



RF MEASUREMENT REPORT

FCC ID: TV7LR9G
Applicant: Mikrotiks SIA
Product: R11e-LR9G
Model No.: R11e-LR9G
Band Name: MikroTik
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Result: Complies
Received Date: 2025-02-18
Test Date: 2025-03-26 ~ 2025-04-10

Reviewed By:

Vincent Yu

Vincent Yu

Approved By:

Robin Wu

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1042026-U201	V01	Initial Report	2025-05-08	Invalid
R25S1042026-U201	V02	Modify Antenna Gain	2025-05-15	Valid

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1. General Information

1.1. Applicant

Mikrotikls SIA
 Ūnijas iela 2, Rīga, LV-1039, LATVIA

1.2. Manufacturer

Mikrotikls SIA
Ūnijas iela 2, Rīga, LV-1039, LATVIA

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian’edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People’s Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI:
	CNAS: L10551 ISED: CN0001 ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
	CNAS: L10551 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261
	ISED: TW3261

1.4. Product Information

Product Name	R11e-LR9G
Model No.	R11e-LR9G
Serial No.	HHA0ACQSPP2/442
LoRa Specification	903 ~ 927.5 MHz
GNSS Specification	GPS
Antenna Information	Refer to Section 1.7
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	903 ~ 927.5 MHz
Type of Modulation	FSK

1.6. Working Frequencies

Channel	Frequency	Channel	Frequency
00	903.0 MHz	08	923.3 MHz
01	904.6 MHz	09	923.9 MHz
02	906.2 MHz	10	924.5 MHz
03	907.8 MHz	11	925.1 MHz
04	909.4 MHz	12	925.7 MHz
05	911.0 MHz	13	926.3 MHz
06	912.6 MHz	14	926.9 MHz
07	914.2 MHz	15	927.5 MHz

1.7. Antenna Details

Antenna No.	Antenna Type	Antenna Gain (dBi)
Antenna 1#	FRP Antenna	5.2dBi
Antenna 2#	PCB Antenna	2.0dBi

Note: In this report, the EUT was tested with the above two antennas.

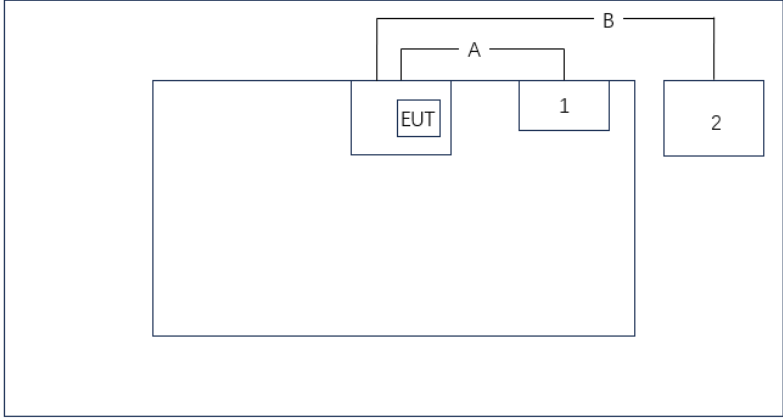
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at 903.0MHz
Mode 2: Transmit at 923.3MHz
Mode 3: Transmit at 927.5MHz

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram			
			
Cable Type		Cable Description	Length
A	Power Cable	Non-Shielding	1.5 m
B	LAN Cable	Shielding, Cat 6	>10 m
Product		Manufacturer	Model No.
1	Adapter	Mikrotikls SIA	SAW30-240-0800G
2	Notebook	Lenovo	E430C

2.3. Test Software

The test utility software used during testing was “WinBox” and the version was “3.41”.

2.4. Applied Standards

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

- FCC Part 15.247
- KDB 558074 D01v05r02
- ANSI C63.10-2013

2.5. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2025-04-17	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2025-05-06	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2025-04-18	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2026-01-04	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2025-05-12	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2025-05-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11091	1 year	2025-06-05	WZ-SR5
Cable	UCwave	UCE500	24060015	Note	Note	WZ-SR5
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2025-05-12	WZ-SR2
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2025-09-05	WZ-SR2

Note: The loss of the RF cable will be measured before testing.

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	1.02	RE Antenna & Turntable
BenchVue Power Meter	2018.1	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.58dB 150kHz~30MHz: 3.20dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.35dB Coplanar: 9kHz~30MHz: 2.37dB Horizontal: 30MHz~200MHz: 3.47dB 200MHz~1GHz: 4.17dB 1GHz~40GHz: 4.97dB Vertical: 30MHz~200MHz: 4.07dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.84dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.5dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.5dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.5dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 3.2%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.247(a)(2)	6dB Bandwidth	Conducted	Pass
15.247(b)(3)	Output Power		Pass
15.247(e)	Power Spectral Density		Pass
15.247(d)	Band Edge / Out-of-Band Emissions		Pass
15.205 15.209	General Field Strength (Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Notes:

- The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- For radiated emission tests, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
- The power settings of Antenna 1# is higher than Antenna 2#, so the power settings of Antenna 1# were used for “6dB Bandwidth”, “Power Spectral Density” and “Band Edge / Out-of-Band Emissions” tests. Detailed power settings information please refer to Operation Description document.

6.2. 6dB Bandwidth Measurement

6.2.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

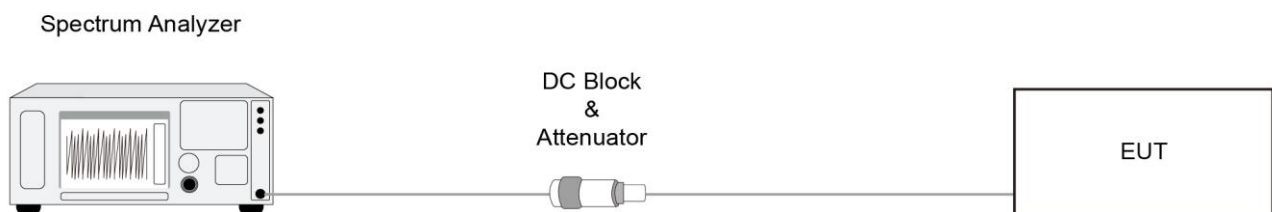
6.2.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.8

6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set RBW = 100 kHz
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.2.

6.3. Output Power Measurement

6.3.1. Test Limit

The maximum output power shall be less 1 Watt (30dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3.2. Test Procedure

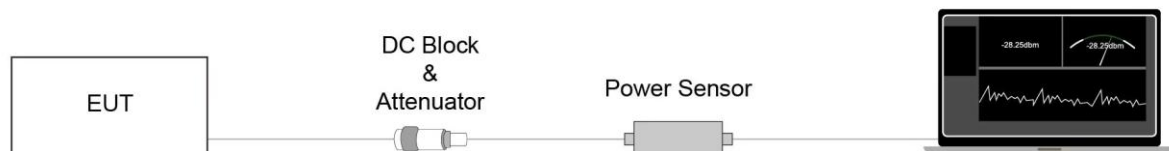
ANSI C63.10 - 2013 - Section 11.9.2.3.2

6.3.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Power Spectral Density Measurement

6.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

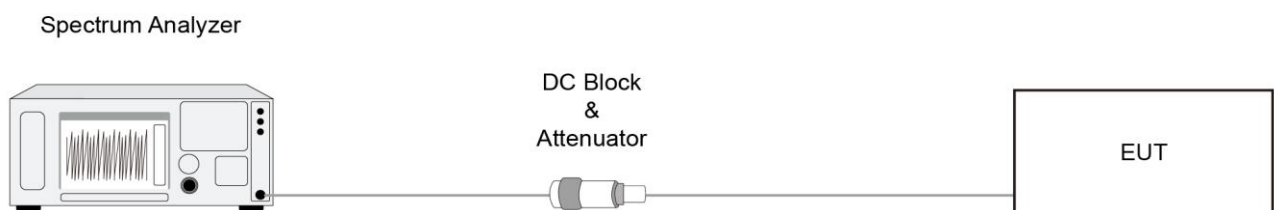
6.4.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.10.5

6.4.3. Test Setting

1. Measure the duty cycle (x) of the transmitter output signal.
2. Set instrument center frequency to DTS channel center frequency.
3. Set span to at least 1.5 times the OBW.
4. RBW = 10 kHz.
5. VBW = 30 kHz.
6. Detector = RMS.
7. Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span}/\text{RBW}$.
8. Sweep time = auto couple.
9. Don't use sweep triggering. Allow sweep to "free run".
10. Employ trace averaging (RMS) mode over a minimum of 100 traces.
11. Use the peak marker function to determine the maximum amplitude level.
12. Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time. If measured value exceeds requirement specified by regulatory agency, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Conducted Band Edge and Out-of-Band Emissions Measurement

6.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

6.5.2. Test Procedure

ANSI C63.10-2013 - Section 11.11

6.5.3. Test Setting

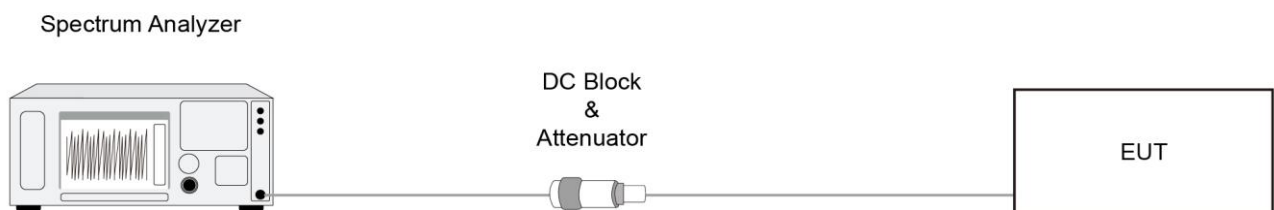
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.5.

6.6. Radiated Spurious Emission Measurement

6.6.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.6.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

6.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

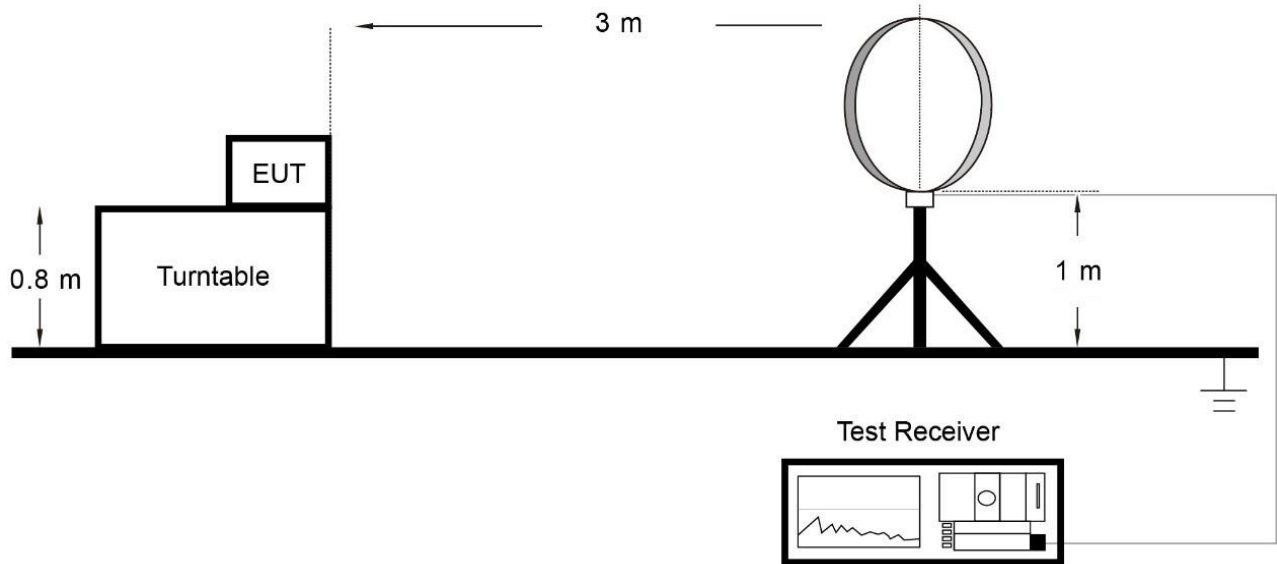
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

