

10. MPE ESTIMATION

10.1. Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency	Power density (mW/cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

EUT: Mobile Projector		
M/N: PPX5110		
Test date: 2017-11-23	Pressure: 102.8±1.0 kpa	Humidity: 51.7±3.0%
Tested by: THOMAX	Test site: RF site	Temperature: 22.5±0.6 °C

Mode	CH	PK Output power(dBm)	Output power(mW)	antenna Gain(dBi)	antenna Gain(linear)	MPE
11b	CH1	16.23	41.98	1.87	1.538	0.012851
	CH6	16.31	42.76	1.87	1.538	0.013090
	CH11	16.23	41.98	1.87	1.538	0.012851
11g	CH1	15.30	33.88	1.87	1.538	0.010374
	CH6	15.32	34.04	1.87	1.538	0.010422
	CH11	15.38	34.51	1.87	1.538	0.010567
11n HT20	CH1	14.21	26.36	1.87	1.538	0.008071
	CH6	14.21	26.36	1.87	1.538	0.008071
	CH11	14.27	26.73	1.87	1.538	0.008184

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20 \text{ cm})$$