Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2301RT

Project No.	**:** 1202C053
Equipment	**:** 150Mbps Wireless-N Outdoor Access Point
Model	**:** WF-2301
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**

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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	Model Name	Antenna Type	Connector	Gain (dBi)
1	Gortec	AN2400-6001NM	Dipole	N-type	7.0

TEST RESULTS

EUT：	150Mbps Wireless-N Outdoor Access Point	Model Name ：	WF-2301
Temperature：	25 ℃	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
7.0	5.0119	15.15	32.7341	0.03265505	1	Complies
7.0	5.0119	15.42	34.8337	0.03474964	1	Complies
7.0	5.0119	15.70	37.1535	0.03706384	1	Complies

EUT：	150Mbps Wireless-N Outdoor Access Point	Model Name ：	WF-2301
Temperature：	25 ℃	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
7.0	5.0119	21.69	147.5707	0.14721443	1	Complies
7.0	5.0119	22.31	170.2159	0.16980496	1	Complies
7.0	5.0119	22.30	169.8244	0.16941442	1	Complies

EUT：	150Mbps Wireless-N Outdoor Access Point	Model Name ：	WF-2301
Temperature：	25 ℃	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
7.0	5.0119	21.49	140.9289	0.14058869	1	Complies
7.0	5.0119	22.15	164.0590	0.16366295	1	Complies
7.0	5.0119	22.09	161.8080	0.16141741	1	Complies

EUT：	150Mbps Wireless-N Outdoor Access Point	Model Name ：	WF-2301
Temperature：	25 ℃	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
7.0	5.0119	22.35	171.7908	0.17137614	1	Complies
7.0	5.0119	22.32	170.6082	0.17019640	1	Complies
7.0	5.0119	21.67	146.8926	0.14653804	1	Complies