



**Neutron Engineering Inc.**

# FCC RF EXPOSURE REPORT

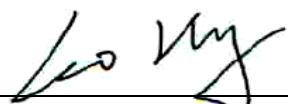
**FCC ID: T58DL4304R**

**Project No. : 1105C155A**  
**Equipment : ADSL2+ Modem Plus 150Mbps Wireless-N Router**  
**Model : DL4304;DL4304D**  
**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)

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(Leo Hung)

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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	HONGLIN	2.4GHz 5dBi	Dipole Antenna	N/A	5.28

### TEST RESULTS

EUT :	ADSL2+ Modem Plus 150Mbps Wireless-N Router	Model Name :	DL4304
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.28	3.3729	15.71	37.2392	0.02500060	1	Complies
5.28	3.3729	16.42	43.8531	0.02944085	1	Complies
5.28	3.3729	16.38	43.4510	0.02917094	1	Complies



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EUT :	ADSL2+ Modem Plus 150Mbps Wireless-N Router	Model Name :	DL4304
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.28	3.3729	16.09	40.6443	0.02728666	1	Complies
5.28	3.3729	16.39	43.5512	0.02923818	1	Complies
5.28	3.3729	16.05	40.2717	0.02703649	1	Complies

EUT :	ADSL2+ Modem Plus 150Mbps Wireless-N Router	Model Name :	DL4304
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.28	3.3729	17.46	55.7186	0.03740678	1	Complies
5.28	3.3729	17.58	57.2796	0.03845478	1	Complies
5.28	3.3729	16.94	49.4311	0.03318565	1	Complies

EUT :	ADSL2+ Modem Plus 150Mbps Wireless-N Router	Model Name :	DL4304
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.28	3.3729	15.26	33.5738	0.02253982	1	Complies
5.28	3.3729	16.33	42.9536	0.02883702	1	Complies
5.28	3.3729	16.81	47.9733	0.03220701	1	Complies