

# RF EXPOSURE REPORT

**REPORT NO.:** SA140910C19

**MODEL NO.:** DAP-1315, DAP-1316-ES

**FCC ID:** KA2AP1315A1

**RECEIVED:** Sep. 10, 2014

**TESTED:** Sep. 16 ~ Sep. 18, 2014

**ISSUED:** Sep. 25, 2014

**APPLICANT:** D-LINK CORPORATION

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

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## RELEASE CONTROL RECORD

| ISSUE NO.   | REASON FOR CHANGE | DATE ISSUED   |
|-------------|-------------------|---------------|
| SA140910C19 | Original release. | Sep. 25, 2014 |

## 1. CERTIFICATION

**PRODUCT:** Wireless N300 POE Bridge  
**MODEL:** DAP-1315, DAP-1316-ES  
**BRAND:** D-Link  
**APPLICANT:** D-LINK CORPORATION  
**TESTED:** Sep. 16 ~ Sep. 18, 2014  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**KDB 447498 D03**  
**IEEE C95.1**

The above equipment (Model: DAP-1315) 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 :** Polly Chien , **DATE :** Sep. 25, 2014  
Polly Chien / Specialist

**APPROVED BY :** Ken Liu , **DATE :** Sep. 25, 2014  
Ken Liu / Senior 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 <sup>2</sup> ) | 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/cm<sup>2</sup>

$P_{out}$  = 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 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| MAX POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm <sup>2</sup> ) | LIMIT (mW/cm <sup>2</sup> ) |
|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 26.60           | 4.51               | 20            | 0.257                               | 1                           |

**NOTE:** Directional gain = 1.5dBi + 10log(2) = 4.51dBi