RF MEASUREMENT REPORT

FCC ID:	DD4ADTDK54
Applicant:	Shure Incorporated
Product:	Wireless Dual Transmitter
Model No.:	ADTD K54, ADTD DC K54
Trade Mark:	SHURE, SHURE
FCC Classification:	Licensed LPAS Device (TLD)
FCC Rule Part(s):	Part 74 Subpart H (Section 74.861)
Result:	Complies
Received Date:	2026-01-19
Test Date:	2026-02-02 ~ 2026-02-13

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.
This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.
The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R26S1023017-U204	V01	Initial Report	2026-03-17	Valid

Note: This product has previously obtained FCC approval (FCC ID: DD4ADTDK54). New operating modes are added via software modification, based on report No. R25S1019045-U203.

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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

☒	**Test Site - MRT Suzhou Laboratory**	
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China **Laboratory Location (Suzhou - Wujiang)** Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
	Laboratory Accreditations	
	A2LA: 3628.01	CNAS: L10551
	FCC: CN1166	ISED: CN0001
☐	**Test Site - MRT Shenzhen Laboratory**	
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China	
	Laboratory Accreditations	
	A2LA: 3628.02	
	FCC: CN1284	ISED: CN0105
☐	**Test Site - MRT Taiwan Laboratory**	
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
	Laboratory Accreditations	
	TAF: 3261	
	FCC: 291082, TW3261	ISED: TW3261

1.4. Product Information

Product Name	Wireless Dual Transmitter
Model No.	ADTD K54, ADTD DC K54
Serial No.	2DE31787870
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 ~ 240 V AC) & DC Power Input (12 ~ 48 V) AC Power Output (100 ~ 240 V AC)
Accessory	
8 Port Antenna Combiner	Model: AD8C, AD8C DC AC Ver.: 100 - 240 V ~, 50/60 Hz, 0.76 A max (5.76 A max outlet loaded), DC Ver.: 12 - 48 V DC, 4 A 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 K54 and ADTD DC K54 are completely same except power supply difference, ADTD K54 supports AC power supply, while ADTD DC K54 supports both AC and DC power supply. Note 3: AD8C and AD8C DC are completely same except power supply difference, AD8C supports AC power supply, while AD8C DC supports both AC and DC power supply.	

1.5. Radio Specification under Test

Transmission Mode	SC Narrowband
Frequency Range	606 ~ 608 MHz & 653 ~ 657 MHz
Declared Power Level	Low & Mid & High
Type of Modulation	SC Narrowband: 16QAM
Declared Occupied Bandwidth	SC Narrowband: 200 kHz
Channel Spacing	25 kHz
RF Connector Type	BNC

1.6. Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
SC Narrowband		
606 ~ 608 MHz Frequency Band		
606.000	N/A	607.875
653 ~ 657 MHz Frequency Band		
653.125	N/A	656.975

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Manufacturer	Peak Gain (dBi)
Dipole	606 ~ 663	Shure	0.30

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at K54 Band by SC Narrowband (Max Power Level = 100 mW & 8 mW)
Mode 2: Transmit at K54 Band by SC Narrowband, combined (Max Power Level = 20 mW & 8 mW)

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 D01 v03
- 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
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2026-05-17	WZ-SR5
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2026-04-24	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06447	1 year	2026-06-17	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11091	1 year	2026-06-02	WZ-SR5
RF Cable	UCwave	UCE500	MRTSUE07383	1	2026-07-20	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	2026-09-12	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	2026-10-08	WZ-AC2

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	1.02	RE Antenna & Turntable
Agilent Power Panel	V 3.9	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: 9 kHz ~ 150 kHz: 3.59 dB 150 kHz ~ 30 MHz: 3.20 dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9 kHz ~ 30 MHz: 2.56 dB Coplanar: 9 kHz ~ 30 MHz: 2.55 dB Horizontal: 30 MHz ~ 200 MHz: 3.48 dB 200 MHz ~ 1 GHz: 4.17 dB 1 GHz ~ 40 GHz: 5.01 dB Vertical: 30 MHz ~ 200 MHz: 4.09 dB 200 MHz ~ 1 GHz: 5.30 dB 1 GHz ~ 40 GHz: 4.85 dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% (U=2 Uc(y)): 2.9 dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2 Uc(y)): 1.4 dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2 Uc(y)): 2.6%

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
74.861(e)(1)(ii)(iii)	RF Output Power	Conducted	Pass
74.861(e)(3)	Modulation		N/A
74.861(e)(4)	Frequency tolerance		NP
74.861(e)(5)	99% Occupied Bandwidth		Pass
74.861(e)(6)	Out of Band Emission		Pass
74.861(e)(7) (ii)	Emission Mask		Pass
74.861(e)(7) (iv)	Radiated Spurious Emission	Radiated	Pass

Notes:

1. All analyzer plots presented in this section were captured with a correction table applied. The correction table compensates for the losses introduced by the cables and attenuators used in the setup to connect the EUT to the analyzer across all relevant frequencies.
2. “N/A” means that this requirement applies to frequency modulation, therefore, testing is not required.
3. “NP” means that the item was previously evaluated in the original test report and no additional testing is required for this modification.

5.2. RF Output Power Measurement

5.2.1. Test Limit

(ii) 470-608 MHz band: 250 mW conducted power

(iii) 653-657 MHz band: 20 mW EIRP

5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.4.2

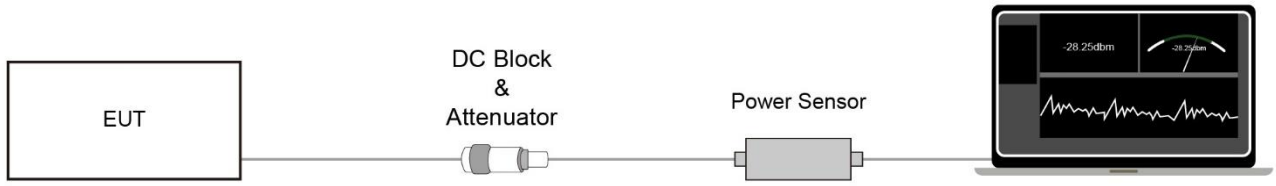
5.2.3. Test Setting

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. Frequency tolerance Measurement

5.3.1. Test Limit

The frequency tolerance of the transmitter shall be 0.005 percent.

5.3.2. Test Procedure

ANSI C63.26 - Section 5.6.3

5.3.3. Test Setting

Frequency Stability Under Temperature Variations:

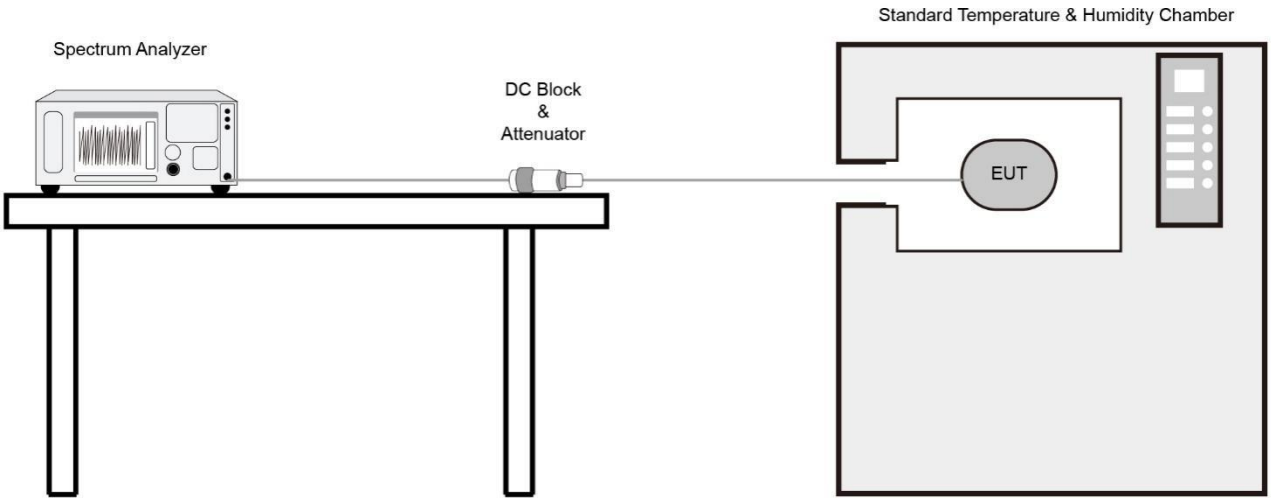
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20 °C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10 °C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20 °C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint (If a product is specified to operate over a range of input voltage then the -15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage), record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

NP

5.4. 99% Occupied Bandwidth Measurement

5.4.1. Test Limit

The operating bandwidth shall not exceed 200 kilohertz, except that a wireless multichannel audio system must have an operating bandwidth not exceeding 6 megahertz in the TV bands or 4 megahertz in the 653-657 MHz band.

