



FCC Radio Test Report

FCC ID: 2AHCR-E12WF6

This report concerns: Original Grant

Project No. : 2602C080
Equipment : Door Phone
Brand Name : AKUVOX
Model Name : E12W
Applicant : AKUVOX (XIAMEN) NETWORKS CO., LTD.
Address : 10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China
Manufacturer : AKUVOX (XIAMEN) NETWORKS CO., LTD.
Address : 10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China
Date of Receipt : Mar. 16, 2026
Date of Test : Mar. 16, 2026 ~ Apr. 28, 2026
Issued Date : Jul. 13, 2026
Test Sample : Engineering Sample No.: DG920260316222 for conducted items, DG920260316221 for other items.
Standard(s) : FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-6-2602C080	R00	Original Report.	Jul. 13, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:

ANSI C63.10-2020

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.225(a)-(d) 15.205(a) 15.209(a)	Radiated Emission	APPENDIX B APPENDIX C	PASS	-----
15.225(e)	Frequency Tolerance	APPENDIX D	PASS	-----
15.215(c)	Bandwidth	APPENDIX E	PASS	-----
15.203	Antenna Requirement	-----	PASS	Note(2)

Note:

- (1) "N/A" denotes test is not applicable in this test report
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U , (dB)
DGDLC02	CISPR	150kHz ~ 30MHz	2.66

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U , (dB)
DGDLCB03	CISPR	9kHz ~ 30MHz	2.26

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)
DGDLCB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

C. Other Measurement test:

Test Item	Uncertainty
Frequency Tolerance	1.4 ppm
Temperature	0.7 °C
Humidity	1.7 %
Bandwidth	0.75 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	23°C	54%	DC 12V	Hayden Chen
Radiated Emissions -9kHz to 30MHz	23°C	44%	DC 12V	Hayden Chen
Radiated Emissions -30MHz to 1000MHz	24°C	47%	DC 12V	Allen Tong
Frequency Tolerance	Normal & Extreme	49%	Normal & Extreme	Jensen Zhou
Bandwidth	27°C	49%	DC 12V	Jensen Zhou

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Door Phone
Brand Name	AKUVOX
Test Model	E12W
Model Name	E12W
Model Difference(s)	N/A
Hardware Version	V1.00
Software Version	312.30.2.9
Power Source	DC Voltage supplied from AC or POE adapter (support unit).
Power Rating	12VDC, 1A from LPS of 802.3af PoE.
Operation Frequency	13.56 MHz
Antenna Type	Loop Antenna

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

Test Channel	Test Frequency (MHz)
01	13.56

3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX Mode_ 13.56MHz

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

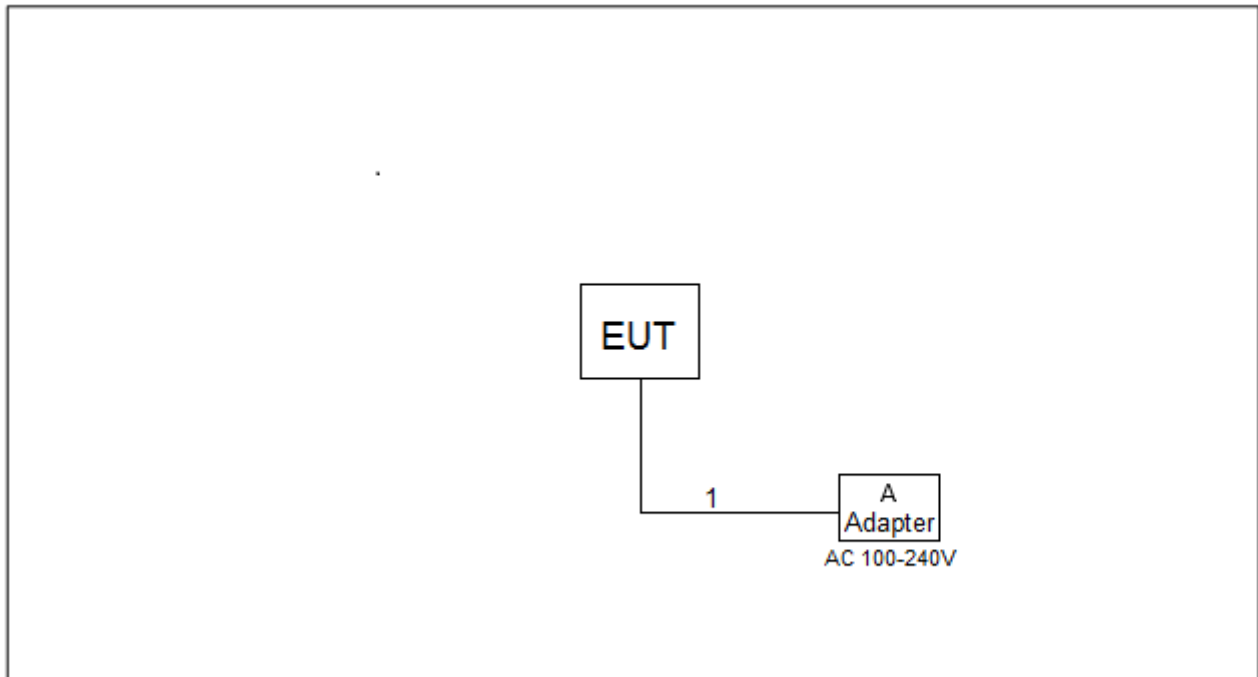
AC power line conducted emissions test	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

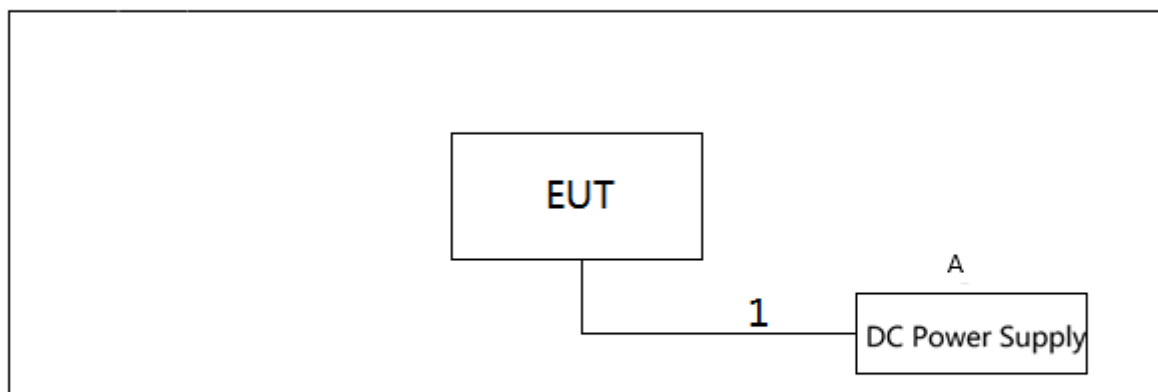
Conducted test	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

For AC Power Line conducted emission



For radiated emission



3.4 SUPPORT UNITS

For AC Power Line conducted emission

Item	Equipment	Brand	Model No.	Series No.
A	Adapter	N/A	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m

For radiated emission

Item	Equipment	Brand	Model No.	Series No.
A	DC power supply	UNI-T	UDP6721	AWP7224050031

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.8m

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT Test Photos.

