RF MEASUREMENT REPORT

FCC ID:	DD4ULXD2G57
Applicant:	Shure Incorporated
Product:	Digital Wireless Microphone Transmitter
Model No.:	ULXD2 G57
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:	2025-01-09
Test Date:	2025-01-13 ~ 2025-02-18

Reviewed By: Jame Yuan

Approved By: Robin Wu

ilac-MRA

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.
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
R25S1008015-U202	V01	Initial Report	2025-03-20	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

☒	**Test Site – MRT Suzhou Laboratory**
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China **Laboratory Location (Suzhou - Wujiang)** Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐R-20025 ☐G-20034 ☐C-20020 ☐T-20020 ☐R-20141 ☐G-20134 ☐C-20103 ☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	**Test Site – MRT Taiwan Laboratory**
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	Digital Wireless Microphone Transmitter
Model No.	ULXD2 G57
EUT Identification No.	Conducted Measurement: 20250109Sample#04 Radiated Measurement: 2DJ22888636
Radio Specification	Wireless Microphone, Transmit Only
Operating Temperature	-18 °C ~ +50 °C
Antenna Information	Refer to section 1.5
Power Type	Two AA batteries or Li-ion battery (3.7 Vdc)
Accessories	
Rechargeable Li-ion Battery 1#	Model No.: SB900B Capacity: 1240mAh 4.59Wh Rated Voltage: 3.7V
Rechargeable Li-ion Battery 2#	Model No.:SB900B-A Capacity: 1240mAh 4.59Wh Rated Voltage: 3.7V
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	470 ~ 608MHz
Declared Power Level	STD: 1mW & 10mW & 20mW HD: 1mW
Type of Modulation	UHF, Transmitter Only
Declared Occupied Bandwidth	200kHz
Channel Spacing	25kHz
Antenna Type	Helical
Antenna Gain	-1.30 dBi

1.6. Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
470.125	539.000	607.875

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at G57 Band by STD Mode (20mW)
Mode 2: Transmit at G57 Band by HD Mode (1mW)

2.2. Test Software

The test utility software used during testing was “teraterm”, and the version was V4.103, all test commands were provided by the manufacturer.

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 Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2025-05-12	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11074	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11075	1 year	2025-06-05	WZ-TR3
Attenuator	MVE	MVE2213	MRTSUE11076	1 year	2025-06-05	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2025-05-20	WZ-TR3
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2025-09-02	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE11268	1 year	2025-12-10	WZ-TR3
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
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
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2025-10-13	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(e)(1)	RF Output Power	Conducted	Pass
74.861(e)(4)	Frequency Stability		Pass
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
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	N/A

Notes:

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

2) “N/A” means that this item is not applicable, and the detail information refer to relevant section.

5.2. RF Output Power Measurement

5.2.1. Test Limit

(i) 54-72, 76-88, and 174-216 MHz bands: 50 mW EIRP

(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

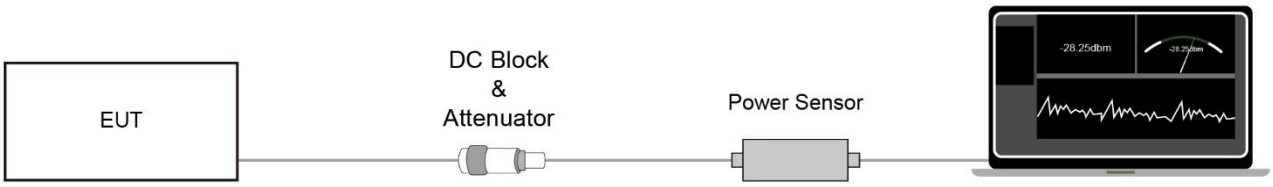
5.2.3. Test Setting

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:

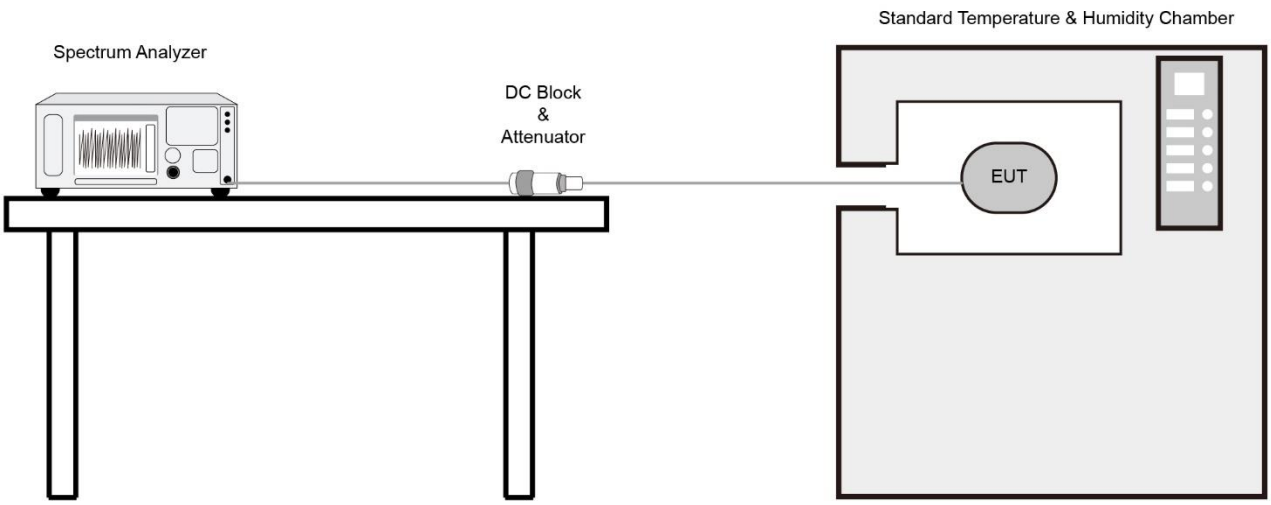
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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

Refer to Appendix A.2.

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.

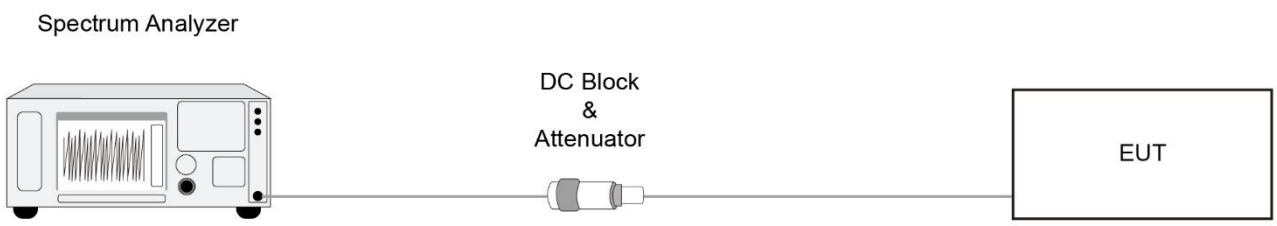
5.4.2. Test Procedure

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 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

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Out-of-band Emission Measurement

5.5.1. 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+10log10 (mean output power in watts) dB.

