RF MEASUREMENT REPORT

FCC ID:	DD4ADTDK54
Applicant:	Shure Incorporated
Product:	Wireless Dual Transmitter
Model No.:	ADTD K54, ADTD DC K54
Brand Name:	SHURE, SHURE
FCC Classification:	Part 15 Wireless Microphone (DWM)
FCC Rule Part(s):	Part 15 Subpart C (Section 15.236)
Result:	Complies
Received Date:	2024-06-13
Test Date:	2024-08-21 ~ 2024-11-28

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

Revision History

Report No.	Version	Description	Issue Date	Note
2406RSU021-U15	V01	Initial Report	2024-11-30	Invalid
2406RSU021-U15	V02	Update KDB 206256 Version	2024-12-10	Valid

CONTENTS

Description Page

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	Wireless Dual Transmitter
Model No.	ADTD K54, ADTD DC K54
Serial No.	2DE31787856
Radio Specification	UHF Microphone Transmitter
Antenna Information	Refer to section 1.7
Operating Temperature	-18 ~ 50°C
Network Interface	10/100/1000 Mbps, Dante Digital Audio
Power Type	AC Power Input (100~240V AC) & DC Power Input (12~48V) AC Power Output (100~240V AC)
Accessories	
8 Port Antenna Combiner	Model: AD8C, AD8C DC AC Ver.: 100-240V~, 50/60Hz, 0.76A max (5.76A max outlet loaded), DC Ver.: 12-48VDC, 4A max
Note 1: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. Note 2: ADTD 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	Analog FM & Narrowband & 4-channel Wideband (WMAS) & PTP
Frequency Range	606 ~ 608MHz & 614 ~ 616MHz & 657 ~ 663MHz
Declared Power Level	Standalone: Low & Mid & High
	Multi-Radio: Low & Mid
Type of Modulation	Analog FM: FM
	Narrowband: OFDM
	4-channel Wideband: OFDM
	PTP: 16QAM
Declared Occupied Bandwidth	Analog FM: 200kHz
	Narrowband: 200kHz
	4-channel Wideband (WMAS): 440kHz
	4-channel Wideband (WMAS): 850kHz
	PTP: 200kHz
Channel Spacing	25kHz
RF Connector Type	BNC

1.6. Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
Analog FM & Narrowband & PTP		
606 ~ 608 MHz Frequency Band		
606.000	N/A	607.875
614 ~ 616 MHz Frequency Band		
614.125	N/A	615.875
657 ~ 663 MHz Frequency Band		
657.000	N/A	662.875
4-channel wideband		
606 ~ 608 MHz Frequency Band		
606.275	N/A	607.600
657 ~ 663 MHz Frequency Band		
657.000	N/A	662.600

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Manufacturer	Peak Gain (dBi)
Dipole	606 ~ 663	Shure	0.3

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at K54 Band by Analog FM (Power Level = 50mW)
Mode 2: Transmit at K54 Band by Analog FM combined (Power Level = 20mW)
Mode 3: Transmit at K54 Band by Narrowband (Power Level = 50mW)
Mode 4: Transmit at K54 Band by Narrowband combined (Power Level = 20mW)
Mode 5: Transmit at K54 Band by Narrowband spatial diversity (Power Level = 20mW)
Mode 6: Transmit at K54 Band by 4-channel wideband 8 audio mixes (Power Level = 40mW)
Mode 7: Transmit at K54 Band by 4-channel wideband spatial diversity (Power Level = 20mW)
Mode 8: Transmit at K54 Band by Axient Digital Standard (PTP) (Power Level = 50mW)
Mode 9: Transmit at K54 Band by Axient Digital Standard combined (PTP) (Power Level = 20mW)
Mode 10: Transmit at K54 Band by Narrowband, frequency diversity combined (Power Level = 20mW)
Mode 11: Transmit at K54 Band by 4-channel wideband frequency diversity (Power Level = 20mW)

2.2. Test Software

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

2.3. Applied Standards

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

- FCC Part 15.236
- KDB 206256 D01v03
- ANSI C63.10-2013
- 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
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2025-09-02	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE11268	1 year	2024-12-14	WZ-TR3
Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2025-02-03	WZ-SR5
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2025-05-12	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2025-05-20	WZ-SR5
Audio Analyzer	R&S	UPV	MRTSUE06357	1 year	2025-04-11	WZ-SR5
Multifunction Synthesizer	HP	HP8904A	MRTSUE06097	1 year	2025-07-18	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2025-05-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11077	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11078	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11079	1 year	2025-06-05	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11080	1 year	2025-06-05	WZ-SR5
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2025-05-12	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2025-09-05	WZ-SR2
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2025-04-17	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2024-10-11	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2025-05-06	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2025-04-18	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2024-11-07	WZ-AC2

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	2.03C	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
15.236(f) (1&2)	Occupied Bandwidth	Conducted	Pass
15.236(f)(1)(iii)	Frequency Tolerance		Pass
15.236(g) (1&2&3)	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 150kHz - 30MHz	Line Conducted	Pass

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

5.2. 99% Occupied Bandwidth Measurement

5.2.1. Test Limit

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.

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.

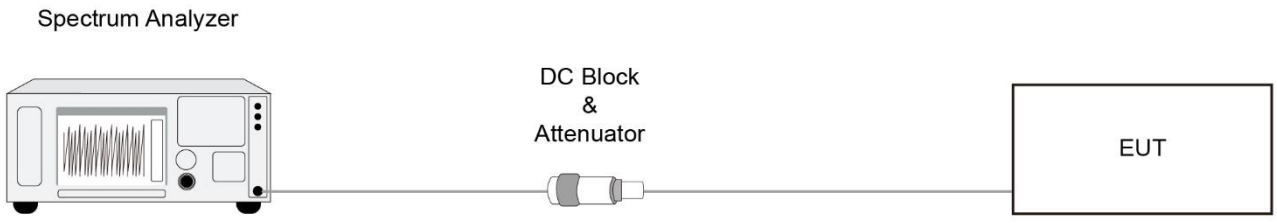
5.2.2. Test Procedure

ANSI C63.10-2013 - 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 ≥ 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 ±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 C63.10-2013 - Section 6.8

5.3.3. Test Setting

The EUT was programmed to transmit with an unmodulated carrier.

