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## LUME CUBE LC-V2-1

# LUME CUBE 2.0 Portable LED Light User Manual

Model: LC-V2-1

Introduction What's in the Box Product Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

## 1. Introduction

The LUME CUBE 2.0 is a compact, app-controlled, and waterproof LED light designed for photography and video applications. It provides professional-quality illumination for various indoor and outdoor shooting environments, offering adjustable brightness and robust construction.

*Image 1.1: The LUME CUBE 2.0 Portable LED Light, showcasing its compact, cube-shaped design with the light emitter facing forward and control buttons on top.*

## 2. What's in the Box

Verify that all components are present upon unboxing:

- Lume Cube 2.0 LED Light
- DSLR Shoe Mount
- USB-C Charging Cable

## 3. Product Overview

The LUME CUBE 2.0 is engineered with several key features to enhance your lighting capabilities:

- **Professional Quality:** Daylight balanced 5600K, 95+ CRI, and a diffused beam angle of 80º for consistent and high-quality illumination.
- **Adjustable Brightness:** Offers 10 levels of brightness control, accessible via manual buttons or wirelessly through Bluetooth.
- **Smartphone Control:** Seamless integration with the Lume-X app for both iPhone and Android devices, enabling remote control of light settings.
- **Waterproof & Durable:** Constructed with an aluminum housing, providing waterproof capabilities up to 10 meters (30 feet).
- **Compact and Portable:** Designed for ease of transport and use in various locations.

*Image 3.1: Top view of the LUME CUBE 2.0, showing the power button and brightness adjustment buttons (+/-) for manual control.*

## 4. Setup

### 4.1. Charging the Device

Before initial use, fully charge your LUME CUBE 2.0. Connect the provided USB-C charging cable to the device's charging port and plug the other end into a compatible USB power source.

*Image 4.1: A hand connecting a USB-C cable to the LUME CUBE 2.0 for charging. The charging port is visible on the side of the device.*

## 4.2. Mounting Options

The LUME CUBE 2.0 includes a DSLR shoe mount for easy attachment to cameras. It can also be mounted to various accessories using its integrated 1/4"-20 tripod thread.

*Image 4.2: The LUME CUBE 2.0 attached to the hot shoe of a DSLR camera, providing on-camera illumination.*

## 4.3. App Control (Lume-X App)

For advanced control, download the Lume-X app from the App Store (iOS) or Google Play Store (Android). Enable Bluetooth on your smartphone and follow the in-app instructions to pair with your LUME CUBE 2.0. The app allows for wireless brightness adjustment and other settings.

*Image 4.3: A smartphone displaying the Lume-X app interface, showing controls for brightness and strobe settings for the LUME CUBE 2.0.*

## 5. Operating Instructions

### 5.1. Power On/Off

- To power on, press and hold the power button (marked with a circle and vertical line) on the top of the LUME CUBE 2.0 until the light illuminates.
- To power off, press and hold the power button again until the light turns off.

### 5.2. Adjusting Brightness

- **Manual Control:** Use the '+' and '-' buttons on the top of the device to increase or decrease brightness in 10 distinct levels.
- **App Control:** Open the Lume-X app on your paired smartphone and use the brightness slider to precisely adjust the light output.

### 5.3. Waterproof Use

The LUME CUBE 2.0 is designed to be waterproof up to 10 meters (30 feet). Ensure all ports and covers are securely closed before submerging the device in water.

*Image 5.1: The LUME CUBE 2.0 resting on a rock in shallow water, demonstrating its waterproof capability.*

## 6. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth. Avoid abrasive cleaners or solvents.
- **Storage:** Store the LUME CUBE 2.0 in a cool, dry place when not in use.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, even during periods of non-use.

## 7. Troubleshooting

- **Device Not Turning On:** Ensure the battery is charged. Connect to a power source using the USB-C cable and attempt to power on after a few minutes.
- **Cannot Connect to App:**
    1. Ensure Bluetooth is enabled on your smartphone.
    2. Verify the LUME CUBE 2.0 is powered on.
    3. Restart both the LUME CUBE 2.0 and your smartphone.

4. Ensure the Lume-X app is updated to the latest version.

- **Light Output Issues:** Check brightness settings via manual controls or the app. Ensure the device is not in a low-power mode.