5.5.2. Test Procedure

ANSI C63.26 - Section 5.7

5.5.3. 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)

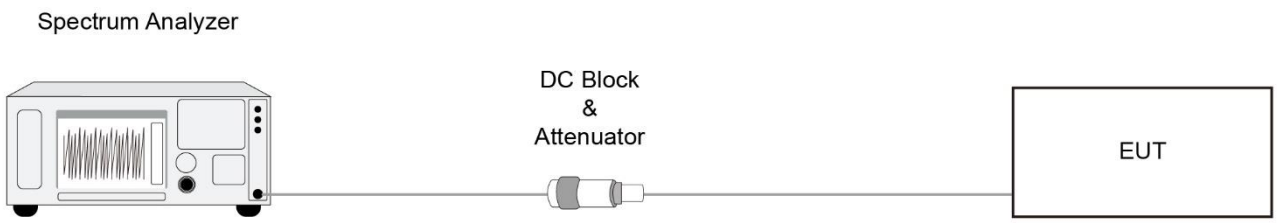
Use the peak marker function to determine the maximum amplitude level

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.

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.4.

5.6. Emission Mask Measurement

5.6.1. Test Limit

(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).

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.

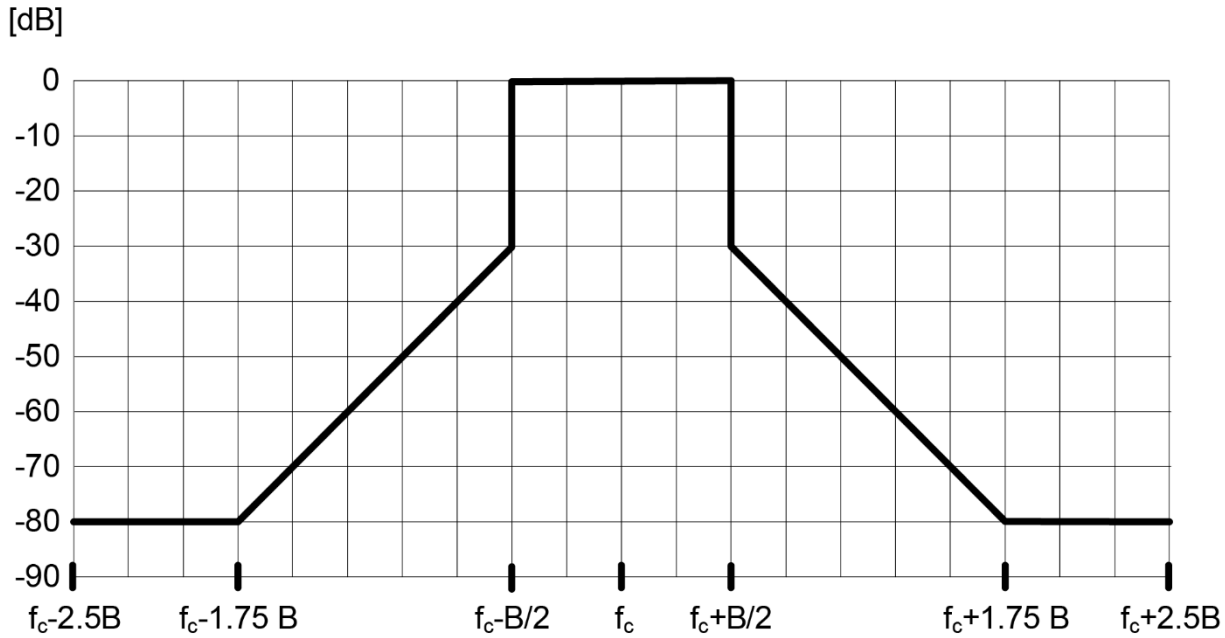


Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

5.6.2. Test Procedure

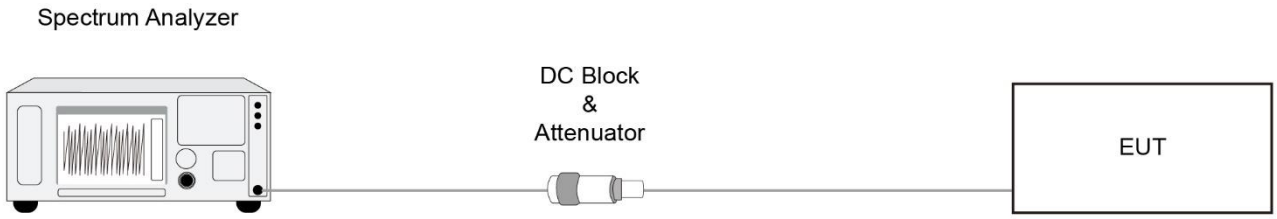
EN 300 422-1 V2.2.1 clause 5.4.3.2.

5.6.3. 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 center frequency.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.5.

5.7. Radiated Spurious Emissions Measurement

5.7.1. Test Limit

Spurious emission limits. Emissions outside of the emission masks 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
9kHz – 150kHz	-36dBm	1kHz
150kHz – 30MHz	-36dBm	10kHz
30MHz – 1GHz	-36dBm	$F_c + 2.5B \le f \le F_c + 4B$: 1kHz $F_c + 4B < f \le F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \le f < F_c - 4B$: 10kHz $F_c - 4B \le f \le F_c – 2.5B$: 1kHz
Except:		
47MHz to 74MHz 87.5MHz to 118MHz	-54dBm	100kHz
174MHz to 230MHz 470MHz to 862MHz	-54dBm	$F_c + 2.5B \le f \le F_c + 4B$: 1kHz $F_c + 4B < f \le F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \le f < F_c - 4B$: 10kHz $F_c - 4B \le f \le F_c – 2.5B$: 1kHz
1GHz < f≤ F_{upper}	-30dBm	$F_c + 2.5B \le f \le F_c + 10B$: 30kHz $F_c + 10B < f \le F_c + 12B$: 300kHz $f > F_c + 12B$: 1MHz $f < F_c - 12B$: 1MHz $F_c - 12B \le f < F_c - 10B$: 300kHz $F_c - 10B \le f \le F_c – 2.5B$: 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

5.7.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.4.4

5.7.3. Test Setting

Table 1 - 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.

