



RF MEASUREMENT REPORT

FCC ID: 2BEY3WCX040FCA
Applicant: NETPRISMA INC.
Product: HaLow Module
Model No.: WCX040-FC
Brand Name: NETPRISMA
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Result: Complies
Received Date: 2024-08-22
Test Date: 2024-09-05 ~ 2024-09-18

Reviewed By:

Sunny Sun

Approved By:

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
2408RSU041-U2	V01	Initial Report	2024-09-27	Valid

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1. General Information

1.1. Applicant

NETPRISMA INC.

1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES

1.2. Manufacturer

NETPRISMA INC.

1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES

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 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ 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 CNAS: L10551 FCC: CN1284 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	HaLow Module
Model No.	WCX040-FC
Brand Name	NETPRISMA
Serial No.	D1N24GP0N000033 for conducted testing D1N24GP0N000028 for radiated testing
Wi-Fi Specification	802.11ah
Working Voltage	3.0 ~ 3.6 V, typical 3.3 V
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	902 ~ 928MHz
Type of modulation	OFDM
Antenna Type	Dipole
Antenna Gain	0.86 dBi

1.6. Working Frequencies

Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel bandwidth = 1MHz					
03	903.5 MHz	05	904.5 MHz	07	905.5 MHz
09	906.5 MHz	11	907.5 MHz	13	908.5 MHz
15	909.5 MHz	17	910.5 MHz	19	911.5 MHz
21	912.5 MHz	23	913.5 MHz	25	914.5 MHz
27	915.5 MHz	29	916.5 MHz	31	917.5 MHz
33	918.5 MHz	35	919.5 MHz	37	920.5 MHz
39	921.5 MHz	41	922.5 MHz	43	923.5 MHz
45	924.5 MHz	47	925.5 MHz	49	926.5 MHz
Channel bandwidth = 2MHz					
06	905.0 MHz	10	907.0 MHz	14	909.0 MHz
18	911.0 MHz	22	913.0 MHz	26	915.0 MHz
30	917.0 MHz	34	919.0 MHz	38	921.0 MHz
42	923.0 MHz	46	925.0 MHz	--	--
Channel bandwidth = 4MHz					
08	906.0 MHz	16	910.0 MHz	24	914.0 MHz
32	918.0 MHz	40	922.0 MHz	---	-
Channel bandwidth = 8MHz					
12	908.0 MHz	28	916.0 MHz	--	--

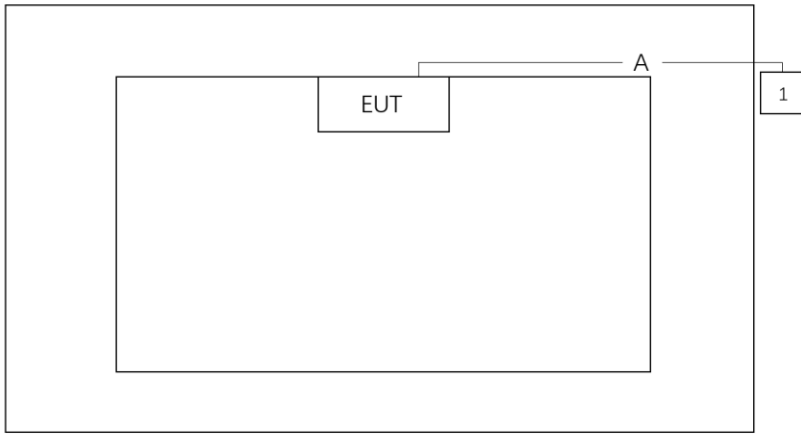
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 1M channel bandwidth (MCS10)
Mode 2: Transmit by 2M channel bandwidth (MCS0)
Mode 3: Transmit by 4M channel bandwidth (MCS0)
Mode 4: Transmit by 8M channel bandwidth (MCS0)
Note: For all test items, the data rates picked for testing are determined by the Max. RF conducted power.

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 – Radiated Emission testing & AC Conducted Emissions			
			
Cable Type		Cable Type	Cable Type
A	USB Cable	Shielding	>10.0m
Product		Manufacturer	Model No.
1	Notebook	HP	2L4T5PA#AB2

2.3. Test Software

The test utility software used during testing was “adb driver” and command was provided by the manufacturer.

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.”

- The antenna that uses a **unique SMA connector**.
- There are no provisions for connection to an external antenna.

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
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
Attenuator	MVE	MVE2365	MRTSUE07070	1 year	2024-11-27	WZ-SR5
Attenuator	MVE	MVE2365	MRTSUE07071	1 year	2024-11-27	WZ-SR5
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2024-12-04	WZ-AC2
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	2024-10-11	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	2024-11-07	WZ-AC2
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
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
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2024-09-27	WZ-SR2

Software	Version	Function
e3	230711	RE & CE
BenchVue Power Meter	2018.1	Power
Controller_MF 7802	2.03C	RE Antenna & Turntable

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: 2.61dB Coplanar: 9kHz~30MHz: 2.62dB Horizontal: 30MHz~200MHz: 3.79dB 200MHz~1GHz: 3.91dB 1GHz~40GHz: 4.99dB Vertical: 30MHz~200MHz: 4.06dB 200MHz~1GHz: 5.21dB 1GHz~40GHz: 4.90dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.2dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.4dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.2dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.7%

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 (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Notes:

1. 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.
2. For radiated emission test, every axis (X, Z) was also verified. The test results shown in the following sections represent the worst-case emissions (Z).

6.2. 6dB Bandwidth Measurement

6.2.1. Test Limit

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

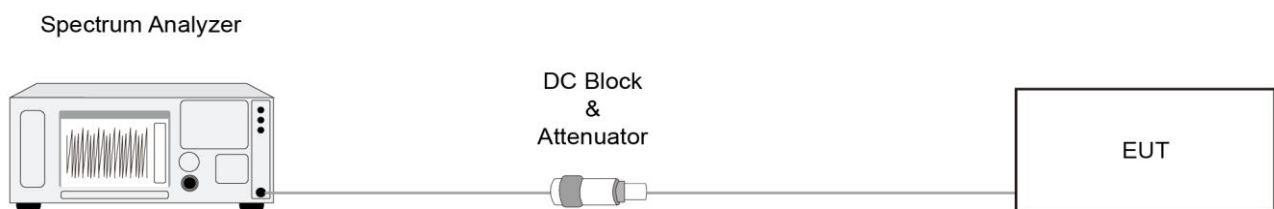
6.2.2. Test Procedure

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

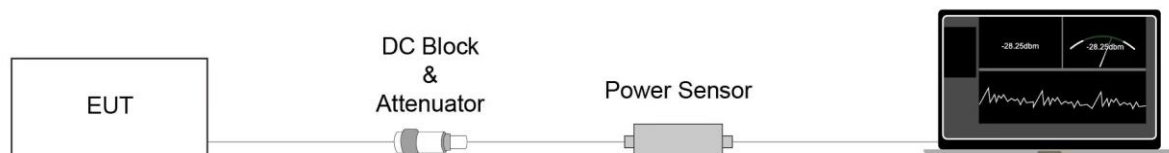
ANSI C63.10 - 2013 - Section 11.9.2.3.2

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.

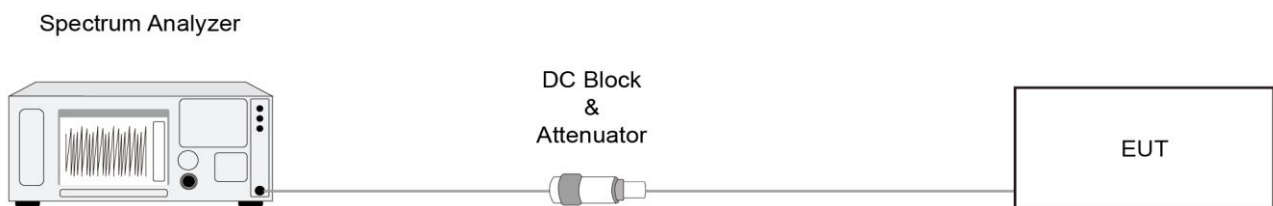
6.4.2. Test Procedure

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

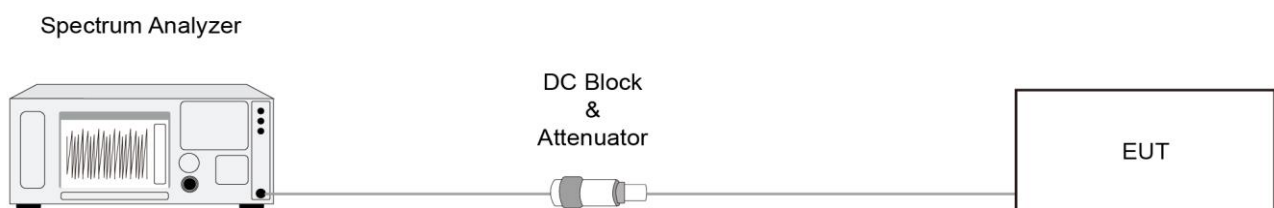
Reference level measurement

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

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [$\mu\text{V/m}$]	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

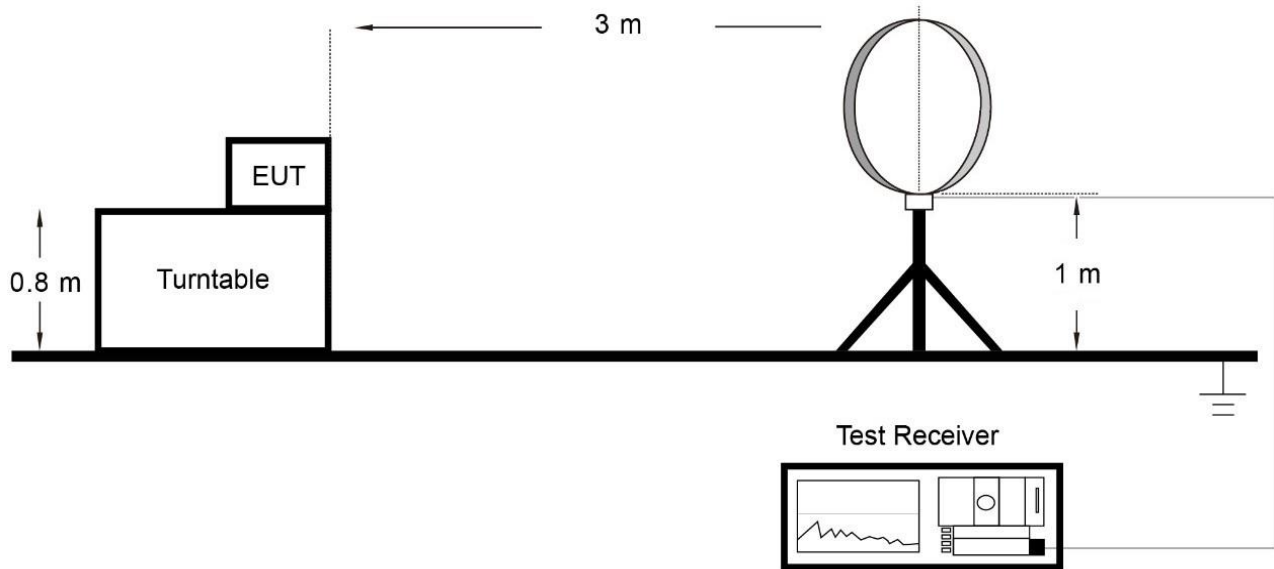
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

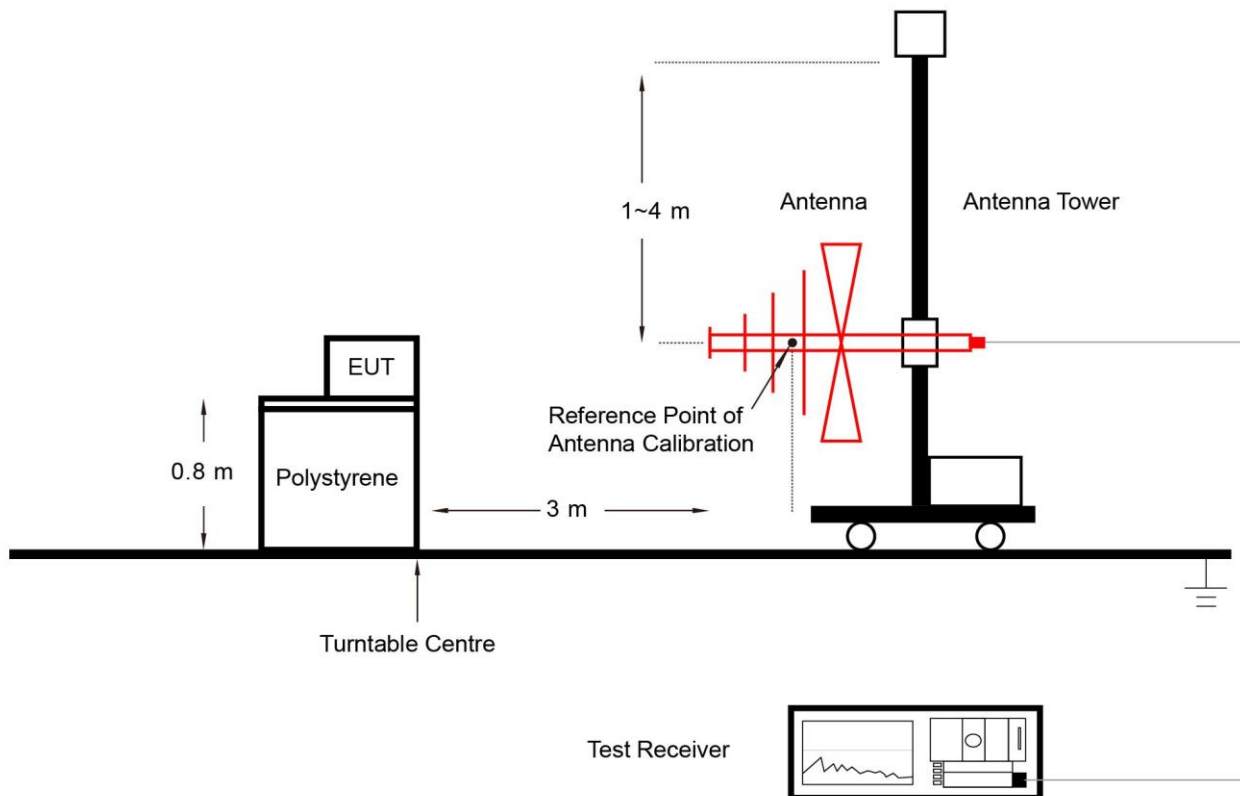
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.4. Test Setup

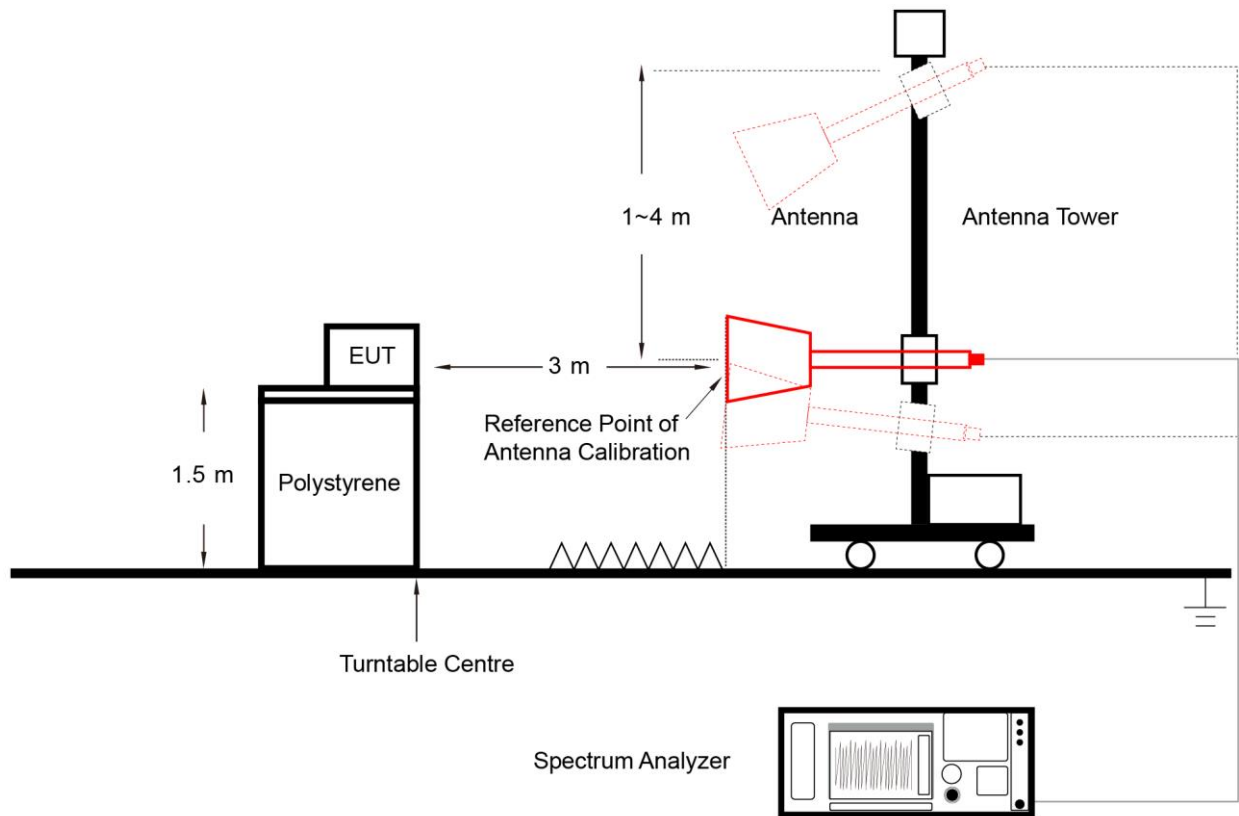
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.6.

