



RF MEASUREMENT REPORT

FCC ID: DD4ADTDX55

Applicant: Shure Incorporated

Product: Wireless Dual Transmitter

Model No.: ADTD X55, ADTD DC X55

Trade Mark:  **SHURE**[®]

FCC Classification: Licensed LPAS Device (TLD)

FCC Rule Part(s): Part 74 Subpart H (Section 74.861)

Application Type: Class II Permissive Change

Result: Complies

Received Date: 2025-05-16

Test Date: 2025-06-06 ~ 2025-06-16

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

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Revision History

Report No.	Version	Description	Issue Date	Note
R25S1019045-U205	V01	Initial Report	2025-06-23	Valid

Note: This product has obtained FCC approval (FCC ID: DD4ADTDX55), original RF report no. is 2406RSU021-U18. Now the product has been modified via software, detail as follows. Therefore, we performed some testing to address these changes.

- Change the frequency range for partial original test mode (Mode 2, 4, 5)
- Add some test modes (Mode 1, 3, 6, 7, 8)

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1.4. Product Information

Product Name	Wireless Dual Transmitter
Model No.	ADTD X55, ADTD DC X55
Serial No.	2DA31999931
Radio Specification	UHF Microphone Transmitter
Antenna Information	Refer to section 1.7
Operating Temperature	-18 ~ 50 °C
Network Interface	10/100/1000 Mbps, Dante Digital Audio
Power Type	AC Power Input (100~240V AC) & DC Power Input (12~48V) AC Power Output (100~240V AC)
Accessory	
8 Port Antenna Combiner	Model: AD8CX, AD8CX DC AC Ver.: 100-240V~, 50/60Hz, 0.76A max (5.76A max outlet loaded), DC Ver.: 12-48V DC, 4A max
Note 1: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer. Note 2: ADTD X55 and ADTD DC X55 are completely same except power supply difference, ADTD X55 supports AC power supply, while ADTD DC X55 supports both AC and DC power supply. Note 3: AD8CX and AD8CX DC are completely same except power supply difference, AD8C supports AC power supply, while AD8CX DC supports both AC and DC power supply.	

1.5. Radio Specification under Test

Transmission Mode	2-channel Wideband (WMAS) & 4-channel Wideband (WMAS)
Frequency Range	941 ~ 960 MHz
Declared Power Level	Low & Mid & High
Type of Modulation	2-channel Wideband (WMAS)
	4-channel Wideband: OFDM
Declared Occupied Bandwidth	2-channel Wideband (WMAS): 440 kHz
	4-channel Wideband (WMAS): 850 kHz
Channel Spacing	25 kHz
RF Connector Type	BNC

1.6. Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
2-channel wideband		
941.625 ~ 951.875 MHz Frequency Band		
941.700	946.750	951.800
952.975 ~ 956.125 MHz Frequency Band		
953.050	N/A	956.050
956.575 ~ 959.725 MHz Frequency Band		
956.650	N/A	959.650
4-channel wideband		
941.625 ~ 951.875 MHz Frequency Band		
941.900	946.750	951.600
952.975 ~ 956.125 MHz Frequency Band		
953.250	N/A	955.850
956.575 ~ 959.725 MHz Frequency Band		
956.850	N/A	959.450

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Manufacturer	Peak Gain (dBi)
Dipole	941 ~ 960	Shure	2.20

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at X55 Band by 4-Channel wideband (Power Level = 126mW)
Mode 2: Transmit at X55 Band by 2-channel wideband, frequency diversity (Power Level = 20mW)
Mode 3: Transmit at X55 Band by 4-Channel wideband, 2 frequencies, combined (Power Level = 20mW)
Mode 4: Transmit at X55 Band by 2-Channel wideband (Power Level = 126mW)
Mode 5: Transmit at X55 Band by 2-Channel wideband, spatial diversity (Power Level = 40mW)
Mode 6: Transmit at X55 Band by 4-channel wideband, spatial diversity
Mode 7: Transmit at X55 Band by 2-channel wideband, 2 frequencies
Mode 8: Transmit at X55 Band by 2-channel wideband, 2 frequencies, combined
Note1: Modes 2, 4, and 5 have been updated based on Modes 12, 6, and 8, respectively, from the original report (Report No.: 2406RSU021-U18), with modifications to naming, frequency range, and power level. Therefore, the power has been verified, and other items refer to the original report.
Note2: These newly added test modes 6 & 7 & 8 are the same type as modes 7 & 8 & 12 in the original report, respectively. Therefore, no additional testing was conducted.

2.2. Test Software

Power level and transmit frequency can be selected using the front panel controls.

2.3. Applied Standards

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

- FCC Part 74.861
- KDB 206256 D01v03
- ANSI C63.26-2015
- ETSI EN 300 422 - 1 V 2.2.1

2.4. Test Environment Condition

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

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2026-04-24	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2026-04-26	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2026-05-17	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2026-04-26	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11075	1 year	2025-06-03	WZ-SR5
				1 year	2026-06-02	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11076	1 year	2025-06-03	WZ-SR5
				1 year	2026-06-02	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11077	1 year	2025-06-03	WZ-SR5
				1 year	2026-06-02	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11078	1 year	2025-06-03	WZ-SR5
				1 year	2026-06-02	WZ-SR5
Cable	UCwave	UCE500	24060015	Note	Note	WZ-SR5
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2026-03-22	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2026-04-26	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2026-03-18	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2026-04-17	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2025-07-26	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2025-09-23	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2025-11-08	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2026-05-11	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2026-04-17	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2025-10-13	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2025-10-16	WZ-AC1

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

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	2.03C	RE Antenna & Turntable
Controller_MF 7802	1.02	RE Antenna & Turntable
BenchVue Power Meter	2018.1	Power

4. Decision Rules and Measurement Uncertainty

4.1. 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.)

4.2. 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 $k = 2$.

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	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
3.2%	

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
74.861(d)(1)	RF Output Power	Conducted	Pass
74.861(d)(4)	99% Occupied Bandwidth		Pass
74.861(d)(4) (i&ii&iii)	Emission Mask		Pass
74.861(d)(4) (iv)	Radiated Spurious Emission	Radiated	Pass

Note: 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.

5.2. RF Output Power Measurement

5.2.1. Test Limit

The conducted power may not exceed 1 W in 941.5-959.85 MHz band.

5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.4.2

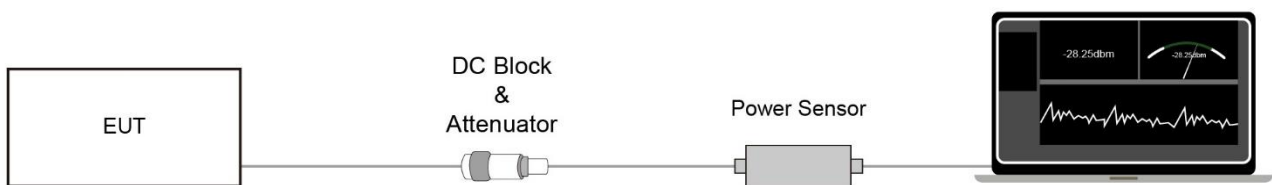
5.2.3. Test Setting

The output of the EUT was connected to an RF average power meter through fixed attenuation.

The EUT was set to transmit on the low, middle, and high frequencies in each power level.

Measure the average power of the transmitter.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. 99% Occupied Bandwidth Measurement

5.3.1. Test Limit

The operating bandwidth shall not exceed 200 kilohertz.

A wireless multichannel audio system must have an operating bandwidth B not exceeding 20 megahertz and must have a mode of operation in which it is capable of transmitting at least three audio channels per megahertz.

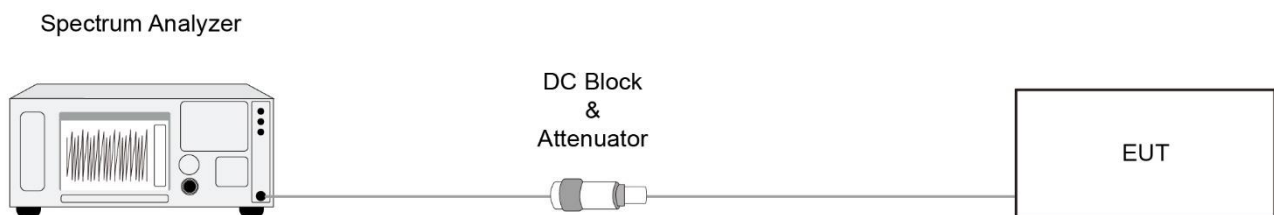
5.3.2. Test Procedure

ANSI C63.26-2015 - Section 5.4.4

5.3.3. Test Setting

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 - 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. Reported the measured 99% occupied bandwidth

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Emission Mask Measurement

5.4.1. Test Limit

(i) Analog systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 1 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

(ii) Digital systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 2 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

(iii) Wireless Multichannel Audio Systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 3 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11), (incorporated by reference, see § 74.35).

The mean Power Density, measured with 1 kHz measurement bandwidth and RMS detector, of the transmitter unwanted emissions shall not exceed the limits of the masks provided in figure 1 for equipment employing analogue modulation and figure 2 for equipment employing digital modulation, but excluding WMAS. B is the Declared Channel Bandwidth.

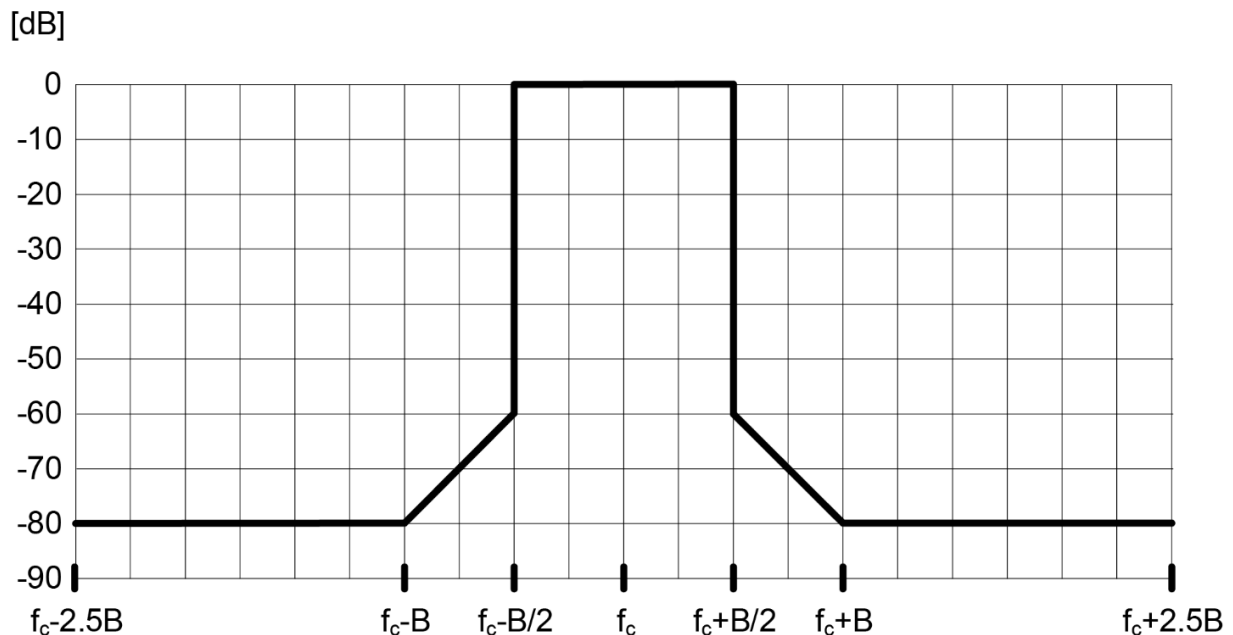


Figure 1: Transmit spectral power mask for equipment employing analogue modulation, RBW = 1 kHz



Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

The limits in figure 3 are applicable for WMAS, where B is the Declared Channel Bandwidth.

