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 Mini Dash Camera; Mini Dash Camera		
M/N: YCS.1B18		
Test date: 2017-12-29	Pressure: 102.8±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn	Test site: RF site	Temperature:22.8±0.6 ℃

Test Mode	Frequency（MHz）	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	2412	15.24	33.42	1.72	1.49	0.0099
	2437	15.99	39.72	1.72	1.49	0.0117
	2462	16.84	48.31	1.72	1.49	0.0143
11g	2412	11.91	15.52	1.72	1.49	0.0046
	2437	12.11	16.26	1.72	1.49	0.0048
	2462	12.70	18.62	1.72	1.49	0.0055
11n HT20	2412	10.92	12.36	1.72	1.49	0.0037
	2437	11.31	13.52	1.72	1.49	0.0040
	2462	11.69	14.76	1.72	1.49	0.0044
11n HT40	2422	10.36	10.86	1.72	1.49	0.0032
	2437	10.9	12.30	1.72	1.49	0.0036
	2452	10.93	12.39	1.72	1.49	0.0037

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