Frequency Stability Under Temperature Variations:

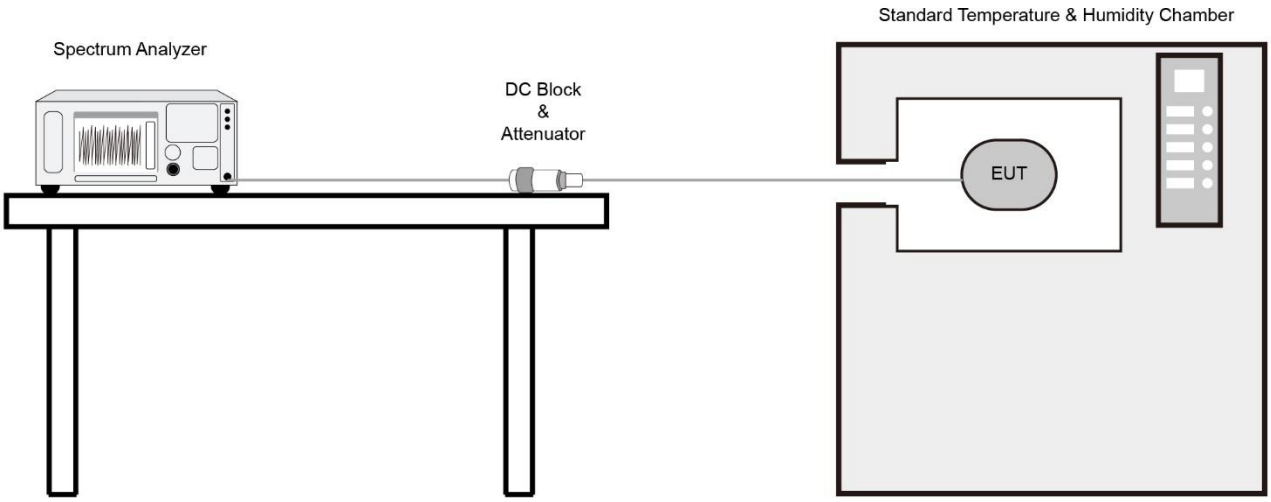
The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired 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 (±15%) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Emission Mask Measurement

5.4.1. Test Limit

(1) Analog systems. Emissions within the band from 2.5 × B below to 2.5 × B above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 1 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 15.38).

(2) 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 § 15.38).

(3) Wireless Multichannel Audio Systems. Emissions within the band from 2.5 × B below to 2.5 × B above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 3 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11), (incorporated by reference, see § 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 × log10 (RBW/100 kHz) for correction.

Correction Factor for different B and applicable RBW

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

5.4.2. Test Procedure

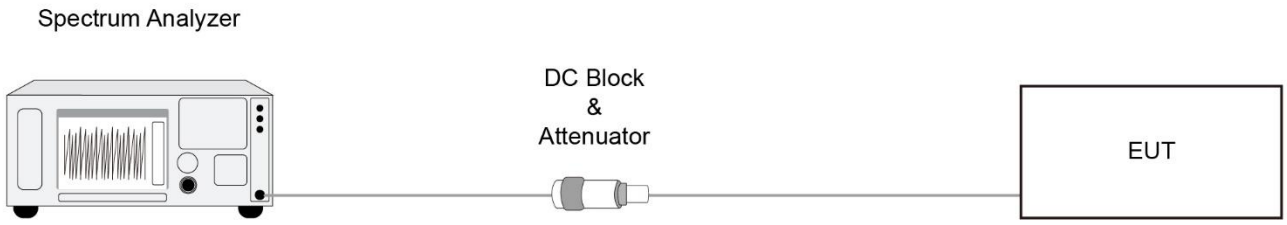
EN 300 422-1 V2.2.1 clause 5.4.3.2.

5.4.3. Test Setting

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

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

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Output Power Measurement

5.5.1. Test Limit

(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.

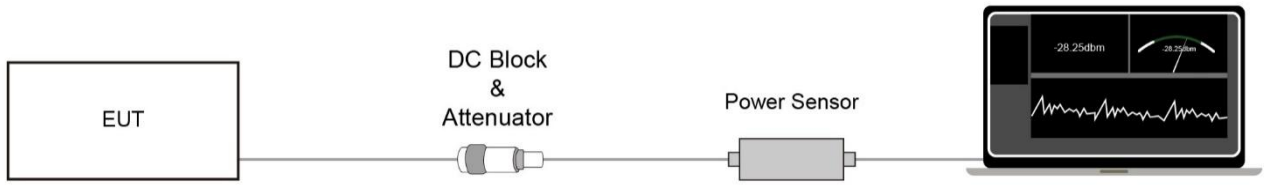
5.5.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.9.2.3.2

5.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.4.

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

Table 5: Frequency range for measurement of unwanted emissions

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

5.6.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.

5.6.3. 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.

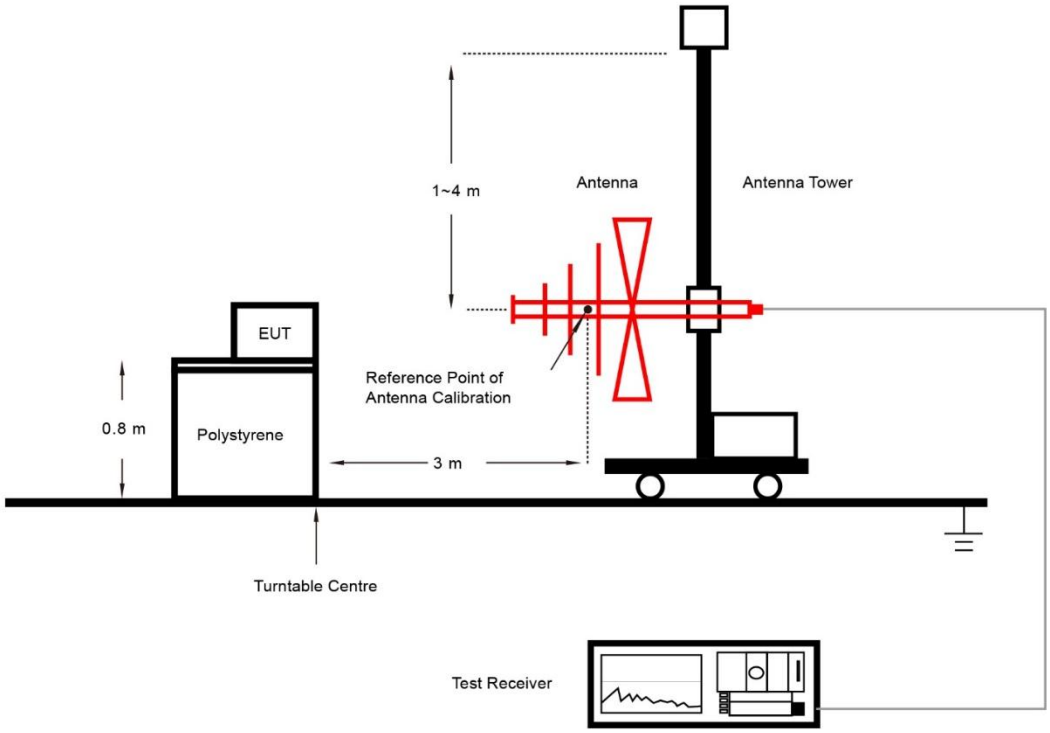
All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