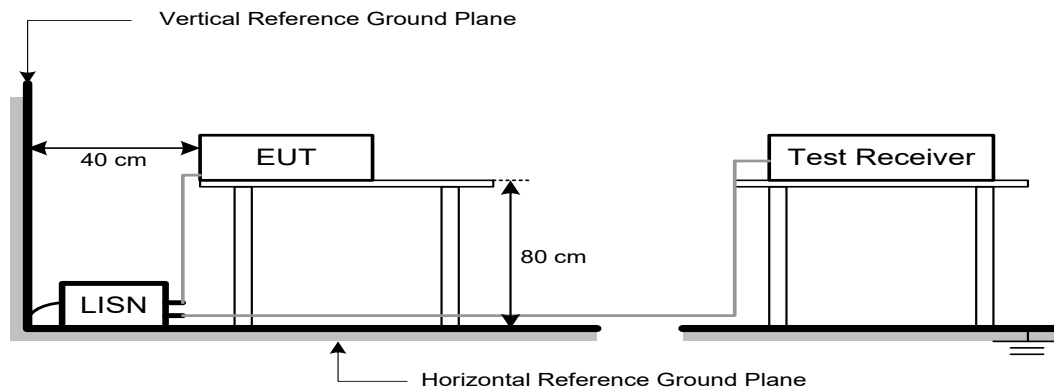
The following table is the setting of the receiver

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting data or hopping on mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform in this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.

5. RADIATED EMISSION

5.1 LIMIT

§15.225 (a)

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

§15.225 (b)

Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

§15.225 (c)

Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

§15.225 (d)

The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

§15.209 (a)

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

5.2 TEST PROCEDURE

The test set-up was made in accordance to the general provisions of ANSI C63.10-2020. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector

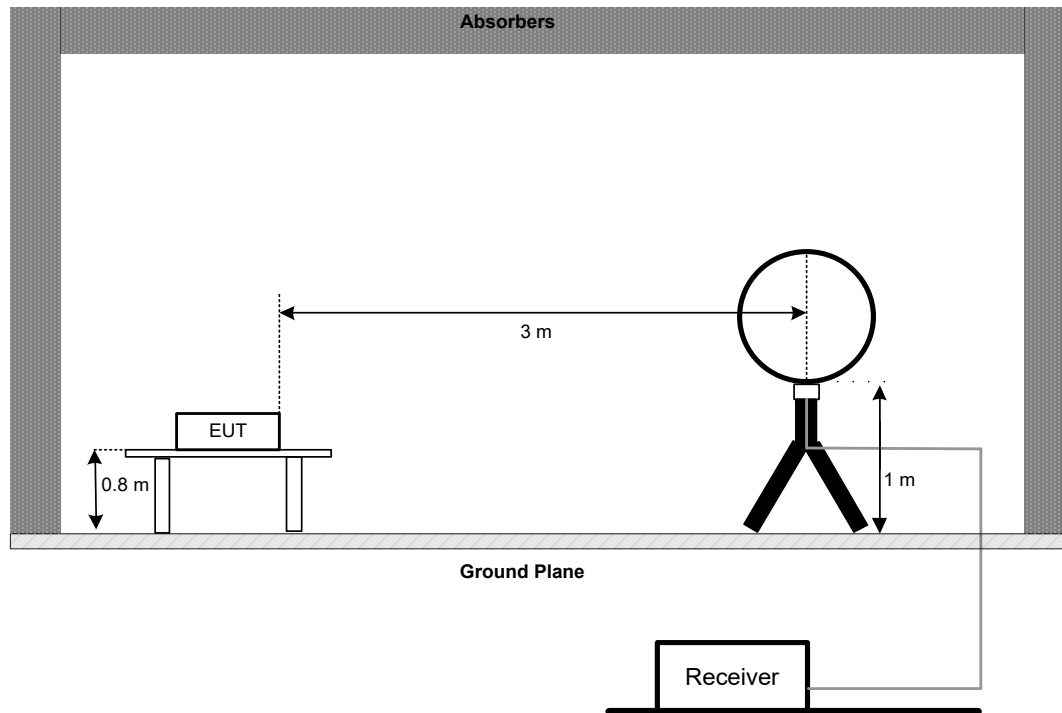
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

5.3 DEVIATION FROM TEST STANDARD

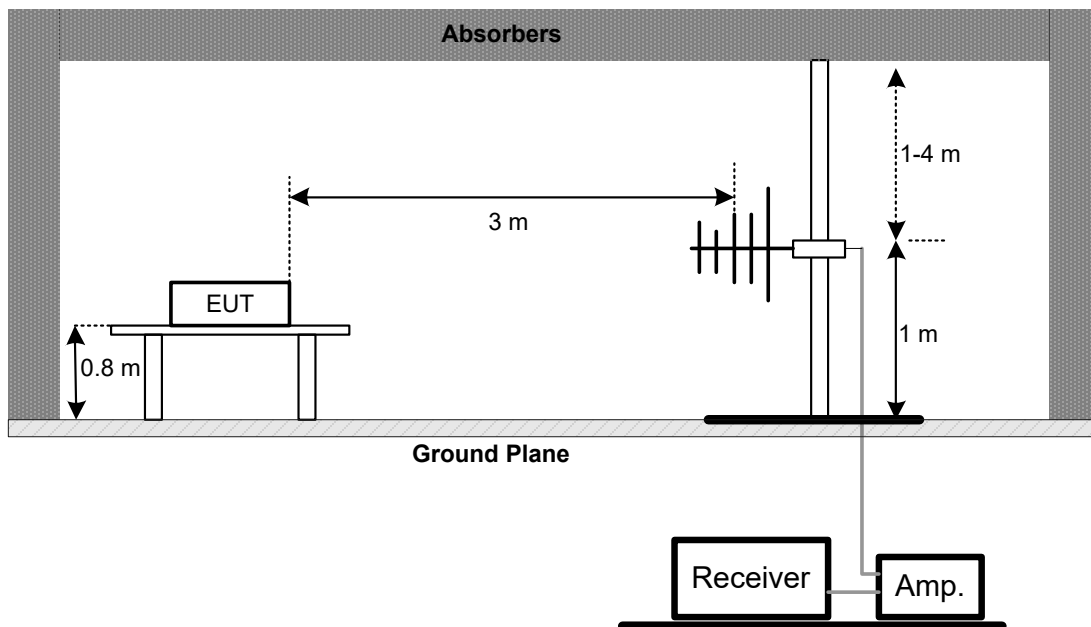
No deviation.