## 8. Specifications

| Feature | Detail |
|---|---|
| Product Dimensions | 1.57 x 1.57 x 1.57 inches |
| Item Weight | 8.4 ounces |
| Item Model Number | LC-V2-1 |
| Batteries | 1 Lithium Polymer battery (included) |
| Connectivity Technology | Bluetooth, USB |
| Hardware Interface | Bluetooth |
| UPC | 810019500381 |
| Manufacturer | Lume Cube, Inc. |

## 9. Warranty and Support

For warranty information and technical support, please refer to the official LUME CUBE website or contact their customer service directly. Keep your proof of purchase for warranty claims.
**Online Resources:** www.lumecube.com/support

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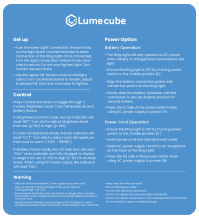
### Related Documents - LC-V2-1

| | |
|---|---|
| | Lume Cube LC-V2-1: Premium Lighting for Creators<br>Explore the Lume Cube LC-V2-1, a versatile lighting solution designed for creators. Features include app control via Lume-X, a 1-year warranty, and detailed FCC compliance information. |
| | Lume Cube PANEL PRO Instruction Manual - LED Panel Light Guide<br>Comprehensive instruction manual for the Lume Cube PANEL PRO LED panel light. Learn about setup, features, modes, specifications, and app control for professional lighting. |
| | Lume Cube Power Grip XL Instruction Manual<br>Instruction manual for the Lume Cube Power Grip XL, detailing its features, specifications, operation, voltage settings, indicator lights, and warranty information for photographers and videographers. |

| | |
|---|---|
| | [Lumecube Studio Panel Quick Start Guide]<br>Quick start guide for the Lumecube Studio Panel, providing setup instructions, identification of remote and panel components, and FCC compliance information. |
|  | [Lumecube Ring Light Mini Setup and Operation Guide]<br>Comprehensive guide for the Lumecube Ring Light Mini, covering setup, controls, power options, and important warnings for optimal use. |
| | [Lume Cube PANEL PRO Instruction Manual - LED Panel Light Guide]<br>Comprehensive instruction manual for the Lume Cube PANEL PRO LED panel light. Learn about setup, features, modes, specifications, and app control for professional lighting. |

Documents - LUME CUBE – LC-V2-1

1. RF Exposure Requirements

1.1 General Information

Client Information

Applicant: Lume Cube, Inc.

Address of applicant: 2231 Rutherford Rd Suite 100, Carlsbad, California 92008, United States

Manufacturer: Victory Telecom(Huizhou)Ltd

Address of manufacturer: No. 101,Yinlian, Dongya Village, Ruhu Town, Huicheng District, Huizhou City, Guangdong Province ,516021, P. R. China

General Description of EUT:

Product Name: Bluetooth control camera light

Trade Name: Lume Cube

Model No.: LC-V2-1

Adding Mode(s): /

Rated Voltage: DC 3.7V

Power Adapter: /

FCC ID: 2A792-LC-V2-1

Equipment Type: Mobile device

Technical Characteristics of EUT:

Bluetooth:

Bluetooth Version: V4.0 (BLE mode)

Frequency Range: 2402-2480MHz

RF Output Power: -17.95dBm (Conducted)

Data Rate: 1Mbps

Modulation: GFSK

Quantity of Channels: 40

Channel Separation: 2MHz

Type of Antenna: PCB antenna

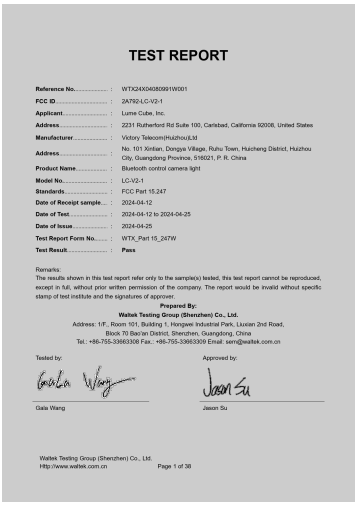
Antenna Gain: 2dBi

[pdf] SAR Rating

Lahm RF Exposure Info Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

1. RF Exposure Requirements 1.1 General Information Client Information Applicant: Address of appli ... s : Rated Voltage: Power Adapter: FCC ID: Equipment Type: Bluetooth control camera light Lume Cube **LC-V2-1** / DC 3.7V / 2A792-**LC-V2-1** Mobile device Technical Characteristics of EUT: Bluetooth Bluet...

lang:en score:30 filesize: 192.1 K page_count: 3 document date: 2024-05-25


TEST REPORT

Reference No.: WTX24X04080991W001

FCC ID: 2A792-LC-V2-1

Applicant: Lume Cube, Inc.

