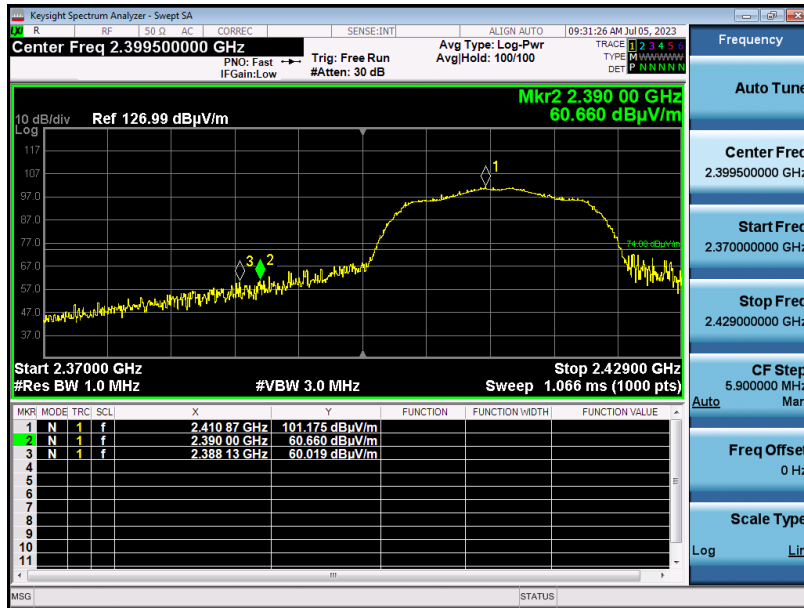
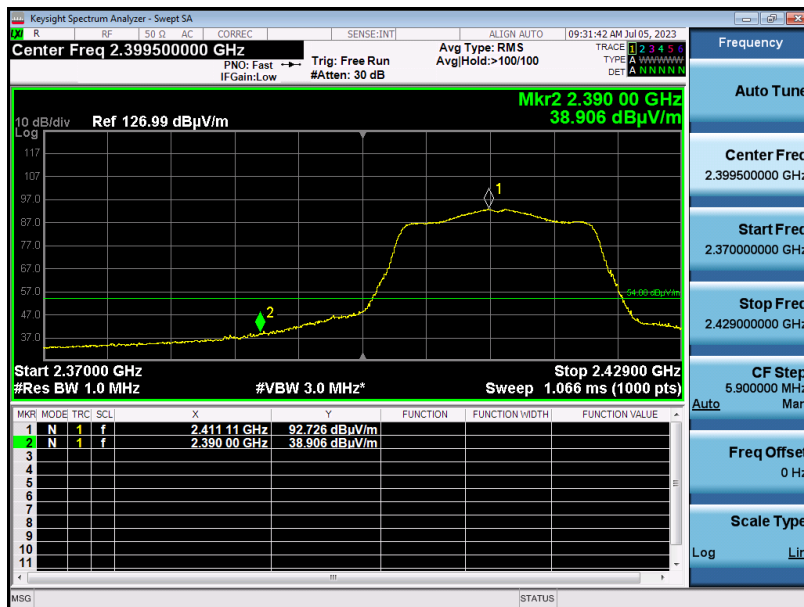


EUT	IP Phone	Model Name	X305
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	DC 5V
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



**RESULT: PASS**

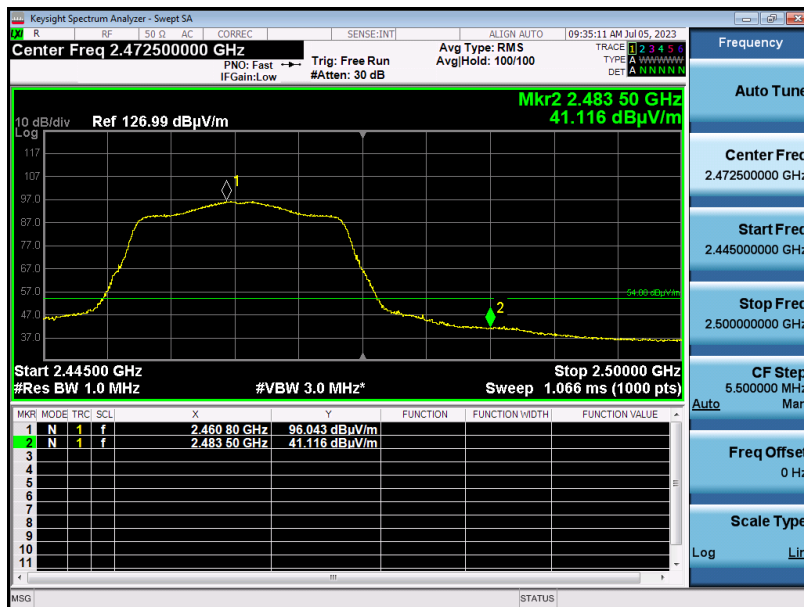
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EUT	IP Phone	Model Name	X305
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	DC 5V
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



