



RF EXPOSURE REPORT

REPORT NO.: SA130904E04
MODEL NO.: DIR-619L
FCC ID: KA2IR619LB1
RECEIVED: Sep. 04, 2013
TESTED: Sep. 30 to Nov. 08, 2013
ISSUED: Nov. 21, 2013

APPLICANT: D-Link Corporation

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130904E04	Original release	Nov. 21, 2013

1. CERTIFICATION

PRODUCT: Wireless N 300 Cloud Router
BRAND NAME: D-Link
MODEL NO.: DIR-619L
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: D-Link Corporation
TESTED DATE: Sep. 30 to Nov. 08, 2013
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: DIR-619L) 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:** Nov. 21, 2013
(Elsie Hsu, Specialist)

APPROVED BY :  , **DATE:** Nov. 21, 2013
(May Chen, 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

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

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

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. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Chain	Brand Name	Model Name	Net Gain (dBi)	Antenna Gain(dBi) excluding cable loss	Antenna Type	Cable Loss(dB)	Cable Length	Connect or Type	Frequency range (GHz to GHz)
Chain (0)	WHA YU	C037-511292-A(SRF2 013019)(X2)	3.5	4.5	Dipole	1	225	NA	2.4~2.5
Chain (1)	WHA YU	C037-511291-A(SRF2 013018)(X2)	4	4.5	Dipole	0.5	80	NA	2.4~2.5
Chain (2)	WHA YU	C037-511291-A(SRF2 013018)(X2)	4	4.5	Dipole	0.5	80	NA	2.4~2.5

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
2412 - 2462	575.870	4	20	0.28778	1.00

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