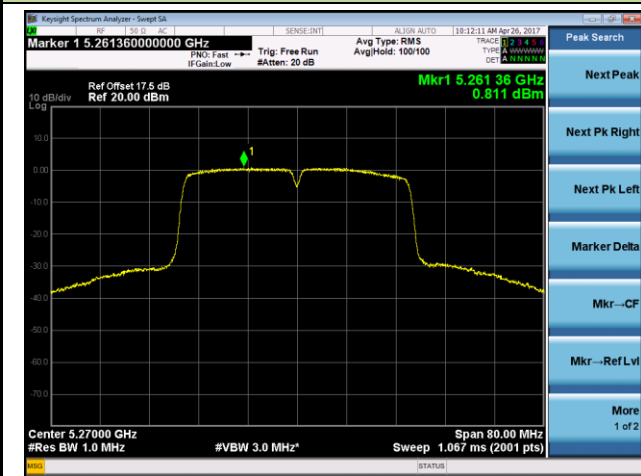


Channel 144 (5720MHz)

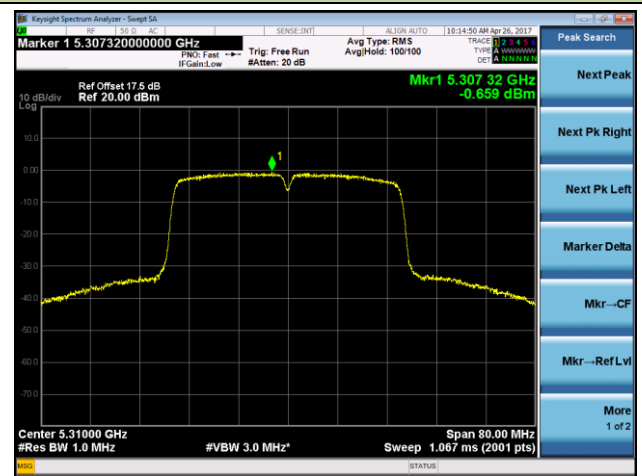


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1

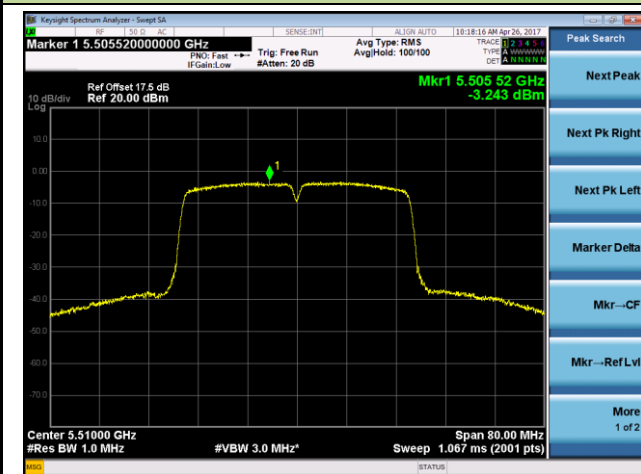
Channel 54 (5270MHz)



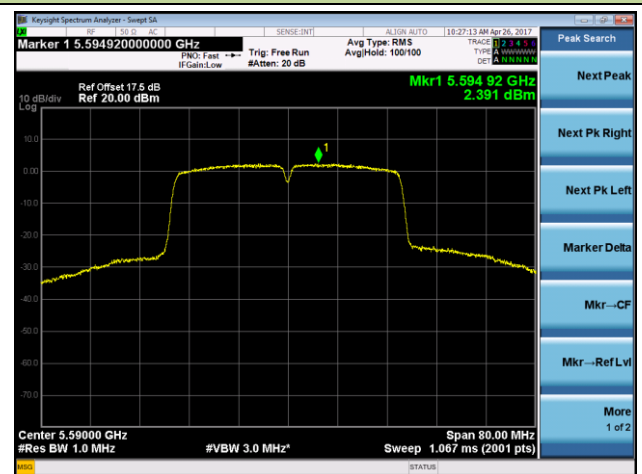
Channel 62 (5310MHz)



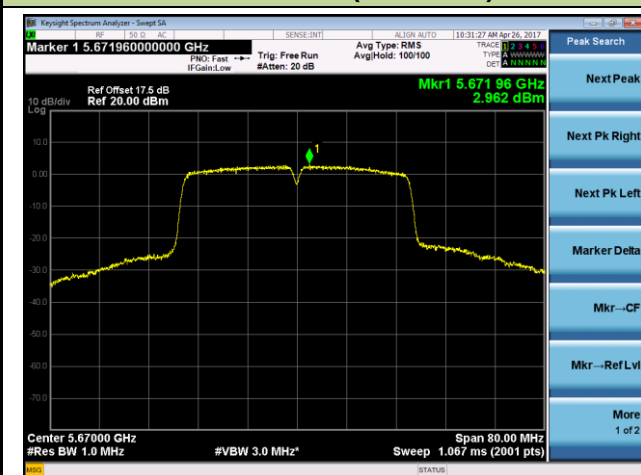
Channel 102 (5510MHz)



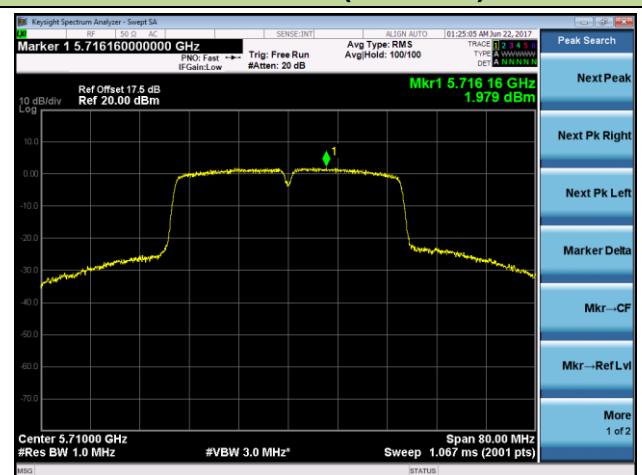
Channel 118 (5590MHz)



Channel 134 (5670MHz)

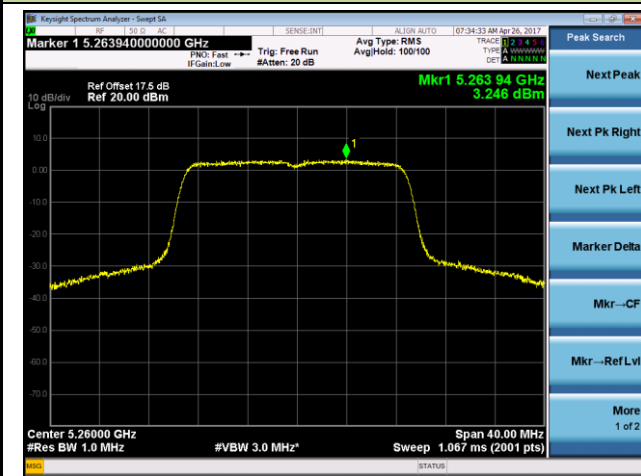


Channel 142 (5710MHz)

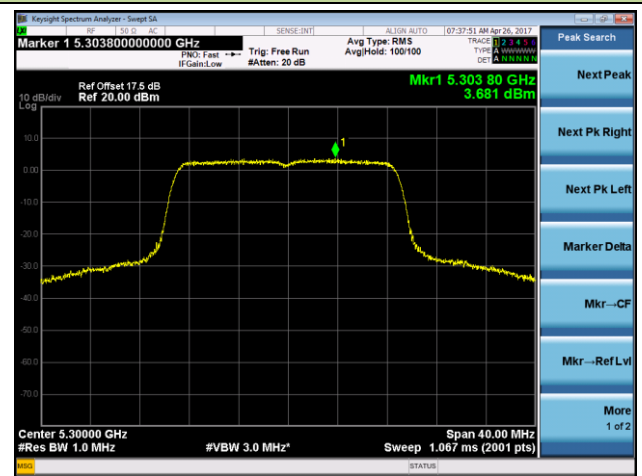


802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1

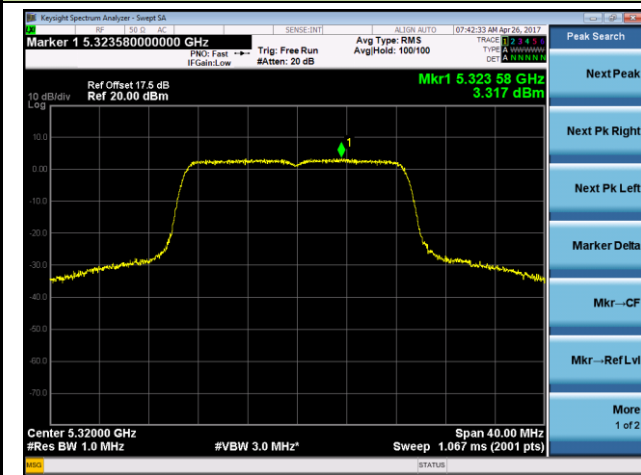
Channel 52 (5260MHz)



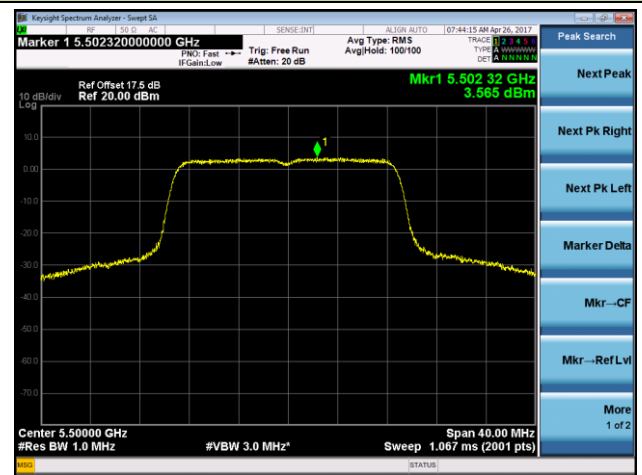
Channel 60 (5300MHz)



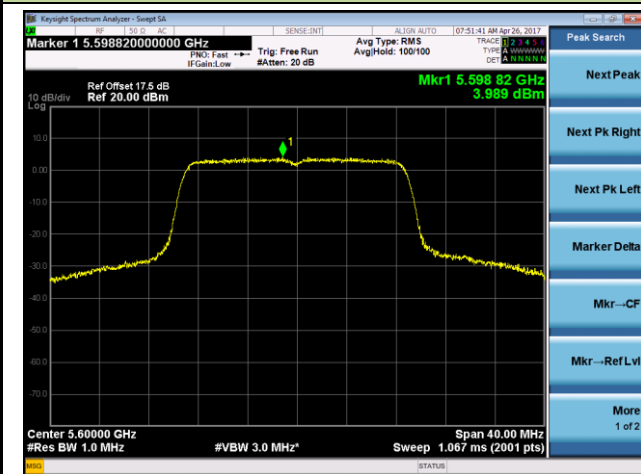
Channel 64 (5320MHz)



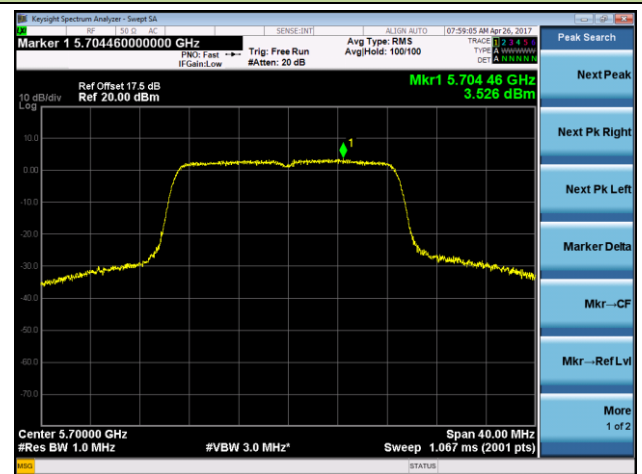
Channel 100 (5500MHz)



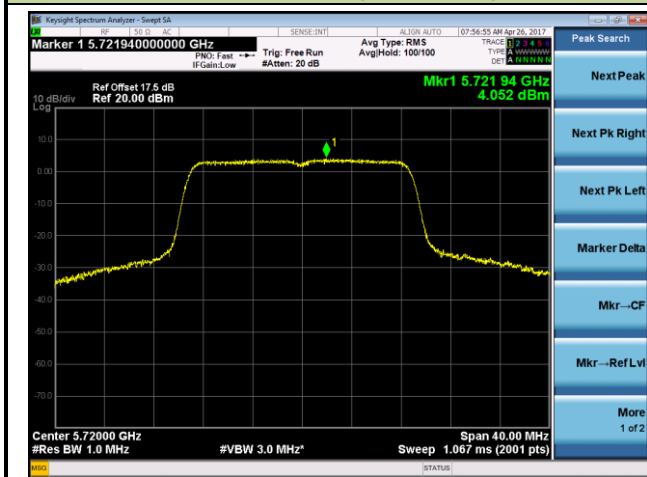
Channel 120 (5600MHz)



Channel 140 (5700MHz)

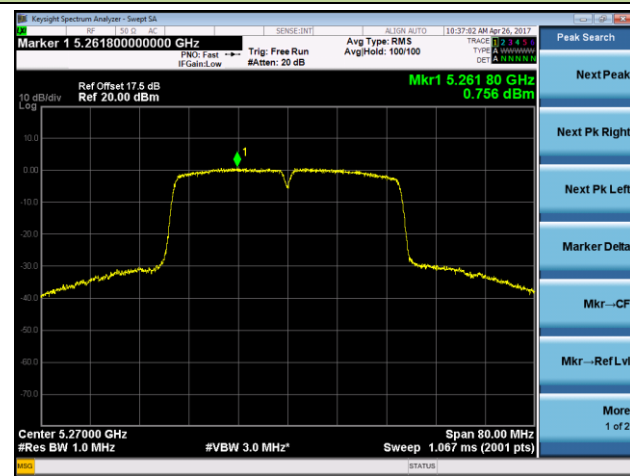


Channel 144 (5720MHz)

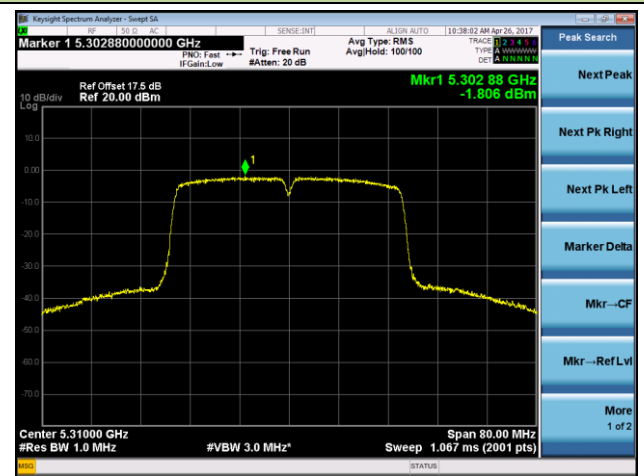


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1

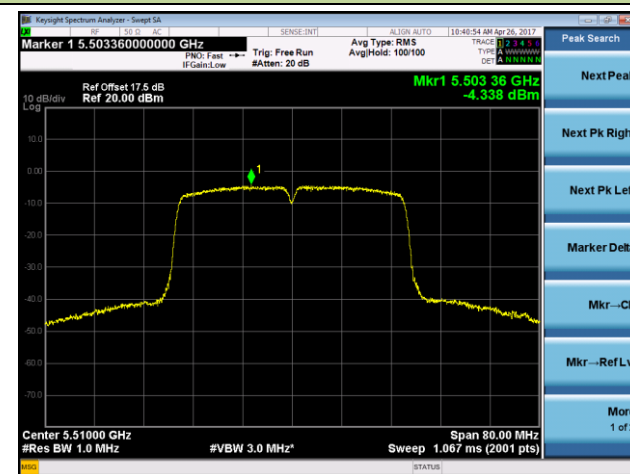
Channel 54 (5270MHz)



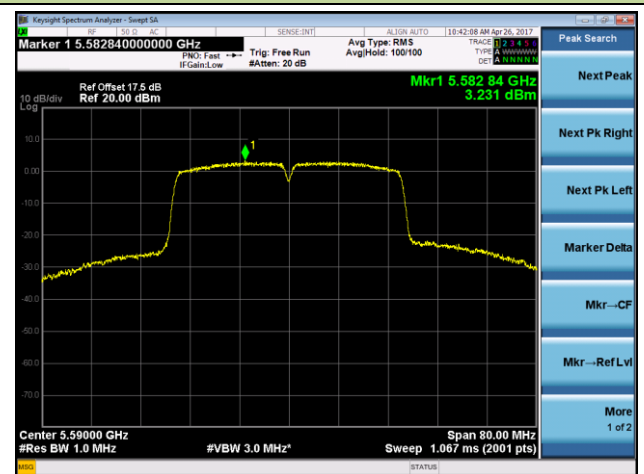
Channel 62 (5310MHz)



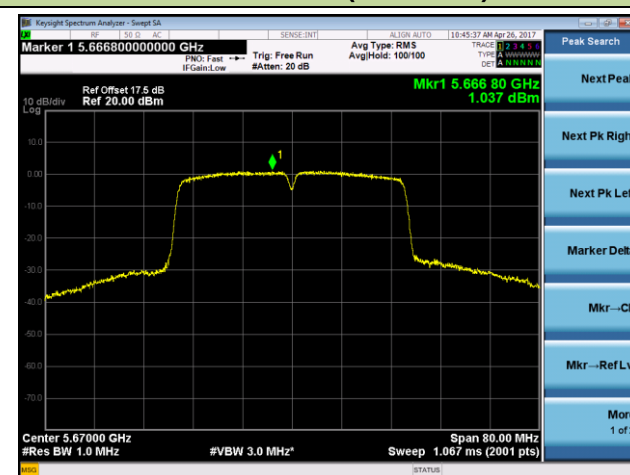
Channel 102 (5510MHz)



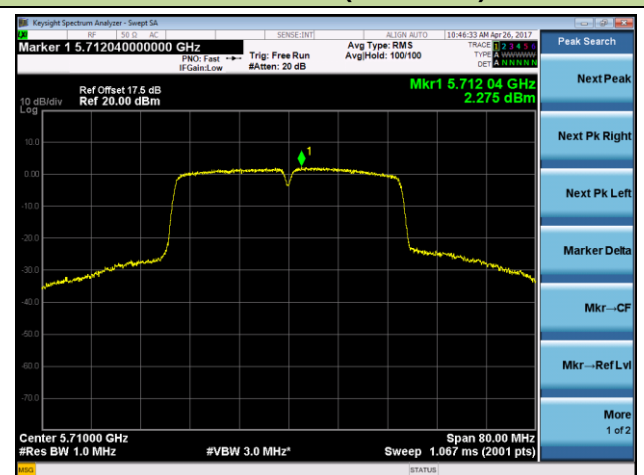
Channel 118 (5590MHz)



Channel 134 (5670MHz)

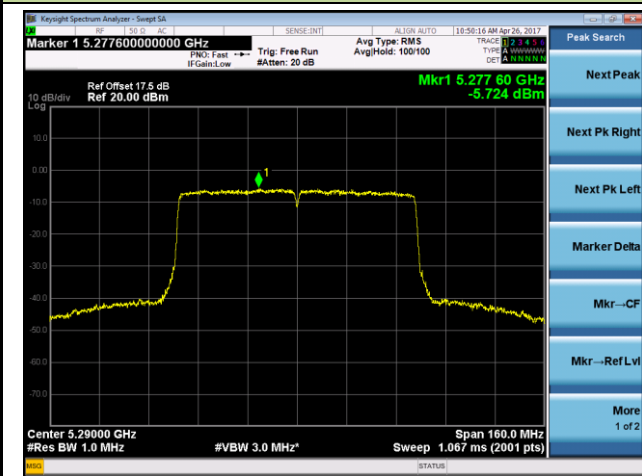


Channel 142 (5710MHz)

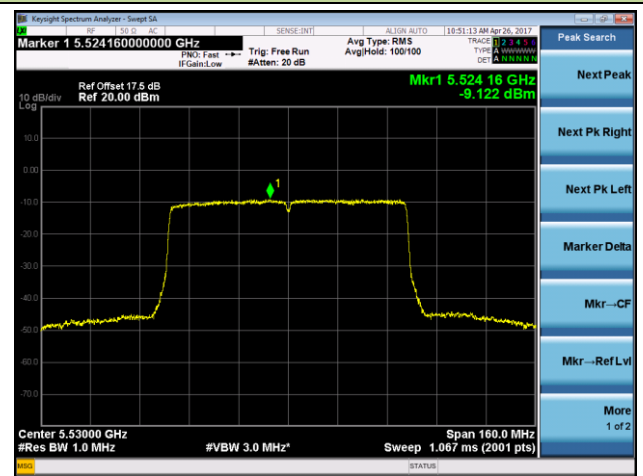


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1

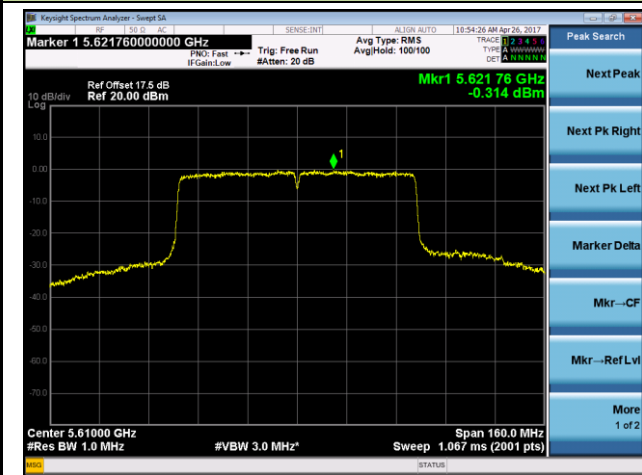
Channel 58 (5290MHz)



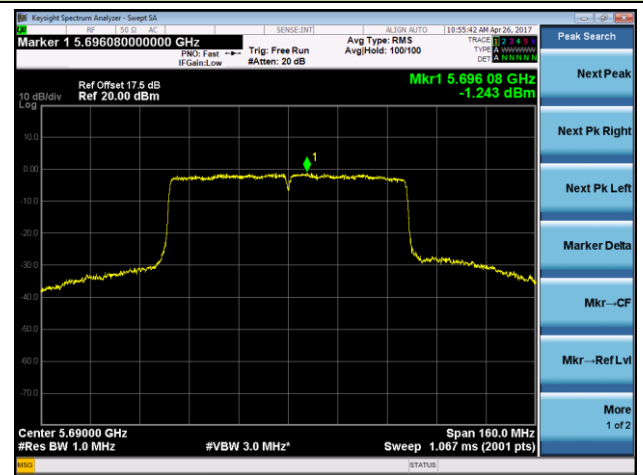
Channel 106 (5530MHz)



Channel 122 (5610MHz)

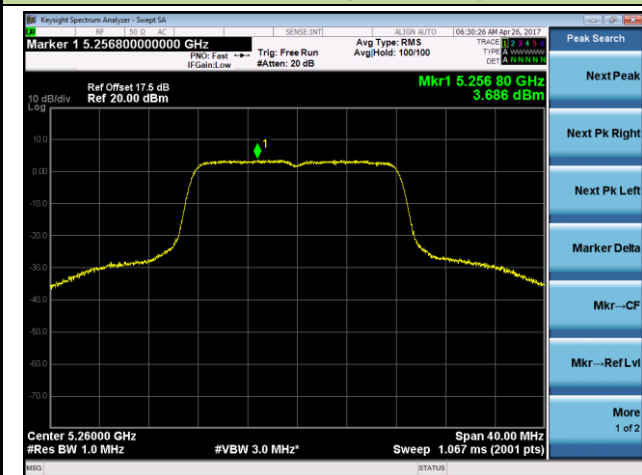


Channel 138 (5690MHz)

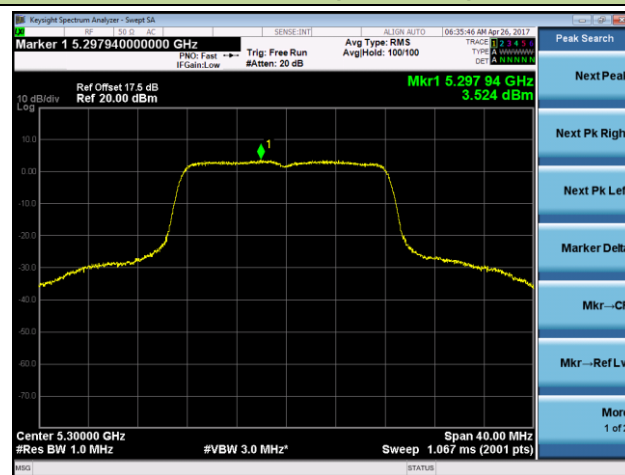


802.11a Power Spectral Density - Ant 1 / Ant 0 + 1

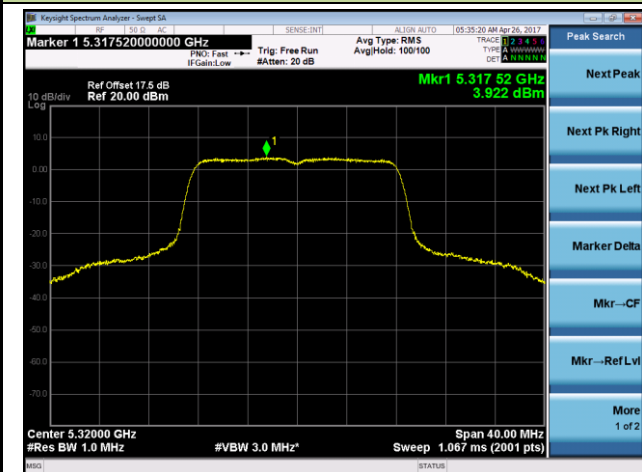
Channel 52 (5260MHz)



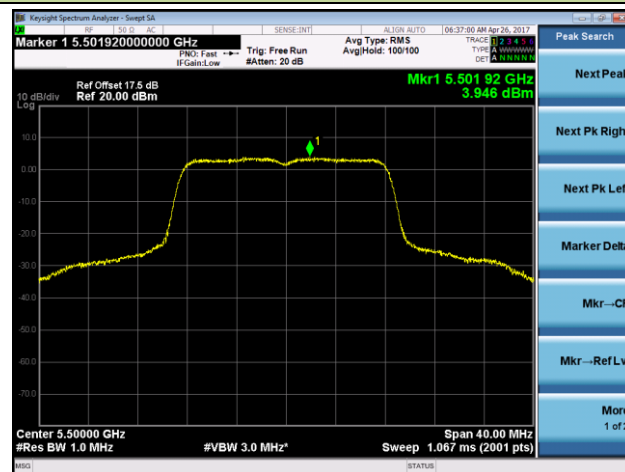
Channel 60 (5300MHz)



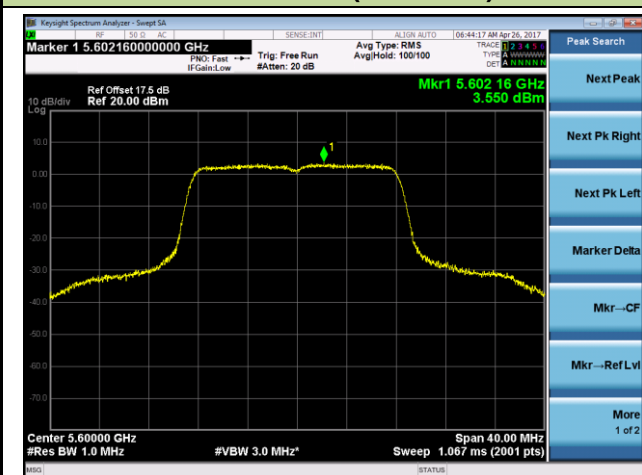
Channel 64 (5320MHz)



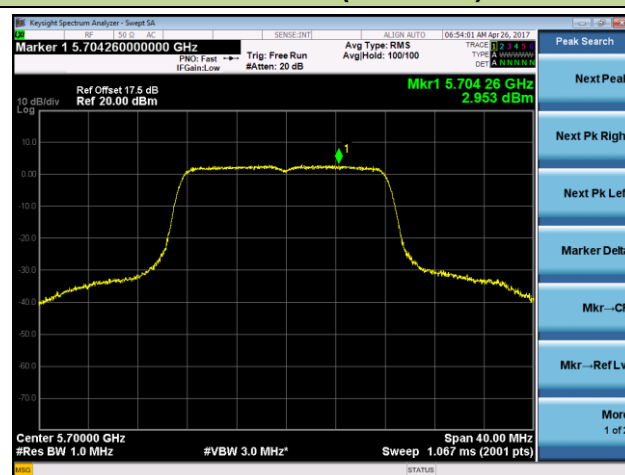
Channel 100 (5500MHz)



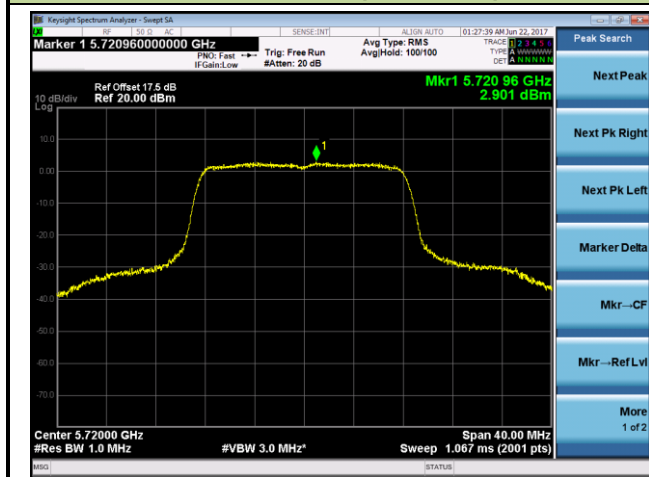
Channel 120 (5600MHz)



Channel 140 (5700MHz)

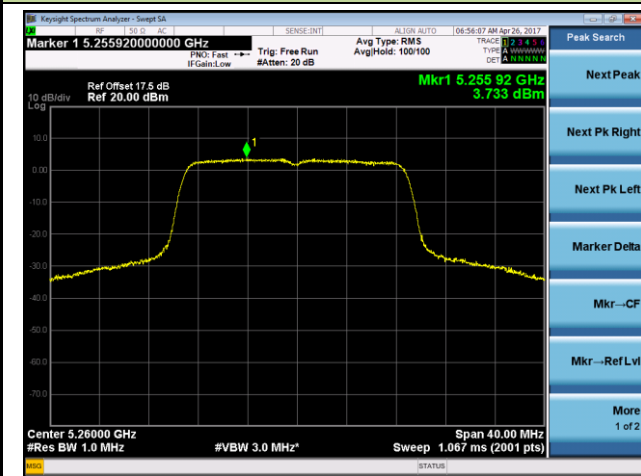


Channel 144 (5720MHz)

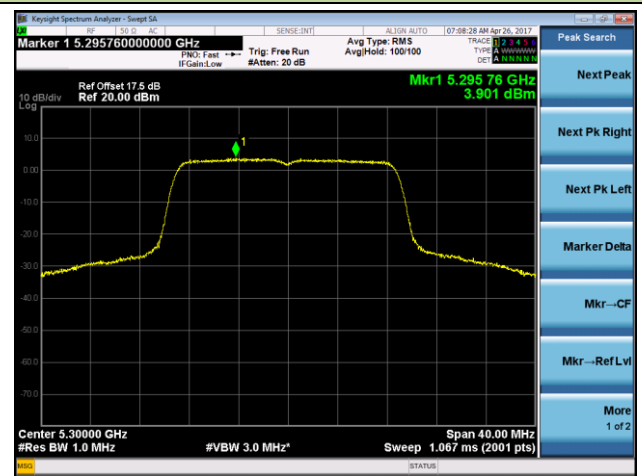


802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

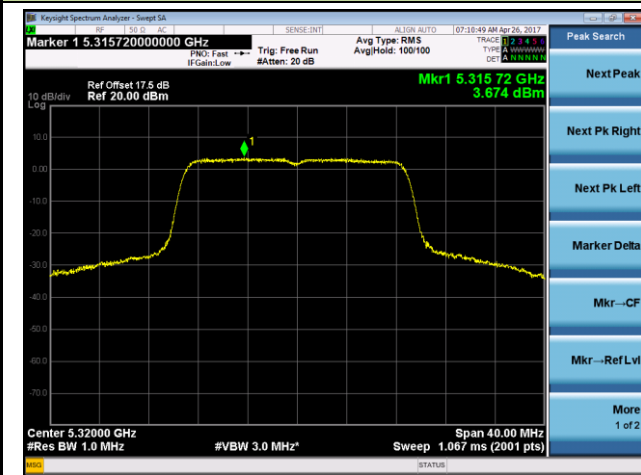
Channel 52 (5260MHz)



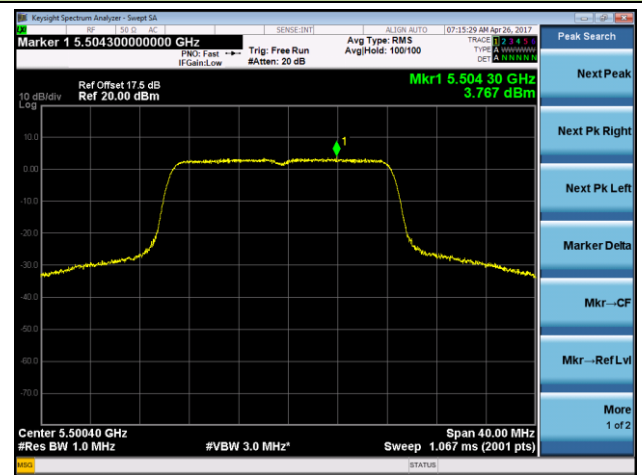
Channel 60 (5300MHz)



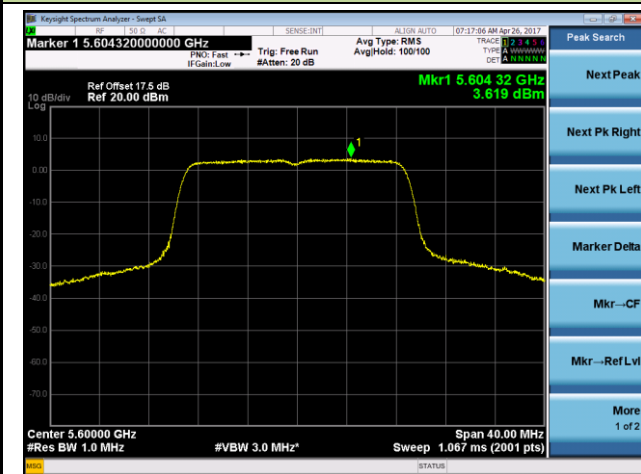
Channel 64 (5320MHz)



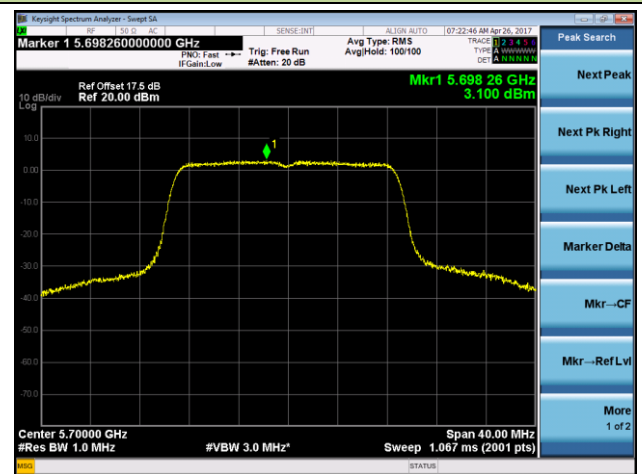
Channel 100 (5500MHz)

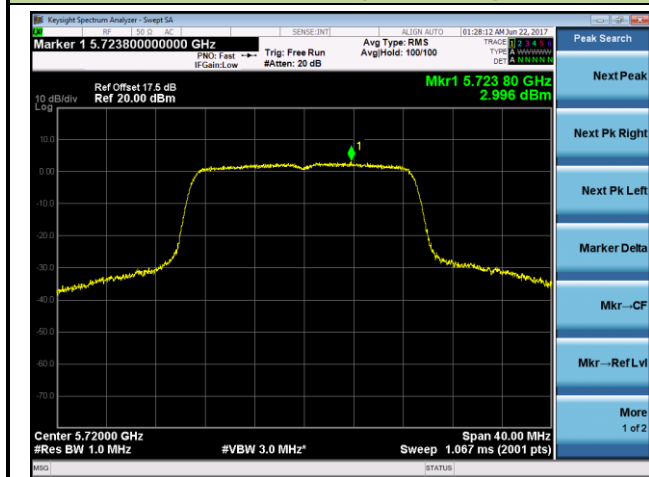


Channel 120 (5600MHz)



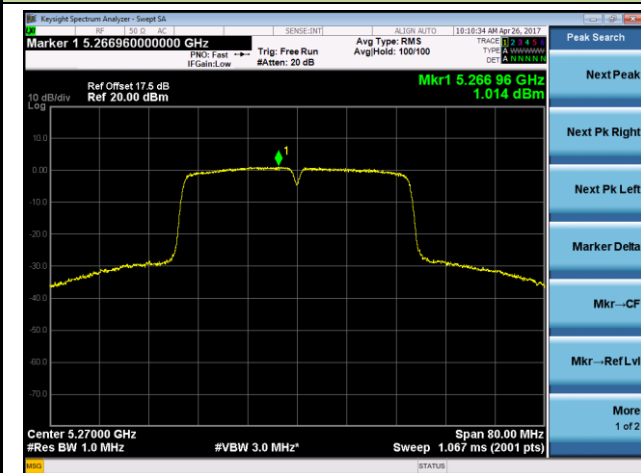
Channel 140 (5700MHz)



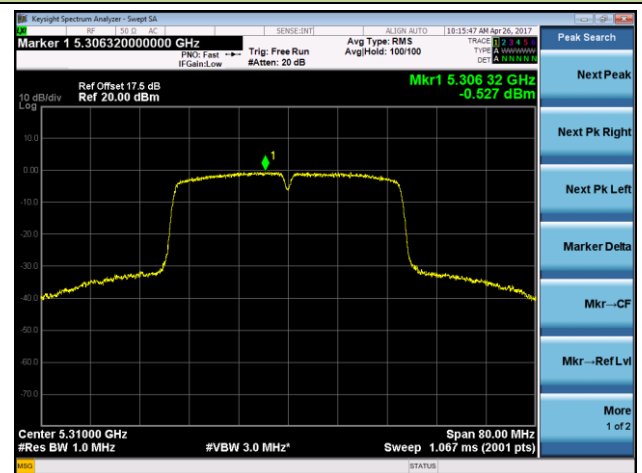
Channel 144 (5720MHz)

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

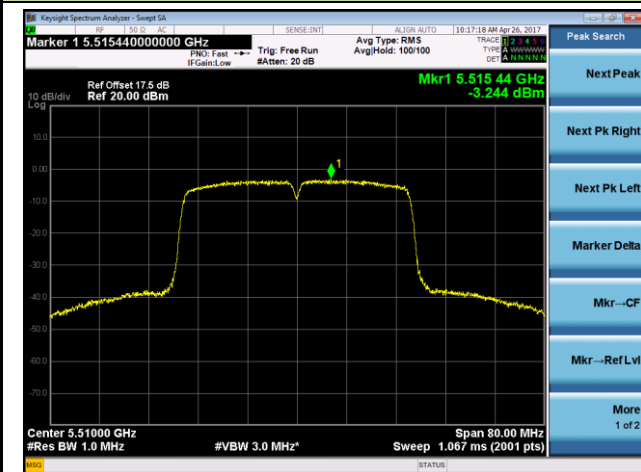
Channel 54 (5270MHz)



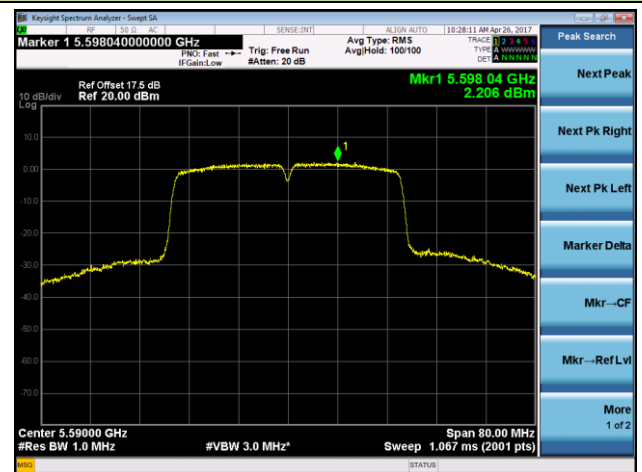
Channel 62 (5310MHz)



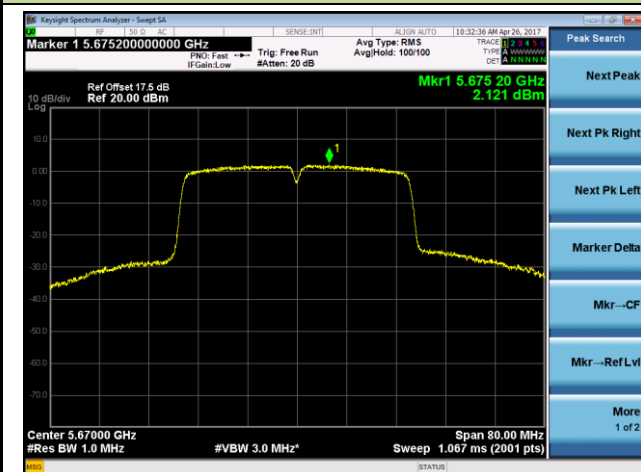
Channel 102 (5510MHz)



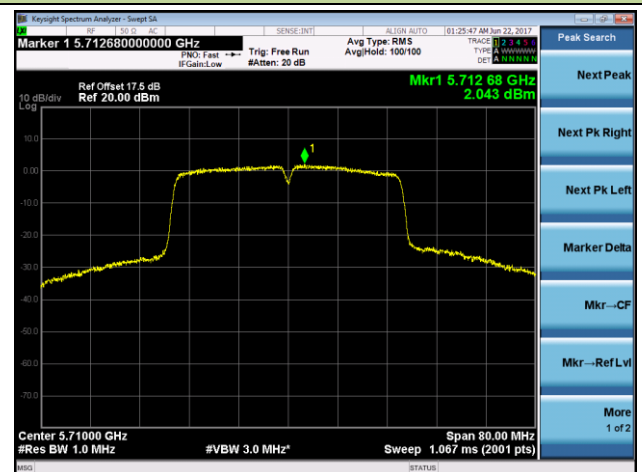
Channel 118 (5590MHz)



Channel 134 (5670MHz)

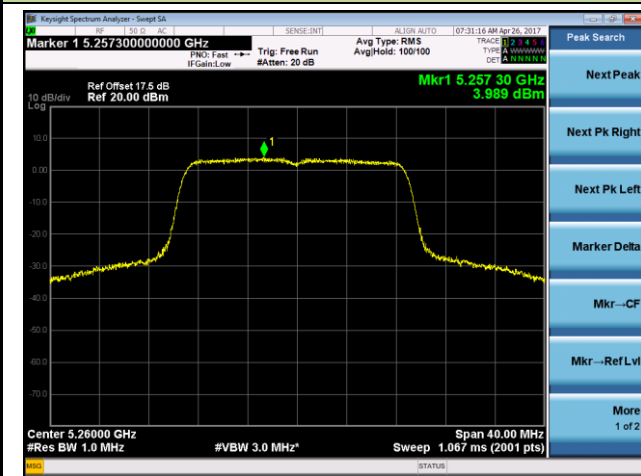


Channel 142 (5710MHz)

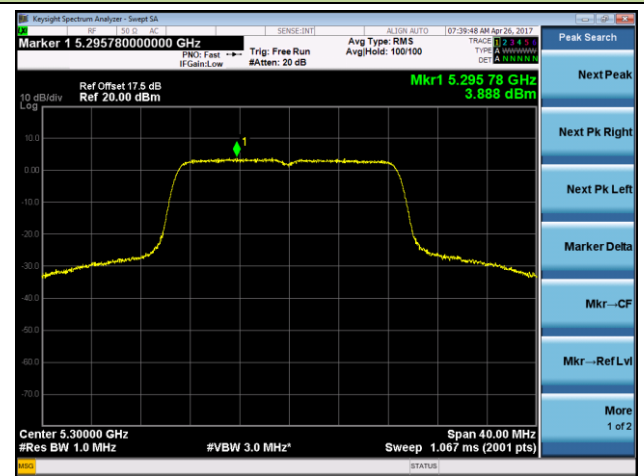


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

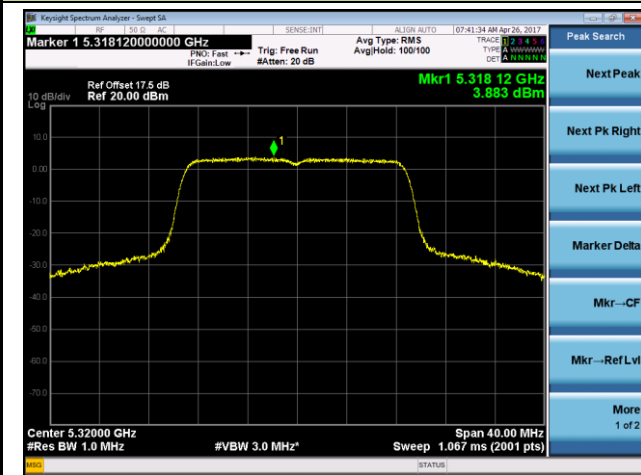
Channel 52 (5260MHz)



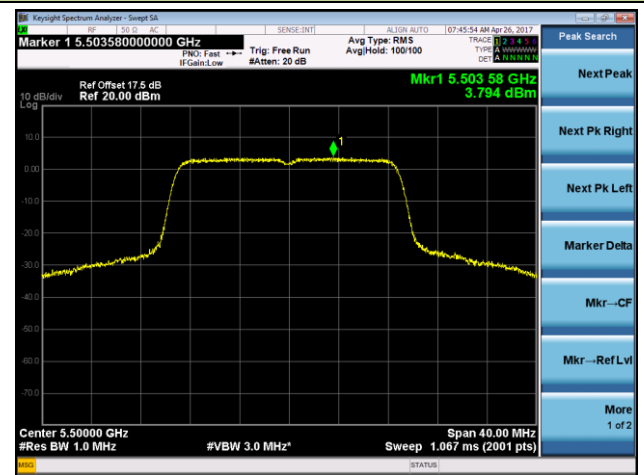
Channel 60 (5300MHz)



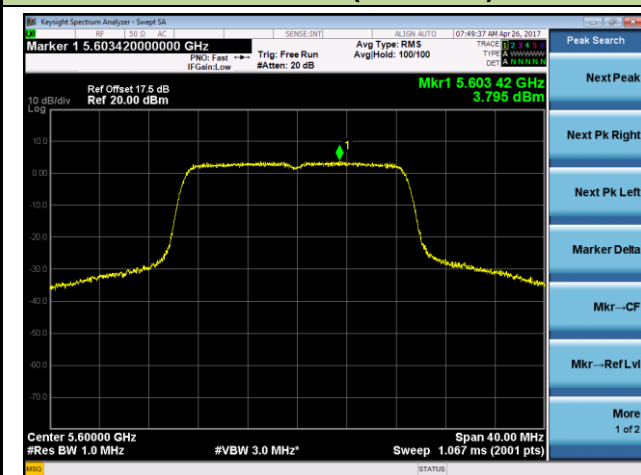
Channel 64 (5320MHz)



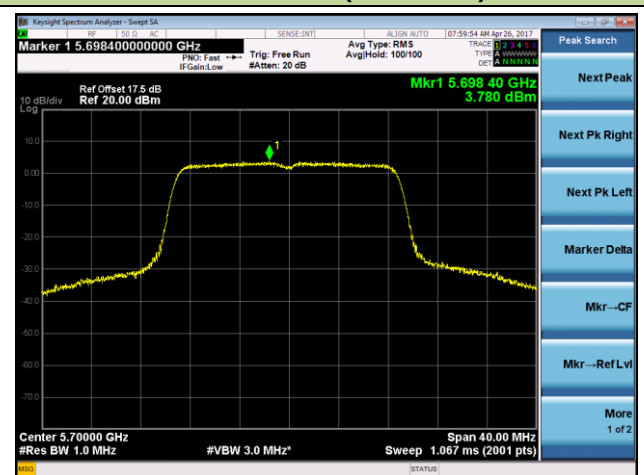
Channel 100 (5500MHz)



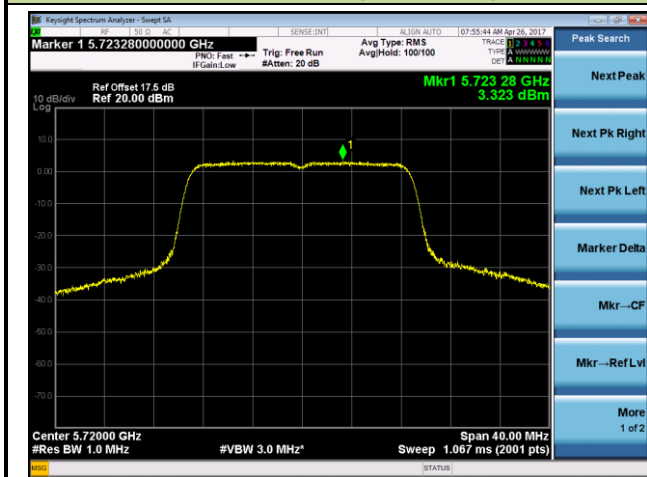
Channel 120 (5600MHz)



Channel 140 (5700MHz)

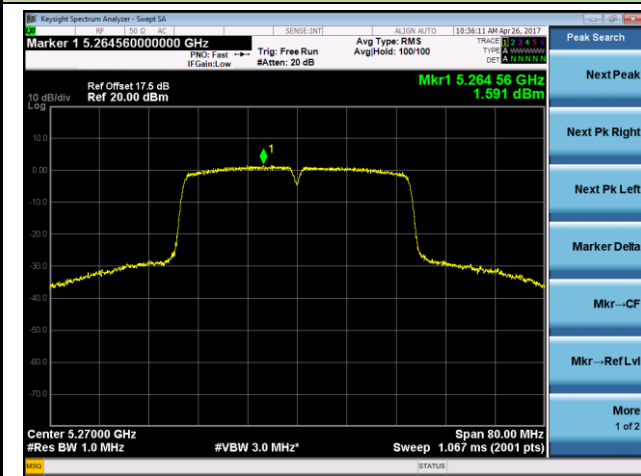


Channel 144 (5720MHz)

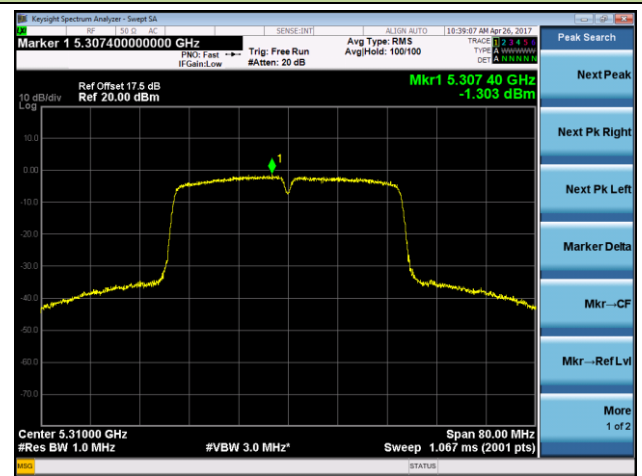


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

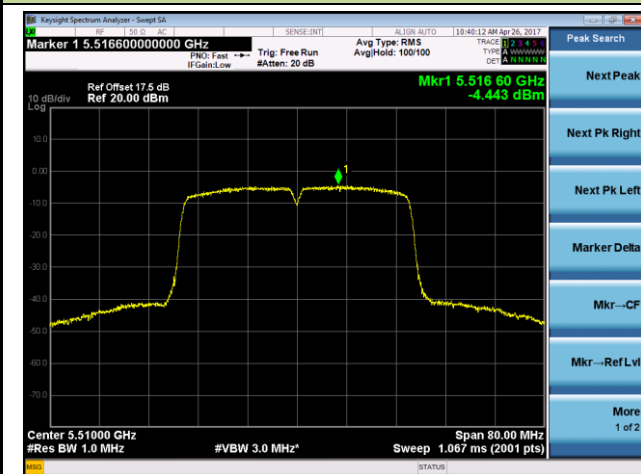
Channel 54 (5270MHz)



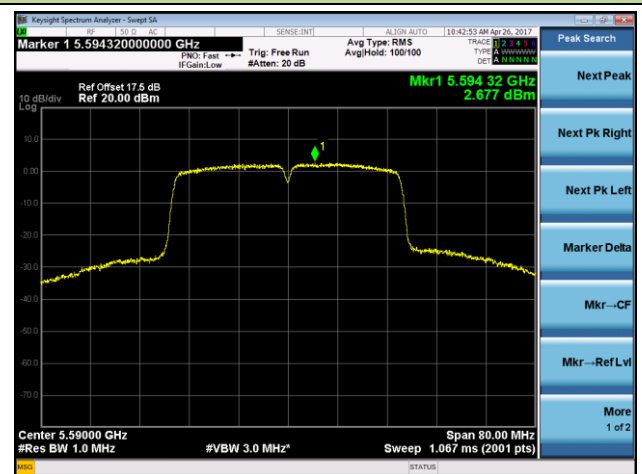
Channel 62 (5310MHz)



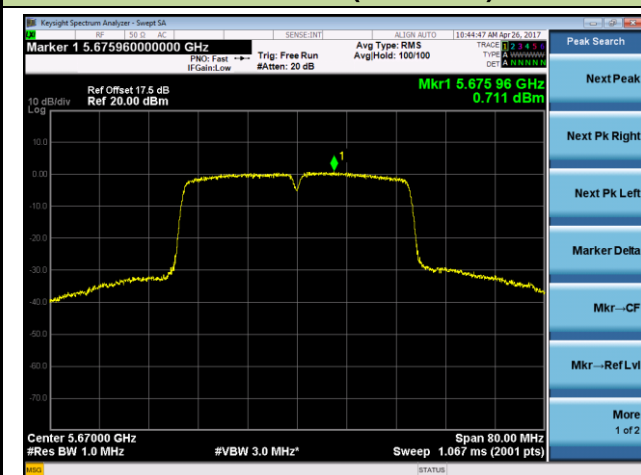
Channel 102 (5510MHz)



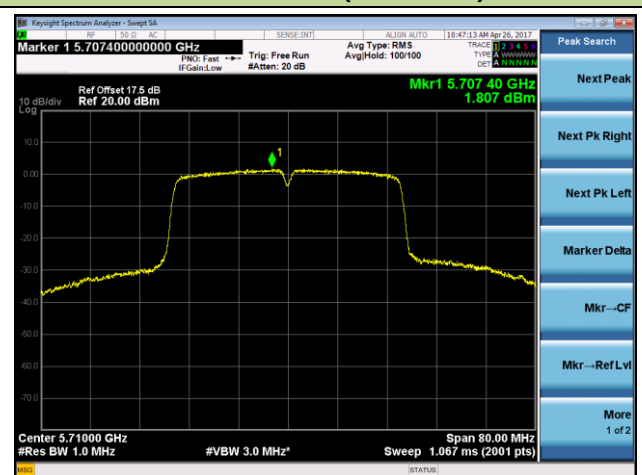
Channel 118 (5590MHz)



Channel 134 (5670MHz)

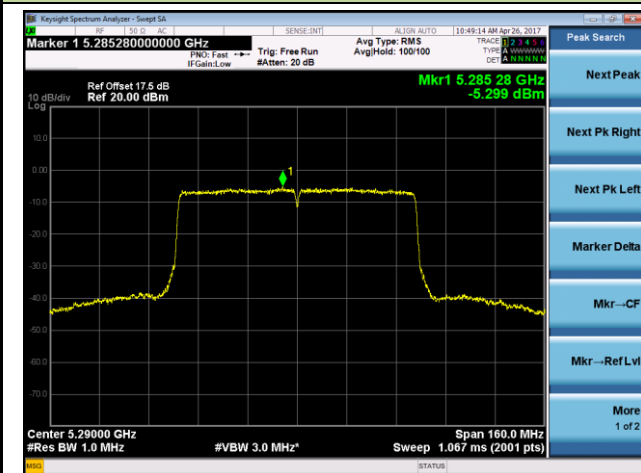


Channel 142 (5710MHz)

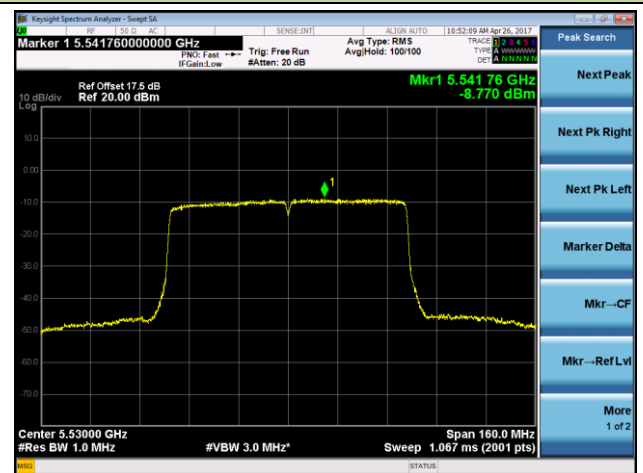


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1

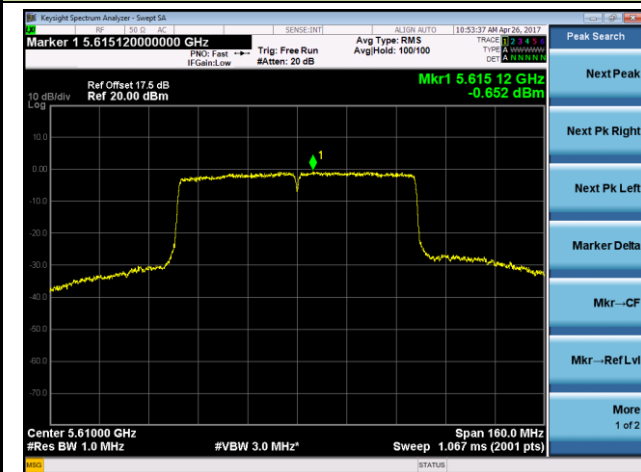
Channel 58 (5290MHz)



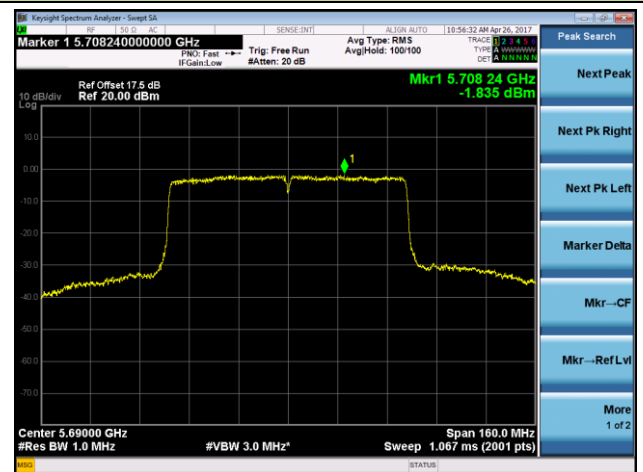
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