The mean Power Density, measured with 100 kHz measurement bandwidth and PEAK detector, of the transmitter unwanted emissions shall not exceed the limits of the mask provided in figure 3.



Figure 3: Transmit spectral power mask for WMAS, RBW = 100 kHz

The limits in figure 3 are provided with RBW = 100 kHz. The relevant measurements can also be performed with other RBW for certain ranges of B, accounting that the relevant limit given under RBW = 100 kHz needs to be converted appropriately by adding $c = 10 \times \log_{10} (\text{RBW}/100 \text{ kHz})$ for correction.

Correction Factor for different B and applicable RBW

B	RBW, VBW	c = correction factor
$B < 2 \text{ MHz}$	10 kHz	-10dB
$2 \text{ MHz} \leq B < 5 \text{ MHz}$	25 kHz	-7dB
$5 \text{ Hz} \leq B \leq 20 \text{ MHz}$	100 kHz	0dB

5.4.2. Test Procedure

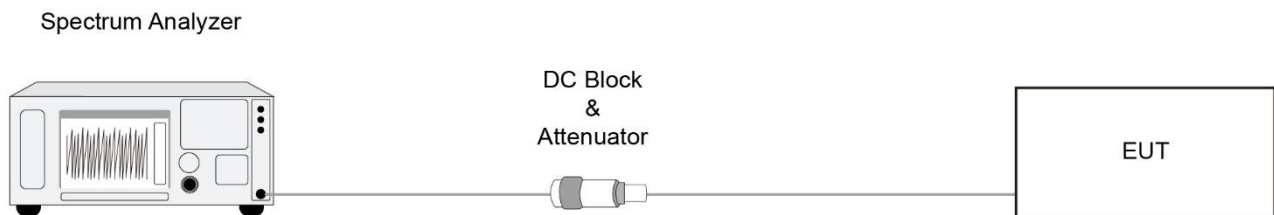
EN 300 422-1 V2.2.1 clause 5.4.3.2.

5.4.3. Test Setting

The EUT was powered up and the transmit frequency & power output of the EUT were selected.

The spectrum analyzer center frequency is set to the nominal EUT channel frequency.

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Radiated Spurious Emissions Measurement

5.5.1. Test Limit

Spurious emission limits. Emissions outside of the emission masks specified in paragraphs (d)(4)(i) through (iii) of this section shall comply with the limits specified in section 4.2.4.1.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

The level of transmitter unwanted emissions in the spurious domain shall not exceed the limits given in table.

Transmitter unwanted emission limits

Frequency Range	Maximum power	RBW
9kHz – 150kHz	-36dBm	1kHz
150kHz – 30MHz	-36dBm	10kHz
30MHz – 1GHz	-36dBm	$F_c + 2.5B \leq f \leq F_c + 4B$: 1kHz $F_c + 4B < f \leq F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \leq f < F_c - 4B$: 10kHz $F_c - 4B \leq f \leq F_c - 2.5B$: 1kHz
Except:		
47MHz to 74MHz 87.5MHz to 118MHz	-54dBm	100kHz
174MHz to 230MHz 470MHz to 862MHz	-36dBm	$F_c + 2.5B \leq f \leq F_c + 4B$: 1kHz $F_c + 4B < f \leq F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \leq f < F_c - 4B$: 10kHz $F_c - 4B \leq f \leq F_c - 2.5B$: 1kHz
$1\text{GHz} < f \leq F_{\text{upper}}$	-30dBm	$F_c + 2.5B \leq f \leq F_c + 10B$: 30kHz $F_c + 10B < f \leq F_c + 12B$: 300kHz $f > F_c + 12B$: 1MHz $f < F_c - 12B$: 1MHz $F_c - 12B \leq f < F_c - 10B$: 300kHz $F_c - 10B \leq f \leq F_c - 2.5B$: 30kHz
With B being the Declared Channel Bandwidth. F_{upper} is defined in table 5.		

Table 5: Frequency range for measurement of unwanted emissions

Applicable fundamental frequency range	Frequency range for measurements	
	Lower frequency	Upper frequency
9 kHz - 100 MHz	9 kHz	1GHz
100 MHz - 300 MHz	9 kHz	10th harmonic of the operating frequency
300 MHz - 600 MHz	30 MHz	3GHz
600 MHz - 3 GHz	30 MHz	5th harmonic of the operating frequency

5.5.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.4.4

5.5.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
30 ~ 1000 MHz	100 kHz
1000 ~ 10000 MHz	1 MHz

Emissions shall be investigated up to the 10th harmonic of the fundamental.

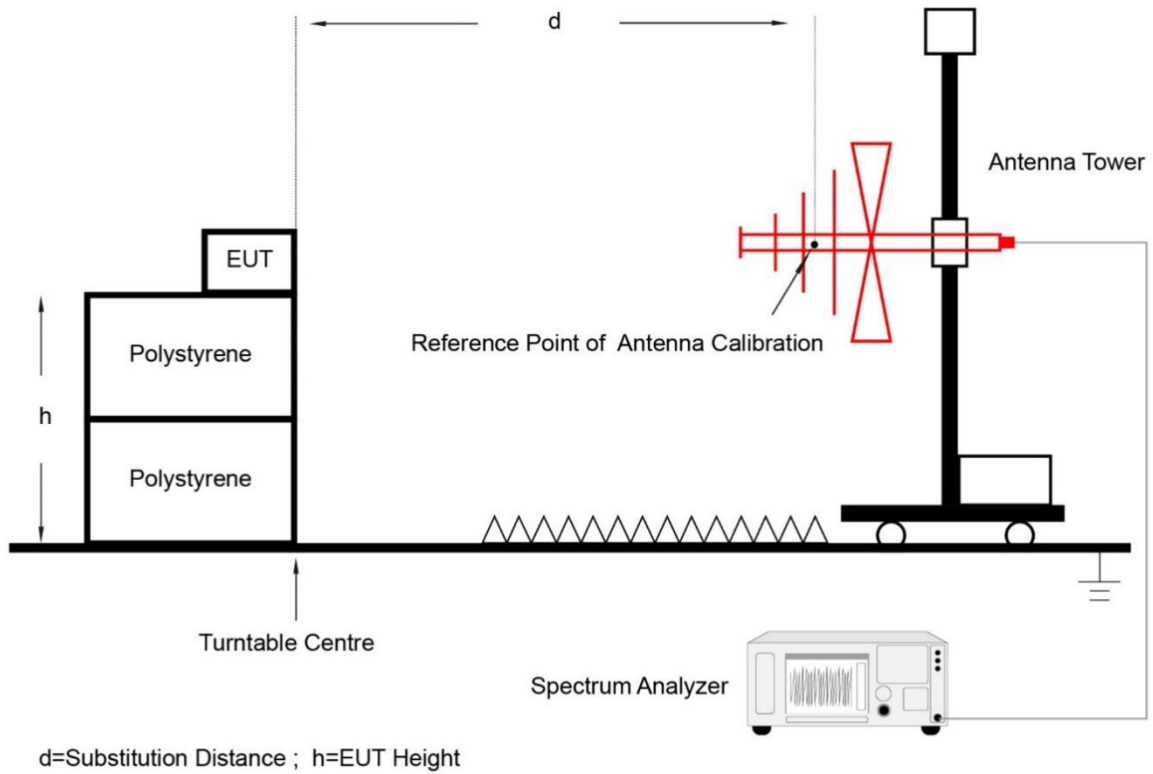
Compliance with the emission limits shall be demonstrated using an RMS Average detector.

All significant broadband and narrowband signals found in the preliminary sweeps were measured using a peak detector at a test distance of 3 meters.

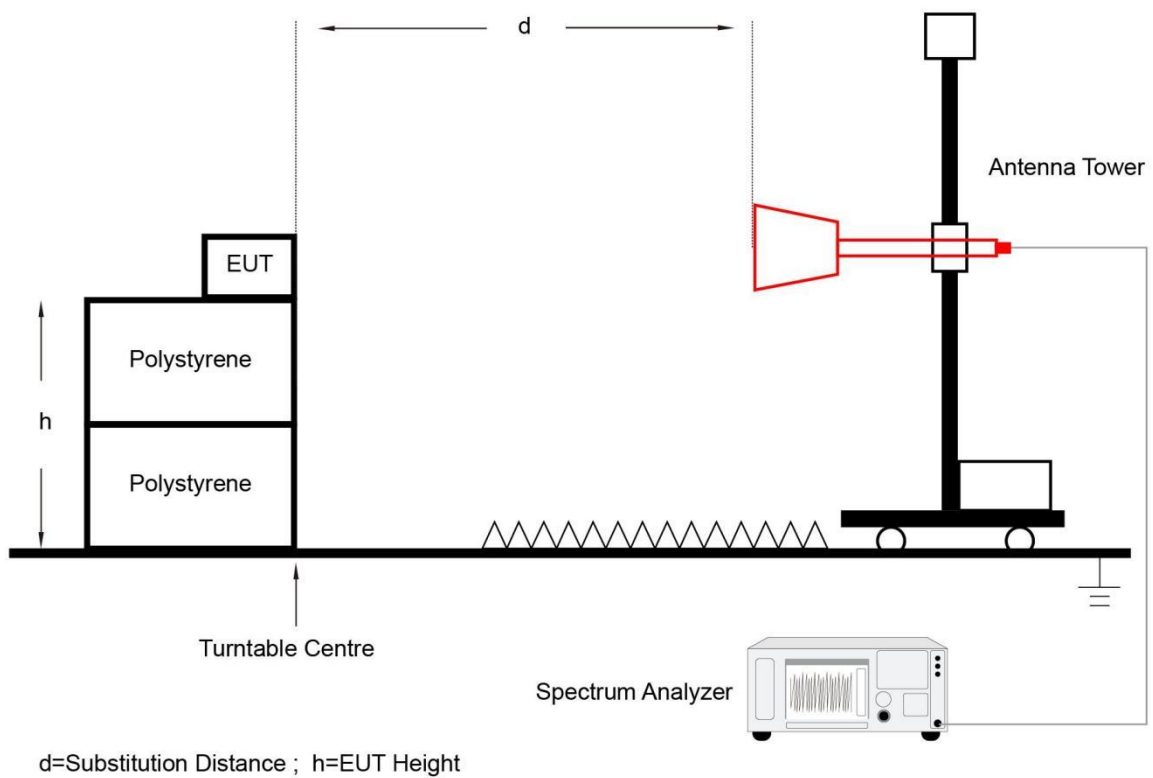
At each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.5.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.5.5. Test Result

Refer to Appendix A.4.