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

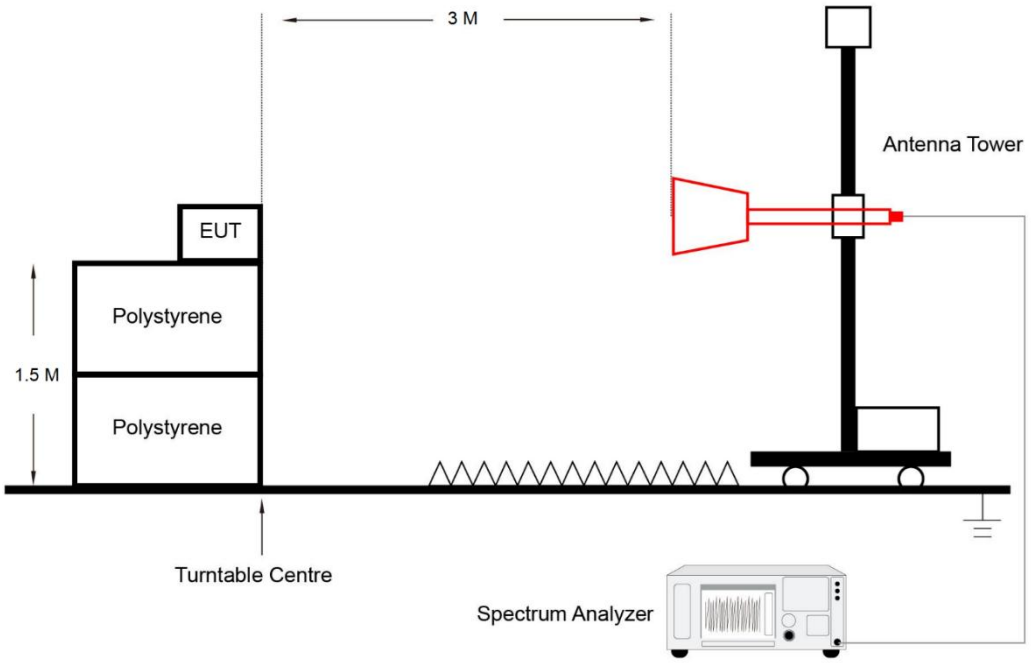
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.6.5. Test Result

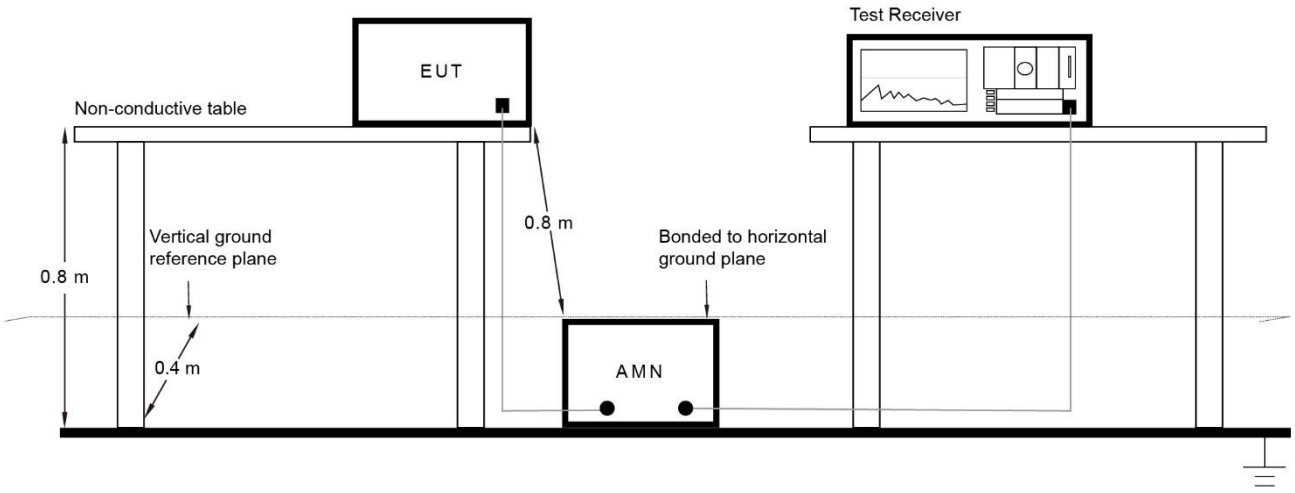
Refer to Appendix A.5.

5.7. AC Conducted Emissions Measurement

5.7.1. 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.		

5.7.2. Test Setup



5.7.3. Test Result

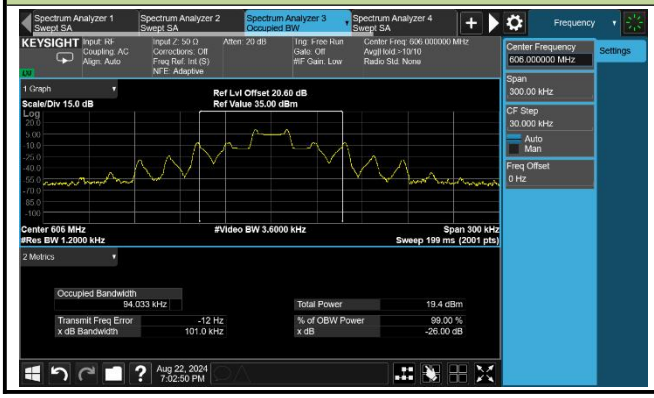
Refer to Appendix A.6.

