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	Rex He	2025-08-21	Tension Li	Tension Li
Date	*Name*	*Signature*	*Date*	*Name*	*Signature*

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 GeneralPopulation/UncontrolledExposure				
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:**Pd = (Pout*G)/(4*pi*r^2)**

Where

Pd =power density in mW/cm^2,**Pout**= output power to antenna in mW;

G = gain of antennainlinear scale,**Pi**=3.1416;

R = distance between observationpoint andcenter of theradiatorincm

Pdid the limit of MPE,1mW/cm^2.If weknow themaximum gain of the antennaandthetotalpowerinputtothe antenna, through the calculation, we willknow the distancer where theMPE limitisreached.

Test Procedure

Softwareprovidedby client enabled theEUT to transmit andreceive data b in

Bluetooth and wireless functions dividually.

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.