

10. MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm2)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency	Power density (mW/cm2)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2.Estimation Result

EUT: Yi Mirror Dash Camera/Mirror Dash Camera		
M/N: YCS.1C17		
Test date: 2017-11-14	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Kayle	Test site: RF site	Temperature:22.8±0.6 °C

Test Mode	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	2412	16.22	41.88	2.68	1.85	0.0155
	2437	17.06	50.82	2.68	1.85	0.0187
	2462	16.62	45.92	2.68	1.85	0.0169
11g	2412	13.64	23.12	2.68	1.85	0.0085
	2437	14.71	29.58	2.68	1.85	0.0109
	2462	13.79	23.93	2.68	1.85	0.0088
11n HT20	2412	13.55	22.65	2.68	1.85	0.0084
	2437	14.62	28.97	2.68	1.85	0.0107
	2462	13.71	23.50	2.68	1.85	0.0087
11n HT40	2422	13.6	22.91	2.68	1.85	0.0085
	2437	14.21	26.36	2.68	1.85	0.0097
	2452	12.76	18.88	2.68	1.85	0.0070

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