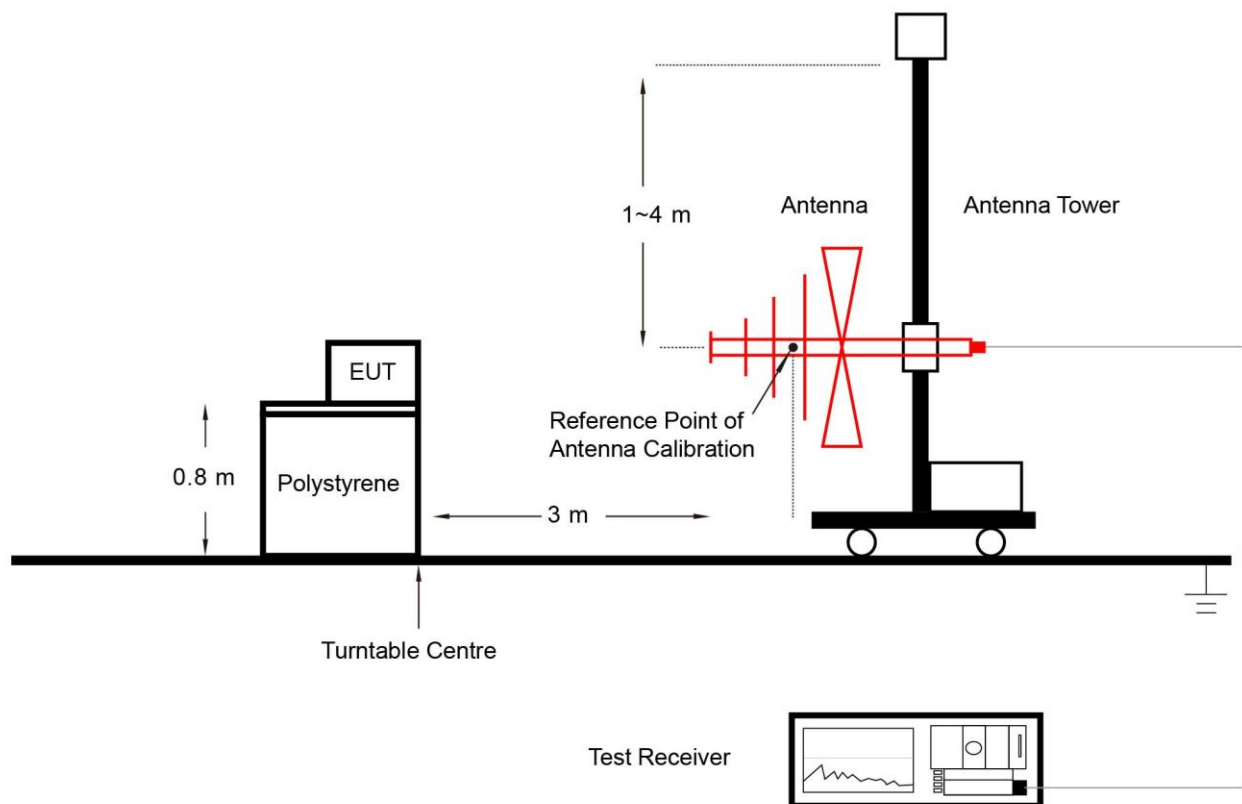
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.6.4. Test Setup

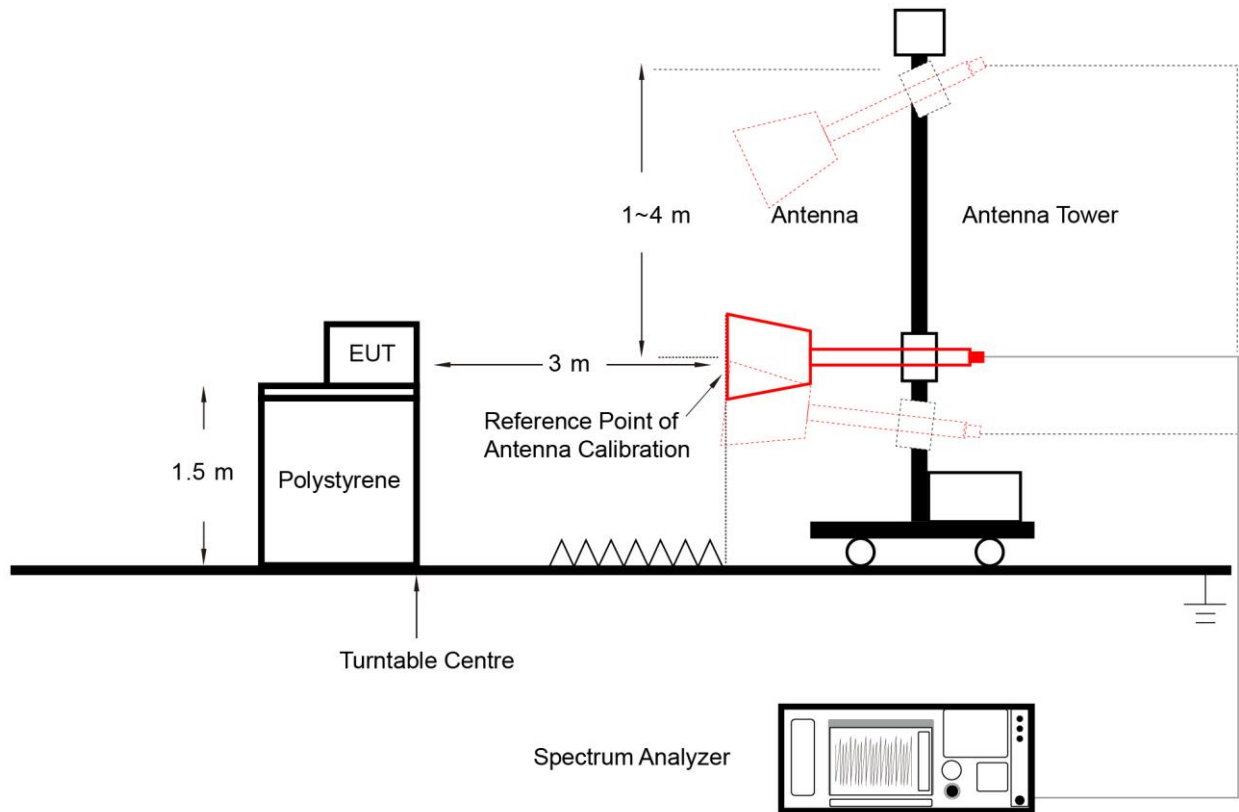
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.6.

6.7. AC Conducted Emissions Measurement

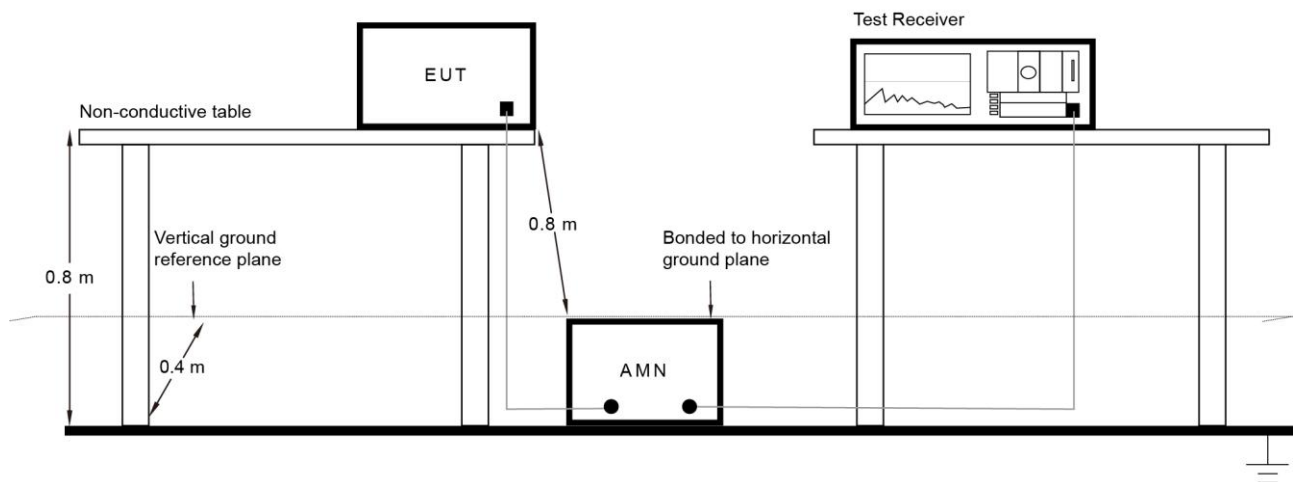
6.7.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.7.2. Test Setup



6.7.3. Test Result

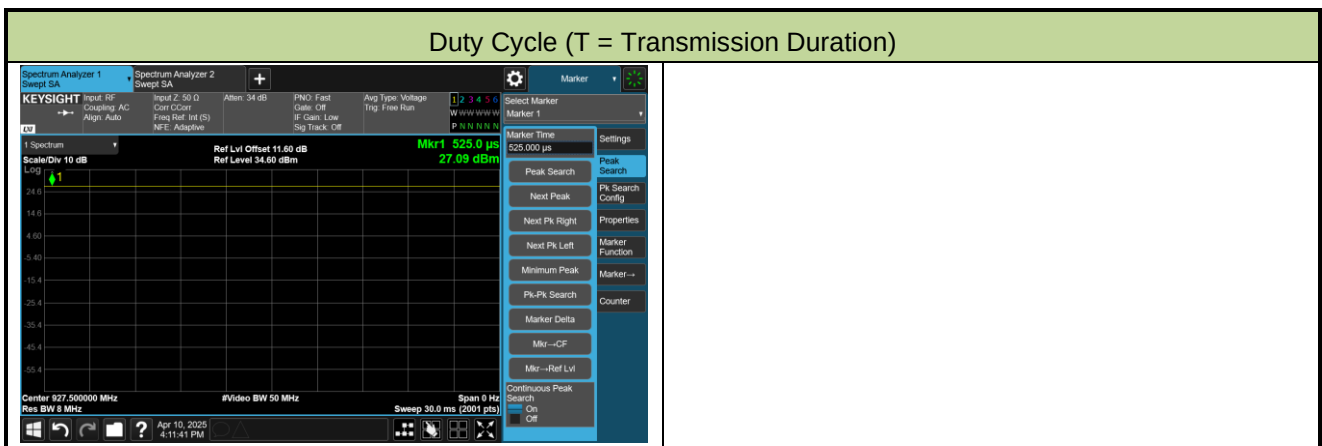
Refer to Appendix A.7.

