

MPE ESTIMATION

FCC ID: 2BC32-ESK-180

1. Limit for General Population/Uncontrolled Exposures

Frequency	Power Density(mW/cm2)	Averaging Time(minutes)
300MHz-1.5GHz	F/1500	30
1.5GHz-100GHz	1.0	30

Note: F= Frequency in MHz

2. Estimation Result

WIFI2.4G:

Mode	AV Output Power(dBm)	Tune Up Power(dBm)	Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	15.52	16±1(17)	50.119	4.26	2.6669	0.026605
11g	12.29	12±1(13)	19.953	4.26	2.6669	0.010592
11n/HT20	10.34	10±1(11)	12.589	4.26	2.6669	0.006683
11n/HT40	8.56	9±1(10)	10	4.26	2.6669	0.005308

$$Pd = \frac{P_{out} * G}{4\pi r^2}$$

Note:

Note: The estimation distance is 20cm.

Note: AV Output power=conducted power.

Conducted power see the test report UNIA23102009ER-61, antenna gain=4.26dBi.

-----The End-----