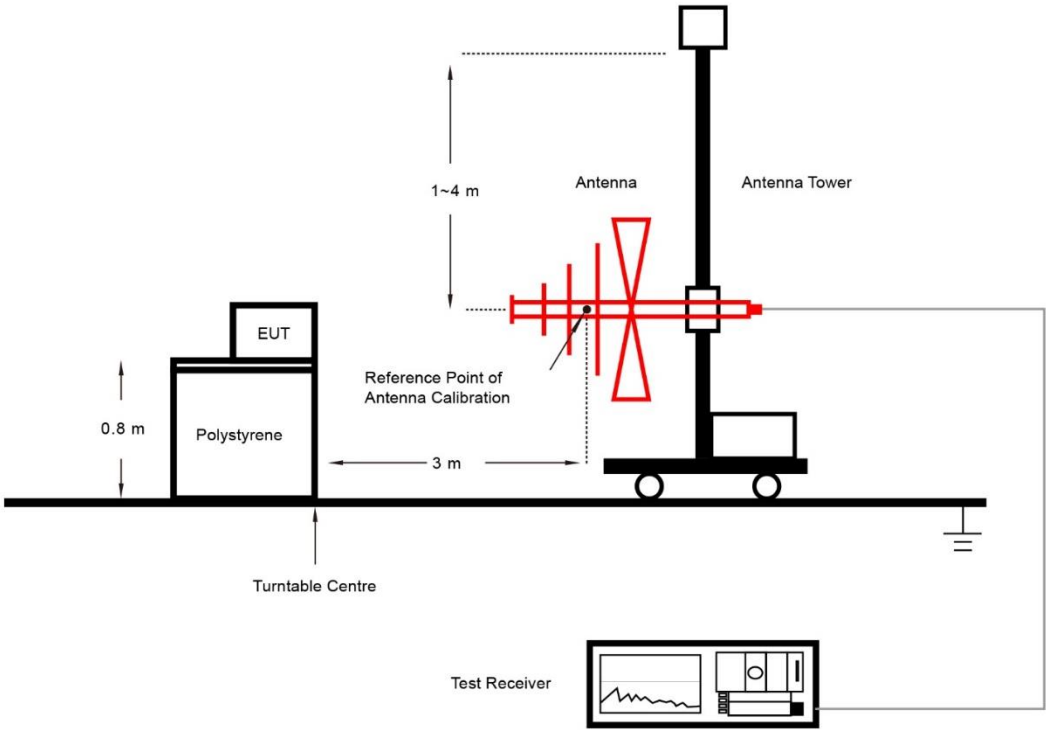
Compliance with the emission limits shall be demonstrated using an RMS Average detector.

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

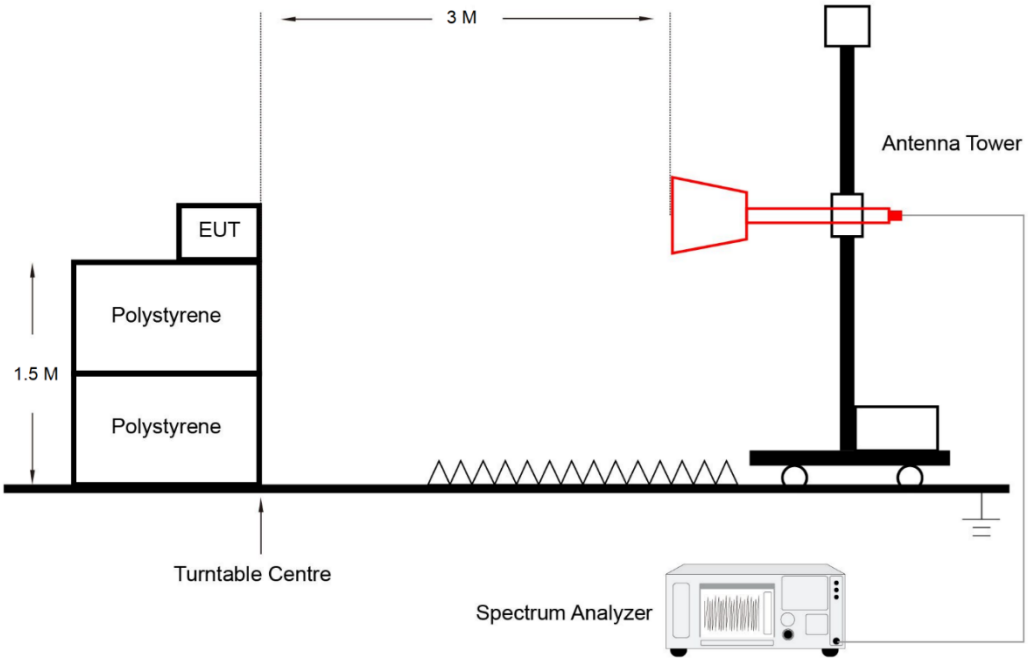
At each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.7.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.7.5. Test Result

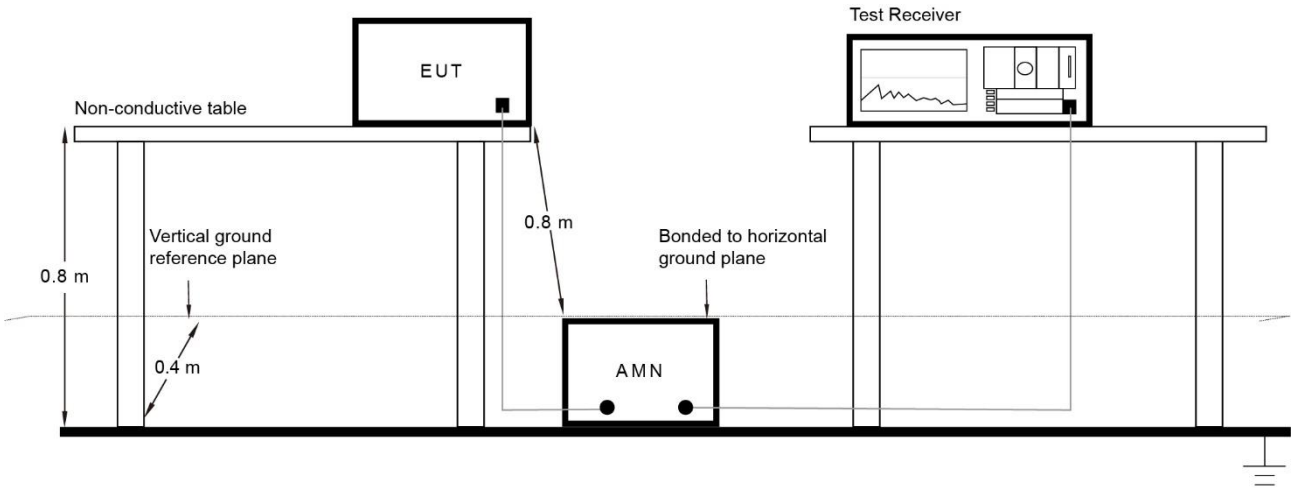
Refer to Appendix A.6.

