

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

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Table of Contents

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



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Release Control Record

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

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:** Jan. 06, 2016
Elsie Hsu / Specialist

Approved by : , **Date:** Jan. 06, 2016
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 ²)	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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	Connector 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	Connector 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 ²)	Limit (mW/cm ²)
2412-2462	138.885	8.01	20	0.17474	1

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

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