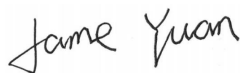




RF MEASUREMENT REPORT

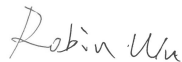
FCC ID: DD4ADTDG57
Applicant: Shure Incorporated
Product: Wireless Dual Transmitter
Model No.: ADTD G57, ADTD DC G57
Trade Mark: 
FCC Classification: Part 15 Wireless Microphone (DWM)
FCC Rule Part(s): Part 15 Subpart C (Section 15.236)
Result: Complies
Received Date: 2026-01-19
Test Date: 2026-01-30 ~ 2026-02-06

Reviewed By:



Jame Yuan

Approved By:



Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. 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-U201	V01	Initial Report	2026-03-17	Valid

Note: This product has previously obtained FCC approval (FCC ID: DD4ADTDG57). New operating modes are added via software modification, based on report No. R25S1019045-U202.

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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 FCC: CN1166
☐	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
☐	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

1.4. Product Information

Product Name	Wireless Dual Transmitter
Model No.	ADTD G57, ADTD DC G57
Serial No.	2DA31999902
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 G57 and ADTD DC G57 are completely same except power supply difference, ADTD G57 supports AC power supply, while ADTD DC G57 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	470 ~ 608 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		
470.125	539.000	607.875

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Manufacturer	Peak Gain (dBi)
Dipole	470 ~ 608	Shure	1.10

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at G57 Band by SC Narrowband (Max Power Level = 20 mW)
Mode 2: Transmit at G57 Band by SC Narrowband, combined (Max Power Level = 20 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 15.236
- KDB 206256 D01 v03
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024
- 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
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

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% ($U=2 U_c(y)$): 2.9 dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 1.4 dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.6%	

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
15.236(f)(1)	99% Occupied Bandwidth	Conducted	Pass
15.236(f)(1)(iii)	Frequency Tolerance		NP
15.236(g) (2)	Emission Mask		Pass
15.236(d)(1)	RF Output Power		Pass
15.236(g)(4)	Radiated Spurious Emission	Radiated	Pass
15.207	AC Conducted Emissions 150 kHz - 30 MHz	Line Conducted	NP

Note 1: The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

Note 2: "NP" means that the item was previously evaluated in the original test report and no additional testing is required for this modification.

5.2. 99% Occupied Bandwidth Measurement

5.2.1. Test Limit

(1) One or more adjacent 25 kHz segments within the assignable frequencies may be combined to form a channel whose maximum bandwidth shall not exceed 200 kHz. The operating bandwidth shall not exceed 200 kHz.

(2) A wireless multichannel audio system may have an operating bandwidth not exceeding 6 megahertz and must have a mode of operation in which it is capable of operating with at least three audio channels per megahertz. For wireless multichannel audio systems operating in the TV bands (channels 2-36), the 6 megahertz (or less) channel must fall entirely within a single TV channel.

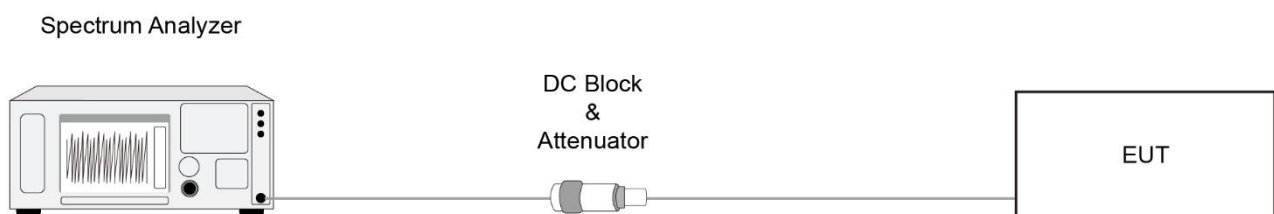
5.2.2. Test Procedure

ANSI C63.10-2020 - Section 6.9.3

5.2.3. Test Setting

1. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
2. Set RBW $\geq$ 1% to 5% of the OBW
3. VBW = Approximately three times RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

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 carrier signal shall be maintained within $\pm 0.005\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. Battery operated equipment shall be tested using a new battery.

5.3.2. Test Procedure

ANSI C63.10-2020 - Section 6.8

5.3.3. Test Setting

The EUT was programmed to transmit with an unmodulated carrier.

Frequency Stability Under Temperature Variations:

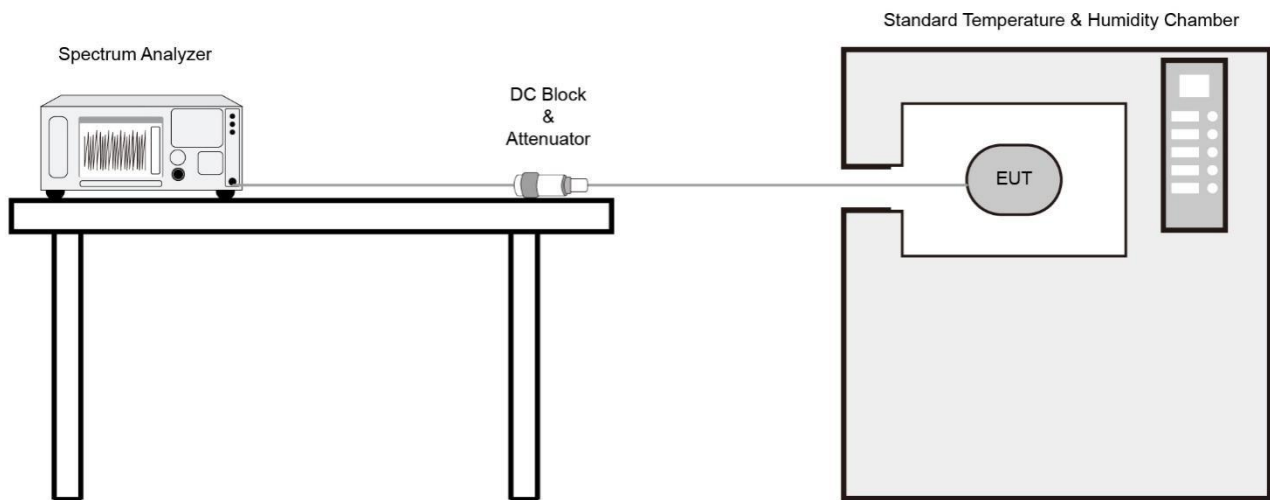
The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20 °C operating frequency as reference frequency. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made. 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 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 ($\pm 15\%$) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

