

Appendix 5

RF Exposure Information

FCC ID: FCC ID: YFA370900037
IC: IC: 12260A-370900037
Model: 370900037

Maximum transmitter power:

Frequency (MHz)	Maximum output power (dBuV/m)	Output power (mW)
2405	87.40	0.1649
2441	86.79	0.1433
2477	86.64	0.1384

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:

$$(0.1649/5) \cdot \sqrt{2.405} = 0.051 < 3.0$$

$$(0.1433/5) \cdot \sqrt{2.441} = 0.045 < 3.0$$

$$(0.1384/5) \cdot \sqrt{2.477} = 0.044 < 3.0$$

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

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 without SAR evaluation.