RF MEASUREMENT REPORT

FCC ID:	DD4ADTDX55
Applicant:	Shure Incorporated
Product:	Wireless Dual Transmitter
Model No.:	ADTD X55, ADTD DC X55
Brand Name:	SHURE, SHURE
FCC Classification:	Licensed LPAS Device (TLD)
FCC Rule Part(s):	Part 74 Subpart H (Section 74.861)
Result:	Complies
Received Date:	2024-06-13
Test Date:	2024-08-21 ~ 2024-11-28

Reviewed By: Jame Yuan

Approved By: Robin Wu

Revision History

Report No.	Version	Description	Issue Date	Note
2406RSU021-U18	V01	Initial Report	2024-11-30	Invalid
2406RSU021-U18	V02	Update KDB 206256 Version	2024-12-10	Valid

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1. General Information

1.1. Applicant

Shure Incorporated

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

1.2. Manufacturer

Shure Incorporated

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

1.3. Testing Facility

<table>
<tr><td>☒</td><td colspan="5">Test Site – MRT Suzhou Laboratory</td></tr>
<tr><td></td><td colspan="5">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</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="3">A2LA: 3628.01</td><td colspan="2">CNAS: L10551</td></tr>
<tr><td></td><td colspan="3">FCC: CN1166</td><td colspan="2">ISED: CN0001</td></tr>
<tr><td></td><td rowspan="2">VCCI:</td><td>☐R-20025</td><td>☐G-20034</td><td>☐C-20020</td><td>☐T-20020</td></tr>
<tr><td></td><td>☐R-20141</td><td>☐G-20134</td><td>☐C-20103</td><td>☐T-20104</td></tr>
<tr><td>☐</td><td colspan="5">Test Site – MRT Shenzhen Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Shenzhen)
1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="3">A2LA: 3628.02</td><td colspan="2">CNAS: L10551</td></tr>
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<tr><td>☐</td><td colspan="5">Test Site – MRT Taiwan Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Taiwan)
No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="5">TAF: 3261</td></tr>
<tr><td></td><td colspan="3">FCC: 291082, TW3261</td><td colspan="2">ISED: TW3261</td></tr>
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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 EUT was provided by the manufacturer, and the accuracy of the information shall be 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	Analog FM & Narrowband & 4-channel Wideband (WMAS) & PTP
Frequency Range	941 ~ 960 MHz
Declared Power Level	Low & Mid & High
Type of Modulation	Analog FM: FM
	Narrowband: OFDM
	4-channel Wideband: OFDM
	PTP: 16QAM
Declared Occupied Bandwidth	Analog FM: 200kHz
	Narrowband: 200kHz
	4-channel Wideband (WMAS): 440kHz
	4-channel Wideband (WMAS): 850kHz
	PTP: 200kHz
Channel Spacing	25kHz
RF Connector Type	BNC

1.6. Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
Analog FM & Narrowband & PTP		
941.625 ~ 947.875 MHz Frequency Band		
941.625	946.750	951.875
949.975 ~ 956.125 MHz Frequency Band		
952.975	N/A	956.125
956.575 ~ 959.725 MHz Frequency Band		
956.575	N/A	959.725
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	2.2

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at X55 Band by Analog FM (Power Level = 250mW)
Mode 2: Transmit at X55 Band by Analog FM combined (Power Level = 20mW)
Mode 3: Transmit at X55 Band by Narrowband (Power Level = 250mW)
Mode 4: Transmit at X55 Band by Narrowband combined (Power Level = 20mW)
Mode 5: Transmit at X55 Band by Narrowband spatial diversity (Power Level = 100mW)
Mode 6: Transmit at X55 Band by 4-channel wideband (Power Level = 126mW)
Mode 7: Transmit at X55 Band by 4-channel wideband 8 audio mixes (Power Level = 50mW)
Mode 8: Transmit at X55 Band by 4-channel wideband spatial diversity (Power Level = 100mW)
Mode 9: Transmit at X55 Band by Axient Digital Standard (PTP) (Power Level = 250mW)
Mode 10: Transmit at X55 Band by Axient Digital Standard combined (PTP) (Power Level = 20mW)
Mode 11: Transmit at X55 Band by Narrowband, frequency diversity combined (Power Level = 20mW)
Mode 12: Transmit at X55 Band by 4-channel wideband frequency diversity (Power Level = 20mW)

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
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2025-09-02	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE11268	1 year	2024-12-14	WZ-TR3
Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2025-02-03	WZ-SR5
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	MRTSUE06558	1 year	2025-05-20	WZ-SR5
Audio Analyzer	R&S	UPV	MRTSUE06357	1 year	2025-04-11	WZ-SR5
Multifunction Synthesizer	HP	HP8904A	MRTSUE06097	1 year	2025-07-18	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2025-05-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11077	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11078	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11079	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11080	1 year	2025-06-05	WZ-SR5
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2025-04-17	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
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	2025-10-16	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2024-11-07	WZ-AC2

Software	Version	Function
e3	230711	RE & CE
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.

AC Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.02dB 150kHz~30MHz: 2.56dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.35dB Coplanar: 9kHz~30MHz: 2.37dB Horizontal: 30MHz~200MHz: 3.46dB 200MHz~1GHz: 3.78dB 1GHz~40GHz: 4.97dB Vertical: 30MHz~200MHz: 4.07dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.78dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.5dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.3dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.5dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.6%

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

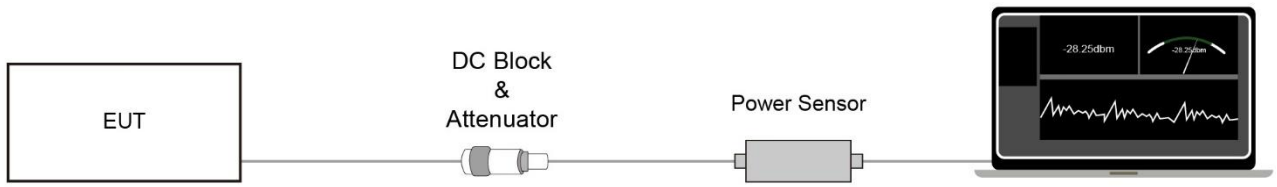
5.2.3. Test Setting

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.

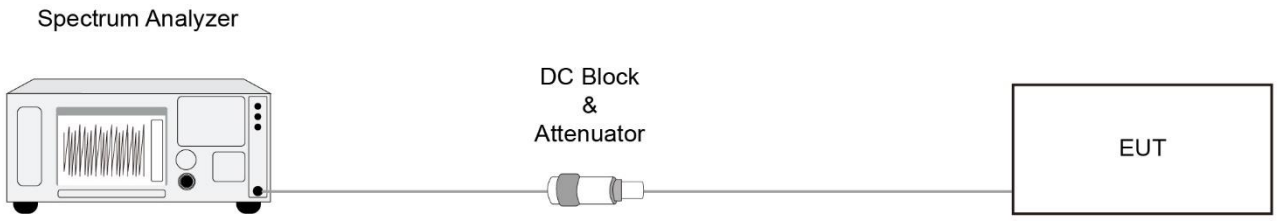
5.3.2. Test Procedure

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 ≥ 3 x 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 × B below to 2.5 × 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 × B below to 2.5 × 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 × B below to 2.5 × 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

