



FCC Radio Test Report

FCC ID: 2BMKIRPP-WRC

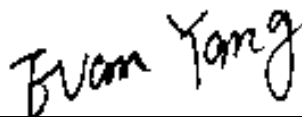
This report concerns: Original Grant

Project No. : 2510C063
Equipment : Industrial wireless remote control
Brand Name : 
Model Name : RPP-WRC
Applicant : RobotPlusPlus Co., Ltd.
Address : Building 2, Innovation Entrepreneurship Industrial Park, 16 Xinch Rd,
Putuo District, Zhoushan, Zhejiang, China
Manufacturer : RobotPlusPlus Co., Ltd. (Jiujiang)
Address : Building 7, Intelligent Manufacturing Industrial Park, Chaisang District,
Jiujiang City, Jiangxi Province, China
Factory : RobotPlusPlus Co., Ltd. (Jiujiang)
Address : Building 7, Intelligent Manufacturing Industrial Park, Chaisang District,
Jiujiang City, Jiangxi Province, China
Date of Receipt : Oct. 10, 2025
Date of Test : Nov. 24, 2025 ~ Dec. 17, 2025
Issued Date : Apr. 09, 2026
Test Sample : Engineering Sample No.: DG920251010178
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)

Prepared by

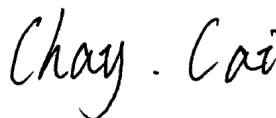
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Evan Yang

Approved by

:



Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

Tel: +86-769-8318-3000

Web: www.newbtl.com

Service mail: btl_qa@newbtl.com

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-1-2510C063	R00	Original Report.	Mar. 31, 2026	Invalid
BTL-FCCP-1-2510C063	R01	This report only the antenna information on page 10 has been updated. It is a revision of the report BTL-FCCP-1-2510C063 R00. This is a newly released report, replacing the BTL-FCCP-1-2510C063 R00 report.	Apr. 09, 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

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 558074 D01 15.247 Meas Guidance v05r02

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	N/A	-----
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions_ Below 30MHz	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
	Radiated Emissions_ Above 30MHz	APPENDIX E	PASS	-----
15.247(a)(2)	Bandwidth	APPENDIX F	PASS	-----
15.247(b)(3)	Maximum Output Power	APPENDIX G	PASS	-----
15.247(d)	Conducted Spurious Emission	APPENDIX H	PASS	-----
15.247(e)	Power Spectral Density	-----	PASS	-----
15.203	Antenna Requirement	APPENDIX A	N/A	Note(2)

Note:

(1) "N/A" denotes test is not applicable to this device.

(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% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions Measurement:

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

Test Site	Method	Measurement Frequency Range	Ant. H / V	U_i (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

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLCB03 (3m)	CISPR	1GHz ~ 6GHz	4.16

B. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.75 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	2.1 dB
Conducted Bandedge Emission	1.7 dB
Power Spectral Density	1.8 dB
Temperature	0.7 °C
Humidity	1.7 %

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
Radiated Emissions -9 kHz to 30 MHz	22°C	50%	DC 3.3V	Hayden Chen
Radiated Emissions -30 MHz to 1000 MHz	22°C	42%	DC 3.3V	Calvin Wen
Radiated Emissions -Above 1000 MHz	23°C	46%	DC 3.3V	Calvin Wen
	22°C	42%	DC 3.3V	Calvin Wen
Bandwidth	22-25°C	51-57%	DC 3.3V	Alex Yin Jay Wei
Maximum Output Power	22-25°C	51-57%	DC 3.3V	Alex Yin Jay Wei
Conducted Spurious Emission	22-25°C	51-57%	DC 3.3V	Alex Yin Jay Wei
Power Spectral Density	22-25°C	51-57%	DC 3.3V	Alex Yin Jay Wei

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Industrial wireless remote control
Brand Name	ROBOT 
Test Model	RPP-WRC
Model Name	RPP-WRC
Model Difference(s)	N/A
Hardware Version	V34
Software Version	V1.0
Power Source	Battery supplied. Model: LNR402070
Power Rating	DC 7.4V, 3200mAh, 23.68Wh
Operation Frequency Band	903 MHz ~ 927 MHz
Modulation Type	LoRa
Bit Rate of Transmitter	500kbps
Max. Output Power	10.09 dBm (0.0102 W)

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:

Channel	Frequency (MHz)
00	903
01	915
02	927

3. Table for Filed Antenna:

Ant.	Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
1	Chengdu Ebyte Electronic Technology Co.Ltd	TX915-JKS-20	TPEE	RP-SMA-J	3.5

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_Channel 00
Mode 2	TX Mode_Channel 00/01/02

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

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_Channel 00

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 2	TX Mode_Channel 00/01/02

Conducted test	
Final Test Mode	Description
Mode 2	TX Mode_Channel 00/01/02

Note:

- (1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (2) For radiated emission below 1 GHz test, the Channel 00 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

3.3 PARAMETERS OF TEST SOFTWARE

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test Software Version	SSCOM V5.13.1		
Frequency (MHz)	903	915	927
-	-6	-6	-6

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

3.6 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for 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 (dB μ V)	
	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.

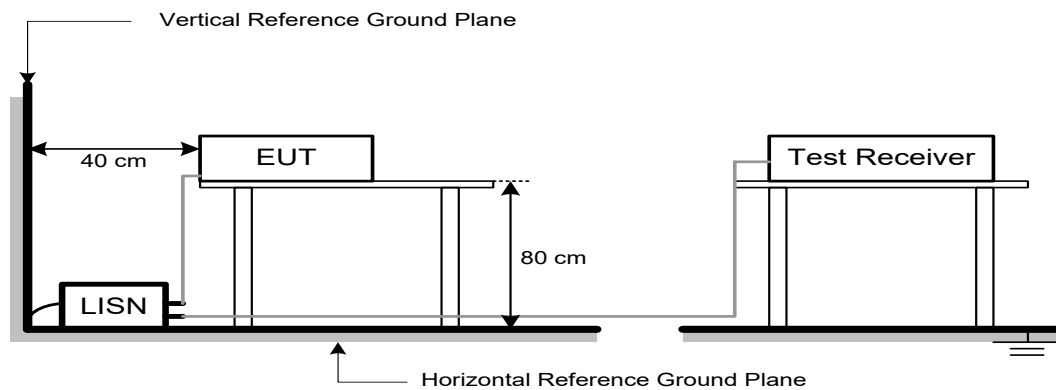
The following table is the setting of the receiver:

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

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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 EMISSIONS

5.1 LIMIT

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)	Band edge/ Harmonic at 3m (dBμV/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 1GHz)
- 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

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

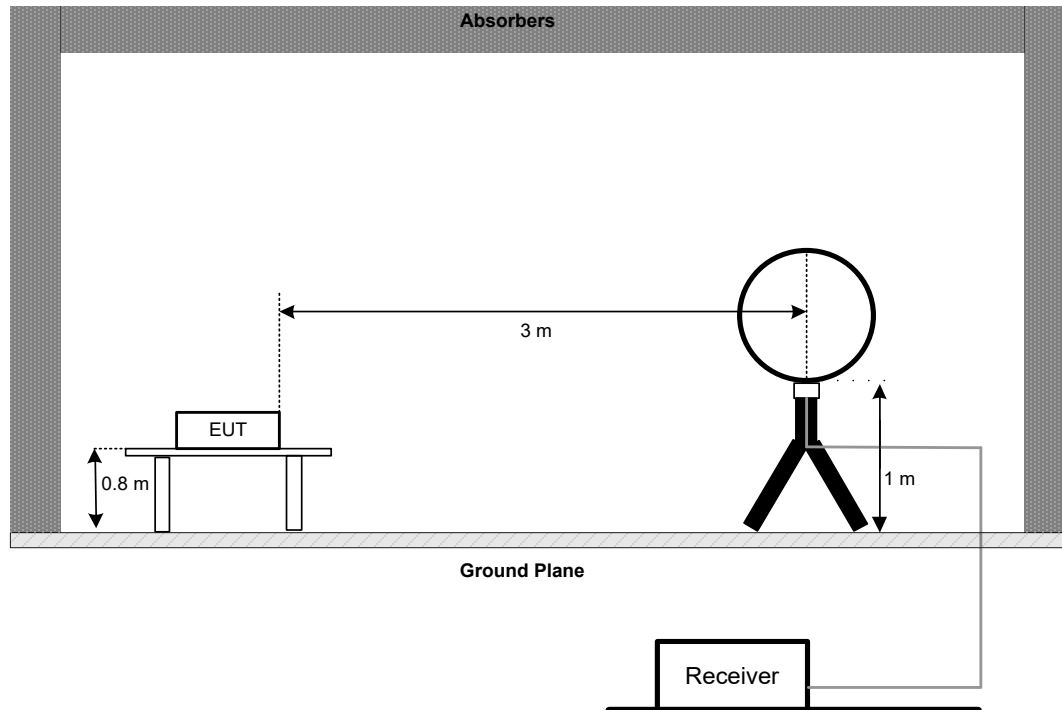
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

