FCC TEST REPORT

FCC ID: 2A5EQ-2508SPK1

Product	:	Sound Bar
Model Name	:	GS821
Brand	:	N/A
Report No.	:	PTC25071015401E-FC02

Prepared for

LTC Networking Limited

FLAT/RM 1205, 12/F Tai Sang Bank Building 130-132 DES Voeux Road Central HongKong

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.

TEST RESULT CERTIFICATION

Applicant's name	:	LTC Networking Limited
Address	:	FLAT/RM 1205, 12/F Tai Sang Bank Building 130-132 DES Voeux Road Central HongKong
Manufacture's name	:	Mybestsound., Co Ltd
Address	:	Room 401, No. 10, Wutai Road, Shutian, Humen Town, Dongguan City, Guangdong Province, China
Product name	:	Sound Bar
Model name	:	GS821
Test procedure	:	FCC CFR47 Part 1.1307(b)(1)
Test Date	:	Aug. 08, 2025 to Aug. 14, 2025
Date of Issue	:	Aug. 14, 2025
Test Result	:	PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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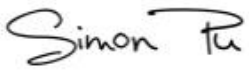
Test Engineer:

Jack zhou / Engineer

Technical Manager:



Simon Pu / Manager

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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Sound Bar
Model Name	:	GS821
Specification	:	Bluetooth BDR+EDR
Operation Frequency	:	2402-2480MHz for BT
Number of Channel	:	79 channels for BDR+EDR
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS
Antenna installation	:	PCB antenna
Antenna Gain	:	1.7 dBi
Power supply	:	Adapter: Z24AW150160US00 Input: AC100-240V 50/60Hz 0.8A Max Output: DC 15.0V ⎓1.6A 24W
Hardware Version	:	BJ-SE04C-01_AB07
Software Version	:	YP_SE09 LITE_9BFB1F45_C47973A4_20250429_SE09 LITE_音量调节和手机同步_V01.upd

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$ θφ

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Mode	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2480	1.48	5.92	5.92±1	4.920395	0.001448	1	Pass

Conclusion:

1.Calculate in the worst-case mode.

2.Max. Tune Up Power is declared by manufacturer, and used to calculate.

******THE END REPORT******