

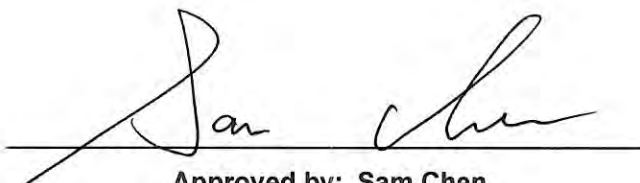


RADIO TEST REPORT

FCC ID : 2AYRA-100025
Equipment : Linksys Velop Micro Mesh 7
Brand Name : Linksys
Model Name : LNM610, LNM610WH, LNM610MS, LNM610EC, SPNM61
Applicant : Linksys USA, Inc.
121 Theory, Irvine, CA. 92617, USA
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 17, 2025, and testing was started from Oct. 02, 2025 and completed on Jan. 26, 2026. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	10
2 Test Configuration of EUT.....	11
2.1 The Worst Case Measurement Configuration.....	11
2.2 EUT Operation during Test	12
2.3 Accessories	12
2.4 Support Equipment.....	13
2.5 Test Setup Diagram	14
3 Transmitter Test Result	16
3.1 AC Power-line Conducted Emissions	16
3.2 Unwanted Emissions.....	18
3.3 Contention Based Protocol.....	22
4 Test Equipment and Calibration Data	23
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Unwanted Emissions	
Appendix C. Test Results of Contention-Based Protocol	
Appendix D. Test Photos	
Photographs of EUT v01	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_5 Ver2.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(b)	Unwanted Emissions	PASS	-
3.3	15.407(d)	Contention-Based Protocol	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sophia Shiung



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20), be (EHT20)	5955-7095	1-229 [58]
5925-7125	ax (HEW40), be (EHT40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80), be (EHT80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160), be (EHT160)	6025-6985	15-207 [7]
5925-7125	be (EHT320)	6105-6905	31-191 [6]

Band	Mode	BWch (MHz)	Nant
5.925-7.125 GHz	802.11ax HEW20	20	2TX
5.925-7.125 GHz	802.11ax HEW20-BF	20	2TX
5.925-7.125 GHz	802.11be EHT20	20	2TX
5.925-7.125 GHz	802.11be EHT20-BF	20	2TX
5.925-7.125 GHz	802.11ax HEW40	40	2TX
5.925-7.125 GHz	802.11ax HEW40-BF	40	2TX
5.925-7.125 GHz	802.11be EHT40	40	2TX
5.925-7.125 GHz	802.11be EHT40-BF	40	2TX
5.925-7.125 GHz	802.11ax HEW80	80	2TX
5.925-7.125 GHz	802.11ax HEW80-BF	80	2TX
5.925-7.125 GHz	802.11be EHT80	80	2TX
5.925-7.125 GHz	802.11be EHT80-BF	80	2TX
5.925-7.125 GHz	802.11ax HEW160	160	2TX
5.925-7.125 GHz	802.11ax HEW160-BF	160	2TX
5.925-7.125 GHz	802.11be EHT160	160	2TX
5.925-7.125 GHz	802.11be EHT160-BF	160	2TX
5.925-7.125 GHz	802.11be EHT320	320	2TX
5.925-7.125 GHz	802.11be EHT320-BF	320	2TX

**Note:**

- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 and EHT160, EHT320 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	6GHz	Bluetooth					
1	1	1	-	-	Galtronics	02102140-08200B-1	PCB Antenna	I-PEX	Note1
2	2	2	-	-	Galtronics	02102140-08200B-2	PCB Antenna	I-PEX	
3	-	-	1	1	Airgain	N08CBAUB-PK1-LG65U	PCB Antenna	I-PEX	
4	-	-	2	-	Airgain	N06CBAUA-T2M48-PK1-LA110U	PCB Antenna	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)									
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8	
1	2.34	2.30	2.30	2.40	2.40	-	-	-	-	-
2	2.42	2.77	2.77	2.46	2.59	-	-	-	-	-
3	-	-	-	-	-	2.80	2.20	2.60	4.00	2.70
4	-	-	-	-	-	4.00	4.20	4.20	4.20	-

Note 2: The above information was declared by manufacturer.

<For 2.4GHz function>**For IEEE 802.11b/g/n/VHT/ax/be (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz function>**For IEEE 802.11a/n/ac/ax/be (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 6GHz function>**For IEEE 802.11ax/be (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

Port 1 could transmit/receive simultaneously.

Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g_{1,1}) = 10^{G1/20} ; NSS1(g_{1,2}) = 10^{G2/20};$$

$$g_{j,k} = (NSS1(g_{1,1}) + NSS1(g_{1,2}))^2$$

$$DG = 10 \log[(NSS1(g_{1,1}) + NSS1(g_{1,2}))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where;

$$2.4G \ G1 = 2.34 \text{ dBi}; \ G2 = 2.42 \text{ dBi}; \ DG = 5.39 \text{ dBi}$$

$$5G \ UNII-1 \ G1 = 2.3 \text{ dBi}; \ G2 = 2.77 \text{ dBi}; \ DG = 5.55 \text{ dBi}$$

$$5G \ UNII-2A \ G1 = 2.3 \text{ dBi}; \ G2 = 2.77 \text{ dBi}; \ DG = 5.55 \text{ dBi}$$

$$5G \ UNII-2C \ G1 = 2.4 \text{ dBi}; \ G2 = 2.46 \text{ dBi}; \ DG = 5.44 \text{ dBi}$$

$$5G \ UNII-3 \ G1 = 2.4 \text{ dBi}; \ G2 = 2.59 \text{ dBi}; \ DG = 5.51 \text{ dBi}$$

$$6G \ UNII-5 \ G1 = 2.8 \text{ dBi}; \ G2 = 4 \text{ dBi}; \ DG = 6.43 \text{ dBi}$$

$$6G \ UNII-6 \ G1 = 2.2 \text{ dBi}; \ G2 = 4.2 \text{ dBi}; \ DG = 6.27 \text{ dBi}$$

$$6G \ UNII-7 \ G1 = 2.6 \text{ dBi}; \ G2 = 4.2 \text{ dBi}; \ DG = 6.45 \text{ dBi}$$

$$6G \ UNII-8 \ G1 = 4 \text{ dBi}; \ G2 = 4.2 \text{ dBi}; \ DG = 7.11 \text{ dBi}$$

**1.1.3 EUT Operational Condition**

EUT Power Type	From Power Adapter	
Beamforming Function	☒ With beamforming	☐ Without beamforming
	The product has beamforming function for 11n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.	
Device Type	☒ Indoor Access Point	☒ Subordinate
	☐ Indoor Client	☐ Standard Power Access Point
	☐ Dual Client	☐ Standard Client
	☐ Fixed Client	☐ Very Low Power
Condition of EUT	☒ Indoor	☐ Outdoor
Channel Puncturing Function	☐ Supported Static Puncturing	
	☐ Supported Dynamic Puncturing (Reduce BW)	
	☒ Unsupported	
	Note: The EUT doesn't support puncturing for CBP	
Support RU	☒ Full RU	☐ Partial RU
Test Software Version	QRCT 4.0.170.1	
Software / Firmware Version for CBP	1.0.2.25080515	

Note: The above information was declared by manufacturer.

1.1.4 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
LNM610	For retail
LNM610WH	For warehouse
LNM610MS	For superstore
LNM610EC	For e-commerce
SPNM61	For service provider

Note 1: From the above models, model: LNM610 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.5 Table for EUT Support Function

Function	Support
AP Router	WLAN 2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8 and Bluetooth
Mesh	WLAN 5GHz UNII 1~3 and 6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR542105-01AC.

Below is the table for the change of the product with respect to the original one.

