




RF MEASUREMENT REPORT

FCC ID: DD4SLXD3EG57
Applicant: Shure Incorporated
Product: Plug-on Wireless Transmitter
Regulatory Model Number (RMN): SLXD3+
Product Number: SLXD3+ G57
Trade Mark: 
FCC Classification: Licensed LPAS Device (TLD)
FCC Rule Part(s): Part 74 Subpart H (Section 74.861)
Result: Complies
Received Date: 2025-06-03 ~ 2025-06-04
Test Date: 2025-06-15 ~ 2025-07-11

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



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
R25S1001068-U202	V01	Initial Report	2025-07-08	Invalid
R25S1001068-U202	V02	Add Information	2025-07-11	Invalid
R25S1001068-U202	V03	Update the unit of Frequency Tolerance	2025-07-25	Valid

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1.1. Applicant

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

Shure Incorporated

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

<input checked="" type="checkbox"/>	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				
<input checked="" type="checkbox"/>	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	<input type="checkbox"/> R-20025	<input type="checkbox"/> G-20034	<input type="checkbox"/> C-20020	<input type="checkbox"/> T-20020
		<input type="checkbox"/> R-20141	<input type="checkbox"/> G-20134	<input type="checkbox"/> C-20103	<input type="checkbox"/> T-20104
<input type="checkbox"/>	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			
<input type="checkbox"/>	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	Plug-on Wireless Transmitter
Regulatory Model Number (RMN)	SLXD3+
Product Number	SLXD3+ G57
EUT Identification No.	20250604Sample#11 (Conducted) 20250603Sample#04 (Radiated)
Bluetooth Specification	BLE Only
Microphone Specification	Wireless Microphone, UHF band, 470.125MHz ~ 551.850MHz & 552.150MHz ~ 607.875MHz
Antenna Specification	Refer to clause 1.7
Operating Temp.	-18 ~ 50 °C
Power Type	By 2pcs * AA: 3Vdc or Rechargeable Li-ion Battery Pack
Accessory	
Li-ion Battery	Model: SB903 Output: 3.6V=1200mAh, 4.32Wh
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	470.125MHz ~ 551.850MHz & 552.150MHz ~ 607.875MHz
Declared Power Level	1mW & 10mW & 30mW
Declared Occupied Bandwidth	200kHz
Type of Modulation	4-GFSK
Channel Spacing	25kHz

1.6. Working Frequencies

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

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Manufacturer	Peak Gain (dBi)
Dipole	470.125 ~ 551.850 & 552.150 ~ 607.875	Shure	1.90

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at G57 Band (30mW)

Note: The EUT supports three power levels (1mW, 10mW, and 30mW), with 30mW being the highest.

Therefore, 30mW was selected as the worst-case mode for all tests. For the other two power levels, output power and out of band emission were verified.

2.2. Test Software

The test utility software used during testing was “Tera Term” and the version was 4.103.

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	2026-04-24	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2026-05-17	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06447	1 year	2025-06-18	WZ-SR5
					2026-06-17	
Attenuator	MVE	MVE2213	MRTSUE11089	1 year	2026-06-02	WZ-SR5
Cable	UCwave	UCE500	2411001	Note	Note	WZ-SR5
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	2026-03-22	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2026-03-18	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2026-04-17	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2025-10-13	WZ-AC2

Note: The loss of the RF cable will be measured before testing.

Software	Version	Function
e3	230711	RE & CE
Agilent Power Panel	V R03.09.00	Power
Controller_MF 7802	1.02	RE Antenna & Turntable

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
9kHz~150kHz: 3.58dB	
150kHz~30MHz: 3.20dB	
Radiated Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
Coaxial:	9kHz~30MHz: 2.35dB
Coplanar:	9kHz~30MHz: 2.37dB
Horizontal:	30MHz~200MHz: 3.47dB
	200MHz~1GHz: 4.17dB
	1GHz~40GHz: 4.97dB
Vertical:	30MHz~200MHz: 4.07dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.84dB
Spurious Emissions, Conducted	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
2.5dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
1.5dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
3.2%	

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
74.861(e)(1)(ii)	RF Output Power	Conducted	Pass
74.861(e)(3)	Modulation		N/A
74.861(e)(4)	Frequency Tolerance		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

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

(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

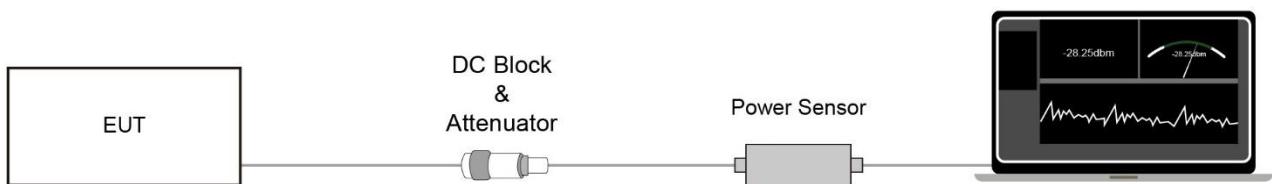
5.2.3. Test Setting

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:

