RF MEASUREMENT REPORT

FCC ID:	DD4SLXD3G58
Applicant:	Shure Incorporated
Product:	Plug-on Wireless Transmitter
Model No.:	SLXD3 G58
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:	2023-04-14
Test Date:	2023-04-20 ~ 2023-08-04

Reviewed By: Jame Yuan

Approved By: Robin Wu

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
2304RSU032-U1	V01	Initial Report	2023-08-05	Valid

CONTENTS

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 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: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	Plug-on Wireless Transmitter
Model No.	SLXD3 G58
Serial No.	3CC23618002 (Radiated Testing) 3CC23617102 (Conducted Testing)
Frequency Range	470 ~ 514 MHz
Power Type	Two AA batteries or Li-ion battery or USB (5Vdc)
Operating Temperature	-18 ~ 50°C
Accessories	
Rechargeable Li-ion Battery	Model: SB903 Output: 3.6Vdc, 1200mAh, 4.32Wh

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 ~ 514 MHz
Declared Power Level	1mW & 10mW & 30mW
Type of Modulation	4FSK
Channel Spacing	25kHz
Antenna Type	Dipole
Antenna Gain	1.10 dBi

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

1.6. Working Frequencies

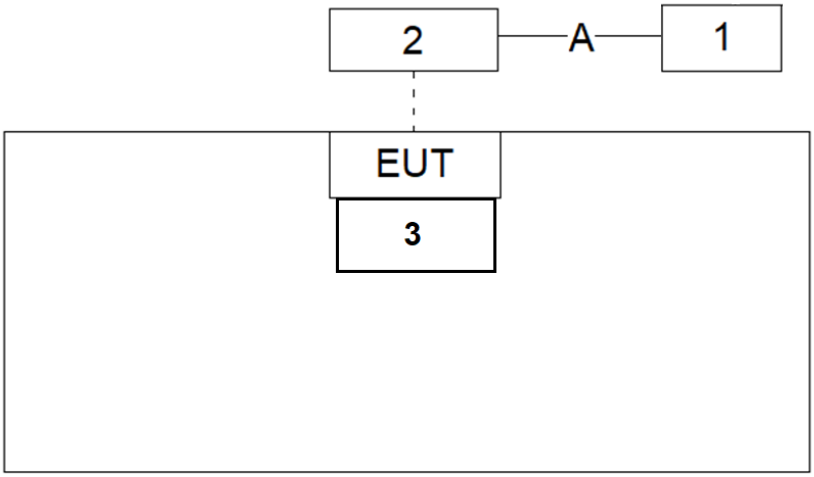
Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
470.125	492.125	514.000

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit one channel at the fixed power level

2.2. Test System Connection Diagram

Connection Diagram


Product		Manufacturer	Model No.
1	Notebook (for RF Test)	Lenovo	E495
2	IR Dongle	Shure	PT21071
3	Premium Modular Shotgun Microphone	Shure	VP89M
Cable Type		Cable Description	
A	USB Cable	Shielded, 1.8m	

2.3. Test Software

The test utility software used during testing was “teraterm”, and the version was V4.85, all test commands were provided by the manufacturer.

2.4. 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 D01v02r01
- ANSI C63.10-2013
- ETSI EN 300 422 - 1 V 1.4.2

2.5. 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
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2023-06-04	WZ-SR2
					2024-05-23	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2023-06-06	WZ-SR2
					2024-05-31	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2023-10-27	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2023-06-06	WZ-SR5
					2024-05-31	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2023-06-04	WZ-SR5
					2024-05-23	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2023-06-04	WZ-SR5
					2024-05-23	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11060	1 year	2023-06-09	WZ-SR5
					2024-06-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11072	1 year	2023-06-09	WZ-SR5
					2024-06-08	WZ-SR5
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2023-10-08	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2023-06-06	WZ-TR3
					2024-05-31	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE07027	1 year	2023-11-25	WZ-TR3
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2023-05-20	WZ-AC2
					2024-05-15	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2023-06-04	WZ-AC2
					2024-05-23	WZ-AC2
Thermohygrometer	Mingle	ETH529	MRTSUE06170	1 year	2023-11-27	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2023-10-13	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2023-05-08	WZ-AC2
					2024-05-07	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2023-04-21	WZ-AC2
				1 year	2024-04-20	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11038	1 year	2023-11-01	WZ-AC2

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
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: 3.58dB 150kHz~30MHz: 3.20dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.59dB Coplanar: 9kHz~30MHz: 2.60dB Horizontal: 30MHz~200MHz: 3.85dB 200MHz~1GHz: 4.36dB 1GHz~40GHz: 4.98dB Vertical: 30MHz~200MHz: 4.06dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.91dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.3dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.5dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 3.2%

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
15.236(f)(2)	Occupied Bandwidth	Conducted	Pass
15.236(f)(3)	Frequency Tolerance		Pass
15.236(g)	Necessary Bandwidth		Pass
15.236(d)(1)	RF Output Power		Pass
15.236(g)	Radiated Spurious Emission	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

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) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Z) was also verified. The test results shown in the following sections represent the worst emissions.
3) Except RF output power and necessary bandwidth items were evaluated all power levels, any others test items were only assessed max power level.

5.2. 99% Occupied Bandwidth Measurement

5.2.1. Test Limit

The operating bandwidth shall not exceed 200 kHz.

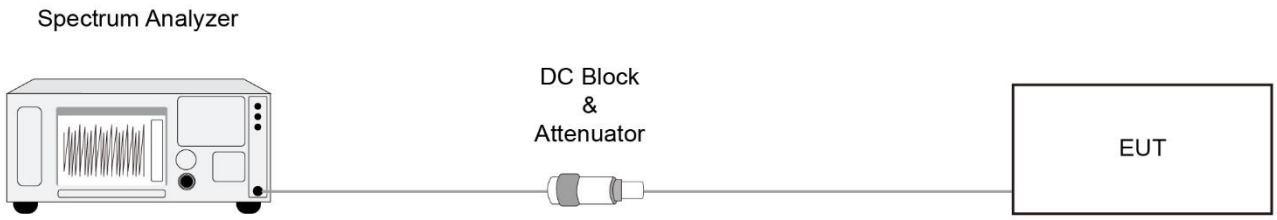
5.2.2. Test Procedure

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:

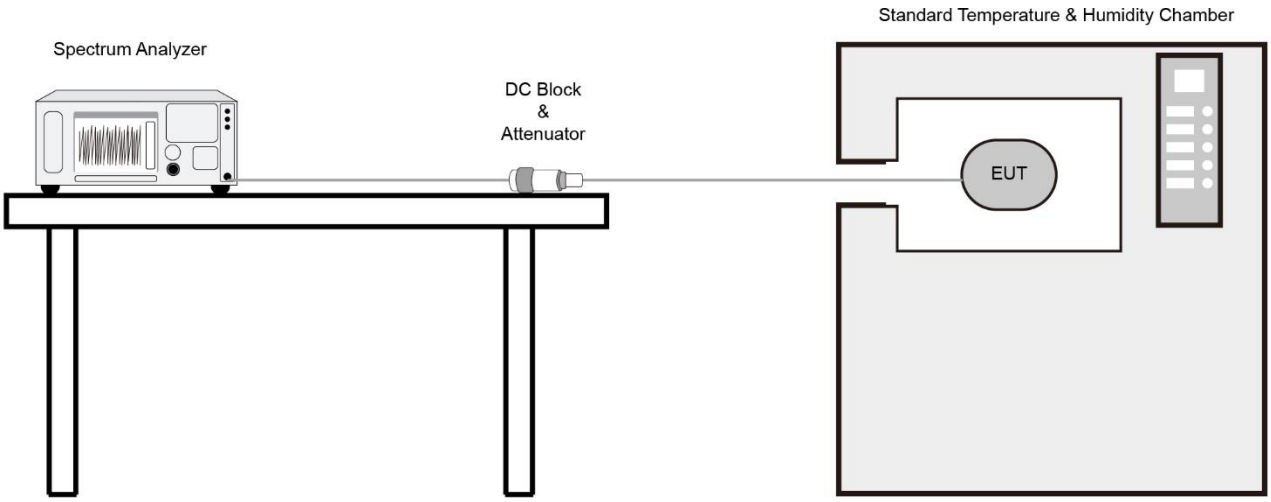
The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired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



