

## MPE ESTIMATION

FCC ID: 2A4THMJ-6709

### 1. Limit for Portable Equipment Exposure

Frequency	1-g SAR
100MHz-6GHz	3.0

For 100 MHz to 6 GHz and test separation distances  $\leq 50$  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  $\leq 7.5$  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	-3.705	0.426	5	0.1320	3.0
		2441	-3.729	0.424	5	0.1325	3.0
		2480	-4.435	0.360	5	0.1134	3.0
	π/4 DQPSK	2402	-3.681	0.428	5	0.1327	3.0
		2441	-3.717	0.425	5	0.1328	3.0
		2480	-4.418	0.362	5	0.1140	3.0
	8DPSK	2402	-3.705	0.426	5	0.1320	3.0
		2441	-3.745	0.422	5	0.1319	3.0
		2480	-4.455	0.359	5	0.1131	3.0
BLE	GFSK	2402	-1.734	0.671	5	0.2080	3.0
		2440	-1.600	0.692	5	0.2162	3.0
		2480	-2.171	0.607	5	0.1912	3.0
2.4G	GFSK	2410	1.067	1.278	5	0.3968	3.0
		2440	-0.028	0.994	5	0.3105	3.0
		2470	-0.520	0.887	5	0.2788	3.0

Note: PK Output Power = Conducted Power.  
 Conducted Power see the test report UNIA22021604ER-61, UNIA22021604ER-62, UNIA22021604ER-63.

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