

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	13.00	1.5	1.41
6	2437	16.44	1.5	1.41
11	2462	16.37	1.5	1.41

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	19.95	0.006
6	2437	44.06	0.012
11	2462	43.35	0.012

IEEE 802.11g TX

Channel	Frequency(MHz)	Peak output power(dBm)	antenna gain(dBi)	antenna gain (Linear)
1	2412	12.81	1.5	1.41
6	2437	16.31	1.5	1.41
11	2462	16.38	1.5	1.41

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	19.10	0.005
6	2437	42.76	0.012
11	2462	43.45	0.012