6.7. Radiated Restricted Band Edge Measurement

6.7.1. 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 [μ V/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

6.7.2. Test Procedure

ANSI C63.10-2013 Section 6.3 & 6.6 & 11.13

6.7.3. Test Setting

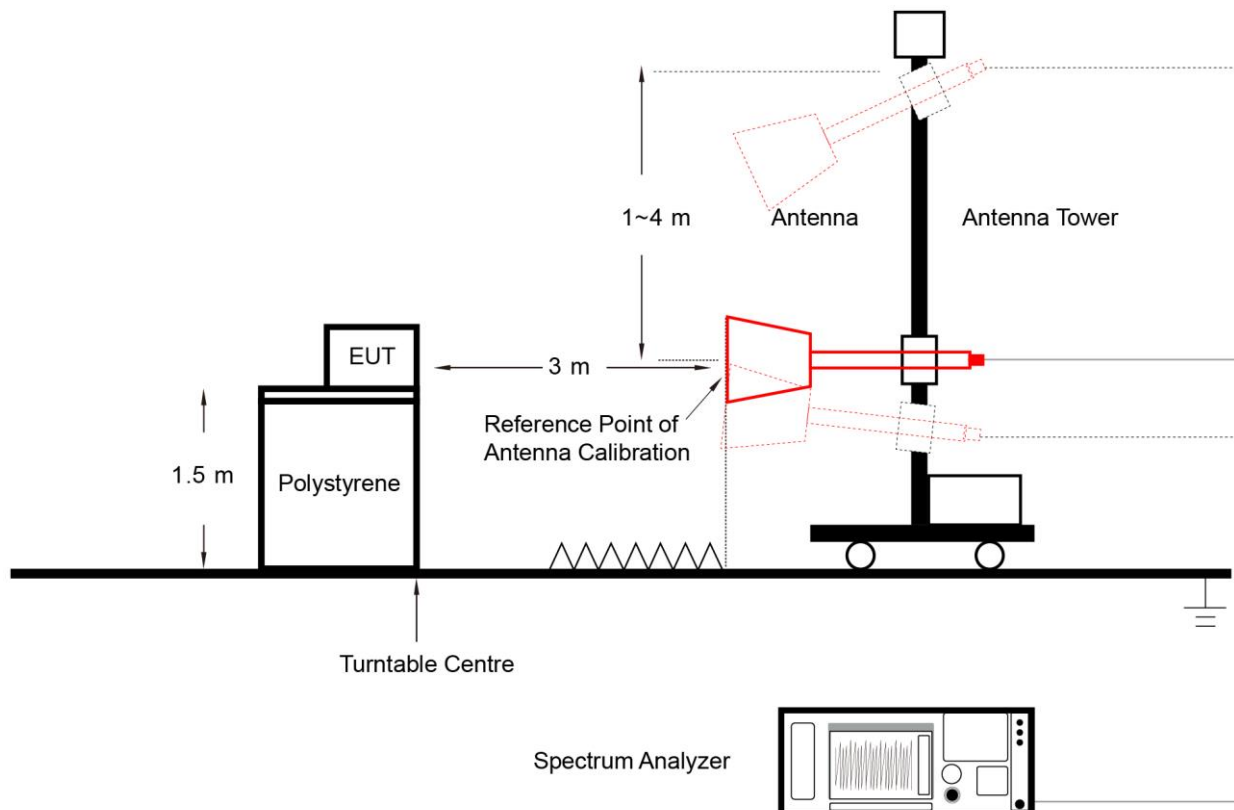
Peak Field Strength Measurements

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 Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
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. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.7.4. Test Setup



6.7.5. Test Result

Refer to Appendix A.7.

6.8. AC Conducted Emissions Measurement

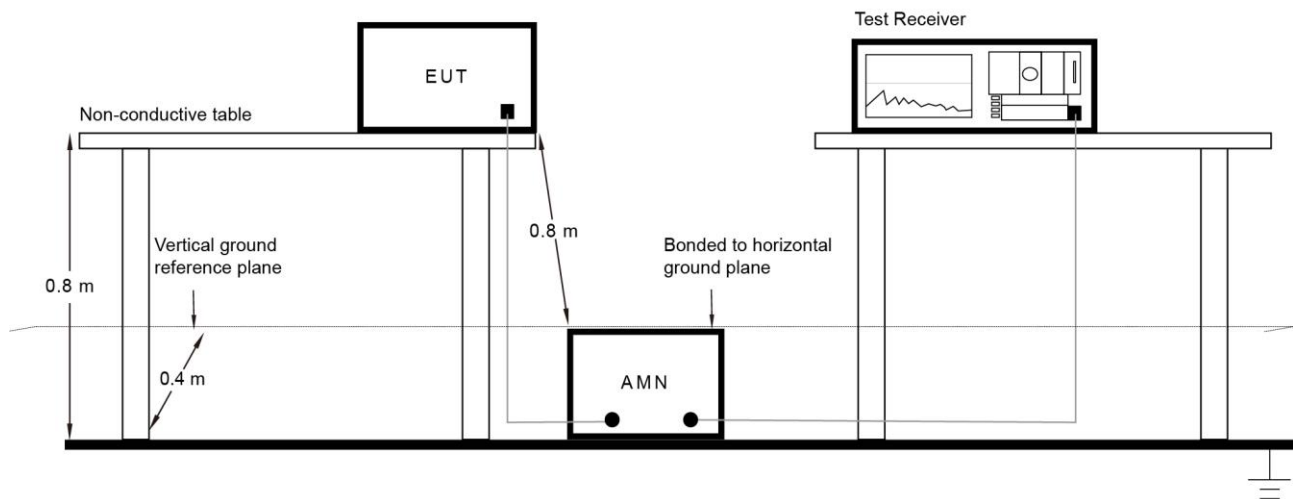
6.8.1. Test Limit

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.

6.8.2. Test Setup



6.8.3. Test Result

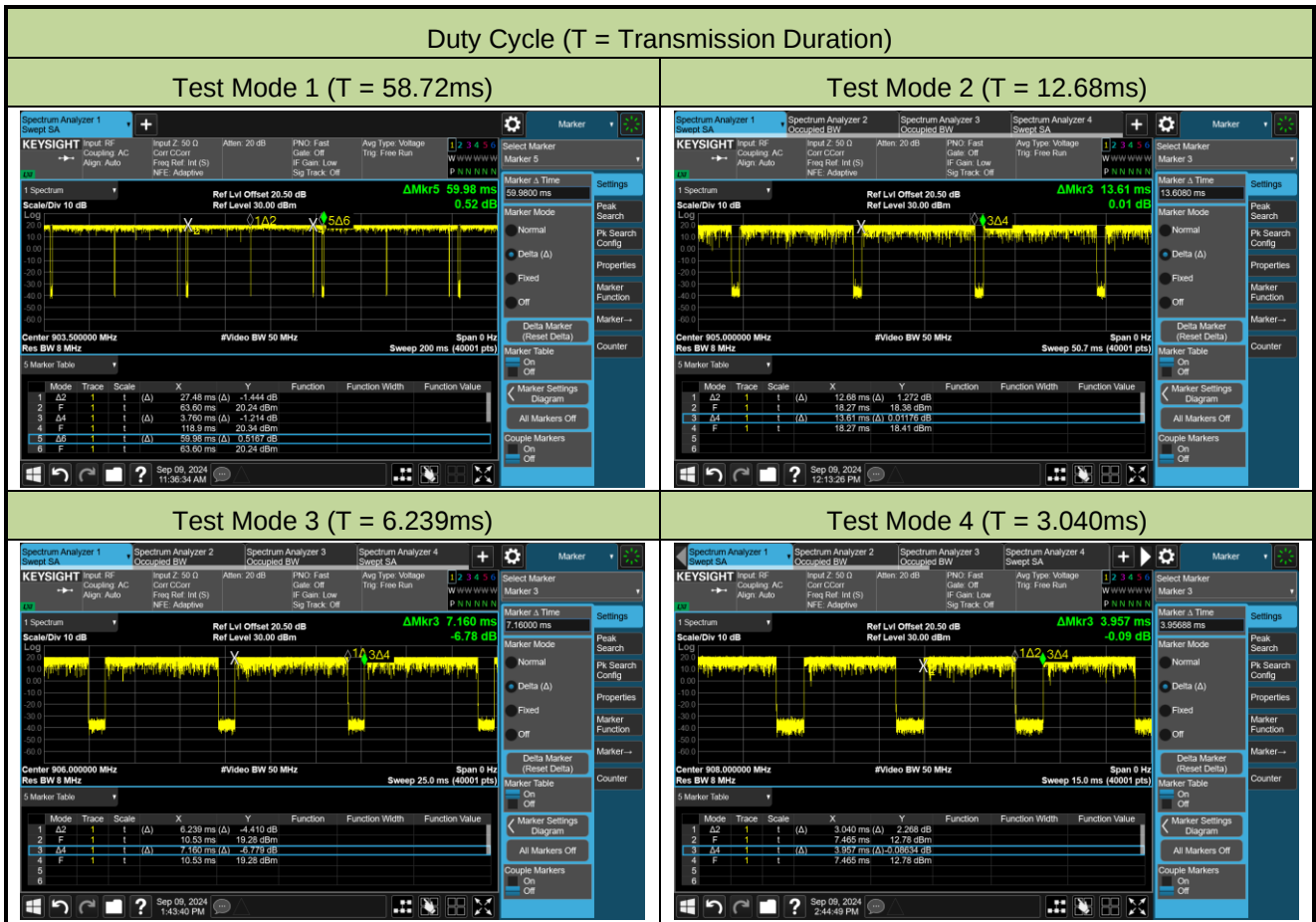
Refer to Appendix A.8.

Appendix A - Test Result

A.1 Duty Cycle Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-09		

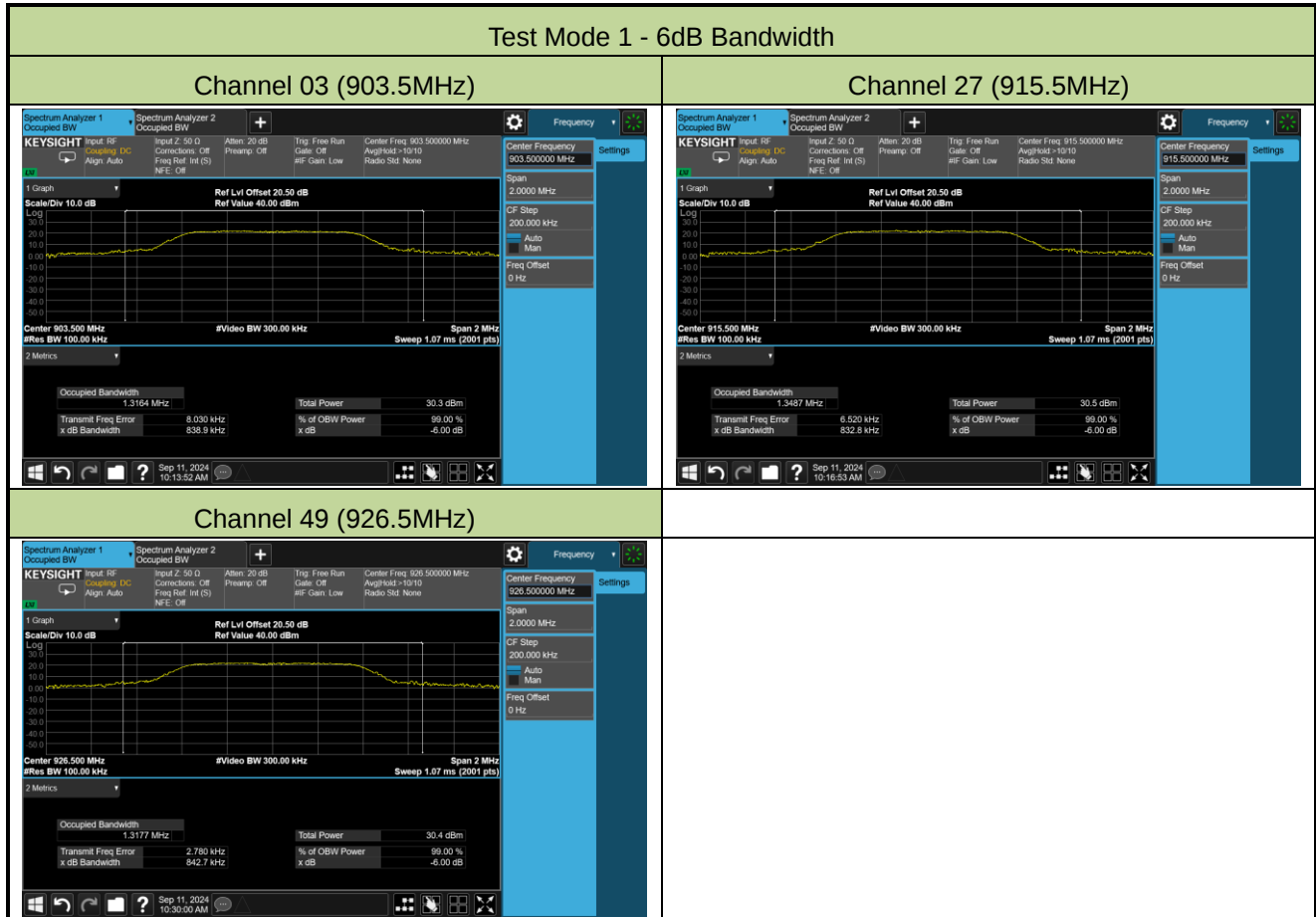
Test Mode	Duty Cycle
1	97.90%
2	93.17%
3	87.14%
4	76.83%



A.2 6dB Bandwidth Test Result

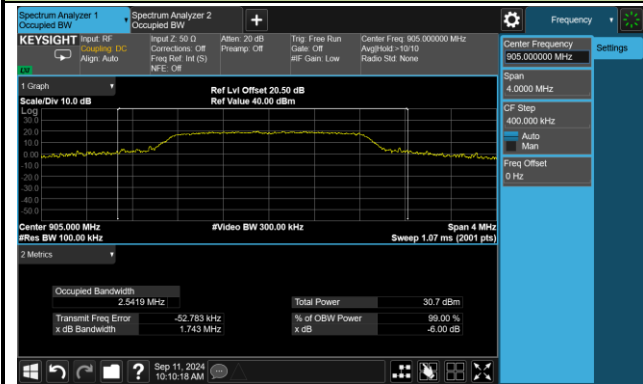
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-11		

Test Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)
1	03	903.5	838.9	≥ 500
	27	915.5	832.8	≥ 500
	49	926.5	842.7	≥ 500
2	06	905.0	1743.0	≥ 500
	26	915.0	1747.0	≥ 500
	46	925.0	1771.0	≥ 500
3	08	906.0	3575.0	≥ 500
	24	914.0	3616.0	≥ 500
	40	922.0	3605.0	≥ 500
4	12	908.0	7488.0	≥ 500
	28	916.0	7592.0	≥ 500

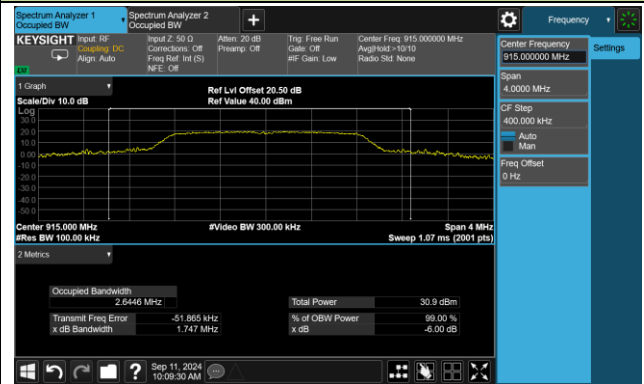


Test Mode 2 - 6dB Bandwidth

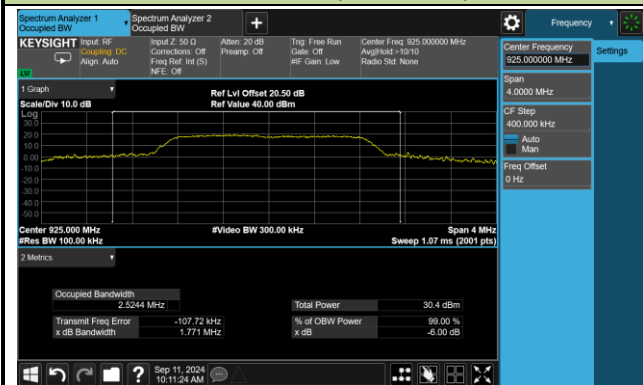
Channel 06 (905.0MHz)



Channel 26 (915.0MHz)

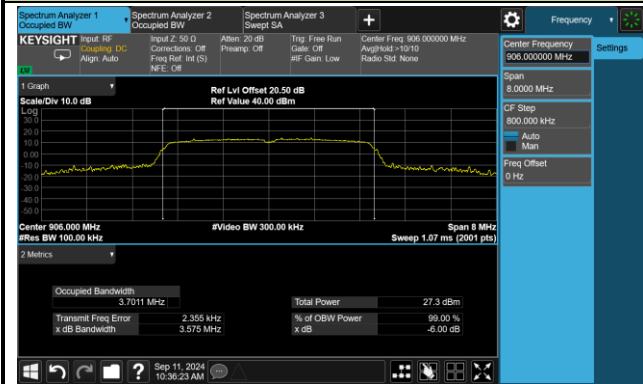


Channel 46 (925.0MHz)

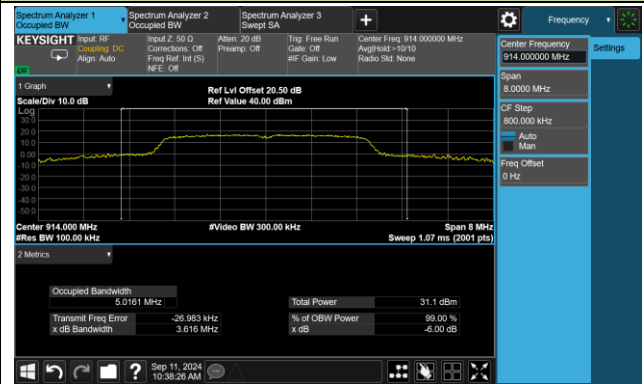


Test Mode 3 - 6dB Bandwidth

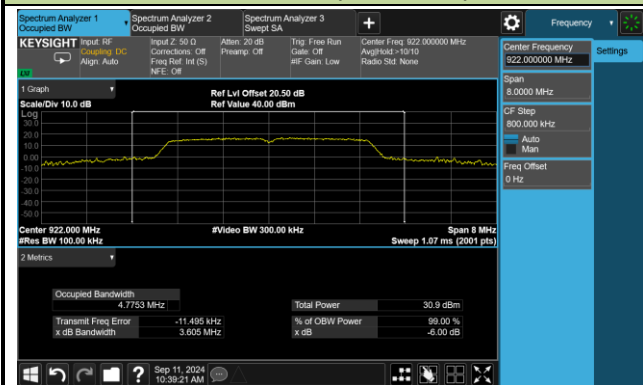
Channel 08 (906.0MHz)

