

FCC RF EXPOSURE REPORT

FCC ID: T58WF2411ER

Project No. : 1506C211
Equipment : 150Mbps Wireless N Router
Model : WF2411E
Applicant : NETIS SYSTEMS CO., LTD
**Address : 4F&5F R&D Building, Oriental Cyberport,
High-Tech Industrial Park, Nanshan,
Shenzhen, China**

**According: : FCC Guidelines for Human Exposure IEEE
C95.1**

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	RF link	RF21C00283A	Dipole	N/A	4.86	

TEST RESULTS

EUT :	150Mbps Wireless N Router	Model Name :	WF2411E
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.86	3.0620	16.27	42.3643	0.02581965	1	Complies
4.86	3.0620	16.93	49.3174	0.03005733	1	Complies
4.86	3.0620	16.67	46.4515	0.02831068	1	Complies

EUT :	150Mbps Wireless N Router	Model Name :	WF2411E
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.86	3.0620	22.66	184.5015	0.11244765	1	Complies
4.86	3.0620	23.09	203.7042	0.12415104	1	Complies
4.86	3.0620	22.85	192.7525	0.11747633	1	Complies

EUT :	150Mbps Wireless N Router	Model Name :	WF2411E
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.86	3.0620	22.64	183.6538	0.11193100	1	Complies
4.86	3.0620	22.45	175.7924	0.10713969	1	Complies
4.86	3.0620	22.03	159.5879	0.09726361	1	Complies

EUT :	150Mbps Wireless N Router	Model Name :	WF2411E
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.86	3.0620	22.59	181.5516	0.11064973	1	Complies
4.86	3.0620	22.86	193.1968	0.11774714	1	Complies
4.86	3.0620	22.42	174.5822	0.10640214	1	Complies

Note: the calculated distance is 20 cm.