NP

5.4. Emission Mask Measurement

5.4.1. Test Limit

(1) 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 § 15.38).

(2) 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 § 15.38).

(3) 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 § 15.38).

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

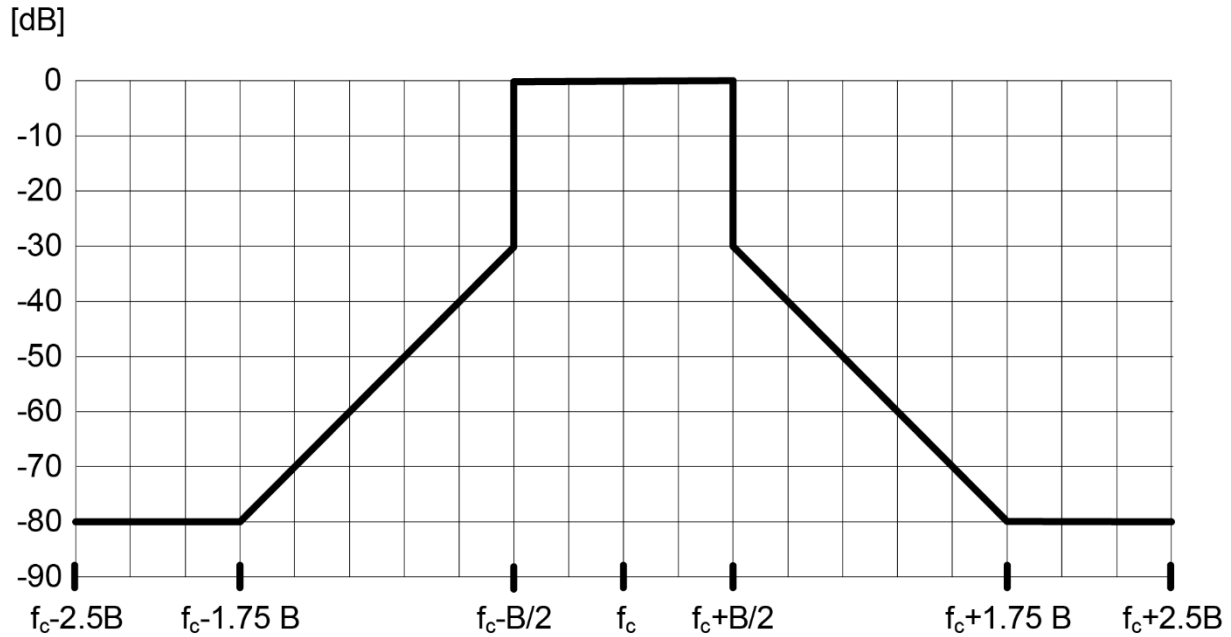


Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

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.

