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## RF Exposure Report

**Report No.:** SA150807E08

**FCC ID:** KA2SL2740EA1

**Test Model:** DSL-2740E

**Series Model:** DSL-2740U, DSL-2750U, DSL-2745

**Received Date:** Aug. 07, 2015

**Test Date:** Dec. 04, 2015

**Issued Date:** Jan. 06, 2016

**Applicant:** D-Link Corporation

**Address:** No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Hsin Chu Laboratory

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**Test Location (1):** E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,  
Taiwan R.O.C.

**Test Location (2):** No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin  
Chu Hsien 307, Taiwan R.O.C.

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## Table of Contents

<b>Release Control Record</b> .....	<b>3</b>
<b>1 Certificate of Conformity</b> .....	<b>4</b>
<b>2 RF Exposure</b> .....	<b>5</b>
2.1 Limits For Maximum Permissible Exposure (MPE).....	5
2.2 MPE Calculation Formula .....	5
2.3 Classification .....	5
2.4 Antenna Gain .....	5
<b>3 Calculation Result Of Maximum Conducted Power</b> .....	<b>6</b>



A D T

### Release Control Record

Issue No.	Description	Date Issued
SA150807E08	Original release.	Jan. 06, 2016



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## 1 Certificate of Conformity

**Product:** Wireless N300 ADSL2+ Modem Router

**Brand:** D-Link

**Test Model:** DSL-2740E

**Series Model:** DSL-2740U, DSL-2750U, DSL-2745

**Sample Status:** ENGINEERING SAMPLE

**Applicant:** D-Link Corporation

**Test Date:** Dec. 04, 2015

**Standards:** FCC Part 2 (Section 2.1091)

447498 D01 General RF Exposure Guidance v06

IEEE Std C95.1-2005

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :** \_\_\_\_\_, **Date:** \_\_\_\_\_  
Elsie Hsu / Specialist

**Approved by :** \_\_\_\_\_, **Date:** \_\_\_\_\_  
May Chen / Manager

## 2 RF Exposure

### 2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

So, this device is classified as **Mobile Device**.

### 2.4 Antenna Gain

Antenna Set 1							
Transmitter Circuit	Brand	Model no.	Ant. Gain (dBi)	Frequency range (GHz to GHz)	Antenna Type	Connecter Type	Cable Length (cm)
Chain (0)	NA	C037-511367-A	5	2.4~2.5	Dipole	NA	25
Chain (1)	NA	C037-511383-A	5	2.4~2.5	Dipole	NA	8.5
Antenna Set 2							
Transmitter Circuit	Brand	Model no.	Ant. Gain (dBi)	Frequency range (GHz to GHz)	Antenna Type	Connecter Type	Cable Length (cm)
Chain (0)	NA	C037-511389-A	2	2.4~2.5	Dipole	NA	25
Chain (1)	NA	C037-511388-A	2	2.4~2.5	Dipole	NA	8.5

From the above antenna set, antenna set 1 was selected as representative model for the test and its data was recorded in this report.

### 3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412-2462	138.885	8.01	20	0.17474	1

**NOTE:** Directional gain = 5dBi + 10log(2) = 8.01dBi

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