

MPE ESTIMATION

FCC ID: 2AZF3-PRTFOX

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:

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

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

2. Estimation Result

Mode	Frequency (MHz)	PK Output Power(dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
11b	2412	8.88	7.73	5	2.4009	3.0
	2437	8.70	7.41	5	2.3134	3.0
	2462	8.66	7.35	5	2.3064	3.0
11g	2412	7.69	5.87	5	1.8232	3.0
	2437	7.57	5.71	5	1.7827	3.0
	2462	7.55	5.69	5	1.7855	3.0
11n/HT20	2412	7.38	5.47	5	1.6990	3.0
	2437	7.36	5.45	5	1.7015	3.0
	2462	7.30	5.37	5	1.6851	3.0
Note: PK Output Power = Conducted Power. Conducted Power see the test report UNIA21011905ER-04.						

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