

TEST REPORT

Application No.: BTEK240124001AE
Applicant: SHENZHEN YAZHOULONG ELECTRONIC TECHNOLOGICAL CO., LTD
Address of Applicant: 7/B and 13/B Floor, Fuhua Industry, Nanbo Road, Tangwei District, Fuhai, Baoan, Shenzhen, China
Manufacturer: SHENZHEN YAZHOULONG ELECTRONIC TECHNOLOGICAL CO., LTD
Address of Manufacturer: 7/B and 13/B Floor, Fuhua Industry, Nanbo Road, Tangwei District, Fuhai, Baoan, Shenzhen, China
Factory: SHENZHEN YAZHOULONG ELECTRONIC TECHNOLOGICAL CO., LTD
Address of Factory: 7/B and 13/B Floor, Fuhua Industry, Nanbo Road, Tangwei District, Fuhai, Baoan, Shenzhen, China

Equipment Under Test (EUT):

EUT Name: Bluetooth speaker
Model No.: BT-126, S26, BF-120, BT-140, BT-105, BS-156, BS-158, S25, S27, S40, BS-167, BS-169, BS-170, BS-171, BS-172, BS-180, BS-181, BT-130
Please refer to section 3 of this report which indicates which model was actually tested and which were electrically identical.

Trade Mark: N/A
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2024-01-24
Date of Test: 2024-01-24 to 2024-01-30
Date of Issue: 2024-01-30

Test Result:	Pass*
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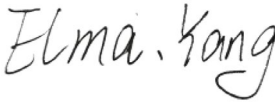

* In the configuration tested, the EUT complied with the standards specified above.



Damon Su
EMC Laboratory Manager



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-01-30		Original

Authorized for issue by			
			
	<hr/>		
	Elma Yang/Project Engineer		
			
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	Carl Yang/Reviewer		



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General Information

3.1 Details of E.U.T.

Power supply:	DC 5V 0.5A 3W
Cable(s):	/
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.0
BT Classic	
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Hopping Channel Type:	Adaptive Frequency Hopping systems
Modulation Type:	GFSK, $\pi/4$ DQPSK
Number of Channels:	79
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58 dBi
Sample No.:	BTEK240124001AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

Model No.: BT-126, S26, BF-120, BT-140, BT-105, BS-156, BS-158, S25, S27, S40, BS-167, BS-169, BS-170, BS-171, BS-172, BS-180, BS-181, BT-130, BT-131

Only the model BT-126 was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, with only difference on Model No.

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(a)

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

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
BT Classic	2441	0.88	1	0.39	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

