



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2117RT

Project No. : 1110C091
Equipment : 150Mbps Wireless-N PCI Adapter
Model : WF-2117
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 name	Model Name	Antenna Type	Connector	Gain (dBi)
1	HONGLIN	G033-3100 28-A	Dipole	R-SMA	5.0

TEST RESULTS

EUT:	150Mbps Wireless-N PCI Adapter	Model Name :	WF-2117
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1010 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
5.00	3.16	17.9200	61.9441	0.038990	1	Complies
5.00	3.16	17.9100	61.8016	0.038900	1	Complies
5.00	3.16	17.6100	57.6766	0.036304	1	Complies



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EUT:	150Mbps Wireless-N PCI Adapter	Model Name :	WF-2117
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
5.00	3.16	18.9700	78.8860	0.049654	1	Complies
5.00	3.16	19.2700	84.5279	0.053205	1	Complies
5.00	3.16	19.1400	82.0352	0.051636	1	Complies

EUT:	150Mbps Wireless-N PCI Adapter	Model Name :	WF-2117
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
5.00	3.16	18.4200	69.5024	0.043748	1	Complies
5.00	3.16	18.5900	72.2770	0.045494	1	Complies
5.00	3.16	18.3300	68.0769	0.042850	1	Complies

EUT:	150Mbps Wireless-N PCI Adapter	Model Name :	WF-2117
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
5.00	3.16	18.1600	65.4636	0.041205	1	Complies
5.00	3.16	17.5200	56.4937	0.035560	1	Complies
5.00	3.16	18.3100	67.7642	0.042653	1	Complies

Note:
All test result is complies.