Appendix A – Test Result

A.1 99% Occupied Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-22	Test Mode	Mode 1

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
606.000	94.033	< 200	Pass

99% Occupied Bandwidth	
606.000MHz	
	

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

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
606.000	152.950	< 200	Pass

99% Occupied Bandwidth	
606.000MHz	
	

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-26	Test Mode	Mode 6

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
606.275	600.000	< 6000	Pass

99% Occupied Bandwidth	
606.275MHz	
	

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-11-08	Test Mode	Mode 8

Frequency (MHz)	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
606.000	180.250	< 200	Pass

99% Occupied Bandwidth	
606.000MHz	
	

A.2 Frequency Tolerance Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2024-10-10 ~ 2024-10-11	Test Frequency	606MHz

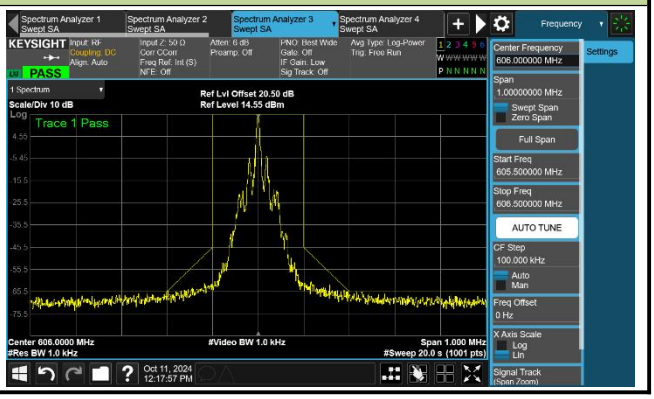
Voltage (%)	Power (AC)	Temp (°C)	Frequency Tolerance (%)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	120	- 20	-0.00001799	-0.00001733	-0.00001683	-0.00001683
		-10	-0.00001815	-0.00001865	-0.00001815	-0.00001749
		0	-0.00000413	-0.00000677	-0.00001601	-0.00001749
		+ 10	-0.00001766	-0.00001815	-0.00001716	-0.00001700
		+ 20	-0.00000644	-0.00001238	-0.00001469	-0.00001485
		+ 30	-0.00001287	0.00000215	0.00000479	-0.00000710
		+ 40	-0.00001188	-0.00001370	-0.00001353	-0.00001320
		+ 50	-0.00001683	-0.00001914	-0.00001898	-0.00001815
115	138	+ 20	-0.00000809	-0.00001287	-0.00001403	-0.00001419
85	102	+ 20	-0.00000908	-0.00001386	-0.00001452	-0.00001518
Limit	0.005%					
Result	Pass					

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

A.3 Emission Mask Test Result

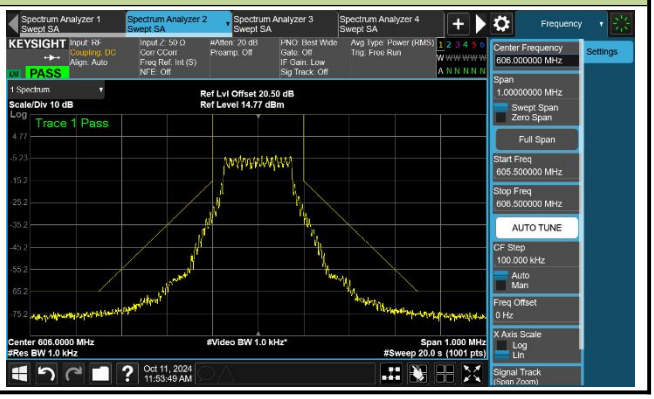
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-11	Test Mode	Mode 1

Port B
606.000MHz

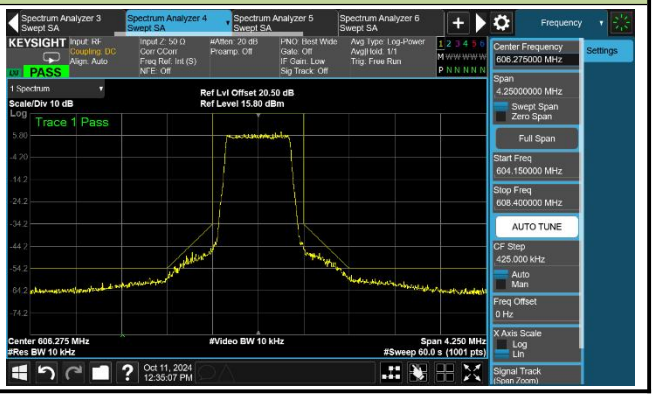


Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-11	Test Mode	Mode 3

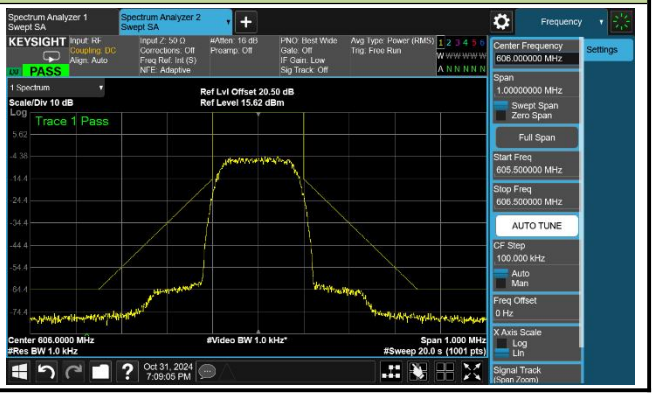
Port B
606.000MHz



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-11	Test Mode	Mode 6

Port B
606.275MHz
 

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-31	Test Mode	Mode 8

Port B	
606.000MHz	
	

A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-25	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		
50/10mW Power Level							
606.000	14.96	14.18	0.30	15.26	14.48	≤ 16.99	Pass
607.875	14.88	14.10	0.30	15.18	14.40	≤ 16.99	Pass
614.125	9.61	8.19	0.30	9.91	8.49	≤ 13.01	Pass
615.875	9.64	8.29	0.30	9.94	8.59	≤ 13.01	Pass
657.000	8.56	8.59	0.30	8.86	8.89	≤ 13.01	Pass
662.875	8.33	8.57	0.30	8.63	8.87	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-25	Test Mode	Mode 1 Multi Port