5.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 kHz TO 30 MHz

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

5.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

6. FREQUENCY TOLERANCE

6.1 LIMIT

Section	Test Item	Limit
FCC 15.225(e)	Frequency Tolerance	± 1.356 kHz

6.2 TEST PROCEDURE

- The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+ 50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.
- Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	100 kHz
RBW	10 kHz
VBW	30 kHz
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

Please refer to the APPENDIX D.

7. BANDWIDTH TEST

7.1 LIMIT

Section	Test Item	Limit
15.215(c)	20 dB Bandwidth	-

7.2 TEST PROCEDURE

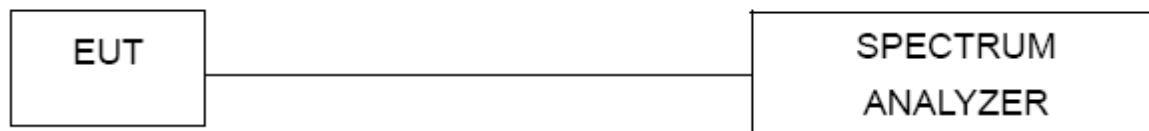
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	100 kHz
RBW	10 kHz
VBW	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX E.

8. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions (Test Date: Apr. 28, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Nov. 21, 2026
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Nov. 21, 2026
3	BTL RE System	BTL	BTL RE System	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Jul. 08, 2026
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz (Test Date: Apr. 16, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 14, 2027
2	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2026
3	Cable	RegalWay	LMR400-NMNM-6m	N/A	Apr. 26, 2026
4	Cable	RegalWay	LMR400-NMRANM-3.5m	N/A	Apr. 26, 2026
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	CM	9*6*6	N/A	May 15, 2026
7	DC power supply	UNI-T	UDP6721	AWP7224050031	Nov. 21, 2026

Radiated Emissions - 30 MHz to 1 GHz (Test Date: Apr. 16, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 07, 2026
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 07, 2026
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 17, 2026
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jun. 04, 2026
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jun. 04, 2026
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jun. 04, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2026
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 15, 2026
11	DC power supply	UNI-T	UDP6721	AWP7224050031	Nov. 21, 2026

Frequency Tolerance (Test Date: Apr. 03, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2026
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	Cable	RegalWay	RWP50-402-SMSM -1M	N/A	N/A
5	Desktop Constant Temperature Chamber	BELL	BTH-50C	20170306001	Dec. 19, 2026
6	DC power supply	UNI-T	UDP6721	AWP7224050031	Nov. 21, 2026

Bandwidth (Test Date: Apr. 03, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2026
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	DC power supply	UNI-T	UDP6721	AWP7224050031	Nov. 21, 2026

Remark "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

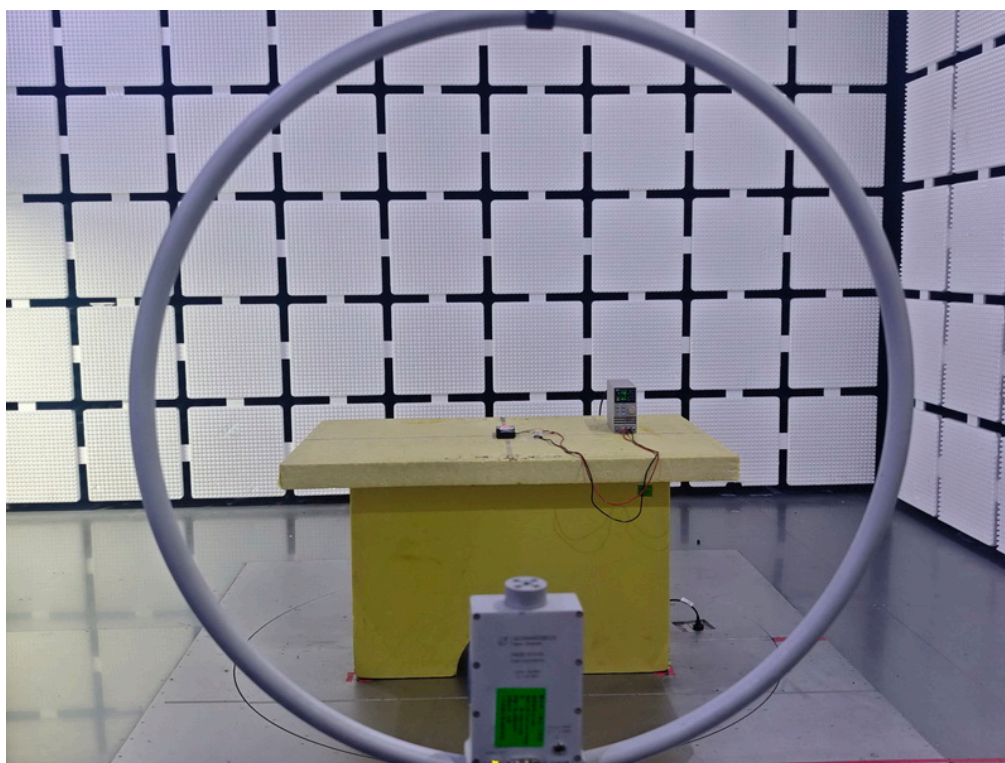
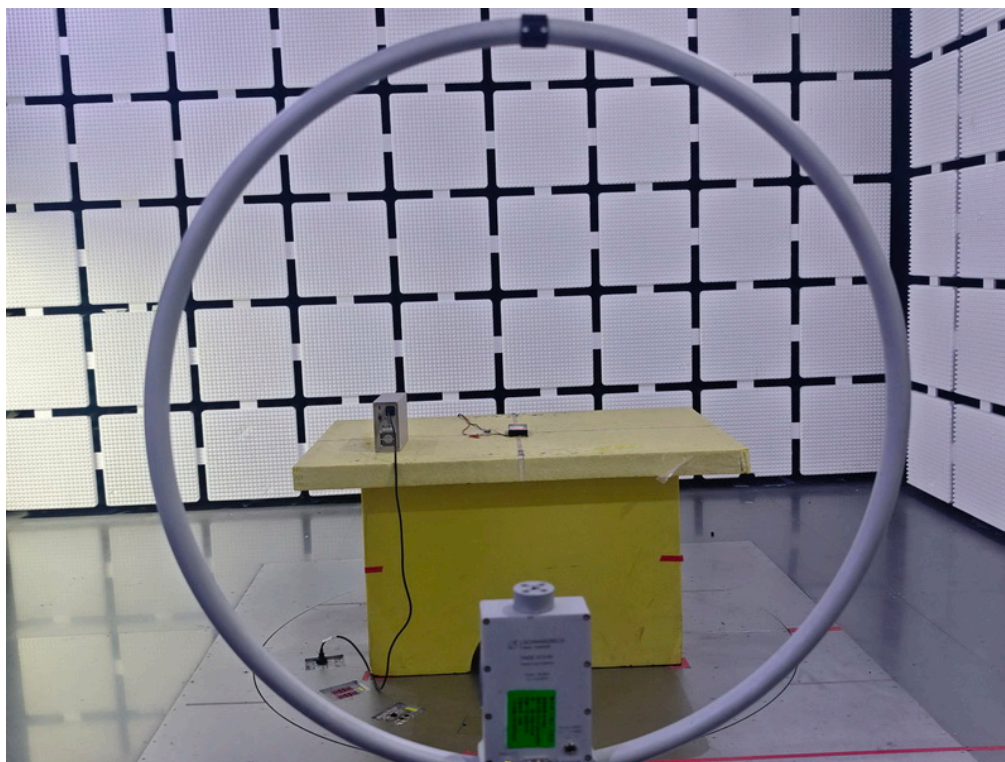
9. EUT TEST PHOTO

