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RF Exposure Evaluation Declaration

Report No.: S20201228825405
Report Version: V01
Issue Date: 03-25-2021

Applicant: Wyze Labs, Inc.
Address: 5808 Lake Washington Blvd NE Ste 300 Kirkland WA
98033
FCC ID: 2AUIUWYZEP
Application Type: Certification
Product: Wyze PARB Bulb
Model No.: WYZEPB4025
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (15.247)
Test Procedure(s): ANSI C63.10-2013, KDB 558074 D01v05r02
Test Date: January 05~January 12, 2021

Reviewed By _____
(Amos Xia)
Senior Test Engineer

Approved By _____
(Kerry Zhou)
Engineer Manager

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

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Revision History

| Report No. | Version | Description | Issue Date |
|-----------------|---------|-------------|------------|
| S20201228825405 | Rev. 01 | / | 03-26-2021 |
| | | | |

1. PRODUCT INFORMATION

1.1. Equipment Description

| | |
|----------------------|---|
| Product Name: | Wyze PARB Bulb |
| Model Name: | WYZEPB4025 |
| Additional Model: | WYZEBRB40\WYZEBRB27\WYZEBRB30\WYZEBRB35\WYZEBRB50\WYZE EBRB65\WYZEPB4020\WYZEPB4030\WYZEPB4040\WYZEPB4050\WYZE PB4060\WYZEPB2720\WYZEPB2725\WYZEPB2730\WYZEPB2740\WYZE PB2750\WYZEPB2760\WYZEPB3020\WYZEPB3025\WYZEPB3030\WYZE PB3040\WYZEPB3050\WYZEPB3060\WYZEPB3520\WYZEPB3525\WYZE PB3530\WYZEPB3540\WYZEPB3550\WYZEPB3560\WYZEPB5020\WYZE PB5025\WYZEPB5030\WYZEPB5040\WYZEPB5050\WYZEPB5060\WYZE PB6520\WYZEPB6525\WYZEPB6530\WYZEPB6540\WYZEPB6550\WYZE PB6560 |
| Input Voltage Range: | AC 120V/60Hz,9W |
| Bluetooth Version: | 5.0(1Mbps) |
| Antenna Type: | PCB Antenna |
| Antenna Gain: | 1.5dBi |

2. RF Exposure Evaluation

2.1. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

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) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| (A) Limits for Occupational/ Control Exposures | | | | |
| 300-1500 | -- | -- | f/300 | 6 |
| 1500-100,000 | -- | -- | 5 | 6 |
| (B) Limits for General Population/ Uncontrolled Exposures | | | | |
| 300-1500 | -- | -- | f/1500 | 6 |
| 1500-100,000 | -- | -- | 1 | 30 |

f= Frequency in MHz

Calculation Formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

r = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.2. Test Result of RF Exposure Evaluation

| | |
|-----------|------------------------|
| Product | WYZE PARB BULB |
| Test Item | RF Exposure Evaluation |

| Test Mode | Frequency Band (MHz) | Maximum PK Output Power (dBm) | Power Density at R = 20 cm (mW/cm ²) | Limit (mW/cm ²) |
|-----------|----------------------|-------------------------------|--|-----------------------------|
| BLE | 2402 ~ 2480 | 3.35 | 0.00065 | 1 |

Note: /

CONCLUSION:

The Max Power Density at R (20 cm) = 0.00065mW/cm² < 1mW/cm².

So the EUT complies with the requirement.

_____ The End _____