Appendix A – Test Result

A.1 RF Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09 ~ 2025-06-16	Test Mode	Mode 1

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A		
126mW Power Level			
941.900	18.49	≤ 30.00	Pass
946.750	18.32	≤ 30.00	Pass
951.600	18.09	≤ 30.00	Pass
953.250	18.02	≤ 30.00	Pass
955.850	18.90	≤ 30.00	Pass
956.850	18.85	≤ 30.00	Pass
959.450	18.69	≤ 30.00	Pass

Note: Limit = $10 \cdot \log(1000\text{mW}) = 30.00$ dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09 ~ 2025-06-16	Test Mode	Mode 2

Frequency (MHz)		Conducted Output Power (dBm)	Limit (dBm)	Test Result
F1	F2	Port A		
20mW Power Level				
941.700	942.900	15.01	≤ 30.00	Pass
946.750	947.775	14.52	≤ 30.00	Pass
951.800	950.500	14.35	≤ 30.00	Pass
953.050	954.250	14.65	≤ 30.00	Pass
956.050	955.050	14.63	≤ 30.00	Pass
956.650	957.850	14.90	≤ 30.00	Pass
959.650	958.650	14.49	≤ 30.00	Pass

Note: Limit = $10 \cdot \log(1000\text{mW}) = 30.00$ dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09 ~ 2025-06-16	Test Mode	Mode 3

Frequency (MHz)		Conducted Output Power (dBm)	Limit (dBm)	Test Result
F1	F2	Port A		
20mW Power Level				
941.900	942.900	14.66	≤ 30.00	Pass
946.750	947.750	14.52	≤ 30.00	Pass
951.600	950.600	14.38	≤ 30.00	Pass
953.250	954.250	14.21	≤ 30.00	Pass
955.850	954.850	14.67	≤ 30.00	Pass
956.850	957.850	14.53	≤ 30.00	Pass
959.450	958.450	14.52	≤ 30.00	Pass

Note: Limit = $10 \cdot \log(1000\text{mW}) = 30.00$ dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09 ~ 2025-06-16	Test Mode	Mode 4

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A		
126mW Power Level			
941.700	20.62	≤ 30.00	Pass
946.750	20.41	≤ 30.00	Pass
951.800	20.25	≤ 30.00	Pass
953.050	20.16	≤ 30.00	Pass
956.050	20.93	≤ 30.00	Pass
956.650	20.87	≤ 30.00	Pass
959.650	20.77	≤ 30.00	Pass

Note: Limit = $10 \cdot \log(1000\text{mW}) = 30.00$ dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09 ~ 2025-06-16	Test Mode	Mode 5

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
40mW Power Level					
941.700	13.64	15.48	17.67	≤ 30.00	Pass
946.750	13.49	15.28	17.49	≤ 30.00	Pass
951.800	13.21	15.10	17.27	≤ 30.00	Pass
953.050	13.18	15.01	17.20	≤ 30.00	Pass
956.050	13.97	14.84	17.44	≤ 30.00	Pass
956.650	13.99	14.82	17.44	≤ 30.00	Pass
959.650	13.87	14.61	17.27	≤ 30.00	Pass

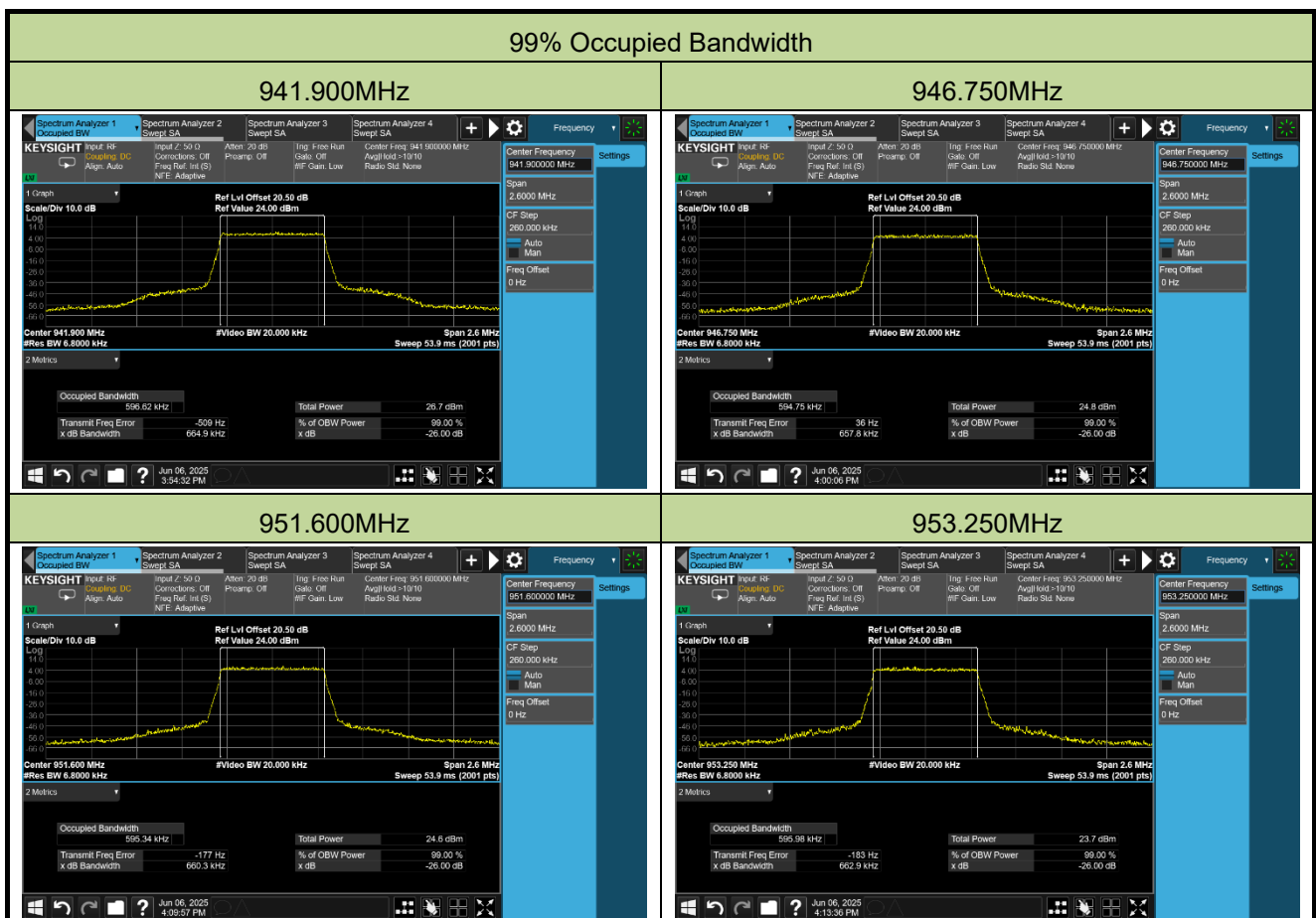
Note 1: Limit = $10 \cdot \log(1000\text{mW}) = 30.00$ dBm.

Note 2: Total Conducted Output Power (dBm) = $10 \cdot \log[10^{(\text{Port A}/10)} + 10^{(\text{Port B}/10)}]$ (dBm).

A.2 99% Occupied Bandwidth Test Result

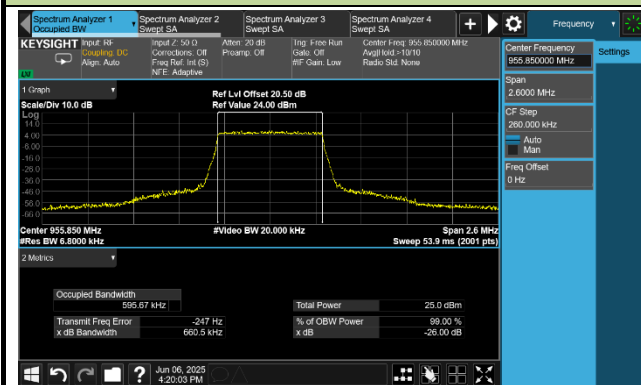
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-06	Test Mode	Mode 1

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
941.900	596.62	< 6000	Pass
946.750	594.75	< 6000	Pass
951.600	595.34	< 6000	Pass
953.250	595.98	< 6000	Pass
955.850	595.67	< 6000	Pass
956.850	596.47	< 6000	Pass
959.450	595.93	< 6000	Pass

