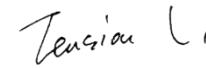


Applicant Name:	Foshan Nanhai Aijia Optoelectronic Technology Co., Ltd				
Applicant Address:	6th Floor, No. 8, Najin Road, Hardware Industrial Zone, Danzao Town, Nanhai District, Foshan City, Guangdong				
Test item:	LED Down Light				
Model / Type Reference:	AJ-SL04BL-WH, AJ-SL06BL-WH				
FCC ID:	2BRQQ-AJ-SL-06BL-WH				
Date of Issue:	2025-08-21				
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:				
2025-08-21	Rex He		2025-08-21	Tension Li	
<i>Date</i>	<i>Name</i>	<i>Signature</i>	<i>Date</i>	<i>Name</i>	<i>Signature</i>

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

Where

Pd = power density in mW/cm², **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

Pd 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 where the MPE limit is reached.

Test Procedure

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

Bluetooth and wireless functions individually.

Test Result of RF Exposure Evaluation

BLE mode

Channel	Output power to antenna(dBm)	Output power to antenna(mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
2402MHz	8.490	7.06	0.0015	1.0	PASS

Remark: antenna gain=1.09dBi

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