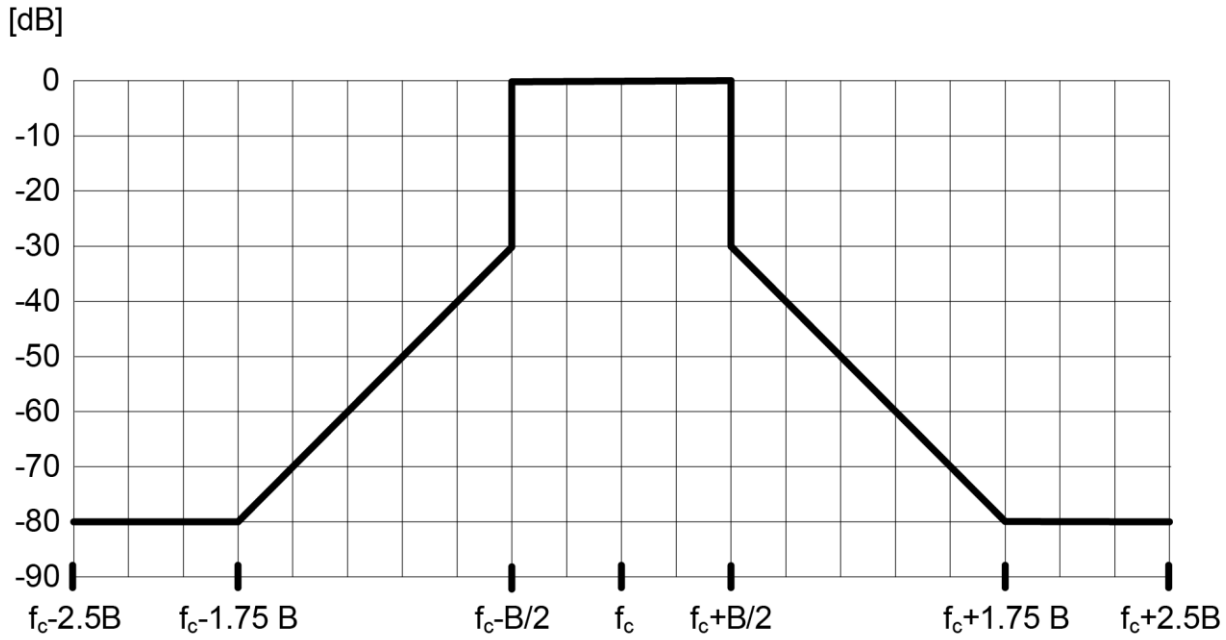


Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

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.

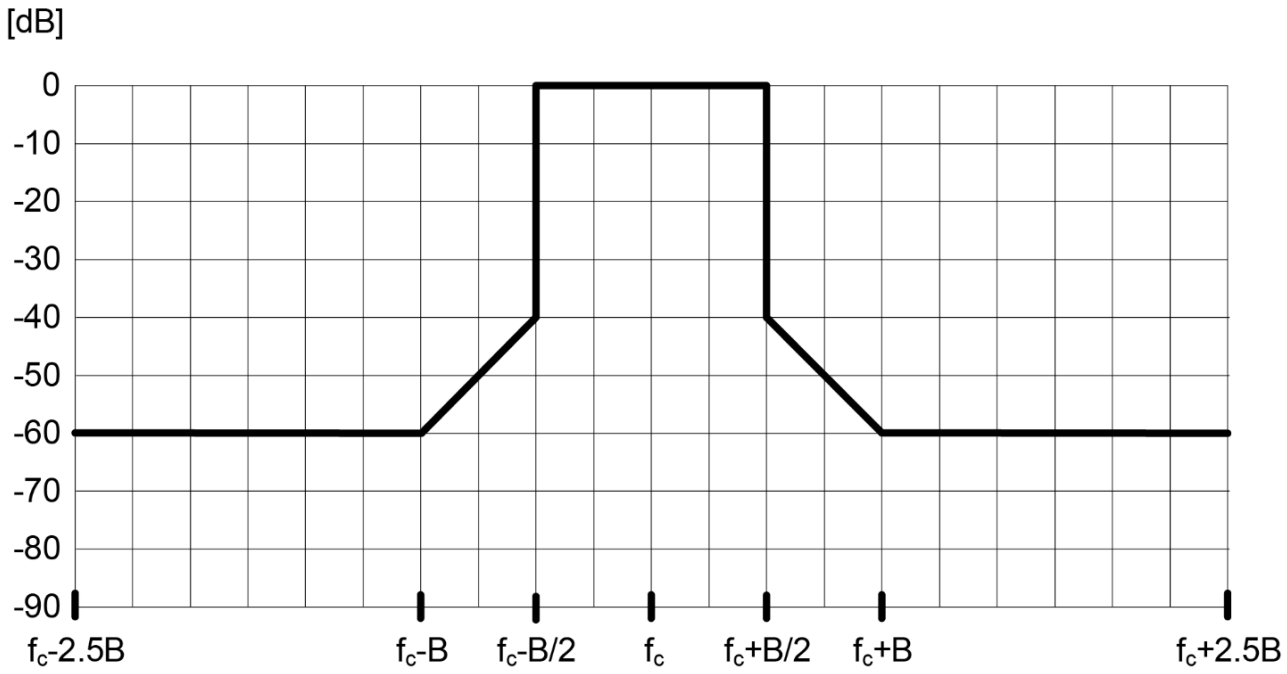


Figure 3: Transmit spectral power mask for WMAS, RBW = 100 kHz

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 × log10 (RBW/100 kHz) for correction.

Correction Factor for different B and applicable RBW

B	RBW, VBW	c = correction factor
B < 2 MHz	10 kHz	-10dB
2 MHz ≤ B < 5 MHz	25 kHz	-7dB
5 Hz ≤ B ≤ 20MHz	100 kHz	0dB

5.4.2. Test Procedure

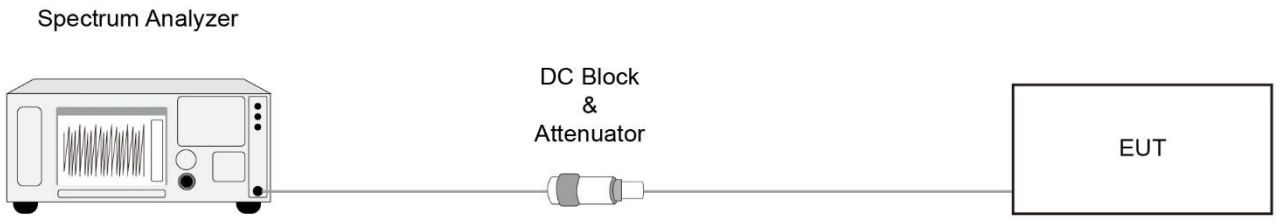
EN 300 422-1 V2.2.1 clause 5.4.3.2.

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 ≤ f ≤ F_c + 4B: 1kHz F_c + 4B < f ≤ F_c + 10B: 10kHz f > F_c + 10B: 100kHz f < F_c - 10B: 100kHz F_c - 10B ≤ f < F_c - 4B: 10kHz F_c - 4B ≤ f ≤ 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 ≤ f ≤ F_c + 4B: 1kHz F_c + 4B < f ≤ F_c + 10B: 10kHz f > F_c + 10B: 100kHz f < F_c - 10B: 100kHz F_c - 10B ≤ f < F_c - 4B: 10kHz F_c - 4B ≤ f ≤ F_c – 2.5B: 1kHz
1GHz < f≤ F_{upper}	-30dBm	F_c + 2.5B ≤ f ≤ F_c + 10B: 30kHz F_c + 10B < f ≤ F_c + 12B: 300kHz f > F_c + 12B: 1MHz f < F_c - 12B: 1MHz F_c - 12B ≤ f < F_c - 10B: 300kHz F_c - 10B ≤ f ≤ 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	30MHz	3GHz
600 MHz - 3 GHz	30MHz	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.

