

# Radio Frequency Exposure Compliance

## Electromagnetic Fields

**RESULT:**

**Pass**

**Test Specification**

Test standard : CFR47 FCC Part 2: Section 2.1093  
 FCC KDB Publication 447498 v06  
 RSS-102 Issue 5 March 2015

**Measurement Record:**

The minimum distance for the EUT is less than 5mm.

➤ **FCC requirements**

The maximum conducted power of the transmitter is 6.21 dBm  $\approx 4.18 \text{ mW} < \frac{3 \cdot d}{\sqrt{f}} = 9.52 \text{ mW}$ .

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

➤ **IC requirements**

Test Mode	Frequency channel (MHz)	Measured conducted Power (dBm)	Antenna Gain (dBi)	Measured e.i.r.p		Threshold power@5mm (mW)	Verdict
				(dBm)	(mW)		
Bluetooth Classic	2402	5.70	0.04	5.74	3.750	4.26	Compliant, SAR exempted
	2441	5.60	0.20	5.80	3.802	4.05	
	2480	5.00	-0.12	4.88	3.076	3.94	
BLE	2402	6.21	0.04	6.25	4.217	4.26	
	2440	5.70	0.20	5.90	3.890	4.05	
	2480	5.42	-0.12	5.30	3.388	3.94	

Antenna gain in above table cited from antenna technical report

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.