Modifications			Performance Checking
Add a new EUT that is equipped with different equipment name and model names. The differences between EUTs are listed below:			1. AC Power-line Conducted Emissions 2. Unwanted Emissions < 1GHz 3. Contention Based Protocol
Sporton Project Number	542105-01	542105-02	
Equipment Name	Velop 7 Max	Linksys Velop Micro Mesh 7	
Model Name	LNM620, LNM620WH, LNM620MS, LNM620EC, SPNM62	LNM610, LNM610WH, LNM610MS, LNM610EC, SPNM61	
RJ-45 Transformer of port 3 (LAN) and Internet 1 port (WAN)	Brand: BS045-PULSE ELECTRONICS	Brand: HUIZHOU U&T ELETRONICS CO., LTD.	
	Model: JF0-7000NLT	Model: UTV36T06	
	Speed: 10G/2.5G/1G/100Mbps	Speed: 2.5G/1G/100Mbps	
	Related Circuit: -	Related Circuit: Changed	
	10G PHYS (Location: U13, U14): With	10G PHYS (Location: U13, U14): Without	
Components (Location: C4, C22, C135, CV13)	-	Moved the components to the backside of the PCB due to a process requirement.	
SW Version	1.0.4.25072110	1.0.2.25080515	



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407
- ♦ ANSI C63.10-2020
- ♦ FCC KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 987594 D02 v03
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
Radiated < 1GHz	03CH01-CB	Ian Hu	21.3~22.3 / 58~61	Oct. 14, 2025
AC Conduction	CO01-CB	Allen Chung	22~23 / 57~58	Oct. 02, 2025
RF Conducted (Contention-Based Protocol test)	DF01-CB	Mason Chen	19.9~20.6 / 64~66	Dec. 30, 2025~ Jan. 26, 2026

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
	According to the original test report, "EUT + Adapter 2_Bluetooth" has been evaluated to be the worst case, so the measurement will follow this same test configuration.
1	EUT + Adapter 2_Bluetooth

The Worst Case Mode for Following Conformance Tests	
Tests Item	Contention Based Protocol
Test Condition	Conducted measurement at transmit chains
1	EUT_AP Router mode
2	EUT_Mesh mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	According to the original test report, "EUT in Y axis + Adapter 1 + US plug_WLAN 2.4GHz" has been evaluated to be the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + Adapter 1 + US plug_WLAN 2.4GHz

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Bluetooth
Refer to Sporton Test Report No.: FA542105-02 for Co-location RF Exposure Evaluation.	



2.2 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.3 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1 (Interchangeable plug)	Ktec	KSA-45P-45W D5	INPUT: 100-240V~50/60Hz, 1.5A OUTPUT: 5.0V, 3.0A, 15.0W, 9.0V, 3.0A, 27.0W, 12.0V, 3.0A, 36.0W, 15.0V, 3.0A, 45.0W, 20.0V, 2.25A, 45.0W, 3.3-21.0V, 2.25A Max, 45.0w Max. 3.3-16.0V, 3.0A Max, 45.0w Max.
Adapter 2 (Fixed plug)	Frecom	FC045P13-150300U	INPUT: 100-240V~50/60Hz, 1.2A OUTPUT: 5.0V, 3.0A, 15.0W ; 9.0V, 3.0A, 27.0W ; 12.0V, 3.0A, 36.0W ; 15.0V, 3.0A, 45.0W
Others			
RJ-45 cable 1*1, non-shielded, 1.8m			
RJ-45 cable 2*1, non-shielded, 0.9m			
USB Type C cable*1, shielded, 1.5m (only for adapter 1 use)			
US plug*1 (only for adapter 1 use)			



2.4 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Type-C Flash disk	Kingston	DT70	N/A
B	Port 3 (LAN)NB	DELL	E6430	N/A

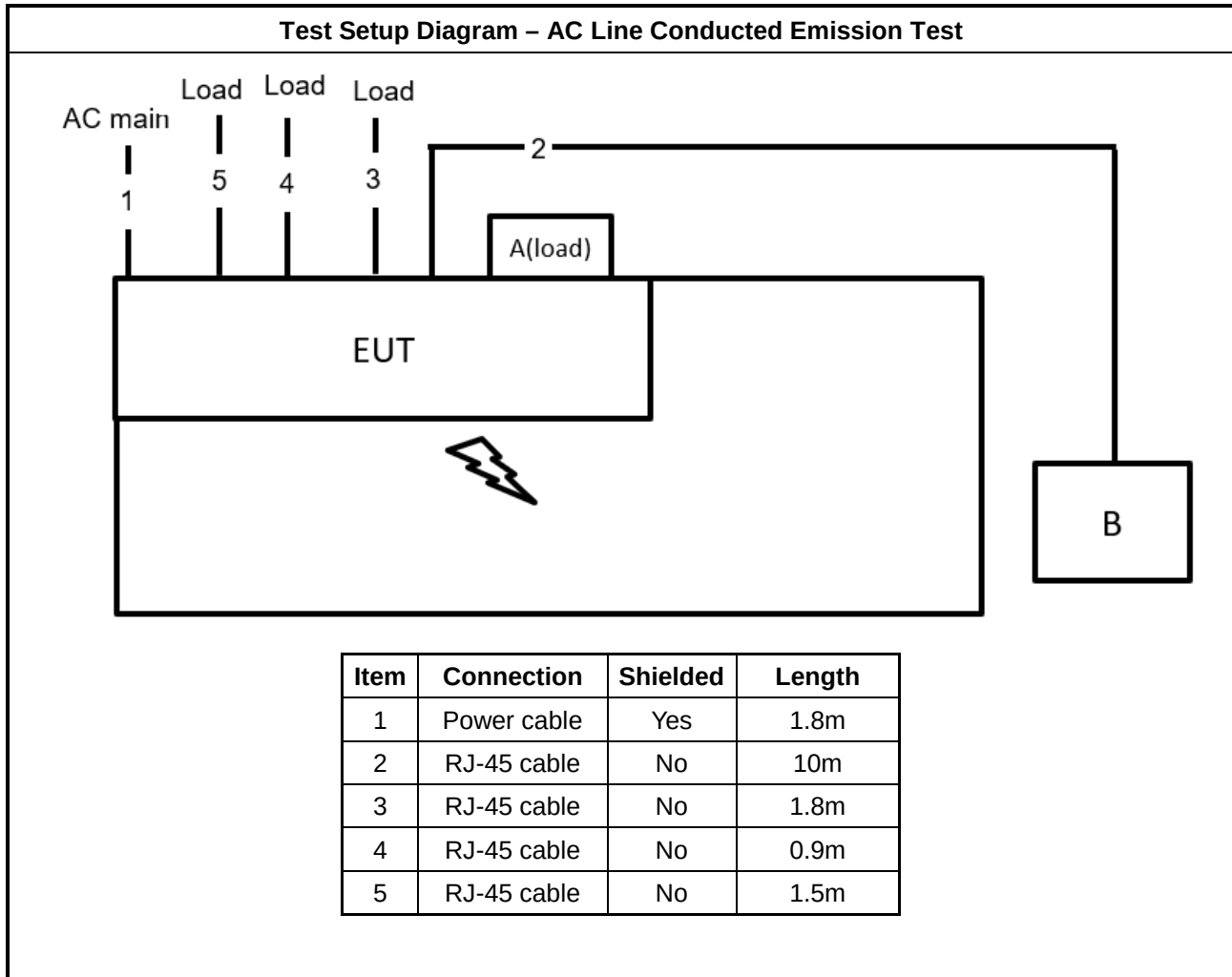
For Radiated < 1GHz:

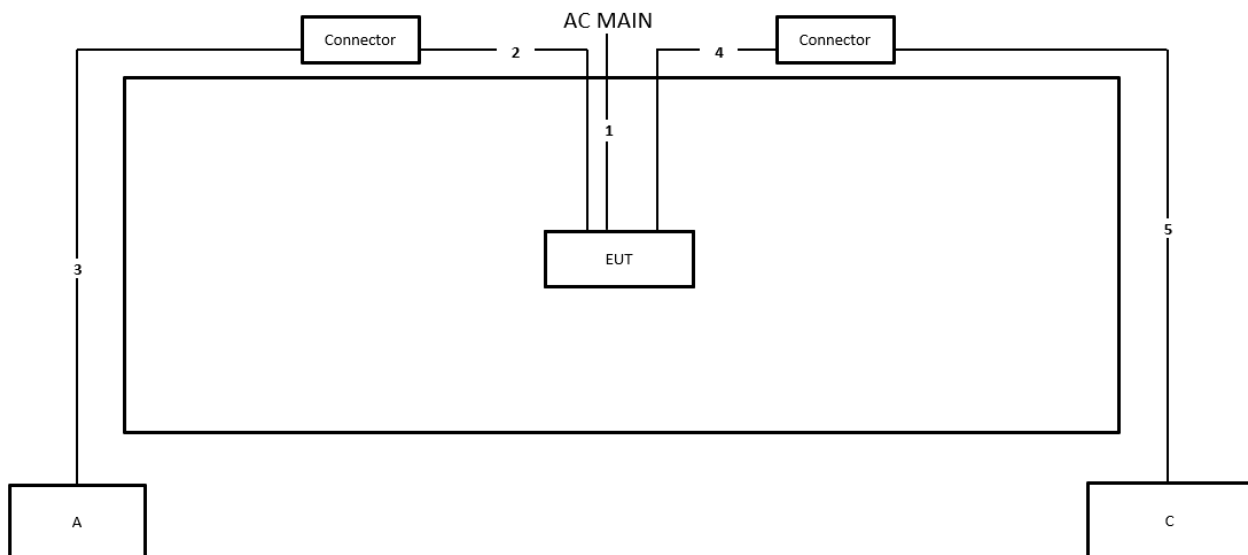
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Client Device	Linksys	LNLM610	2AYRA-100025
C	NB	DELL	E4300	N/A

