



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2403R

Project No. : 1107C212
Equipment : Portable 300Mbps Wireless-N Router/AP
Model : WF-2403
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:

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

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	PIFA Antenna	N/A	2.0

TEST RESULTS

EUT:	Portable 300Mbps Wireless-N Router/AP	Model Name :	WF-2403
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Power :	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	15.30	33.8844	0.010689	1	Complies
2.0	1.5849	15.16	32.8095	0.010350	1	Complies
2.0	1.5849	15.09	32.2849	0.010185	1	Complies



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Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Power :	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	11.09	12.8529	0.004055	1	Complies
2.0	1.5849	11.45	13.9637	0.004405	1	Complies
2.0	1.5849	11.55	14.2889	0.004508	1	Complies

EUT:	Portable 300Mbps Wireless-N Router/AP	Model Name :	WF-2403
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX N-20M MODE /CH01, CH06, CH11 - ANT 1+ ANT 2		

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	10.24	10.5682	0.003334	1	Complies
2.0	1.5849	10.33	10.7895	0.003404	1	Complies
2.0	1.5849	10.34	10.8143	0.003412	1	Complies

EUT:	Portable 300Mbps Wireless-N Router/AP	Model Name :	WF-2403
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06, CH09 - ANT 1+ ANT 2		

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	10.32	10.7646	0.003396	1	Complies
2.0	1.5849	10.43	11.0408	0.003483	1	Complies
2.0	1.5849	10.65	11.6145	0.003664	1	Complies