Appendix A – Test Result

A.1 Duty Cycle Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-10		

Frequency (MHz)	Duty Cycle
927.5	100%



A.2 6dB Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-01		

Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
903.0	0.6539	≥ 0.5	Pass
923.3	0.6144	≥ 0.5	Pass
927.5	0.6218	≥ 0.5	Pass



A.3 Output Power Test Result

Antenna 1#

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-01		

Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Test Result
903.0	26.58	≤ 30.00	Pass
923.3	26.55	≤ 30.00	Pass
927.5	26.45	≤ 30.00	Pass

Antenna 2#

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-01		

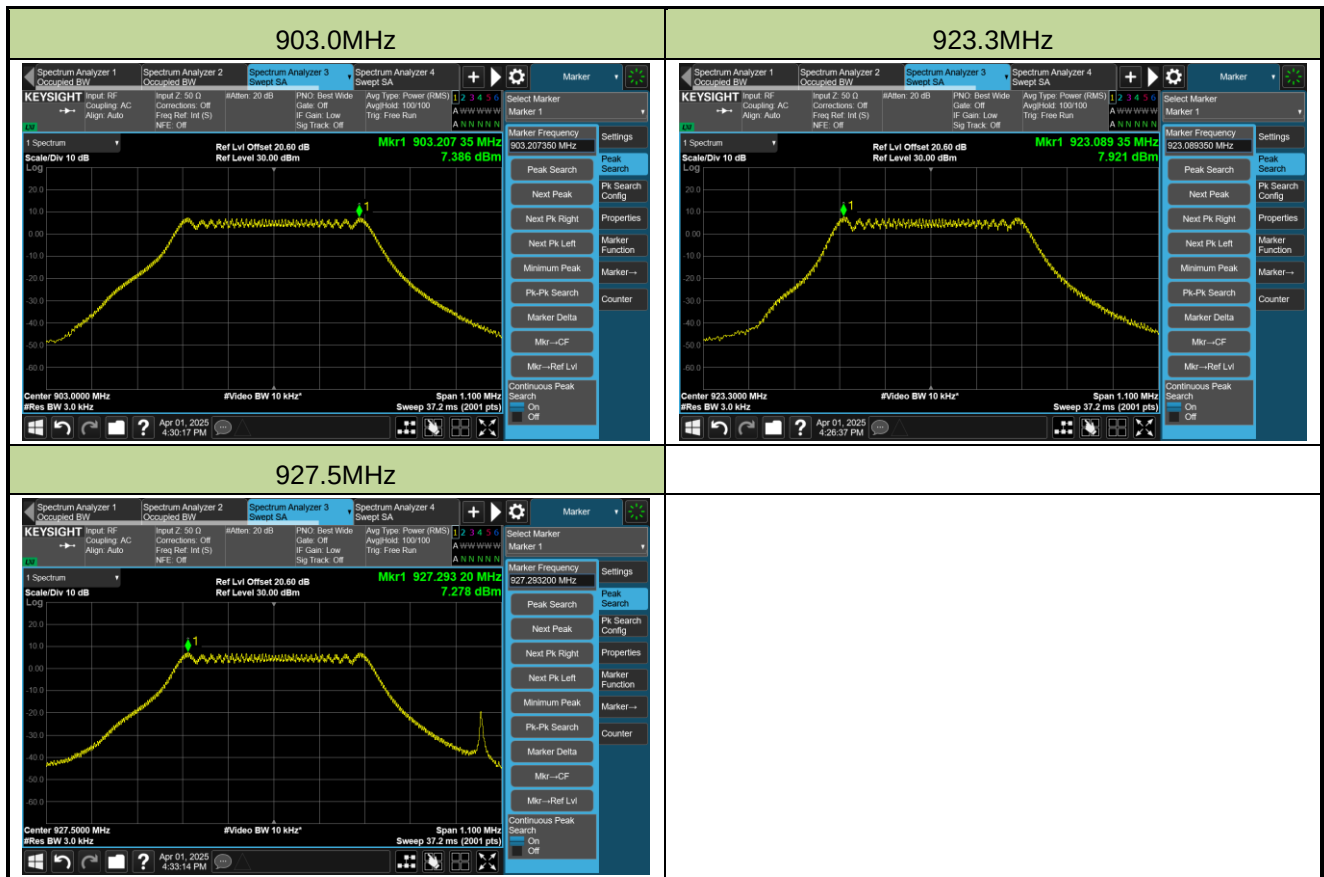
Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Test Result
903.0	25.25	≤ 30.00	Pass
923.3	25.30	≤ 30.00	Pass
927.5	24.93	≤ 30.00	Pass

A.4 Power Spectral Density Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-01		

Frequency (MHz)	Average PSD (dBm / 3kHz)	Duty Cycle (%)	Total PSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Test Result
903.0	7.386	100	7.386	≤ 8.00	Pass
923.3	7.921	100	7.921	≤ 8.00	Pass
927.5	7.278	100	7.278	≤ 8.00	Pass

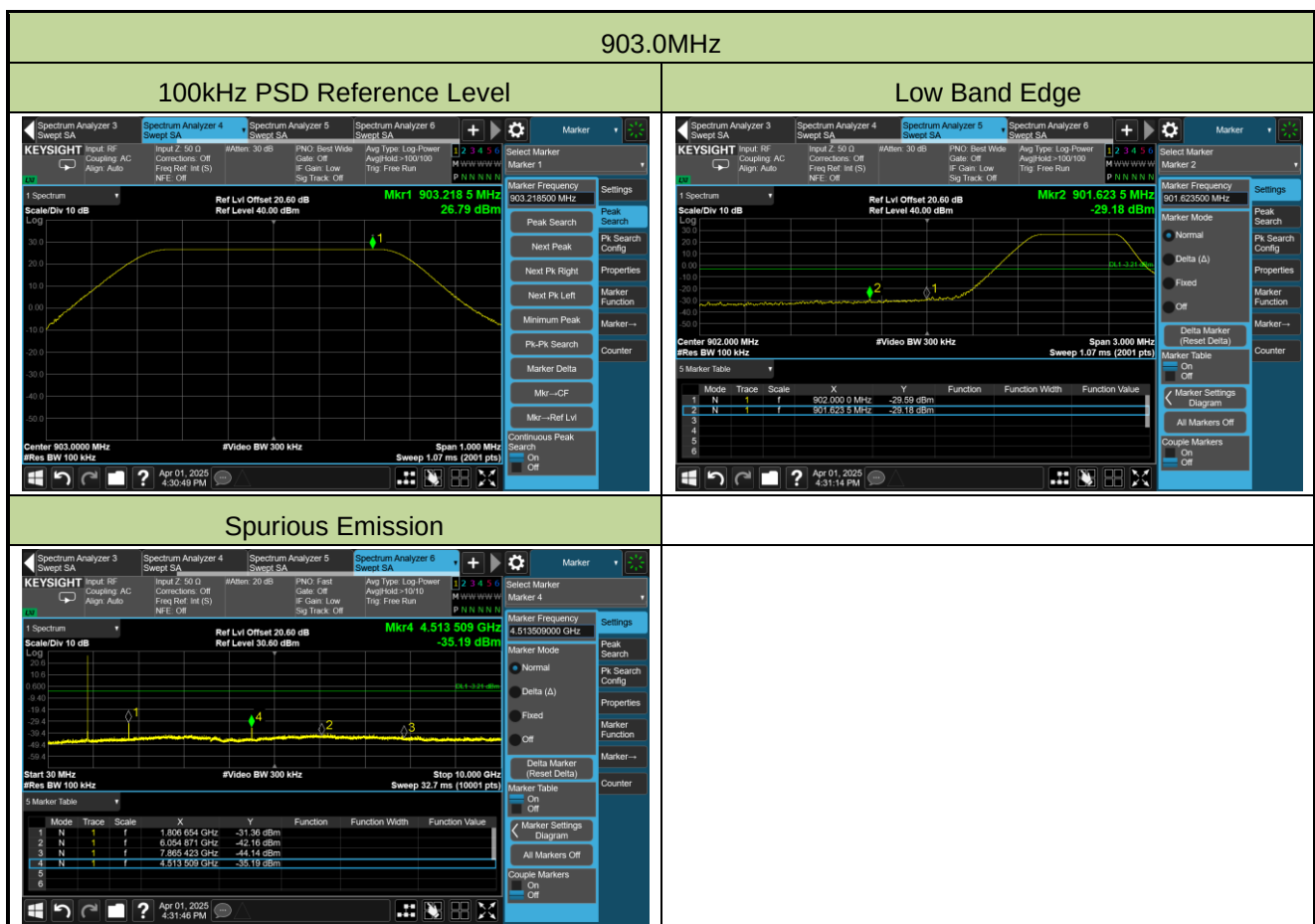
Note: The EUT duty cycle ≥ 98%, Total PSD (dBm / 3kHz) = Average PSD (dBm / 3kHz).



A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-04-01		

Frequency (MHz)	Limit (dBc)	Test Result
903.0	30	Pass
923.3	30	Pass
927.5	30	Pass

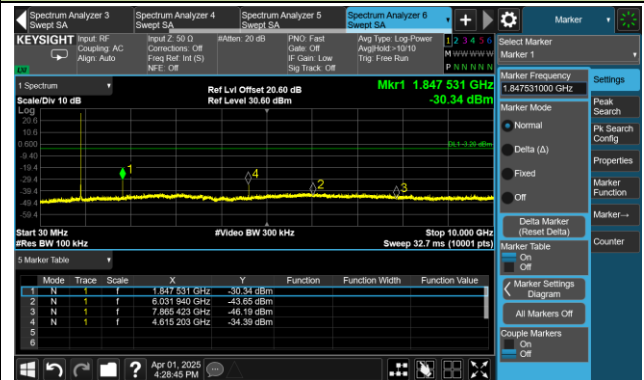


923.3MHz

100kHz PSD Reference Level

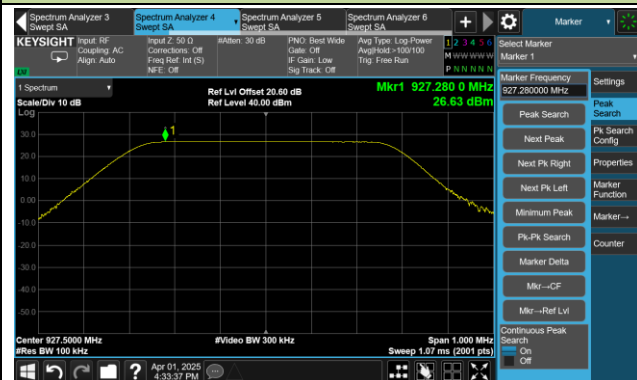


Spurious Emission

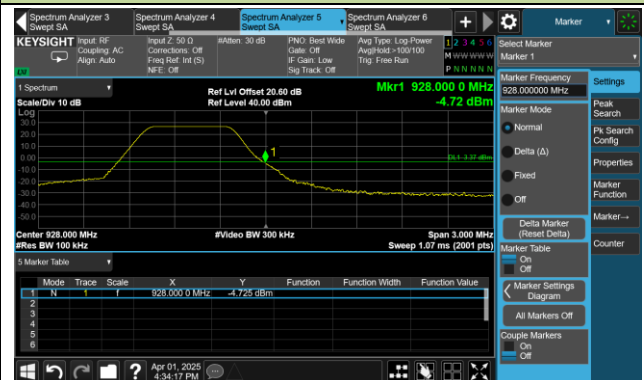


927.5MHz

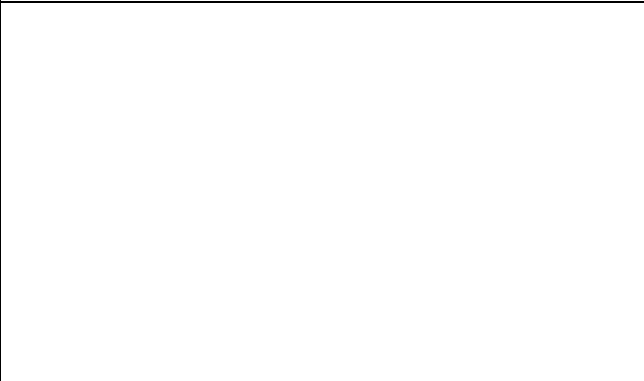
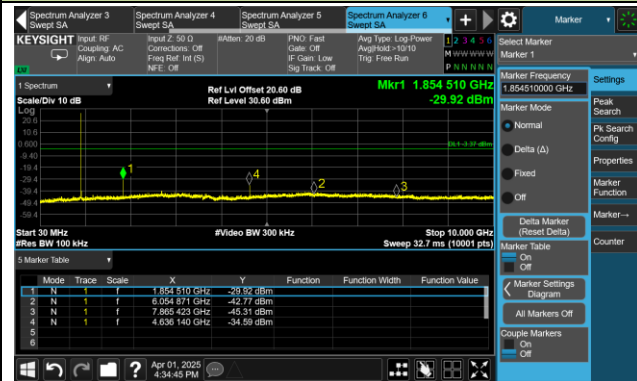
100kHz PSD Reference Level