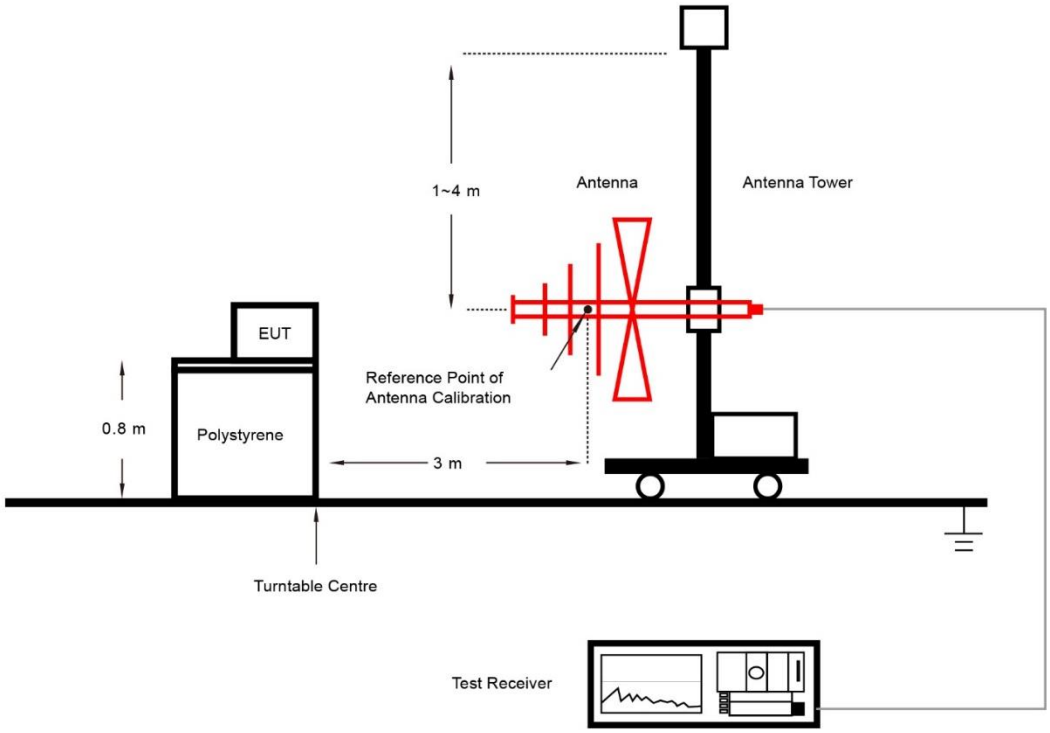
Compliance with the emission limits shall be demonstrated using an RMS Average detector.

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

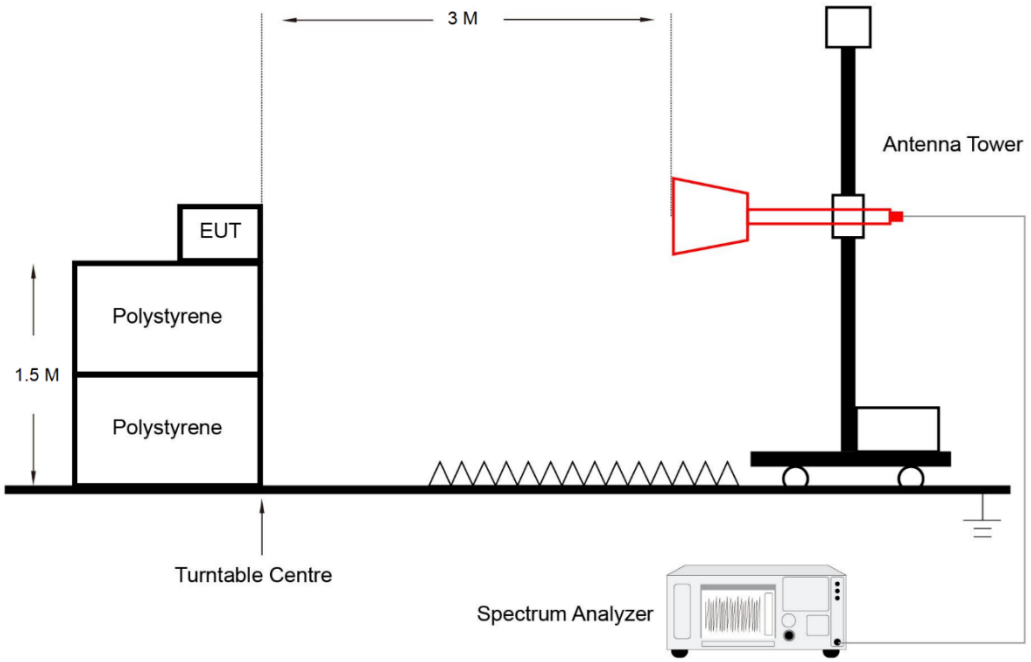
At each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

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	2024-11-24 ~ 2024-11-28	Test Mode	Mode 1 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Limit (dBm)	Test Result
	Port A	Port B		
250mW Power Level				
941.625	19.71	20.53	≤ 30.00	Pass
946.750	19.60	20.32	≤ 30.00	Pass
951.875	19.58	20.04	≤ 30.00	Pass
952.975	19.50	19.95	≤ 30.00	Pass
956.125	19.58	19.73	≤ 30.00	Pass
956.575	19.48	19.65	≤ 30.00	Pass
959.725	19.42	19.37	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 1 Multi Ports

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
250mW Power Level					
941.625	19.71	20.53	23.15	≤ 30.00	Pass
946.750	19.60	20.32	22.99	≤ 30.00	Pass
951.875	19.58	20.04	22.83	≤ 30.00	Pass
952.975	19.50	19.95	22.74	≤ 30.00	Pass
956.125	19.58	19.73	22.67	≤ 30.00	Pass
956.575	19.48	19.65	22.58	≤ 30.00	Pass
959.725	19.42	19.37	22.41	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 2

Frequency (MHz)		Conducted Output Power (dBm)	Limit (dBm)	Test Result
F1	F2			
20mW Power Level				
941.625	941.975	13.09	≤ 30.00	Pass
946.750	947.100	12.67	≤ 30.00	Pass
951.875	951.525	12.33	≤ 30.00	Pass
952.975	953.325	12.14	≤ 30.00	Pass
956.125	955.775	12.55	≤ 30.00	Pass
956.575	956.925	12.63	≤ 30.00	Pass
959.725	959.375	12.61	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 3 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Limit (dBm)	Test Result
	Port A	Port B		
250mW Power Level				
941.625	19.35	20.66	≤ 30.00	Pass
946.750	19.23	20.51	≤ 30.00	Pass
951.875	18.87	20.02	≤ 30.00	Pass
952.975	18.90	20.03	≤ 30.00	Pass
956.125	19.76	19.76	≤ 30.00	Pass
956.575	19.82	19.85	≤ 30.00	Pass
959.725	19.63	19.65	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 3 Multi Ports