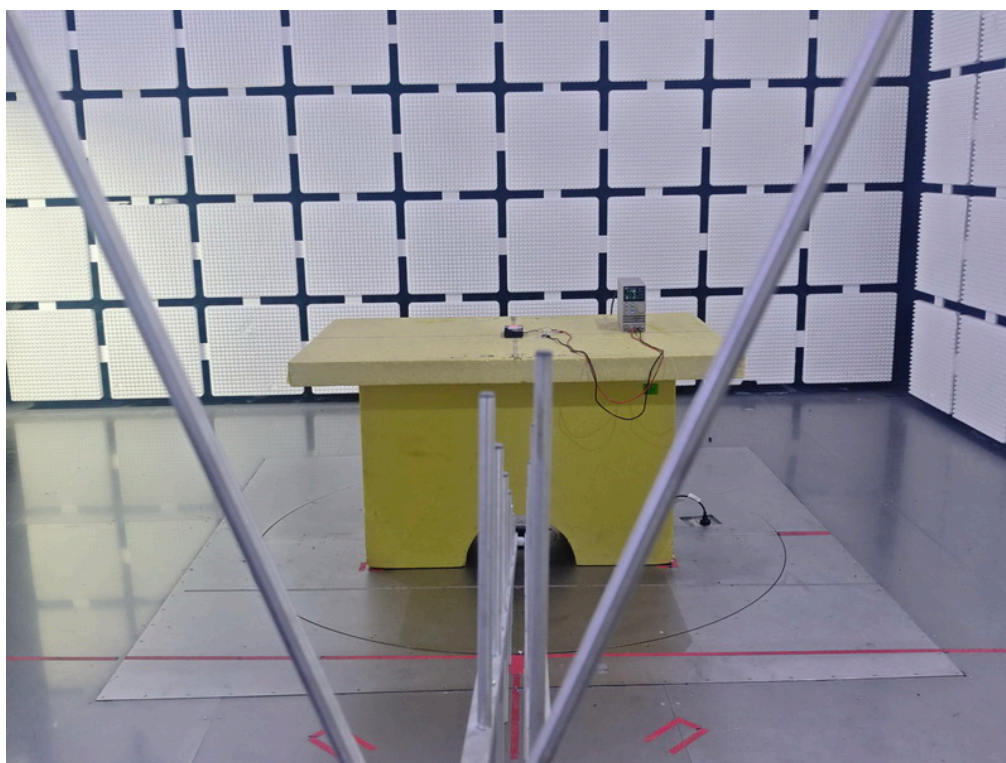
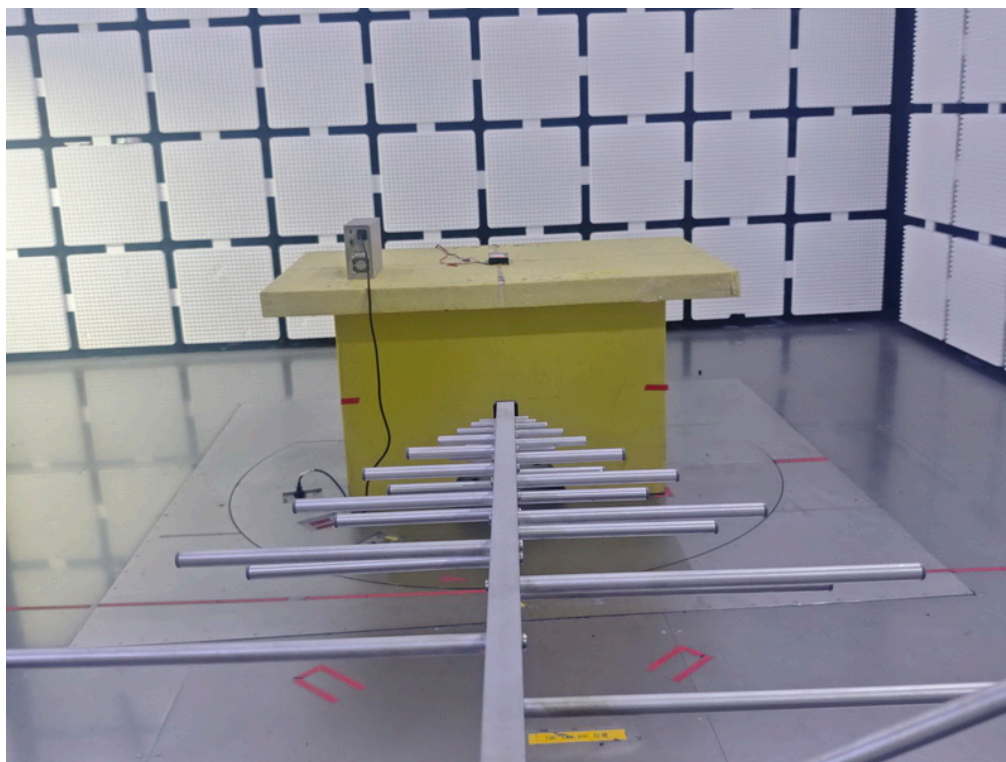
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

