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
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
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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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

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

where

Pd = power density in mW/cm^2

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^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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