Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: K7SF9K1009V1

Project No.	**: 1402C046**
Equipment	**: Wireless N150 Router**
Model	**: F9K1009v1**
Applicant	**: Belkin International, Inc.**
Address	**: 12045 East Waterfront Dr. Playa Vista, California, United States**
According:	**: FCC Guidelines for Human Exposure IEEE C95.05.1**

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 Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Dongguan City Xinsheng Electronics Co., Ltd	800000000005-11-12-13	Dipole	NA	3	TX/RX

TEST RESULTS

EUT：	Wireless N150 Router	Model Name ：	F9K1009v1
Temperature：	25 ℃	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	18.95	78.5236	0.03118533	1	Complies
3	1.9953	18.91	77.8037	0.03089942	1	Complies
3	1.9953	18.87	77.0903	0.03061614	1	Complies

EUT：	Wireless N150 Router	Model Name ：	F9K1009v1
Temperature：	25 ℃	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	21.35	136.4583	0.05419390	1	Complies
3	1.9953	21.98	157.7611	0.06265423	1	Complies
3	1.9953	22.15	164.0590	0.06515539	1	Complies

EUT：	Wireless N150 Router	Model Name ：	F9K1009v1
Temperature：	25 ℃	Relative Humidity：	55 %
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
3	1.9953	21.17	130.9182	0.05199366	1	Complies
3	1.9953	21.05	127.3503	0.05057669	1	Complies
3	1.9953	21.80	151.3561	0.06011050	1	Complies

EUT：	Wireless N150 Router	Model Name ：	F9K1009v1
Temperature：	25 ℃	Relative Humidity：	55 %
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
3	1.9953	21.47	140.2814	0.05571221	1	Complies
3	1.9953	21.50	141.2538	0.05609839	1	Complies
3	1.9953	21.82	152.0548	0.06038796	1	Complies

Note: the calculation distance is 20cm.