



FCC Radio Test Report

FCC ID: RNE06050MTX

This report concerns: Original Grant

Project No. : 2410C385
Equipment : OUTDOOR SENSOR
Brand Name : ACURITE
Model Name : 06050M
Applicant : Chaney Instrument Co.
Address : Unit No. 1, 9/F., Clifford Centre, No. 782 Cheung Sha Wan Road,
Kowloon, Hong Kong China
Manufacturer : Chaney Instrument Co.
Address : Unit No. 1, 9/F., Clifford Centre, No. 782 Cheung Sha Wan Road,
Kowloon, Hong Kong China
Factory : Chaney Instrument Co.
Address : Unit No. 1, 9/F., Clifford Centre, No. 782 Cheung Sha Wan Road,
Kowloon, Hong Kong China
Date of Receipt : Nov. 07, 2024
Date of Test : Nov. 11, 2024 ~ Nov. 28, 2024
Issued Date : Aug. 07, 2026
Test Sample : Engineering Sample No.: DG2024110776
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 manufacturer'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**.

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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-1-2410C385	R00	Original Report.	Jun. 08, 2026	Invalid
BTL-FCCP-1-2410C385	R01	It is a revision of the report BTL-FCCP-1-2410C385 R00, with the following revisions: a. Although the data is over 12 months old, we have verified that it has not deteriorated. b. Corrected the characters on page 9. c. Modified the modulation type to ASK. d. Modified the antenna type to wire antenna. This is a newly released report, replacing the BTL-FCCP-1-2410C385 R00 report.	Aug. 07, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:
ANSI C63.10-2013

Remark: Although the data is over 12 months old, we have verified that it has not deteriorated.

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	-----
15.205 15.209 15.231(e)	Radiated Emission	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.231(c)	20 dB Spectrum Bandwidth	APPENDIX E	PASS	-----
15.231(e)	Timing Testing	APPENDIX F	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_i (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U_i (dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.70

Test Site	Method	Measurement Frequency Range	Ant. H / V	U_i (dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	U_i (dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	0.90 %
Temperature	0.8 °C
Humidity	2.2 %

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	Test Date
AC Power Line Conducted Emissions	25°C	48%	AC 120V/60Hz	Hayden Chen	Nov. 15, 2024
Radiated Emissions- □kHz to 30 MHz	26°C	47%	AC 120V/60Hz	Hayden Chen	Nov. 14, 2024
Radiated Emissions- 30MHz to 1000MHz	22°C	50%	AC 120V/60Hz	Allen Tong	Nov. 14, 2024
Radiated Emissions- Above 1000MHz	22°C	50%	AC 120V/60Hz	Allen Tong	Nov. 14, 2024
20 dB Spectrum Bandwidth	25°C	52%	AC 120V/60Hz	Arvin Tong	Nov. 20, 2024
Timing Testing	24°C	51%	AC 120V/60Hz	Arvin Tong	Nov. 28, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	OUTDOOR SENSOR
Brand Name	ACURITE
Test Model	06050M
Series Model	06050M
Model Difference(s)	N/A
Power Source	1# DC Voltage supplied from AC adapter. Model:CD06-0500100U 2# Supplied from (2*AA)x2 battery
Power Rating	1# I/P: 100-240V~ 50/60Hz Max. 250mA O/P: 5.0V $\overline{\text{---}}$ 100mA 2# DC 3V
Operation Frequency	433.92MHz
Modulation Type	ASK
Field Strength	71.00 dB μ V/m

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

EUT Test Channel	Test Frequency (MHz)
CH01	433.92

3. Table for Filed Antenna:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Wire antenna	N/A	2

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_433.92MHz

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

AC Power Line Conducted Emissions	
Final Test Mode	Description
Mode 1	TX Mode_433.92MHz

Radiated Emissions test - Below 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_433.92MHz

Radiated Emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_433.92MHz

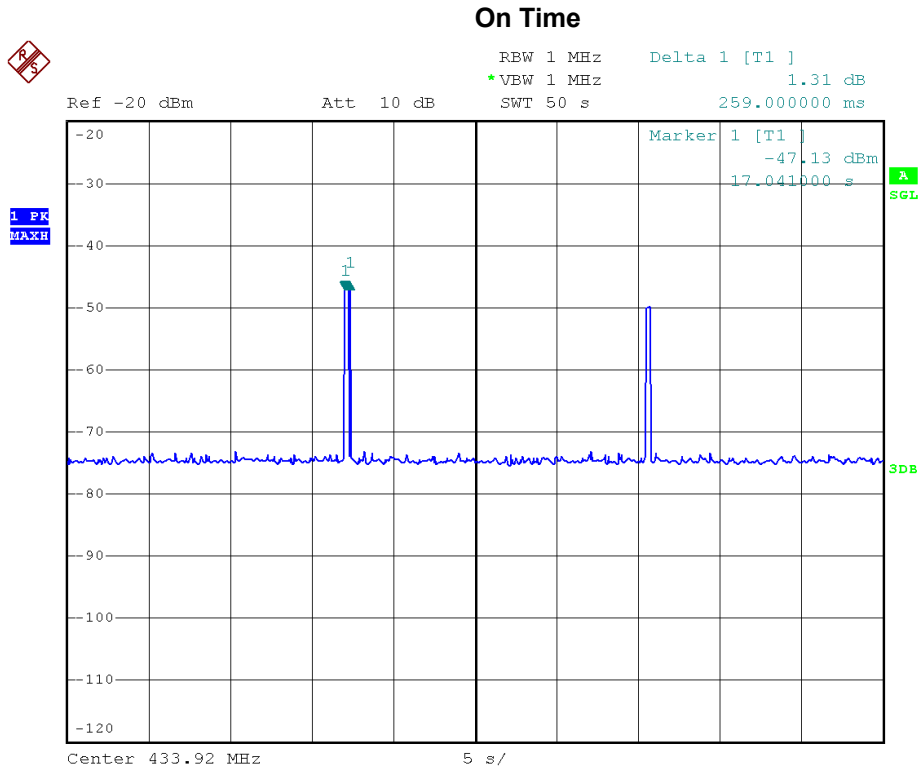
Conducted test	
Final Test Mode	Description
Mode 1	TX Mode_433.92MHz

3.3 DUTY CYCLE

Test Frequency (MHz)	On Time (ms)	Total Time (ms)	Duty Cycle (%)
433.92	259	17041	1.52%

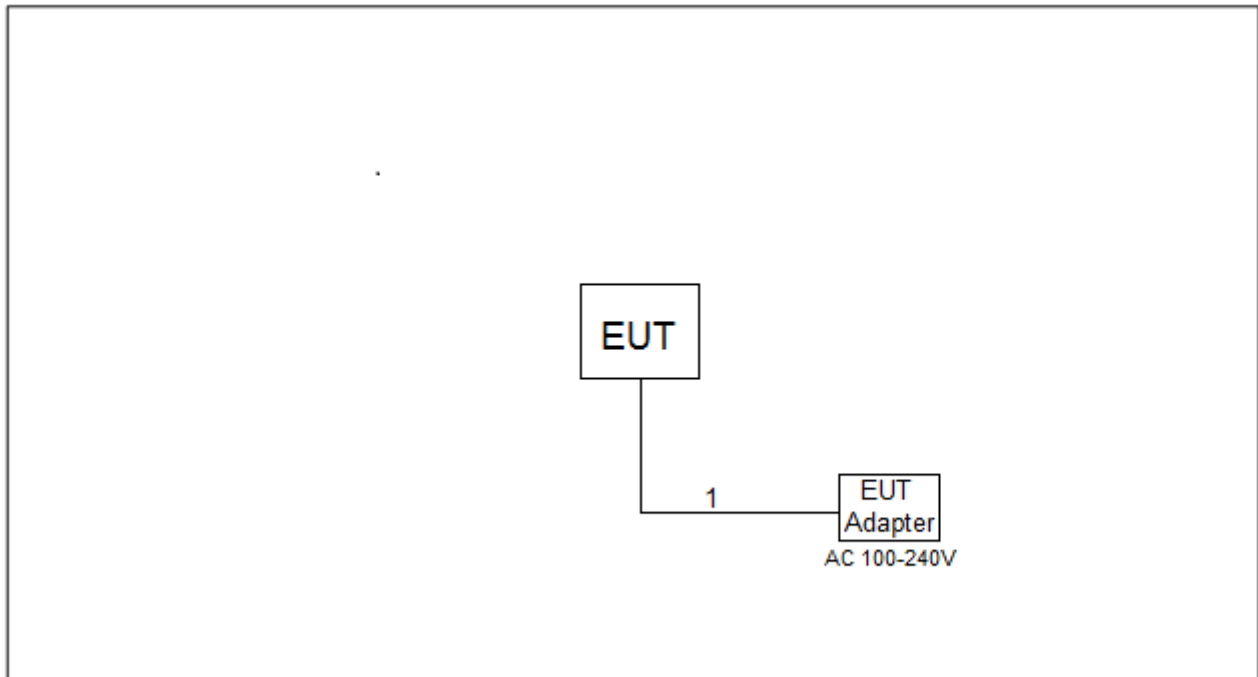
Average Reading = Peak Reading (dBuV/m) + 20log (Duty cycle)

Average Reading = Peak+20*log (Duty Cycle) = Peak-16.36



Date: 28.NOV.2024 11:21:43

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
-	-	-	-	-

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

3.6 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

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.