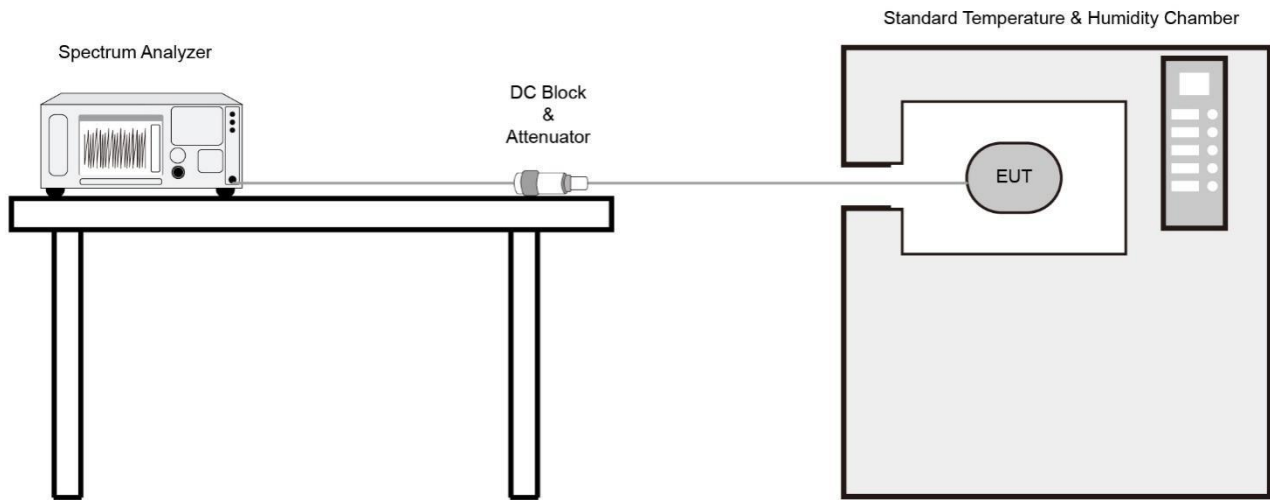
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

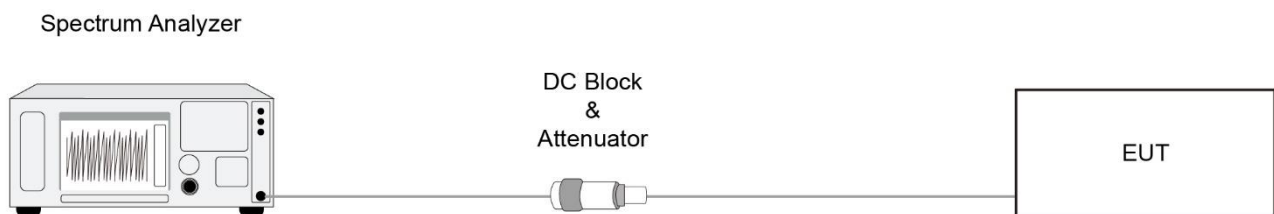
5.4.2. Test Procedure

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. $VBW \geq 3 \times RBW$
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. Modulation Measurement

5.5.1. Test Limit

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

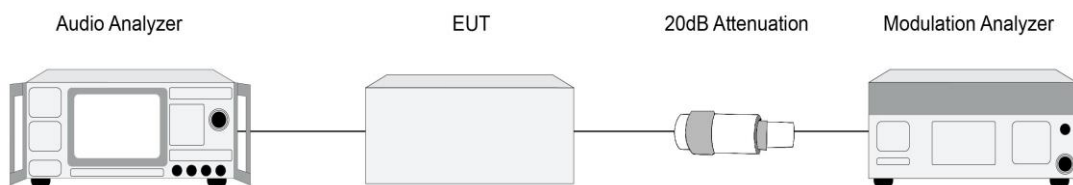
5.5.2. Test Procedure

ANSI C63.26-2013 - Section 5.3.2

5.5.3. Test Setting

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

5.5.4. Test Setup



5.5.5. Test Result

This applies only to FM modulation.

5.6. Out of Band Emission Measurement

5.6.1. Test Limit

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

- (i) On any frequency removed from the operating frequency by more than 50 percent up to and including 100 percent of the authorized bandwidth: at least 25 dB;
- (ii) On any frequency removed from the operating frequency by more than 100 percent up to and including 250 percent of the authorized bandwidth: at least 35 dB;
- (iii) On any frequency removed from the operating frequency by more than 250 percent of the authorized bandwidth: at least $43 + 10 \log_{10}$ (mean output power in watts) dB.

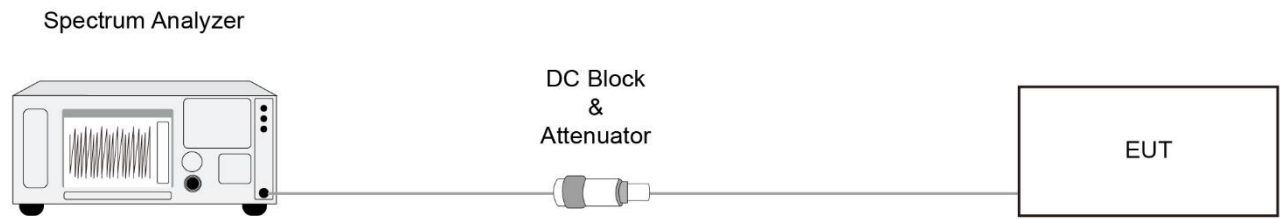
5.6.2. Test Procedure

ANSI C63.26 - Section 5.7

5.6.3. Test Setting

- a) The EUT was connected to a spectrum analyzer.
 - b) The EUT was modulated with typical digital modulation.
 - c) Set span to $2 \times$ to $3 \times$ the OBW
 - Set $RBW \geq OBW$;
 - Set $VBW \geq 3 \times RBW$;
 - 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 $5 \times$ the OBW;
- RBW set to 1% of the OBW, VBW set to $3 \times RBW$, sweep time to Auto.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.4.

