



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58DL4311R

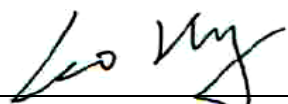
Project No. : 1305C107
Equipment : 150Mbps Wireless N ADSL2+ Modem Router
Model : DL4311
Applicant : NETIS SYSTEMS CO., LTD
Address : 9F,B Block, Tsinghua Information Park, High-tech Industrial Park, Nanshan, Shenzhen, China
Manufacturer : Shenzhen Netcore Industrial Ltd.
Address : 9F,B Block, Tsinghua Information Park, High-tech Industrial Park, Nanshan, Shenzhen, China
According: : FCC Guidelines for Human Exposure IEEE C95.1

Testing Engineer :




(David Mao)

Technical Manager :



(Leo Hung)

Authorized Signatory :



(Steven Lu)

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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 name	Model Name	Antenna Type	Connector	Gain (dBi)
1		AN2400-92F44BO	Dipole	N/A	5.31

TEST RESULTS

EUT :	150Mbps Wireless N ADSL2+ Modem Router	Model Name :	DL4311
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
5.31	3.3963	17.69	58.7489	0.03971462	1	Complies
5.31	3.3963	17.44	55.4626	0.03749302	1	Complies
5.31	3.3963	17.65	58.2103	0.03935051	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
5.31	3.3963	19.52	89.5365	0.06052717	1	Complies
5.31	3.3963	19.26	84.3335	0.05700991	1	Complies
5.31	3.3963	19.89	97.4990	0.06590986	1	Complies

EUT :	150Mbps Wireless N ADSL2+ Modem Router	Model Name :	DL4311
Temperature :	24 °C	Relative Humidity :	60 %
Pressure :	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-20M 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
5.31	3.3963	18.97	78.8860	0.05332740	1	Complies
5.31	3.3963	19.20	83.1764	0.05622771	1	Complies
5.31	3.3963	19.44	87.9023	0.05942242	1	Complies

EUT :	150Mbps Wireless N ADSL2+ Modem Router	Model Name :	DL4311
Temperature :	24 °C	Relative Humidity :	60 %
Pressure :	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /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
5.31	3.3963	18.52	71.1214	0.04807844	1	Complies
5.31	3.3963	18.58	72.1107	0.04874728	1	Complies
5.31	3.3963	18.05	63.8263	0.04314698	1	Complies