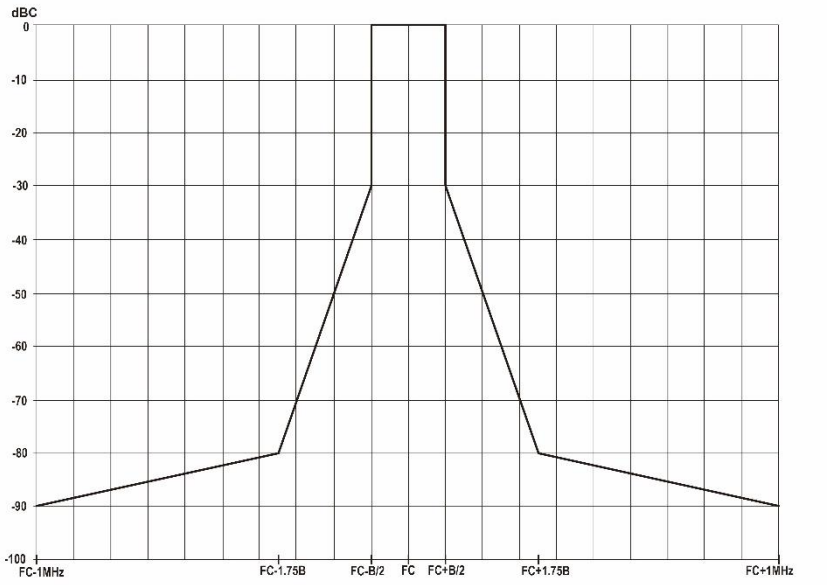
5.3.5. Test Result

Refer to Appendix A.2.

5.4. Necessary Bandwidth Measurement

5.4.1. Test Limit

According to EN 300 422-1 V1.4.2 clause 8.3.2.2, the transmitter output spectrum shall be within the mask defined as below figure.



5.4.2. Test Procedure

ETSI EN 300 422-1 V1.4.2 clause 8.3.2.1.

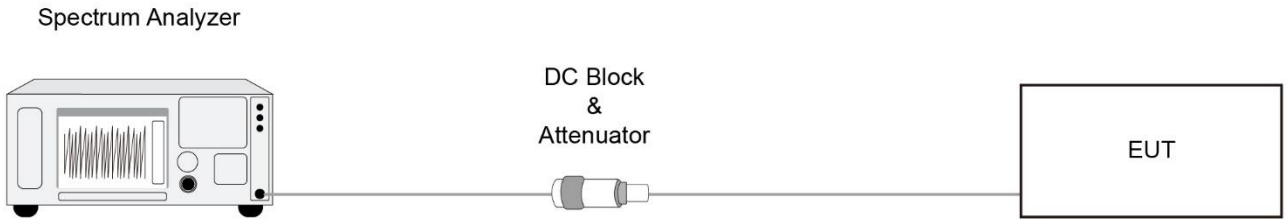
5.4.3. Test Setting

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 center frequency.

Only bottom and top channel is required, at an output power level of 2mW & 10mW & 35mW.

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

In the bands allocated and assigned for broadcast television and in the 600 MHz service band: 50 mW EIRP.

In the 600 MHz guard band and the 600 MHz duplex gap: 20 mW EIRP.

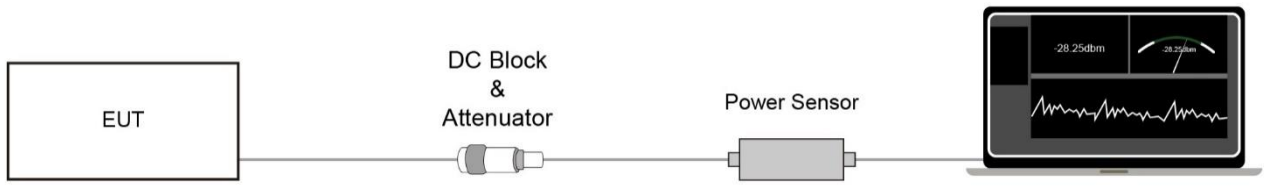
5.5.2. Test Procedure

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

According to FCC Part 15.236(g), emissions outside of this band shall comply with the limits specified in section 8.4.3 of ETSI EN 300 422-1 V1.4.2.

State	Frequency Range		
	47MHz to 74MHz, 87.5MHz to 137MHz 174MHz to 230MHz, 470MHz to 862MHz	Other Frequencies below 1000MHz	Frequencies above 1000MHz
Operation	4nW	250nW	1uW
Standby	2nW	2nW	20nW

5.6.2. Test Procedure

ETSI EN 300 422-1 V1.4.2 clause 8.4.2.

5.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
25 ~ 30 MHz	9 kHz
30 ~ 1000 MHz	100 kHz
1000 ~ 6000 MHz	1 MHz

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

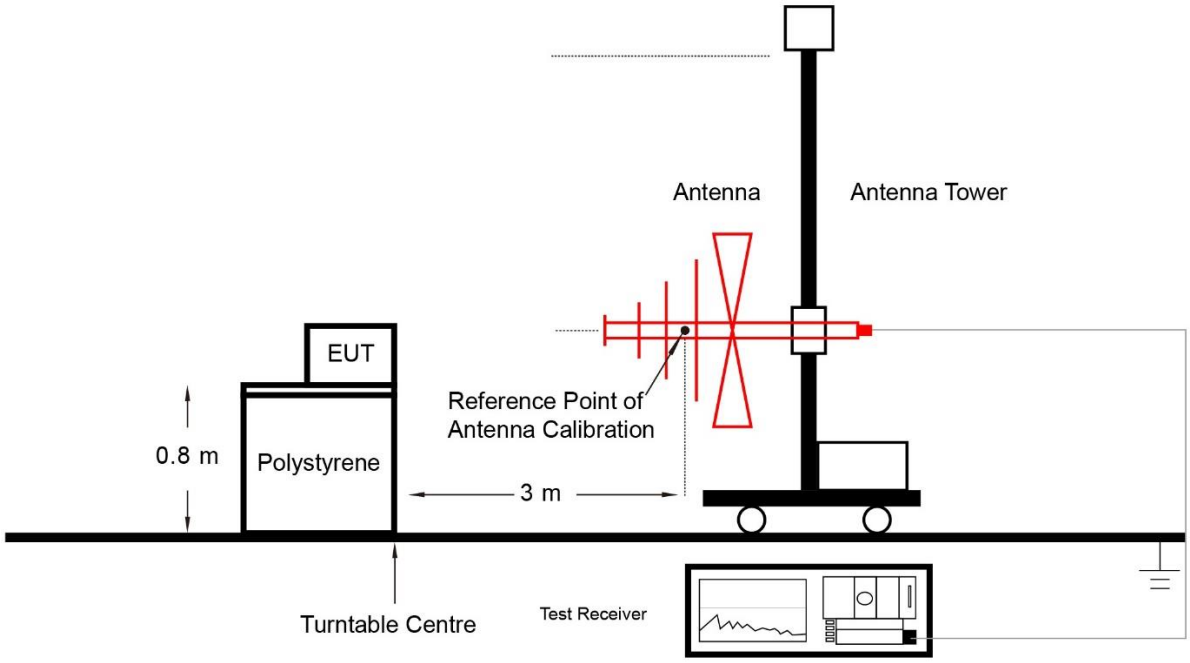
All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