**RESULT: PASS**

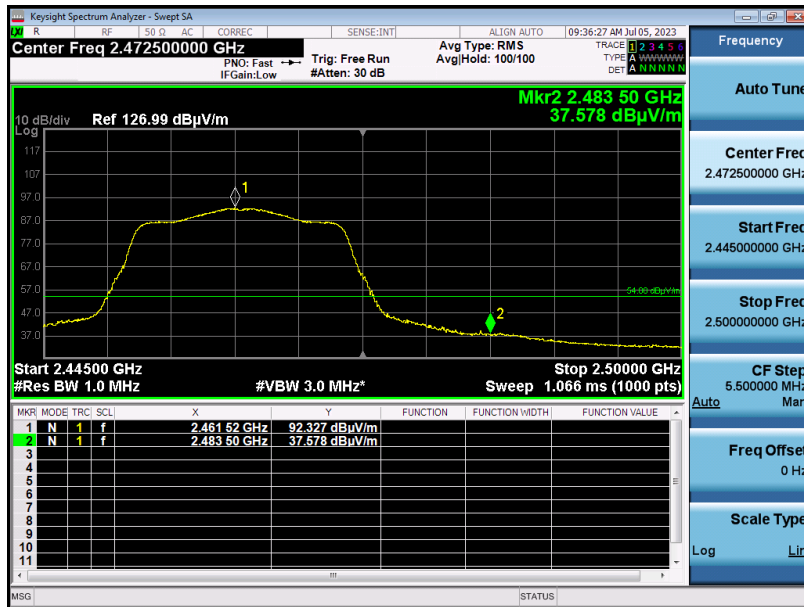
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

EUT	IP Phone	Model Name	X305
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	DC 5V
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



**RESULT: PASS**

**Note:** All voltages are tested. The test data of the worst case (DC 5V) was reported on the Summary Data page.

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## 12. LINE CONDUCTED EMISSION TEST

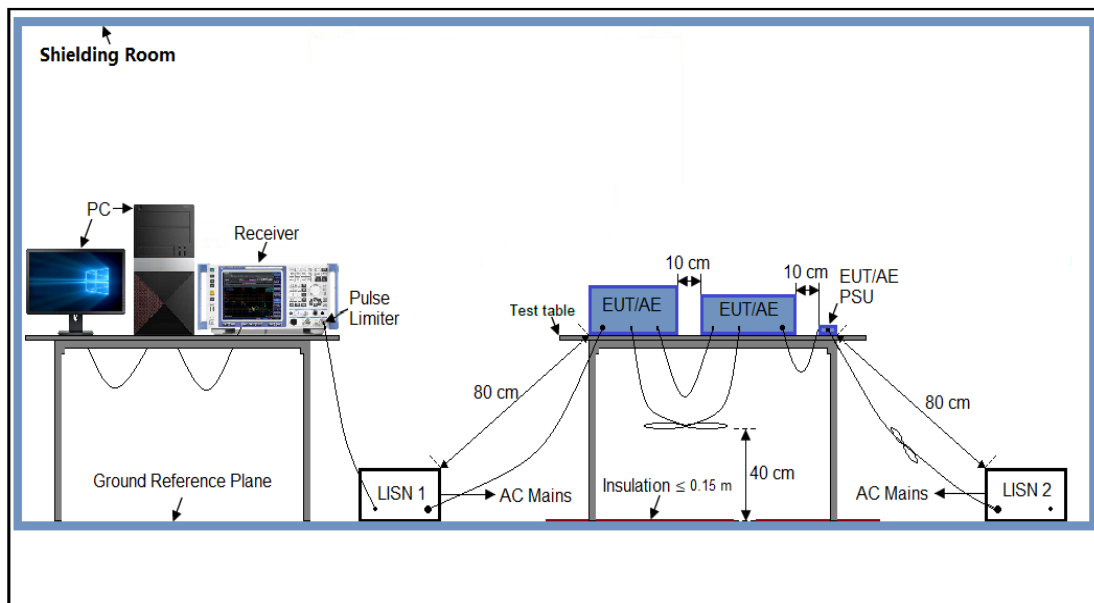
### 12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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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 or DC 48V power from PoE 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

