RF EXPOSURE REPORT

Applicant	Qingdao Yeelink Information Technology Co., Ltd.
Address	F10-B4, Bldg.B, International Innovation Park, 1# Keyuanweiyi Rd., Laoshan, Qingdao, Shandong, P.R.China.

Manufacturer or Supplier	Qingdao Yeelink Information Technology Co., Ltd.
Address	F10-B4, Bldg.B, International Innovation Park, 1# Keyuanweiyi Rd., Laoshan, Qingdao, Shandong, P.R.China.
Product	Smart LED Bulb M2 (Multicolor)
Brand Name	YEELIGHT
Model	YLDP001-A
Additional Model & Model Difference	N/A
Date of tests	Sep. 07, 2020 ~ Sep. 19, 2020

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Oct. 21, 2020

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2008WDG0332	Original release	Oct. 21, 2020

1. CERTIFICATION

FCC ID:	2ABEU-YLDP001-A
PRODUCT:	Smart LED Bulb M2 (Multicolor)
BRAND NAME:	YEELIGHT
MODEL NO.:	YLDP001-A
ADDITIONAL NO.:	N/A
APPLICANT:	Qingdao Yeelink Information Technology Co., Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

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

3. MPE CALCULATION FORMULA

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

where

Pd = power density in mW/cm^2

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

4. 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**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2.0	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT-LE	2402-2480	5	+-1	4	6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE	2480	5.62

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	6	2.0	20	0.001255	1.0

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