High Band Edge



Spurious Emission



A.6 Radiated Spurious Emission Test Result

Antenna 1#

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2025-03-26		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
903.0	4637.8	46.3	2.5	48.8	74.0	-25.2	Peak	Horizontal
	7419.7	39.1	11.0	50.1	74.0	-23.9	Peak	Horizontal
	8348.5	36.2	10.3	46.5	54.0	-7.5	Average	Horizontal
	8348.5	46.6	10.3	56.9	74.0	-17.1	Peak	Horizontal
	4638.7	44.0	2.5	46.5	54.0	-7.5	Average	Vertical
	4638.7	50.3	2.5	52.8	74.0	-21.2	Peak	Vertical
	7420.6	36.6	11.0	47.6	54.0	-6.4	Average	Vertical
	7420.6	44.1	11.0	55.1	74.0	-18.9	Peak	Vertical
	8348.5	33.9	10.3	44.2	54.0	-9.8	Average	Vertical
	8348.5	45.1	10.3	55.4	74.0	-18.6	Peak	Vertical
923.3	4616.2	48.0	2.2	50.2	74.0	-23.8	Peak	Horizontal
	7387.3	37.0	10.7	47.7	74.0	-26.3	Peak	Horizontal
	8309.8	37.1	10.1	47.2	54.0	-6.8	Average	Horizontal
	8309.8	49.1	10.1	59.2	74.0	-14.8	Peak	Horizontal
	4617.6	47.8	2.2	50.0	54.0	-4.0	Average	Vertical
	4617.6	53.3	2.2	55.5	74.0	-18.5	Peak	Vertical
	7385.2	33.5	10.7	44.2	54.0	-9.8	Average	Vertical
	7385.2	41.7	10.7	52.4	74.0	-21.6	Peak	Vertical
	8308.3	37.0	10.1	47.1	54.0	-6.9	Average	Vertical
	8308.3	47.3	10.1	57.4	74.0	-16.6	Peak	Vertical
927.5	4637.8	46.7	2.5	49.2	74.0	-24.8	Peak	Horizontal
	7419.7	39.0	11.0	50.0	74.0	-24.0	Peak	Horizontal
	8347.6	35.0	10.3	45.3	54.0	-8.7	Average	Horizontal
	8347.6	47.2	10.3	57.5	74.0	-16.5	Peak	Horizontal
	4638.7	43.1	2.5	45.6	54.0	-8.4	Average	Vertical
	4638.7	50.1	2.5	52.6	74.0	-21.4	Peak	Vertical
	7418.8	35.9	11.0	46.9	54.0	-7.1	Average	Vertical

	7418.8	44.1	11.0	55.1	74.0	-18.9	Peak	Vertical
	8346.7	35.3	10.3	45.6	54.0	-8.4	Average	Vertical
	8346.7	45.2	10.3	55.5	74.0	-18.5	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Antenna 2#

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2025-03-26		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
903.0	3611.8	50.8	-1.4	49.4	54.0	-4.6	Average	Horizontal
	3611.8	55.8	-1.4	54.4	74.0	-19.6	Peak	Horizontal
	4513.6	44.0	1.8	45.8	54.0	-8.2	Average	Horizontal
	4513.6	50.2	1.8	52.0	74.0	-22.0	Peak	Horizontal
	5417.2	48.9	2.8	51.7	54.0	-2.3	Average	Horizontal
	5417.2	57.0	2.8	59.8	74.0	-14.2	Peak	Horizontal
	8128.0	38.4	10.8	49.2	74.0	-24.8	Peak	Horizontal
	9028.0	38.4	12.7	51.1	74.0	-22.9	Peak	Horizontal
	2709.1	46.1	-2.6	43.5	74.0	-30.5	Peak	Vertical
	3611.8	52.6	-1.4	51.2	54.0	-2.8	Average	Vertical
	3611.8	55.5	-1.4	54.1	74.0	-19.9	Peak	Vertical
	4515.4	49.7	1.8	51.5	54.0	-2.5	Average	Vertical
	4515.4	53.1	1.8	54.9	74.0	-19.1	Peak	Vertical
	5418.1	50.2	2.8	53.0	54.0	-1.0	Average	Vertical
	5418.1	57.1	2.8	59.9	74.0	-14.1	Peak	Vertical
	8128.9	39.2	10.8	50.0	74.0	-24.0	Peak	Vertical
	9031.6	40.4	12.6	53.0	74.0	-21.0	Peak	Vertical
923.3	3692.8	46.1	-1.2	44.9	74.0	-29.1	Peak	Horizontal
	4618.0	44.4	2.2	46.6	54.0	-7.4	Average	Horizontal
	4618.0	49.5	2.2	51.7	74.0	-22.3	Peak	Horizontal
	7384.6	37.8	10.7	48.5	74.0	-25.5	Peak	Horizontal
	8309.8	36.7	10.1	46.8	54.0	-7.2	Average	Horizontal
	8309.8	46.3	10.1	56.4	74.0	-17.6	Peak	Horizontal
	2770.3	46.3	-2.6	43.7	74.0	-30.3	Peak	Vertical
	3693.7	46.9	-1.2	45.7	74.0	-28.3	Peak	Vertical
	4616.2	47.6	2.2	49.8	54.0	-4.2	Average	Vertical
	4616.2	52.7	2.2	54.9	74.0	-19.1	Peak	Vertical
	7384.6	35.8	10.7	46.5	54.0	-7.5	Average	Vertical

	7384.6	44.0	10.7	54.7	74.0	-19.3	Peak	Vertical
	8308.0	37.0	10.1	47.1	54.0	-6.9	Average	Vertical
	8308.0	46.6	10.1	56.7	74.0	-17.3	Peak	Vertical
927.5	2782.0	48.5	-2.5	46.0	74.0	-28.0	Peak	Horizontal
	3709.9	45.8	-1.2	44.6	74.0	-29.4	Peak	Horizontal
	4637.8	43.8	2.5	46.3	54.0	-7.7	Average	Horizontal
	4637.8	49.1	2.5	51.6	74.0	-22.4	Peak	Horizontal
	7418.8	38.7	11.0	49.7	74.0	-24.3	Peak	Horizontal
	8345.8	34.3	10.3	44.6	54.0	-9.4	Average	Horizontal
	8345.8	45.2	10.3	55.5	74.0	-18.5	Peak	Horizontal
	3709.0	47.3	-1.2	46.1	74.0	-27.9	Peak	Vertical
	4637.8	47.3	2.5	49.8	54.0	-4.2	Average	Vertical
	4637.8	52.7	2.5	55.2	74.0	-18.8	Peak	Vertical
	7420.6	36.7	11.0	47.7	54.0	-6.3	Average	Vertical
	7420.6	44.7	11.0	55.7	74.0	-18.3	Peak	Vertical
	8345.8	35.6	10.3	45.9	54.0	-8.1	Average	Vertical
	8345.8	44.6	10.3	54.9	74.0	-19.1	Peak	Vertical

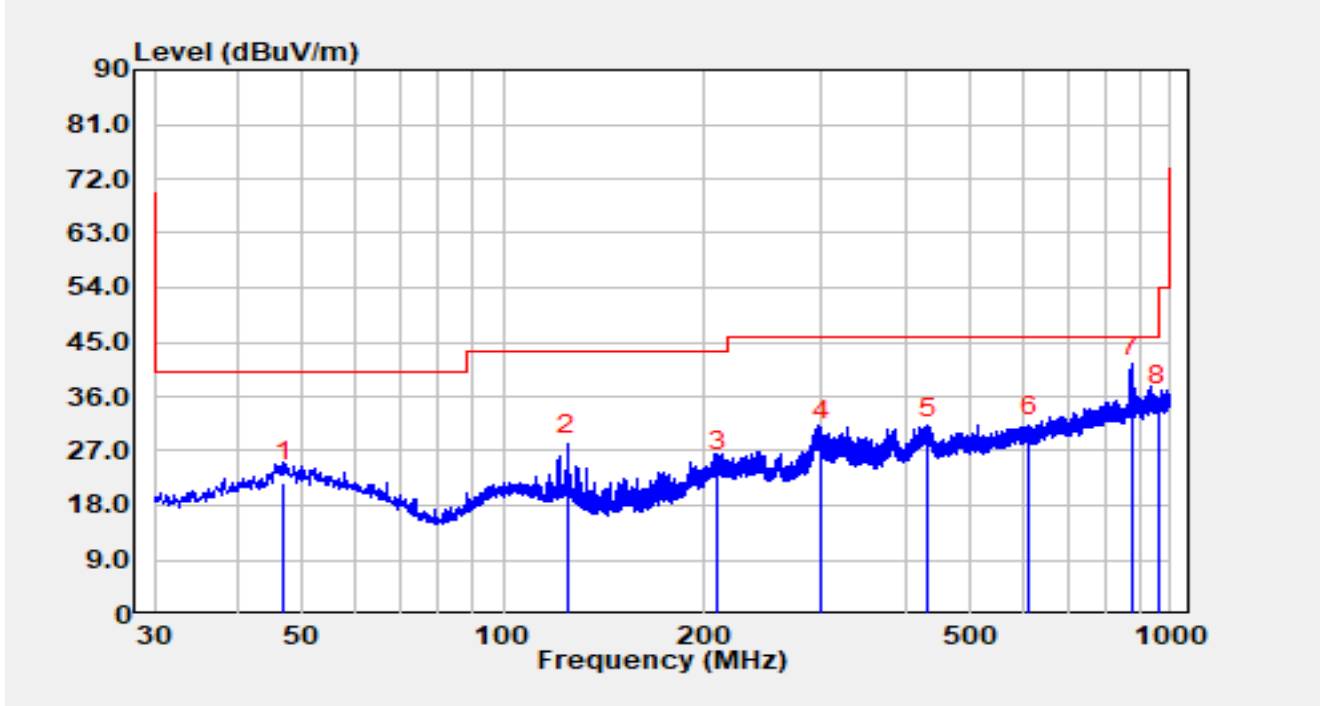
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Antenna 1#

