

# Appendix 5

## RF Exposure Information

FCC ID: YFA20010122  
IC ID: 12260A-20010122

**Maximum transmitter power:**

Frequency (MHz)	Maximum peak field strength (dB $\mu$ V/m)	Maximum transmitter power (mW)
2410	97.3	0.9824
2440	97.0	0.9168
2472	96.3	0.7803

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*  $\leq 5$  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  $\leq 7.5$  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:**

$$(0.9824/5) \cdot \sqrt{2.410} = 0.305 < 3.0$$

$$(0.9168/5) \cdot \sqrt{2.440} = 0.286 < 3.0$$

$$(0.7803/5) \cdot \sqrt{2.472} = 0.245 < 3.0$$

**Conclusion:**

No SAR is required.

**For ISED**

According to table 1 in RSS-102 Issue 6, below exemption limit is applied

Frequency: 2410 MHz

At separation distance of  $\leq 5$ mm

Exemption limits: 3mW

**Results:**

max. power of channel = 0.9824 mW < 3mW

**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.