



RF EXPOSURE REPORT

REPORT NO.: SA120302C15A
MODEL NO.: DIR-826L
FCC ID: KA2IR636LA1
RECEIVED: Mar. 22, 2012
TESTED: Mar. 26 ~ Mar. 27, 2012
ISSUED: Apr. 11, 2012

APPLICANT: D-Link Corporation

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U.S.A.

ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

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TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120302C15A	Original release	Apr. 11, 2012

1. CERTIFICATION

PRODUCT: Wireless N600 Dual Band Gigabit Cloud Router,
Cloud Router 2000

MODEL NO.: DIR-826L

BRAND: D-Link

APPLICANT: D-Link Corporation

TESTED: Mar. 26 ~ Mar. 27, 2012

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: **FCC Part 2 (Section 2.1091)**
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: DIR-826L) 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 : Ivy Lin , DATE : Apr. 11, 2012
Ivy Lin / Specialist

APPROVED BY : Gary Chang , DATE : Apr. 11, 2012
Gary Chang / Technical 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

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

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 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

MPE for the product (FCC ID: KA2IR636LA1)

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412~2462	20.91	0	20	0.025	1

MPE for a certified 5G module (FCC ID: KA2IR826LMO1)

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
5180~5240	16.9	0	20	0.010	1
5745~5825	26.1	0	20	0.081	1

The product will install a certified 5G module (FCC ID: KA2IR826LMO1) and support co-transmission.

Co-located MPE is

$$0.025 / 1 + 0.081 / 1 = 0.106 < 1$$