Address: 2231 Rutherford Rd Suite 100, Carlsbad, California 92008, United States

Manufacturer: Victory Telecom(Huizhou)Ltd

Address: No. 101 Xinlian, Dongya Village, Ruhu Town, Huicheng District, Huizhou City, Guangdong Province, 516021, P. R. China

Product Name: Bluetooth control camera light

Model No.: LC-V2-1

Standards: FCC Part 15.247

Date of Receipt sample: 2024-04-12

Date of Test: 2024-04-12 to 2024-04-25

Date of Issue: 2024-04-25

Test Report Form No.: WTX_Part15_247W

Test Result: Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Email: sem@waltek.com.cn

Tested by: Gala Wang

Approved by: Jason Su

Waltek Testing Group (Shenzhen) Co., Ltd.

http://www.waltek.com.cn

Page 1 of 38

[pdf] Test Report

ETSI 301 489 17 V1 Sem Test Report Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

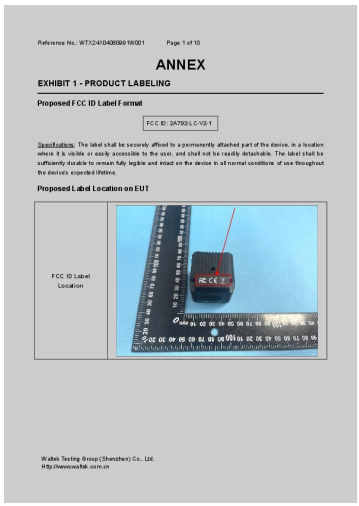
TEST REPORT Reference No..... : FCC ID..... : Appl ... Test Report Form No..... : Test Result..... : WTX24X04080991W001 2A792-**LC-V2-1** Lume Cube, Inc. 2231 Rutherford Rd Suite 100, Carlsbad, California 92008, United States Vict...

lang:en score:25 filesize: 2.61 M page_count: 38 document date: 2024-05-25

[Lume Cube LC-V2-1: Premium Lighting for Creators]

Explore the Lume Cube LC-V2-1, a versatile lighting solution designed for creators. Features include app control via Lume-X, a 1-year warranty, and detailed FCC compliance information.

lang:en score:23 filesize: 1.84 M page_count: 2 document date: 2024-05-22



Reference No.: WTX24X04080991W001 Page 1 of 10

ANNEX

EXHIBIT 1 - PRODUCT LABELING

Proposed FCC ID Label Format

FCC ID: 2A792-LC-V2-1

Specifications: The label shall be securely affixed to a permanently attached part of the device, in a location where it is visible or easily accessible to the user, and shall not be readily detachable. The label shall be sufficiently durable to remain fully legible and intact on the device in all normal conditions of use throughout the device's expected lifetime.

Proposed Label Location on EUT

FCC ID Label Location

Waltek Testing Group (Shenzhen) Co., Ltd.
Http://www.waltek.com.cn

[pdf] Label

ETSI 301 489 17 V1 Sem Label Location Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

Reference No.: WTX24X04080991W001 Page 1 of 10 ANNEX EXHIBIT 1 - PRODUCT LABELING Proposed FCC ID Label Format FCC ID: 2A792-**LC-V2-1** Specifications: The label shall be securely affixed to a permanently attached part of the device, in a location where it is visible or easily accessible to the us...