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:

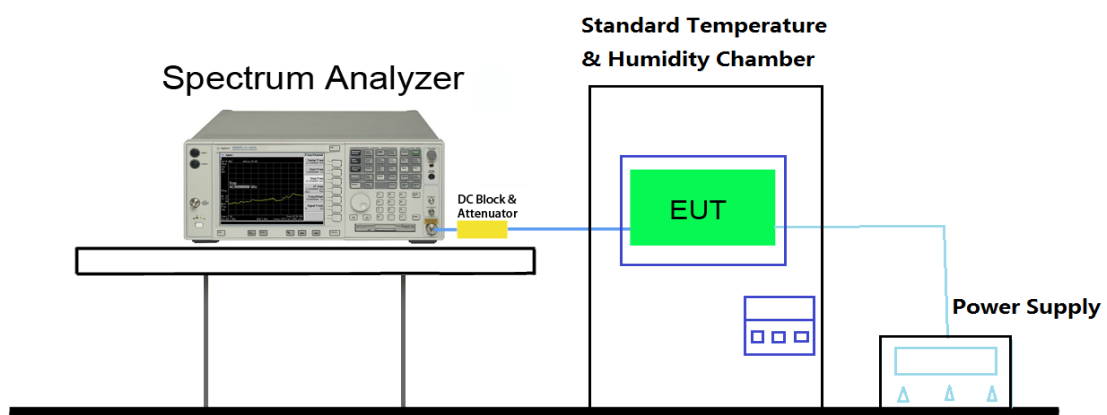
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.6.3. Test Setup



7.6.4. Test Result

Test Engineer	Milo Li	Temperature	-30 ~ 50°C
Test Time	2017/04/29	Relative Humidity	48 ~ 55%RH
Test Mode	5300MHz (Carrier Mode)	Test Site	TR3

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-2.64	-2.62	-2.41	-2.34
		- 20	-3.24	-3.16	-3.28	-3.42
		- 10	-3.15	-3.32	-3.68	-3.44
		0	-4.24	-3.71	-4.42	-4.17
		+ 10	-4.63	-4.33	-4.71	-4.95
		+ 20 (Ref)	-4.58	-5.12	-5.32	-5.21
		+ 30	-5.93	-5.99	-5.52	-5.73
		+ 40	-6.35	-6.47	-6.43	-6.62
		+ 50	-6.71	-7.65	-7.32	-6.92
115%	138	+ 20	-5.71	-5.43	-5.61	-5.13
85%	102	+ 20	-4.75	-4.62	-4.72	-4.57

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

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 [uV/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 D02v01r04 – 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

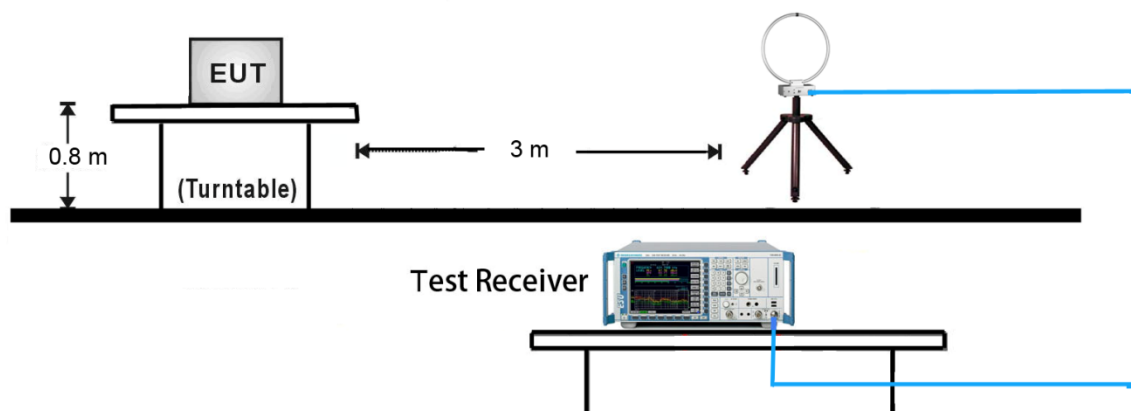
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

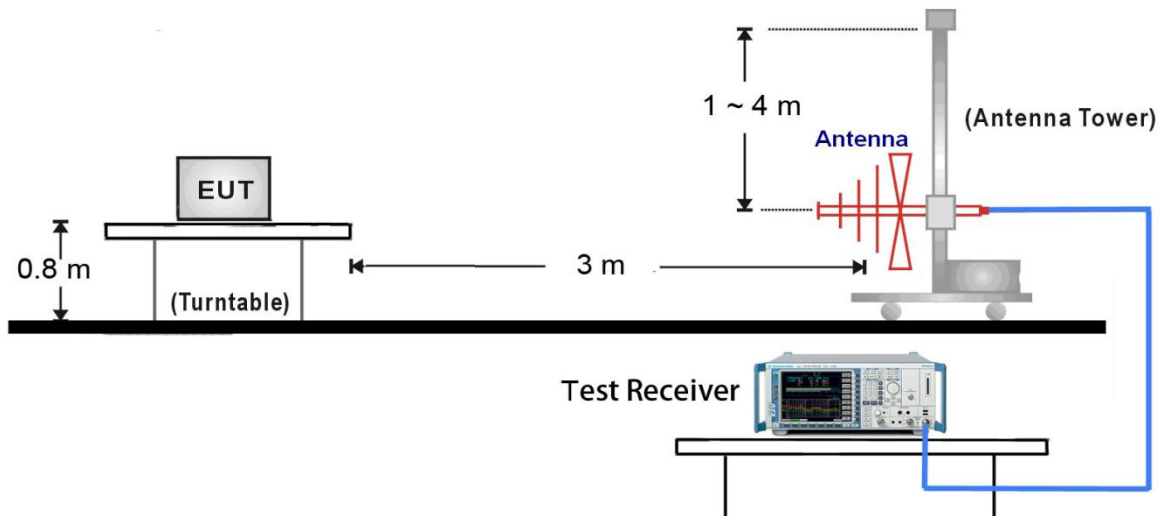
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.7.4. Test Setup

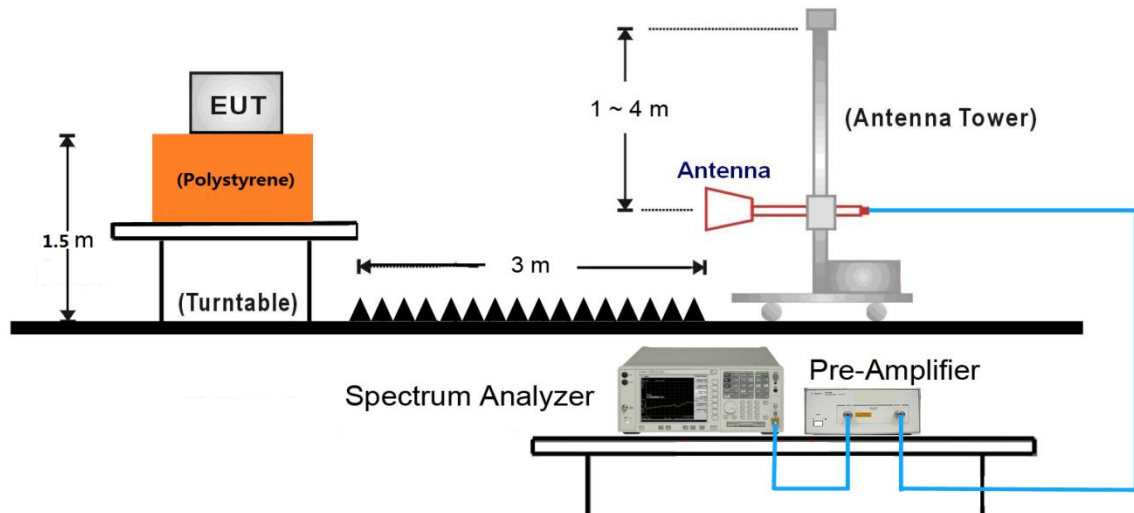
9kHz ~ 30MHz Test Setup:



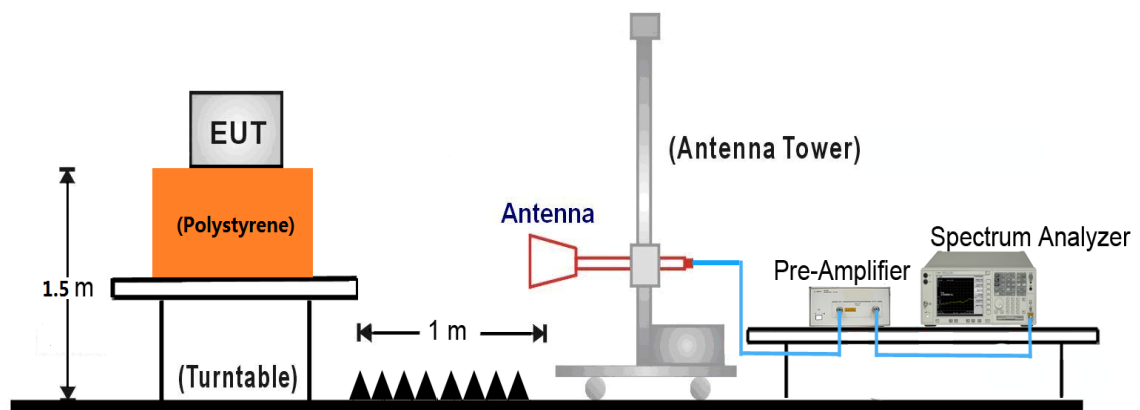
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.7.5. Test Result

Test Mode:	802.11a - Ant 0	Test Site:	AC1
Test Channel:	52	Test Engineer:	Jone Zhang
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
	8242.0	34.3	8.1	42.4	74.0	-31.6	Peak	Horizontal
*	8743.5	34.0	9.0	43.0	68.2	-25.2	Peak	Horizontal
*	10520.0	37.1	12.4	49.5	68.2	-18.7	Peak	Horizontal
	11489.0	33.7	12.8	46.5	74.0	-27.5	Peak	Horizontal
	8208.0	33.7	8.3	42.0	74.0	-32.0	Peak	Vertical
*	9721.0	32.5	11.1	43.6	68.2	-24.6	Peak	Vertical
*	10520.0	39.7	12.4	52.1	68.2	-16.1	Peak	Vertical
	11710.0	32.1	12.0	44.1	74.0	-29.9	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.

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:	60	Test Engineer:	Jone Zhang
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
	8199.5	34.0	8.3	42.3	74.0	-31.7	Peak	Horizontal
*	9636.0	32.8	11.0	43.8	68.2	-24.4	Peak	Horizontal
*	10596.5	38.3	12.4	50.7	68.2	-17.5	Peak	Horizontal
	11378.5	32.8	12.6	45.4	74.0	-28.6	Peak	Horizontal
	9092.0	33.8	9.2	43.0	74.0	-31.0	Peak	Vertical
*	9899.5	32.7	11.6	44.3	68.2	-23.9	Peak	Vertical
*	10596.5	41.7	12.4	54.1	68.2	-14.1	Peak	Vertical
	11684.5	33.3	12.1	45.4	74.0	-28.6	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.

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:	64	Test Engineer:	Jone Zhang
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
	8310.0	33.8	8.0	41.8	74.0	-32.2	Peak	Horizontal
*	9253.5	33.1	10.2	43.3	68.2	-24.9	Peak	Horizontal
*	9678.5	33.5	10.9	44.4	68.2	-23.8	Peak	Horizontal
	10639.0	38.4	12.3	50.7	74.0	-23.3	Peak	Horizontal
	8165.5	32.7	8.4	41.1	74.0	-32.9	Peak	Vertical
*	8769.0	32.8	8.9	41.7	68.2	-26.5	Peak	Vertical
*	9593.5	33.5	10.9	44.4	68.2	-23.8	Peak	Vertical
	10639.0	41.8	12.3	54.1	74.0	-19.9	Peak	Vertical
	10639.0	30.5	12.3	42.8	54.0	-11.2	Average	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.

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:	100	Test Engineer:	Jone Zhang
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
	8352.5	33.1	8.0	41.1	74.0	-32.9	Peak	Horizontal
*	9296.0	33.2	10.3	43.5	68.2	-24.7	Peak	Horizontal
*	9993.0	33.9	11.4	45.3	68.2	-22.9	Peak	Horizontal
	11106.5	37.2	12.8	50.0	74.0	-24.0	Peak	Horizontal
	8386.5	33.5	8.1	41.6	74.0	-32.4	Peak	Vertical
*	8811.5	32.5	9.0	41.5	68.2	-26.7	Peak	Vertical
*	9993.0	33.7	11.4	45.1	68.2	-23.1	Peak	Vertical
	11106.5	39.7	12.8	52.5	74.0	-21.5	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.

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:	120	Test Engineer:	Jone Zhang
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
	7366.5	34.0	7.9	41.9	74.0	-32.1	Peak	Horizontal
*	8582.0	33.5	8.6	42.1	68.2	-26.1	Peak	Horizontal
*	9636.0	32.6	11.0	43.6	68.2	-24.6	Peak	Horizontal
	11225.5	34.0	12.4	46.4	74.0	-27.6	Peak	Horizontal
	7604.5	34.1	8.1	42.2	74.0	-31.8	Peak	Vertical
*	8735.0	33.3	8.9	42.2	68.2	-26.0	Peak	Vertical
*	9721.0	32.5	11.1	43.6	68.2	-24.6	Peak	Vertical
	10877.0	33.6	12.9	46.5	74.0	-27.5	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.

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:	140	Test Engineer:	Jone Zhang
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
	7570.5	34.1	8.2	42.3	74.0	-31.7	Peak	Horizontal
*	8658.5	34.0	8.8	42.8	68.2	-25.4	Peak	Horizontal
*	9219.5	32.6	10.1	42.7	68.2	-25.5	Peak	Horizontal
	10877.0	33.5	12.9	46.4	74.0	-27.6	Peak	Horizontal
	8310.0	33.5	8.0	41.5	74.0	-32.5	Peak	Vertical
*	9253.5	33.0	10.2	43.2	68.2	-25.0	Peak	Vertical
*	10120.5	32.8	11.6	44.4	68.2	-23.8	Peak	Vertical
	11387.0	38.5	12.6	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.

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:	144	Test Engineer:	Jone Zhang
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
*	7978.5	35.1	8.7	43.8	68.2	-24.4	Peak	Horizontal
*	8956.0	34.5	9.0	43.5	68.2	-24.7	Peak	Horizontal
	9457.5	35.1	10.5	45.6	74.0	-28.4	Peak	Horizontal
	11440.0	38.4	12.7	51.1	74.0	-22.9	Peak	Horizontal
*	9253.5	33.9	10.2	44.1	68.2	-24.1	Peak	Vertical
*	10069.5	35.1	11.5	46.6	68.2	-21.6	Peak	Vertical
	10707.0	35.7	12.4	48.1	74.0	-25.9	Peak	Vertical
	11440.0	39.4	12.7	52.1	74.0	-21.9	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.

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:	52	Test Engineer:	Jone Zhang
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
	8310.0	33.5	8.0	41.5	74.0	-32.5	Peak	Horizontal
*	9551.0	32.9	10.8	43.7	68.2	-24.5	Peak	Horizontal
*	10511.5	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
	11735.5	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
	8276.0	33.9	8.1	42.0	74.0	-32.0	Peak	Vertical
*	9636.0	32.7	11.0	43.7	68.2	-24.5	Peak	Vertical
*	10520.0	41.2	12.4	53.6	68.2	-14.6	Peak	Vertical
	11582.5	32.5	12.6	45.1	74.0	-28.9	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.

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:	60	Test Engineer:	Jone Zhang
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
	7264.5	34.7	7.9	42.6	74.0	-31.4	Peak	Horizontal
*	9219.5	32.6	10.1	42.7	68.2	-25.5	Peak	Horizontal
*	9993.0	33.0	11.4	44.4	68.2	-23.8	Peak	Horizontal
	10605.0	38.7	12.4	51.1	74.0	-22.9	Peak	Horizontal
	7366.5	33.4	7.9	41.3	74.0	-32.7	Peak	Vertical
*	9857.0	33.1	11.6	44.7	68.2	-23.5	Peak	Vertical
*	10596.5	42.8	12.4	55.2	68.2	-13.0	Peak	Vertical
	11846.0	32.9	11.9	44.8	74.0	-29.2	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.

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:	64	Test Engineer:	Jone Zhang
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
	7851.0	35.6	8.4	44.0	74.0	-30.0	Peak	Horizontal
*	8803.0	34.4	8.9	43.3	68.2	-24.9	Peak	Horizontal
*	9755.0	34.5	11.4	45.9	68.2	-22.3	Peak	Horizontal
	10639.0	38.4	12.3	50.7	74.0	-23.3	Peak	Horizontal
	7477.0	35.5	8.2	43.7	74.0	-30.3	Peak	Vertical
*	8624.5	35.8	8.8	44.6	68.2	-23.6	Peak	Vertical
*	9882.5	33.6	11.6	45.2	68.2	-23.0	Peak	Vertical
	10639.0	42.1	12.3	54.4	74.0	-19.6	Peak	Vertical
	10639.5	31.2	12.3	43.5	54.0	-10.5	Average	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.

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:	100	Test Engineer:	Jone Zhang
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
	7400.5	33.6	7.9	41.5	74.0	-32.5	Peak	Horizontal
*	8692.5	34.3	9.0	43.3	68.2	-24.9	Peak	Horizontal
*	9653.0	36.9	11.0	47.9	68.2	-20.3	Peak	Horizontal
	12381.5	33.9	11.5	45.4	74.0	-28.6	Peak	Horizontal
	7468.5	33.6	8.1	41.7	74.0	-32.3	Peak	Vertical
*	8616.0	34.6	8.8	43.4	68.2	-24.8	Peak	Vertical
*	9636.0	33.3	11.0	44.3	68.2	-23.9	Peak	Vertical
	11004.5	38.1	13.0	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.

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:	120	Test Engineer:	Jone Zhang
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
	7604.5	33.6	8.1	41.7	74.0	-32.3	Peak	Horizontal
*	9508.5	33.3	10.6	43.9	68.2	-24.3	Peak	Horizontal
*	10443.5	32.2	12.0	44.2	68.2	-24.0	Peak	Horizontal
	11200.0	41.4	12.5	53.9	74.0	-20.1	Peak	Horizontal
	7298.5	34.9	8.0	42.9	74.0	-31.1	Peak	Vertical
*	8616.0	33.8	8.8	42.6	68.2	-25.6	Peak	Vertical
*	9899.5	33.1	11.6	44.7	68.2	-23.5	Peak	Vertical
	11208.5	41.3	12.4	53.7	74.0	-20.3	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.

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:	140	Test Engineer:	Jone Zhang
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
	8310.0	33.6	8.0	41.6	74.0	-32.4	Peak	Horizontal
*	9508.5	33.4	10.6	44.0	68.2	-24.2	Peak	Horizontal
*	10171.5	32.9	11.7	44.6	68.2	-23.6	Peak	Horizontal
	11395.5	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
	7298.5	34.4	8.0	42.4	74.0	-31.6	Peak	Vertical
*	8735.0	32.9	8.9	41.8	68.2	-26.4	Peak	Vertical
*	9899.5	33.2	11.6	44.8	68.2	-23.4	Peak	Vertical
	11395.5	38.4	12.6	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.

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:	144	Test Engineer:	Jone Zhang
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
*	9296.0	34.2	10.3	44.5	68.2	-23.7	Peak	Horizontal
*	9916.5	34.7	11.5	46.2	68.2	-22.0	Peak	Horizontal
	10792.0	34.2	12.6	46.8	74.0	-27.2	Peak	Horizontal
	11440.0	38.6	12.7	51.3	74.0	-22.7	Peak	Horizontal
*	8684.0	35.3	9.0	44.3	68.2	-23.9	Peak	Vertical
*	10265.0	33.1	12.0	45.1	68.2	-23.1	Peak	Vertical
	10681.5	34.3	12.4	46.7	74.0	-27.3	Peak	Vertical
	11440.0	39.6	12.7	52.3	74.0	-21.7	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.

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:	54	Test Engineer:	Jone Zhang
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
	8386.5	32.6	8.1	40.7	74.0	-33.3	Peak	Horizontal
*	9857.0	31.6	11.6	43.2	68.2	-25.0	Peak	Horizontal
*	10537.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
	11633.5	32.6	12.4	45.0	74.0	-29.0	Peak	Horizontal
	8242.0	33.4	8.1	41.5	74.0	-32.5	Peak	Vertical
*	9593.5	32.6	10.9	43.5	68.2	-24.7	Peak	Vertical
*	10537.0	38.6	12.5	51.1	68.2	-17.1	Peak	Vertical
	11480.5	33.0	12.7	45.7	74.0	-28.3	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.

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:	62	Test Engineer:	Jone Zhang
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
	7468.5	34.2	8.1	42.3	74.0	-31.7	Peak	Horizontal
*	8854.0	33.1	9.1	42.2	68.2	-26.0	Peak	Horizontal
*	9636.0	33.6	11.0	44.6	68.2	-23.6	Peak	Horizontal
	10766.5	37.0	12.5	49.5	74.0	-24.5	Peak	Horizontal
	8055.0	33.1	8.8	41.9	74.0	-32.1	Peak	Vertical
*	8854.0	33.2	9.1	42.3	68.2	-25.9	Peak	Vertical
*	9551.0	32.4	10.8	43.2	68.2	-25.0	Peak	Vertical
	10630.5	40.2	12.4	52.6	74.0	-21.4	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.

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:	102	Test Engineer:	Jone Zhang
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
	7366.5	33.3	7.9	41.2	74.0	-32.8	Peak	Horizontal
*	8616.0	33.2	8.8	42.0	68.2	-26.2	Peak	Horizontal
*	9814.5	33.7	11.6	45.3	68.2	-22.9	Peak	Horizontal
	11378.5	32.4	12.6	45.0	74.0	-29.0	Peak	Horizontal
	8386.5	34.0	8.1	42.1	74.0	-31.9	Peak	Vertical
*	9551.0	32.2	10.8	43.0	68.2	-25.2	Peak	Vertical
*	10307.5	32.4	12.0	44.4	68.2	-23.8	Peak	Vertical
	11735.5	32.9	11.9	44.8	74.0	-29.2	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.

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:	118	Test Engineer:	Jone Zhang
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
	7400.5	32.9	7.9	40.8	74.0	-33.2	Peak	Horizontal
*	9636.0	32.8	11.0	43.8	68.2	-24.4	Peak	Horizontal
*	10494.5	33.1	12.4	45.5	68.2	-22.7	Peak	Horizontal
	11166.0	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
	7536.5	34.1	8.3	42.4	74.0	-31.6	Peak	Vertical
*	8811.5	33.4	9.0	42.4	68.2	-25.8	Peak	Vertical
*	10265.0	33.7	12.0	45.7	68.2	-22.5	Peak	Vertical
	11183.0	38.8	12.6	51.4	74.0	-22.6	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.

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:	134	Test Engineer:	Jone Zhang
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
	7332.5	33.6	8.0	41.6	74.0	-32.4	Peak	Horizontal
*	8692.5	33.7	9.0	42.7	68.2	-25.5	Peak	Horizontal
*	10035.5	33.4	11.5	44.9	68.2	-23.3	Peak	Horizontal
	11336.0	36.4	12.5	48.9	74.0	-25.1	Peak	Horizontal
	8386.5	33.1	8.1	41.2	74.0	-32.8	Peak	Vertical
*	9508.5	33.3	10.6	43.9	68.2	-24.3	Peak	Vertical
*	10214.0	32.8	11.8	44.6	68.2	-23.6	Peak	Vertical
	11336.0	37.0	12.5	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.

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:	142	Test Engineer:	Jone Zhang
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
*	8930.5	32.9	9.0	41.9	68.2	-26.3	Peak	Horizontal
*	10341.5	34.4	12.2	46.6	68.2	-21.6	Peak	Horizontal
	10792.0	34.7	12.6	47.3	74.0	-26.7	Peak	Horizontal
	11420.0	39.4	12.6	52.0	74.0	-22.0	Peak	Horizontal
*	8692.5	33.4	9.0	42.4	68.2	-25.8	Peak	Vertical
*	10307.5	33.2	12.0	45.2	68.2	-23.0	Peak	Vertical
	10817.5	33.8	12.7	46.5	74.0	-27.5	Peak	Vertical
	11420.0	38.4	12.6	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.

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:	52	Test Engineer:	Jone Zhang
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
	7468.5	33.7	8.1	41.8	74.0	-32.2	Peak	Horizontal
*	9593.5	32.7	10.9	43.6	68.2	-24.6	Peak	Horizontal
*	10528.5	36.8	12.5	49.3	68.2	-18.9	Peak	Horizontal
	11948.0	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
	8429.0	33.5	8.2	41.7	74.0	-32.3	Peak	Vertical
*	9721.0	32.9	11.1	44.0	68.2	-24.2	Peak	Vertical
*	10520.0	40.9	12.4	53.3	68.2	-14.9	Peak	Vertical
	11948.0	33.5	11.9	45.4	74.0	-28.6	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.

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:	60	Test Engineer:	Jone Zhang
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
	7400.5	34.1	7.9	42.0	74.0	-32.0	Peak	Horizontal
*	9636.0	33.5	11.0	44.5	68.2	-23.7	Peak	Horizontal
*	10596.5	38.5	12.4	50.9	68.2	-17.3	Peak	Horizontal
	11684.5	34.1	12.1	46.2	74.0	-27.8	Peak	Horizontal
	7468.5	33.7	8.1	41.8	74.0	-32.2	Peak	Vertical
*	9814.5	32.3	11.6	43.9	68.2	-24.3	Peak	Vertical
*	10596.5	41.8	12.4	54.2	68.2	-14.0	Peak	Vertical
	11480.5	32.5	12.7	45.2	74.0	-28.8	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.

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:	64	Test Engineer:	Jone Zhang
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
	7570.5	33.8	8.2	42.0	74.0	-32.0	Peak	Horizontal
*	8930.5	32.9	9.0	41.9	68.2	-26.3	Peak	Horizontal
*	9721.0	33.1	11.1	44.2	68.2	-24.0	Peak	Horizontal
	10647.5	39.1	12.3	51.4	74.0	-22.6	Peak	Horizontal
	7332.5	33.8	8.0	41.8	74.0	-32.2	Peak	Vertical
*	7842.5	34.0	8.4	42.4	68.2	-25.8	Peak	Vertical
*	9721.0	33.0	11.1	44.1	68.2	-24.1	Peak	Vertical
	10647.5	43.0	12.3	55.3	74.0	-18.7	Peak	Vertical
	10647.5	33.1	12.3	45.4	54.0	-8.6	Average	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.

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:	100	Test Engineer:	Jone Zhang
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
	7332.5	33.8	8.0	41.8	74.0	-32.2	Peak	Horizontal
*	8539.5	33.6	8.5	42.1	68.2	-26.1	Peak	Horizontal
*	9899.5	32.7	11.6	44.3	68.2	-23.9	Peak	Horizontal
	11123.5	32.6	12.7	45.3	74.0	-28.7	Peak	Horizontal
	7502.5	34.6	8.3	42.9	74.0	-31.1	Peak	Vertical
*	9219.5	33.1	10.1	43.2	68.2	-25.0	Peak	Vertical
*	10078.0	33.2	11.5	44.7	68.2	-23.5	Peak	Vertical
	10996.0	37.7	13.0	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.

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:	120	Test Engineer:	Jone Zhang
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
	7468.5	34.0	8.1	42.1	74.0	-31.9	Peak	Horizontal
*	8888.0	33.6	9.2	42.8	68.2	-25.4	Peak	Horizontal
*	10401.0	33.7	12.3	46.0	68.2	-22.2	Peak	Horizontal
	11191.5	39.0	12.5	51.5	74.0	-22.5	Peak	Horizontal
	8089.0	32.9	8.6	41.5	74.0	-32.5	Peak	Vertical
*	8854.0	32.7	9.1	41.8	68.2	-26.4	Peak	Vertical
*	10171.5	33.2	11.7	44.9	68.2	-23.3	Peak	Vertical
	11200.0	41.1	12.5	53.6	74.0	-20.4	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.

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:	140	Test Engineer:	Jone Zhang
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
	7536.5	35.7	8.3	44.0	74.0	-30.0	Peak	Horizontal
*	8692.5	34.2	9.0	43.2	68.2	-25.0	Peak	Horizontal
*	9993.0	33.4	11.4	44.8	68.2	-23.4	Peak	Horizontal
	11276.5	33.5	12.4	45.9	74.0	-28.1	Peak	Horizontal
	7638.5	33.2	8.0	41.2	74.0	-32.8	Peak	Vertical
*	8854.0	32.0	9.1	41.1	68.2	-27.1	Peak	Vertical
*	10120.5	33.2	11.6	44.8	68.2	-23.4	Peak	Vertical
	11480.5	32.0	12.7	44.7	74.0	-29.3	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.

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:	144	Test Engineer:	Jone Zhang
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
	7536.5	33.9	8.3	42.2	74.0	-31.8	Peak	Horizontal
*	8973.0	34.0	9.0	43.0	68.2	-25.2	Peak	Horizontal
*	10401.0	33.6	12.3	45.9	68.2	-22.3	Peak	Horizontal
	11438.0	37.5	12.6	50.1	74.0	-23.9	Peak	Horizontal
	7468.5	33.9	8.1	42.0	74.0	-32.0	Peak	Vertical
*	8616.0	33.4	8.8	42.2	68.2	-26.0	Peak	Vertical
*	9993.0	32.4	11.4	43.8	68.2	-24.4	Peak	Vertical
	11446.5	39.5	12.7	52.2	74.0	-21.8	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.

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:	54	Test Engineer:	Jone Zhang
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
	7468.5	33.9	8.1	42.0	74.0	-32.0	Peak	Horizontal
*	8854.0	32.8	9.1	41.9	68.2	-26.3	Peak	Horizontal
*	9636.0	34.5	11.0	45.5	68.2	-22.7	Peak	Horizontal
	11225.5	34.1	12.4	46.5	74.0	-27.5	Peak	Horizontal
	7468.5	33.5	8.1	41.6	74.0	-32.4	Peak	Vertical
*	8811.5	34.5	9.0	43.5	68.2	-24.7	Peak	Vertical
*	10537.0	38.2	12.5	50.7	68.2	-17.5	Peak	Vertical
	11582.5	31.9	12.6	44.5	74.0	-29.5	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.

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:	62	Test Engineer:	Jone Zhang
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
	7468.5	33.5	8.1	41.6	74.0	-32.4	Peak	Horizontal
*	8769.0	33.4	8.9	42.3	68.2	-25.9	Peak	Horizontal
*	9772.0	32.1	11.4	43.5	68.2	-24.7	Peak	Horizontal
	10970.5	32.7	13.1	45.8	74.0	-28.2	Peak	Horizontal
	7366.5	34.4	7.9	42.3	74.0	-31.7	Peak	Vertical
*	8505.5	34.1	8.4	42.5	68.2	-25.7	Peak	Vertical
*	9993.0	33.0	11.4	44.4	68.2	-23.8	Peak	Vertical
	10622.0	39.6	12.4	52.0	74.0	-22.0	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.

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:	102	Test Engineer:	Jone Zhang
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
	7366.5	34.4	7.9	42.3	74.0	-31.7	Peak	Horizontal
*	8616.0	33.8	8.8	42.6	68.2	-25.6	Peak	Horizontal
*	9508.5	33.6	10.6	44.2	68.2	-24.0	Peak	Horizontal
	11174.5	32.3	12.6	44.9	74.0	-29.1	Peak	Horizontal
	7638.5	34.9	8.0	42.9	74.0	-31.1	Peak	Vertical
*	8854.0	33.6	9.1	42.7	68.2	-25.5	Peak	Vertical
*	9857.0	32.8	11.6	44.4	68.2	-23.8	Peak	Vertical
	10732.5	33.1	12.5	45.6	74.0	-28.4	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.

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:	118	Test Engineer:	Jone Zhang
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
	7366.5	34.9	7.9	42.8	74.0	-31.2	Peak	Horizontal
*	8854.0	33.0	9.1	42.1	68.2	-26.1	Peak	Horizontal
*	10078.0	33.4	11.5	44.9	68.2	-23.3	Peak	Horizontal
	11183.0	36.3	12.6	48.9	74.0	-25.1	Peak	Horizontal
	8055.0	32.9	8.8	41.7	74.0	-32.3	Peak	Vertical
*	8930.5	33.3	9.0	42.3	68.2	-25.9	Peak	Vertical
*	10078.0	32.9	11.5	44.4	68.2	-23.8	Peak	Vertical
	11166.0	37.1	12.6	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.

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:	134	Test Engineer:	Jone Zhang
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
	7366.5	34.4	7.9	42.3	74.0	-31.7	Peak	Horizontal
*	9508.5	32.7	10.6	43.3	68.2	-24.9	Peak	Horizontal
*	10401.0	32.4	12.3	44.7	68.2	-23.5	Peak	Horizontal
	11344.5	36.5	12.5	49.0	74.0	-25.0	Peak	Horizontal
	7570.5	35.2	8.2	43.4	74.0	-30.6	Peak	Vertical
*	8539.5	33.5	8.5	42.0	68.2	-26.2	Peak	Vertical
*	10350.0	33.3	12.2	45.5	68.2	-22.7	Peak	Vertical
	11327.5	38.4	12.5	50.9	74.0	-23.1	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.

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:	142	Test Engineer:	Jone Zhang
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
	7468.5	33.6	8.1	41.7	74.0	-32.3	Peak	Horizontal
*	8658.5	33.3	8.8	42.1	68.2	-26.1	Peak	Horizontal
*	9772.0	32.2	11.4	43.6	68.2	-24.6	Peak	Horizontal
	10783.5	33.2	12.6	45.8	74.0	-28.2	Peak	Horizontal
	7502.5	34.7	8.3	43.0	74.0	-31.0	Peak	Vertical
*	8888.0	33.3	9.2	42.5	68.2	-25.7	Peak	Vertical
*	9993.0	32.9	11.4	44.3	68.2	-23.9	Peak	Vertical
	11429.5	36.3	12.6	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.

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:	58	Test Engineer:	Jone Zhang
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
	7502.5	34.7	8.3	43.0	74.0	-31.0	Peak	Horizontal
*	8616.0	33.7	8.8	42.5	68.2	-25.7	Peak	Horizontal
*	9721.0	32.8	11.1	43.9	68.2	-24.3	Peak	Horizontal
	11378.5	32.3	12.6	44.9	74.0	-29.1	Peak	Horizontal
	7570.5	34.7	8.2	42.9	74.0	-31.1	Peak	Vertical
*	8769.0	33.5	8.9	42.4	68.2	-25.8	Peak	Vertical
*	10443.5	32.6	12.0	44.6	68.2	-23.6	Peak	Vertical
	11378.5	32.3	12.6	44.9	74.0	-29.1	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.

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:	106	Test Engineer:	Jone Zhang
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
	7570.5	34.7	8.2	42.9	74.0	-31.1	Peak	Horizontal
*	8973.0	33.5	9.0	42.5	68.2	-25.7	Peak	Horizontal
*	9899.5	34.2	11.6	45.8	68.2	-22.4	Peak	Horizontal
	10826.0	33.3	12.7	46.0	74.0	-28.0	Peak	Horizontal
	7366.5	33.6	7.9	41.5	74.0	-32.5	Peak	Vertical
*	8505.5	34.4	8.4	42.8	68.2	-25.4	Peak	Vertical
*	10120.5	32.7	11.6	44.3	68.2	-23.9	Peak	Vertical
	10826.0	33.3	12.7	46.0	74.0	-28.0	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.

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:	122	Test Engineer:	Jone Zhang
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
	7366.5	33.6	7.9	41.5	74.0	-32.5	Peak	Horizontal
*	8616.0	34.6	8.8	43.4	68.2	-24.8	Peak	Horizontal
*	9636.0	33.6	11.0	44.6	68.2	-23.6	Peak	Horizontal
	10877.0	33.1	12.9	46.0	74.0	-28.0	Peak	Horizontal
	7570.5	33.8	8.2	42.0	74.0	-32.0	Peak	Vertical
*	8769.0	33.7	8.9	42.6	68.2	-25.6	Peak	Vertical
*	9942.0	33.9	11.5	45.4	68.2	-22.8	Peak	Vertical
	10877.0	33.1	12.9	46.0	74.0	-28.0	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.

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:	138	Test Engineer:	Jone Zhang
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
	7570.5	33.8	8.2	42.0	74.0	-32.0	Peak	Horizontal
*	8582.0	34.3	8.6	42.9	68.2	-25.3	Peak	Horizontal
*	9219.5	32.0	10.1	42.1	68.2	-26.1	Peak	Horizontal
	10928.0	33.1	13.0	46.1	74.0	-27.9	Peak	Horizontal
	7638.5	33.8	8.0	41.8	74.0	-32.2	Peak	Vertical
*	8692.5	34.0	9.0	43.0	68.2	-25.2	Peak	Vertical
*	9993.0	32.9	11.4	44.3	68.2	-23.9	Peak	Vertical
	10928.0	33.1	13.0	46.1	74.0	-27.9	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.

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:	52	Test Engineer:	Jone Zhang
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
	7638.5	33.7	8.0	41.7	74.0	-32.3	Peak	Horizontal
*	9551.0	32.6	10.8	43.4	68.2	-24.8	Peak	Horizontal
*	10511.5	36.1	12.4	48.5	68.2	-19.7	Peak	Horizontal
	11276.5	32.8	12.4	45.2	74.0	-28.8	Peak	Horizontal
	8463.0	33.2	8.2	41.4	74.0	-32.6	Peak	Vertical
*	9508.5	33.0	10.6	43.6	68.2	-24.6	Peak	Vertical
*	10520.0	39.2	12.4	51.6	68.2	-16.6	Peak	Vertical
	11276.5	33.2	12.4	45.6	74.0	-28.4	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.

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:	60	Test Engineer:	Jone Zhang
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
	7434.5	33.7	8.0	41.7	74.0	-32.3	Peak	Horizontal
*	9296.0	32.5	10.3	42.8	68.2	-25.4	Peak	Horizontal
*	9899.5	32.4	11.6	44.0	68.2	-24.2	Peak	Horizontal
	10613.5	38.3	12.4	50.7	74.0	-23.3	Peak	Horizontal
	7264.5	34.8	7.9	42.7	74.0	-31.3	Peak	Vertical
*	9899.5	33.0	11.6	44.6	68.2	-23.6	Peak	Vertical
*	10596.5	43.4	12.4	55.8	68.2	-12.4	Peak	Vertical
	11174.5	32.7	12.6	45.3	74.0	-28.7	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.

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:	64	Test Engineer:	Jone Zhang
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
	7366.5	33.5	7.9	41.4	74.0	-32.6	Peak	Horizontal
*	8616.0	33.7	8.8	42.5	68.2	-25.7	Peak	Horizontal
*	9551.0	31.5	10.8	42.3	68.2	-25.9	Peak	Horizontal
	10639.0	39.7	12.3	52.0	74.0	-22.0	Peak	Horizontal
	7434.5	34.5	8.0	42.5	74.0	-31.5	Peak	Vertical
*	8735.0	33.8	8.9	42.7	68.2	-25.5	Peak	Vertical
*	9772.0	33.5	11.4	44.9	68.2	-23.3	Peak	Vertical
	10633.5	30.8	12.4	43.2	54.0	-10.8	Average	Vertical
	10647.5	43.2	12.3	55.5	74.0	-18.5	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.

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:	100	Test Engineer:	Jone Zhang
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
	7434.5	33.8	8.0	41.8	74.0	-32.2	Peak	Horizontal
*	9636.0	33.5	11.0	44.5	68.2	-23.7	Peak	Horizontal
*	10350.0	32.9	12.2	45.1	68.2	-23.1	Peak	Horizontal
	10996.0	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
	7400.5	34.1	7.9	42.0	74.0	-32.0	Peak	Vertical
*	8811.5	32.9	9.0	41.9	68.2	-26.3	Peak	Vertical
*	9942.0	33.0	11.5	44.5	68.2	-23.7	Peak	Vertical
	11004.5	40.4	13.0	53.4	74.0	-20.6	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.

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:	120	Test Engineer:	Jone Zhang
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
	7366.5	33.3	7.9	41.2	74.0	-32.8	Peak	Horizontal
*	9508.5	33.1	10.6	43.7	68.2	-24.5	Peak	Horizontal
*	10307.5	32.3	12.0	44.3	68.2	-23.9	Peak	Horizontal
	11208.5	37.8	12.4	50.2	74.0	-23.8	Peak	Horizontal
	7536.5	33.7	8.3	42.0	74.0	-32.0	Peak	Vertical
*	9593.5	32.9	10.9	43.8	68.2	-24.4	Peak	Vertical
*	10214.0	33.0	11.8	44.8	68.2	-23.4	Peak	Vertical
	11200.0	39.9	12.5	52.4	74.0	-21.6	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.

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:	140	Test Engineer:	Jone Zhang
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
	7536.5	33.7	8.3	42.0	74.0	-32.0	Peak	Horizontal
*	8582.0	34.7	8.6	43.3	68.2	-24.9	Peak	Horizontal
*	9568.0	31.4	10.9	42.3	68.2	-25.9	Peak	Horizontal
	10732.5	33.2	12.5	45.7	74.0	-28.3	Peak	Horizontal
	7570.5	35.0	8.2	43.2	74.0	-30.8	Peak	Vertical
*	8811.5	33.5	9.0	42.5	68.2	-25.7	Peak	Vertical
*	10265.0	32.5	12.0	44.5	68.2	-23.7	Peak	Vertical
	11395.5	38.0	12.6	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.

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:	144	Test Engineer:	Jone Zhang
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
*	8956.0	34.3	9.0	43.3	68.2	-24.9	Peak	Horizontal
*	10333.0	34.6	12.2	46.8	68.2	-21.4	Peak	Horizontal
	10792.0	33.9	12.6	46.5	74.0	-27.5	Peak	Horizontal
	11440.0	38.7	12.7	51.4	74.0	-22.6	Peak	Horizontal
*	8684.0	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
*	9746.5	34.6	11.3	45.9	68.2	-22.3	Peak	Vertical
	10936.5	33.2	13.0	46.2	74.0	-27.8	Peak	Vertical
	11440.0	38.7	12.7	51.4	74.0	-22.6	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.

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:	54	Test Engineer:	Jone Zhang
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
	7570.5	35.0	8.2	43.2	74.0	-30.8	Peak	Horizontal
*	8888.0	33.3	9.2	42.5	68.2	-25.7	Peak	Horizontal
*	10537.0	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
	11378.5	31.8	12.6	44.4	74.0	-29.6	Peak	Horizontal
	8386.5	32.6	8.1	40.7	74.0	-33.3	Peak	Vertical
*	9721.0	34.4	11.1	45.5	68.2	-22.7	Peak	Vertical
*	10537.0	37.9	12.5	50.4	68.2	-17.8	Peak	Vertical
	11072.5	32.4	12.8	45.2	74.0	-28.8	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.

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:	62	Test Engineer:	Jone Zhang
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
	7264.5	34.3	7.9	42.2	74.0	-31.8	Peak	Horizontal
*	8505.5	33.0	8.4	41.4	68.2	-26.8	Peak	Horizontal
*	9942.0	32.7	11.5	44.2	68.2	-24.0	Peak	Horizontal
	11021.5	32.1	13.0	45.1	74.0	-28.9	Peak	Horizontal
	7536.5	34.6	8.3	42.9	74.0	-31.1	Peak	Vertical
*	8811.5	33.8	9.0	42.8	68.2	-25.4	Peak	Vertical
*	10265.0	32.0	12.0	44.0	68.2	-24.2	Peak	Vertical
	10613.5	37.4	12.4	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.

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:	102	Test Engineer:	Jone Zhang
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
	7536.5	34.6	8.3	42.9	74.0	-31.1	Peak	Horizontal
*	8769.0	33.6	8.9	42.5	68.2	-25.7	Peak	Horizontal
*	10222.5	32.0	11.8	43.8	68.2	-24.4	Peak	Horizontal
	11370.0	31.2	12.6	43.8	74.0	-30.2	Peak	Horizontal
	7536.5	34.6	8.3	42.9	74.0	-31.1	Peak	Vertical
*	9636.0	33.4	11.0	44.4	68.2	-23.8	Peak	Vertical
*	10537.0	33.1	12.5	45.6	68.2	-22.6	Peak	Vertical
	11370.0	31.2	12.6	43.8	74.0	-30.2	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.

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:	118	Test Engineer:	Jone Zhang
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
	7366.5	35.1	7.9	43.0	74.0	-31.0	Peak	Horizontal
*	8973.0	33.7	9.0	42.7	68.2	-25.5	Peak	Horizontal
*	10401.0	33.0	12.3	45.3	68.2	-22.9	Peak	Horizontal
	11149.0	37.5	12.6	50.1	74.0	-23.9	Peak	Horizontal
	7570.5	35.4	8.2	43.6	74.0	-30.4	Peak	Vertical
*	8888.0	33.9	9.2	43.1	68.2	-25.1	Peak	Vertical
*	10307.5	33.4	12.0	45.4	68.2	-22.8	Peak	Vertical
	11183.0	39.9	12.6	52.5	74.0	-21.5	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.

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:	134	Test Engineer:	Jone Zhang
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
	7468.5	33.9	8.1	42.0	74.0	-32.0	Peak	Horizontal
*	8692.5	33.2	9.0	42.2	68.2	-26.0	Peak	Horizontal
*	10171.5	32.7	11.7	44.4	68.2	-23.8	Peak	Horizontal
	11336.0	36.6	12.5	49.1	74.0	-24.9	Peak	Horizontal
	7366.5	33.8	7.9	41.7	74.0	-32.3	Peak	Vertical
*	8769.0	33.2	8.9	42.1	68.2	-26.1	Peak	Vertical
*	10494.5	32.7	12.4	45.1	68.2	-23.1	Peak	Vertical
	11336.0	38.6	12.5	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.

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:	142	Test Engineer:	Jone Zhang
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
*	8599.0	34.7	8.7	43.4	68.2	-24.8	Peak	Horizontal
*	10086.5	34.3	11.5	45.8	68.2	-22.4	Peak	Horizontal
	10783.5	34.1	12.6	46.7	74.0	-27.3	Peak	Horizontal
	11420.0	38.4	12.6	51.0	74.0	-23.0	Peak	Horizontal
*	8684.0	35.7	9.0	44.7	68.2	-23.5	Peak	Vertical
*	10069.5	34.7	11.5	46.2	68.2	-22.0	Peak	Vertical
	10775.0	34.6	12.5	47.1	74.0	-26.9	Peak	Vertical
	11420.0	38.7	12.6	51.3	74.0	-22.7	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.

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:	52	Test Engineer:	Jone Zhang
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
	7672.5	34.1	8.0	42.1	74.0	-31.9	Peak	Horizontal
*	9593.5	32.5	10.9	43.4	68.2	-24.8	Peak	Horizontal
*	10511.5	39.1	12.4	51.5	68.2	-16.7	Peak	Horizontal
	11327.5	32.9	12.5	45.4	74.0	-28.6	Peak	Horizontal
	8463.0	33.8	8.2	42.0	74.0	-32.0	Peak	Vertical
*	9593.5	32.8	10.9	43.7	68.2	-24.5	Peak	Vertical
*	10511.5	40.0	12.4	52.4	68.2	-15.8	Peak	Vertical
	11072.5	32.7	12.8	45.5	74.0	-28.5	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.

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:	60	Test Engineer:	Jone Zhang
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
	7400.5	33.8	7.9	41.7	74.0	-32.3	Peak	Horizontal
*	8888.0	33.7	9.2	42.9	68.2	-25.3	Peak	Horizontal
*	10596.5	39.1	12.4	51.5	68.2	-16.7	Peak	Horizontal
	11378.5	33.4	12.6	46.0	74.0	-28.0	Peak	Horizontal
	7434.5	33.6	8.0	41.6	74.0	-32.4	Peak	Vertical
*	9593.5	33.1	10.9	44.0	68.2	-24.2	Peak	Vertical
*	10596.5	42.4	12.4	54.8	68.2	-13.4	Peak	Vertical
	11276.5	33.3	12.4	45.7	74.0	-28.3	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.

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:	64	Test Engineer:	Jone Zhang
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
	7434.5	34.6	8.0	42.6	74.0	-31.4	Peak	Horizontal
*	8658.5	34.8	8.8	43.6	68.2	-24.6	Peak	Horizontal
*	9814.5	32.4	11.6	44.0	68.2	-24.2	Peak	Horizontal
	10639.0	40.2	12.3	52.5	74.0	-21.5	Peak	Horizontal
	7332.5	35.0	8.0	43.0	74.0	-31.0	Peak	Vertical
*	8888.0	33.5	9.2	42.7	68.2	-25.5	Peak	Vertical
*	9772.0	32.4	11.4	43.8	68.2	-24.4	Peak	Vertical
	10630.5	43.3	12.4	55.7	74.0	-18.3	Peak	Vertical
	10635.9	30.7	12.4	43.1	54.0	-10.9	Average	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.

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:	100	Test Engineer:	Jone Zhang
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
	7239.0	34.4	7.8	42.2	74.0	-31.8	Peak	Horizontal
*	8973.0	33.4	9.0	42.4	68.2	-25.8	Peak	Horizontal
*	10120.5	33.3	11.6	44.9	68.2	-23.3	Peak	Horizontal
	11004.5	36.1	13.0	49.1	74.0	-24.9	Peak	Horizontal
	7570.5	34.5	8.2	42.7	74.0	-31.3	Peak	Vertical
*	8616.0	33.1	8.8	41.9	68.2	-26.3	Peak	Vertical
*	9993.0	34.3	11.4	45.7	68.2	-22.5	Peak	Vertical
	11004.5	41.6	13.0	54.6	74.0	-19.4	Peak	Vertical
	11004.5	27.0	13.0	40.0	54.0	-14.0	Average	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.

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:	120	Test Engineer:	Jone Zhang
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
	7332.5	34.2	8.0	42.2	74.0	-31.8	Peak	Horizontal
*	9593.5	32.7	10.9	43.6	68.2	-24.6	Peak	Horizontal
*	10443.5	32.4	12.0	44.4	68.2	-23.8	Peak	Horizontal
	11191.5	37.7	12.5	50.2	74.0	-23.8	Peak	Horizontal
	7400.5	33.4	7.9	41.3	74.0	-32.7	Peak	Vertical
*	8692.5	33.9	9.0	42.9	68.2	-25.3	Peak	Vertical
*	9857.0	32.1	11.6	43.7	68.2	-24.5	Peak	Vertical
	11191.5	40.1	12.5	52.6	74.0	-21.4	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.

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:	140	Test Engineer:	Jone Zhang
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
	7332.5	33.8	8.0	41.8	74.0	-32.2	Peak	Horizontal
*	9678.5	34.5	10.9	45.4	68.2	-22.8	Peak	Horizontal
*	10537.0	32.7	12.5	45.2	68.2	-23.0	Peak	Horizontal
	11395.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	7366.5	34.1	7.9	42.0	74.0	-32.0	Peak	Vertical
*	9551.0	35.5	10.8	46.3	68.2	-21.9	Peak	Vertical
*	10214.0	33.5	11.8	45.3	68.2	-22.9	Peak	Vertical
	11395.5	36.5	12.6	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.

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:	144	Test Engineer:	Jone Zhang
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
	7536.5	33.6	8.3	41.9	74.0	-32.1	Peak	Horizontal
*	8888.0	32.6	9.2	41.8	68.2	-26.4	Peak	Horizontal
*	10401.0	33.7	12.3	46.0	68.2	-22.2	Peak	Horizontal
	11438.0	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	7468.5	34.5	8.1	42.6	74.0	-31.4	Peak	Vertical
*	8854.0	34.1	9.1	43.2	68.2	-25.0	Peak	Vertical
*	10078.0	33.3	11.5	44.8	68.2	-23.4	Peak	Vertical
	11438.0	39.9	12.6	52.5	74.0	-21.5	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.

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:	54	Test Engineer:	Jone Zhang
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
	7536.5	34.7	8.3	43.0	74.0	-31.0	Peak	Horizontal
*	9772.0	32.1	11.4	43.5	68.2	-24.7	Peak	Horizontal
*	10537.0	36.3	12.5	48.8	68.2	-19.4	Peak	Horizontal
	11480.5	33.3	12.7	46.0	74.0	-28.0	Peak	Horizontal
	7332.5	34.5	8.0	42.5	74.0	-31.5	Peak	Vertical
*	8888.0	32.8	9.2	42.0	68.2	-26.2	Peak	Vertical
*	10545.5	37.4	12.5	49.9	68.2	-18.3	Peak	Vertical
	11276.5	33.2	12.4	45.6	74.0	-28.4	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.

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:	62	Test Engineer:	Jone Zhang
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
	7332.5	34.5	8.0	42.5	74.0	-31.5	Peak	Horizontal
*	8888.0	32.8	9.2	42.0	68.2	-26.2	Peak	Horizontal
*	10545.5	37.4	12.5	49.9	68.2	-18.3	Peak	Horizontal
	11276.5	33.2	12.4	45.6	74.0	-28.4	Peak	Horizontal
	7672.5	34.2	8.0	42.2	74.0	-31.8	Peak	Vertical
*	8811.5	33.5	9.0	42.5	68.2	-25.7	Peak	Vertical
*	10307.5	33.8	12.0	45.8	68.2	-22.4	Peak	Vertical
	10622.0	36.5	12.4	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.

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:	102	Test Engineer:	Jone Zhang
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
	7672.5	34.2	8.0	42.2	74.0	-31.8	Peak	Horizontal
*	8658.5	34.1	8.8	42.9	68.2	-25.3	Peak	Horizontal
*	9551.0	32.4	10.8	43.2	68.2	-25.0	Peak	Horizontal
	10732.5	33.0	12.5	45.5	74.0	-28.5	Peak	Horizontal
	7638.5	33.6	8.0	41.6	74.0	-32.4	Peak	Vertical
*	8888.0	33.1	9.2	42.3	68.2	-25.9	Peak	Vertical
*	10171.5	32.4	11.7	44.1	68.2	-24.1	Peak	Vertical
	10732.5	33.0	12.5	45.5	74.0	-28.5	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.

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:	118	Test Engineer:	Jone Zhang
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
	7604.5	34.5	8.1	42.6	74.0	-31.4	Peak	Horizontal
*	8735.0	33.7	8.9	42.6	68.2	-25.6	Peak	Horizontal
*	10265.0	33.1	12.0	45.1	68.2	-23.1	Peak	Horizontal
	11191.5	38.3	12.5	50.8	74.0	-23.2	Peak	Horizontal
	7468.5	34.8	8.1	42.9	74.0	-31.1	Peak	Vertical
*	8692.5	33.5	9.0	42.5	68.2	-25.7	Peak	Vertical
*	10265.0	32.6	12.0	44.6	68.2	-23.6	Peak	Vertical
	11191.5	41.0	12.5	53.5	74.0	-20.5	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.

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:	134	Test Engineer:	Jone Zhang
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
	7468.5	34.8	8.1	42.9	74.0	-31.1	Peak	Horizontal
*	8769.0	33.1	8.9	42.0	68.2	-26.2	Peak	Horizontal
*	10171.5	32.9	11.7	44.6	68.2	-23.6	Peak	Horizontal
	11735.5	32.4	11.9	44.3	74.0	-29.7	Peak	Horizontal
	7366.5	34.1	7.9	42.0	74.0	-32.0	Peak	Vertical
*	8811.5	33.4	9.0	42.4	68.2	-25.8	Peak	Vertical
*	10401.0	32.9	12.3	45.2	68.2	-23.0	Peak	Vertical
	11327.5	36.5	12.5	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.

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:	142	Test Engineer:	Jone Zhang
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
	7366.5	35.1	7.9	43.0	74.0	-31.0	Peak	Horizontal
*	8854.0	33.8	9.1	42.9	68.2	-25.3	Peak	Horizontal
*	10307.5	34.0	12.0	46.0	68.2	-22.2	Peak	Horizontal
	11421.0	35.2	12.6	47.8	74.0	-26.2	Peak	Horizontal
	7638.5	33.3	8.0	41.3	74.0	-32.7	Peak	Vertical
*	8658.5	34.3	8.8	43.1	68.2	-25.1	Peak	Vertical
*	10537.0	32.3	12.5	44.8	68.2	-23.4	Peak	Vertical
	11412.5	38.5	12.6	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.

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:	58	Test Engineer:	Jone Zhang
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
	7638.5	33.3	8.0	41.3	74.0	-32.7	Peak	Horizontal
*	8692.5	34.8	9.0	43.8	68.2	-24.4	Peak	Horizontal
*	10401.0	33.1	12.3	45.4	68.2	-22.8	Peak	Horizontal
	11327.5	32.6	12.5	45.1	74.0	-28.9	Peak	Horizontal
	7468.5	34.8	8.1	42.9	74.0	-31.1	Peak	Vertical
*	8811.5	33.1	9.0	42.1	68.2	-26.1	Peak	Vertical
*	10571.0	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
	11327.5	32.6	12.5	45.1	74.0	-28.9	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.

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:	106	Test Engineer:	Jone Zhang
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
	7468.5	34.8	8.1	42.9	74.0	-31.1	Peak	Horizontal
*	8658.5	34.7	8.8	43.5	68.2	-24.7	Peak	Horizontal
*	9899.5	33.2	11.6	44.8	68.2	-23.4	Peak	Horizontal
	10877.0	33.3	12.9	46.2	74.0	-27.8	Peak	Horizontal
	7366.5	33.7	7.9	41.6	74.0	-32.4	Peak	Vertical
*	8616.0	33.5	8.8	42.3	68.2	-25.9	Peak	Vertical
*	10078.0	33.2	11.5	44.7	68.2	-23.5	Peak	Vertical
	10877.0	33.3	12.9	46.2	74.0	-27.8	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.

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:	122	Test Engineer:	Jone Zhang
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
	7672.5	34.0	8.0	42.0	74.0	-32.0	Peak	Horizontal
*	8735.0	33.1	8.9	42.0	68.2	-26.2	Peak	Horizontal
*	10443.5	32.5	12.0	44.5	68.2	-23.7	Peak	Horizontal
	11251.0	38.7	12.4	51.1	74.0	-22.9	Peak	Horizontal
	7672.5	33.5	8.0	41.5	74.0	-32.5	Peak	Vertical
*	8973.0	33.9	9.0	42.9	68.2	-25.3	Peak	Vertical
*	10307.5	33.0	12.0	45.0	68.2	-23.2	Peak	Vertical
	11208.5	39.1	12.4	51.5	74.0	-22.5	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.

