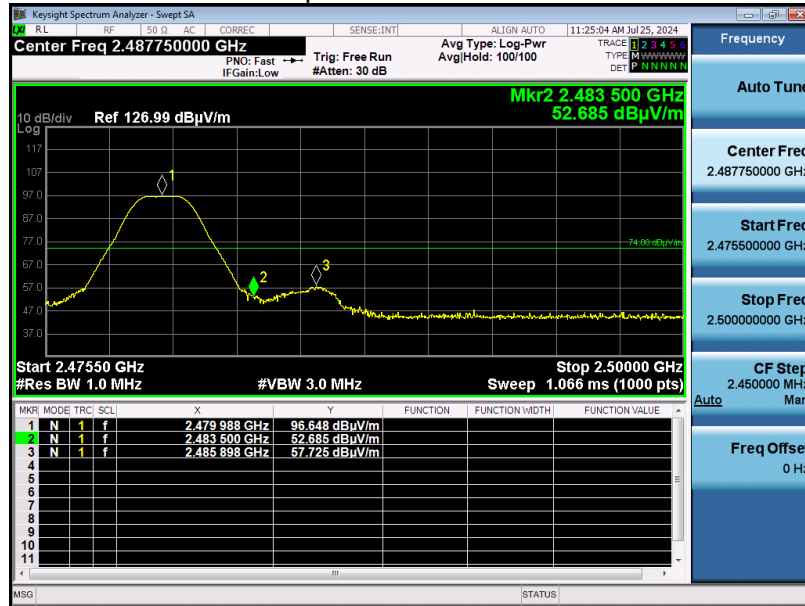


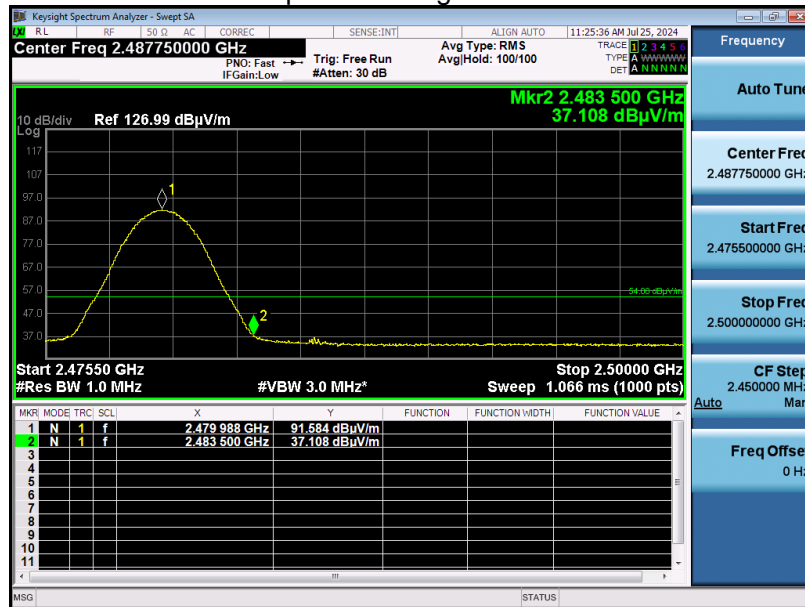
### Band Edge Emission Test Results for Restricted Bands

EUT Name	Wireless speaker	Model Name	A31A3
Temperature	24.7°C	Relative Humidity	54.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



### RESULT: Pass

Note: The factor had been edited in the “Input Correction” of the Spectrum Analyzer.

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## 12. AC Power Line Conducted Emission Test

