



MPE ESTIMATION

FCC ID: 2AAPV-X-1501B

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})}$$

 ≤ 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

BLE:

Frequency	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
GFSK 2402MHz	95.2	0	1	5	0.31	3.0
Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2 Reading result see the test report UNIA25062007ER-61						

2.4G:

Frequency	Reading result(dBμV/m)	PK Output Power (dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
GFSK 2410MHz	94.98	-0.22	0.95	5	0.29	3.0
Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2 Reading result see the test report UNIA25062007ER-62						

The EUT has two antennas and cannot transmit simultaneously.
The SAR evaluation is not required.

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