

FCC RF EXPOSURE REPORT

FCC ID: X4YNBL300P

Project No. : 1705C094
Equipment : Wireless-N Broadband Router
Model : ARN02304U6
Applicant : NEXXT SOLUTIONS
Address : 3505 N.W 107TH AVE. MIAMI Florida United States 33178

According: : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

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
1	N/A	N/A	Dipole	N/A	5	N/A
2	N/A	N/A	Dipole	N/A	5	N/A

TEST RESULTS

EUT :	Wireless-N Broadband Router	Model Name :	NEXXT
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	27.09	511.6818	0.32207	1	Complies
5	3.1623	27.06	508.1594	0.31985	1	Complies
5	3.1623	26.46	442.5884	0.27858	1	Complies

EUT :	Wireless-N Broadband Router	Model Name :	NEXXT
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	28.41	693.4258	0.43647	1	Complies
5	3.1623	28.86	769.1304	0.48412	1	Complies
5	3.1623	28.06	639.7348	0.40267	1	Complies

EUT :	Wireless-N Broadband Router	Model Name :	NEXXT
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	29.81	957.1941	0.60249	1	Complies
5	3.1623	29.74	941.8896	0.59286	1	Complies
5	3.1623	29.40	870.9636	0.54821	1	Complies

EUT :	Wireless-N Broadband Router	Model Name :	NEXXT
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M 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	26.91	490.9079	0.30899	1	Complies
5	3.1623	29.52	895.3648	0.56357	1	Complies
5	3.1623	26.76	474.2420	0.29850	1	Complies

Note: the calculated distance is 20 cm.