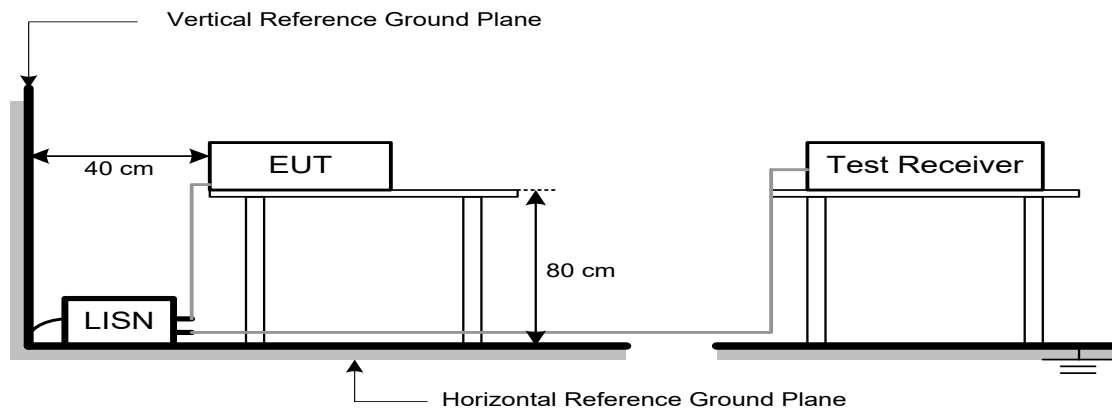
The following table is the setting of the receiver:

Receiver Parameters	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

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSION

5.1 LIMIT

Frequency Band (MHz)	Fundamental Emissions Limit($\mu\text{V/m}$) at 3m
40.66-40.70	1000
70-130	500
130-174	500-1500(Note1)
174-260	1500
260-470	1500-5000(Note1)
Above 470	5000

Frequency Band (MHz)	Spurious Emissions Limit($\mu\text{V/m}$) at 3m (Note2)
40.66-40.70	100
70-130	50
130-174	50-150(Note1)
174-260	150
260-470	150-500(Note1)
Above 470	500

Note:

- 1) Linear interpolations, the formulas for calculating the maximum permitted fundamental field strengths are as follows:
 - a) For the band 130 - 174 MHz, $\mu\text{V/m}$ at 3 meters = $22.72727 \times (\text{operating frequency, MHz}) - 2454.545$;
 - b) For the band 260 - 470 MHz, $\mu\text{V/m}$ at 3 meters = $16.6667 \times (\text{operating frequency, MHz}) - 2833.3333$.

So the field strength of emission limits has been calculated in below table.

Carrier Frequency (MHz)	Fundamental Emissions Limit($\text{dB}\mu\text{V/m}$) at 3m
433.92 MHz	72.87 (Average)
433.92 MHz	92.87 (Peak)

- 2) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in 15.209, whichever limit permits a higher field strength.

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

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

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

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 Parameter	Setting
Attenuation	Auto
Center Frequency	Fundamental Frequency
RBW	120 kHz
Detector	Peak / Average

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 1MHz for Peak, AV Mode with Dwell time

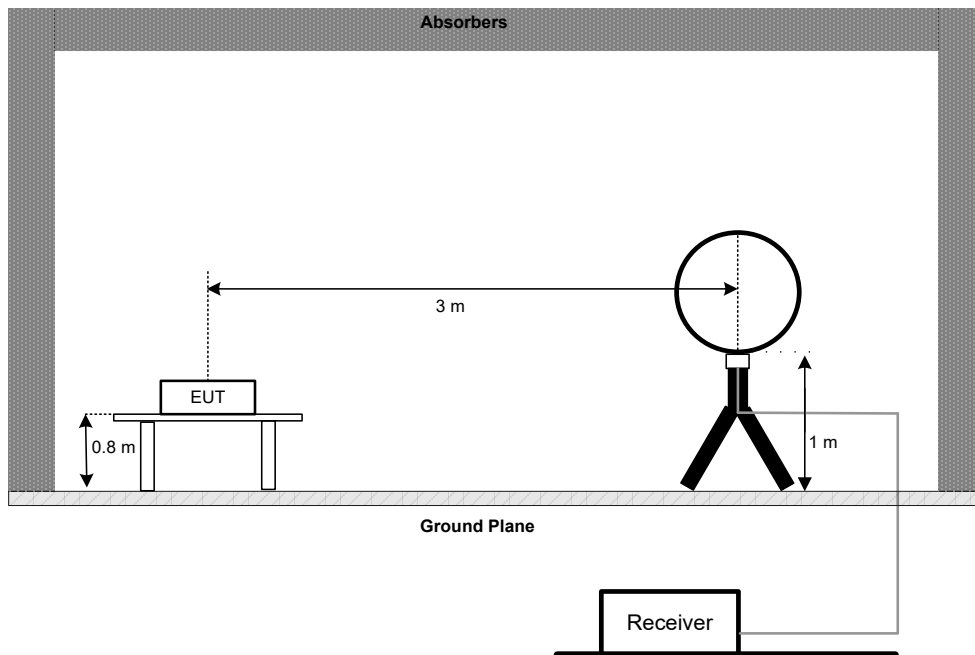
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~6 GHz for PK/AVG detector
Start ~ Stop Frequency	431.92 MHz~435.92 MHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

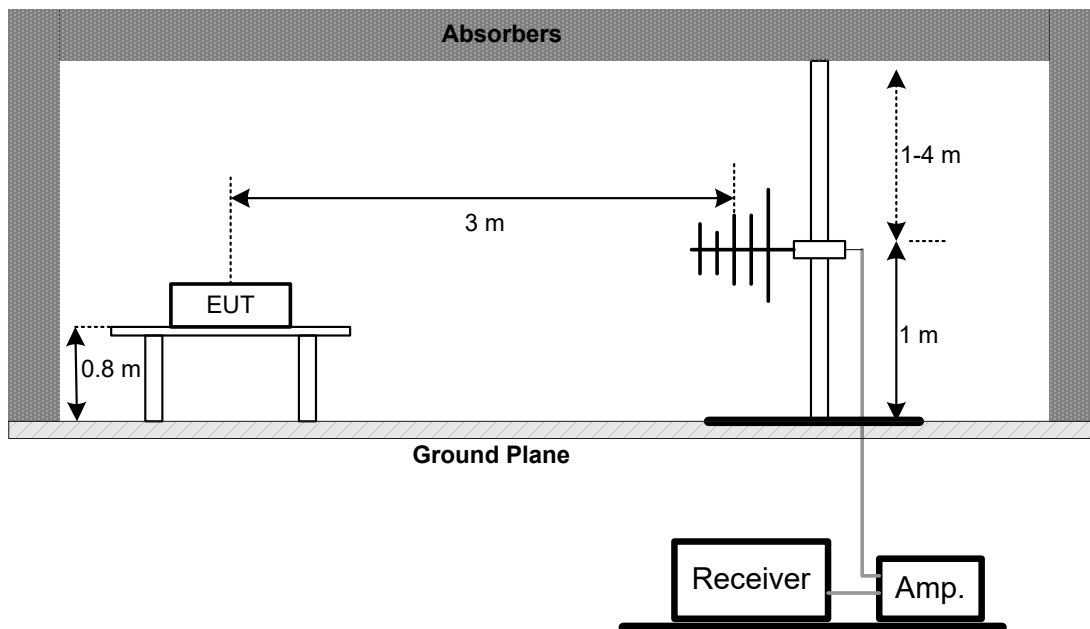
No deviation.

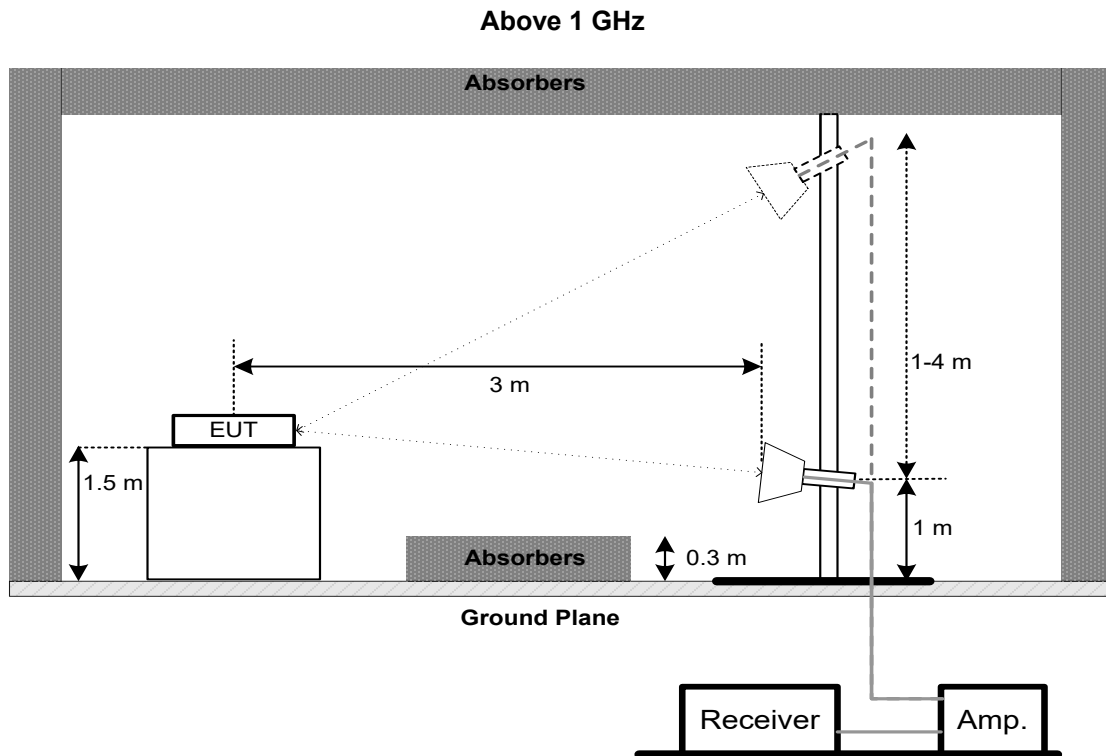
5.4 TEST SETUP

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.