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:	138	Test Engineer:	Jone Zhang
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
	7672.5	33.5	8.0	41.5	74.0	-32.5	Peak	Horizontal
*	8930.5	33.5	9.0	42.5	68.2	-25.7	Peak	Horizontal
*	10307.5	33.1	12.0	45.1	68.2	-23.1	Peak	Horizontal
	10928.0	32.5	13.0	45.5	74.0	-28.5	Peak	Horizontal
	7570.5	34.6	8.2	42.8	74.0	-31.2	Peak	Vertical
*	8616.0	34.5	8.8	43.3	68.2	-24.9	Peak	Vertical
*	9899.5	33.1	11.6	44.7	68.2	-23.5	Peak	Vertical
	10681.5	33.6	12.4	46.0	74.0	-28.0	Peak	Vertical

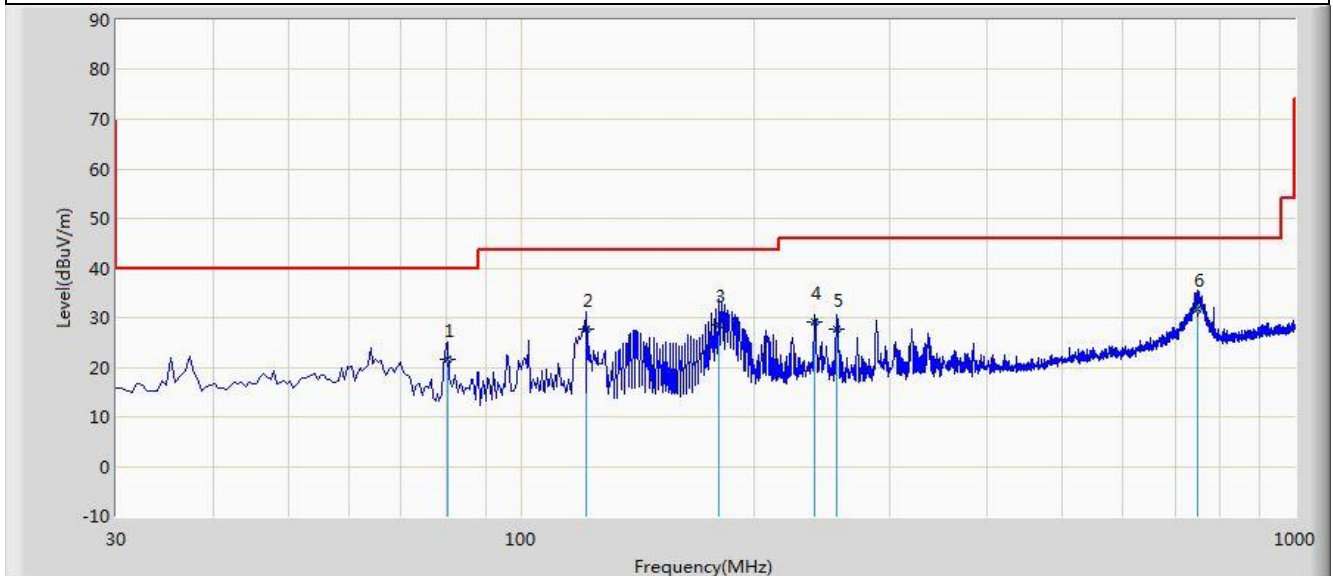
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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:

Site: AC2	Time: 2017/06/23 - 11:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Flag Yang
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Worst Mode: Transmit by 802.11a at channel 5320MHz Ant 0 + 1	



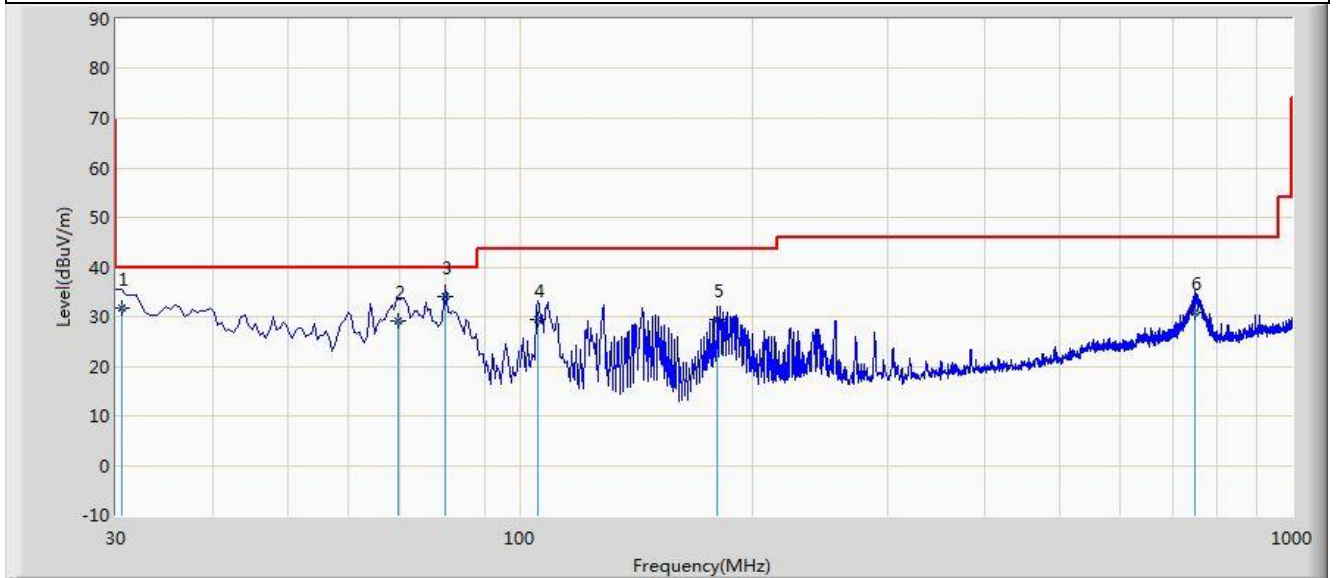
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			80.570	21.530	12.060	-18.470	40.000	9.470	QP
2			121.240	27.820	16.720	-15.680	43.500	11.100	QP
3			180.370	28.484	17.520	-15.016	43.500	10.965	QP
4			240.060	29.152	15.730	-16.848	46.000	13.421	QP
5			256.150	27.672	13.850	-18.328	46.000	13.823	QP
6		*	748.340	31.713	9.460	-14.287	46.000	22.253	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC2	Time: 2017/06/23 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Flag Yang
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Worst Mode: Transmit by 802.11a at channel 5320MHz 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			30.520	31.736	19.580	-8.264	40.000	12.156	QP
2			69.570	29.064	18.030	-10.936	40.000	11.033	QP
3		*	80.020	34.024	24.630	-5.976	40.000	9.394	QP
4			105.720	29.433	16.350	-14.067	43.500	13.083	QP
5			180.450	29.320	18.350	-14.180	43.500	10.971	QP
6			748.320	30.963	8.710	-15.037	46.000	22.253	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

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).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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	8.25 - 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 - 156.525	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)
13.36 - 13.41	--	--	--

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 5.725-5.85 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.

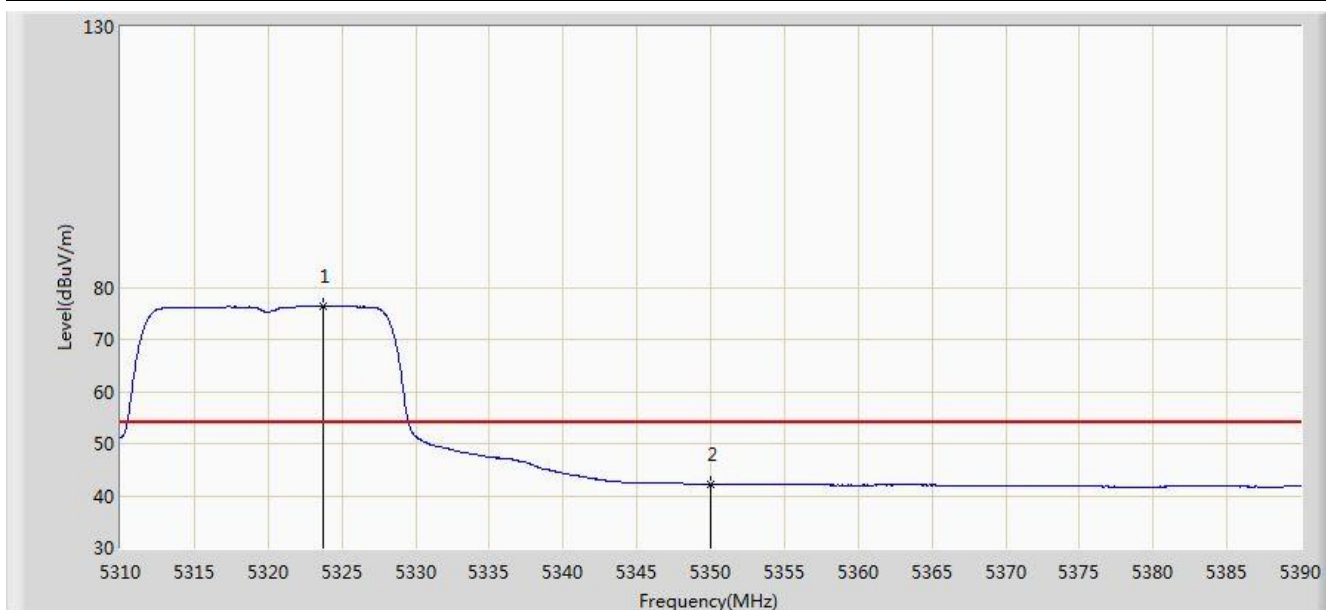
Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak 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 [uV/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

Site: AC1	Time: 2017/04/14 - 22:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0	

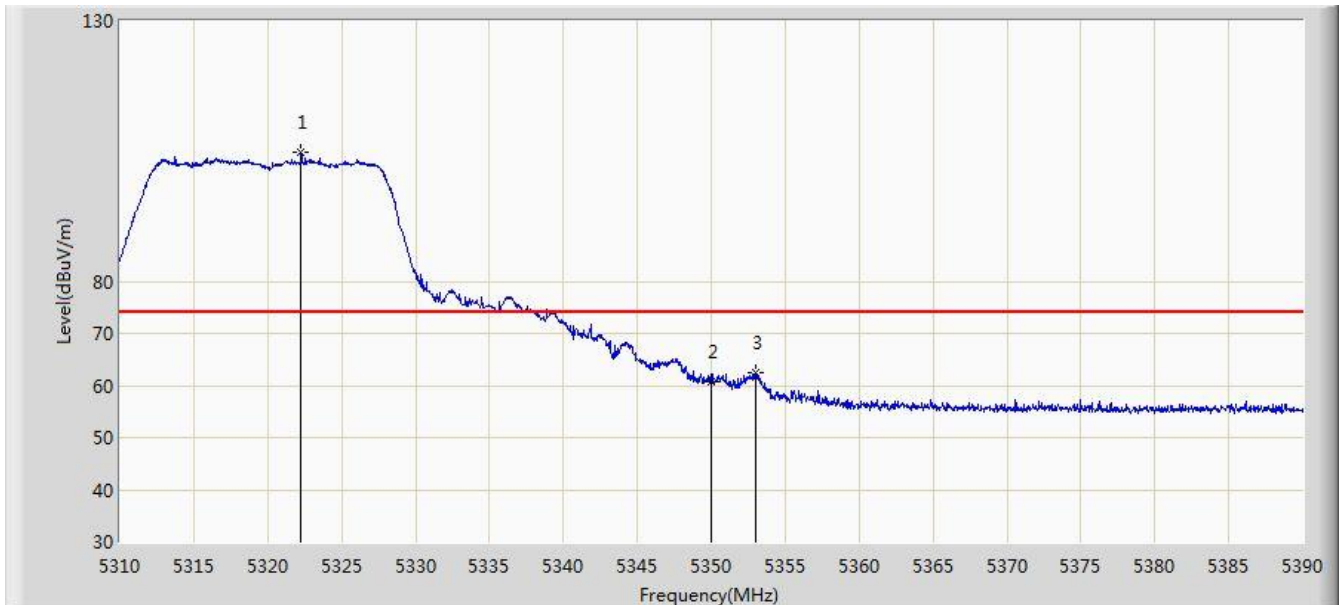


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.720	76.364	73.298	N/A	N/A	3.065	AV
2			5350.000	42.232	39.200	-11.768	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/14 - 22:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0	

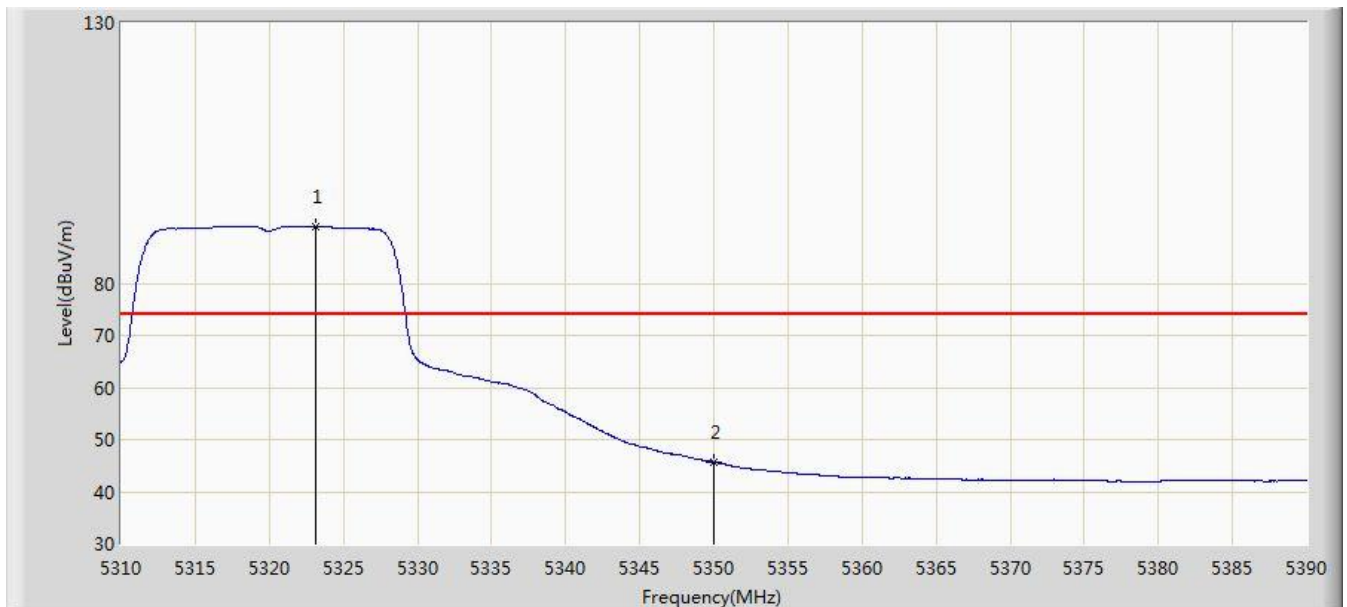


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.240	104.641	101.572	N/A	N/A	3.069	PK
2			5350.000	60.757	57.725	-13.243	74.000	3.032	PK
3			5352.960	62.600	59.570	-11.400	74.000	3.029	PK

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

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

Site: AC1	Time: 2017/04/14 - 22:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0	

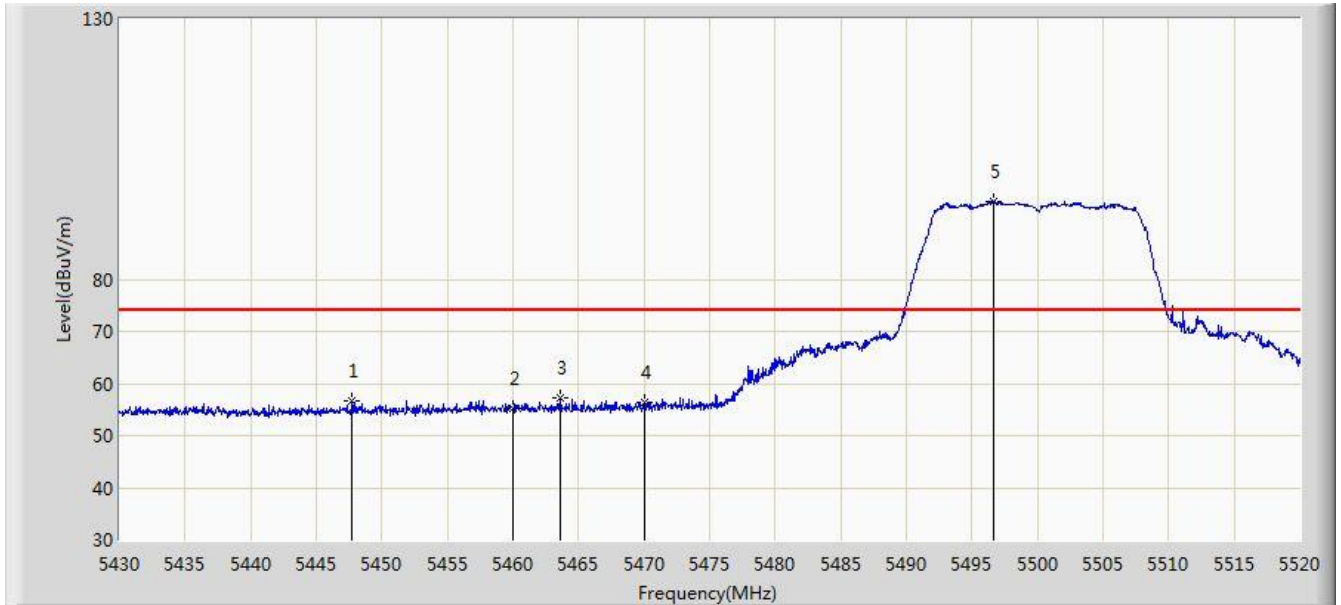


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.160	90.906	87.839	N/A	N/A	3.067	PK
2			5350.000	45.641	42.609	-28.359	74.000	3.032	PK

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

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

Site: AC1	Time: 2017/04/14 - 22:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0	

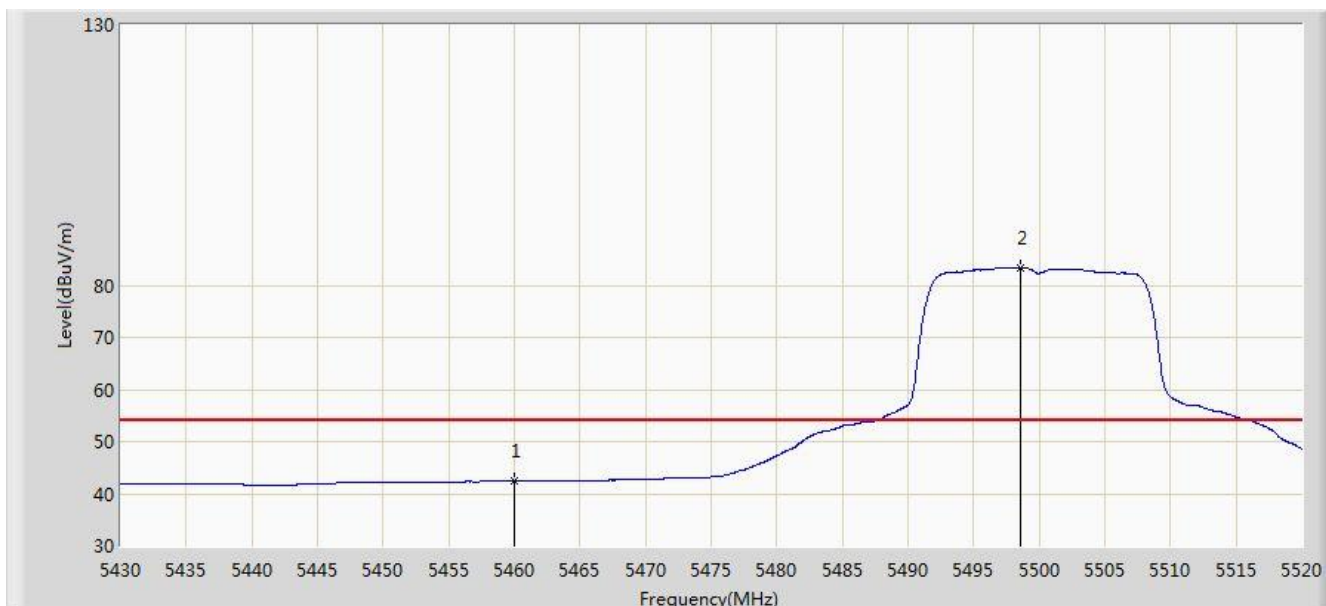


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5447.730	56.703	53.285	-17.297	74.000	3.417	PK
2			5460.000	55.189	51.707	-18.811	74.000	3.482	PK
3			5463.660	57.179	53.676	-16.821	74.000	3.503	PK
4			5470.000	56.360	52.821	-17.640	74.000	3.539	PK
5		*	5496.645	95.071	91.541	N/A	N/A	3.530	PK

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

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

Site: AC1	Time: 2017/04/14 - 22:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0	

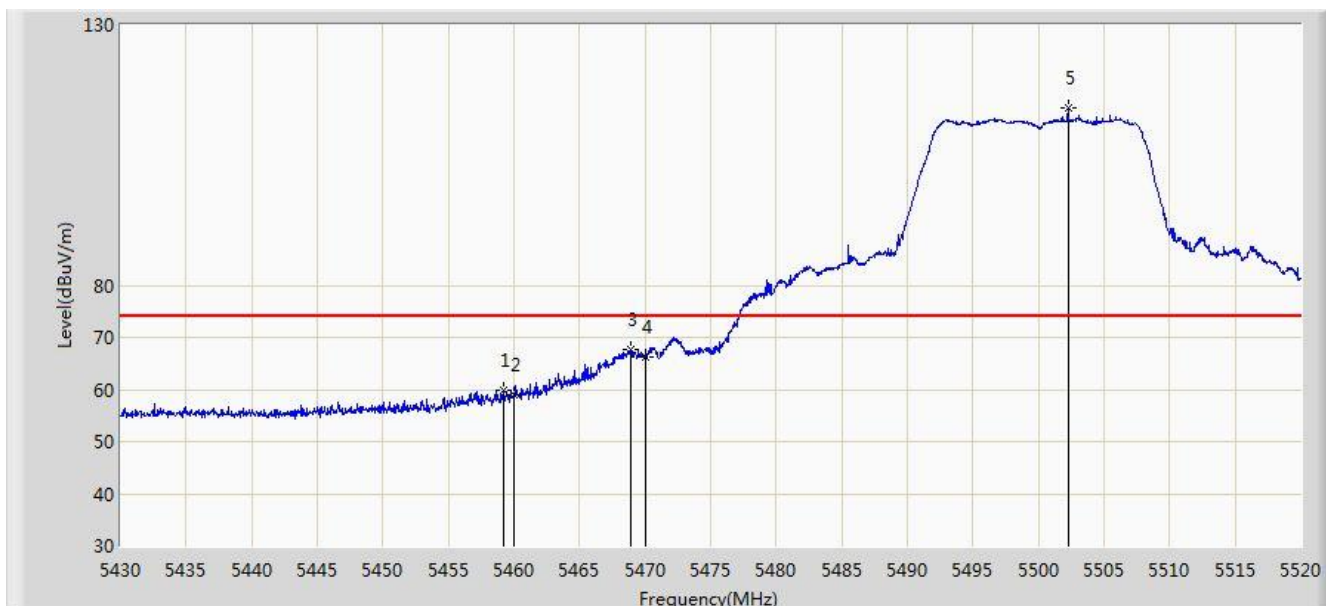


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.428	38.946	-11.572	54.000	3.482	AV
2		*	5498.625	83.318	79.790	N/A	N/A	3.528	AV

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

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

Site: AC1	Time: 2017/04/14 - 22:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0	

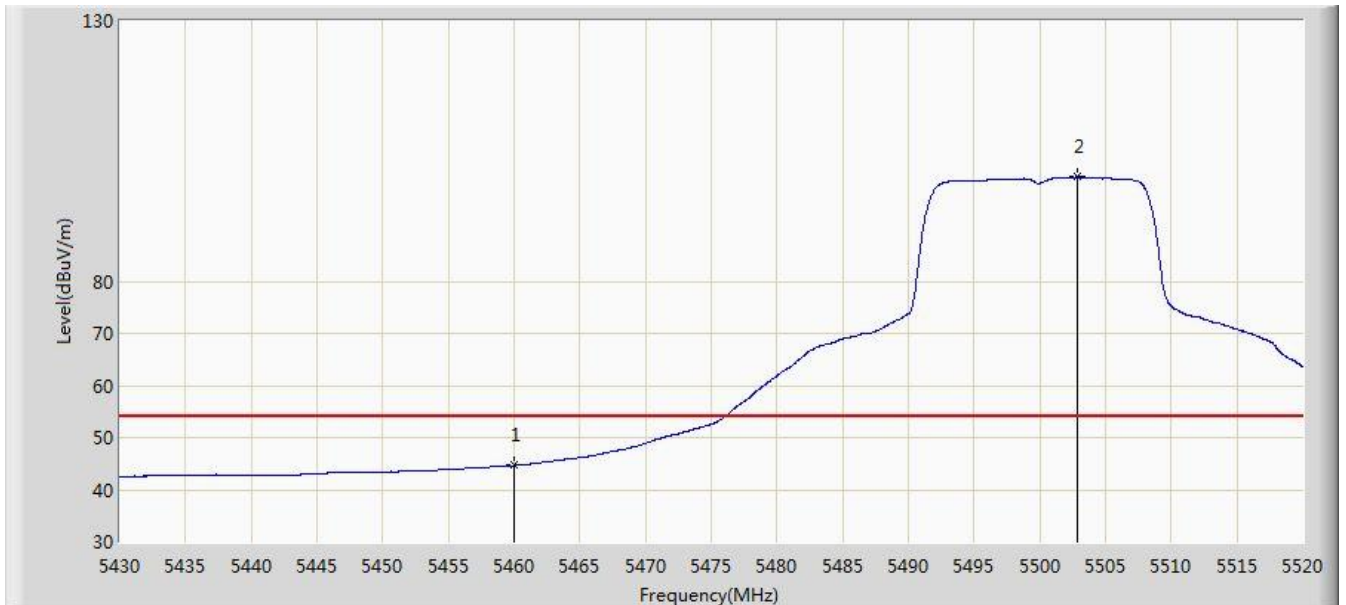


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.205	59.757	56.280	-14.243	74.000	3.477	PK
2			5460.000	59.006	55.524	-14.994	74.000	3.482	PK
3			5468.925	67.609	64.076	-6.391	74.000	3.533	PK
4			5470.000	66.273	62.734	-7.727	74.000	3.539	PK
5		*	5502.270	113.929	110.405	N/A	N/A	3.524	PK

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

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

Site: AC1	Time: 2017/04/14 - 22:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0	

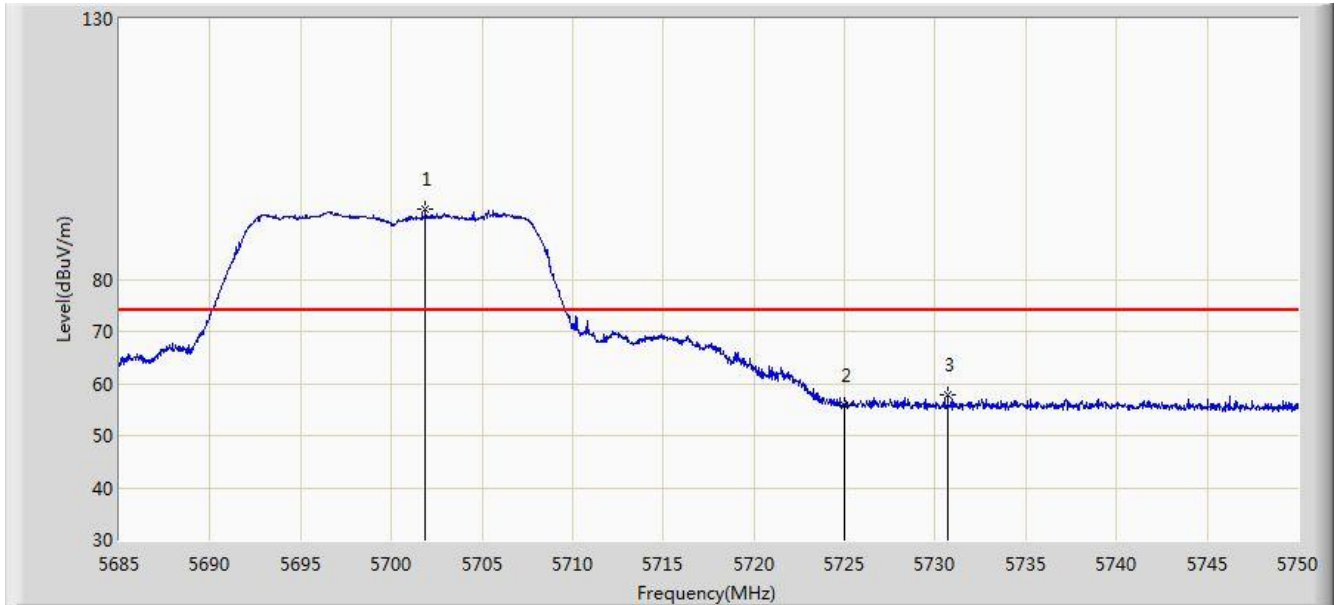


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.651	41.169	-9.349	54.000	3.482	AV
2		*	5502.810	100.038	96.515	N/A	N/A	3.524	AV

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

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

Site: AC1	Time: 2017/04/14 - 22:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0	

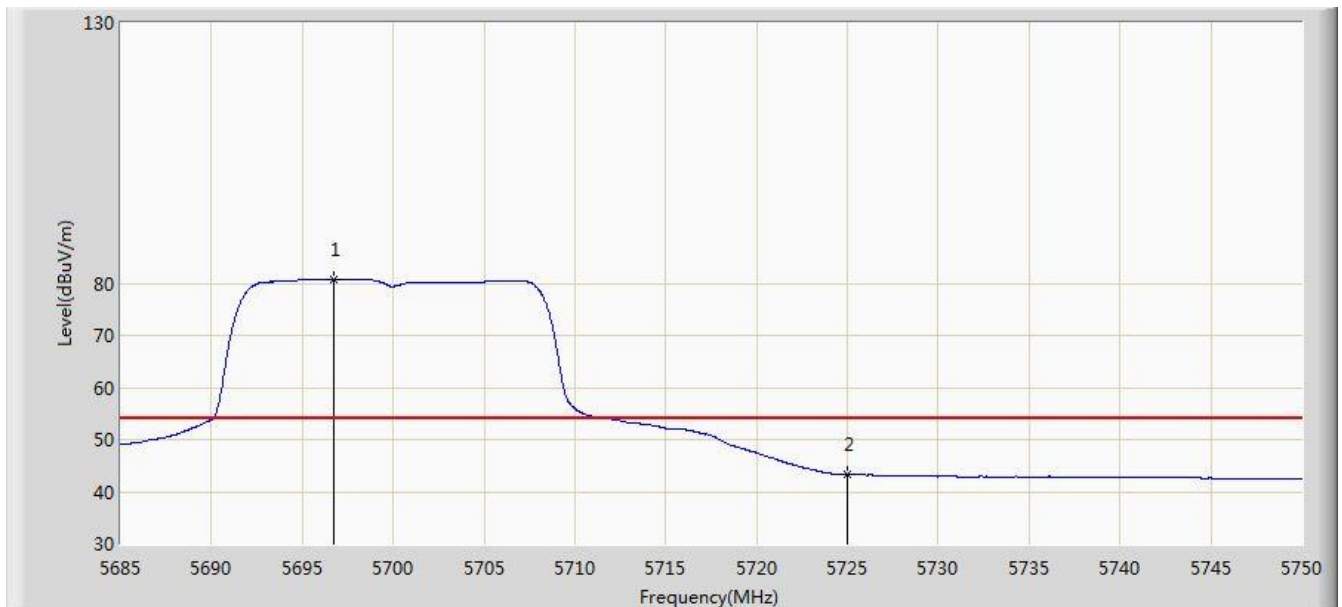


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.900	93.357	89.635	N/A	N/A	3.722	PK
2			5725.000	55.904	52.113	-18.096	74.000	3.791	PK
3			5730.695	57.714	53.906	-16.286	74.000	3.808	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0	

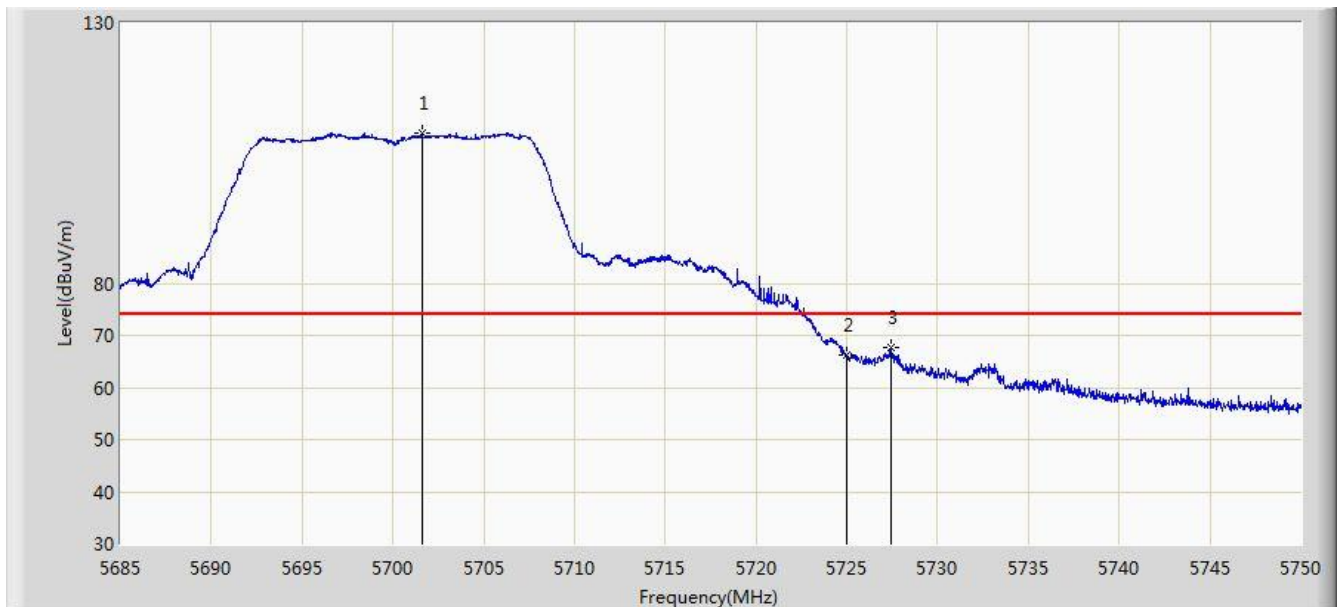


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.700	80.820	77.106	N/A	N/A	3.714	AV
2			5725.000	43.228	39.437	-10.772	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/14 - 22:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0	

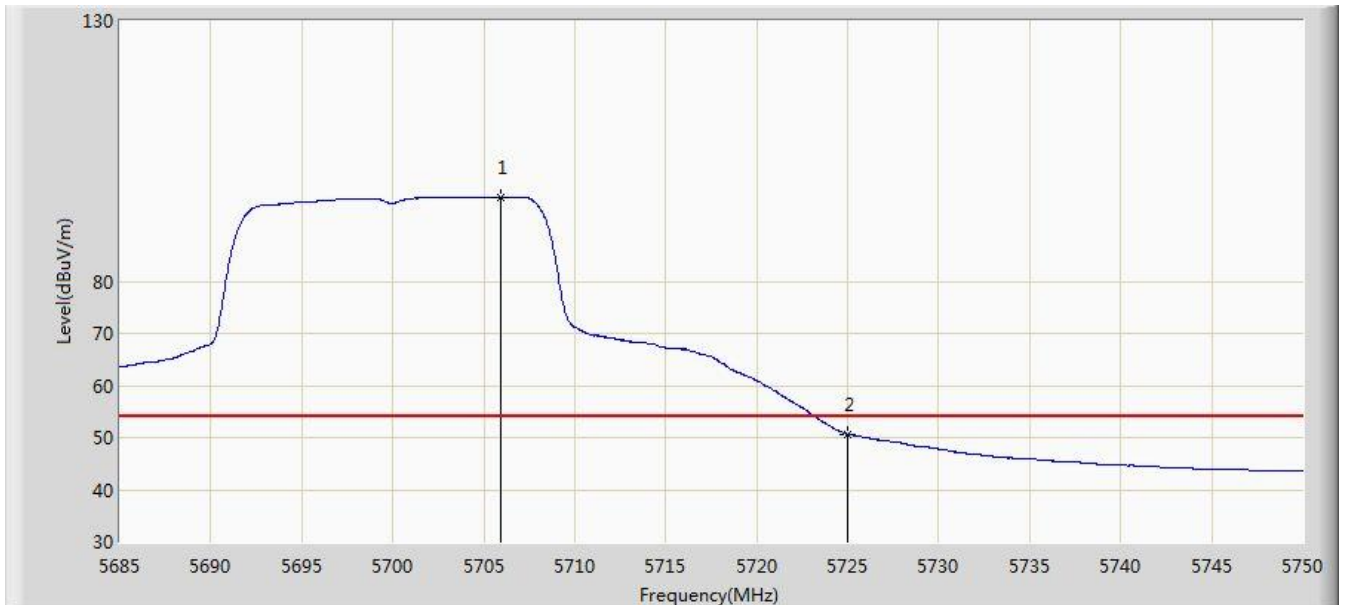


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.607	108.728	105.007	N/A	N/A	3.721	PK
2			5725.000	66.118	62.327	-7.882	74.000	3.791	PK
3			5727.478	67.578	63.780	-6.422	74.000	3.798	PK

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

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

Site: AC1	Time: 2017/04/14 - 22:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0	

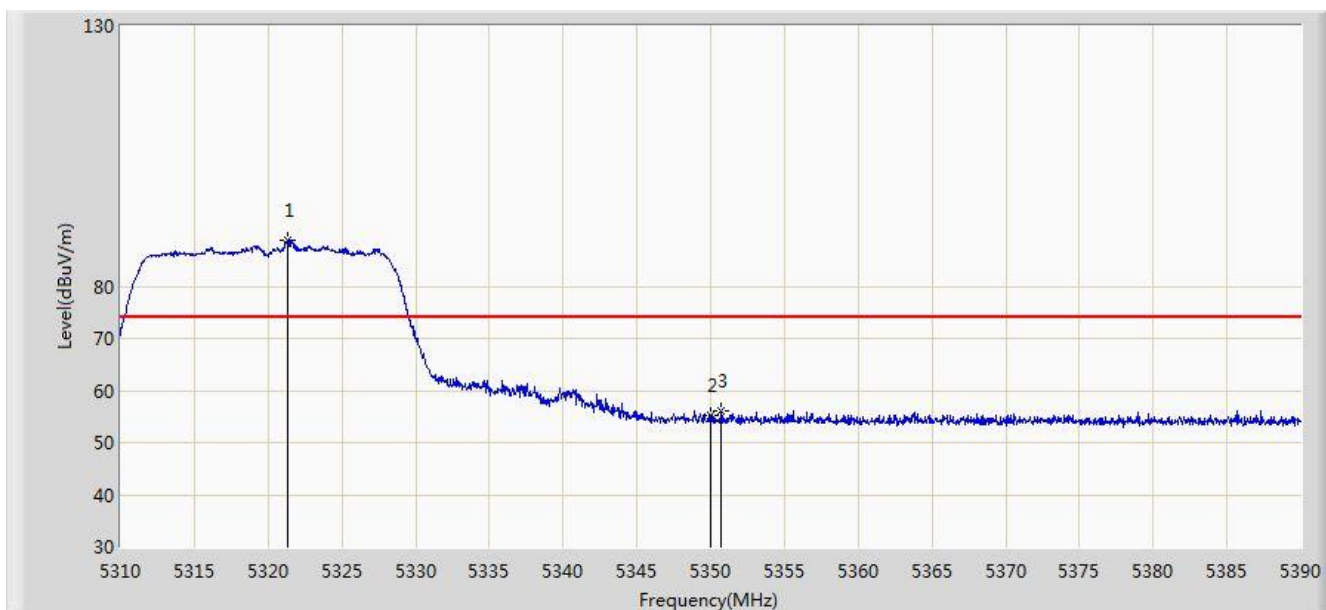


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.897	96.037	92.304	N/A	N/A	3.733	AV
2			5725.000	50.586	46.795	-3.414	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0	

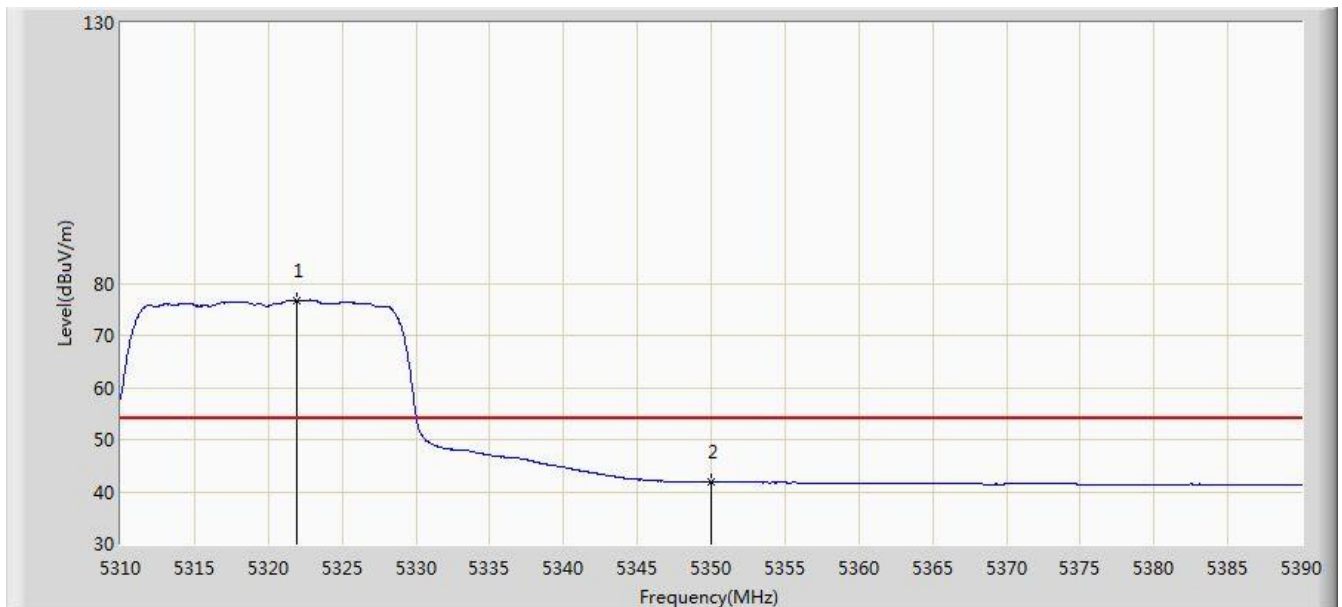


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.320	88.923	85.853	N/A	N/A	3.071	PK
2			5350.000	55.094	52.062	-18.906	74.000	3.032	PK
3			5350.720	56.189	53.157	-17.811	74.000	3.031	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0	

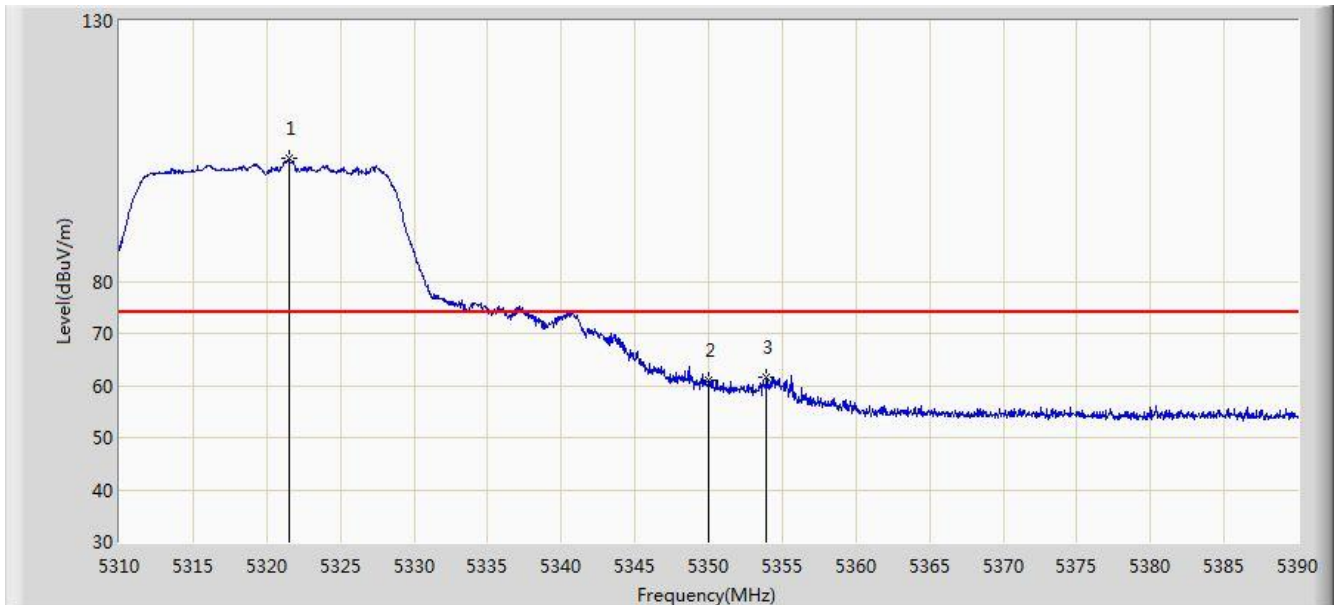


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.880	76.788	73.719	N/A	N/A	3.069	AV
2			5350.000	41.833	38.801	-12.167	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0	

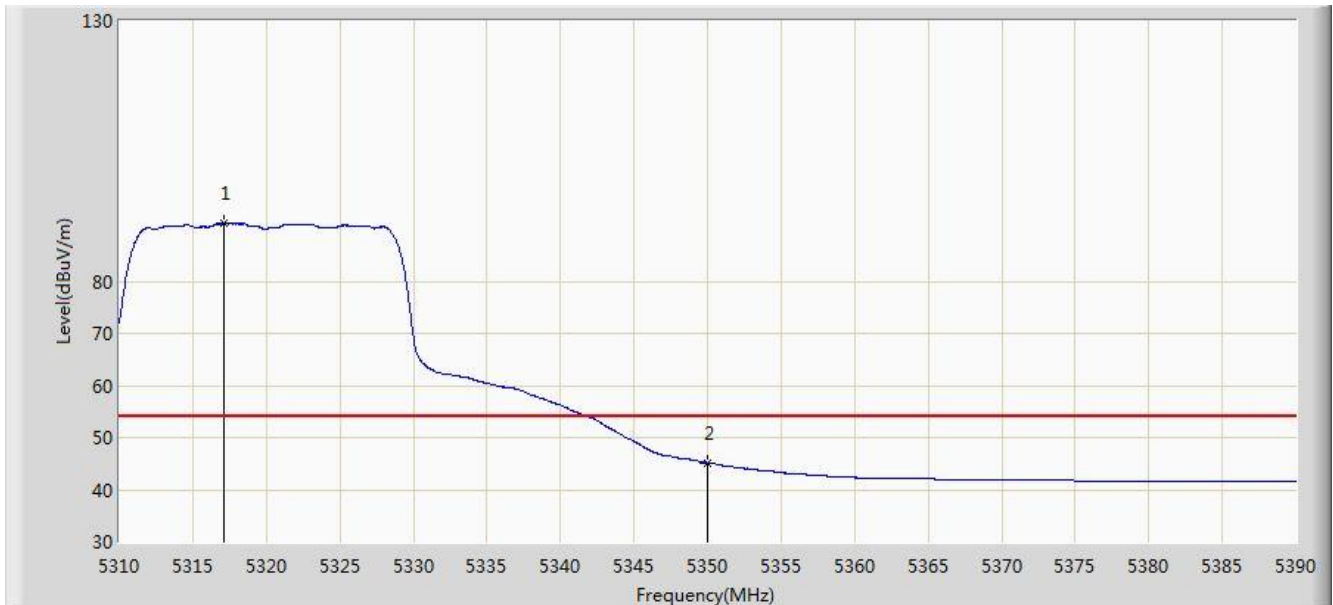


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.480	103.495	100.425	N/A	N/A	3.070	PK
2			5350.000	60.874	57.842	-13.126	74.000	3.032	PK
3			5353.920	61.470	58.442	-12.530	74.000	3.029	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0	

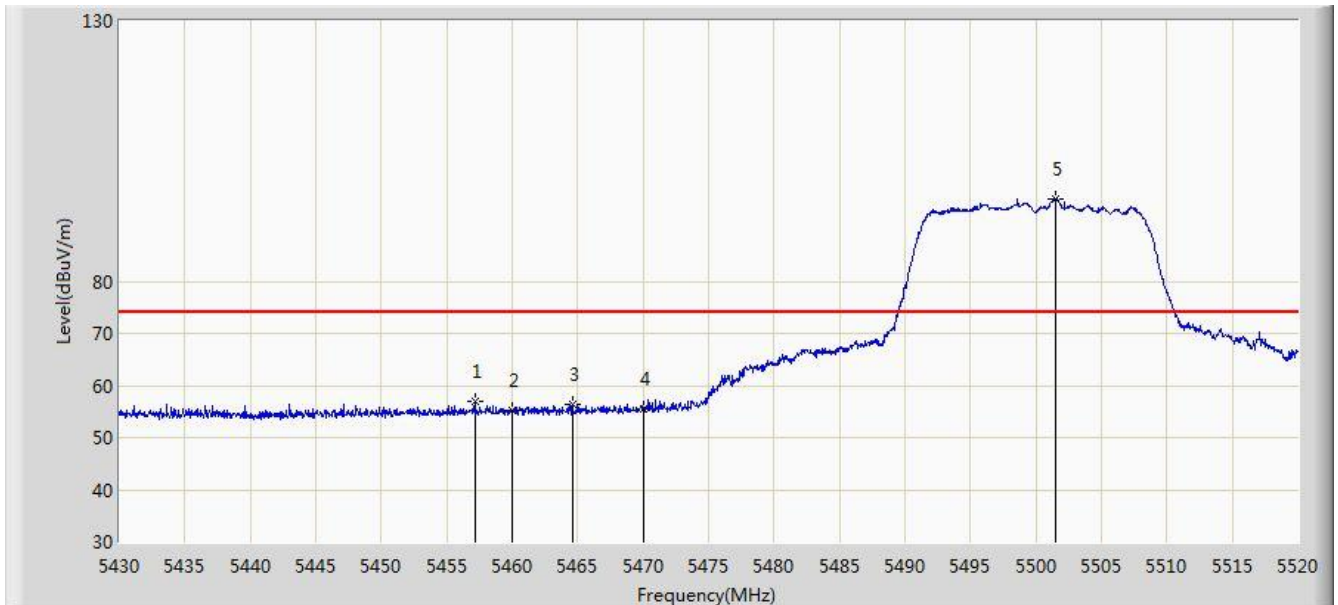


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.160	91.058	87.979	N/A	N/A	3.079	AV
2			5350.000	45.088	42.056	-8.912	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0	

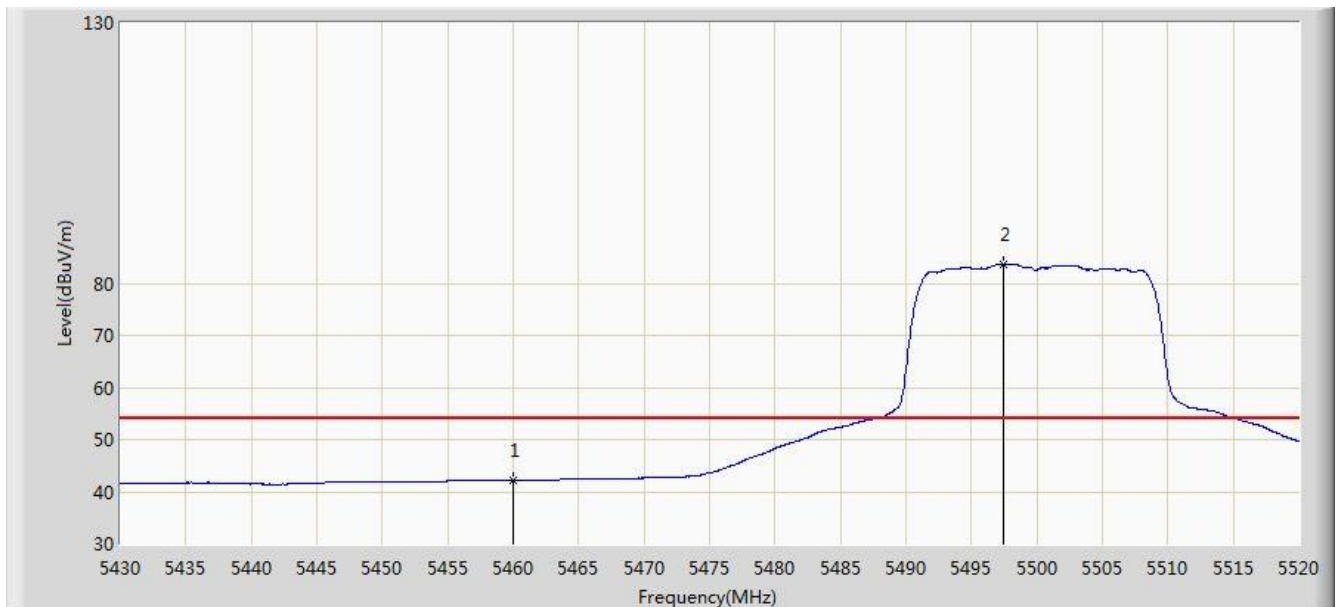


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.135	56.882	53.417	-17.118	74.000	3.465	PK
2			5460.000	55.156	51.674	-18.844	74.000	3.482	PK
3			5464.605	56.436	52.928	-17.564	74.000	3.509	PK
4			5470.000	55.445	51.906	-18.555	74.000	3.539	PK
5		*	5501.460	95.810	92.285	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0	

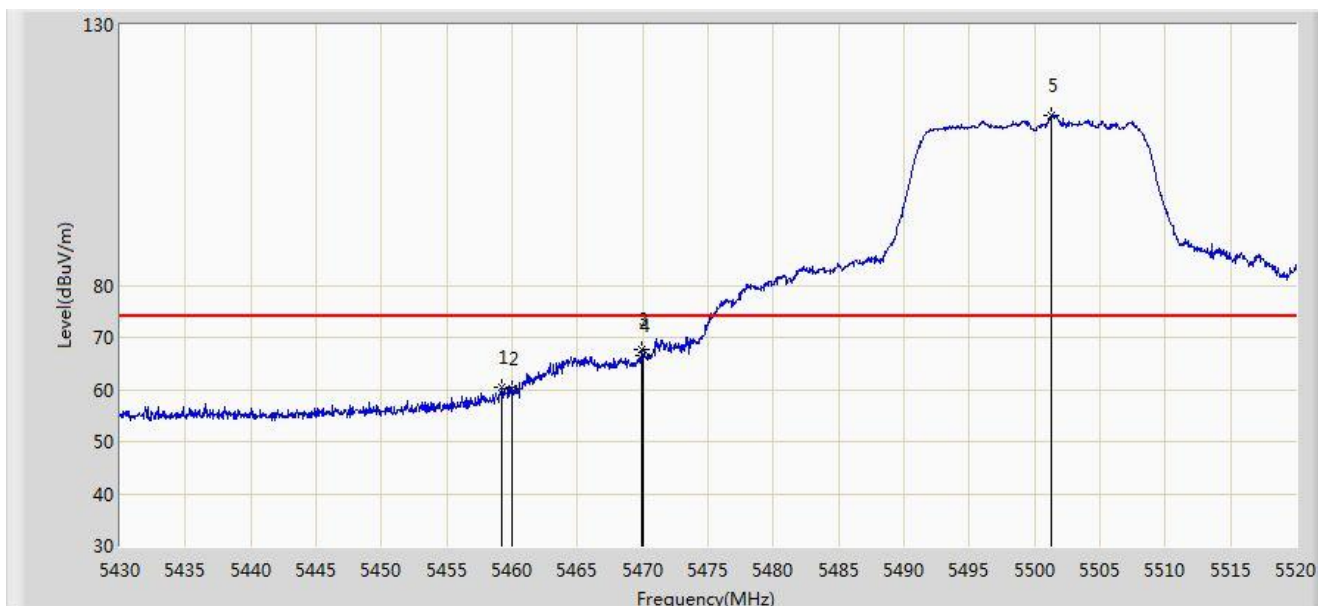


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.192	38.710	-11.808	54.000	3.482	AV
2		*	5497.410	83.643	80.114	N/A	N/A	3.530	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.250	60.542	57.065	-13.458	74.000	3.477	PK
2			5460.000	60.038	56.556	-13.962	74.000	3.482	PK
3			5469.960	67.545	64.006	-6.455	74.000	3.539	PK
4			5470.000	66.382	62.843	-7.618	74.000	3.539	PK
5		*	5501.235	112.551	109.026	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0	

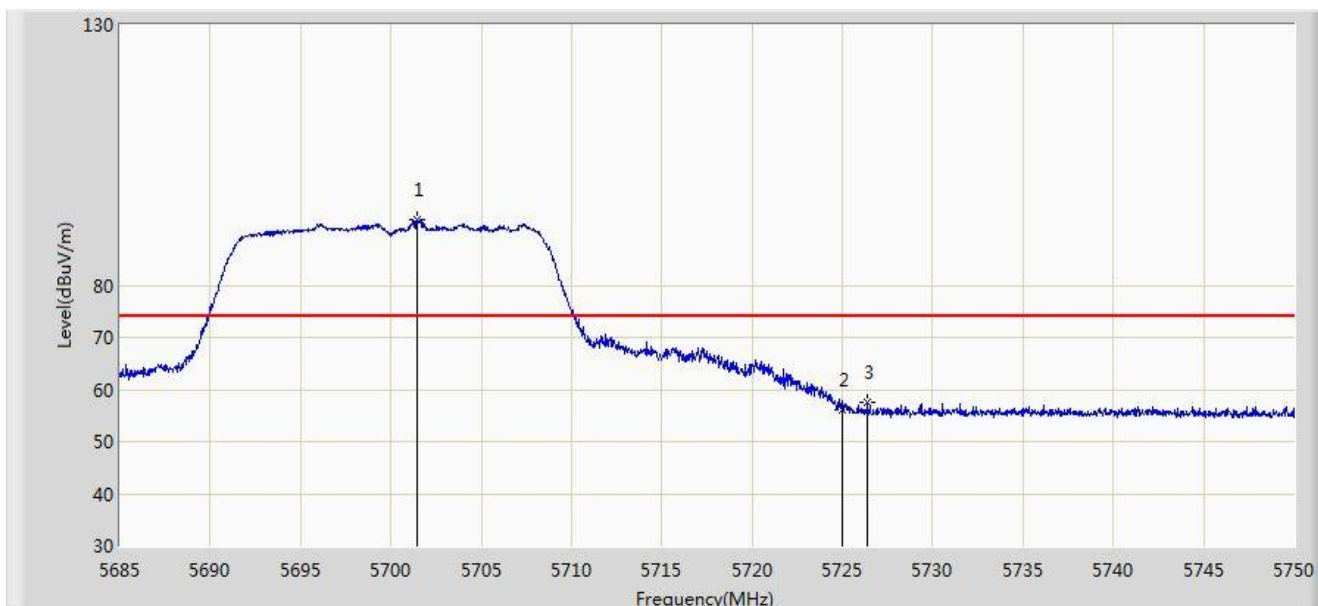


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.091	41.609	-8.909	54.000	3.482	AV
2		*	5502.720	100.353	96.830	N/A	N/A	3.523	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0	

