

11. MPE ESTIMATION

11.1. 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

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

11.2. Estimation Result

EUT: Wireless N-lite PCI Express Adapter		
M/N: NWD3105		
Test date: 2011-12-08	Pressure: 100.6 kpa	Humidity: 47%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25°C

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	Antenna Gain(linear)	MPE (mW/ cm ²)
11b	1	2412	17.61	57.68	2	1.58	0.0182
	6	2437	20.12	102.80	2	1.58	0.0324
	11	2462	20.15	103.51	2	1.58	0.0327
11g	1	2412	16.93	49.32	2	1.58	0.0156
	6	2437	24.14	259.42	2	1.58	0.0818
	11	2462	16.89	48.87	2	1.58	0.0154
11n HT20	1	2412	16.06	40.36	2	1.58	0.0127
	6	2437	25.32	340.41	2	1.58	0.1074
	11	2462	15.66	36.81	2	1.58	0.0116
11n HT40	1	2422	12.41	17.42	2	1.58	0.0055
	4	2437	23.04	201.37	2	1.58	0.0635
	7	2452	12.80	19.05	2	1.58	0.0060

Note: The estimation distance is 20cm