

RF Exposure Report

Report No.: SA180223D13

FCC ID: 2ABRC-LDLHGUZ

Test Model: LH150

Series Model: LDLHGUZ

Received Date: Feb. 23, 2018

Test Date: Apr. 2 ~ 26, 2018

Issued Date: May 10, 2018

Applicant: Optoma Corporation

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Taiwan

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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(R.O.C.)



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Release Control Record

Issue No.	Description	Date Issued
SA180223D13	Original release.	May 10, 2018

1 Certificate of Conformity

Product: DLP Projection Display
Brand: Optoma
Test Model: LH150
Series Model: LDLHGUZ
Sample Status: Engineering Sample
Applicant: Optoma Corporation
Test Date: Apr. 2 ~ 26, 2018
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 RF characteristics under the conditions specified in this report.

Prepared by : Jessica Cheng , **Date:** May 10, 2018
Jessica Cheng / Senior Specialist

Approved by : Rex Lai , **Date:** May 10, 2018
Rex Lai / Associate Technical 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				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	f/1500	30
1500-100,000	1.0	30

f = Frequency in MHz ; *Plane-wave equivalent power density

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 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2402-2480	-4.06	0	20	0.0001	1

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