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
250mW Power Level					
941.625	19.35	20.66	23.06	≤ 30.00	Pass
946.750	19.23	20.51	22.93	≤ 30.00	Pass
951.875	18.87	20.02	22.49	≤ 30.00	Pass
952.975	18.90	20.03	22.51	≤ 30.00	Pass
956.125	19.76	19.76	22.77	≤ 30.00	Pass
956.575	19.82	19.85	22.85	≤ 30.00	Pass
959.725	19.63	19.65	22.65	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 4

Frequency (MHz)		Conducted Output Power (dBm)	Limit (dBm)	Test Result
F1	F2			
20mW Power Level				
941.625	941.975	14.03	≤ 30.00	Pass
946.750	947.100	13.77	≤ 30.00	Pass
951.875	951.525	13.63	≤ 30.00	Pass
952.975	953.325	13.38	≤ 30.00	Pass
956.125	955.775	13.55	≤ 30.00	Pass
956.575	956.925	13.53	≤ 30.00	Pass
959.725	959.375	13.56	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 5

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
100mW Power Level					
941.625	18.33	20.26	22.41	≤ 30.00	Pass
946.750	18.51	20.14	22.41	≤ 30.00	Pass
951.875	18.69	19.33	22.03	≤ 30.00	Pass
952.975	18.34	19.45	21.94	≤ 30.00	Pass
956.125	18.88	19.35	22.13	≤ 30.00	Pass
956.575	18.35	19.28	21.85	≤ 30.00	Pass
959.725	19.55	18.87	22.23	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 6

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Test Result
126mW Power Level			
941.900	18.13	≤ 30.00	Pass
946.750	18.27	≤ 30.00	Pass
951.600	18.59	≤ 30.00	Pass
953.250	18.22	≤ 30.00	Pass
955.850	19.03	≤ 30.00	Pass
956.850	19.12	≤ 30.00	Pass
959.450	19.05	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 7 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Limit (dBm)	Test Result
	Port A	Port B		
50mW Power Level				
941.900	14.97	13.54	≤ 30.00	Pass
946.750	14.62	13.56	≤ 30.00	Pass
951.600	14.20	13.53	≤ 30.00	Pass
953.250	13.98	13.51	≤ 30.00	Pass
955.850	14.84	14.46	≤ 30.00	Pass
956.850	14.76	14.44	≤ 30.00	Pass
959.450	14.63	14.37	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 7 Multi Ports

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
50mW Power Level					
941.900	14.97	13.54	17.32	≤ 30.00	Pass
946.750	14.62	13.56	17.13	≤ 30.00	Pass
951.600	14.20	13.53	16.89	≤ 30.00	Pass
953.250	13.98	13.51	16.76	≤ 30.00	Pass
955.850	14.84	14.46	17.66	≤ 30.00	Pass
956.850	14.76	14.44	17.61	≤ 30.00	Pass
959.450	14.63	14.37	17.51	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 8

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
100mW Power Level					
941.900	18.46	20.18	22.41	≤ 30.00	Pass
946.750	18.26	20.01	22.23	≤ 30.00	Pass
951.600	18.02	19.79	22.00	≤ 30.00	Pass
953.250	17.57	19.68	21.76	≤ 30.00	Pass
955.850	18.35	19.52	21.98	≤ 30.00	Pass
956.850	18.25	19.46	21.91	≤ 30.00	Pass
959.450	18.09	19.22	21.70	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 9 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Limit (dBm)	Test Result
	Port A	Port B		
250mW Power Level				
941.625	20.28	20.19	≤ 30.00	Pass
946.750	20.11	20.51	≤ 30.00	Pass
951.875	19.91	20.39	≤ 30.00	Pass
952.975	19.87	20.36	≤ 30.00	Pass
956.125	20.77	20.27	≤ 30.00	Pass
956.575	20.79	20.25	≤ 30.00	Pass
959.725	20.64	20.15	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 9 Multi Ports

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Limit (dBm)	Test Result
	Port A	Port B			
250mW Power Level					
941.625	20.28	20.19	23.25	≤ 30.00	Pass
946.750	20.11	20.51	23.32	≤ 30.00	Pass
951.875	19.91	20.39	23.17	≤ 30.00	Pass
952.975	19.87	20.36	23.13	≤ 30.00	Pass
956.125	20.77	20.27	23.54	≤ 30.00	Pass
956.575	20.79	20.25	23.54	≤ 30.00	Pass
959.725	20.64	20.15	23.41	≤ 30.00	Pass

Note 1: Limit = 10*Log (1000mW) = 30.00 dBm.

Note 2: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) + 10^(Port B/10)) (dBm).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-24 ~ 2024-11-28	Test Mode	Mode 10

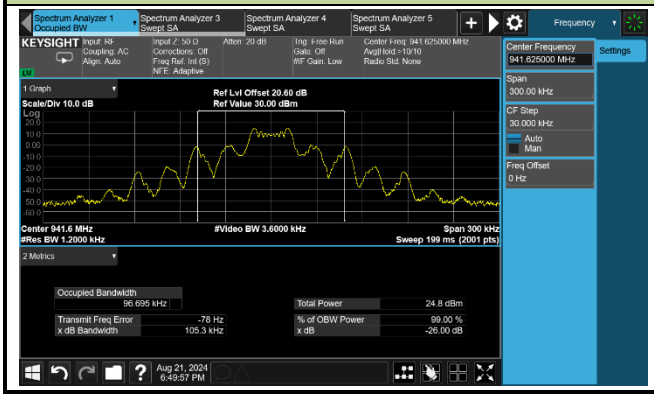
Frequency (MHz)		Conducted Output Power (dBm)	Limit (dBm)	Test Result
F1	F2			
20mW Power Level				
941.625	941.975	16.32	≤ 30.00	Pass
946.750	947.100	15.65	≤ 30.00	Pass
951.875	951.525	15.54	≤ 30.00	Pass
952.975	953.325	15.26	≤ 30.00	Pass
956.125	955.775	15.14	≤ 30.00	Pass
956.575	956.925	15.07	≤ 30.00	Pass
959.725	959.375	15.05	≤ 30.00	Pass

Note: Limit = 10*Log (1000mW) = 30.00 dBm.

A.2 99% Occupied Bandwidth Test Result

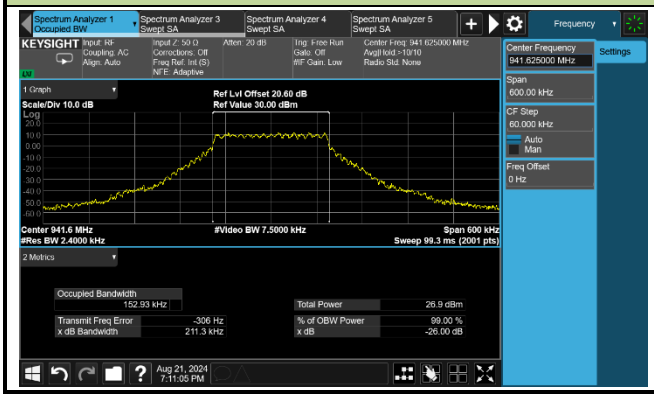
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-21	Test Mode	Mode 1