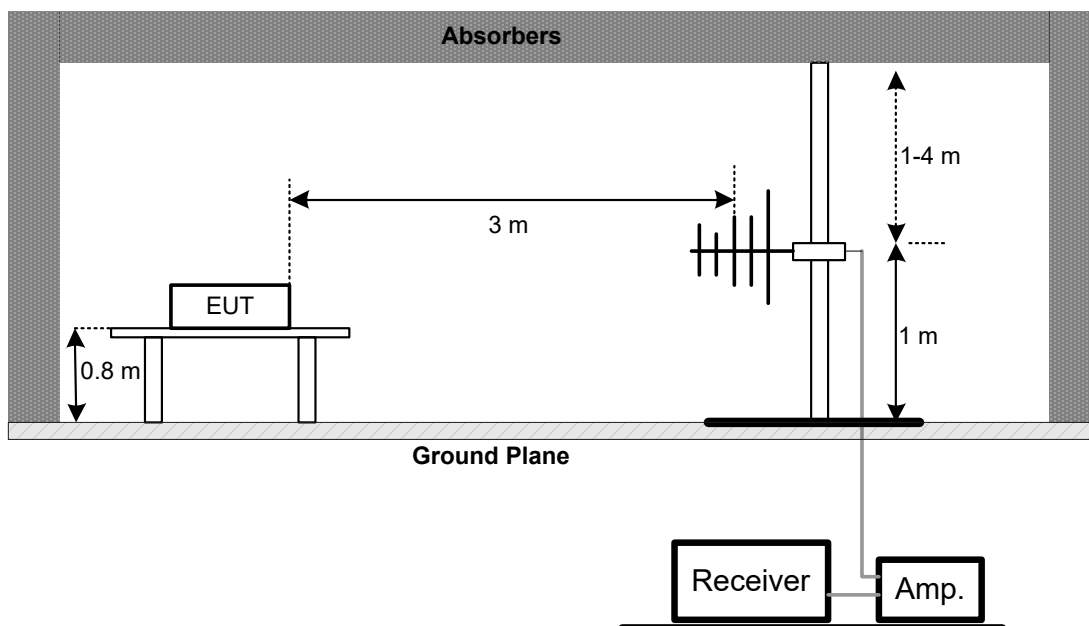
No deviation.

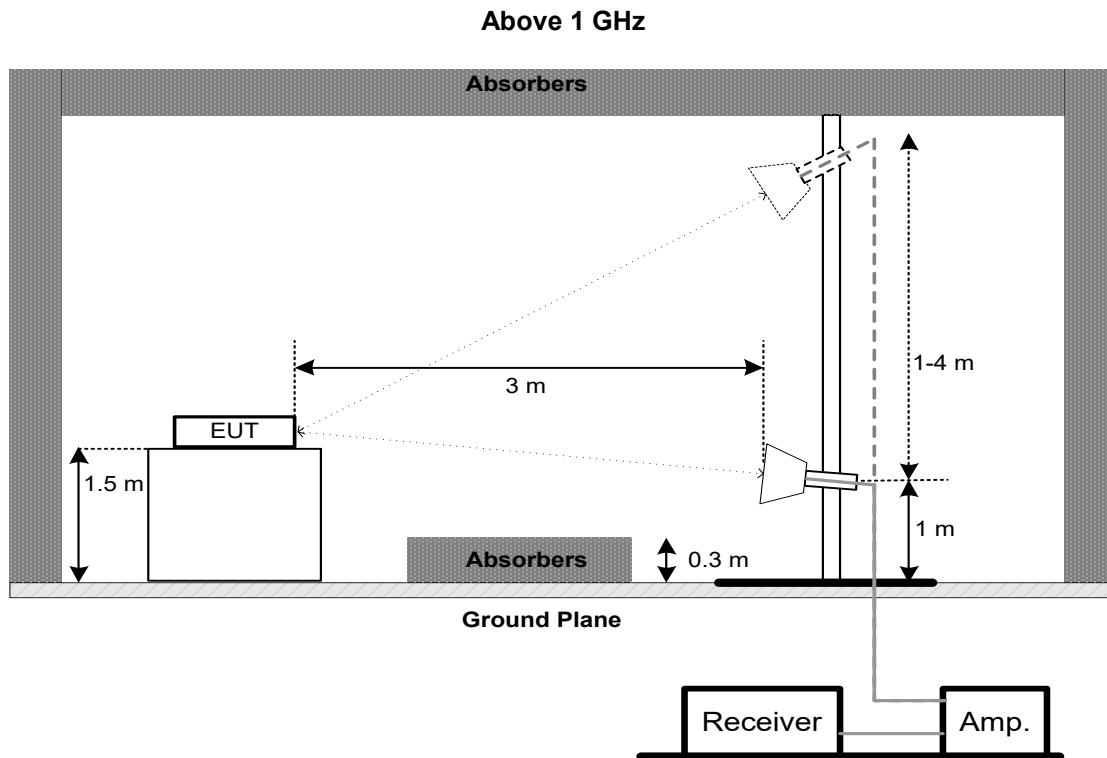
5.4 TEST SETUP

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 RESULT - 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 RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

5.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit
FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz
	99% Emission Bandwidth	-

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:

For 6 dB Bandwidth:

Spectrum Parameters	Setting
Span	2 MHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span	2 MHz
RBW	30 kHz
VBW	300 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. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit
FCC 15.247(b)(3)	Maximum Output Power	1.0000 watt or 30.00 dBm

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	25MHz
RBW	3 MHz
VBW	10 MHz
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 F.

8. CONDUCTED SPURIOUS EMISSION

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

8.2 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:

For Emission Level - Band edge:

Spectrum Parameters	Setting
Span	15 MHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Harmonic:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	10 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9. POWER SPECTRAL DENSITY

9.1 LIMIT

Section	Test Item	Limit
FCC 15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

9.2 TEST PROCEDURE

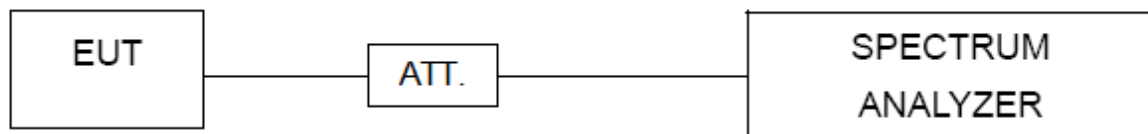
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span	2 MHz
RBW	3 kHz
VBW	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

Radiated Emissions - 9 kHz to 30 MHz (Test Date: Nov. 24, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 01, 2026
2	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 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	966 Chamber room	CM	9*6*6	N/A	May 09, 2026
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz (Test Date: Dec. 02, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 14, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 14, 2025
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	Jan. 10, 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

Radiated Emissions - Above 1 GHz (Test Date: Dec. 02, 2025 ~ Dec. 05, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	966 Chamber room	CM	9*6*6	N/A	May 15, 2026
4	Cable	RegalWay	RWLP50-4.0A-SMSM-12.5M	N/A	Jun. 29, 2026
5	Cable	RegalWay	RWLP50-4.0A-NMRA SM-2.5M	N/A	Jun. 29, 2026
6	Cable	RegalWay	RWLP50-4.0A-NMRA SMRA-0.8M	N/A	Jun. 29, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 02, 2026
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 17, 2026
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	Wairwright Instruments GmbH	WHK 1.5/15G-10ST	N/A	Nov. 21, 2026

**Bandwidth &
Maximum Output Power &
Power Spectral Density &
Conducted Spurious Emission
(Test Date: Nov. 24, 2025 ~ Dec. 16, 2025)**