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		

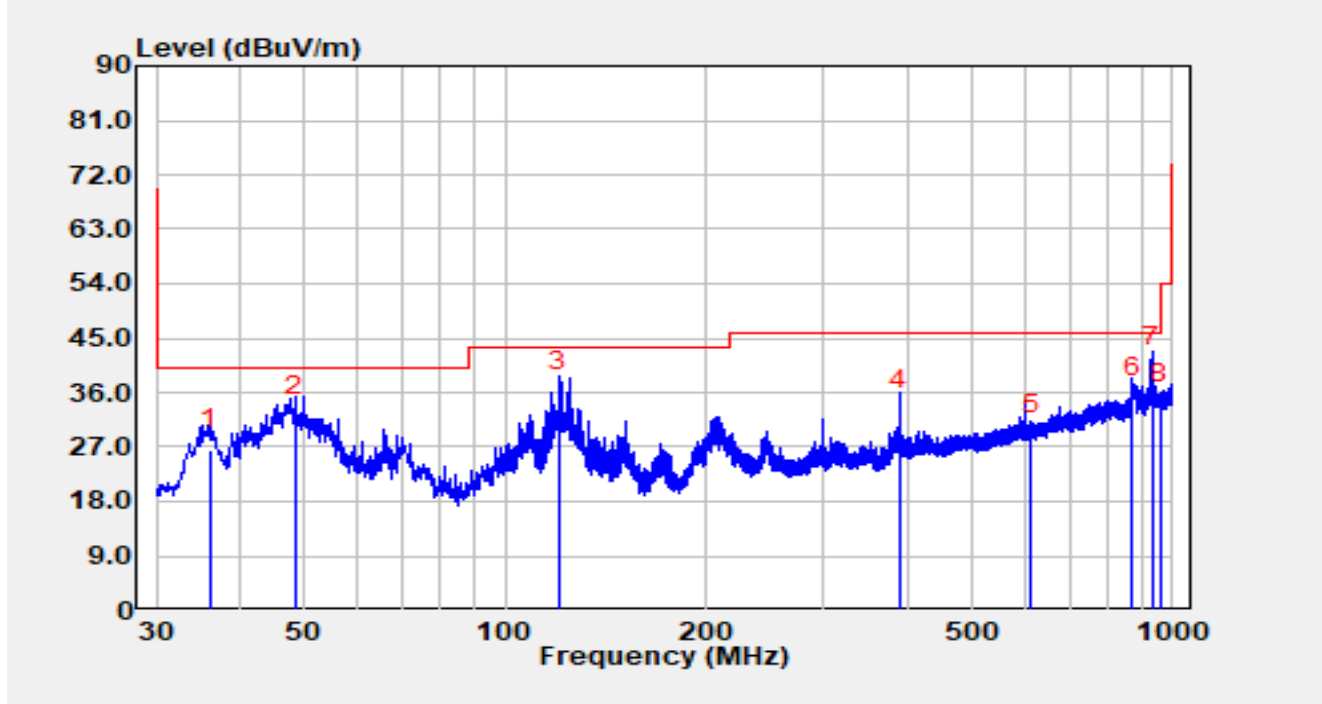


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		46.88	1.29	20.58	21.87	-18.13	40.00	QP
2		125.00	10.33	16.00	26.34	-17.16	43.50	QP
3		209.16	5.38	18.28	23.66	-19.84	43.50	QP
4		300.00	7.60	20.97	28.57	-17.43	46.00	QP
5		432.65	5.29	23.73	29.02	-16.98	46.00	QP
6		614.00	2.12	27.33	29.45	-16.55	46.00	QP
7	*	874.68	8.37	30.86	39.23	-6.77	46.00	QP
8		960.00	2.77	31.67	34.43	-11.57	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBUV/m) = Reading (dBUV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		

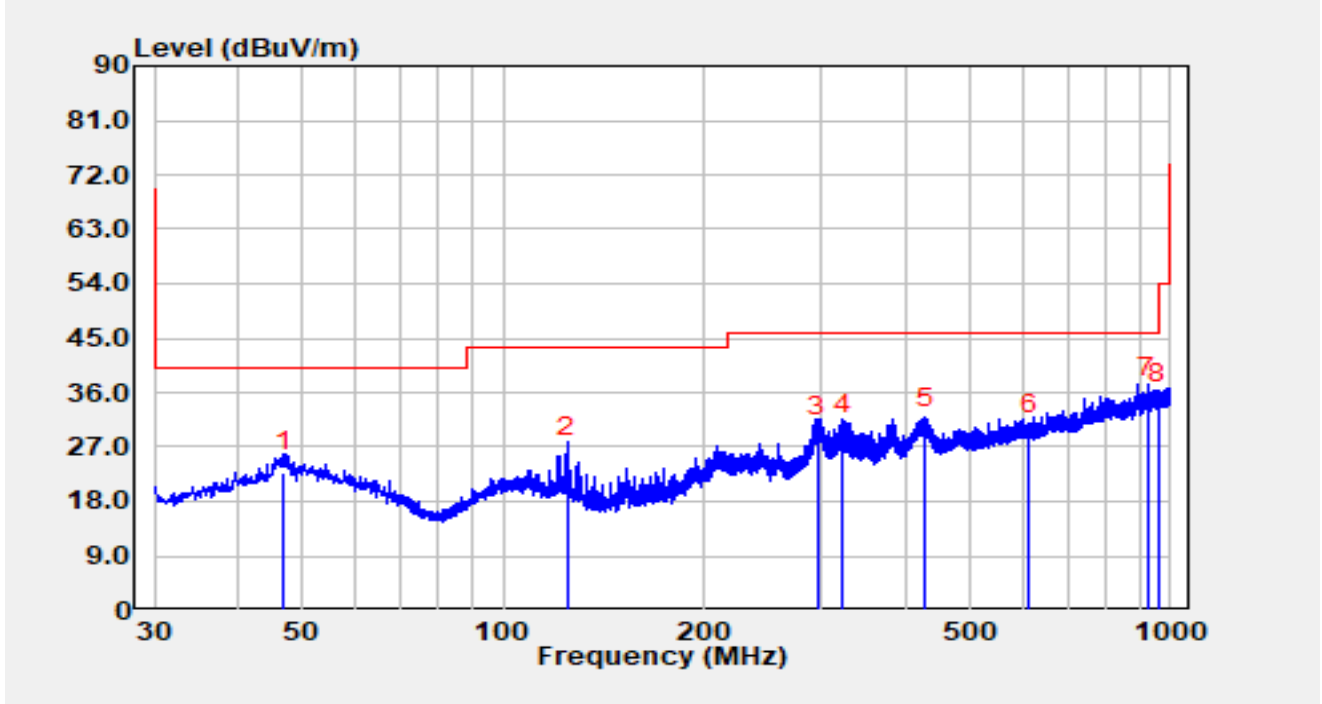


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		36.11	8.62	18.03	26.65	-13.35	40.00	QP
2		48.43	11.55	20.52	32.07	-7.93	40.00	QP
3		120.00	19.44	16.68	36.12	-7.38	43.50	QP
4		389.58	9.66	23.29	32.95	-13.05	46.00	QP
5		614.00	1.68	27.33	29.01	-16.99	46.00	QP
6		870.89	4.28	30.85	35.13	-10.87	46.00	QP
7	*	930.40	8.69	31.46	40.15	-5.85	46.00	QP
8		960.00	2.55	31.67	34.21	-11.79	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 923.3MHz		

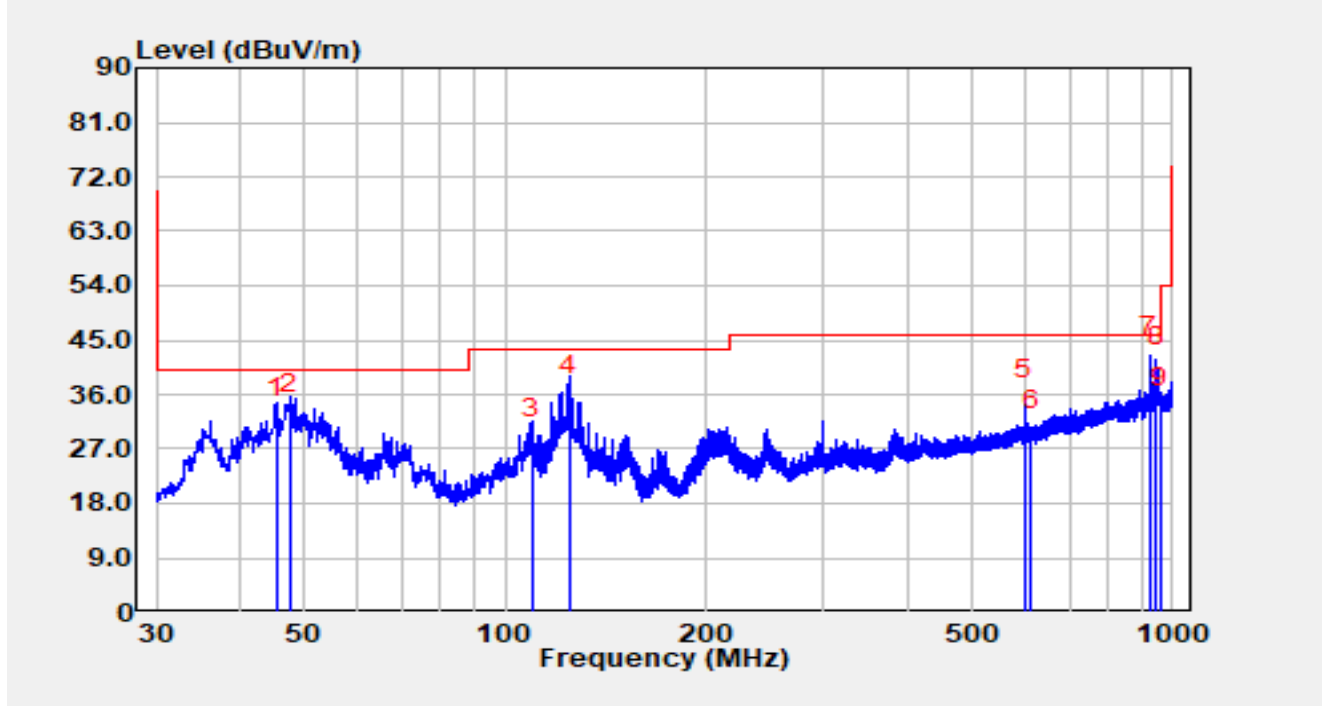


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		46.98	2.18	20.60	22.78	-17.22	40.00	QP
2		124.96	9.27	16.01	25.28	-18.22	43.50	QP
3		295.39	7.88	20.97	28.85	-17.15	46.00	QP
4		323.43	7.48	21.64	29.12	-16.88	46.00	QP
5		428.19	6.33	23.71	30.04	-15.96	46.00	QP
6		614.00	1.80	27.33	29.13	-16.87	46.00	QP
7	*	923.08	3.95	31.35	35.30	N/A	N/A	QP
8		960.00	2.56	31.67	34.23	-11.77	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Point (7) is the fundamental frequency.

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 923.3MHz		

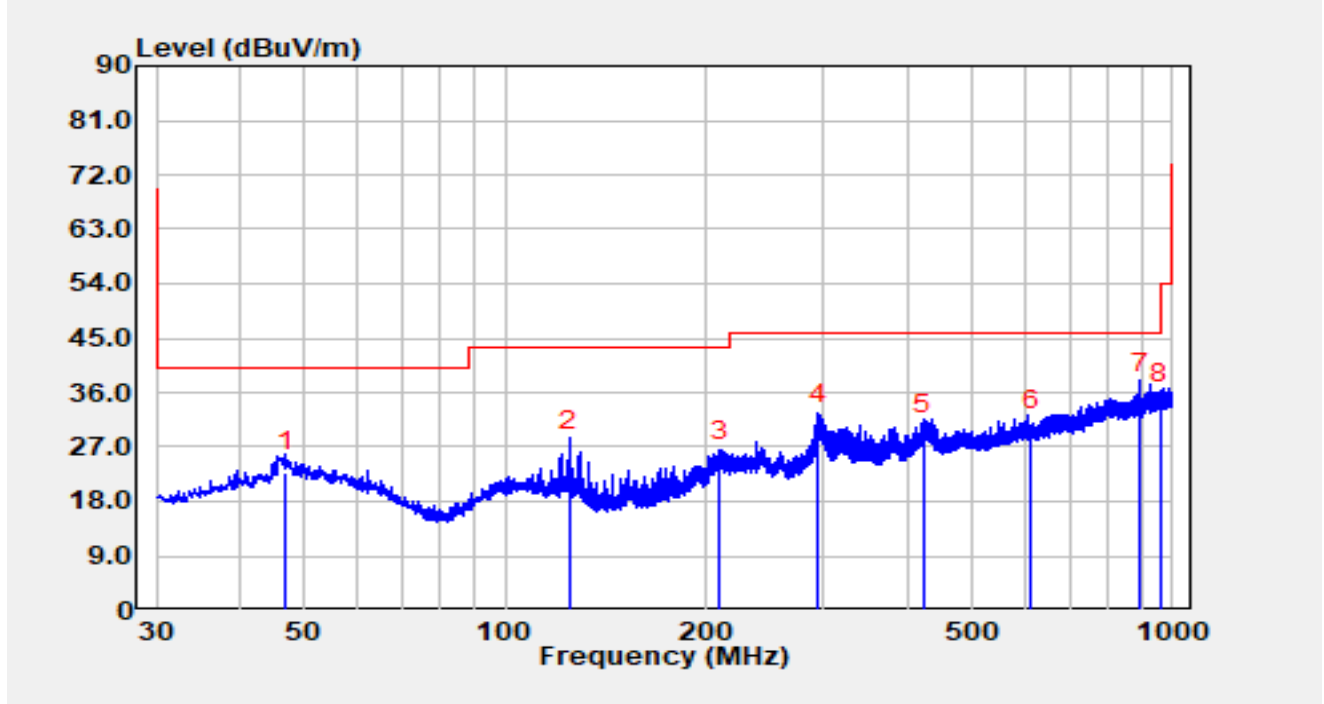


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		45.33	11.73	20.41	32.14	-7.86	40.00	QP
2		47.56	12.39	20.52	32.91	-7.09	40.00	QP
3		109.44	10.48	18.33	28.81	-14.69	43.50	QP
4		125.00	19.82	16.01	35.83	-7.67	43.50	QP
5		600.00	7.96	27.20	35.16	-10.84	46.00	QP
6		614.00	2.82	27.33	30.14	-15.86	46.00	QP
7	*	923.08	10.97	31.35	42.32	N/A	N/A	Peak
8		946.26	8.81	31.64	40.45	-5.55	46.00	QP
9		960.00	2.06	31.67	33.72	-12.28	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Point (7) is the fundamental frequency.