For RF Conducted (Contention Based Protocol test):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E6230	N/A
B	Notebook	Lenovo	L440	N/A
C	WLAN module	MediaTek Inc.	MT7927	RAS-MT7927
D	WLAN AP	Linksys	LNLM610	N/A

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	Yes	1.5m
2	RJ-45 cable	No	0.9m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.8m
5	RJ-45 cable	No	1.8m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

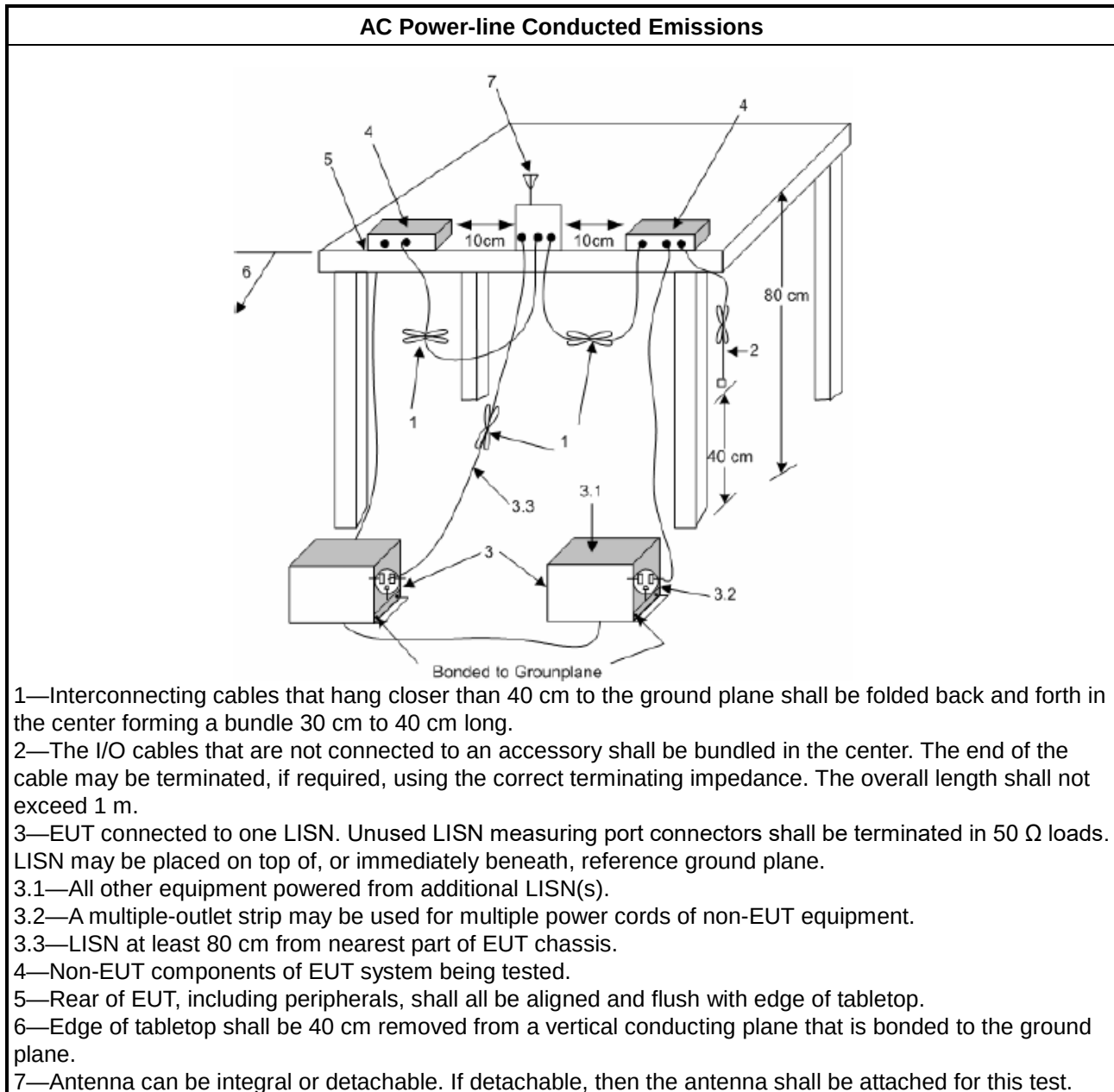
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Unwanted Emissions

3.2.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$).
EX. Above 18GHz emission limit calculation (3m to 1m) = 54dBuV/m at 3m + 9.54dB = 63.54 dBuV/m at 1m.



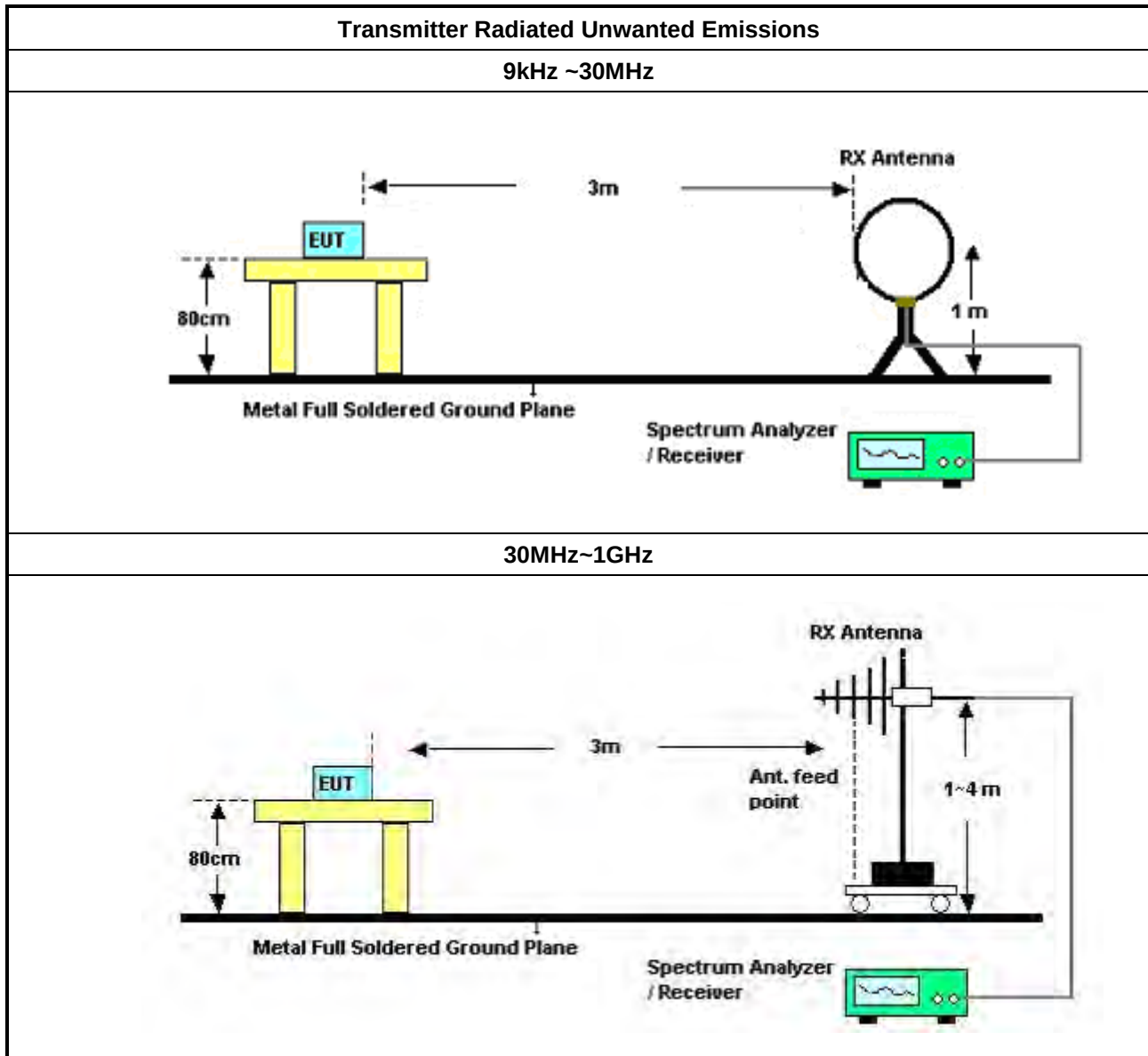
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	☐ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.(For restricted band average measurement)
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.	
For emission MASK shall be measured using following options below:	
	☒ Refer as FCC KDB 987594 D02, J) In-Band Emissions
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.2.4 Test Setup



3.2.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable)
= Level



3.2.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.2.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix B