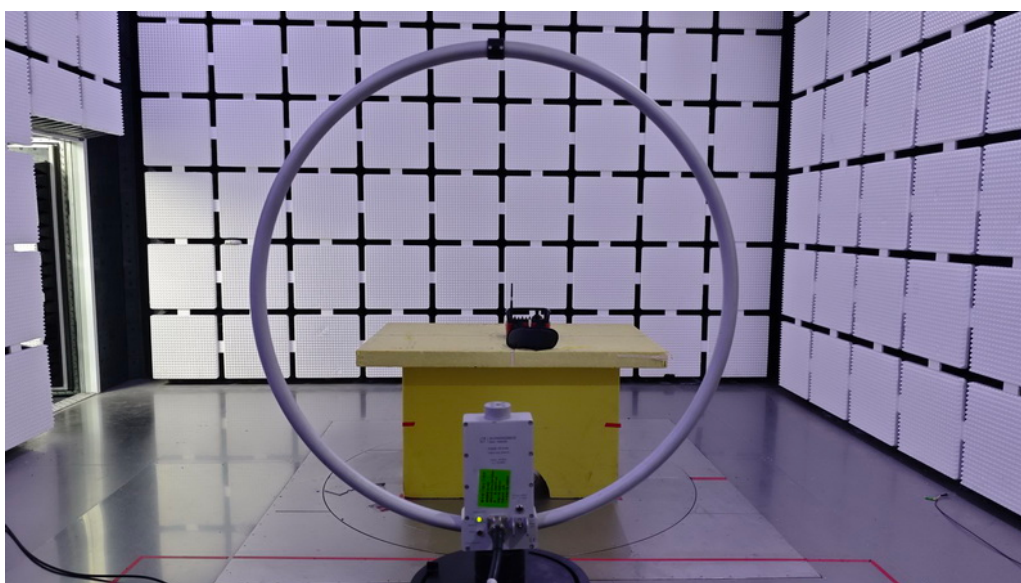
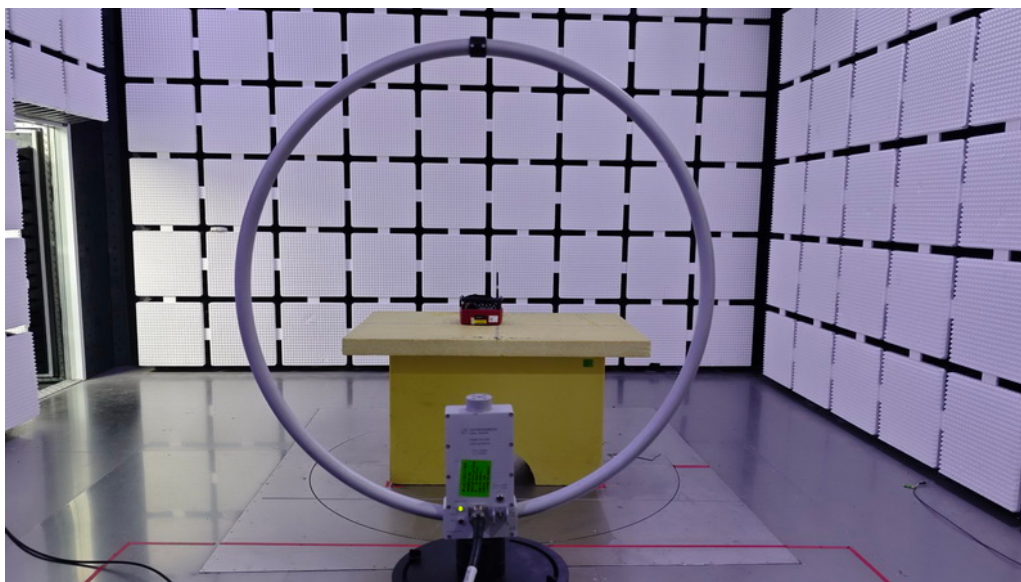
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 17, 2026
2	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

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

11. EUT TEST PHOTO

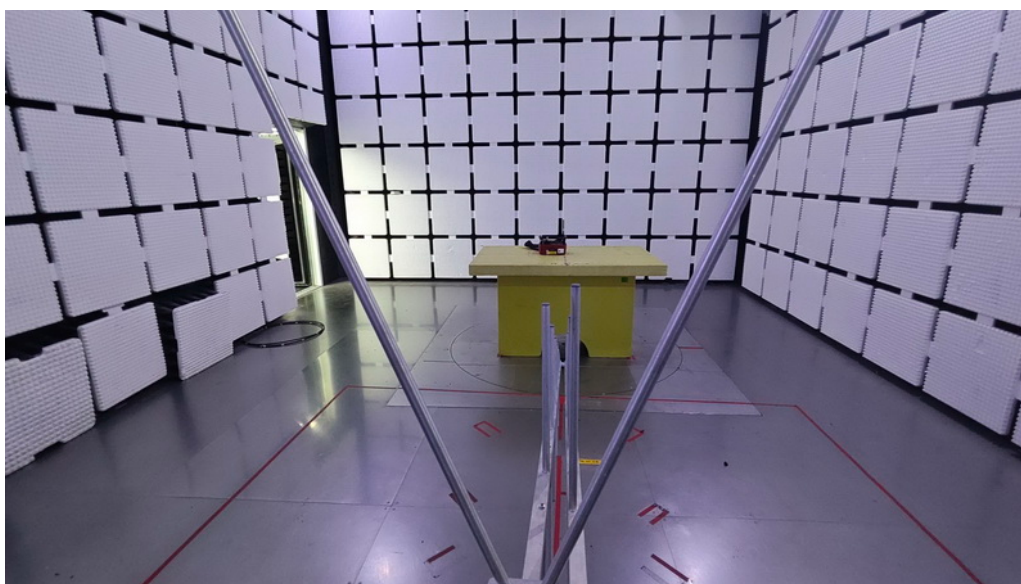
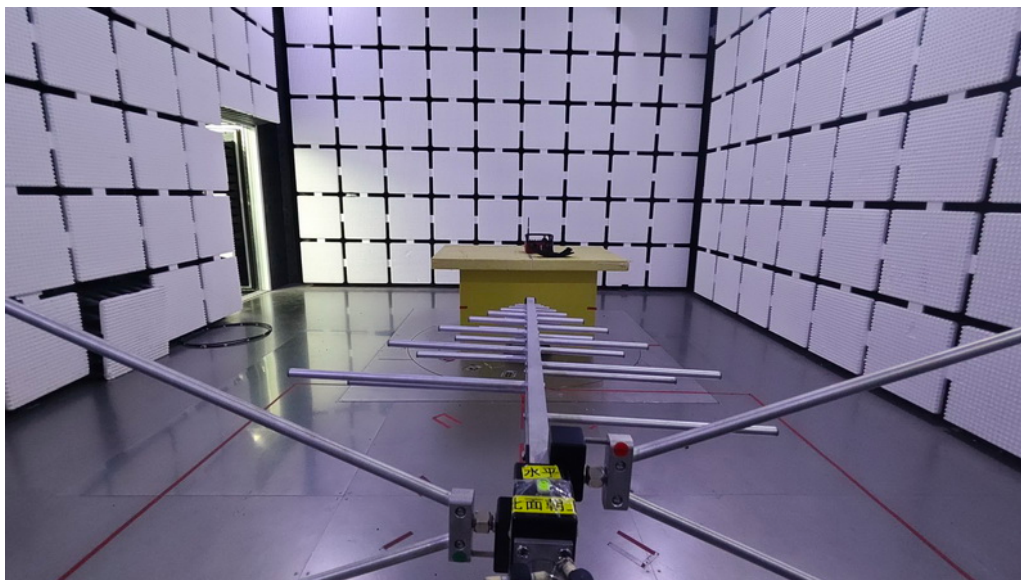
Radiated Emissions Test Photos

