

RF Exposure Report

Report No.: SA161018E04

FCC ID: KA2SHC310A1

Test Model: DSH-C310

Received Date: Oct. 18, 2016

Test Date: Oct. 31, 2016

Issued Date: Dec. 16, 2016

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.	Description	Date Issued
SA161018E04	Original release.	Dec. 16, 2016

1 Certificate of Conformity

Product: Omna 180Cam HD

Brand: D-Link

Test Model: DSH-C310

Sample Status: ENGINEERING SAMPLE

Applicant: D-Link Corporation


Test Date: Oct. 31, 2016

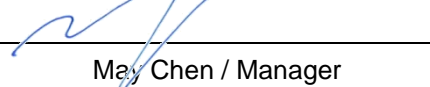
Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment 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, 2016
Claire Kuan / Specialist

Approved by :  , **Date:** Dec. 16, 2016
May Chen / 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

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = 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 Antenna Gain

Brand	Model	Antenna Net Gain(dBi)	Frequency range (GHz ~ GHz)	Antenna Type	Connecter Type	Cable Length (mm)
Mgear	C037-511444-A	2.4	2.4~2.4835	PCB	MHF	56.5
		4.8	5.15~5.85			

2.5 Calculation Result of Maximum Conducted Power

Frequency (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412-2462	349.14	2.4	20	0.12071	1
5180-5240	221.82	4.8	20	0.13327	1
5745-5825	224.905	4.8	20	0.13512	1

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