

Applicant Name: ZHEJIANG KLITE LIGHTING HOLDINGS CO.,LTD

Applicant Address: No.11 Zhenjiang Road,Jianshan New District, Haining City Zhejiang Province, China

Test item: BULB LAMP

Model / Type Reference: C37-2 WIFI+BLE DIM+CCT 4.9W E12 X-Y,C37-2 WIFI+BLE DIM+CCT+RGB 4.9W E12 X-Y,LV-5.3WB10-E12-ZF,AN-CF35-2XD 4.5W 120V E12 Y,JTX-J26XH441T-ZF,AN-G250-1XD W 120V Y

FCC ID: 2BM28-C37-2

Date of Issue: 2026-06-30

Testing Laboratory: LCTECH Guangdong Testing Services Co., Ltd.
2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China

Test Specification: KDB 447498 D01 General RF Exposure Guidance v06

Test Result: Passed

Compiled by:

Reviewed by:

2026-06-30Rex He

Rex He

2026-06-30Alan Tian

Alan Tian

Date Name Signature

Date Name Signature

Remark:

N/A

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This report must not be used by the client to claim product certification,approval, or endorsement by NVLAP,NIST, or any agency of the Federal Government.

RF Exposure Evaluation

Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) 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

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

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 did the limit of MPE, 1 mW/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 where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data b in

Bluetooth and wireless functions individually.

TestResult of RFExposureEvaluation

BLEmode

Channel	Outputpower toantenna(dBm)	Outputpower toantenna(mW)	PowerDensity atR=20cm (mW/cm2)	Limit (mW/cm2)	Result
2402MHz	8.454	7.005	0.0002	1.0	PASS

802.11b

Channel	Outputpower toantenna(dBm)	Outputpower toantenna(mW)	PowerDensity atR=20cm (mW/cm2)	Limit (mW/cm2)	Result
2412MHz	12.3	16.982	0.0005	1.0	PASS

The RF function of the product can only be used in one mode at a time, so there is no need for co-assessment.

Remark: antenna gain=-8dBi

The max power density is less than MPE exempt limit, so it is compliance.