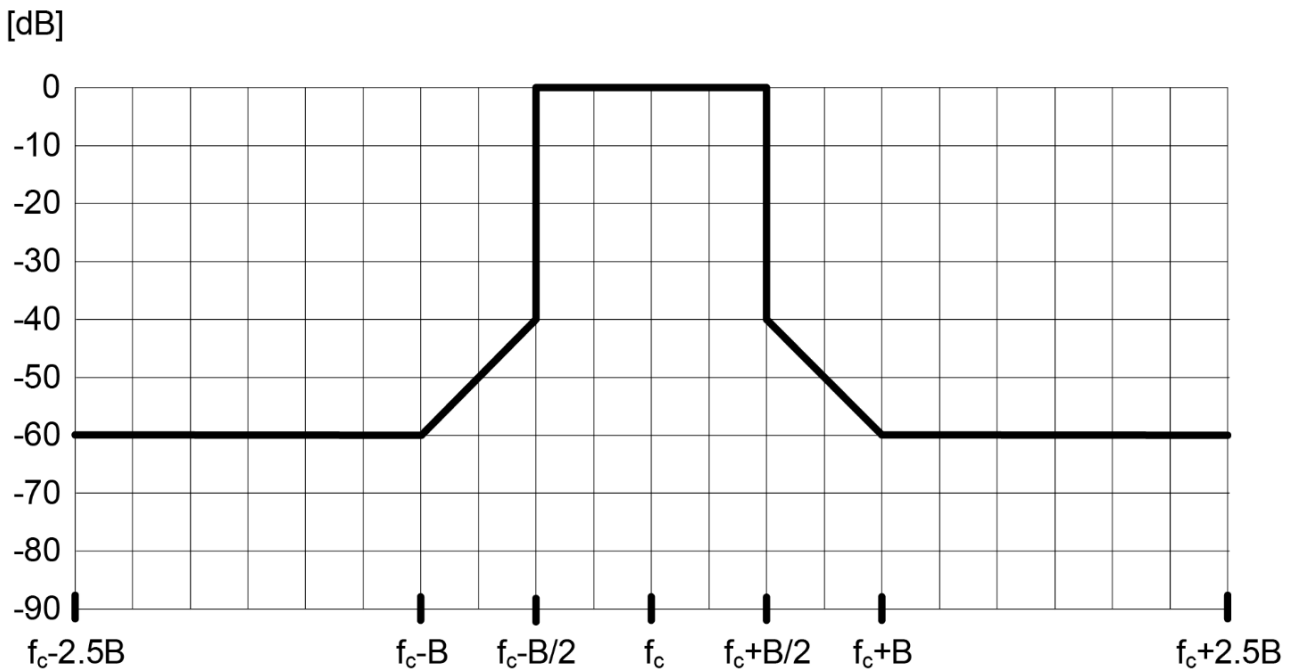


Figure 3: Transmit spectral power mask for WMAS, RBW = 100 kHz

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.

Table 1: Correction Factor for different B and applicable RBW

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

5.4.2. Test Procedure

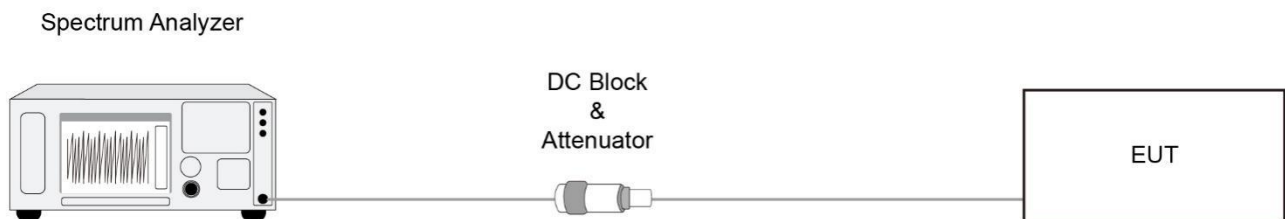
EN 300 422-1 V2.2.1 clause 5.4.3.2.

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.2.

5.5. Output Power Measurement

5.5.1. Test Limit

(1) In the bands allocated and assigned for broadcast television:

- (i) Wireless microphones: 50 mW EIRP.
 - (ii) Wireless multichannel audio systems with a bandwidth up to 1 MHz: 50 mW EIRP.
 - (iii) Wireless multichannel audio systems with a bandwidth greater than 1 MHz: 100 mW EIRP.
- (2) In the 600 MHz guard band and the 600 MHz duplex gap: 20 mW EIRP.

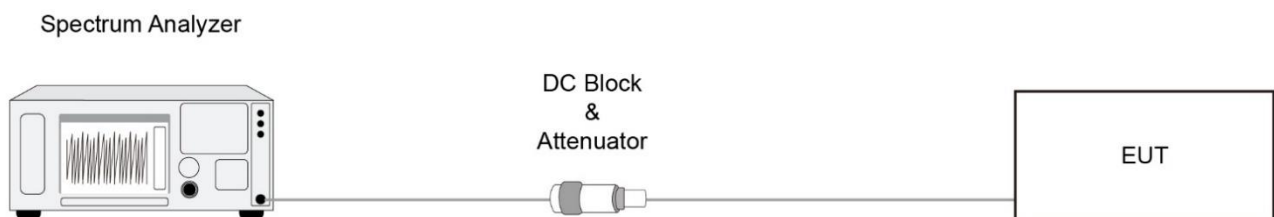
5.5.2. Test Procedure

EN 300 422-1 V2.2.1 clause 5.4.1.2

5.5.3. Test Setting

1. Centre Frequency = f_c
2. Span = $10 \times B$
3. RBW $\geq 2.5 \times B$
4. VBW $\geq$ RBW
5. Sweep Points ≥ 101
6. Detector = RMS
7. Trace Mode = Clear Write
8. Measurement Time = Sweep Points $\times$ 100 ms
9. Sweep Time = Measurement Time
10. Sweep Mode = Single sweep
11. When the sweep has finished, use a marker to find the PEAK of the displayed trace. This value denotes the maximum RF output power

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.3.

5.6. Radiated Spurious Emission Measurement

5.6.1. Test Limit

Spurious emission limits. Emissions outside of the emission masks listed in paragraphs (g)(1) through (g)(3) 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 § 15.38).

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	$F_c + 2.5 B \leq f \leq F_c + 4 B$: 1 kHz $F_c + 4 B < f \leq F_c + 10 B$: 10 kHz $f > F_c + 10 B$: 100 kHz $f < F_c - 10 B$: 100 kHz $F_c - 10 B \leq f < F_c - 4 B$: 10 kHz $F_c - 4 B \leq f \leq F_c - 2.5 B$: 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	$F_c + 2.5 B \leq f \leq F_c + 4 B$: 1 kHz $F_c + 4 B < f \leq F_c + 10 B$: 10 kHz $f > F_c + 10 B$: 100 kHz $f < F_c - 10 B$: 100 kHz $F_c - 10 B \leq f < F_c - 4 B$: 10 kHz $F_c - 4 B \leq f \leq F_c - 2.5 B$: 1 kHz
$1 \text{ GHz} < f \leq F_{\text{upper}}$	-30 dBm	$F_c + 2.5 B \leq f \leq F_c + 10 B$: 30 kHz $F_c + 10 B < f \leq F_c + 12 B$: 300 kHz $f > F_c + 12 B$: 1 MHz $f < F_c - 12 B$: 1 MHz $F_c - 12 B \leq f < F_c - 10 B$: 300 kHz $F_c - 10 B \leq f \leq F_c - 2.5 B$: 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

5.6.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.4.4

5.6.3. 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.