5.7. Emission Mask Measurement

5.7.1. Test Limit

(i) Analog systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the Out of Band Emission in Figure 1 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

(ii) Digital systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the Out of Band Emission in Figure 2 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

(iii) Wireless Multichannel Audio Systems. Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the Out of Band Emission in Figure 3 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11), (incorporated by reference, see § 74.35).

The mean Power Density, measured with 1 kHz measurement bandwidth and RMS detector, of the transmitter unwanted emissions shall not exceed the limits of the masks provided in figure 1 for equipment employing analogue modulation and figure 2 for equipment employing digital modulation, but excluding WMAS. B is the Declared Channel Bandwidth

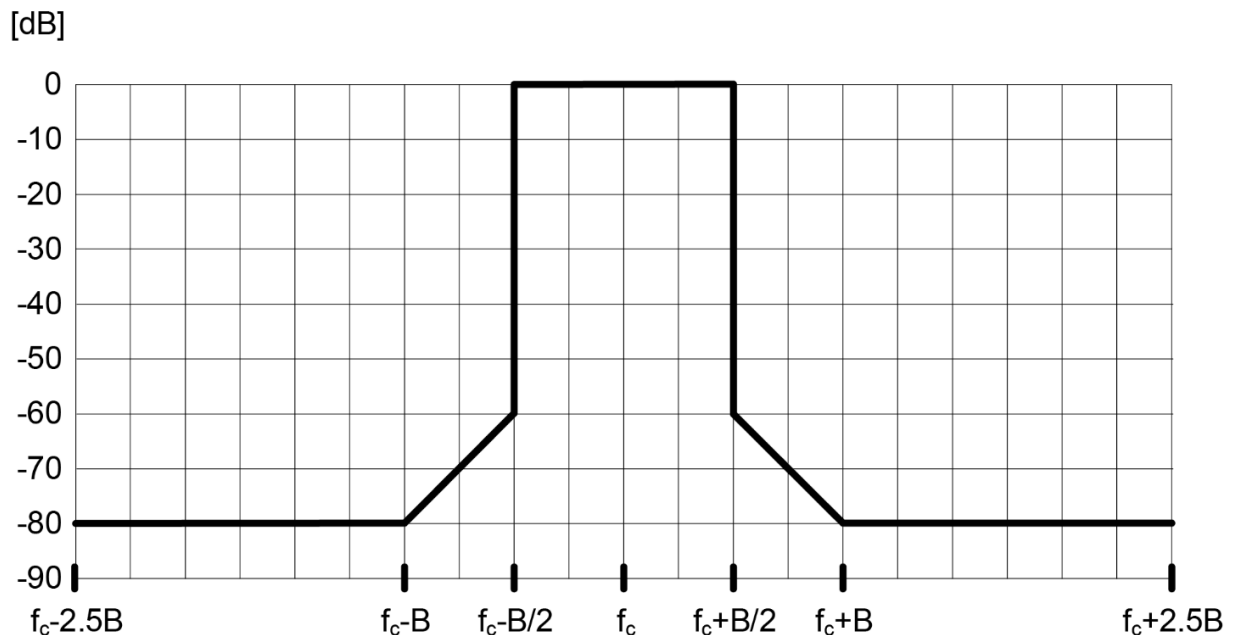


Figure 1: Transmit spectral power mask for equipment employing analogue modulation, RBW = 1 kHz



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

The limits in figure 3 are applicable for WMAS, where B is the Declared Channel Bandwidth.

The mean Power Density, measured with 100 kHz measurement bandwidth and PEAK detector, of the transmitter unwanted emissions shall not exceed the limits of the mask provided in figure 3.



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

The limits in figure 3 are provided with RBW = 100 kHz. The relevant measurements can also be performed with other RBW for certain ranges of B, accounting that the relevant limit given under RBW = 100 kHz needs to be converted appropriately by adding $c = 10 \times \log_{10} (RBW/100 \text{ kHz})$ for correction.

Correction Factor for different B and applicable RBW

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

5.7.2. Test Procedure

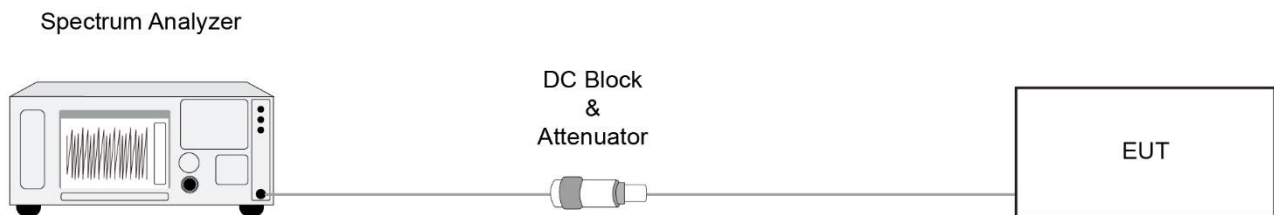
EN 300 422-1 V2.2.1 clause 5.4.3.2.

5.7.3. Test Setting

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

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

5.7.4. Test Setup



5.7.5. Test Result

Refer to Appendix A.5.

5.8. Radiated Spurious Emissions Measurement

5.8.1. Test Limit

Spurious emission limits. Emissions outside of the Out of Band Emissions listed in paragraphs (e)(7)(i) through (e)(7)(iii) shall comply with the limits specified in section 4.2.4.1.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 74.35).