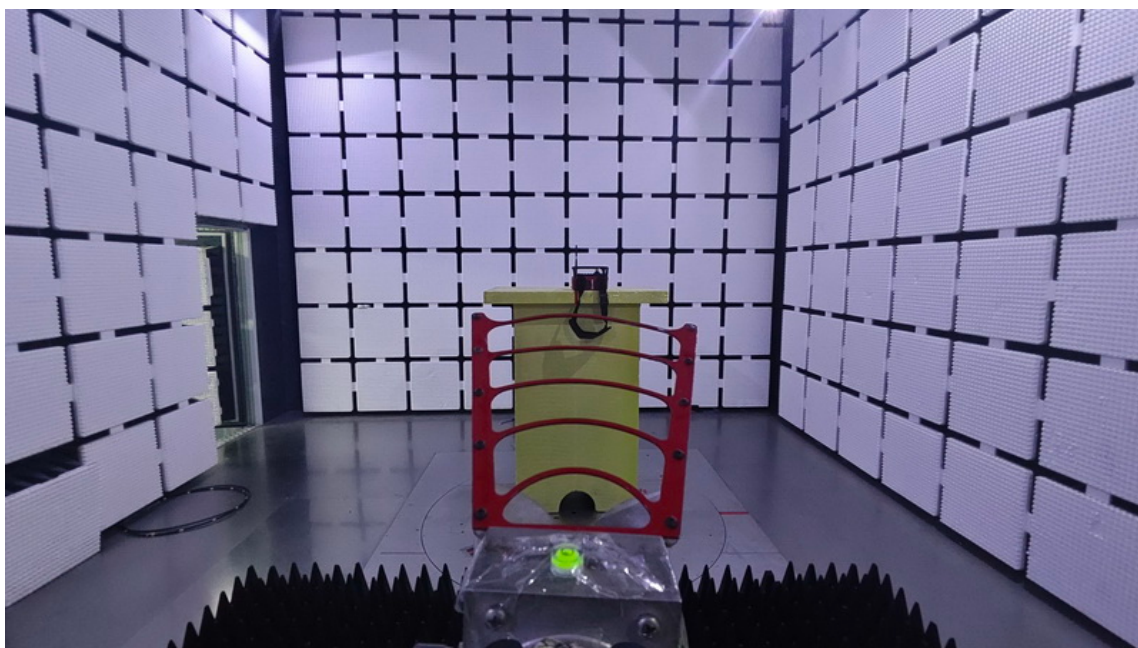
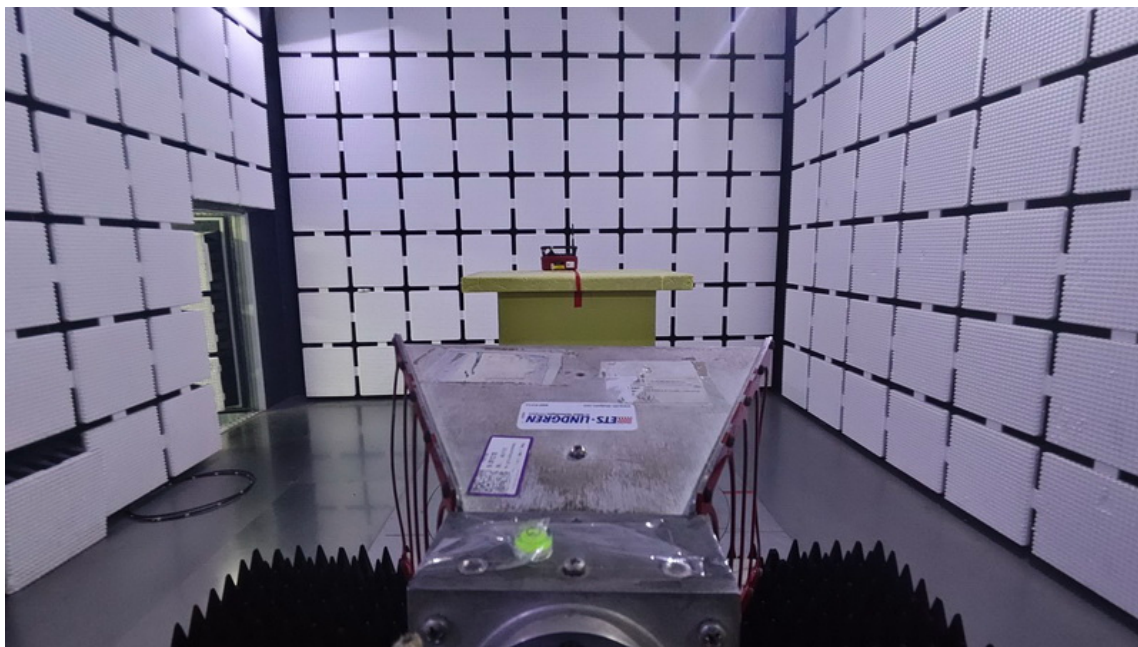
9 kHz to 30 MHz



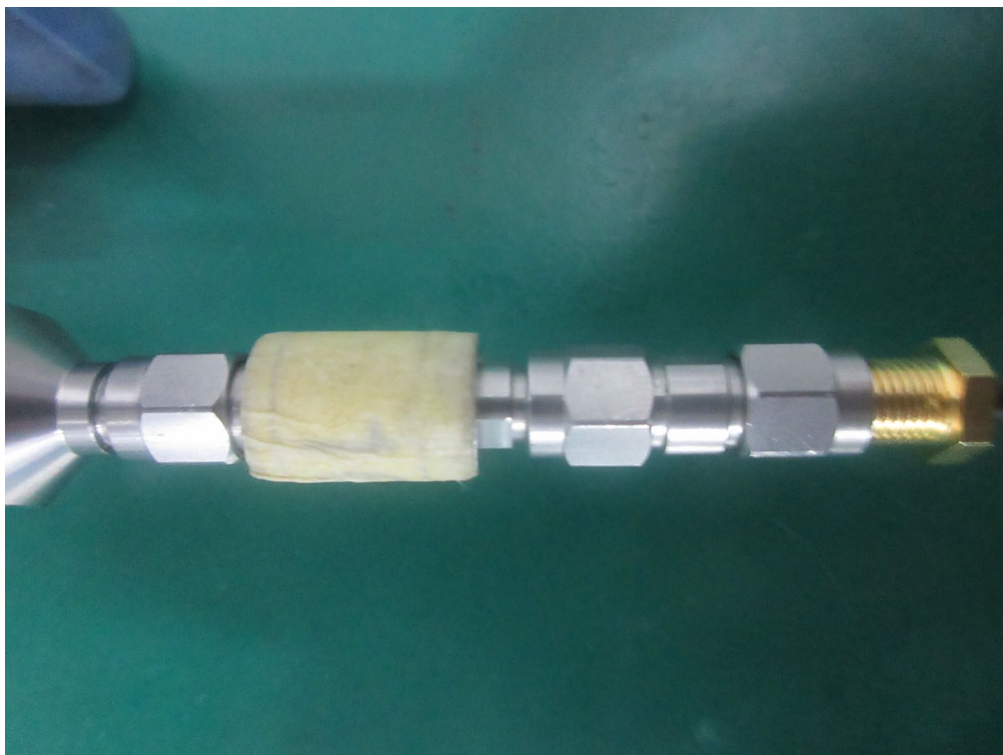
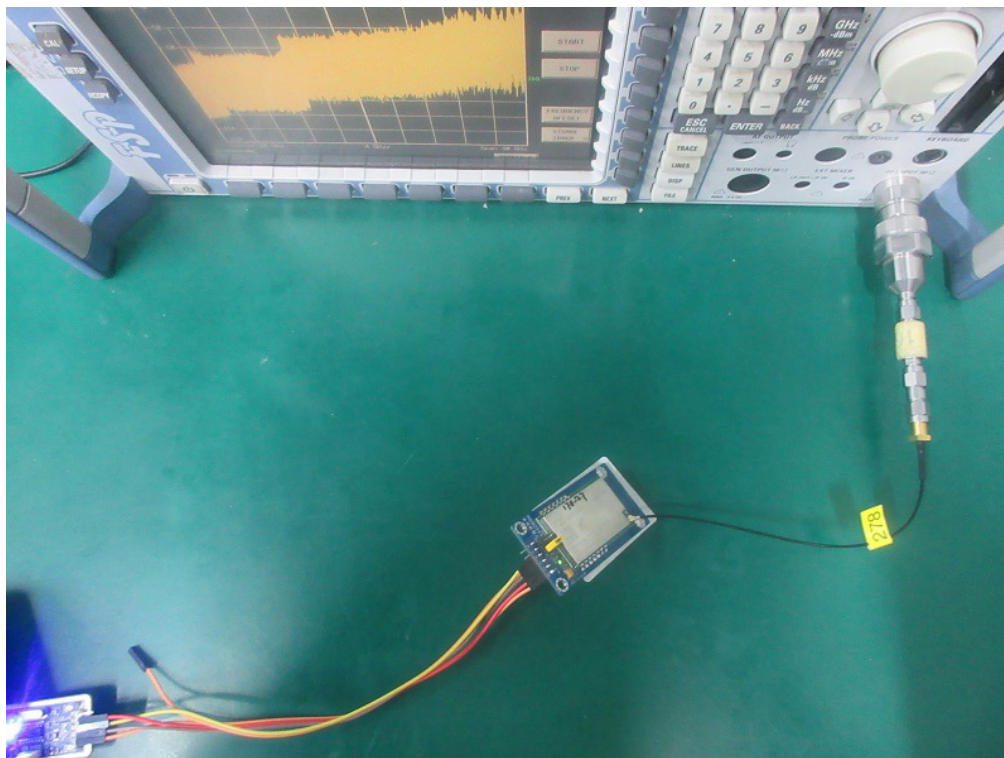
Radiated Emissions Test Photos

30 MHz to 1000 MHz



Radiated Emissions Test Photos**Above 1 GHz**

Conducted Test Photos



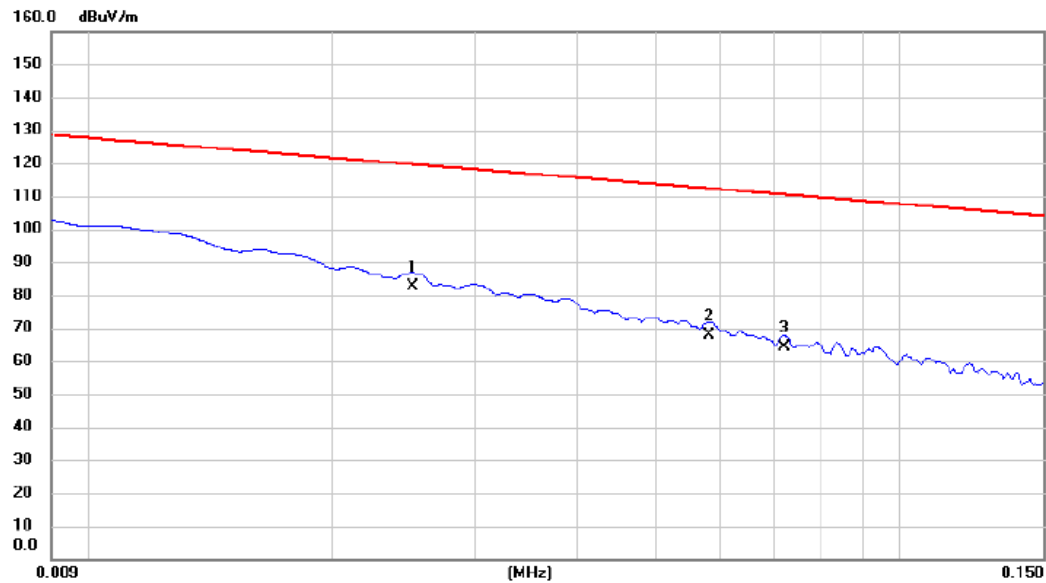
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: N/A