5.8. AC Conducted Emissions Measurement

5.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBμV)	Average (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

5.8.2. Test Setup



5.8.3. Test Result

Refer to Appendix A.7.

Appendix A - Test Result

A.1 RF Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-13		

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Test Result
20mW Power Level			
470.125	13.90	≤ 23.98	Pass
539.000	13.40	≤ 23.98	Pass
607.875	13.88	≤ 23.98	Pass
1mW Power Level			
470.125	0.82	≤ 23.98	Pass
539.000	0.45	≤ 23.98	Pass
607.875	0.96	≤ 23.98	Pass

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

A.2 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2025-01-16, 2025-02-18	Test Frequency	470.125MHz

Voltage (%)	Power (DC)	Temp (°C)	Frequency Tolerance (%)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	3.7	-20	0.00005	0.00005	0.00005	0.00005
		-10	0.00006	0.00006	0.00006	0.00006
		0	0.00004	0.00004	0.00004	0.00004
		+ 10	0.00003	0.00003	0.00003	0.00003
		+ 20	0.00001	0.00001	0.00001	0.00001
		+ 30	0.00001	0.00001	0.00001	0.00001
		+ 40	0.00002	0.00002	0.00002	0.00002
		+ 50	0.00003	0.00003	0.00003	0.00003
115	4.26	+ 20	0.00001	0.00001	0.00001	0.00001
85	3.15	+ 20	0.00001	0.00001	0.00001	0.00001
Limit	0.005%					
Result	Pass					

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^2$.

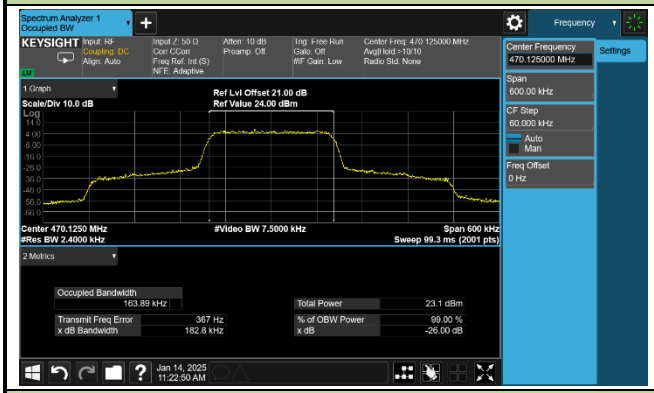
A.3 99% Occupied Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-14		

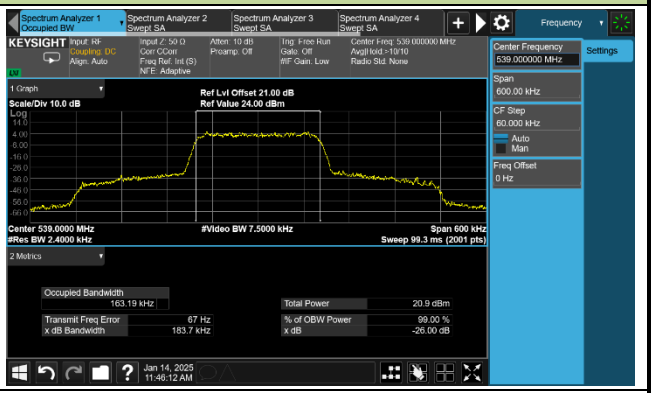
Test Mode	Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
Mode 1	470.125	163.890	< 200	Pass
	539.000	163.190	< 200	Pass
	607.875	163.240	< 200	Pass
Mode 2	470.125	97.413	< 200	Pass
	539.000	97.451	< 200	Pass
	607.875	97.506	< 200	Pass

Occupied Channel Bandwidth - 20mW

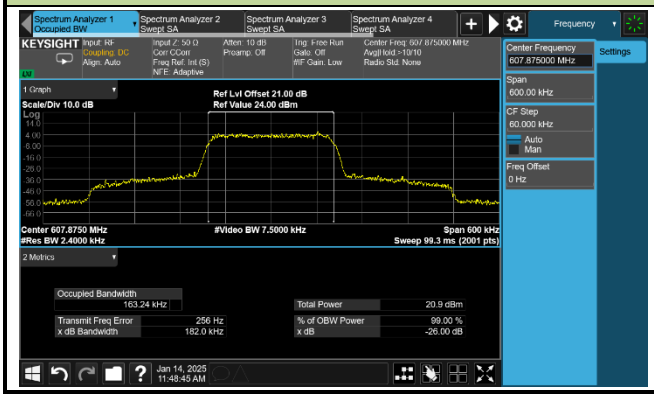
470.125MHz

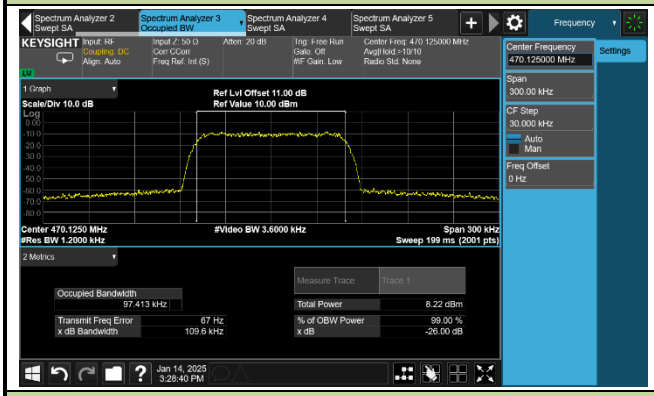
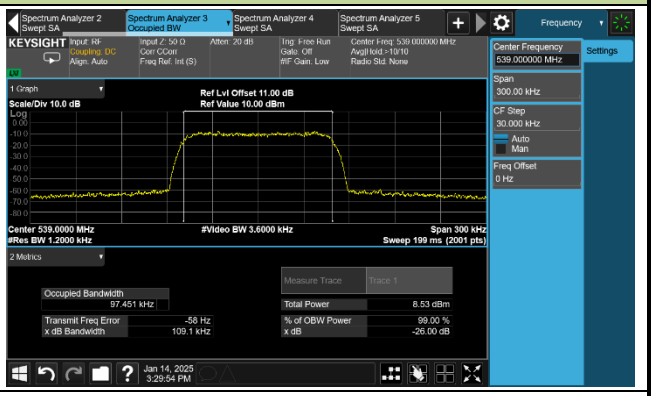
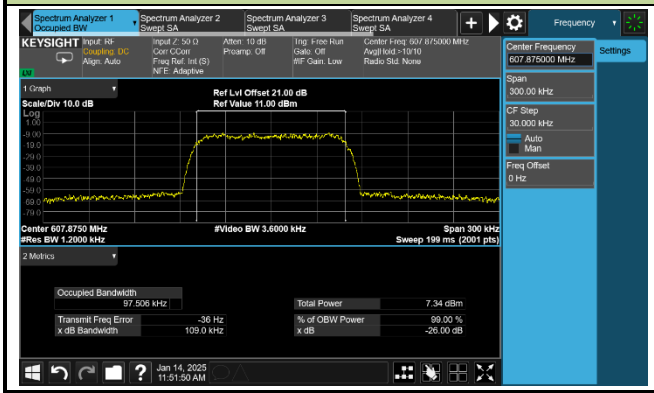