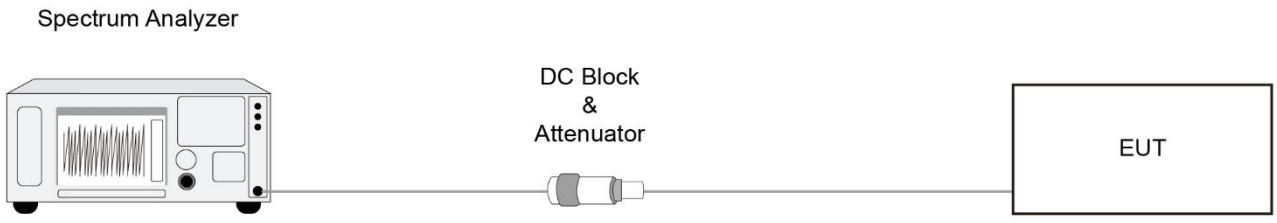
5.4.2. Test Procedure

ANSI C63.26-2015 - Section 5.4.4

5.4.3. 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 × 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

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.2.

5.5. Modulation Measurement

5.5.1. Test Limit

A maximum deviation of ±75 kHz is permitted when frequency modulation is employed.

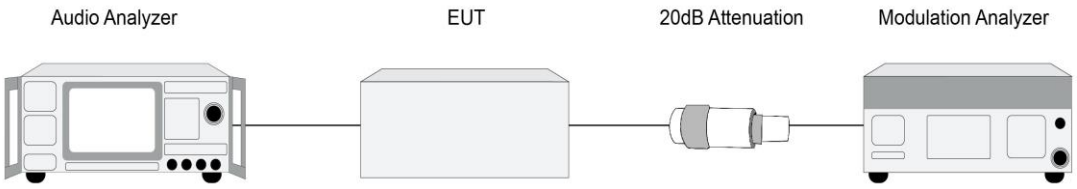
5.5.2. Test Procedure

ANSI C63.26-2015 - Section 5.3.2

5.5.3. Test Setting

1. Connect the equipment following the below figure.
2. Apply a 1000 Hz modulating signal to the transmitter from the audio frequency generator, and adjust the level to obtain 60% of full rated system deviation. This is the 0 dB reference level.
3. Increase the level from the audio generator by 20 dB in 5 dB increments recording the deviation as measured from the test receiver in each step. Verify that the audio level used to make the OBW measurement is included in the sweep.
4. Repeat for step 3) at 300 Hz, 2500 Hz and 3000 Hz at a minimum using the 0 dB reference level obtained in step 2).
5. Set the test receiver to measure peak negative deviation and repeat step 2) through step 4).
6. The values recorded in step 4) and step 5) are the modulation limiting.

5.5.4. Test Setup



5.5.5. Test Result

N/A

5.6. Out of Band Emission Measurement

5.6.1. Test Limit

The mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

(i) On any frequency removed from the operating frequency by more than 50 percent up to and including 100 percent of the authorized bandwidth: at least 25 dB;

(ii) On any frequency removed from the operating frequency by more than 100 percent up to and including 250 percent of the authorized bandwidth: at least 35 dB;

(iii) On any frequency removed from the operating frequency by more than 250 percent of the authorized bandwidth: at least $43 + 10 \times \log_{10}$ (mean output power in watts) dB.

5.6.2. Test Procedure

ANSI C63.26 - Section 5.7

5.6.3. Test Setting

a) The EUT was connected to a spectrum analyzer.

b) The EUT was modulated with typical digital modulation.

c) Set span to 2 × to 3 × the OBW

Set RBW ≥ OBW;

Set VBW ≥ 3 × RBW;

sweep time set to Auto,

Detector = power averaging (rms)

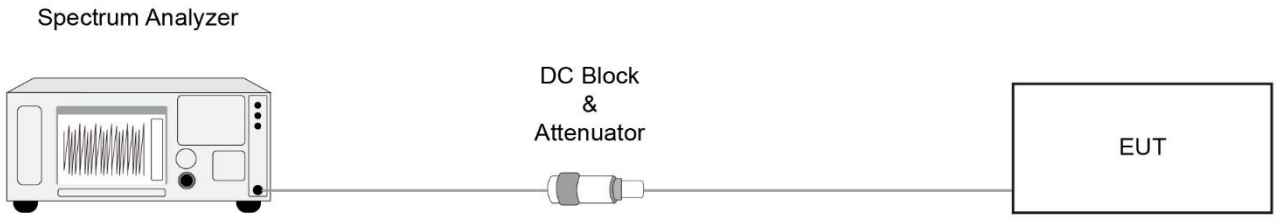
Use the peak marker function to determine the maximum amplitude level

d) The RMS output power was recorded and used to set the reference level on the spectrum analyzer.

e) The spectrum analyzer span was then set to 5 × the OBW;

RBW set to 1% of the OBW, VBW set to 3 × RBW, sweep time to Auto.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.3.

5.7. Emission Mask Measurement

5.7.1. 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 Out of Band Emission 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 Out of Band Emission 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 Out of Band Emission 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

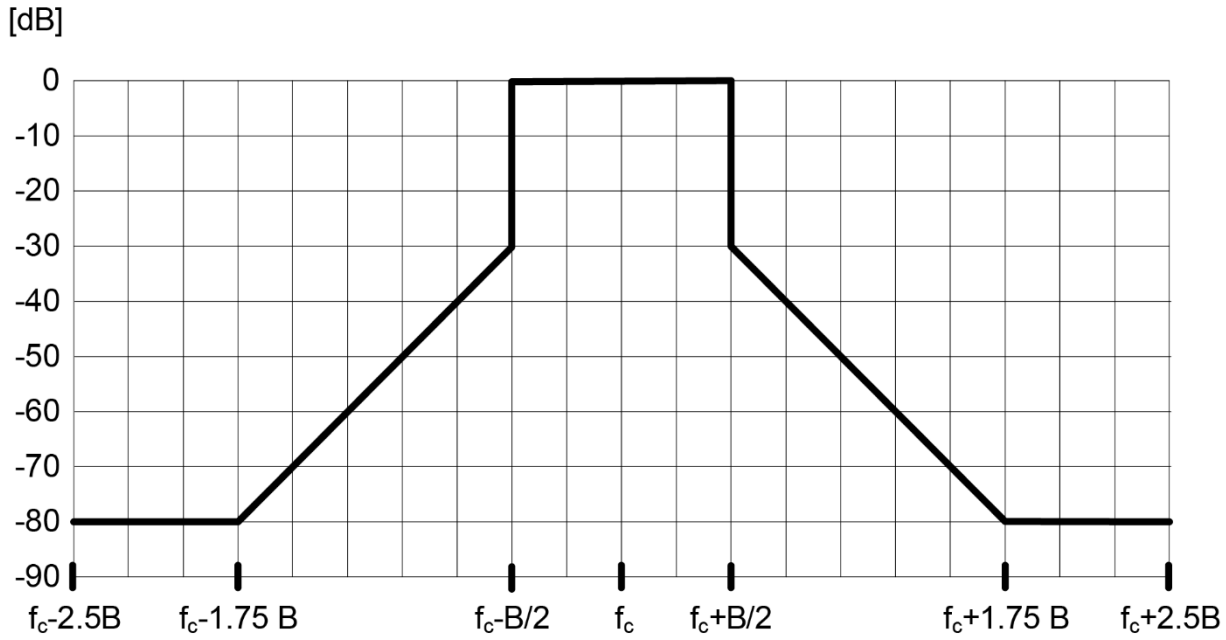


Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

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.