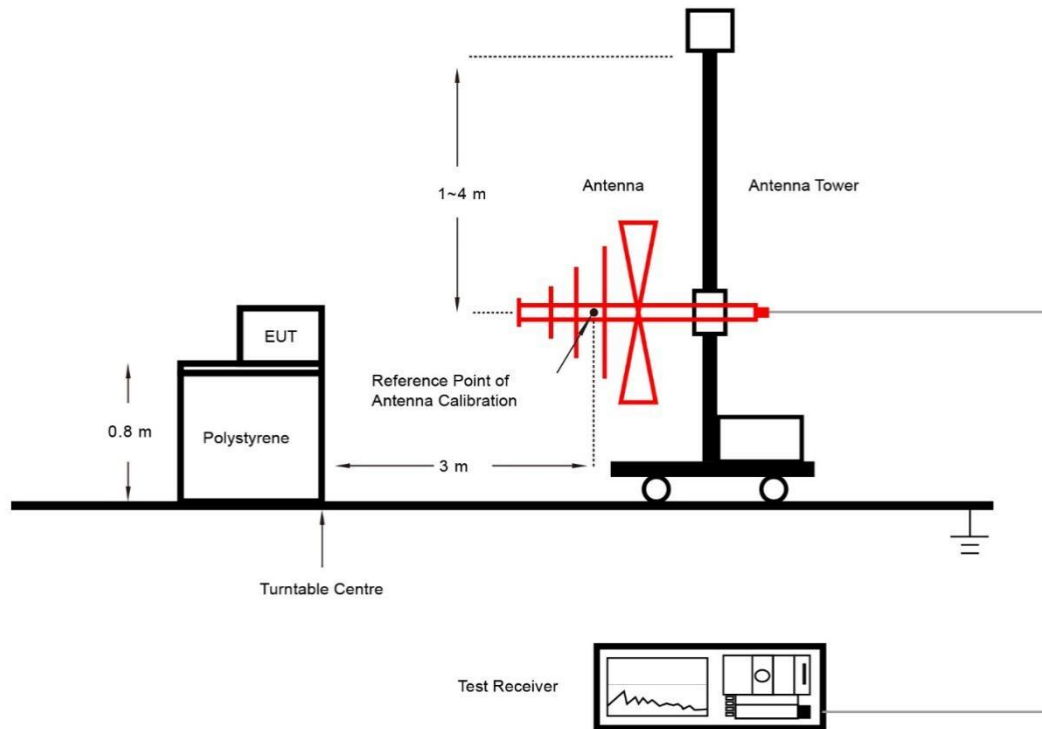
All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

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

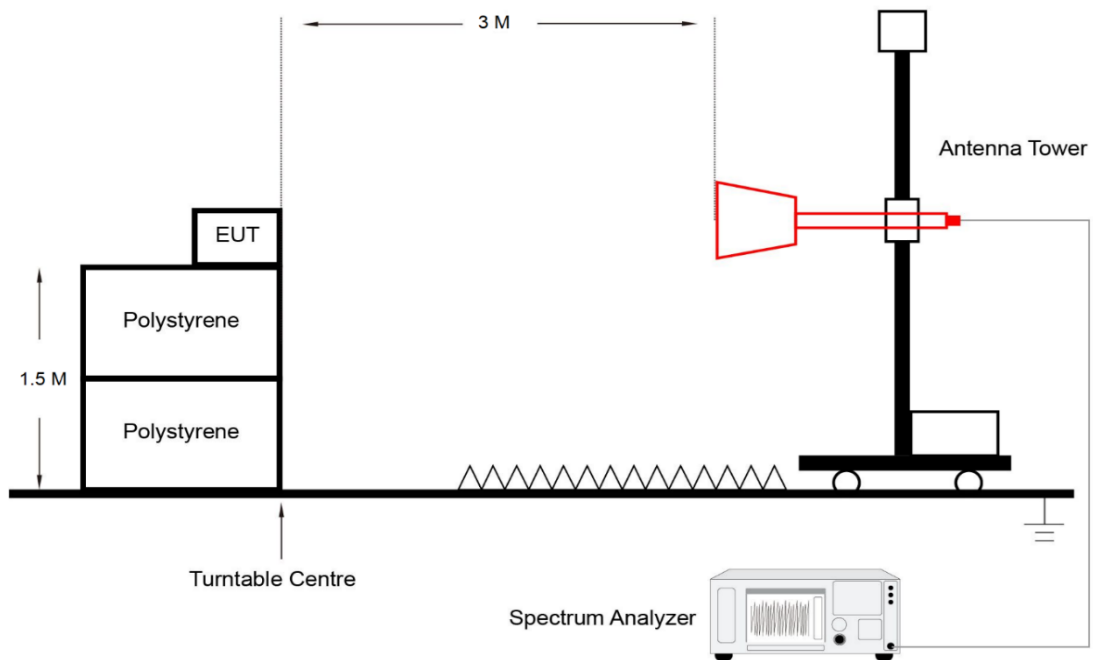
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.6.4. Test Setup

Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



5.6.5. Test Result

Refer to Appendix A.4.