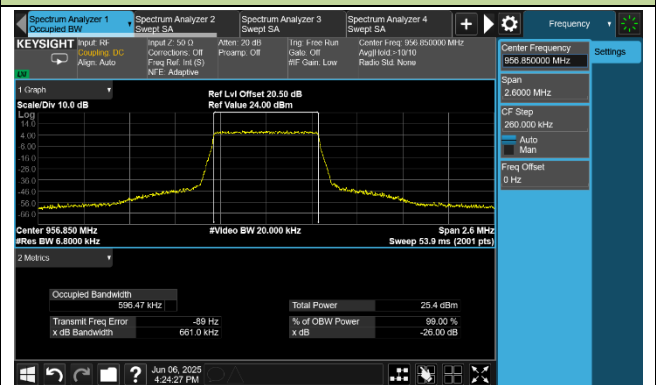


99% Occupied Bandwidth

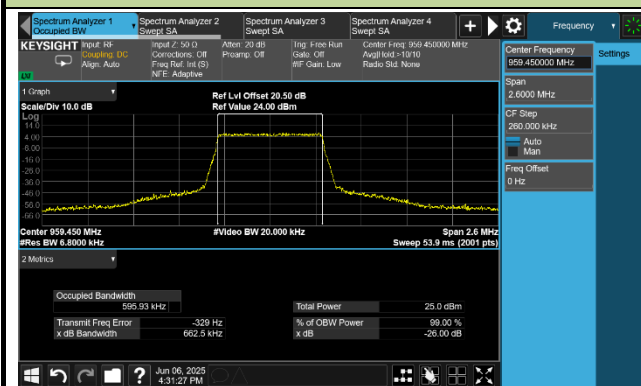
955.850MHz



956.850MHz

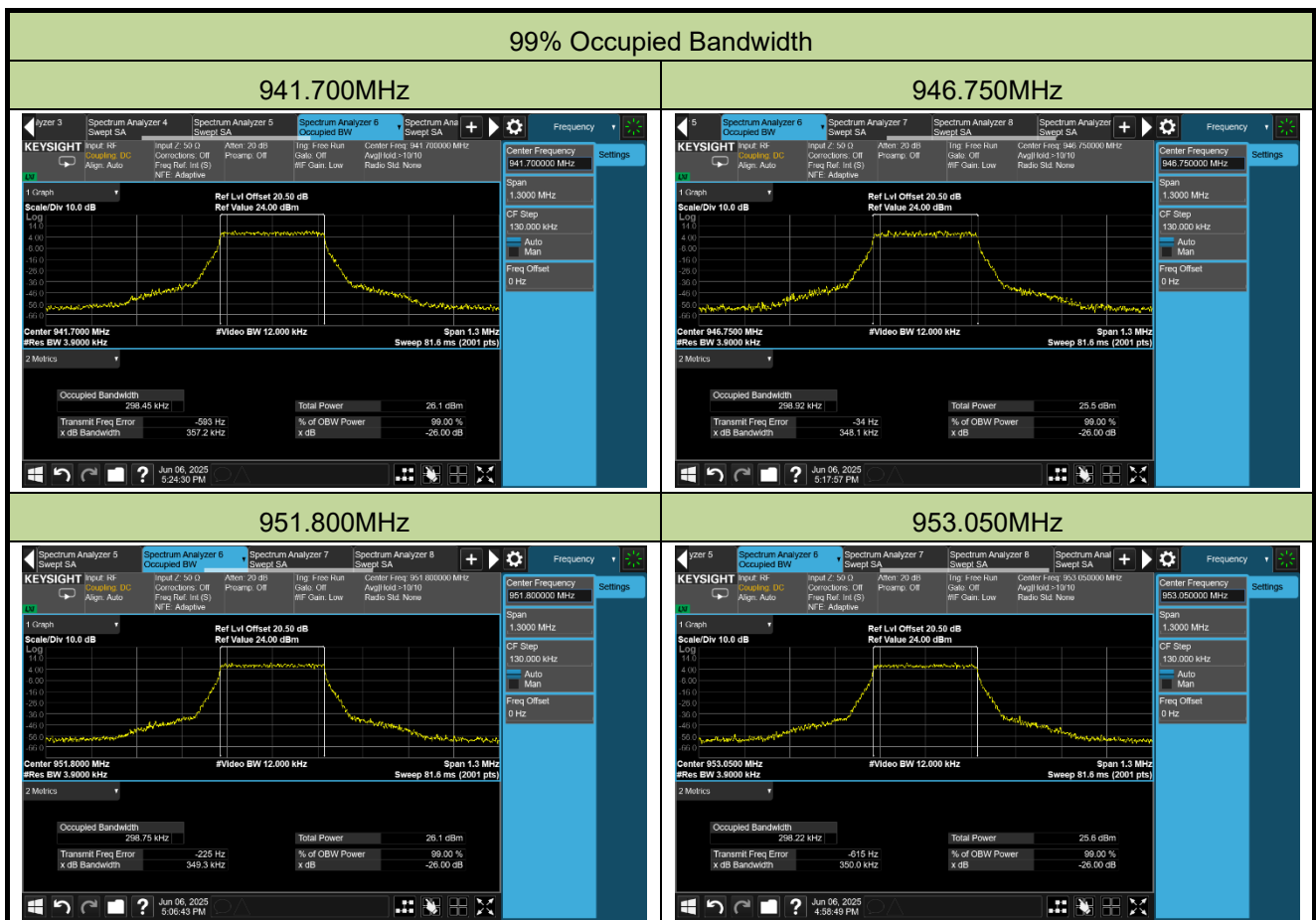


959.450MHz



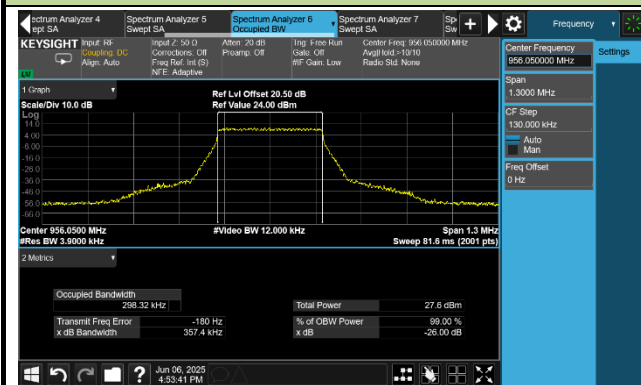
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-06 ~ 2025-06-09	Test Mode	Mode 4

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
941.700	298.45	< 6000	Pass
946.750	298.92	< 6000	Pass
951.800	298.75	< 6000	Pass
953.050	298.22	< 6000	Pass
956.050	298.32	< 6000	Pass
956.650	298.50	< 6000	Pass
959.650	299.05	< 6000	Pass

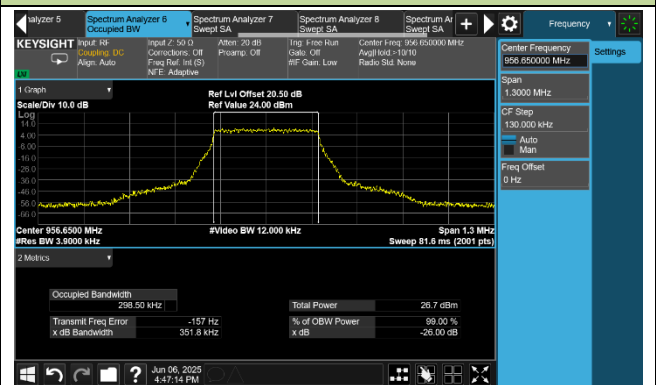


99% Occupied Bandwidth

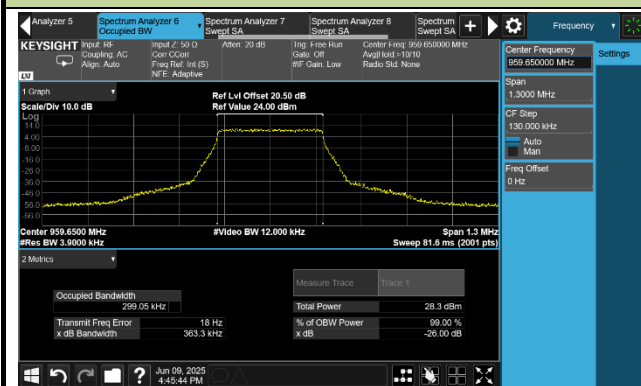
956.050MHz



956.650MHz



959.650MHz



A.3 Emission Mask Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-06	Test Mode	Mode 1

Port A

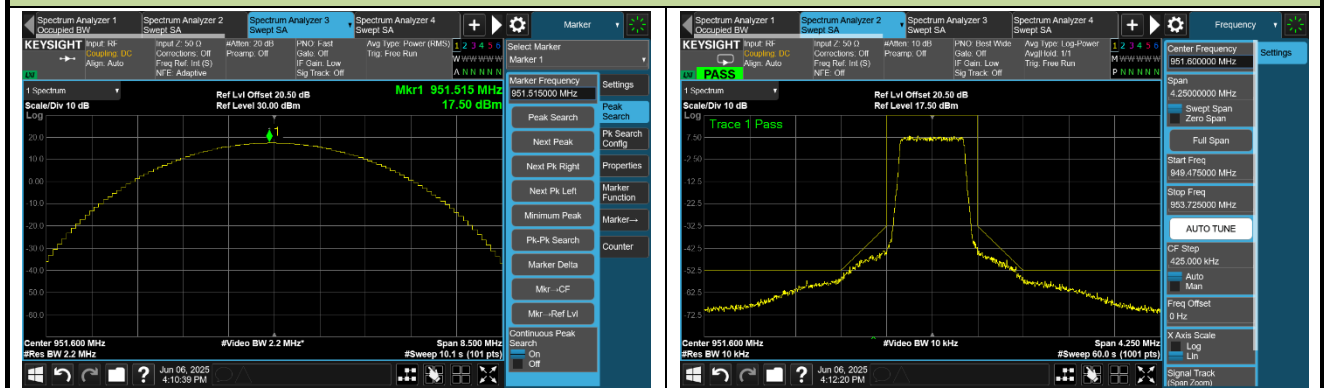
Channel 941.900MHz



Channel 946.750MHz

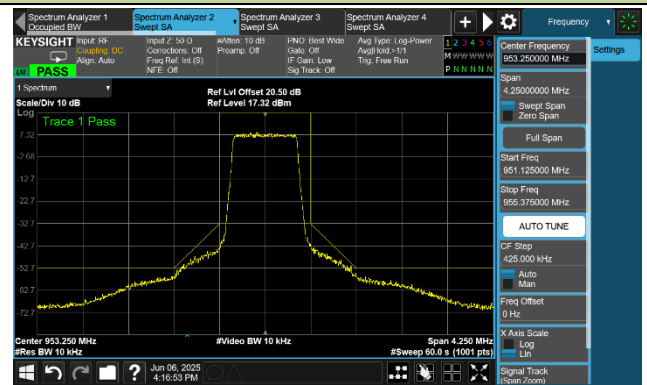


Channel 951.600MHz

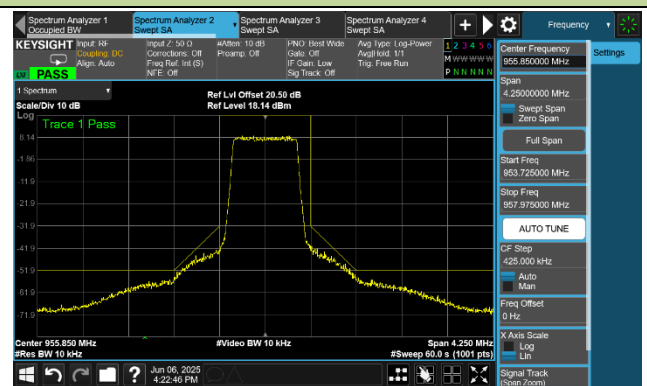
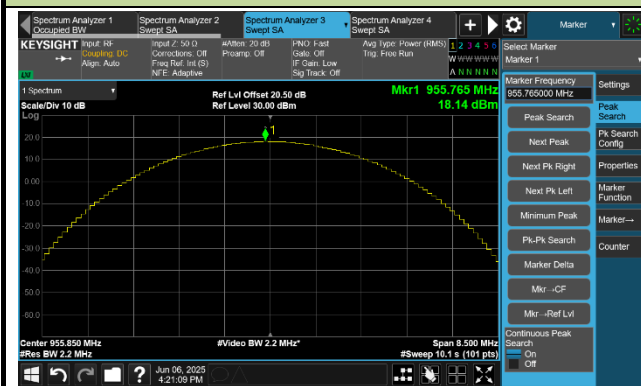