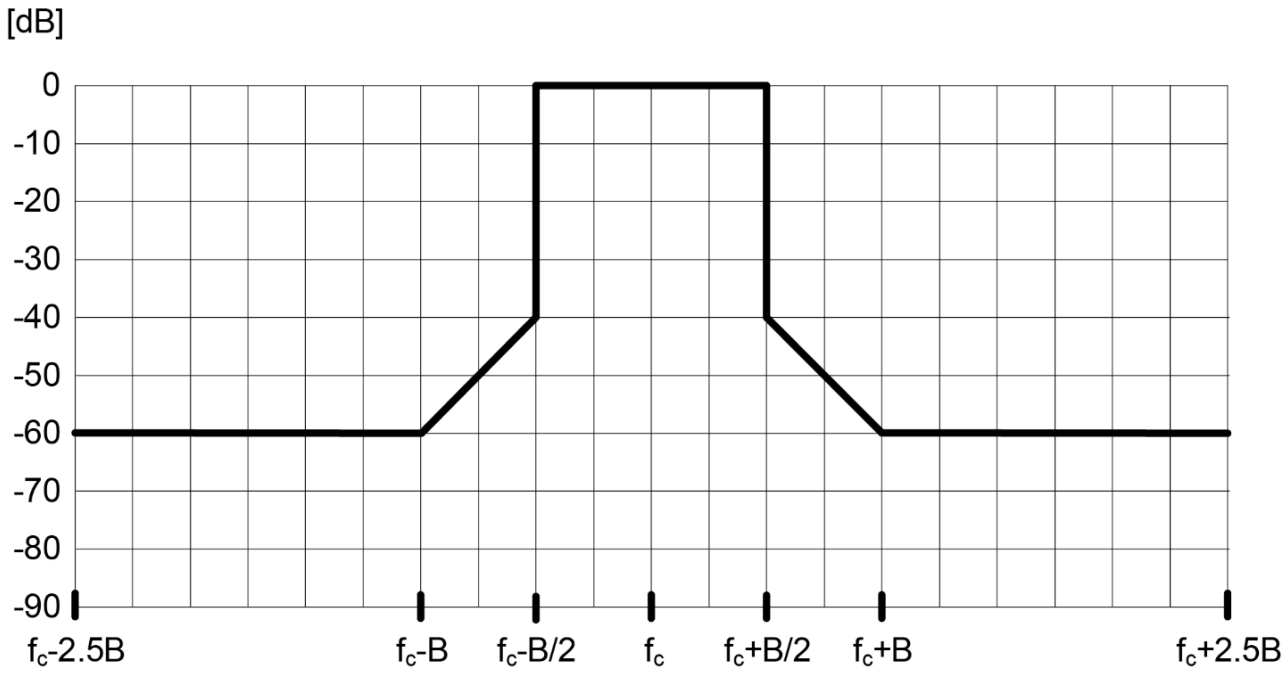


Figure 3: Transmit spectral power mask for WMAS, RBW = 100 kHz

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 × $\log_{10}$ (RBW/100 kHz) for correction.

Table 1: Correction Factor for different B and applicable RBW

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

5.7.2. Test Procedure

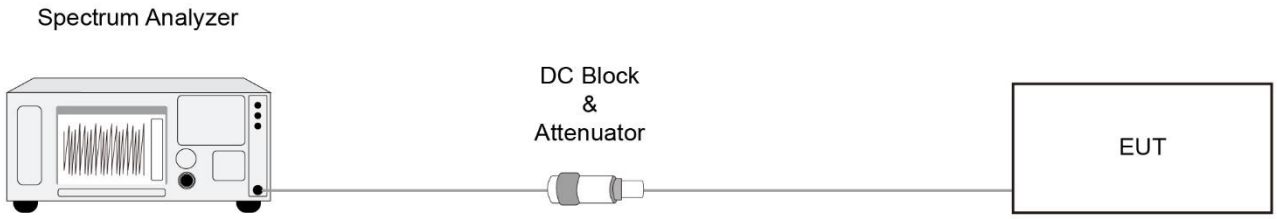
EN 300 422-1 V2.2.1 clause 5.4.3.2.

5.7.3. 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.

5.7.4. Test Setup



5.7.5. Test Result

Refer to Appendix A.4.

5.8. Radiated Spurious Emissions Measurement

5.8.1. Test Limit

Spurious emission limits. Emissions outside of the Out of Band Emissions listed in paragraphs (e)(7)(i) through (e)(7)(iii) 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
9 kHz - 150 kHz	-36 dBm	1 kHz
150 kHz - 30 MHz	-36 dBm	10 kHz
30 MHz - 1 GHz	-36 dBm	F_c + 2.5 B ≤ f ≤ F_c + 4 B: 1 kHz F_c + 4 B < f ≤ F_c + 10 B: 10 kHz f > F_c + 10 B: 100 kHz f < F_c - 10 B: 100 kHz F_c - 10 B ≤ f < F_c - 4 B: 10 kHz F_c - 4 B ≤ f ≤ F_c - 2.5 B: 1 kHz
Except:		
47 MHz to 74 MHz 87.5 MHz to 118 MHz	-54 dBm	100 kHz
174 MHz to 230 MHz 470 MHz to 862 MHz	-54 dBm	F_c + 2.5 B ≤ f ≤ F_c + 4 B: 1 kHz F_c + 4 B < f ≤ F_c + 10 B: 10 kHz f > F_c + 10 B: 100 kHz f < F_c - 10 B: 100 kHz F_c - 10 B ≤ f < F_c - 4 B: 10 kHz F_c - 4 B ≤ f ≤ F_c - 2.5 B: 1 kHz
1 GHz < f ≤ F_{upper}	-30 dBm	F_c + 2.5 B ≤ f ≤ F_c + 10 B: 30 kHz F_c + 10 B < f ≤ F_c + 12 B: 300 kHz f > F_c + 12 B: 1 MHz f < F_c - 12 B: 1 MHz F_c - 12 B ≤ f < F_c - 10 B: 300 kHz F_c - 10 B ≤ f ≤ F_c - 2.5 B: 30 kHz
With B being the Declared Channel Bandwidth. F_{upper} is defined in table 2.		

Table 2: 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	1 GHz
100 MHz - 300 MHz	9 kHz	10th harmonic of the operating frequency
300 MHz - 600 MHz	30 MHz	3 GHz
600 MHz - 3 GHz	30 MHz	5th harmonic of the operating frequency

5.8.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.4.4

5.8.3. Test Setting

Table 3 - RBW as a function of frequency

Frequency	RBW
30 ~ 1000 MHz	100 kHz
1000 ~ 7000 MHz	1 MHz

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

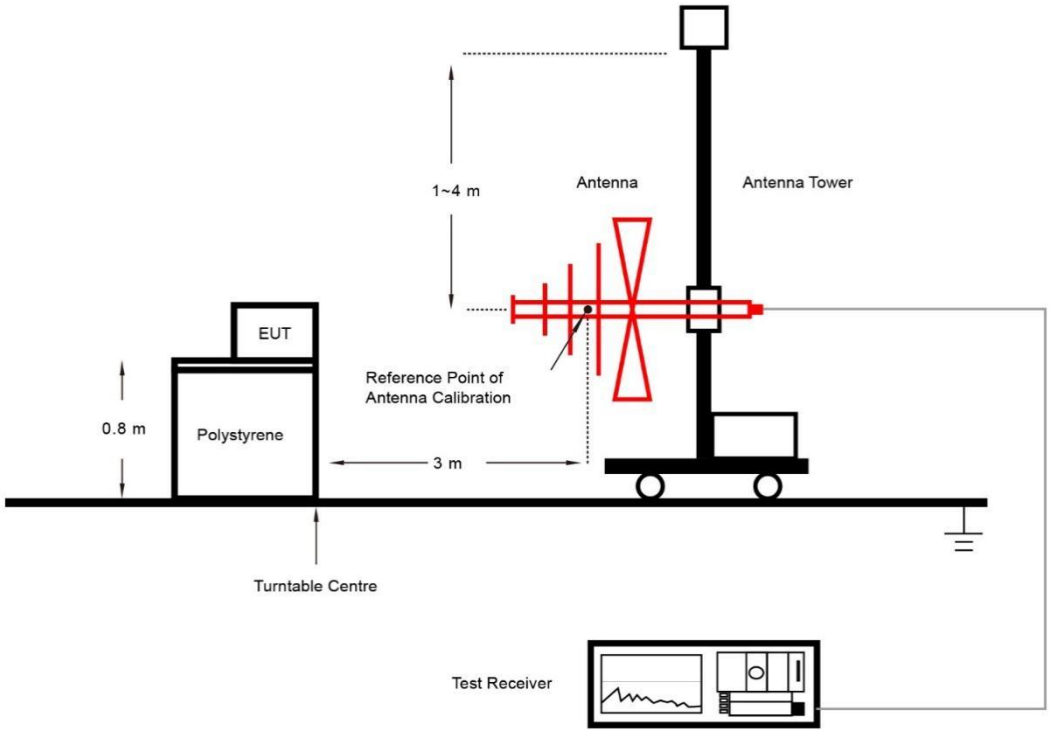
Compliance with the emission limits shall be demonstrated using an RMS Average detector.