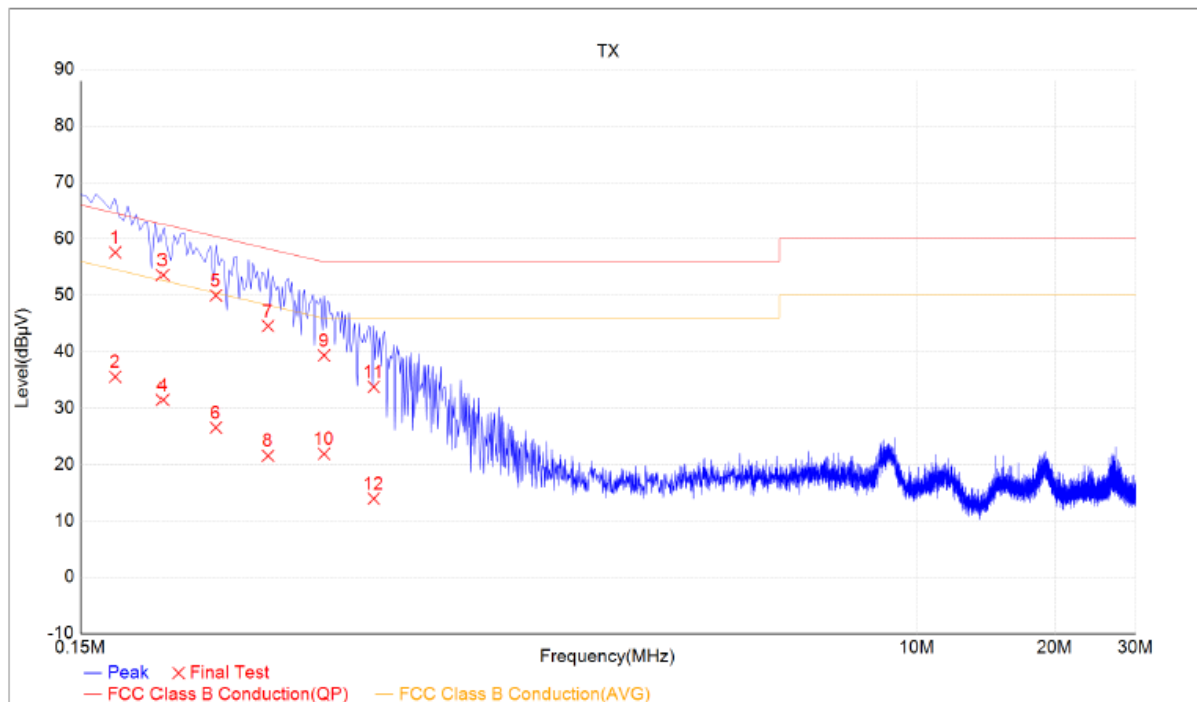
9 kHz to 30 MHz



Radiated Emissions Test Photos**30 MHz to 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX Mode_13.56MHz	Phase	Line
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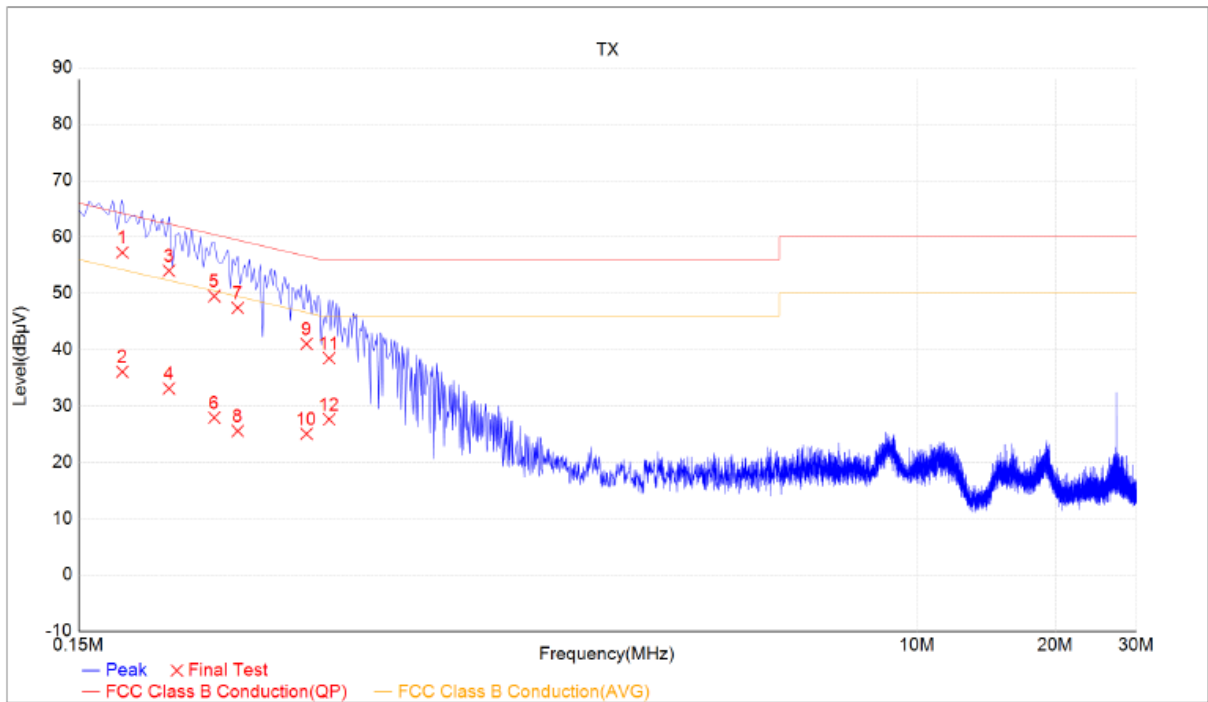


