LCTECH

Test Report Number:	**LCZE25040040**	***Total Page(s):*** *14*
Applicant Name:	ARTIKA FOR LIVING INC	
Applicant Address:	1756 50th avenue, Lachine Quebec Canada	
Product Name:	OUTDOOR WALL LIGHT	
Model / Type Reference:	302236, OUT-DA5C-BL, 0505-WT, 0505-WD, 0505-WD-LG, 0505-WD-SE, 0505-WD-GFPC, 0505-WD-GFSE, 0505-WD-PC	
Date of Issue:	2025-06-04	
FCC ID:	2AUHG-OUT-DA5C	
Testing Laboratory:	LCTECH Guangdong Testing Service Co., Ltd. 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
Test Specification:	FCC CFR Title 47 Part 15 Subpart B	
Test Result:	Passed	

Compiled by:			**Reviewed by:**		
2025-06-04	Rex He	Rex He	2025-06-04	Tension Li	Tension Li
Date	*Name*	*Signature*	*Date*	*Name*	*Signature*

Remark:

N/A

TEST SUMMARY

5.1 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE
RESULT: Pass

5.2 RADIATED EMISSION
RESULT: Pass

Contents

1 General Remarks

When applying the basic standards in this test report, please refer to the applied generic or product family standards for edition information:
For dated basic standards, only the edition cited applies. For undated basic standards, the latest edition (including any amendments) applies.

1.1 Complementary Materials

Constructional Data form

2 Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.74dB
Uncertainty for Radiation Emission test	4.92dB

Note：This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3 Test Sites

3.1 Test Facilities

A. LCTECH Guangdong Testing Service Co.,Ltd
Add: 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China

3.2 Testing

Date of receipt of test item : 2025-04-22
Date (s) of performance of tests : 2025-04-24

3.3 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
Radiated Emission						☒
1	EMI Test Receiver	R&S	ESCI 7	100965	2024-06-26	2025-06-25
2	Log-periodic Dipole Antenna	Schwarzbeck	VULB 9162	058	2022-07-03	2025-07-02
3	3m Semi-anechoic	Zhongshuo Electronics	9mx6mx6m	N/A	2024-12-17	2027-12-16
4	RF Cable	R&S	R01	10403	2024-12-09	2025-12-08
5	EMI Test Software	AUDIX	E3	Version No: 6.111221a	N/A	N/A
Disturbance Voltage						☒
6	EMI Test Receiver	Rohde&Schwarz	ESCI	100939	2024-12-09	2025-12-08
7	Artificial Mains Network	ROHDE&SCHWARZ	ENV216	3560.6550.12	2024-12-09	2025-12-08
8	Shield Room	Rongxiang	8X5X3.5	992276296	2022-07-01	2025-06-30
9	Conducted Emission Test Software	FALA	EZ-EMC	Version No: LCTECH-03A	N/A	N/A

☐ **: Not Used**

☒ **: Used**

4 General Product Information

According to the declaration from the applicant, this report covers the model as below: See section 4.2 ratings and system details. Therefore 302236 was fully tested in the report.

4.1 Product Description and Intended Use

Refer to instruction manuals.

4.2 Ratings and System Details

No.	Model	Input wattage	Input voltage
1.	302236	20W	120Vac, 60Hz
2.	OUT-DA5C-BL	20W	120Vac, 60Hz
3.	0505-WT	20W	120Vac, 60Hz
4.	0505-WD	20W	120Vac, 60Hz
5.	0505-WD-LG	20W	120Vac, 60Hz
6.	0505-WD-SE	20W	120Vac, 60Hz
7.	0505-WD-GFPC	20W	120Vac, 60Hz
8.	0505-WD-GFSE	20W	120Vac, 60Hz
9.	0505-WD-PC	20W	120Vac, 60Hz

4.3 Independent Operation Modes

A. Test in lighting mode.

4.4 Noise Generating and Noise Suppressing Parts

Refer to the Constructional Data Form

4.5 Submitted Documents

Difference declaration
Rating Label
Circuit diagram

User manual
PCB layout

4.6 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.7 Physical Configuration for Testing

Refer to the related chapter in this test report.