The level of transmitter unwanted emissions in the spurious domain shall not exceed the limits given in table Transmitter unwanted emission limits

Frequency Range	Maximum power	RBW
9kHz – 150kHz	-36dBm	1kHz
150kHz – 30MHz	-36dBm	10kHz
30MHz – 1GHz	-36dBm	$F_c + 2.5B \leq f \leq F_c + 4B$: 1kHz $F_c + 4B < f \leq F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \leq f < F_c - 4B$: 10kHz $F_c - 4B \leq f \leq F_c - 2.5B$: 1kHz
Except:		
47MHz to 74MHz 87.5MHz to 118MHz	-54dBm	100kHz
174MHz to 230MHz 470MHz to 862MHz	-54dBm	$F_c + 2.5B \leq f \leq F_c + 4B$: 1kHz $F_c + 4B < f \leq F_c + 10B$: 10kHz $f > F_c + 10B$: 100kHz $f < F_c - 10B$: 100kHz $F_c - 10B \leq f < F_c - 4B$: 10kHz $F_c - 4B \leq f \leq F_c - 2.5B$: 1kHz
$1\text{GHz} < f \leq F_{\text{upper}}$	-30dBm	$F_c + 2.5B \leq f \leq F_c + 10B$: 30kHz $F_c + 10B < f \leq F_c + 12B$: 300kHz $f > F_c + 12B$: 1MHz $f < F_c - 12B$: 1MHz $F_c - 12B \leq f < F_c - 10B$: 300kHz $F_c - 10B \leq f \leq F_c - 2.5B$: 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	1 GHz
100 MHz - 300 MHz	9 kHz	10th harmonic of the operating frequency
300 MHz - 600 MHz	30 MHz	3 GHz
600 MHz - 3 GHz	30 MHz	5th harmonic of the operating frequency

5.8.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 5.4.4

5.8.3. Test Setting

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

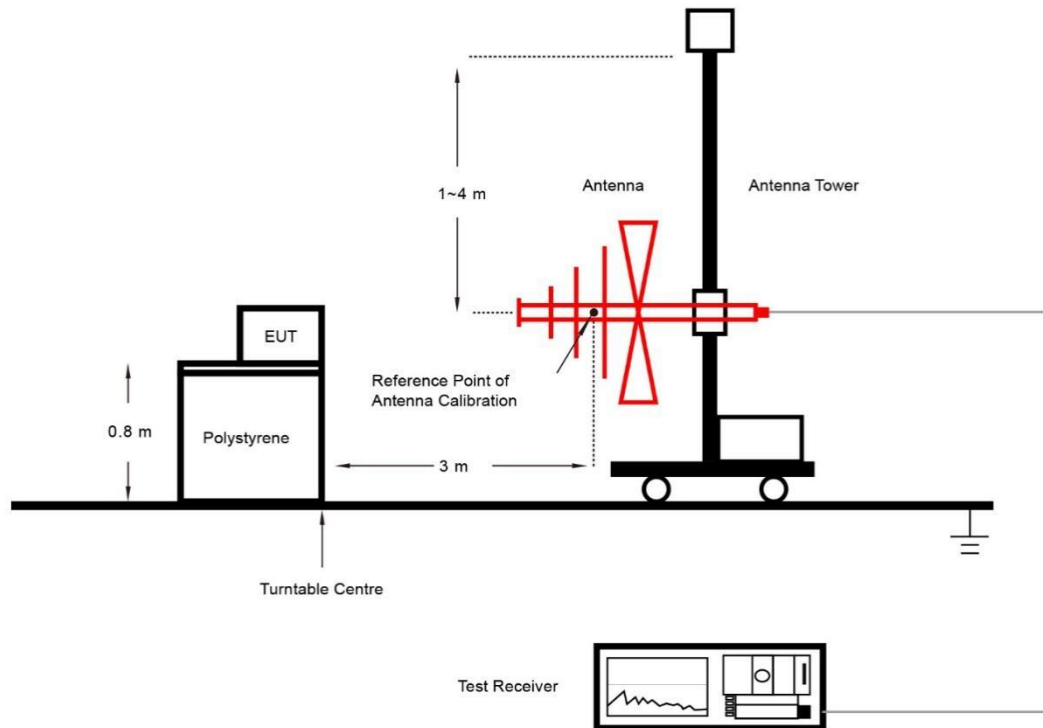
Compliance with the emission limits shall be demonstrated using an RMS Average detector.

