

MPE ESTIMATION

FCC ID: 2BNF6-V1

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	15.27	15±1(16)	39.811	1.23	1.3274	0.010519	1.0	PASS
11g	15.24	15±1(16)	39.811	1.23	1.3274	0.010519	1.0	PASS
11n/HT20	14.74	15±1(16)	39.811	1.23	1.3274	0.010519	1.0	PASS
$Pd = \frac{P_{out} * G}{4\pi r^2}$								
Note:								
Note: The estimation distance is 20cm.								
Note: AV Output power=conducted power. Conducted power see the test report UNIA24112910ER-61, antenna gain=1.23dBi.								

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