



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: KA2SL2750EV1

Project No. : 1403C121
Equipment : Wireless N 300 ADSL2+ Modem Router
Model : DSL-2750U; DSL-2740U; DSL-2750E;
DSL-2740E
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
2	Dongguan City Xinsheng Electronics Co., Ltd	800000000275	Dipole	N/A	5.07	TX/RX	200mm



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EUT:	Wireless N 300 ADSL2+ Modem Router	Model Name :	DSL-2750U; DSL-2740U; DSL-2750E; DSL-2740E
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	17.6	57.5440	0.04435580	1	Complies
5.33	3.4119	17.54	56.7545	0.04374721	1	Complies
5.33	3.4119	17.95	62.3735	0.04807844	1	Complies

EUT:	Wireless N 300 ADSL2+ Modem Router	Model Name :	DSL-2750U; DSL-2740U; DSL-2750E; DSL-2740E
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	19.52	89.5365	0.06901609	1	Complies
5.33	3.4119	19.68	92.8966	0.07160616	1	Complies
5.33	3.4119	19.47	88.5116	0.06822607	1	Complies



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EUT:	Wireless N 300 ADSL2+ Modem Router	Model Name :	DSL-2750U; DSL-2740U; DSL-2750E; DSL-2740E
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
5.33	3.4119	22.07	161.0646	0.12415104	1	Complies
5.33	3.4119	22.19	165.5770	0.12762929	1	Complies
5.33	3.4119	22.21	166.3413	0.12821840	1	Complies

EUT:	Wireless N 300 ADSL2+ Modem Router	Model Name :	DSL-2750U; DSL-2740U; DSL-2750E; DSL-2740E
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
5.33	3.4119	21.84	152.7566	0.11774714	1	Complies
5.33	3.4119	21.86	153.4617	0.11829064	1	Complies
5.33	3.4119	21.89	154.5254	0.11911059	1	Complies

The calculated distance is 20 cm