

FCC RF EXPOSURE REPORT

FCC ID: KA2SL2750BT1

Project No. : 1509C160A
Equipment : Wireless N ADSL2+ 3G USB Router
Model : DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B
Applicant : D-Link Corporation
**Address : 17595 Mt Herrmann, Fountain Valley, California,
United States 92708**

According: : FCC Guidelines for Human Exposure IEEE C95.1

B T L I N C .

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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

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | Note |
|------|------------------------------------------------------------------------------------|----------------|--------------|-----------|------------|-------|
| 1 |  | AN2400-37GXXBO | Dipole | N/A | 2 | TX/RX |
| 2 |  | AN2400-37GXXBO | Dipole | N/A | 2 | TX/RX |

TEST RESULTS

| | | | |
|----------------|---------------------------------|--------------------|-----------|
| EUT : | Wireless N ADSL2+ 3G USB Router | Model Name : | DSL-2750B |
| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 2 | 1.5849 | 21.01 | 126.1828 | 0.03980617 | 1 | Complies |
| 2 | 1.5849 | 20.74 | 118.5769 | 0.03740678 | 1 | Complies |
| 2 | 1.5849 | 20.62 | 115.3453 | 0.03638735 | 1 | Complies |

| | | | |
|----------------|---------------------------------|--------------------|-----------|
| EUT : | Wireless N ADSL2+ 3G USB Router | Model Name : | DSL-2750B |
| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 2 | 1.5849 | 21.55 | 142.8894 | 0.04507652 | 1 | Complies |
| 2 | 1.5849 | 22.88 | 194.0886 | 0.06122804 | 1 | Complies |
| 2 | 1.5849 | 20.44 | 110.6624 | 0.03491004 | 1 | Complies |

| | | | |
|----------------|----------------------------------------|--------------------|-----------|
| EUT : | Wireless N ADSL2+ 3G USB Router | Model Name : | DSL-2750B |
| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 2 | 1.5849 | 24.44 | 277.9713 | 0.08769006 | 1 | Complies |
| 2 | 1.5849 | 24.98 | 314.7748 | 0.09930026 | 1 | Complies |
| 2 | 1.5849 | 24.53 | 283.7919 | 0.08952625 | 1 | Complies |

| | | | |
|----------------|----------------------------------------|--------------------|-----------|
| EUT : | Wireless N ADSL2+ 3G USB Router | Model Name : | DSL-2750B |
| 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 |
|--------------------|------------------------|-------------------------|------------------------|-----------------------------------------|--------------------------------------------------|-------------|
| 2 | 1.5849 | 23.81 | 240.4363 | 0.07584909 | 1 | Complies |
| 2 | 1.5849 | 25.54 | 358.0964 | 0.11296668 | 1 | Complies |
| 2 | 1.5849 | 23.49 | 223.3572 | 0.07046125 | 1 | Complies |

Note: the calculated distance is 20 cm.