



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: YJYAP203NA

Project No. : 1110C168B
Equipment : 2150Mbps Wireless N Access Point
Model : FWA-600ND
Applicant : Shanghai Feixun Communication Co., Ltd.
Address : Wing B, 15/F, GDC Building, NO.9 Gaoxinzhong
3rd Ave., Nanshan, Shenzhen, Guangdong, 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	WuTong	K601-25002 6-A	Dipole	R-SMA	5.42

TEST RESULTS

EUT:	150Mbps Wireless N Access Point	Model Name :	FWA-600ND
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 ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5.42	3.4834	16.0200	39.9945	0.027730	1	Complies
5.42	3.4834	15.8700	38.6367	0.026789	1	Complies
5.42	3.4834	16.0000	39.8107	0.027602	1	Complies



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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
5.42	3.4834	17.5200	56.4937	0.039170	1	Complies
5.42	3.4834	18.8900	77.4462	0.053700	1	Complies
5.42	3.4834	18.6700	73.6207	0.051045	1	Complies

EUT:	150Mbps Wireless N Access Point	Model Name :	FWA-600ND
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
5.42	3.4834	17.9700	62.6614	0.043446	1	Complies
5.42	3.4834	17.3900	54.8277	0.038015	1	Complies
5.42	3.4834	17.6600	58.3445	0.040453	1	Complies

EUT:	150Mbps Wireless N Access Point	Model Name :	FWA-600ND
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
5.42	3.4834	16.6400	46.1318	0.031985	1	Complies
5.42	3.4834	16.1600	41.3048	0.028639	1	Complies
5.42	3.4834	16.2400	42.0727	0.029171	1	Complies