Port A

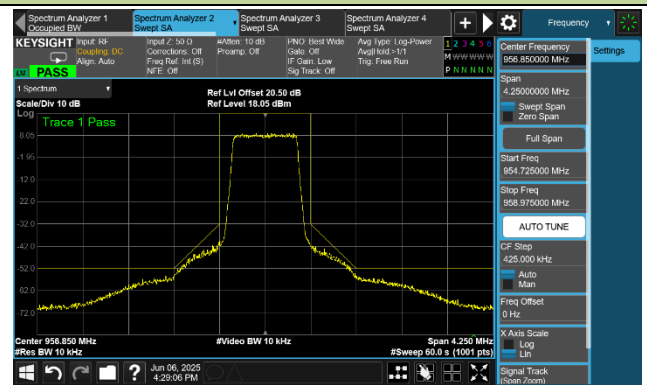
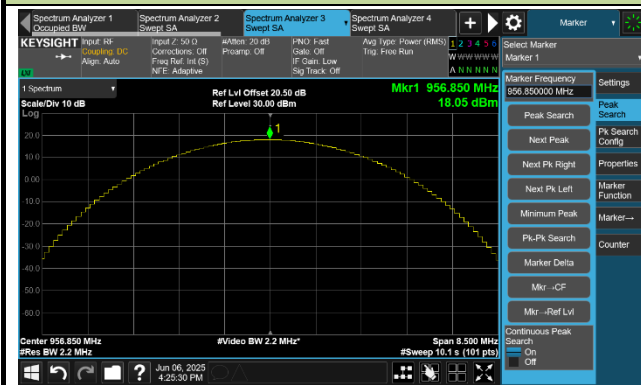
Channel 953.250MHz



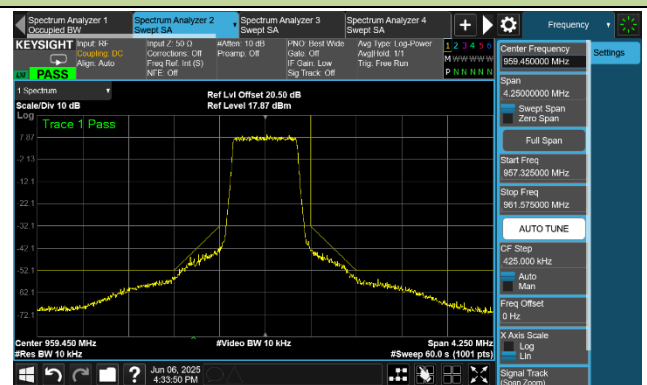
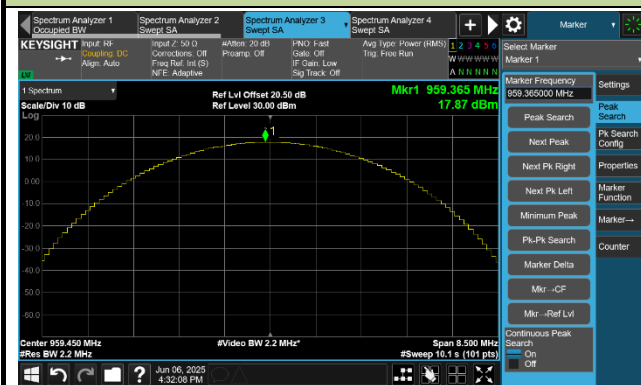
Channel 955.850MHz



Channel 956.850MHz



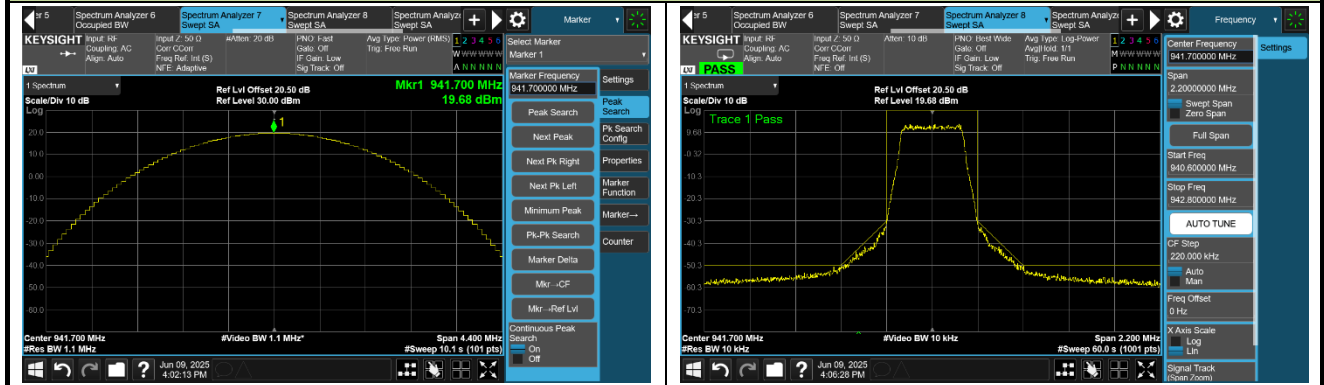
Channel 959.450MHz



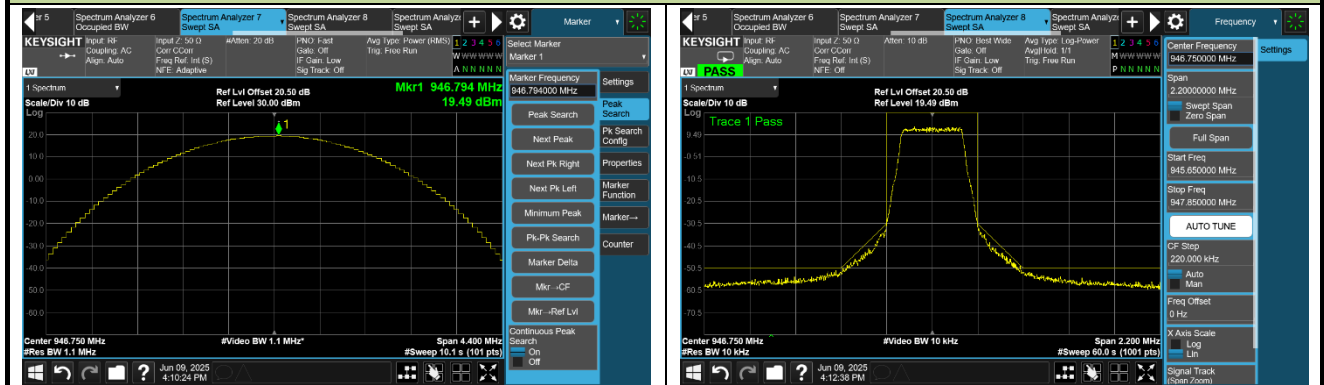
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-09	Test Mode	Mode 4

Port A

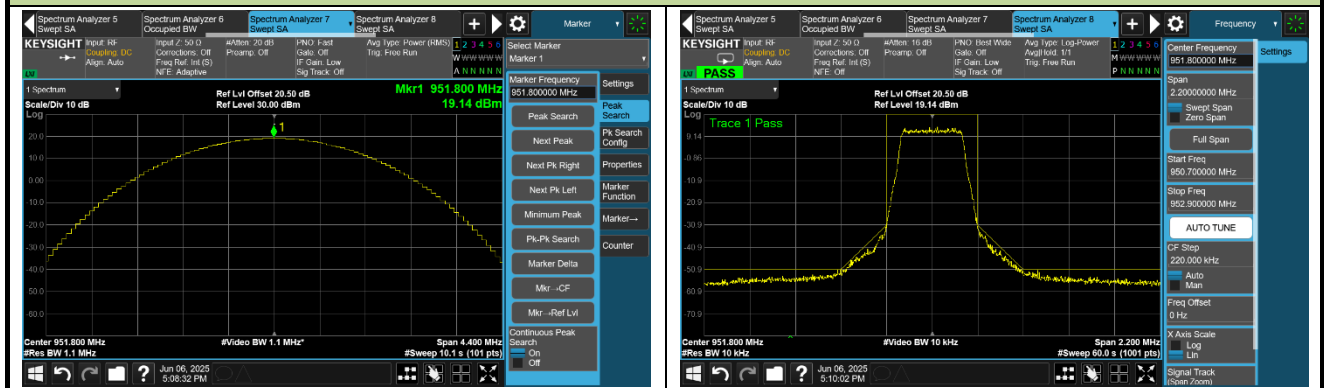
Channel 941.700MHz



Channel 946.750MHz

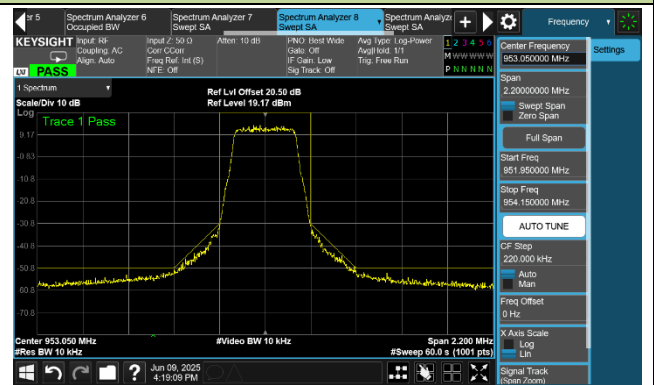


Channel 951.800MHz

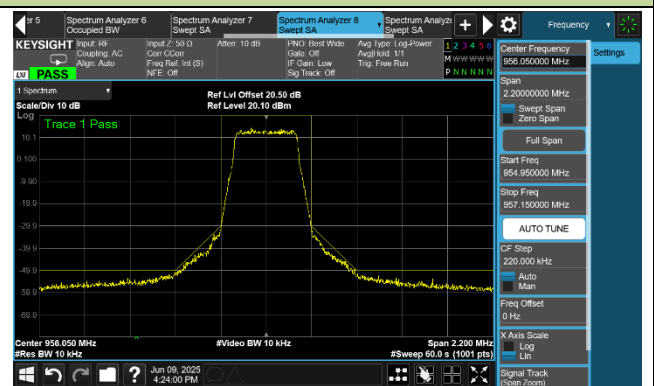
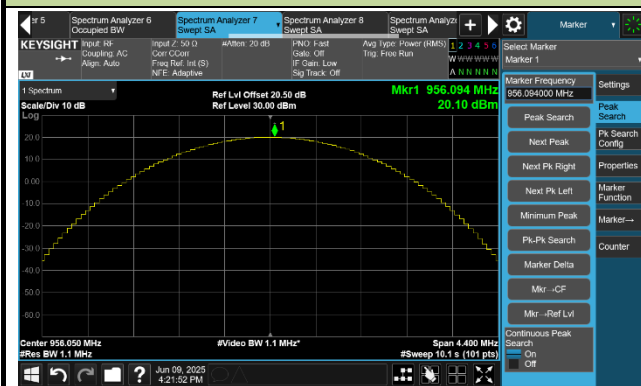