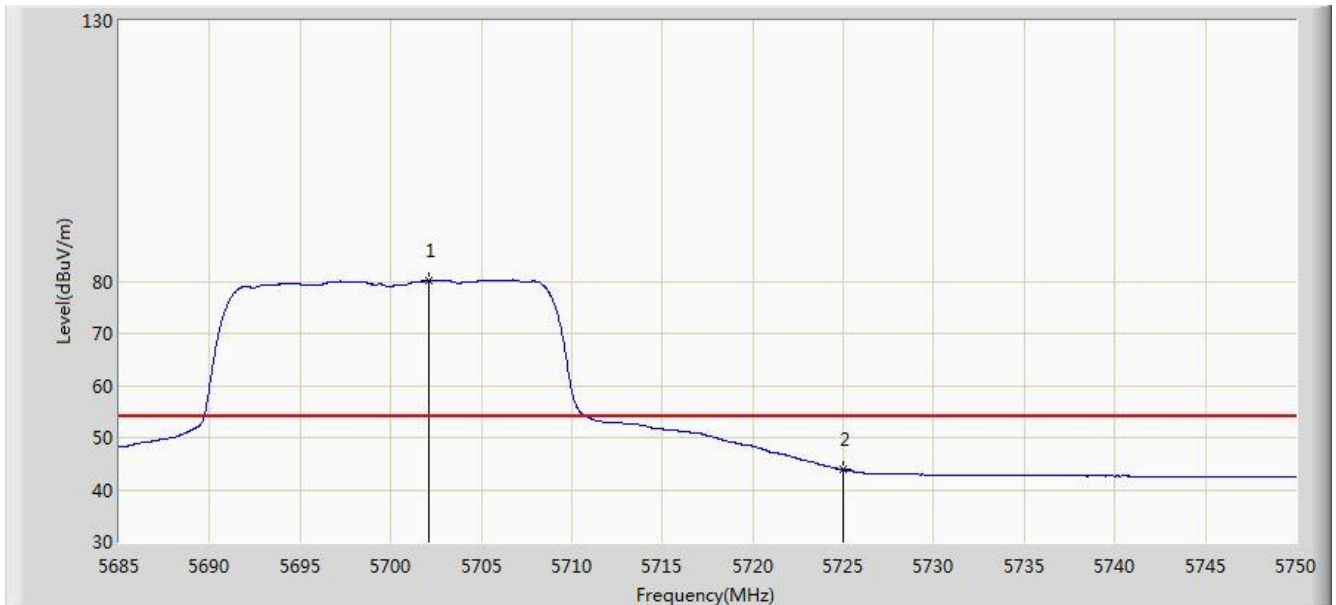


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.445	92.740	89.019	N/A	N/A	3.721	PK
2			5725.000	56.164	52.373	-17.836	74.000	3.791	PK
3			5726.373	57.638	53.843	-16.362	74.000	3.795	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0	

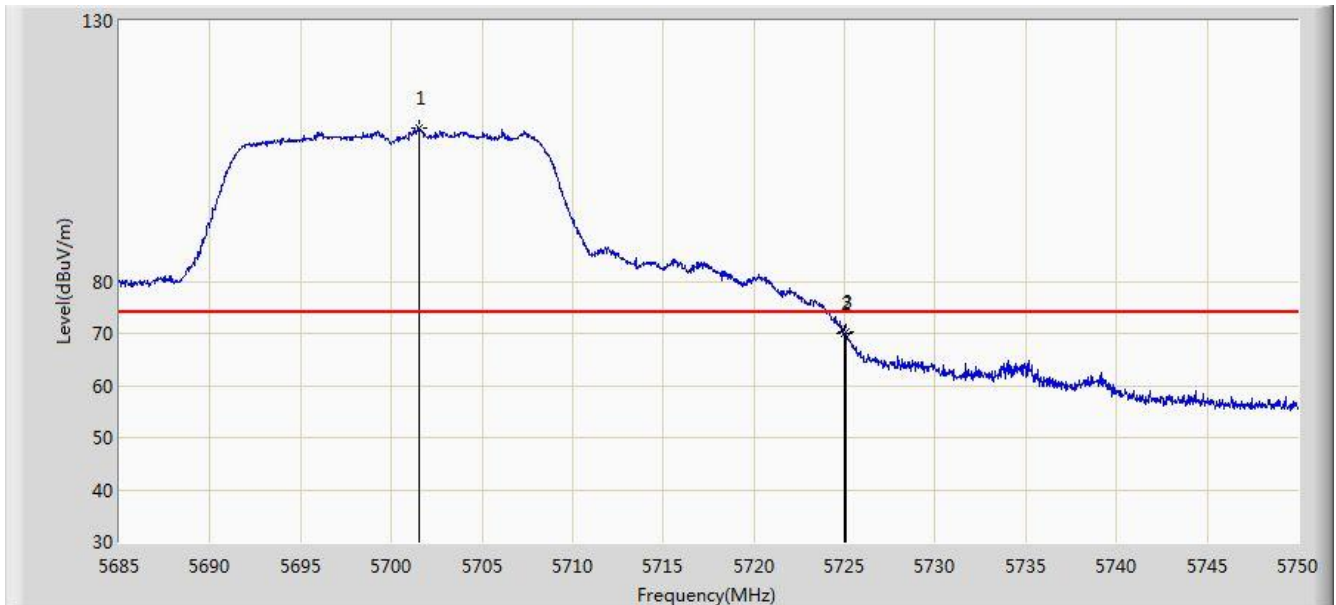


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.127	80.060	76.338	N/A	N/A	3.722	AV
2			5725.000	43.878	40.087	-10.122	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0	

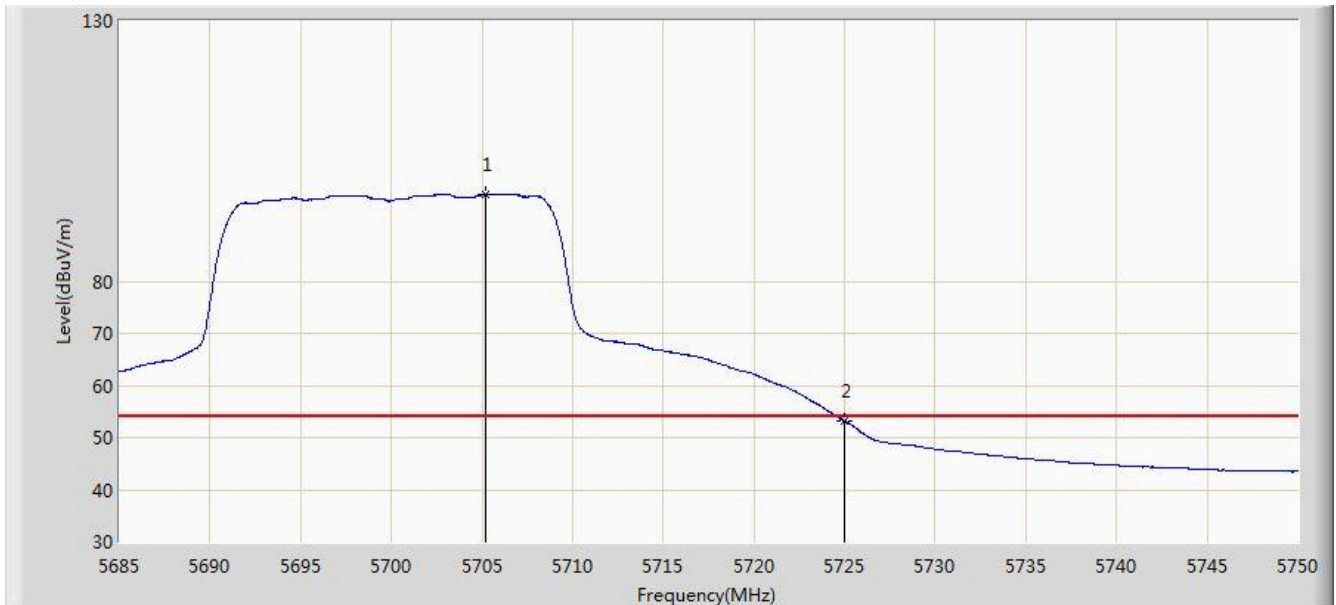


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.542	109.390	105.669	N/A	N/A	3.720	PK
2			5725.000	69.859	66.068	-4.141	74.000	3.791	PK
3			5725.072	70.145	66.354	-3.855	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0	

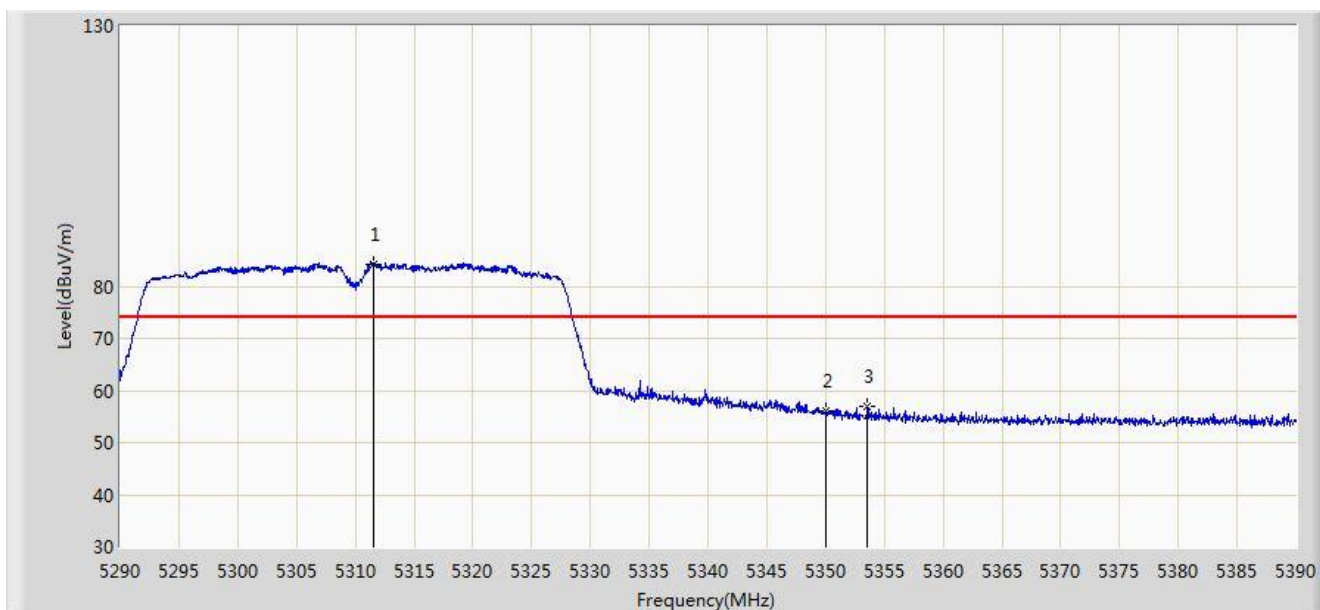


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.183	96.666	92.935	N/A	N/A	3.731	AV
2			5725.000	53.178	49.387	-0.822	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0	

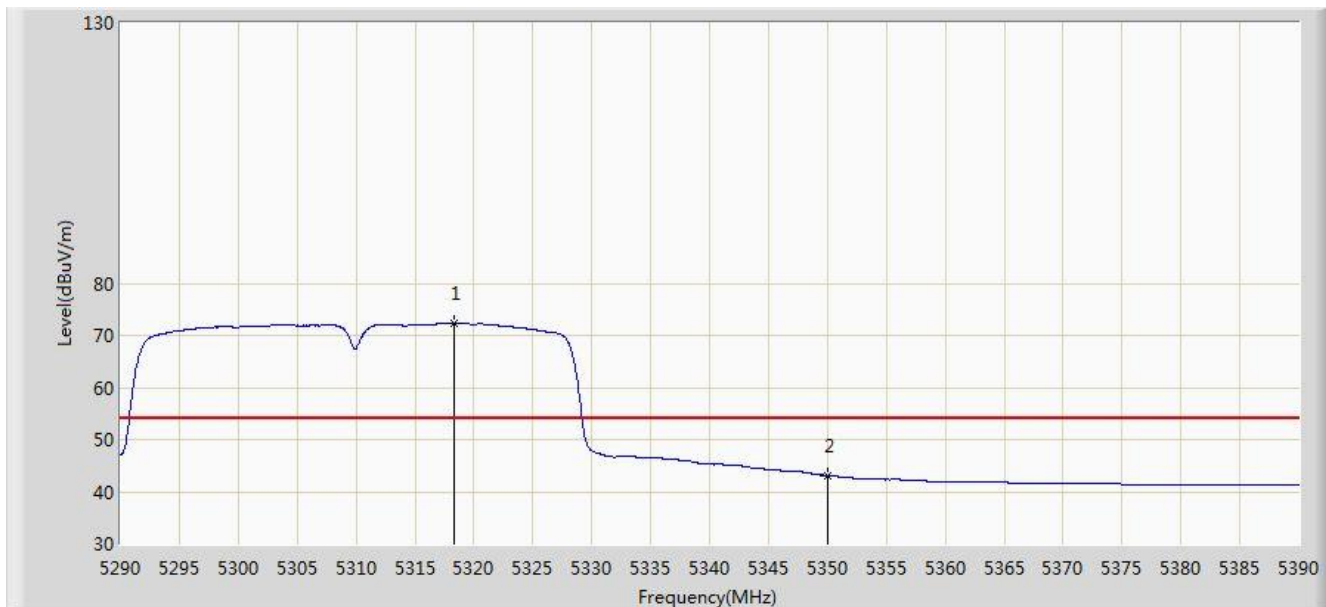


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5311.600	84.255	81.164	N/A	N/A	3.091	PK
2			5350.000	56.143	53.111	-17.857	74.000	3.032	PK
3			5353.550	56.882	53.853	-17.118	74.000	3.028	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0	

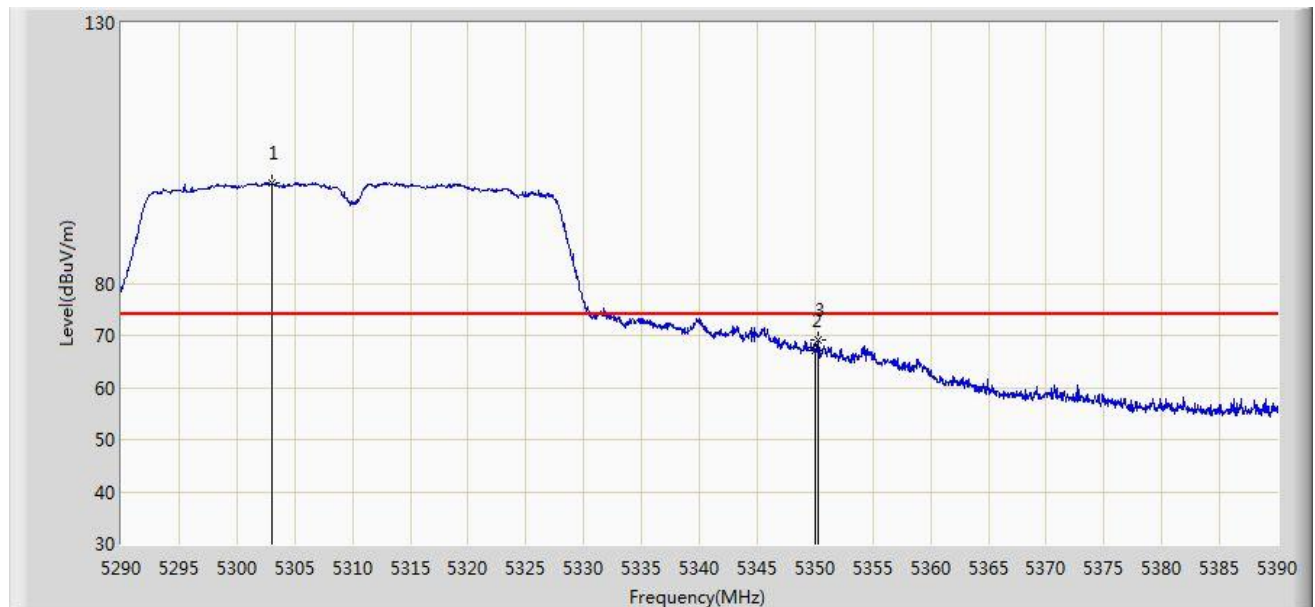


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.350	72.226	69.150	N/A	N/A	3.077	AV
2			5350.000	43.097	40.065	-10.903	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0	

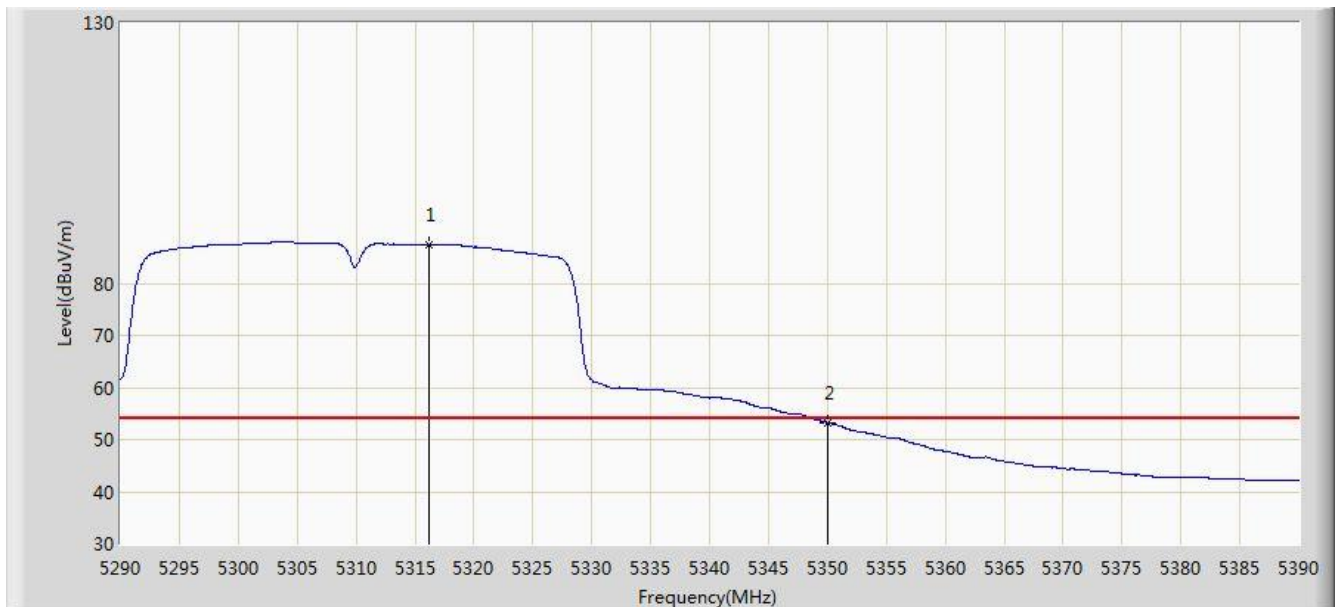


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5303.050	99.196	96.082	N/A	N/A	3.114	PK
2			5350.000	67.015	63.983	-6.985	74.000	3.032	PK
3			5350.300	69.008	65.976	-4.992	74.000	3.033	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0	

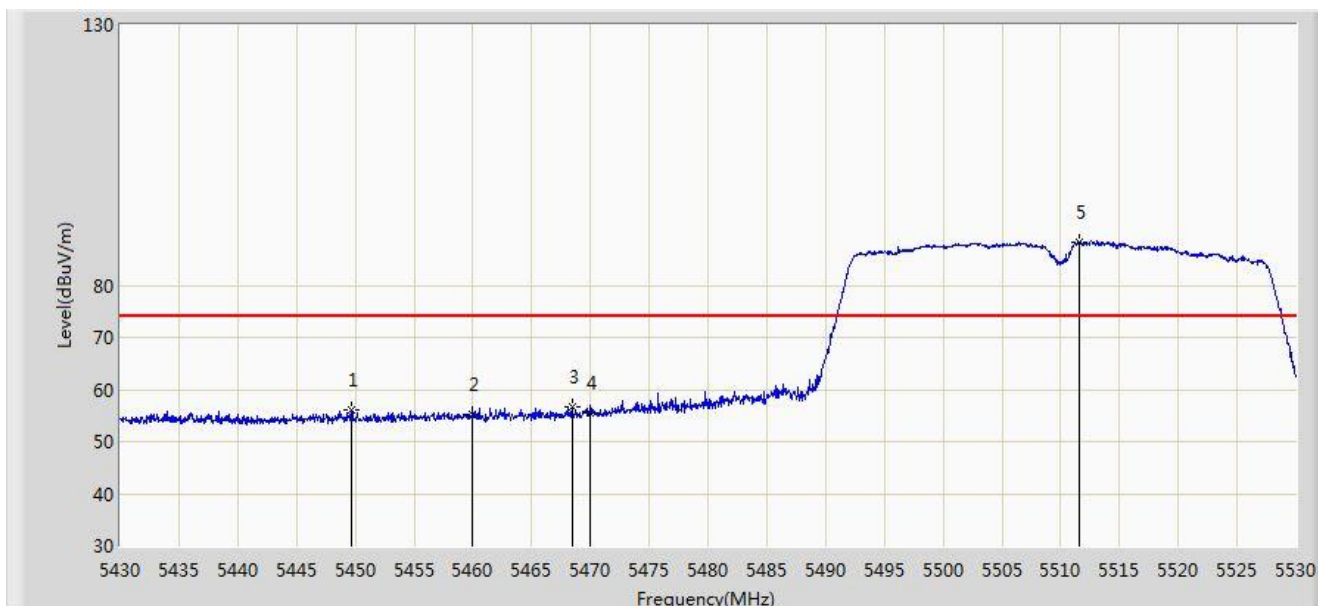


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.250	87.432	84.351	N/A	N/A	3.081	AV
2			5350.000	53.284	50.252	-0.716	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0	

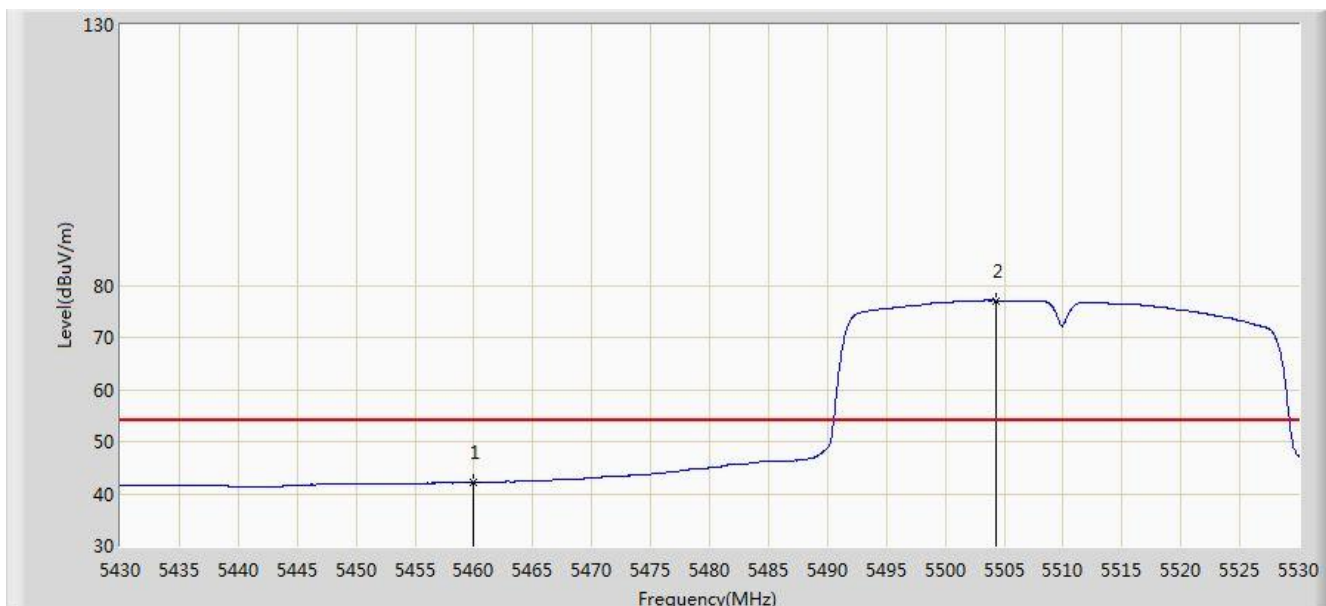


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.650	55.967	52.541	-18.033	74.000	3.426	PK
2			5460.000	55.284	51.802	-18.716	74.000	3.482	PK
3			5468.450	56.583	53.053	-17.417	74.000	3.531	PK
4			5470.000	55.476	51.937	-18.524	74.000	3.539	PK
5		*	5511.600	88.272	84.758	N/A	N/A	3.514	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0	

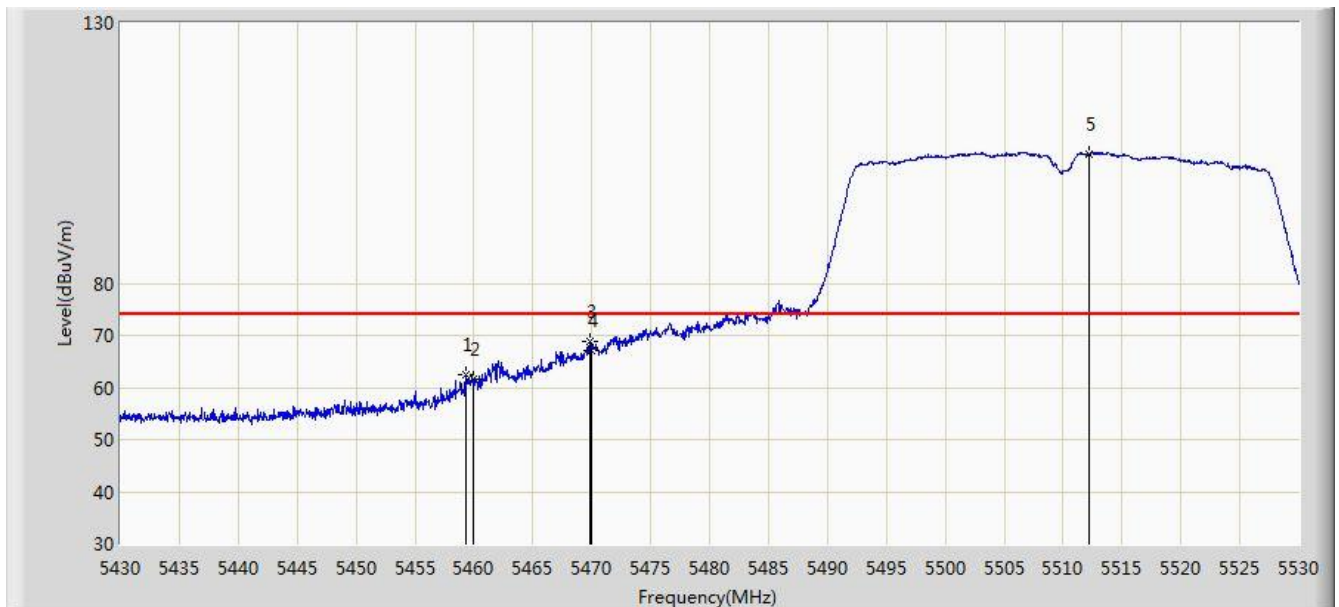


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.147	38.665	-11.853	54.000	3.482	AV
2		*	5504.300	77.097	73.575	N/A	N/A	3.522	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0	

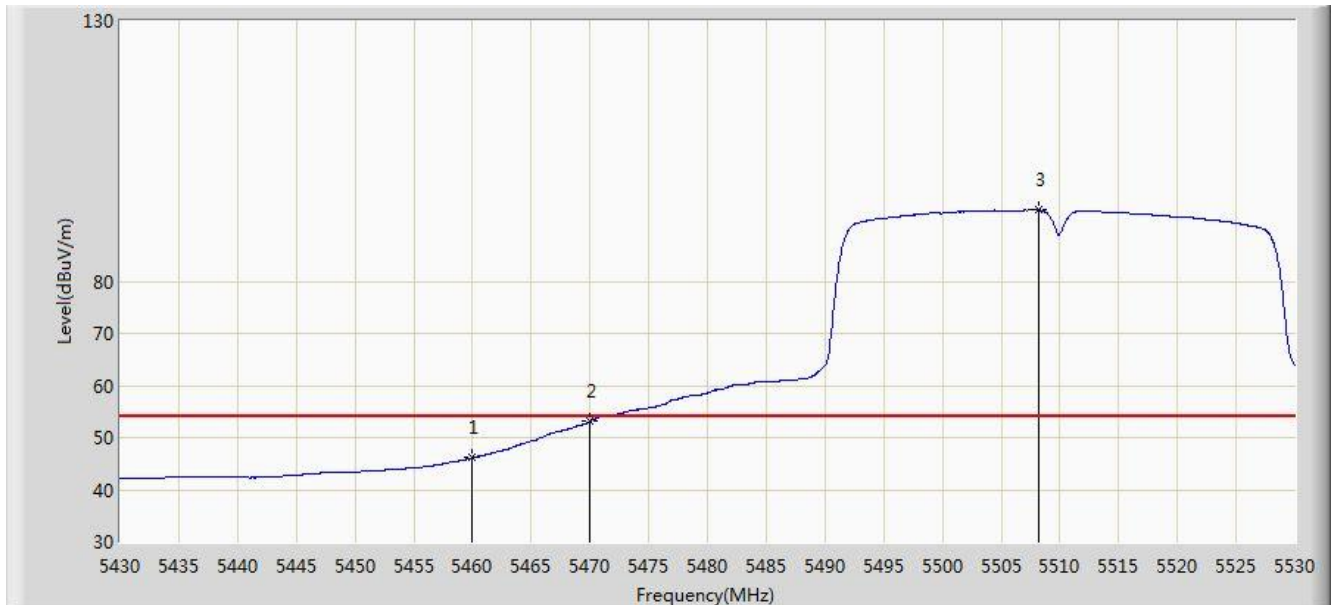


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.350	62.597	59.119	-11.403	74.000	3.477	PK
2			5460.000	61.587	58.105	-12.413	74.000	3.482	PK
3			5469.900	68.778	65.239	-5.222	74.000	3.539	PK
4			5470.000	67.137	63.598	-6.863	74.000	3.539	PK
5		*	5512.200	104.830	101.317	N/A	N/A	3.513	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0	

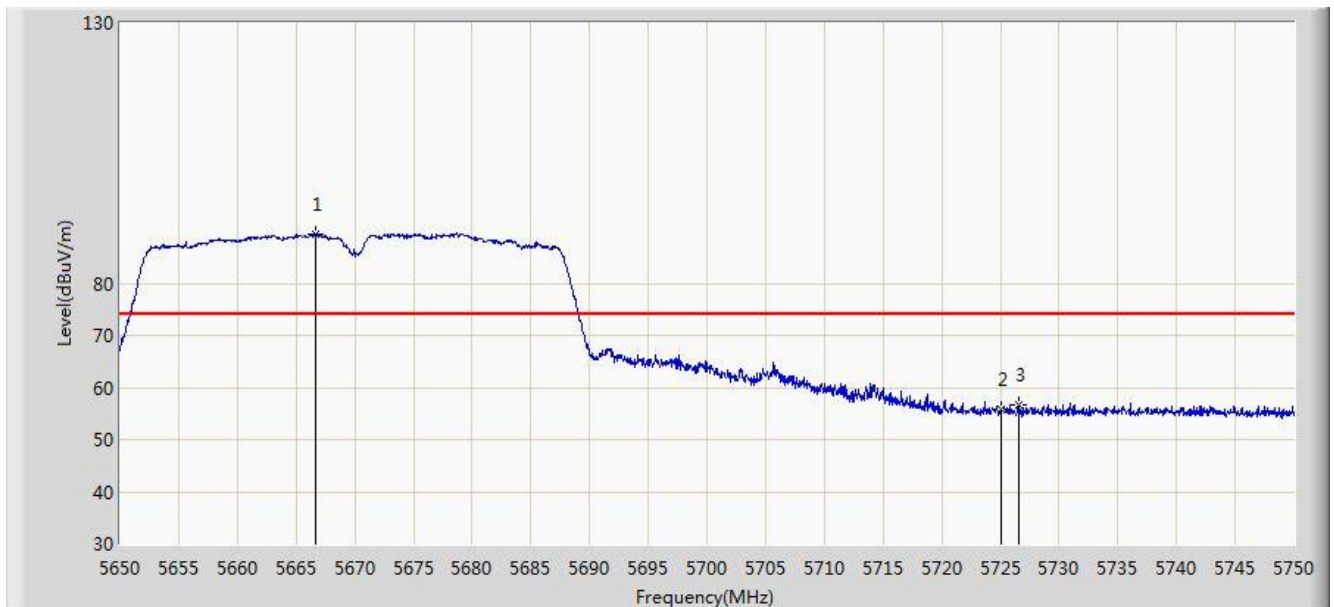


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.099	42.617	-7.901	54.000	3.482	AV
2			5470.000	53.082	49.543	-0.918	54.000	3.539	AV
3		*	5508.150	93.676	90.159	N/A	N/A	3.517	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0	

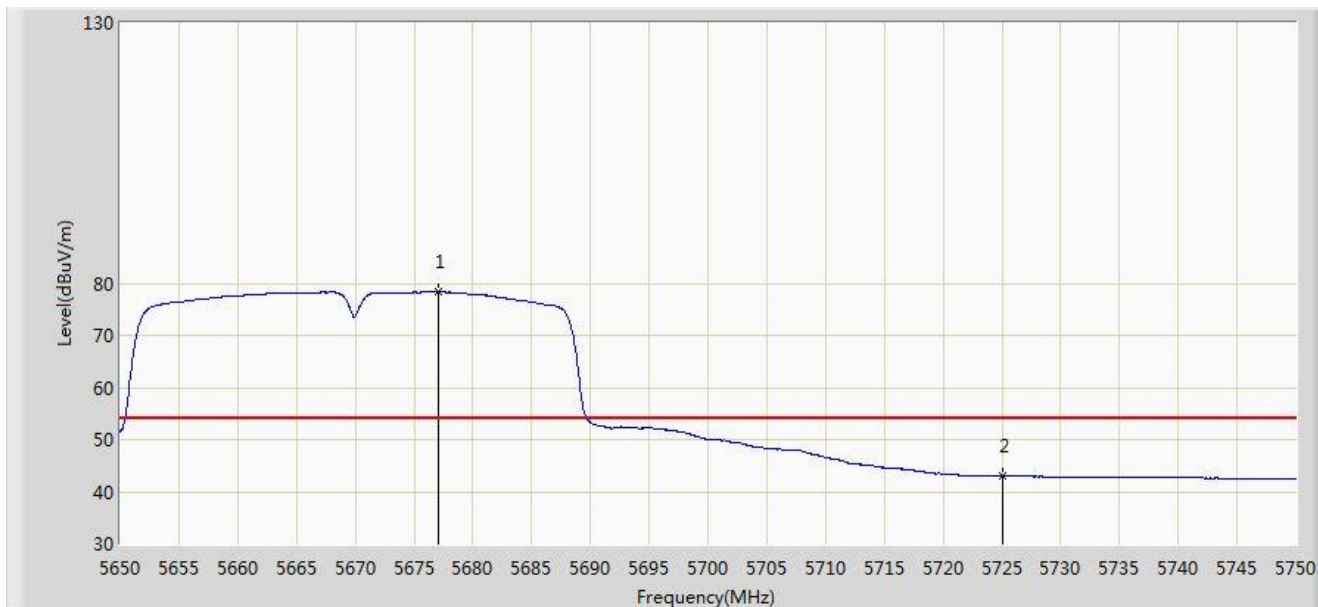


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5666.650	89.470	85.814	N/A	N/A	3.656	PK
2			5725.000	55.693	51.902	-18.307	74.000	3.791	PK
3			5726.600	56.799	53.003	-17.201	74.000	3.795	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0	

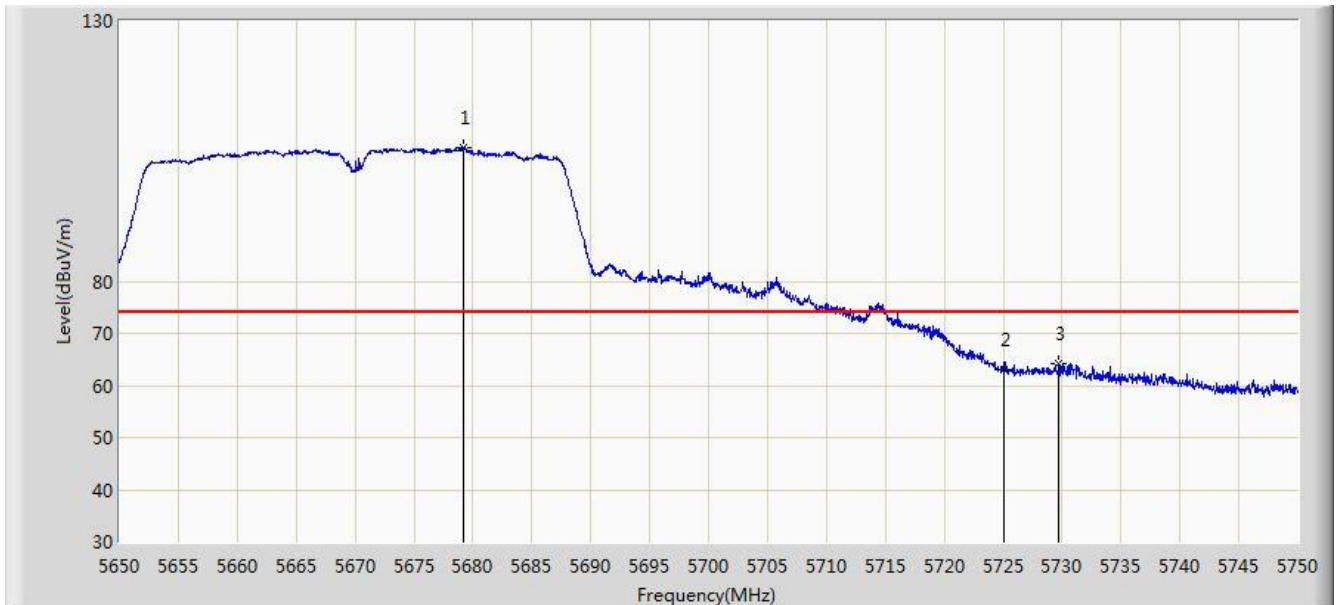


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5677.100	78.327	74.654	N/A	N/A	3.673	AV
2			5725.000	42.957	39.166	-11.043	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/14 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0	

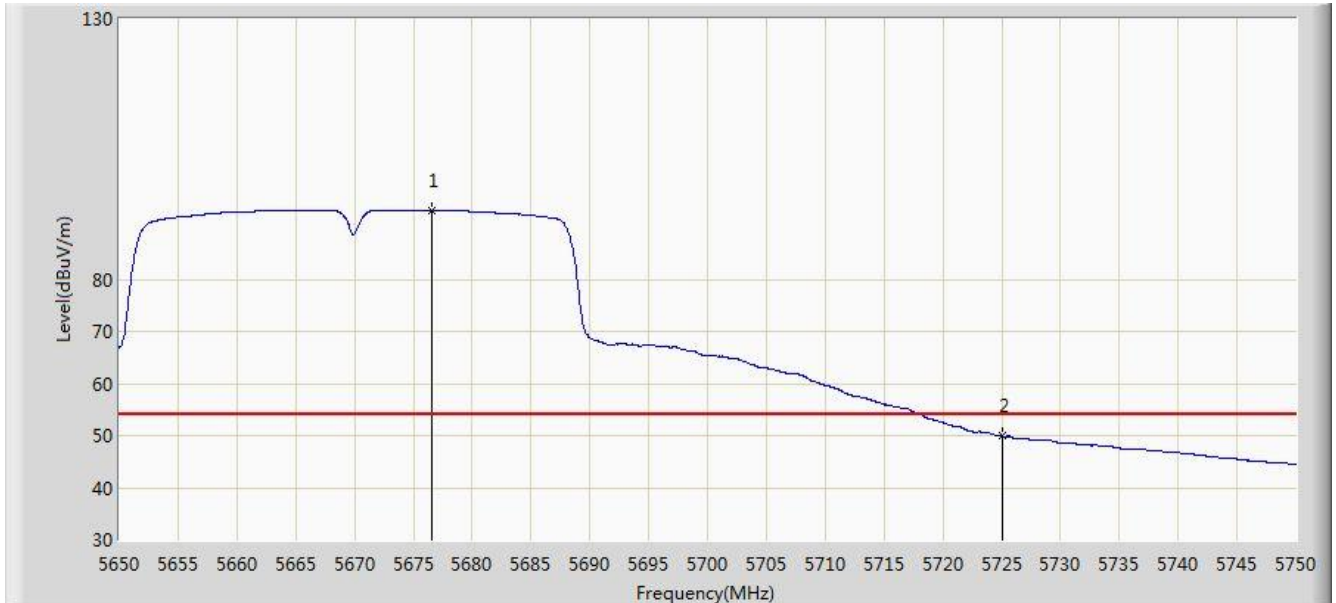


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5679.250	105.687	102.009	N/A	N/A	3.679	PK
2			5725.000	63.155	59.364	-10.845	74.000	3.791	PK
3			5729.750	64.208	60.402	-9.792	74.000	3.805	PK

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

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

Site: AC1	Time: 2017/04/14 - 23:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0	

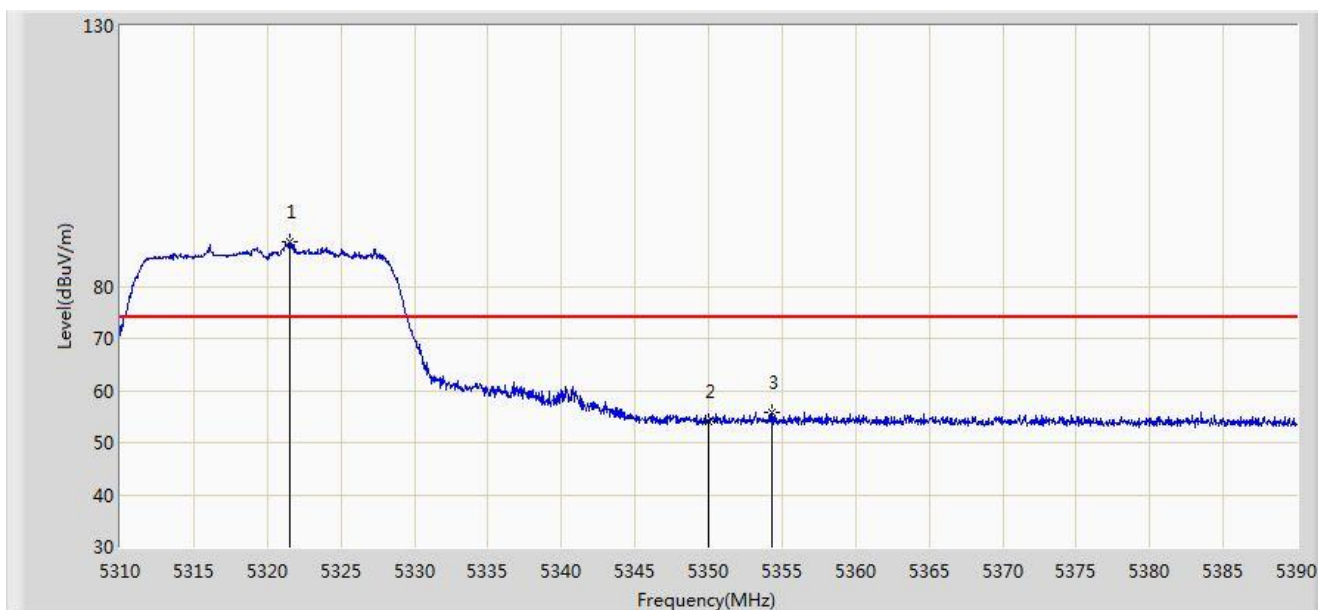


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5676.600	93.330	89.658	N/A	N/A	3.672	AV
2			5725.000	49.905	46.114	-4.095	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0	

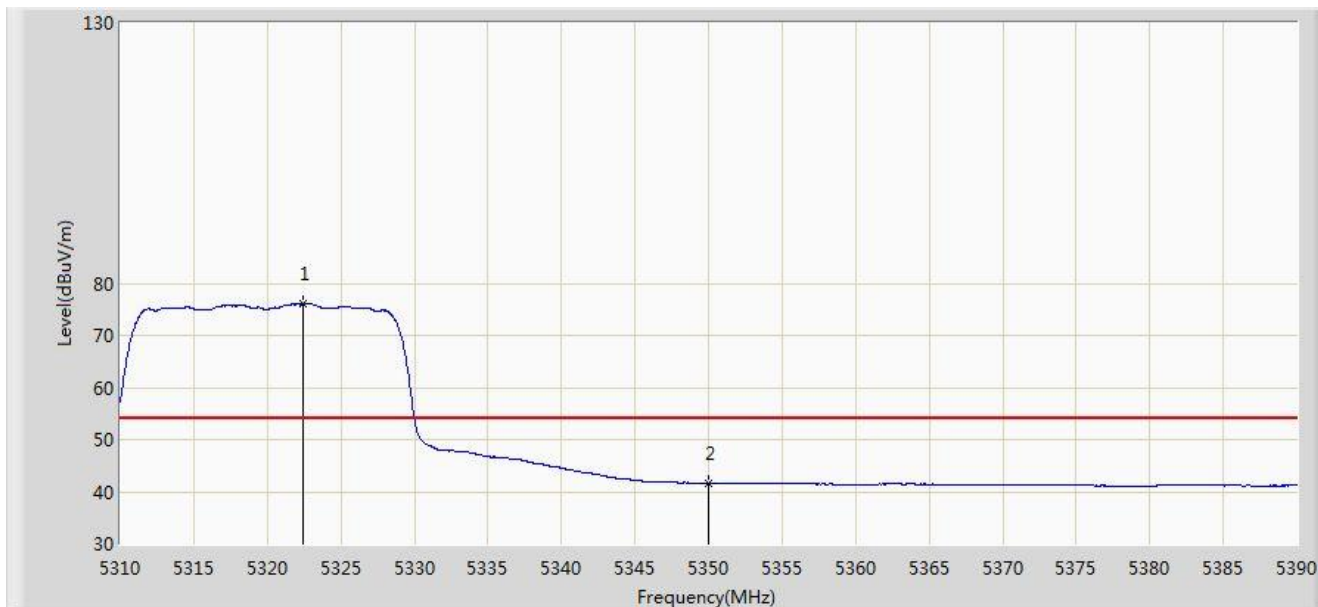


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.560	88.689	85.619	N/A	N/A	3.071	PK
2			5350.000	53.916	50.884	-20.084	74.000	3.032	PK
3			5354.360	55.888	52.860	-18.112	74.000	3.028	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0	

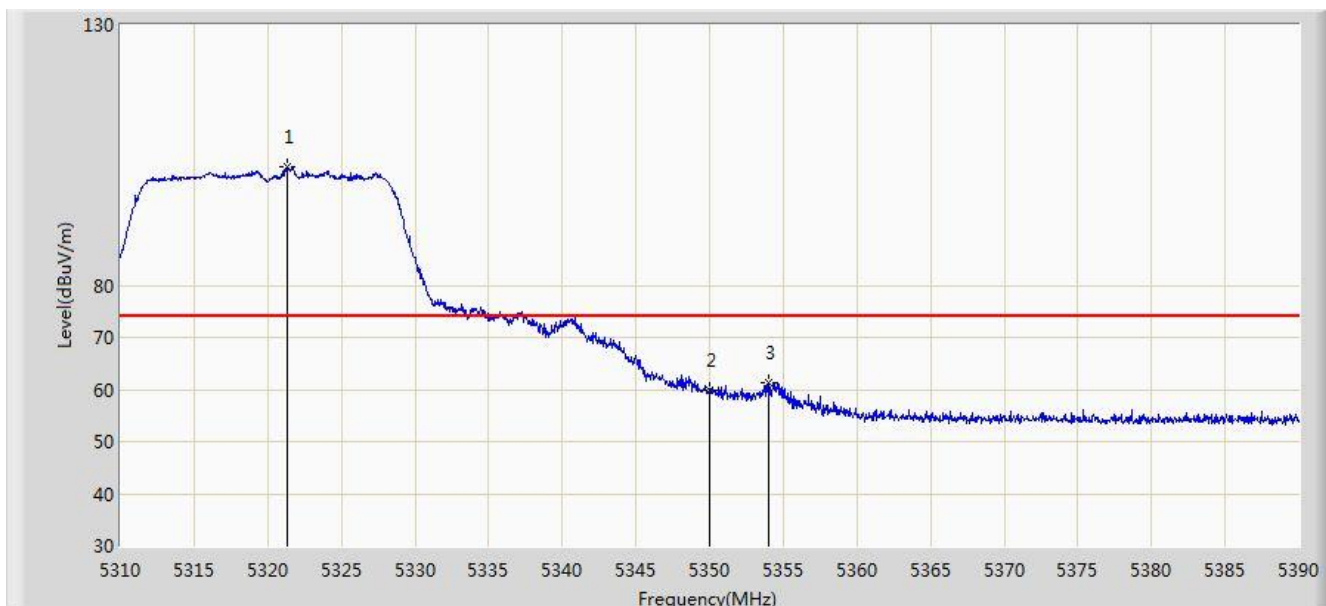


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.400	75.977	72.909	N/A	N/A	3.068	AV
2			5350.000	41.680	38.648	-12.320	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0	

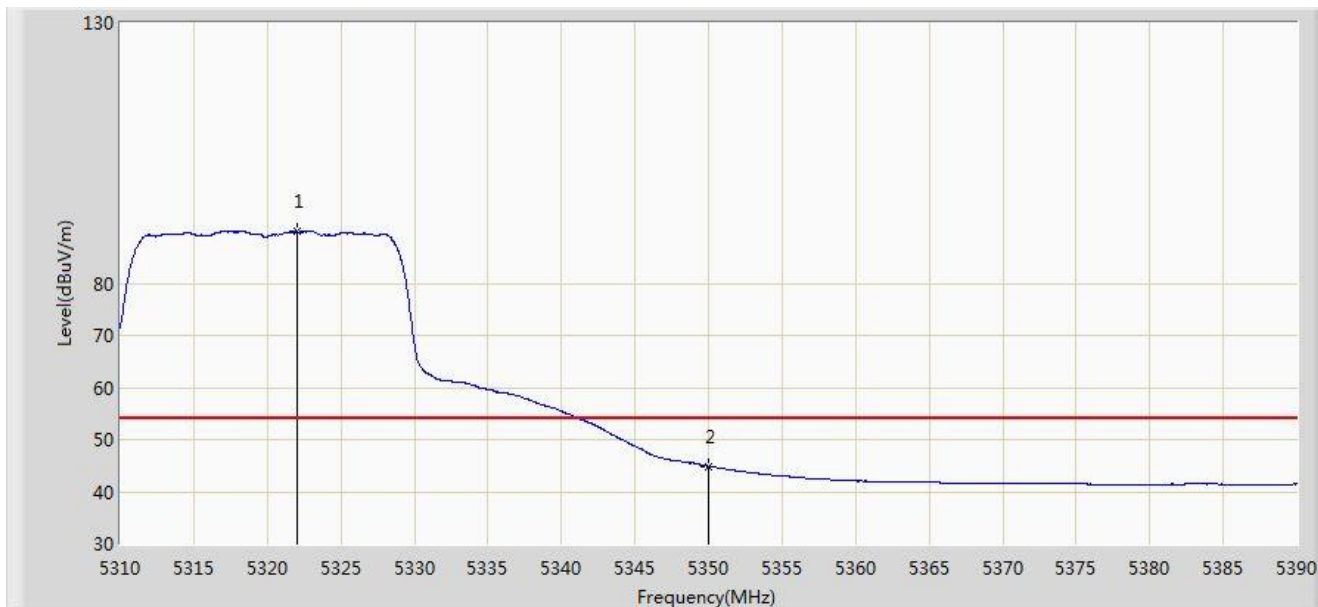


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.360	102.840	99.770	N/A	N/A	3.070	PK
2			5350.000	59.901	56.869	-14.099	74.000	3.032	PK
3			5354.040	61.263	58.235	-12.737	74.000	3.028	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0	

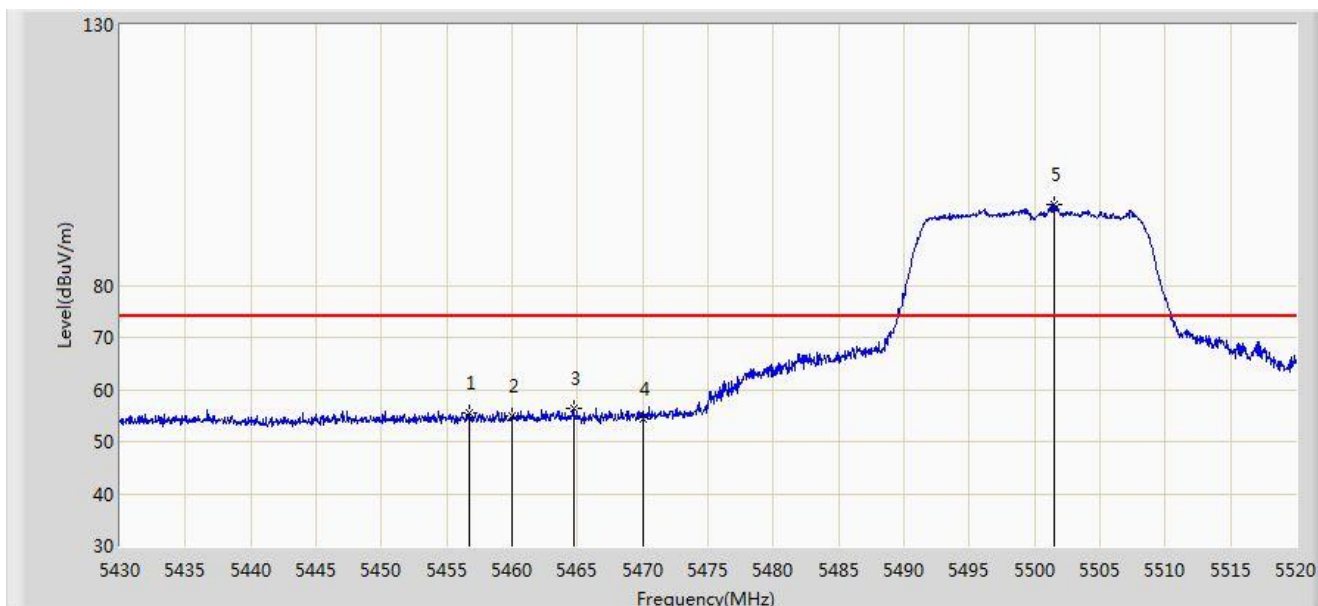


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.000	89.861	86.792	N/A	N/A	3.069	AV
2			5350.000	44.827	41.795	-9.173	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0	

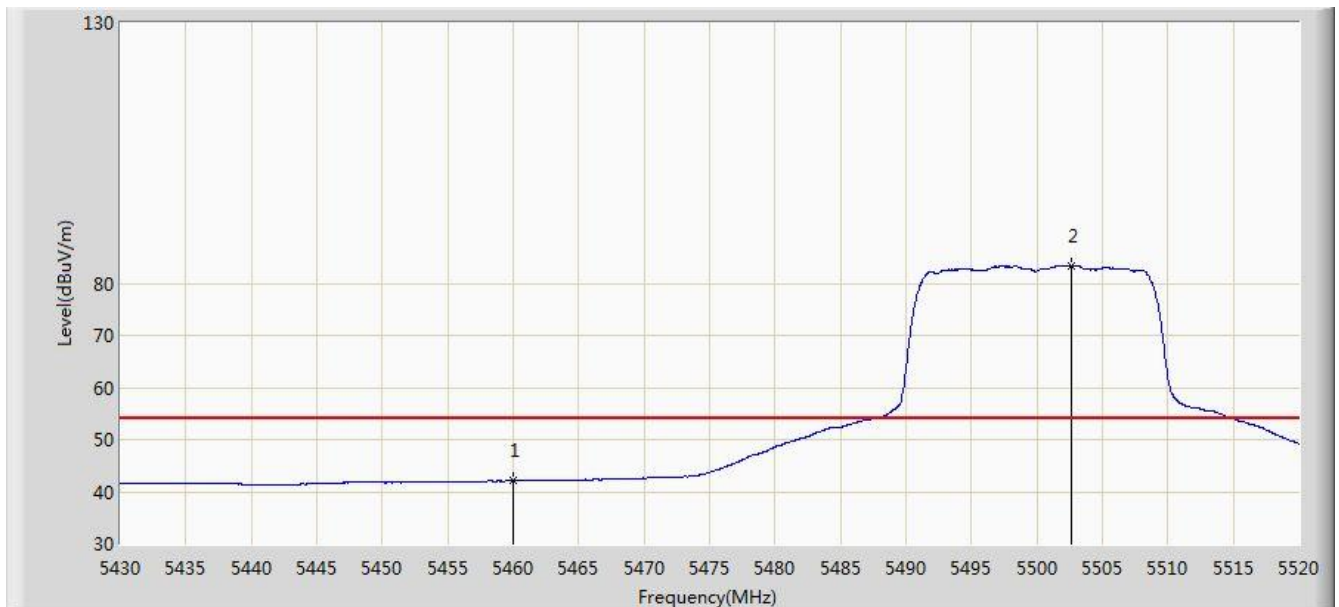


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.730	55.572	52.109	-18.428	74.000	3.463	PK
2			5460.000	54.806	51.324	-19.194	74.000	3.482	PK
3			5464.740	56.442	52.933	-17.558	74.000	3.509	PK
4			5470.000	54.265	50.726	-19.735	74.000	3.539	PK
5		*	5501.550	95.448	91.923	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0	

