RF EXPOSURE REPORT

REPORT NO.:	SA110615C13
MODEL NO.:	DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B
FCC ID:	KA2SL2750UT1
RECEIVED:	Jun. 15, 2011
TESTED:	Jul. 5 ~ 12, 2011
ISSUED:	Sep. 23, 2011

APPLICANT:	D-Link Corporation
ADDRESS:	17595 Mt. Hermann, Fountain Valle, California, United States, 92708

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB LOCATION:	No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,New Taipei City, Taiwan (R.O.C)

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110615C13	Original release	Sep. 23, 2011

1. CERTIFICATION

PRODUCT:	Wireless N ADSL2+ 3G USB Router
BRAND NAME:	D-Link
MODEL NO.:	DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B
APPLICANT:	D-Link Corporation
TEST ITEM:	ENGINEERING SAMPLE
TESTED:	Jul. 5 ~ 12, 2011
STANDARDS:	FCC Part 2 (Section 2.1091) FCC OET Bulletin 65, Supplement C (01-01) IEEE C95.1

The above equipment (model no.: DSL-2750B) 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 : Celia Chen , DATE: Sep. 23. 2011
(Celia Chen / Senior Specialist)

APPROVED BY : Ken Liu , DATE: Sep. 23. 2011
(Ken Liu / Manager)

2. RF EXPOSURE LIMIT

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

3. MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

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

4. 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**.

5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FCC ID: KA2SL2750UT1
FOR WLAN OF EUT:

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	25.3	5	20	0.2132	1.00

FCC ID: KA2WM156A3
FOR WWAN

MODE	MAX RADIATED POWER (dBm)	SOUCE-TIME AVERAGE POWER(dBm)	MPE (mW/cm^2)	LIMIT (mW/cm^2)
GSM 850	26.82	20.82	0.024	0.55
PCS 1900	24.45	18.45	0.014	1.00

MODE	MAX RADIATED POWER (dBm)	MPE (mW/cm^2)	LIMIT (mW/cm^2)
WCDMA Band II	16.94	0.010	1.00
WCDMA Band V	13.37	0.004	0.55

CONCULSION:

Both of the modules can transmit simultaneously, the formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1

CPD = Calculation power density

LPD = Limit of power density

1. WLAN+GSM 850 = 0.2132/1 + 0.024/0.55 = 0.2568
2. WLAN+PCS 1900 = 0.2132/1 + 0.014/1 = 0.2272
3. WLAN+WCDMA Band II = 0.2132/1 + 0.010/1 = 0.2232
4. WLAN+WCDMA Band V = 0.2132/1 + 0.004/0.55 = 0.2205

Therefore, the maximum calculation of this situation is 0.2568, which is less than the "1" limit.

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