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

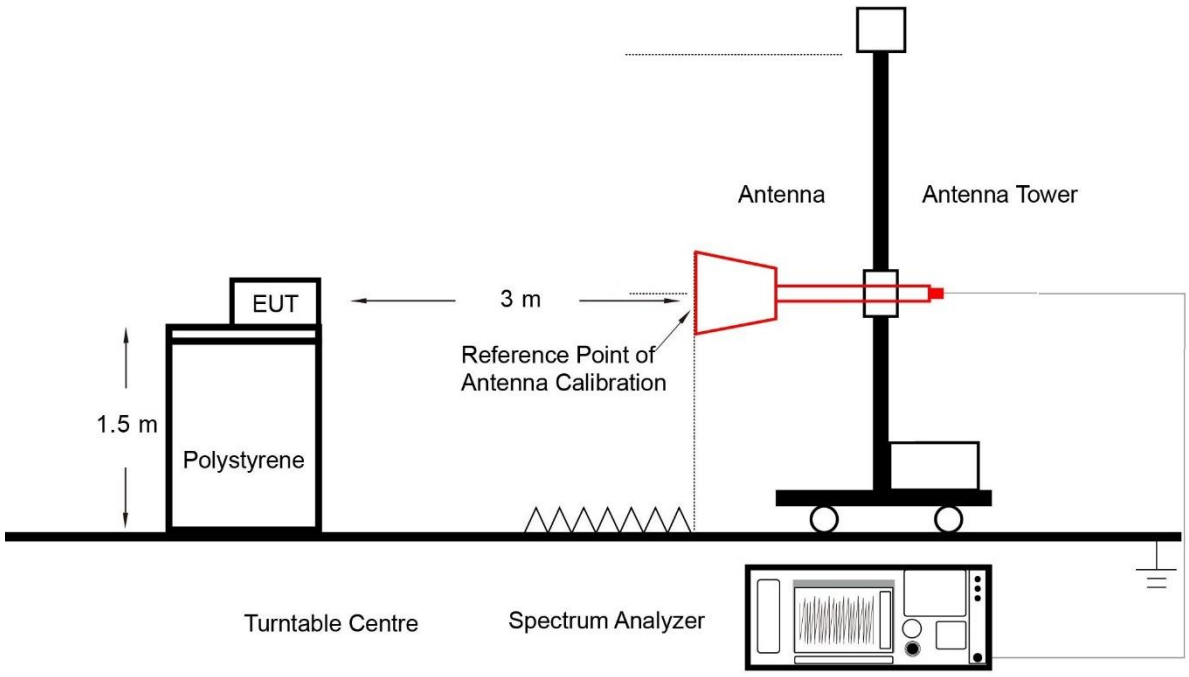
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.6.5. Test Result

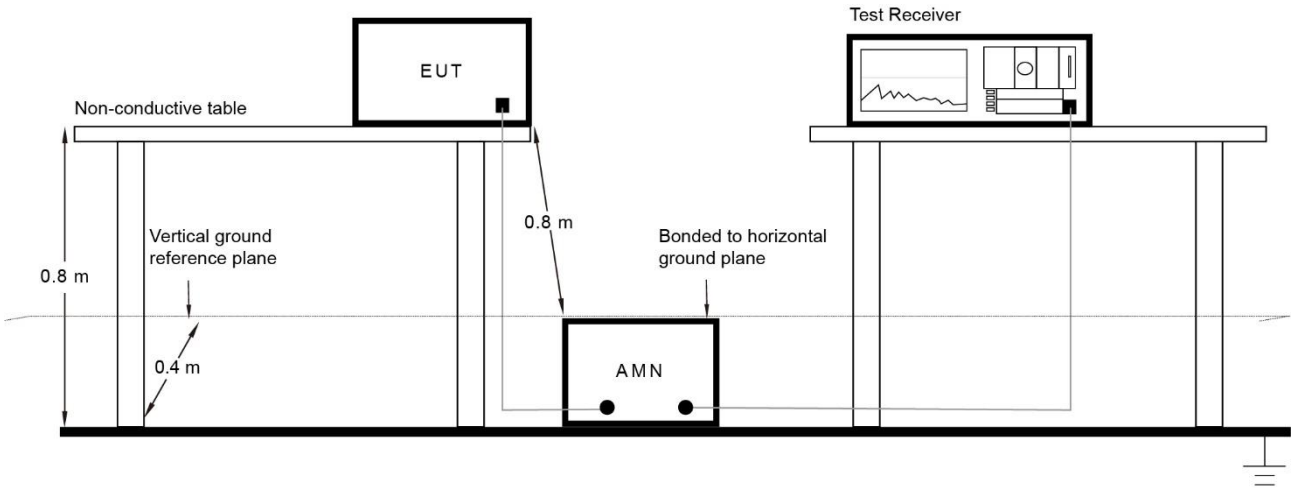
Refer to Appendix A.5.

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

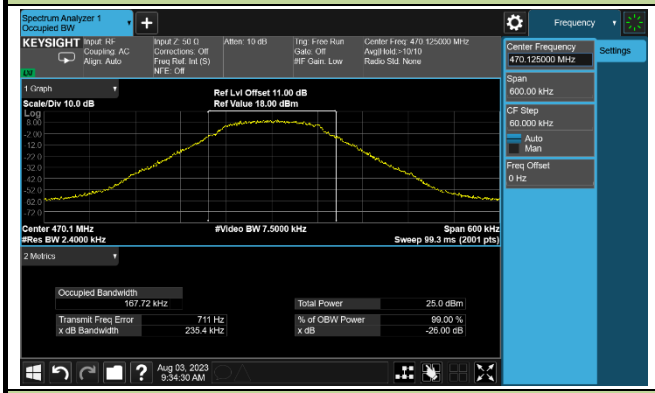
A.1 99% Occupied Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2023-04-20 ~ 2023-08-03		

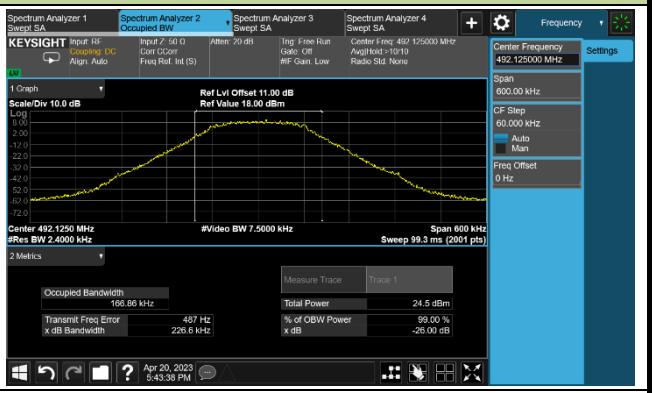
Mode	Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
30mW	470.125	167.72	< 200	Pass
	492.125	166.86	< 200	Pass
	514.000	168.39	< 200	Pass