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

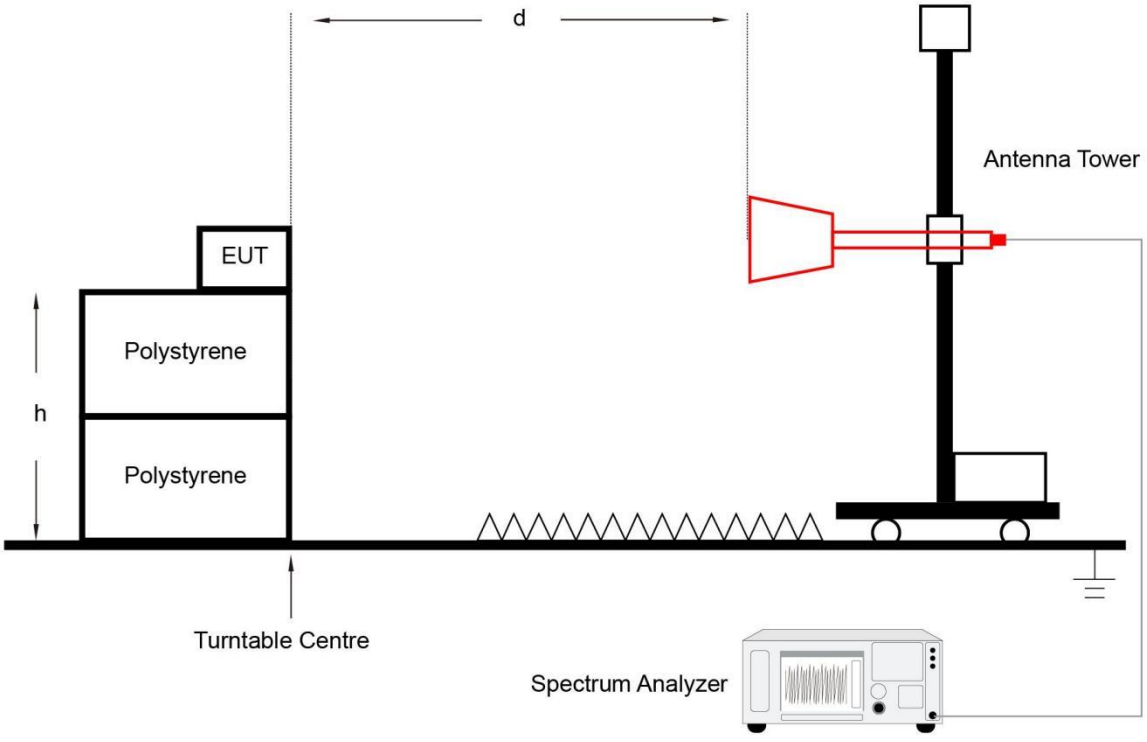
At each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.8.4. Test Setup

Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



d=Substitution Distance ; h=EUT Height

5.8.5. Test Result

Refer to Appendix A.5.

Appendix A - Test Result

A.1 RF Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-02	Test Mode	Mode 1 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		EIRP (dBm)		Limit (dBm)	Test Result
	Port A	Port B	Port A	Port B		
100/8 mW Power Level						
606.000	19.78	19.91	--	--	≤ 23.98	Pass
607.875	19.71	19.91	--	--	≤ 23.98	Pass
653.125	8.61	7.78	8.91	8.08	≤ 13.01	Pass
656.975	8.58	8.61	8.88	8.91	≤ 13.01	Pass

Note 1: Limit = 10 × Log (250 mW) = 23.98 (dBm).

Note 2: Limit = 10 × Log (20 mW) = 13.01 (dBm).

Note 3: EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-02	Test Mode	Mode 1 Single Port A with AD8C

Frequency (MHz)	Conducted Output Power (dBm)	EIRP (dBm)	Limit (dBm)	Test Result
100/8 mW Power Level				
606.000	18.11	--	≤ 23.98	Pass
607.875	18.07	--	≤ 23.98	Pass
653.125	7.96	8.26	≤ 13.01	Pass
656.975	7.83	8.13	≤ 13.01	Pass

Note 1: Limit = 10 × Log (250 mW) = 23.98 (dBm).

Note 2: Limit = 10 × Log (20 mW) = 13.01 (dBm).

Note 3: EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-02	Test Mode	Mode 1 Multi Ports

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B				
100/8 mW Power Level						
606.000	19.78	19.91	22.86	--	≤ 23.98	Pass
607.875	19.71	19.91	22.82	--	≤ 23.98	Pass
653.125	8.61	7.78	11.23	11.53	≤ 13.01	Pass
656.975	8.58	8.61	11.61	11.91	≤ 13.01	Pass

Note 1: Limit = 10 × Log (250 mW) = 23.98 (dBm).

Note 2: Limit = 10 × Log (20 mW) = 13.01 (dBm).

Note 3: Total Conducted Output Power (dBm) = 10 × log{$10^{(\text{Port A}/10)}$ + $10^{(\text{Port B}/10)}$} (dBm).

Note 4: Total EIRP (dBm) = Total Conducted Output Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-02	Test Mode	Mode 2

Frequency (MHz)		Conducted Output Power (dBm)	EIRP (dBm)	Limit (dBm)	Test Result
F1	F2				
20/8 mW Power Level					
606.000	606.350	17.09	--	≤ 23.98	Pass
607.875	607.525	17.02	--	≤ 23.98	Pass
653.125	653.475	12.59	12.89	≤ 13.01	Pass
656.975	656.625	12.91	13.21	≤ 13.01	Pass

Note 1: Limit = 10 × Log (250 mW) = 23.98 (dBm).

Note 2: Limit = 10 × Log (20 mW) = 13.01 (dBm).

Note 3: EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-02	Test Mode	Mode 2 with AD8C

Frequency (MHz)		Conducted Output Power	EIRP	Limit	Test
F1	F2	(dBm)	(dBm)	(dBm)	Result
20/8 mW Power Level					
606.000	606.350	13.35	--	≤ 23.98	Pass
607.875	607.525	13.35	--	≤ 23.98	Pass
653.125	653.475	9.12	9.42	≤ 13.01	Pass
656.975	656.625	9.44	9.74	≤ 13.01	Pass

Note 1: Limit = 10 × Log (250 mW) = 23.98 (dBm).

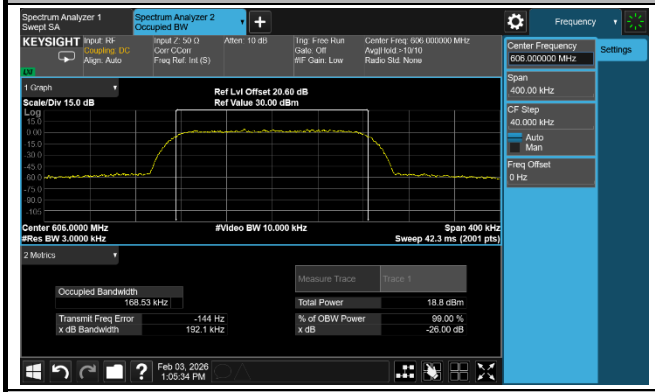
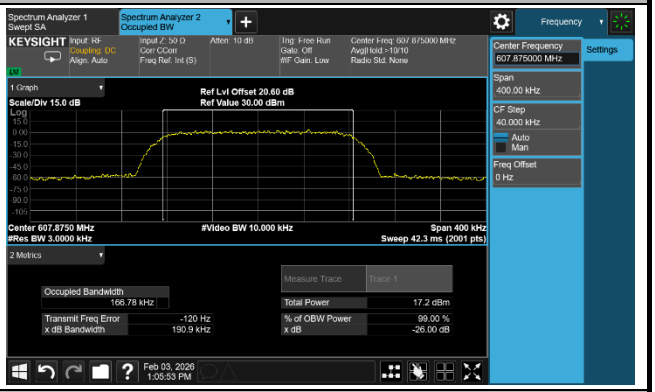
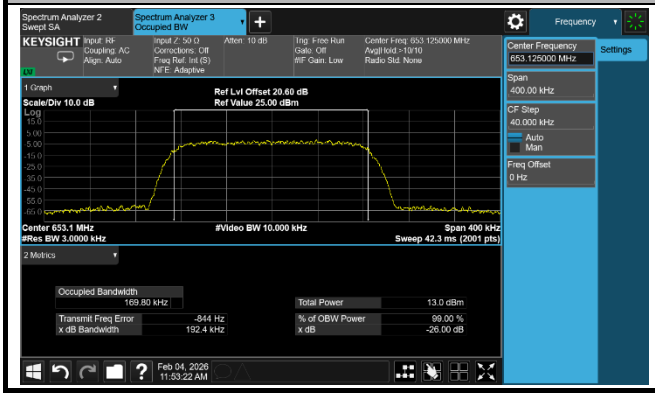
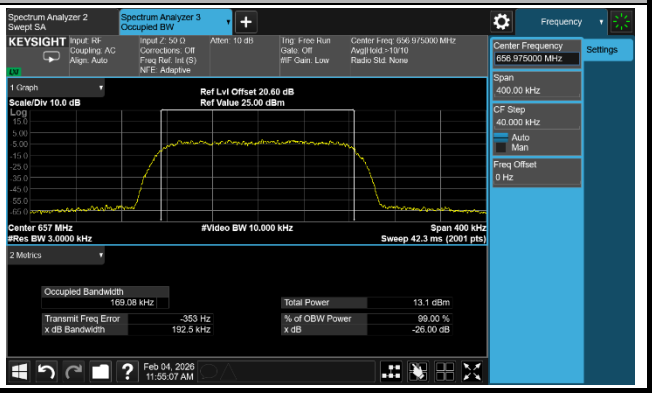
Note 2: Limit = 10 × Log (20 mW) = 13.01 (dBm).

Note 3: EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi).