5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

6. 20 DB SPECTRUM BANDWIDTH MEASUREMENT

6.1 LIMIT

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

6.2 TEST PROCEDURE

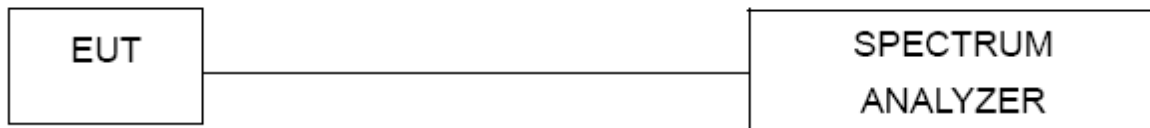
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	> 20dB Bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. TIMING TESTING

7.1 LIMIT

Devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	Zero Span
RBW	1 MHz
VBW	1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	On Time: 50s Off Time: 50s

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 F.

8. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 22, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 27, 2024
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW4950-3.8A-NMS M-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8 M	N/A	Sep. 09, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 31, 2025
4	Cable	RegalWay	LMR400-NMNM-12 .5m	N/A	Jun. 06, 2025
5	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jun. 06, 2025
6	Cable	RegalWay	LMR400-NMNM-0. 5m	N/A	Jun. 06, 2025
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
9	Positioning Controller	MF	MF-7802	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 29, 2025
3	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Jul. 03, 2025
5	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Jul. 03, 2025
7	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
8	Filter	COM-MW	ZHPF-M1-13G-W1 02	N/A	May 31, 2025
9	Positioning Controller	MF	MF-7802	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

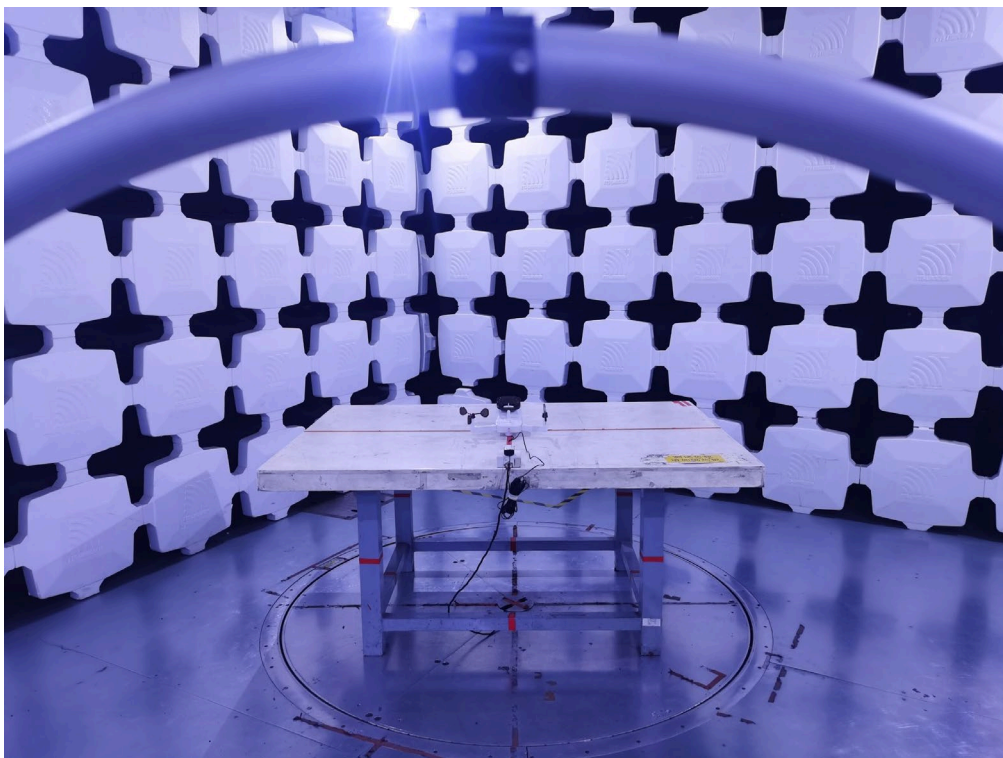
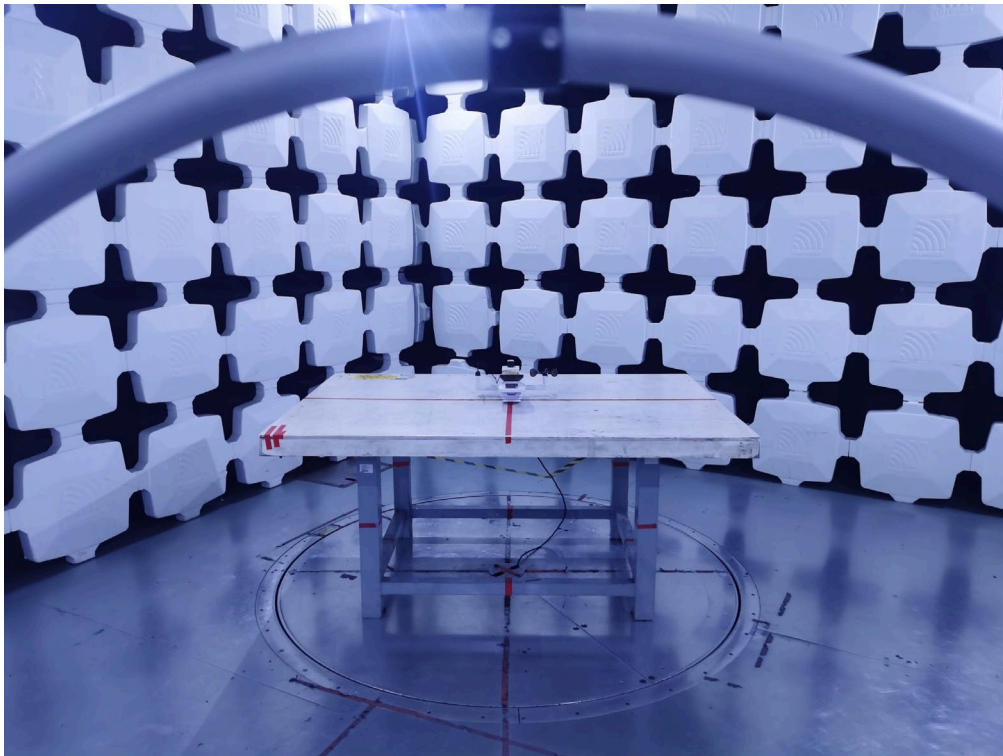
20 dB Spectrum Bandwidth & Timing Testing					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 31, 2025
2	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
3	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

