

MPE ESTIMATION

FCC ID: 2AZC3-U2

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	9.80	9.55	5	2.9664	3.0
	2437	9.77	9.48	5	2.9598	3.0
	2462	9.69	9.31	5	2.9216	3.0
11g	2412	9.72	9.38	5	2.9136	3.0
	2437	9.68	9.29	5	2.9005	3.0
	2462	9.75	9.44	5	2.9625	3.0
11n/HT20	2412	9.02	7.98	5	2.4787	3.0
	2437	9.11	8.15	5	2.5446	3.0
	2462	9.06	8.05	5	2.5263	3.0
11n/HT40	2422	8.60	7.24	5	2.2535	3.0
	2437	8.72	7.45	5	2.3260	3.0
	2452	8.86	7.69	5	2.4084	3.0
Note: PK Output Power = Conducted Power. Conducted Power see the test report UNIA21082710ER-61.						

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