99% Occupied Bandwidth

470.125 MHz



492.125MHz



514.000MHz

A.2 Frequency Tolerance Test Result

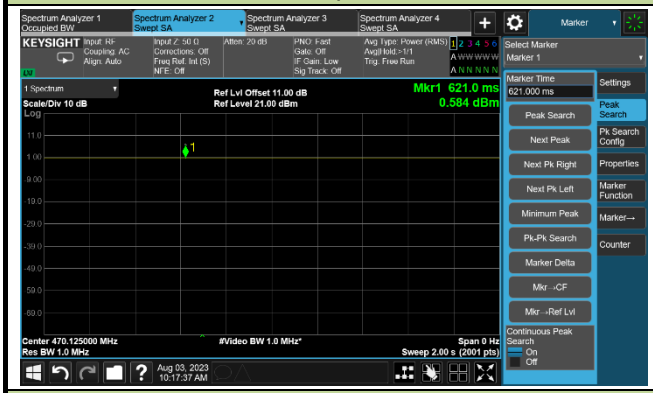
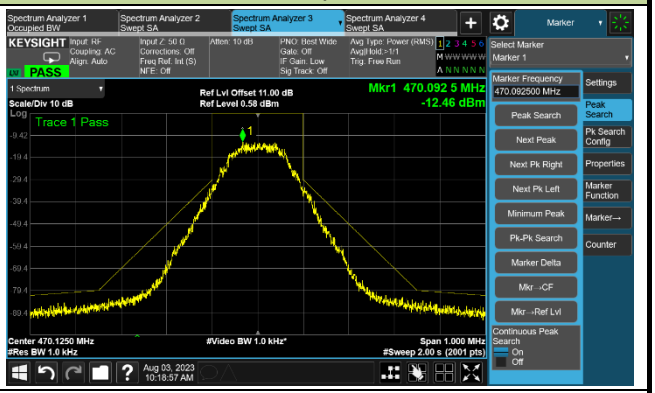
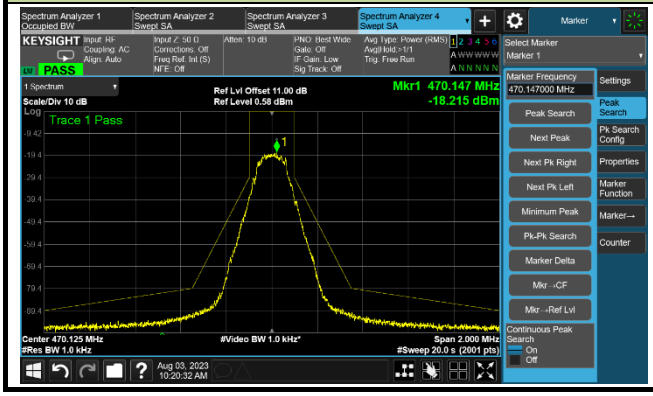
Test Site	WZ-TR3	Test Engineer	Dandy Li
Test Date	2023-08-03	Test Mode	470.125MHz

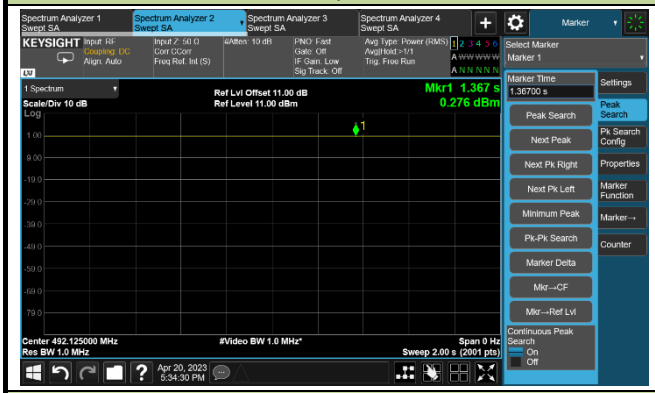
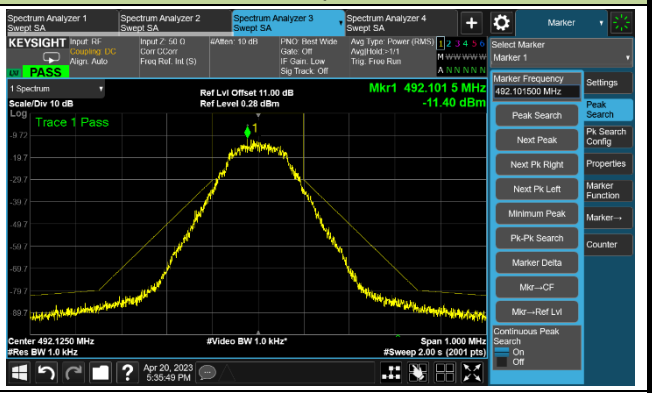
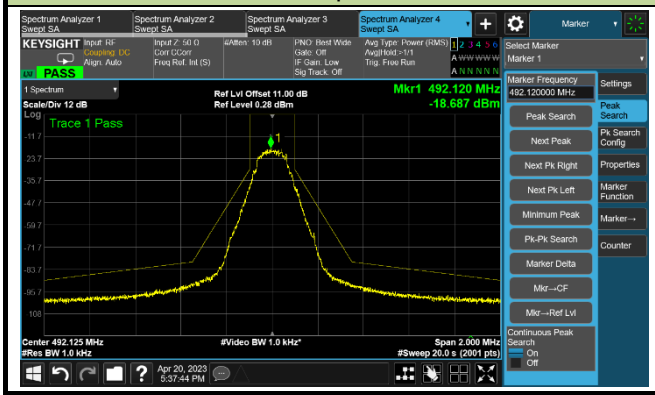
Voltage (%)	Power (DC)	Temp (°C)	Frequency Tolerance (%)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	3.6	- 10	0.000053	0.000054	0.000051	0.000051
		0	0.000054	0.000053	0.000053	0.000053
		+ 10	0.000053	0.000052	0.000052	0.000052
		+ 20	0.000053	0.000052	0.000052	0.000053
		+ 30	0.000052	0.000053	0.000052	0.000053
		+ 40	0.000051	0.000051	0.000050	0.000050
		+ 50	0.000050	0.000051	0.000051	0.000175
115	4.14	+ 20	0.000053	0.000053	0.000052	0.000053
85	3.06	+ 20	0.000053	0.000053	0.000052	0.000053