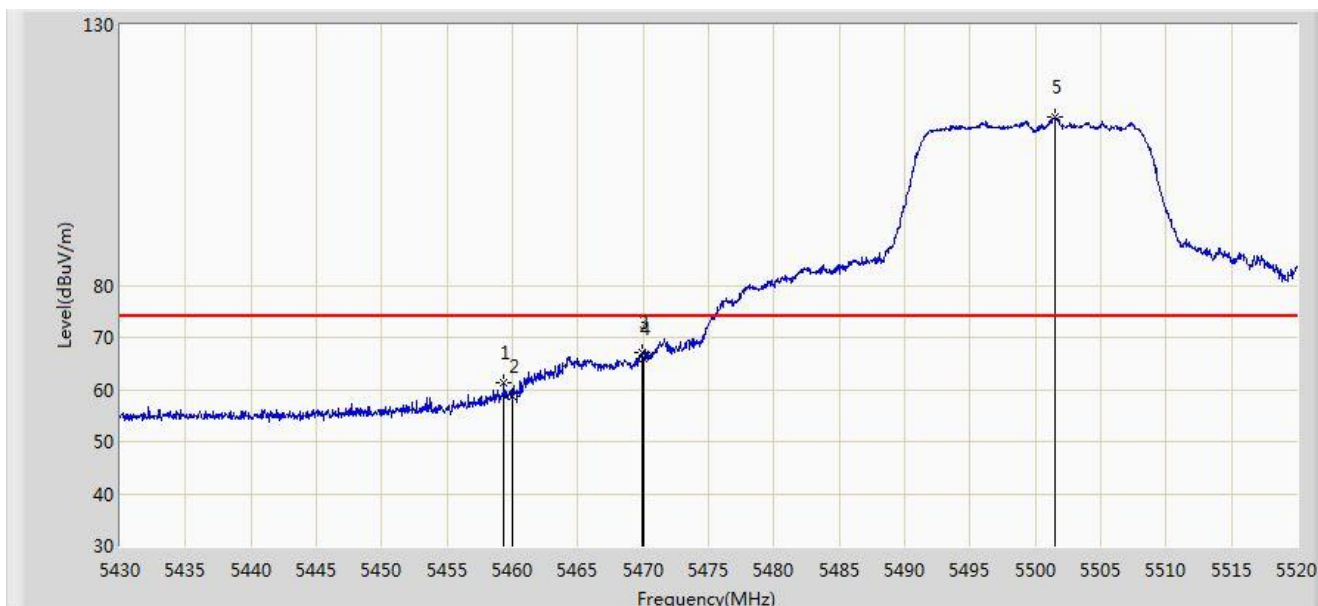


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.082	38.600	-11.918	54.000	3.482	AV
2		*	5502.675	83.268	79.745	N/A	N/A	3.523	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0	

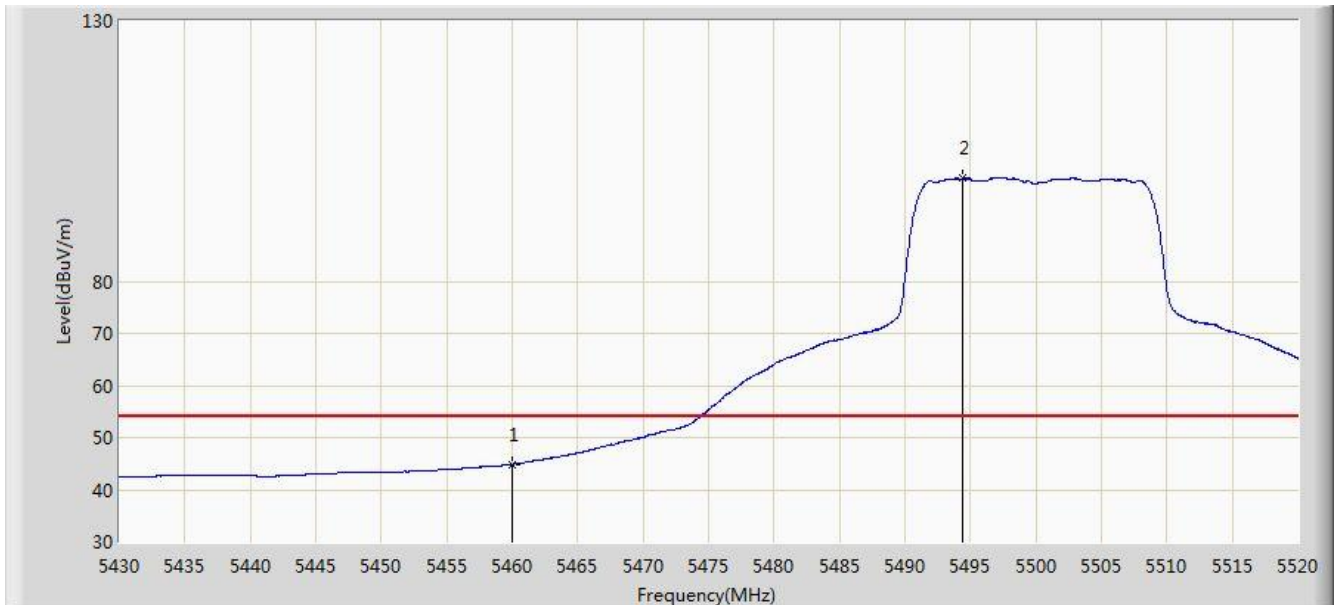


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.340	61.186	57.708	-12.814	74.000	3.477	PK
2			5460.000	58.553	55.071	-15.447	74.000	3.482	PK
3			5469.870	67.241	63.702	-6.759	74.000	3.538	PK
4			5470.000	66.037	62.498	-7.963	74.000	3.539	PK
5		*	5501.460	112.422	108.897	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0	

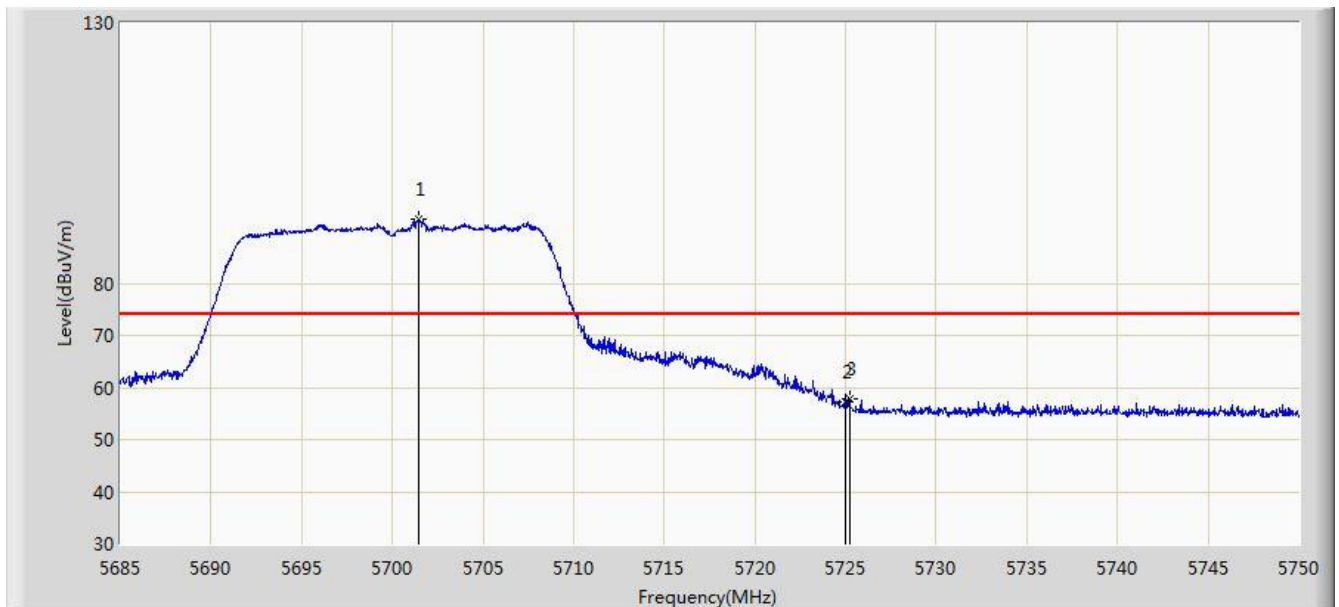


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.896	41.414	-9.104	54.000	3.482	AV
2		*	5494.395	99.728	96.196	N/A	N/A	3.532	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0	

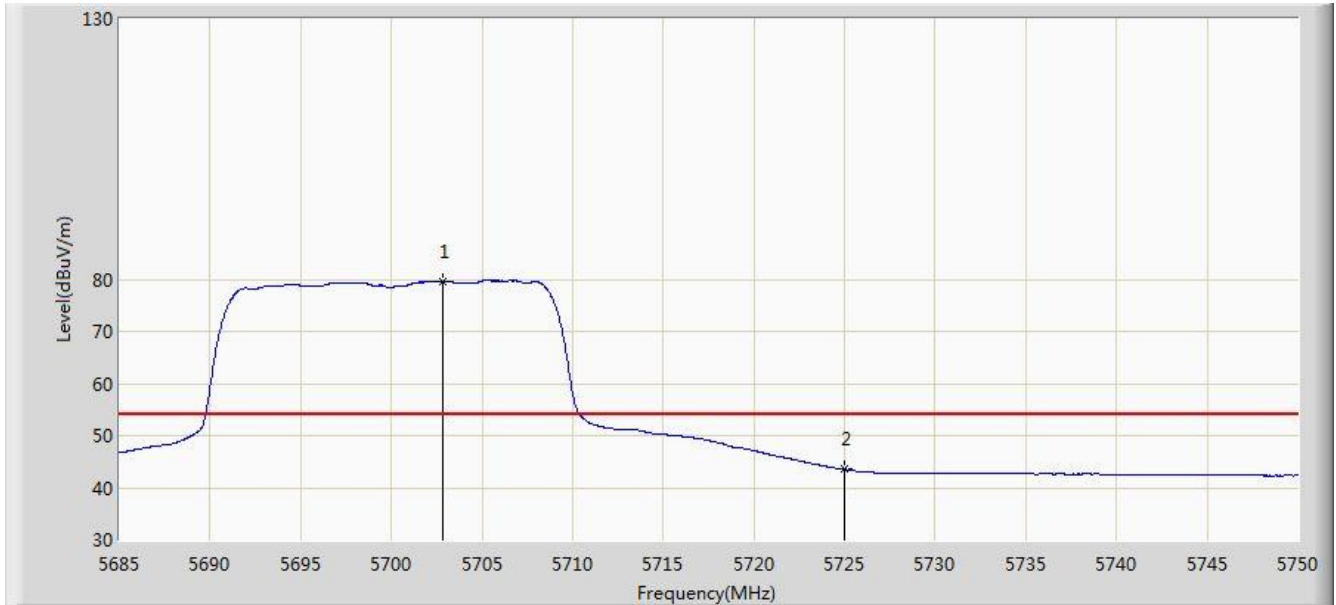


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.445	92.364	88.643	N/A	N/A	3.721	PK
2			5725.000	57.233	53.442	-16.767	74.000	3.791	PK
3			5725.203	57.692	53.901	-16.308	74.000	3.792	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0	

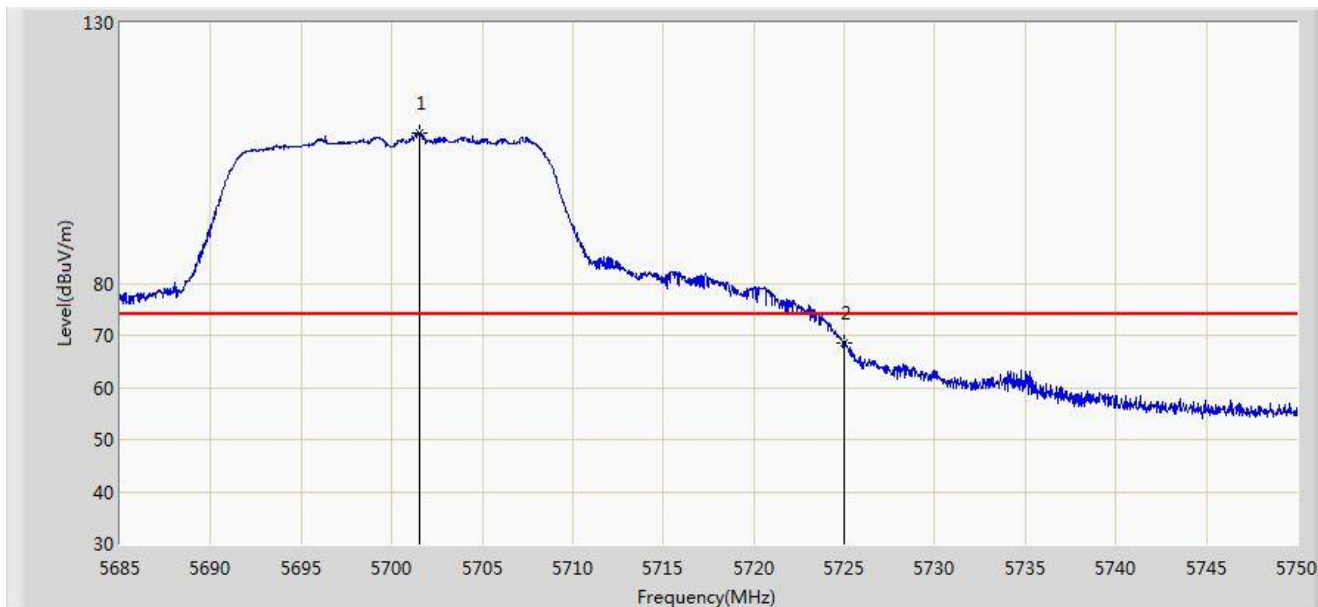


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.842	79.672	75.949	N/A	N/A	3.723	AV
2			5725.000	43.508	39.717	-10.492	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0	

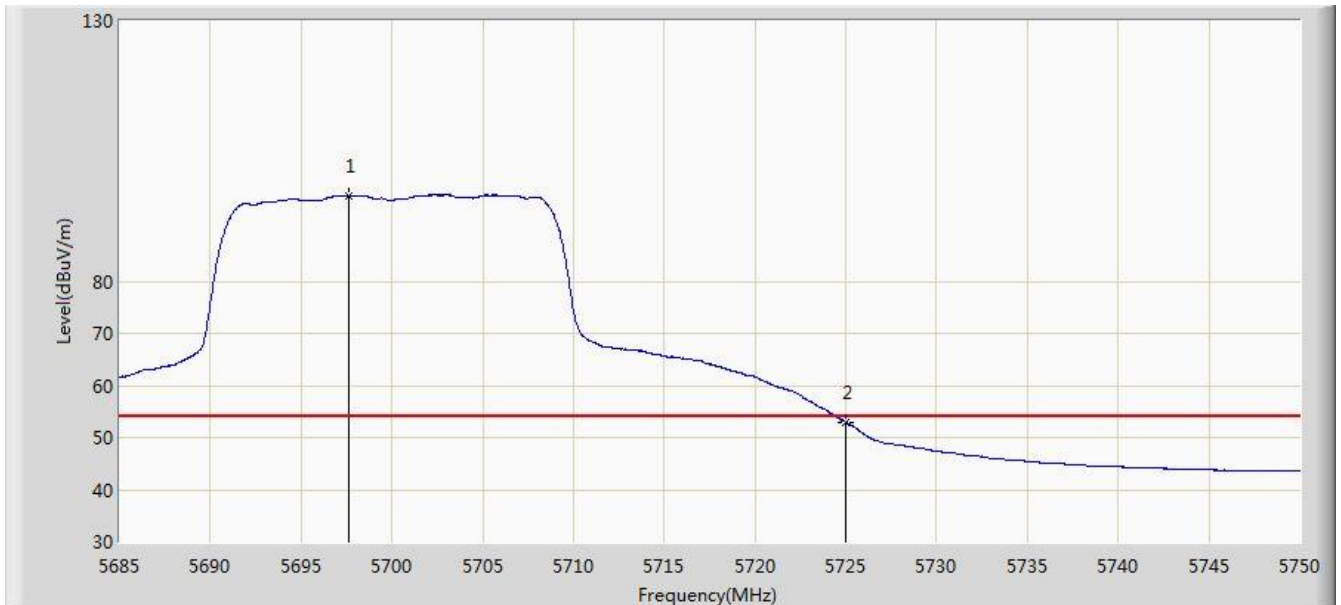


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.542	108.754	105.033	N/A	N/A	3.720	PK
2			5725.000	68.492	64.701	-5.508	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0	

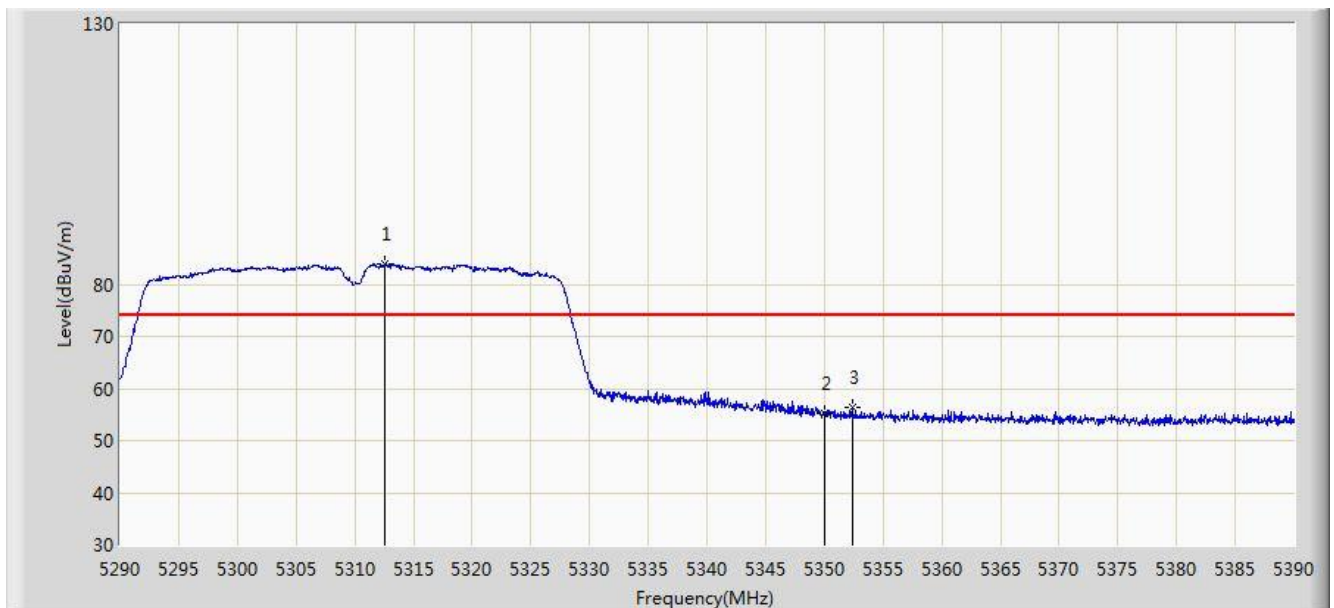


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.610	96.385	92.669	N/A	N/A	3.716	AV
2			5725.000	52.939	49.148	-1.061	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Ant 0	

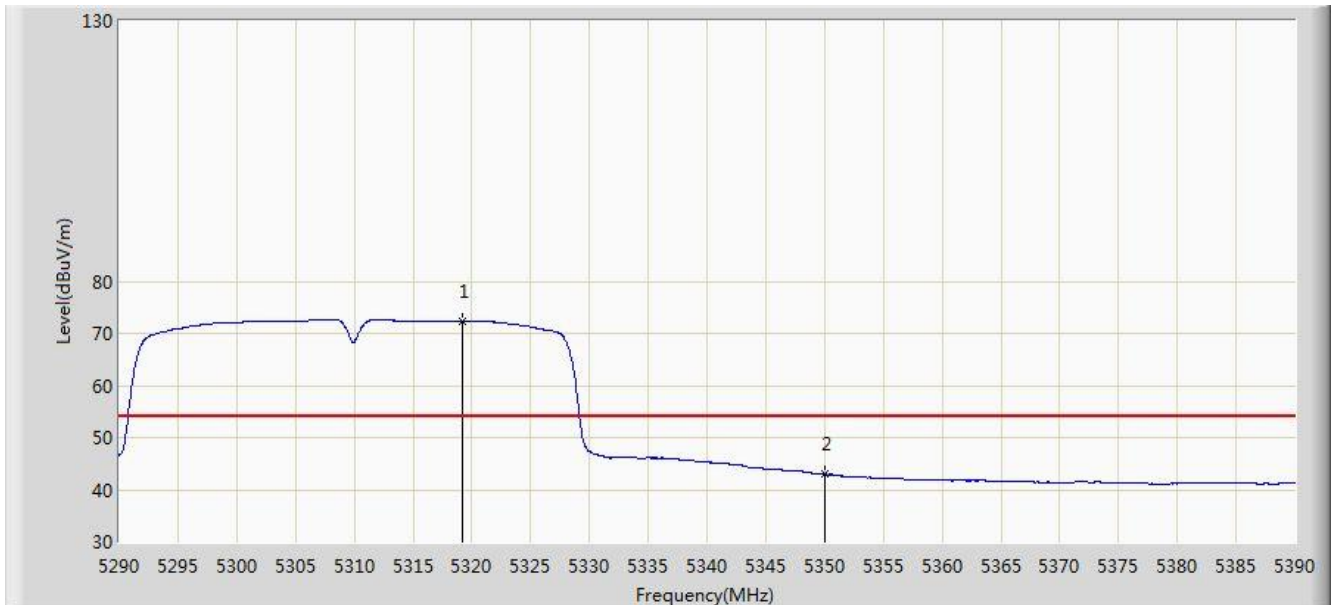


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.550	83.903	80.815	N/A	N/A	3.089	PK
2			5350.000	55.148	52.116	-18.852	74.000	3.032	PK
3			5352.350	56.459	53.429	-17.541	74.000	3.030	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Ant 0	

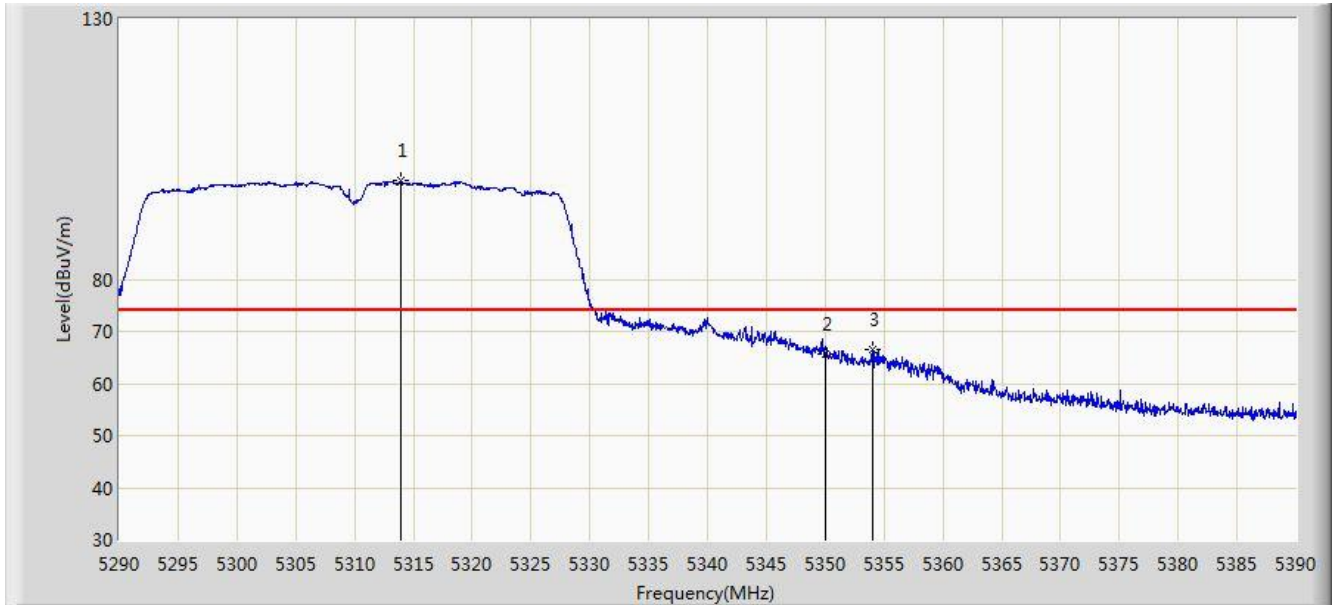


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.200	72.417	69.342	N/A	N/A	3.074	AV
2			5350.000	42.964	39.932	-11.036	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Ant 0	

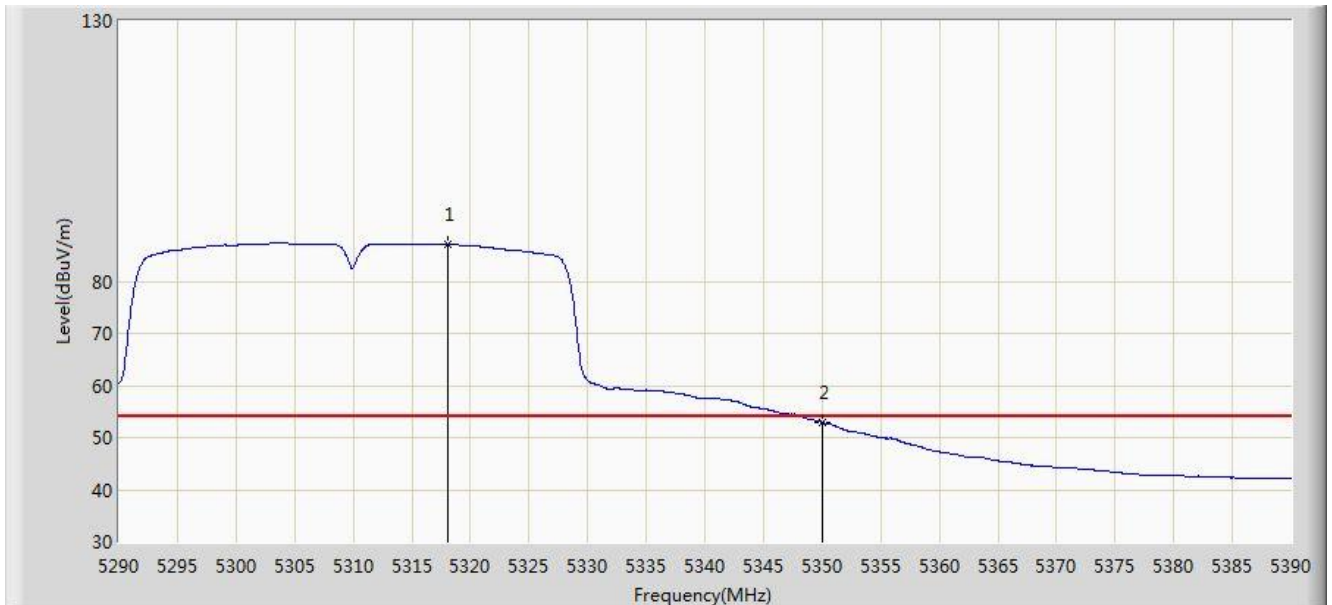


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.900	98.841	95.756	N/A	N/A	3.086	PK
2			5350.000	65.675	62.643	-8.325	74.000	3.032	PK
3			5354.050	66.644	63.616	-7.356	74.000	3.028	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Ant 0	

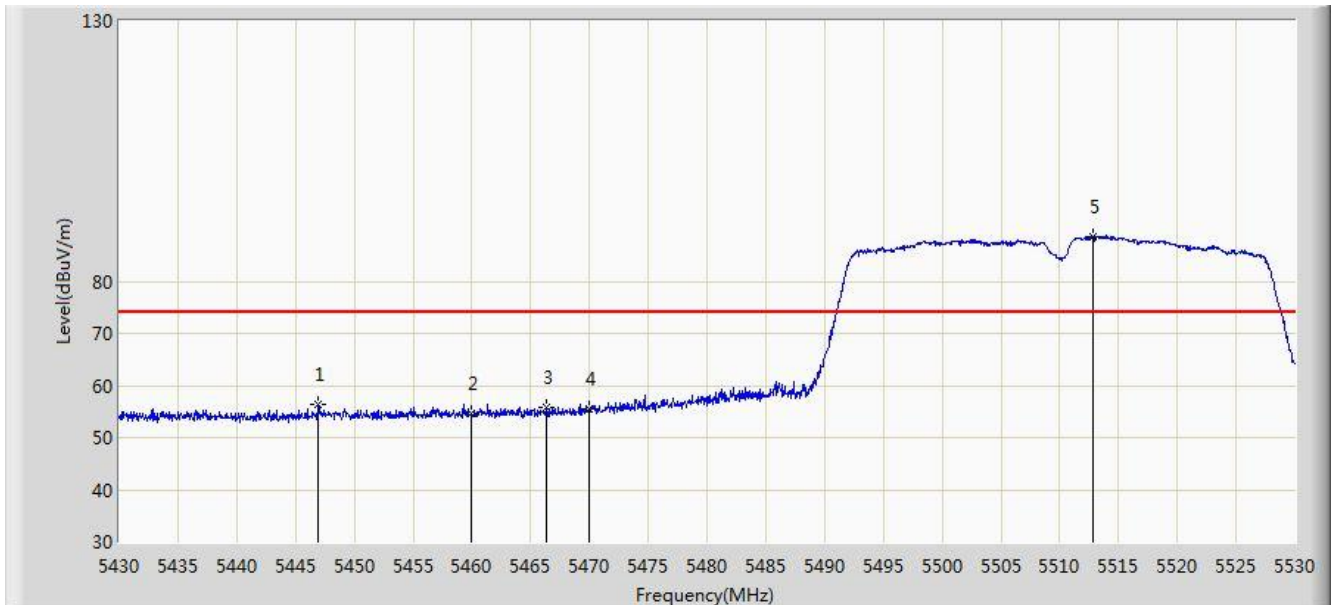


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.100	86.997	83.920	N/A	N/A	3.077	AV
2			5350.000	52.880	49.848	-1.120	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Ant 0	

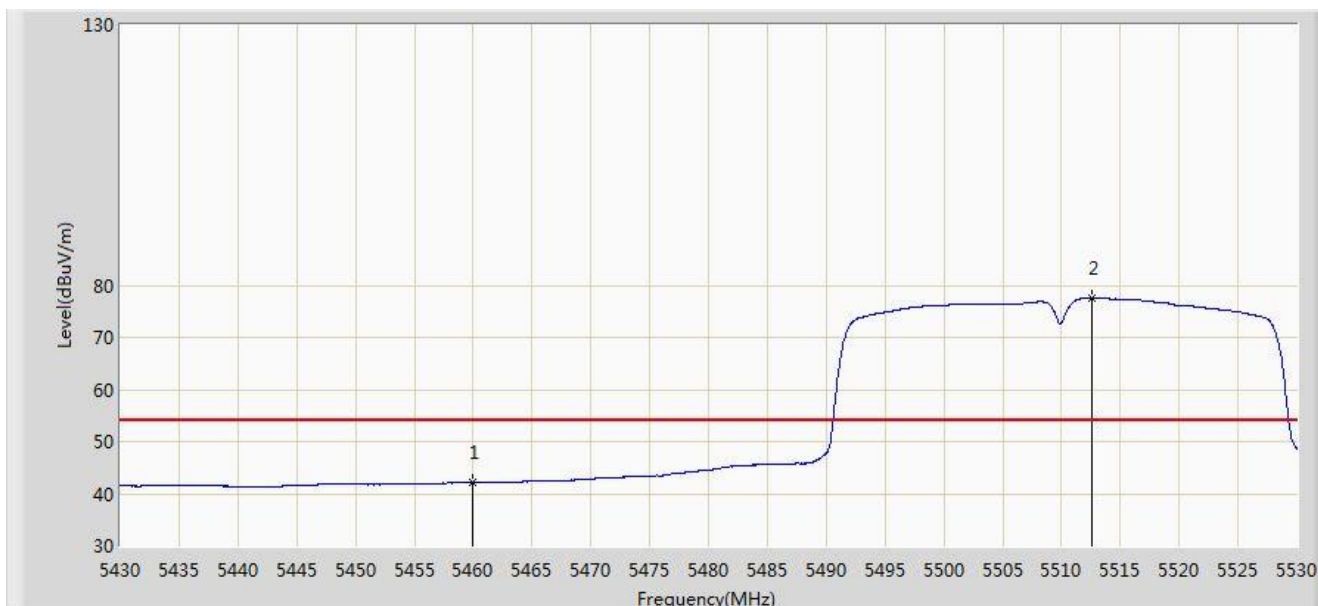


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.950	56.251	52.837	-17.749	74.000	3.415	PK
2			5460.000	54.643	51.161	-19.357	74.000	3.482	PK
3			5466.300	55.783	52.265	-18.217	74.000	3.518	PK
4			5470.000	55.407	51.868	-18.593	74.000	3.539	PK
5		*	5512.850	88.600	85.087	N/A	N/A	3.513	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Ant 0	

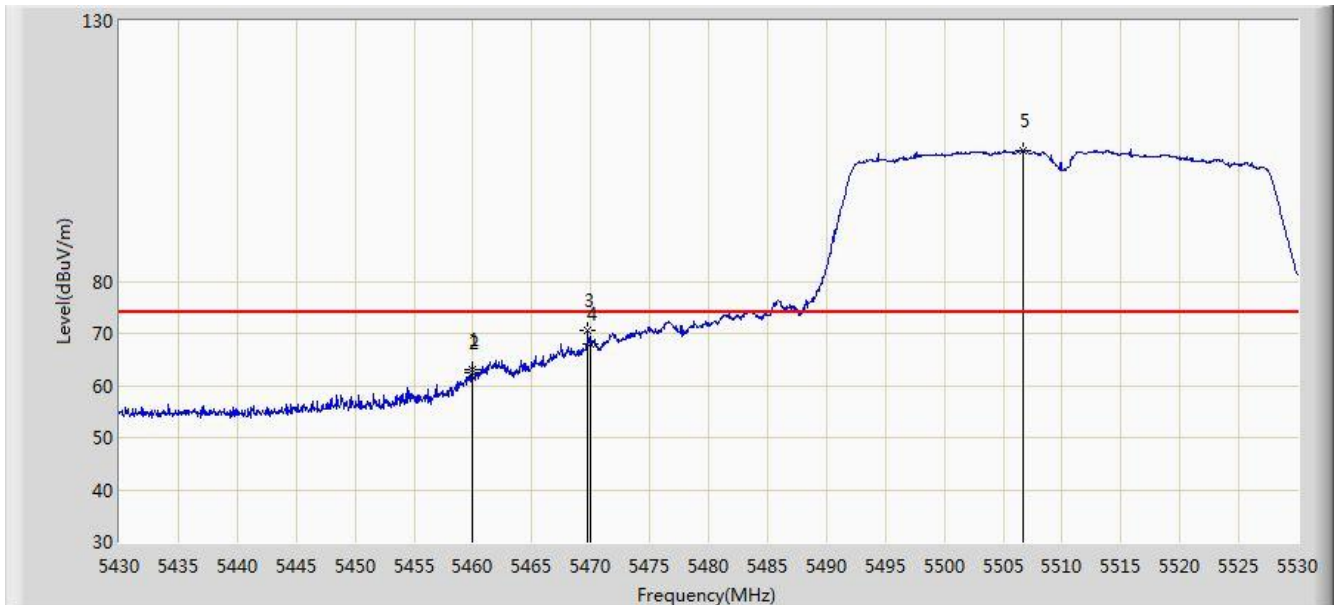


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.101	38.619	-11.899	54.000	3.482	AV
2		*	5512.550	77.484	73.971	N/A	N/A	3.513	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Ant 0	

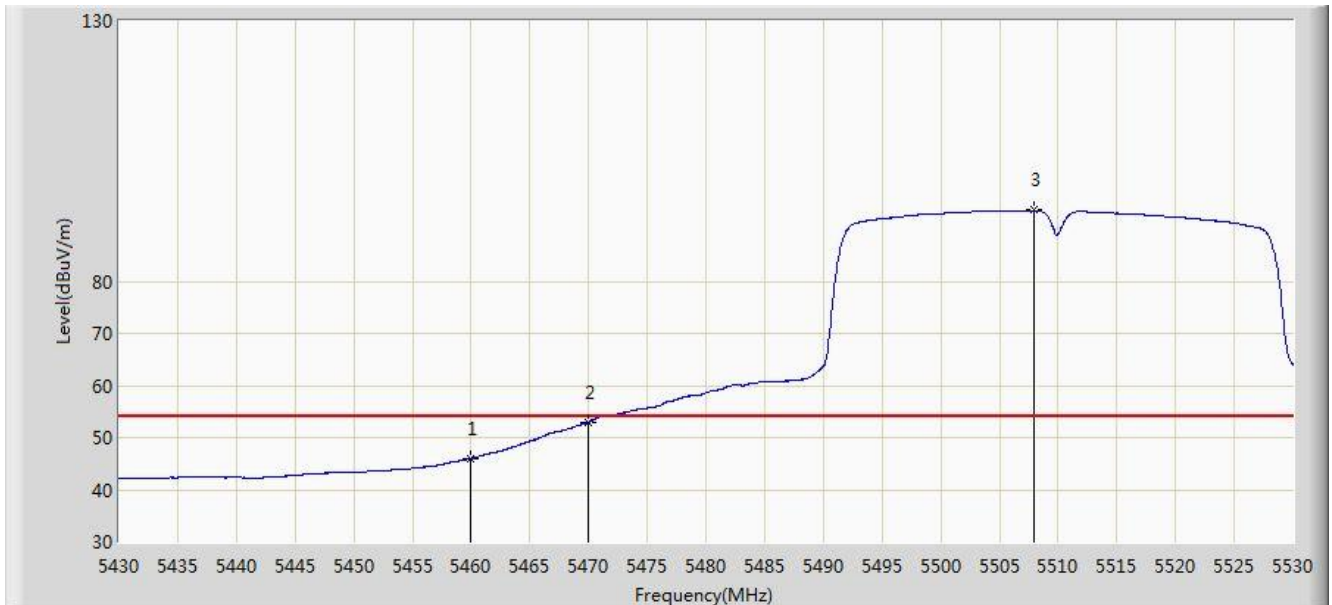


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.900	63.105	59.624	-10.895	74.000	3.481	PK
2			5460.000	62.383	58.901	-11.617	74.000	3.482	PK
3			5469.750	70.592	67.054	-3.408	74.000	3.538	PK
4			5470.000	67.914	64.375	-6.086	74.000	3.539	PK
5		*	5506.750	104.987	101.468	N/A	N/A	3.519	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Ant 0	

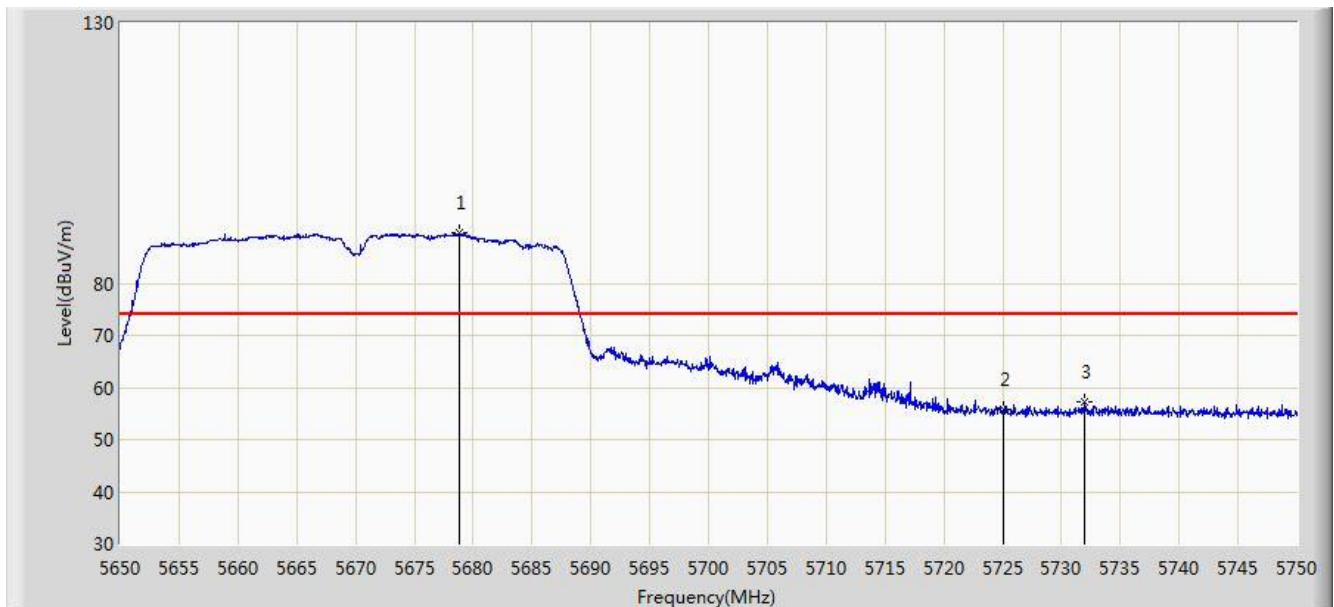


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.010	42.528	-7.990	54.000	3.482	AV
2			5470.000	52.990	49.451	-1.010	54.000	3.539	AV
3		*	5508.000	93.626	90.108	N/A	N/A	3.517	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz Ant 0	

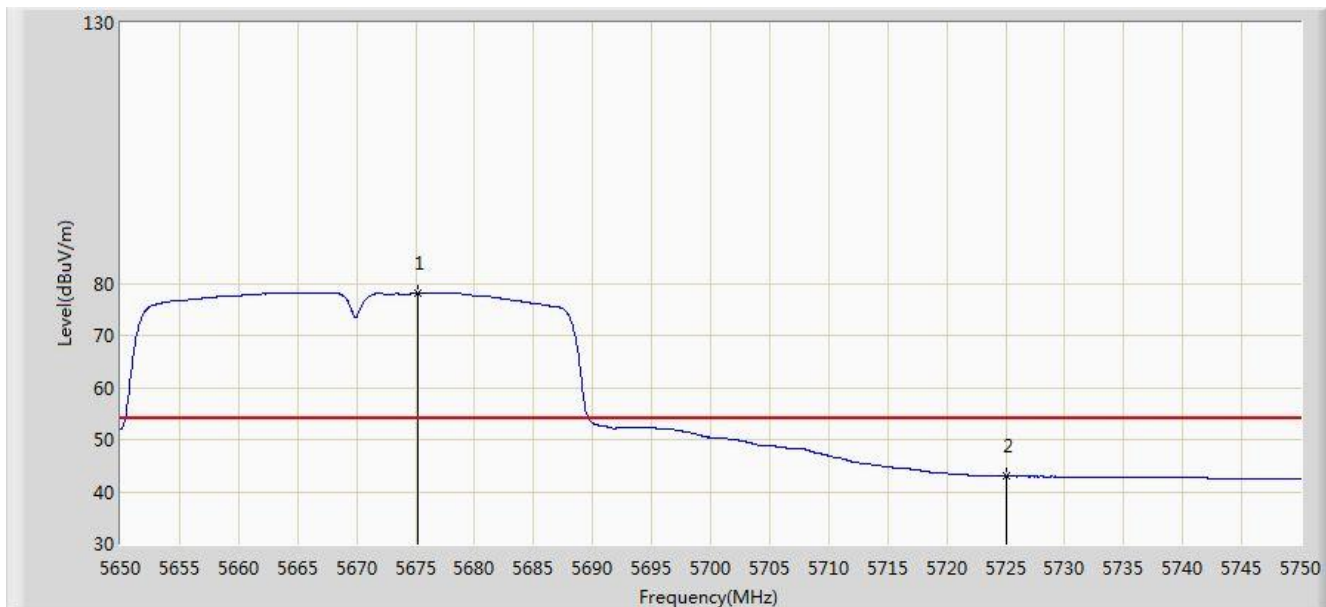


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5678.800	89.610	85.933	N/A	N/A	3.677	PK
2			5725.000	55.663	51.872	-18.337	74.000	3.791	PK
3			5731.900	57.318	53.506	-16.682	74.000	3.812	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz Ant 0	

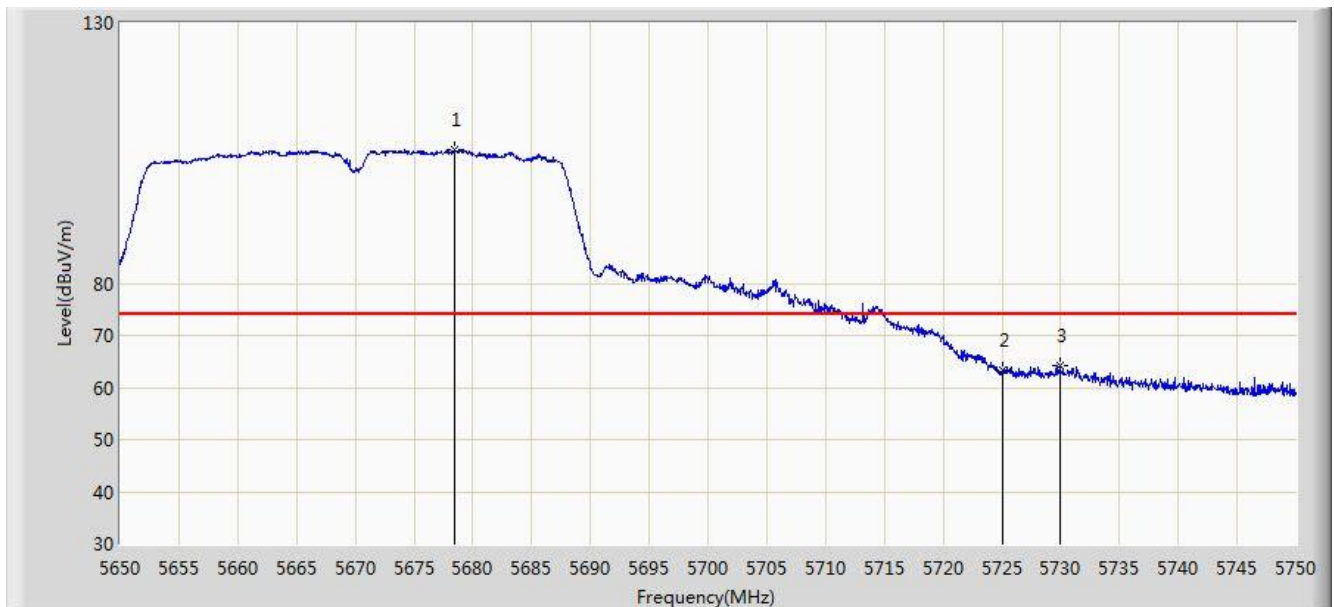


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5675.150	78.026	74.357	N/A	N/A	3.669	AV
2			5725.000	43.000	39.209	-11.000	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz Ant 0	

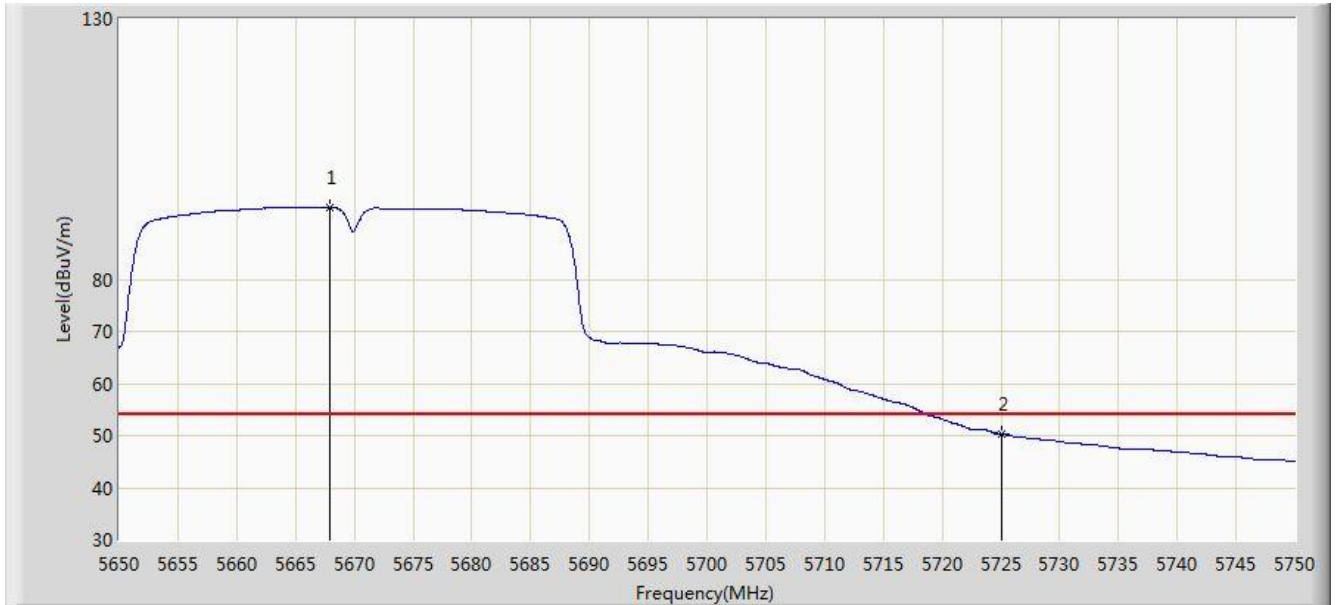


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5678.400	105.698	102.022	N/A	N/A	3.675	PK
2			5725.000	63.251	59.460	-10.749	74.000	3.791	PK
3			5729.950	64.086	60.280	-9.914	74.000	3.806	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz Ant 0	

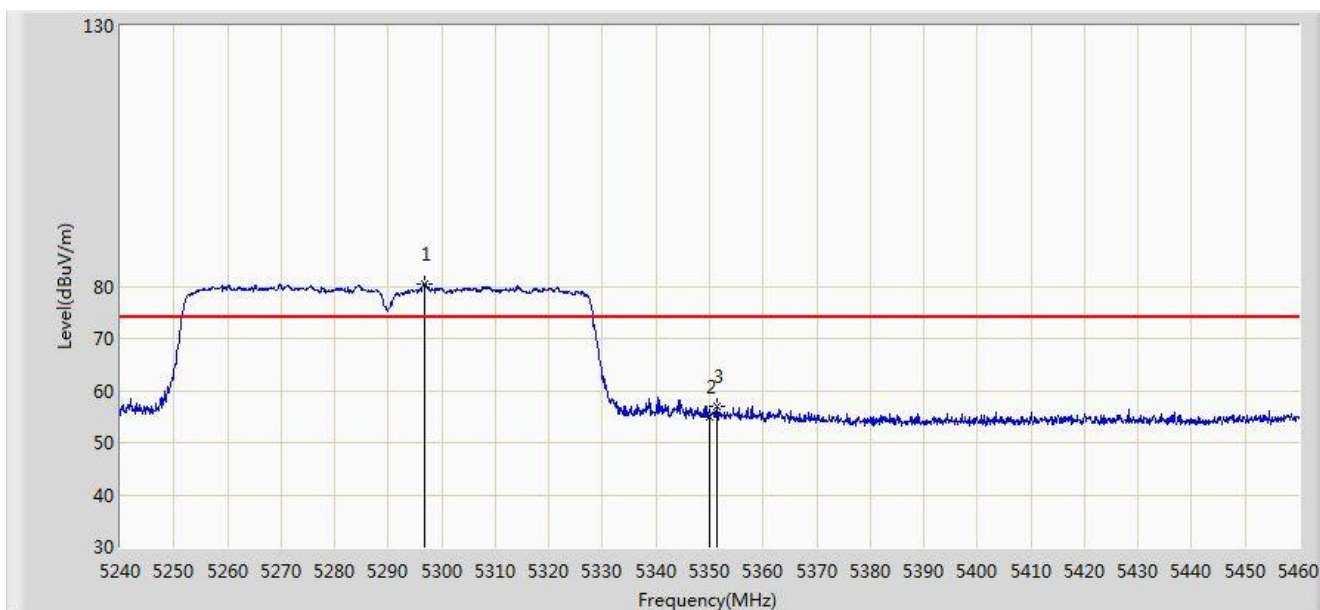


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5667.900	93.796	90.138	N/A	N/A	3.658	AV
2			5725.000	50.315	46.524	-3.685	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz Ant 0	

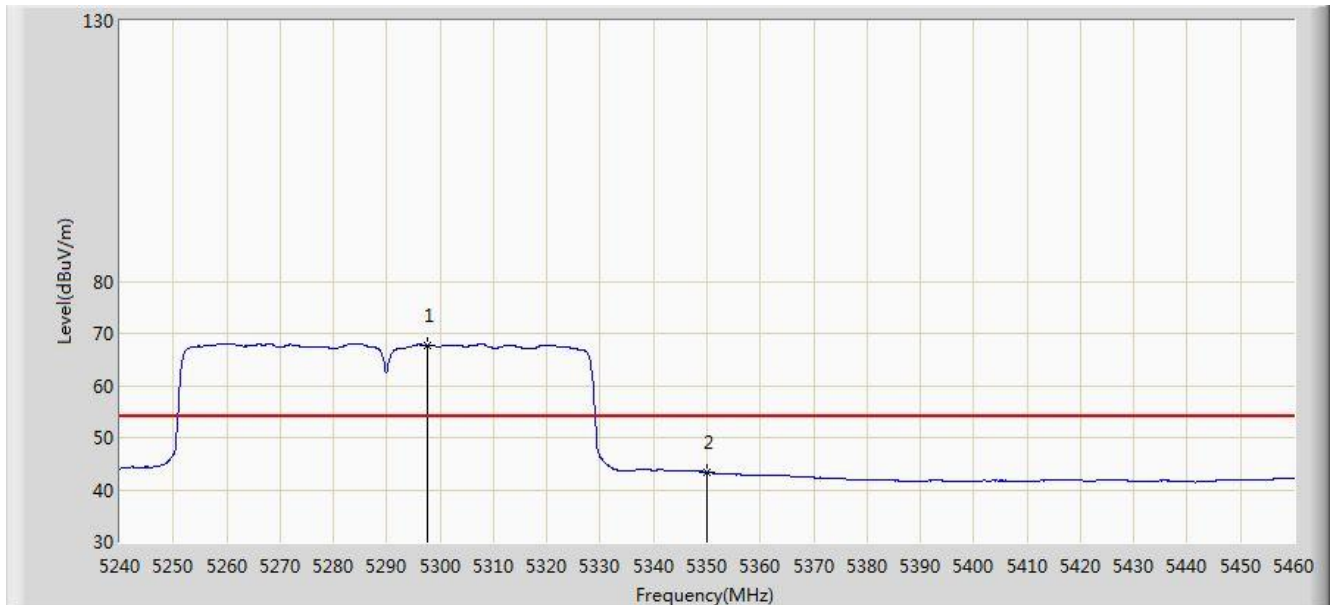


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5296.760	80.467	77.339	N/A	N/A	3.128	PK
2			5350.000	55.069	52.037	-18.931	74.000	3.032	PK
3			5351.430	56.981	53.950	-17.019	74.000	3.031	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz Ant 0	

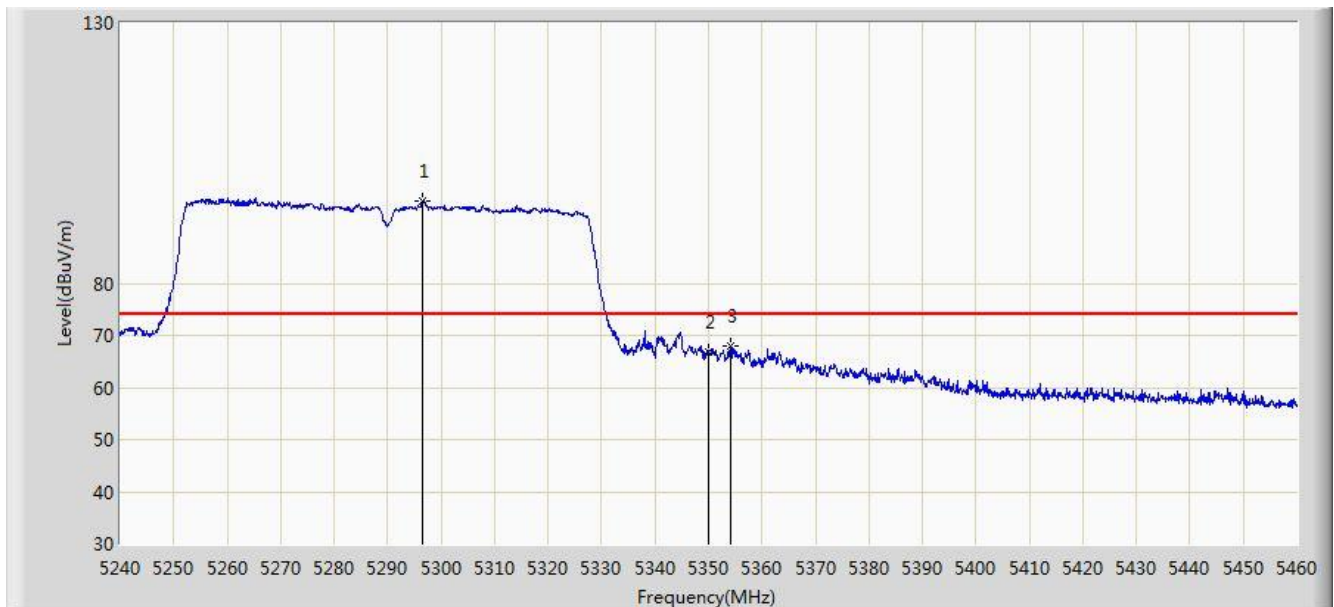


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5297.750	67.798	64.672	N/A	N/A	3.126	AV
2			5350.000	43.394	40.362	-10.606	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz Ant 0	

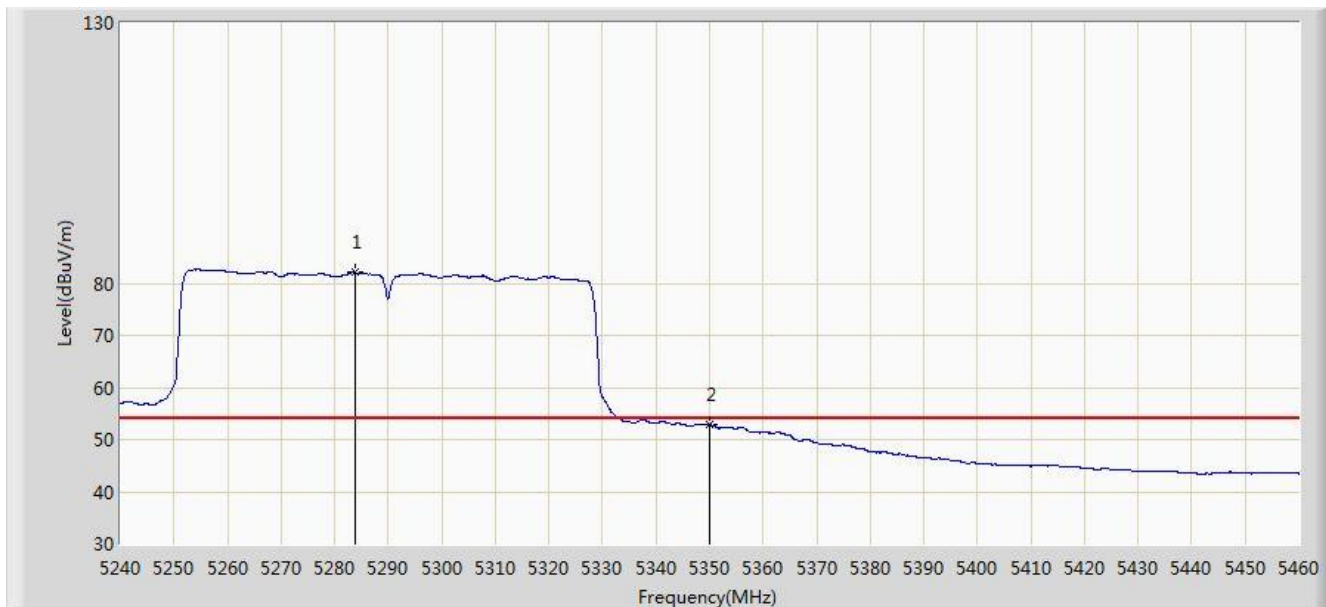


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5296.650	95.696	92.568	N/A	N/A	3.129	PK
2			5350.000	66.685	63.653	-7.315	74.000	3.032	PK
3			5354.180	68.110	65.082	-5.890	74.000	3.029	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz Ant 0	

