



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: T58WF2471B

Project No. : 1211C122
Equipment : Wireless Dual Band Router
Model : WF2471
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	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Cortec	AN2400-92F19BO	Dipole	Mini	4.58	TX/RX
2	Cortec	AN2400-92F19BO	Dipole	Mini	4.58	TX/RX

TEST RESULTS

EUT:	Wireless Dual Band Router	Model Name :	WF2471
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode/CH36, CH40, CH48		

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
4.58	2.8708	13.65	23.1739	0.01324190	1	Complies
4.58	2.8708	13.72	23.5505	0.01345707	1	Complies
4.58	2.8708	13.56	22.6986	0.01297031	1	Complies



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EUT:	Wireless Dual Band Router	Model Name :	WF2471
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH36, CH40, CH48 -ANT1+ANT2		

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
4.58	2.8708	12.30	16.9824	0.00970399	1	Complies
4.58	2.8708	12.26	16.8267	0.00961502	1	Complies
4.58	2.8708	12.46	17.6198	0.01006817	1	Complies

EUT:	Wireless Dual Band Router	Model Name :	WF2471
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH38, CH46 -ANT1+ANT2		

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
4.58	2.8708	12.16	16.4437	0.00939616	1	Complies
4.58	2.8708	12.04	15.9956	0.00914009	1	Complies