



Report No.: TW2112397E File reference No.: 2022-01-13

Applicant: Shenzhen Glory Star Technology Industrial Co., Ltd.

Product: Smart Audio Glasses

Model No.: SG12, 2RBSK1512B0BL

Trademark: Glory Star

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: January 13, 2022

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number: 5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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Test Report Conclusion

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The report refers only to the sample tested and does not apply to the bulk.

10.0

11.0

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FCC ID Label....

Photo of Test Setup and EUT View....

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Glory Star Technology Industrial Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China

Telephone: +86-755-86397260 Fax: +86-755-26609516

1.3 Description of EUT

Product: Smart Audio Glasses

Manufacturer: Shenzhen Glory Star Technology Industrial Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: Glory Star

Additional Trademark: N/A Model Number: SG12

Additional Model Name 2RBSK1512B0BL
Hardware Version: LX433 AC6963D4 V1.1
Software Version: ac696n earphone G version

Rating: Input: DC5V, 0.5A

Battery: DC3.7V, 120mAh Li-ion battery

Modulation Type: GFSK, π /4D-QPSK

Operation Frequency: 2402-2480MHz

Channel Separate: 1MHz Channel Number: 79

Antenna Designation PCB Antenna with gain -0.58dBi maximum (Declared by the Manufacturer)

1.4 Submitted Sample: 2 pcs

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1.5 Test Duration

2021-12-29 to 2022-01-13

1.6 Test Uncertainty

Conducted Emissions Uncertainty = 3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty = 6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Conducted Emissions Uncertainty = 3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Terry Tang

The sample tested by

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

2.2 Automation Test Software

For Conducted Emission Test

Name	Version			
EZ-EMC	Ver.EMC-CON 3A1.1			

For Radiated Emissions

Name	Version		
EMI Test Software BL410-EV18.91	V18.905		
EMI Test Software BL410-EV18.806 High Frequency	V18.06		

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3.0 Technical Details

3.1 Summary of test results

The E	UT has	been	tested	accord	ling to	o the	following	specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

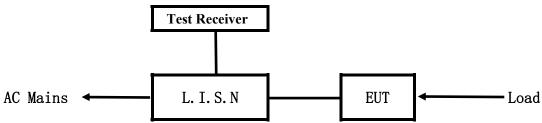
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

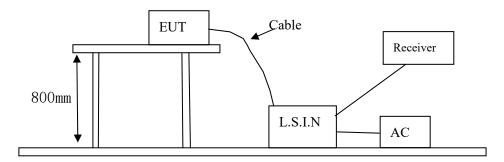


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Smart Audio Glass	Glory Star Technolog Industrial Co., Ltd.	SG12, 2RBSK1512B0BL	2AS7V-SG12

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 1A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)				
(MHz)	Quasi-peak Level	Average Level			
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*			
$0.50 \sim 5.00$	56.0	46.0			
5.00 ~ 30.00	60.0	50.0			

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Pass

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

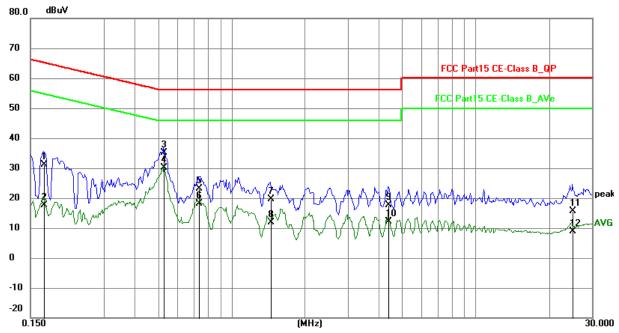
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1695	21.38	9.77	31.15	64.98	-33.83	QP	Р
2	0.1695	7.93	9.77	17.70	54.98	-37.28	AVG	Р
3	0.5283	25.28	9.77	35.05	56.00	-20.95	QP	Р
4	0.5283	20.38	9.77	30.15	46.00	-15.85	AVG	Р
5	0.7350	13.28	9.78	23.06	56.00	-32.94	QP	Р
6	0.7350	8.41	9.78	18.19	46.00	-27.81	AVG	Р
7	1.4409	9.82	9.79	19.61	56.00	-36.39	QP	Р
8	1.4409	2.10	9.79	11.89	46.00	-34.11	AVG	Р
9	4.4040	7.72	9.90	17.62	56.00	-38.38	QP	Р
10	4.4040	2.20	9.90	12.10	46.00	-33.90	AVG	Р
11	24.9297	4.67	10.99	15.66	60.00	-44.34	QP	Р
12	24.9297	-2.17	10.99	8.82	50.00	-41.18	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