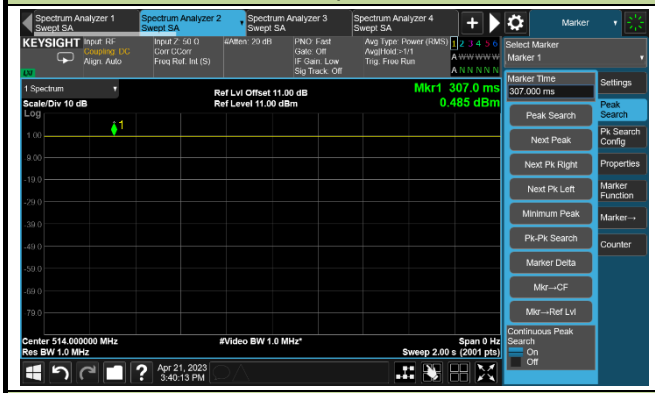
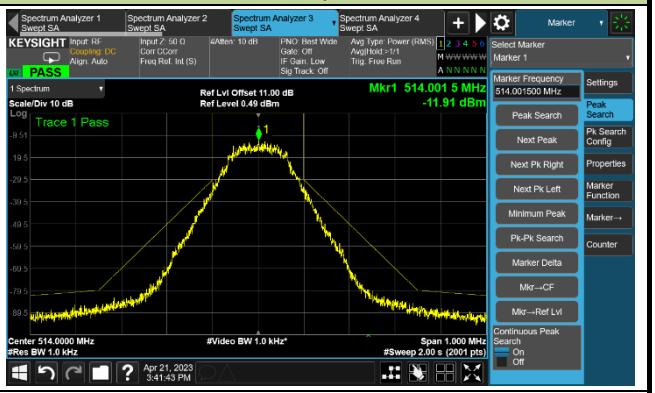
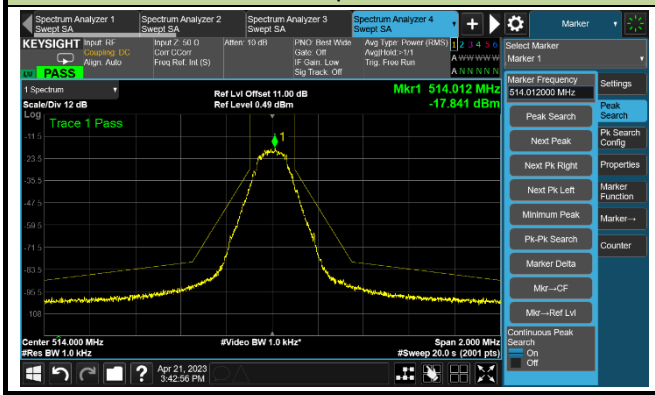
Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^2$.

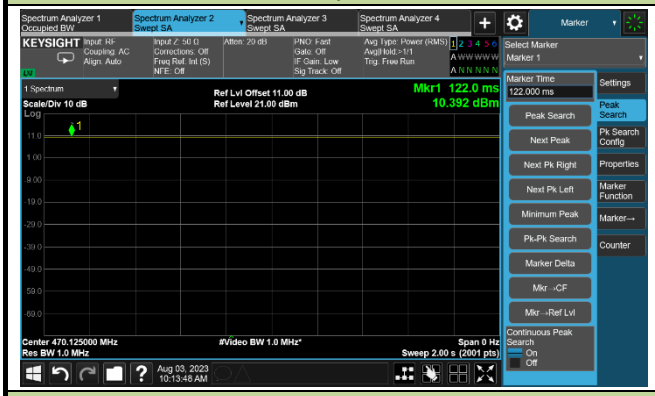
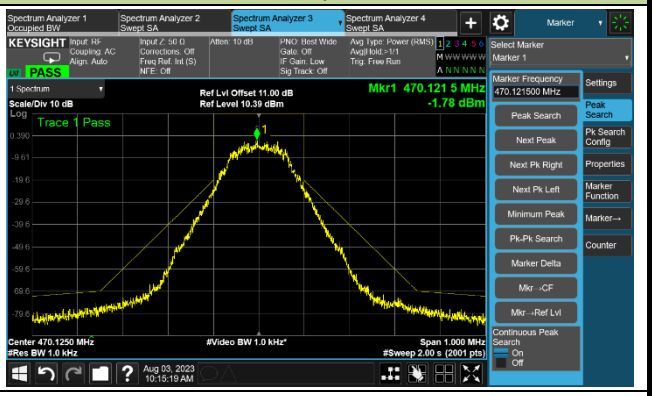
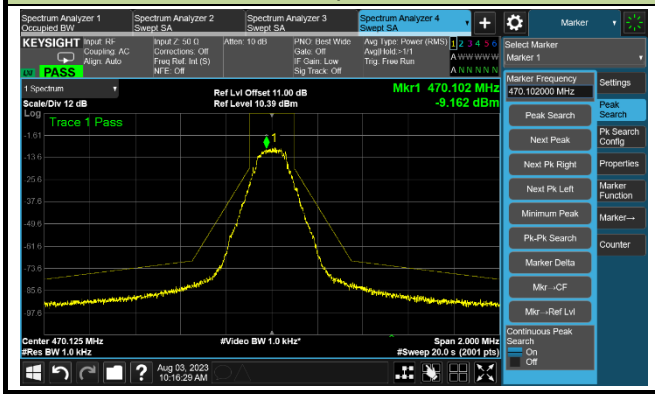
A.3 Necessary Bandwidth Test Result

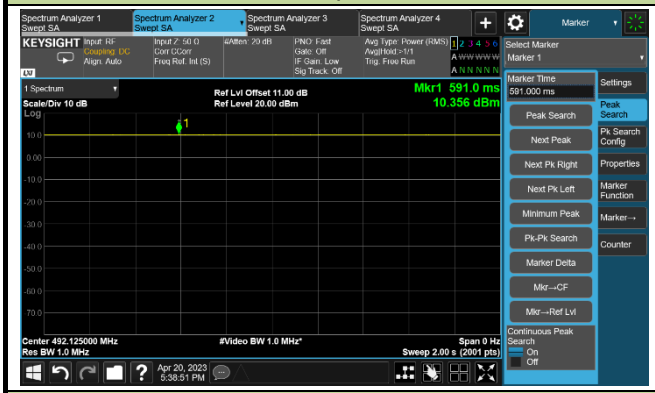
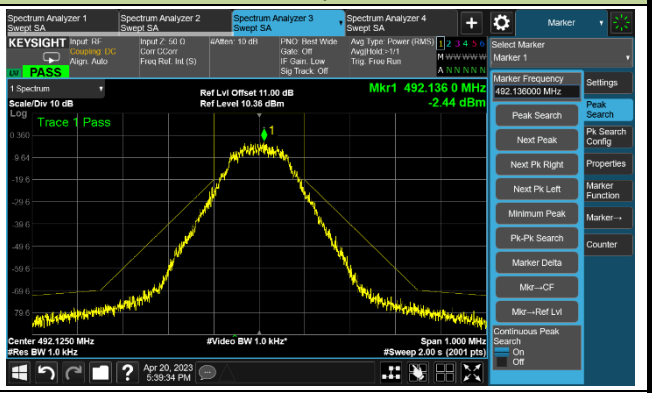
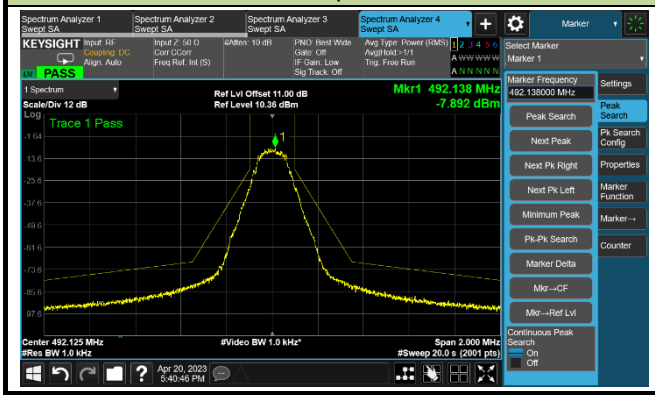
Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2023-04-20 ~ 2023-08-03		

