



RF EXPOSURE REPORT

REPORT NO.: SA991117C18A R1

MODEL NO.: DIR-615H1

FCC ID: KA2IR615H1

ACCORDING: FCC Guidelines for Human Exposure
IEEE C95.1

APPLICANT: D-Link Corporation

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ISSUED BY: Bureau Veritas Consumer Products Services
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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|------------------|--------------------|---------------|
| Original release | NA | Mar. 11, 2011 |
| SA991117C18A R1 | Revised model name | Mar. 24, 2011 |

1. 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

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

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**.

4. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| MODULATION MODE | FREQUENCY BAND (MHz) | MAX POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|-----------------|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 802.11b | 2412-2462 | 20.8 | 2 | 20 | 0.038 | 1 |
| 802.11g | 2412-2462 | 25.2 | 2 | 20 | 0.104 | 1 |
| 802.11n (20MHz) | 2412-2462 | 24.8 | 2 | 20 | 0.095 | 1 |
| 802.11n (40MHz) | 2422-2452 | 24.9 | 2 | 20 | 0.097 | 1 |