Suspected Note List									
	NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content
*	1	0.1784	47.82	9.77	57.59	64.58	-6.99	QP	
	2	0.1784	25.78	9.77	35.55	54.58	-19.03	AVG	
	3	0.2255	43.78	9.8	53.58	62.6	-9.02	QP	
	4	0.2255	21.64	9.8	31.44	52.6	-21.15	AVG	
	5	0.2937	40.13	9.84	49.97	60.41	-10.44	QP	
	6	0.2937	16.71	9.84	26.55	50.41	-23.86	AVG	
	7	0.3818	34.69	9.86	44.55	58.24	-13.68	QP	
	8	0.3818	11.69	9.86	21.55	48.24	-26.68	AVG	
	9	0.5059	29.43	9.89	39.32	56	-16.68	QP	
	10	0.5059	11.99	9.89	21.88	46	-24.12	AVG	
	11	0.6495	23.85	9.91	33.76	56	-22.24	QP	
	12	0.6495	4.02	9.91	13.93	46	-32.07	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_13.56MHz	Phase	Neutral
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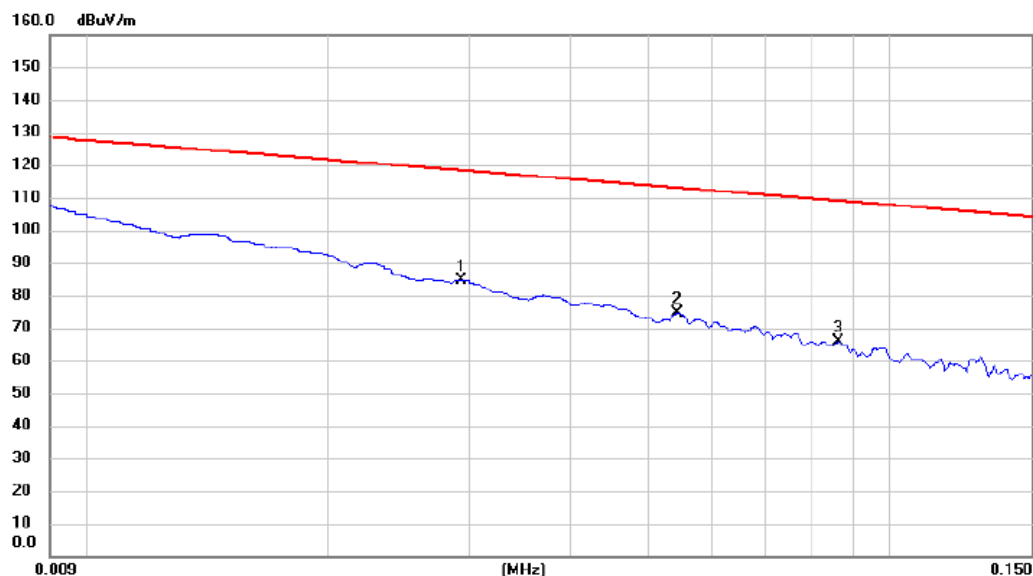
Suspected Note List									
	NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content
*	1	0.1865	47.49	9.77	57.25	64.21	-6.96	QP	
	2	0.1865	26.32	9.77	36.08	54.21	-18.13	AVG	
	3	0.2338	44.22	9.77	53.99	62.31	-8.32	QP	
	4	0.2338	23.32	9.77	33.09	52.31	-19.21	AVG	
	5	0.2936	39.7	9.79	49.49	60.41	-10.92	QP	
	6	0.2936	18.14	9.79	27.93	50.41	-22.49	AVG	
	7	0.3302	37.6	9.8	47.4	59.45	-12.05	QP	
	8	0.3302	15.75	9.8	25.55	49.45	-23.9	AVG	
	9	0.4662	31.2	9.8	41.01	56.58	-15.58	QP	
	10	0.4662	15.25	9.8	25.05	46.58	-21.53	AVG	
	11	0.5224	28.65	9.81	38.46	56	-17.54	QP	
	12	0.5224	17.79	9.81	27.61	46	-18.39	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX Mode_13.56MHz	Polarization	Ant 0°
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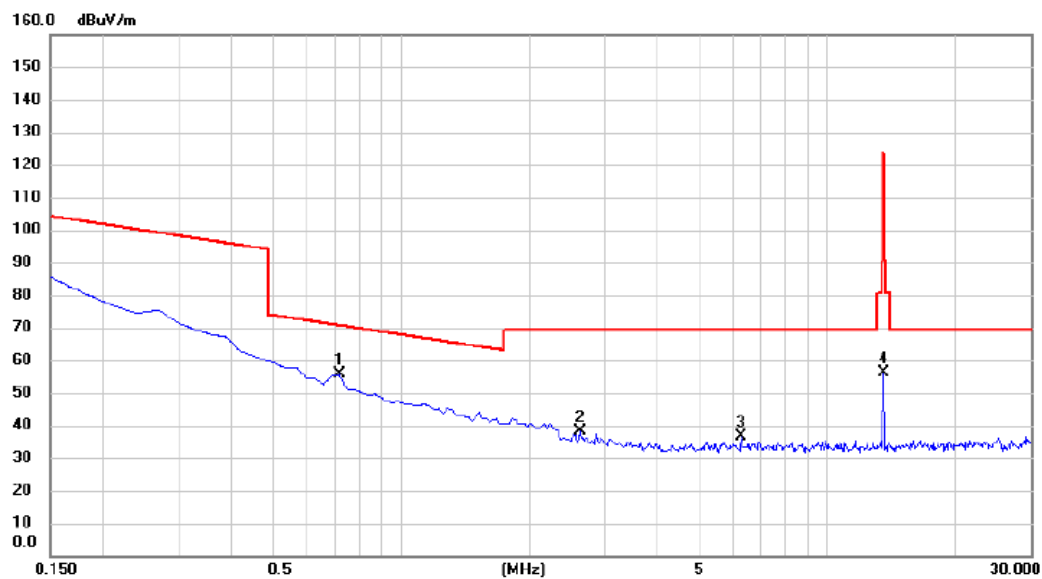