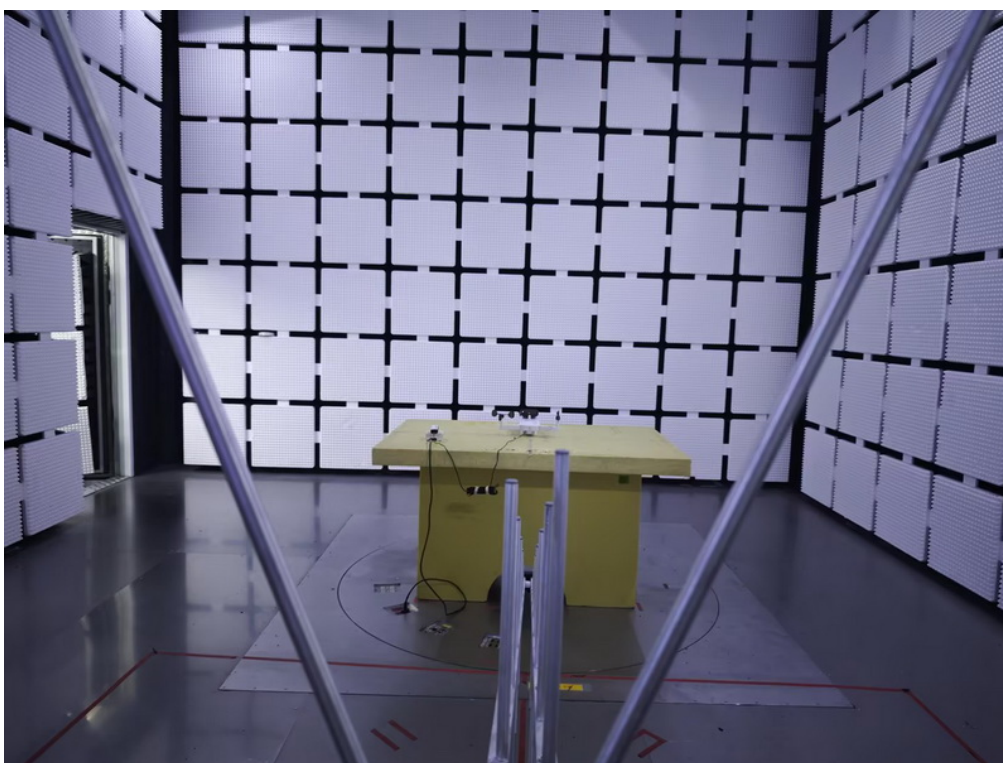
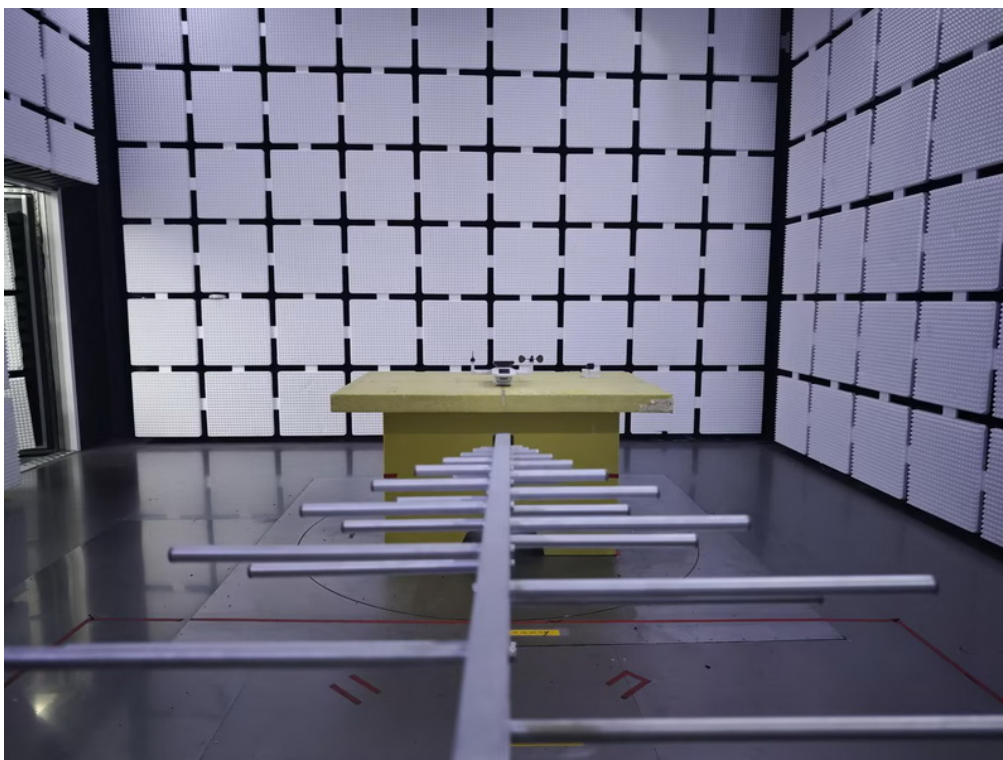
Remark "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

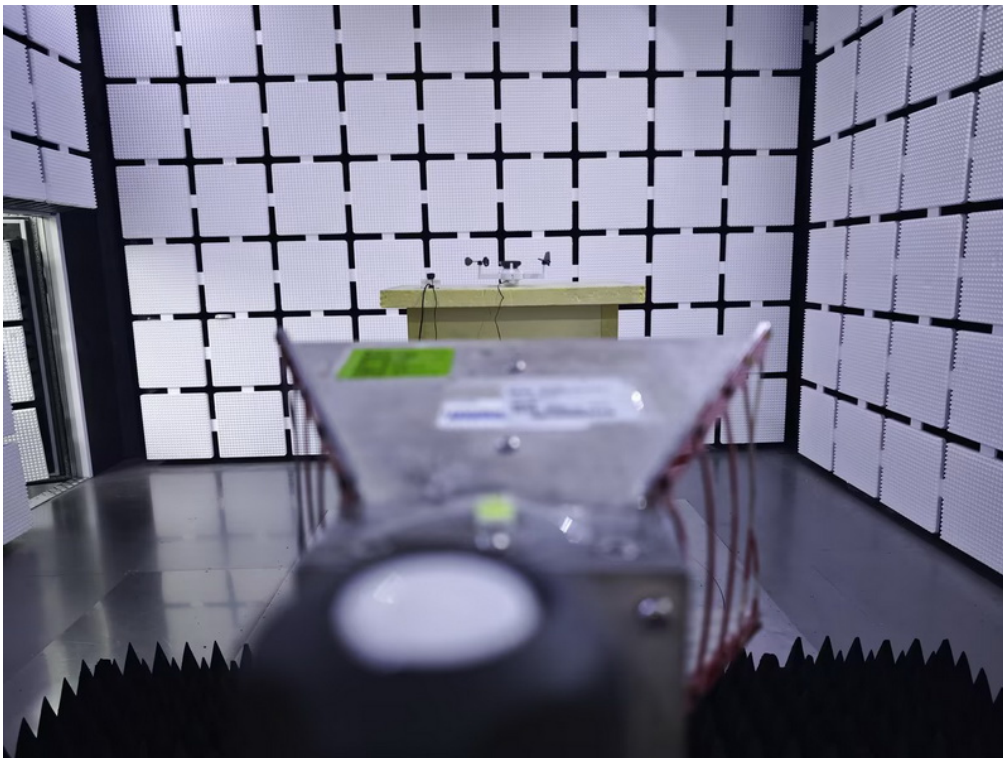
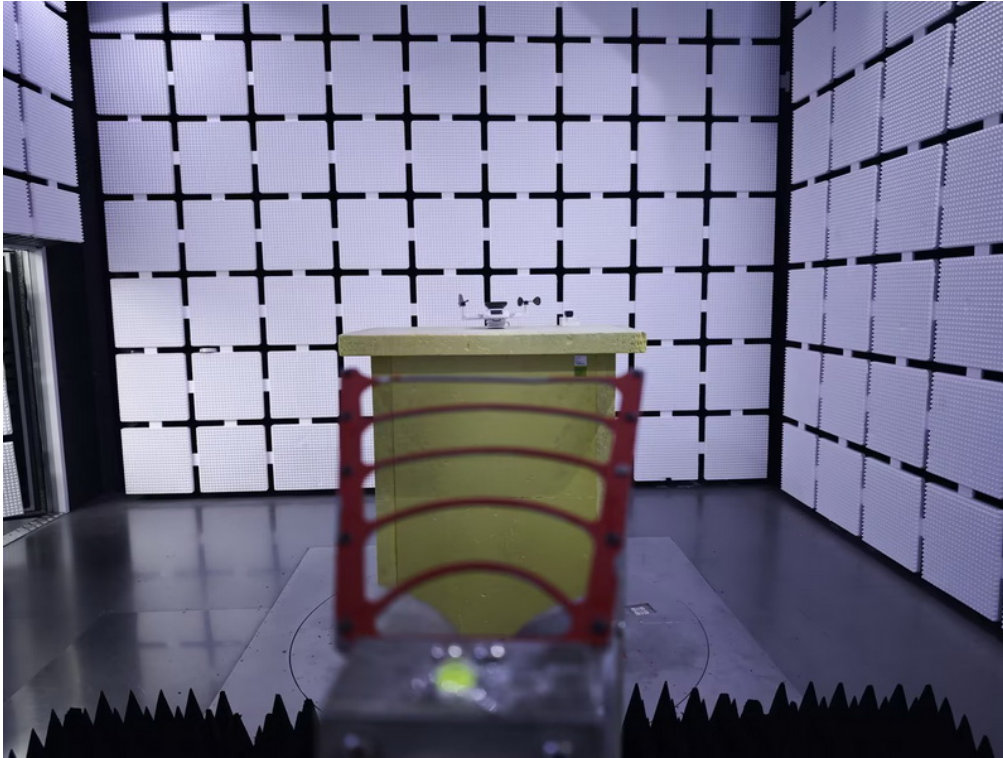
9. EUT TEST PHOTO

