

MPE ESTIMATION

FCC ID: 2BBXM-MT98

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 GFSK(Worst case):

Frequency (MHz)	Reading result(dB μ V/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
2402	103.02	7.82	6.053	5	1.8762	3.0

Note: PK Output Power (dBm)= Reading result(dB μ V/m)-95.2
Reading result see the test report 23070307ER-61.

BLE 1M GFSK(Worst case):

Frequency (MHz)	Reading result(dB μ V/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
2402	103.04	7.84	6.081	5	1.8849	3.0

Note: PK Output Power (dBm)= Reading result(dB μ V/m)-95.2
Reading result see the test report 23070307ER-62.

The SAR evaluation is not required.

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