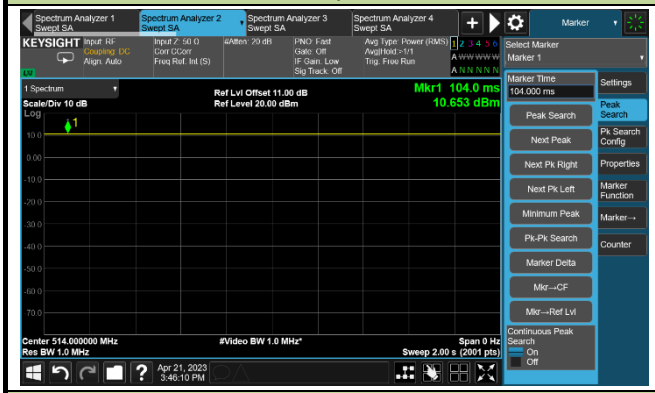
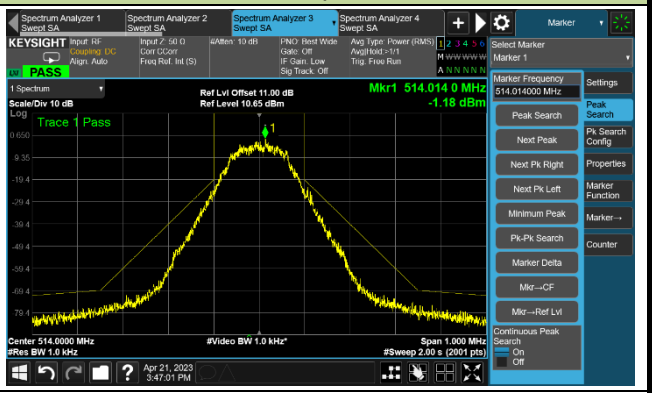
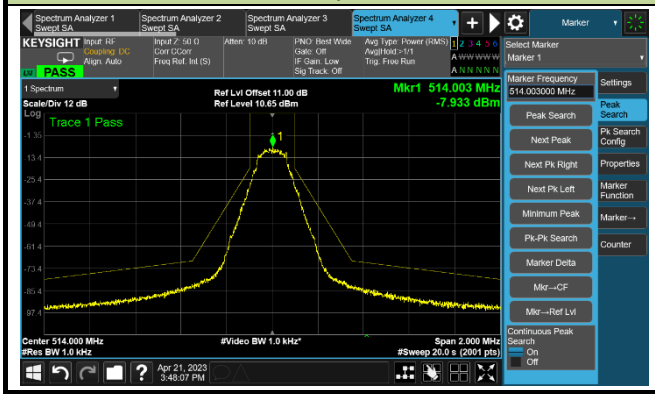
Necessary Bandwidth - 1mW, 470.125MHz	
Step 1	Step 2
	
Step 3	
	

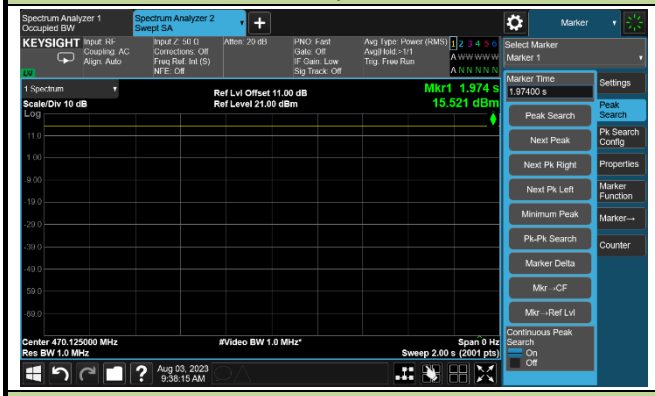
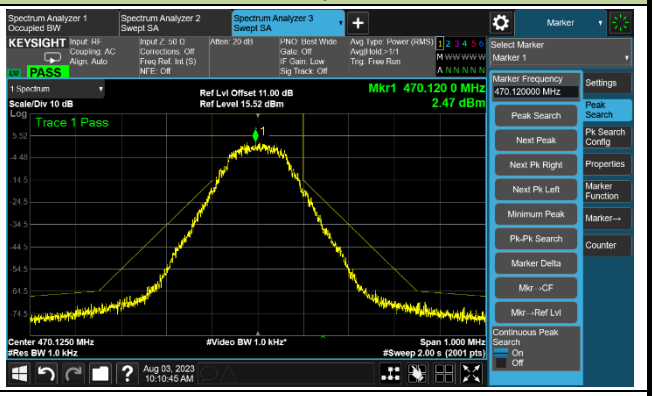
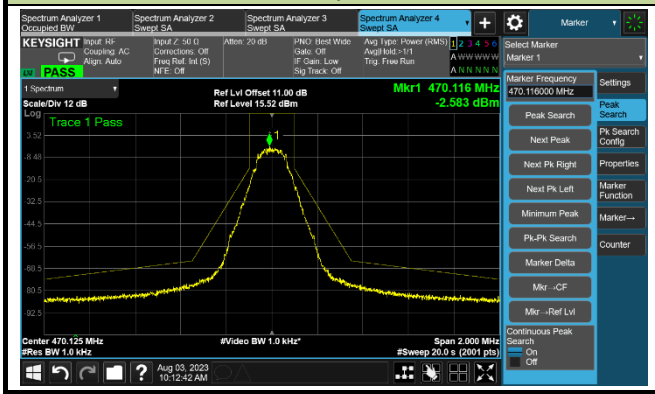
Necessary Bandwidth - 1mW, 492.125MHz	
Step 1	Step 2
	
Step 3	
	

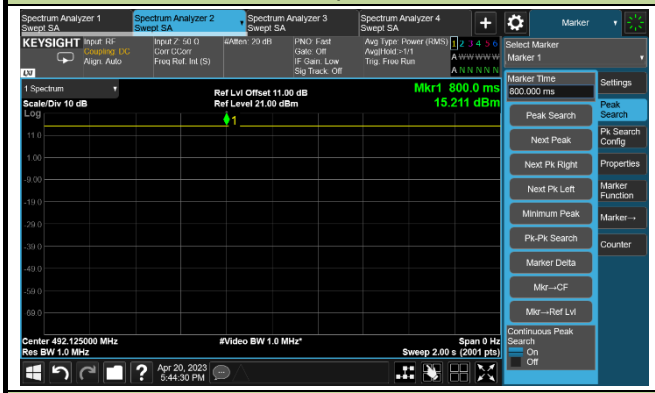
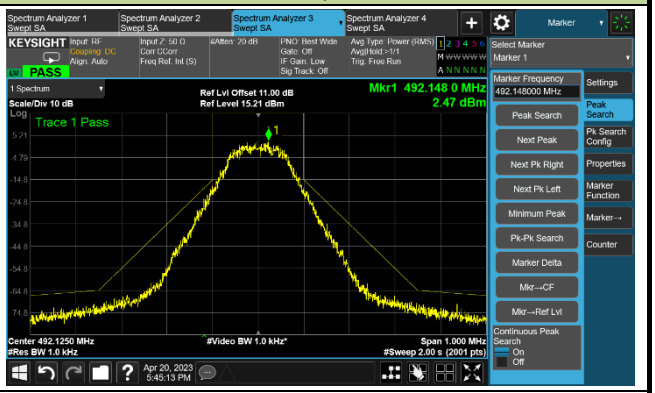
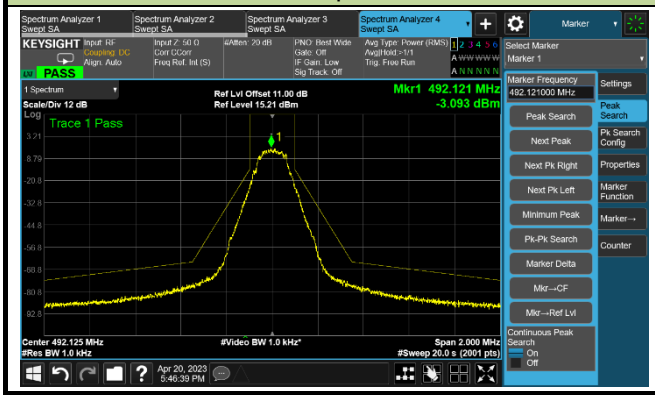
Necessary Bandwidth - 1mW, 514.000MHz	
Step 1	Step 2
	