539.000MHz



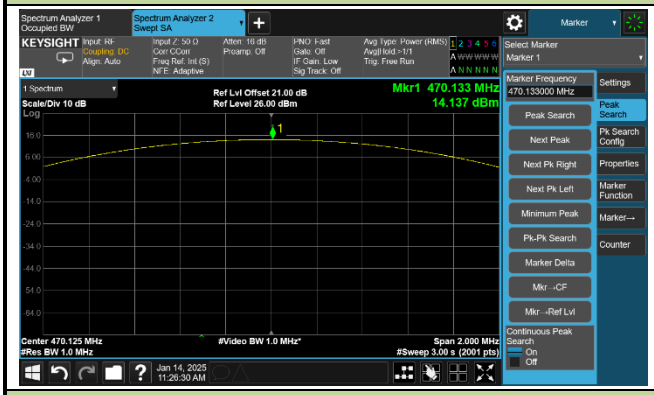
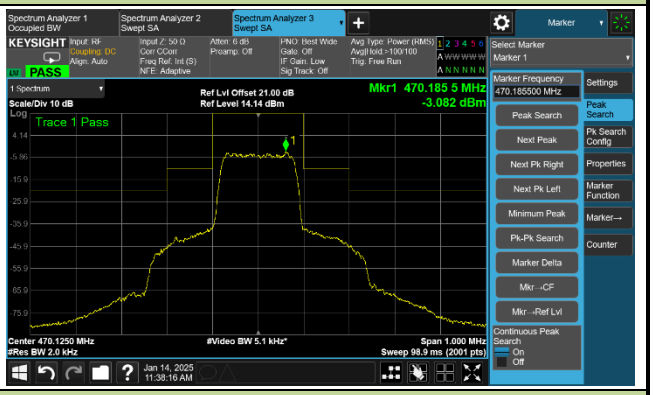
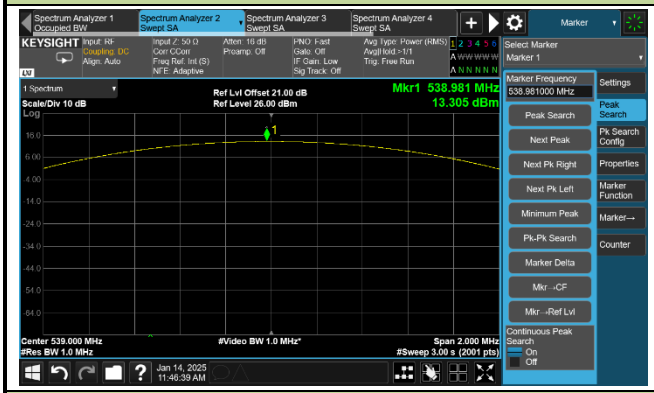
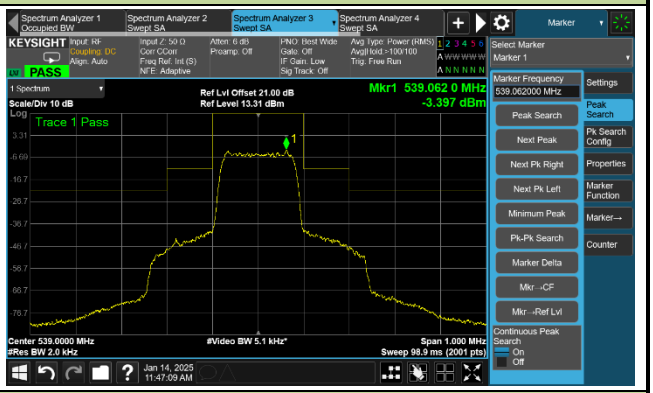
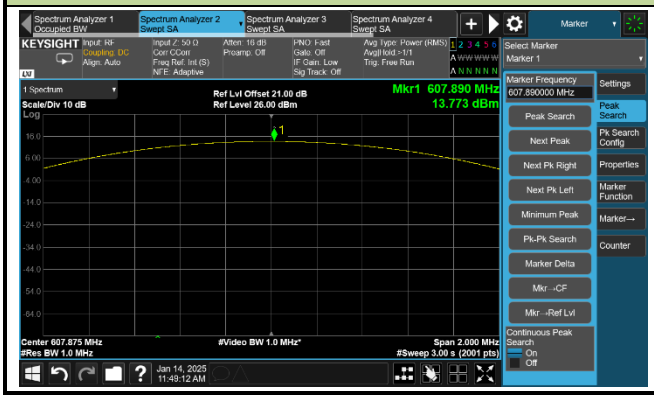
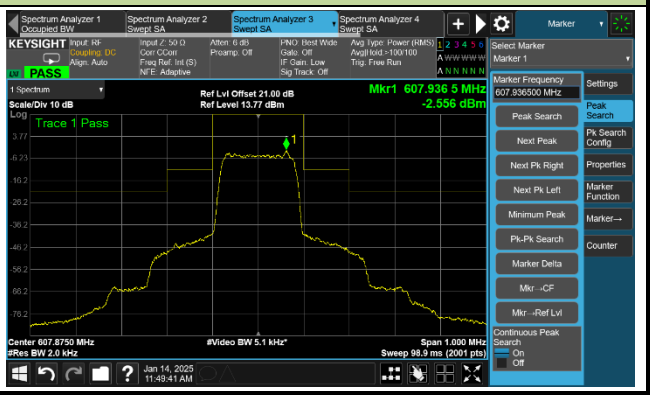
607.875MHz