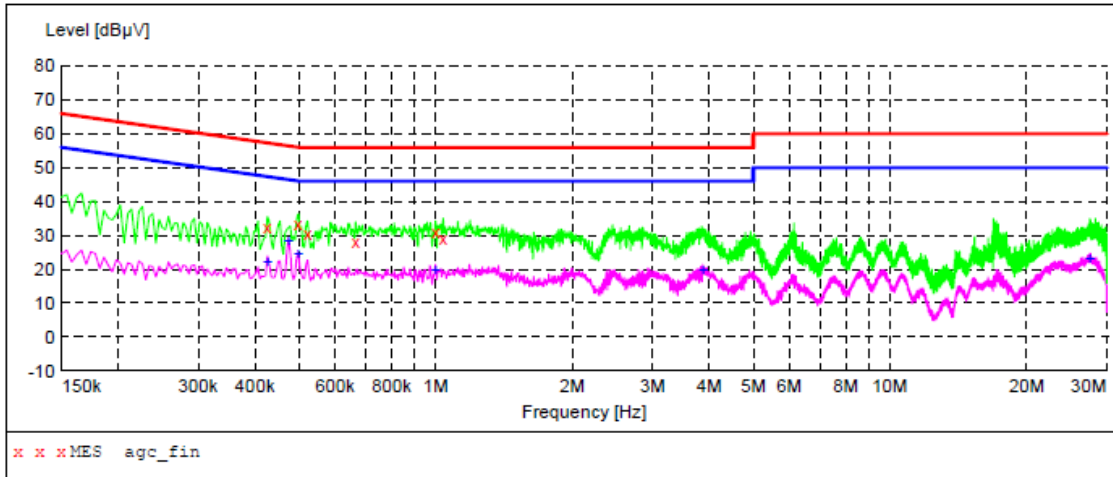
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used 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 (802.11b\_2412MHz) was reported on the Summary Data page.

### 12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

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AC POWER LINE CONDUCTED EMISSION TEST

Test Mode      802.11b\_2412MHz by DC 5V adapter      LISN line      Hot Side



**MEASUREMENT RESULT: "agc\_fin"**

2023/7/12 17:19

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.426000	32.30	6.1	57	25.0	QP	L1
0.498000	33.50	6.1	56	22.5	QP	L1
0.522000	30.30	6.1	56	25.7	QP	L1
0.666000	28.10	6.2	56	27.9	QP	L1
0.998000	30.70	6.2	56	25.3	QP	L1
1.038000	28.90	6.2	56	27.1	QP	L1

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

2023/7/12 17:19

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.426000	22.20	6.1	47	25.1	AV	L1
0.474000	28.40	6.1	46	18.0	AV	L1
0.498000	24.60	6.1	46	21.4	AV	L1
0.998000	19.70	6.2	46	26.3	AV	L1
3.870000	19.80	6.3	46	26.2	AV	L1
27.526000	23.10	8.9	50	26.9	AV	L1