5.7. AC Conducted Emissions Measurement

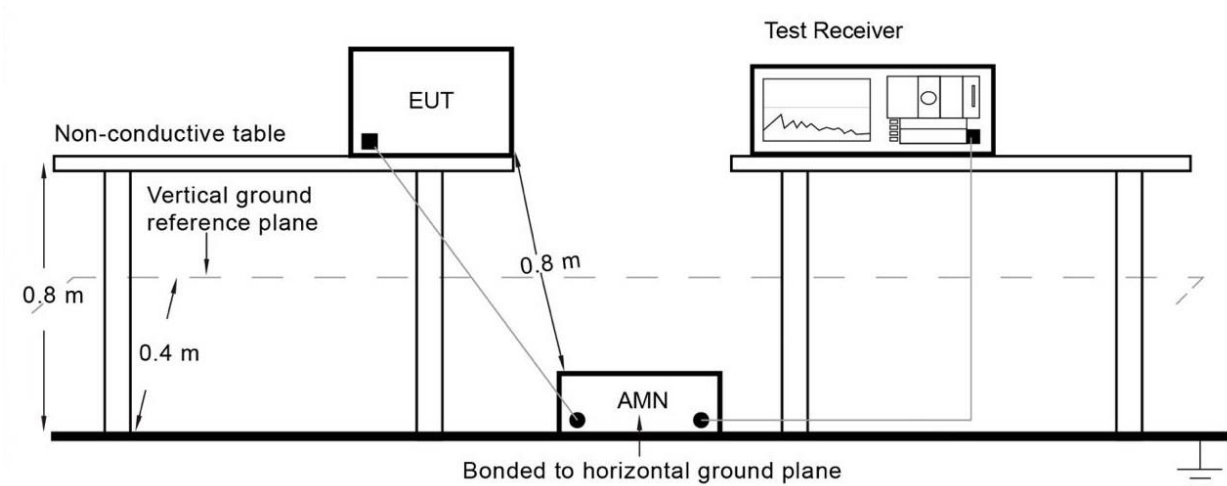
5.7.1. Test Limit

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

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

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

5.7.2. Test Setup



5.7.3. Test Result

NP

Appendix A - Test Result

A.1 99% Occupied Bandwidth Test Result

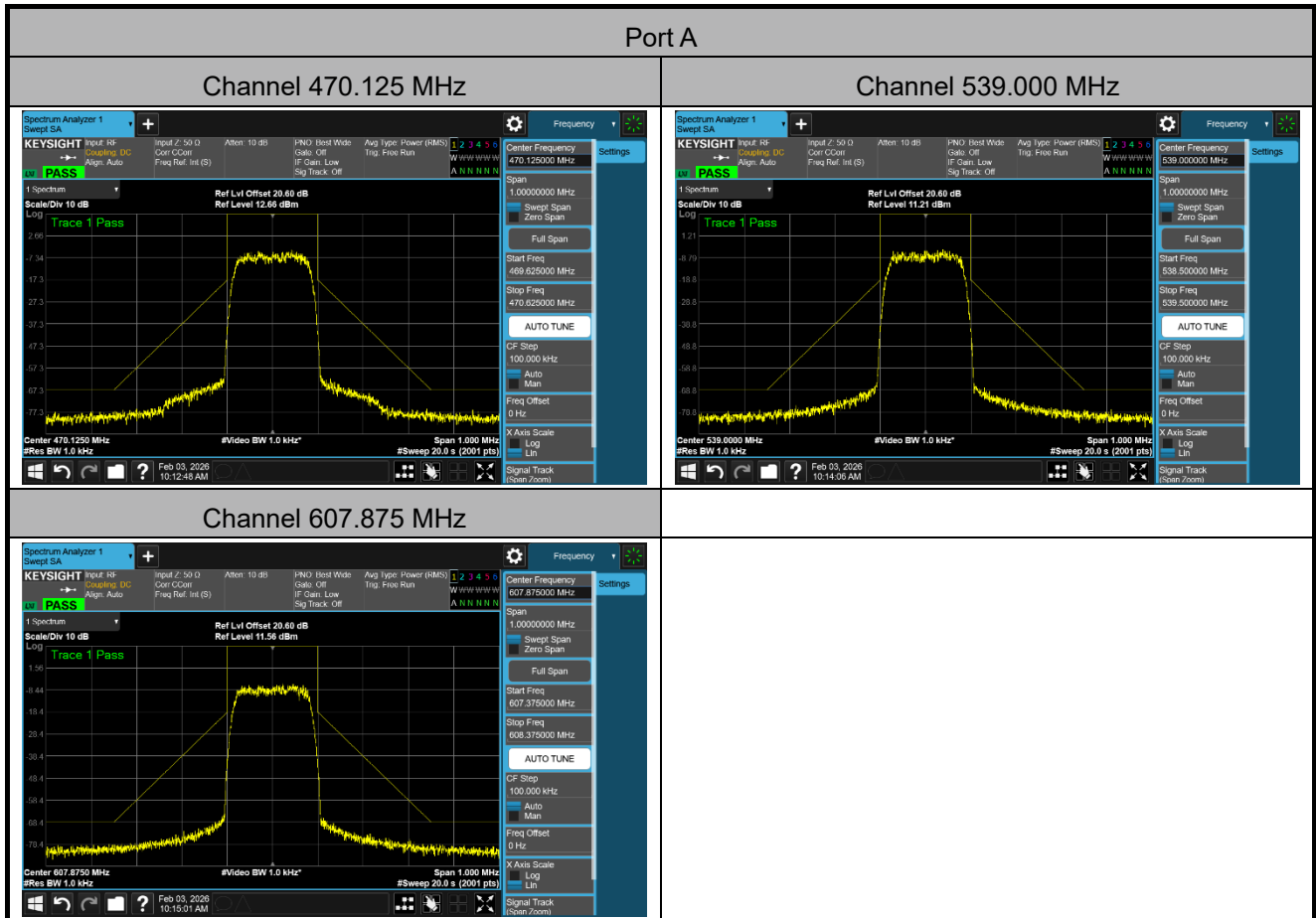
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-03	Test Mode	Mode 1

Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
470.125	168.76	< 200	Pass
539.000	166.86	< 200	Pass
607.875	168.30	< 200	Pass



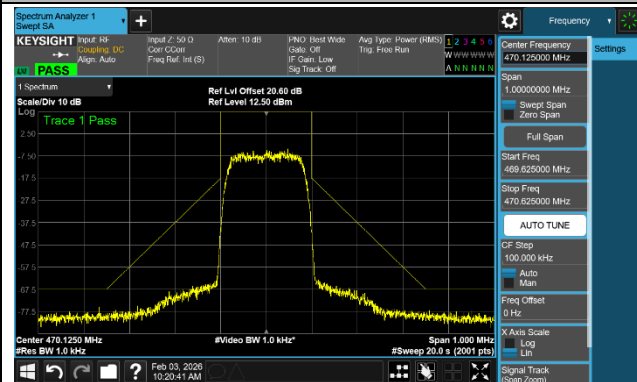
A.2 Emission Mask Test Result

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

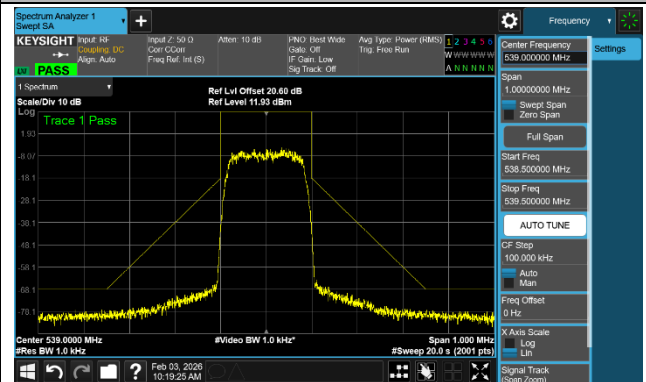


Port B

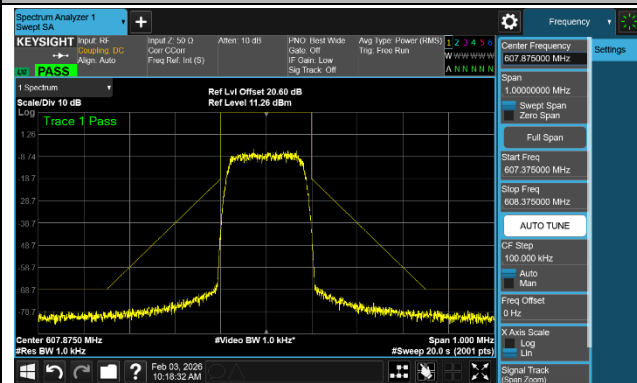
Channel 470.125 MHz



Channel 539.000 MHz



Channel 607.875 MHz



A.3 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-06	Test Mode	Mode 1 Single Port

Frequency (MHz)	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP (dBm)		Limit (dBm)	Test Result
	Port A	Port B		Port A	Port B		
20 mW Power Level							
470.125	12.66	12.50	1.10	13.76	13.60	≤ 16.99	Pass
539.000	11.21	11.93	1.10	12.31	13.03	≤ 16.99	Pass
607.875	11.56	11.26	1.10	12.66	12.36	≤ 16.99	Pass

Note 1: Limit = $10 \times \log(50 \text{ mW}) = 16.99 \text{ (dBm)}$.

Note 2: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-06	Test Mode	Mode 1 Single Port A with AD8C

Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
20 mW Power Level					
470.125	10.36	1.10	11.46	≤ 16.99	Pass
539.000	8.54	1.10	9.64	≤ 16.99	Pass
607.875	9.01	1.10	10.11	≤ 16.99	Pass

Note 1: Limit = $10 \times \log(50 \text{ mW}) = 16.99 \text{ (dBm)}$.

Note 2: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-06	Test Mode	Mode 1 Multi Ports

Frequency (MHz)	Conducted Power (dBm)		Total Conducted Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20 mW Power Level							
470.125	12.66	12.50	15.59	1.10	16.69	≤ 16.99	Pass
539.000	11.21	11.93	14.60	1.10	15.70	≤ 16.99	Pass
607.875	11.56	11.26	14.42	1.10	15.52	≤ 16.99	Pass

Note 1: Limit = $10 \times \log(50 \text{ mW}) = 16.99 \text{ (dBm)}$.

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

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

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-06	Test Mode	Mode 2

Frequency (MHz)		Conducted Power	Antenna Gain	EIRP	Limit	Test
F1	F2	(dBm)	(dBi)	(dBm)	(dBm)	Result
20 mW Power Level						
470.125	470.475	15.45	1.10	16.55	≤ 16.99	Pass
539.000	539.350	15.35	1.10	16.45	≤ 16.99	Pass
607.875	607.525	15.29	1.10	16.39	≤ 16.99	Pass

Note 1: Limit = $10 \times \log(50 \text{ mW}) = 16.99 \text{ (dBm)}$.