Occupied Channel Bandwidth - 1mW	
470.125MHz	539.000MHz
	
607.875MHz	
	

A.4 Out-of-band Emission Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-14	Test Mode	Mode 1

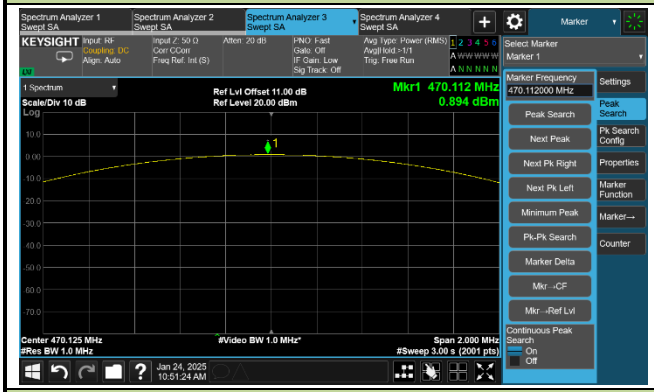
Out-of-band Emission - 20mW	
Channel 470.125MHz	
Reference Level	Emission Mask
	
Channel 539.000 MHz	
Reference Level	Emission Mask
	
Channel 607.875 MHz	
Reference Level	Emission Mask
	

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-24	Test Mode	Mode 2

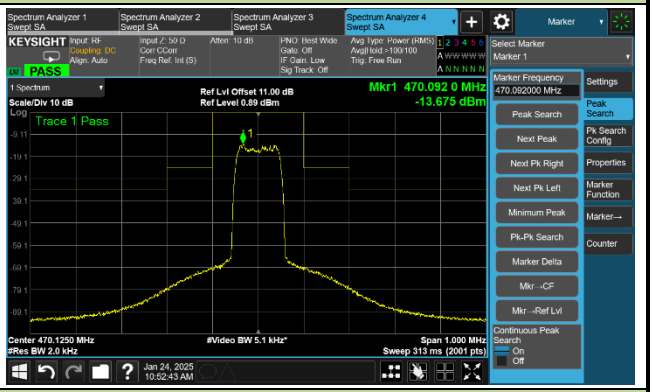
Out-of-band Emission - 1mW

Channel 470.125MHz

Reference Level

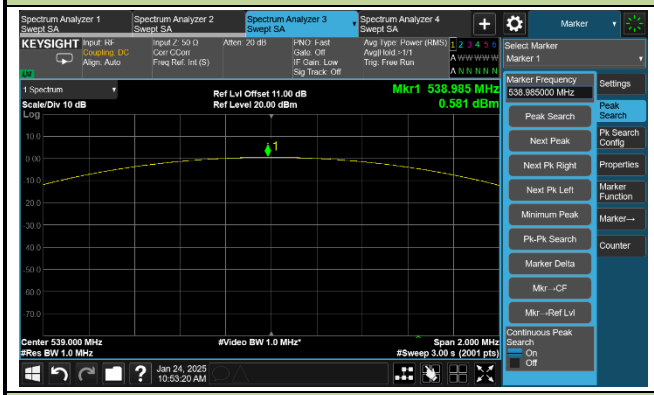


Emission Mask

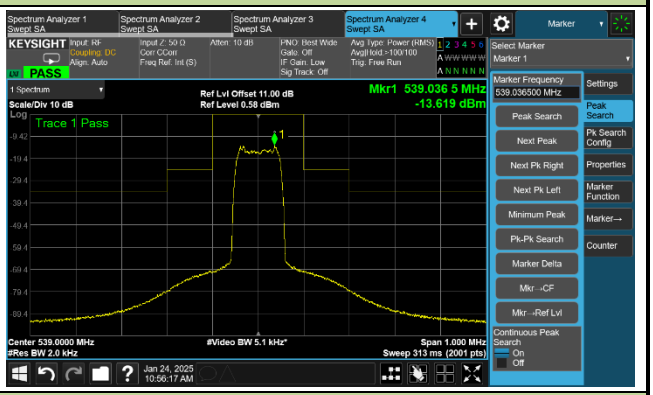


Channel 539.000 MHz

Reference Level

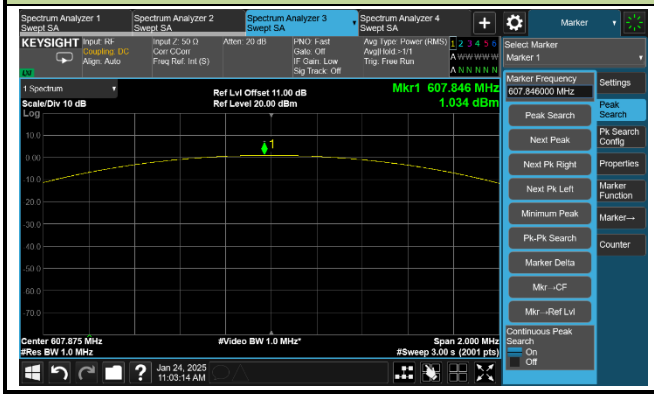


Emission Mask

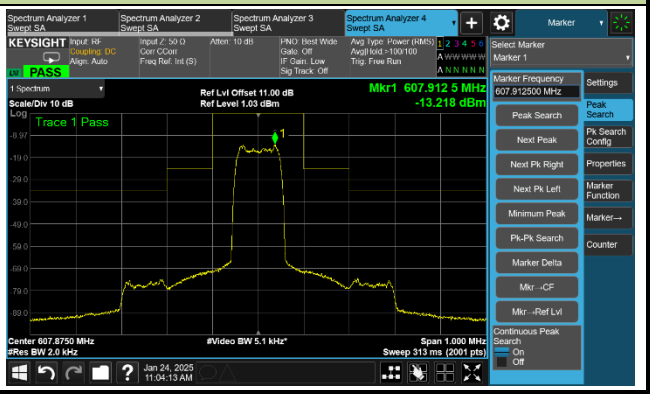


Channel 607.875 MHz

Reference Level



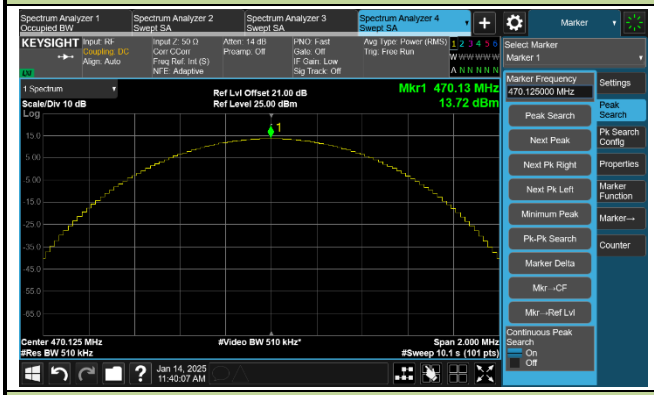
Emission Mask

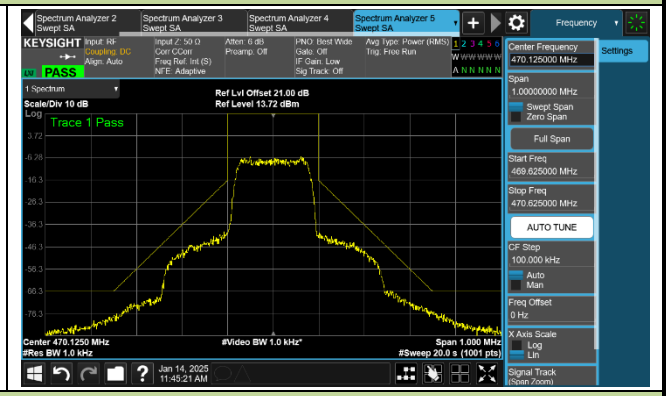


A.5 Emission Mask Test Result

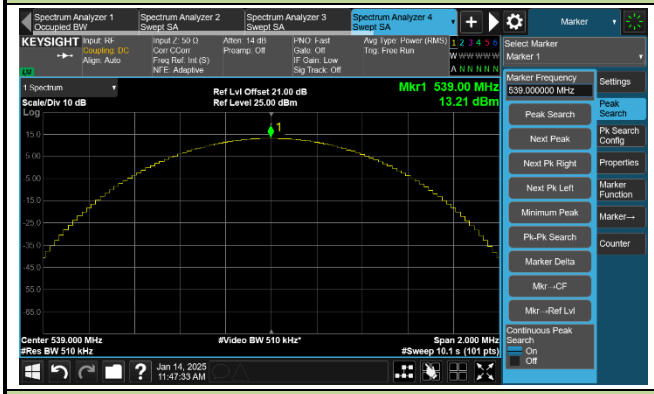
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-14	Test Mode	Mode 1