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.029	64.23	20.55	84.78	118.31	-33.53	peak	
2		0.054	53.90	20.63	74.53	112.97	-38.44	peak	
3		0.086	45.19	20.54	65.73	109.00	-43.27	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_13.56MHz	Polarization	Ant 0°
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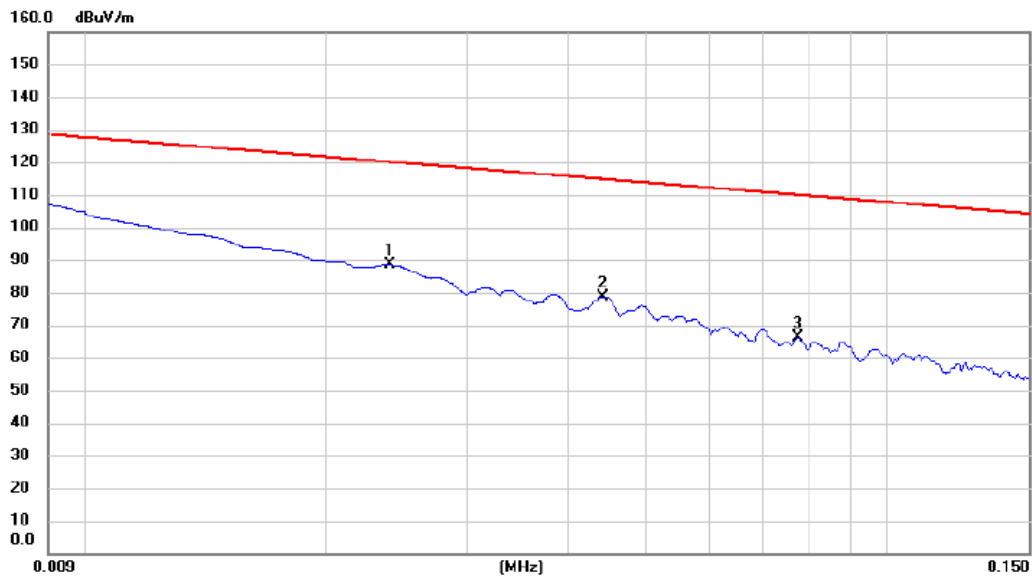


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.717	35.12	20.49	55.61	70.71	-15.10	peak	
2		2.627	18.05	20.32	38.37	69.50	-31.13	peak	
3		6.269	16.13	20.37	36.50	69.50	-33.00	peak	
4		13.553	35.85	20.33	56.18	90.50	-34.32	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_13.56MHz	Polarization	Ant 90°
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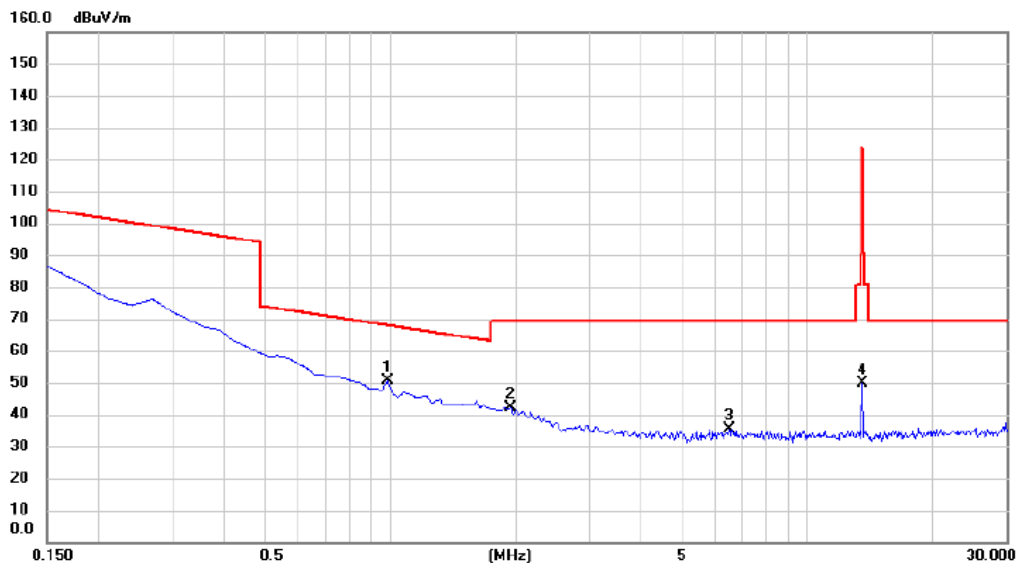


