



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: V7T4G300

Project No. : 1402C140
Equipment : Wireless N300 3G/4G Router
Model : 4G300; 4G303
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD.
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China.

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

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	NA	Printed	N/A	3	TX/RX
2	N/A	NA	Printed	N/A	3	TX/RX



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TEST RESULTS

EUT:	Wireless N300 3G/4G Router	Model Name :	4G300; 4G303
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
3	1.9953	9.96	9.9083	0.00393505	1	Complies
3	1.9953	9.7	9.3325	0.00370638	1	Complies
3	1.9953	9.69	9.3111	0.00369786	1	Complies

EUT:	Wireless N300 3G/4G Router	Model Name :	4G300; 4G303
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
3	1.9953	9.96	9.9083	0.00393505	1	Complies
3	1.9953	9.87	9.7051	0.00385434	1	Complies
3	1.9953	9.97	9.9312	0.00394412	1	Complies



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EUT:	Wireless N300 3G/4G Router	Model Name :	4G300; 4G303
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
3	1.9953	9.95	9.8855	0.00392600	1	Complies
3	1.9953	9.91	9.7949	0.00389001	1	Complies
3	1.9953	9.98	9.9541	0.00395321	1	Complies

EUT:	Wireless N300 3G/4G Router	Model Name :	4G300; 4G303
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
3	1.9953	9.86	9.6828	0.00384548	1	Complies
3	1.9953	9.95	9.8855	0.00392600	1	Complies
3	1.9953	9.99	9.9770	0.00396233	1	Complies

The calculated distance is 20 cm