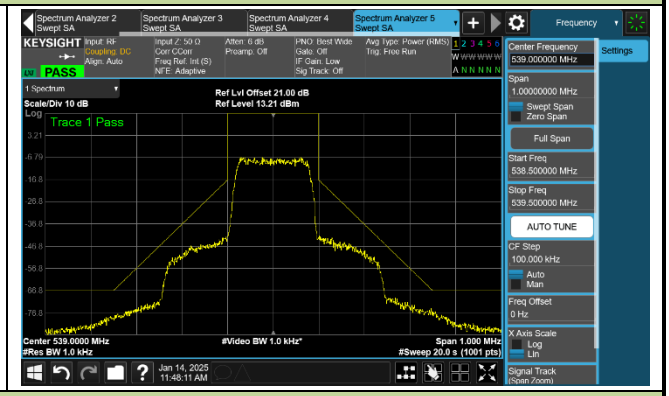
Emission Mask - 20mW, 470.125MHz



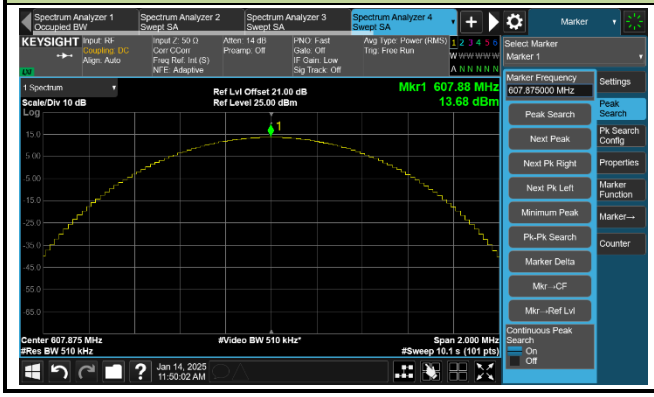


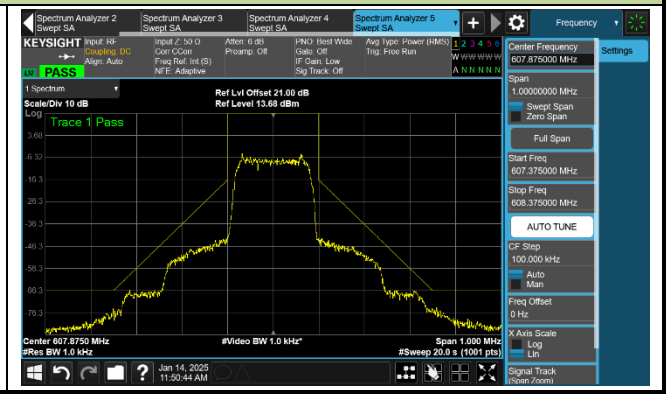
Emission Mask - 20mW, 539.000MHz





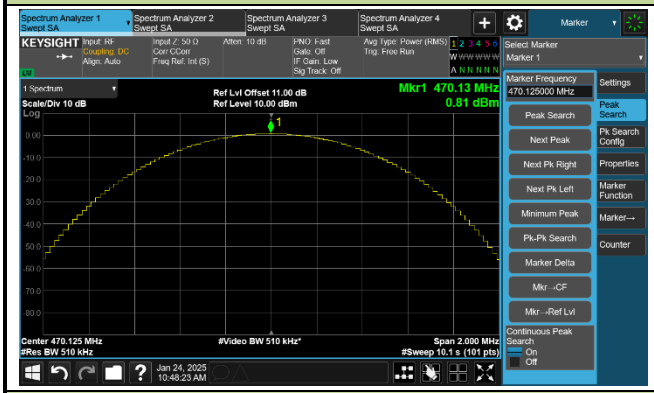
Emission Mask - 20mW, 607.875MHz

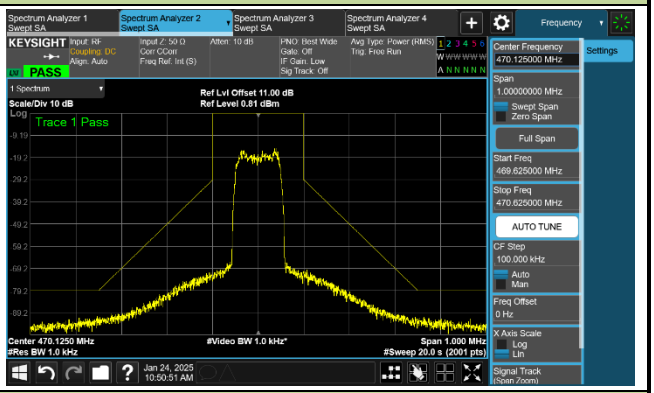




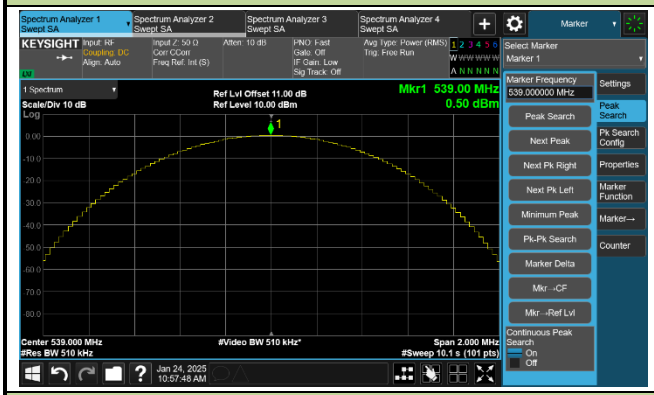
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-01-24	Test Mode	Mode 2

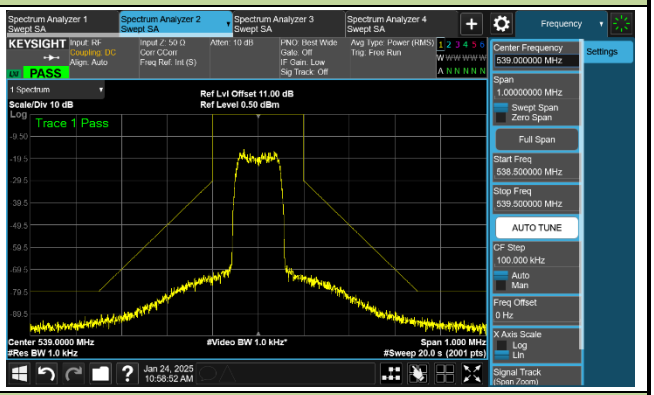
Emission Mask - 1mW, 470.125MHz



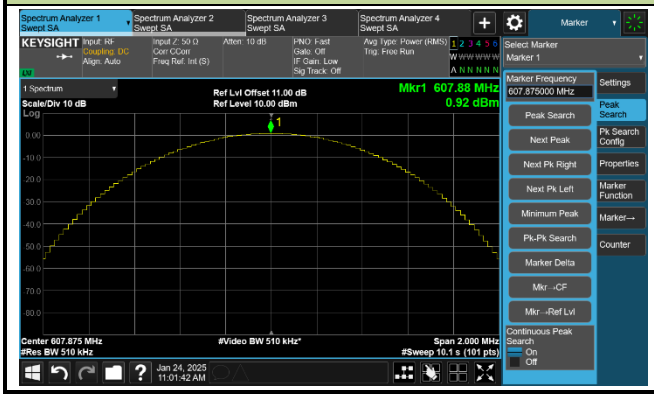


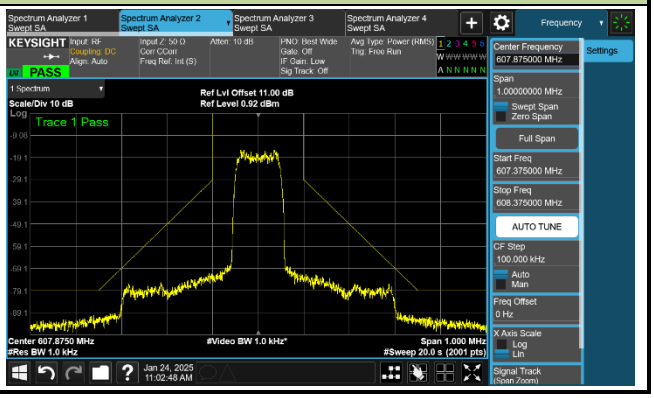
Emission Mask - 1mW, 539.000MHz





Emission Mask - 1mW, 607.875MHz





A.6 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2025-01-18		

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
470.125	669.715	-103.4	33.6	-69.8	-54.0	-15.8	Peak	Horizontal
	841.308	-103.1	35.8	-67.3	-54.0	-13.3	Peak	Horizontal
	494.145	-94.8	33.6	-61.2	-54.0	-7.2	Peak	Vertical
	818.707	-102.8	37.0	-65.8	-54.0	-11.8	Peak	Vertical
	1410.100	-54.0	6.9	-47.1	-30.0	-17.1	Peak	Horizontal
	2351.200	-57.1	8.3	-48.8	-30.0	-18.8	Peak	Horizontal
	1410.400	-43.8	6.4	-37.4	-30.0	-7.4	Peak	Vertical
	2350.600	-44.0	6.8	-37.2	-30.0	-7.2	Peak	Vertical
539.000	676.214	-103.5	34.0	-69.5	-54.0	-15.5	Peak	Horizontal
	803.187	-102.4	35.5	-66.9	-54.0	-12.9	Peak	Horizontal
