

9. MPE ESTIMATION

9.1.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	0.60	30
2437	0.61	30
2462	0.62	30

Note: F = Frequency in MHz

9.2.Estimation Result

IEEE 802.11b TX

Channel	Frequency(MHz)	Peak output power(dBm)	antenna gain(dBi)	antenna gain (Linear)
1	2412	15.67	1.52	1.42
6	2437	17.03	1.52	1.42
11	2462	16.66	1.52	1.42

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	36.9	0.01
6	2437	50.47	0.014
11	2462	46.34	0.013

IEEE 802.11g TX

Channel	Frequency(MHz)	Peak output power(dBm)	antenna gain(dBi)	antenna gain (Linear)
1	2412	19.61	1.52	1.42
6	2437	21.22	1.52	1.42
11	2462	20.53	1.52	1.42

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	91.41	0.026
6	2437	132.43	0.037
11	2462	112.98	0.032