Step 3	
	

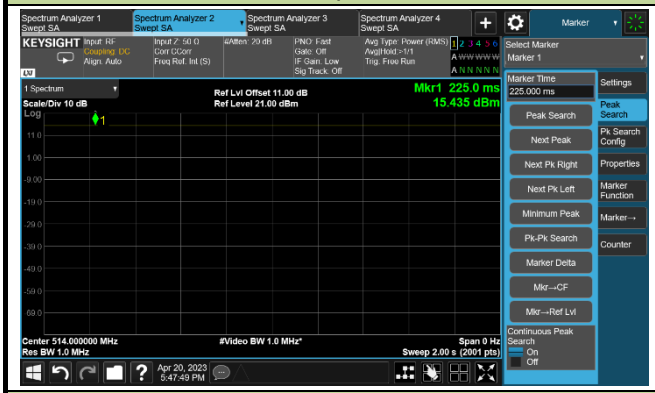
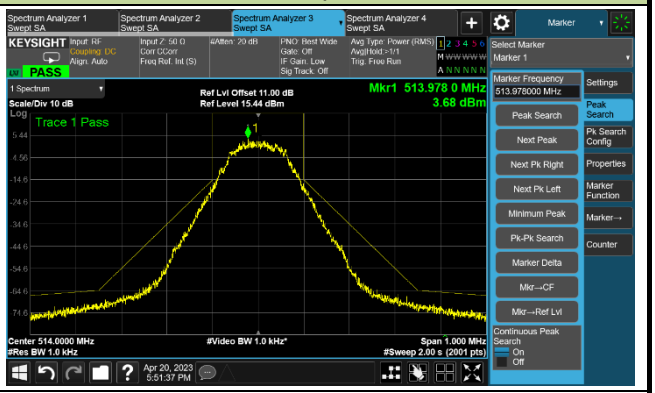
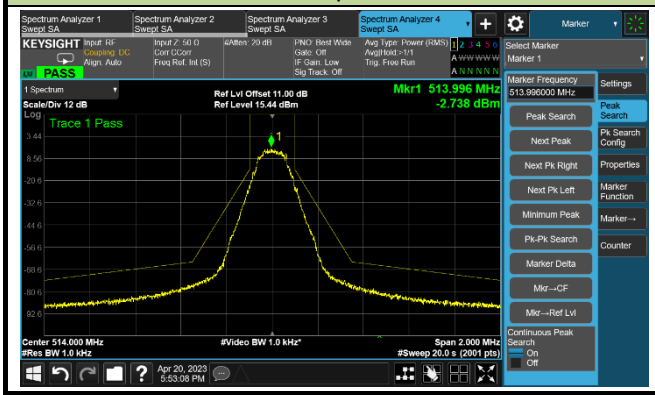
Necessary Bandwidth - 10mW, 470.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - 10mW, 492.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - 10mW, 514.000MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - 30mW, 470.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - 30mW, 492.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - 30mW, 514.000MHz	
Step 1	Step 2
	
Step 3	
	

A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2023-04-23 ~ 2023-08-03		

Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
30mW					
470.125	15.44	1.10	16.54	16.99	Pass
492.125	15.19	1.10	16.29	16.99	Pass
514.000	15.40	1.10	16.50	16.99	Pass
10mW					
470.125	10.12	1.10	11.22	16.99	Pass
492.125	10.35	1.10	11.45	16.99	Pass
514.000	10.49	1.10	11.59	16.99	Pass
1mW					
470.125	0.36	1.10	1.46	16.99	Pass
492.125	0.47	1.10	1.57	16.99	Pass
514.000	0.48	1.10	1.58	16.99	Pass

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

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

A.5 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Dick Shen
Test Date	2023-04-26 ~ 2023-08-04	Test Mode	30mW

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
470.125	194.900	-101.4	28.3	-73.1	-54.0	-19.1	Peak	Horizontal
	676.990	-101.0	36.5	-64.5	-54.0	-10.5	Peak	Horizontal
	107.600	-101.4	30.4	-71.0	-54.0	-17.0	Peak	Vertical
	748.285	-100.7	36.7	-64.0	-54.0	-10.0	Peak	Vertical
	1738.000	-63.7	5.0	-58.7	-30.0	-28.7	Peak	Horizontal
	3770.000	-66.5	13.5	-53.0	-30.0	-23.0	Peak	Horizontal
	3538.000	-65.5	13.5	-52.0	-30.0	-22.0	Peak	Vertical
	4758.000	-67.6	16.7	-50.9	-30.0	-20.9	Peak	Vertical
492.125	212.845	-104.2	31.4	-72.8	-54.0	-18.8	Peak	Horizontal
	812.790	-102.6	38.1	-64.5	-54.0	-10.5	Peak	Horizontal
	97.415	-104.2	40.6	-63.6	-54.0	-9.6	Peak	Vertical
	760.410	-103.2	38.5	-64.7	-54.0	-10.7	Peak	Vertical
	1476.000	-62.3	5.8	-56.5	-30.0	-26.5	Peak	Horizontal
	1920.000	-65.0	8.2	-56.8	-30.0	-26.8	Peak	Horizontal
	1078.000	-64.5	7.3	-57.2	-30.0	-27.2	Peak	Vertical
	2814.000	-67.0	10.4	-56.6	-30.0	-26.6	Peak	Vertical
514.000	50.855	-104.7	31.3	-73.4	-54.0	-19.4	Peak	Horizontal
	730.825	-103.4	38.2	-65.2	-54.0	-11.2	Peak	Horizontal
	96.445	-104.8	40.0	-64.8	-54.0	-10.8	Peak	Vertical
	745.375	-102.7	37.6	-65.1	-54.0	-11.1	Peak	Vertical
	1920.000	-65.7	8.2	-57.5	-30.0	-27.5	Peak	Horizontal
	4057.500	-68.9	12.5	-56.4	-30.0	-26.4	Peak	Horizontal
	1357.500	-67.1	9.1	-58.0	-30.0	-28.0	Peak	Vertical
	4050.000	-69.1	12.8	-56.3	-30.0	-26.3	Peak	Vertical