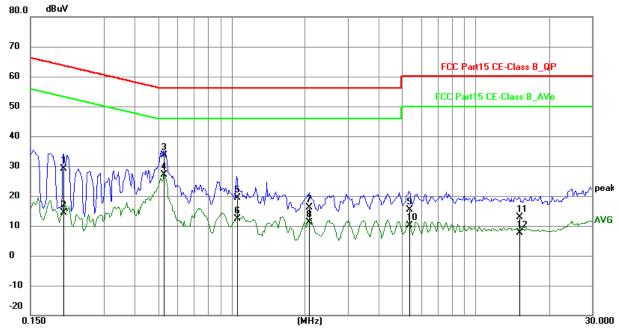
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2046	19.45	9.75	29.20	63.42	-34.22	QP	Р
2	0.2046	4.53	9.75	14.28	53.42	-39.14	AVG	Р
3	0.5283	23.88	9.77	33.65	56.00	-22.35	QP	Р
4	0.5283	17.32	9.77	27.09	46.00	-18.91	AVG	Р
5	1.0509	9.47	9.79	19.26	56.00	-36.74	QP	Р
6	1.0509	2.60	9.79	12.39	46.00	-33.61	AVG	Р
7	2.0844	6.28	9.80	16.08	56.00	-39.92	QP	Р
8	2.0844	1.28	9.80	11.08	46.00	-34.92	AVG	Р
9	5.3439	5.46	9.94	15.40	60.00	-44.60	QP	Р
10	5.3439	0.09	9.94	10.03	50.00	-39.97	AVG	Р
11	15.1095	2.44	10.39	12.83	60.00	-47.17	QP	Р
12	15.1095	-2.84	10.39	7.55	50.00	-42.45	AVG	Р

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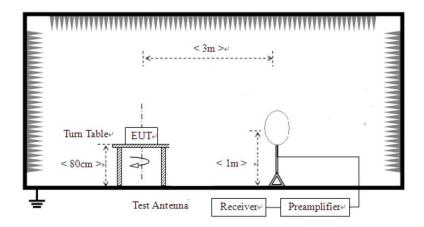


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



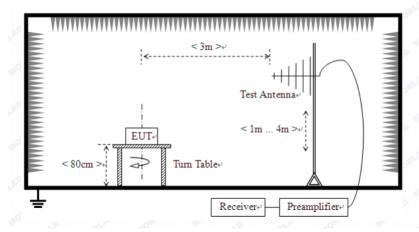
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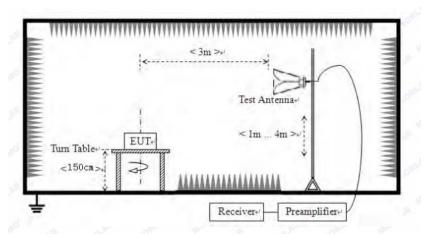
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT
 Same as section 5.3 of this report
- 6.3 EUT Operating Condition

 Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Strength of Fundamental (3m)				Field Strength of Harmonics (3m)			
(MHz)	mV/m	dBuV/m		uV/m	dBuV/m			
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)		

Note:

- 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.049	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. The three modulation modes of GFSK and $\pi/4D$ -QPSKwere tested. And only the worst case was recorded in the test report. GFSK was the worst case.
- 6. Battery fully charged during the test.
- 7. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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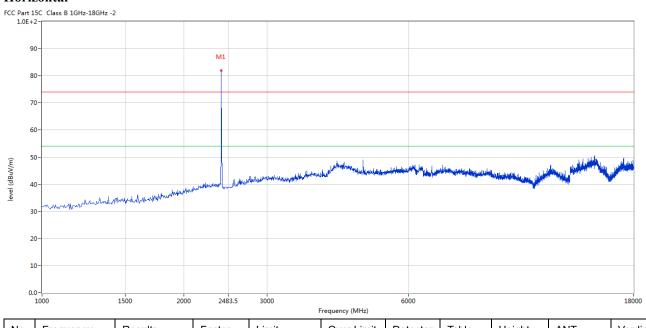


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



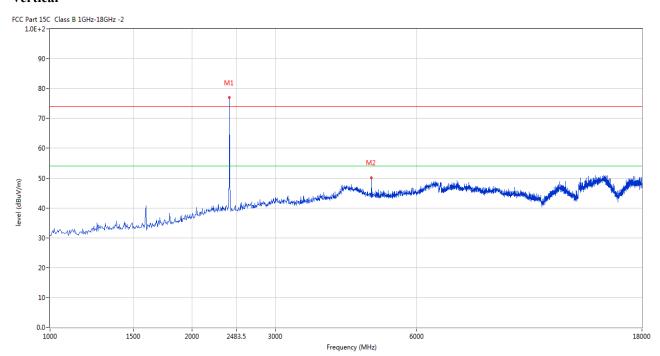
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.149	82.64	-3.57	114.0	-31.36	Peak	138.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	76.98	-3.57	114.0	-37.02	Peak	58.00	100	Vertical	Pass
2	4802.799	50.17	3.12	74.0	-23.83	Peak	189.00	100	Vertical	Pass