Frequency (MHz)	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.000	13.21	13.52	16.38	0.30	16.68	≤ 16.99	Pass
607.875	13.12	13.45	16.30	0.30	16.60	≤ 16.99	Pass
614.125	9.61	8.19	11.97	0.30	12.27	≤ 13.01	Pass
615.875	9.64	8.29	12.03	0.30	12.33	≤ 13.01	Pass
657.000	8.56	8.59	11.59	0.30	11.89	≤ 13.01	Pass
662.875	8.33	8.57	11.46	0.30	11.76	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10)+ 10^(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	2024-10-25	Test Mode	Mode 2

Frequency (MHz)		Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
F1	F2					
20/10mW Power Level						
606.000	606.350	15.94	0.30	16.24	≤ 16.99	Pass
607.875	607.525	15.74	0.30	16.04	≤ 16.99	Pass
614.125	614.475	12.53	0.30	12.83	≤ 13.01	Pass
615.875	615.525	12.34	0.30	12.64	≤ 13.01	Pass
657.000	657.350	11.70	0.30	12.00	≤ 13.01	Pass
662.875	662.525	11.33	0.30	11.63	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-25	Test Mode	Mode 3 Single Port

Frequency (MHz)	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP (dBm)		Limit (dBm)	Test Result
	Port A	Port B		Port A	Port B		
50/10mW Power Level							
606.000	14.54	14.97	0.30	14.84	15.27	≤ 16.99	Pass
607.875	14.48	14.95	0.30	14.78	15.25	≤ 16.99	Pass
614.125	9.31	8.76	0.30	9.61	9.06	≤ 13.01	Pass
615.875	9.28	8.83	0.30	9.58	9.13	≤ 13.01	Pass
657.000	8.27	9.13	0.30	8.57	9.43	≤ 13.01	Pass
662.875	8.51	8.62	0.30	8.81	8.92	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-25	Test Mode	Mode 3 Multi Port

Frequency (MHz)	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.000	12.23	12.30	15.28	0.30	15.58	≤ 16.99	Pass
607.875	12.16	12.24	15.21	0.30	15.51	≤ 16.99	Pass
614.125	9.31	8.76	12.05	0.30	12.35	≤ 13.01	Pass
615.875	9.28	8.83	12.07	0.30	12.37	≤ 13.01	Pass
657.000	8.27	9.13	11.73	0.30	12.03	≤ 13.01	Pass
662.875	8.51	8.62	11.58	0.30	11.88	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10)+ 10^(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	2024-10-25	Test Mode	Mode 4

Frequency (MHz)		Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
F1	F2					
20/10mW Power Level						
606.000	606.350	15.71	0.30	16.01	≤ 16.99	Pass
607.875	607.525	15.53	0.30	15.83	≤ 16.99	Pass
614.125	614.475	12.65	0.30	12.95	≤ 13.01	Pass
615.875	615.525	12.63	0.30	12.93	≤ 13.01	Pass
657.000	657.350	12.30	0.30	12.60	≤ 13.01	Pass
662.875	662.525	12.08	0.30	12.38	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-10-25	Test Mode	Mode 5

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.000	12.14	13.97	16.16	0.30	16.46	≤ 16.99	Pass
607.875	12.21	13.45	15.88	0.30	16.18	≤ 16.99	Pass
614.125	9.16	10.37	12.82	0.30	13.12	≤ 13.01	Pass
615.875	10.11	10.74	13.45	0.30	13.75	≤ 13.01	Pass
657.000	9.85	10.27	13.08	0.30	13.38	≤ 13.01	Pass
662.875	9.53	10.05	12.81	0.30	13.11	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10)+ 10^(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	2024-10-25	Test Mode	Mode 6 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Antenna Gain (dBi)	EIRP (dBm)		Limit (dBm)	Test Result
	Port A	Port B		Port A	Port B		
50/10mW Power Level							
606.275	14.89	14.62	0.30	15.19	14.92	≤ 16.99	Pass
607.600	14.88	14.51	0.30	15.18	14.81	≤ 16.99	Pass
657.000	8.96	8.60	0.30	9.26	8.90	≤ 13.01	Pass
662.600	8.99	8.46	0.30	9.29	8.76	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

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

Frequency (MHz)	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.275	12.11	11.69	14.92	0.30	15.22	≤ 16.99	Pass
607.600	11.85	11.36	14.62	0.30	14.92	≤ 16.99	Pass
657.000	8.96	8.60	11.79	0.30	12.09	≤ 13.01	Pass
662.600	8.99	8.46	11.74	0.30	12.04	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10)+ 10^(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	2024-10-25	Test Mode	Mode 7

Frequency (MHz)	Conducted Output Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.275	12.74	12.67	15.72	0.30	16.02	≤ 16.99	Pass
607.600	12.61	12.54	15.59	0.30	15.89	≤ 16.99	Pass
657.000	10.61	11.68	14.19	0.30	14.49	≤ 13.01	Pass
662.600	10.14	11.45	13.85	0.30	14.15	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10) +10^(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	2024-10-25	Test Mode	Mode 8 Single Port

Frequency (MHz)	Conducted Output Power (dBm)		Antenna Gain (dBi)	EIRP (dBm)		Limit (dBm)	Test Result
	Port A	Port B		Port A	Port B		
50/10mW Power Level							
606.000	15.03	15.02	0.30	15.33	15.32	≤ 16.99	Pass
607.875	15.32	14.85	0.30	15.62	15.15	≤ 16.99	Pass
614.125	9.21	8.89	0.30	9.51	9.19	≤ 13.01	Pass
615.875	9.03	8.82	0.30	9.33	9.12	≤ 13.01	Pass
657.000	9.22	9.37	0.30	9.52	9.67	≤ 13.01	Pass
662.875	9.19	9.26	0.30	9.49	9.56	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