A.2 99% Occupied Bandwidth Test Result

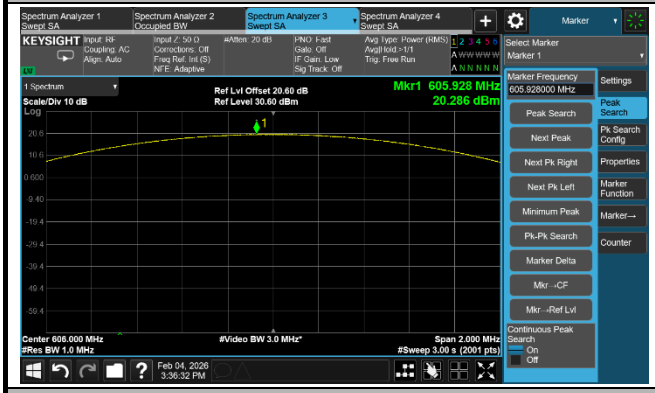
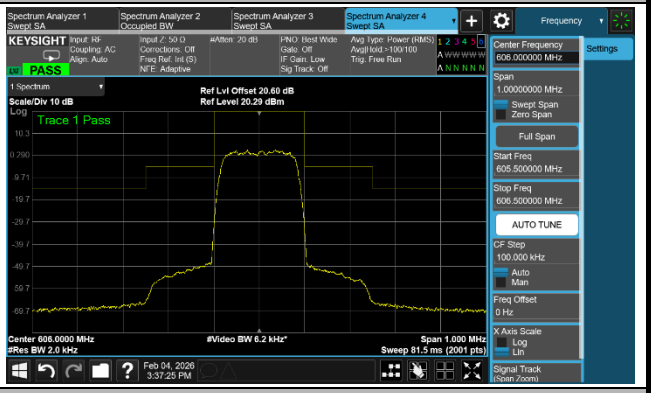
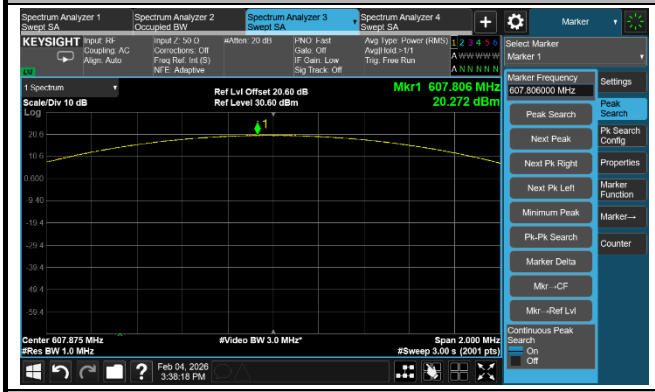
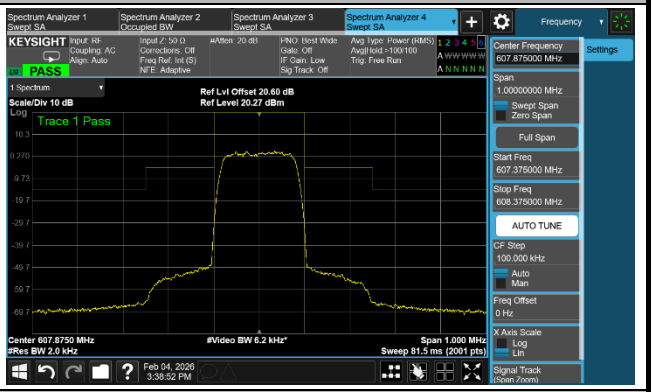
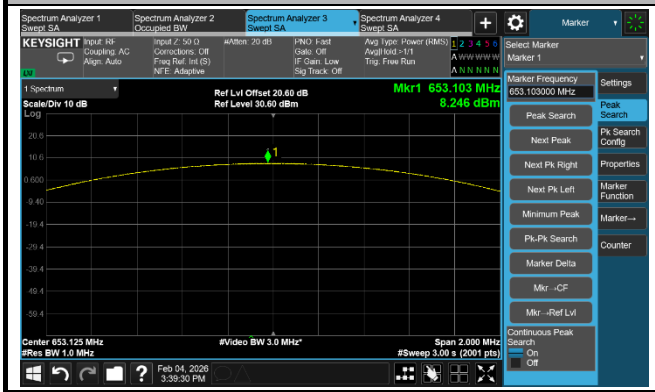
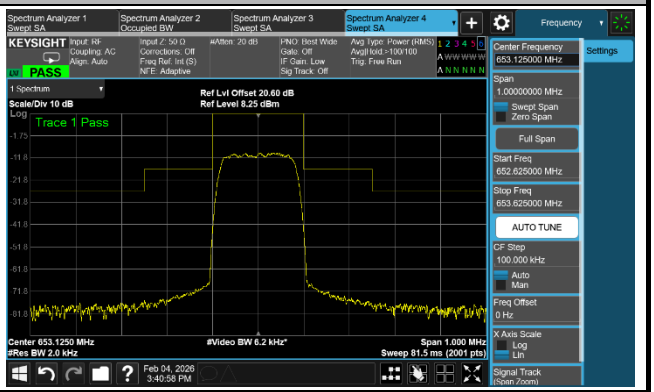
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-03 ~ 2026-02-04	Test Mode	Mode 1

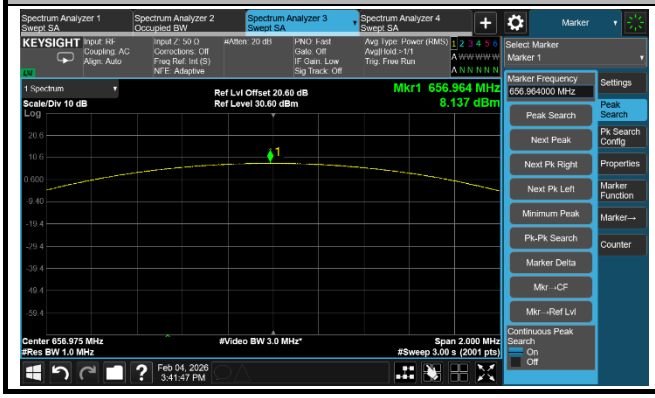
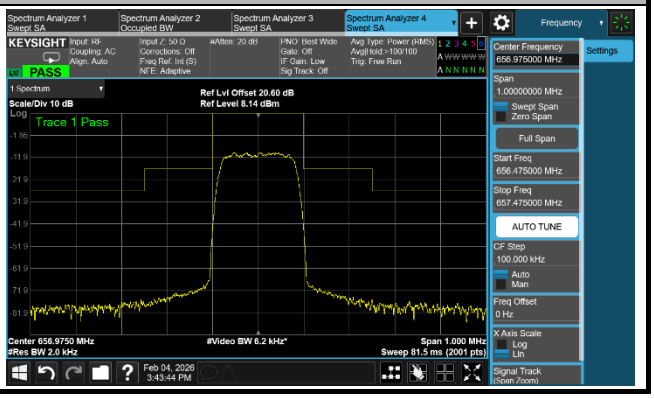
Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
606.000	168.53	< 200	Pass
607.875	166.78	< 200	Pass
653.125	169.80	< 200	Pass
656.975	169.08	< 200	Pass