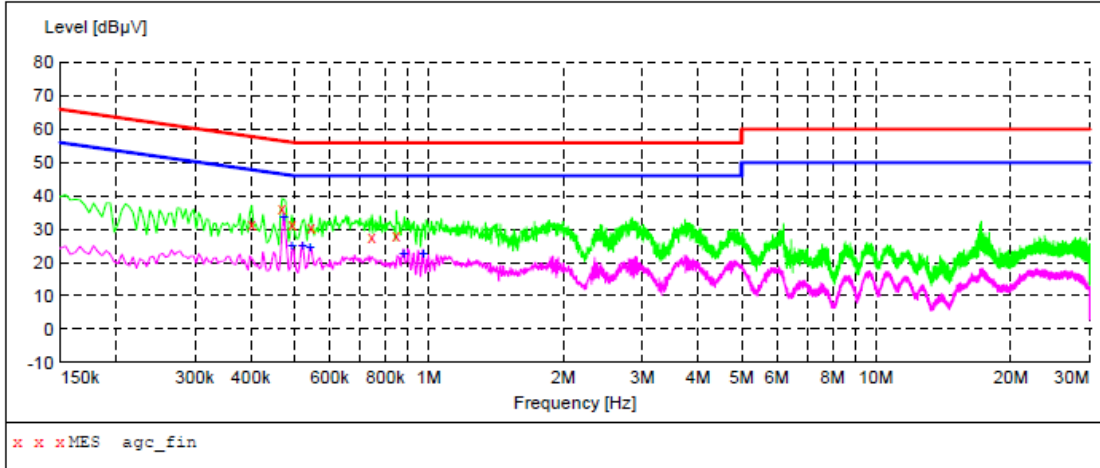
**RESULT: PASS**

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**AC POWER LINE CONDUCTED EMISSION TEST**

Test Mode	802.11b_2412MHz by DC 5V adapter	LISN line	Neutral Side
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**MEASUREMENT RESULT: "agc\_fin"**

2023/7/12 17:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.402000	31.50	6.1	58	26.3	QP	N
0.470000	36.10	6.1	57	20.4	QP	N
0.494000	31.40	6.1	56	24.7	QP	N
0.546000	30.50	6.1	56	25.5	QP	N
0.746000	27.70	6.2	56	28.3	QP	N
0.846000	28.00	6.2	56	28.0	QP	N

**MEASUREMENT**

2023/7/12 17:22

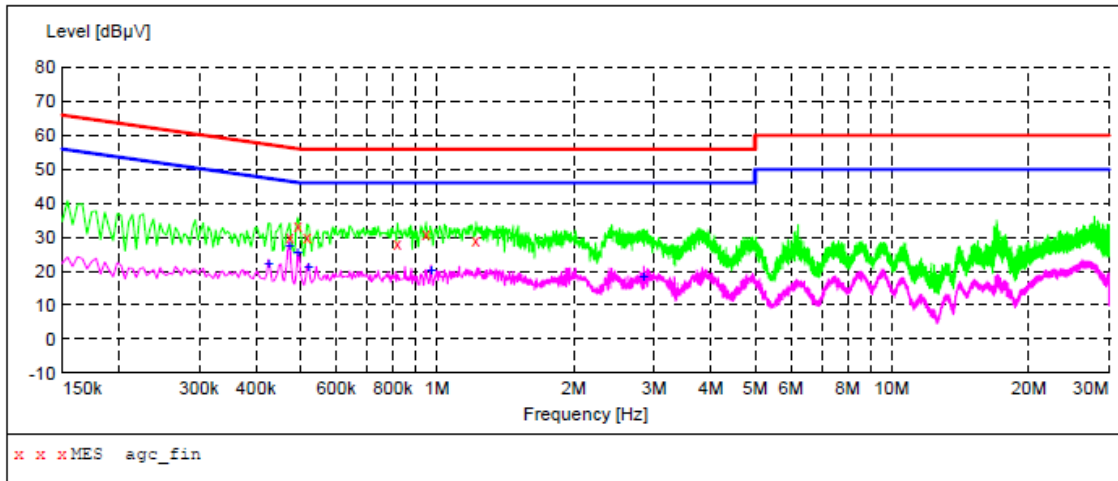
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.474000	33.60	6.1	46	12.8	AV	N
0.494000	25.20	6.1	46	20.9	AV	N
0.522000	25.10	6.1	46	20.9	AV	N
0.542000	24.70	6.1	46	21.3	AV	N
0.878000	23.00	6.2	46	23.0	AV	N
0.970000	22.90	6.2	46	23.1	AV	N

**RESULT: PASS**

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AC POWER LINE CONDUCTED EMISSION TEST