3.3 Contention Based Protocol

3.3.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

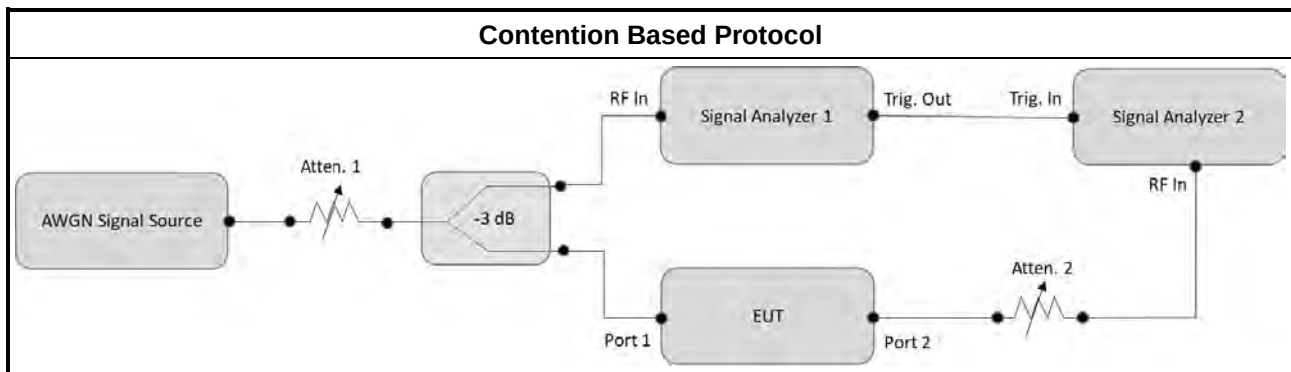
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
■	For Contention Based Protocol shall be measured using following options below:
☒	Refer as FCC KDB 987594 D02, I) Contention Based Protocol.

3.3.4 Test Setup



3.3.5 Test Result of Contention Based Protocol

Refer as Appendix C



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz ~ 30MHz	Oct. 17, 2024	Oct. 16, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 17, 2025	Feb. 16, 2026	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 21, 2025	Jun. 20, 2026	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSV40	101026	9kHz~40GHz	Dec. 04, 2025	Dec. 03, 2026	Conduction (DF01-CB)
Vector Signal Generator	R&S	SMM100A	101894	100kHz ~ 7.5GHz	Nov. 04, 2025	Nov. 03, 2026	Conduction (DF01-CB)
RF Power Divider	Titan	2 Way	DV-8G -09	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conduction (DF01-CB)
RF Power Divider	Titan	2 Way	DV-8G -10	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conduction (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-52	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conduction (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-53	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conduction (DF01-CB)



RADIO TEST REPORT

Report No. : FR542105-02AC

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-54	1 GHz –18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conduction (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-56	1 GHz –18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conduction (DF01-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



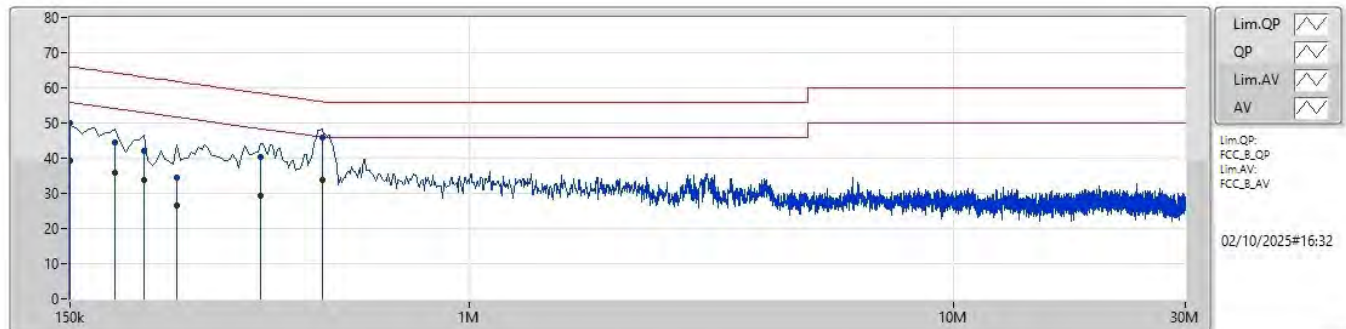
Conducted Emissions at Powerline

Appendix A

Summary

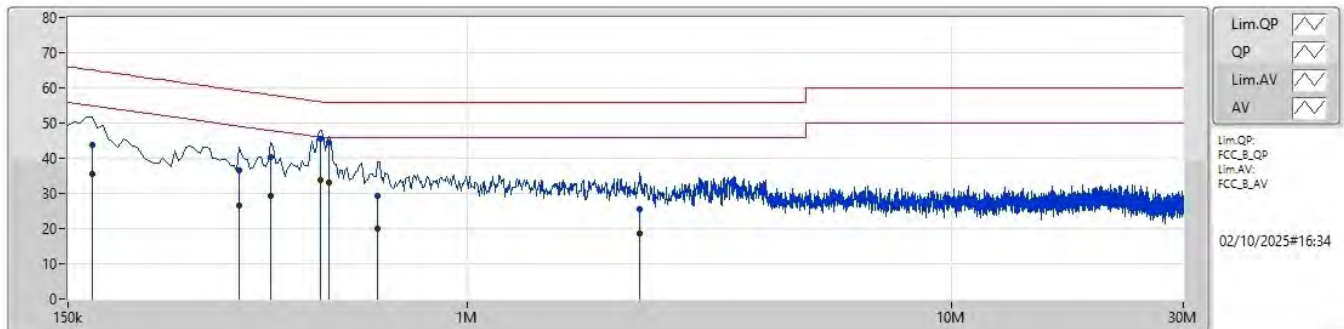
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	496.5k	45.80	56.06	-10.26	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	50.02	66.00	-15.98	10.02	Line	-	40.00	0.05	0.08	9.91						
AV	150k	39.32	56.00	-16.68	10.02	Line	-	29.30	0.05	0.08	9.91						
QP	186k	44.63	64.20	-19.57	10.05	Line	-	34.58	0.06	0.07	9.94						
AV	186k	35.86	54.20	-18.34	10.05	Line	-	25.81	0.06	0.07	9.94						
QP	213k	41.93	63.09	-21.16	10.07	Line	-	31.86	0.06	0.07	9.96						
AV	213k	33.79	53.09	-19.30	10.07	Line	-	23.72	0.06	0.07	9.96						
QP	249k	34.45	61.79	-27.34	10.10	Line	-	24.35	0.06	0.08	9.98						
AV	249k	26.53	51.79	-25.26	10.10	Line	-	16.43	0.06	0.08	9.98						
QP	370.5k	40.45	58.49	-18.04	10.17	Line	-	30.28	0.05	0.10	10.05						
AV	370.5k	29.46	48.49	-19.03	10.17	Line	-	19.29	0.05	0.10	10.05						
QP	496.5k	45.80	56.06	-10.26	10.21	Line	"Worst"	35.59	0.06	0.10	10.08						
AV	496.5k	33.65	46.06	-12.41	10.21	Line	-	23.44	0.06	0.10	10.08						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	43.83	65.06	-21.23	10.04	Neutral	-	33.79	0.08	0.08	9.93						
AV	168k	35.63	55.06	-19.43	10.04	Neutral	-	25.59	0.08	0.08	9.93						
QP	339k	36.69	59.23	-22.54	10.14	Neutral	-	26.55	0.08	0.09	10.03						
AV	339k	26.41	49.23	-22.82	10.14	Neutral	-	16.27	0.08	0.09	10.03						
QP	393k	40.20	58.01	-17.81	10.18	Neutral	-	30.02	0.08	0.10	10.06						
AV	393k	29.48	48.01	-18.53	10.18	Neutral	-	19.30	0.08	0.10	10.06						
QP	496.5k	45.51	56.06	-10.55	10.19	Neutral	"Worst"	35.32	0.08	0.10	10.08						
AV	496.5k	33.91	46.06	-12.15	10.19	Neutral	-	23.72	0.08	0.10	10.08						
QP	519k	44.51	56.00	-11.49	10.20	Neutral	-	34.31	0.08	0.10	10.09						
AV	519k	33.17	46.00	-12.83	10.20	Neutral	-	22.97	0.08	0.10	10.09						
QP	654k	29.27	56.00	-26.73	10.21	Neutral	-	19.06	0.09	0.09	10.11						
AV	654k	20.00	46.00	-26.00	10.21	Neutral	-	9.79	0.09	0.09	10.11						
QP	2.27M	25.61	56.00	-30.39	10.01	Neutral	-	15.60	0.12	0.14	9.94						
AV	2.27M	18.77	46.00	-27.23	10.01	Neutral	-	8.76	0.12	0.14	9.94						