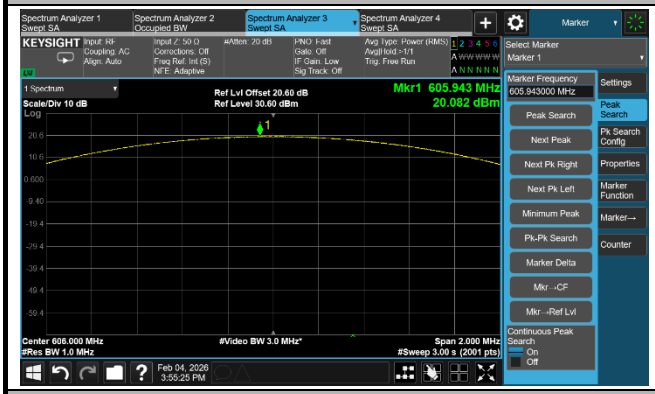
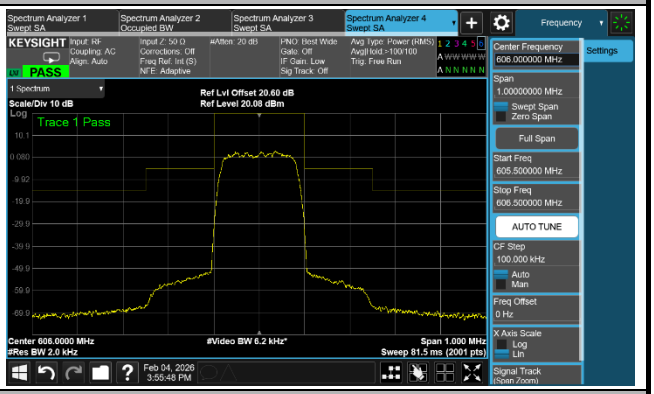
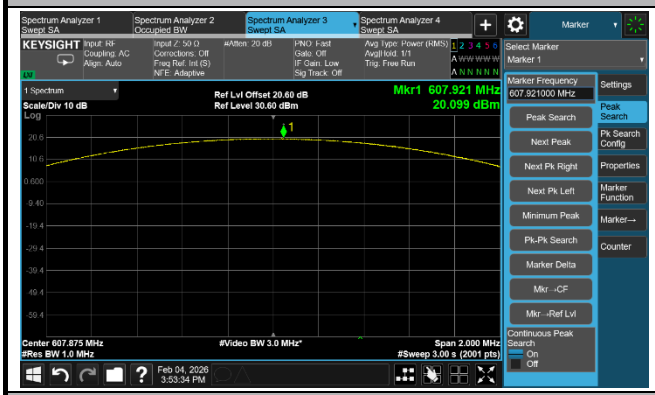
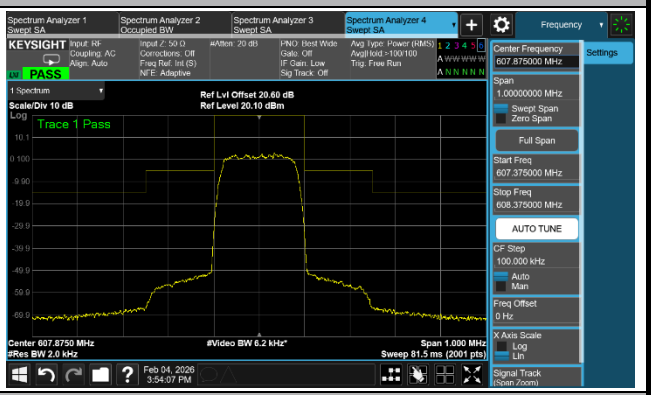
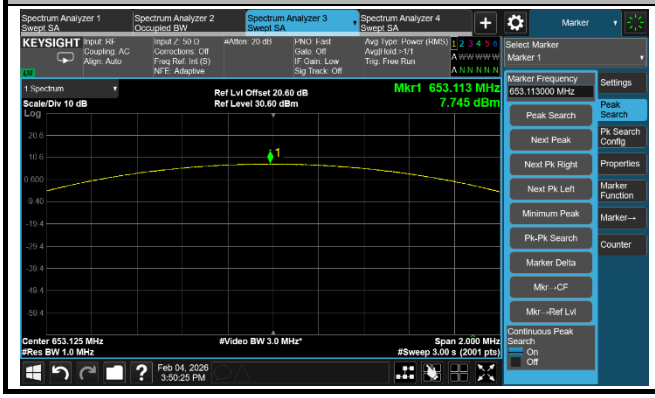
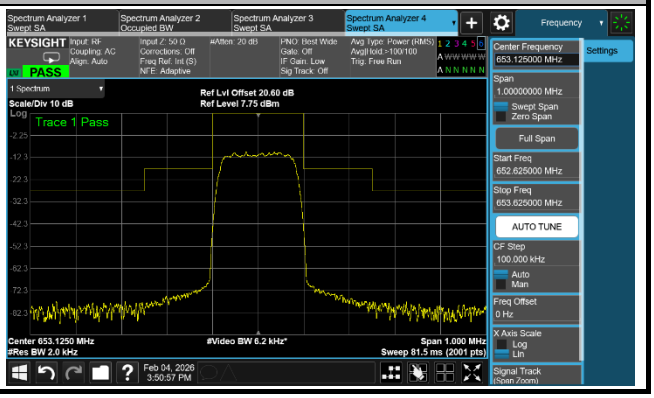
99% Occupied Bandwidth	
606.000 MHz	607.875 MHz
	
653.125 MHz	656.975 MHz
	

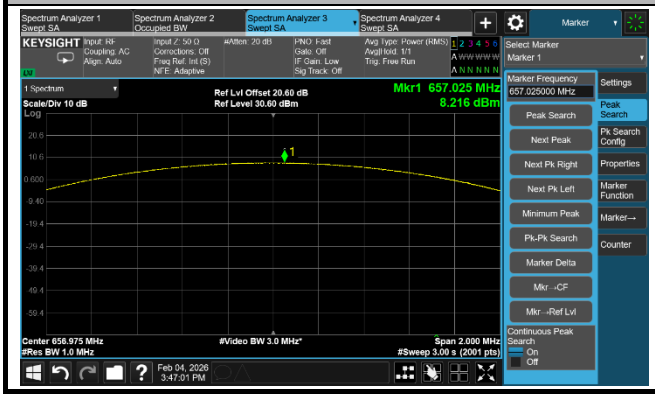
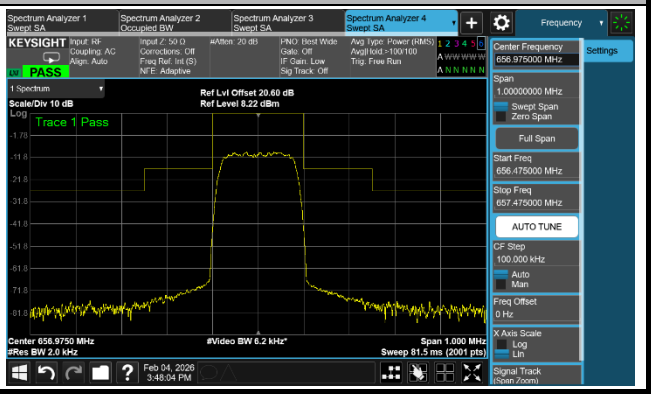
A.3 Out of Band Emission Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-04	Test Mode	Mode 1

Port A	
Channel 606.000 MHz	
Reference Level	Out of Band Emission
	
Channel 607.875 MHz	
Reference Level	Out of Band Emission
	
Channel 653.125 MHz	
Reference Level	Out of Band Emission
	

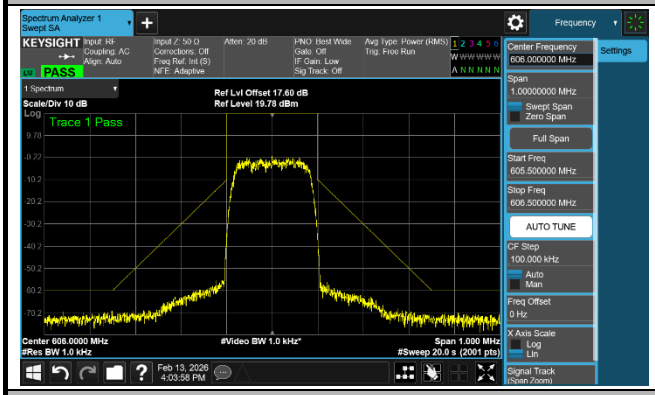
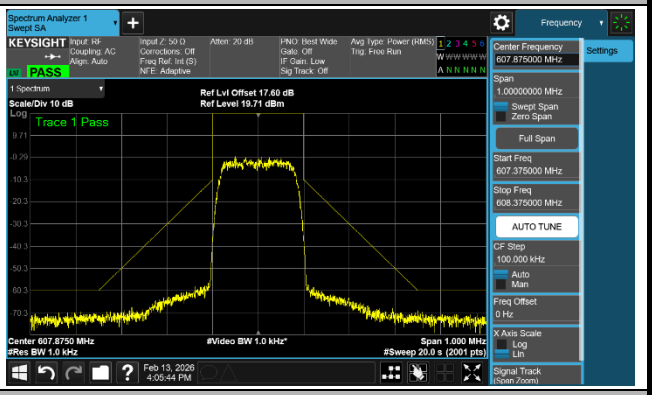
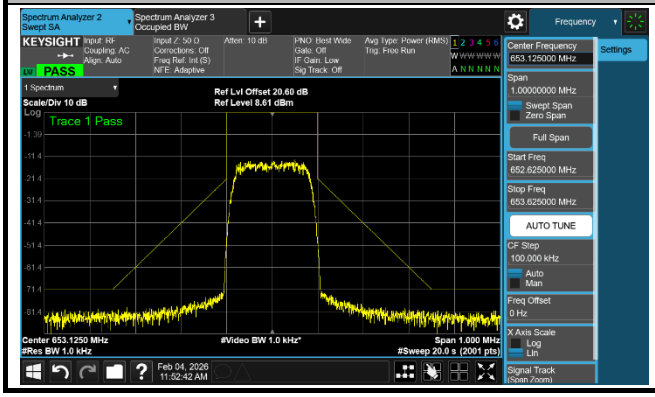
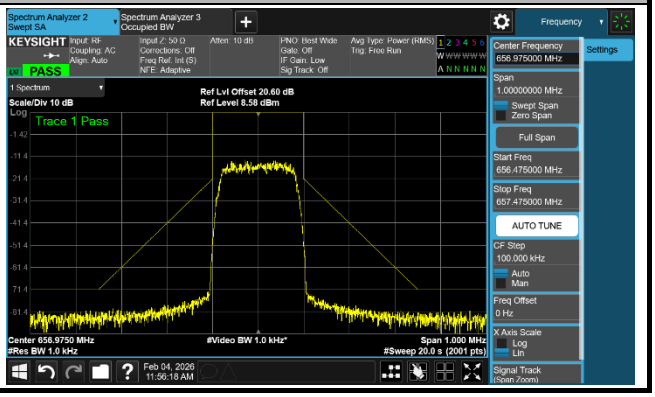
Port A	
Channel 656.975 MHz	
Reference Level	Out of Band Emission
	