Note: "N/A" denotes test is not applicable to this device.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX Mode Channel 00	Polarization	Ant 0°
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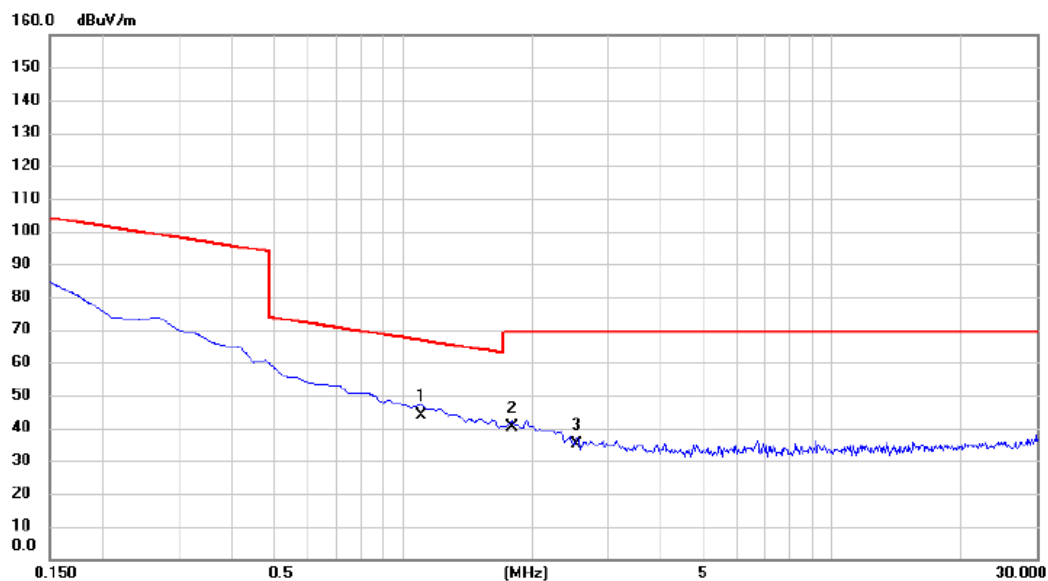
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.025	62.18	20.24	82.42	119.61	-37.19	AVG	
2		0.058	47.86	20.14	68.00	112.32	-44.32	AVG	
3		0.072	43.98	20.14	64.12	110.46	-46.34	AVG	

REMARKS:

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

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

Test Mode	TX Mode Channel 00	Polarization	Ant 0°
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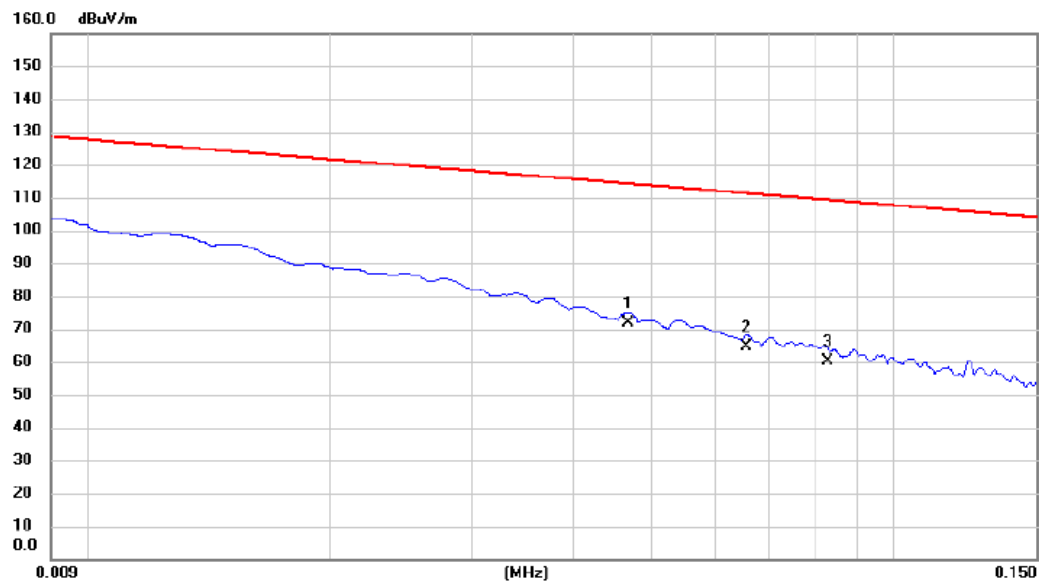
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.105	23.72	20.00	43.72	66.74	-23.02	QP	
2		1.792	20.35	20.01	40.36	69.54	-29.18	QP	
3		2.538	14.96	20.05	35.01	69.54	-34.53	QP	

REMARKS:

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

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

Test Mode	TX Mode Channel 00	Polarization	Ant 90°
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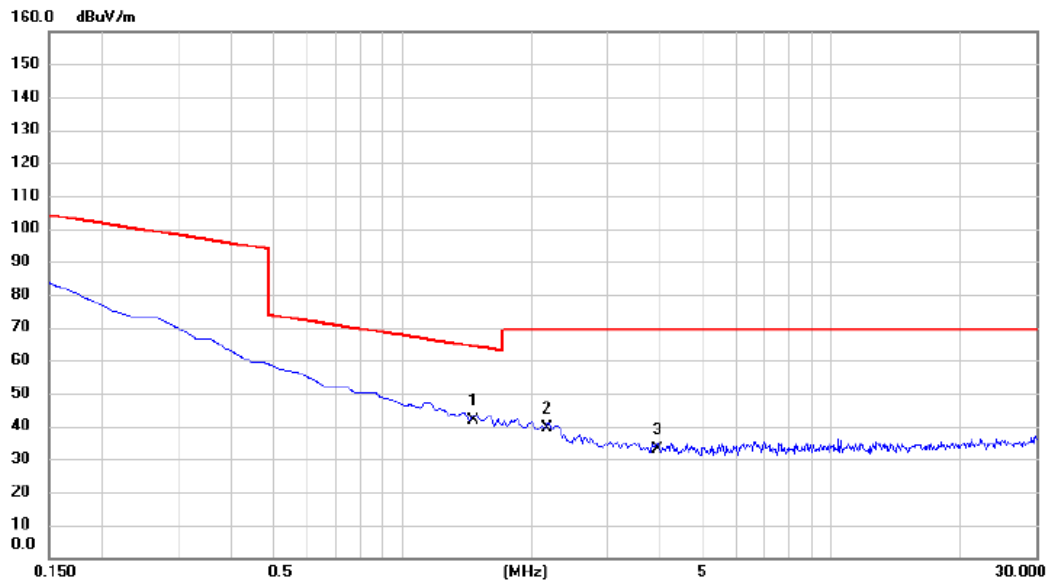
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.047	51.57	20.14	71.71	114.20	-42.49	AVG	
2		0.066	44.29	20.14	64.43	111.25	-46.82	AVG	
3		0.083	39.87	20.14	60.01	109.25	-49.24	AVG	

REMARKS:

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

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

Test Mode	TX Mode Channel 00	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	*	1.463	21.85	20.00	41.85	64.30	-22.45	QP	
2		2.180	19.38	20.02	39.40	69.54	-30.14	QP	
3		3.941	12.86	20.12	32.98	69.54	-36.56	QP	