Note 2: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2026-02-06	Test Mode	Mode 2 with AD8C

Frequency (MHz)		Conducted Power	Antenna Gain	EIRP	Limit	Test
F1	F2	(dBm)	(dBi)	(dBm)	(dBm)	Result
20 mW Power Level						
470.125	470.475	14.73	1.10	15.83	≤ 16.99	Pass
539.000	539.350	12.32	1.10	13.42	≤ 16.99	Pass
607.875	607.525	12.74	1.10	13.84	≤ 16.99	Pass

Note 1: Limit = $10 \times \log(50 \text{ mW}) = 16.99 \text{ (dBm)}$.

Note 2: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi).

A.4 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	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
470.125	186.56	-100.37	24.39	-75.98	-54.00	-21.98	Peak	Horizontal
	835.00	-102.62	35.84	-66.78	-54.00	-12.78	Peak	Horizontal
	229.63	-101.88	30.84	-71.04	-54.00	-17.04	Peak	Vertical
	500.00	-93.50	33.41	-60.09	-54.00	-6.09	QP	Vertical
	5844.40	-69.77	16.11	-53.66	-30.00	-23.66	Peak	Horizontal
	6821.80	-71.58	19.06	-52.52	-30.00	-22.52	Peak	Horizontal
	5140.00	-69.77	14.10	-55.67	-30.00	-25.67	Peak	Vertical
	6992.20	-73.40	19.90	-53.50	-30.00	-23.50	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
470.125	198.00	-100.75	25.62	-75.13	-54.00	-21.13	Peak	Horizontal
	831.22	-103.09	35.66	-67.43	-54.00	-13.43	Peak	Horizontal
	220.70	-100.99	30.82	-70.17	-54.00	-16.17	Peak	Vertical
	500.00	-93.16	33.51	-59.65	-54.00	-5.65	QP	Vertical
	5913.40	-71.27	16.42	-54.85	-30.00	-24.85	Peak	Horizontal
	6873.40	-72.17	19.54	-52.63	-30.00	-22.63	Peak	Horizontal
	5881.60	-71.03	16.08	-54.95	-30.00	-24.95	Peak	Vertical
	6974.80	-72.95	19.81	-53.14	-30.00	-23.14	Peak	Vertical
539.000	183.94	-100.28	24.19	-76.09	-54.00	-22.09	Peak	Horizontal
	803.58	-101.89	35.51	-66.38	-54.00	-12.38	Peak	Horizontal
	500.00	-92.70	33.54	-59.16	-54.00	-5.16	QP	Vertical
	550.07	-99.73	34.08	-65.65	-54.00	-11.65	QP	Vertical
	5464.60	-70.36	14.70	-55.66	-30.00	-25.66	Peak	Horizontal
	6697.00	-71.57	19.52	-52.05	-30.00	-22.05	Peak	Horizontal
	6126.40	-71.51	16.28	-55.23	-30.00	-25.23	Peak	Vertical
	6985.60	-73.50	19.86	-53.64	-30.00	-23.64	Peak	Vertical
607.875	185.30	-100.33	24.29	-76.04	-54.00	-22.04	Peak	Horizontal
	824.92	-99.60	35.68	-63.92	-54.00	-9.92	Peak	Horizontal
	219.25	-102.96	30.67	-72.29	-54.00	-18.29	Peak	Vertical
	488.52	-95.55	33.59	-61.96	-54.00	-7.96	QP	Vertical
	5060.20	-70.25	14.42	-55.83	-30.00	-25.83	Peak	Horizontal
	6890.20	-72.50	19.81	-52.69	-30.00	-22.69	Peak	Horizontal
	6005.20	-70.85	15.91	-54.94	-30.00	-24.94	Peak	Vertical
	6752.20	-71.41	18.33	-53.08	-30.00	-23.08	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
Test Date	2026-01-30	Test Mode	Mode 1