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

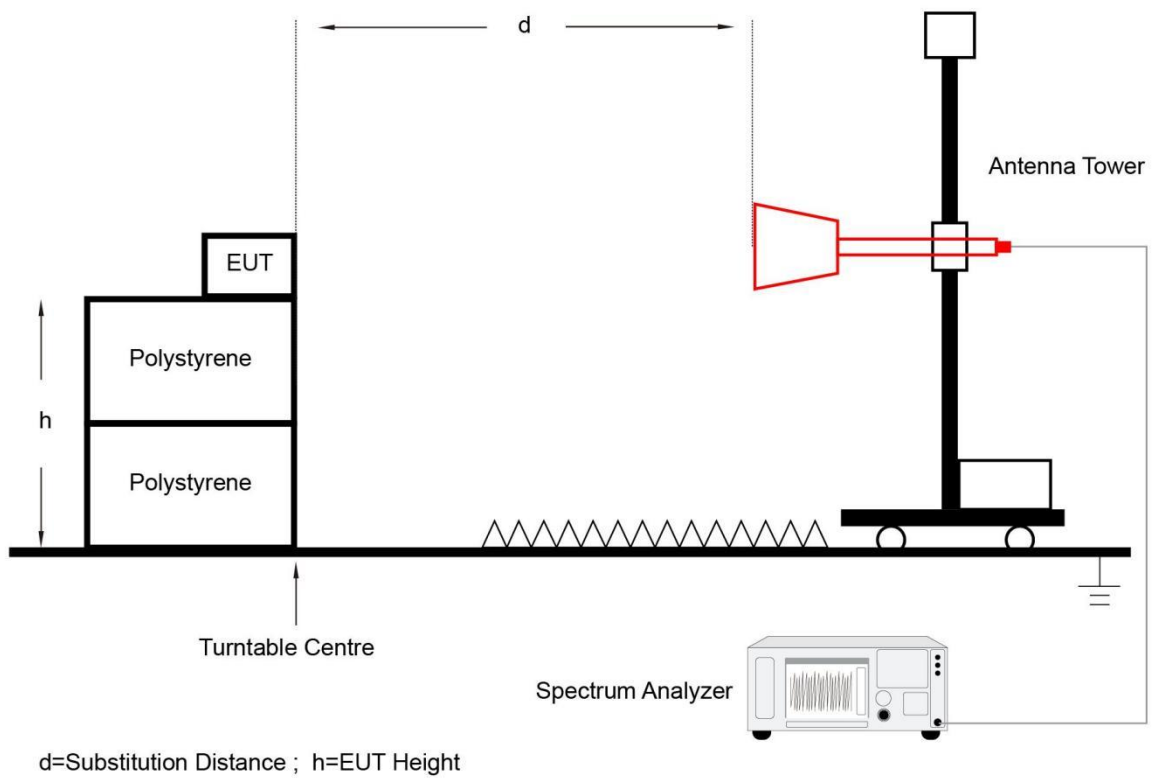
At each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

5.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5. Test Result

Refer to Appendix A.6.

Appendix A – Test Result

A.1 RF Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-15 ~ 2025-07-11		

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Test Result
30mW Power Level			
470.125	15.64	≤ 23.98	Pass
493.000	15.17	≤ 23.98	Pass
516.000	14.84	≤ 23.98	Pass
539.000	15.00	≤ 23.98	Pass
562.000	15.24	≤ 23.98	Pass
585.000	15.15	≤ 23.98	Pass
607.875	15.72	≤ 23.98	Pass
10mW Power Level			
470.125	11.08	≤ 23.98	Pass
539.000	11.01	≤ 23.98	Pass
607.875	11.04	≤ 23.98	Pass
1mW Power Level			
470.125	0.98	≤ 23.98	Pass
539.000	0.41	≤ 23.98	Pass
607.875	0.76	≤ 23.98	Pass

Note: Limit = $10 \cdot \log(250\text{mW}) = 23.98 \text{ dBm}$.

A.2 Frequency Tolerance Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2025-06-20	Test Mode	470.125MHz

Voltage (%)	Power (DC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	3.6	- 20	-0.91	-0.85	-0.84	-0.83
		-10	-0.85	-0.85	-0.84	-0.83
		0	-0.66	-0.69	-0.69	-0.68
		+ 10	-0.49	-0.49	-0.49	-0.49
		+ 20	-0.37	-0.37	-0.36	-0.34
		+ 30	-0.32	-0.31	-0.31	-0.30
		+ 40	-0.19	-0.20	-0.20	-0.19
		+ 50	-0.01	-0.03	-0.04	-0.05
115	4.14	+ 20	-0.37	-0.37	-0.35	-0.34
85	3.06	+ 20	-0.38	-0.36	-0.35	-0.34
Limit	50ppm					
Result	Pass					