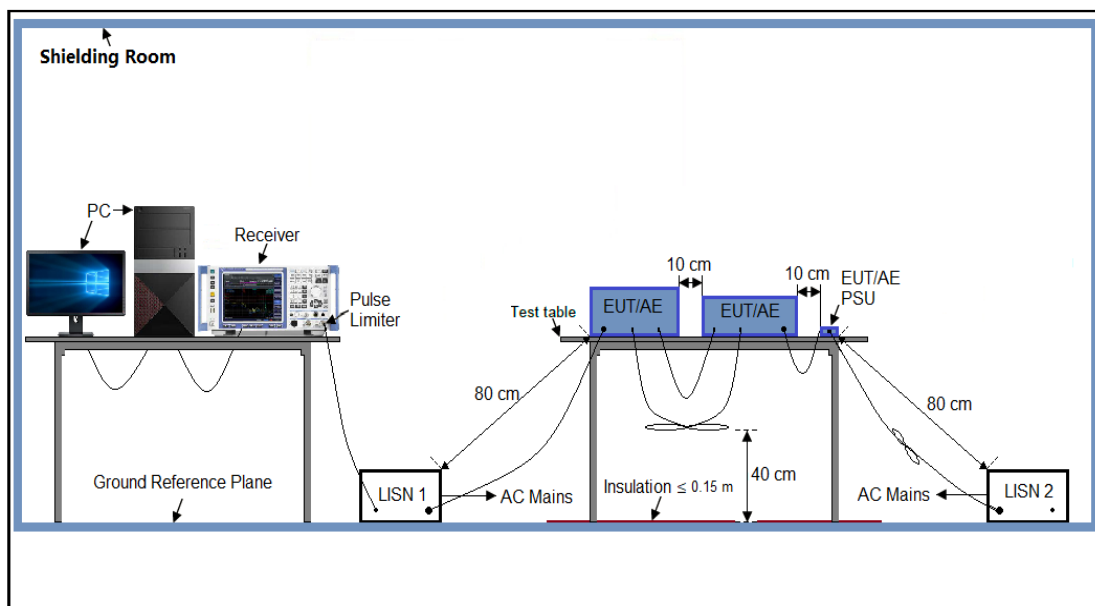
### 12.1 Measurement Limit

Frequency	Maximum RF Line Voltage	
	Q.P. (dB $\mu$ V)	Average (dB $\mu$ V)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

### 12.2 Measurement Setup (Block Diagram of Configuration)



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### 12.3 Preliminary Procedure of Line Conducted Emission Test

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 12.4 Final Procedure of Line Conducted Emission Test

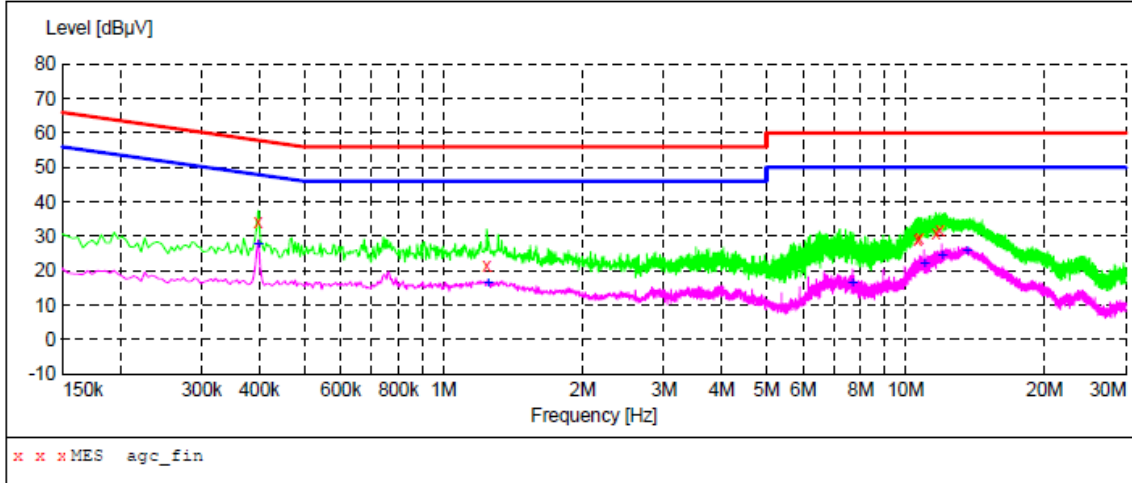
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

### 12.5 Measurement Results

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### AC Power Line Conducted Emission Test

Test Mode	Mode 1	LISN Line	Hot Side
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#### MEASUREMENT RESULT: "agc\_fin"

