

MPE ESTIMATION

FCC ID: 2ANIE-V8

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$$

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 8DPSK(Worst case):

Frequency (MHz)	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
2402	91.71	-3.49	0.448	5	0.1389	3.0
Note: PK Output Power = Conducted Power. Conducted Power see the test report UNIA23042302ER-61.						

BLE GFSK(Worst case):

Frequency (MHz)	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
2402	96.00	0.8	1.202	5	0.3726	3.0
Note: PK Output Power = Conducted Power. Conducted Power see the test report UNIA23042302ER-62.						

The SAR evaluation is not required.

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