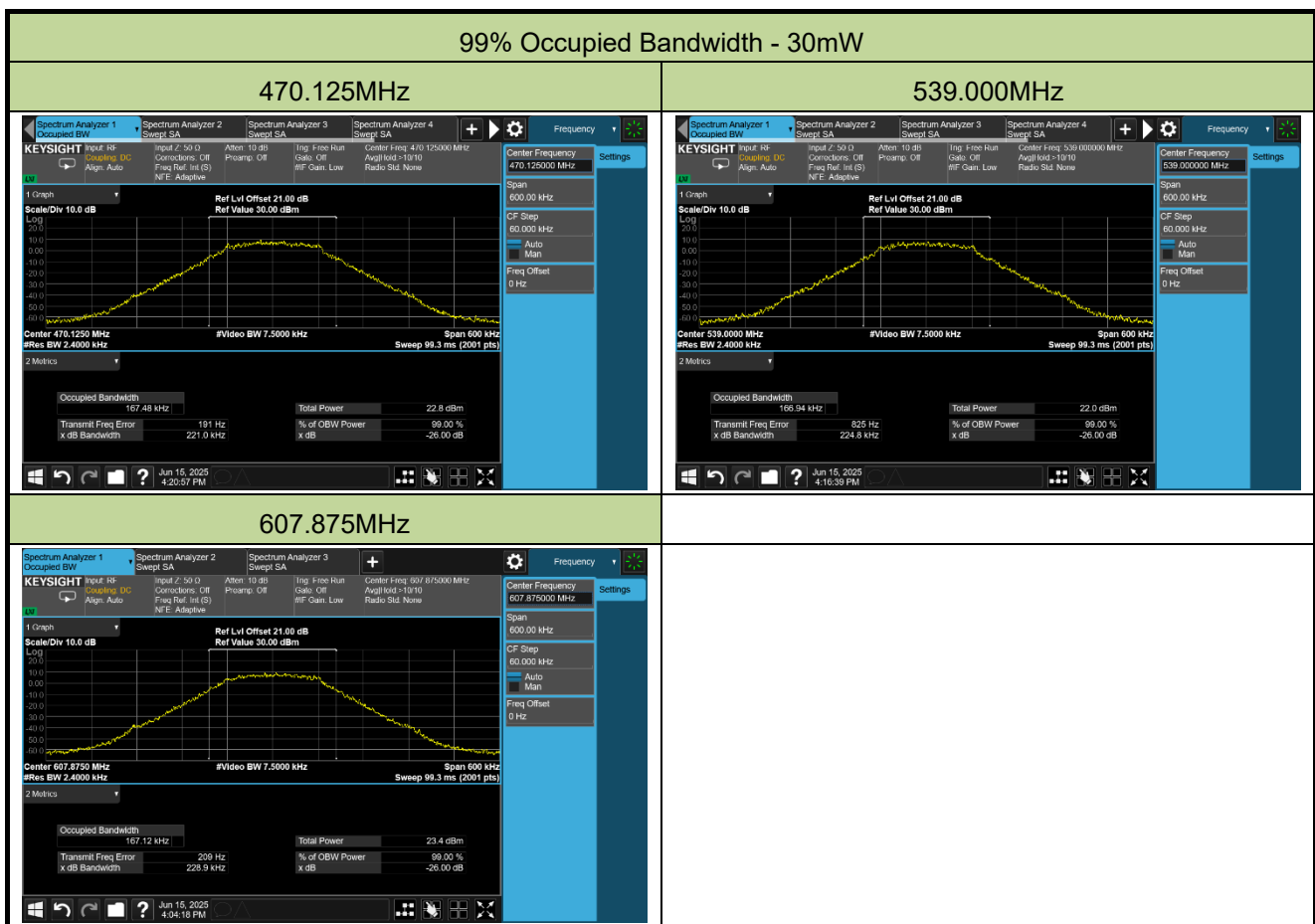
Note 1: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} * 10⁶.

Note 2: 0.005% is equivalent to 50ppm.

A.3 99% Occupied Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-15		

Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
470.125	167.48	< 200	Pass
539.000	166.94	< 200	Pass
607.875	167.12	< 200	Pass