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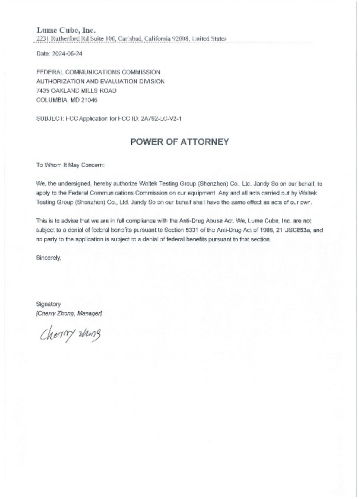

Lume Cube, Inc.
2221 Rutherford Rd Suite 106, Carlsbad, California 92008, United States

Date: 2024-05-24

FEDERAL COMMUNICATIONS COMMISSION
AUTHORIZATION AND EVALUATION DIVISION
7435 OAKLAND MILLS ROAD
COLUMBIA, MD 21046

SUBJECT: FCC Application for FCC ID: 2A792-LC-V2-1

POWER OF ATTORNEY

To Whom It May Concern:

We, the undersigned, hereby authorize Waltek Testing Group (Shenzhen) Co., Ltd. Jandy So on our behalf to apply to the Federal Communications Commission on our equipment. Any and all acts carried out by Waltek Testing Group (Shenzhen) Co., Ltd. Jandy So on our behalf shall have the same effect as acts of our own.

This is to advise that we are in full compliance with the Anti-Drug Abuse Act. We, Lume Cube, Inc. are not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 USC853a, and are party to the applications is subject to a denial of federal benefits pursuant to that section.

Sincerely,

Signatory
(Cherry Zhong, Manager)

[pdf]

POA Letter Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

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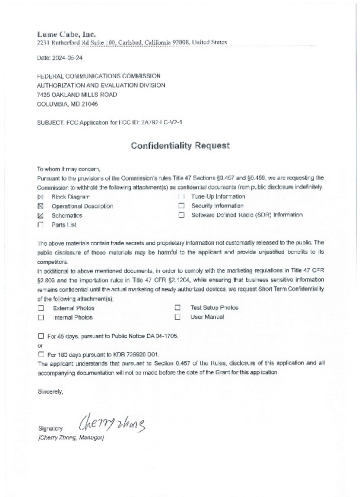
lang:i-klingon score:14 filesize: 282.25 K page_count: 1 document date: 2024-05-25



Lume Cube, Inc.
2221 Rutherford Rd Suite 106, Carlsbad, California 92008, United States

Date: 2024-05-24

FEDERAL COMMUNICATIONS COMMISSION
AUTHORIZATION AND EVALUATION DIVISION
7435 OAKLAND MILLS ROAD
COLUMBIA, MD 21046

SUBJECT: FCC Application for FCC ID: 2A792-LC-V2-1

Confidentiality Request

To whom it may concern,

Pursuant to the provisions of the Commission's rules Title 47 Sections §0.457 and §0.459, we are requesting the Commission to withhold the following attachment(s) as confidential documents from public disclosure indefinitely.

[x] Block Diagram
[x] Operational Description
[x] Schematics
[ ] Parts List
[ ] Tune-Up Information
[ ] Security Information
[ ] Software Defined Radio (SDR) Information

The above materials contain trade secrets and proprietary information not customarily released to the public. The public disclosure of these materials may be harmful to the applicant and provide unqualified benefits to its competitors.

In additional to above mentioned documents, in order to comply with the marketing regulations in Title 47 CFR §2.803 and the importation rules in Title 47 CFR §1.1204, while ensuring that business sensitive information remains confidential until the roll-out marketing of newly authorized devices, we request Short Term Confidentiality of the following attachment(s):

[ ] External Photos
[ ] Internal Photos
[ ] Test Setup Photos
[ ] User Manual

[ ] For 45 days, pursuant to Public Notice DA 04-1705.
or
[ ] For 180 days pursuant to KDB 726920 D01.

The applicant understands that, pursuant to Section 0.457 of the Rules, disclosure of this application and all accompanying documentation will not be made before the date of the Grant for this application.

Sincerely,

Signatory
(Cherry Zhong, Manager)

[pdf]

CONF Letter Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

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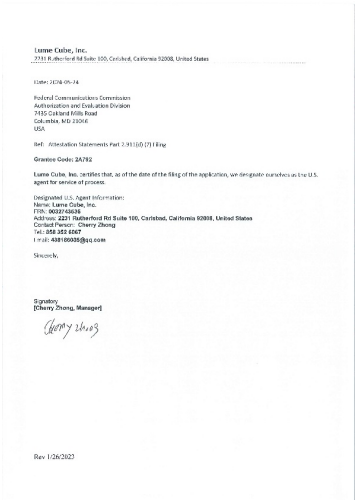

Lume Cube, Inc.
2231 Rutherford Rd Suite 100, Carlsbad, California 92008, United States

Date: 2024-05-24

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Ref: Attestation Statements Part 2.911(D)(7) Filing

Grantee Code: 2A792

Lume Cube, Inc. certifies that, as of the date of the filing of the application, we designate ourselves as the U.S. agent for service of process.

