

11.MPE ESTIMATION

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

Note: F= Frequency in MHz

11.2. Estimation Result

Cable loss: 1.0 dB		Attenuator loss: 20 dB				Antenna Gain: 0.9 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	15.63	36.56	0.9	1.23	0.0090
	CH6	2437	16.06	40.36	0.9	1.23	0.0099
	CH11	2462	16.39	43.55	0.9	1.23	0.0107
11g	CH1	2412	16.41	43.75	0.9	1.23	0.0107
	CH6	2437	17.31	53.83	0.9	1.23	0.0132
	CH11	2462	17.64	58.08	0.9	1.23	0.0142
11n HT20	CH1	2412	16.32	42.85	0.9	1.23	0.0105
	CH6	2437	17.21	52.60	0.9	1.23	0.0129
	CH11	2462	17.51	56.36	0.9	1.23	0.0138
11n HT40	CH1	2422	15.02	31.77	0.9	1.23	0.0078
	CH4	2437	15.34	34.20	0.9	1.23	0.0084
	CH7	2452	15.26	33.57	0.9	1.23	0.0082

Note: The estimation distance is 20cm