AC Power Line Conducted Emissions

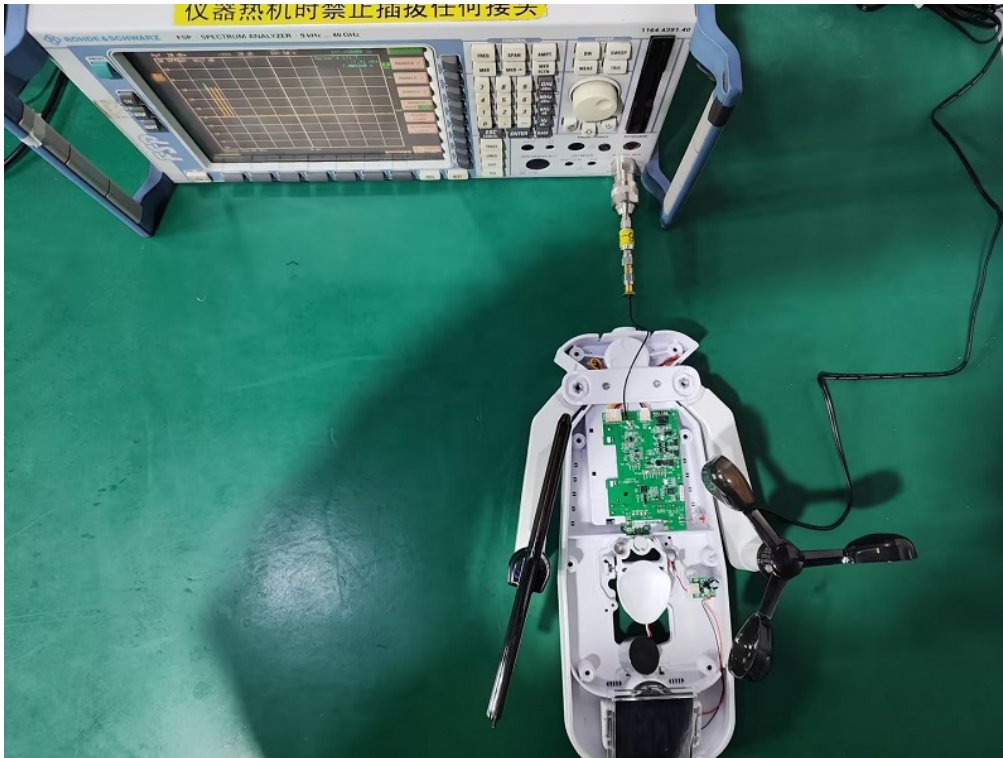


Radiated Emissions Test Photos**9 kHz to 30 MHz**

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

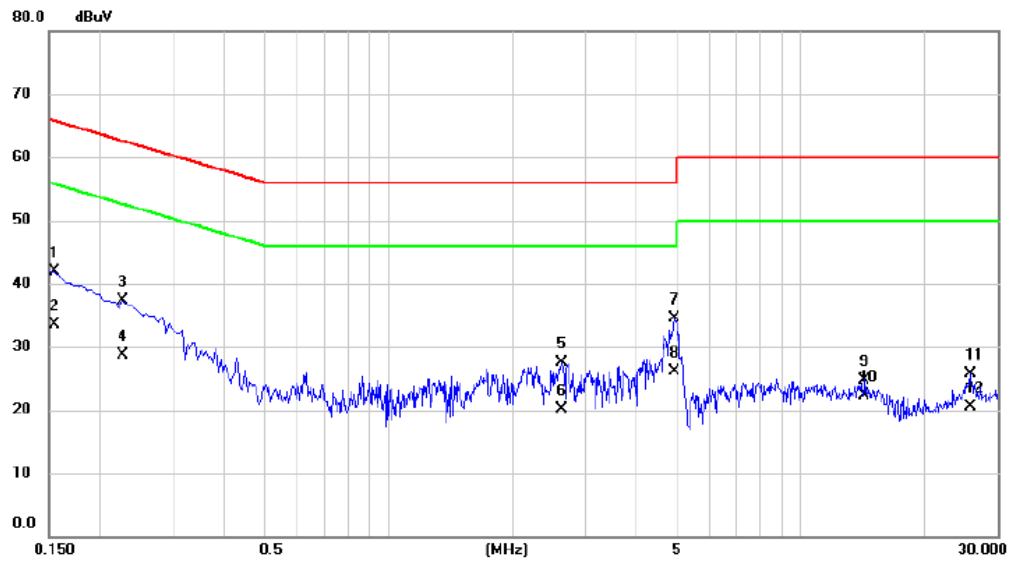
Radiated Emissions Test Photos**Above 1 GHz**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX Mode_433.92MHz	Phase	Line
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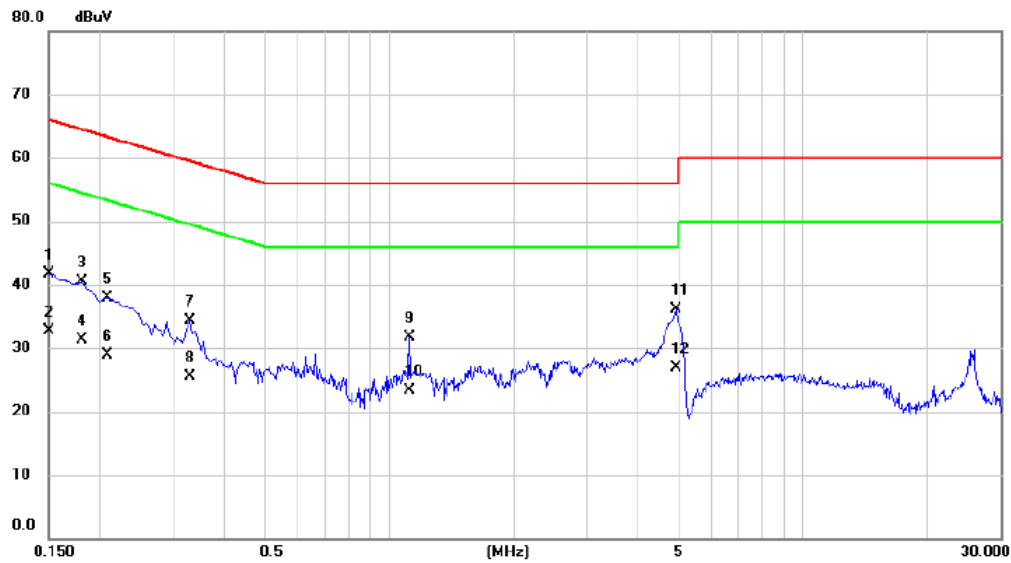
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	32.05	9.93	41.98	65.75	-23.77	QP	
2		0.1545	23.50	9.93	33.43	55.75	-22.32	AVG	
3		0.2265	27.26	9.98	37.24	62.58	-25.34	QP	
4		0.2265	18.70	9.98	28.68	52.58	-23.90	AVG	
5		2.6295	17.06	10.45	27.51	56.00	-28.49	QP	
6		2.6295	9.60	10.45	20.05	46.00	-25.95	AVG	
7		4.9245	23.90	10.60	34.50	56.00	-21.50	QP	
8	*	4.9245	15.60	10.60	26.20	46.00	-19.80	AVG	
9		14.2710	12.33	12.47	24.80	60.00	-35.20	QP	
10		14.2710	9.80	12.47	22.27	50.00	-27.73	AVG	
11		25.7595	10.42	15.19	25.61	60.00	-34.39	QP	
12		25.7595	5.40	15.19	20.59	50.00	-29.41	AVG	

REMARKS:

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

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

Test Mode	TX Mode_433.92MHz	Phase	Neutral
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	31.86	9.90	41.76	66.00	-24.24	QP	
2		0.1500	22.80	9.90	32.70	56.00	-23.30	AVG	
3		0.1815	30.52	9.89	40.41	64.42	-24.01	QP	
4		0.1815	21.40	9.89	31.29	54.42	-23.13	AVG	
5		0.2085	27.98	9.91	37.89	63.26	-25.37	QP	
6		0.2085	18.90	9.91	28.81	53.26	-24.45	AVG	
7		0.3300	24.22	10.15	34.37	59.45	-25.08	QP	
8		0.3300	15.40	10.15	25.55	49.45	-23.90	AVG	
9		1.1174	20.51	11.17	31.68	56.00	-24.32	QP	
10		1.1174	12.10	11.17	23.27	46.00	-22.73	AVG	
11		4.9200	25.62	10.55	36.17	56.00	-19.83	QP	
12	*	4.9200	16.30	10.55	26.85	46.00	-19.15	AVG	

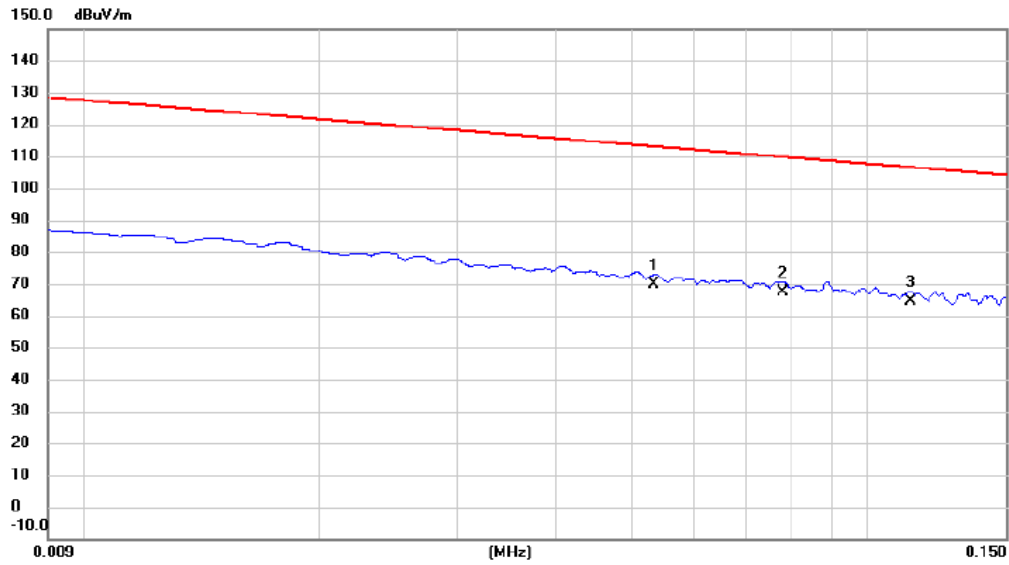
REMARKS:

