

FCC RF EXPOSURE REPORT

FCC ID: T58WF2222R

Project No. : 1502C166
Equipment : 300Mbps Wireless N Ceiling-Mounted Access Point
Model : WF2222
Applicant : NETIS SYSTEMS CO., LTD
**Address : 4F&5F R&D Building, Oriental Cyberport,
High-Tech Industrial Park, Nanshan,
Shenzhen, China**

**According: : FCC Guidelines for Human Exposure IEEE
C95.1**

B T L I N C .

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
2		RGFRA1903 041A1T	Chip	N/A	2.00	TX/RX
3		RGFRA1903 041A1T	Chip	N/A	2.00	TX/RX

TEST RESULTS

EUT :	300Mbps Wireless N Ceiling-Mounted Access Point	Model Name :	WF2222
Temperature :	25 °C	Relative Humidity:	61 %
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
2.00	1.5849	16.86	48.5289	0.01530913	1	Complies
2.00	1.5849	16.85	48.4172	0.01527391	1	Complies
2.00	1.5849	16.75	47.3151	0.01492624	1	Complies

EUT :	300Mbps Wireless N Ceiling-Mounted Access Point	Model Name :	WF2222
Temperature :	25 °C	Relative Humidity:	61 %
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
2.00	1.5849	22.04	159.9558	0.05046036	1	Complies
2.00	1.5849	22.21	166.3413	0.05247475	1	Complies
2.00	1.5849	22.08	161.4359	0.05092727	1	Complies

EUT :	300Mbps Wireless N Ceiling-Mounted Access Point	Model Name :	WF2222
Temperature:	25 °C	Relative Humidity:	61 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /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
2.00	1.5849	22.21	166.3413	0.05247475	1	Complies
2.00	1.5849	22.09	161.8080	0.05104467	1	Complies
2.00	1.5849	22.22	166.7247	0.05259572	1	Complies

EUT :	300Mbps Wireless N Ceiling-Mounted Access Point	Model Name :	WF2222
Temperature:	25 °C	Relative Humidity:	61 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /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
2.00	1.5849	21.50	141.2538	0.04456053	1	Complies
2.00	1.5849	21.45	139.6368	0.04405045	1	Complies
2.00	1.5849	21.50	141.2538	0.04456053	1	Complies

Note: the calculated distance is 20 cm.