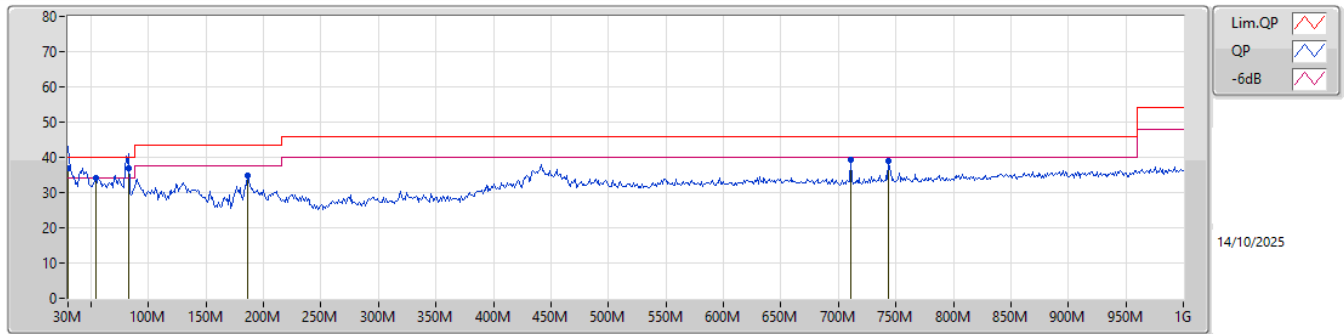
Radiated Emissions below 1GHz

Appendix B

Summary

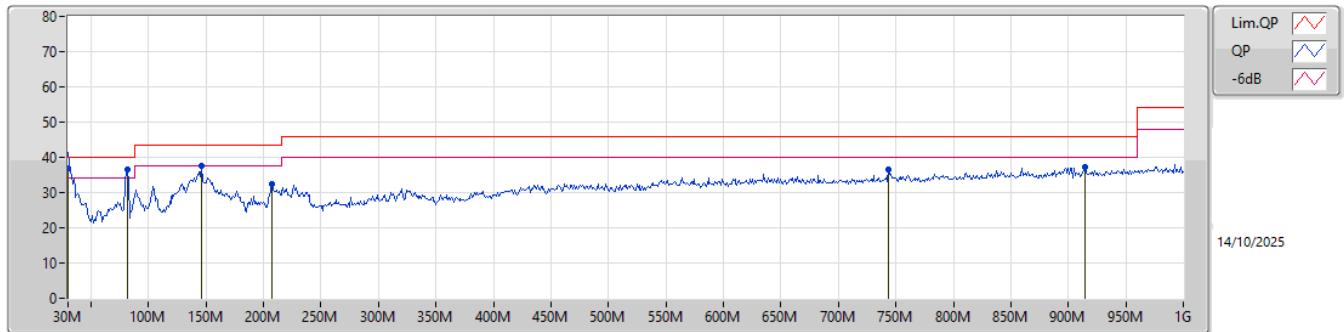
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	30M	36.96	40.00	-3.04	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	30M	36.96	40.00	-3.04	-19.12	3	Vertical	57	1.00	"Worst"	56.08	24.35	0.96	44.43		
PK	54.25M	34.27	40.00	-5.73	-30.21	3	Vertical	70	2.00	-	64.48	13.15	1.33	44.69		
PK	82.38M	36.93	40.00	-3.07	-29.81	3	Vertical	341	3.00	-	66.74	13.20	1.62	44.63		
PK	186.17M	34.97	43.50	-8.53	-27.08	3	Vertical	258	1.00	-	62.05	14.98	2.43	44.49		
PK	710.94M	39.15	46.00	-6.85	-14.09	3	Vertical	116	2.00	-	53.24	25.18	4.54	43.81		
PK	743.92M	38.97	46.00	-7.03	-13.32	3	Vertical	146	1.25	-	52.29	25.74	4.65	43.71		

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	30M	36.91	40.00	-3.09	-19.12	3	Horizontal	309	1.00	"Worst"	56.03	24.35	0.96	44.43		
PK	81.41M	36.54	40.00	-3.46	-29.97	3	Horizontal	24	1.00	-	66.51	13.05	1.61	44.63		
PK	146.4M	37.51	43.50	-5.99	-25.91	3	Horizontal	34	1.00	-	63.42	16.59	2.16	44.66		
PK	207.51M	32.45	43.50	-11.05	-26.51	3	Horizontal	92	1.50	-	58.96	15.47	2.52	44.50		
PK	743.92M	36.40	46.00	-9.60	-13.32	3	Horizontal	64	1.25	-	49.72	25.74	4.65	43.71		
PK	915M	37.16	46.00	-8.84	-11.60	3	Horizontal	5	2.00	-	48.76	26.79	5.11	43.50		

Contention Based Protocol Threshold Level 802.11be EHT20										
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	53	20	6215	Center	6215	OFF	-66.80	2.20	-69.00	≤ -62
						Minimal	-67.80	2.20	-70.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
6	101	20	6455	Center	6455	OFF	-70.80	2.20	-73.00	≤ -62
						Minimal	-71.80	2.20	-74.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7	149	20	6695	Center	6695	OFF	-66.80	2.20	-69.00	≤ -62
						Minimal	-67.80	2.20	-70.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
8	213	20	7015	Center	7015	OFF	-68.80	2.20	-71.00	≤ -62
						Minimal	-69.80	2.20	-72.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62

Contention Based Protocol Threshold Level 802.11be EHT320										
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	31	320	6105	Low edge	5950	OFF	-72.80	2.20	-75.00	≤ -62
						Minimal	-73.80	2.20	-76.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6105	OFF	-70.80	2.20	-73.00	≤ -62
						Minimal	-71.80	2.20	-74.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6260	OFF	-70.80	2.20	-73.00	≤ -62
						Minimal	-71.80	2.20	-74.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
5/6/7	95	320	6425	Low edge	6270	OFF	-71.80	2.20	-74.00	≤ -62
						Minimal	-72.80	2.20	-75.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6425	OFF	-68.80	2.20	-71.00	≤ -62
						Minimal	-69.80	2.20	-72.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6580	OFF	-63.80	2.20	-66.00	≤ -62
						Minimal	-64.80	2.20	-67.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7/8	159	320	6745	Low edge	6590	OFF	-71.80	2.20	-74.00	≤ -62
						Minimal	-72.80	2.20	-75.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6745	OFF	-69.80	2.20	-72.00	≤ -62
						Minimal	-70.80	2.20	-73.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6900	OFF	-71.80	2.20	-74.00	≤ -62
						Minimal	-72.80	2.20	-75.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7/8	191	320	6905	Low edge	6750	OFF	-68.80	2.20	-71.00	≤ -62
						Minimal	-69.80	2.20	-72.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6905	OFF	-62.80	2.20	-65.00	≤ -62
						Minimal	-63.80	2.20	-66.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	7060	OFF	-67.80	2.20	-70.00	≤ -62
						Minimal	-68.80	2.20	-71.00	≤ -62
						ON	-78.80	2.20	-81.00	≤ -62

Contention Based protocol 802.11be EHT20											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-69.00	OFF	9	90	90	PASS
6	101	20	6455	Center	6455	-73.00	OFF	9	90	90	PASS
7	149	20	6695	Center	6695	-69.00	OFF	10	100	90	PASS
8	213	20	7015	Center	7015	-71.00	OFF	10	100	90	PASS

Contention Based protocol 802.11be EHT320											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	31	320	6105	Low edge	5950	-75.00	OFF	10	100	90	PASS
				Center	6105	-73.00	OFF	10	100	90	PASS
				High edge	6260	-73.00	OFF	10	100	90	PASS
5/6/7	95	320	6425	Low edge	6270	-74.00	OFF	10	100	90	PASS
				Center	6425	-71.00	OFF	10	100	90	PASS
				High edge	6580	-66.00	OFF	10	100	90	PASS
7/8	159	320	6745	Low edge	6590	-74.00	OFF	10	100	90	PASS
				Center	6745	-72.00	OFF	10	100	90	PASS
				High edge	6900	-74.00	OFF	10	100	90	PASS
7/8	191	320	6905	Low edge	6750	-71.00	OFF	10	100	90	PASS
				Center	6905	-65.00	OFF	10	100	90	PASS
				High edge	7060	-70.00	OFF	10	100	90	PASS