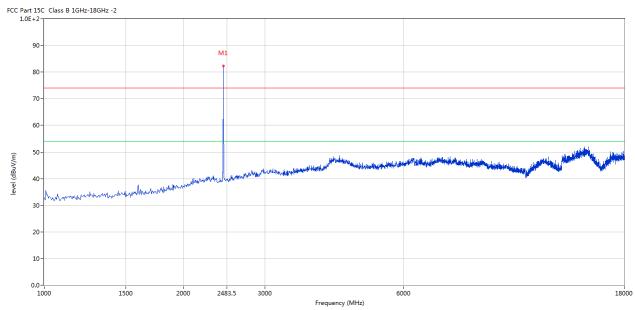
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



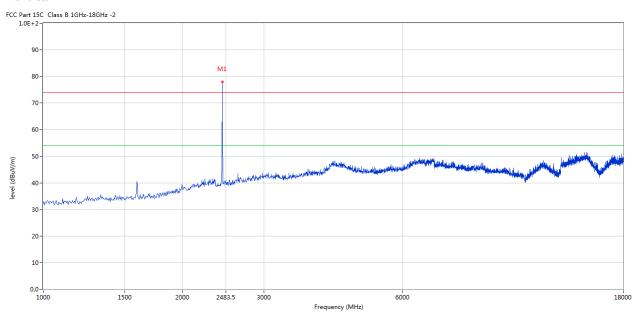
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	82.27	-3.57	114.0	-31.73	Peak	241.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	77.92	-3.57	114.0	-36.08	Peak	149.00	100	Vertical	Pass

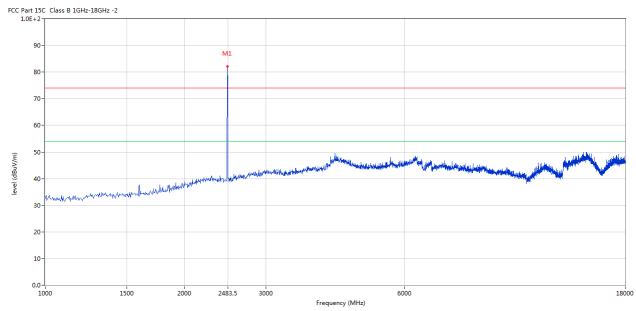
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



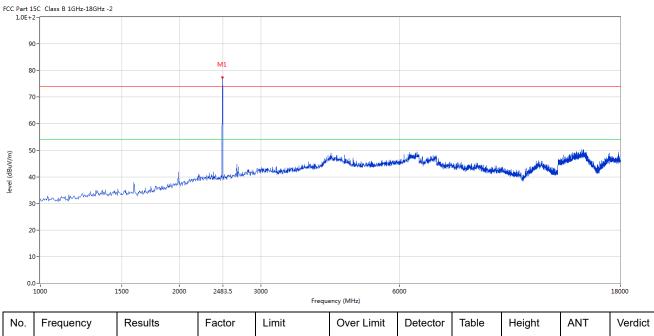
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	82.05	-3.57	114.0	-31.95	Peak	138.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	77.37	-3.57	114.0	-36.63	Peak	63.00	100	Vertical	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (3) Margin=Emission-Limits
- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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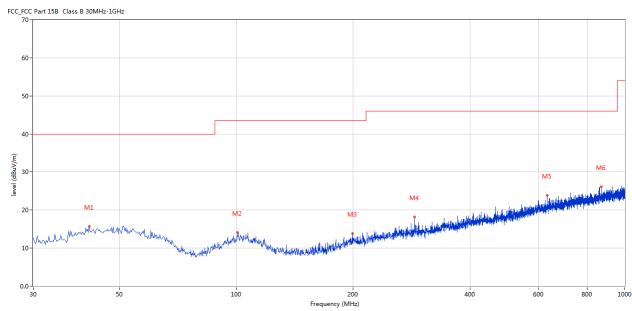


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	41.880	15.69	-11.72	40.0	-24.31	Peak	104.00	100	Horizontal	Pass
2	100.550	14.11	-13.48	43.5	-29.39	Peak	136.00	100	Horizontal	Pass
3	199.223	13.88	-13.50	43.5	-29.62	Peak	289.00	100	Horizontal	Pass
4	287.956	18.25	-11.27	46.0	-27.75	Peak	215.00	100	Horizontal	Pass
5	631.977	23.83	-4.83	46.0	-22.17	Peak	97.00	100	Horizontal	Pass
6	870.295	26.15	-2.04	46.0	-19.85	Peak	6.00	100	Horizontal	Pass