Port A

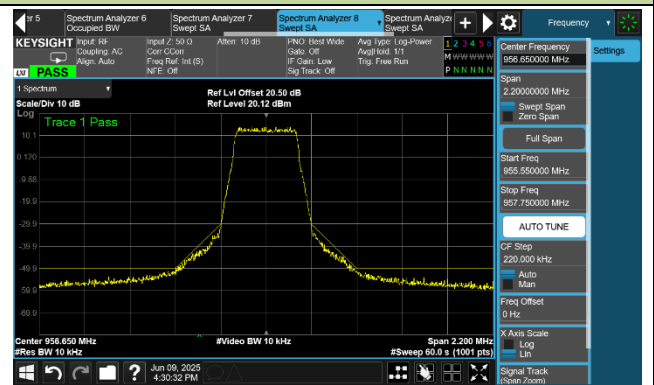
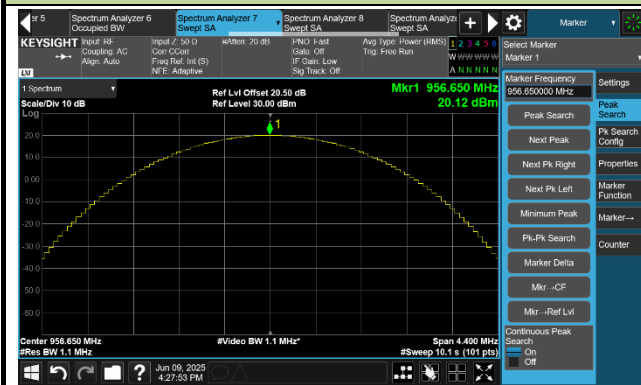
Channel 953.050MHz



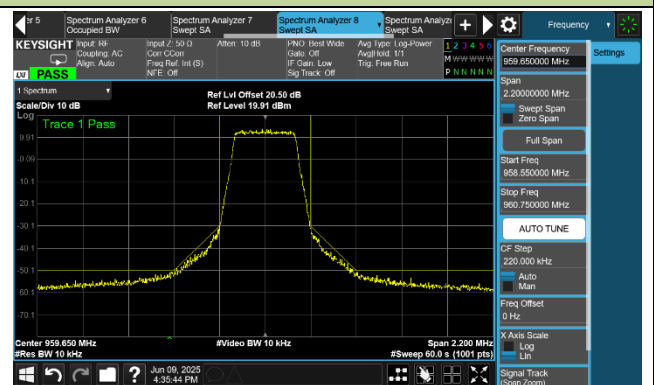
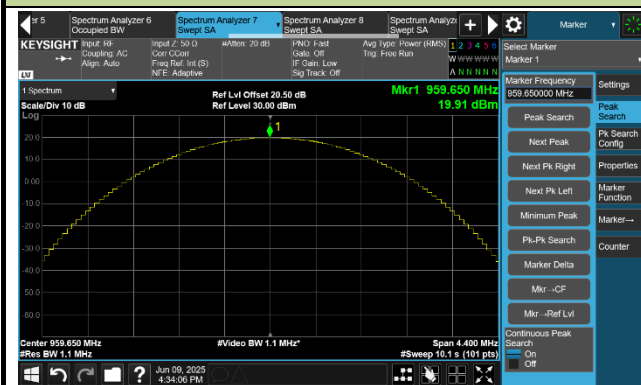
Channel 956.050MHz



Channel 956.650MHz



Channel 959.650MHz



A.4 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2025-06-12	Test Mode	Mode 1

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.900	216.730	-102.6	25.7	-76.9	-54.0	-22.9	Peak	Horizontal
	701.920	-102.9	34.1	-68.8	-54.0	-14.8	Peak	Horizontal
	211.880	-98.6	30.1	-68.5	-54.0	-14.5	Peak	Vertical
	702.020	-99.8	36.4	-63.4	-54.0	-9.4	Peak	Vertical
946.750	499.970	-98.9	31.1	-67.8	-54.0	-13.8	Peak	Horizontal
	706.670	-100.4	33.8	-66.6	-54.0	-12.6	Peak	Horizontal
	215.370	-100.7	30.4	-70.3	-54.0	-16.3	Peak	Vertical
	706.580	-96.0	36.4	-59.6	-54.0	-5.6	Peak	Vertical
951.600	499.970	-98.3	31.1	-67.2	-54.0	-13.2	Peak	Horizontal
	711.620	-95.7	33.8	-61.9	-54.0	-7.9	Peak	Horizontal
	500.060	-101.2	33.5	-67.7	-54.0	-13.7	Peak	Vertical
	711.720	-93.4	36.7	-56.7	-54.0	-2.7	Peak	Vertical
953.250	499.970	-97.5	31.1	-66.4	-54.0	-12.4	Peak	Horizontal
	713.370	-93.5	33.6	-59.9	-54.0	-5.9	Peak	Horizontal
	499.970	-100.7	33.5	-67.2	-54.0	-13.2	Peak	Vertical
	713.270	-93.4	36.6	-56.8	-54.0	-2.8	Peak	Vertical
955.850	499.970	-97.5	31.1	-66.4	-54.0	-12.4	Peak	Horizontal
	715.600	-91.6	33.4	-58.2	-54.0	-4.2	Peak	Horizontal
	499.970	-100.2	33.5	-66.7	-54.0	-12.7	Peak	Vertical
	715.690	-91.2	36.5	-54.7	-54.0	-0.7	Peak	Vertical
956.850	499.970	-98.1	31.1	-67.0	-54.0	-13.0	Peak	Horizontal
	716.570	-102.7	33.4	-69.3	-54.0	-15.3	Average	Horizontal
	499.970	-96.9	33.5	-63.4	-54.0	-9.4	Peak	Vertical
	716.570	-103.3	36.5	-66.8	-54.0	-12.8	Average	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.450	499.970	-99.0	31.1	-67.9	-54.0	-13.9	Peak	Horizontal
	719.400	-101.2	33.5	-67.7	-54.0	-13.7	Average	Horizontal
	217.790	-100.0	30.6	-69.4	-54.0	-15.4	Peak	Vertical
	719.600	-101.1	36.6	-64.5	-54.0	-10.5	Average	Vertical
	1199.800	-52.5	4.0	-48.5	-30.0	-18.5	Peak	Horizontal
	9827.200	-69.8	26.1	-43.7	-30.0	-13.7	Peak	Horizontal
	1199.800	-53.4	5.7	-47.7	-30.0	-17.7	Peak	Vertical
	9895.600	-69.5	25.5	-44.0	-30.0	-14.0	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC1	Test Engineer	Lucas Wang
Test Date	2025-06-12	Test Mode	Mode 1

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.900	1182.700	-46.1	3.7	-42.4	-30.0	-12.4	Peak	Horizontal
	9568.900	-68.7	26.1	-42.6	-30.0	-12.6	Peak	Horizontal
	1182.700	-47.5	5.2	-42.3	-30.0	-12.3	Peak	Vertical
	9910.000	-69.6	25.8	-43.8	-30.0	-13.8	Peak	Vertical
946.750	1187.200	-48.5	3.8	-44.7	-30.0	-14.7	Peak	Horizontal
	9818.200	-69.8	26.2	-43.6	-30.0	-13.6	Peak	Horizontal
	1187.200	-49.2	5.6	-43.6	-30.0	-13.6	Peak	Vertical
	9777.700	-70.0	25.5	-44.5	-30.0	-14.5	Peak	Vertical
951.600	1191.700	-50.0	3.8	-46.2	-30.0	-16.2	Peak	Horizontal
	9660.700	-70.1	25.5	-44.6	-30.0	-14.6	Peak	Horizontal
	1191.700	-50.9	5.7	-45.2	-30.0	-15.2	Peak	Vertical
	9928.900	-69.7	25.3	-44.4	-30.0	-14.4	Peak	Vertical
953.250	1193.500	-50.4	3.9	-46.5	-30.0	-16.5	Peak	Horizontal
	9694.900	-68.5	25.5	-43.0	-30.0	-13.0	Peak	Horizontal
	1193.500	-51.6	5.7	-45.9	-30.0	-15.9	Peak	Vertical
	9536.500	-69.7	24.9	-44.8	-30.0	-14.8	Peak	Vertical
955.850	1196.200	-51.2	3.9	-47.3	-30.0	-17.3	Peak	Horizontal
	9416.800	-69.5	25.6	-43.9	-30.0	-13.9	Peak	Horizontal
	1196.200	-52.3	5.7	-46.6	-30.0	-16.6	Peak	Vertical
	9910.000	-70.4	25.8	-44.6	-30.0	-14.6	Peak	Vertical
956.850	1197.100	-51.6	3.9	-47.7	-30.0	-17.7	Peak	Horizontal
	9827.200	-70.3	26.1	-44.2	-30.0	-14.2	Peak	Horizontal
	1197.100	-52.1	5.7	-46.4	-30.0	-16.4	Peak	Vertical
	9856.000	-69.7	24.9	-44.8	-30.0	-14.8	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.450	1199.800	-52.5	4.0	-48.5	-30.0	-18.5	Peak	Horizontal
	9827.200	-69.8	26.1	-43.7	-30.0	-13.7	Peak	Horizontal
	1199.800	-53.4	5.7	-47.7	-30.0	-17.7	Peak	Vertical
	9895.600	-69.5	25.5	-44.0	-30.0	-14.0	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2025-06-12	Test Mode	Mode 2