Incumbent signal (AWGN) Plot

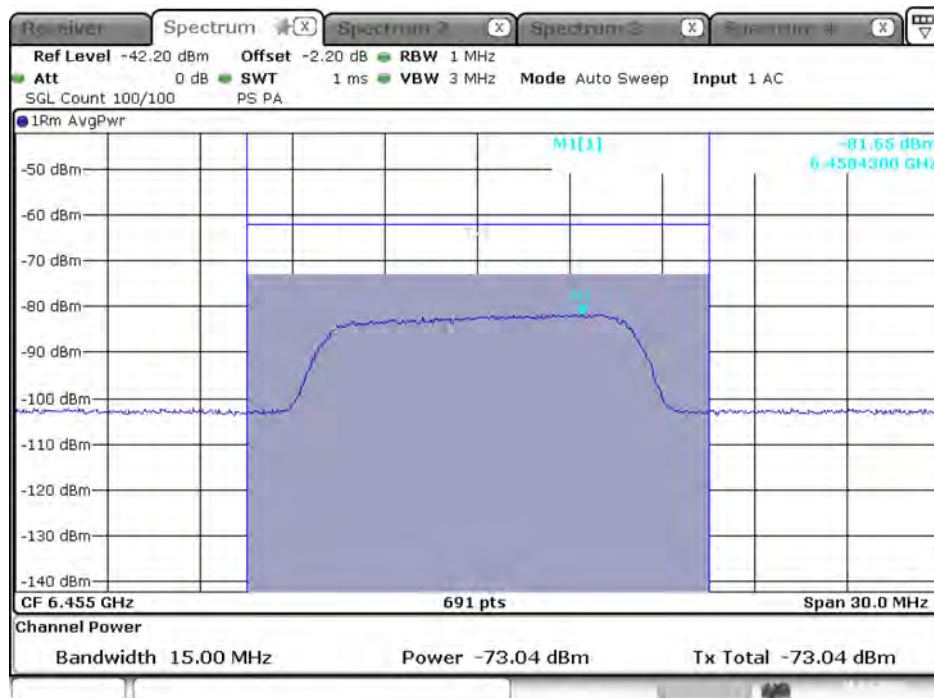
Bandwidth: 20MHz

Frequency (MHz): 6215 MHz



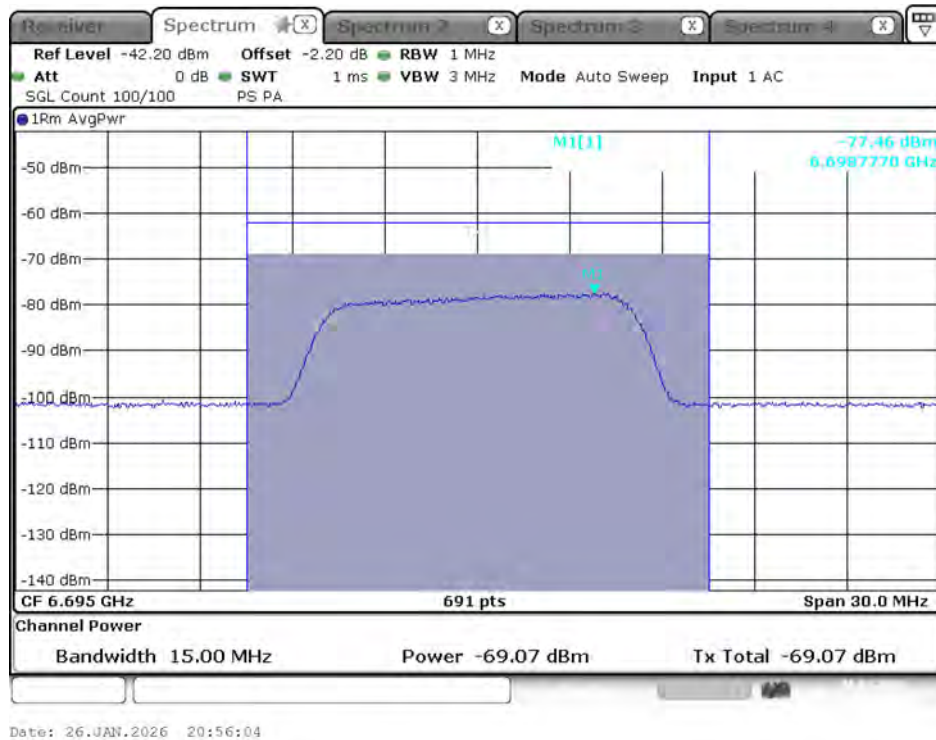
Date: 26.JAN.2026 20:53:38

Frequency (MHz): 6455 MHz

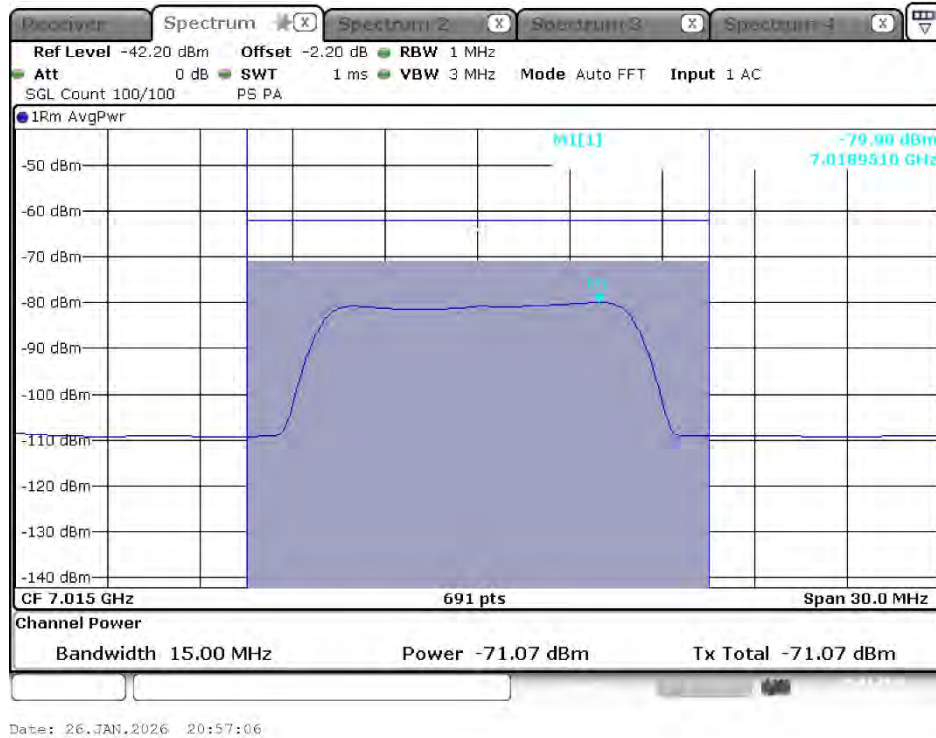


Date: 26.JAN.2026 20:54:50

Frequency (MHz): 6695 MHz



Frequency (MHz): 7015 MHz

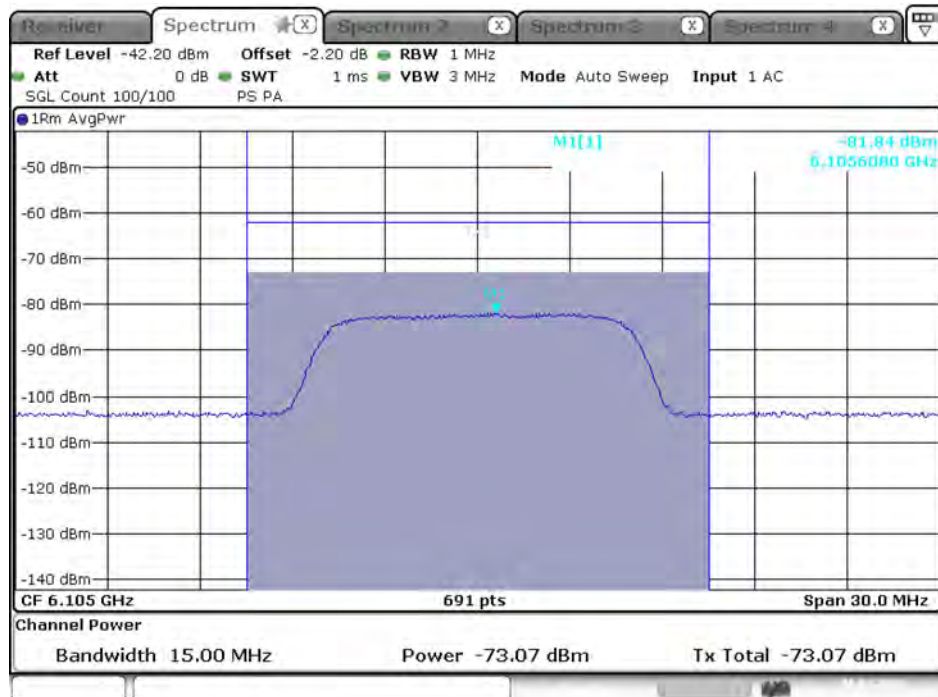


Bandwidth: 320MHz

Frequency (MHz): 5950 MHz



Frequency (MHz): 6105 MHz