Designated U.S. Agent Information:
Name: Lume Cube, Inc.
FRN: 0032745638
Address: 2231 Rutherford Rd Suite 100, Carlsbad, California 92008, United States
Contact Person: Cherry Zhong
Tel: 858 355 6567
Email: 408100035@qq.com

Sincerely,

Signatory
[Cherry Zhong, Manager]

Cherry Zhong

Rev 1/26/2023

[pdf] Agent Authorization

US Agent Letter Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

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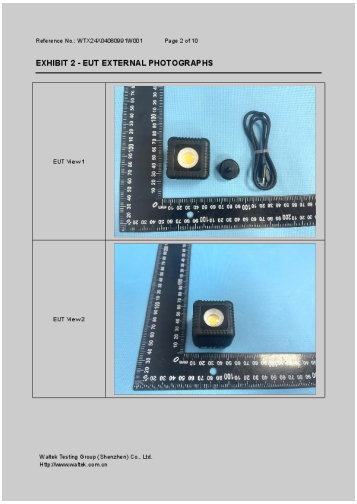

Reference No.: WTX24X04080991W001 Page 2 of 10

EXHIBIT 2 - EUT EXTERNAL PHOTOGRAPHS

| | |
|---|---|
| EUT View1 | |
| EUT View2 | |

Waltek Testing Group (Shenzhen) Co., Ltd.
Http://www.waltek.com.cn

[pdf] Product Photos

ETSI 301 489 17 V1 Sem External Photo Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

Reference No.: WTX24X04080991W001 Page 2 of 10 EXHIBIT 2 - EUT EXTERNAL PHOTOGRAPHS EUT View 1 EUT View 2 Waltek Testing Group Shenzhen Co., Ltd. Http://www.waltek.com.cn Reference No.: WTX24X04080991W001 Page 3 of 10 EUT View 3 EUT View 4 Waltek Testing Group Shenzhen Co., Ltd. Http:/...

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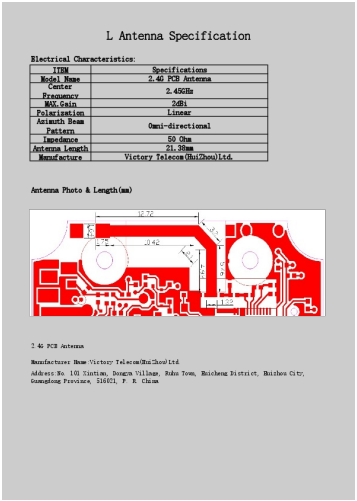

L Antenna Specification

Electrical Characteristics:

| ITEM | Specifications |
|---|---|
| Model Name | 2.4G PCB Antenna |
| Center Frequency | 2.45GHz |
| MAX.Gain | 2dBi |
| Polarization | Linear |
| Azimuth Beam Pattern | 0mni-directional |
| Impedance | 50 Ohm |
| Antenna Length | 21.38mm |
| Manufacture | Victory Telecom(HuiZhou)Ltd. |

Antenna Photo & Length(mm)



2.4G PCB Antenna

Manufacturer Name Victory Telecom(HuiZhou)Ltd.

Address:No. 101 Xintian, Dongxin Village, Buhu Town, Huicheng District, Huizhou City, Guangdong Province, 516021, P. R. China

[pdf] Specifications

2 4G PCB Antenna Specification xls 537 Spec Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

L Antenna Specification Electrical Characteristics: ITEM Model Name Center Frequency MAX.Gain Polarization Azimuth Beam Pattern Impedance Antenna Length Manufacture Specifications 2.4G PCB Antenna 2.45GHz 2dBi Linear 0mni-directional 50 Ohm 21.38mm Victory Telecom HuiZhou Ltd. Antenna Photo Le...

