



MPE ESTIMATION

FCC ID: 2BOE6-LSCL400D

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

BLE:

Frequency (MHz)	Reading result (dBμV)	EIRP(dBm)	Max Tune Up Power (mW)	MPE (mW/cm²)	Power Density (mW/cm²) Limit	Result
GFSK 2480MHz	100.98	5.78	3.784	0.000753	1.0	PASS
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: Reading result see the test report UNIA25032409ER-61. EIRP= Reading result - 95.2						

2.4G WIFI:

Mode	AV Output Power(dBm)	Tune Up Power(dBm)	Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)	Power Density (mW/cm²) Limit	Result
11b	12.87	13±1(14)	25.119	-3.06	0.4943	0.002471	1.0	PASS
11g	11.33	11±1(12)	15.849	-3.06	0.4943	0.001559	1.0	PASS
11n/HT20	11.19	11±1(12)	15.849	-3.06	0.4943	0.001559	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 UNIA25032409ER-62, antenna gain=-3.06dBi.								

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