

## 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  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

$\leq 3.0$ , for 1-g SAR, and  $\leq 7.5$ , 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.