

MPE ESTIMATION

FCC ID: 2AT2B-BOSESH

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

Note: F= Frequency in MHz

2. Estimation Result

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	12.47	12±1(13)	19.95	1	1.2589	0.004999
11g	11.86	11±1(12)	15.85	1	1.2589	0.003971
11n/HT20	11.42	11±1(12)	15.85	1	1.2589	0.003971
Note: $Pd = \frac{Pout * G}{4\pi r^2}$						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power. Conducted power see the test report UNIA19062702FR-01, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	1	12.27	16.87	1	1.2589	0.004226
	6	12.47	17.66	1	1.2589	0.004425
	11	12.43	17.50	1	1.2589	0.004385
11g	1	11.86	15.35	1	1.2589	0.003845
	6	11.79	15.10	1	1.2589	0.003784
	11	11.67	14.69	1	1.2589	0.003681
11n/HT20	1	11.35	13.65	1	1.2589	0.003419
	6	11.42	13.87	1	1.2589	0.003475
	11	11.27	13.40	1	1.2589	0.003357
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power. Conducted power see the test report UNIA19062702FR-01, antenna gain=1dBi.						

Conclusion: No SAR evaluation required since transmitter power is below FCC threshold
 -----The End-----