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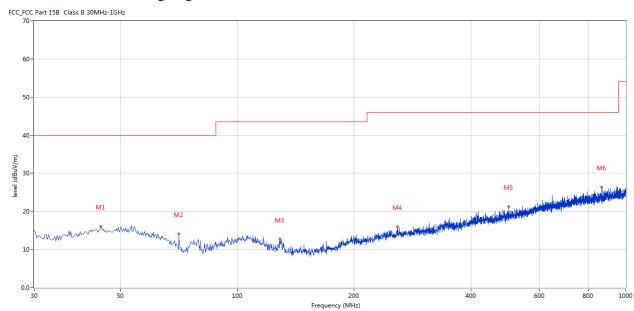


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	44.546	16.14	-11.44	40.0	-23.86	Peak	131.00	200	Vertical	Pass
2	70.730	14.16	-15.96	40.0	-25.84	Peak	236.00	200	Vertical	Pass
3	128.673	12.73	-16.78	43.5	-30.77	Peak	360.00	200	Vertical	Pass
4	258.378	15.95	-11.85	46.0	-30.05	Peak	296.00	200	Vertical	Pass
5	498.878	21.18	-7.04	46.0	-24.82	Peak	272.00	100	Vertical	Pass
6	867.871	26.40	-2.31	46.0	-19.60	Peak	53.00	200	Vertical	Pass

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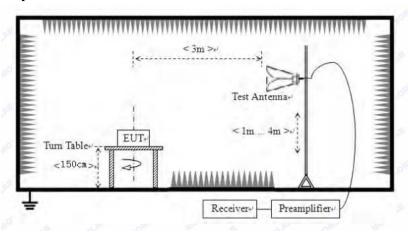


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

The report refers only to the sample tested and does not apply to the bulk.

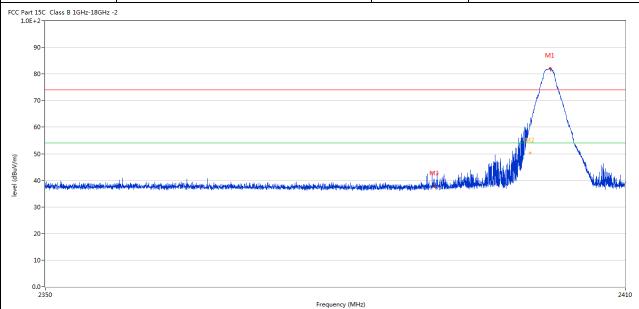
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7.6 Test Result

Product:	Smart Audio Glasses	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
2	2400.072	60.53	-3.57	74.0	-13.47	Peak	127.00	100	Horizontal	Pass
2**	2400.072	50.24	-3.57	54.0	-3.76	AV	127.00	100	Horizontal	Pass
3	2390.085	37.75	-3.53	74.0	-36.25	Peak	119.00	100	Horizontal	Pass

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P	Product:	Sn	nart Audic	Glasses	I	Detector		Ver	tical	
	Mode	Ke	eping Tra	nsmitting	Te	st Voltage		DC	3.7V	
Ter	mperature		24 deg	. C,	F	Iumidity		56%	6 RH	
Tes	st Result:		Pass	S				-		
C Part 15 1.0E+2	5C Class B 1GHz-18GHz -2									
90)-									
80)-							Mi	1	
70)-									
60)-								$\overline{}$	
								1 1 1 12		
50)-	والمساولة			discontinuos, est.			12	Number of the second se	kili di natrola
50	- - براستان مالینا میشون استان داده استان ا	alberra de desembra de la ciencia	n new date for the state of the	موادا والمراجعة والم	المالم معرفة إمراك والمرادة و	M3 M3		M2	Marin Marin	killighaarrika
50	s - - pologial ko moldend za dengvijekova ktoraljek 	elskesse. Av Lavindrey Minafelskelskel	napodakyalyodyddigiddigiddigiddi	ngkilistrak an dengah adisa da	delenen skinlenskih e sendu	May May		M2 •		d dayla a strola
40	s - - volugiillise achturi anterquistime hiridirek 	alkeric deel a shakeag black bis is a	n ng sind dada ji salay ka	aghteris a milescephilates de	المتأخر والمتمار أفريها أواله والمتراد			M2 •		d Mily kongrede
50 40 30 20	o - - pologiai los moltinos de monercia (moltinos literal) ele 	alkonna de el este el este el el el este el	n merkele film film before a before a before		dda yn thifleshille y a do			•		t illight seignet
50 40 30 20 10	o - - pologiai los moltinos de monercia (moltinos literal) ele 	alkinin dirikterilde elikki ili il	n per da de produce de la decidad decidad de la decidad de		iquency (MHz)			•		2410
30 20 10 0.0 2	- polyginika sakkari saskari sakkari da di di	Results	Factor			Detector	Table	Height	ANT	2410
30 20 10 0.0 2	2350			Fre	squency (MHz)		Table (o)	Height (cm)		2410
50 40 30 20 10 0.0 2 No.	Frequency	Results	Factor	Fre	quency (MHz) Over Limit			•		Tangline St. P. Tan
50 40 30 20 10	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	oquency (MHz) Over Limit (dB)	Detector	(o)	(cm)	ANT	2410 Verdid