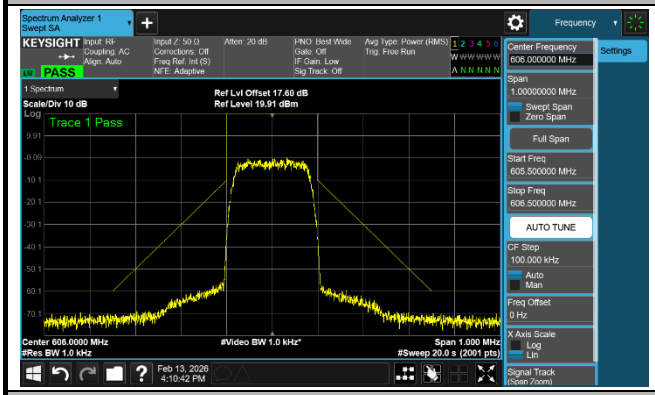
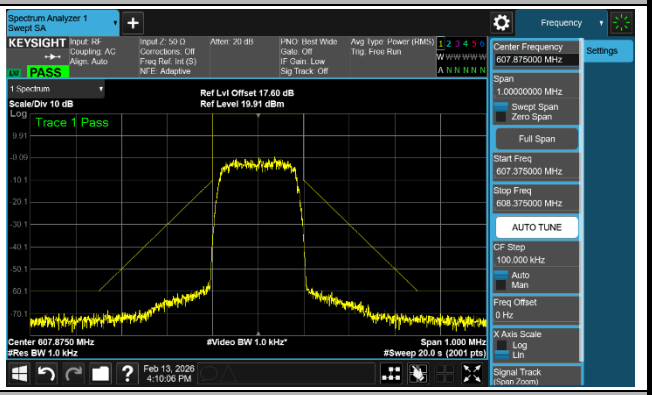
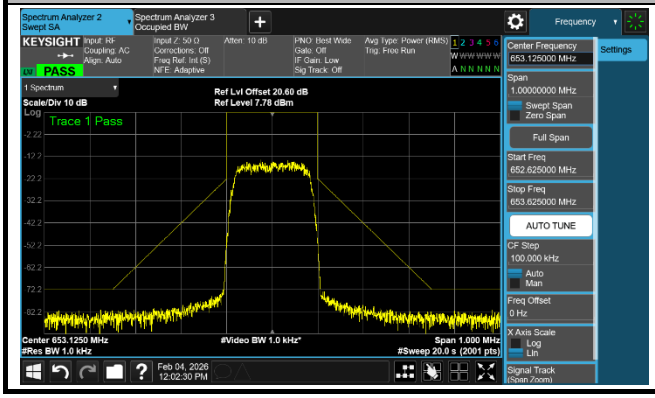
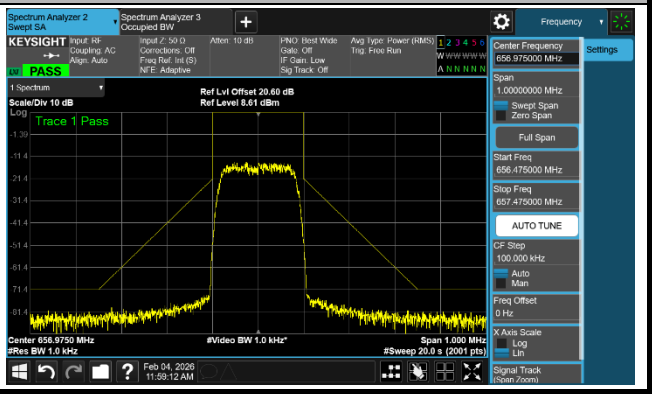
Port B	
Channel 606.000 MHz	
Reference Level	Out of Band Emission
	
Channel 607.875 MHz	
Reference Level	Out of Band Emission
	
Channel 653.125 MHz	
Reference Level	Out of Band Emission
	

Port B	
Channel 656.975 MHz	
Reference Level	Out of Band Emission
	

A.4 Emission Mask Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-04 ~ 2026-02-13	Test Mode	Mode 1

Port A	
Channel 606.000 MHz	Channel 607.875 MHz
	
Channel 653.125 MHz	Channel 656.975 MHz
	

Port B	
Channel 606.000 MHz	Channel 607.875 MHz
	
Channel 653.125 MHz	Channel 656.975 MHz
	

A.5 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Dick Shen & Jerry Lu
Test Date	2026-02-04	Test Mode	Mode 1 Port A

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000	606.08	-97.85	32.21	-65.64	-54.00	-11.64	Peak	Horizontal
	773.21	-98.76	34.46	-64.30	-54.00	-10.30	Peak	Horizontal
	488.13	-102.20	33.57	-68.63	-54.00	-14.63	RMS	Vertical
	581.93	-103.27	34.43	-68.84	-54.00	-14.84	RMS	Vertical
	1212.40	-50.48	6.91	-43.57	-30.00	-13.57	Peak	Horizontal
	6973.00	-72.69	19.97	-52.72	-30.00	-22.72	Peak	Horizontal
	1212.40	-59.61	6.54	-53.07	-30.00	-23.07	Peak	Vertical
	6608.20	-71.90	18.36	-53.54	-30.00	-23.54	Peak	Vertical
607.875	183.84	-100.31	24.19	-76.12	-54.00	-22.12	Peak	Horizontal
	817.25	-100.92	35.42	-65.50	-54.00	-11.50	Peak	Horizontal
	486.58	-100.29	33.48	-66.81	-54.00	-12.81	RMS	Vertical
	577.47	-103.15	34.38	-68.77	-54.00	-14.77	RMS	Vertical
	1216.00	-52.97	7.03	-45.94	-30.00	-15.94	Peak	Horizontal
	6955.60	-73.01	19.91	-53.10	-30.00	-23.10	Peak	Horizontal
	1216.00	-59.69	6.63	-53.06	-30.00	-23.06	Peak	Vertical
	6907.00	-72.89	19.46	-53.43	-30.00	-23.43	Peak	Vertical
653.125	224.58	-103.55	26.92	-76.63	-54.00	-22.63	Peak	Horizontal
	766.81	-99.39	34.32	-65.07	-54.00	-11.07	Peak	Horizontal
	483.09	-103.97	33.41	-70.56	-54.00	-16.56	RMS	Vertical
	561.37	-94.31	34.23	-60.08	-54.00	-6.08	Peak	Vertical
	4795.60	-69.13	14.39	-54.74	-30.00	-24.74	Peak	Horizontal
	6978.40	-73.12	19.99	-53.13	-30.00	-23.13	Peak	Horizontal
	4811.20	-70.19	14.12	-56.07	-30.00	-26.07	Peak	Vertical
	6999.40	-72.91	19.94	-52.97	-30.00	-22.97	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
656.975	223.61	-101.72	26.77	-74.95	-54.00	-20.95	Peak	Horizontal
	773.41	-99.15	34.47	-64.68	-54.00	-10.68	Peak	Horizontal
	478.53	-93.34	33.24	-60.10	-54.00	-6.10	Peak	Vertical
	562.34	-94.52	34.25	-60.27	-54.00	-6.27	Peak	Vertical
	4783.00	-70.33	14.49	-55.84	-30.00	-25.84	Peak	Horizontal
	6899.20	-72.55	19.95	-52.60	-30.00	-22.60	Peak	Horizontal
	4820.80	-70.24	14.20	-56.04	-30.00	-26.04	Peak	Vertical
	6911.80	-72.61	19.49	-53.12	-30.00	-23.12	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	Jerry Lu
Test Date	2026-02-04	Test Mode	Mode 1 Port B

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000	201.30	-102.11	25.56	-76.55	-54.00	-22.55	Peak	Horizontal
	729.37	-97.62	33.89	-63.73	-54.00	-9.73	Peak	Horizontal
	488.33	-101.35	33.58	-67.77	-54.00	-13.77	RMS	Vertical
	559.14	-101.43	34.16	-67.27	-54.00	-13.27	RMS	Vertical
	1212.40	-58.80	6.91	-51.89	-30.00	-21.89	Peak	Horizontal
	6999.40	-72.84	20.07	-52.77	-30.00	-22.77	Peak	Horizontal
	1212.40	-60.01	6.54	-53.47	-30.00	-23.47	Peak	Vertical
	6687.40	-72.22	19.06	-53.16	-30.00	-23.16	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	Dick Shen
Test Date	2026-02-04	Test Mode	Mode 1

