

# **Appendix 5**

## **RF Exposure Information**

**FCC ID: YFA370410538**  
**IC ID: 12260A-370410538**

**Maximum transmitter power:**

Frequency (MHz)	Maximum peak output power (dBm)	Maximum peak output power (mW)	Maximum peak field strength (dBuV/m)
2420	4.97	3.141	100.2
2445	3.57	2.275	98.8
2465	5.07	3.214	100.3

Note: The maximum peak field strength was taken from table of “Subclause 15.249(a)/RSS-210 B.10(a) – Field Strength of Fundamental and Harmonics”.

**For FCC**

According to KDB 447498 D01:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

**Result:**

$$(3.141/5) \cdot \sqrt{2.420} = 0.977 < 3.0$$

$$(2.275/5) \cdot \sqrt{2.445} = 0.711 < 3.0$$

$$(3.214/5) \cdot \sqrt{2.465} = 1.009 < 3.0$$

**Conclusion:**

No SAR is required.

**For ISED**

According to table 1 in RSS-102 Issue 5, below exemption limit is applied

Frequency: 2450MHz

At separation distance of ≤ 5mm

Exemption limits: 4mW

**Results:**

max. power of channel = 3.214mW < 4mW

**Conclusion:**

The maximum peak output power of the transmitter is less than the SAR evaluation exemption threshold and hence it complies with the RSS-102 RF exposure requirement