



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2412R

Project No. : 1205C015A
Equipment : 150Mbps Wireless-N AP/ Repeater / Router client
Model : WF2412
Applicant : NETIS SYSTEMS CO., LTD.
Address : 9F,B Block, Tsinghua Information Park, High-tech
Industrial Park, Nanshan, Shenzhen, China

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

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Kuang-Chi	KCI2401	Integral	N/A	4.10



TEST RESULTS

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2412
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH01/CH06/CH11-802.11b		

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
4.10	2.5704	17.9400	62.2300	0.03183834	1	Complies
4.10	2.5704	17.8300	60.6736	0.03104205	1	Complies
4.10	2.5704	17.7200	59.1562	0.03026568	1	Complies

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2412
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH01/CH06/CH11-802.11g		

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
4.10	2.5704	24.5100	282.4880	0.14452746	1	Complies
4.10	2.5704	24.4000	275.4229	0.14091278	1	Complies
4.10	2.5704	24.2200	264.2409	0.13519181	1	Complies



Neutron Engineering Inc.

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2412
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH01/CH06/CH11-802.11n 20MHz		

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
4.10	2.5704	22.9500	197.2423	0.10091376	1	Complies
4.10	2.5704	22.8400	192.3092	0.09838987	1	Complies
4.10	2.5704	22.5900	181.5516	0.09288602	1	Complies

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2412
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH03/CH06/CH09-802.11n 40MHz		

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
4.10	2.5704	23.4900	223.3572	0.11427477	1	Complies
4.10	2.5704	23.3800	217.7710	0.11141672	1	Complies
4.10	2.5704	23.2800	212.8139	0.10888057	1	Complies