Frequency (MHz): 6260 MHz



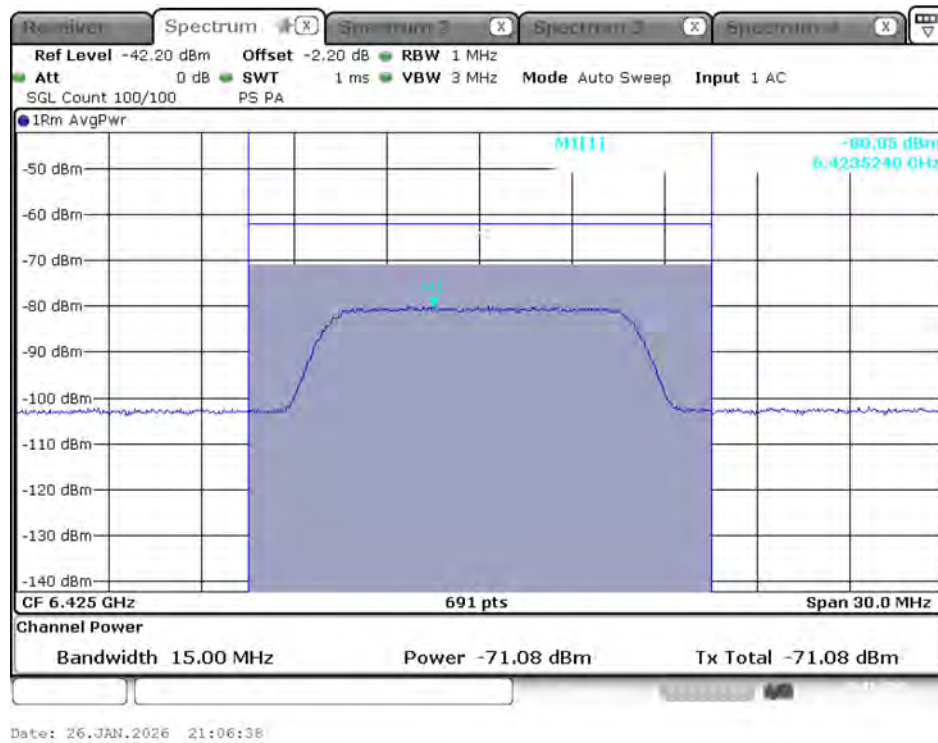
Date: 26.JAN.2026 21:04:33

Frequency (MHz): 6270 MHz

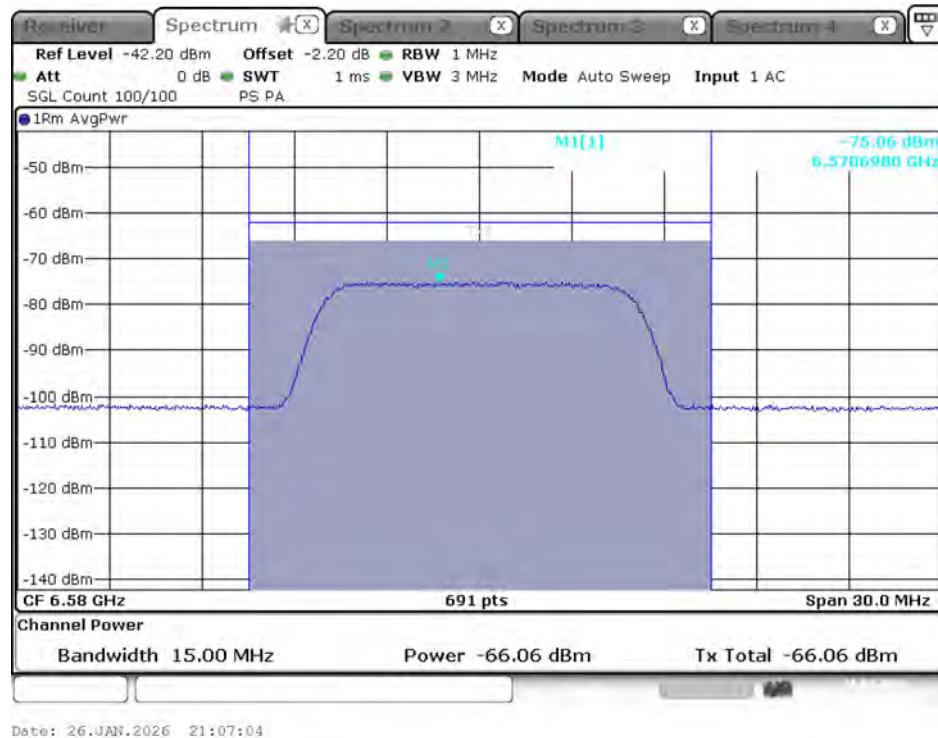


Date: 26.JAN.2026 21:06:03

Frequency (MHz): 6425 MHz



Frequency (MHz): 6580 MHz



Frequency (MHz): 6590 MHz



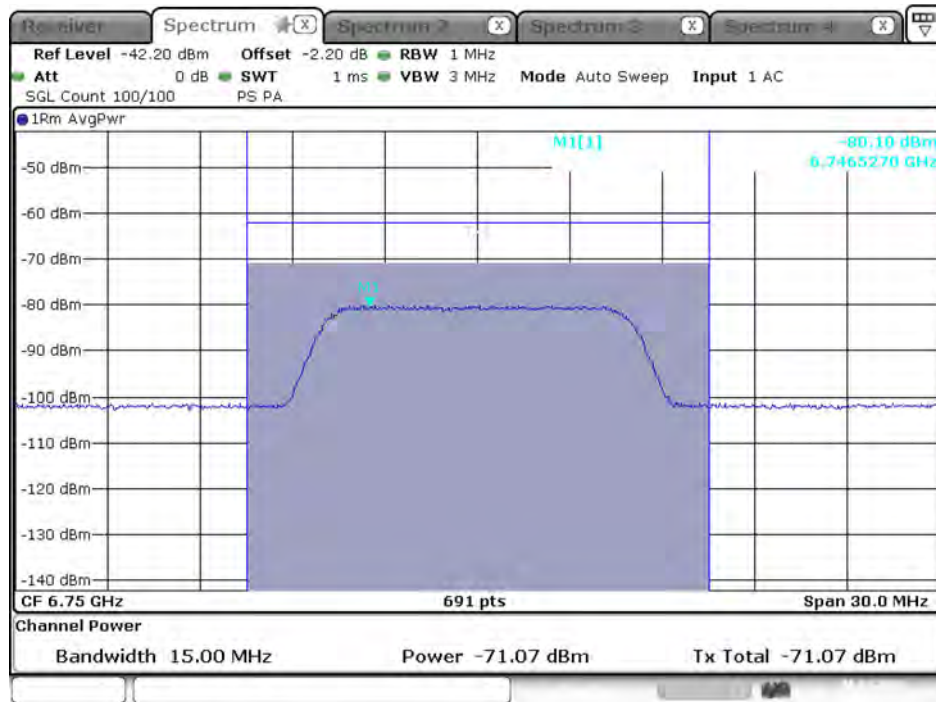
Date: 26.JAN.2026 21:07:59

Frequency (MHz): 6745 MHz



Date: 26.JAN.2026 21:08:30

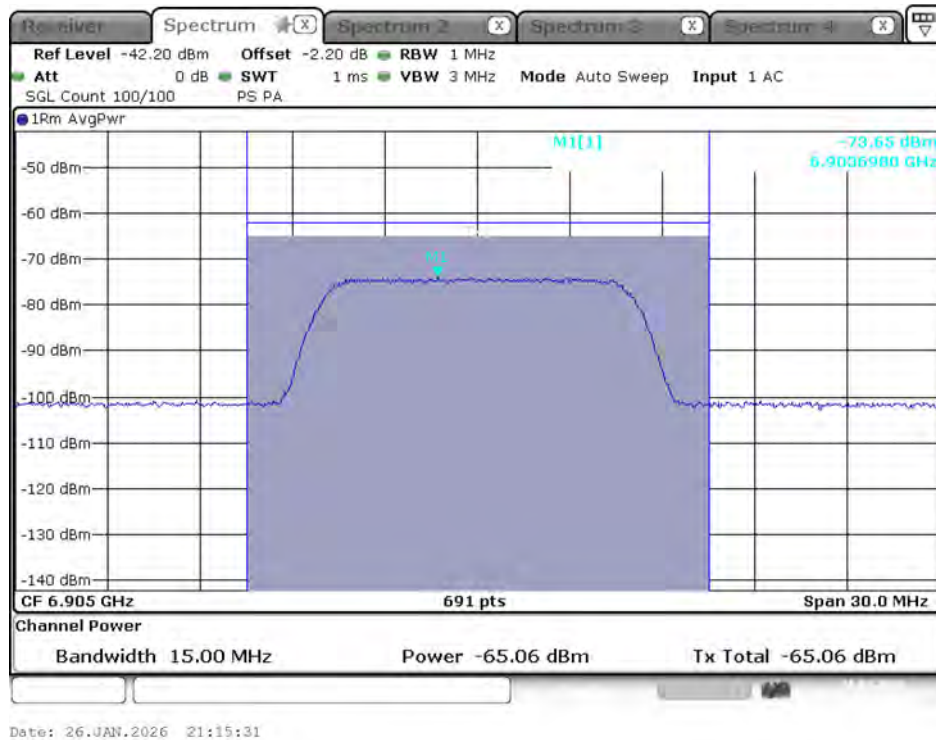
Frequency (MHz): 6750 MHz