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000 + 606.350	768.07	-97.25	34.34	-62.91	-54.00	-8.91	Peak	Horizontal
	846.35	-97.65	35.80	-61.85	-54.00	-7.85	Peak	Horizontal
	487.94	-100.38	33.56	-66.82	-54.00	-12.82	RMS	Vertical
	563.50	-101.10	34.23	-66.87	-54.00	-12.87	RMS	Vertical
	1212.40	-48.67	6.91	-41.76	-30.00	-11.76	Peak	Horizontal
	6991.00	-73.19	20.04	-53.15	-30.00	-23.15	Peak	Horizontal
	1212.40	-55.49	6.54	-48.95	-30.00	-18.95	Peak	Vertical
	7000.00	-73.23	19.94	-53.29	-30.00	-23.29	Peak	Vertical
607.875 + 607.525	760.22	-96.95	34.12	-62.83	-54.00	-8.83	Peak	Horizontal
	847.52	-97.15	35.72	-61.43	-54.00	-7.43	Peak	Horizontal
	538.47	-101.39	33.66	-67.73	-54.00	-13.73	RMS	Vertical
	561.37	-101.21	34.23	-66.98	-54.00	-12.98	RMS	Vertical
	1216.00	-47.82	7.03	-40.79	-30.00	-10.79	Peak	Horizontal
	1823.80	-60.38	6.43	-53.95	-30.00	-23.95	Peak	Horizontal
	1216.00	-56.38	6.63	-49.75	-30.00	-19.75	Peak	Vertical
	1823.80	-63.67	6.11	-57.56	-30.00	-27.56	Peak	Vertical
653.125 + 653.475	742.85	-97.49	33.91	-63.58	-54.00	-9.58	Peak	Horizontal
	767.49	-98.37	34.33	-64.04	-54.00	-10.04	Peak	Horizontal
	483.57	-101.24	33.41	-67.83	-54.00	-13.83	RMS	Vertical
	558.46	-102.05	34.14	-67.91	-54.00	-13.91	RMS	Vertical
	4825.60	-70.02	14.54	-55.48	-30.00	-25.48	Peak	Horizontal
	6717.40	-71.12	19.30	-51.82	-30.00	-21.82	Peak	Horizontal
	5094.40	-69.95	14.20	-55.75	-30.00	-25.75	Peak	Vertical
	6968.80	-73.09	19.78	-53.31	-30.00	-23.31	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
656.975 + 656.625	736.26	-98.31	34.03	-64.28	-54.00	-10.28	Peak	Horizontal
	773.02	-98.84	34.45	-64.39	-54.00	-10.39	Peak	Horizontal
	496.28	-101.21	33.56	-67.65	-54.00	-13.65	RMS	Vertical
	560.59	-100.65	34.21	-66.44	-54.00	-12.44	RMS	Vertical
	4821.40	-70.06	14.51	-55.55	-30.00	-25.55	Peak	Horizontal
	6970.60	-73.31	19.96	-53.35	-30.00	-23.35	Peak	Horizontal
	5106.40	-69.97	14.23	-55.74	-30.00	-25.74	Peak	Vertical
	6890.80	-72.45	19.32	-53.13	-30.00	-23.13	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	Dick Shen
Test Date	2026-02-04	Test Mode	Mode 1 with AD8C

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000 + 606.350	729.47	-100.91	33.89	-67.02	-54.00	-13.02	Peak	Horizontal
	846.35	-100.84	35.80	-65.04	-54.00	-11.04	Peak	Horizontal
	485.80	-94.22	33.43	-60.79	-54.00	-6.79	Peak	Vertical
	528.19	-94.48	33.48	-61.00	-54.00	-7.00	Peak	Vertical
	1213.00	-43.13	6.93	-36.20	-30.00	-6.20	RMS	Horizontal
	1818.40	-51.80	6.49	-45.31	-30.00	-15.31	Peak	Horizontal
	1212.40	-41.46	6.54	-34.92	-30.00	-4.92	RMS	Vertical
	1818.40	-50.64	6.15	-44.49	-30.00	-14.49	Peak	Vertical
607.875 + 607.525	711.81	-100.60	33.75	-66.85	-54.00	-12.85	Peak	Horizontal
	847.52	-100.42	35.72	-64.70	-54.00	-10.70	Peak	Horizontal
	487.45	-94.92	33.53	-61.39	-54.00	-7.39	Peak	Vertical
	559.91	-95.38	34.18	-61.20	-54.00	-7.20	Peak	Vertical
	1215.40	-43.22	7.01	-36.21	-30.00	-6.21	RMS	Horizontal
	1823.80	-55.96	6.43	-49.53	-30.00	-19.53	Peak	Horizontal
	1216.00	-42.52	6.63	-35.89	-30.00	-5.89	RMS	Vertical
	1823.80	-51.40	6.11	-45.29	-30.00	-15.29	Peak	Vertical
653.125 + 653.475	690.67	-99.43	33.95	-65.48	-54.00	-11.48	Peak	Horizontal
	797.17	-100.67	35.14	-65.53	-54.00	-11.53	Peak	Horizontal
	482.41	-95.46	33.40	-62.06	-54.00	-8.06	Peak	Vertical
	534.79	-97.09	33.55	-63.54	-54.00	-9.54	Peak	Vertical
	1306.60	-61.86	7.78	-54.08	-30.00	-24.08	Peak	Horizontal
	6973.00	-73.01	19.97	-53.04	-30.00	-23.04	Peak	Horizontal
	1306.60	-62.97	8.01	-54.96	-30.00	-24.96	Peak	Vertical
	6986.80	-73.05	19.87	-53.18	-30.00	-23.18	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
656.975 + 656.625	730.05	-101.78	33.91	-67.87	-54.00	-13.87	Peak	Horizontal
	848.78	-102.86	35.66	-67.20	-54.00	-13.20	Peak	Horizontal
	497.83	-95.47	33.56	-61.91	-54.00	-7.91	Peak	Vertical
	525.96	-95.24	33.43	-61.81	-54.00	-7.81	Peak	Vertical
	1313.80	-59.96	7.94	-52.02	-30.00	-22.02	Peak	Horizontal
	6710.20	-72.20	19.41	-52.79	-30.00	-22.79	Peak	Horizontal
	1314.40	-61.13	7.93	-53.20	-30.00	-23.20	Peak	Vertical
	6982.60	-72.77	19.85	-52.92	-30.00	-22.92	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	Dick Shen
Test Date	2026-02-04	Test Mode	Mode 2

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000 + 606.350	210.13	-102.47	25.04	-77.43	-54.00	-23.43	Peak	Horizontal
	775.54	-96.91	34.52	-62.39	-54.00	-8.39	Peak	Horizontal
	479.98	-97.75	33.31	-64.44	-54.00	-10.44	RMS	Vertical
	555.93	-103.96	34.10	-69.86	-54.00	-15.86	RMS	Vertical
	4829.80	-70.86	14.57	-56.29	-30.00	-26.29	Peak	Horizontal
	6389.80	-70.80	17.50	-53.30	-30.00	-23.30	Peak	Horizontal
	4800.40	-68.86	14.04	-54.82	-30.00	-24.82	Peak	Vertical
	6885.40	-71.80	19.26	-52.54	-30.00	-22.54	Peak	Vertical
607.875 + 607.525	227.69	-102.12	27.40	-74.72	-54.00	-20.72	Peak	Horizontal
	816.86	-98.59	35.41	-63.18	-54.00	-9.18	Peak	Horizontal
	479.11	-97.48	33.28	-64.20	-54.00	-10.20	RMS	Vertical
	578.24	-102.43	34.41	-68.02	-54.00	-14.02	RMS	Vertical
	1215.40	-64.59	7.01	-57.58	-30.00	-27.58	Peak	Horizontal
	6903.40	-72.36	19.96	-52.40	-30.00	-22.40	Peak	Horizontal
	4810.60	-70.05	14.12	-55.93	-30.00	-25.93	Peak	Vertical
	6674.80	-72.44	18.94	-53.50	-30.00	-23.50	Peak	Vertical
653.125 + 653.475	204.99	-102.61	25.22	-77.39	-54.00	-23.39	Peak	Horizontal
	763.13	-98.09	34.25	-63.84	-54.00	-9.84	Peak	Horizontal
	479.98	-98.57	33.31	-65.26	-54.00	-11.26	RMS	Vertical
	576.01	-102.16	34.31	-67.85	-54.00	-13.85	RMS	Vertical
	4789.00	-69.97	14.44	-55.53	-30.00	-25.53	Peak	Horizontal
	6667.00	-72.11	19.02	-53.09	-30.00	-23.09	Peak	Horizontal
	4780.60	-70.53	14.19	-56.34	-30.00	-26.34	Peak	Vertical
	6678.40	-72.11	18.98	-53.13	-30.00	-23.13	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
656.975 + 656.625	215.66	-101.87	25.51	-76.36	-54.00	-22.36	Peak	Horizontal
	762.25	-97.70	34.23	-63.47	-54.00	-9.47	Peak	Horizontal
	473.68	-97.69	33.11	-64.58	-54.00	-10.58	RMS	Vertical
	595.90	-102.65	34.53	-68.12	-54.00	-14.12	RMS	Vertical
	4821.40	-70.62	14.51	-56.11	-30.00	-26.11	Peak	Horizontal
	5741.20	-70.25	15.55	-54.70	-30.00	-24.70	Peak	Horizontal
	5059.60	-70.04	13.82	-56.22	-30.00	-26.22	Peak	Vertical
	6962.20	-72.86	19.74	-53.12	-30.00	-23.12	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 “R26S1023017-UT” file.

Appendix C - EUT Photograph

Refer to “R26S1023017-UE” file.

The End