

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

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE
11b	CH1	2412	21.96	157.04	5	3.16	0.0195
	CH6	2437	26.06	403.65	5	3.16	0.0502
	CH11	2462	22.15	164.06	5	3.16	0.0204
11g	CH1	2412	20.26	106.17	5	3.16	0.0132
	CH6	2437	25.88	387.26	5	3.16	0.0481
	CH11	2462	19.89	97.50	5	3.16	0.0121
11n HT20	CH1	2412	20.5	112.20	5	3.16	0.0140
	CH6	2437	28.51	709.58	5	3.16	0.0882
	CH11	2462	20.74	118.58	5	3.16	0.0147
	CH149	5745	16.71	46.88	16	39.81	0.0734
	CH157	5785	18.05	63.83	16	39.81	0.0999
	CH165	5825	18.13	65.01	16	39.81	0.1018
11n HT40	CH1	2422	17.37	54.58	5	3.16	0.0068
	CH4	2437	24.98	314.77	5	3.16	0.0391
	CH7	2452	16.92	49.20	5	3.16	0.0061
	CH151	5755	16.99	50.00	16	39.81	0.0783
	CH159	5795	17.61	57.68	16	39.81	0.0903

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE
11a	CH149	5745	13.66	23.23	16	39.81	0.0364
	CH157	5785	15.56	35.97	16	39.81	0.0563
	CH165	5825	14.32	27.04	16	39.81	0.0423

Note: The estimation distance is 45cm