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 927.5MHz		

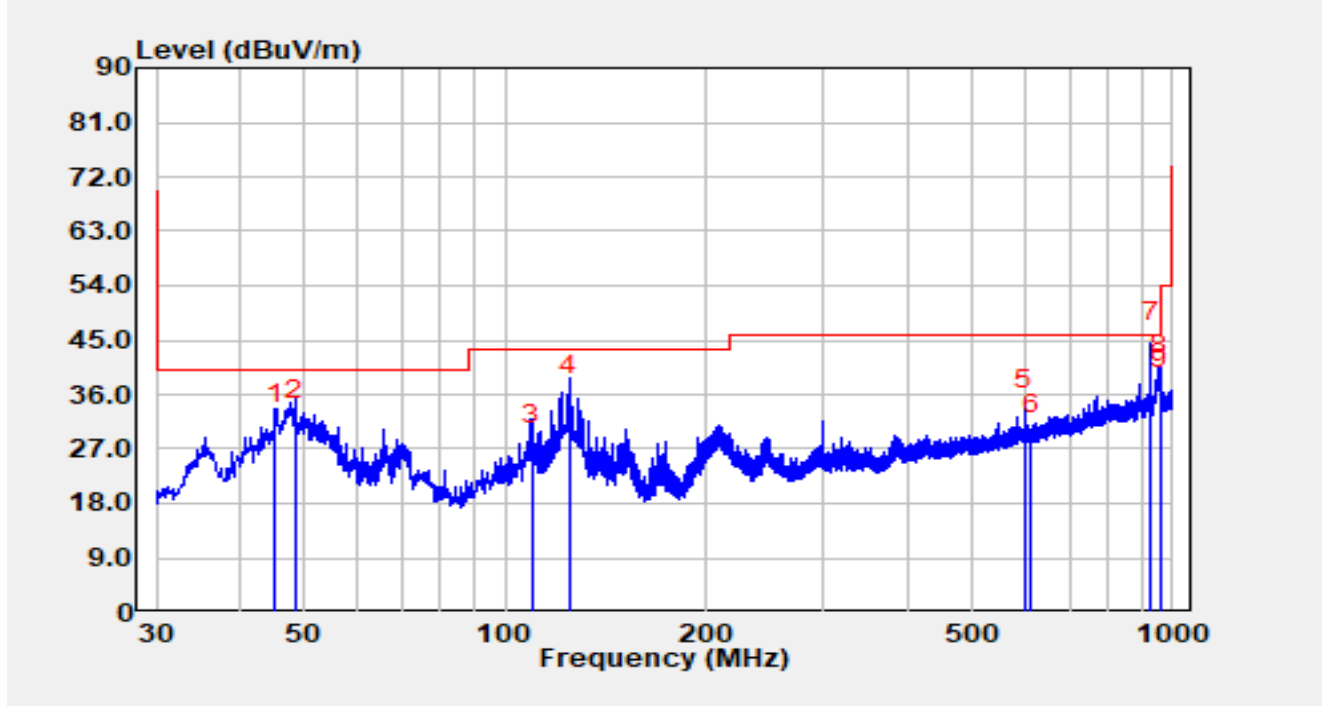


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		46.88	2.19	20.58	22.77	-17.23	40.00	QP
2		124.96	10.22	16.01	26.23	-17.27	43.50	QP
3		209.45	6.38	18.29	24.67	-18.83	43.50	QP
4		293.74	9.81	20.93	30.74	-15.26	46.00	QP
5		423.43	5.43	23.66	29.09	-16.91	46.00	QP
6		614.00	2.35	27.33	29.68	-16.32	46.00	QP
7	*	895.53	4.51	31.25	35.76	-10.24	46.00	QP
8		960.00	2.53	31.67	34.19	-11.81	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 927.5MHz		



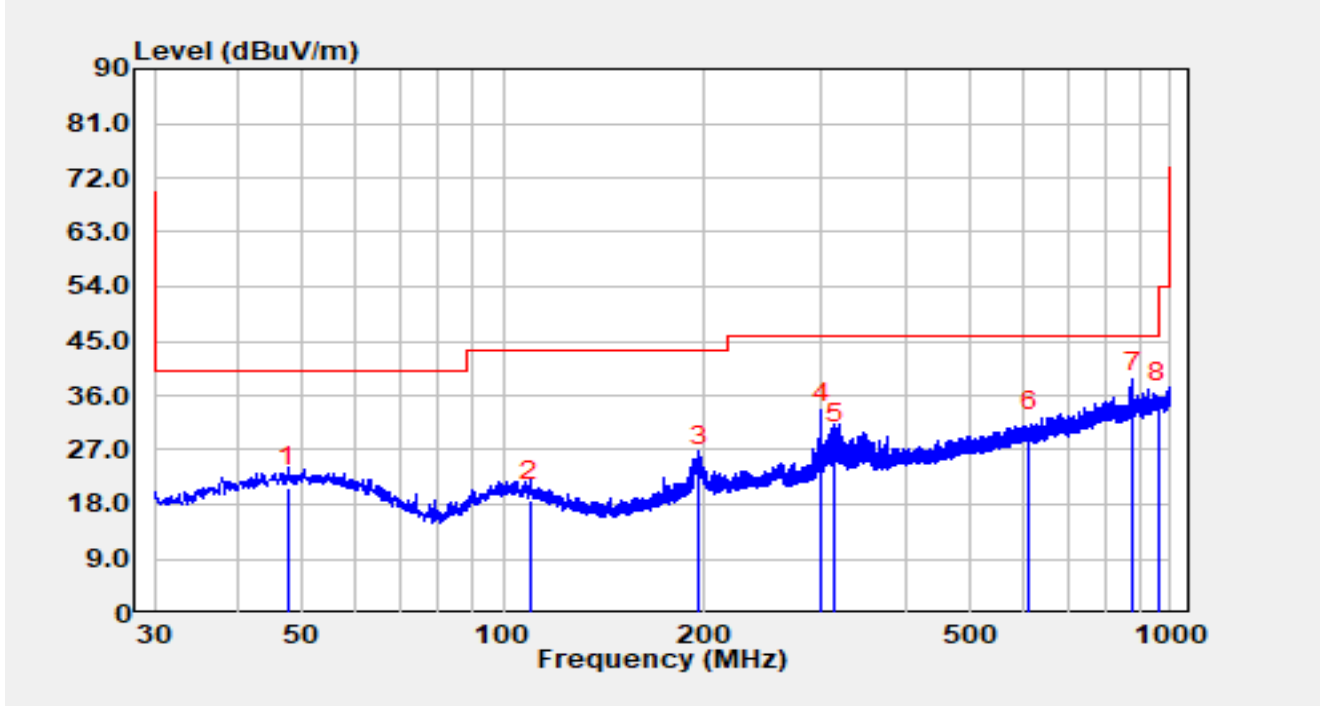
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		45.23	10.58	20.41	30.99	-9.01	40.00	QP
2		48.43	11.23	20.52	31.75	-8.25	40.00	QP
3		109.44	9.22	18.33	27.55	-15.95	43.50	QP
4		124.96	19.84	16.01	35.85	-7.65	43.50	QP
5		600.00	6.21	27.20	33.41	-12.59	46.00	QP
6		614.00	2.20	27.33	29.53	-16.47	46.00	QP
7	*	927.74	13.34	31.32	44.65	N/A	N/A	Peak
8		959.55	7.44	31.66	39.10	-6.90	46.00	QP
9		960.00	5.22	31.67	36.89	-9.11	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. Point (7) is the fundamental frequency.

Antenna 2#

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		

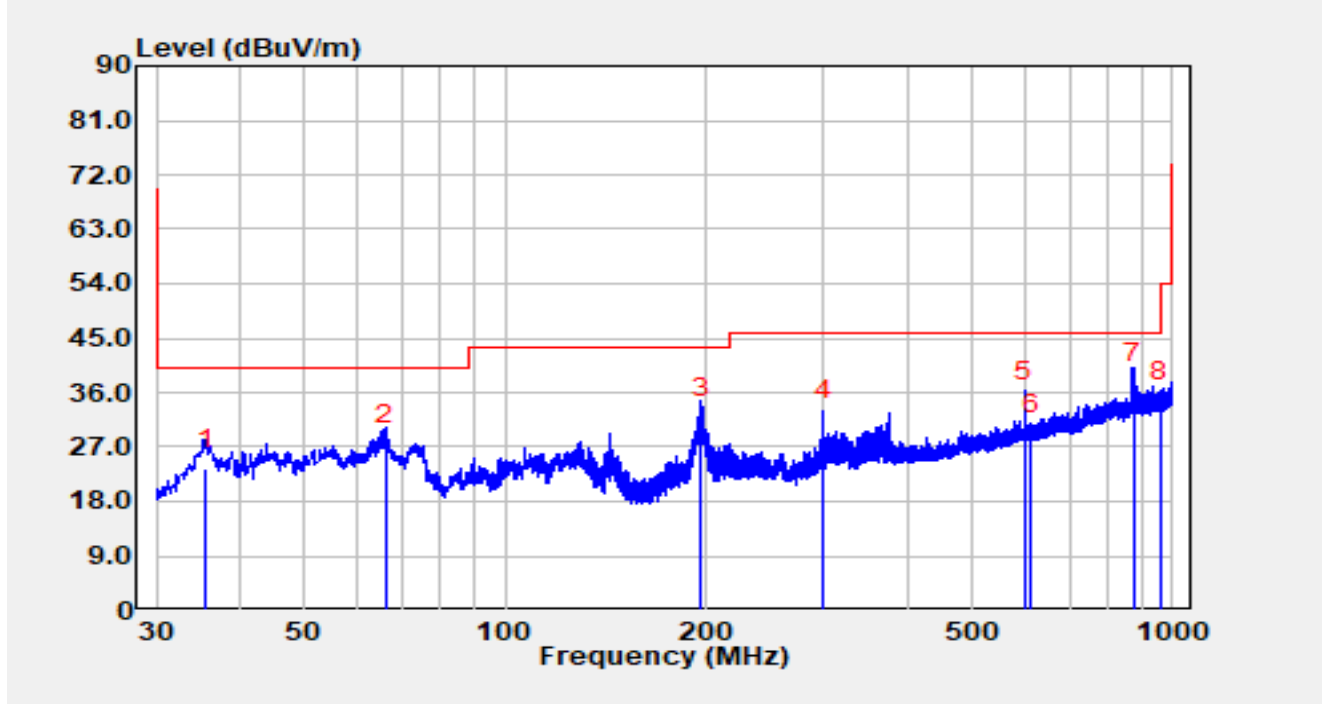


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		47.56	0.24	20.52	20.76	-19.24	40.00	QP
2		109.64	0.22	18.30	18.52	-24.98	43.50	QP
3		196.84	5.18	19.00	24.18	-19.32	43.50	QP
4		300.00	10.33	21.03	31.36	-14.64	46.00	QP
5		314.02	6.84	21.32	28.16	-17.84	46.00	QP
6		614.00	2.59	27.33	29.92	-16.08	46.00	QP
7	*	878.36	5.48	30.93	36.41	-9.59	46.00	QP
8		960.00	3.30	31.67	34.96	-11.04	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		