2024/8/14 16:07

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.398000	33.90	6.1	58	24.0	QP	L1
1.242000	21.70	6.2	56	34.3	QP	L1
10.614000	28.80	6.7	60	31.2	QP	L1
10.726000	29.60	6.7	60	30.4	QP	L1
11.622000	30.80	6.7	60	29.2	QP	L1
11.874000	31.60	6.7	60	28.4	QP	L1

#### MEASUREMENT RESULT: "agc\_fin2"

2024/8/14 16:07

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.398000	27.80	6.1	48	20.1	AV	L1
1.250000	16.20	6.2	46	29.8	AV	L1
7.682000	16.30	6.5	50	33.7	AV	L1
10.978000	22.00	6.7	50	28.0	AV	L1
11.994000	24.50	6.8	50	25.5	AV	L1
13.582000	25.90	6.8	50	24.1	AV	L1

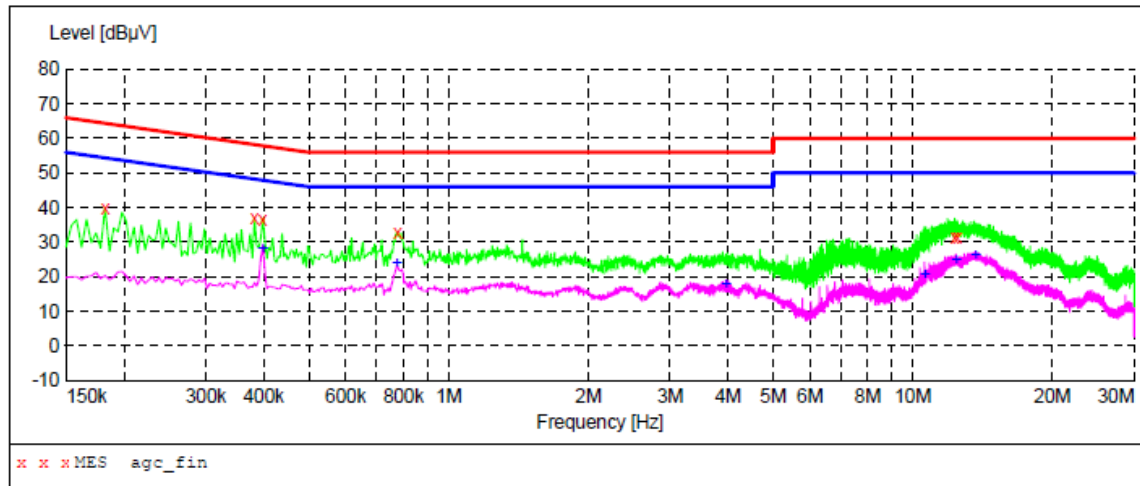
**RESULT: PASS**

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Attestation of Global Compliance(Shenzhen)Co., Ltd  
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd  
Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

## AC Power Line Conducted Emission Test

Test Mode	Mode 1	LISN Line	Neutral Side
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**MEASUREMENT RESULT: "agc\_fin"**

2024/8/14 15:59

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.182000	39.60	6.1	64	24.8	QP	N
0.382000	36.90	6.1	58	21.3	QP	N
0.398000	36.50	6.1	58	21.4	QP	N
0.778000	32.80	6.2	56	23.2	QP	N
12.318000	31.30	6.8	60	28.7	QP	N
12.482000	31.30	6.8	60	28.7	QP	N

**MEASUREMENT RESULT: "agc\_fin2"**

2024/8/14 15:58

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.398000	28.20	6.1	48	19.7	AV	N
0.774000	23.70	6.2	46	22.3	AV	N
3.958000	17.50	6.3	46	28.5	AV	N
10.610000	20.30	6.7	50	29.7	AV	N
12.390000	24.60	6.8	50	25.4	AV	N
13.662000	26.10	6.8	50	23.9	AV	N

**RESULT: PASS**

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std &amp; Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

## **Appendix I: Photographs of Test Setup**

Refer to the Report No.: AGC01110240642AP01

## **Appendix II: Photographs of Test EUT**

Refer to the Report No.: AGC01110240642AP02

**-----End of Report-----**

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
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8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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