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700 + 942.900	702.790	-102.1	34.1	-68.0	-54.0	-14.0	Peak	Horizontal
	841.890	-103.0	35.8	-67.2	-54.0	-13.2	Peak	Horizontal
	702.700	-99.0	36.4	-62.6	-54.0	-8.6	Peak	Vertical
	847.900	-102.7	37.5	-65.2	-54.0	-11.2	Peak	Vertical
946.750 + 947.775	707.640	-101.6	33.8	-67.8	-54.0	-13.8	Peak	Horizontal
	845.290	-103.0	35.9	-67.1	-54.0	-13.1	Peak	Horizontal
	707.930	-99.0	36.5	-62.5	-54.0	-8.5	Peak	Vertical
	836.560	-102.5	37.6	-64.9	-54.0	-10.9	Peak	Vertical
951.800 + 950.500	595.030	-102.8	32.2	-70.6	-54.0	-16.6	Peak	Horizontal
	711.810	-99.6	33.8	-65.8	-54.0	-11.8	Peak	Horizontal
	603.660	-103.2	34.5	-68.7	-54.0	-14.7	Peak	Vertical
	710.360	-105.7	36.7	-69.0	-54.0	-15.0	Average	Vertical
953.050 + 954.250	714.240	-99.1	33.5	-65.6	-54.0	-11.6	Peak	Horizontal
	818.320	-102.4	35.4	-67.0	-54.0	-13.0	Peak	Horizontal
	714.240	-105.1	36.5	-68.6	-54.0	-14.6	Average	Vertical
	825.500	-102.5	37.4	-65.1	-54.0	-11.1	Peak	Vertical
956.050 + 955.050	714.920	-97.0	33.5	-63.5	-54.0	-9.5	Peak	Horizontal
	841.600	-102.5	35.8	-66.7	-54.0	-12.7	Peak	Horizontal
	715.110	-104.3	36.5	-67.8	-54.0	-13.8	Average	Vertical
	836.170	-103.1	37.6	-65.5	-54.0	-11.5	Peak	Vertical
956.650 + 957.850	717.830	-98.5	33.5	-65.0	-54.0	-11.0	Peak	Horizontal
	823.170	-102.8	35.6	-67.2	-54.0	-13.2	Peak	Horizontal
	717.730	-103.4	36.5	-66.9	-54.0	-12.9	Average	Vertical
	838.590	-103.0	37.5	-65.5	-54.0	-11.5	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650 + 958.650	718.600	-95.8	33.5	-62.3	-54.0	-8.3	Peak	Horizontal
	852.850	-102.7	35.8	-66.9	-54.0	-12.9	Peak	Horizontal
	718.510	-104.6	36.6	-68.0	-54.0	-14.0	Average	Vertical
	845.960	-102.8	37.6	-65.2	-54.0	-11.2	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC1	Test Engineer	Lucas Wang
Test Date	2025-06-13	Test Mode	Mode 2

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700 + 942.900	1181.800	-52.4	3.7	-48.7	-30.0	-18.7	Peak	Horizontal
	9888.400	-70.2	25.8	-44.4	-30.0	-14.4	Peak	Horizontal
	1182.700	-53.6	5.2	-48.4	-30.0	-18.4	Peak	Vertical
	9909.100	-71.0	25.8	-45.2	-30.0	-15.2	Peak	Vertical
946.750 + 947.775	1187.200	-53.2	3.8	-49.4	-30.0	-19.4	Peak	Horizontal
	9779.500	-70.5	26.1	-44.4	-30.0	-14.4	Peak	Horizontal
	1187.200	-54.7	5.6	-49.1	-30.0	-19.1	Peak	Vertical
	9775.900	-70.3	25.5	-44.8	-30.0	-14.8	Peak	Vertical
951.800 + 950.500	1191.700	-56.4	3.8	-52.6	-30.0	-22.6	Peak	Horizontal
	9361.000	-69.4	25.5	-43.9	-30.0	-13.9	Peak	Horizontal
	1191.700	-57.3	5.7	-51.6	-30.0	-21.6	Peak	Vertical
	9883.000	-70.6	25.7	-44.9	-30.0	-14.9	Peak	Vertical
953.050 + 954.250	1194.400	-56.3	3.9	-52.4	-30.0	-22.4	Peak	Horizontal
	9807.400	-71.1	26.5	-44.6	-30.0	-14.6	Peak	Horizontal
	1193.500	-57.5	5.7	-51.8	-30.0	-21.8	Peak	Vertical
	9393.400	-69.4	24.0	-45.4	-30.0	-15.4	Peak	Vertical
956.050 + 955.050	1195.300	-55.9	3.9	-52.0	-30.0	-22.0	Peak	Horizontal
	9407.800	-69.9	25.4	-44.5	-30.0	-14.5	Peak	Horizontal
	1196.200	-56.7	5.7	-51.0	-30.0	-21.0	Peak	Vertical
	9849.700	-69.0	24.9	-44.1	-30.0	-14.1	Peak	Vertical
956.650 + 957.850	1197.100	-57.4	3.9	-53.5	-30.0	-23.5	Peak	Horizontal
	9571.600	-70.4	25.9	-44.5	-30.0	-14.5	Peak	Horizontal
	1197.100	-57.5	5.7	-51.8	-30.0	-21.8	Peak	Vertical
	9626.500	-69.6	24.6	-45.0	-30.0	-15.0	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650 + 958.650	1199.800	-55.8	4.0	-51.8	-30.0	-21.8	Peak	Horizontal
	9776.800	-70.6	26.1	-44.5	-30.0	-14.5	Peak	Horizontal
	1199.800	-57.8	5.7	-52.1	-30.0	-22.1	Peak	Vertical
	9575.200	-68.5	24.8	-43.7	-30.0	-13.7	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2025-06-12	Test Mode	Mode 3

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.900 + 942.900	763.130	-102.2	34.3	-67.9	-54.0	-13.9	Peak	Horizontal
	845.670	-102.6	35.9	-66.7	-54.0	-12.7	Peak	Horizontal
	715.010	-102.3	36.5	-65.8	-54.0	-11.8	Peak	Vertical
	788.930	-102.1	36.7	-65.4	-54.0	-11.4	Peak	Vertical
946.750 + 947.750	701.050	-103.0	34.1	-68.9	-54.0	-14.9	Peak	Horizontal
	824.920	-102.7	35.7	-67.0	-54.0	-13.0	Peak	Horizontal
	707.640	-100.9	36.5	-64.4	-54.0	-10.4	Peak	Vertical
	835.290	-102.4	37.6	-64.8	-54.0	-10.8	Peak	Vertical
951.600 + 950.600	710.360	-101.9	33.8	-68.1	-54.0	-14.1	Peak	Horizontal
	844.220	-102.4	35.9	-66.5	-54.0	-12.5	Peak	Horizontal
	710.260	-99.3	36.7	-62.6	-54.0	-8.6	Peak	Vertical
	824.620	-102.9	37.3	-65.6	-54.0	-11.6	Peak	Vertical
953.250 + 954.250	713.750	-98.9	33.5	-65.4	-54.0	-11.4	Peak	Horizontal
	804.550	-102.7	35.5	-67.2	-54.0	-13.2	Peak	Horizontal
	714.630	-98.0	36.5	-61.5	-54.0	-7.5	Peak	Vertical
	849.170	-102.4	37.4	-65.0	-54.0	-11.0	Peak	Vertical
955.850 + 954.850	714.820	-100.8	33.5	-67.3	-54.0	-13.3	Peak	Horizontal
	801.930	-103.0	35.5	-67.5	-54.0	-13.5	Peak	Horizontal
	714.530	-98.1	36.5	-61.6	-54.0	-7.6	Peak	Vertical
	749.930	-101.8	35.9	-65.9	-54.0	-11.9	Peak	Vertical
956.850 + 957.850	717.830	-99.1	33.5	-65.6	-54.0	-11.6	Peak	Horizontal
	855.370	-102.6	35.8	-66.8	-54.0	-12.8	Peak	Horizontal
	717.730	-105.7	36.5	-69.2	-54.0	-15.2	Average	Vertical
	850.720	-101.9	37.5	-64.4	-54.0	-10.4	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.450 + 958.450	718.510	-99.2	33.5	-65.7	-54.0	-11.7	Peak	Horizontal
	852.750	-102.5	35.8	-66.7	-54.0	-12.7	Peak	Horizontal
	719.280	-106.1	36.6	-69.5	-54.0	-15.5	Average	Vertical
	807.260	-102.2	36.7	-65.5	-54.0	-11.5	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC1	Test Engineer	Lucas Wang
Test Date	2025-06-13	Test Mode	Mode 3

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.900 + 942.900	1182.700	-51.3	3.7	-47.6	-30.0	-17.6	Peak	Horizontal
	9643.600	-69.7	25.5	-44.2	-30.0	-14.2	Peak	Horizontal
	1182.700	-52.6	5.2	-47.4	-30.0	-17.4	Peak	Vertical
	9465.400	-69.2	25.0	-44.2	-30.0	-14.2	Peak	Vertical
946.750 + 947.750	1188.100	-53.4	3.8	-49.6	-30.0	-19.6	Peak	Horizontal
	9728.200	-70.3	25.6	-44.7	-30.0	-14.7	Peak	Horizontal
	1187.200	-54.0	5.6	-48.4	-30.0	-18.4	Peak	Vertical
	9921.700	-70.4	25.4	-45.0	-30.0	-15.0	Peak	Vertical
951.600 + 950.600	1191.700	-54.3	3.8	-50.5	-30.0	-20.5	Peak	Horizontal
	9873.100	-69.7	26.4	-43.3	-30.0	-13.3	Peak	Horizontal
	1191.700	-56.0	5.7	-50.3	-30.0	-20.3	Peak	Vertical
	9489.700	-69.4	24.8	-44.6	-30.0	-14.6	Peak	Vertical
953.250 + 954.250	1194.400	-55.3	3.9	-51.4	-30.0	-21.4	Peak	Horizontal
	9901.000	-69.9	25.5	-44.4	-30.0	-14.4	Peak	Horizontal
	1194.400	-56.8	5.7	-51.1	-30.0	-21.1	Peak	Vertical
	9903.700	-70.8	25.7	-45.1	-30.0	-15.1	Peak	Vertical
955.850 + 954.850	1196.200	-55.7	3.9	-51.8	-30.0	-21.8	Peak	Horizontal
	9991.900	-70.5	26.1	-44.4	-30.0	-14.4	Peak	Horizontal
	1196.200	-56.0	5.7	-50.3	-30.0	-20.3	Peak	Vertical
	9900.100	-70.3	25.6	-44.7	-30.0	-14.7	Peak	Vertical
956.850 + 957.850	1197.100	-56.8	3.9	-52.9	-30.0	-22.9	Peak	Horizontal
	9415.000	-70.3	25.7	-44.6	-30.0	-14.6	Peak	Horizontal
	1198.000	-57.4	5.7	-51.7	-30.0	-21.7	Peak	Vertical
	9670.600	-70.2	25.4	-44.8	-30.0	-14.8	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.450 + 958.450	1198.900	-56.4	4.0	-52.4	-30.0	-22.4	Peak	Horizontal
	9850.600	-70.2	25.9	-44.3	-30.0	-14.3	Peak	Horizontal
	1198.900	-56.4	5.7	-50.7	-30.0	-20.7	Peak	Vertical
	9910.900	-71.0	25.7	-45.3	-30.0	-15.3	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC2	Test Engineer	Ajin Fan & Lucas Wang
Test Date	2025-06-12 ~ 2025-06-13	Test Mode	Mode 4