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

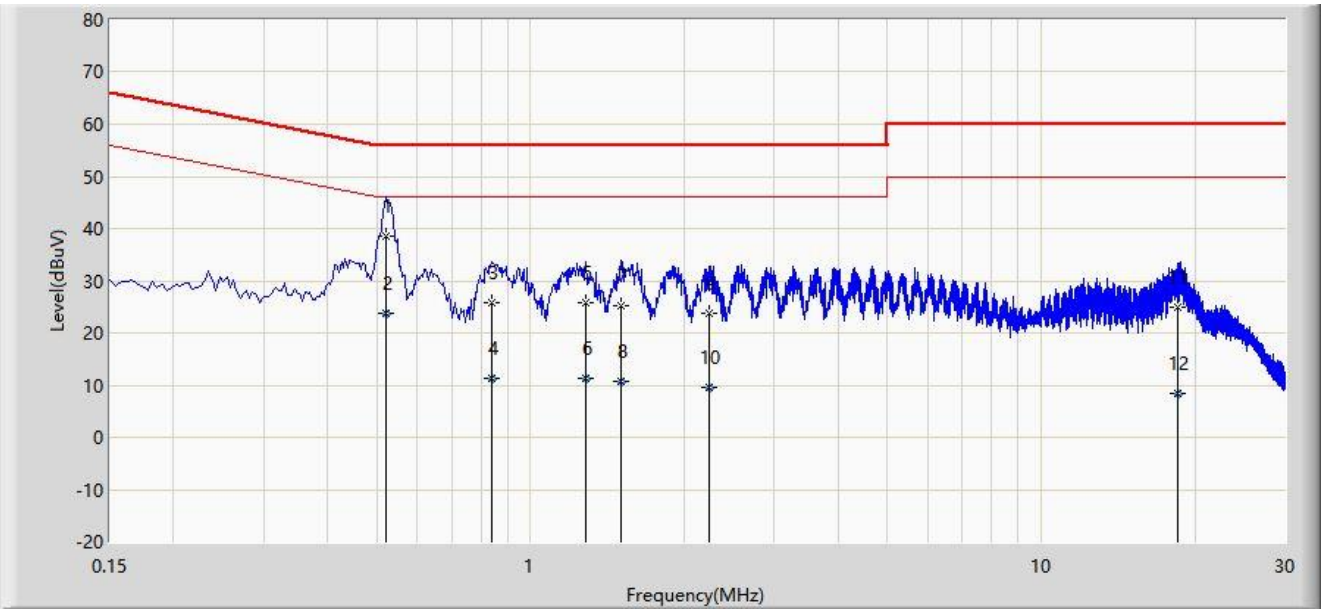
Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

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.

A.6 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2023-05-04
Limit: FCC_Part15.107_CE_AC Power_Class B	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: Plug-on Wireless Transmitter	Power: AC 120V/60Hz
Note: Transmit at 470.125MHz, 30mW	



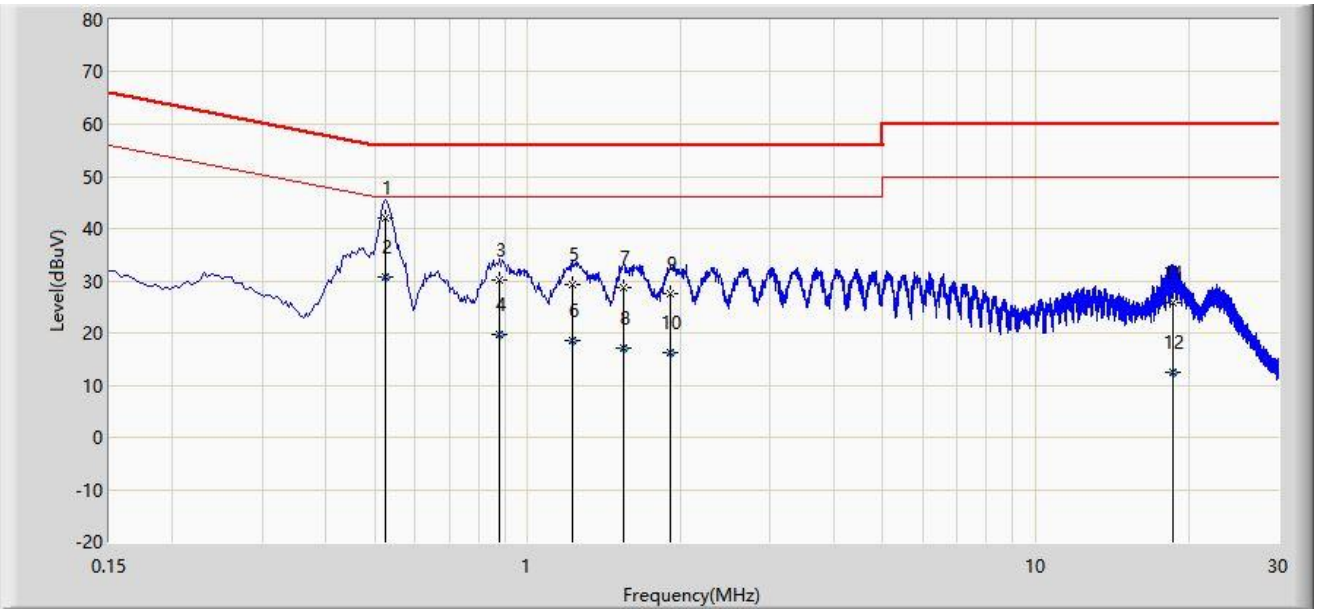
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1	*	0.522	38.605	28.715	-17.395	56.000	9.890	QP
2		0.522	23.840	13.950	-22.160	46.000	9.890	AV
3		0.838	25.729	15.694	-30.271	56.000	10.035	QP
4		0.838	11.336	1.301	-34.664	46.000	10.035	AV
5		1.282	25.829	15.700	-30.171	56.000	10.128	QP
6		1.282	11.198	1.069	-34.802	46.000	10.128	AV
7		1.506	25.092	14.956	-30.908	56.000	10.136	QP
8		1.506	10.860	0.724	-35.140	46.000	10.136	AV
9		2.242	23.686	13.521	-32.314	56.000	10.164	QP
10		2.242	9.639	-0.526	-36.361	46.000	10.164	AV
11		18.450	24.875	13.569	-35.125	60.000	11.307	QP
12		18.450	8.377	-2.929	-41.623	50.000	11.307	AV

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

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: WZ-SR2	Test Date: 2023-05-04
Limit: FCC_Part15.107_CE_AC Power_Class B	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: Plug-on Wireless Transmitter	Power: AC 120V/60Hz
Note: Transmit at 470.125MHz, 30mW	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1	*	0.526	41.940	32.035	-14.060	56.000	9.904	QP
2		0.526	30.768	20.864	-15.232	46.000	9.904	AV
3		0.882	30.190	20.108	-25.810	56.000	10.082	QP
4		0.882	19.775	9.693	-26.225	46.000	10.082	AV
5		1.226	29.336	19.188	-26.664	56.000	10.148	QP
6		1.226	18.413	8.266	-27.587	46.000	10.148	AV
7		1.546	28.731	18.573	-27.269	56.000	10.158	QP
8		1.546	17.228	7.070	-28.772	46.000	10.158	AV
9		1.910	27.638	17.469	-28.362	56.000	10.169	QP
10		1.910	16.087	5.917	-29.913	46.000	10.169	AV
11		18.646	25.739	14.386	-34.261	60.000	11.353	QP
12		18.646	12.557	1.204	-37.443	50.000	11.353	AV

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

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B - Test Setup Photograph

Refer to “2304RSU032-UT” file.

Appendix C - EUT Photograph

Refer to “2304RSU032-UE” file.