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.024	67.91	20.63	88.54	120.03	-31.49	peak	
2		0.044	58.19	20.61	78.80	114.76	-35.96	peak	
3		0.077	45.56	20.55	66.11	109.93	-43.82	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_13.56MHz	Polarization	Ant 90°
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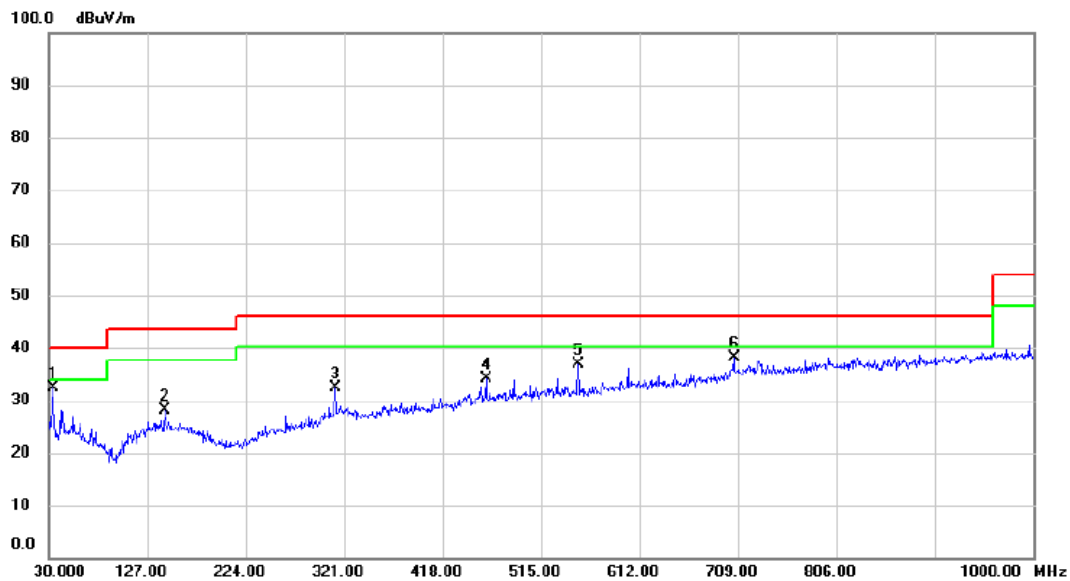
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.986	30.46	20.04	50.50	67.96	-17.46	peak	
2		1.941	21.86	20.29	42.15	69.50	-27.35	peak	
3		6.508	15.10	20.38	35.48	69.50	-34.02	peak	
4		13.553	29.44	20.33	49.77	90.50	-40.73	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX Mode_13.56MHz	Polarization	Vertical
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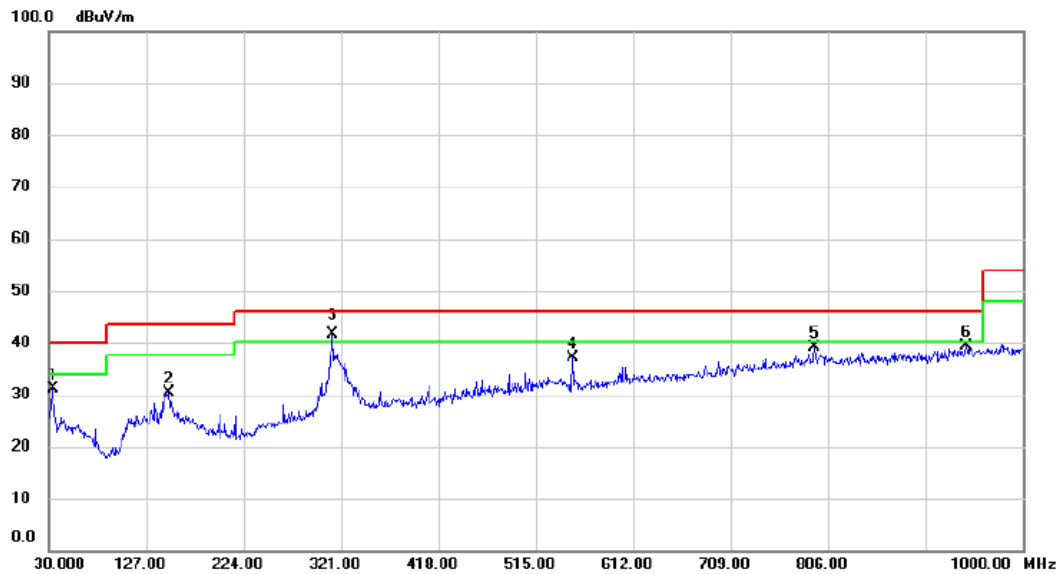
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	33.880	44.89	-12.43	32.46	40.00	-7.54	peak	
2		144.460	38.99	-10.92	28.07	43.52	-15.45	peak	
3		312.270	41.65	-9.36	32.29	46.02	-13.73	peak	
4		460.680	40.10	-5.91	34.19	46.02	-11.83	peak	
5		551.860	41.50	-4.68	36.82	46.02	-9.20	peak	
6		705.120	39.99	-1.78	38.21	46.02	-7.81	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_13.56MHz	Polarization	Horizontal
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	33.880	43.59	-12.43	31.16	40.00	-8.84	peak	
2	149.310	41.00	-10.64	30.36	43.52	-13.16	peak	
3 *	312.270	51.07	-9.36	41.71	46.02	-4.31	QP	
4	551.860	41.82	-4.68	37.14	46.02	-8.88	peak	
5	792.420	39.48	-0.30	39.18	46.02	-6.84	peak	
6	943.740	38.13	1.27	39.40	46.02	-6.62	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - FREQUENCY TOLERANCE

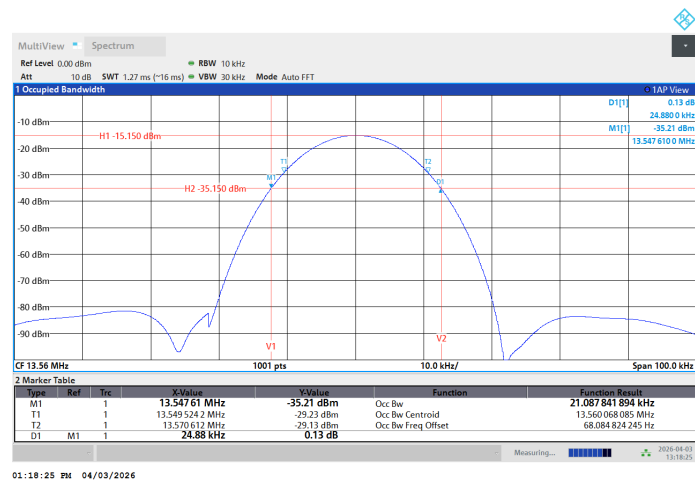
Test Mode	TX Mode_ 13.56MHz
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Frequency Tolerance Versus Environmental Temperature						
	Temperature	Voltage	Frequency	Frequency Error	Limit	Result
	(°C)	(V)	(MHz)	(kHz)	(kHz)	
0min	50	12	13.5601	0.0001	+/- 1.356	PASS
	-20	12	13.5601	0.0001	+/- 1.356	PASS
2min	50	12	13.56	0	+/- 1.356	PASS
	-20	12	13.5601	0.0001	+/- 1.356	PASS
5min	50	12	13.56	0	+/- 1.356	PASS
	-20	12	13.5601	0.0001	+/- 1.356	PASS
10min	50	12	13.56	0	+/- 1.356	PASS
	-20	12	13.5601	0.0001	+/- 1.356	PASS
Frequency Tolerance Versus Input Voltage						
	Temperature	Voltage	Frequency	Frequency Error	Limit	Result
	(°C)	(V)	(MHz)	(kHz)	(kHz)	
	20	12	13.56	0	+/- 1.356	PASS
	20	10.2	13.56	0	+/- 1.356	PASS
	20	13.8	13.56	0	+/- 1.356	PASS

APPENDIX E - BANDWIDTH

Test Mode	TX Mode_13.56MHz
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Frequency (MHz)	20 dB Bandwidth (MHz)	Result
13.56	0.02488	Complies



End of Test Report