

Report No.: GZCR210402021202  
Page: 1 of 9  
FCC ID: 2ARRB-H725

## RF Exposure Evaluation Report

**Application No.:** GZCR2104020212AT  
**Applicant:** Meizhou Guo Wei Electronics Co., Ltd.  
**Address of Applicant:** AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.  
**Manufacturer:** Meizhou Guo Wei Electronics Co., Ltd.  
**Address of Manufacturer:** AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.  
**Factory:** Minami Acoustics Limited  
**Address of Factory:** Shangou Industrial Park GongJiang Town, Yudu County Ganzhou City Jiangxi 342300 China  
**Equipment Under Test (EUT):**  
**EUT Name:** Bluetooth Wireless Headset  
**Model No.:** H725-S  
**Trade Mark:** Motorola  
**Standard(s) :** 47 CFR Part 1.1307  
47 CFR Part 1.1310  
KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2019-03-18  
**Date of Test:** 2019-03-22 to 2019-03-26  
**Date of Issue:** 2021-06-30

<b>Test Result:</b>	Pass*
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\* In the configuration tested, the EUT complied with the standards specified above.



Kobe Jian  
EMC Laboratory Manager



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Report No.: GZCR210402021202

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-06-30		Original

Authorized for issue by:			
Tested By	 Lily Kuang /Project Engineer		2019-03-22 to 2019-03-26
Checked By	 Jerry Chan /Reviewer		2021-06-30
			Date

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## 2 Test Summary

<b>Radio Spectrum Technical Requirement</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
RF Exposure	47 CFR Part 1.1307	KDB447498D01 General RF Exposure Guidance v06	47 CFR Part 1.1310	Pass

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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## 4 General Information

### 4.1 Details of E.U.T.

Power Supply:	DC 3.7 V powered by built-in battery as below:
Model:	501235
Rated:	DC 3.7 V, 160 mAh, 0.59 Wh
DC 5 V for charging	
Cable:	DC input ports with unshielded cables (200 mm)
Function:	Bluetooth Wireless Headset with BT classic
Software	ASTTestTool
Antenna Gain	1.5 dBi
Antenna Type	Chip Antenna
Channel Spacing	1MHz
Modulation Type	GFSK, π/4DQPSK, 8DPSK
Number of Channels	79
Operation Frequency	2402MHz to 2480MHz
Spectrum Spread Technology	Frequency Hopping Spread Spectrum(FHSS)
Software:	SV01
Hardware:	2018-1020
S/N	M1
Power Setting:	4 dBm can not be changed by user

### 4.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

Tel: +86 20 82155555      Fax: +86 20 82075059

No tests were sub-contracted.

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#### **4.3 Test Facility**

The test facility is recognized, certified, or accredited by the following organizations:

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian C-Tick mark.

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

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#### 4.4 Deviation from Standards

None

#### 4.5 Abnormalities from Standard Conditions

None



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## 5 Radio Spectrum Technical Requirement

### 5.1 RF Exposure

#### 5.1.1 Test Requirement:

CFR 47 Part 2.1093

Limit:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 is applied to determine SAR test exclusion

#### 5.1.2 Conclusion

The Max Conducted Peak Output Power is 4.24 dBm on the lowest channel 2.402 GHz  
4.24 dBm logarithmic terms convert to numeric result is nearly 2.65 mW

According to the formula. calculate the test exclusion thresholds:

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

General RF Exposure =  $(2.65 \text{ mW} / 5 \text{ mm}) \times \sqrt{2.402 \text{ GHz}} = 0.823$  (1)

SAR requirement:

$S = 3.0$  (2)

$(1) < (2)$

So the SAR report is not required.

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## 6 Photographs

### 6.1 EUT Constructional Details

Please refer to Appendix\_ Photographs of EUT Constructional Details for GZCR2104020212AT.

--End of Report--



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