



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: KA2SL2730EV1

Project No. : 1403C121
Equipment : Wireless N 150 ADSL2+ Modem Router
Model : DSL-2730U; DSL-2730E
Applicant : D Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley,
California, United States 92708

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:

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

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 Field Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note	Length
1	Dongguan City Xinsheng Electronics Co., Ltd	800000000237	Dipole	N/A	5.33	TX/RX	100mm



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EUT:	Wireless N 150 ADSL2+ Modem Router	Model Name :	DSL-2730U; DSL-2730E
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
5.33	3.4119	18.31	67.7642	0.04602040	1	Complies
5.33	3.4119	18.01	63.2412	0.04294873	1	Complies
5.33	3.4119	17.81	60.3949	0.04101572	1	Complies

EUT:	Wireless N 150 ADSL2+ Modem Router	Model Name :	DSL-2730U; DSL-2730E
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
5.33	3.4119	19.51	89.3305	0.06066670	1	Complies
5.33	3.4119	19.81	95.7194	0.06500554	1	Complies
5.33	3.4119	18.7	74.1310	0.05034431	1	Complies



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EUT:	Wireless N 150 ADSL2+ Modem Router	Model Name :	DSL-2730U; DSL-2730E
Temperature:	25 °C	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
5.33	3.4119	19.67	92.6830	0.06294342	1	Complies
5.33	3.4119	19.52	89.5365	0.06080655	1	Complies
5.33	3.4119	18.35	68.3912	0.04644622	1	Complies

EUT:	Wireless N 150 ADSL2+ Modem Router	Model Name :	DSL-2730U; DSL-2730E
Temperature:	25 °C	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
5.33	3.4119	19.02	79.7995	0.05419390	1	Complies
5.33	3.4119	19.49	88.9201	0.06038796	1	Complies
5.33	3.4119	18.47	70.3072	0.04774747	1	Complies

The calculated distance is 20 cm