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
941.625	96.695	< 200	Pass

99% Occupied Bandwidth	
941.625MHz	
	

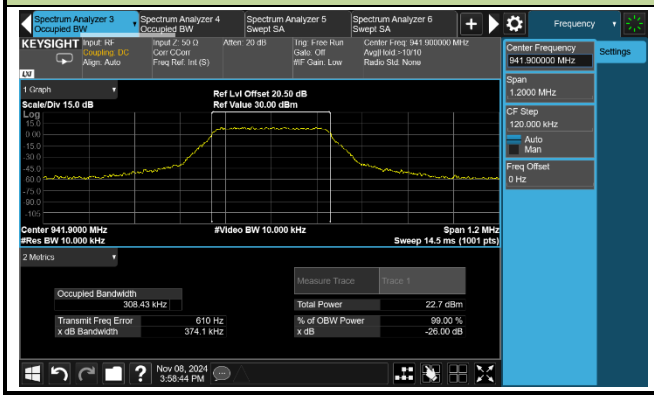
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-21	Test Mode	Mode 3

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
941.625	152.930	< 200	Pass

99% Occupied Bandwidth	
941.625MHz	
	

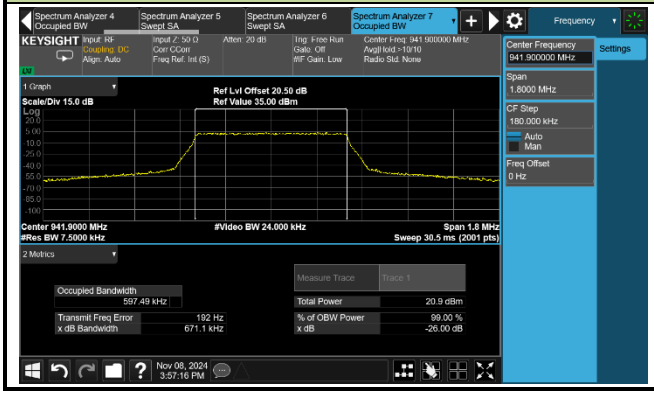
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-08	Test Mode	Mode 6

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (MHz)	Result
941.900	308.430	< 20	Pass

99% Occupied Bandwidth	
941.900MHz	
	

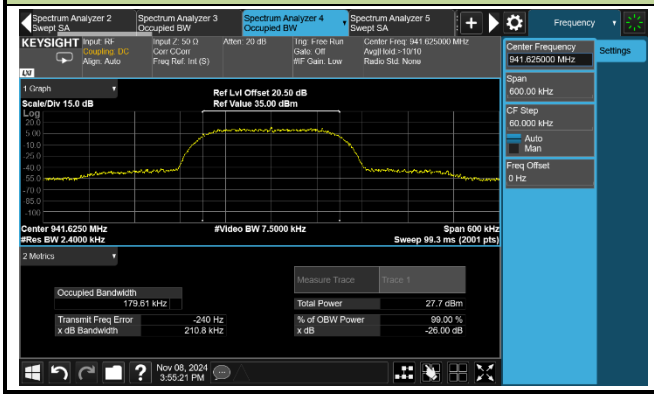
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-08	Test Mode	Mode 7

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (MHz)	Result
941.900	597.490	< 20	Pass

99% Occupied Bandwidth	
941.900MHz	
	

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-08	Test Mode	Mode 9

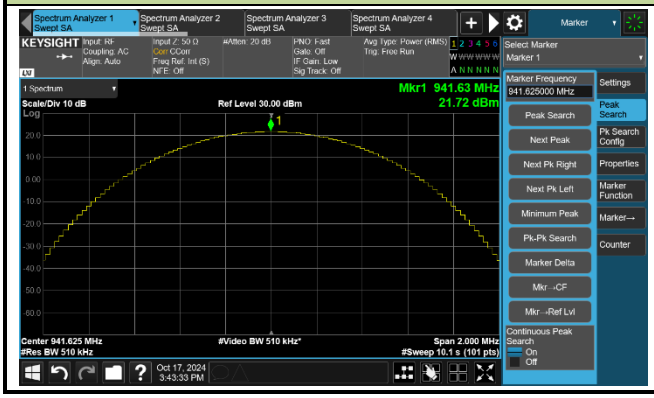
Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
941.625	179.610	< 200	Pass

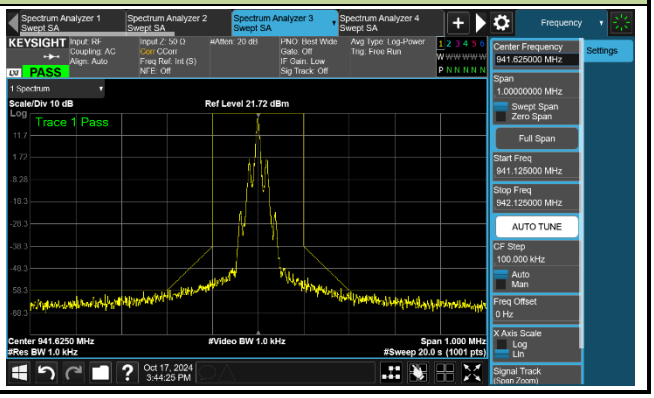
99% Occupied Bandwidth	
941.625MHz	
	

A.3 Emission Mask Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-17	Test Mode	Mode 1

