Product Name: Remote Control Bulb	**Report No: FCC022022-1002MPE**
Product Model: YL-QP-APP-01	**Security Classification: Open**
Version: V1.0	**Total Page: 5**

TIRT Testing Report

Prepared By:	**Checked By:**	**Approved By:**	
Stone Tang	Randy Lv	Daniel Chen	
			

FCC RF EXPOSURE REPORT

FCC ID: 2AZRW-YLLEDQAP

Equipment	:	Remote Control Bulb
Model Number	:	YL-QP-APP-01
Trade Mark	:	/
Product No.	:	20220310003198
Applicant	:	Dong Guan Ya Li Electric Appliance Co., Ltd.
Address	:	THE FIVE STREET JINQIANLING JITIGANG HUANGJIANG TOWN,DONGGUAN CITY, GUANGDONG 523000 CHINA
Manufacturer	:	Dong Guan Ya Li Electric Appliance Co., Ltd.
Address	:	THE FIVE STREET JINQIANLING JITIGANG HUANGJIANG TOWN,DONGGUAN CITY, GUANGDONG 523000 CHINA
Factory	:	Dong Guan Ya Li Electric Appliance Co., Ltd.
Address	:	THE FIVE STREET JINQIANLING JITIGANG HUANGJIANG TOWN,DONGGUAN CITY, GUANGDONG 523000 CHINA
Date of Receipt	:	2022.03.09
Date of Test	:	2022.03.09-2022.04.29
Test Sample	:	Final Sample
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

- The above equipment has been tested and found compliance with the requirement of the relative standards by TIRT Inc.
- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc., the test report shall not be reproduced except in full.

Lab: Beijing TIRT Technology Service Co.,Ltd Shenzhen

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History of this test report

Original Report Issue Date: 2022.05.25

● No additional attachment

○ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Table for Filed Antenna

Both 2.4G WiFi and BLE

Ant.	Brand	Model Name	Antenna Type	Connector	Gain（dBi）
1	N/A	N/A	PCB	N/A	1.9

2. TEST RESULTS

For 2.4G WiFi:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.9	1.5488	19.39	86.8960	0.02679	1	Complies

For BLE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.9	1.5488	6.16	4.1305	0.00127	1	Complies

For the max simultaneous transmission MPE:

2.4G WiFi + BLE

Power Density (S) (mW/cm^2)	Power Density (S) (mW/cm^2)	Total	Limit of Power Density (S) (mW/cm^2)	Test Result
2.4G WiFi	BLE			
0.02679	0.00127	0.02806	1	Complies

Note: The calculated distance is 20 cm.
Output power including tune up tolerance.

（END OF REPORT）