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	Product:	5	Smart Aud	lio Glasses		Polarity		Н	orizontal	
	Mode	K	Ceeping Tr	ransmitting		Test Voltag	ge	Ι	OC3.7V	
Te	mperature		24 de	eg. C,		Humidity	7	5	6% RH	
Те	est Result:		Pa	iss						
CC Part 1	15C Class B 1GHz-18GHz	-2								
ç	90-									
·	30 -			h						
				1						
7	70-									
,	50-		1 July 1	l l						
,	50 -	U.	W	N. W.						
_	50-	The state of the s		No.	1					
_				A Park	Water Market	Andrew will should still some	ithraka dan wanyilik balk	icasantalisa waxaalaha	dhanyemik badakin kilonik kilonbanda d	الإنشانية
level (dBuV/m)	50- L				of the Total Application	hadronistical and airba	itte alea olos essintiet kalke	icaspoorbelilla. Mais valdorjus	غليقي بستاني المقارض بالذري فالدون بالخدون بأ	allyd april 1884
level (dBuV/m)	10-11-11-11-11-11-11-11-11-11-11-11-11-1				April 10 Apr	Adversalisminist desilien	tife a fine dess constitut the lands	kassartakila, m _{air} anisir fis	المعرب عليا الإراث المستراط المقال المستراط المسترط المسترط المسترط المسترط المستراط المستراط المستراط المستراط المستراط	athyl aponintill
eve (dBuV/m)	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -				Market John Williams	Hadrochodensitis kultaitha	ing a dea namental state.	hadan kalika ina jiraka pe	المراوسة الإستان المراوسة المر	arkyd agronau All
(m/Vab) level (dBuV/m)	10-				V. Levinski deli della	Andran souther standard have miles and the second	interplation described backs	inassantalika wa _{ni} walionfu	المراجعة الم	arigin aproximati
[48n//m]	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			2483.5		Andranasides with a lander of the second	tills explantess accomplication.	ivasentalikama valietys	المراجعة ال	2500
(m/Vab) level (dBuV/m)	10-	Results	Factor	2483.5	i	Detector	Table	Height	ANT	2500
(m/\mu/\mu/\mu) 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results (dBuV/m)	Factor (dB)	2483.5	; Frequency (MHz)					

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	Product:	Sn	nart Audio	Glasses	I	Detector		rtical			
	Mode	Ke	eping Tra	nsmitting	Tes	st Voltage		DC	3.7V		
Te	mperature		24 deg	. C,	Н	Iumidity		56% RH			
Te	est Result:		Pas	S							
FCC Part 1	L5C Class B 1GHz-18GHz -	2									
g	0-										
8	60-										
7	0-										
			, f								
6	60-	, all	المعطارا	X							
	50-										
			W		dhaanadhad an Lada an da dheirig	in a substitute of the substit	فراويدانين ومسادرونان	أفالتا للواسية للشام والمساون	البرادية ألفاله والمتحدد ومرجو	aulidad l	
level (dBuV/m)					hanna an	idea da de la designa de la decembra	atisha darinda dikeba dikeba	أوالداد فالدار فرند فأسيونين	ing da salah s		
level (dBuV/m)			y		haandistlish tilde om boldsje	the state of the s	ation desired and the safe in	المرابعة والمرابعة و	المراورة الم	nullini.	
(m/\mu/\mu/\mu) eve (dBu\mu/\mu) 3	io-mulatialdida di la digunida		Y			na, tildah sadal sin	فلأباد استد استده فانت	والمالية فالمراج في والمستواط	ng pangangan dili ngkhada	mullihet.	
[m/k]					de annual part of the second district		الم والمن أستر في أوان	المرابع والمرابع	الدرامة المتاركة المت		
(m/ngn/m) sale (qgn/m) sale (qg				2483.			المراجعة والمسترادة والمسترادة والمسترادة والمسترادة والمستراءة والمسترادة وا	haiyeye de	haydan sayla at dill a dill fari di	2500	
(m/ngn/m) sale (qgn/m) sale (qg		Results	Factor	z483.	.5	Detector	Table	Height	ANT		
(m/Nm) 44	0-2470	Results (dBuV/m)	Factor (dB)	T	.5 Frequency (MHz)					2500	

