

MPE ESTIMATION

FCC ID: 2A4THMJ-2020R

1. Limit for Portable Equipment Exposure

Frequency	1-g SAR
100MHz-6GHz	3.0

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz

2. Estimation Result

Mode		Frequency (MHz)	PK Output Power(dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
BT	GFSK	2402	-3.494	0.447	5	0.1386	3.0
		2441	-3.508	0.446	5	0.1394	3.0
		2480	-4.109	0.388	5	0.1222	3.0
	π/4 DQPSK	2402	-3.025	0.498	5	0.1544	3.0
		2441	-3.041	0.496	5	0.1550	3.0
		2480	-3.650	0.432	5	0.1361	3.0
	8DPSK	2402	-2.551	0.556	5	0.1723	3.0
		2441	-2.592	0.551	5	0.1722	3.0
		2480	-3.140	0.485	5	0.1528	3.0
BLE	GFSK	2402	-1.888	0.647	5	0.2005	3.0
		2440	-1.894	0.647	5	0.2022	3.0
		2480	-2.436	0.571	5	0.1798	3.0

Note: PK Output Power = Conducted Power.

Conducted Power see the test report UNIA22021610ER-61, UNIA22021610ER-62.

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