(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_ 433.92MHz	Polarization	Ant 0°
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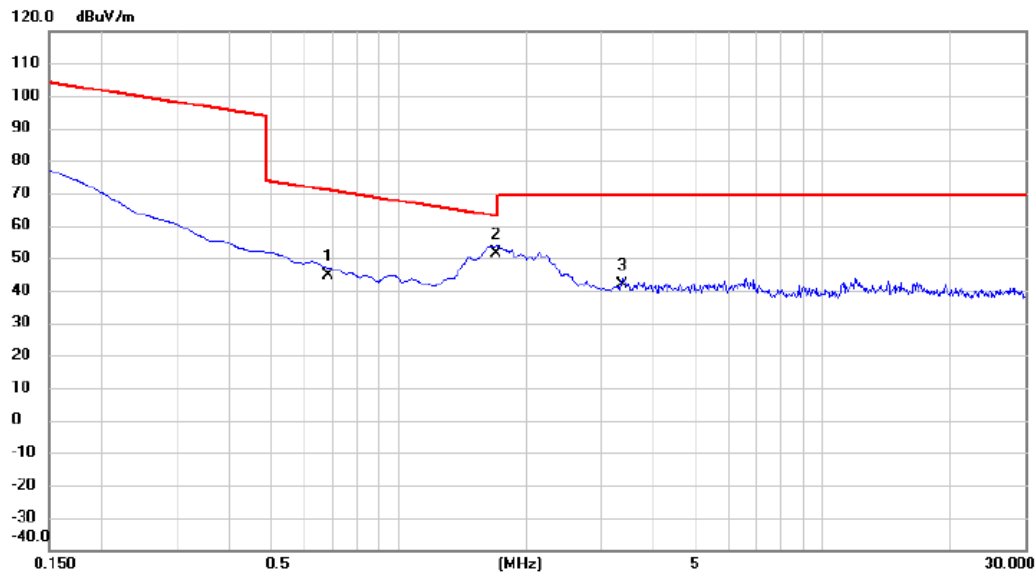


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0534	48.36	21.25	69.61	113.05	-43.44	AVG	
2		0.0780	46.20	21.33	67.53	109.76	-42.23	AVG	
3	*	0.1133	43.10	21.32	64.42	106.52	-42.10	AVG	

REMARKS:

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

Test Mode	TX Mode_ 433.92MHz	Polarization	Ant 0°
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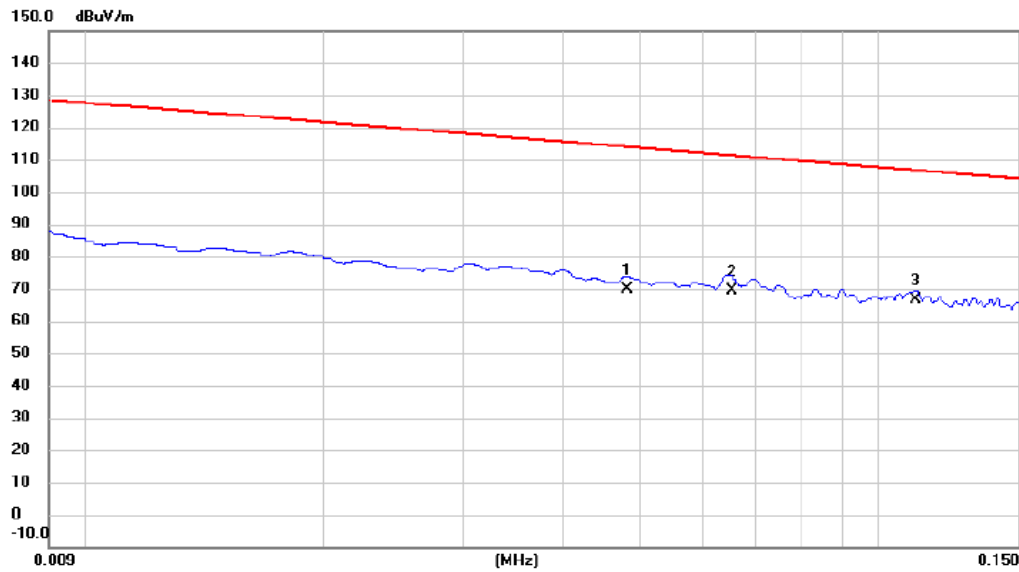


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.6826	23.46	21.12	44.58	70.92	-26.34	QP	
2	*	1.7022	30.31	21.14	51.45	62.98	-11.53	QP	
3		3.3738	20.65	21.12	41.77	69.54	-27.77	QP	

REMARKS:

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

Test Mode	TX Mode_ 433.92MHz	Polarization	Ant 90°
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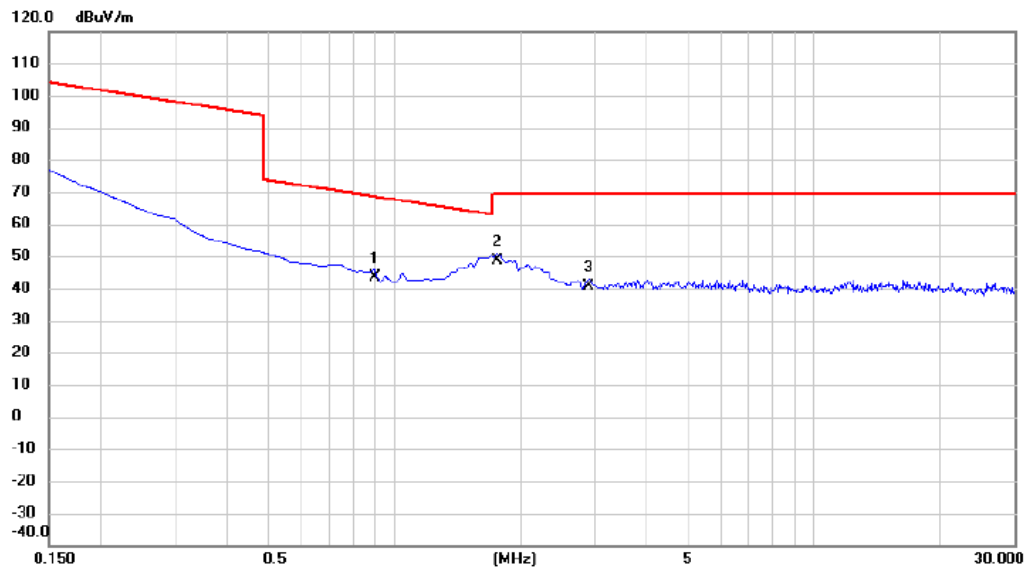


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0482	48.69	21.23	69.92	113.94	-44.02	AVG	
2		0.0653	48.15	21.29	69.44	111.31	-41.87	AVG	
3	*	0.1114	45.23	21.32	66.55	106.67	-40.12	AVG	

REMARKS:

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

Test Mode	TX Mode_433.92MHz	Polarization	Ant 90°
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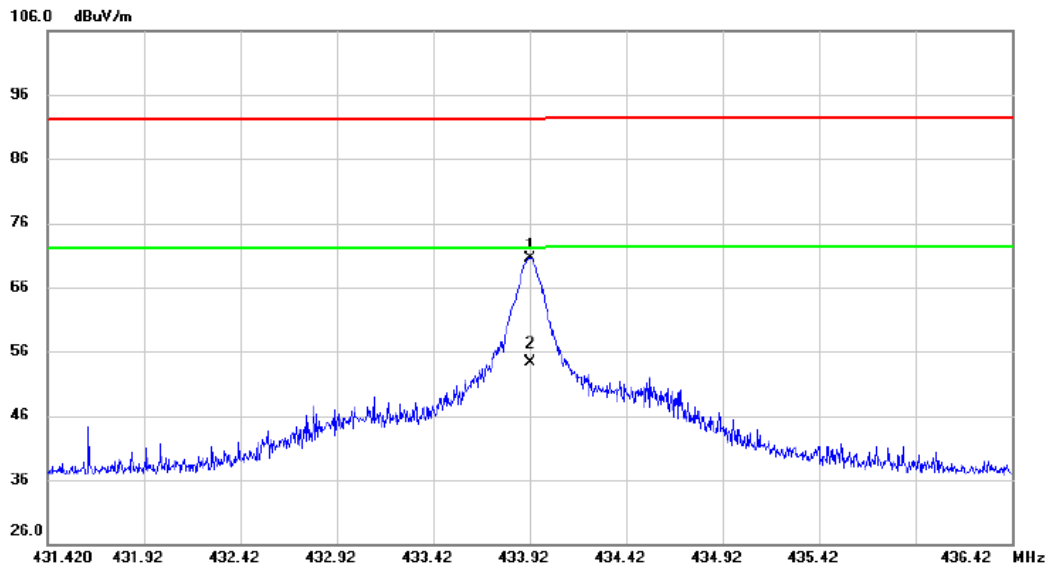
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.8962	22.13	21.18	43.31	68.56	-25.25	QP	
2	*	1.7620	27.36	21.13	48.49	69.54	-21.05	QP	
3		2.8962	19.63	21.12	40.75	69.54	-28.79	QP	

