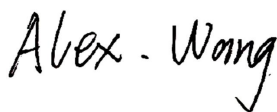


TEST REPORT

Application No.: BTEK250606005AE
Applicant: Shenzhen Baishi Internet Technology Co. , Ltd.
Address of Applicant: Floor 5, Building 1, Baichuanda Industrial Park, No. 102, Longlan Avenue, Dalang Street, Longhua District, Shenzhen, Guangdong China
Manufacturer: Shenzhen Baishi Internet Technology Co. , Ltd.
Address of Manufacturer: Floor 5, Building 1, Baichuanda Industrial Park, No. 102, Longlan Avenue, Dalang Street, Longhua District, Shenzhen, Guangdong China
Equipment Under Test (EUT):
EUT Name: Smart Projector
Test Model.: H5
Adding Model(s): /
Trade Mark: /
FCC ID: 2BADK-H5
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1091
447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s): 2025-06-09
Date of Test: 2025-06-10 to 2025-06-25
Date of Issue: 2025-06-26

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Alex Wang/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2025-06-26	Initial	Valid

Authorized for issue by:			
			
		Karl Liu / File Editor	
			
		June Li/Reviewer	

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



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3 General Information

3.1 Details of E.U.T.

Power supply:	AC 100-240V 50/60Hz 2.0A MAX	
BLE		
Frequency Range:	2402MHz to 2480MHz	
Bluetooth Version:	V5.4 BLE	
Modulation Type:	GFSK	
Number of Channels:	40	
Antenna Type:	FPC Antenna	
Antenna Gain:	3.12dBi	
BT		
Frequency Range:	2402MHz to 2480MHz	
Bluetooth Version:	V5.4	
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK	
Number of Channels:	79	
Channel Spacing:	1MHz	
Antenna Type:	FPC Antenna	
Antenna Gain:	3.12dBi	
2.4G WIFI		
Support Standards:	802.11b, 802.11g, 802.11n-HT20,802.11n-HT40,802.11ax(HE20), 802.11ax(HE40)	
Frequency Range:	2412-2462MHz for 802.11b/g/n/ax(HT20/HE20) 2422-2452MHz for 802.11n/ax(HT40/HE40)	
Type of Modulation:	802.11b: DSSS; 802.11g/n: OFDM	
Quantity of Channels	802.11b: DSSS; 802.11g/n/ax: OFDM	
Channel Separation:	5MHz	
Type of Antenna:	FPC Antenna	
Antenna Gain:	3.12dBi	
5G WIFI		
Support Standards:	802.11a, 802.11n(HT20) ,802.11n-HT40, 802.11ac-VHT20, 802.11ax-HE20,802.11ac-VHT40,802.11ax-HE40	
Operation Frequency	U-NII-1:5180-5240MHz U-NII-3: 5745-5825MHz	
Modulation Type:	OFDM	
Channel Spacing:	802.11a/n(HT20)/ac(VHT20)/802.11ax(HE20): 20MHz 802.11n(HT40)/ac(VHT40)/802.11ax(HE40): 40MHz	
DFS Function:	Slave	
TPC Function:	No Support TPC function	
Antenna Type:	FPC Antenna	
Antenna Gain:	U-NII-1:2.88dBi	U-NII-3:3.26dBi
Model(s) Difference Statement	☒ Single Model.	
	☐ Multi-Models:	
Sample No.:	BTEK250606005AE-1-1/1	



3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
/	/	/	/

3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103

Tel:0755-2334 4200

Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

According to §1.1307(b)(1) and KDB 447498 D01 General RF Exposure Guidance v06, system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

Limits for Maximum Permissible Exposure (MPE)

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: $Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$

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, 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 r where the MPE limit is reached.

4.1 Assessment Result

☒ Passed ☐ Not Applicable

Frequency (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
2440	BLE-2M	8.78	9	0.0032	1.0000	Pass
2441	BT-3DH5	8.81	9	0.0032	1.0000	Pass
2412	2.4G WIFI-802.11b	16.72	17	0.0205	1.0000	Pass
5240	5.2G WIFI-802.11a	13.99	14	0.0097	1.0000	Pass
5785	5.8G WIFI-802.11a	8.18	8.5	0.0030	1.0000	Pass

Note: 1. The exposure evaluation safety distance is 20cm.

2. Only show the worst case in the test report.

- End of the Report -