4.8 Test Operation and Test Software

Refer to test set up in chapter 5.
All testing were performed according to the procedures in ANSI C63.29: 2022.

4.9 Special Accessories and Auxiliary Equipment

None

4.10 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

5 Test Results EMISSION

5.1 Conducted Emission

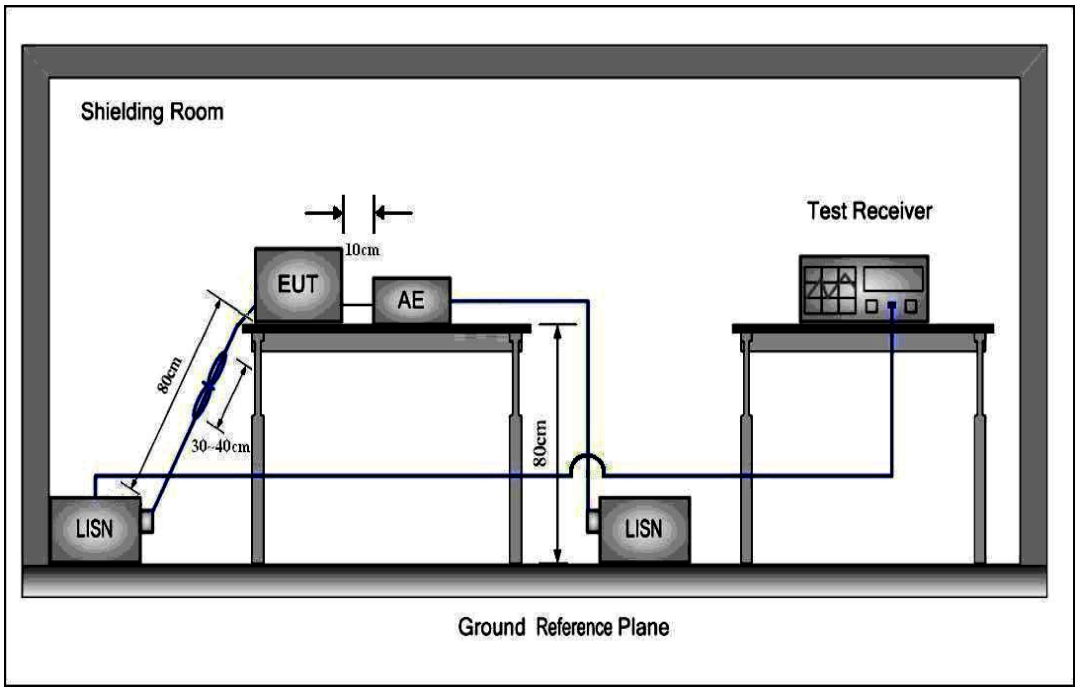
Results: **Pass**

Date of testing	:	Apr 24, 2025
Test procedure	:	ANSI C63.29:2022
Frequency range	:	0.15- 30MHz
Kind of test site	:	shielded room
Limits	:	FCC PART 15 Subpart B: Class B