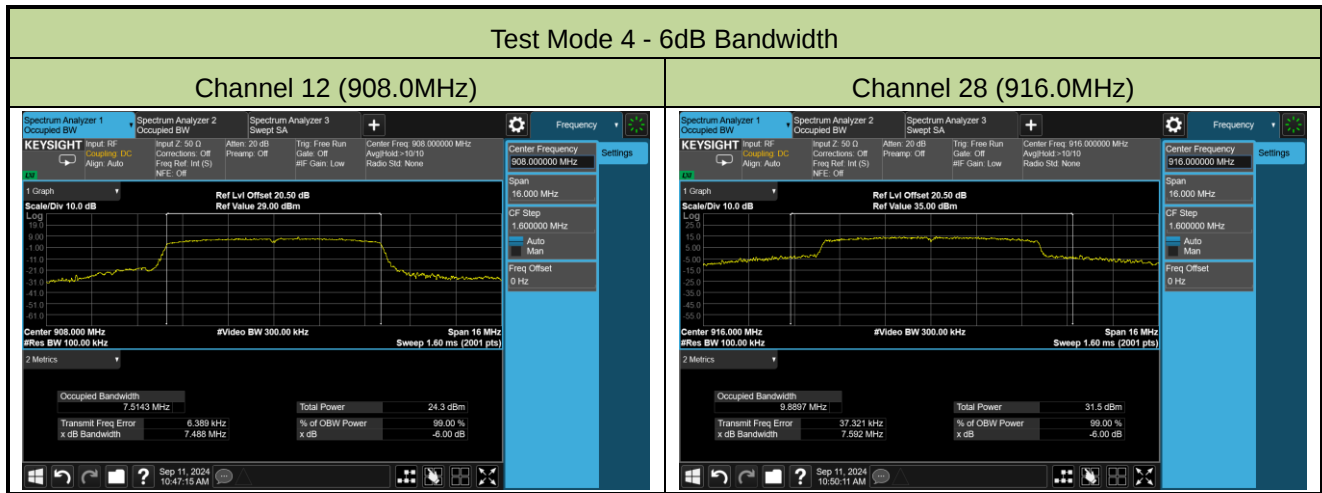


Channel 24 (914.0MHz)



Channel 40 (922.0MHz)





A.3 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-09 ~ 2024-09-11		

Test Mode	Channel No.	Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Result
1	03	903.5	22.93	≤ 30.00	Pass
	27	915.5	23.06	≤ 30.00	Pass
	49	926.5	22.86	≤ 30.00	Pass
2	06	905.0	22.91	≤ 30.00	Pass
	26	915.0	23.14	≤ 30.00	Pass
	46	925.0	22.67	≤ 30.00	Pass
3	08	906.0	18.63	≤ 30.00	Pass
	24	914.0	22.83	≤ 30.00	Pass
	40	922.0	22.70	≤ 30.00	Pass
4	12	908.0	16.85	≤ 30.00	Pass
	28	916.0	22.97	≤ 30.00	Pass

A.4 Power Spectral Density Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-11		

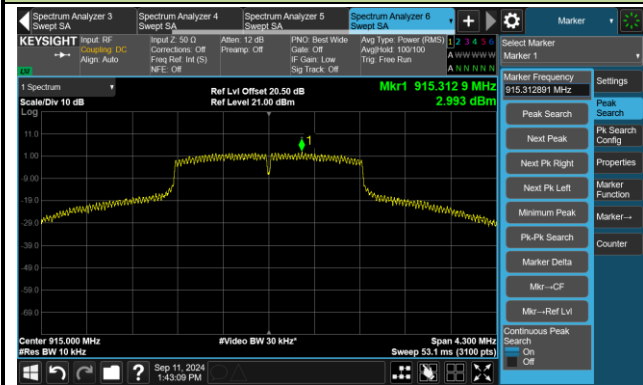
Test Mode	Channel No.	Frequency (MHz)	AVPSD (dBm / 10kHz)	Duty Cycle (%)	Total PSD (dBm / 10kHz)	Limit (dBm / 3kHz)	Result
1	03	903.5	7.077	97.90	7.169	≤ 8.00	Pass
	27	915.5	7.159	97.90	7.251	≤ 8.00	Pass
	49	926.5	6.977	97.90	7.069	≤ 8.00	Pass
2	06	905.0	2.993	93.17	3.300	≤ 8.00	Pass
	26	915.0	2.752	93.17	3.059	≤ 8.00	Pass
	46	925.0	2.379	93.17	2.686	≤ 8.00	Pass
3	08	906.0	-4.411	87.14	-3.813	≤ 8.00	Pass
	24	914.0	0.104	87.14	0.702	≤ 8.00	Pass
	40	922.0	-0.701	87.14	-0.103	≤ 8.00	Pass
4	12	908.0	-8.122	76.83	-6.977	≤ 8.00	Pass
	28	916.0	-3.479	76.83	-2.334	≤ 8.00	Pass

Note: Total PSD (dBm / 10kHz) = AVPSD (dBm / 10kHz) + 10*log (1/Duty cycle).

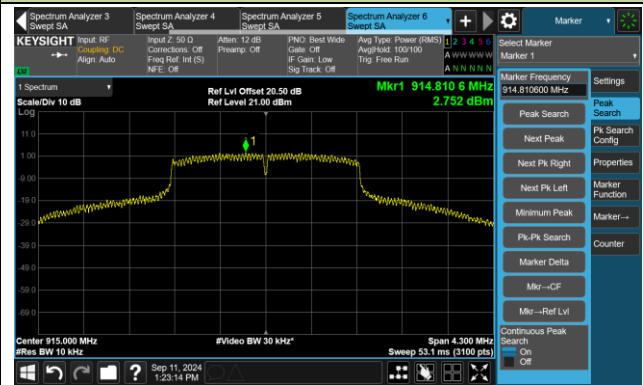


Test Mode 2 - PSD

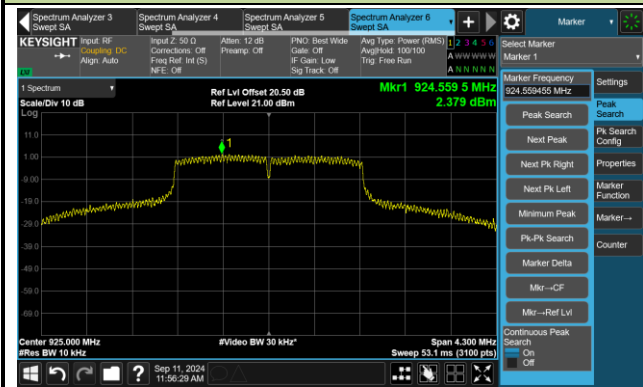
Channel 06 (905.0MHz)



Channel 26 (915.0MHz)

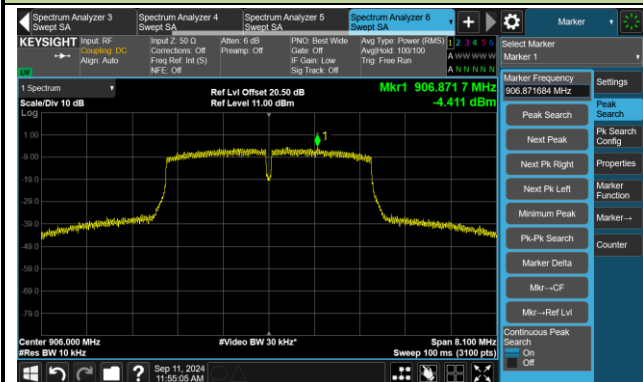


Channel 46 (925.0MHz)

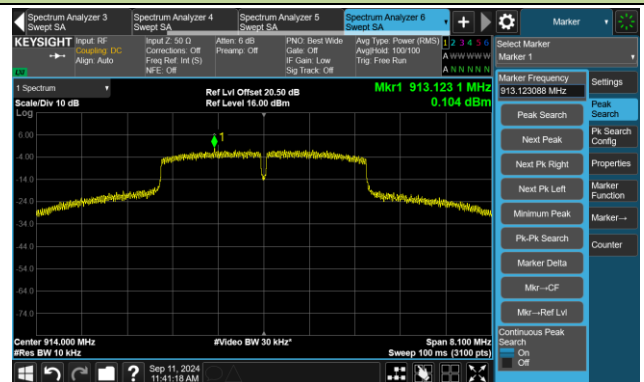


Test Mode 3 - PSD

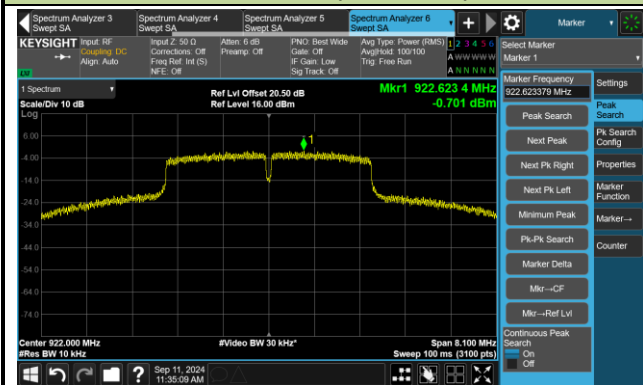
Channel 08 (906.0MHz)



Channel 24 (914.0MHz)

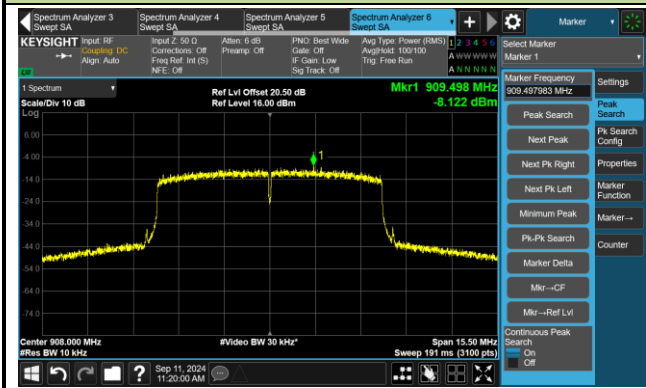


Channel 40 (922.0MHz)



Test Mode 4 - PSD

Channel 12 (908.0MHz)



Channel 28 (916.0MHz)



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

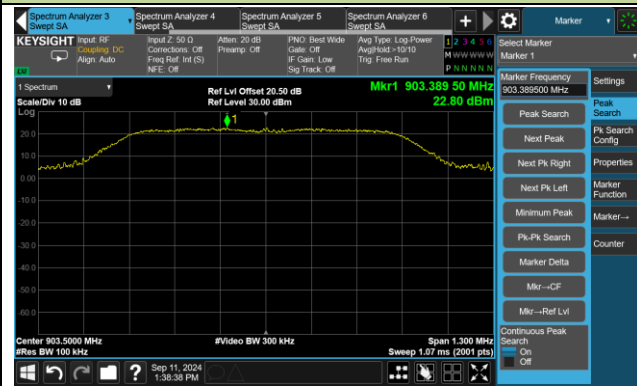
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-11		

Test Mode	Channel No.	Frequency (MHz)	Limit (dBc)	Result
1	03	903.5	30	Pass
	27	915.5	30	Pass
	49	926.5	30	Pass
2	06	905.0	30	Pass
	26	915.0	30	Pass
	46	925.0	30	Pass
3	08	906.0	30	Pass
	24	914.0	30	Pass
	40	922.0	30	Pass
4	12	908.0	30	Pass
	28	916.0	30	Pass

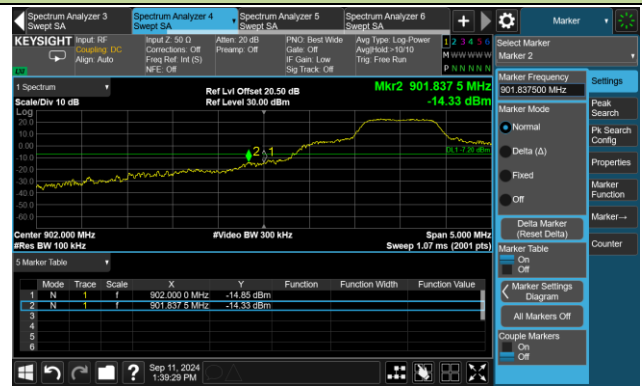
Test Mode 1 - Out-of-Band Emissions

Channel 03 (903.5MHz)

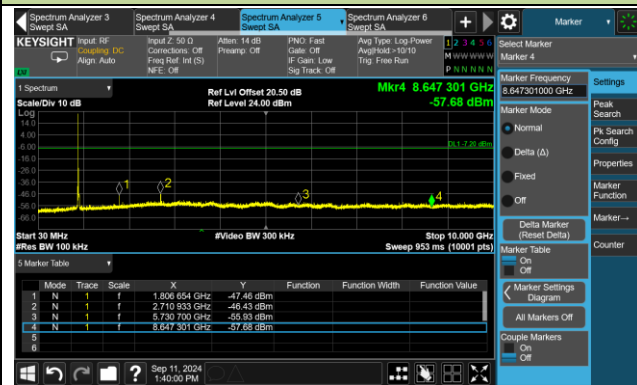
100kHz PSD Reference Level



Low Band Edge

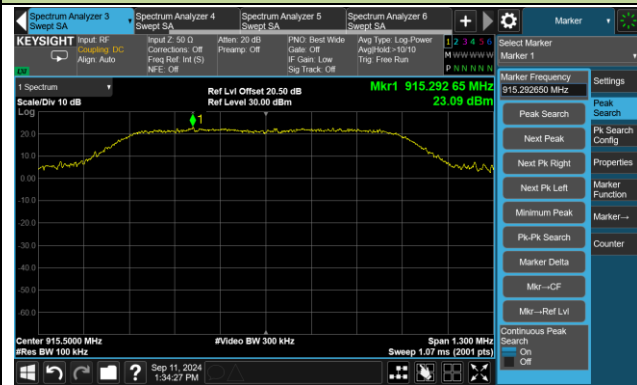


Spurious Emission 30MHz ~ 10GHz

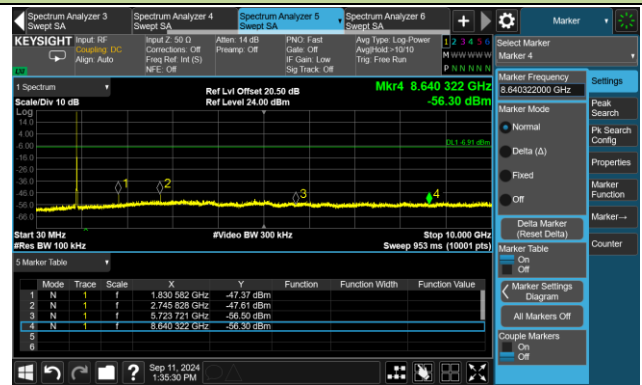


Channel 27 (915.5MHz)

100kHz PSD Reference Level



Spurious Emission 30MHz ~ 10GHz



Test Mode 1 - Out-of-Band Emissions

Channel 49 (926.5MHz)

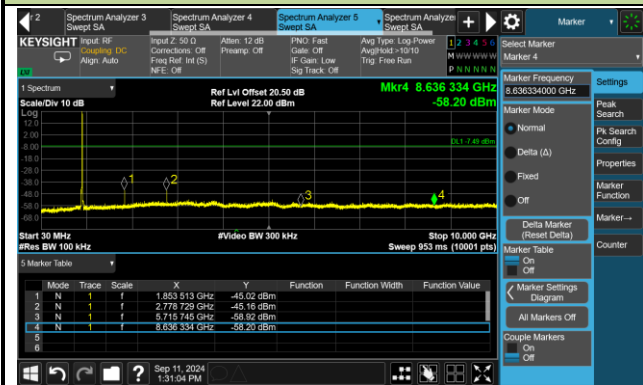
100kHz PSD Reference Level



High Band Edge



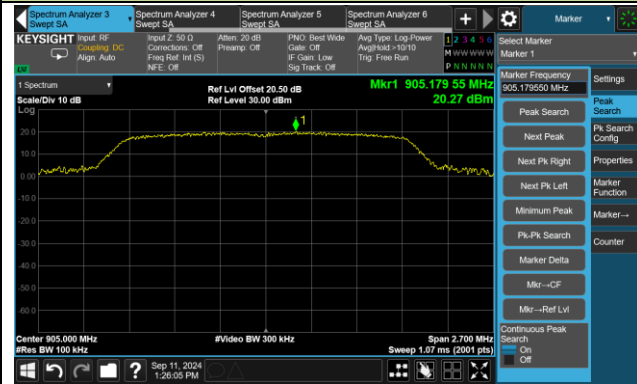
Spurious Emission 30MHz ~ 10GHz



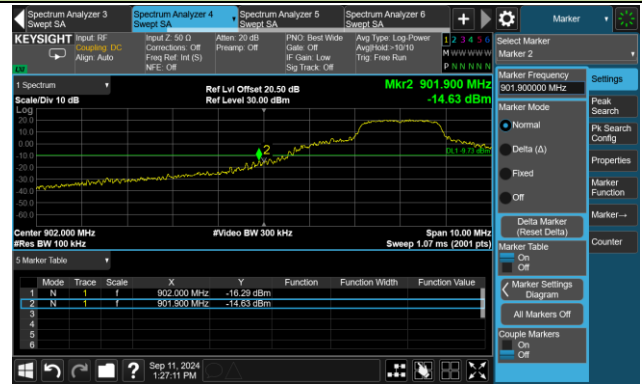
Test Mode 2 - Out-of-Band Emissions

Channel 06 (905.0MHz)

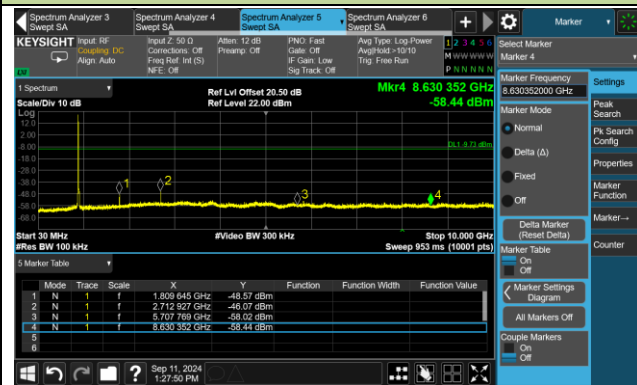
100kHz PSD Reference Level



Low Band Edge



Spurious Emission 30MHz ~ 10GHz

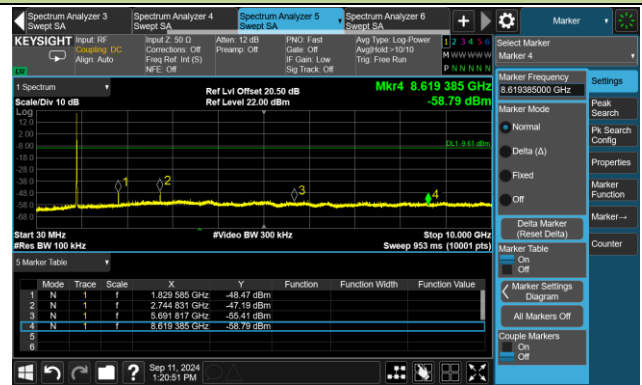


Channel 26 (915.0MHz)