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700	499.970	-101.6	31.1	-70.5	-54.0	-16.5	Peak	Horizontal
	701.630	-97.3	34.1	-63.2	-54.0	-9.2	Peak	Horizontal
	593.960	-102.3	34.5	-67.8	-54.0	-13.8	Peak	Vertical
	701.700	-105.1	36.4	-68.7	-54.0	-14.7	Average	Vertical
946.750	583.290	-103.4	32.0	-71.4	-54.0	-17.4	Peak	Horizontal
	706.700	-102.3	33.8	-68.5	-54.0	-14.5	Average	Horizontal
	218.470	-98.2	30.6	-67.6	-54.0	-13.6	Peak	Vertical
	706.580	-102.9	36.4	-66.5	-54.0	-12.5	Average	Vertical
951.800	561.270	-103.4	32.0	-71.4	-54.0	-17.4	Peak	Horizontal
	711.720	-100.4	33.8	-66.6	-54.0	-12.6	Average	Horizontal
	641.680	-103.2	35.0	-68.2	-54.0	-14.2	Peak	Vertical
	711.720	-100.6	36.7	-63.9	-54.0	-9.9	Average	Vertical
953.050	610.060	-106.1	32.3	-73.8	-54.0	-19.8	Peak	Horizontal
	713.070	-100.2	33.6	-66.6	-54.0	-12.6	Average	Horizontal
	589.690	-106.4	34.6	-71.8	-54.0	-17.8	Peak	Vertical
	713.070	-99.4	36.6	-62.8	-54.0	-8.8	Average	Vertical
956.050	715.790	-102.2	33.4	-68.8	-54.0	-14.8	Average	Horizontal
	837.140	-102.7	35.8	-66.9	-54.0	-12.9	Peak	Horizontal
	499.970	-99.4	33.5	-65.9	-54.0	-11.9	Peak	Vertical
	716.080	-101.4	36.5	-64.9	-54.0	-10.9	Average	Vertical
956.650	499.970	-98.7	31.1	-67.6	-54.0	-13.6	Peak	Horizontal
	716.570	-108.8	33.4	-75.4	-54.0	-21.4	Average	Horizontal
	499.970	-98.9	33.5	-65.4	-54.0	-11.4	Peak	Vertical
	716.660	-108.4	36.5	-71.9	-54.0	-17.9	Average	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650	500.060	-99.5	31.1	-68.4	-54.0	-14.4	Peak	Horizontal
	719.570	-107.6	33.5	-74.1	-54.0	-20.1	Average	Horizontal
	499.970	-98.9	33.5	-65.4	-54.0	-11.4	Peak	Vertical
	719.480	-108.3	36.6	-71.7	-54.0	-17.7	Average	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC1	Test Engineer	Lucas Wang
Test Date	2025-06-12	Test Mode	Mode 4

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700	1181.800	-44.8	3.7	-41.1	-30.0	-11.1	Peak	Horizontal
	9560.800	-69.9	25.8	-44.1	-30.0	-14.1	Peak	Horizontal
	1181.800	-45.9	5.1	-40.8	-30.0	-10.8	Peak	Vertical
	9802.900	-70.3	25.4	-44.9	-30.0	-14.9	Peak	Vertical
946.750	1187.200	-46.8	3.8	-43.0	-30.0	-13.0	Peak	Horizontal
	9793.900	-70.4	26.1	-44.3	-30.0	-14.3	Peak	Horizontal
	1187.200	-47.9	5.6	-42.3	-30.0	-12.3	Peak	Vertical
	9453.700	-69.3	24.4	-44.9	-30.0	-14.9	Peak	Vertical
951.800	1191.700	-49.1	3.8	-45.3	-30.0	-15.3	Peak	Horizontal
	9656.200	-69.6	25.5	-44.1	-30.0	-14.1	Peak	Horizontal
	1191.700	-50.2	5.7	-44.5	-30.0	-14.5	Peak	Vertical
	9860.500	-70.5	25.1	-45.4	-30.0	-15.4	Peak	Vertical
953.050	1193.500	-49.4	3.9	-45.5	-30.0	-15.5	Peak	Horizontal
	9811.900	-70.8	26.4	-44.4	-30.0	-14.4	Peak	Horizontal
	1193.500	-50.5	5.7	-44.8	-30.0	-14.8	Peak	Vertical
	9802.900	-69.9	25.4	-44.5	-30.0	-14.5	Peak	Vertical
956.050	1196.200	-49.9	3.9	-46.0	-30.0	-16.0	Peak	Horizontal
	9412.300	-69.9	25.6	-44.3	-30.0	-14.3	Peak	Horizontal
	1196.200	-51.0	5.7	-45.3	-30.0	-15.3	Peak	Vertical
	9861.400	-69.7	25.2	-44.5	-30.0	-14.5	Peak	Vertical
956.650	1197.100	-50.1	3.9	-46.2	-30.0	-16.2	Peak	Horizontal
	9924.400	-70.5	26.0	-44.5	-30.0	-14.5	Peak	Horizontal
	1197.100	-50.5	5.7	-44.8	-30.0	-14.8	Peak	Vertical
	9521.200	-69.5	24.8	-44.7	-30.0	-14.7	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650	1199.800	-50.8	4.0	-46.8	-30.0	-16.8	Peak	Horizontal
	9837.100	-70.0	26.2	-43.8	-30.0	-13.8	Peak	Horizontal
	1199.800	-51.8	5.7	-46.1	-30.0	-16.1	Peak	Vertical
	9498.700	-69.9	25.0	-44.9	-30.0	-14.9	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2025-06-12	Test Mode	Mode 5

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700	548.080	-102.5	31.6	-70.9	-54.0	-16.9	Peak	Horizontal
	701.530	-98.4	34.1	-64.3	-54.0	-10.3	Peak	Horizontal
	701.730	-105.7	36.4	-69.3	-54.0	-15.3	Average	Vertical
	836.260	-101.5	37.6	-63.9	-54.0	-9.9	Peak	Vertical
946.750	498.510	-102.5	31.1	-71.4	-54.0	-17.4	Peak	Horizontal
	706.770	-102.1	33.8	-68.3	-54.0	-14.3	Average	Horizontal
	550.020	-102.1	33.9	-68.2	-54.0	-14.2	Peak	Vertical
	706.670	-103.2	36.4	-66.8	-54.0	-12.8	Average	Vertical
951.800	711.810	-102.2	33.8	-68.4	-54.0	-14.4	Average	Horizontal
	846.550	-102.4	35.8	-66.6	-54.0	-12.6	Peak	Horizontal
	711.720	-103.4	36.7	-66.7	-54.0	-12.7	Average	Vertical
	823.560	-102.7	37.2	-65.5	-54.0	-11.5	Peak	Vertical
953.050	712.980	-101.9	33.6	-68.3	-54.0	-14.3	Average	Horizontal
	818.130	-102.2	35.4	-66.8	-54.0	-12.8	Peak	Horizontal
	712.880	-102.6	36.6	-66.0	-54.0	-12.0	Average	Vertical
	791.450	-102.0	36.8	-65.2	-54.0	-11.2	Peak	Vertical
956.050	715.980	-99.8	33.4	-66.4	-54.0	-12.4	Average	Horizontal
	808.910	-101.4	35.4	-66.0	-54.0	-12.0	Peak	Horizontal
	715.980	-100.9	36.5	-64.4	-54.0	-10.4	Average	Vertical
	825.980	-101.5	37.4	-64.1	-54.0	-10.1	Peak	Vertical
956.650	716.470	-100.2	33.4	-66.8	-54.0	-12.8	Average	Horizontal
	844.900	-102.0	35.9	-66.1	-54.0	-12.1	Peak	Horizontal
	716.570	-101.1	36.5	-64.6	-54.0	-10.6	Average	Vertical
	822.780	-102.1	37.2	-64.9	-54.0	-10.9	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650	719.570	-100.1	33.5	-66.6	-54.0	-12.6	Average	Horizontal
	850.330	-102.1	35.7	-66.4	-54.0	-12.4	Peak	Horizontal
	719.480	-101.1	36.6	-64.5	-54.0	-10.5	Average	Vertical
	836.850	-101.5	37.6	-63.9	-54.0	-9.9	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Site	WZ-AC1	Test Engineer	Lucas Wang
Test Date	2025-06-12 ~ 2025-06-13	Test Mode	Mode 5

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.700	1181.800	-48.4	3.7	-44.7	-30.0	-14.7	Peak	Horizontal
	9782.200	-70.0	26.0	-44.0	-30.0	-14.0	Peak	Horizontal
	1181.800	-50.5	5.1	-45.4	-30.0	-15.4	Peak	Vertical
	9917.200	-70.4	25.5	-44.9	-30.0	-14.9	Peak	Vertical
946.750	1187.200	-51.7	3.8	-47.9	-30.0	-17.9	Peak	Horizontal
	9857.800	-70.2	25.8	-44.4	-30.0	-14.4	Peak	Horizontal
	1187.200	-51.3	5.6	-45.7	-30.0	-15.7	Peak	Vertical
	9874.000	-70.5	26.0	-44.5	-30.0	-14.5	Peak	Vertical
951.800	1192.600	-52.2	3.9	-48.3	-30.0	-18.3	Peak	Horizontal
	9569.800	-70.5	26.0	-44.5	-30.0	-14.5	Peak	Horizontal
	1191.700	-53.5	5.7	-47.8	-30.0	-17.8	Peak	Vertical
	9919.000	-70.8	25.5	-45.3	-30.0	-15.3	Peak	Vertical
953.050	1193.500	-52.6	3.9	-48.7	-30.0	-18.7	Peak	Horizontal
	9831.700	-70.1	26.1	-44.0	-30.0	-14.0	Peak	Horizontal
	1193.500	-53.5	5.7	-47.8	-30.0	-17.8	Peak	Vertical
	9814.600	-69.9	25.3	-44.6	-30.0	-14.6	Peak	Vertical
956.050	1196.200	-52.8	3.9	-48.9	-30.0	-18.9	Peak	Horizontal
	9622.000	-69.1	25.7	-43.4	-30.0	-13.4	Peak	Horizontal
	1196.200	-54.1	5.7	-48.4	-30.0	-18.4	Peak	Vertical
	9882.100	-70.7	25.7	-45.0	-30.0	-15.0	Peak	Vertical
956.650	1197.100	-55.1	3.9	-51.2	-30.0	-21.2	Peak	Horizontal
	9475.300	-68.9	24.9	-44.0	-30.0	-14.0	Peak	Horizontal
	1197.100	-55.3	5.7	-49.6	-30.0	-19.6	Peak	Vertical
	9780.400	-70.3	25.5	-44.8	-30.0	-14.8	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.650	1199.800	-55.9	4.0	-51.9	-30.0	-21.9	Peak	Horizontal
	9803.800	-70.4	26.5	-43.9	-30.0	-13.9	Peak	Horizontal
	1199.800	-59.6	5.7	-53.9	-30.0	-23.9	Peak	Vertical
	9667.900	-70.3	25.4	-44.9	-30.0	-14.9	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Appendix B – Test Setup Photograph

Refer to “R25S1019045-UT” file.

Appendix C – EUT Photograph

Refer to “R25S1019045-UE” file.

_____ The End _____