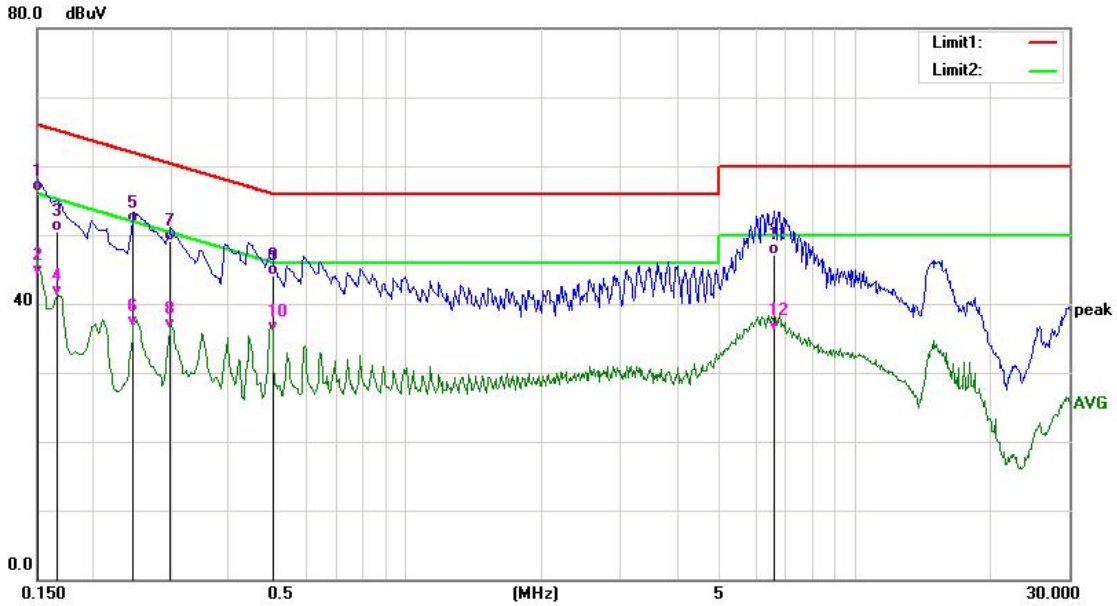
Test setup

Input Voltage	:	120Vac, 60Hz
Operation Mode	:	A
Artificial Hand	:	Not applied
Earthing	:	Applied
Temperature	:	24°C
Humidity	:	55%
Air pressure	:	101KPA

Test Connection Diagram



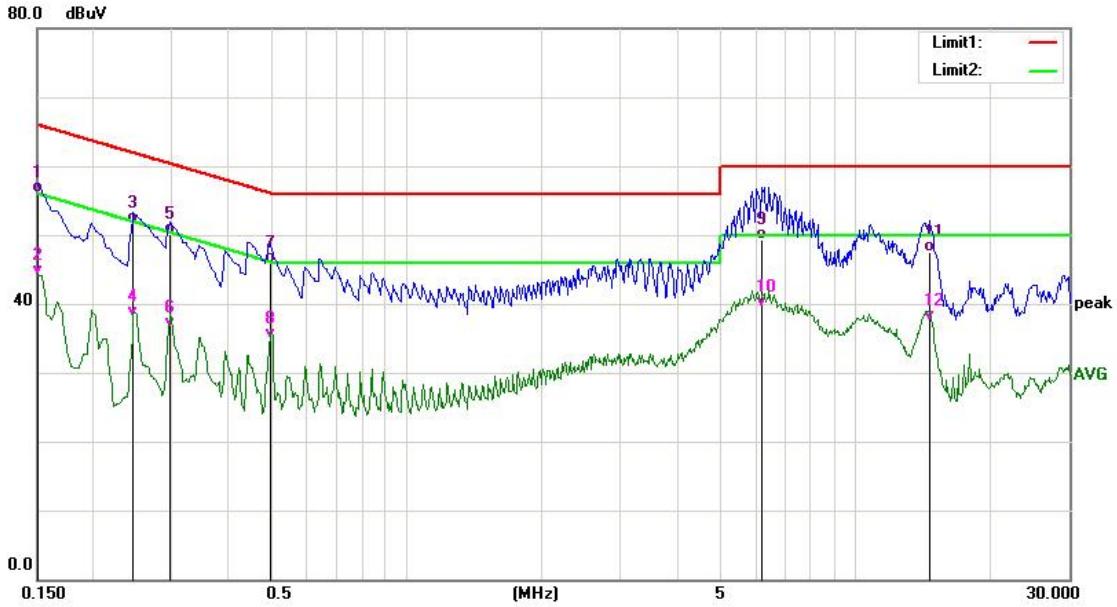
Test model: 302236
Power Source: 120Vac, 60Hz
Test in lighting mode
Peak and Average Scan:
Live:



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	46.55	9.73	56.28	66.00	-9.72	QP
2	0.1500	34.43	9.73	44.16	56.00	-11.84	AVG
3	0.1677	40.80	9.74	50.54	65.07	-14.53	QP
4	0.1677	31.29	9.74	41.03	55.07	-14.04	AVG
5	0.2460	41.96	9.83	51.79	61.89	-10.10	QP
6	0.2460	26.86	9.83	36.69	51.89	-15.20	AVG
7	0.2987	39.18	9.91	49.09	60.28	-11.19	QP
8	0.2987	26.46	9.91	36.37	50.28	-13.91	AVG
9	0.5020	33.92	10.10	44.02	56.00	-11.98	QP
10	0.5020	25.90	10.10	36.00	46.00	-10.00	AVG
11	6.6020	36.60	10.50	47.10	60.00	-12.90	QP
12	6.6020	25.68	10.50	36.18	50.00	-13.82	AVG

Test model: 302236
Power Source: 120Vac, 60Hz
Test in lighting mode
Peak and Average Scan:
Neutral:



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	46.47	9.73	56.20	66.00	-9.80	QP
2	0.1500	34.34	9.73	44.07	56.00	-11.93	AVG
3	0.2460	41.79	9.83	51.62	61.89	-10.27	QP
4	0.2460	28.19	9.83	38.02	51.89	-13.87	AVG
5	0.2980	40.17	9.91	50.08	60.30	-10.22	QP
6	0.2980	26.51	9.91	36.42	50.30	-13.88	AVG
7	0.4980	35.79	10.10	45.89	56.03	-10.14	QP
8	0.4980	24.71	10.10	34.81	46.03	-11.22	AVG
9	6.2100	38.79	10.50	49.29	60.00	-10.71	QP
10	6.2100	28.91	10.50	39.41	50.00	-10.59	AVG
11	14.6900	36.68	10.76	47.44	60.00	-12.56	QP
12	14.6900	26.67	10.76	37.43	50.00	-12.57	AVG

