



# RF EXPOSURE REPORT

**REPORT NO.:** SA151102C13  
**MODEL NO.:** DCH-S150  
**FCC ID:** KA2CHS150B1  
**RECEIVED:** Feb. 11, 2014  
**TESTED:** Feb. 19, 2014 ~ Dec. 03, 2015  
**ISSUED:** Dec. 16, 2015

**APPLICANT:** D-LINK CORPORATION

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

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The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA151102C13	Original release	Dec. 16, 2015

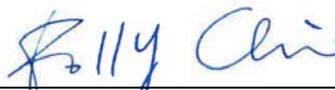


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## 1. CERTIFICATION

**PRODUCT:** mydlink Wi-Fi Motion Sensor  
**MODEL NO.:** DCH-S150  
**BRAND:** D-Link  
**APPLICANT:** D-LINK CORPORATION  
**TESTED:** Feb. 19, 2014 ~ Dec. 03, 2015  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**KDB 447498 D01 (October 23, 2015)**  
**IEEE C95.1**

The above equipment (model: DCH-S150) 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** : Dec. 16, 2015  
Polly Chien / Specialist

**APPROVED BY** :  , **DATE** : Dec. 16, 2015  
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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
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

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	27.29	3.01	20	0.213	1

**NOTE:** Directional gain = 0dBi + 10log(2) = 3.01dBi