	515.000	-96.2	33.2	-63.0	-54.0	-9.0	Peak	Vertical
	611.030	-98.3	34.7	-63.6	-54.0	-9.6	Peak	Vertical
	1424.800	-67.0	7.1	-59.9	-30.0	-29.9	Peak	Horizontal
	2695.000	-63.3	8.5	-54.8	-30.0	-24.8	Peak	Horizontal
	1616.800	-57.0	6.2	-50.8	-30.0	-20.8	Peak	Vertical
	2695.000	-57.6	6.9	-50.7	-30.0	-20.7	Peak	Vertical

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

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

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

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
607.875	531.199	-102.9	31.4	-71.5	-54.0	-17.5	Peak	Horizontal
	833.645	-99.8	35.8	-64.0	-54.0	-10.0	Peak	Horizontal
	583.773	-99.4	34.4	-65.0	-54.0	-11.0	Peak	Vertical
	835.585	-103.6	37.6	-66.0	-54.0	-12.0	Peak	Vertical
	2431.600	-64.4	8.1	-56.3	-30.0	-26.3	Peak	Horizontal
	3097.900	-67.2	9.7	-57.5	-30.0	-27.5	Peak	Horizontal
	1823.500	-56.8	6.2	-50.6	-30.0	-20.6	Peak	Vertical
	3039.100	-63.0	7.3	-55.7	-30.0	-25.7	Peak	Vertical

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

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

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

A.7 AC Conducted Emissions Test Result

The EUT is powered by battery, so this item is not applicable.

Appendix B - Test Setup Photograph

Refer to “R25S1008015-UT” file.

Appendix C - EUT Photograph

Refer to “ R25S1008015-UE” file.