Appendix IV- RF Exposure statement

Exposure Requirements – FCC KDB # 447498 D01

According to FCC KDB # 447498 D01 V06, Clause 4.3.1

(a) For 100MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$\frac{(\text{max. power of channel, including tune - up tolerance, mW})}{(\text{min. test separation distance, mm})} \times \sqrt{\text{f(GHz)}}$$

≤ 3.0 ,for 1-g SAR, and ≤ 7.5 , for 10-g extremity SAR

The maximum measured transmitter power is the following:

Freq. [GHz]	Maximum Conducted Peak Output Power [dBm]	Maximum Conducted Peak Output Power [mW]	Antenna Gain [dBi]	Maximum E.I.R.P [dBm]	Maximum E.I.R.P [mW]
2.480	6.674	4.649	-1	5.674	3.693

And for the frequency 2.480GHz, the SAR test exclusion thresholds at the test separation distance 5mm is,
1-g SAR test exclusion thresholds = 9.525mW
10-g SAR test exclusion thresholds = 23.813mW

Note: The distance 5mm was used to determine the SAR test exclusion. But the actually distance in normal using is much larger than 5mm.

Conclusion

The device is excluded for SAR test and complies with the FCC exposure requirements since the maximum conducted peak output power is lower than the SAR test exclusion thresholds.