

MPE ESTIMATION

FCC ID: 2BKK7-LMB-USBSPC4A

1. Limit for General Population/Uncontrolled Exposures

FCC Standard: FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.10: 2013, FCC part 2.1091

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

2.4G WIFI:

Mode	AV Output Power(dBm)	Tune Up Power(dBm)	Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	Power Density (mW/cm ²) Limit	Result
11b	15.97	16±1(17)	50.119	0.04	1.0093	0.010069	1.0	PASS
11g	13.71	14±1(15)	31.623	0.04	1.0093	0.006353	1.0	PASS
11n/HT20	11.32	11±1(12)	15.849	0.04	1.0093	0.003184	1.0	PASS
11n/HT40	9.10	9±1(10)	10.000	0.04	1.0093	0.002009	1.0	PASS

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

Note:

Note: The estimation distance is 20cm.

Note: AV Output power=conducted power.

Conducted power see the test report UNIA24061728ER-61, antenna gain=0.04dBi.

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