



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: KA2IR600MC1

Project No. : 1304C169
Equipment : Wireless Router
Model : DIR-600M+; DIR-600M; DIR-610
Applicant : D-LINK CORPORATION
Address : No. 289, Sinhu 3rd Rd., Neihu District, Taipei City
114, Taiwan, P.O.C

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:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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 Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1		800000000237	Dipole	N/A	5.05	



TEST RESULTS

EUT:	Wireless Router	Model Name :	DIR-600M+
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1012 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
5.05	3.1989	16.78	47.6431	0.03033544	1	Complies
5.05	3.1989	16.69	46.6659	0.02971326	1	Complies
5.05	3.1989	16.90	48.9779	0.03118533	1	Complies

EUT:	Wireless Router	Model Name :	DIR-600M+
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1012 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
5.05	3.1989	21.55	142.8894	0.09098093	1	Complies
5.05	3.1989	21.93	155.9553	0.09930026	1	Complies
5.05	3.1989	21.43	138.9953	0.08850145	1	Complies



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EUT:	Wireless Router	Model Name :	DIR-600M+
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20MHz 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
5.05	3.1989	24.10	257.0396	0.16366295	1	Complies
5.05	3.1989	23.72	235.5049	0.14995135	1	Complies
5.05	3.1989	23.12	205.1162	0.13060216	1	Complies

EUT:	Wireless Router	Model Name :	DIR-600M+
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40MHz 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
5.05	3.1989	23.55	226.4644	0.14419506	1	Complies
5.05	3.1989	23.49	223.3572	0.14221663	1	Complies
5.05	3.1989	23.41	219.2805	0.13962088	1	Complies

Note: the calculation distance is 20cm.