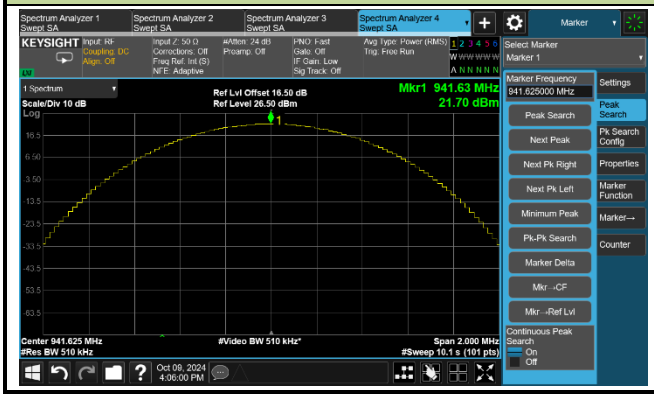
Port B
Channel 941.625MHz

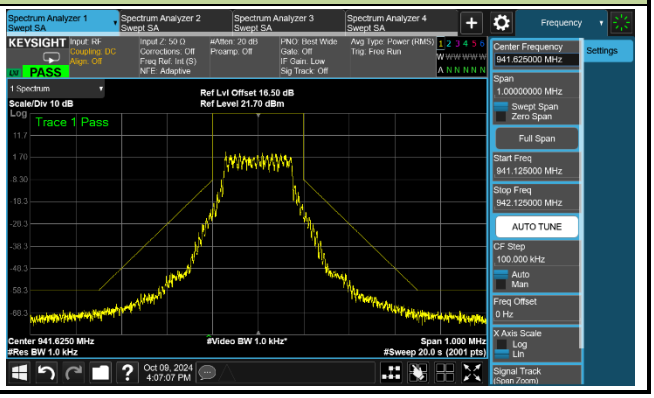




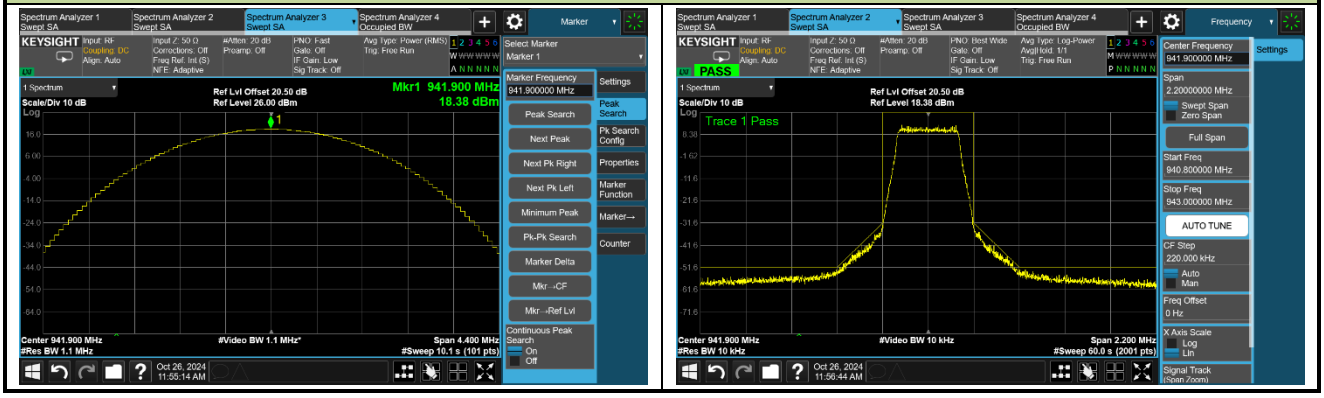
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-09	Test Mode	Mode 3

Port B
Channel 941.625MHz

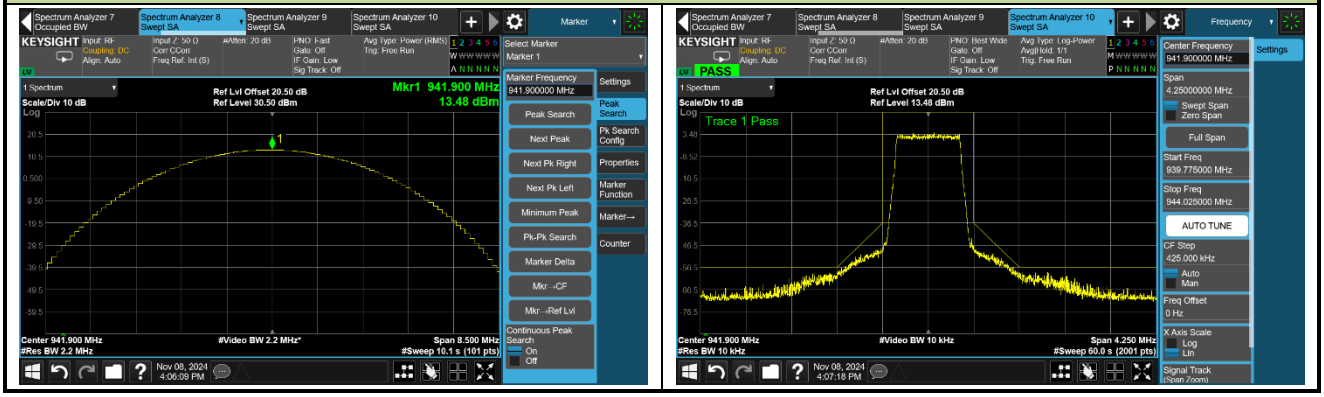




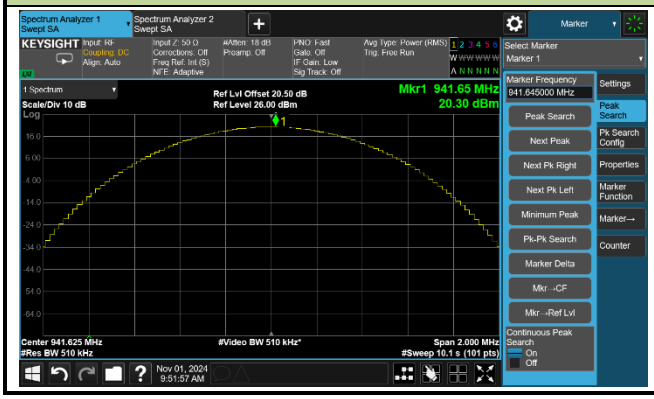
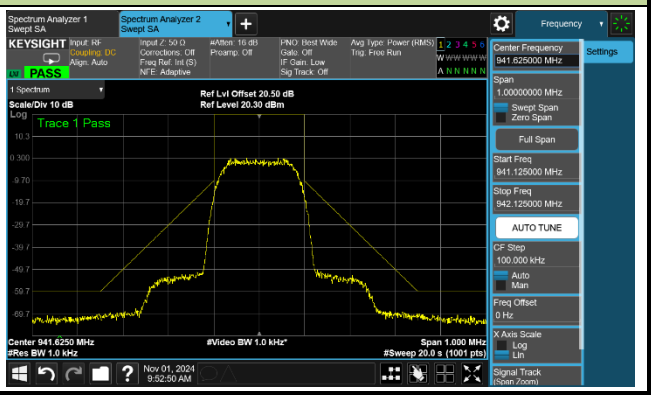
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-26	Test Mode	Mode 6

Port A
Channel 941.900MHz


Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-08	Test Mode	Mode 7

Port B
Channel 941.900MHz


Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-01	Test Mode	Mode 9

Port B	
Channel 941.625MHz	
	

A.4 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-09-05 ~ 2024-09-12	Test Mode	Mode 2