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_ 433.92MHz	Polarization	Vertical
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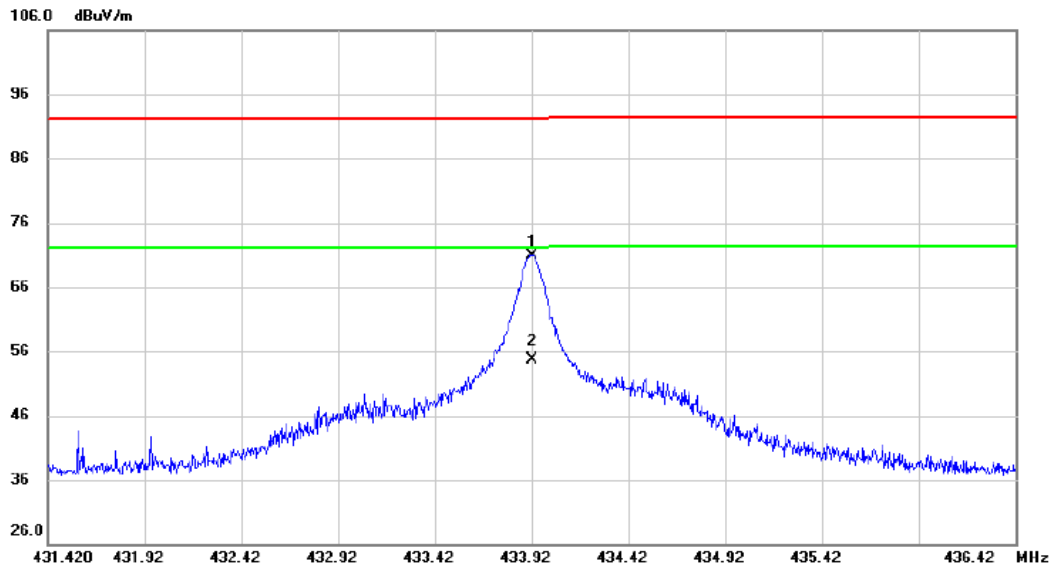


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	433.923	67.79	2.81	70.60	92.20	-21.60	peak	
2 *	433.923	51.43	2.81	54.24	72.20	-17.96	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) About the duty cycle correction factor calculated, please refer to the Section 3.3.

Test Mode	TX Mode_ 433.92MHz	Polarization	Horizontal
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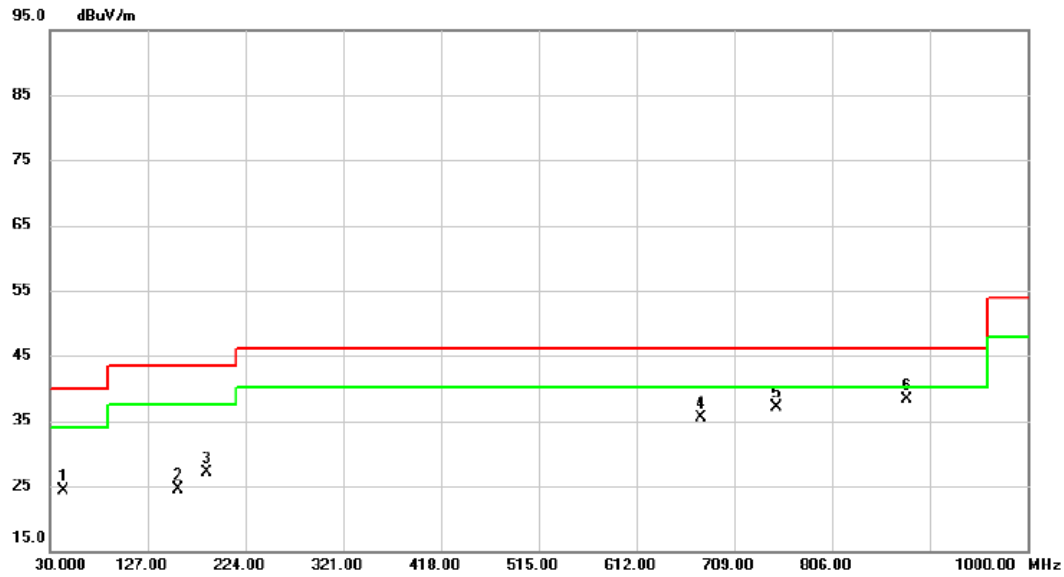


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		433.925	68.19	2.81	71.00	92.20	-21.20	peak	
2	*	433.925	51.83	2.81	54.64	72.20	-17.56	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) About the duty cycle correction factor calculated, please refer to the Section 3.3.

Test Mode	TX Mode_433.92MHz	Polarization	Vertical
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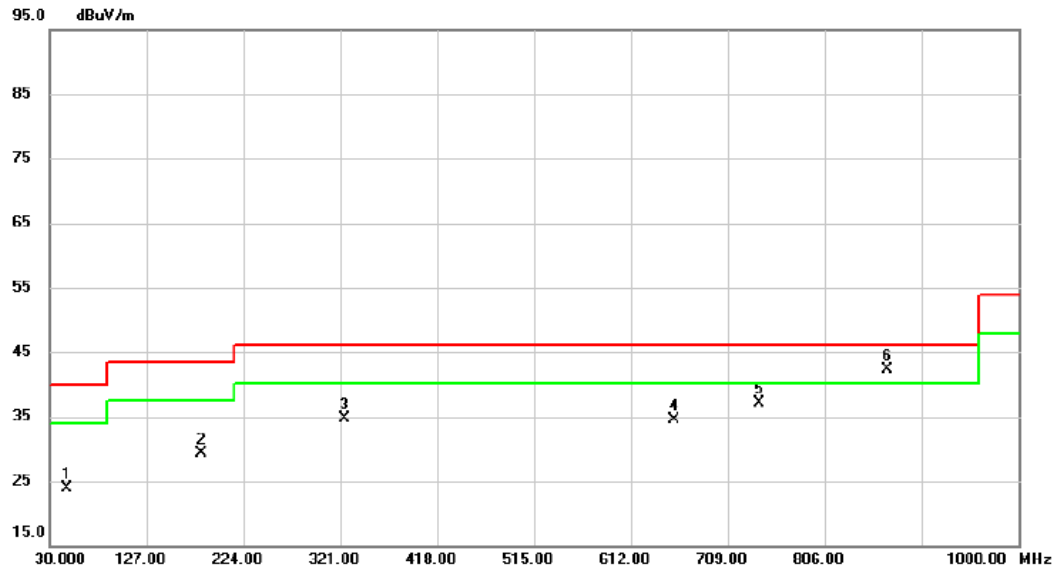


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		43.580	35.72	-11.44	24.28	40.00	-15.72	peak	
2		157.555	35.37	-10.93	24.44	43.52	-19.08	peak	
3		185.200	40.27	-13.10	27.17	43.52	-16.35	peak	
4		676.020	38.12	-2.56	35.56	46.02	-10.46	peak	
5		751.195	38.12	-1.07	37.05	46.02	-8.97	peak	
6	*	879.720	38.18	0.02	38.20	46.02	-7.82	peak	

REMARKS:

