

Appendix 5

RF Exposure Information

FCC ID: 2ABPTYX4850
Model: YOO-RX

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2402	-27.46	0.00179
2440	-26.81	0.00208
2480	-25.74	0.00267

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,²⁴ where

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- 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:

$$(0.00179/5) \cdot \sqrt{2.402} = 0.00055 < 3.0$$

$$(0.00208/5) \cdot \sqrt{2.440} = 0.00065 < 3.0$$

$$(0.00267/5) \cdot \sqrt{2.480} = 0.00084 < 3.0$$

Conclusion:

No SAR is required.