Test Mode: 802.11b\_2412MHz by DC 48V PoE      LISN line      Hot Side



**MEASUREMENT RESULT: "agc\_fin"**

2023/7/12 19:13

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.474000	30.00	6.1	56	26.4	QP	L1
0.494000	33.50	6.1	56	22.6	QP	L1
0.518000	29.70	6.2	56	26.3	QP	L1
0.818000	28.10	6.2	56	27.9	QP	L1
0.946000	30.90	6.2	56	25.1	QP	L1
1.218000	29.00	6.2	56	27.0	QP	L1

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

2023/7/12 19:13

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.426000	22.10	6.1	47	25.2	AV	L1
0.474000	27.70	6.1	46	18.7	AV	L1
0.494000	25.60	6.1	46	20.5	AV	L1
0.522000	21.20	6.2	46	24.8	AV	L1
0.970000	20.50	6.2	46	25.5	AV	L1
2.846000	18.40	6.3	46	27.6	AV	L1

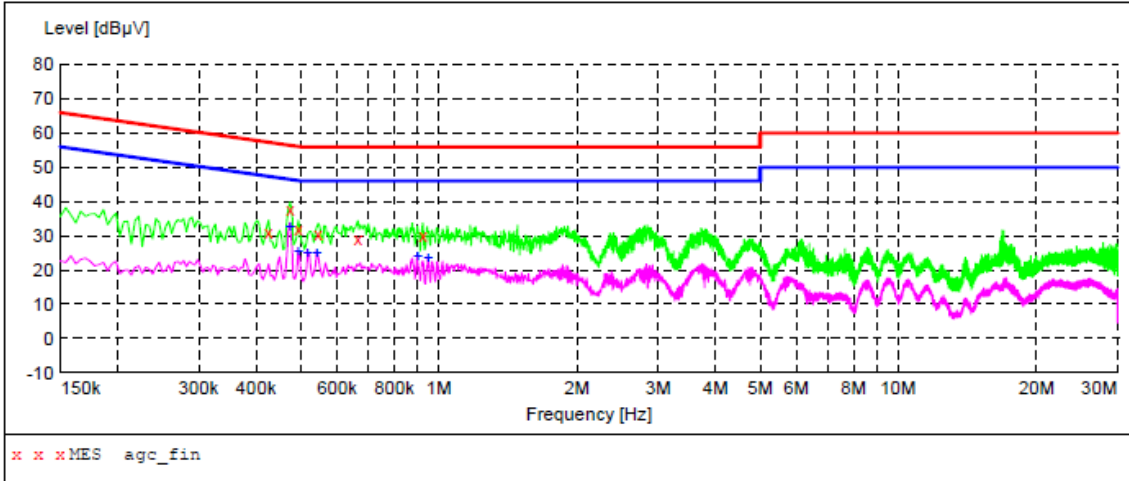
**RESULT: PASS**

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**AC POWER LINE CONDUCTED EMISSION TEST**

Test Mode	802.11b_2412MHz by DC 48V PoE	LISN line	Neutral Side
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**MEASUREMENT RESULT: "agc\_fin"**

2023/7/12 19:16

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.426000	31.10	6.1	57	26.2	QP	N
0.474000	37.60	6.1	56	18.8	QP	N
0.494000	31.80	6.1	56	24.3	QP	N
0.546000	30.50	6.2	56	25.5	QP	N
0.666000	29.10	6.2	56	26.9	QP	N
0.922000	29.80	6.2	56	26.2	QP	N

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

2023/7/12 19:16

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.474000	33.00	6.1	46	13.4	AV	N
0.494000	25.50	6.1	46	20.6	AV	N
0.518000	25.20	6.2	46	20.8	AV	N
0.542000	25.10	6.2	46	20.9	AV	N
0.898000	24.00	6.2	46	22.0	AV	N
0.946000	23.60	6.2	46	22.4	AV	N

**RESULT: PASS**

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## **APPENDIX I: PHOTOGRAPHS OF TEST SETUP**

Refer to the Report No.: AGC14499230608AP01

## **APPENDIX II: PHOTOGRAPHS OF EUT**

Refer to the Report No.: AGC14499230608AP02

**----END OF REPORT----**

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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](mailto:agc@agccert.com) Web: <http://www.agccert.com/>



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7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
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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