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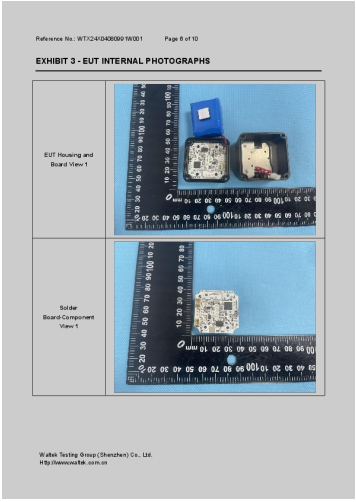


[pdf] Product Photos Teardown

ETSI 301 489 17 V1 Sem Internal Photo Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

Reference No.: WTX24X04080991W001 Page 6 of 10 EXHIBIT 3 - EUT INTERNAL PHOTOGRAPHS EUT Housing and Board View 1 Solder Board-Component View 1 Waltek Testing Group Shenzhen Co., Ltd. Http://www.waltek.com.cn Reference No.: WTX24X04080991W001 Page 7 of 10 Solder Board-Component View 2 BT A...

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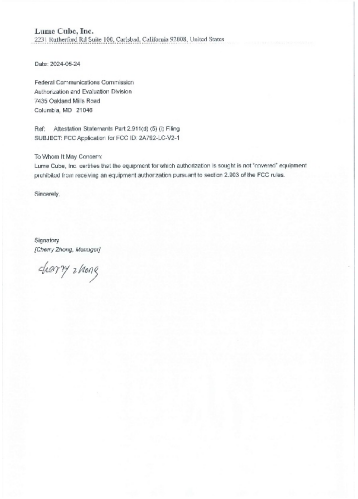


[pdf]

Attestation Statements Part 2 911 d 5 i Filing Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

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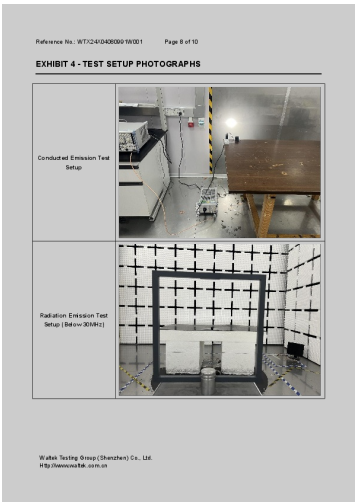


[pdf] Product Photos

ETSI 301 489 17 V1 Sem Test Setup Photo Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

Reference No.: WTX24X04080991W001 Page 8 of 10 EXHIBIT 4 - TEST SETUP PHOTOGRAPHS Conducted Emission Test Setup Radiation Emission Test Setup Below 30MHz Waltek Testing Group Shenzhen Co., Ltd. Http://www.waltek.com.cn Reference No.: WTX24X04080991W001 Page 9 of 10 Radiation Emission Tes...

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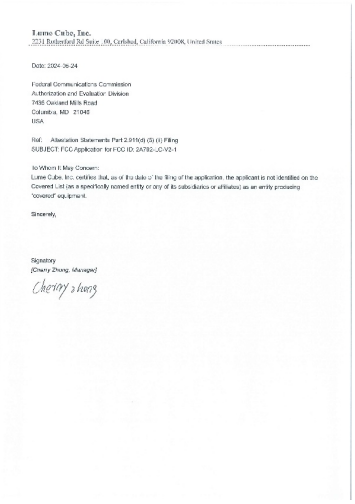

Lume Cube, Inc.
2221 Rutherford Rd Suite . 00, Carlsbad, California 92008, United States

Date: 2024-06-24

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Ref: Attestation Statements Part 2.911(d) (5) (ii) Filing
SUBJECT: FCC Application for FCC ID: 2A792-LC-V2-1

To Whom It May Concern:
Lume Cube, Inc. certifies that, as of the date of the filing of the application, the applicant is not identified on the Covered List (as a specifically named entity or any of its subsidiaries or affiliates) as an entity producing "covered" equipment.

Sincerely,

Signatory
[Cherry Zhang, Manager]

Cherry Zhang

[pdf]

Attestation Statements Part 2 911 d 5 ii Filing Lume Cube Inc LC V2 1 Bluetooth control camera light 2A792 2A792LCV21 lc v2

...

lang:nl score:13 filesize: 236.7 K page_count: 1 document date: 2024-05-25