
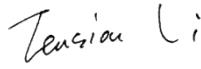


<b>Applicant Name:</b>	Foshan Nanhai Aijia Optoelectronic Technology Co., Ltd						
<b>Applicant Address:</b>	6th Floor, No. 8, Najin Road, Hardware Industrial Zone, Danzao Town, Nanhai District, Foshan City, Guangdong						
<b>Test item:</b>	LED Down Light						
<b>Model / Type Reference:</b>	AJ-SL04BL-WH, AJ-SL06BL-WH						
<b>FCC ID:</b>	2BRQQ-AJ-SL-06BL-WH						
<b>Date of Issue:</b>	2025-08-21						
<b>Testing Laboratory:</b>	LCTECH Guangdong Testing Services Co., Ltd. 2/F., Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China						
<b>Test Specification:</b>	KDB 447498 D01 General RF Exposure Guidance v06						
<b>Test Result:</b>	Passed						
<b>Compiled by:</b>				<b>Reviewed by:</b>			
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 <sup>2</sup> )	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 <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B)Limits for GeneralPopulation/UncontrolledExposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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:  $Pd = (P_{out} * G) / (4 * \pi * r^2)$

Where

**Pd** =power density in mW/cm<sup>2</sup>, **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/cm<sup>2</sup>. 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.

---

## 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/cm2)	Limit (mW/cm2)	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.