

MPE ESTIMATION

FCC ID: 2ARCP-TANK-MINI

1. Limit for Portable Equipment Exposure

Frequency	1-g SAR
100MHz-6GHz	3.0

According to 447498 D01 General RF Exposure Guidance v06

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

2. Estimation Result

BT(worse case):

Frequency	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
8DPSK 2480 MHz	101.59	6.39	4.355	5	1.3717	3.0
Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2 Reading result see the test report GTSL2025040088F01.						

BLE:

Frequency	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
GFSK 2440 MHz	100.46	5.26	3.357	5	1.3605	3.0
Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2 Reading result see the test report GTSL2025040088F02.						

The SAR evaluation is not required.

-----The End-----