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
470.125 + 470.475	198.00	-99.49	25.62	-73.87	-54.00	-19.87	Peak	Horizontal
	674.37	-102.09	33.83	-68.26	-54.00	-14.26	Peak	Horizontal
	500.00	-92.21	33.51	-58.70	-54.00	-4.70	QP	Vertical
	584.16	-96.09	34.42	-61.67	-54.00	-7.67	Peak	Vertical
	1411.60	-62.87	7.93	-54.94	-30.00	-24.94	Peak	Horizontal
	6902.20	-73.43	19.96	-53.47	-30.00	-23.47	Peak	Horizontal
	4806.40	-70.79	14.09	-56.70	-30.00	-26.70	Peak	Vertical
	6888.40	-72.11	19.29	-52.82	-30.00	-22.82	Peak	Vertical
539.000 + 539.350	538.96	-98.79	31.50	-67.29	-54.00	-13.29	Peak	Horizontal
	681.55	-102.65	34.07	-68.58	-54.00	-14.58	Peak	Horizontal
	499.97	-92.10	33.51	-58.59	-54.00	-4.59	QP	Vertical
	564.86	-97.21	34.23	-62.98	-54.00	-8.98	Peak	Vertical
	4811.80	-69.68	14.44	-55.24	-30.00	-25.24	Peak	Horizontal
	6548.20	-71.37	18.13	-53.24	-30.00	-23.24	Peak	Horizontal
	1617.40	-58.39	5.68	-52.71	-30.00	-22.71	Peak	Vertical
	6982.00	-73.63	19.84	-53.79	-30.00	-23.79	Peak	Vertical
607.525 + 607.875	500.06	-99.77	31.10	-68.67	-54.00	-14.67	Peak	Horizontal
	797.76	-103.07	35.16	-67.91	-54.00	-13.91	Peak	Horizontal
	500.00	-93.24	33.51	-59.73	-54.00	-5.73	QP	Vertical
	585.91	-97.38	34.46	-62.92	-54.00	-8.92	Peak	Vertical
	1216.00	-56.64	7.03	-49.61	-30.00	-19.61	Peak	Horizontal
	6894.40	-72.60	19.87	-52.73	-30.00	-22.73	Peak	Horizontal
	4819.60	-70.60	14.19	-56.41	-30.00	-26.41	Peak	Vertical
	6982.00	-73.31	19.84	-53.47	-30.00	-23.47	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
Test Date	2026-01-30	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
470.125 + 470.475	695.61	-103.26	34.09	-69.17	-54.00	-15.17	Peak	Horizontal
	798.14	-102.56	35.17	-67.39	-54.00	-13.39	Peak	Horizontal
	726.46	-102.45	36.54	-65.91	-54.00	-11.91	Peak	Vertical
	941.02	-96.58	38.43	-58.15	-36.00	-22.15	Peak	Vertical
	1411.60	-58.10	7.93	-50.17	-30.00	-20.17	Peak	Horizontal
	6742.00	-71.70	18.92	-52.78	-30.00	-22.78	Peak	Horizontal
	1411.60	-49.75	7.20	-42.55	-30.00	-12.55	Peak	Vertical
	6985.60	-73.59	19.86	-53.73	-30.00	-23.73	Peak	Vertical
539.000 + 539.350	500.06	-101.08	31.10	-69.98	-54.00	-15.98	Peak	Horizontal
	841.50	-102.87	35.77	-67.10	-54.00	-13.10	Peak	Horizontal
	500.00	-92.60	33.51	-59.09	-54.00	-5.09	QP	Vertical
	745.38	-102.83	35.96	-66.87	-54.00	-12.87	Peak	Vertical
	1618.00	-50.06	6.03	-44.03	-30.00	-14.03	Peak	Horizontal
	6989.20	-72.92	20.03	-52.89	-30.00	-22.89	Peak	Horizontal
	1618.60	-46.14	5.69	-40.45	-30.00	-10.45	Peak	Vertical
	6671.20	-71.46	18.91	-52.55	-30.00	-22.55	Peak	Vertical
607.525 + 607.875	500.06	-100.74	31.10	-69.64	-54.00	-15.64	Peak	Horizontal
	845.87	-103.01	35.84	-67.17	-54.00	-13.17	Peak	Horizontal
	500.00	-94.68	33.51	-61.17	-54.00	-7.17	QP	Vertical
	828.80	-102.36	37.40	-64.96	-54.00	-10.96	Peak	Vertical
	1216.00	-55.32	7.03	-48.29	-30.00	-18.29	Peak	Horizontal
	4792.00	-68.78	14.42	-54.36	-30.00	-24.36	Peak	Horizontal
	1216.00	-51.06	6.63	-44.43	-30.00	-14.43	Peak	Vertical
	1823.20	-60.43	6.11	-54.32	-30.00	-24.32	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	2026-01-30	Test Mode	Mode 2

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
470.125 + 470.475	229.34	-101.73	27.55	-74.18	-54.00	-20.18	Peak	Horizontal
	824.43	-102.84	35.64	-67.20	-54.00	-13.20	Peak	Horizontal
	222.35	-100.91	31.00	-69.91	-54.00	-15.91	Peak	Vertical
	523.63	-95.09	33.38	-61.71	-54.00	-7.71	Peak	Vertical
	5866.60	-71.39	16.23	-55.16	-30.00	-25.16	Peak	Horizontal
	6945.40	-72.36	19.89	-52.47	-30.00	-22.47	Peak	Horizontal
	1411.00	-57.97	7.25	-50.72	-30.00	-20.72	Peak	Vertical
	6674.80	-72.34	18.94	-53.40	-30.00	-23.40	Peak	Vertical
539.000 + 539.350	223.52	-103.54	26.75	-76.79	-54.00	-22.79	Peak	Horizontal
	844.61	-103.46	35.91	-67.55	-54.00	-13.55	Peak	Horizontal
	226.43	-102.00	31.08	-70.92	-54.00	-16.92	Peak	Vertical
	522.18	-94.83	33.39	-61.44	-54.00	-7.44	Peak	Vertical
	5741.80	-70.87	15.56	-55.31	-30.00	-25.31	Peak	Horizontal
	7000.00	-72.63	20.07	-52.56	-30.00	-22.56	Peak	Horizontal
	5191.00	-69.77	14.07	-55.70	-30.00	-25.70	Peak	Vertical
	6903.40	-72.39	19.44	-52.95	-30.00	-22.95	Peak	Vertical
607.525 + 607.875	226.91	-103.14	27.27	-75.87	-54.00	-21.87	Peak	Horizontal
	835.59	-102.59	35.85	-66.74	-54.00	-12.74	Peak	Horizontal
	214.01	-102.58	30.27	-72.31	-54.00	-18.31	Peak	Vertical
	500.06	-91.40	33.50	-57.90	-54.00	-3.90	QP	Vertical
	5151.40	-69.82	14.12	-55.70	-30.00	-25.70	Peak	Horizontal
	6923.80	-72.74	19.93	-52.81	-30.00	-22.81	Peak	Horizontal
	6298.00	-72.27	17.02	-55.25	-30.00	-25.25	Peak	Vertical
	6950.80	-73.40	19.68	-53.72	-30.00	-23.72	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 _____