100kHz PSD Reference Level



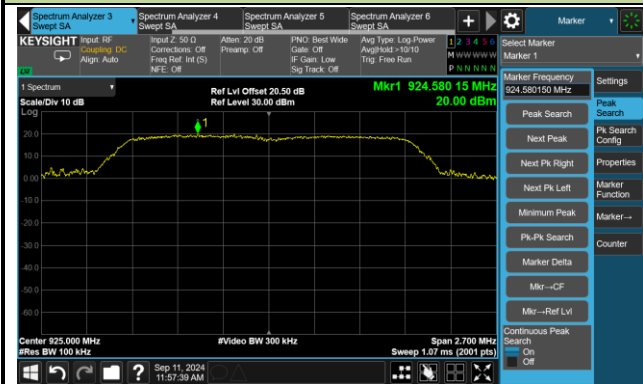
Spurious Emission 30MHz ~ 10GHz



Test Mode 2 - Out-of-Band Emissions

Channel 46 (925.0MHz)

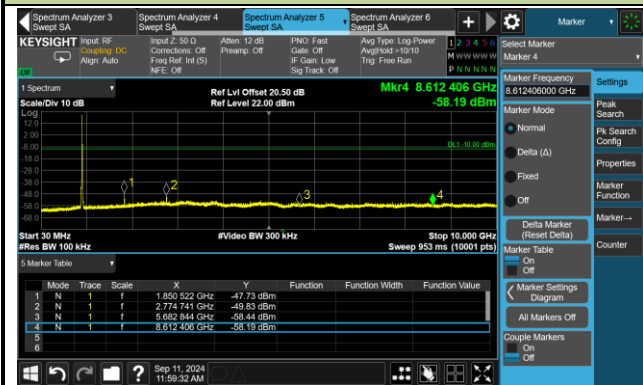
100kHz PSD Reference Level



High Band Edge



Spurious Emission 30MHz ~ 10GHz



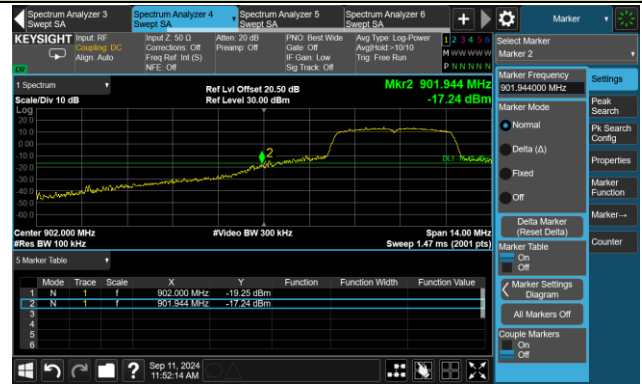
Test Mode 3 - Out-of-Band Emissions

Channel 08 (906.0MHz)

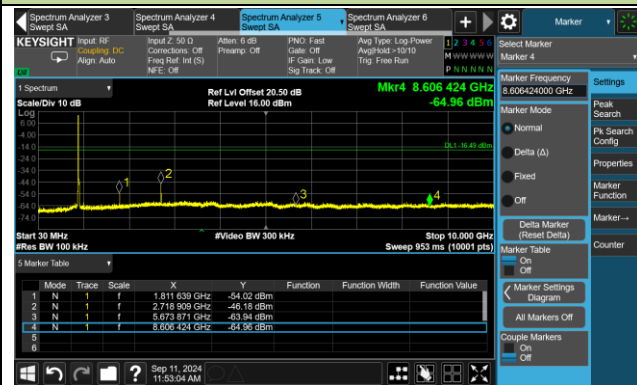
100kHz PSD Reference Level



Low Band Edge

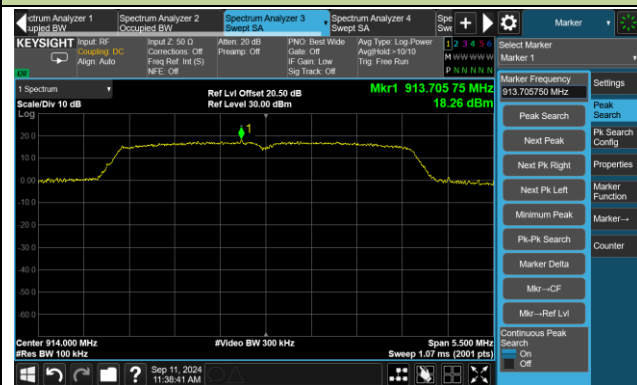


Spurious Emission 30MHz ~ 10GHz

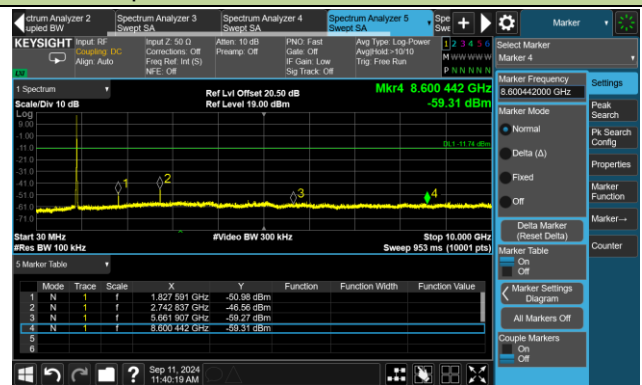


Channel 24 (914.0MHz)

100kHz PSD Reference Level



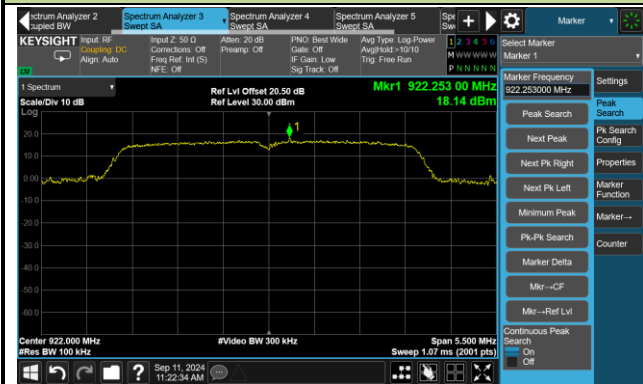
Spurious Emission 30MHz ~ 10GHz



Test Mode 3 - Out-of-Band Emissions

Channel 40 (922.0MHz)

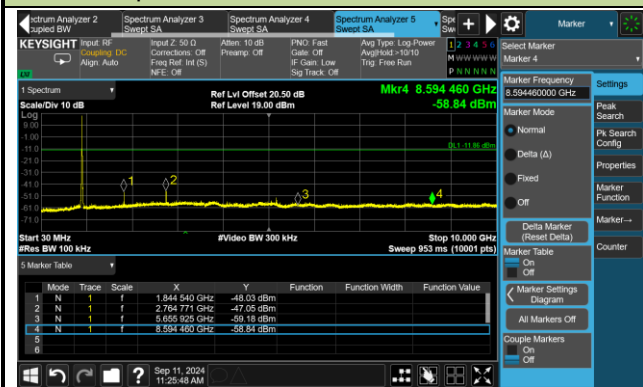
100kHz PSD Reference Level



High Band Edge



Spurious Emission 30MHz ~ 10GHz



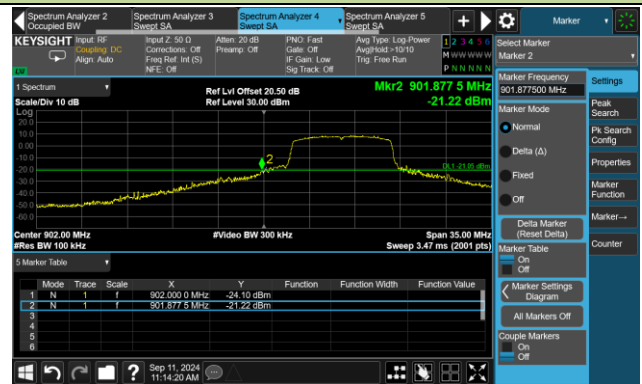
Test Mode 4 - Out-of-Band Emissions

Channel 12 (908.0MHz)

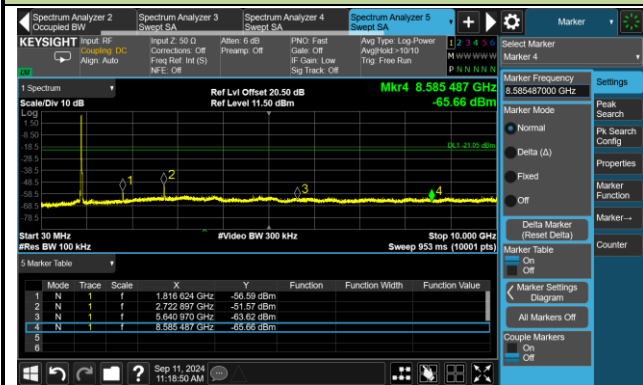
100kHz PSD Reference Level



Low Band Edge



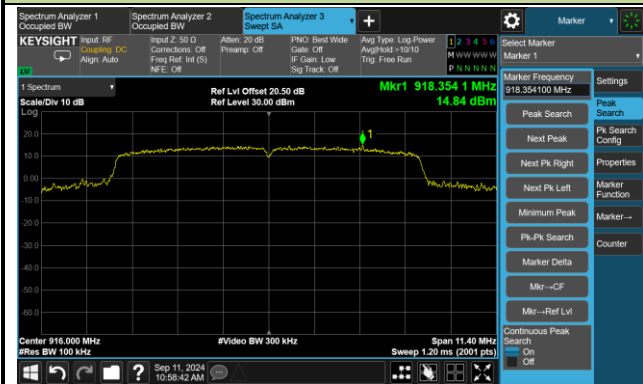
Spurious Emission 30MHz ~ 10GHz



Test Mode 4 - Out-of-Band Emissions

Channel 28 (916.0MHz)