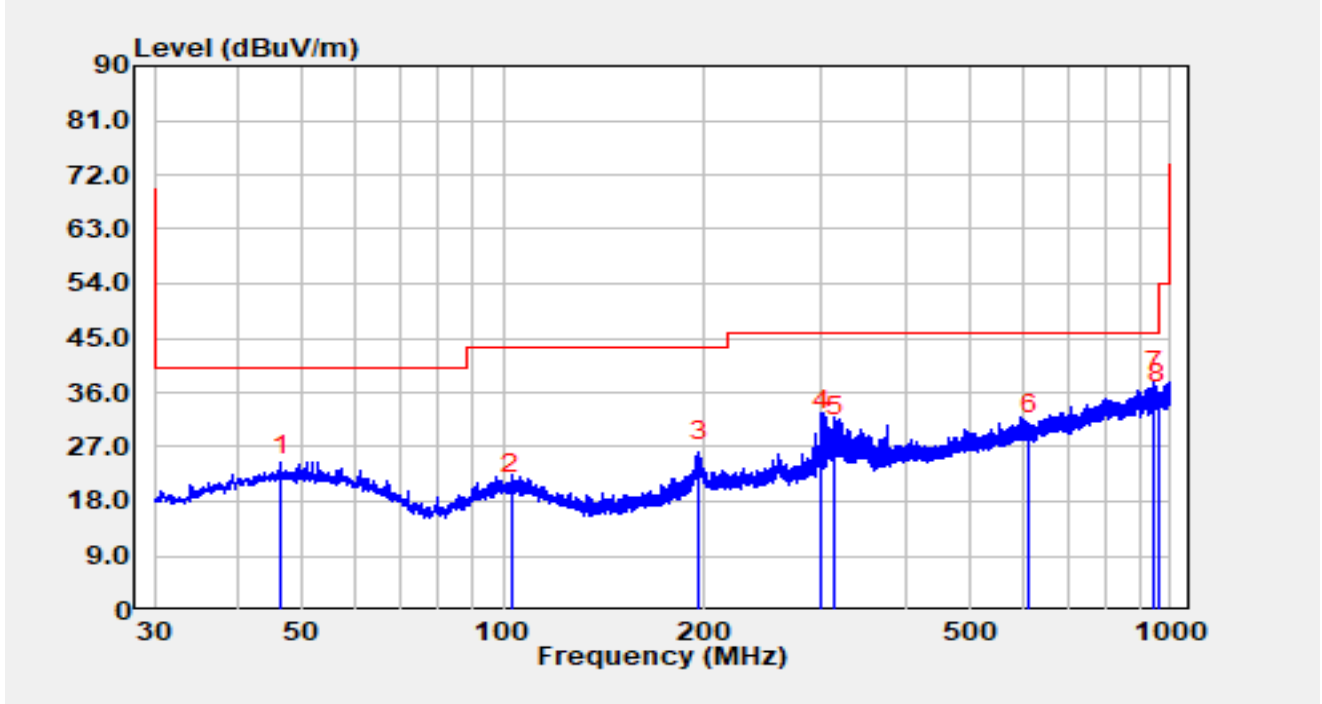


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35.53	5.49	17.81	23.30	-16.70	40.00	QP
2		66.28	9.62	17.82	27.44	-12.56	40.00	QP
3		196.94	12.59	19.02	31.61	-11.89	43.50	QP
4		300.00	10.33	21.03	31.36	-14.64	46.00	QP
5		600.00	7.22	27.20	34.42	-11.58	46.00	QP
6		614.00	1.87	27.33	29.20	-16.80	46.00	QP
7	*	873.71	6.84	30.85	37.69	-8.31	46.00	QP
8		960.00	2.88	31.67	34.54	-11.46	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 923.3MHz		

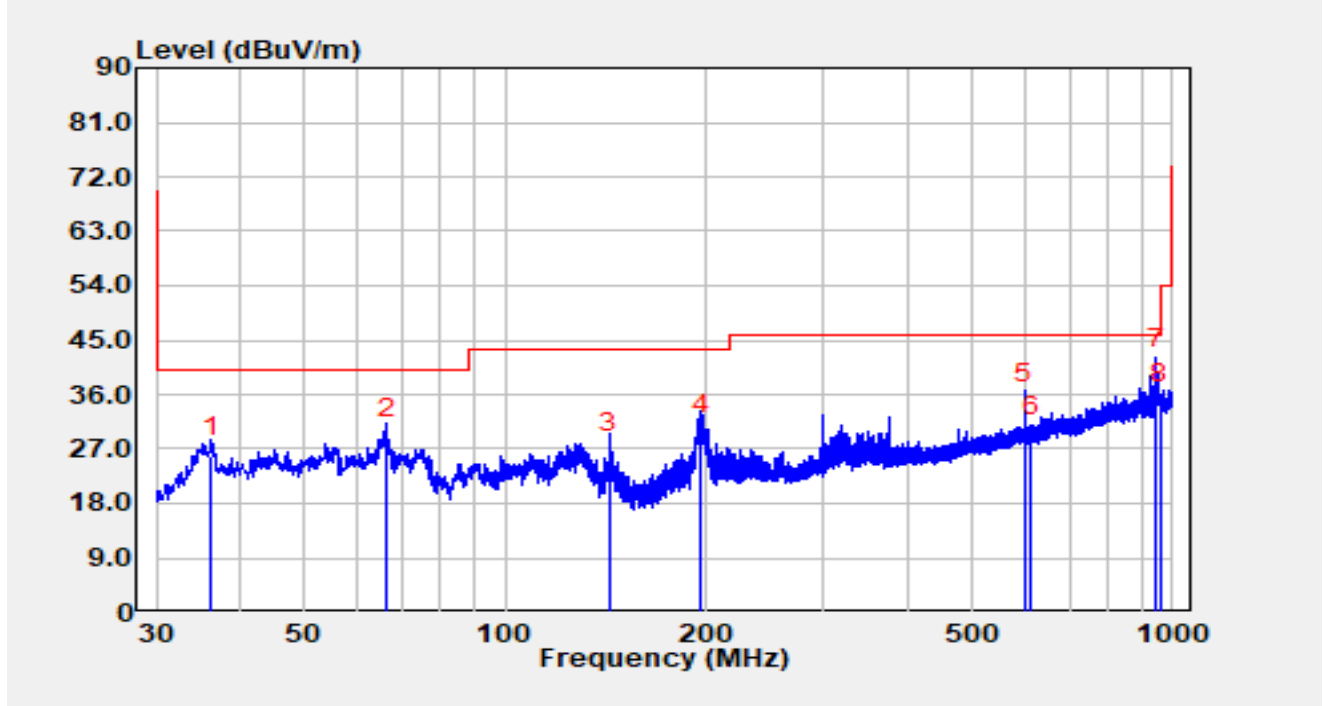


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		46.39	1.66	20.50	22.16	-17.84	40.00	QP
2		102.75	0.22	18.82	19.04	-24.46	43.50	QP
3		196.68	5.71	19.00	24.71	-18.79	43.50	QP
4		300.00	8.72	21.03	29.75	-16.25	46.00	QP
5		314.11	7.38	21.32	28.70	-17.30	46.00	QP
6		614.00	1.84	27.33	29.17	-16.83	46.00	QP
7	*	947.33	4.66	31.64	36.30	-9.70	46.00	QP
8		960.00	2.38	31.67	34.05	-11.95	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 923.3MHz		

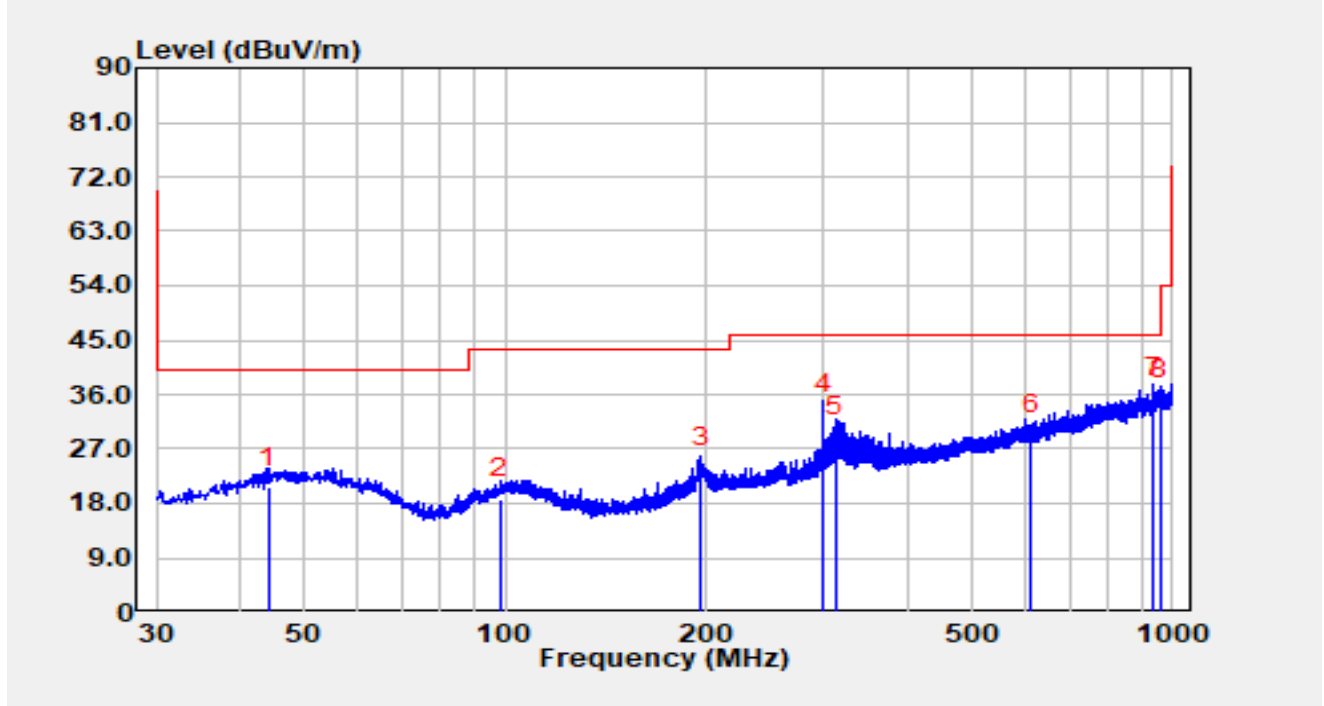


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		36.21	7.66	18.06	25.72	-14.28	40.00	QP
2		66.47	10.94	17.75	28.69	-11.31	40.00	QP
3		143.30	11.37	15.11	26.48	-17.02	43.50	QP
4		196.84	10.48	19.00	29.48	-14.02	43.50	QP
5		600.00	7.28	27.20	34.48	-11.52	46.00	QP
6		614.00	1.77	27.33	29.09	-16.91	46.00	QP
7	*	947.14	8.67	31.64	40.31	-5.69	46.00	QP
8		960.00	2.75	31.67	34.41	-11.59	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Horizontal
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 927.5MHz		

