

MPE ESTIMATION

FCC ID: 2AT2W-MHDENET

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	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	1	12.25	16.79	1	1.2589	0.004207
	6	12.82	19.14	1	1.2589	0.004797
	11	12.45	17.58	1	1.2589	0.004405
11g	1	11.51	14.16	1	1.2589	0.003548
	6	12.05	16.03	1	1.2589	0.004017
	11	11.76	15.00	1	1.2589	0.0037.58
11n/HT20	1	11.96	15.70	1	1.2589	0.003935
	6	11.67	14.69	1	1.2589	0.003681
	11	11.75	14.96	1	1.2589	0.003749

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

Note:

Note: The estimation distance is 20cm.

Note: PK Output power= conducted power.

Conducted power see the test report UNIA19070903FR-01, antenna gain=1dBi.

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

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