

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: 1.5 dB		Attenuator loss: 20 dB				Antenna Gain: 2.2 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.37	86.50	2.2	1.66	0.0286
	CH6	2437	19.08	80.91	2.2	1.66	0.0267
	CH11	2462	19.27	84.53	2.2	1.66	0.0279
11g	CH1	2412	17.65	58.21	2.2	1.66	0.0192
	CH6	2437	17.29	53.58	2.2	1.66	0.0177
	CH11	2462	17.52	56.49	2.2	1.66	0.0187
11n HT20	CH1	2412	17.65	58.21	2.2	1.66	0.0192
	CH6	2437	17.40	54.95	2.2	1.66	0.0182
	CH11	2462	17.59	57.41	2.2	1.66	0.0190
11n HT40	CH1	2422	16.36	43.25	2.2	1.66	0.0143
	CH4	2437	16.30	42.66	2.2	1.66	0.0141
	CH7	2452	15.72	37.33	2.2	1.66	0.0123

Note: The estimation distance is 20cm