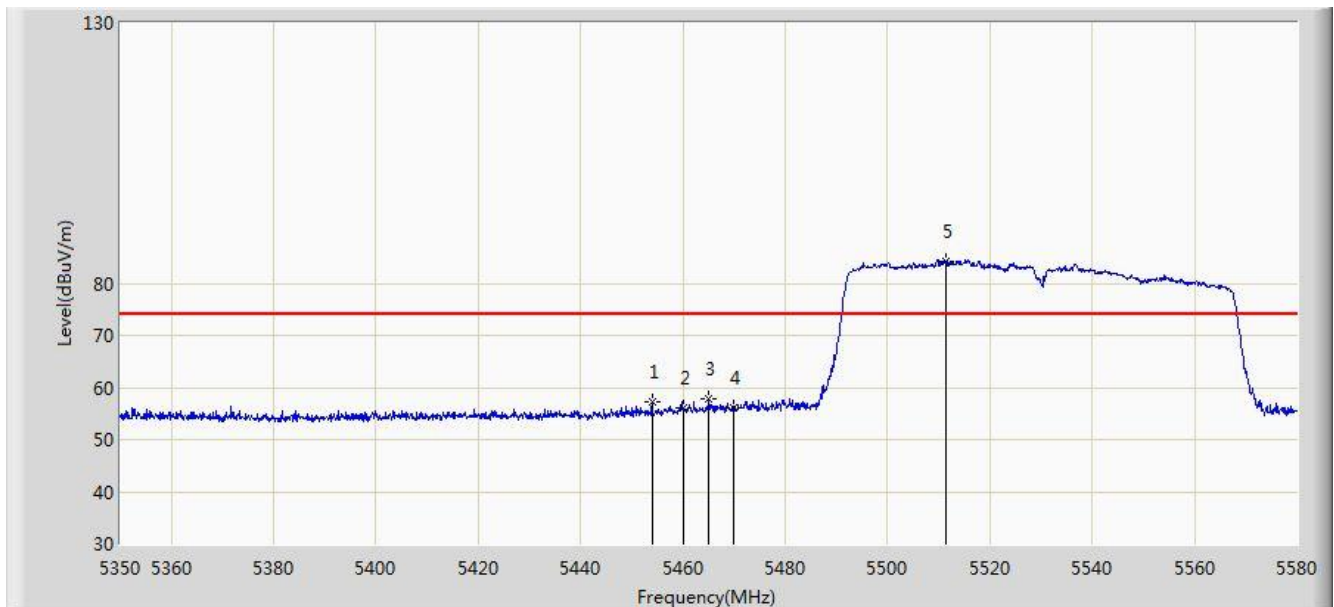


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5283.780	82.098	78.918	N/A	N/A	3.180	AV
2			5350.000	52.837	49.805	-1.163	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 01:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz Ant 0	

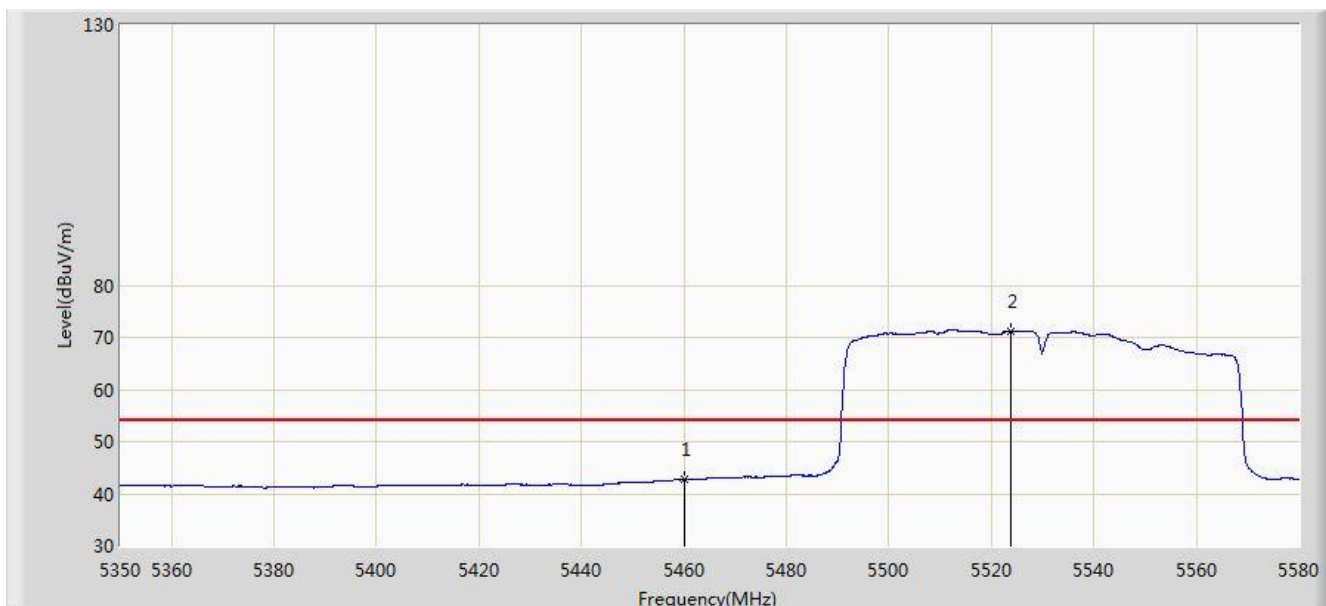


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.960	57.285	53.839	-16.715	74.000	3.446	PK
2			5460.000	56.036	52.554	-17.964	74.000	3.482	PK
3			5465.115	57.961	54.450	-16.039	74.000	3.511	PK
4			5470.000	55.954	52.415	-18.046	74.000	3.539	PK
5		*	5511.345	84.235	80.721	N/A	N/A	3.514	PK

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

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

Site: AC1	Time: 2017/04/15 - 01:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz Ant 0	

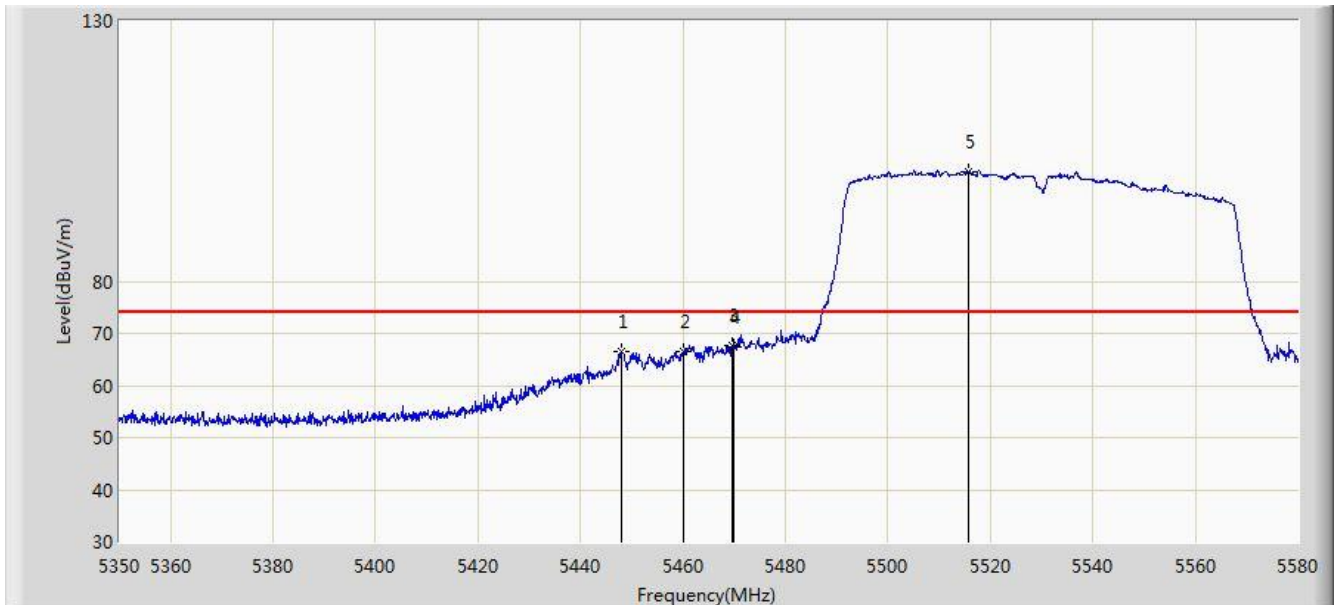


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.687	39.205	-11.313	54.000	3.482	AV
2		*	5523.765	71.187	67.684	N/A	N/A	3.503	AV

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

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

Site: AC1	Time: 2017/04/15 - 00:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz Ant 0	

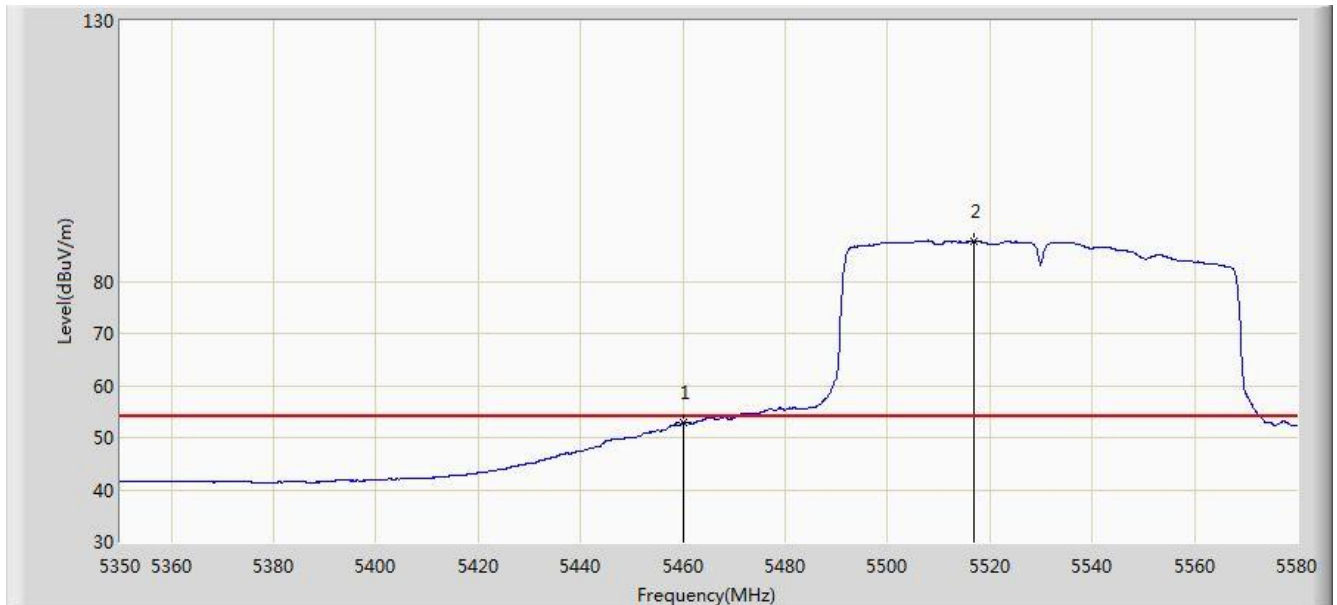


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5448.095	66.524	63.105	-7.476	74.000	3.419	PK
2			5460.000	66.436	62.954	-7.564	74.000	3.482	PK
3			5469.485	67.812	64.276	-6.188	74.000	3.537	PK
4			5470.000	67.422	63.883	-6.578	74.000	3.539	PK
5		*	5515.830	101.067	97.558	N/A	N/A	3.509	PK

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

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

Site: AC1	Time: 2017/04/15 - 00:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz Ant 0	

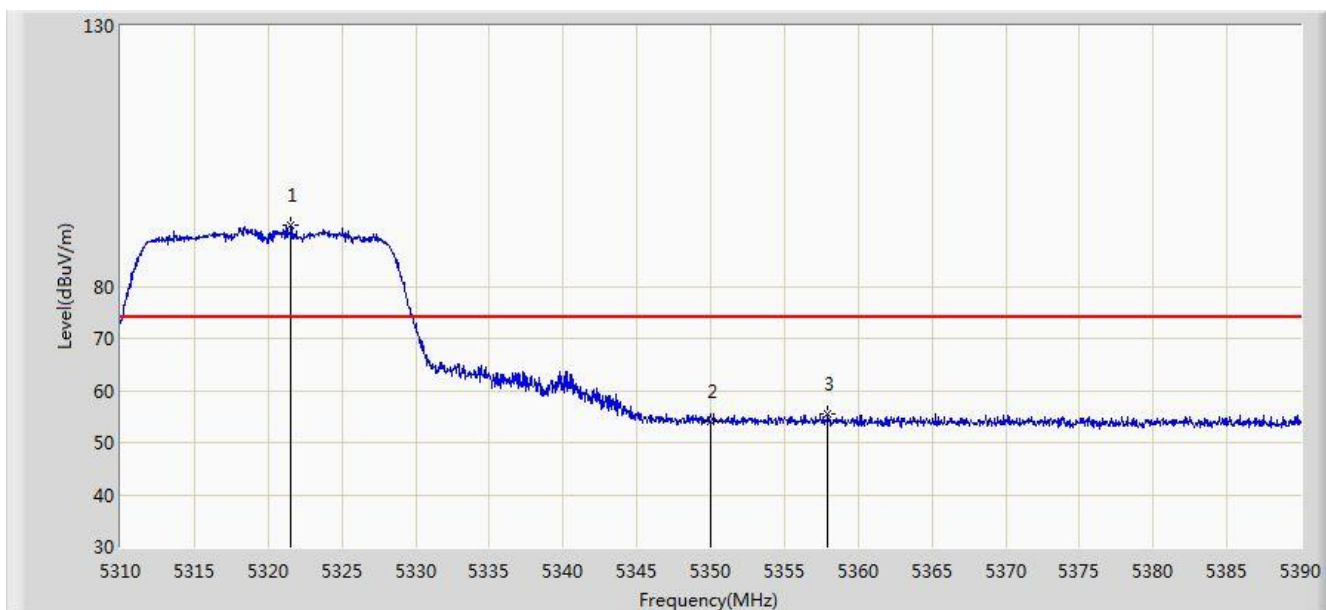


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.758	49.276	-1.242	54.000	3.482	AV
2		*	5516.865	87.638	84.130	N/A	N/A	3.508	AV

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

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

Site: AC1	Time: 2017/04/15 - 11:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1	

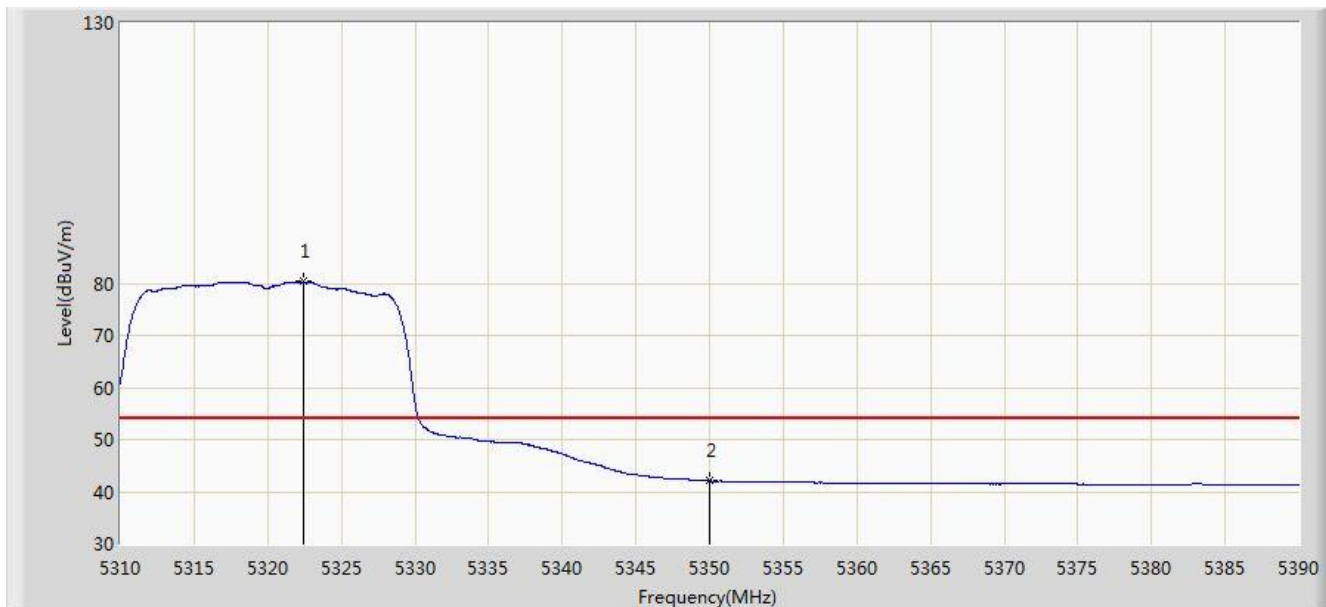


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.520	91.653	88.583	N/A	N/A	3.070	PK
2			5350.000	54.016	50.984	-19.984	74.000	3.032	PK
3			5357.960	55.610	52.586	-18.390	74.000	3.023	PK

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

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

Site: AC1	Time: 2017/04/15 - 11:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1	

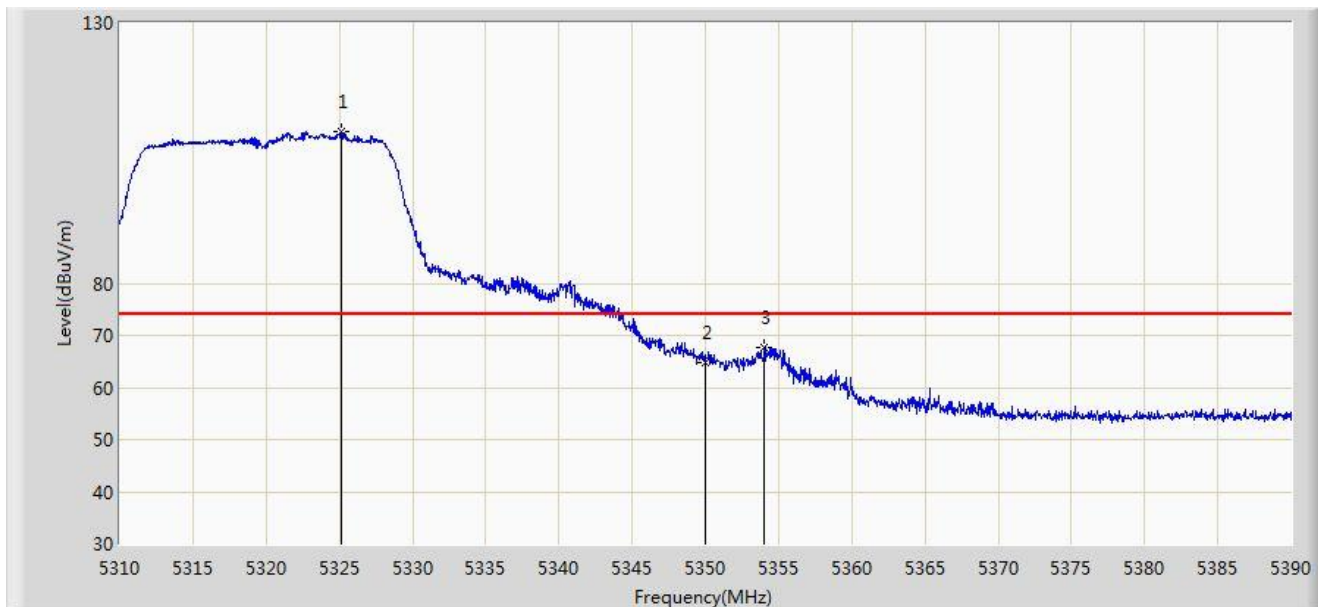


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.480	80.318	77.250	N/A	N/A	3.068	AV
2			5350.000	42.073	39.041	-11.927	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 11:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1	

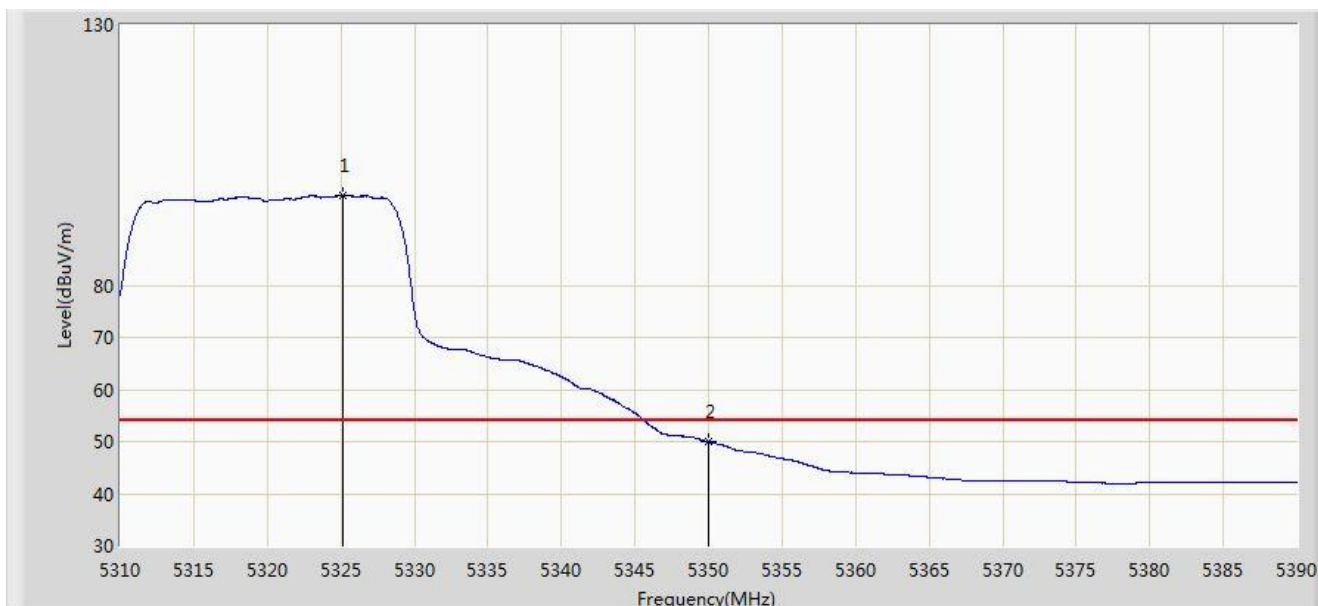


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.160	109.246	106.183	N/A	N/A	3.063	PK
2			5350.000	64.793	61.761	-9.207	74.000	3.032	PK
3			5354.000	67.700	64.672	-6.300	74.000	3.028	PK

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

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

Site: AC1	Time: 2017/04/15 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1	

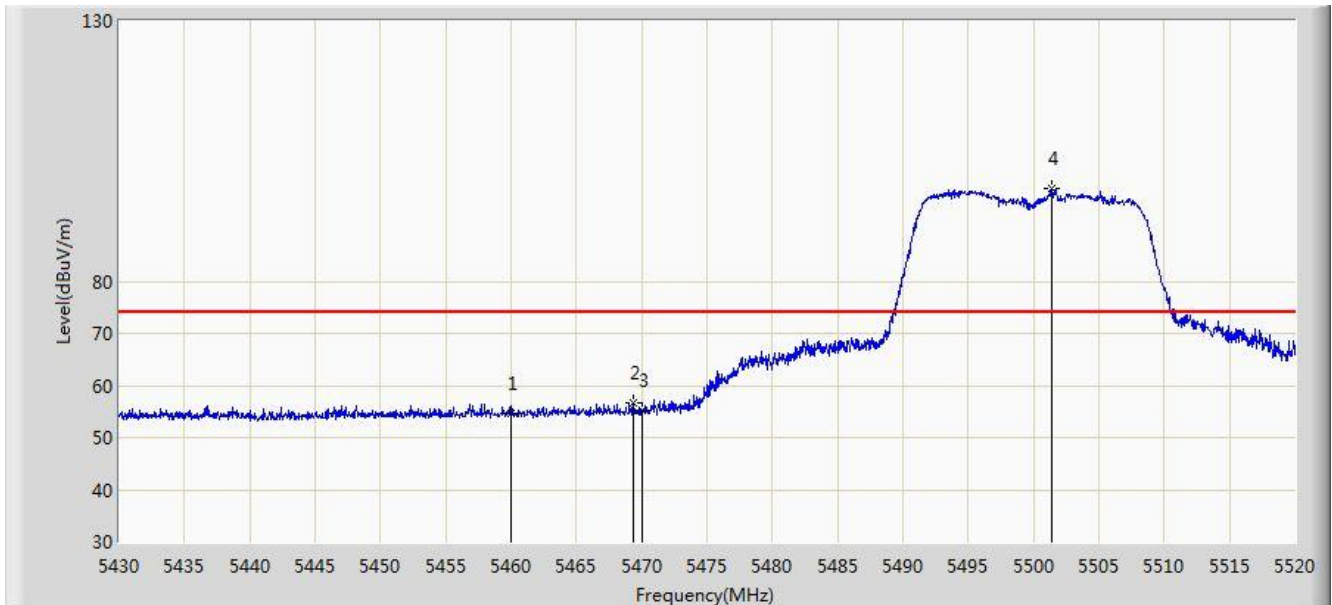


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.120	97.353	94.290	N/A	N/A	3.063	AV
2			5350.000	50.100	47.068	-3.900	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1	

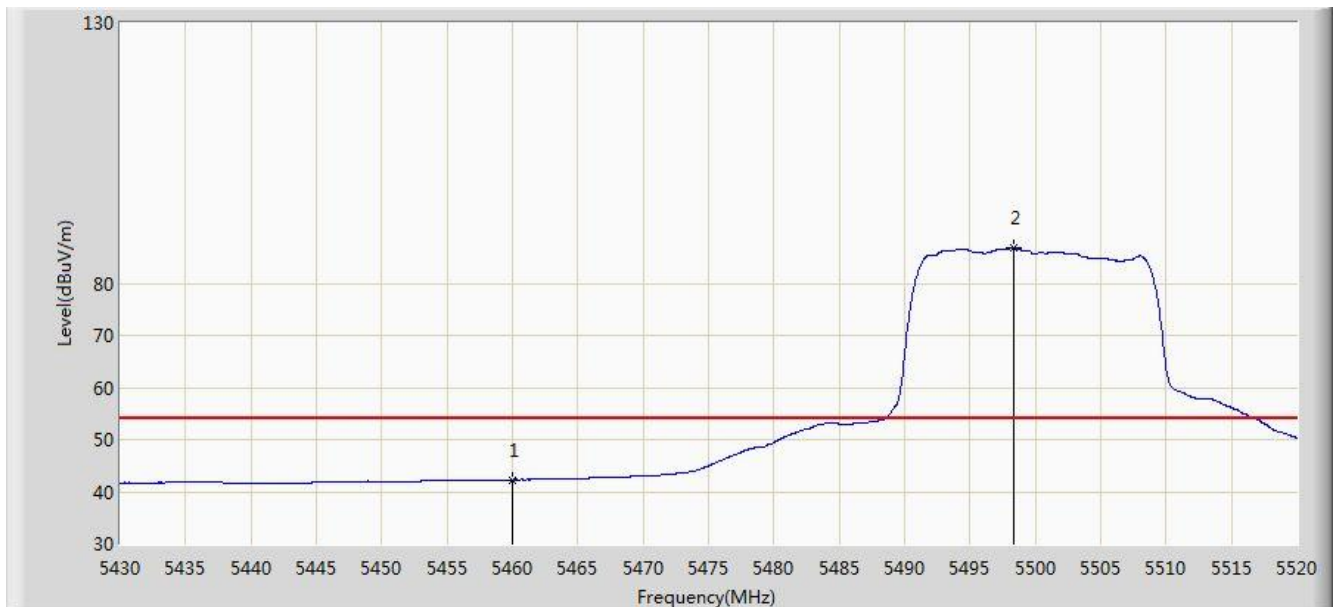


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	54.765	51.283	-19.235	74.000	3.482	PK
2			5469.330	56.608	53.072	-17.392	74.000	3.535	PK
3			5470.000	55.301	51.762	-18.699	74.000	3.539	PK
4		*	5501.370	97.843	94.318	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/15 - 11:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1	

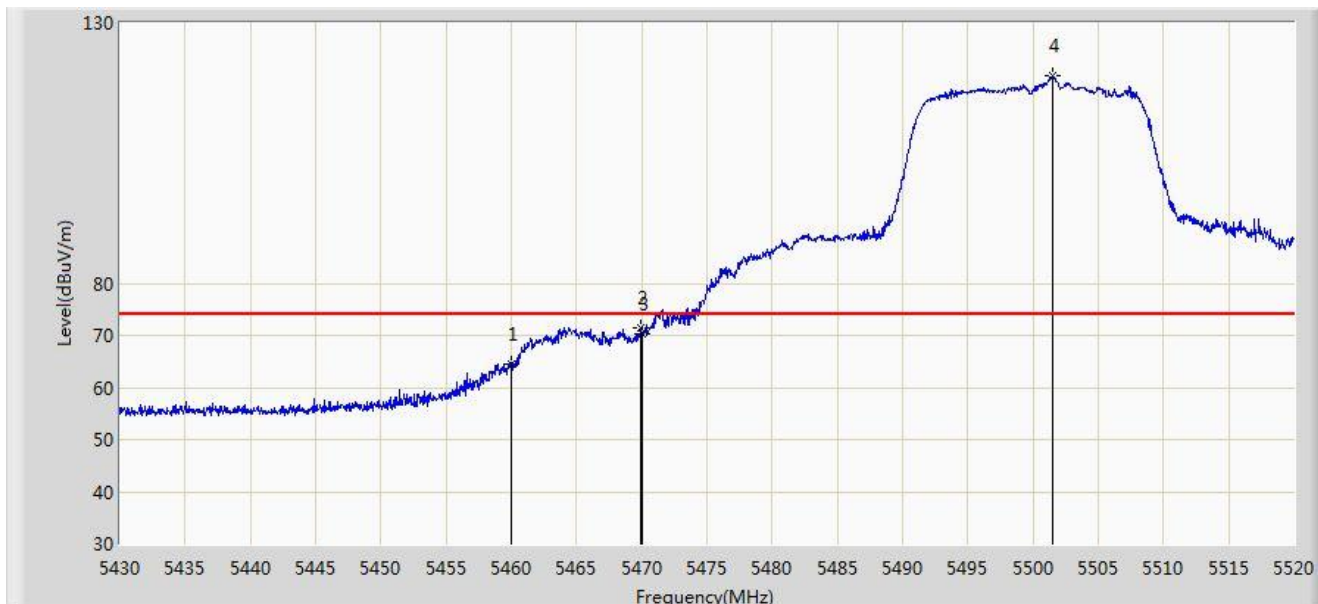


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.289	38.807	-11.711	54.000	3.482	AV
2		*	5498.355	86.804	83.276	N/A	N/A	3.528	AV

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

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

Site: AC1	Time: 2017/04/15 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1	

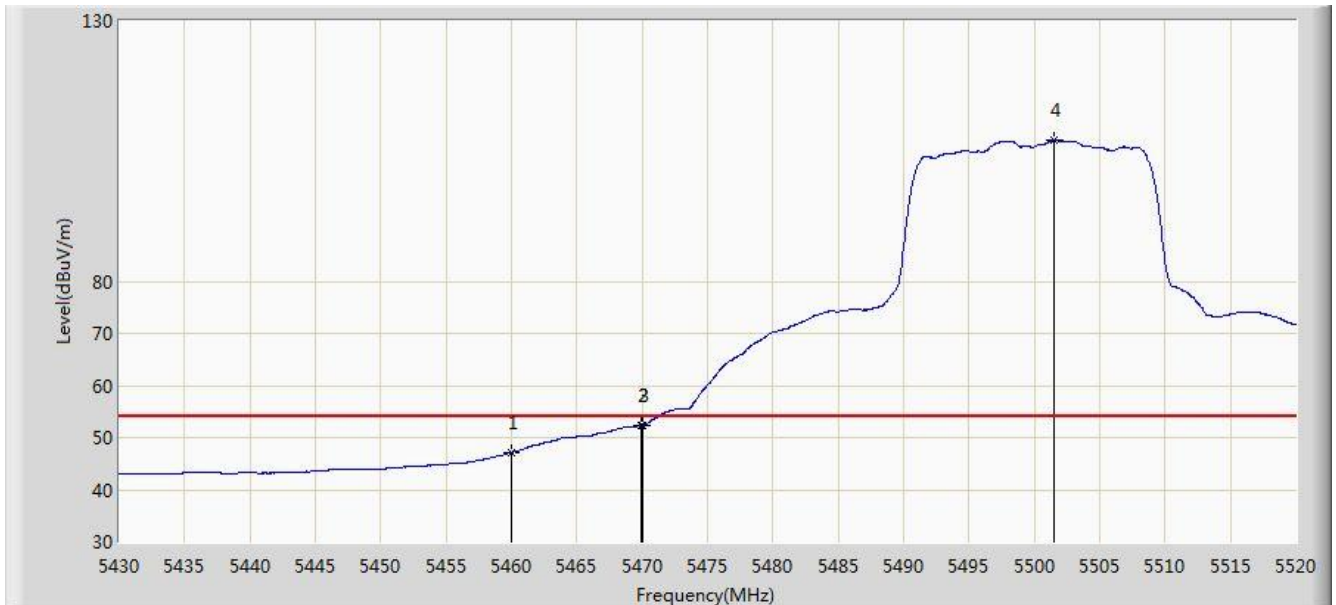


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	64.604	61.122	-9.396	74.000	3.482	PK
2			5469.960	71.425	67.886	-2.575	74.000	3.539	PK
3			5470.000	70.426	66.887	-3.574	74.000	3.539	PK
4		*	5501.460	119.713	116.188	N/A	N/A	3.525	PK

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

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

Site: AC1	Time: 2017/04/15 - 11:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1	

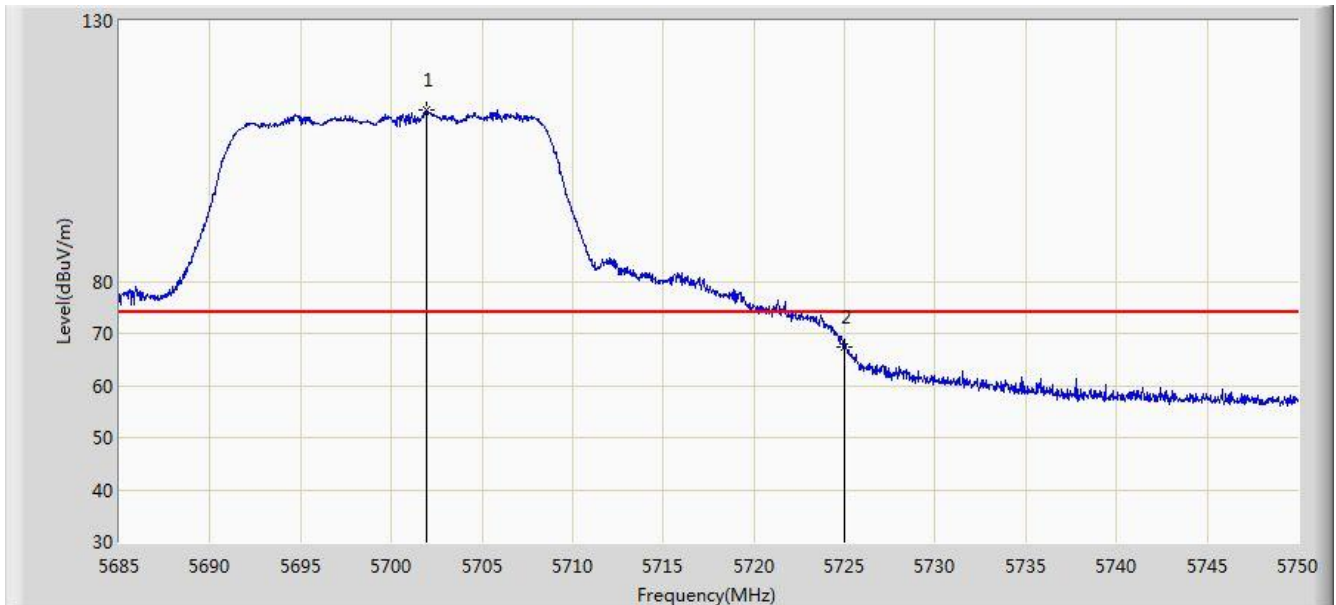


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.111	43.629	-6.889	54.000	3.482	AV
2			5469.960	52.365	48.826	-1.635	54.000	3.539	AV
3			5470.000	52.354	48.815	-1.646	54.000	3.539	AV
4		*	5501.460	107.021	103.496	N/A	N/A	3.525	AV

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

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

Site: AC1	Time: 2017/04/15 - 13:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1	

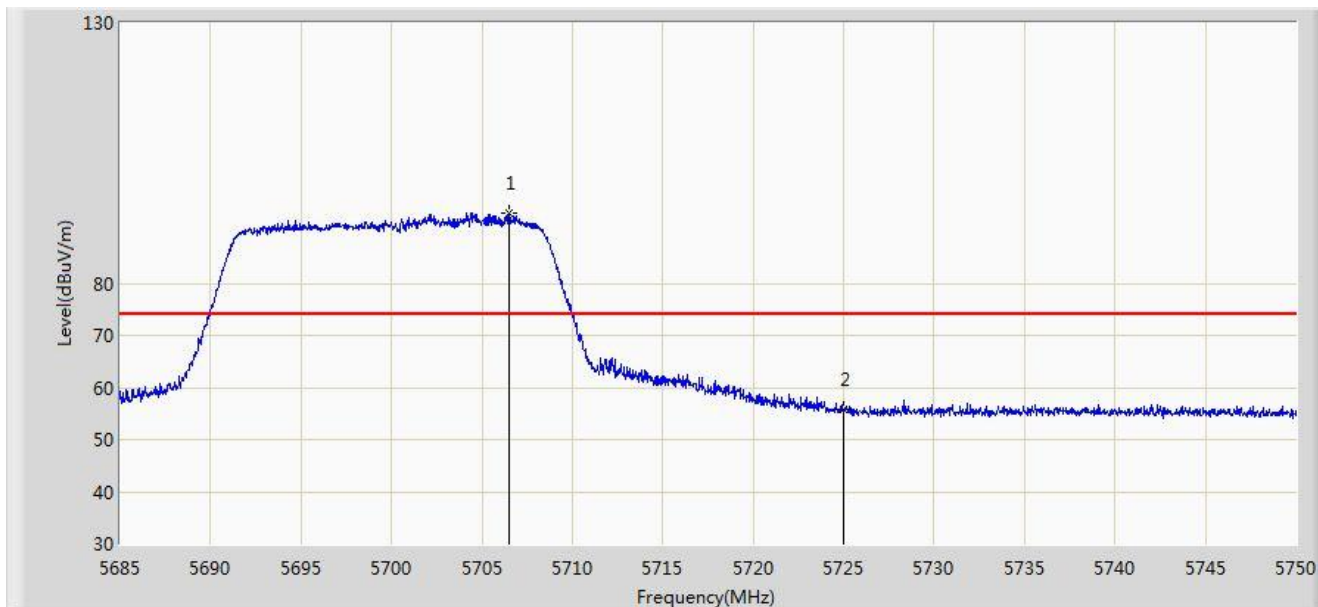


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.933	112.876	109.154	N/A	N/A	3.722	PK
2			5725.000	67.368	63.577	-6.632	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1	

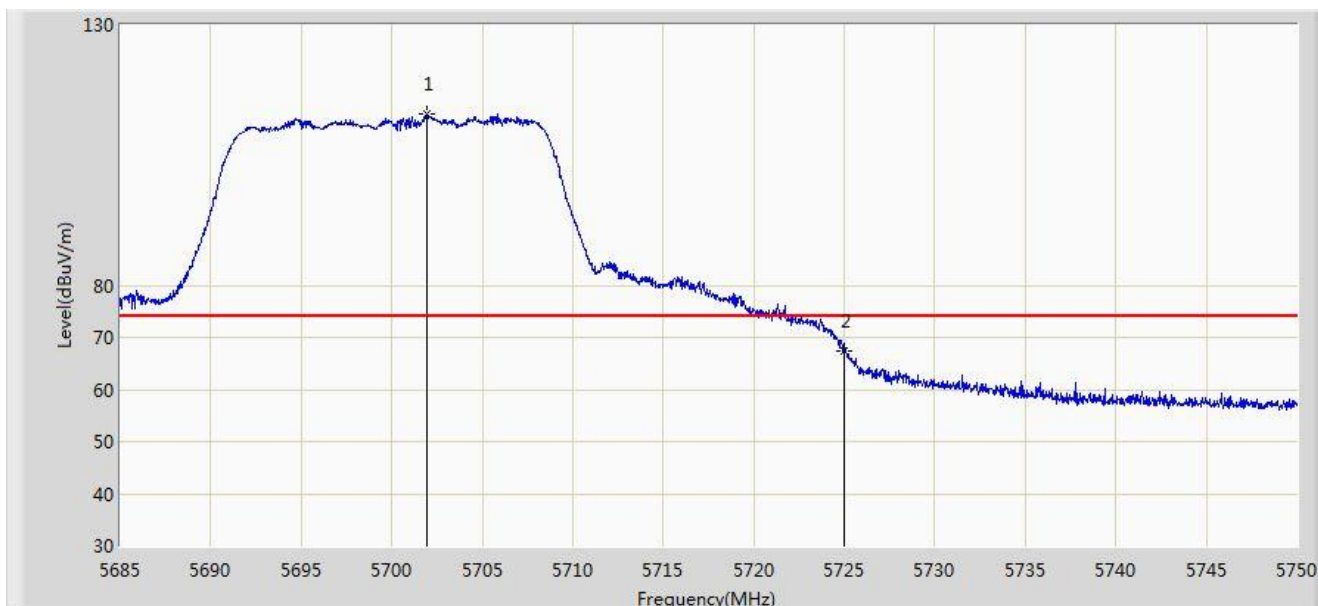


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.482	93.401	89.666	N/A	N/A	3.736	PK
2			5725.000	55.695	51.904	-18.305	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1	

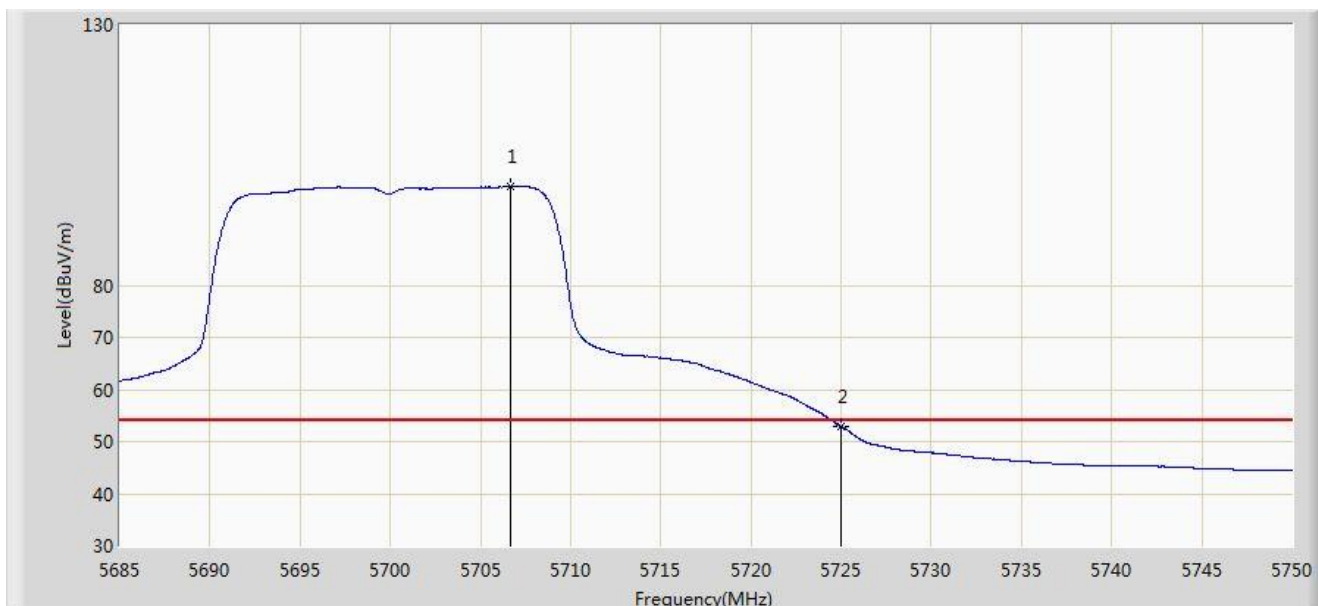


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.933	112.876	109.154	N/A	N/A	3.722	PK
2			5725.000	67.368	63.577	-6.632	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1	

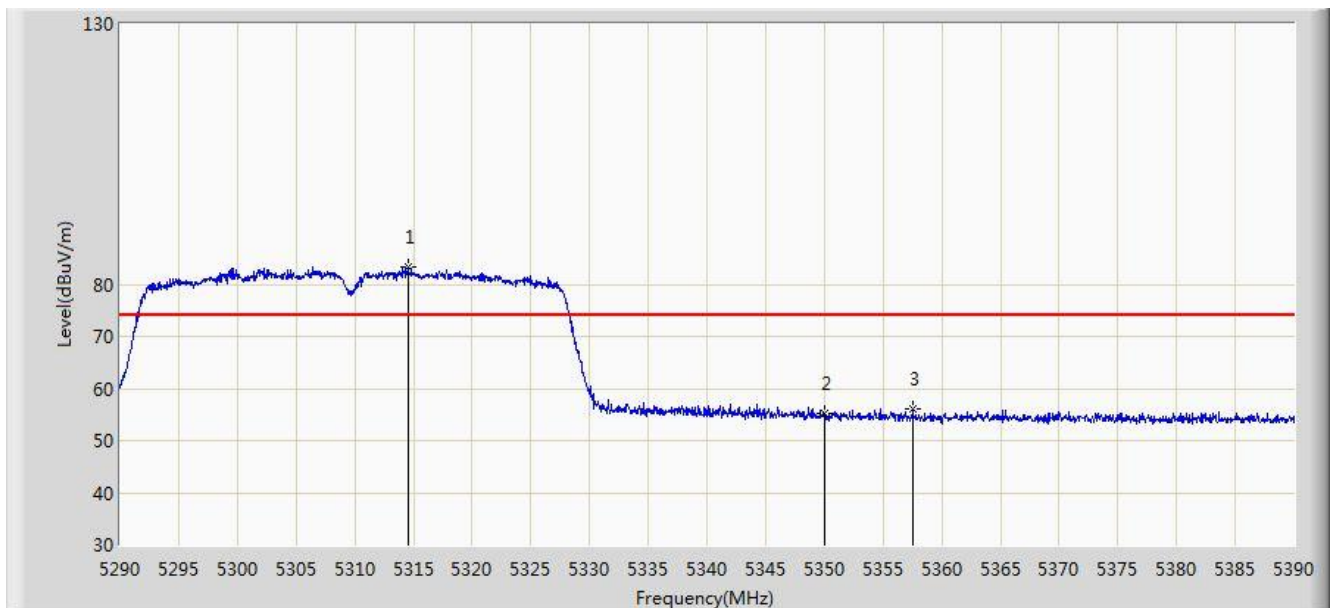


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.645	98.956	95.221	N/A	N/A	3.735	AV
2			5725.000	52.897	49.106	-1.103	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 13:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1	

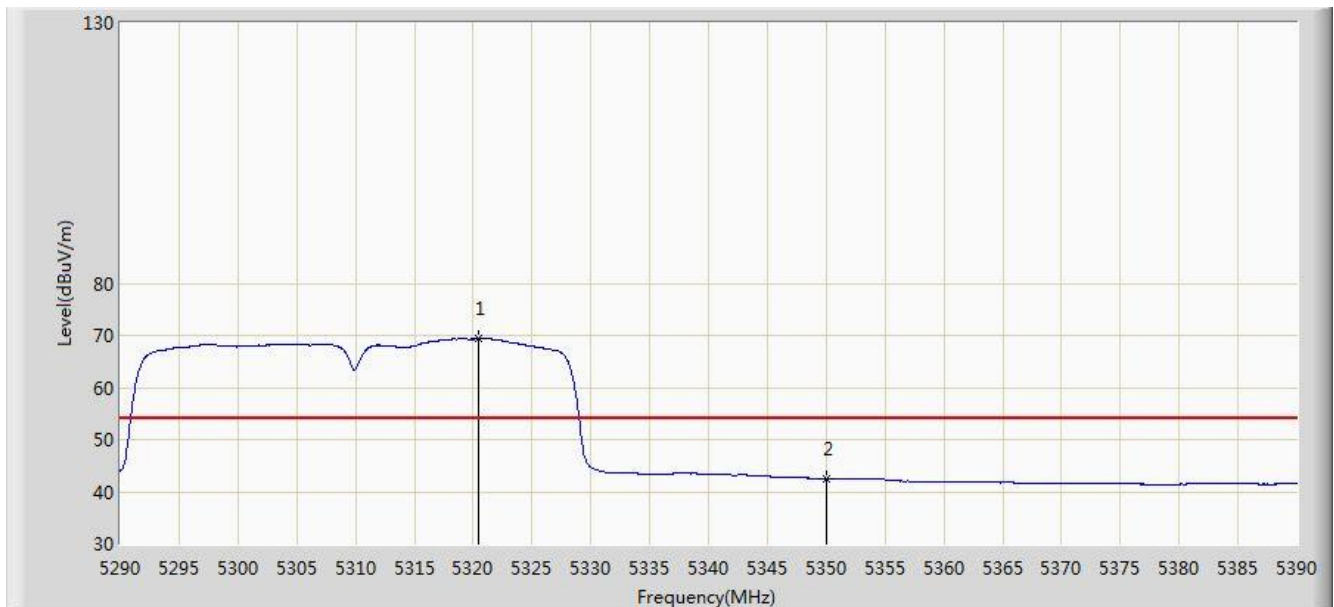


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.550	83.400	80.316	N/A	N/A	3.084	PK
2			5350.000	55.279	52.247	-18.721	74.000	3.032	PK
3			5357.550	56.099	53.075	-17.901	74.000	3.025	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1	

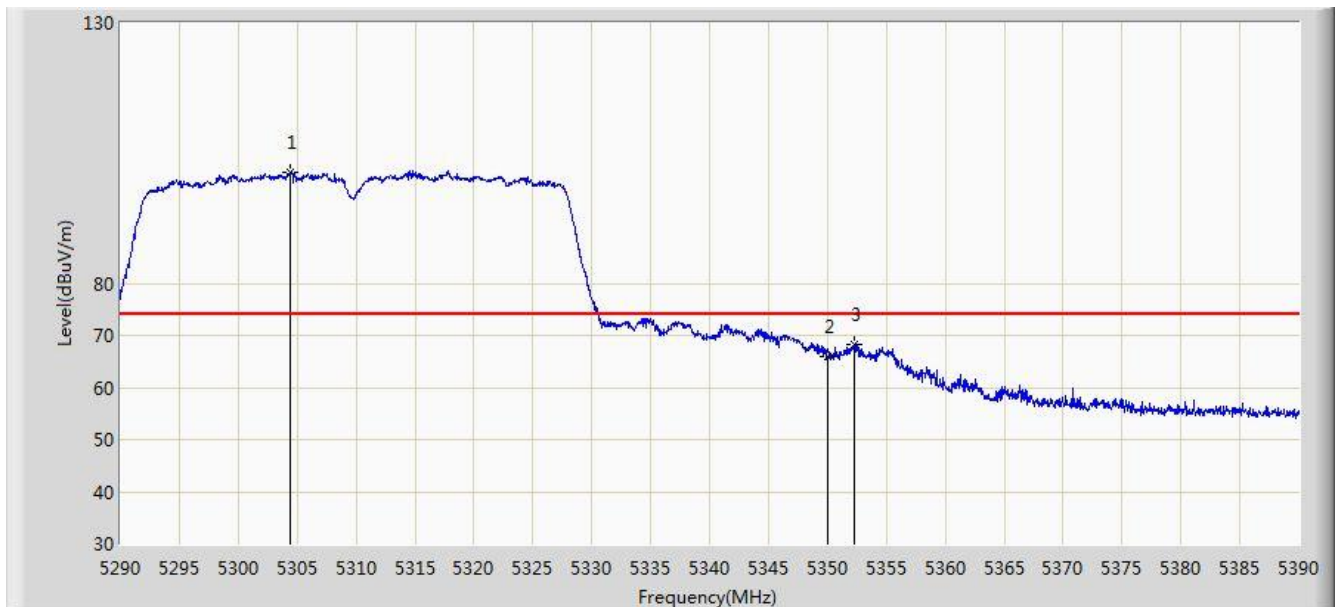


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.450	69.403	66.331	N/A	N/A	3.073	AV
2			5350.000	42.482	39.450	-11.518	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 13:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1	

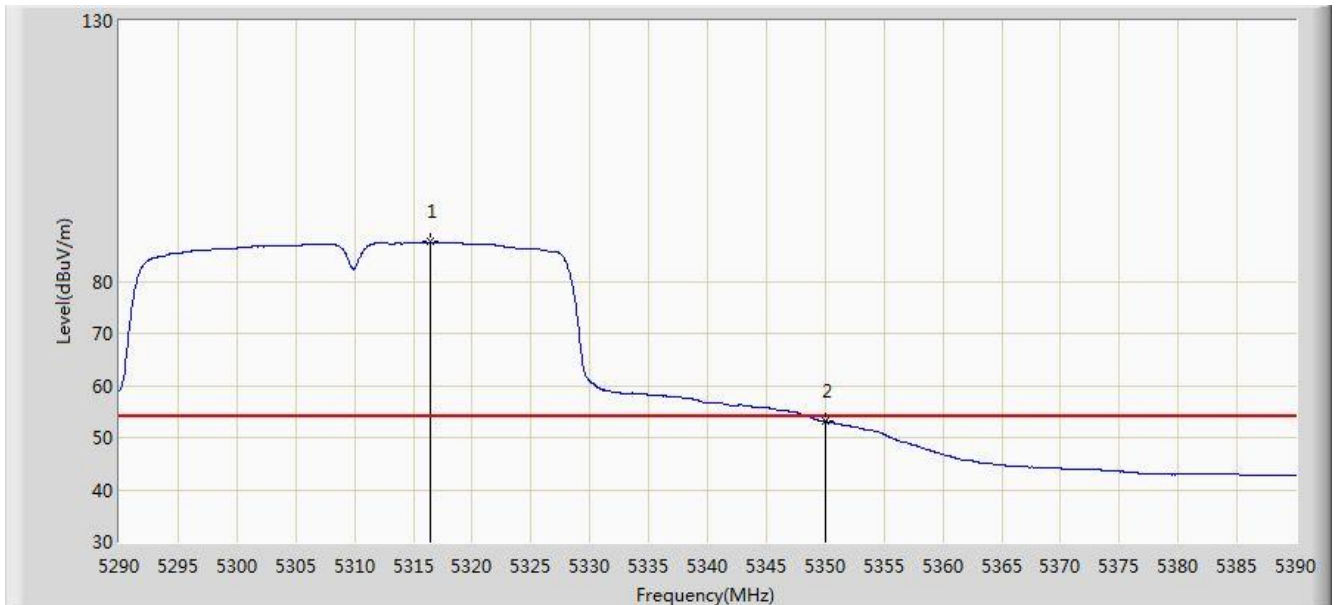


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5304.450	101.429	98.319	N/A	N/A	3.110	PK
2			5350.000	66.016	62.984	-7.984	74.000	3.032	PK
3			5352.250	68.333	65.303	-5.667	74.000	3.030	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1	

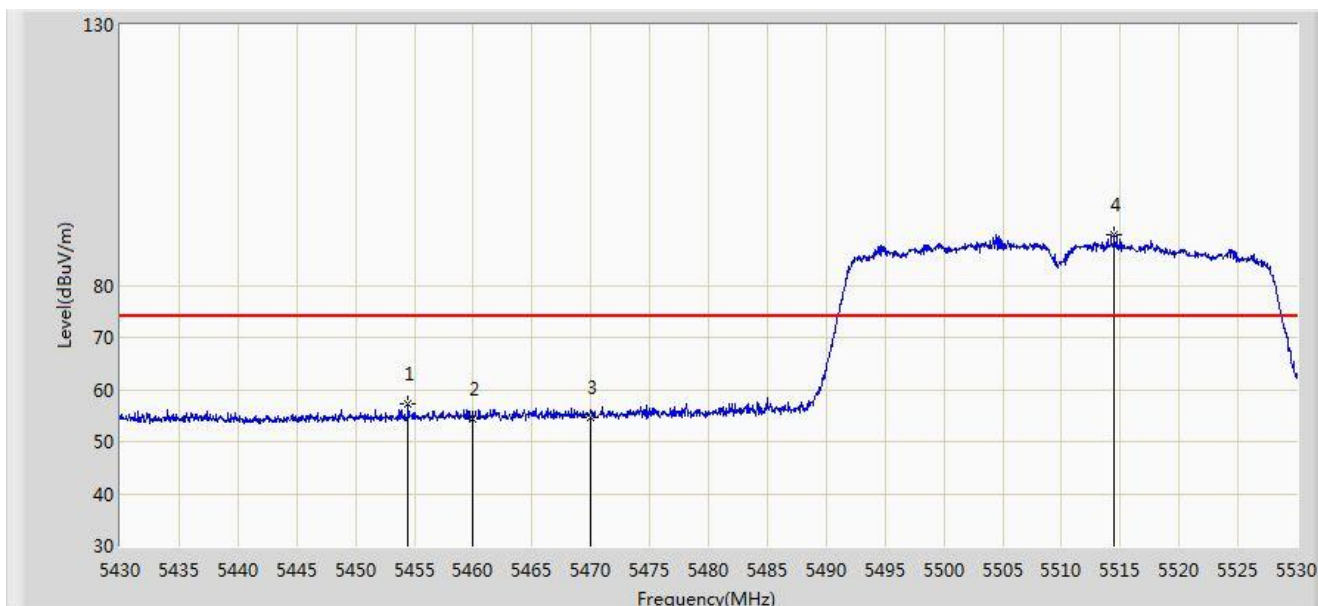


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.450	87.540	84.460	N/A	N/A	3.080	AV
2			5350.000	53.145	50.113	-0.855	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0+1	

