



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2412R

Project No. : 1205C015C
Equipment : 150Mbps Wireless-N AP/ Repeater / Router client
Model : WF2414
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.

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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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Cortec	AN2400-92F19BO	Dipole	N/A	5.71



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TEST RESULTS

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2414
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
5.71	3.7239	17.0200	50.3501	0.03732075	1	Complies
5.71	3.7239	17.2300	52.8445	0.03916971	1	Complies
5.71	3.7239	17.1200	51.5229	0.03819006	1	Complies

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2414
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
5.71	3.7239	24.2100	263.6331	0.19541161	1	Complies
5.71	3.7239	24.0200	252.3481	0.18704684	1	Complies
5.71	3.7239	24.1000	257.0396	0.19052430	1	Complies



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EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2414
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
5.71	3.7239	22.5300	179.0606	0.13272428	1	Complies
5.71	3.7239	22.0200	159.2209	0.11801858	1	Complies
5.71	3.7239	22.1500	164.0590	0.12160470	1	Complies

EUT:	150Mbps Wireless-N AP/ Repeater / Router client	Model Name :	WF2414
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
5.71	3.7239	23.0400	201.3724	0.14926238	1	Complies
5.71	3.7239	23.2500	211.3489	0.15665720	1	Complies
5.71	3.7239	23.1300	205.5891	0.15238786	1	Complies