



TEST REPORT

Application No.: BTEK231102001AE
Applicant: Shenzhen FLS Electronic Co., LTD
Address of Applicant: 4/F, Building 3, Xinxueziwei Industrial Area Shajing, Bao'an District, Shenzhen city Guangdong Province, China
Manufacturer: Shenzhen FLS Electronic Co., LTD
Address of Manufacturer: 4/F, Building 3, Xinxueziwei Industrial Area Shajing, Bao'an District, Shenzhen city Guangdong Province, China
Factory: Shenzhen FLS Electronic Co., LTD
Address of Factory: 4/F, Building 3, Xinxueziwei Industrial Area Shajing, Bao'an District, Shenzhen city Guangdong Province, China
Equipment Under Test (EUT):
EUT Name: Bluetooth Speaker
Model No.: LFS-Bass
Trade Mark: LFS
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-11-02
Date of Test: 2023-11-03 to 2023-11-16
Date of Issue: 2023-11-16

Test Result:	Pass*
---------------------	--------------

* 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		2023-11-16		Original

Authorized for issue by			
			
		Carl Yang /Project Engineer	
			
		David Zhuang/Reviewer	



2 Contents

	Page
1 Cover Page	1
2 Contents	3
3 General Information.....	4
3.1 Details of E.U.T.	4
3.2 Description of Support Units	4
3.3 Test Location.....	5
3.4 Deviation from Standards.....	5
3.5 Abnormalities from Standard Conditions	5
4 Test Requirement	6
4.1Assessment Result.....	6



3 General Information

3.1 Details of E.U.T.

Power supply:	DC 3.7V by rechargeable lithium-ion battery(500mAh) and recharged by USB port.
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, 8DPSK
Number of Channels:	79
Sample Type:	Portable device
Antenna Type:	Chip Antenna
Antenna Gain:	1.9dBi
Hardware Version	LFS-TG-6965E--V1.0
Software and Firmware Version	V2.6.3
Sample No.:	BTEK231102001AE-01
BLE	
Modulation Type:	GFSK
Data Rate:	1Mbps, 2Mbps
Number of Channels:	40
Channel Spacing:	2MHz
Antenna Type:	PCB Antenna
Antenna Gain:	1.9dBi
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.	

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 Gangtou 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	-0.25	0	0.312	3.0	Pass
BLE	2440	-1.55	-1	0.248	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