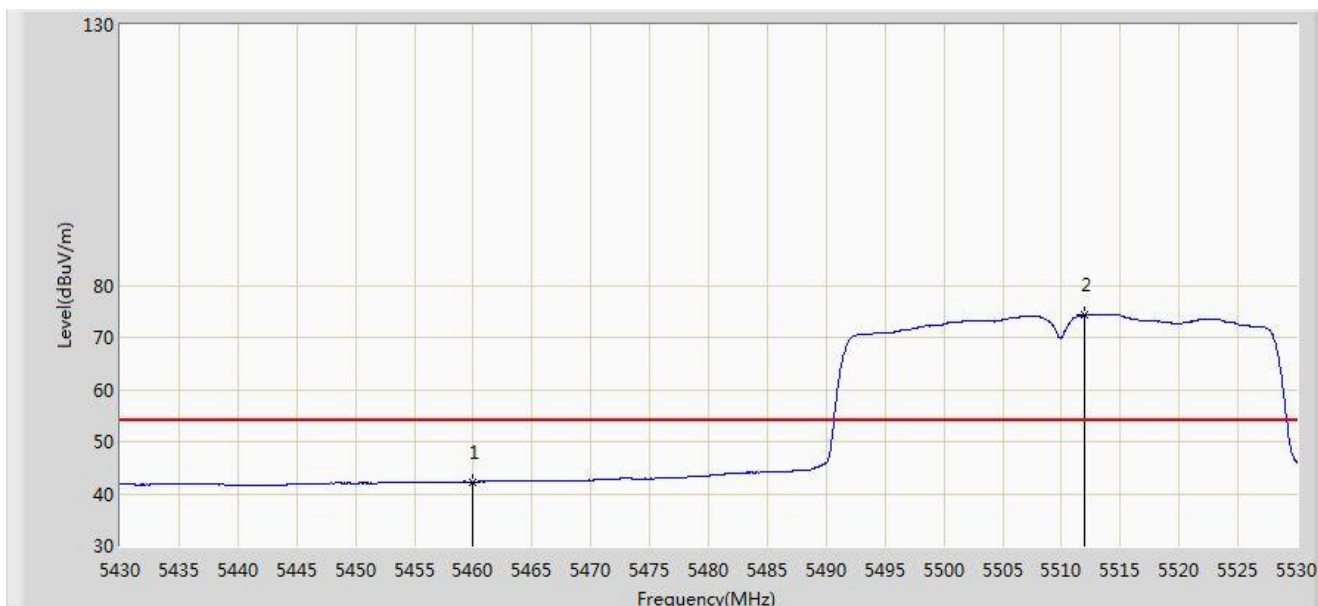


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.450	57.265	53.816	-16.735	74.000	3.449	PK
2			5460.000	54.442	50.960	-19.558	74.000	3.482	PK
3			5470.000	54.710	51.171	-19.290	74.000	3.539	PK
4		*	5514.450	89.840	86.329	N/A	N/A	3.510	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0+1	

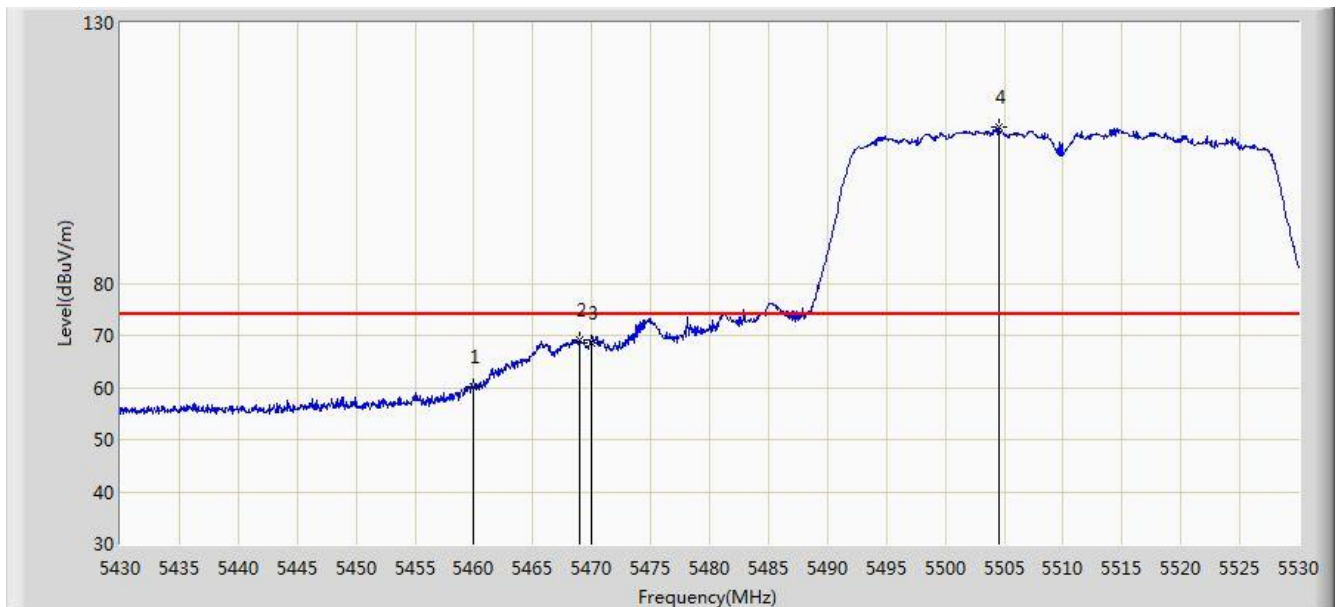


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	42.299	38.817	-11.701	54.000	3.482	AV
2		*	5511.900	74.256	70.742	N/A	N/A	3.514	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0+1	

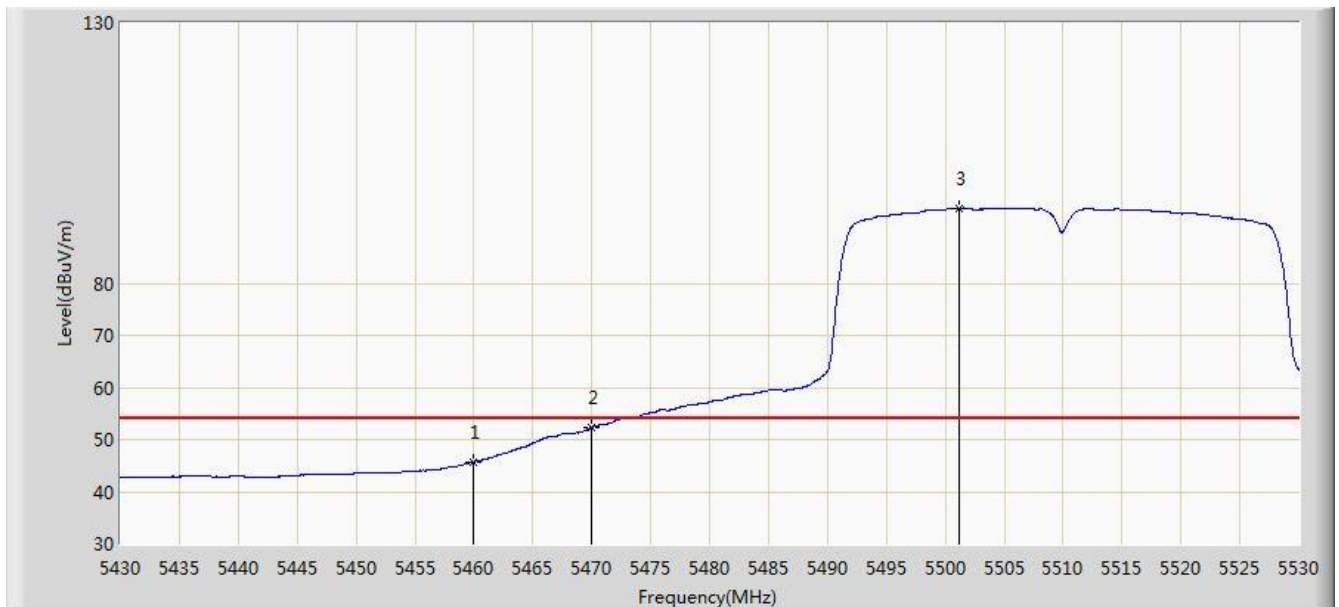


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	60.068	56.586	-13.932	74.000	3.482	PK
2			5468.950	69.169	65.636	-4.831	74.000	3.533	PK
3			5470.000	68.675	65.136	-5.325	74.000	3.539	PK
4		*	5504.550	109.998	106.477	N/A	N/A	3.521	PK

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

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

Site: AC1	Time: 2017/04/15 - 13:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0+1	

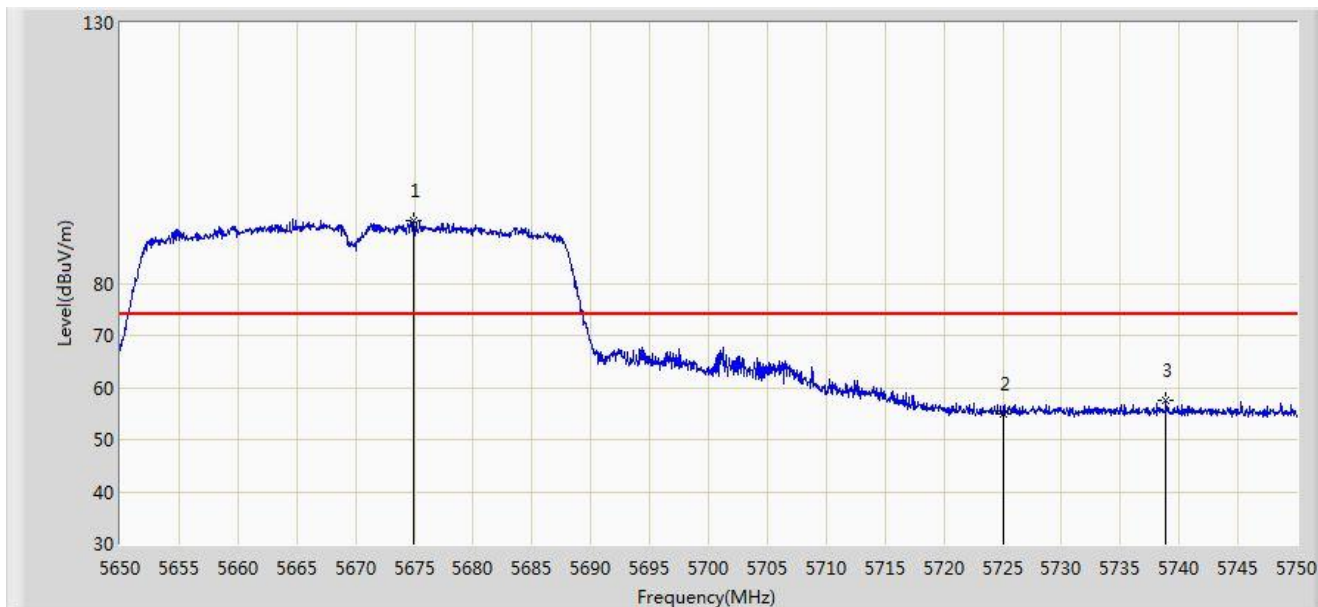


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.701	42.219	-8.299	54.000	3.482	AV
2			5470.000	52.356	48.817	-1.644	54.000	3.539	AV
3		*	5501.150	94.472	90.947	N/A	N/A	3.525	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0+1	

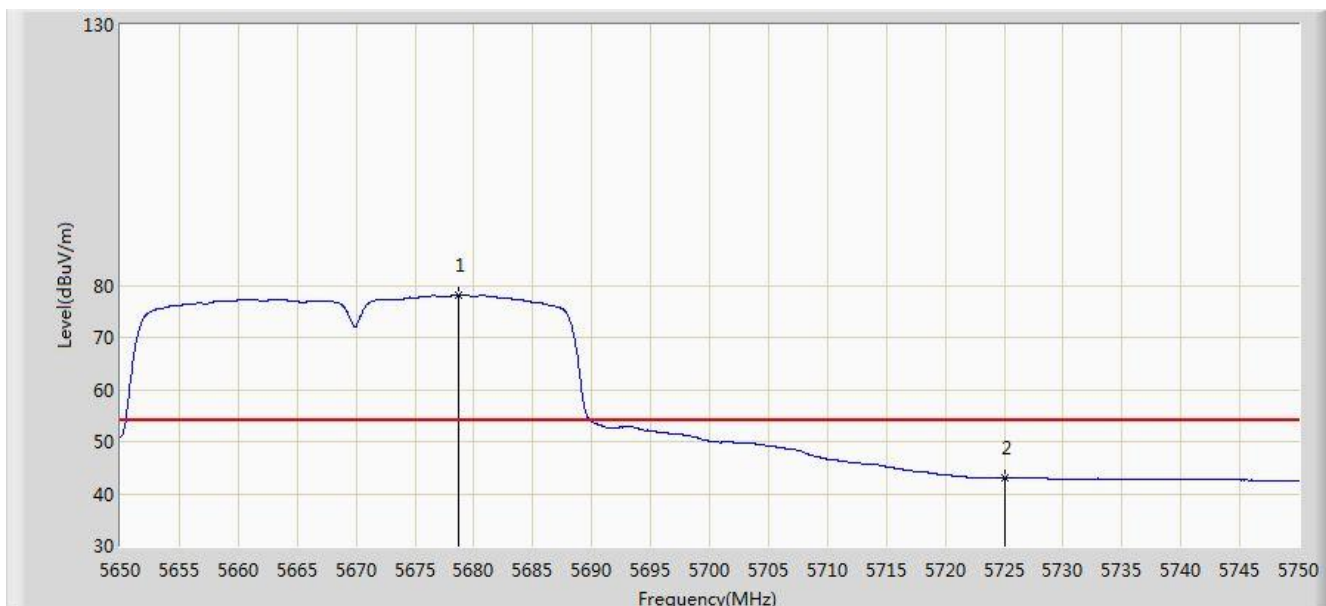


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.900	92.084	88.415	N/A	N/A	3.669	PK
2			5725.000	54.868	51.077	-19.132	74.000	3.791	PK
3			5738.850	57.558	53.724	-16.442	74.000	3.834	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0+1	

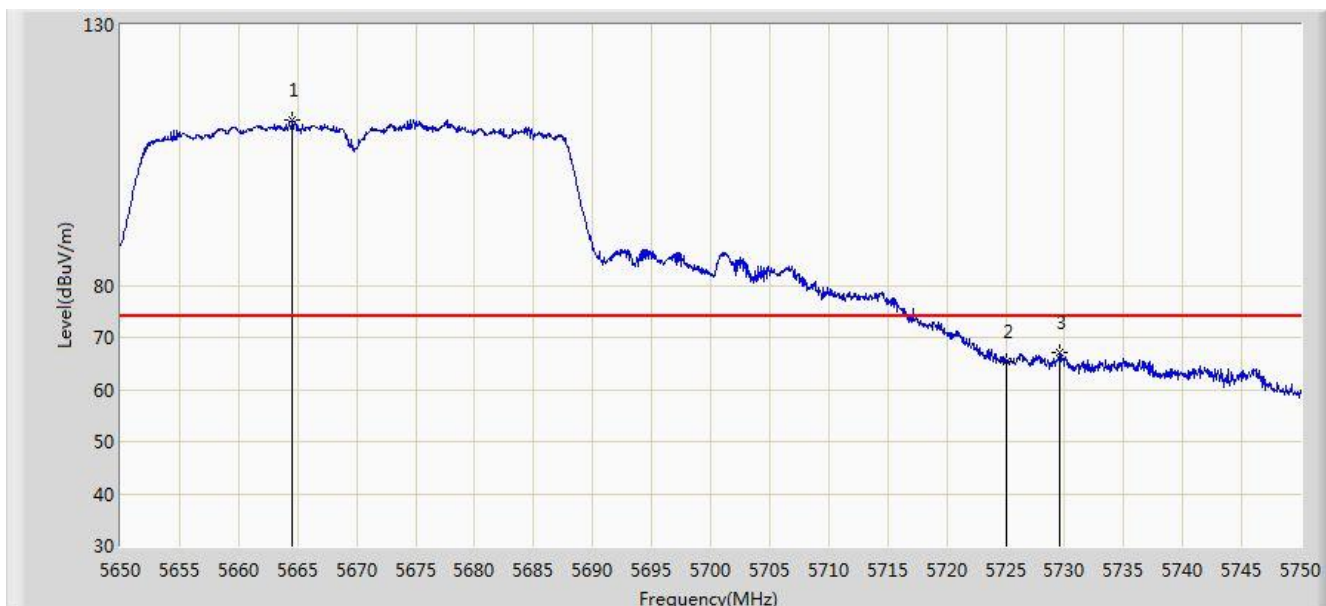


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5678.650	78.080	74.403	N/A	N/A	3.677	AV
2			5725.000	43.011	39.220	-10.989	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0+1	

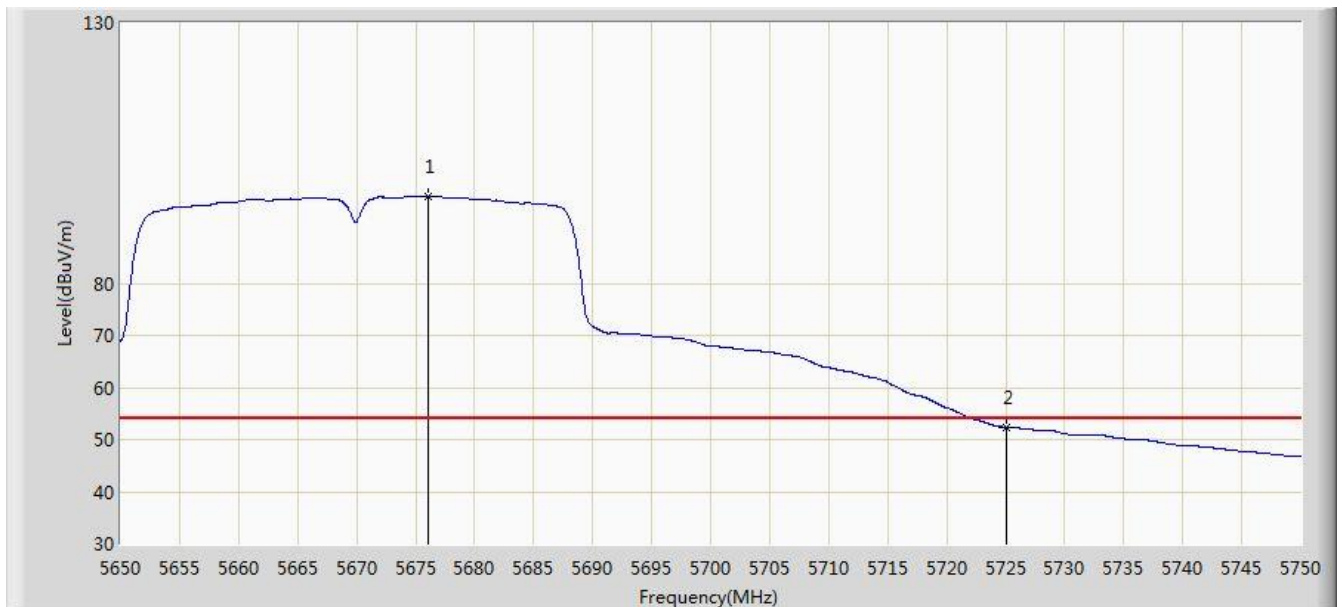


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5664.550	111.804	108.151	N/A	N/A	3.653	PK
2			5725.000	65.231	61.440	-8.769	74.000	3.791	PK
3			5729.600	67.063	63.258	-6.937	74.000	3.805	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0+1	

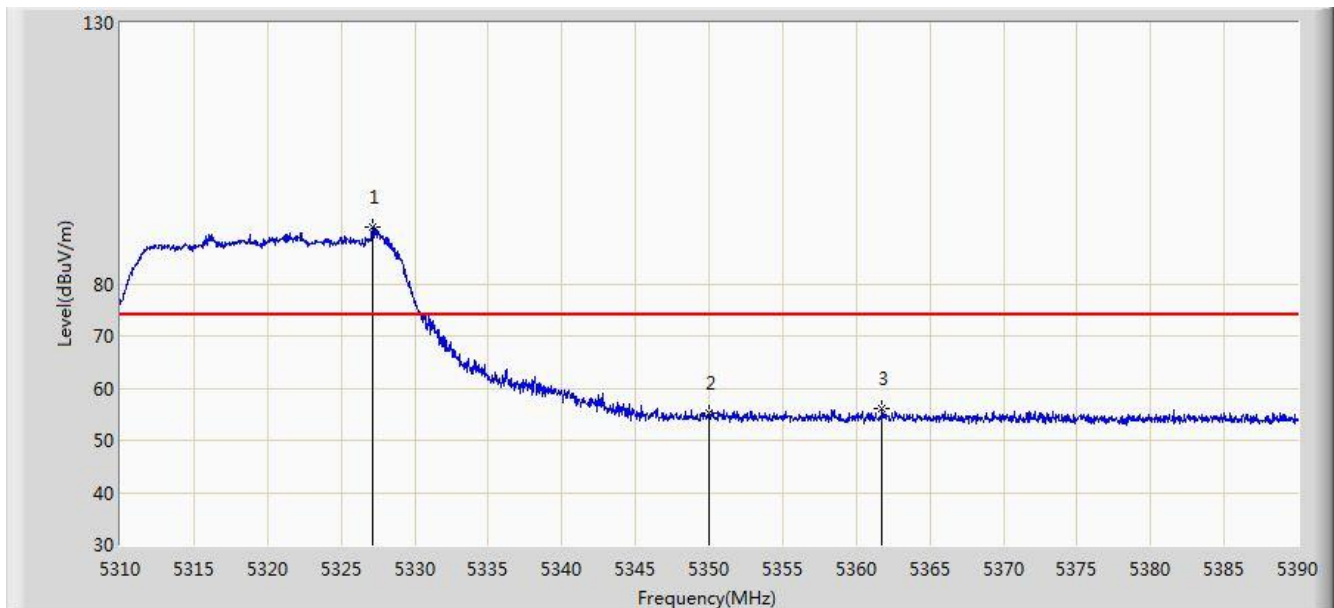


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5676.050	96.682	93.011	N/A	N/A	3.672	AV
2			5725.000	52.363	48.572	-1.637	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5320MHz Ant 0+1	

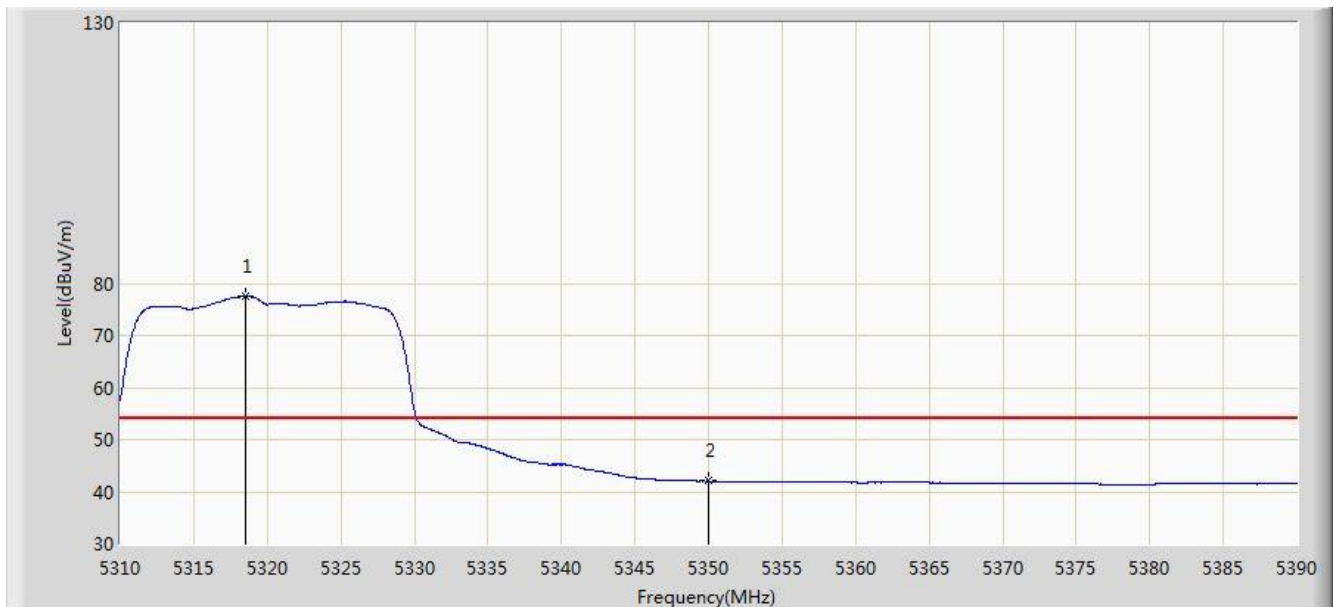


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5327.120	90.815	87.756	N/A	N/A	3.059	PK
2			5350.000	55.186	52.154	-18.814	74.000	3.032	PK
3			5361.760	55.998	52.978	-18.002	74.000	3.020	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5320MHz Ant 0+1	

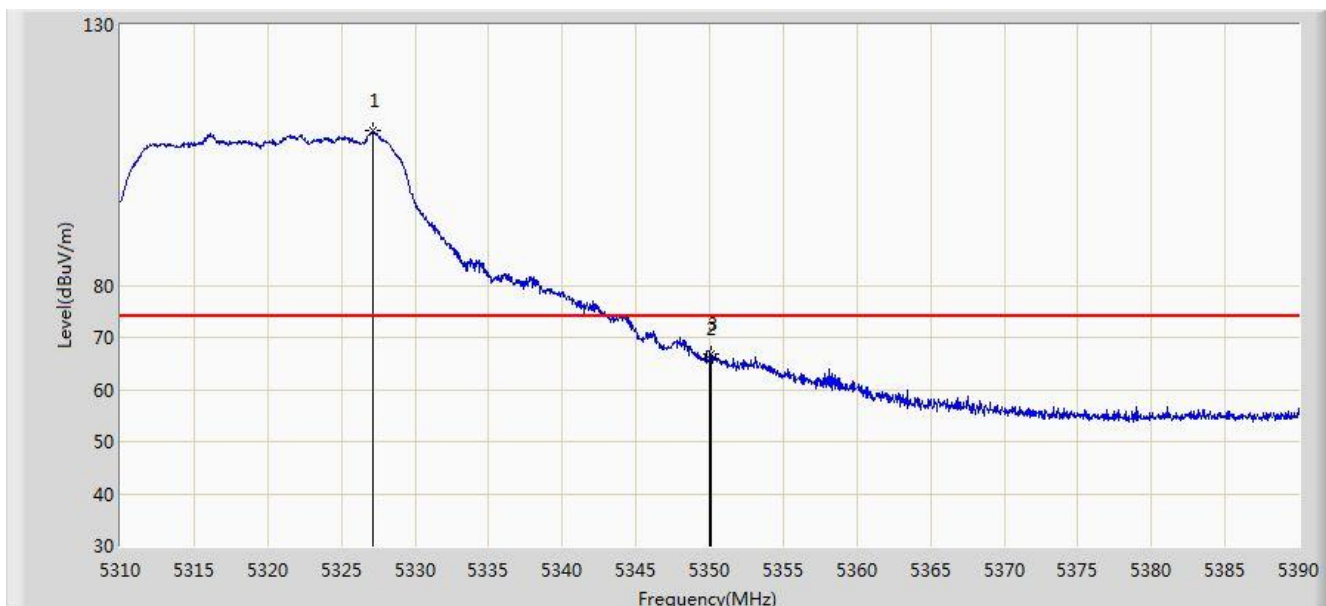


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.560	77.471	74.395	N/A	N/A	3.076	AV
2			5350.000	42.037	39.005	-11.963	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5320MHz Ant 0+1	

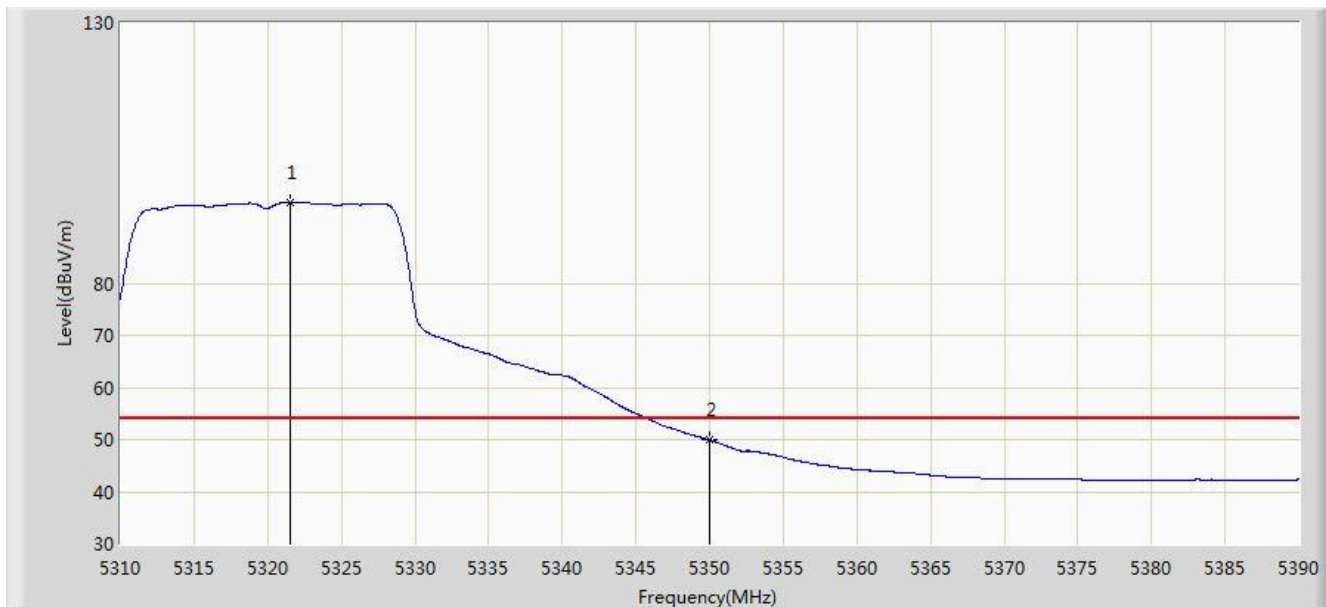


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.120	109.576	106.517	N/A	N/A	3.059	PK
2			5350.000	65.853	62.821	-8.147	74.000	3.032	PK
3			5350.120	66.698	63.666	-7.302	74.000	3.032	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5320MHz Ant 0+1	

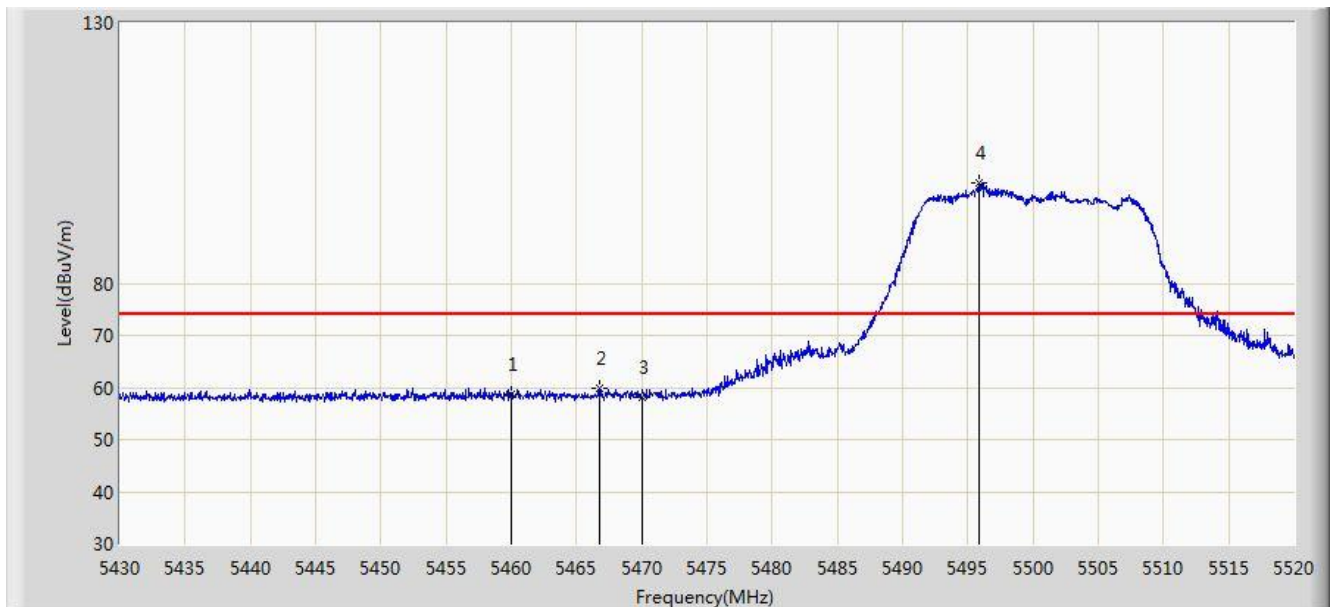


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.520	95.640	92.570	N/A	N/A	3.070	AV
2			5350.000	49.958	46.926	-4.042	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5500MHz Ant 0+1	

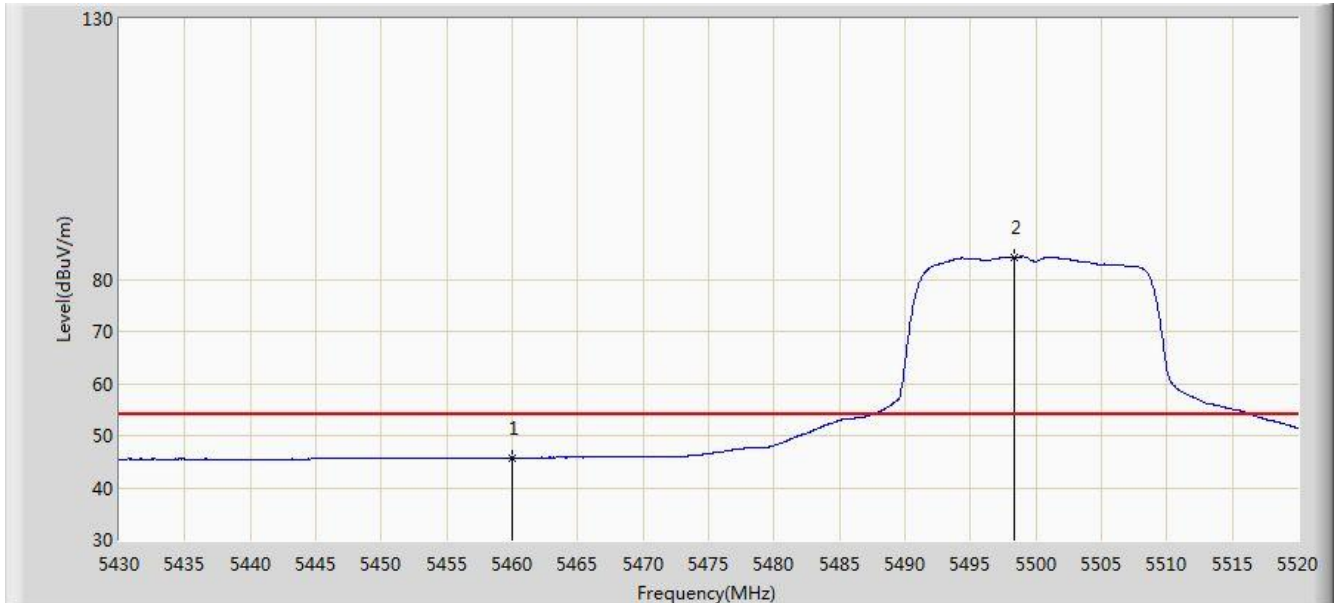


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	58.677	55.195	-15.323	74.000	3.482	PK
2			5466.720	59.832	56.312	-14.168	74.000	3.520	PK
3			5470.000	58.118	54.579	-15.882	74.000	3.539	PK
4		*	5495.880	99.182	95.651	N/A	N/A	3.530	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5500MHz Ant 0+1	

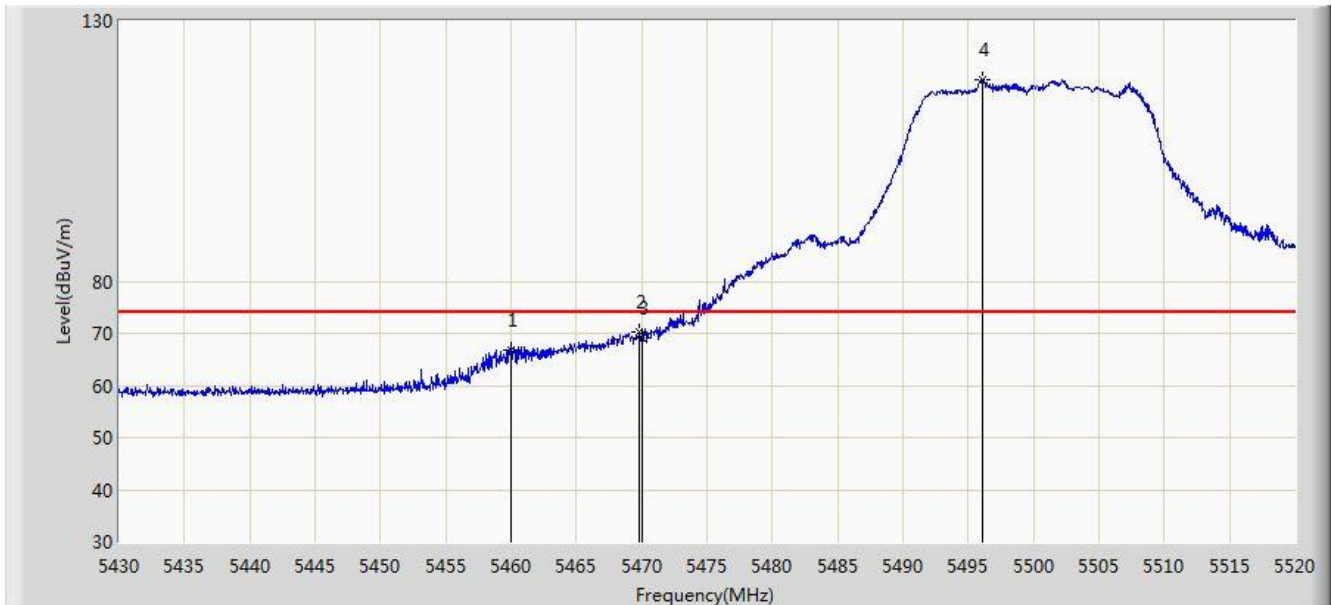


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.796	42.314	-8.204	54.000	3.482	AV
2		*	5498.400	84.315	80.787	N/A	N/A	3.528	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5500MHz Ant 0+1	

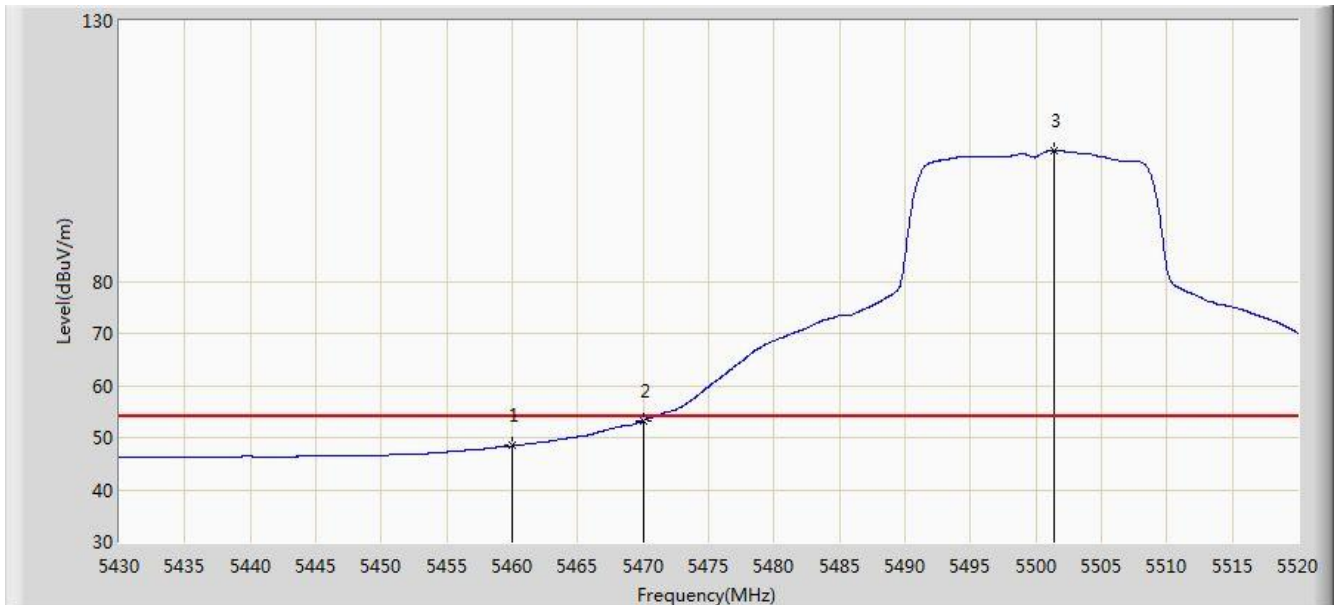


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	66.867	63.385	-7.133	74.000	3.482	PK
2			5469.825	70.257	66.719	-3.743	74.000	3.538	PK
3			5470.000	69.067	65.528	-4.933	74.000	3.539	PK
4		*	5496.060	118.790	115.259	N/A	N/A	3.530	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5500MHz Ant 0+1	

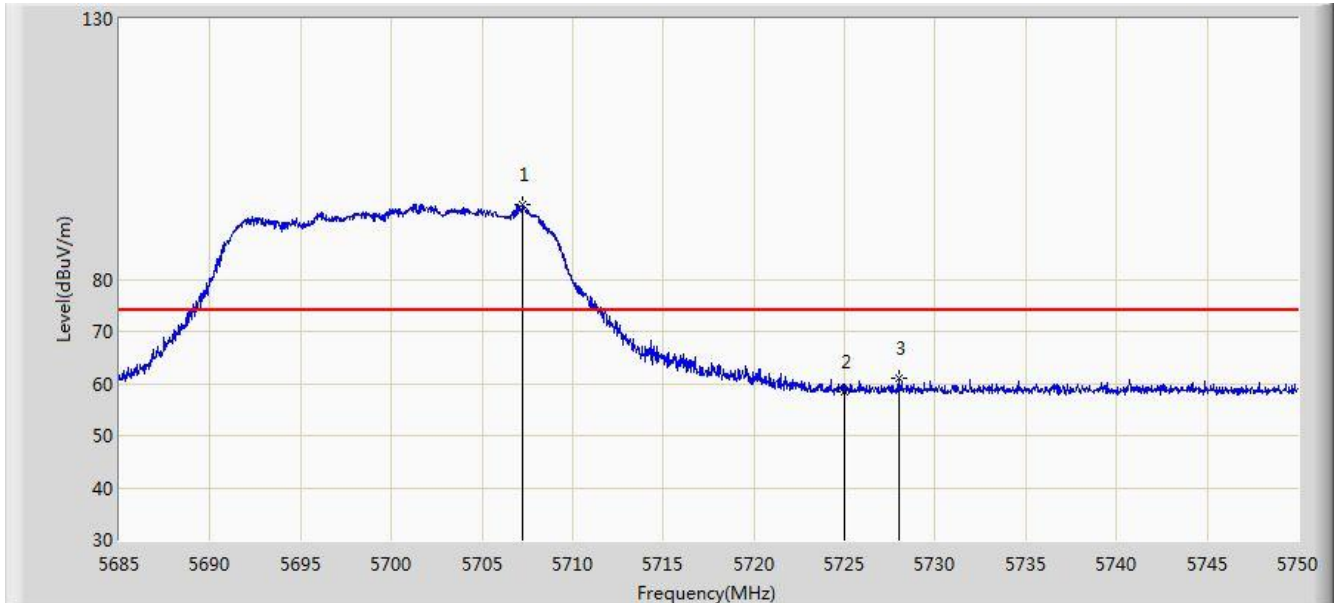


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.410	44.928	-5.590	54.000	3.482	AV
2			5470.000	53.227	49.688	-0.773	54.000	3.539	AV
3		*	5501.370	105.047	101.522	N/A	N/A	3.525	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5700MHz Ant 0+1	

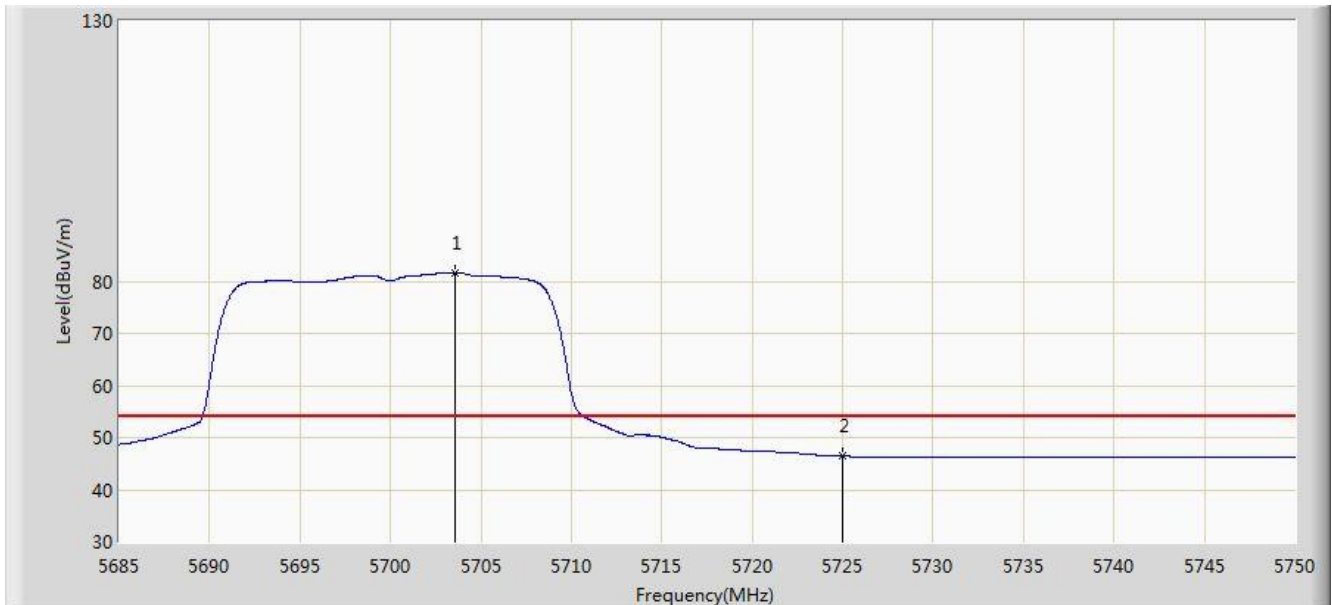


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5707.197	94.278	90.541	N/A	N/A	3.737	PK
2			5725.000	58.536	54.745	-15.464	74.000	3.791	PK
3			5727.998	60.895	57.095	-13.105	74.000	3.800	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5700MHz Ant 0+1	

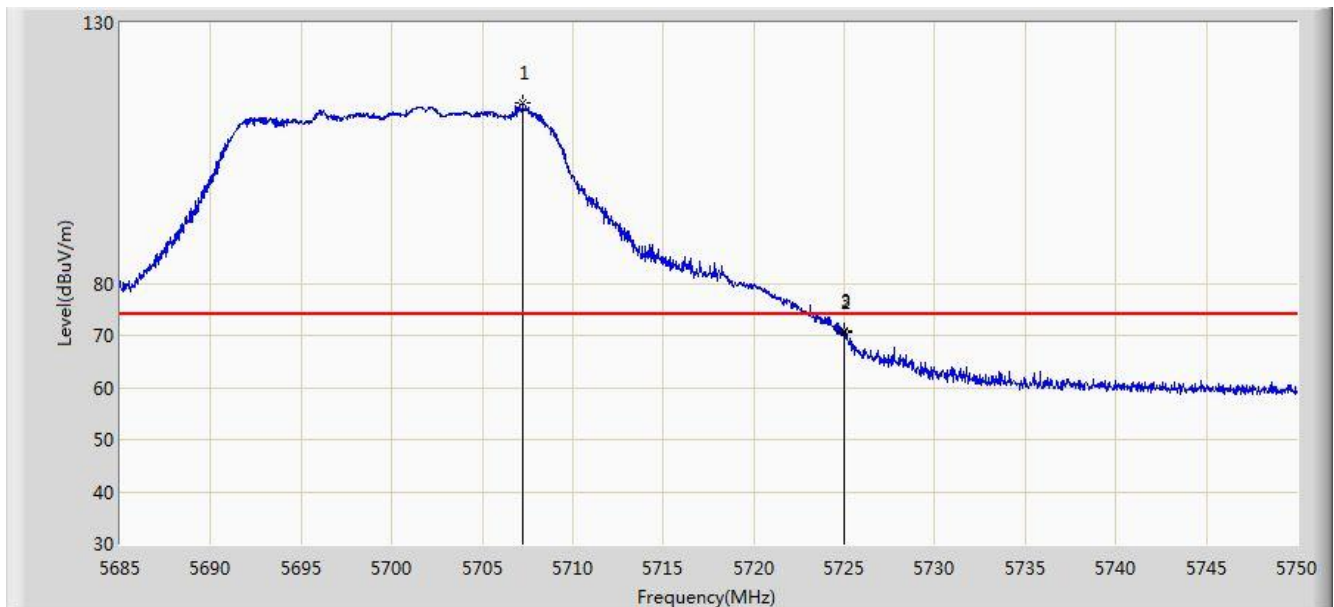


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.558	81.515	77.790	N/A	N/A	3.724	AV
2			5725.000	46.407	42.616	-7.593	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5700MHz Ant 0+1	

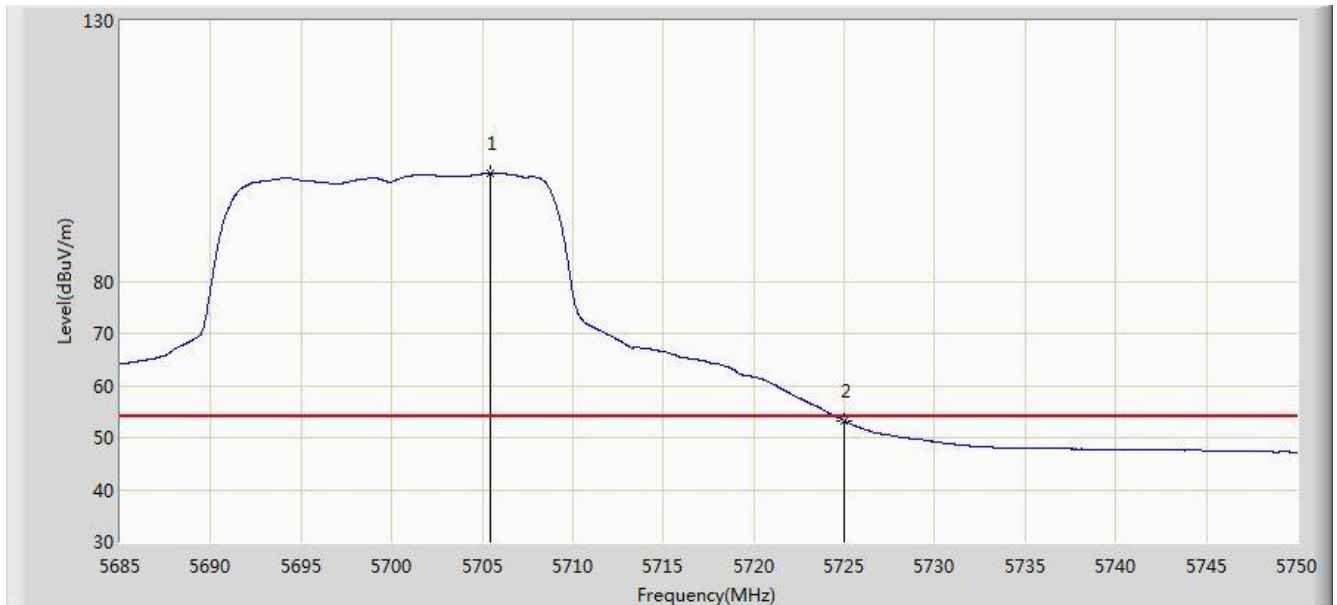


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5707.230	114.522	110.785	N/A	N/A	3.737	PK
2			5725.000	70.597	66.806	-3.403	74.000	3.791	PK
3			5725.007	70.790	66.999	-3.210	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT20 at channel 5700MHz Ant 0+1	

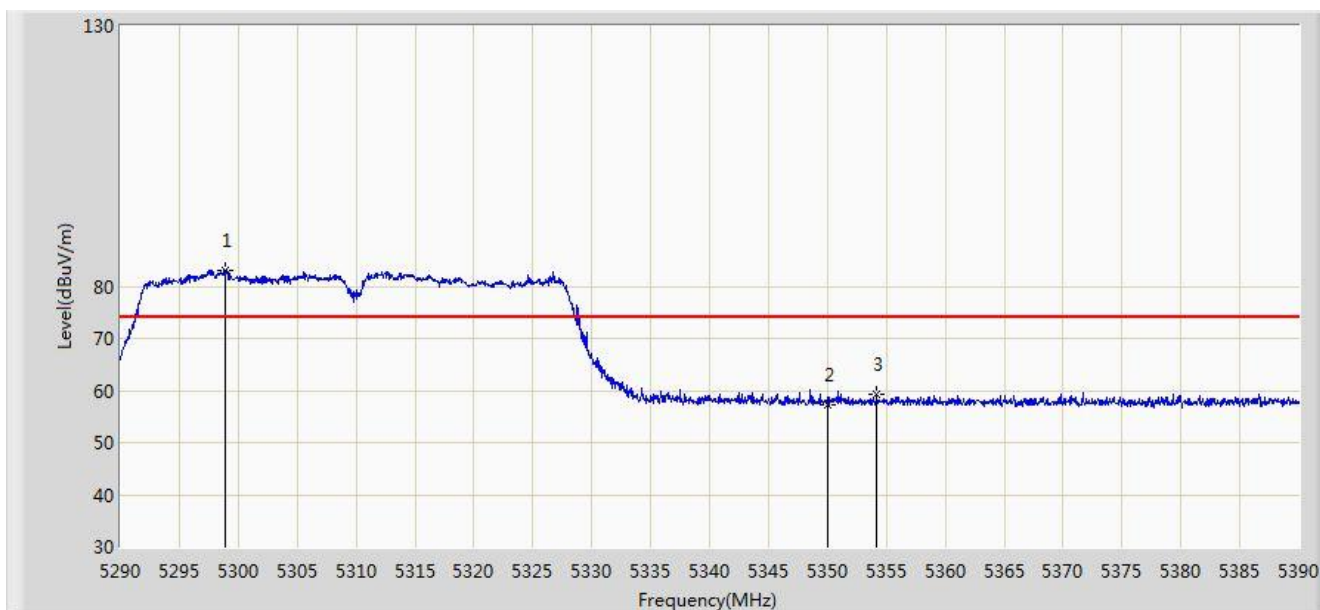


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.475	100.774	97.042	N/A	N/A	3.732	AV
2			5725.000	53.245	49.454	-0.755	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5310MHz Ant 0+1	

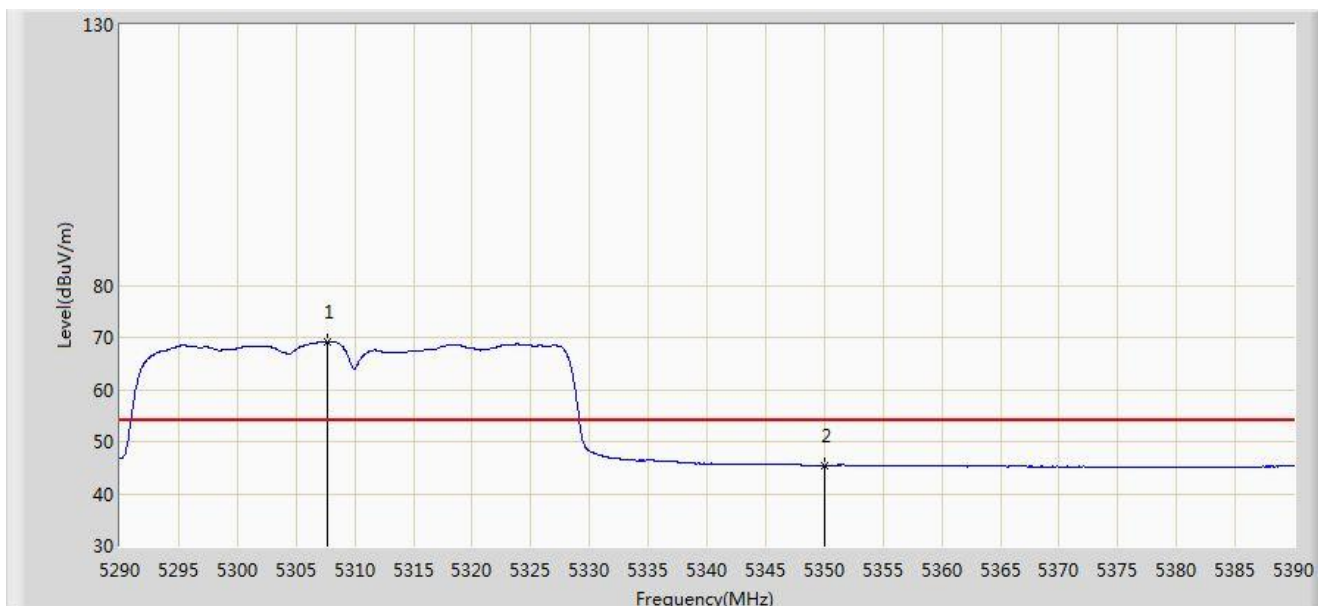


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5298.950	83.105	79.981	N/A	N/A	3.123	PK
2			5350.000	57.236	54.204	-16.764	74.000	3.032	PK
3			5354.200	59.379	56.351	-14.621	74.000	3.029	PK

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

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

Site: AC1	Time: 2017/04/15 - 15:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5310MHz Ant 0+1	