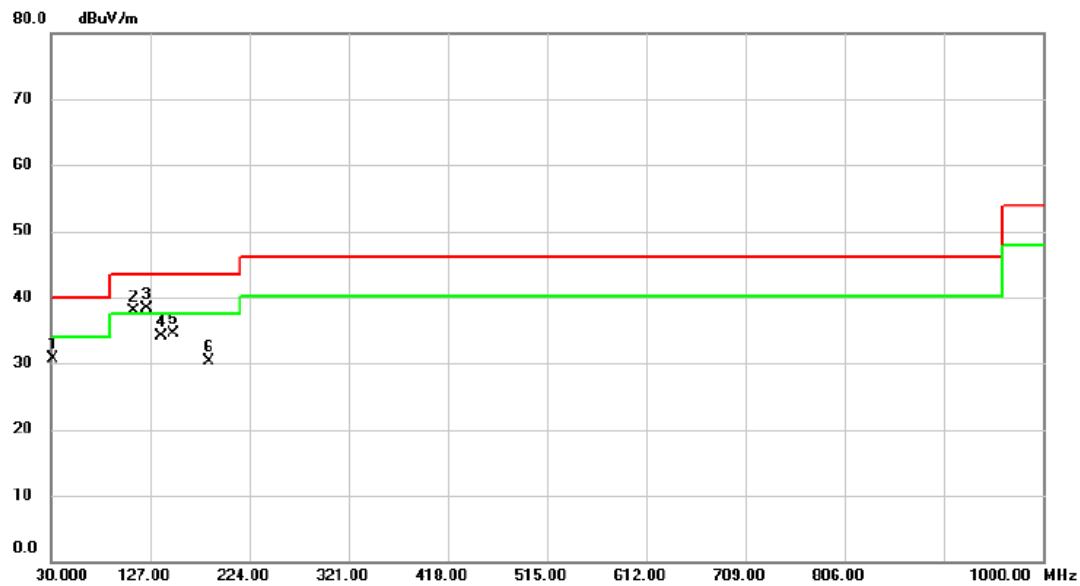
REMARKS:

(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 Channel 00	Polarization	Vertical
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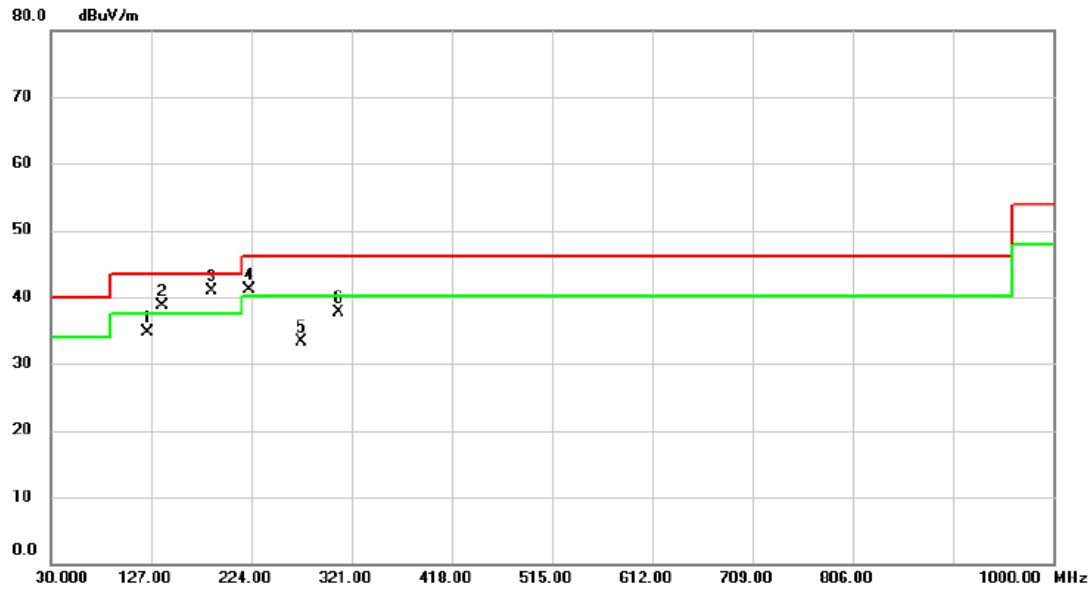


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		31.940	43.34	-12.65	30.69	40.00	-9.31	peak	
2	!	110.510	51.82	-13.94	37.88	43.52	-5.64	peak	
3	*	124.090	50.95	-12.70	38.25	43.52	-5.27	peak	
4		137.670	45.47	-11.42	34.05	43.52	-9.47	peak	
5		149.310	45.12	-10.68	34.44	43.52	-9.08	peak	
6		184.230	42.41	-12.07	30.34	43.52	-13.18	peak	

REMARKS:

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

Test Mode	TX Mode Channel 00	Polarization	Horizontal
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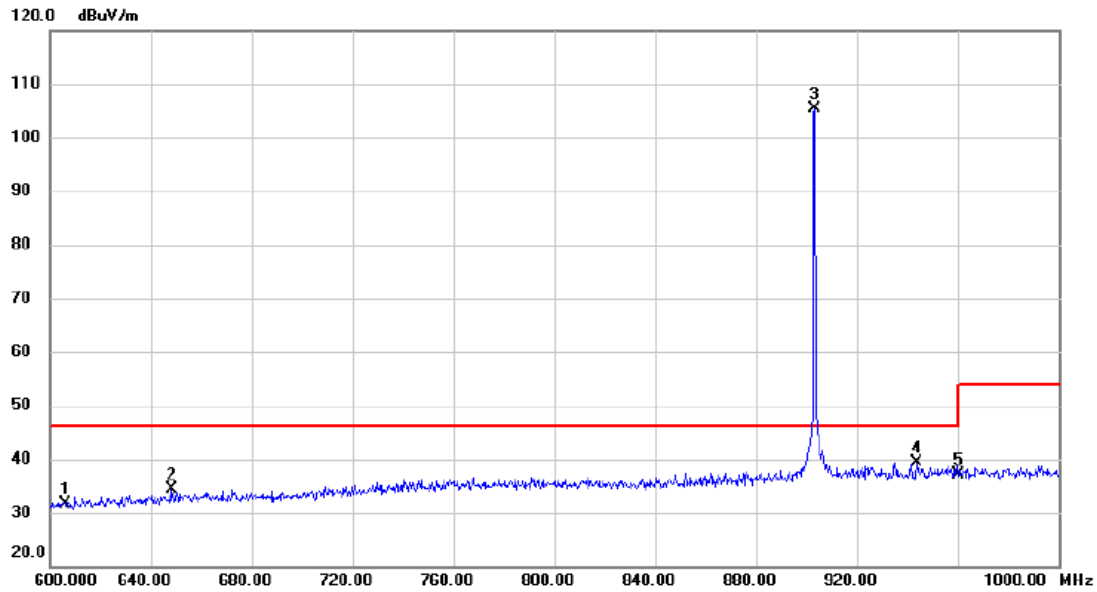


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		124.090	47.34	-12.70	34.64	43.52	-8.88	peak	
2	!	137.670	50.13	-11.42	38.71	43.52	-4.81	peak	
3	*	185.200	53.13	-12.18	40.95	43.52	-2.57	peak	
4	!	222.060	54.46	-13.38	41.08	46.02	-4.94	peak	
5		272.500	43.93	-10.55	33.38	46.02	-12.64	peak	
6		308.390	47.21	-9.48	37.73	46.02	-8.29	peak	

REMARKS:

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

Test Mode	TX Mode 903 MHz _CH00	Polarization	Vertical
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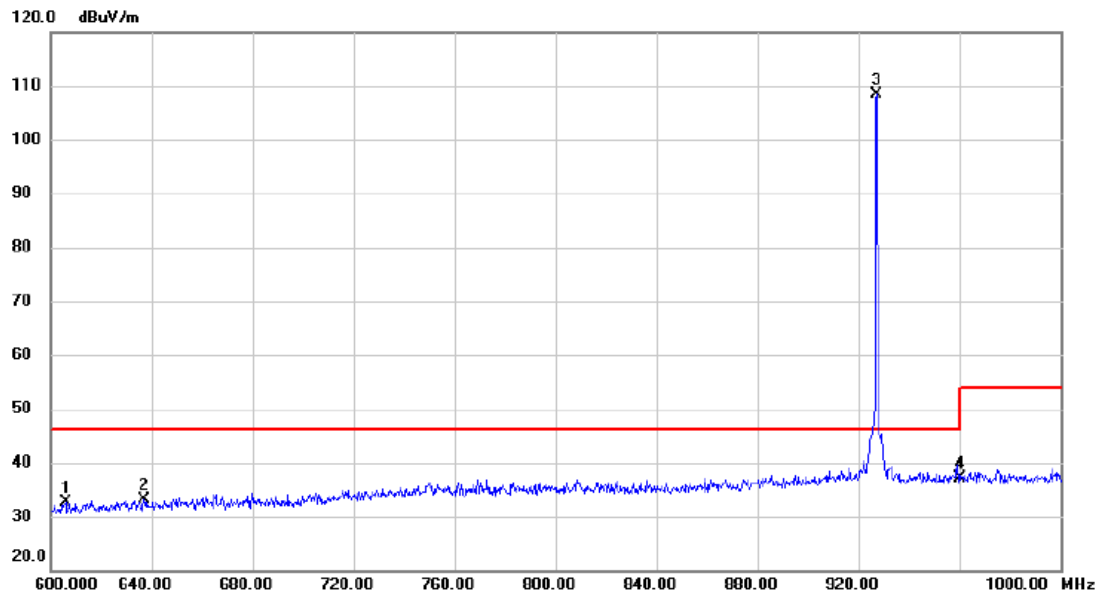


