

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

Chain 1

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	antenna Gain (linear)	MPE
11b	1	2412	17.88	61.38	2	1.58	0.0194
	6	2437	18.21	66.22	2	1.58	0.0209
	11	2462	18.32	67.92	2	1.58	0.0214
11g	1	2412	21.64	145.88	2	1.58	0.0460
	6	2437	24.53	283.79	2	1.58	0.0895
	11	2462	23.85	242.66	2	1.58	0.0766

Chain 2

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	antenna Gain (linear)	MPE
11b	1	2412	17.74	59.43	2	1.58	0.0187
	6	2437	18.03	63.53	2	1.58	0.0200
	11	2462	18.02	63.39	2	1.58	0.0200
11g	1	2412	21.42	138.68	2	1.58	0.0437
	6	2437	24.27	267.30	2	1.58	0.0843
	11	2462	23.68	233.35	2	1.58	0.0736

Note: The estimation distance is 20cm