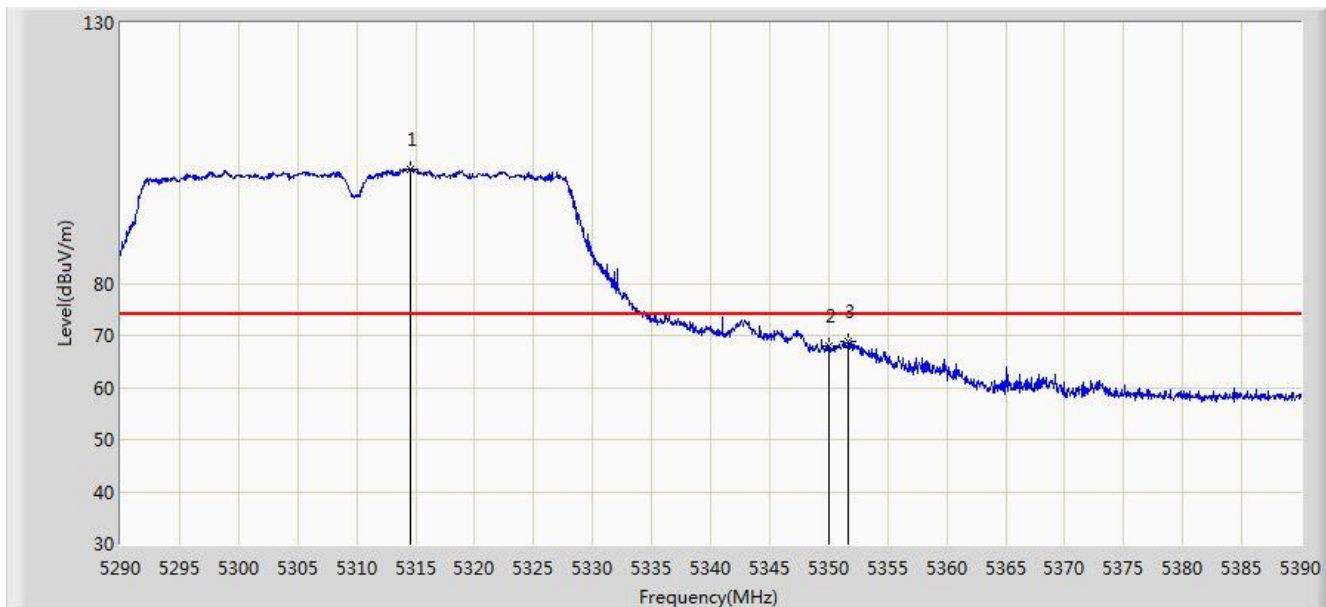


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5307.700	69.200	66.098	N/A	N/A	3.101	AV
2			5350.000	45.461	42.429	-8.539	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5310MHz Ant 0+1	

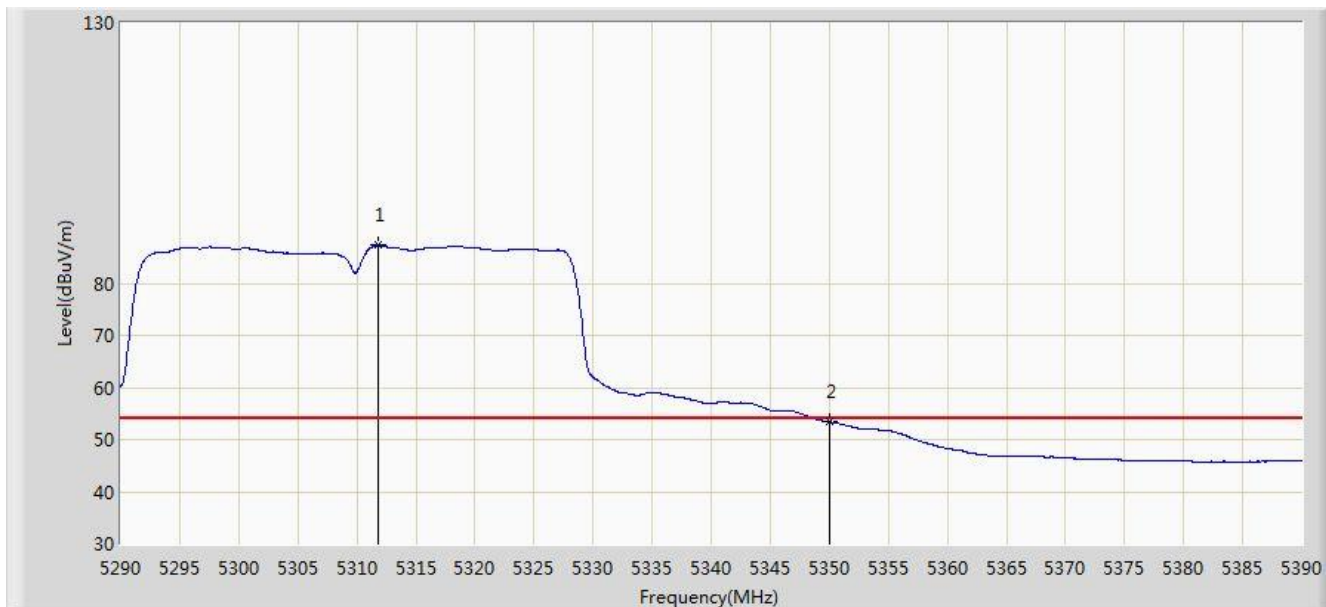


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.500	102.028	98.944	N/A	N/A	3.084	PK
2			5350.000	67.932	64.900	-6.068	74.000	3.032	PK
3			5351.650	68.860	65.829	-5.140	74.000	3.031	PK

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

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

Site: AC1	Time: 2017/04/15 - 15:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5310MHz Ant 0+1	

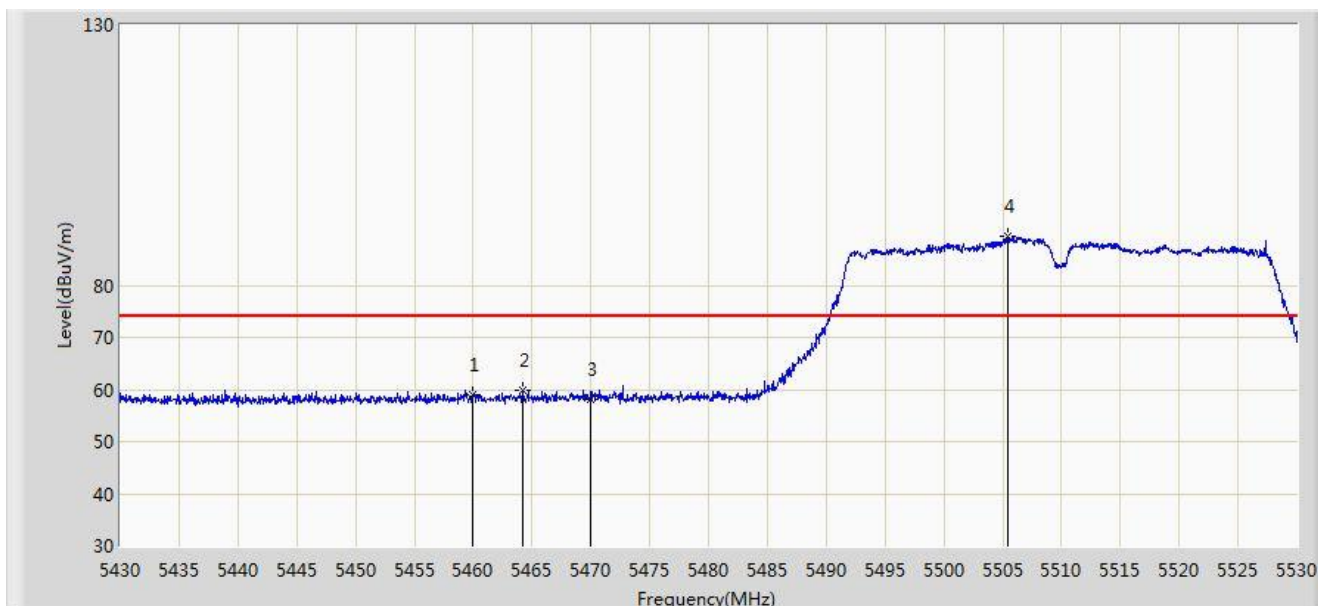


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5311.800	87.373	84.282	N/A	N/A	3.091	AV
2			5350.000	53.437	50.405	-0.563	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5510MHz Ant 0+1	

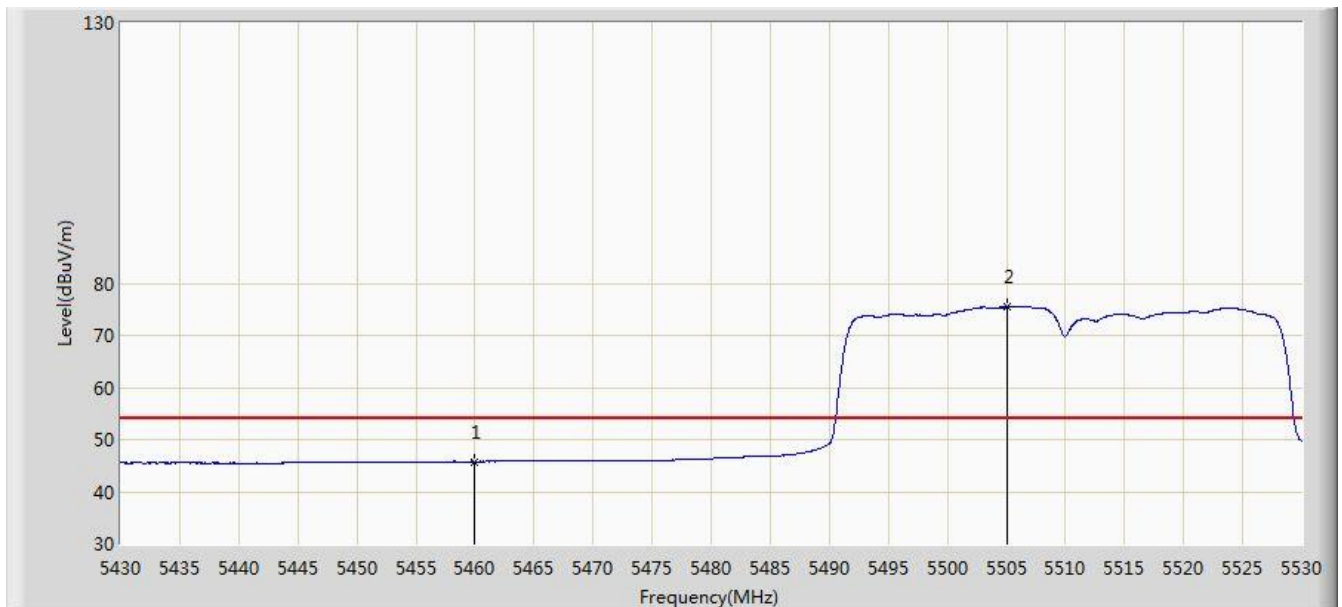


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	58.987	55.505	-15.013	74.000	3.482	PK
2			5464.150	59.756	56.250	-14.244	74.000	3.505	PK
3			5470.000	58.203	54.664	-15.797	74.000	3.539	PK
4		*	5505.500	89.480	85.960	N/A	N/A	3.520	PK

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

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

Site: AC1	Time: 2017/04/15 - 15:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5510MHz Ant 0+1	

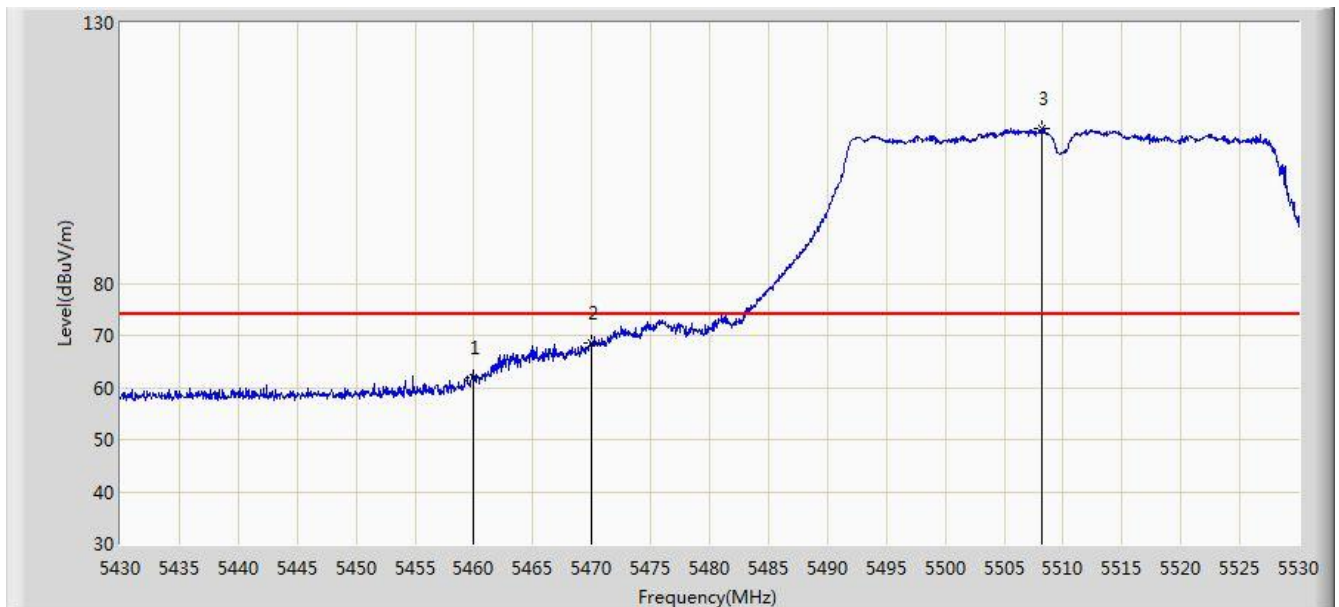


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.795	42.313	-8.205	54.000	3.482	AV
2		*	5505.000	75.508	71.987	N/A	N/A	3.521	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5510MHz Ant 0+1	

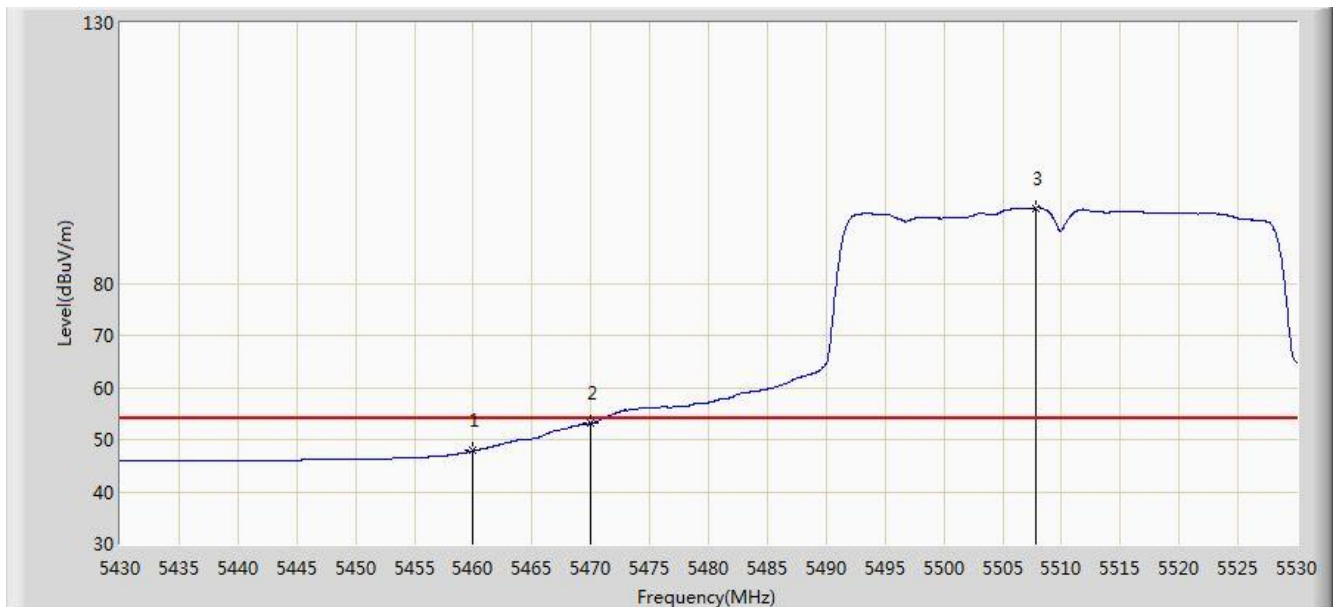


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	61.970	58.488	-12.030	74.000	3.482	PK
2			5470.000	68.657	65.118	-5.343	74.000	3.539	PK
3		*	5508.250	109.711	106.194	N/A	N/A	3.517	PK

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

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

Site: AC1	Time: 2017/04/15 - 15:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5510MHz Ant 0+1	

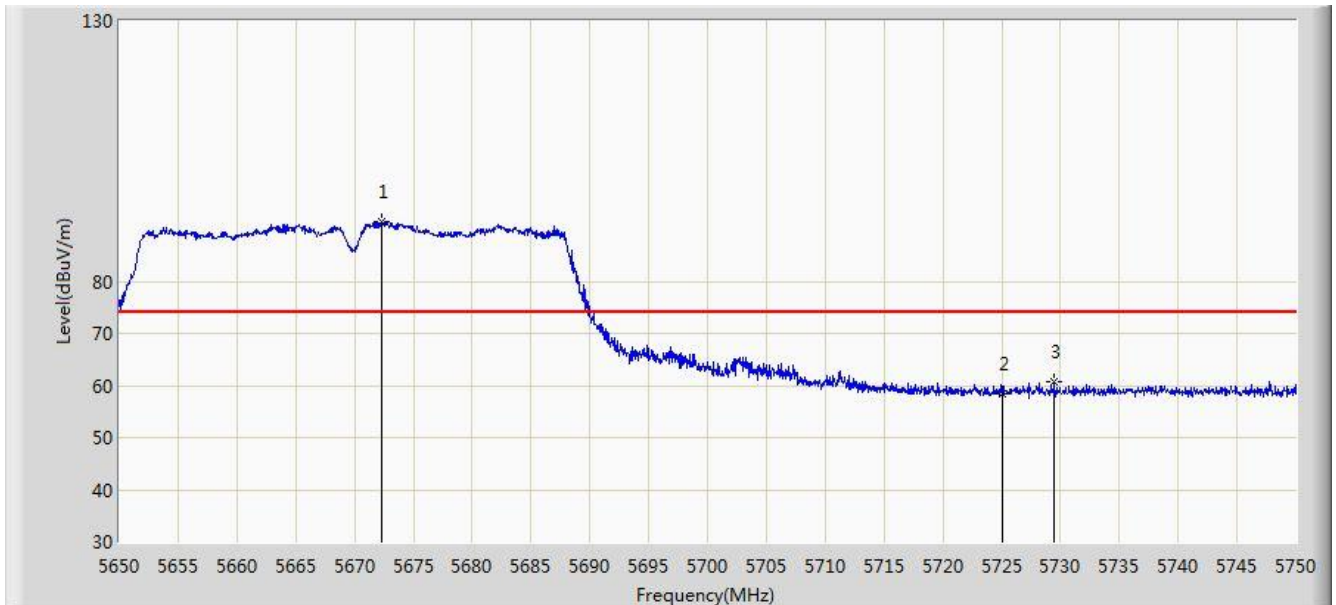


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.839	44.357	-6.161	54.000	3.482	AV
2			5470.000	53.123	49.584	-0.877	54.000	3.539	AV
3		*	5507.850	94.492	90.974	N/A	N/A	3.518	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5670MHz Ant 0+1	

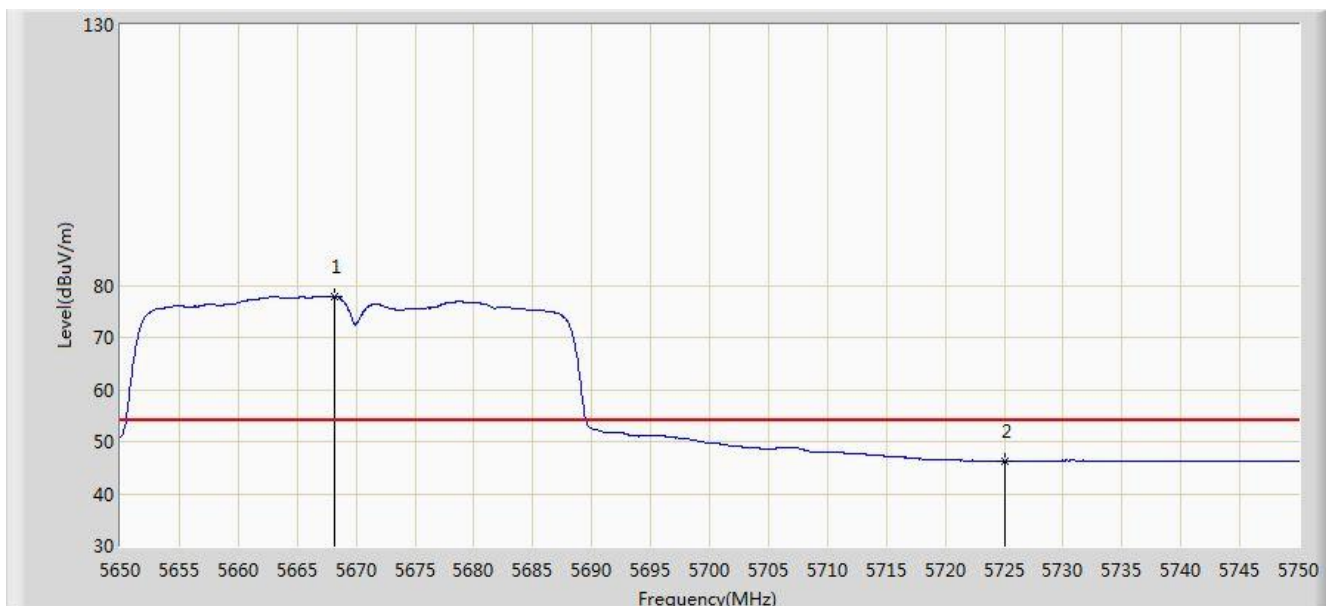


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5672.300	91.554	87.889	N/A	N/A	3.665	PK
2			5725.000	58.493	54.702	-15.507	74.000	3.791	PK
3			5729.450	60.656	56.851	-13.344	74.000	3.805	PK

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

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

Site: AC1	Time: 2017/04/15 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5670MHz Ant 0+1	

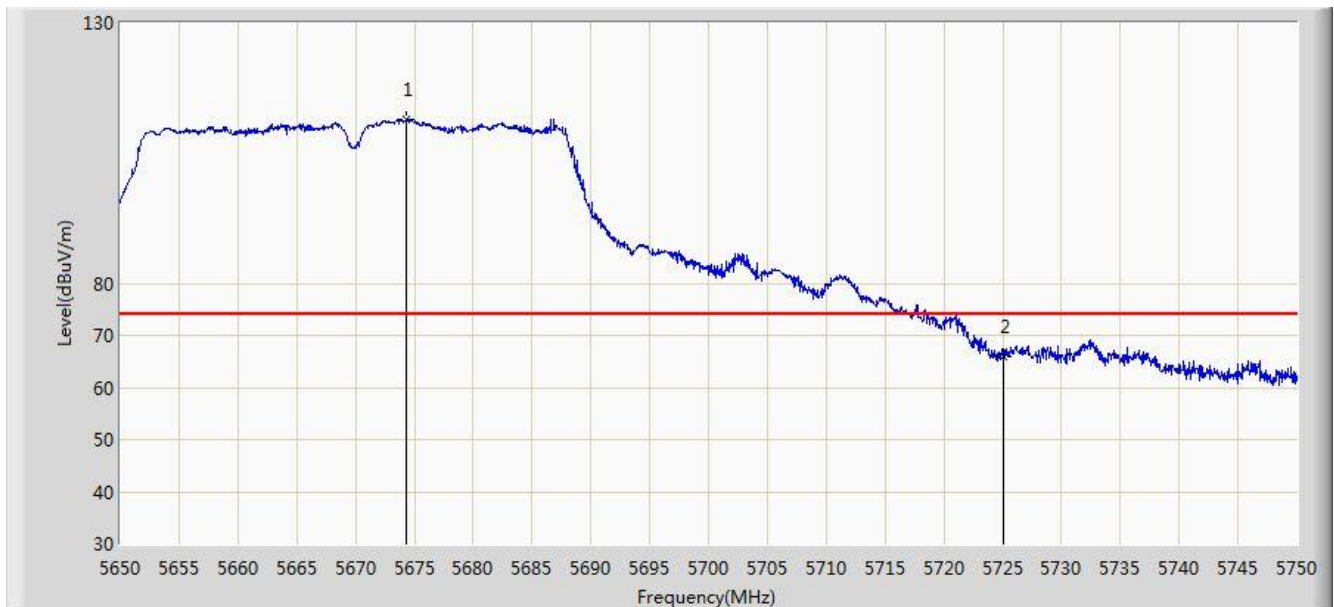


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5668.150	77.892	74.234	N/A	N/A	3.658	AV
2			5725.000	46.333	42.542	-7.667	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 15:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5670MHz Ant 0+1	

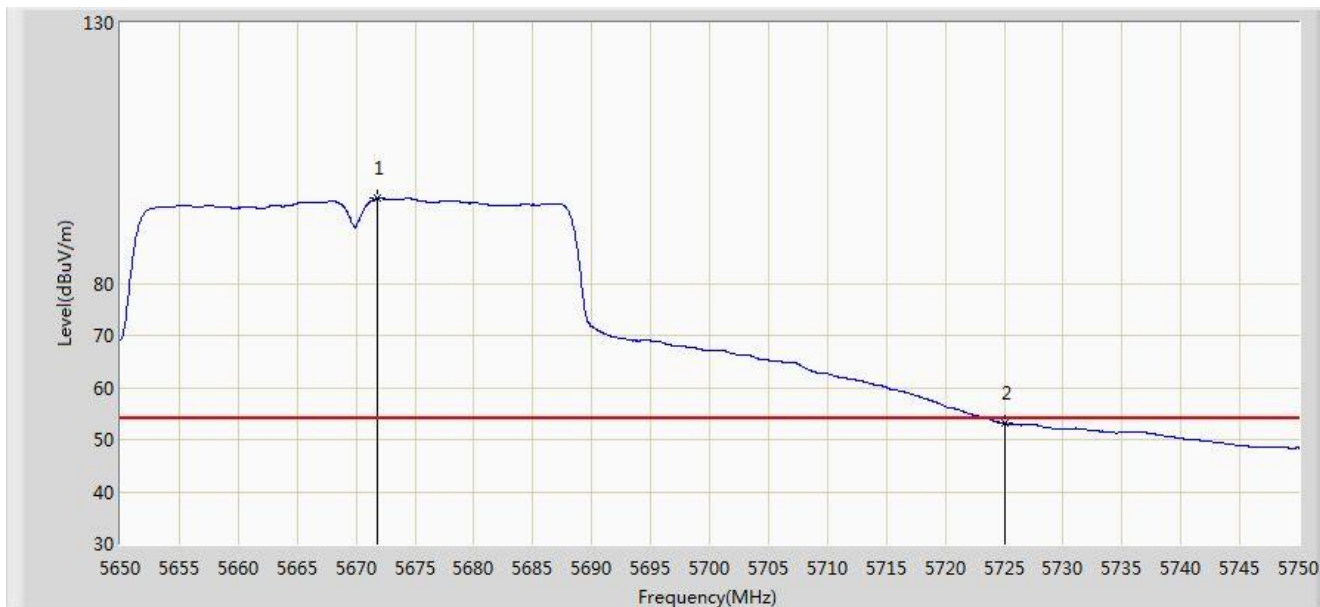


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.250	111.574	107.906	N/A	N/A	3.668	PK
2			5725.000	66.019	62.228	-7.981	74.000	3.791	PK

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

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

Site: AC1	Time: 2017/04/15 - 15:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT40 at channel 5670MHz Ant 0+1	

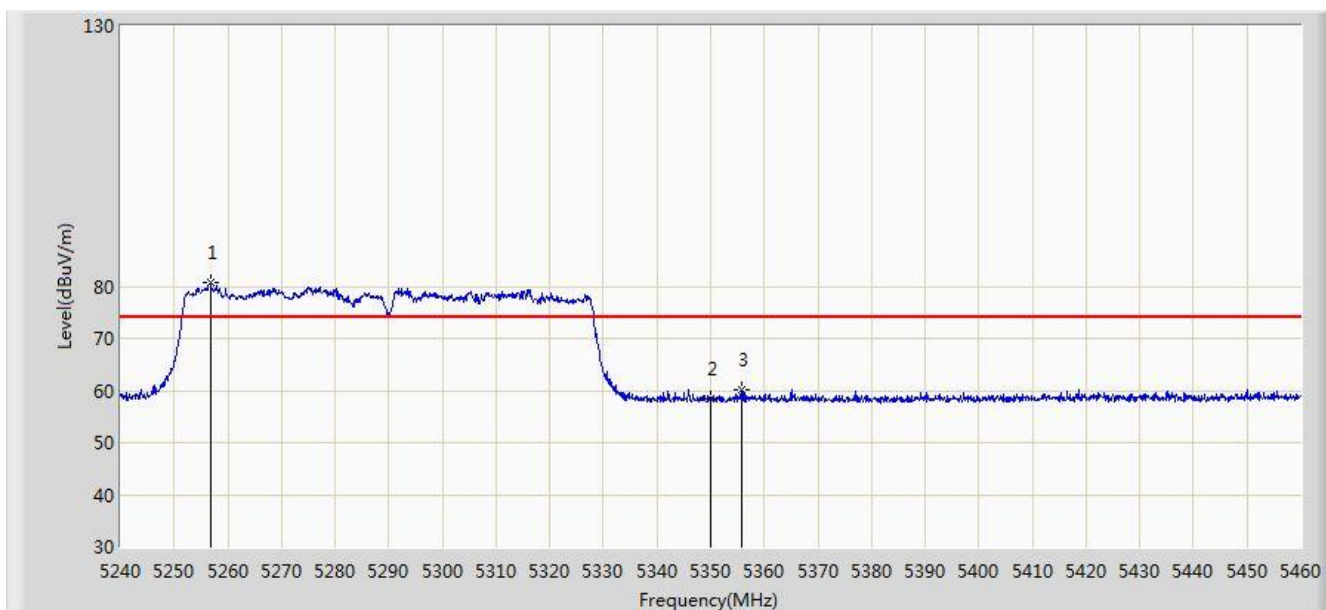


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5671.850	96.310	92.646	N/A	N/A	3.664	AV
2			5725.000	53.141	49.350	-0.859	54.000	3.791	AV

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

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

Site: AC1	Time: 2017/04/15 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5290MHz Ant 0+1	

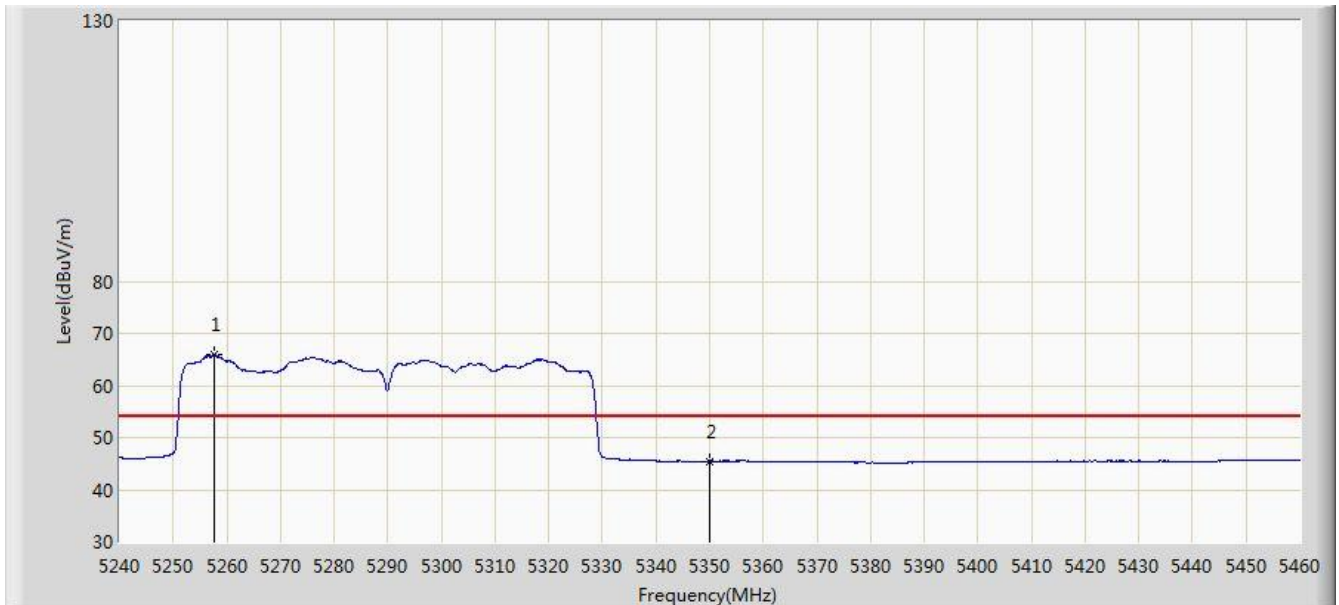


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5256.830	80.727	77.541	N/A	N/A	3.186	PK
2			5350.000	58.411	55.379	-15.589	74.000	3.032	PK
3			5355.720	60.048	57.022	-13.952	74.000	3.026	PK

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

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

Site: AC1	Time: 2017/04/15 - 16:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5290MHz Ant 0+1	

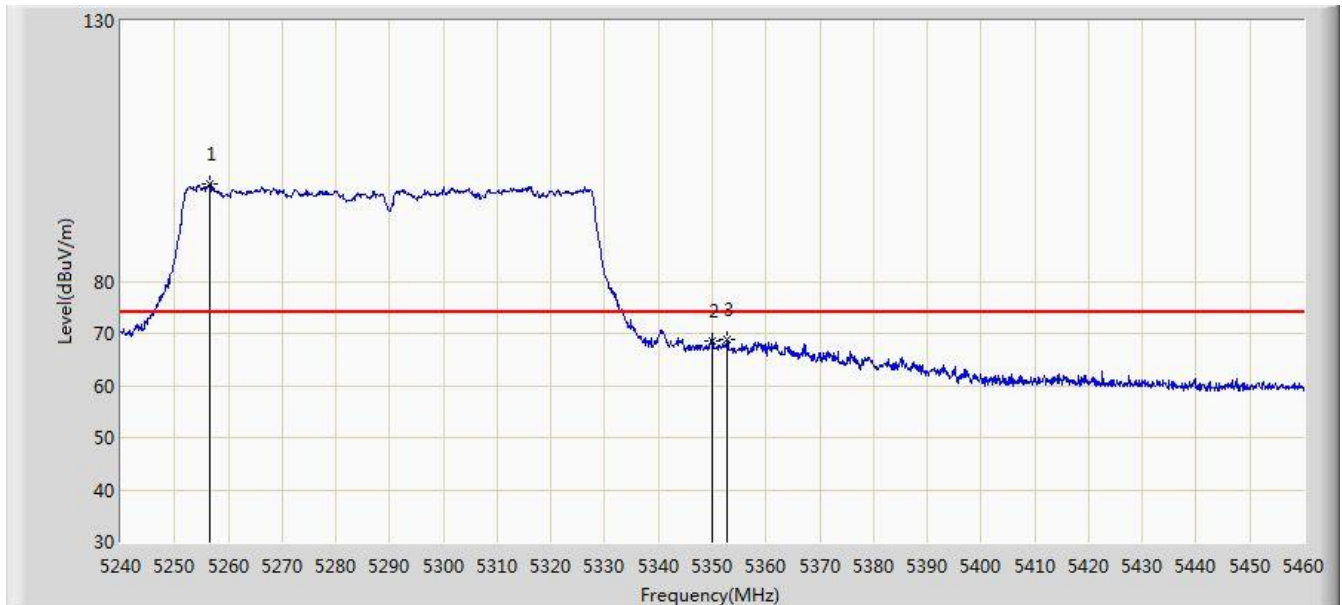


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5257.710	65.837	62.651	N/A	N/A	3.187	AV
2			5350.000	45.493	42.461	-8.507	54.000	3.032	AV

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

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

Site: AC1	Time: 2017/04/15 - 16:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5290MHz Ant 0+1	

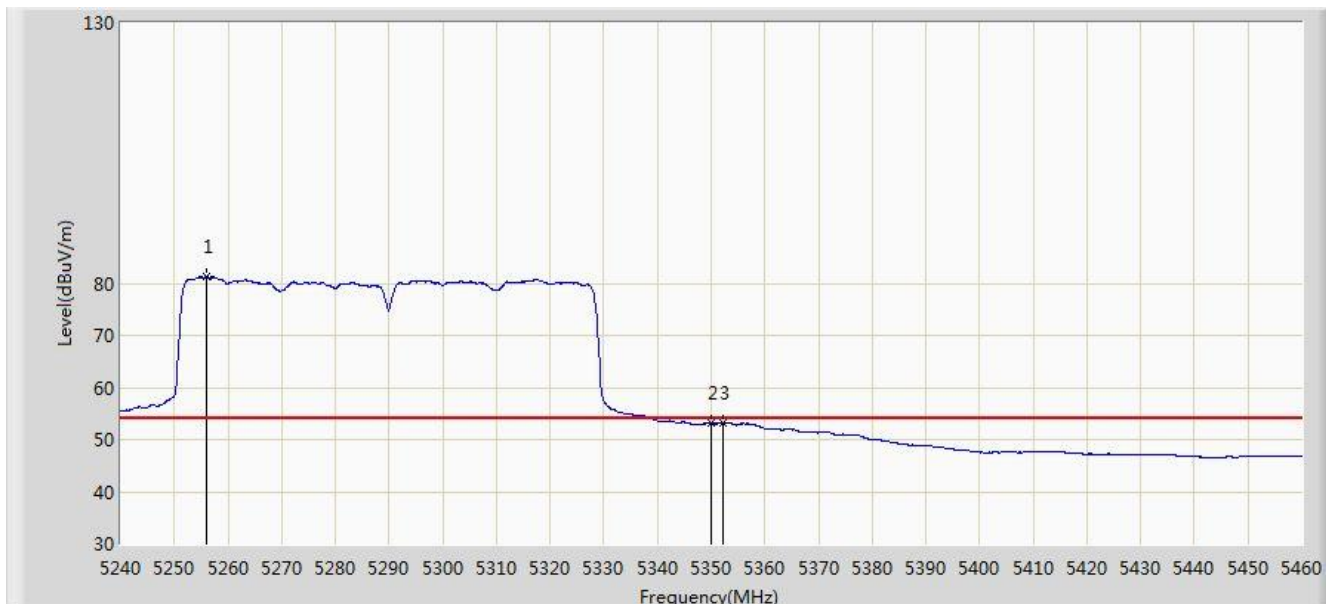


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5256.610	98.592	95.406	N/A	N/A	3.186	PK
2			5350.000	68.519	65.487	-5.481	74.000	3.032	PK
3			5352.640	68.887	65.857	-5.113	74.000	3.031	PK

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

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

Site: AC1	Time: 2017/04/15 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5290MHz Ant 0+1	

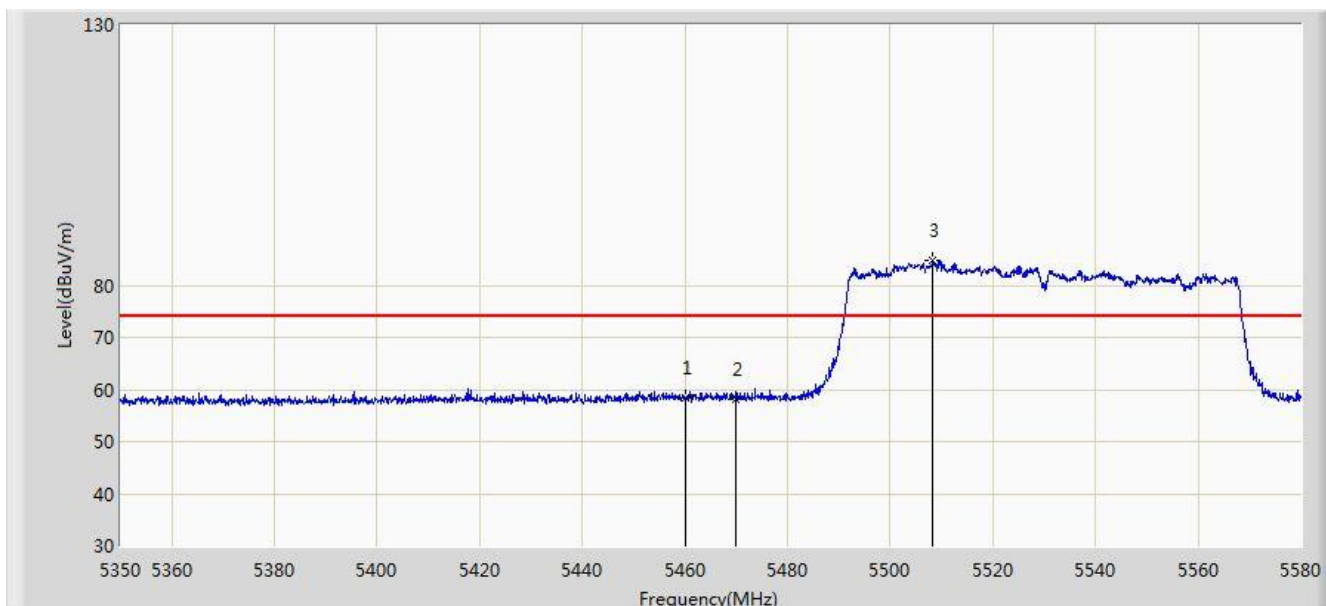


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5256.060	81.234	78.048	N/A	N/A	3.185	AV
2			5350.000	53.072	50.040	-0.928	54.000	3.032	AV
3			5352.200	53.186	50.156	-0.814	54.000	3.030	AV

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

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

Site: AC1	Time: 2017/04/15 - 16:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5530MHz Ant 0+1	

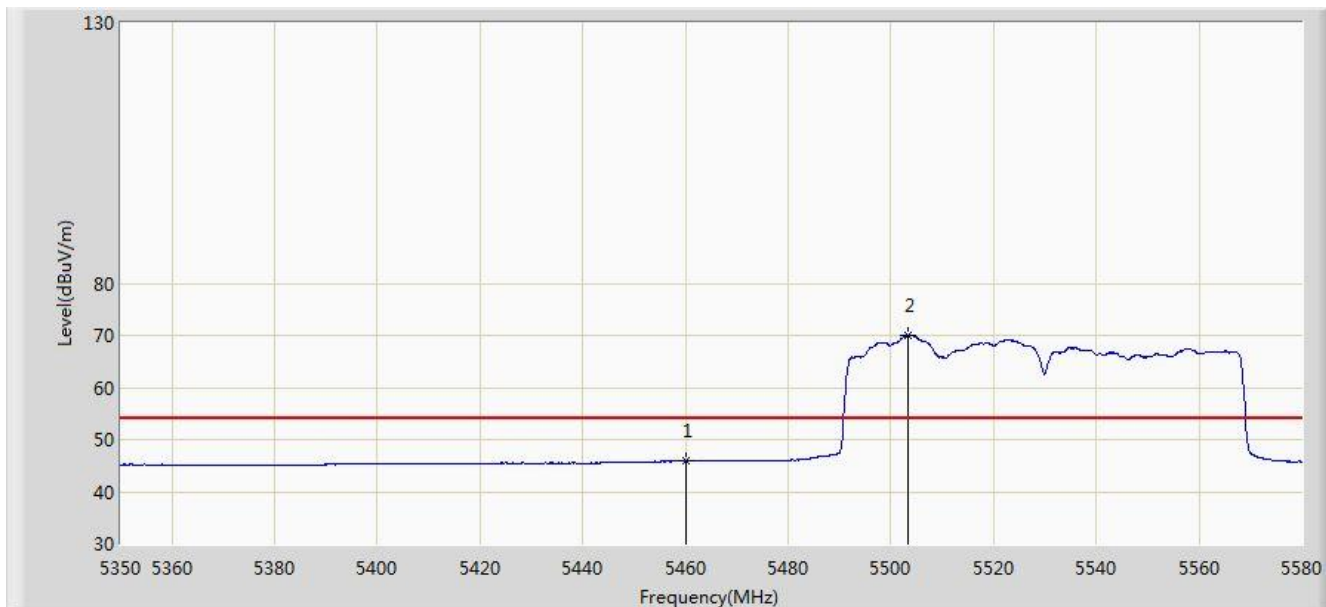


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	58.316	54.834	-15.684	74.000	3.482	PK
2			5470.000	58.248	54.709	-15.752	74.000	3.539	PK
3		*	5508.355	84.875	81.358	N/A	N/A	3.517	PK

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

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

Site: AC1	Time: 2017/04/15 - 16:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5530MHz Ant 0+1	

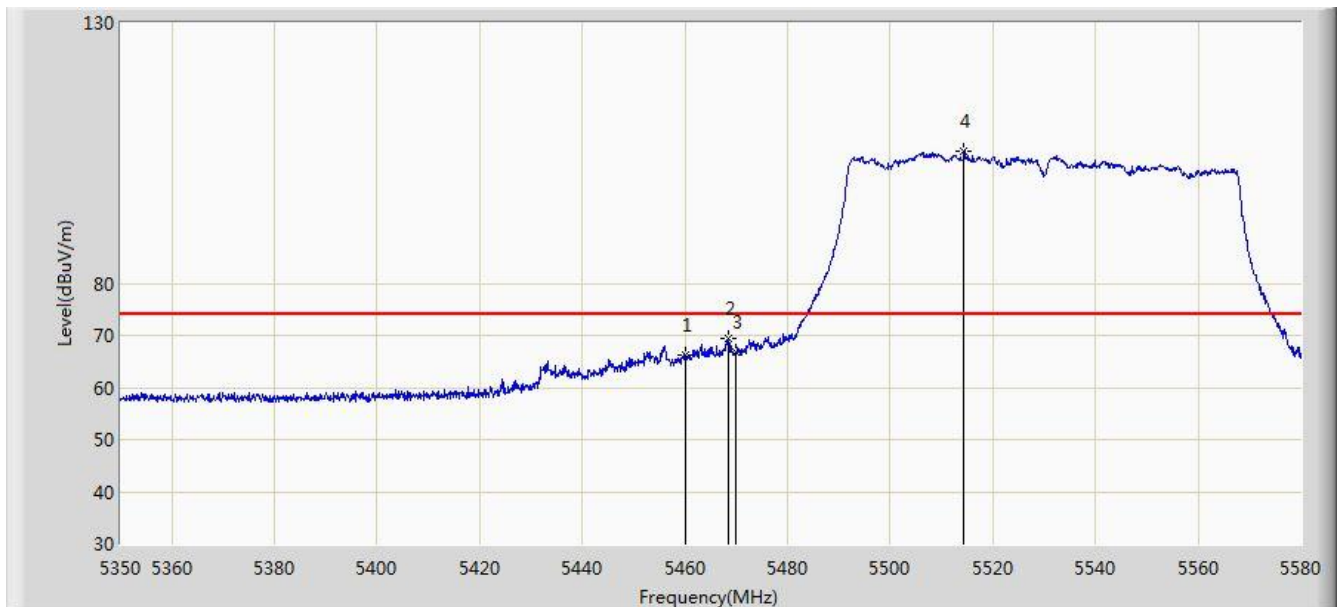


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.883	42.401	-8.117	54.000	3.482	AV
2		*	5503.410	70.121	66.599	N/A	N/A	3.522	AV

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

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

Site: AC1	Time: 2017/04/15 - 16:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5530MHz Ant 0+1	

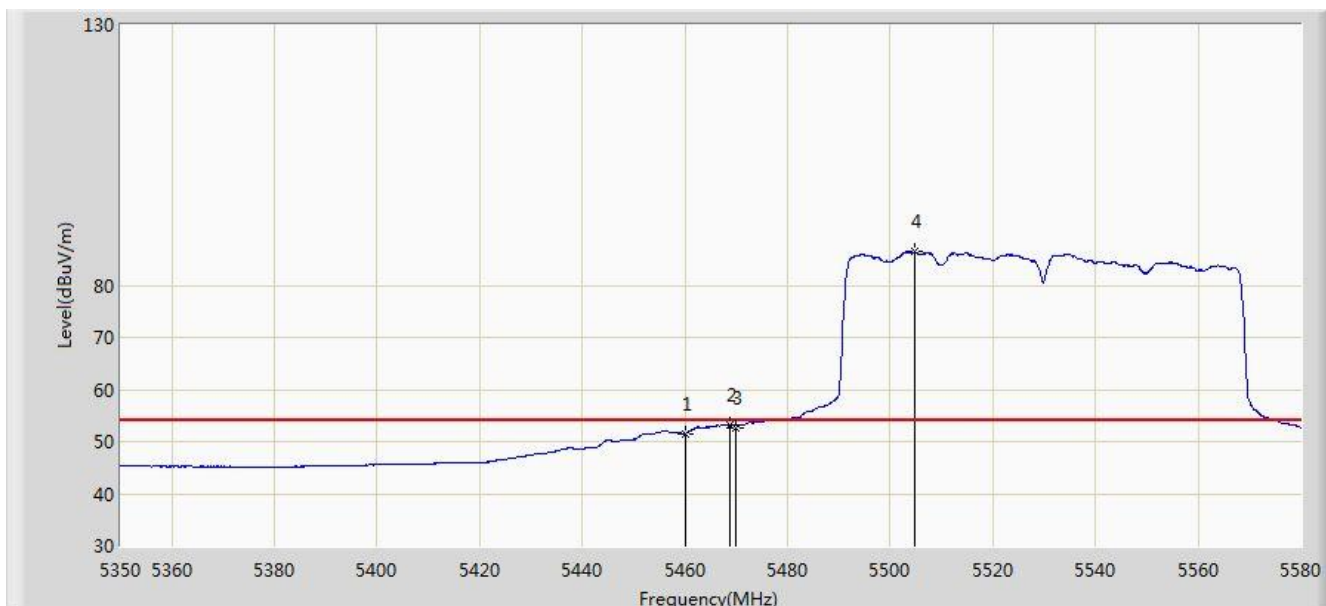


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	66.100	62.618	-7.900	74.000	3.482	PK
2			5468.335	69.512	65.982	-4.488	74.000	3.530	PK
3			5470.000	66.702	63.163	-7.298	74.000	3.539	PK
4		*	5514.340	105.371	101.860	N/A	N/A	3.511	PK

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

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

Site: AC1	Time: 2017/04/15 - 16:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-HT80 at channel 5530MHz 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			5460.000	51.558	48.076	-2.442	54.000	3.482	AV
2			5468.795	53.328	49.796	-0.672	54.000	3.532	AV
3			5470.000	52.734	49.195	-1.266	54.000	3.539	AV
4		*	5504.680	86.396	82.875	N/A	N/A	3.521	AV

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

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

7.9. AC Conducted Emissions Measurement

7.9.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
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.

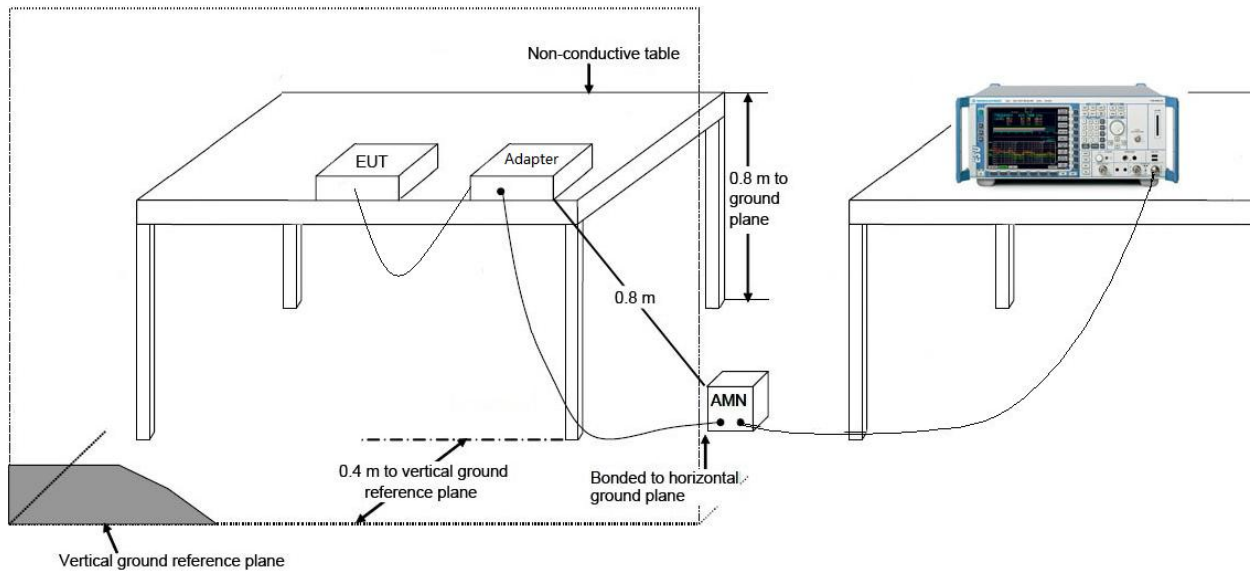
7.9.2. Test Procedure

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.

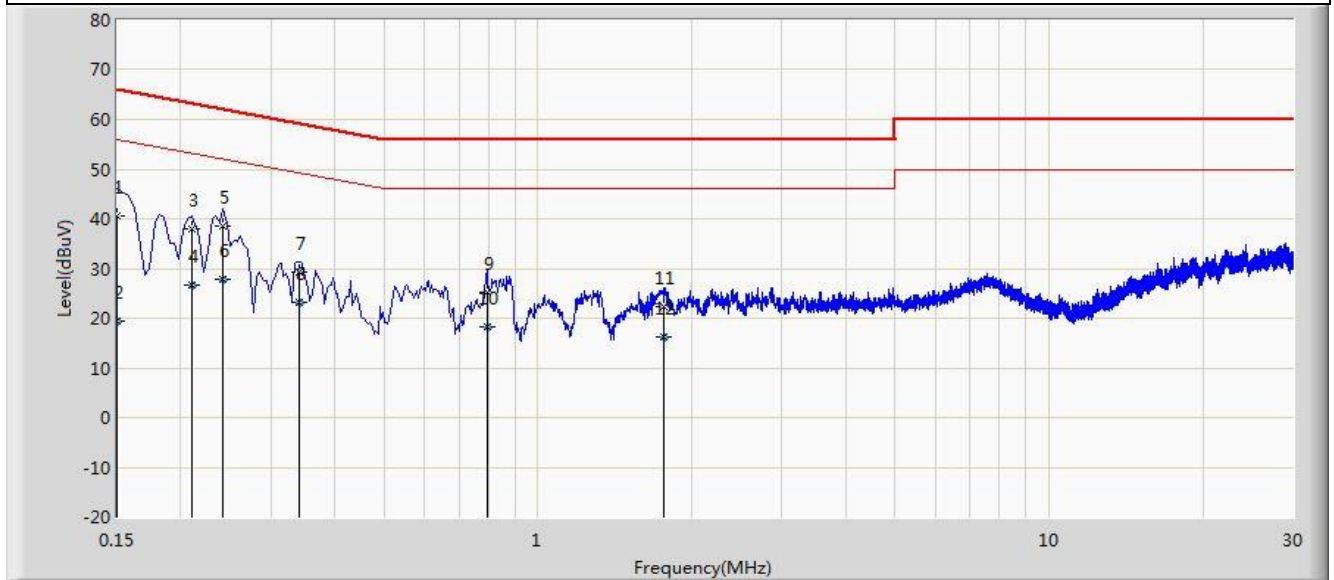
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.9.3. Test Setup



7.9.4. Test Result

Site: SR2	Time: 2017/04/26 - 17:42
Limit: FCC_Part15.207_CE_AC Power_Class B	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Mode 1	

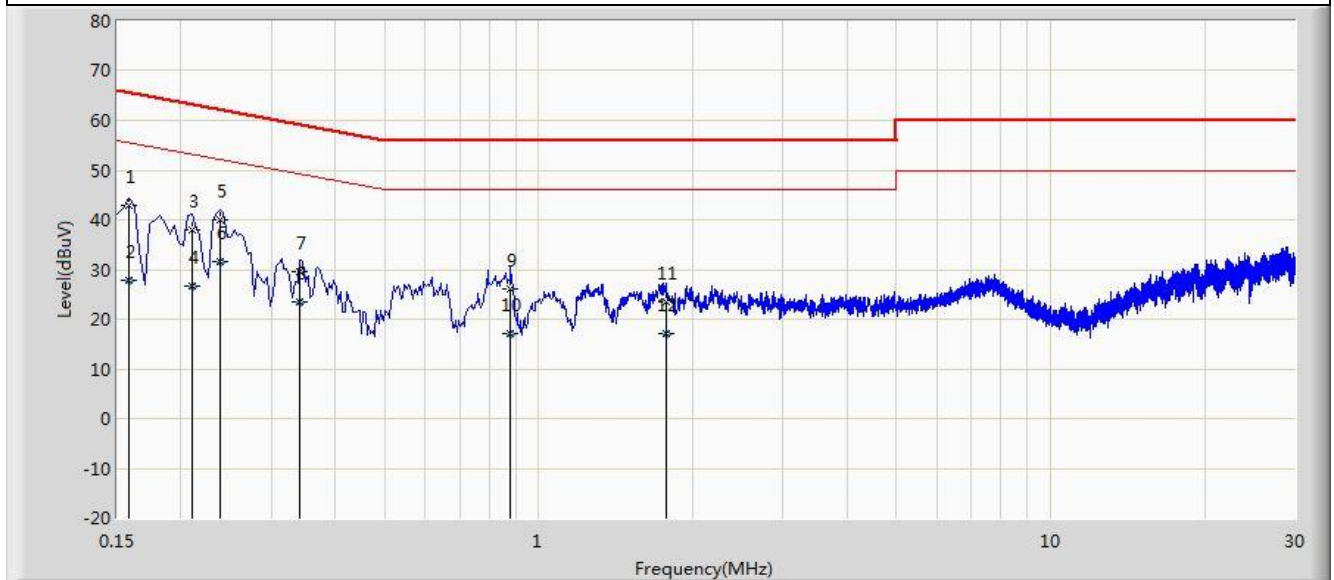


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	40.521	29.353	-25.479	66.000	11.168	QP
2			0.150	19.334	8.166	-36.666	56.000	11.168	AV
3			0.210	38.062	28.093	-25.144	63.205	9.969	QP
4			0.210	26.725	16.756	-26.480	53.205	9.969	AV
5		*	0.242	38.456	28.499	-23.571	62.027	9.958	QP
6			0.242	27.858	17.901	-24.169	52.027	9.958	AV
7			0.342	29.289	19.251	-29.866	59.155	10.038	QP
8			0.342	23.057	13.020	-26.097	49.155	10.038	AV
9			0.794	25.117	15.103	-30.883	56.000	10.014	QP
10			0.794	18.150	8.136	-27.850	46.000	10.014	AV
11			1.766	22.462	12.583	-33.538	56.000	9.879	QP
12			1.766	16.351	6.472	-29.649	46.000	9.879	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2017/04/26 - 17:50
Limit: FCC_Part15.207_CE_AC Power_Class B	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	42.784	32.494	-22.784	65.568	10.290	QP
2			0.158	27.904	17.614	-27.664	55.568	10.290	AV
3			0.210	38.033	28.039	-25.172	63.205	9.995	QP
4			0.210	26.736	16.741	-26.469	53.205	9.995	AV
5			0.238	40.023	30.031	-22.142	62.166	9.992	QP
6		*	0.238	31.737	21.745	-20.429	52.166	9.992	AV
7			0.342	29.490	19.421	-29.665	59.155	10.069	QP
8			0.342	23.536	13.468	-25.618	49.155	10.069	AV
9			0.882	25.990	16.016	-30.010	56.000	9.974	QP
10			0.882	17.189	7.215	-28.811	46.000	9.974	AV
11			1.770	23.606	13.725	-32.394	56.000	9.881	QP
12			1.770	17.203	7.322	-28.797	46.000	9.881	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 Access Point** is in compliance with Part 15E of the FCC Rules.

_____ The End _____