A.4 Out of Band Emission Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-15		

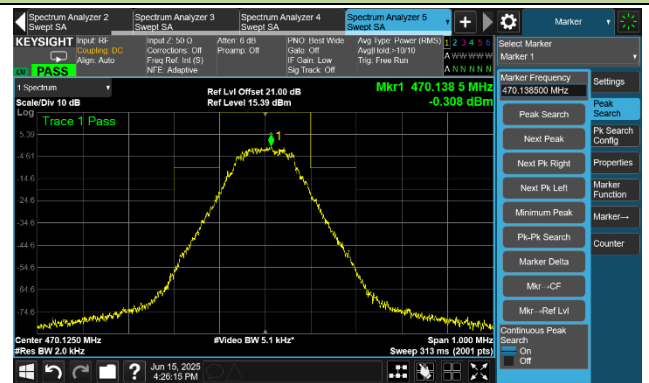
Out of Band Emission - 30mW

Channel 470.125MHz

Reference Level

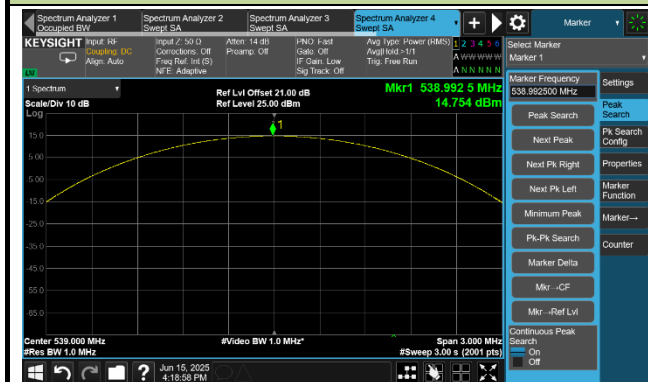


Out of Band Emission

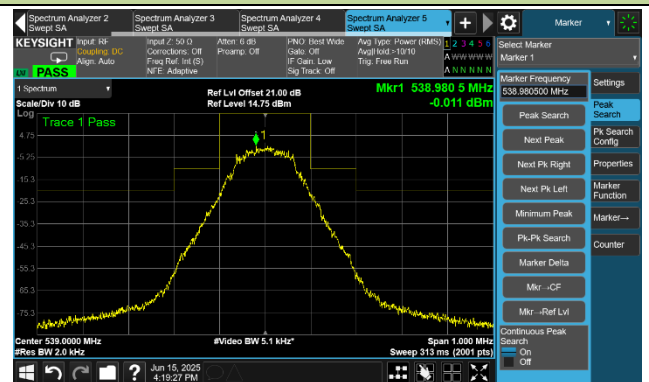


Channel 539.000 MHz

Reference Level

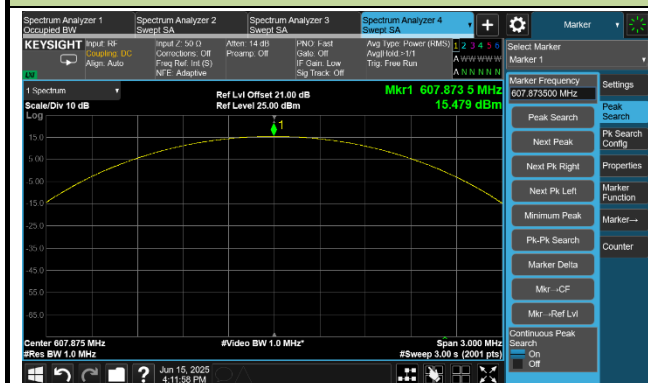


Out of Band Emission

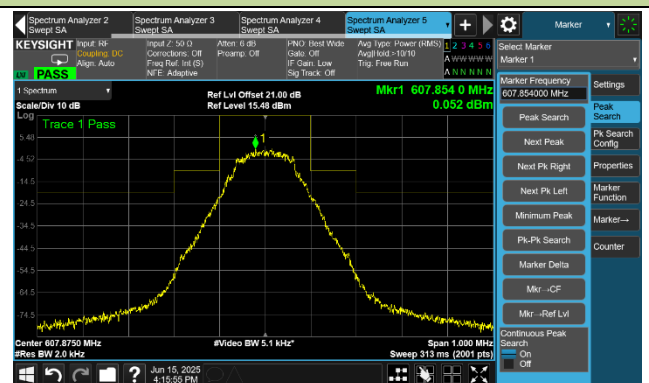


Channel 607.875 MHz

Reference Level

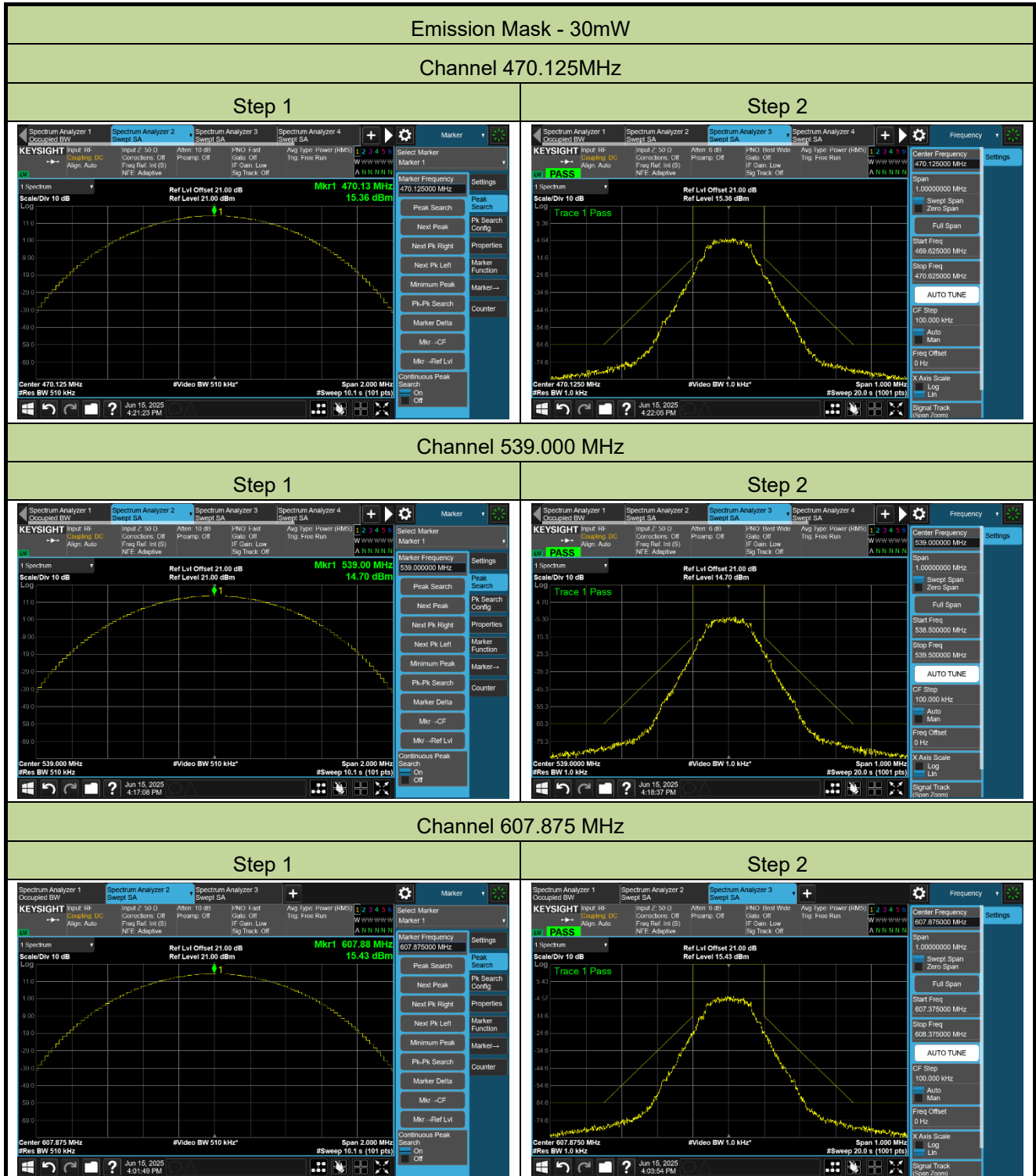


Out of Band Emission



A.5 Emission Mask Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-06-15 ~ 2025-07-11		