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.625 + 941.975	213.427	-104.3	31.4	-72.9	-54.0	-18.9	Peak	Horizontal
	688.630	-102.2	36.8	-65.4	-54.0	-11.4	Peak	Horizontal
	212.263	-97.9	26.7	-71.2	-54.0	-17.2	Peak	Vertical
	701.919	-101.8	37.0	-64.8	-54.0	-10.8	Peak	Vertical
	1181.800	-64.7	5.9	-58.8	-30.0	-28.8	Peak	Horizontal
	4773.700	-71.6	14.4	-57.2	-30.0	-27.2	Peak	Horizontal
	1181.800	-54.4	6.7	-47.7	-30.0	-17.7	Peak	Vertical
	2409.400	-64.4	6.4	-58.0	-30.0	-28.0	Peak	Vertical
946.750 + 947.100	211.584	-104.2	31.0	-73.2	-54.0	-19.2	Peak	Horizontal
	713.268	-103.4	37.6	-65.8	-54.0	-11.8	Peak	Horizontal
	98.191	-105.0	39.3	-65.7	-54.0	-11.7	Peak	Vertical
	704.247	-102.7	36.9	-65.8	-54.0	-11.8	Peak	Vertical
	1186.300	-63.0	5.8	-57.2	-30.0	-27.2	Peak	Horizontal
	5743.900	-71.2	14.8	-56.4	-30.0	-26.4	Peak	Horizontal
	1186.300	-55.2	6.5	-48.7	-30.0	-18.7	Peak	Vertical
	2426.500	-65.1	6.4	-58.7	-30.0	-28.7	Peak	Vertical
951.875 + 951.525	220.702	-103.7	31.5	-72.2	-54.0	-18.2	Peak	Horizontal
	706.478	-101.0	37.2	-63.8	-54.0	-9.8	Peak	Horizontal
	98.385	-104.3	39.2	-65.1	-54.0	-11.1	Peak	Vertical
	711.522	-101.2	36.8	-64.4	-54.0	-10.4	Peak	Vertical
	1077.400	-65.3	5.6	-59.7	-30.0	-29.7	Peak	Horizontal
	2426.500	-65.6	8.1	-57.5	-30.0	-27.5	Peak	Horizontal
	1191.700	-56.2	6.4	-49.8	-30.0	-19.8	Peak	Vertical
	1752.400	-59.3	6.3	-53.0	-30.0	-23.0	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
952.975 + 953.325	214.397	-102.4	31.5	-70.9	-54.0	-16.9	Peak	Horizontal
	714.529	-101.4	37.4	-64.0	-54.0	-10.0	Peak	Horizontal
	97.027	-104.7	39.1	-65.6	-54.0	-11.6	Peak	Vertical
	713.365	-102.9	37.1	-65.8	-54.0	-11.8	Peak	Vertical
	2757.700	-67.5	8.5	-59.0	-30.0	-29.0	Peak	Horizontal
	8072.200	-74.0	22.8	-51.2	-30.0	-21.2	Peak	Horizontal
	1192.600	-56.9	6.4	-50.5	-30.0	-20.5	Peak	Vertical
	7192.900	-73.9	21.9	-52.0	-30.0	-22.0	Peak	Vertical
956.125 + 955.775	216.531	-103.8	31.8	-72.0	-54.0	-18.0	Peak	Horizontal
	716.178	-102.3	37.5	-64.8	-54.0	-10.8	Peak	Horizontal
	97.512	-104.9	39.2	-65.7	-54.0	-11.7	Peak	Vertical
	716.081	-101.6	36.8	-64.8	-54.0	-10.8	Peak	Vertical
	1415.800	-66.7	7.0	-59.7	-30.0	-29.7	Peak	Horizontal
	6641.200	-72.1	18.8	-53.3	-30.0	-23.3	Peak	Horizontal
	1196.200	-57.5	6.3	-51.2	-30.0	-21.2	Peak	Vertical
	1901.800	-61.2	6.4	-54.8	-30.0	-24.8	Peak	Vertical
956.575 + 956.925	216.143	-104.5	31.8	-72.7	-54.0	-18.7	Peak	Horizontal
	716.954	-103.3	37.8	-65.5	-54.0	-11.5	Peak	Horizontal
	97.803	-104.1	39.2	-64.9	-54.0	-10.9	Peak	Vertical
	716.954	-101.4	36.9	-64.5	-54.0	-10.5	Peak	Vertical
	1001.800	-64.0	6.0	-58.0	-30.0	-28.0	Peak	Horizontal
	3079.000	-67.5	9.4	-58.1	-30.0	-28.1	Peak	Horizontal
	1196.200	-57.4	6.3	-51.1	-30.0	-21.1	Peak	Vertical
	3139.300	-67.4	8.6	-58.8	-30.0	-28.8	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
959.725 + 959.375	220.411	-103.9	31.6	-72.3	-54.0	-18.3	Peak	Horizontal
	719.379	-102.0	37.9	-64.1	-54.0	-10.1	Peak	Horizontal
	93.923	-103.9	39.0	-64.9	-54.0	-10.9	Peak	Vertical
	719.379	-100.8	36.8	-64.0	-54.0	-10.0	Peak	Vertical
	2269.900	-68.3	8.1	-60.2	-30.0	-30.2	Peak	Horizontal
	4797.100	-69.8	14.2	-55.6	-30.0	-25.6	Peak	Horizontal
	1181.800	-58.7	6.7	-52.0	-30.0	-22.0	Peak	Vertical
	5465.800	-68.3	12.4	-55.9	-30.0	-25.9	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	Bob Zhang
Test Date	2024-09-05 ~ 2024-09-12	Test Mode	Mode 4

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.625 + 941.975	210.032	-103.4	30.6	-72.8	-54.0	-18.8	Peak	Horizontal
	702.113	-99.8	37.3	-62.5	-54.0	-8.5	Peak	Horizontal
	98.676	-104.5	39.0	-65.5	-54.0	-11.5	Peak	Vertical
	701.919	-100.1	37.0	-63.1	-54.0	-9.1	Peak	Vertical
	1426.600	-69.3	9.3	-60.0	-30.0	-30.0	Peak	Horizontal
	5168.800	-71.4	16.0	-55.4	-30.0	-25.4	Peak	Horizontal
	1181.800	-56.4	7.8	-48.6	-30.0	-18.6	Peak	Vertical
	2479.600	-65.4	9.9	-55.5	-30.0	-25.5	Peak	Vertical
946.750 + 947.100	215.270	-104.1	31.6	-72.5	-54.0	-18.5	Peak	Horizontal
	707.157	-99.3	37.3	-62.0	-54.0	-8.0	Peak	Horizontal
	98.676	-104.1	39.0	-65.1	-54.0	-11.1	Peak	Vertical
	707.157	-98.1	36.9	-61.2	-54.0	-7.2	Peak	Vertical
	2107.900	-69.6	9.6	-60.0	-30.0	-30.0	Peak	Horizontal
	4400.200	-71.2	14.5	-56.7	-30.0	-26.7	Peak	Horizontal
	1187.200	-56.8	7.7	-49.1	-30.0	-19.1	Peak	Vertical
	5485.600	-71.6	15.0	-56.6	-30.0	-26.6	Peak	Vertical
951.875 + 951.525	211.875	-104.7	31.1	-73.6	-54.0	-19.6	Peak	Horizontal
	711.619	-99.7	37.6	-62.1	-54.0	-8.1	RMS	Horizontal
	97.900	-104.5	39.2	-65.3	-54.0	-11.3	Peak	Vertical
	711.522	-100.2	36.8	-63.4	-54.0	-9.4	RMS	Vertical
	2432.800	-68.5	10.1	-58.4	-30.0	-28.4	Peak	Horizontal
	5181.400	-72.0	16.0	-56.0	-30.0	-26.0	Peak	Horizontal
	1191.700	-58.1	7.3	-50.8	-30.0	-20.8	Peak	Vertical
	3798.100	-70.1	12.0	-58.1	-30.0	-28.1	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
952.975 + 953.325	211.972	-104.8	31.1	-73.7	-54.0	-19.7	Peak	Horizontal
	713.268	-99.3	37.6	-61.7	-54.0	-7.7	Peak	Horizontal
	97.706	-104.6	39.2	-65.4	-54.0	-11.4	Peak	Vertical
	713.462	-99.3	37.0	-62.3	-54.0	-8.3	RMS	Vertical
	1428.400	-68.9	9.3	-59.6	-30.0	-29.6	Peak	Horizontal
	2258.200	-69.5	11.3	-58.2	-30.0	-28.2	Peak	Horizontal
	1192.600	-58.5	7.2	-51.3	-30.0	-21.3	Peak	Vertical
	2425.600	-63.4	9.7	-53.7	-30.0	-23.7	Peak	Vertical
956.125 + 955.775	214.397	-104.3	31.5	-72.8	-54.0	-18.8	Peak	Horizontal
	716.081	-96.0	37.5	-58.5	-54.0	-4.5	RMS	Horizontal
	97.124	-104.8	39.1	-65.7	-54.0	-11.7	Peak	Vertical
	715.693	-96.7	36.9	-59.8	-54.0	-5.8	RMS	Vertical
	1356.400	-68.4	8.6	-59.8	-30.0	-29.8	Peak	Horizontal
	5176.900	-72.0	16.0	-56.0	-30.0	-26.0	Peak	Horizontal
	1196.200	-58.6	6.9	-51.7	-30.0	-21.7	Peak	Vertical
	2417.500	-65.8	9.8	-56.0	-30.0	-26.0	Peak	Vertical
956.575 + 956.925	50.855	-104.1	30.8	-73.3	-54.0	-19.3	Peak	Horizontal
	716.663	-95.6	37.7	-57.9	-54.0	-3.9	Peak	Horizontal
	97.124	-104.7	39.1	-65.6	-54.0	-11.6	Peak	Vertical
	716.954	-96.3	36.9	-59.4	-54.0	-5.4	Peak	Vertical
	2251.000	-69.7	11.1	-58.6	-30.0	-28.6	Peak	Horizontal
	4809.700	-72.5	15.8	-56.7	-30.0	-26.7	Peak	Horizontal
	1196.200	-58.9	6.9	-52.0	-30.0	-22.0	Peak	Vertical
	6220.000	-73.3	18.3	-55.0	-30.0	-25.0	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
959.725 + 959.375	52.213	-105.2	30.6	-74.6	-54.0	-20.6	Peak	Horizontal
	719.379	-95.3	37.9	-57.4	-54.0	-3.4	RMS	Horizontal
	96.542	-105.0	39.3	-65.7	-54.0	-11.7	Peak	Vertical
	719.379	-98.7	36.8	-61.9	-54.0	-7.9	RMS	Vertical
	1657.900	-67.7	8.0	-59.7	-30.0	-29.7	Peak	Horizontal
	5158.900	-72.4	15.8	-56.6	-30.0	-26.6	Peak	Horizontal
	1198.900	-60.3	6.6	-53.7	-30.0	-23.7	Peak	Vertical
	2417.500	-68.1	9.8	-58.3	-30.0	-28.3	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	Bob Zhang
Test Date	2024-09-05 ~ 2024-09-12	Test Mode	Mode 14