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

Frequency (MHz)	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Antenna Gain (dBi)	Total EIRP (dBm)	Limit (dBm)	Test Result
	Port A	Port B					
20/10mW Power Level							
606.000	11.65	11.29	14.48	0.30	14.78	≤ 16.99	Pass
607.875	11.35	11.65	14.51	0.30	14.81	≤ 16.99	Pass
614.125	9.21	8.89	12.06	0.30	12.36	≤ 13.01	Pass
615.875	9.03	8.82	11.94	0.30	12.24	≤ 13.01	Pass
657.000	9.22	9.37	12.31	0.30	12.61	≤ 13.01	Pass
662.875	9.19	9.26	12.24	0.30	12.54	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

Note 3: Total Conducted Output Power (dBm) = 10*log(10^(Port A/10)+ 10^(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	2024-10-25	Test Mode	Mode 9

Frequency (MHz)		Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
F1	F2					
20/10mW Power Level						
606.000	606.350	11.79	0.30	12.09	≤ 16.99	Pass
607.875	607.525	11.82	0.30	12.12	≤ 16.99	Pass
614.125	614.475	9.01	0.30	9.31	≤ 13.01	Pass
615.875	615.525	9.04	0.30	9.34	≤ 13.01	Pass
657.000	657.350	9.72	0.30	10.02	≤ 13.01	Pass
662.875	662.525	9.60	0.30	9.90	≤ 13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

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

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

A.5 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-09-13 ~ 2024-09-14	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	211.875	-103.7	31.1	-72.6	-54.0	-18.6	Peak	Horizontal
	722.289	-103.0	37.6	-65.4	-54.0	-11.4	Peak	Horizontal
	97.803	-105.4	39.2	-66.2	-54.0	-12.2	Peak	Vertical
	575.819	-100.0	35.4	-64.6	-54.0	-10.6	Peak	Vertical
	1192.600	-65.7	7.0	-58.7	-30.0	-28.7	Peak	Horizontal
	2411.800	-65.7	10.2	-55.5	-30.0	-25.5	Peak	Horizontal
	1419.400	-67.4	8.7	-58.7	-30.0	-28.7	Peak	Vertical
	2430.400	-65.4	9.7	-55.7	-30.0	-25.7	Peak	Vertical
607.875 + 607.525	215.561	-104.8	31.6	-73.2	-54.0	-19.2	Peak	Horizontal
	738.391	-102.2	37.6	-64.6	-54.0	-10.6	Peak	Horizontal
	93.729	-105.5	38.9	-66.6	-54.0	-12.6	Peak	Vertical
	584.937	-98.7	35.4	-63.3	-54.0	-9.3	Peak	Vertical
	2189.200	-68.8	10.7	-58.1	-30.0	-28.1	Peak	Horizontal
	6099.400	-72.6	18.1	-54.5	-30.0	-24.5	Peak	Horizontal
	1430.800	-67.2	8.7	-58.5	-30.0	-28.5	Peak	Vertical
	2812.000	-67.3	10.2	-57.1	-30.0	-27.1	Peak	Vertical

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

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

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-09-13 ~ 2024-09-14	Test Mode	Mode 4

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000 + 606.350	213.718	-103.7	31.5	-72.2	-54.0	-18.2	Peak	Horizontal
	723.841	-103.2	37.9	-65.3	-54.0	-11.3	Peak	Horizontal
	98.579	-104.5	39.1	-65.4	-54.0	-11.4	Peak	Vertical
	520.626	-98.3	33.7	-64.6	-54.0	-10.6	Peak	Vertical
	1418.800	-66.6	8.8	-57.8	-30.0	-27.8	Peak	Horizontal
	4811.800	-70.1	15.7	-54.4	-30.0	-24.4	Peak	Horizontal
	1668.400	-67.2	8.8	-58.4	-30.0	-28.4	Peak	Vertical
	4817.200	-70.9	15.3	-55.6	-30.0	-25.6	Peak	Vertical
607.875 + 607.525	202.369	-102.7	29.9	-72.8	-54.0	-18.8	Peak	Horizontal
	689.600	-101.5	36.7	-64.8	-54.0	-10.8	Peak	Horizontal
	97.900	-105.5	39.2	-66.3	-54.0	-12.3	Peak	Vertical
	518.201	-98.8	33.8	-65.0	-54.0	-11.0	Peak	Vertical
	1357.600	-67.5	8.6	-58.9	-30.0	-28.9	Peak	Horizontal
	5163.400	-70.5	15.9	-54.6	-30.0	-24.6	Peak	Horizontal
	1426.000	-68.2	9.0	-59.2	-30.0	-29.2	Peak	Vertical
	2407.000	-65.2	9.9	-55.3	-30.0	-25.3	Peak	Vertical

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

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

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

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-09-13 ~ 2024-09-14	Test Mode	Mode 9

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000 + 606.350	217.307	-103.7	31.6	-72.1	-54.0	-18.1	Peak	Horizontal
	735.578	-102.7	37.3	-65.4	-54.0	-11.4	Peak	Horizontal
	96.154	-104.3	39.3	-65.0	-54.0	-11.0	Peak	Vertical
	594.055	-98.7	35.0	-63.7	-54.0	-9.7	Peak	Vertical
	1425.400	-66.7	9.3	-57.4	-30.0	-27.4	Peak	Horizontal
	2416.000	-61.2	10.2	-51.0	-30.0	-21.0	Peak	Horizontal
	1440.400	-65.8	8.3	-57.5	-30.0	-27.5	Peak	Vertical
	2160.400	-67.0	9.9	-57.1	-30.0	-27.1	Peak	Vertical
607.875 + 607.525	221.866	-103.2	31.2	-72.0	-54.0	-18.0	Peak	Horizontal
	684.362	-101.3	36.3	-65.0	-54.0	-11.0	Peak	Horizontal
	97.221	-103.4	39.0	-64.4	-54.0	-10.4	Peak	Vertical
	501.614	-97.5	33.9	-63.6	-54.0	-9.6	Peak	Vertical
	1355.800	-65.5	8.6	-56.9	-30.0	-26.9	Peak	Horizontal
	2420.800	-58.6	10.2	-48.4	-30.0	-18.4	Peak	Horizontal
	1423.600	-67.0	9.0	-58.0	-30.0	-28.0	Peak	Vertical
	2189.800	-68.2	11.0	-57.2	-30.0	-27.2	Peak	Vertical