5.2 Radiated Emission

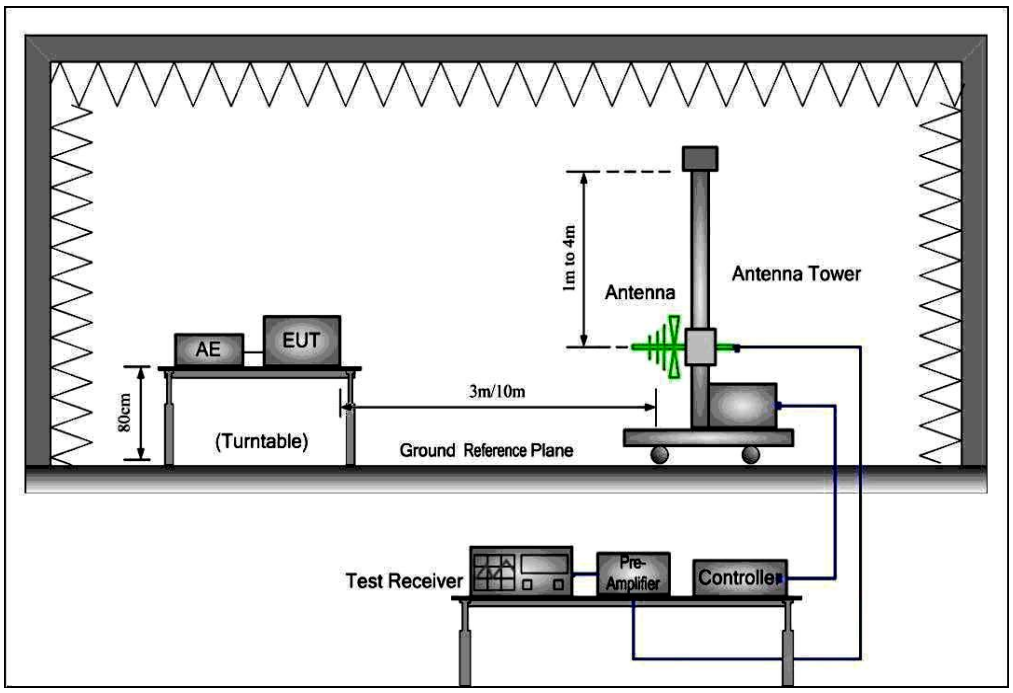
Results: **Pass**

Date of testing	:	Apr 24, 2025
Test procedure	:	ANSI C63.29:2022
Frequency range	:	30- 1000MHz
Kind of test site	:	Semi-Anechoic chamber
Limits	:	FCC PART 15 Subpart B: Class B

Test setup:

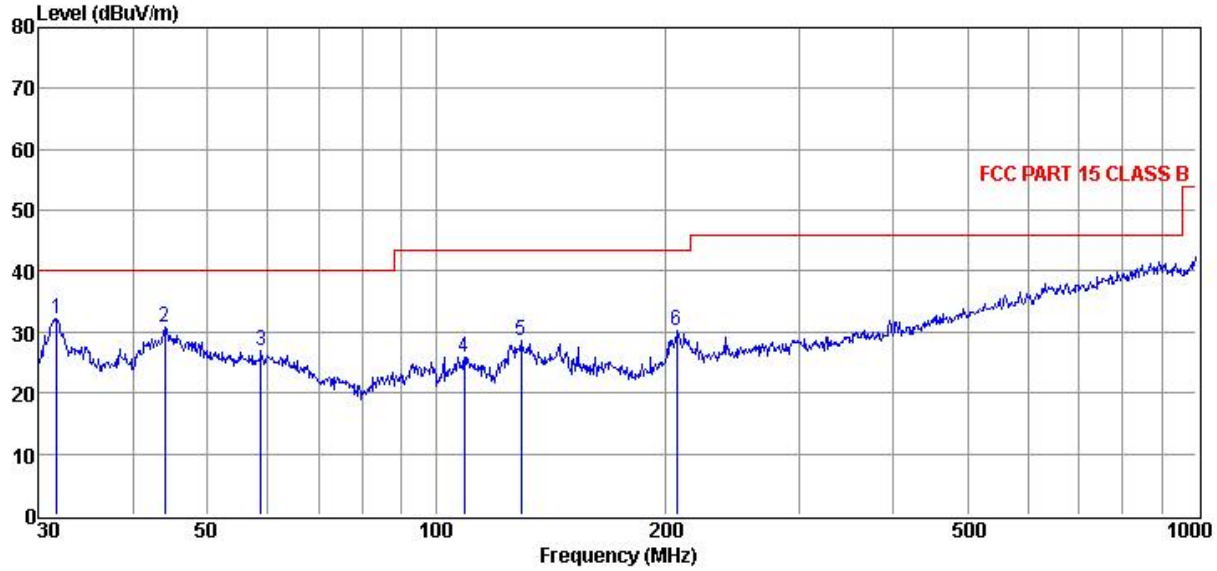
Input Voltage	:	120Vac, 60Hz
Operation Mode	:	A
Artificial Hand	:	Not applied
Earthing	:	Applied
Temperature	:	22°C
Humidity	:	56%
Air pressure	:	101KPA

Test Connection Diagram



Test model: 302236
Input Voltage: 120Vac, 60Hz
Test in lighting mode
Peak Scan:

Horizontal



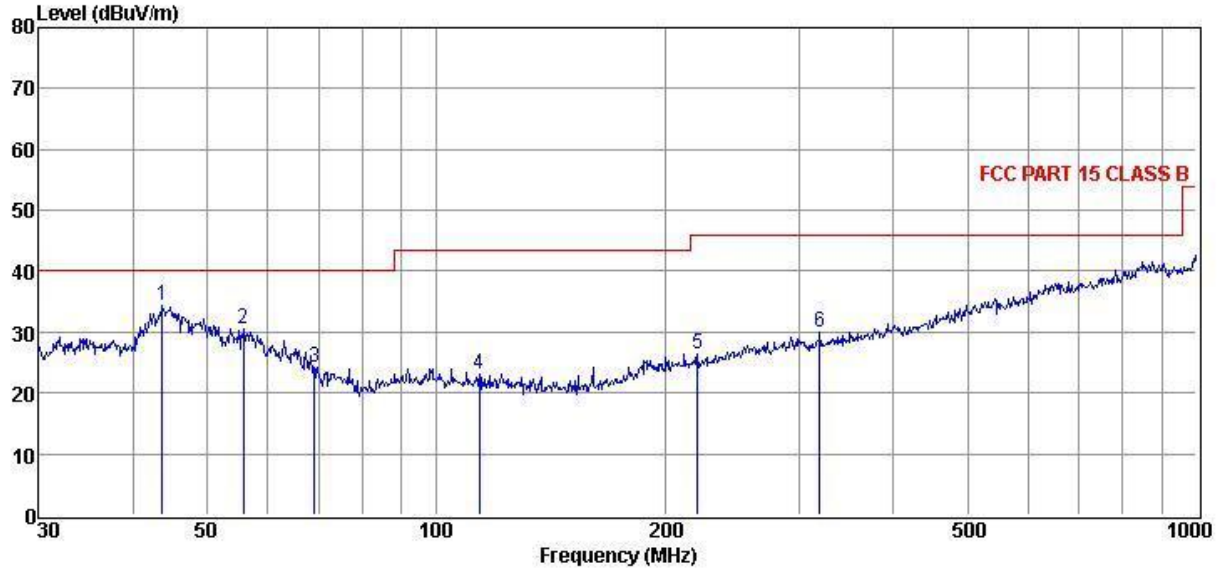
Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	31.73	20.63	11.17	0.00	0.48	32.28	40.00	-7.72	Peak	HORIZONTAL
2	43.97	13.12	16.88	0.00	0.68	30.68	40.00	-9.32	Peak	HORIZONTAL
3	58.82	13.61	12.58	0.00	0.75	26.94	40.00	-13.06	Peak	HORIZONTAL
4	109.03	12.69	12.18	0.00	1.08	25.95	43.50	-17.55	Peak	HORIZONTAL
5	129.47	19.06	8.42	0.00	1.07	28.55	43.50	-14.95	Peak	HORIZONTAL
6	207.12	17.62	10.91	0.00	1.65	30.18	43.50	-13.32	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Test model: 302236
Input Voltage: 120Vac, 60Hz
Test in lighting mode
Peak Scan:

Vertical:



Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	43.66	17.12	16.68	0.00	0.67	34.47	40.00	-5.53	Peak	VERTICAL
2	55.81	15.57	14.32	0.00	0.67	30.56	40.00	-9.44	Peak	VERTICAL
3	69.11	13.58	9.94	0.00	0.66	24.18	40.00	-15.82	Peak	VERTICAL
4	114.11	13.13	8.92	0.00	1.00	23.05	43.50	-20.45	Peak	VERTICAL
5	220.62	13.37	11.42	0.00	1.69	26.48	46.00	-19.52	Peak	VERTICAL
6	319.94	13.54	14.20	0.00	2.26	30.00	46.00	-16.00	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

6 The photos of test setting

Refer to <Setup Photos>

7 The photos of EUT

Refer to <External Photos and Internal Photos>

---End of test report---