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
941.625 + 941.975	177.052	-99.7	28.4	-71.3	-54.0	-17.3	Peak	Horizontal
	717.439	-104.6	37.8	-66.8	-54.0	-12.8	Peak	Horizontal
	90.722	-102.9	30.9	-72.0	-54.0	-18.0	Peak	Vertical
	677.766	-102.3	35.8	-66.5	-54.0	-12.5	Peak	Vertical
	1181.800	-52.9	7.2	-45.7	-30.0	-15.7	Peak	Horizontal
	7385.500	-74.4	23.0	-51.4	-30.0	-21.4	Peak	Horizontal
	1181.800	-53.3	7.8	-45.5	-30.0	-15.5	Peak	Vertical
	1882.900	-66.6	6.9	-59.7	-30.0	-29.7	Peak	Vertical
946.750 + 947.100	177.731	-100.4	28.2	-72.2	-54.0	-18.2	Peak	Horizontal
	686.981	-102.5	36.7	-65.8	-54.0	-11.8	Peak	Horizontal
	96.251	-102.7	29.9	-72.8	-54.0	-18.8	Peak	Vertical
	686.205	-103.7	36.4	-67.3	-54.0	-13.3	Peak	Vertical
	1186.300	-55.3	7.2	-48.1	-30.0	-18.1	Peak	Horizontal
	2440.000	-67.7	10.0	-57.7	-30.0	-27.7	Peak	Horizontal
	1187.200	-54.9	7.7	-47.2	-30.0	-17.2	Peak	Vertical
	2224.000	-67.4	10.8	-56.6	-30.0	-26.6	Peak	Vertical
951.875 + 951.525	176.761	-100.5	28.4	-72.1	-54.0	-18.1	Peak	Horizontal
	713.656	-103.2	37.1	-66.1	-54.0	-12.1	Peak	Horizontal
	87.909	-102.3	31.1	-71.2	-54.0	-17.2	Peak	Vertical
	711.910	-101.1	35.8	-65.3	-54.0	-11.3	Peak	Vertical
	1191.700	-58.2	7.1	-51.1	-30.0	-21.1	Peak	Horizontal
	2406.700	-67.5	10.2	-57.3	-30.0	-27.3	Peak	Horizontal
	1191.700	-57.6	7.3	-50.3	-30.0	-20.3	Peak	Vertical
	1903.600	-63.0	7.4	-55.6	-30.0	-25.6	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
952.975 + 953.325	177.246	-98.7	28.4	-70.3	-54.0	-16.3	Peak	Horizontal
	712.977	-103.2	36.9	-66.3	-54.0	-12.3	Peak	Horizontal
	177.246	-98.7	27.7	-71.0	-54.0	-17.0	Peak	Vertical
	712.977	-102.1	36.1	-66.0	-54.0	-12.0	Peak	Vertical
	1192.600	-58.4	7.0	-51.4	-30.0	-21.4	Peak	Horizontal
	2420.200	-62.1	10.2	-51.9	-30.0	-21.9	Peak	Horizontal
	1192.600	-57.8	7.2	-50.6	-30.0	-20.6	Peak	Vertical
	1905.400	-63.4	7.4	-56.0	-30.0	-26.0	Peak	Vertical
956.125 + 955.775	177.731	-100.9	28.2	-72.7	-54.0	-18.7	Peak	Horizontal
	716.178	-101.9	37.5	-64.4	-54.0	-10.4	Peak	Horizontal
	89.364	-102.6	30.4	-72.2	-54.0	-18.2	Peak	Vertical
	716.178	-99.3	36.4	-62.9	-54.0	-8.9	Peak	Vertical
	1196.200	-58.6	6.9	-51.7	-30.0	-21.7	Peak	Horizontal
	2467.900	-61.6	9.9	-51.7	-30.0	-21.7	Peak	Horizontal
	1196.200	-58.6	6.9	-51.7	-30.0	-21.7	Peak	Vertical
	1911.700	-64.3	7.6	-56.7	-30.0	-26.7	Peak	Vertical
956.575 + 956.925	177.731	-100.2	28.2	-72.0	-54.0	-18.0	Peak	Horizontal
	716.566	-101.9	37.6	-64.3	-54.0	-10.3	Peak	Horizontal
	91.304	-103.8	31.3	-72.5	-54.0	-18.5	Peak	Vertical
	716.663	-99.6	36.4	-63.2	-54.0	-9.2	Peak	Vertical
	1196.200	-57.9	6.9	-51.0	-30.0	-21.0	Peak	Horizontal
	2432.800	-65.6	10.1	-55.5	-30.0	-25.5	Peak	Horizontal
	1196.200	-57.7	6.9	-50.8	-30.0	-20.8	Peak	Vertical
	2445.400	-62.7	9.5	-53.2	-30.0	-23.2	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 Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
959.725 + 959.375	178.507	-100.3	28.3	-72.0	-54.0	-18.0	Peak	Horizontal
	719.767	-101.0	37.6	-63.4	-54.0	-9.4	Peak	Horizontal
	87.715	-103.1	31.3	-71.8	-54.0	-17.8	Peak	Vertical
	719.767	-98.9	36.6	-62.3	-54.0	-8.3	Peak	Vertical
	1199.800	-59.0	6.8	-52.2	-30.0	-22.2	Peak	Horizontal
	1903.600	-51.6	7.7	-43.9	-30.0	-13.9	Peak	Horizontal
	1199.800	-59.7	6.6	-53.1	-30.0	-23.1	Peak	Vertical
	1918.900	-64.2	7.8	-56.4	-30.0	-26.4	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.

Appendix B – Test Setup Photograph

Refer to “2406RSU021-UT” file.

Appendix C – EUT Photograph

Refer to “2406RSU021-UE” file.

The End