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

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

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

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
614.125 + 614.475	220.993	-103.4	31.3	-72.1	-54.0	-18.1	Peak	Horizontal
	745.569	-102.1	36.9	-65.1	-54.0	-11.1	Peak	Horizontal
	102.750	-103.7	38.2	-65.6	-54.0	-11.6	Peak	Vertical
	479.983	-96.2	33.0	-63.2	-54.0	-9.2	Peak	Vertical
	1258.000	-65.8	6.8	-58.9	-30.0	-28.9	Peak	Horizontal
	3158.200	-66.8	9.7	-57.1	-30.0	-27.1	Peak	Horizontal
	1181.800	-66.0	6.7	-59.3	-30.0	-29.3	Peak	Vertical
	3168.400	-67.0	8.7	-58.4	-30.0	-28.4	Peak	Vertical
615.875 + 615.525	220.896	-104.0	31.3	-72.6	-54.0	-18.6	Peak	Horizontal
	724.326	-102.9	37.5	-65.5	-54.0	-11.5	Peak	Horizontal
	98.191	-105.0	39.1	-65.9	-54.0	-11.9	Peak	Vertical
	594.055	-97.1	35.0	-62.1	-54.0	-8.1	Peak	Vertical
	1409.800	-65.8	6.9	-58.9	-30.0	-28.9	Peak	Horizontal
	3131.200	-66.6	9.9	-56.8	-30.0	-26.8	Peak	Horizontal
	1178.200	-66.3	6.8	-59.6	-30.0	-29.6	Peak	Vertical
	1878.400	-65.7	6.3	-59.5	-30.0	-29.5	Peak	Vertical

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

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

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

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
657.000 + 657.350	217.404	-103.9	31.6	-72.3	-54.0	-18.3	Peak	Horizontal
	688.145	-101.1	36.6	-64.6	-54.0	-10.6	Peak	Horizontal
	98.967	-103.6	38.8	-64.8	-54.0	-10.8	Peak	Vertical
	604.337	-98.3	35.2	-63.1	-54.0	-9.1	Peak	Vertical
	1415.200	-66.6	7.0	-59.6	-30.0	-29.6	Peak	Horizontal
	3084.400	-65.7	9.5	-56.3	-30.0	-26.3	Peak	Horizontal
	1491.400	-65.8	6.0	-59.8	-30.0	-29.8	Peak	Vertical
	3180.400	-66.3	8.7	-57.7	-30.0	-27.7	Peak	Vertical
662.875 + 662.525	51.728	-105.4	30.6	-74.9	-54.0	-20.9	Peak	Horizontal
	734.705	-102.9	37.3	-65.5	-54.0	-11.5	Peak	Horizontal
	102.362	-103.3	38.3	-65.0	-54.0	-11.0	Peak	Vertical
	594.055	-97.0	35.0	-62.0	-54.0	-8.0	Peak	Vertical
	1524.400	-66.2	6.8	-59.4	-30.0	-29.4	Peak	Horizontal
	3148.000	-66.1	9.8	-56.3	-30.0	-26.3	Peak	Horizontal
	1148.200	-65.5	6.8	-58.7	-30.0	-28.7	Peak	Vertical
	3576.400	-67.4	9.7	-57.7	-30.0	-27.7	Peak	Vertical

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

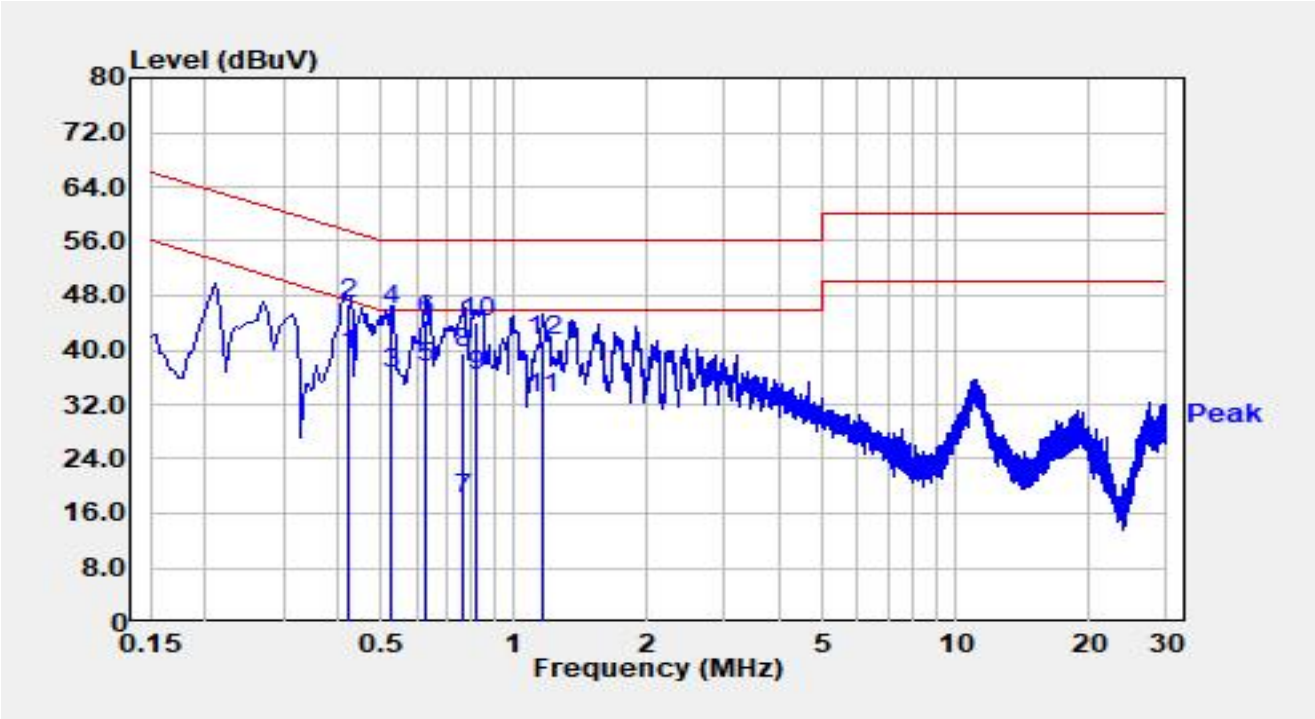
Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

