



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2405R

Project No. : 1108C244
Equipment : 150Mbps Wireless-N Router/AP
Model : WF-2405
Applicant : NETIS SYSTEMS CO., LTD.
**Address : 9F, B Block, Tsinghua Information Park, High-tech
Industrial Park, Nanshan**
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:

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

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 name	Model Name	Antenna Type	Connector	Gain (dBi)
1	Gortec	NB0191-A	Integral Antenna	N/A	2.0

TEST RESULTS

EUT:	150Mbps Wireless-N Router/AP	Model Name :	WF-2405
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	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
2.0	1.5849	17.86	61.0942	0.019273	1	Complies
2.0	1.5849	18.05	63.8263	0.020135	1	Complies
2.0	1.5849	18.12	64.8634	0.020462	1	Complies



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Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	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
2.0	1.5849	16.62	45.9198	0.014486	1	Complies
2.0	1.5849	17.28	53.4564	0.016864	1	Complies
2.0	1.5849	17.55	56.8853	0.017945	1	Complies

EUT:	150Mbps Wireless-N Router/AP	Model Name :	WF-2405
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-20MHz /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
2.0	1.5849	16.76	47.4242	0.014961	1	Complies
2.0	1.5849	17.24	52.9663	0.016709	1	Complies
2.0	1.5849	16.94	49.4311	0.015594	1	Complies

EUT:	150Mbps Wireless-N Router/AP	Model Name :	WF-2405
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-40MHz /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
2.0	1.5849	16.65	46.2381	0.014586	1	Complies
2.0	1.5849	16.25	42.1697	0.013303	1	Complies
2.0	1.5849	16.82	48.0839	0.015169	1	Complies

Note:
All test result is complies.