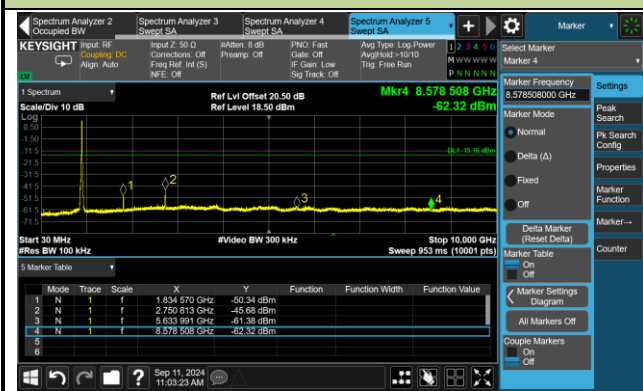
100kHz PSD Reference Level



Spurious Emission 30MHz ~ 10GHz



Spurious Emission 30MHz ~ 10GHz



A.6 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 1
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
03	47.460	-2.2	20.4	18.2	40.0	-21.8	Quasi-Peak	Horizontal
	104.399	-2.7	18.6	15.9	43.5	-27.6	Quasi-Peak	Horizontal
	200.041	4.9	18.9	23.8	43.5	-19.7	Quasi-Peak	Horizontal
	275.022	3.3	20.4	23.7	46.0	-22.3	Quasi-Peak	Horizontal
	375.029	5.3	22.7	28.0	46.0	-18.0	Quasi-Peak	Horizontal
	667.969	-1.2	28.4	27.2	46.0	-18.8	Quasi-Peak	Horizontal
	36.208	1.4	18.0	19.4	40.0	-20.6	Quasi-Peak	Vertical
	75.008	6.9	14.7	21.6	40.0	-18.4	Quasi-Peak	Vertical
	149.989	11.4	15.2	26.6	43.5	-16.9	Quasi-Peak	Vertical
	324.977	5.4	21.7	27.1	46.0	-18.9	Quasi-Peak	Vertical
	400.055	7.3	23.4	30.7	46.0	-15.3	Quasi-Peak	Vertical
	647.987	-2.2	27.9	25.7	46.0	-20.3	Quasi-Peak	Vertical
	1807.500	46.3	-4.1	42.2	74.0	-31.8	Peak	Horizontal
	2399.100	42.3	-1.5	40.8	74.0	-33.2	Peak	Horizontal
	7494.000	33.3	11.2	44.5	74.0	-29.5	Peak	Horizontal
	2399.100	41.6	-1.5	40.1	74.0	-33.9	Peak	Vertical
	2710.200	39.9	-1.6	38.3	74.0	-35.7	Peak	Vertical
	7128.500	31.5	11.0	42.5	74.0	-31.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 1
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
27	48.915	-3.0	20.5	17.5	40.0	-22.5	Quasi-Peak	Horizontal
	100.034	0.2	18.6	18.8	43.5	-24.7	Quasi-Peak	Horizontal
	200.041	7.8	18.9	26.7	43.5	-16.8	Quasi-Peak	Horizontal
	240.005	7.2	19.7	26.9	46.0	-19.1	Quasi-Peak	Horizontal
	375.029	6.1	22.7	28.8	46.0	-17.2	Quasi-Peak	Horizontal
	662.828	0.6	28.4	29.0	46.0	-17.0	Quasi-Peak	Horizontal
	36.305	2.1	18.0	20.1	40.0	-19.9	Quasi-Peak	Vertical
	75.008	10.2	14.7	24.9	40.0	-15.1	Quasi-Peak	Vertical
	149.989	12.7	15.2	27.9	43.5	-15.6	Quasi-Peak	Vertical
	240.005	9.7	19.7	29.4	46.0	-16.6	Quasi-Peak	Vertical
	375.029	8.4	22.7	31.1	46.0	-14.9	Quasi-Peak	Vertical
	767.103	-1.6	29.6	28.0	46.0	-18.0	Quasi-Peak	Vertical
	1831.300	45.7	-4.1	41.6	74.0	-32.4	Peak	Horizontal
	2751.000	46.5	-1.6	44.9	74.0	-29.1	Peak	Horizontal
	7376.700	32.5	11.1	43.6	74.0	-30.4	Peak	Horizontal
	2400.800	42.9	-1.5	41.4	74.0	-32.6	Peak	Vertical
	2747.600	41.3	-1.6	39.7	74.0	-34.3	Peak	Vertical
	7154.000	32.4	11.4	43.8	74.0	-30.2	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 1
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
49	47.169	-2.8	20.4	17.6	40.0	-22.4	Quasi-Peak	Horizontal
	100.034	0.4	18.6	19.0	43.5	-24.5	Quasi-Peak	Horizontal
	195.773	5.5	18.7	24.2	43.5	-19.3	Quasi-Peak	Horizontal
	240.005	7.6	19.7	27.3	46.0	-18.7	Quasi-Peak	Horizontal
	375.029	6.0	22.7	28.7	46.0	-17.3	Quasi-Peak	Horizontal
	663.216	-1.4	28.4	27.0	46.0	-19.0	Quasi-Peak	Horizontal
	36.208	3.2	18.0	21.2	40.0	-18.8	Quasi-Peak	Vertical
	71.322	8.3	15.9	24.2	40.0	-15.8	Quasi-Peak	Vertical
	149.989	12.4	15.2	27.6	43.5	-15.9	Quasi-Peak	Vertical
	240.005	10.2	19.7	29.9	46.0	-16.1	Quasi-Peak	Vertical
	375.029	7.6	22.7	30.3	46.0	-15.7	Quasi-Peak	Vertical
	661.761	-1.3	28.4	27.1	46.0	-18.9	Quasi-Peak	Vertical
	1853.400	47.5	-4.0	43.5	74.0	-30.5	Peak	Horizontal
	2776.500	44.3	-1.7	42.6	74.0	-31.4	Peak	Horizontal
	8039.700	32.9	11.6	44.5	74.0	-29.5	Peak	Horizontal
	2400.800	40.6	-1.5	39.1	74.0	-34.9	Peak	Vertical
	2790.100	45.5	-1.8	43.7	74.0	-30.3	Peak	Vertical
	7667.400	34.0	10.8	44.8	74.0	-29.2	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 2
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
06	43.968	-2.9	20.1	17.2	40.0	-22.8	Quasi-Peak	Horizontal
	110.607	-1.3	18.1	16.8	43.5	-26.7	Quasi-Peak	Horizontal
	200.041	7.3	18.9	26.2	43.5	-17.3	Quasi-Peak	Horizontal
	240.005	7.4	19.7	27.1	46.0	-18.9	Quasi-Peak	Horizontal
	375.029	6.1	22.7	28.8	46.0	-17.2	Quasi-Peak	Horizontal
	659.239	-3.0	28.4	25.4	46.0	-20.6	Quasi-Peak	Horizontal
	71.322	14.6	15.9	30.5	40.0	-9.5	Quasi-Peak	Vertical
	149.989	13.6	15.2	28.8	43.5	-14.7	Quasi-Peak	Vertical
	240.005	10.2	19.7	29.9	46.0	-16.1	Quasi-Peak	Vertical
	375.029	7.9	22.7	30.6	46.0	-15.4	Quasi-Peak	Vertical
	424.984	7.6	23.7	31.3	46.0	-14.7	Quasi-Peak	Vertical
	750.419	-1.1	29.8	28.7	46.0	-17.3	Quasi-Peak	Vertical
	1919.700	43.6	-3.7	39.9	74.0	-34.1	Peak	Horizontal
	2400.800	41.7	-1.5	40.2	74.0	-33.8	Peak	Horizontal
	7522.900	32.5	11.3	43.8	74.0	-30.2	Peak	Horizontal
	1919.700	41.5	-3.7	37.8	74.0	-36.2	Peak	Vertical
	2399.100	42.5	-1.5	41.0	74.0	-33.0	Peak	Vertical
	7308.700	33.2	11.0	44.2	74.0	-29.8	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 2
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
26	51.631	-2.2	20.4	18.2	40.0	-21.8	Quasi-Peak	Horizontal
	105.466	1.0	18.5	19.5	43.5	-24.0	Quasi-Peak	Horizontal
	200.041	8.0	18.9	26.9	43.5	-16.6	Quasi-Peak	Horizontal
	240.005	7.6	19.7	27.3	46.0	-18.7	Quasi-Peak	Horizontal
	375.029	5.7	22.7	28.4	46.0	-17.6	Quasi-Peak	Horizontal
	770.401	0.3	29.6	29.9	46.0	-16.1	Quasi-Peak	Horizontal
	36.111	4.3	17.9	22.2	40.0	-17.8	Quasi-Peak	Vertical
	73.165	14.5	15.3	29.8	40.0	-10.2	Quasi-Peak	Vertical
	149.989	14.5	15.2	29.7	43.5	-13.8	Quasi-Peak	Vertical
	240.005	12.0	19.7	31.7	46.0	-14.3	Quasi-Peak	Vertical
	424.984	7.0	23.7	30.7	46.0	-15.3	Quasi-Peak	Vertical
	784.466	-1.3	30.0	28.7	46.0	-17.3	Quasi-Peak	Vertical
	1831.300	46.6	-4.1	42.5	74.0	-31.5	Peak	Horizontal
	2399.100	42.3	-1.5	40.8	74.0	-33.2	Peak	Horizontal
	7655.500	33.0	10.9	43.9	74.0	-30.1	Peak	Horizontal
	2399.100	43.5	-1.5	42.0	74.0	-32.0	Peak	Vertical
	2744.200	40.5	-1.6	38.9	74.0	-35.1	Peak	Vertical
	7402.200	32.2	11.2	43.4	74.0	-30.6	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 2
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
46	46.975	-1.1	20.4	19.3	40.0	-20.7	Quasi-Peak	Horizontal
	107.891	0.4	18.4	18.8	43.5	-24.7	Quasi-Peak	Horizontal
	175.015	7.8	16.5	24.3	43.5	-19.2	Quasi-Peak	Horizontal
	240.005	7.5	19.7	27.2	46.0	-18.8	Quasi-Peak	Horizontal
	375.029	6.1	22.7	28.8	46.0	-17.2	Quasi-Peak	Horizontal
	623.349	1.3	27.4	28.7	46.0	-17.3	Quasi-Peak	Horizontal
	36.208	3.4	18.0	21.4	40.0	-18.6	Quasi-Peak	Vertical
	75.008	9.4	14.7	24.1	40.0	-15.9	Quasi-Peak	Vertical
	149.989	14.7	15.2	29.9	43.5	-13.6	Quasi-Peak	Vertical
	240.005	9.7	19.7	29.4	46.0	-16.6	Quasi-Peak	Vertical
	479.983	6.0	24.8	30.8	46.0	-15.2	Quasi-Peak	Vertical
	743.629	1.2	29.8	31.0	46.0	-15.0	Quasi-Peak	Vertical
	1919.700	44.2	-3.7	40.5	74.0	-33.5	Peak	Horizontal
	2399.100	42.8	-1.5	41.3	74.0	-32.7	Peak	Horizontal
	8024.400	32.8	11.6	44.4	74.0	-29.6	Peak	Horizontal
	1919.700	42.4	-3.7	38.7	74.0	-35.3	Peak	Vertical
	2400.800	41.5	-1.5	40.0	74.0	-34.0	Peak	Vertical
	7713.300	32.9	10.7	43.6	74.0	-30.4	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 3
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
08	48.139	-1.1	20.5	19.4	40.0	-20.6	Quasi-Peak	Horizontal
	108.764	0.0	18.3	18.3	43.5	-25.2	Quasi-Peak	Horizontal
	175.015	8.7	16.5	25.2	43.5	-18.3	Quasi-Peak	Horizontal
	240.005	8.0	19.7	27.7	46.0	-18.3	Quasi-Peak	Horizontal
	375.029	5.4	22.7	28.1	46.0	-17.9	Quasi-Peak	Horizontal
	750.516	0.3	29.8	30.1	46.0	-15.9	Quasi-Peak	Horizontal
	34.947	4.6	17.6	22.2	40.0	-17.8	Quasi-Peak	Vertical
	72.680	7.8	15.4	23.2	40.0	-16.8	Quasi-Peak	Vertical
	103.623	2.6	18.6	21.2	43.5	-22.3	Quasi-Peak	Vertical
	149.989	12.6	15.2	27.8	43.5	-15.7	Quasi-Peak	Vertical
	240.005	10.5	19.7	30.2	46.0	-15.8	Quasi-Peak	Vertical
	660.015	0.8	28.4	29.2	46.0	-16.8	Quasi-Peak	Vertical
	1919.700	45.1	-3.7	41.4	74.0	-32.6	Peak	Horizontal
	2400.800	43.6	-1.5	42.1	74.0	-31.9	Peak	Horizontal
	8036.300	32.2	11.6	43.8	74.0	-30.2	Peak	Horizontal
	2400.800	42.6	-1.5	41.1	74.0	-32.9	Peak	Vertical
	2717.000	36.6	-1.6	35.0	54.0	-19.0	Average	Vertical
	2717.000	61.0	-1.6	59.4	74.0	-14.6	Peak	Vertical
	4830.100	33.9	3.6	37.5	74.0	-36.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 3
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
24	48.236	-1.9	20.5	18.6	40.0	-21.4	Quasi-Peak	Horizontal
	109.055	-1.8	18.3	16.5	43.5	-27.0	Quasi-Peak	Horizontal
	175.015	8.8	16.5	25.3	43.5	-18.2	Quasi-Peak	Horizontal
	240.005	8.5	19.7	28.2	46.0	-17.8	Quasi-Peak	Horizontal
	375.029	5.5	22.7	28.2	46.0	-17.8	Quasi-Peak	Horizontal
	719.961	0.4	28.8	29.2	46.0	-16.8	Quasi-Peak	Horizontal
	36.208	4.3	18.0	22.3	40.0	-17.7	Quasi-Peak	Vertical
	140.386	4.5	15.3	19.8	43.5	-23.7	Quasi-Peak	Vertical
	149.989	12.8	15.2	28.0	43.5	-15.5	Quasi-Peak	Vertical
	240.005	9.9	19.7	29.6	46.0	-16.4	Quasi-Peak	Vertical
	424.984	6.4	23.7	30.1	46.0	-15.9	Quasi-Peak	Vertical
	695.226	0.4	28.7	29.1	46.0	-16.9	Quasi-Peak	Vertical
	2399.100	43.2	-1.5	41.7	74.0	-32.3	Peak	Horizontal
	2744.200	47.5	-1.6	45.9	74.0	-28.1	Peak	Horizontal
	7460.000	32.3	11.5	43.8	74.0	-30.2	Peak	Horizontal
	2399.100	43.4	-1.5	41.9	74.0	-32.1	Peak	Vertical
	2742.500	36.2	-1.6	34.6	54.0	-19.4	Average	Vertical
	2742.500	67.7	-1.6	66.1	74.0	-7.9	Peak	Vertical
	7252.600	31.5	11.3	42.8	74.0	-31.2	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 3
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
40	48.721	-1.4	20.5	19.1	40.0	-20.9	Quasi-Peak	Horizontal
	112.547	0.9	17.9	18.8	43.5	-24.7	Quasi-Peak	Horizontal
	175.015	8.1	16.5	24.6	43.5	-18.9	Quasi-Peak	Horizontal
	200.041	8.9	18.9	27.8	43.5	-15.7	Quasi-Peak	Horizontal
	375.029	5.9	22.7	28.6	46.0	-17.4	Quasi-Peak	Horizontal
	686.399	0.9	28.6	29.5	46.0	-16.5	Quasi-Peak	Horizontal
	36.305	4.5	18.0	22.5	40.0	-17.5	Quasi-Peak	Vertical
	75.008	7.7	14.7	22.4	40.0	-17.6	Quasi-Peak	Vertical
	149.989	14.5	15.2	29.7	43.5	-13.8	Quasi-Peak	Vertical
	240.005	10.7	19.7	30.4	46.0	-15.6	Quasi-Peak	Vertical
	424.984	7.2	23.7	30.9	46.0	-15.1	Quasi-Peak	Vertical
	690.958	0.5	28.6	29.1	46.0	-16.9	Quasi-Peak	Vertical
	2400.800	44.6	-1.5	43.1	74.0	-30.9	Peak	Horizontal
	2762.900	33.9	-1.6	32.3	54.0	-21.7	Average	Horizontal
	2762.900	64.0	-1.6	62.4	74.0	-11.6	Peak	Horizontal
	7431.100	33.8	11.3	45.1	74.0	-28.9	Peak	Horizontal
	1919.700	44.4	-3.7	40.7	74.0	-33.3	Peak	Vertical
	2400.800	45.1	-1.5	43.6	74.0	-30.4	Peak	Vertical
	7560.300	34.2	11.3	45.5	74.0	-28.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 4
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
12	45.035	-1.8	20.3	18.5	40.0	-21.5	Quasi-Peak	Horizontal
	99.937	0.2	18.6	18.8	43.5	-24.7	Quasi-Peak	Horizontal
	175.015	8.1	16.5	24.6	43.5	-18.9	Quasi-Peak	Horizontal
	240.005	8.4	19.7	28.1	46.0	-17.9	Quasi-Peak	Horizontal
	375.029	5.1	22.7	27.8	46.0	-18.2	Quasi-Peak	Horizontal
	656.038	0.7	28.3	29.0	46.0	-17.0	Quasi-Peak	Horizontal
	36.305	3.5	18.0	21.5	40.0	-18.5	Quasi-Peak	Vertical
	75.008	8.5	14.7	23.2	40.0	-16.8	Quasi-Peak	Vertical
	149.989	14.3	15.2	29.5	43.5	-14.0	Quasi-Peak	Vertical
	240.005	10.6	19.7	30.3	46.0	-15.7	Quasi-Peak	Vertical
	424.984	6.7	23.7	30.4	46.0	-15.6	Quasi-Peak	Vertical
	719.961	1.0	28.8	29.8	46.0	-16.2	Quasi-Peak	Vertical
	2400.800	44.8	-1.5	43.3	74.0	-30.7	Peak	Horizontal
	5091.900	36.4	3.8	40.2	74.0	-33.8	Peak	Horizontal
	9875.700	35.2	13.5	48.7	74.0	-25.3	Peak	Horizontal
	1919.700	44.9	-3.7	41.2	74.0	-32.8	Peak	Vertical
	2399.100	45.0	-1.5	43.5	74.0	-30.5	Peak	Vertical
	4984.800	35.9	3.6	39.5	74.0	-34.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2024-09-18	Test Mode	Mode 4
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line, 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
28	42.901	-1.6	19.9	18.3	40.0	-21.7	Quasi-Peak	Horizontal
	100.034	0.7	18.6	19.3	43.5	-24.2	Quasi-Peak	Horizontal
	200.041	8.5	18.9	27.4	43.5	-16.1	Quasi-Peak	Horizontal
	240.005	7.6	19.7	27.3	46.0	-18.7	Quasi-Peak	Horizontal
	375.029	5.2	22.7	27.9	46.0	-18.1	Quasi-Peak	Horizontal
	746.054	0.2	29.8	30.0	46.0	-16.0	Quasi-Peak	Horizontal
	36.208	4.7	18.0	22.7	40.0	-17.3	Quasi-Peak	Vertical
	75.008	8.6	14.7	23.3	40.0	-16.7	Quasi-Peak	Vertical
	149.989	15.0	15.2	30.2	43.5	-13.3	Quasi-Peak	Vertical
	240.005	10.1	19.7	29.8	46.0	-16.2	Quasi-Peak	Vertical
	424.984	7.0	23.7	30.7	46.0	-15.3	Quasi-Peak	Vertical
	771.953	0.7	29.6	30.3	46.0	-15.7	Quasi-Peak	Vertical
	1904.400	50.8	-3.8	47.0	74.0	-27.0	Peak	Horizontal
	2399.100	44.8	-1.5	43.3	74.0	-30.7	Peak	Horizontal
	7709.900	34.5	10.7	45.2	74.0	-28.8	Peak	Horizontal
	2400.800	37.7	-1.5	36.2	74.0	-37.8	Peak	Vertical
	5057.900	28.4	3.9	32.3	74.0	-41.7	Peak	Vertical
	7709.800	24.6	10.7	35.3	74.0	-38.7	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

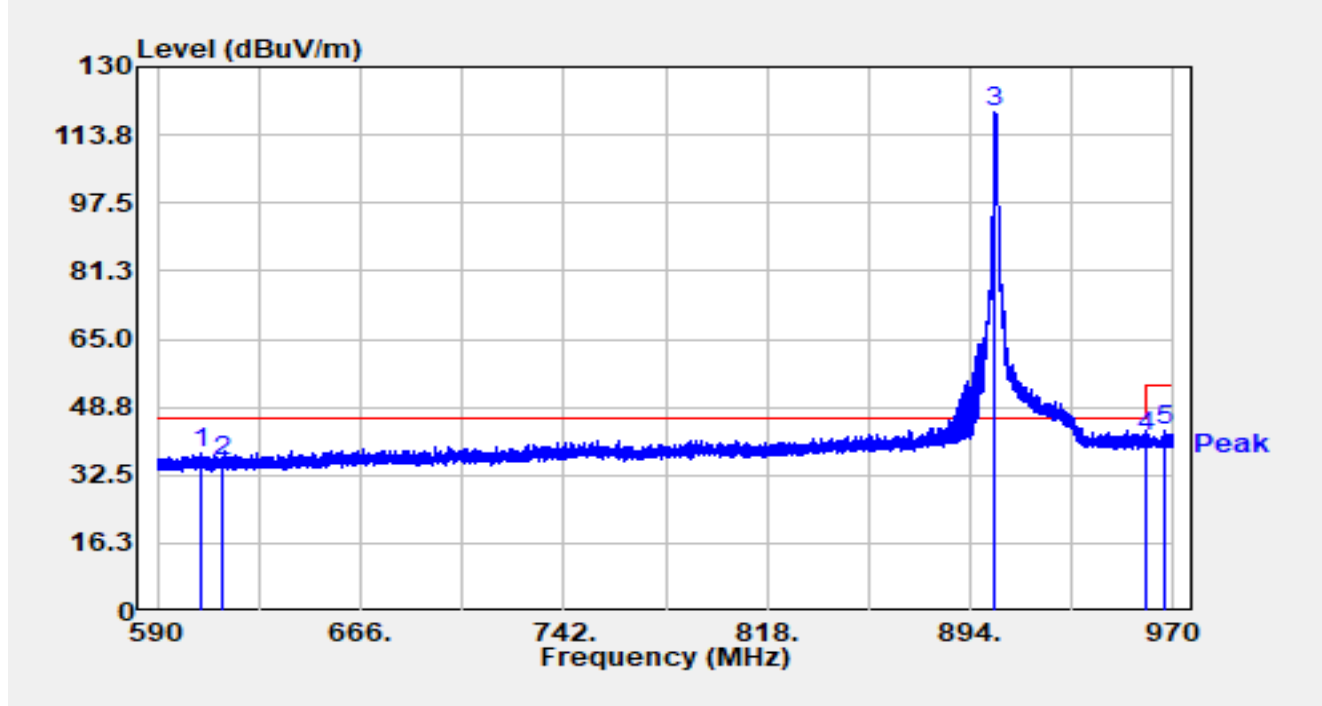
For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.7 Radiated Restricted Band Edge Test Result

Site	WZ-AC2	Test Date	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 1M at 903.5MHz		

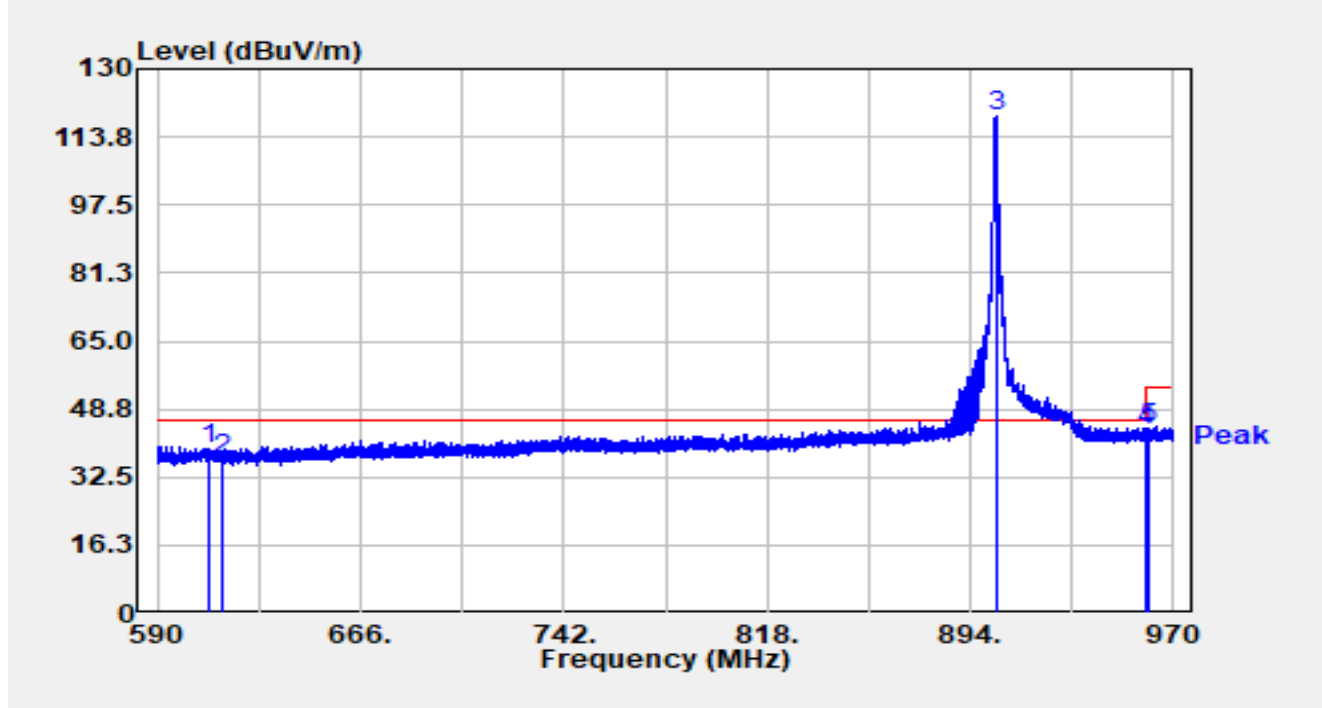


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		606.454	9.81	27.82	37.63	-8.37	46.00	Peak
2		614.000	7.87	27.83	35.70	-10.30	46.00	Peak
3	*	903.234	86.89	32.10	118.99	N/A	N/A	Peak
4		960.000	9.62	32.03	41.65	-4.35	46.00	Peak
5		966.238	10.85	32.16	43.01	-10.99	54.00	Peak

Notes:

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

Site	WZ-AC2	Test Date	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 1M at 903.5MHz		