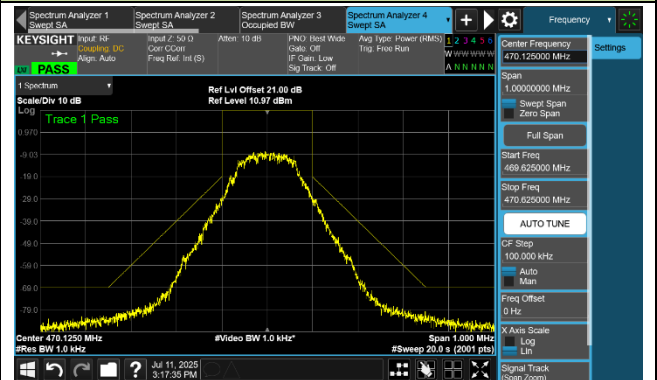
Emission Mask - 10mW

Channel 470.125MHz

Step 1



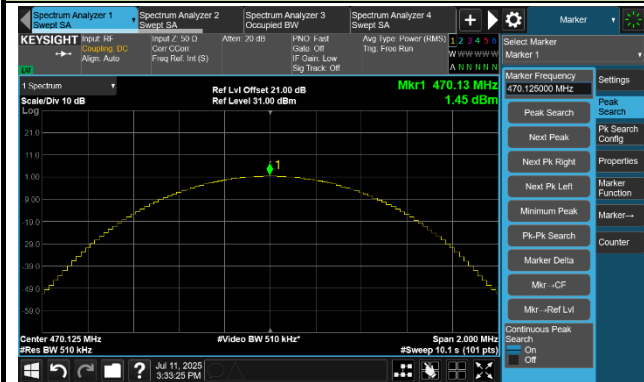
Step 2



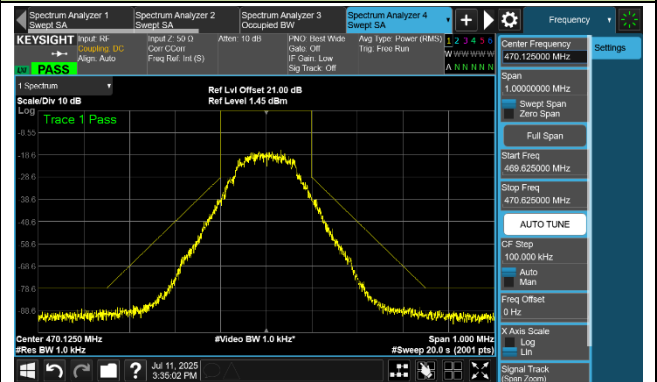
Emission Mask - 1mW

Channel 470.125MHz

Step 1



Step 2



A.6 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2025-06-20		

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
470.125	49.98	-104.21	29.04	-75.17	-54.00	-21.17	Peak	Horizontal
	804.74	-102.92	35.45	-67.47	-54.00	-13.47	Peak	Horizontal
	940.35	-95.06	36.95	-58.11	-36.00	-22.11	Peak	Horizontal
	97.71	-104.82	31.92	-72.90	-54.00	-18.90	Peak	Vertical
	788.64	-102.35	36.69	-65.66	-54.00	-11.66	Peak	Vertical
	940.15	-100.52	38.40	-62.12	-36.00	-26.12	Peak	Vertical
	1410.40	-60.71	7.86	-52.85	-30.00	-22.85	Peak	Horizontal
	6961.60	-72.87	21.13	-51.74	-30.00	-21.74	Peak	Horizontal
	1438.00	-67.58	7.86	-59.72	-30.00	-29.72	Peak	Vertical
	6823.60	-72.56	19.59	-52.97	-30.00	-22.97	Peak	Vertical
539.000	677.96	-103.33	34.05	-69.28	-54.00	-15.28	Peak	Horizontal
	801.73	-102.79	35.48	-67.31	-54.00	-13.31	Peak	Horizontal
	726.56	-103.75	36.54	-67.21	-54.00	-13.21	Peak	Vertical
	825.40	-103.55	37.38	-66.17	-54.00	-12.17	Peak	Vertical
	1078.60	-46.16	6.48	-39.68	-30.00	-9.68	Peak	Horizontal
	6872.80	-72.48	19.69	-52.79	-30.00	-22.79	Peak	Horizontal
	1078.00	-61.96	6.57	-55.39	-30.00	-25.39	Peak	Vertical
	6578.20	-71.47	18.95	-52.52	-30.00	-22.52	Peak	Vertical
607.875	49.98	-105.06	29.04	-76.02	-54.00	-22.02	Peak	Horizontal
	842.67	-103.28	35.85	-67.43	-54.00	-13.43	Peak	Horizontal
	714.72	-101.53	36.50	-65.03	-54.00	-11.03	Peak	Vertical
	851.20	-102.69	37.49	-65.20	-54.00	-11.20	Peak	Vertical
	1216.00	-48.18	5.82	-42.36	-30.00	-12.36	Peak	Horizontal
	1823.80	-60.93	7.62	-53.31	-30.00	-23.31	Peak	Horizontal
	1216.00	-64.01	5.18	-58.83	-30.00	-28.83	Peak	Vertical
	1823.80	-67.01	6.85	-60.16	-30.00	-30.16	Peak	Vertical

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

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

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

Appendix B – Test Setup Photograph

Refer to “R25S1001068-UT” file.

Appendix C – EUT Photograph

Refer to “R25S1001068-UE” file.

_____ The End _____