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

Test Mode	TX Mode_433.92MHz	Polarization	Horizontal
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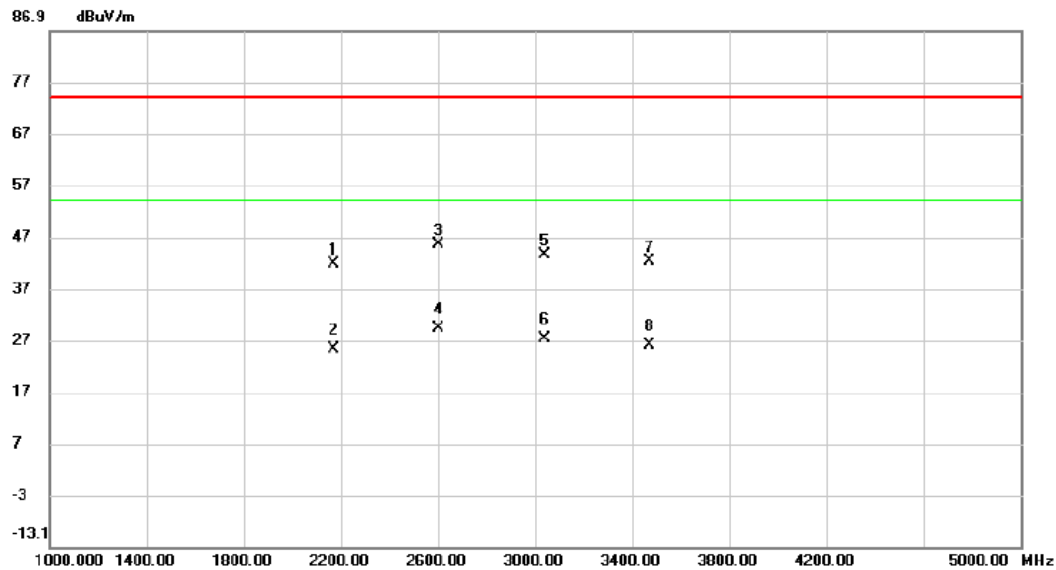
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		47.945	35.10	-11.27	23.83	40.00	-16.17	peak	
2		181.805	41.85	-12.55	29.30	43.52	-14.22	peak	
3		325.365	44.43	-9.81	34.62	46.02	-11.40	peak	
4		655.650	37.26	-2.77	34.49	46.02	-11.53	peak	
5		740.525	38.34	-1.29	37.05	46.02	-8.97	peak	
6	*	868.080	42.47	-0.14	42.33	46.02	-3.69	peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode	TX Mode_ 433.92MHz	Polarization	Vertical
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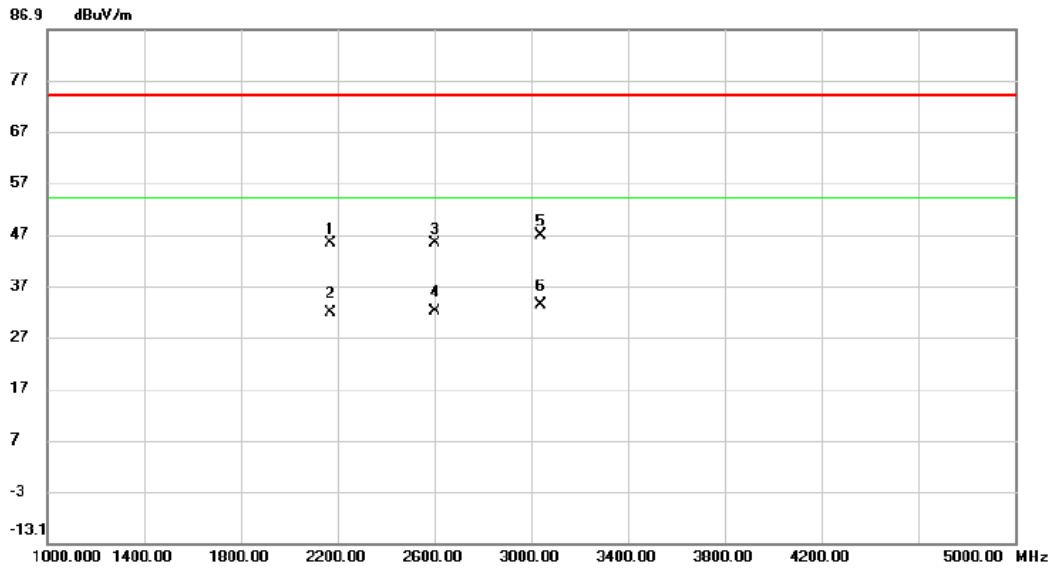


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2170.000	44.50	-2.75	41.75	74.00	-32.25	peak	
2		2170.000	28.14	-2.75	25.39	54.00	-28.61	AVG	
3		2604.000	47.69	-2.04	45.65	74.00	-28.35	peak	
4	*	2604.000	31.33	-2.04	29.29	54.00	-24.71	AVG	
5		3038.000	44.22	-0.65	43.57	74.00	-30.43	peak	
6		3038.000	27.86	-0.65	27.21	54.00	-26.79	AVG	
7		3472.000	41.87	0.41	42.28	74.00	-31.72	peak	
8		3472.000	25.51	0.41	25.92	54.00	-28.08	AVG	

REMARKS:

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

Test Mode	TX Mode_ 433.92MHz	Polarization	Horizontal
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No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2170.000	47.99	-2.75	45.24	74.00	-28.76	peak	
2	2170.000	34.63	-2.75	31.88	54.00	-22.12	AVG	
3	2604.000	47.40	-2.04	45.36	74.00	-28.64	peak	
4	2604.000	34.04	-2.04	32.00	54.00	-22.00	AVG	
5	3038.000	47.40	-0.65	46.75	74.00	-27.25	peak	
6 *	3038.000	34.04	-0.65	33.39	54.00	-20.61	AVG	

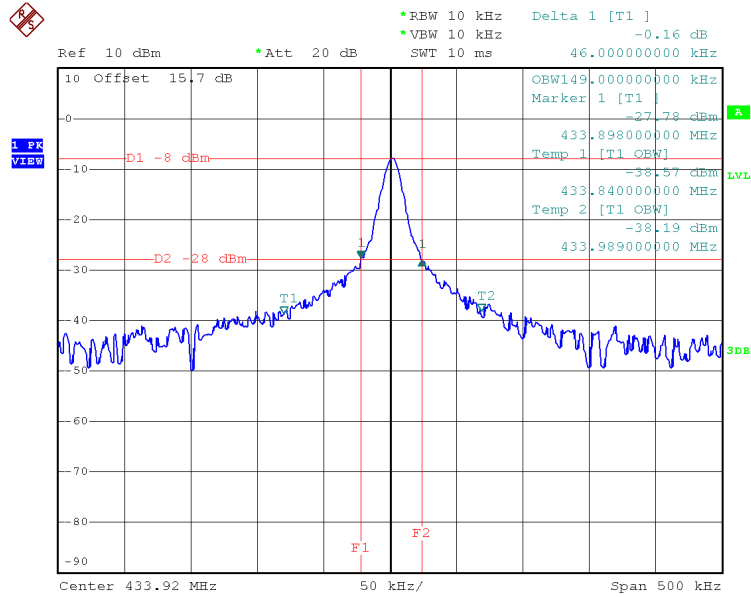
REMARKS:

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

APPENDIX E - 20 DB SPECTRUM BANDWIDTH

Test Mode	TX Mode_433.92MHz
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Frequency (MHz)	20 dB Bandwidth (MHz)	Limit (MHz)	Result
433.92	0.046	1.0848	PASS



Date: 20.NOV.2024 12:11:17

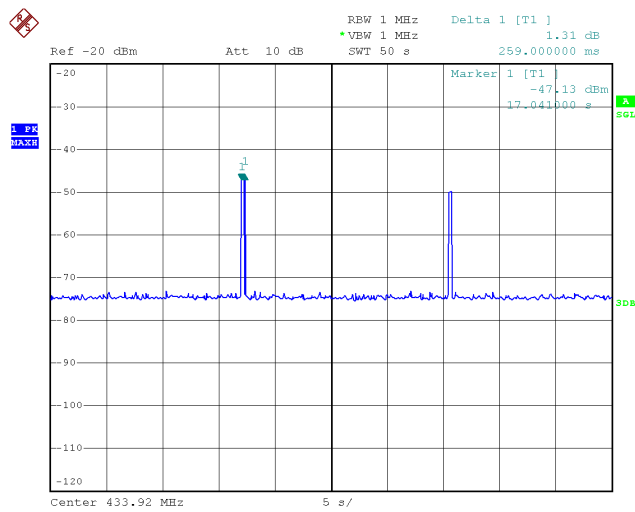
APPENDIX F - TIMING TESTING

Test Mode	TX Mode_433.92MHz
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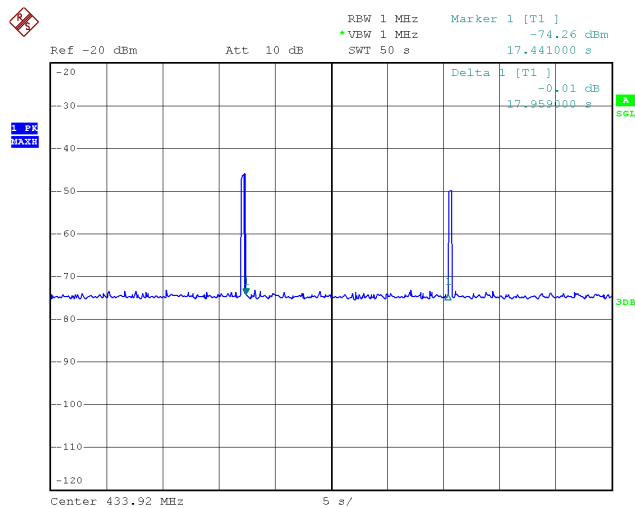
Frequency (MHz)	On Time (Sec)	Limit (Sec)
433.92	0.259	≤1

Frequency (MHz)	Off Time (Sec)	Limit (Sec)
433.92	17.441	≥10

Frequency (MHz)	On Time*30 (Sec)	Limit (Sec)
433.92	7.77	≤17.441



Date: 28.NOV.2024 11:21:43



Date: 28.NOV.2024 11:22:09

End of Test Report