

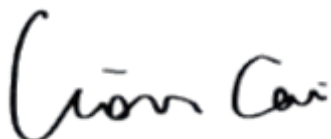
TEST REPORT

Application No.: BTEK241210052A01-T05
Applicant: Shenzhen Guangwei Intelligent Electronics Co., Ltd.
Address of Applicant: Room402,Bldg 6,Tangxi Second Industrial Zone B, Xixiang Street,Bao'an District,Shenzhen,China.
Manufacturer: Shenzhen Guangwei Intelligent Electronics Co., Ltd.
Address of Manufacturer: Room402,Bldg 6,Tangxi Second Industrial Zone B, Xixiang Street,Bao'an District,Shenzhen,China.

Equipment Under Test (EUT):
EUT Name: Lavalier Microphone
Test Model.: Ks08
Adding Model(s): /
Trade Mark: /
FCC ID: 2BN9D-KS08
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s): 2025-03-18
Date of Test: 2025-03-19 to 2025-04-07
Date of Issue: 2025-04-08

Test Result:**Pass***

* In the configuration tested, the EUT complied with the standards specified above.



Lion Cai/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2025-04-08	Initial	Valid

Authorized for issue by:			
		 <hr/> Karl Liu / File Editor	
		 <hr/> 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:	Type-C Input: 5V=1A Battery: 3.7V=800mAh
BLE	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.2 BLE
Modulation Type:	GFSK
Channel Spacing:	2MHz
Data Rate:	1Mbps/2Mbps/125 kbps/500 kbps
Number of Channels:	40
Antenna Type:	Chip Antenna
Antenna Gain:	3.28dBi
BT	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.2 classic
Modulation Type:	GFSK, $\pi/4$ DQPSK,8DPSK
Number of Channels:	79
Channel Spacing:	1MHz
Antenna Type:	Chip Antenna
Antenna Gain:	3.28 dBi
Sample No.:	BTEK241210052A01-1-1/5
Model(s) Difference Statement	<input checked="" type="checkbox"/> Single Model. <input type="checkbox"/> Multi-Models:

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

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(b)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1 Assessment Result

Passed Not Applicable

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BLE	2480	-3.17	-3.0	0.16	3.0	Pass
BT Classic	2480	0.22	0.5	0.35	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