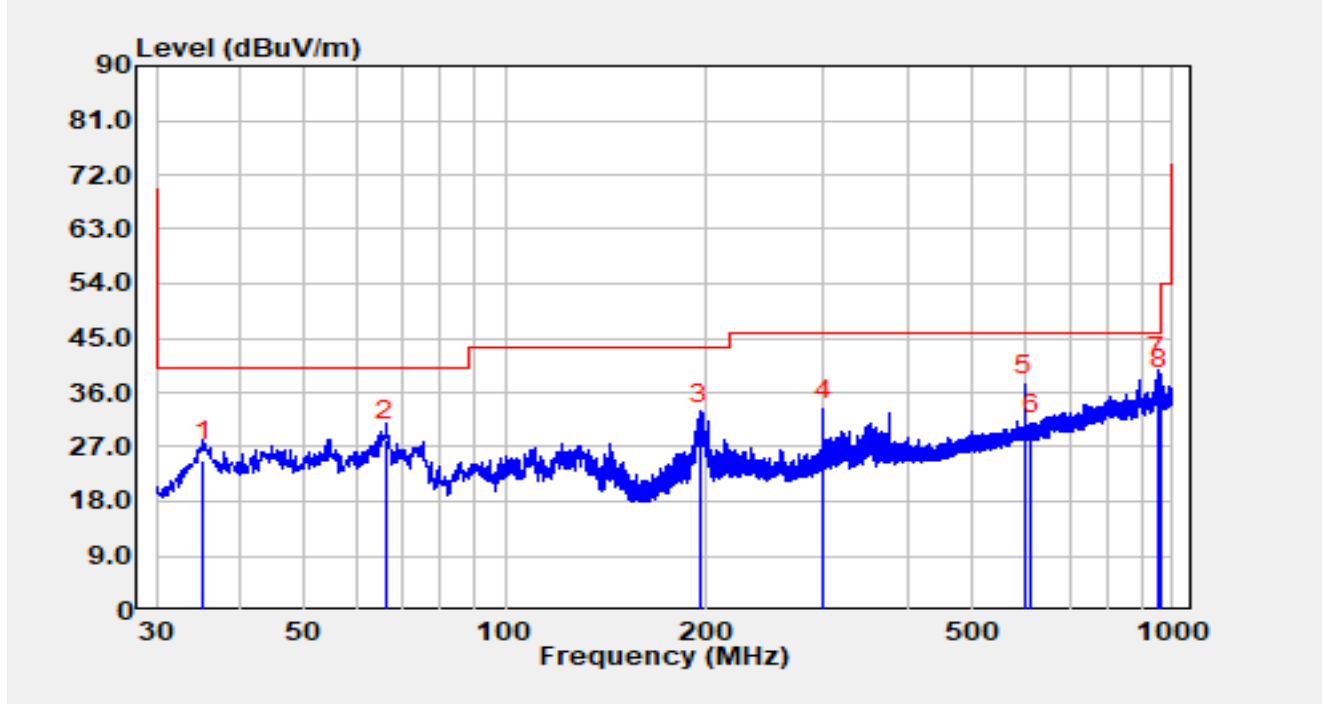


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		44.16	0.38	20.19	20.57	-19.43	40.00	QP
2		98.19	0.24	18.55	18.79	-24.71	43.50	QP
3		196.84	4.84	19.00	23.84	-19.66	43.50	QP
4		300.00	11.91	21.03	32.94	-13.06	46.00	QP
5		312.46	7.81	21.25	29.06	-16.94	46.00	QP
6		614.00	2.08	27.33	29.40	-16.60	46.00	QP
7	*	937.34	3.84	31.61	35.46	-10.54	46.00	QP
8		960.00	3.56	31.67	35.23	-10.77	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-04-08
Temperature	27.4 °C	Humidity	38.8 %
Limit	FCC_Part 15.209_RSE (3m)	Test Engineer	Jerry Lu
Factor	VULB 9162_00047	Polarity	Vertical
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 927.5MHz		



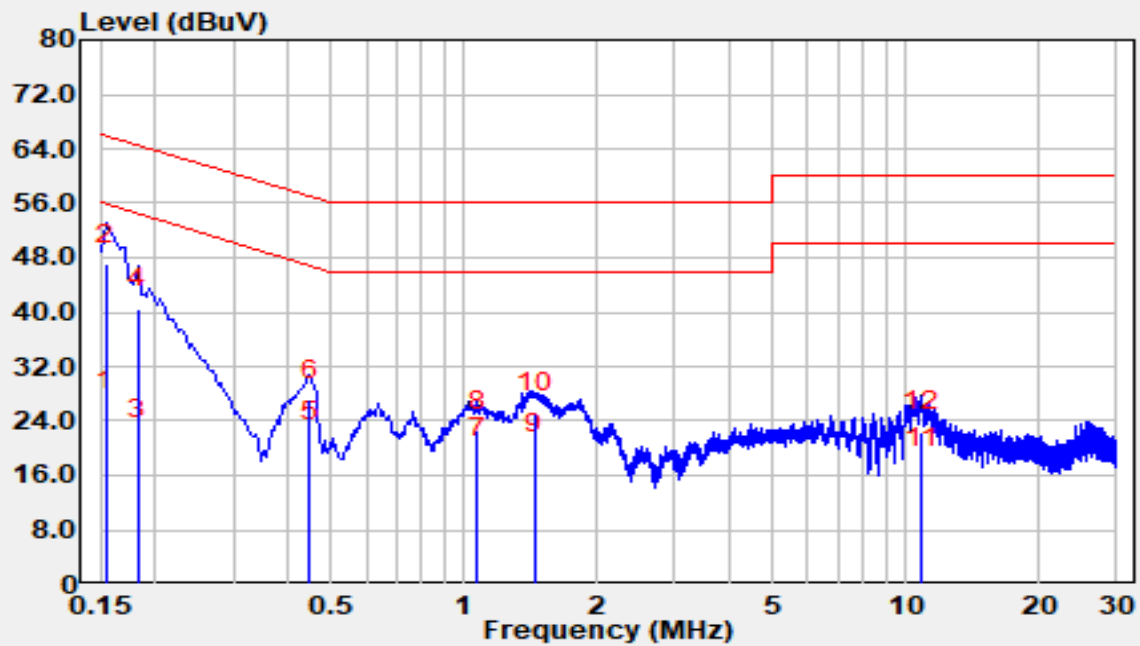
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35.24	7.06	17.71	24.77	-15.23	40.00	QP
2		66.28	10.22	17.82	28.04	-11.96	40.00	QP
3		196.06	11.72	18.86	30.58	-12.92	43.50	QP
4		300.00	10.48	21.03	31.51	-14.49	46.00	QP
5		600.00	8.39	27.20	35.59	-10.41	46.00	QP
6		614.00	1.66	27.33	28.99	-17.01	46.00	QP
7	*	951.79	6.77	31.62	38.39	-7.61	46.00	QP
8		960.00	4.85	31.67	36.52	-9.48	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.7 AC Conducted Emissions Test Result

Site	WZ-SR2	Test Date	2025-04-09
Temperature	23.3 °C	Humidity	52.6 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Linda Wei
Factor	ENV216_101683_L1_Filter Off_E	Polarity	Line1
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		

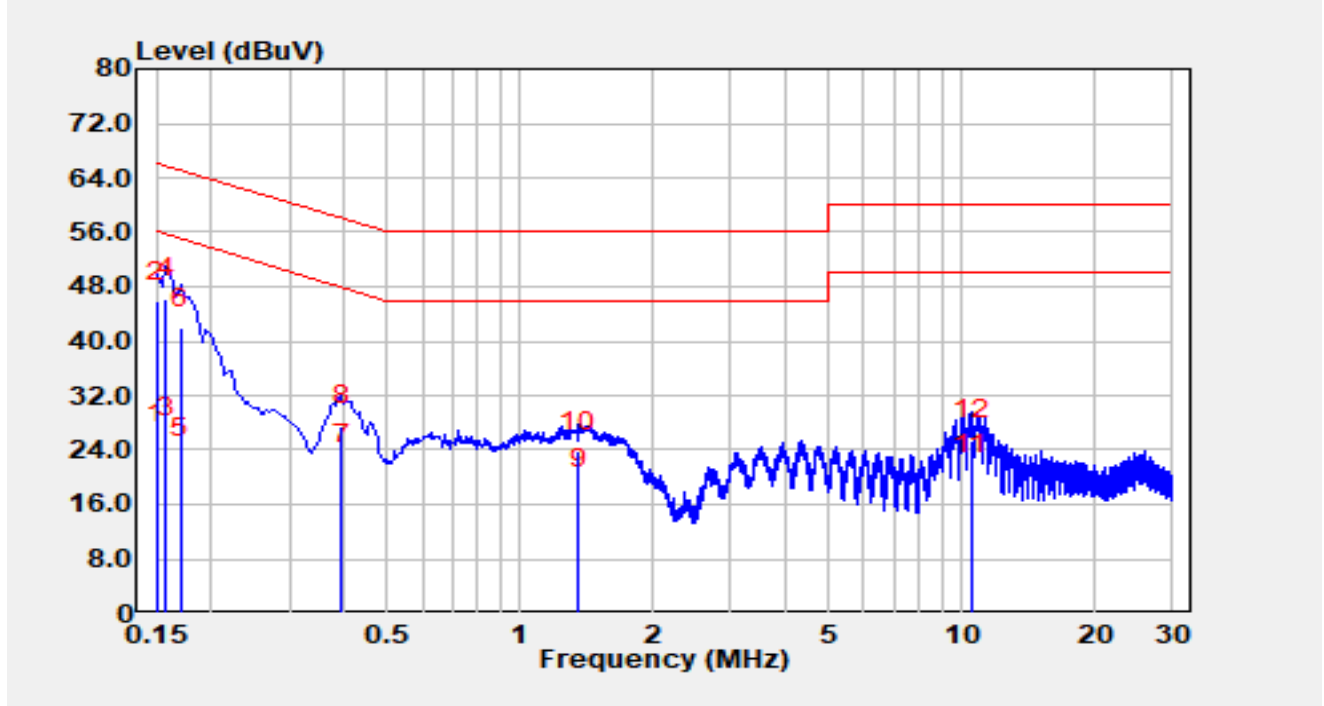


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.15	15.70	9.78	25.48	-30.30	55.78	Average
2	*	0.15	37.20	9.78	46.98	-18.80	65.78	QP
3		0.18	11.60	9.78	21.38	-33.01	54.39	Average
4		0.18	30.70	9.78	40.48	-23.91	64.39	QP
5		0.45	11.00	9.90	20.90	-26.05	46.95	Average
6		0.45	17.20	9.90	27.10	-29.85	56.95	QP
7		1.07	8.40	10.20	18.60	-27.40	46.00	Average
8		1.07	12.40	10.20	22.60	-33.40	56.00	QP
9		1.44	9.00	10.24	19.24	-26.76	46.00	Average
10		1.44	14.90	10.24	25.14	-30.86	56.00	QP
11		10.85	6.10	11.02	17.12	-32.88	50.00	Average
12		10.85	11.40	11.02	22.42	-37.58	60.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Site	WZ-SR2	Test Date	2025-04-09
Temperature	23.3 °C	Humidity	52.6 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Linda Wei
Factor	ENV216_101683_N_Filter Off_E	Polarity	Neutral
EUT	R11e-LR9G	Test Voltage	AC 120V/60Hz
Test Mode	Transmit at 903MHz		



Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Appendix B – Test Setup Photograph

Refer to “R25S1042026-UT” file.

Appendix C – EUT Photograph

Refer to “R25S1042026-UE” file.

The End
