

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

11.2.2, Estimation Result

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	Antenna Gain(linear)	MPE (mW/ cm ²)
11b	1	2412	17.43	55.3	3	2.00	0.022
	6	2437	18.32	67.9	3	2.00	0.027
	11	2462	17.67	58.5	3	2.00	0.023
11g	1	2412	20.43	110.4	3	2.00	0.044
	6	2437	22.49	177.4	3	2.00	0.071
	11	2462	20.96	124.7	3	2.00	0.049
11n HT20	1	2412	25.02	317.7	3	2.00	0.126
	6	2437	26.86	485.3	3	2.00	0.193
	11	2462	25.38	345.1	3	2.00	0.137
11n HT40	1	2422	17.81	60.4	3	2.00	0.024
	4	2437	23.86	243.2	3	2.00	0.097
	7	2452	17.62	57.8	3	2.00	0.023

Note: The estimation distance is 20cm

Remark :This a MIMO device,for 11b/g mode,we choose the chain which has the maximum power to estimate,for 11n mode,We use the total chain power to estimate.