

Appendix IV-RF Exposure

1. RF Exposure Statement

RESULT:**Pass**

Evaluate standard : FCC KDB # 447498 D01 V06
RSS-102 Issue 5

The maximum measured transmitter power is the following:

Frequency [GHz]	Maximum Conducted (average) Output Power [dBm]	Maximum Conducted (average) Output Power [mW]
2.402	-3.36	0.46131757

Evaluation for FCC

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:

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

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

So, the max allowed power for 1-g SAR with distance 5mm at 2402MHz is 9.68mW

And the max allowed power for 10-g extremity SAR with distance 5mm at 2402MHz is 24.20mW

The EUT is well below the SAR test exclusion thresholds.