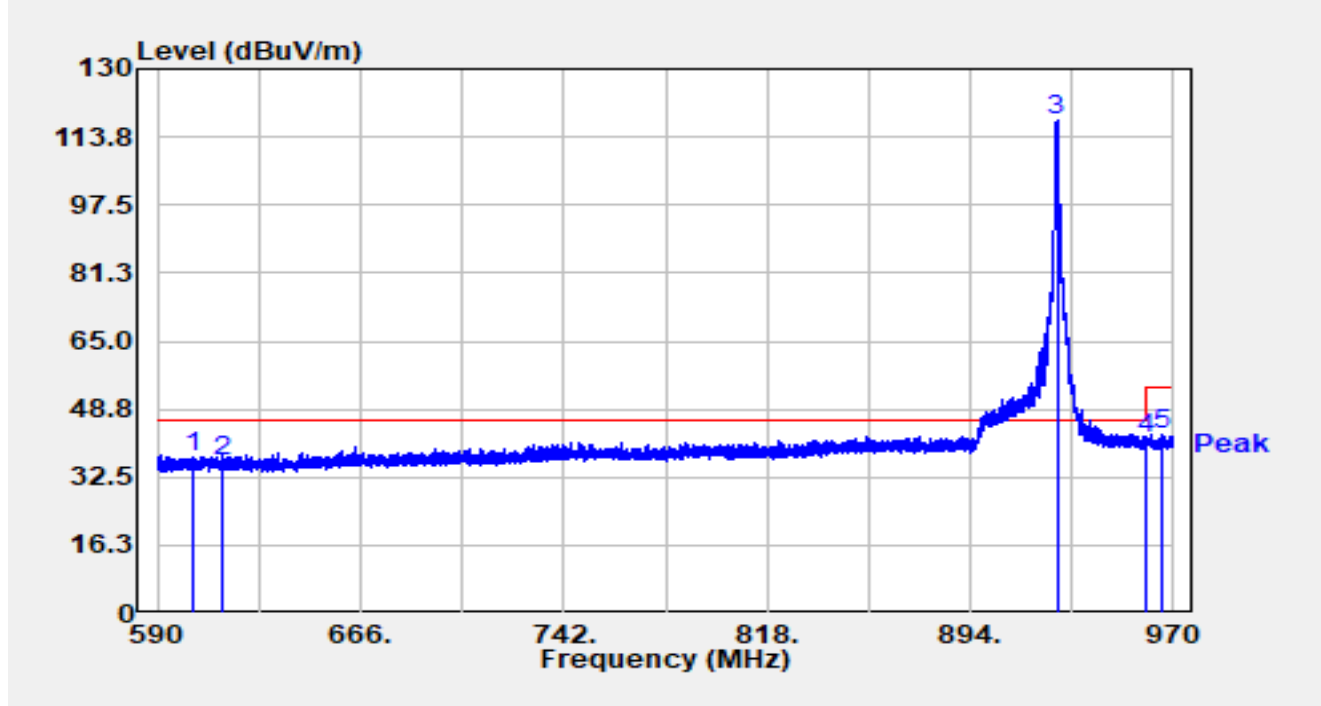


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		609.076	11.60	27.86	39.46	-6.54	46.00	Peak
2		614.000	9.05	27.83	36.87	-9.13	46.00	Peak
3	*	903.500	86.38	32.10	118.48	N/A	N/A	Peak
4		960.000	11.47	32.03	43.50	-2.50	46.00	Peak
5		960.994	12.14	32.05	44.18	-9.82	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 1M at 926.5MHz		

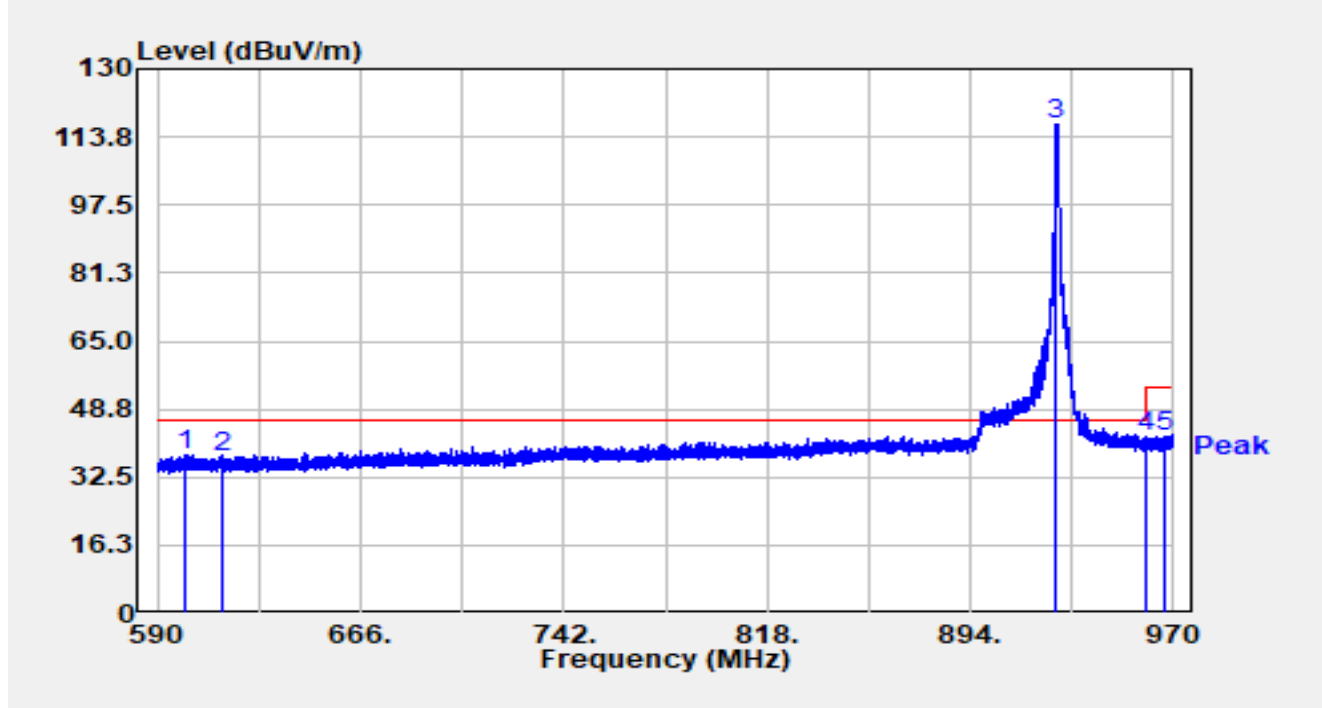


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		603.148	9.45	27.71	37.16	-8.84	46.00	Peak
2		614.000	8.29	27.83	36.12	-9.88	46.00	Peak
3	*	926.376	85.70	32.23	117.94	N/A	N/A	Peak
4		960.000	9.56	32.03	41.59	-4.41	46.00	Peak
5		965.896	10.68	32.15	42.83	-11.17	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 1M at 926.5MHz		

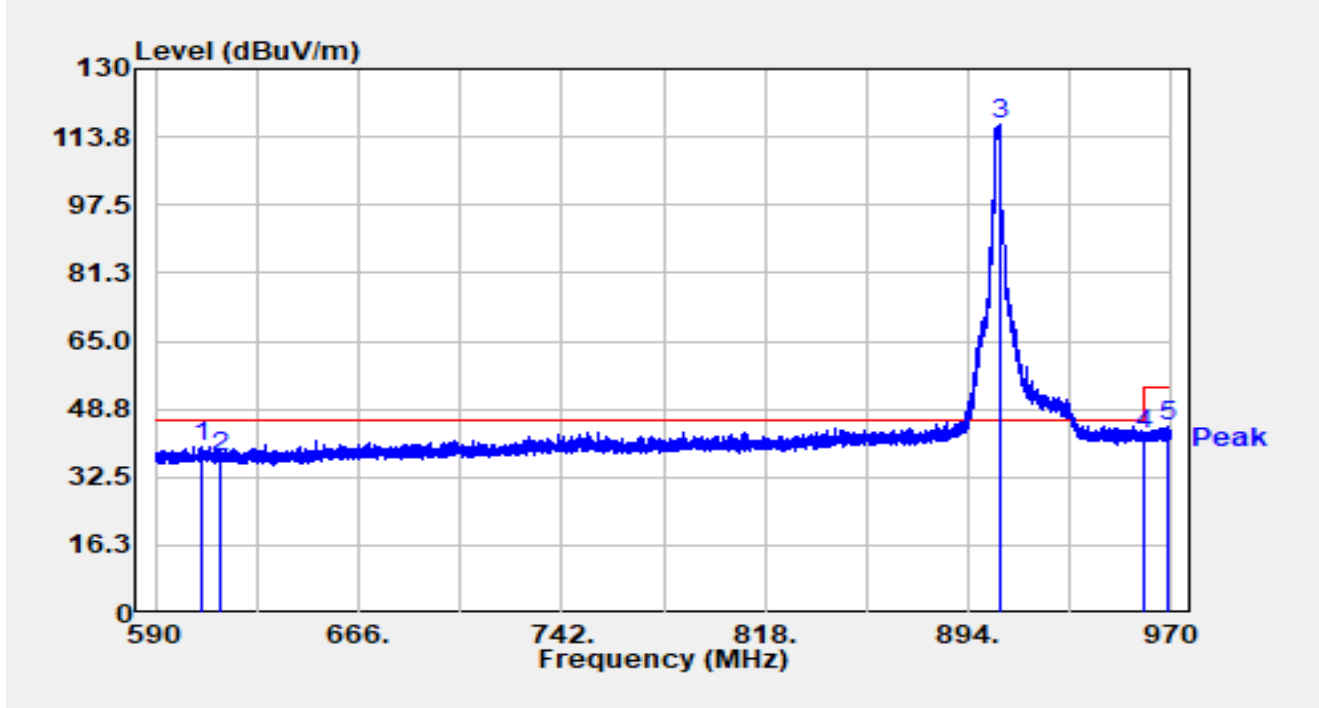


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		600.032	10.25	27.65	37.90	-8.10	46.00	Peak
2		614.000	9.47	27.83	37.30	-8.70	46.00	Peak
3	*	926.300	84.47	32.24	116.70	N/A	N/A	Peak
4		960.000	10.22	32.03	42.25	-3.75	46.00	Peak
5		966.390	9.91	32.16	42.08	-11.92	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 2M at 905MHz		

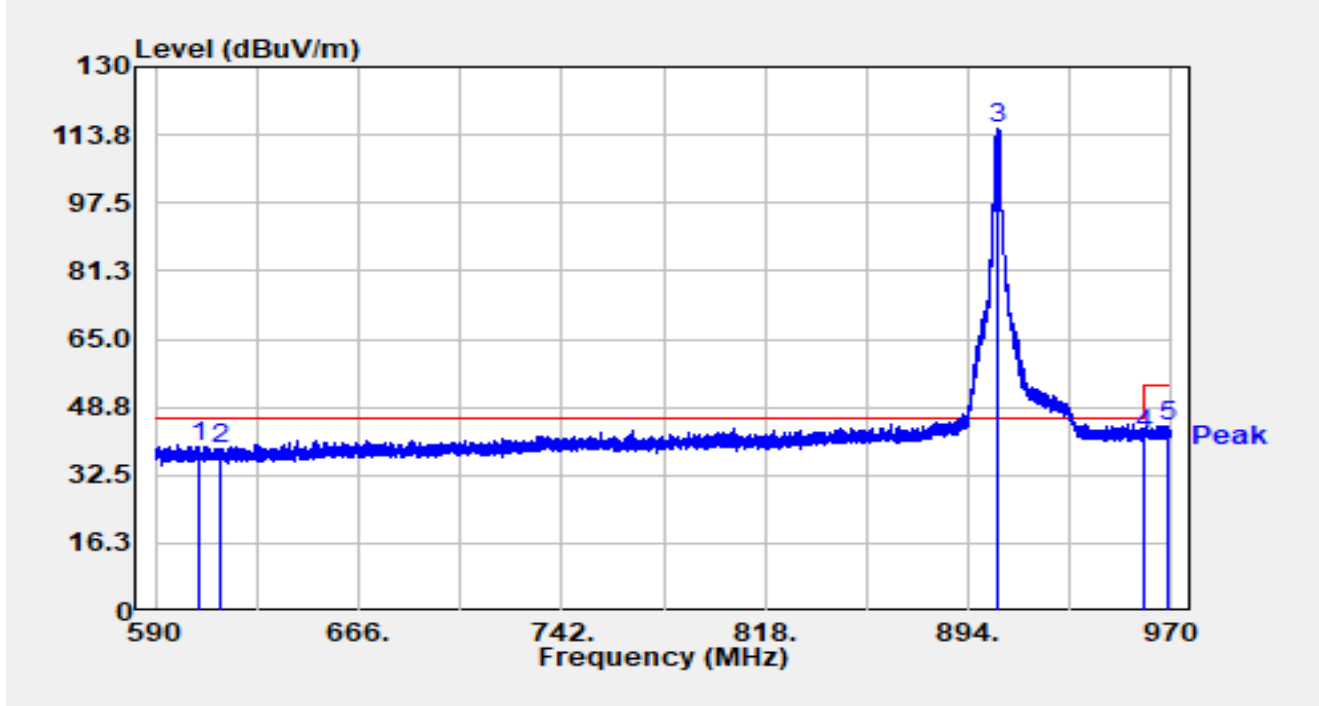


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		607.556	11.86	27.85	39.71	-6.29	46.00	Peak
2		614.000	9.63	27.83	37.46	-8.54	46.00	Peak
3	*	905.514	84.48	32.14	116.62	N/A	N/A	Peak
4		960.000	10.61	32.03	42.64	-3.36	46.00	Peak
5		968.480	12.18	32.23	44.41	-9.59	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit at by 2M 905MHz		

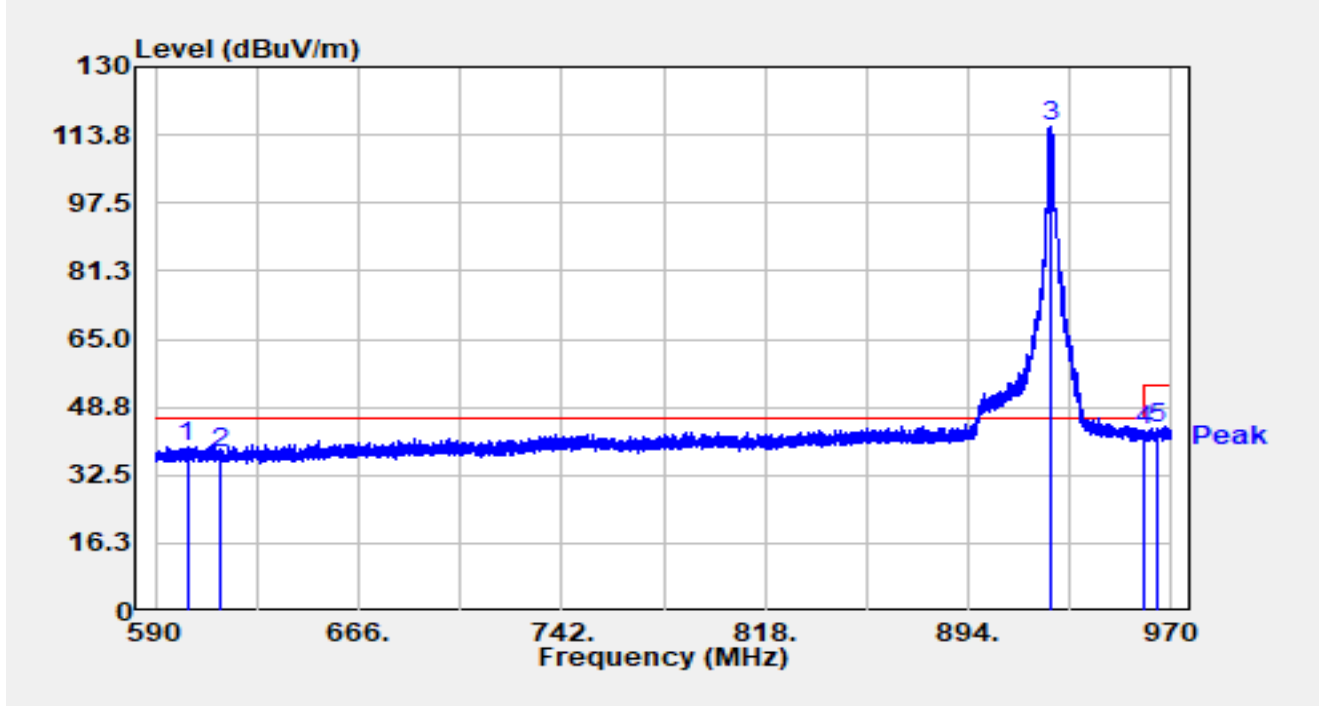


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		606.112	11.64	27.80	39.44	-6.56	46.00	Peak
2		614.000	10.73	27.83	38.55	-7.45	46.00	Peak
3	*	904.754	83.11	32.12	115.23	N/A	N/A	Peak
4		960.000	10.19	32.03	42.22	-3.78	46.00	Peak
5		968.632	12.08	32.23	44.31	-9.69	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit at by 2M 925MHz		

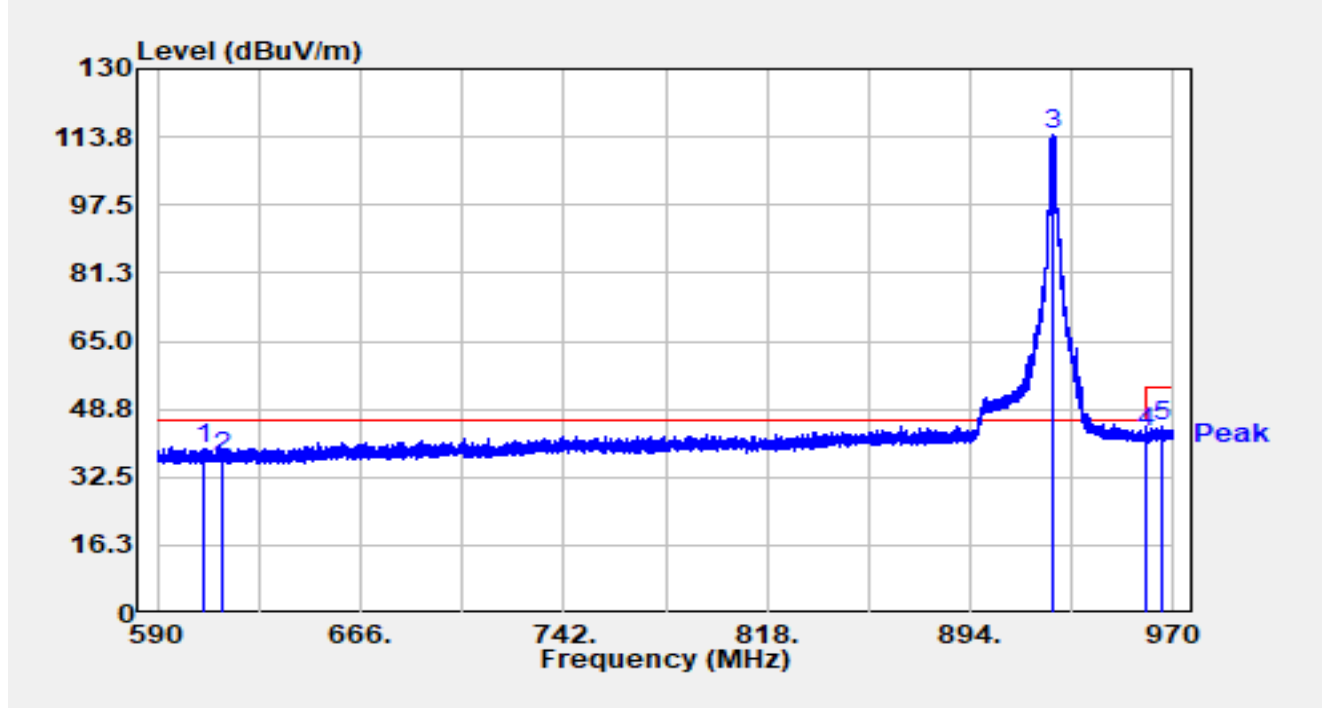


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		601.818	11.56	27.68	39.24	-6.76	46.00	Peak
2		614.000	10.18	27.83	38.01	-7.99	46.00	Peak
3	*	924.780	83.44	32.25	115.69	N/A	N/A	Peak
4		960.000	11.06	32.03	43.09	-2.91	46.00	Peak
5		964.224	11.78	32.11	43.89	-10.11	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 2M at 925MHz		