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

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

A.6 AC Conducted Emissions Test Result

Site	WZ-SR2	Test Date	2024-08-25
Test Engineer	Linda Wei	Temp./Humidity	23.8°C/57.1%
Factor	ENV216_101683_L1_Filter Off_C	Polarity	Line1
EUT	Wireless Dual Transmitter	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by Analog FM at 606MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB)	Measurement (dBµV)	Margin (dB)	Limit (dBµV)	Detector
1	*	0.423	29.40	9.89	39.29	-8.09	47.39	Average
2		0.423	36.90	9.89	46.79	-10.59	57.39	QP
3		0.529	26.70	9.94	36.64	-9.36	46.00	Average
4		0.529	36.10	9.94	46.04	-9.96	56.00	QP
5		0.634	27.40	9.97	37.37	-8.63	46.00	Average
6		0.634	34.40	9.97	44.37	-11.63	56.00	QP
7		0.770	8.10	10.03	18.13	-27.87	46.00	Average
8		0.770	29.60	10.03	39.63	-16.37	56.00	QP
9		0.821	26.10	10.05	36.15	-9.85	46.00	Average
10		0.821	33.90	10.05	43.95	-12.05	56.00	QP
11		1.160	22.70	10.12	32.82	-13.18	46.00	Average
12		1.160	31.20	10.12	41.32	-14.68	56.00	QP

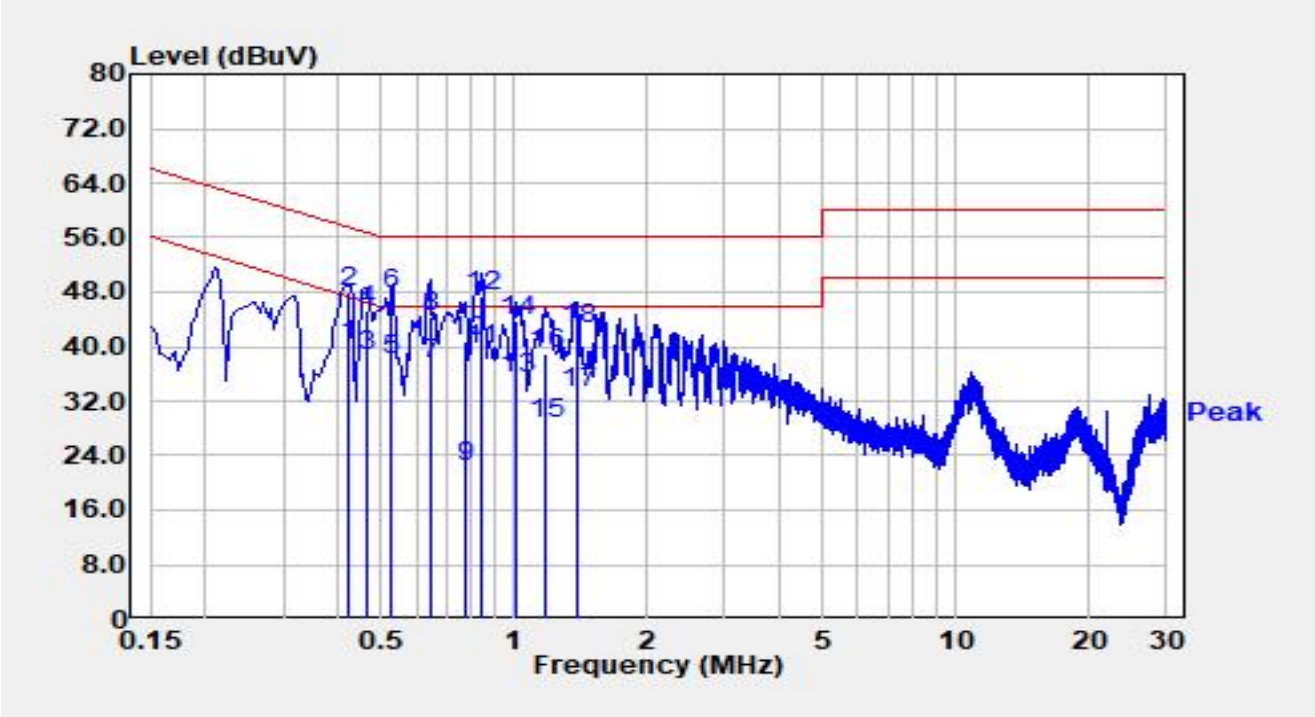
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WZ-SR2	Test Date	2024-08-25
Test Engineer	Linda Wei	Temp./Humidity	23.8°C/57.1%
Factor	ENV216_101683_N_Filter Off_C	Polarity	Neutral
EUT	Wireless Dual Transmitter	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by Analog FM at 606MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB)	Measurement (dBµV)	Margin (dB)	Limit (dBµV)	Detector
1		0.422	30.10	10.14	40.24	-7.17	47.41	Average
2		0.422	37.80	10.14	47.94	-9.47	57.41	QP
3		0.462	28.50	10.16	38.66	-8.00	46.66	Average
4		0.462	35.20	10.16	45.36	-11.30	56.66	QP
5		0.529	28.00	10.18	38.18	-7.82	46.00	Average
6		0.529	37.50	10.18	47.68	-8.32	56.00	QP
7		0.646	27.20	10.23	37.43	-8.57	46.00	Average
8		0.646	34.10	10.23	44.33	-11.67	56.00	QP
9		0.774	12.20	10.28	22.48	-23.52	46.00	Average
10		0.774	30.60	10.28	40.88	-15.12	56.00	QP
11	*	0.842	29.10	10.31	39.41	-6.59	46.00	Average
12		0.842	37.10	10.31	47.41	-8.59	56.00	QP
13		1.010	25.00	10.38	35.38	-10.62	46.00	Average
14		1.010	33.30	10.38	43.68	-12.32	56.00	QP
15		1.170	18.30	10.38	28.68	-17.32	46.00	Average

16		1.170	28.60	10.38	38.98	-17.02	56.00	QP
17		1.390	22.80	10.38	33.18	-12.82	46.00	Average
18		1.390	32.30	10.38	42.68	-13.32	56.00	QP

Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Appendix B - Test Setup Photograph

Refer to “2406RSU021-UT” file.

Appendix C - EUT Photograph

Refer to “2406RSU021-UE” file.