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. The three modulation modes of GFSK and π /4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB Antenna with gain -0.58dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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FSK Modulation										
Product:		t Audio Gl				est Mode:		Keep tran		
Mode		ng Transn				st Voltage	DC3.7V			
Temperature		24 deg. C,			Humidity			56%		
Test Result:	Pass					Detector		P	K	
OdB Bandwidth		883.77kHz	<u> </u>					-	_	
Ref Lvl	ndB		.00 dB	VI	3W 3W	30 ki	Hz	F Att	20 dE	
10 dBm	BW 883	3.767535	o0'/ kHz	SI	VT	8.5 m	s Ui	nit	dE	3m
						v ₁	[T1]	-2	2.53 dB	m
0								2.40200		Z
			1.			ndB BW	8.8	20 3.76753	0.00 dB 3507 kH	7
-10			///	\bigvee		$ abla_{\mathrm{T1}}$	[T1]	-21	2.73 dB	
			\mathcal{N}		٦			2.40155	210 GH	z
-20		771			Y	∇_{T2}	[T1]	-22		
1MAX								2.40243	3587 GH	1
-30		<i>,</i>					7			
-50								M		
-60	·						V	7	why	Ŋ.
-70										
, Ŭ										
-80										
-90 Center 2.40	2 GHz	ı	300	kН7/				Sna	an 3 MH	_

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GFSK Modula	ation											
Product:		Smart	Audio Gla	sses		Т	est Mode:	:	Keep tra	ansmitting		
Mode		Keepin	g Transmi	tting		Te	est Voltage	e	DC	C3.7V		
Temperature		2	4 deg. C,]	Humidity		56% RH			
Test Result:	Pass					Detector			PK			
20dB Bandwidth		86	55.73kHz									
R)		Marker	1 [T1 r	ndB]	R	.BW	30 k	Hz R	F Att	20 dB		
Ref Lvl		ndB		00 dB		BW	100 k					
10 dBm		BW 865	5.731462	93 kHz	S	WT	8.5 m	ıs U:	nit	dBm		
							\blacktriangledown_1	[T1]	-3	3.17 dBm	A	
0									2.44100	902 GHz		
							ndI BW	8	20 35.73146	0.00 dB		
1.0					$\backslash \Lambda$		o Bw ∇ _T :) [T1]	-23	5293 kHz 3.23 dBm		
-10						1			2.44055	210 GHz		
						V	∇ _T :	2 [T1]	-23	3.24 dBm		
-20			Y				42 V		2.44141	1784 GHz	1MA	
			\ [\]				, \					
-30			ĺ				Ì	٧				
-40		م الم						\	M			
-50		V						V	The state of the s	mula		
-60												
-70												
-80												
-90 Center 2	2.441 G	Hz		300	kHz/				Spa	an 3 MHz	_	
Date: 1	0.JAN.2	022 16	:24:38									

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Product:		Smart A	Audio Gla	sses		T	est Mode:		Keep tra	ansmitting		
Mode		Keepin	g Transmi	tting		T	est Voltage			23.7V		
Temperature			4 deg. C,			_	Humidity		56% RH			
Test Result:	Pass					Detector]	PK		
20dB Bandwidth		88	33.77kHz									
	ľ	Marker	1 [T1 r	ndB]]	RBW	30 kl	Iz R	F Att	20 dB		
Ref Lvl	1	ndB	20.	00 dB	•	VBW	100 kl	Iz				
10 dBm	I	BW 883	3.767535	07 kHz	:	SWT	8.5 ms	s U	nit	dBm	ı	
10							v ₁	[T1]	_ 4	1.16 dBm	2	
									2.48000	902 GHz	A	
0					ļ .		ndB		20	0.00 dB		
				Mad	\		BW ⊽ _{T1}	88	3.76753			
-10				1000	\vee	4	V T.	[T1]	2.47955	.06 dBm		
			,	\sim		٦	$ abla_{\mathrm{T}2}$	[T1]	-24			
-20			T1/				VT2		2.48043	8587 GHz		
1MAX			7				W .				1M2	
-30		$\sqrt{}$	<i>,</i>				1	<u>\</u>				
-40	~~~								M			
-60								V	7	Muhamad		
-00												
-70												
-80												
-90 Center 2	48 CH2			300	ku-	/			Qn.	an 3 MHz		
).JAN.20			300	17114				Spe	an J MAZ		