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		606.000	34.85	-3.23	31.62	46.02	-14.40	peak	
2		648.000	36.91	-2.54	34.37	46.02	-11.65	peak	
3	*	903.200	104.76	0.71	105.47	46.02	59.45	peak	No Limit
4		943.600	38.23	1.08	39.31	46.02	-6.71	peak	
5		960.000	36.01	1.21	37.22	46.02	-8.80	peak	

REMARKS:

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

Test Mode	TX Mode 927 MHz _CH02	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		606.000	35.89	-3.23	32.66	46.02	-13.36	peak	
2		637.200	35.78	-2.72	33.06	46.02	-12.96	peak	
3	*	927.200	107.48	0.94	108.42	46.02	62.40	peak	No Limit
4		960.000	35.85	1.21	37.06	46.02	-8.96	peak	

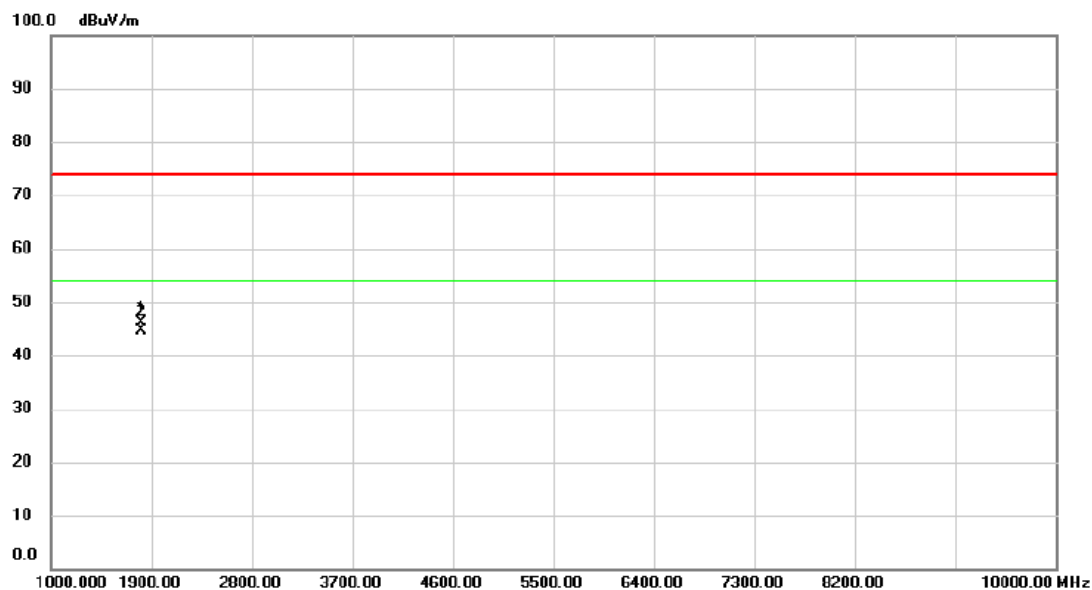
REMARKS:

(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 903 MHz _CH00	Polarization	Vertical
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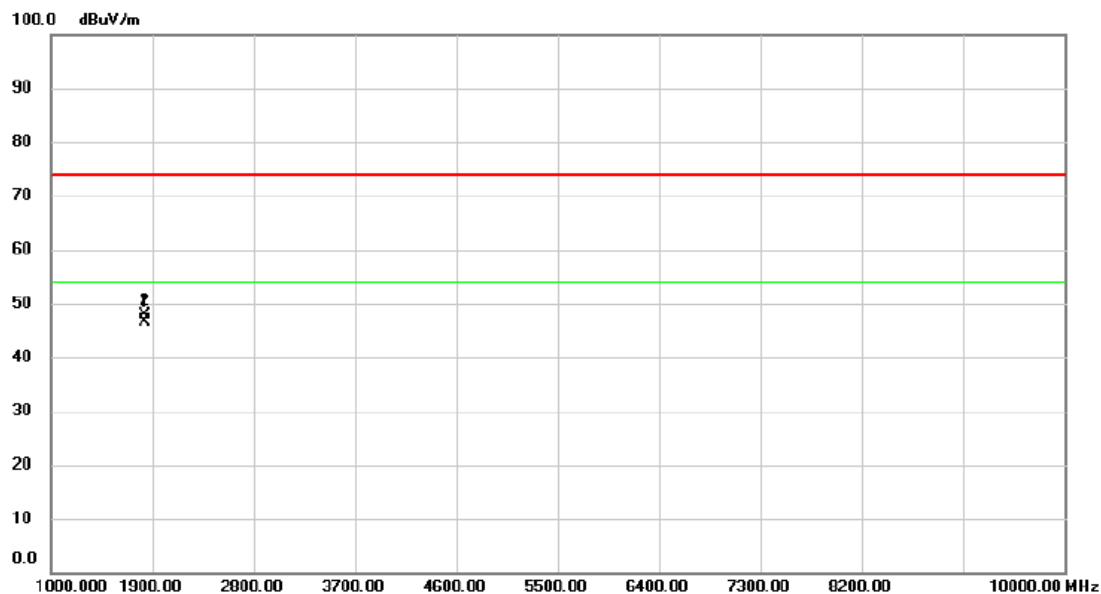


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1805.990	50.19	-4.16	46.03	74.00	-27.97	peak	
2	*	1806.060	48.87	-4.16	44.71	54.00	-9.29	AVG	

REMARKS:

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

Test Mode	TX Mode 915 MHz _CH01	Polarization	Vertical
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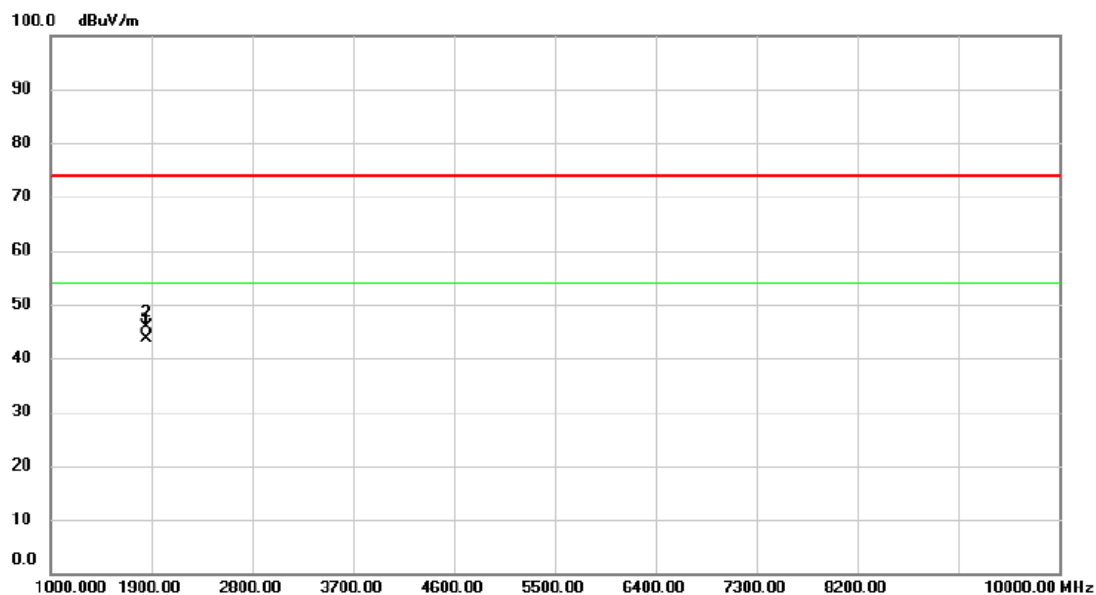
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	1830.040	50.56	-4.03	46.53	54.00	-7.47	AVG	
2		1830.090	51.93	-4.03	47.90	74.00	-26.10	peak	

REMARKS:

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

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

Test Mode	TX Mode 927 MHz _CH02	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	*	1854.070	47.65	-3.91	43.74	54.00	-10.26	AVG	
2		1854.120	49.82	-3.91	45.91	74.00	-28.09	peak	

REMARKS:

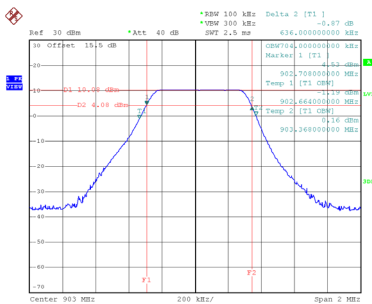
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

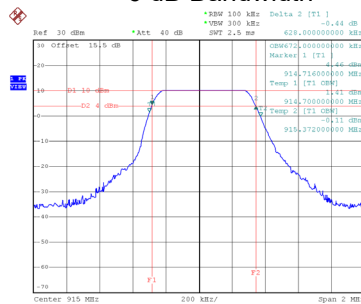
Test Mode	TX Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	903	0.636	0.536	0.50	Pass
01	915	0.628	0.528	0.50	Pass
02	927	0.636	0.532	0.50	Pass