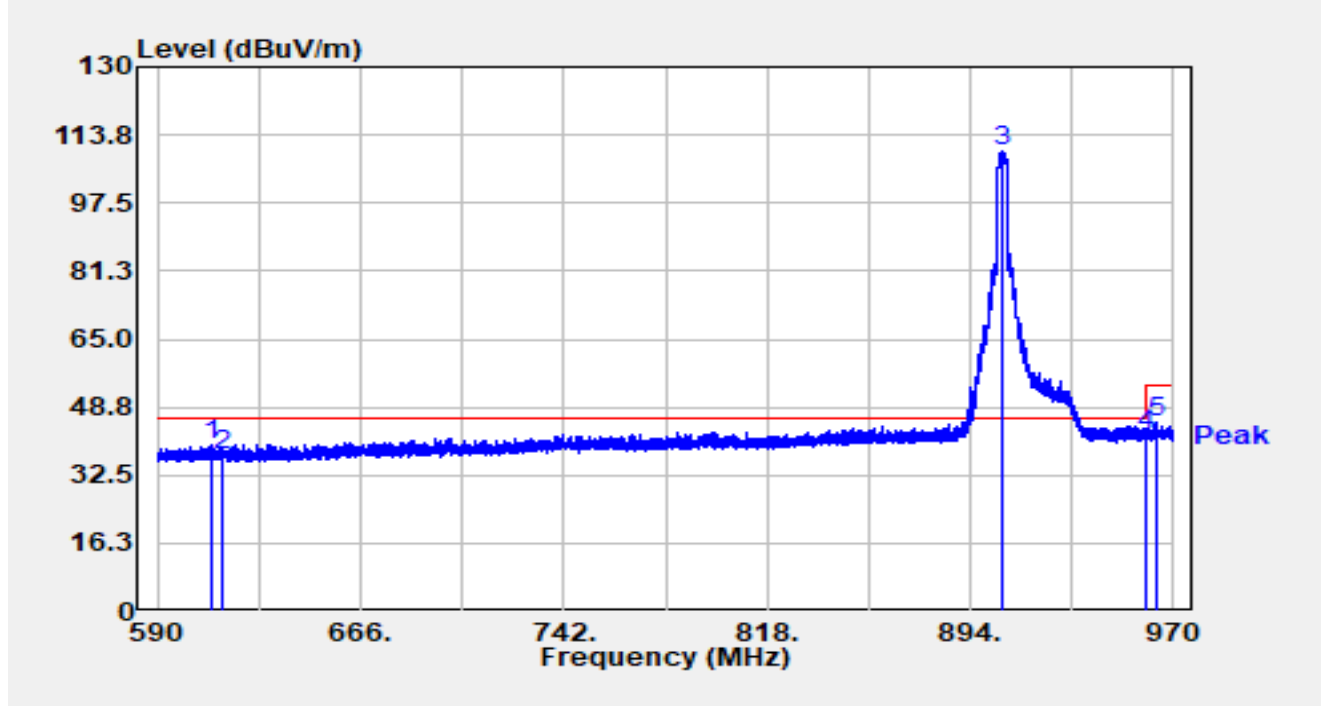


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		607.290	11.62	27.84	39.46	-6.54	46.00	Peak
2		614.000	9.33	27.83	37.16	-8.84	46.00	Peak
3	*	924.856	82.14	32.25	114.39	N/A	N/A	Peak
4		960.000	11.21	32.03	43.25	-2.75	46.00	Peak
5		965.896	12.35	32.15	44.50	-9.50	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 4M at 906MHz		

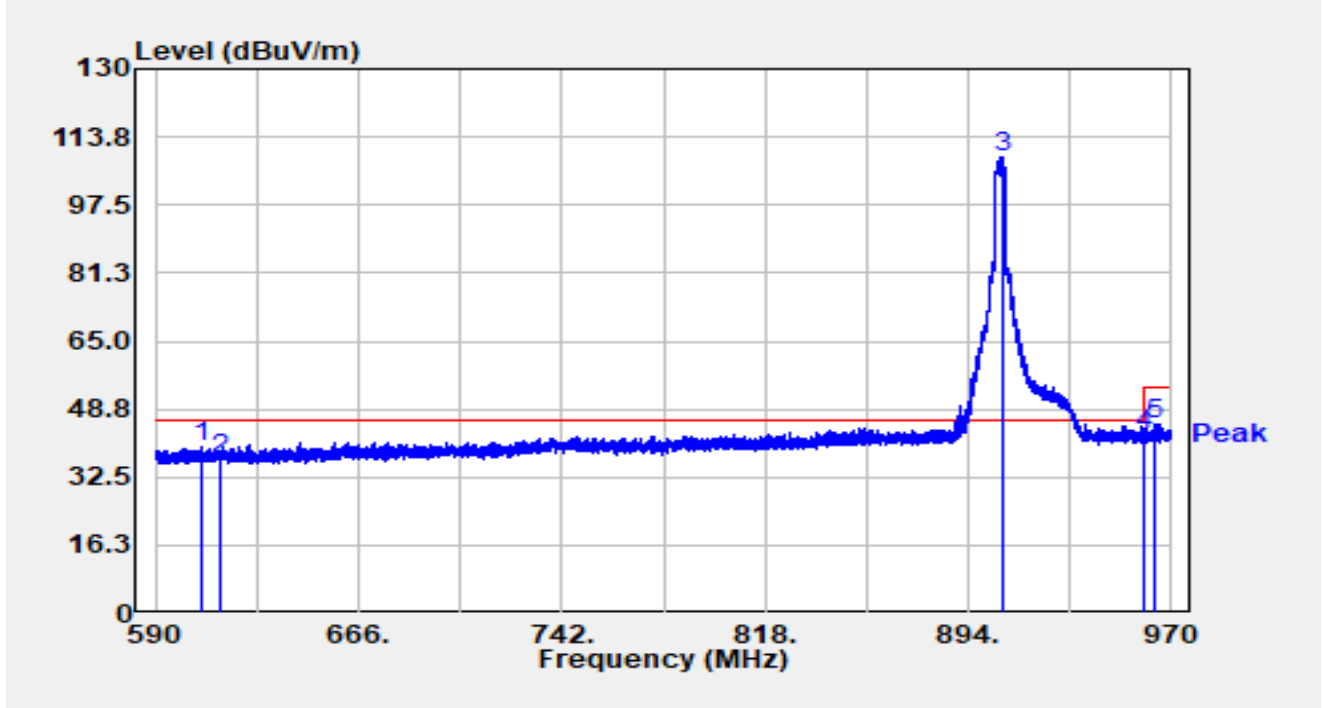


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		609.950	11.67	27.85	39.52	-6.48	46.00	Peak
2		614.000	9.28	27.83	37.11	-8.89	46.00	Peak
3	*	905.856	77.80	32.15	109.95	N/A	N/A	Peak
4		960.000	10.07	32.03	42.10	-3.90	46.00	Peak
5		963.920	12.92	32.10	45.02	-8.98	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 4M at 906MHz		

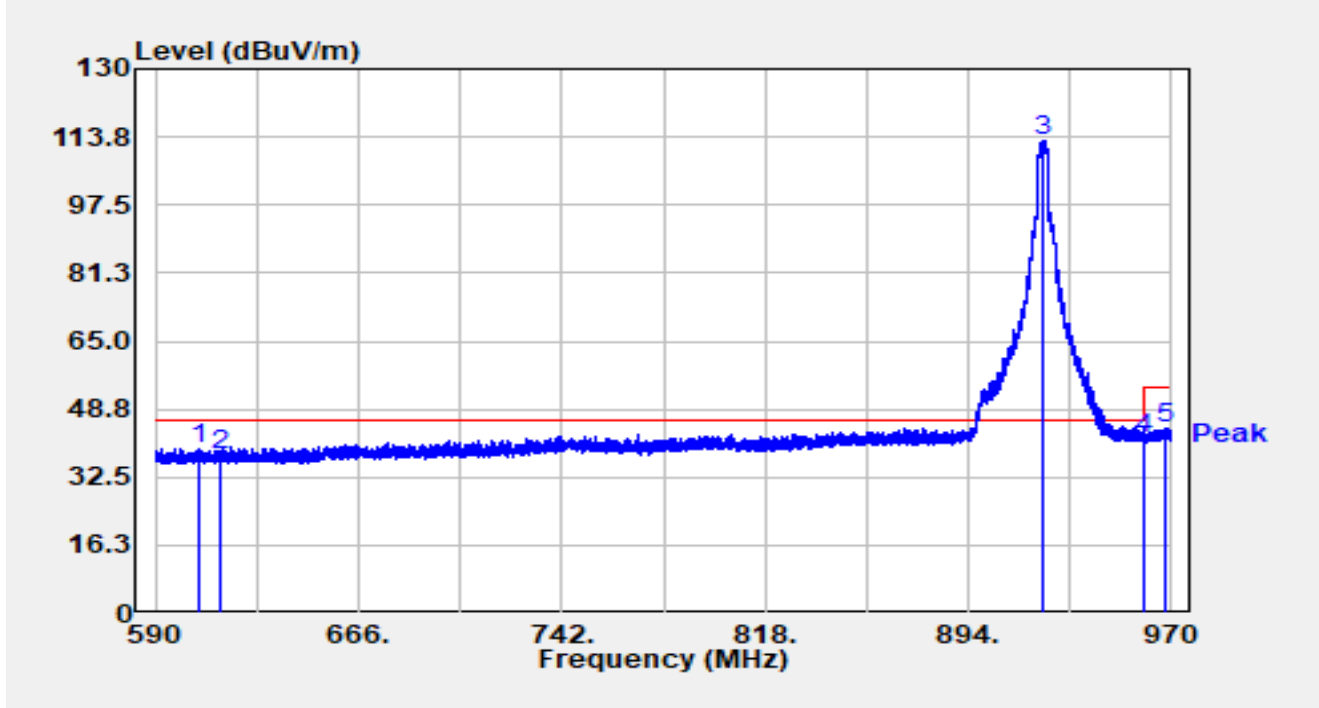


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		607.746	11.93	27.85	39.78	-6.22	46.00	Peak
2		614.000	9.01	27.83	36.84	-9.16	46.00	Peak
3	*	906.654	76.91	32.16	109.07	N/A	N/A	Peak
4		960.000	10.42	32.03	42.45	-3.55	46.00	Peak
5		964.148	13.12	32.11	45.23	-8.77	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 4M at 922MHz		

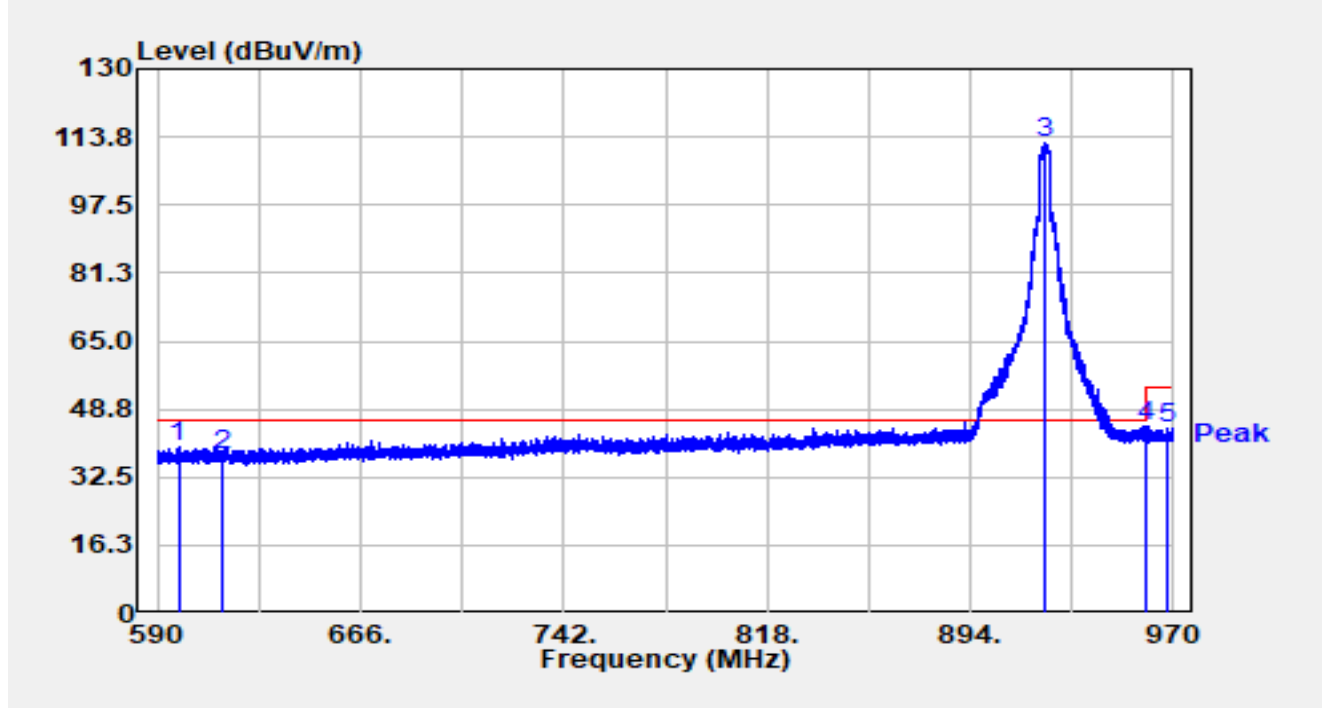


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		606.036	11.57	27.80	39.37	-6.63	46.00	Peak
2		614.000	9.82	27.83	37.64	-8.36	46.00	Peak
3	*	921.588	80.74	32.27	113.02	N/A	N/A	Peak
4		960.000	9.52	32.03	41.56	-4.44	46.00	Peak
5		967.720	12.02	32.20	44.22	-9.78	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 4M at 922MHz		

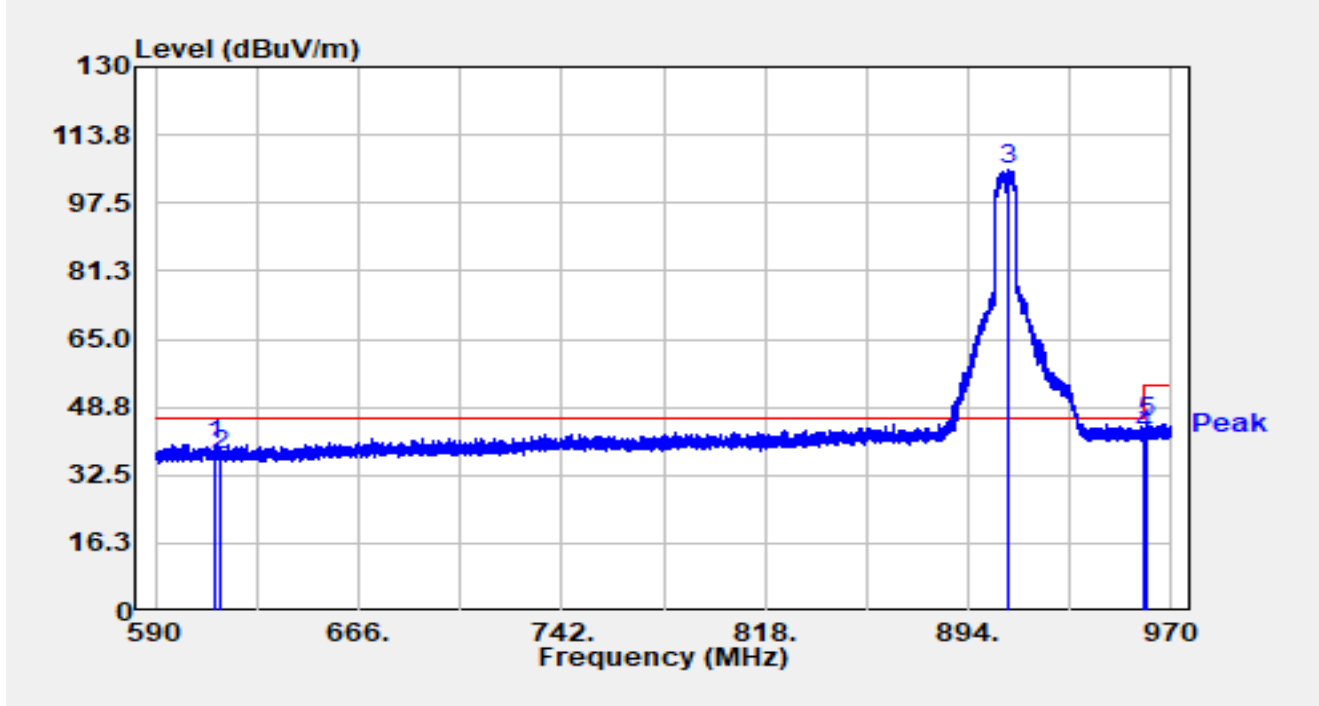


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		597.866	12.06	27.61	39.67	-6.33	46.00	Peak
2		614.000	9.99	27.83	37.82	-8.18	46.00	Peak
3	*	921.740	79.94	32.27	112.21	N/A	N/A	Peak
4		960.000	12.47	32.03	44.51	-1.49	46.00	Peak
5		967.948	12.11	32.21	44.32	-9.68	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 8M at 908MHz		