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π/4D-QPSK M	odulatio	n										
Product:		Smart .	Audio Gla	sses		Т	est Mode:		Keep tra	ansmitting		
Mode		Keeping Transmitting				To	est Voltage	;	DC	C3.7V		
Temperature		2	4 deg. C,]	Humidity		56% RH			
Test Result:	Pass						Detector]	PK		
20dB Bandwidth		1.	214MHz									
Ŕ		Marker	1 [T1 n	ndB]	R	BW	30 k	Hz RI	F Att	20 dB		
Ref Lvl		ndB		00 dB		BW	100 k					
10 dBm		BW 1	1.214428	886 MHz	S	WT	8.5 m	s Uı	nit	dBm		
							v ₁	[T1]	-2	2.53 dBm	A	
0									2.40200	902 GHz		
				^			ndE BW		20 1.21442	0.00 dB		
1.0				/\ /	\		Bw ∇ _T :	[T1]	-21	2886 MHz 2.38 dBm		
-10			$\sim \sim$	7 W	w	3	My		2.40138			
								[T1]	-22	2.56 dBm		
-20		7					Ť	<u> </u>	2.40259	9820 GHz	1MA	
								4				
-30												
								\				
-40	Λ.								<u> </u>			
-50	~~~~\/	, «\						\bigvee	\sim			
									\\\\\\	my		
-60												
-70												
-80												
-90 Contor 3	402 0	T.		300	lett — /				O== =	2 MIII-		
Center 2				300	ĸпZ/				Spa	an 3 MHz		
Date: 10).JAN.2	022 16	:42:57									

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Product:	Smart	Audio Glas	sses	Γ	Test Mode:	K	Leep transmi	itting	
Mode	Keepir	ng Transmit	ting	T	est Voltage	DC3.7V			
Temperature	2	24 deg. C,		-	Humidity	56% RH			
Test Result:		Pass			Detector		PK		
dB Bandwidth	1	.214MHz							
	Marker	1 [T1 n	dB]	RBW	30 kH:	z RF A	tt 20	dВ	
Ref Lvl	ndB	20.	00 dB	VBW	100 kH:				
10 dBm	BW	1.214428	86 MHz	SWT	8.5 ms	Unit		dBm	
10					▼ 1 [T1]	-3.16	dBm	
						2.	44100902	GHz	
0			_	7	ndB		20.00	dB	
			Λ	\	BW ▽ _T 1	1.	21442886 -23.23	MHz dBm	
-10		0	/W	m/~	M		44038377	GHZ	
			~		$\sqrt{2}$	[T1]		dBm	
-20		1			12	2.	44159820	GHz	
1MAX	/				\)		11	
-30									
-40	M						\		
-50							harmy	~ulv"	
-60									
-70									
-80									
Center 2.4	41 GHz		300	kHz/	<u> </u>	L	Span 3	MHz	

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Product:		Smart A	Audio Gla	sses		Т	est Mode:		Keep tra	nsmitting		
Mode	Keeping Transmitting						est Voltage		DC3.7V			
Temperature		24 deg. C,							56% RH			
Test Result:	Pass 1.208MHz					Detector			I	PK		
20dB Bandwidth												
F		Marker	1 [T1 n	ndB]	R	BW	30 kI	Hz R	F Att	20 dB		
Ref Lvl		ndB		00 dB	V	BW	100 k					
10 dBm		BW 1	.208416	83 MHz	S	WT	8.5 ms	s Ui	nit	dBm	ı	
10							v ₁	[T1]	-4	.18 dBm	A	
									2.48000	902 GHz	-	
0							ndB		20	.00 dB		
				l ∧ /	\		BW $oldsymbol{ abla}_{\mathrm{T1}}$	5-2.2	1.20841			
-10					h		^	[T1]	2.47938	.10 dBm 978 GHz		
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		,	\sim	\sqrt{N}	[T1]	-24	.20 dBm		
-20		T	<u></u>				1:	2	2.48059	820 GHz		
1MAX							Y	\			1M2	
-30												
-40	_ ^ ^							\war-	. ^			
-50	~~~								M	~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~		
-60										7		
-70												
-80												
-90												
Center 2	.48 GHz	z		300	kHz/				Spa	n 3 MHz		

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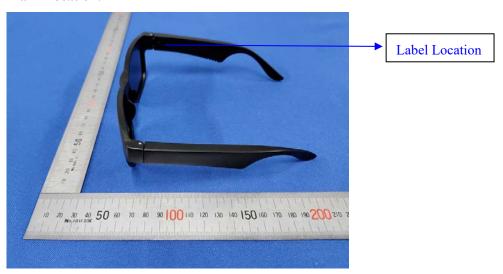


10.0 FCC ID Label

FCC ID: 2AS7V-SG12

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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11.0 Photo of testing

11.1 Conducted test View--



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Radiated emission test view



The report refers only to the sample tested and does not apply to the bulk.