CH00

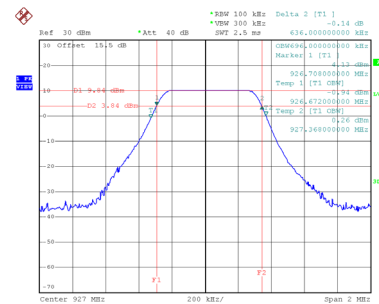


Date: 24.NOV.2025 19:12:23

CH01
6 dB Bandwidth


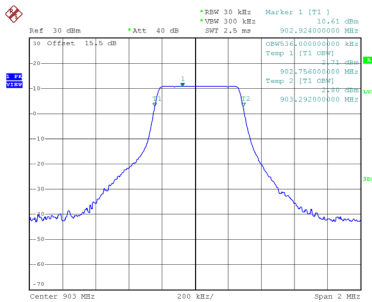
Date: 24.NOV.2025 19:08:10

CH02

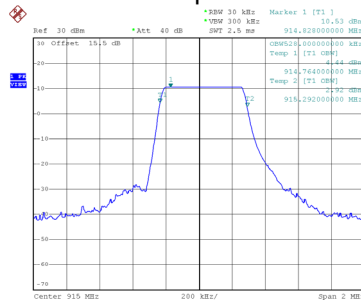


Date: 24.NOV.2025 19:05:49

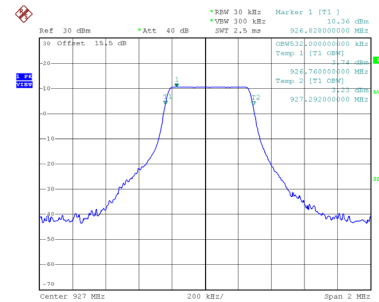
99 % Occupied Bandwidth



Date: 24.NOV.2025 19:13:57



Date: 24.NOV.2025 19:15:11

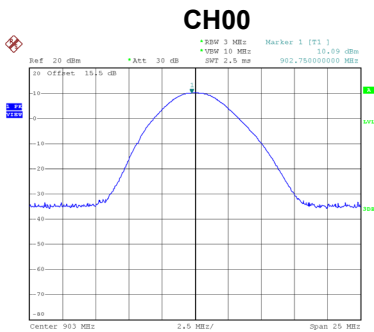


Date: 24.NOV.2025 19:16:10

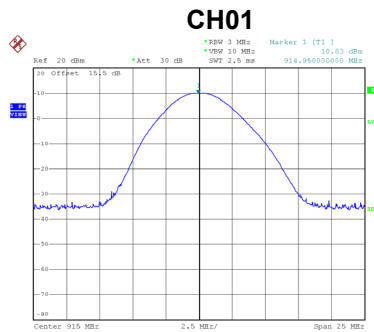
APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX Mode
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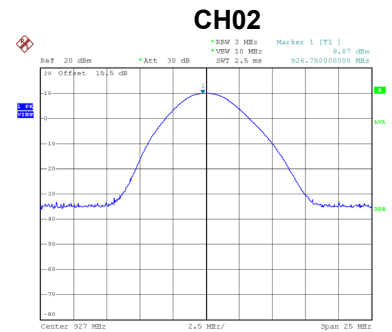
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	903	10.09	30.00	1.0000	Pass
01	915	10.03	30.00	1.0000	Pass
02	927	9.87	30.00	1.0000	Pass



Date: 24.NOV.2025 18:55:25



Date: 24.NOV.2025 18:56:13



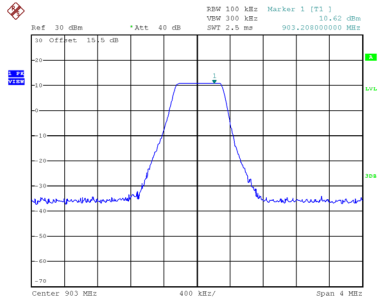
Date: 24.NOV.2025 18:57:04

APPENDIX G - CONDUCTED SPURIOUS EMISSION

Test Mode

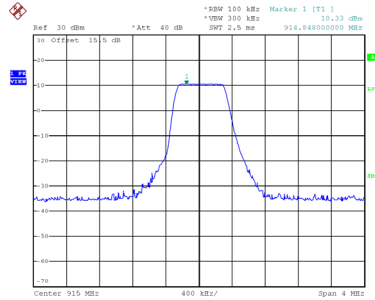
TX Mode

Reference Level-CH00



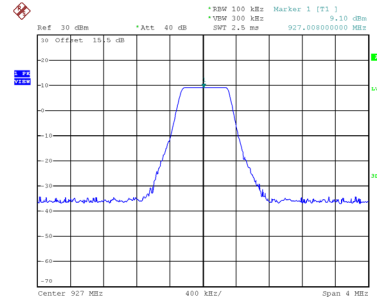
Date: 16.DEC.2025 10:19:52

Reference Level-CH01



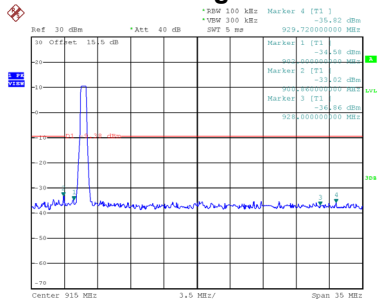
Date: 16.DEC.2025 15:06:17

Reference Level-CH02



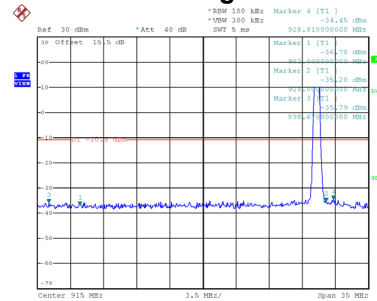
Date: 16.DEC.2025 11:19:48

Bandedge-CH00



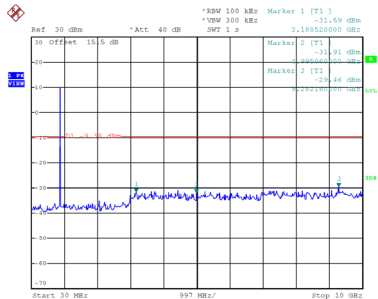
Date: 16.DEC.2025 16:51:54

Bandedge-CH02



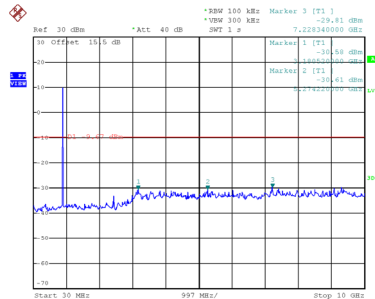
Date: 16.DEC.2025 10:12:41

Harmonic-CH00



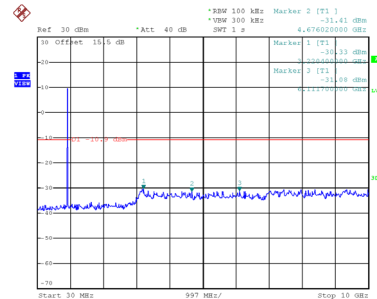
Date: 16.DEC.2025 19:47:46

Harmonic-CH01



Date: 16.DEC.2025 19:28:35

Harmonic-CH02

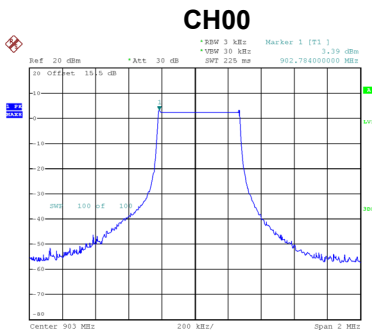


Date: 16.DEC.2025 11:18:12

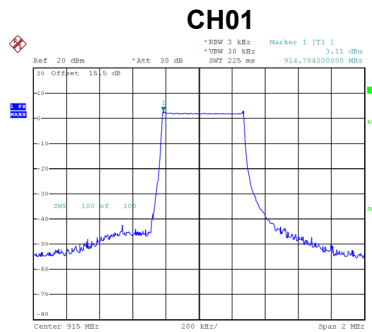
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX Mode
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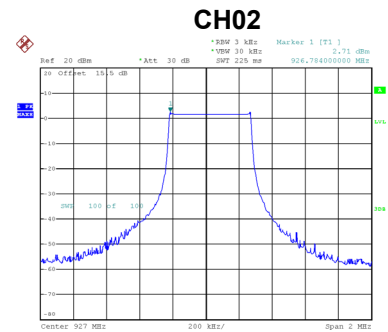
Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)	Max. Limit (dBm/3 kHz)	Test Result
00	903	3.39	8.00	Pass
01	915	3.11	8.00	Pass
02	927	2.71	8.00	Pass



Date: 16.DEC.2025 16:21:54



Date: 16.DEC.2025 16:28:50



Date: 16.DEC.2025 16:29:42

End of Test Report