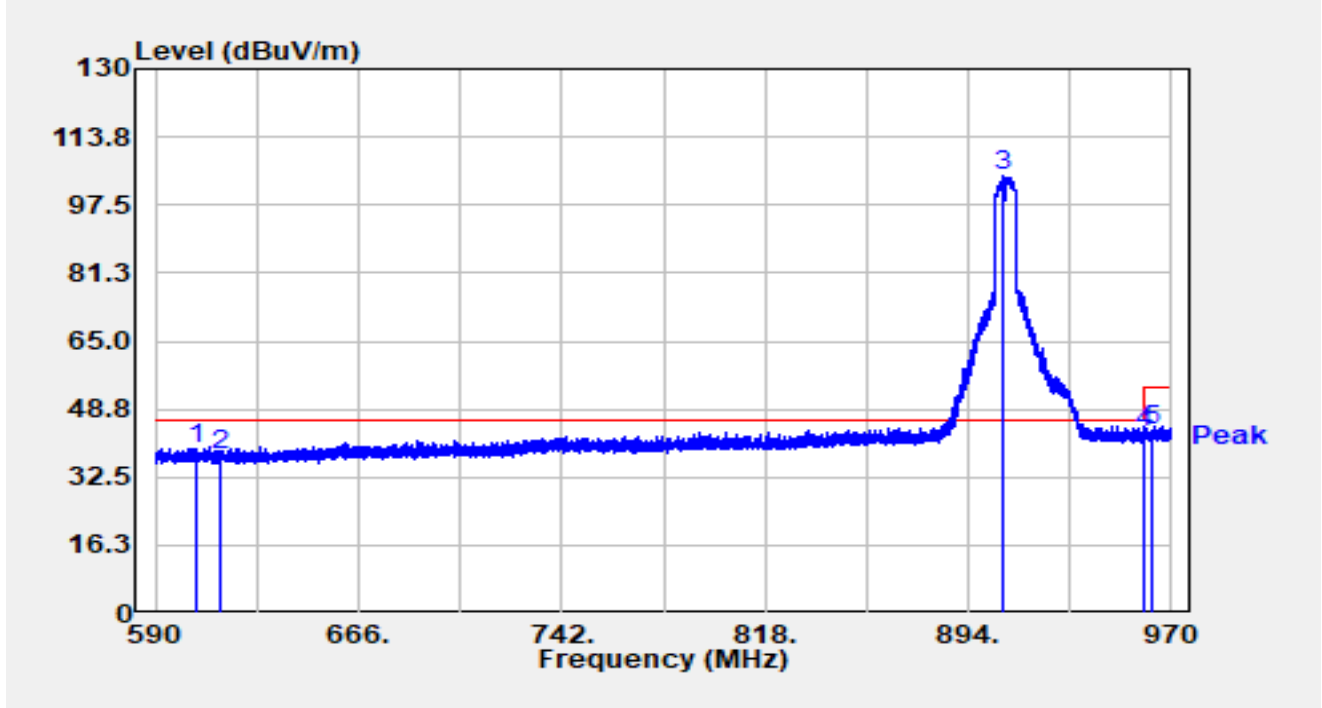


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		612.040	11.83	27.85	39.68	-6.32	46.00	Peak
2		614.000	9.25	27.83	37.07	-8.93	46.00	Peak
3	*	908.668	73.32	32.20	105.52	N/A	N/A	Peak
4		960.000	10.37	32.03	42.40	-3.60	46.00	Peak
5		960.880	12.90	32.04	44.95	-9.05	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 8M at 908MHz		

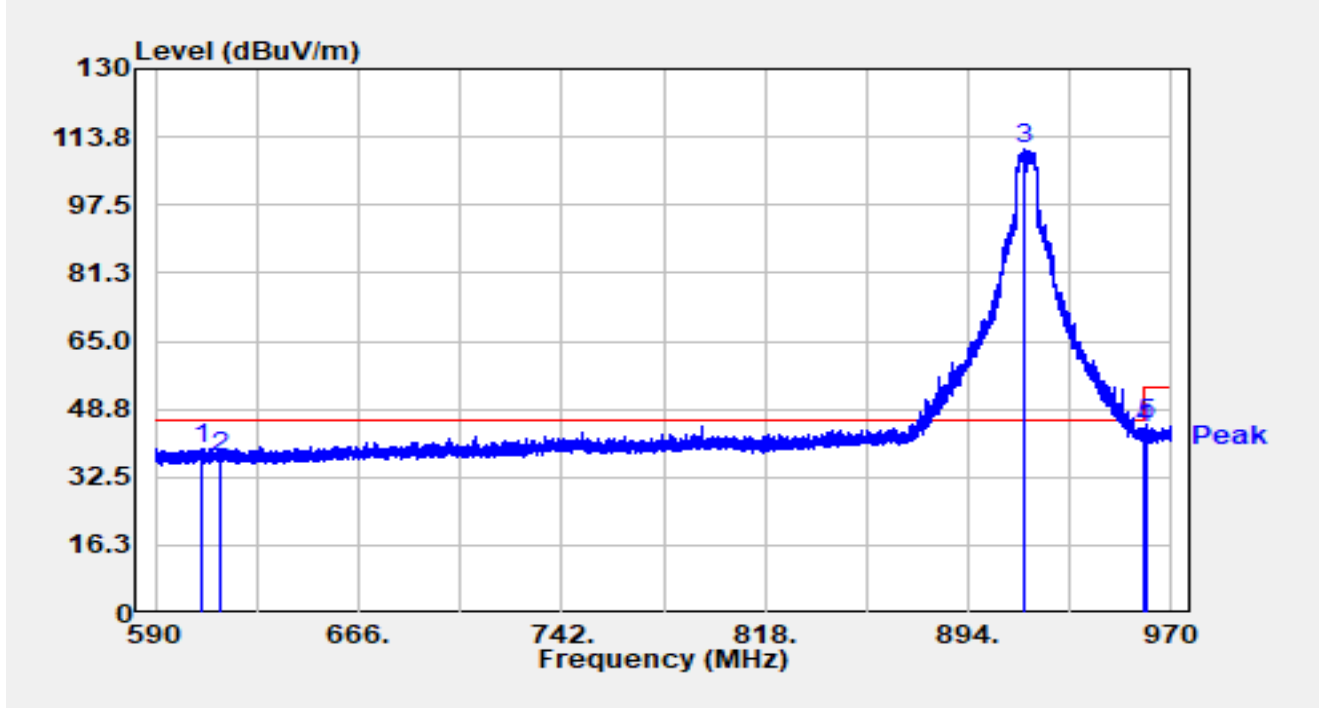


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		605.276	11.49	27.77	39.27	-6.73	46.00	Peak
2		614.000	10.01	27.83	37.84	-8.16	46.00	Peak
3	*	906.540	72.09	32.16	104.25	N/A	N/A	Peak
4		960.000	11.09	32.03	43.12	-2.88	46.00	Peak
5		962.476	11.69	32.07	43.76	-10.24	54.00	Peak

Notes:

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

Site	WZ-AC2	Test Date	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 8M at 916MHz		

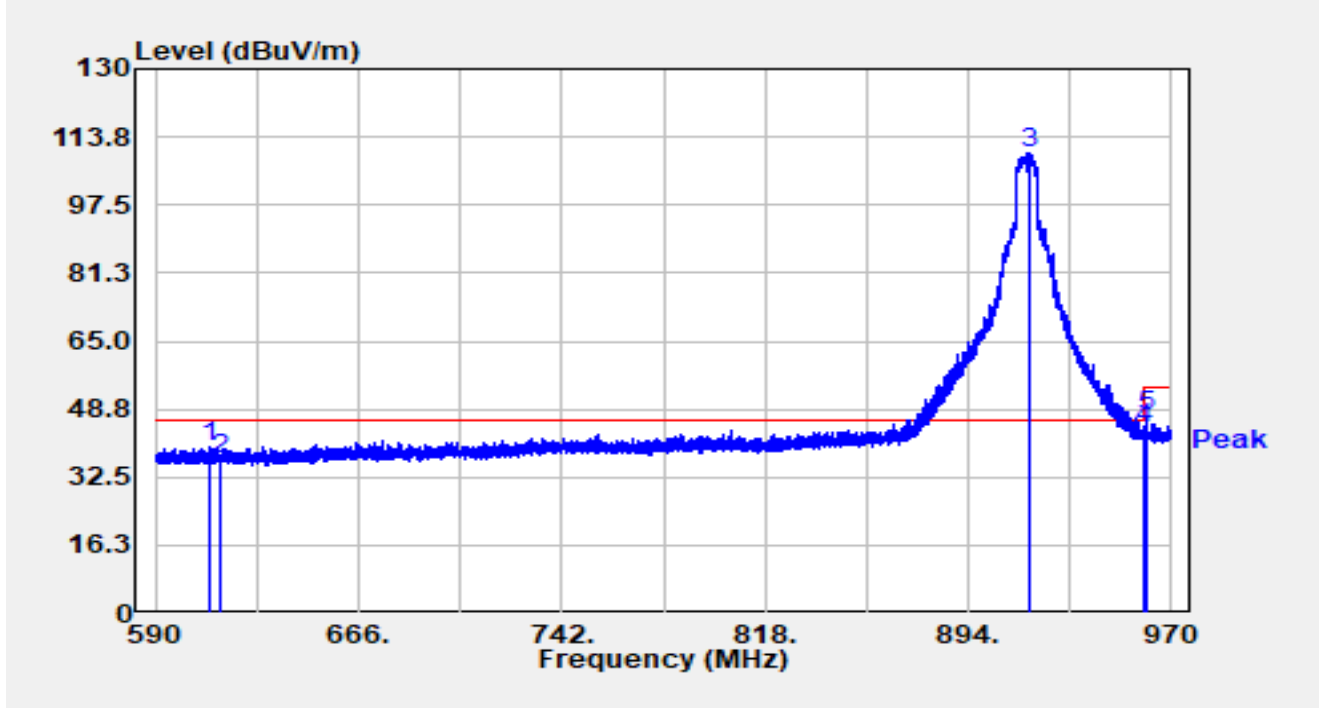


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		607.594	11.28	27.85	39.13	-6.87	46.00	Peak
2		614.000	9.49	27.83	37.32	-8.68	46.00	Peak
3	*	914.634	78.61	32.29	110.90	N/A	N/A	Peak
4		960.000	11.88	32.03	43.92	-2.08	46.00	Peak
5		960.804	13.31	32.04	45.35	-8.65	54.00	Peak

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	2024-09-18
Test Engineer	Dick Shen	Temp./Humidity	23°C /54%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HaLow Module	Test Voltage	By PC
Test Mode	Transmit by 8M at 916MHz		



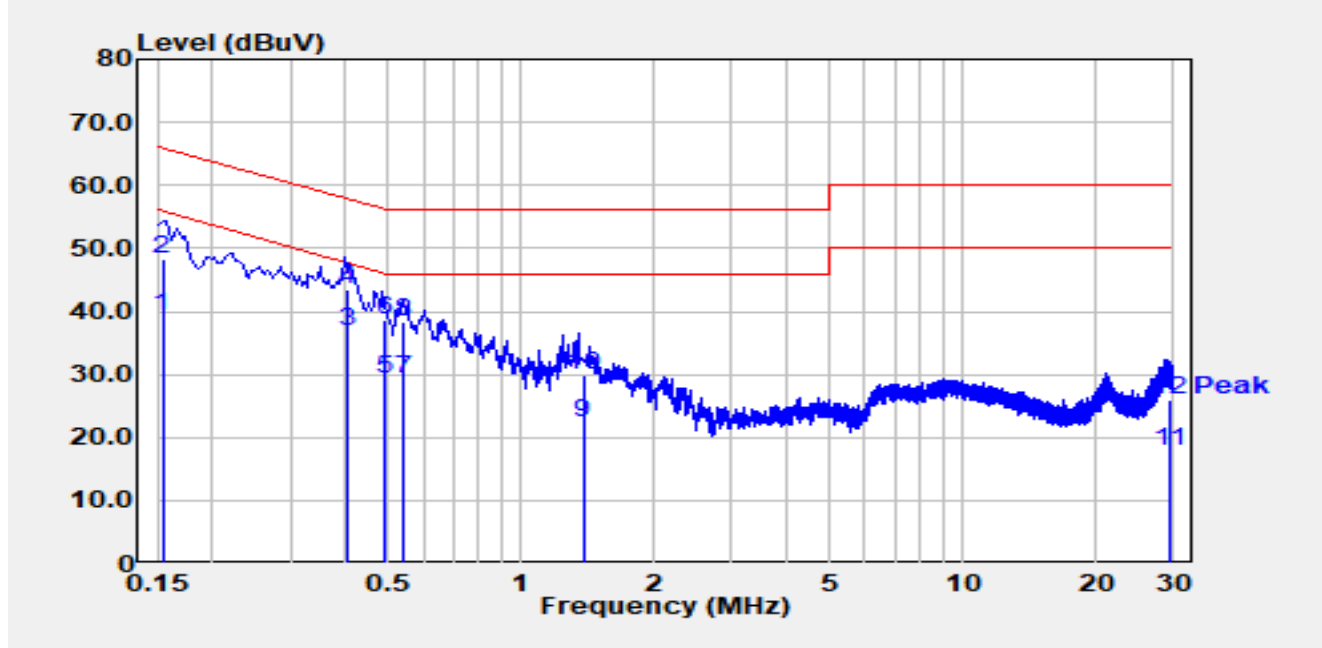
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		610.216	11.71	27.85	39.56	-6.44	46.00	Peak
2		614.000	9.15	27.83	36.97	-9.03	46.00	Peak
3	*	917.218	77.83	32.29	110.11	N/A	N/A	Peak
4		960.000	12.15	32.03	44.18	-1.82	46.00	Peak
5		960.424	14.89	32.04	46.93	-7.07	54.00	Peak

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.8 AC Conducted Emissions Test Result

Site	WZ-SR2	Test Date	2024-09-05
Test Engineer	Linda Wei	Temp./Humidity	26.3°C/61.1%
Factor	ENV216_101683_L1_Filter Off_C	Polarity	Line
EUT	HaLow Module	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 1M at 903.5MHz		

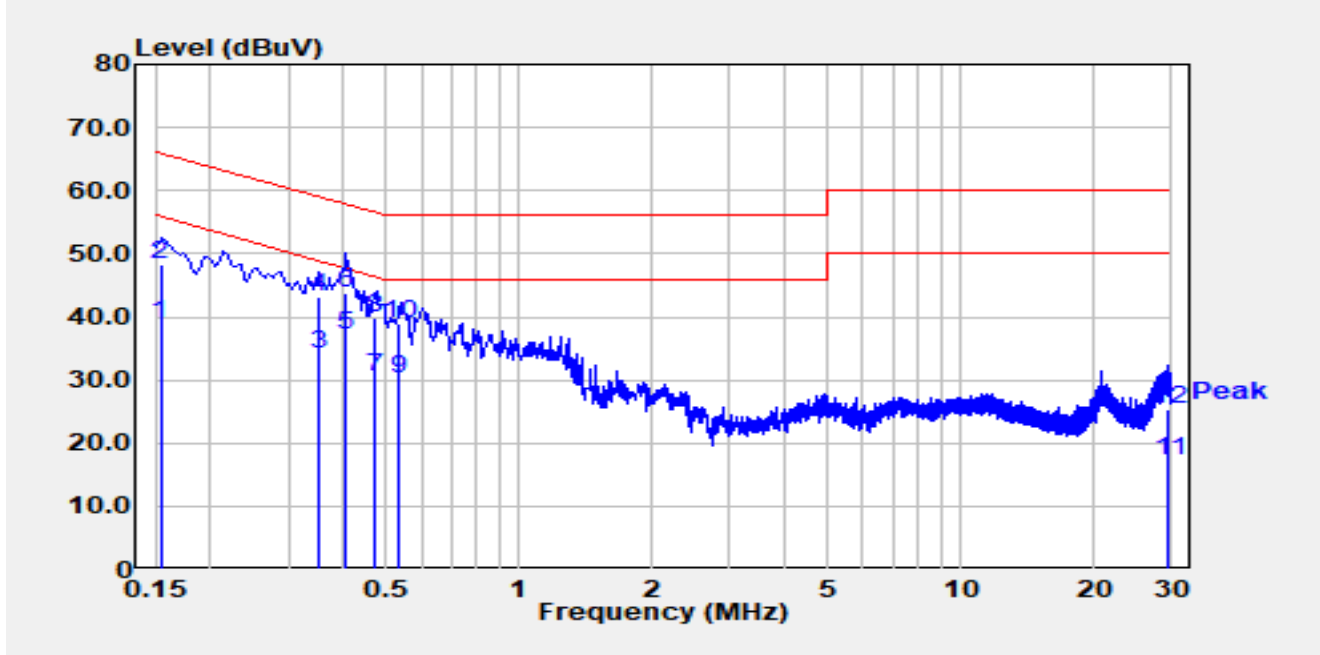


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	29.30	9.82	39.12	-16.66	55.78	Average
2		0.154	38.60	9.82	48.42	-17.36	65.78	QP
3	*	0.402	26.90	9.89	36.79	-11.03	47.81	Average
4		0.402	33.70	9.89	43.59	-14.23	57.81	QP
5		0.488	19.40	9.92	29.32	-16.88	46.20	Average
6		0.488	28.60	9.92	38.52	-17.68	56.20	QP
7		0.538	19.30	9.94	29.24	-16.76	46.00	Average
8		0.538	28.40	9.94	38.34	-17.66	56.00	QP
9		1.380	12.10	10.12	22.22	-23.78	46.00	Average
10		1.380	19.70	10.12	29.82	-26.18	56.00	QP
11		29.250	7.20	10.76	17.96	-32.04	50.00	Average
12		29.250	15.30	10.76	26.06	-33.94	60.00	QP

Notes:

- "*", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WZ-SR2	Test Date	2024-09-05
Test Engineer	Linda Wei	Temp./Humidity	26.3°C/61.1%
Factor	ENV216_101683_N_Filter Off_C	Polarity	Neutral
EUT	HaLow Module	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 1M at 903.5MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	28.90	10.13	39.03	-16.75	55.78	Average
2		0.154	38.10	10.13	48.23	-17.55	65.78	QP
3		0.352	23.90	10.12	34.02	-14.89	48.92	Average
4		0.352	32.90	10.12	43.02	-15.89	58.92	QP
5	*	0.404	27.00	10.14	37.14	-10.64	47.77	Average
6		0.404	33.60	10.14	43.74	-14.04	57.77	QP
7		0.473	20.30	10.16	30.46	-16.00	46.46	Average
8		0.473	29.70	10.16	39.86	-16.60	56.46	QP
9		0.536	20.00	10.18	30.18	-15.82	46.00	Average
10		0.536	28.70	10.18	38.88	-17.12	56.00	QP
11		29.570	6.20	11.04	17.24	-32.76	50.00	Average
12		29.570	14.40	11.04	25.44	-34.56	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Appendix B - Test Setup Photograph

Refer to “2408RSU041-UT” file.

Appendix C - EUT Photograph

Refer to “2408RSU041-UE” file.

The End
