



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: V7T4G600

Project No. : 1403C126
Equipment : 3G/4G Wireless N150 Router
Model : 4G600
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD
**Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan
Road, Nanshan District, Shenzhen, China. 518052**

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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Tenda	NA	Dipole	N/A	5	TX/RX



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EUT:	3G/4G Wireless N150 Router	Model Name :	4G600
Temperature:	25 °C	Relative Humidity:	55 %
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	3.1623	14.26	26.6686	0.01678612	1	Complies
5	3.1623	14.03	25.2930	0.01592027	1	Complies
5	3.1623	13.89	24.4906	0.01541524	1	Complies

EUT:	3G/4G Wireless N150 Router	Model Name :	4G600
Temperature:	25 °C	Relative Humidity:	55 %
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	3.1623	19.05	80.3526	0.05057669	1	Complies
5	3.1623	18.87	77.0903	0.04852330	1	Complies
5	3.1623	19.07	80.7235	0.05081014	1	Complies



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EUT:	3G/4G Wireless N150 Router	Model Name :	4G600
Temperature:	25 °C	Relative Humidity:	55 %
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
5	3.1623	18.42	69.5024	0.04374721	1	Complies
5	3.1623	18.44	69.8232	0.04394914	1	Complies
5	3.1623	18.51	70.9578	0.04466325	1	Complies

EUT:	3G/4G Wireless N150 Router	Model Name :	4G600
Temperature:	25 °C	Relative Humidity:	55 %
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
5	3.1623	19.22	83.5603	0.05259572	1	Complies
5	3.1623	19.11	81.4704	0.05128028	1	Complies
5	3.1623	19.02	79.7995	0.05022852	1	Complies

The calculated distance is 20 cm