



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

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Applicant: D-Link Corporation

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Release Control Record

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

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/cm²

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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