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11.2 Photographs – EUT

Outside View



The report refers only to the sample tested and does not apply to the bulk.

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Date: 2022-01-13



Outside View



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Outside View



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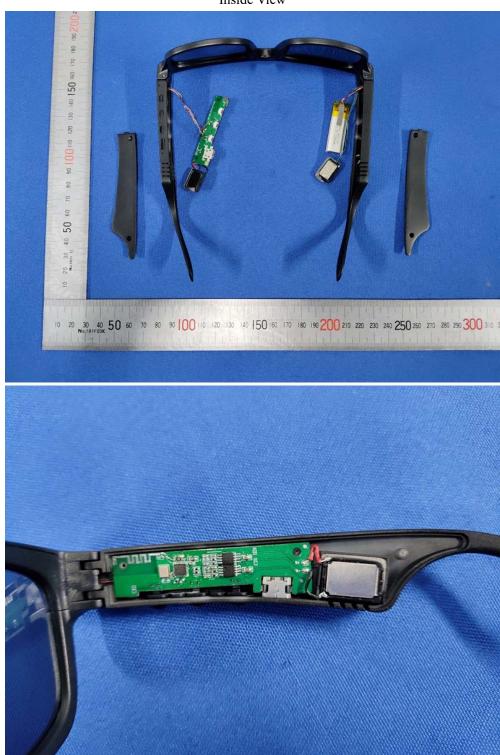
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Date: 2022-01-13



Inside View



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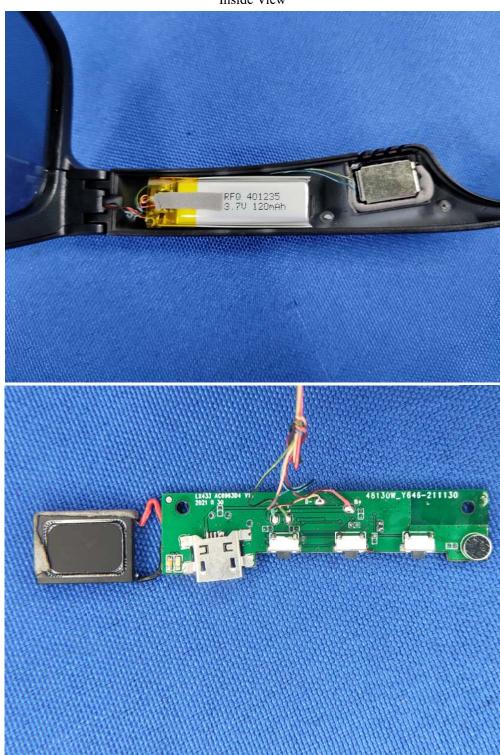
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Inside View



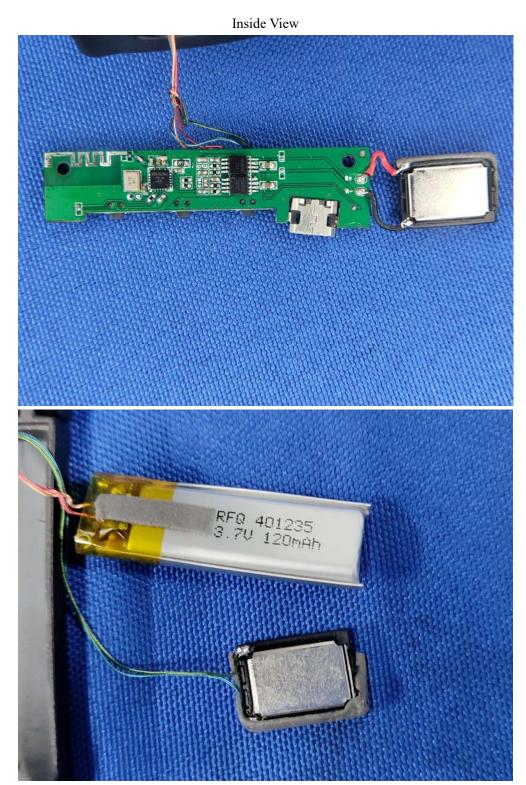
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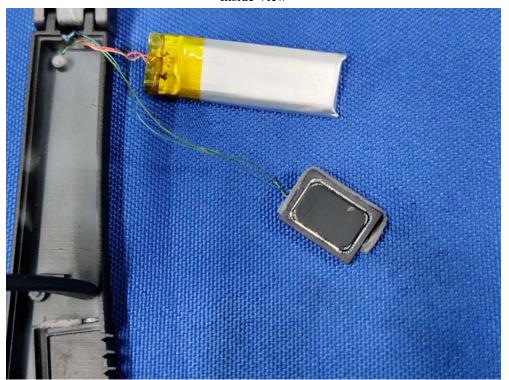


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Inside View



-- End of the report--