

Appendix 5

RF Exposure Information

FCC ID: FCC ID: YFA3709000271
IC: IC: 12260A-3709000271
Model: 370900037

Maximum transmitter power:

Frequency (MHz)	Maximum output power (dBuV/m)	Output power (mW)
2408	67.68	0.00176
2440	67.61	0.00173
2472	65.47	0.00106

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

- $f(\text{GHz})$ 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:

$$(0.00176/5) \cdot \sqrt{2.408} = 0.0005 < 3.0$$

$$(0.00173/5) \cdot \sqrt{2.440} = 0.0005 < 3.0$$

$$(0.00106/5) \cdot \sqrt{2.472} = 0.0003 < 3.0$$

Conclusion:

No SAR is required.

For ISED

According to table 1 in RSS-102 Issue 5, below exemption limit at separation distance of ≤ 5 mm is applied:

Frequency (MHz)	Exemption limits (by linear interpolation)
2405	4.229 mW
2440	4.055 mW
2472	3.958 mW

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.