



Radio Exposure Evaluation Exclusion Letter

IC : 9968A-AW7915NPD
Equipment : WiFi6 11ax 2T2R module 1800Mbps
Brand Name : AsiaRF Co., Ltd.
Model Name : AW7915-NPD
Applicant : AsiaRF Co., Ltd.
1F., No.2, Lane45, Shuiyuan Street., Yonghe City,
Taipei County 234, Taiwan
Manufacturer : AsiaRF Co., Ltd.
1F., No.2, Lane45, Shuiyuan Street., Yonghe City,
Taipei County 234, Taiwan
Standard : RSS-102 Issue 5, 2015-03

The product was received on Mar. 28, 2022, and testing was started from Apr. 27, 2022 and completed on May 09, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in RSS-102 Issue 5, 2015-03 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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- According to RSS102-Issue5 section 2.5.2, RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:
- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $22.48/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

When the Tune-up Power = 22.4 dBm, Antenna gain: 4.9 dBi

$$\text{EIRP [W]} = 10^{(\text{Tune-up Power [dBm]} + \text{Antenna gain [dBi]})/10} = 10^{(22.4 + 4.9)/10} = 0.54\text{W}$$

$$\text{Limit is: } 1.31 \times 10^{-2} 2440^{0.6834} = 2.71 \text{ W}$$

✕Therefore, RF Exposure is not required.

————THE END————