

10.MPE ESTIMATION

10.1.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)
2402	1	30
2441	1	30
2480	1	30

Note: F = Frequency in MHz

10.2.Estimation Result

GFSK:

Channel	Frequency (MHz)	Peak output power (dBm)	antenna gain (dBi)	antenna gain (Linear)
CH1	2402	1.32	1.7	1.48
CH40	2441	1.84	1.7	1.48
CH79	2480	1.65	1.7	1.48

Channel	Frequency (MHz)	Peak output power to antenna (mW)	Power density at 20cm (mW/ cm ²)
CH1	2402	1.36	0.0004
CH40	2441	1.53	0.0004
CH79	2480	1.46	0.0004

8-DPSK:

Channel	Frequency (MHz)	Peak output power (dBm)	antenna gain (dBi)	antenna gain (Linear)
CH1	2402	-0.37	1.7	1.48
CH40	2441	0.74	1.7	1.48
CH79	2480	0.87	1.7	1.48

Channel	Frequency (MHz)	Peak output power to antenna (mW)	Power density at 20cm (mW/ cm ²)
CH1	2402	0.92	0.0003
CH40	2441	1.19	0.0003
CH79	2480	1.22	0.0004