

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	16.77	1.52	1.42
6	2437	17.46	1.52	1.42
11	2462	17.13	1.52	1.42

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	47.53	0.013
6	2437	55.72	0.016
11	2462	51.64	0.015

IEEE 802.11g TX

Channel	Frequency(MHz)	Peak output power(dBm)	antenna gain(dBi)	antenna gain (Linear)
1	2412	19.11	1.52	1.42
6	2437	21.89	1.52	1.42
11	2462	21.39	1.52	1.42

Channel	Frequency(MHz)	Peak output power to antenna (mW)	Power density at 20cm(mW/ cm ²)
1	2412	81.47	0.023
6	2437	154.53	0.044
11	2462	137.72	0.039