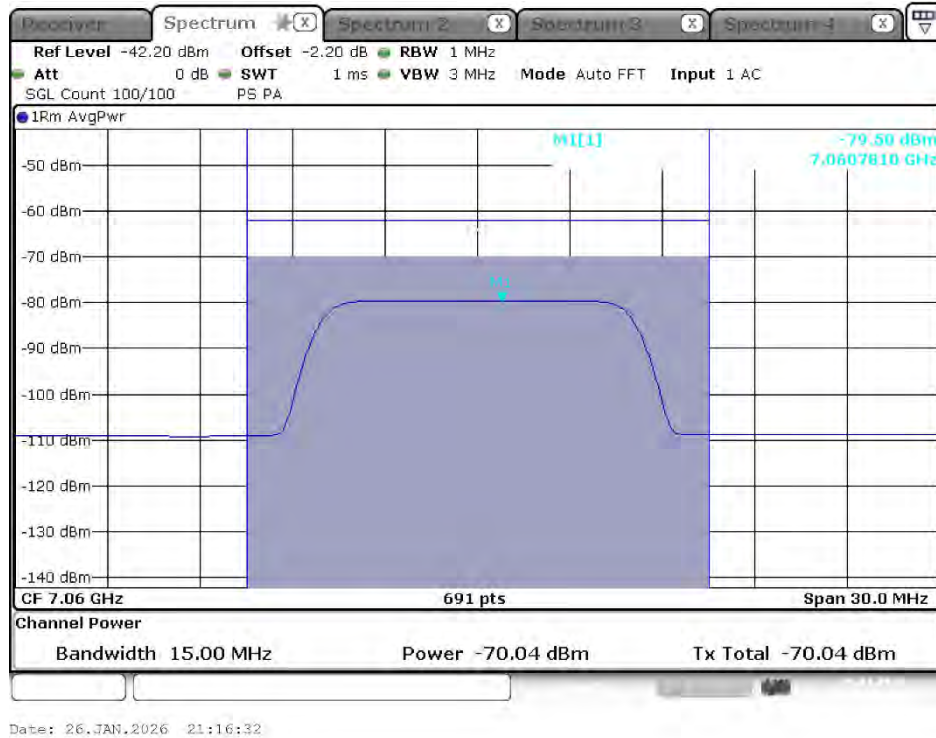
Frequency (MHz): 6900 MHz



Frequency (MHz): 6905 MHz



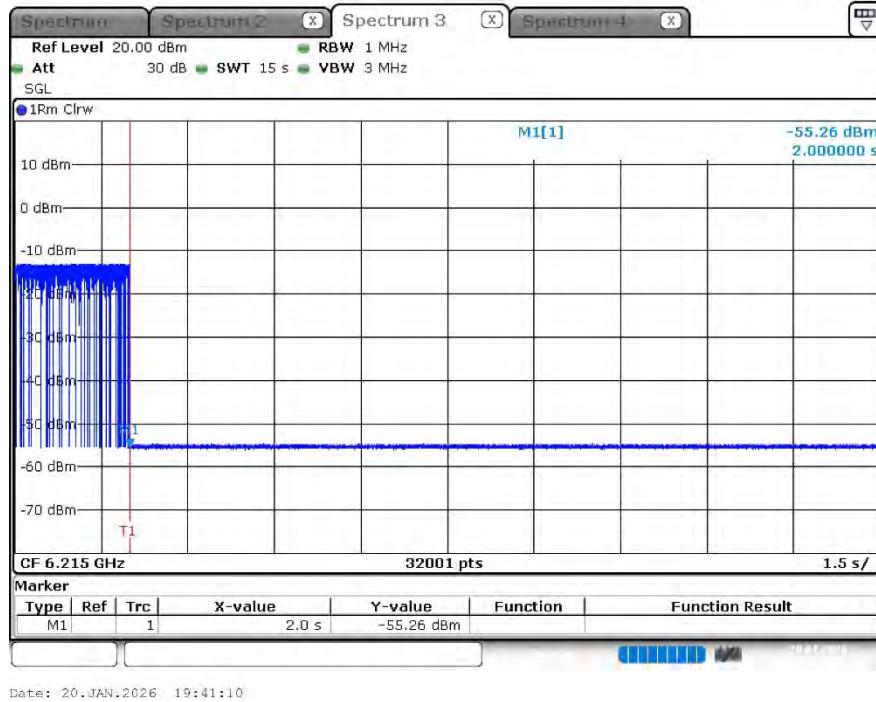
Frequency (MHz): 7060 MHz



Contention-Based Protocol Plot

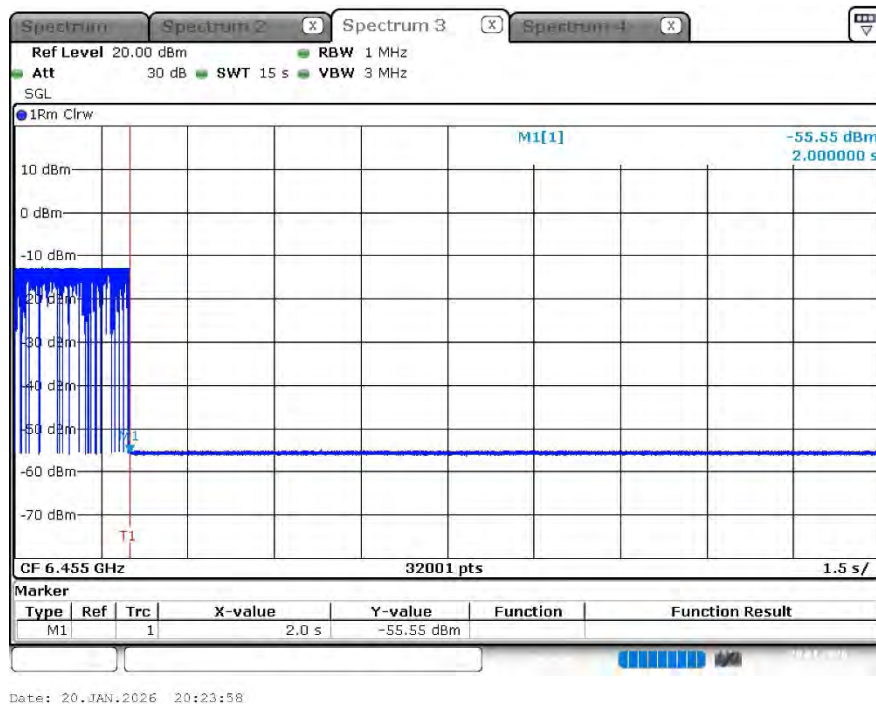
Bandwidth: 20MHz

Test CH 53 ; Incumbent signal 6215 MHz



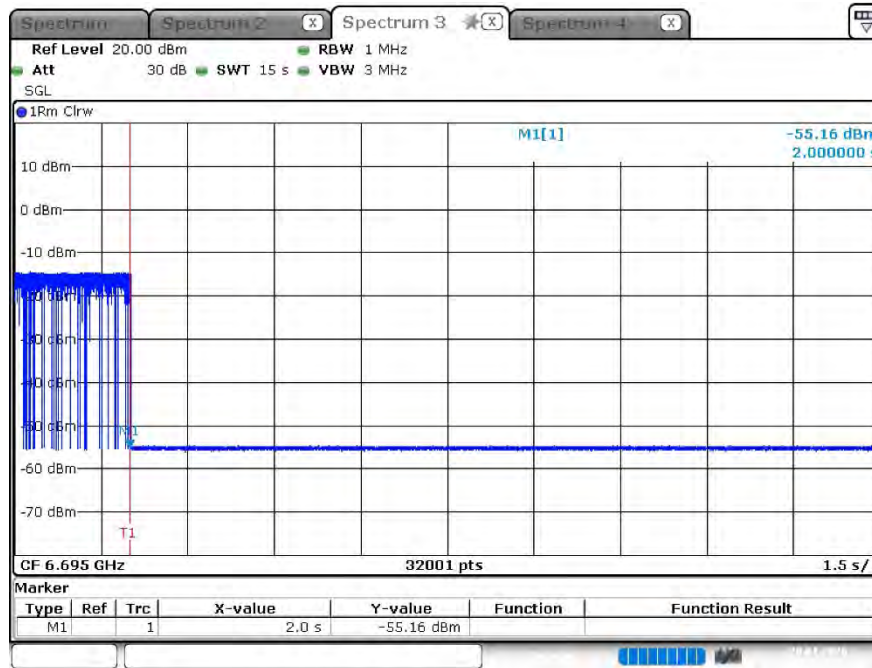
Note : M1 : Inject AWGN signal

Test CH 101 ; Incumbent signal 6455 MHz



Note : M1 : Inject AWGN signal

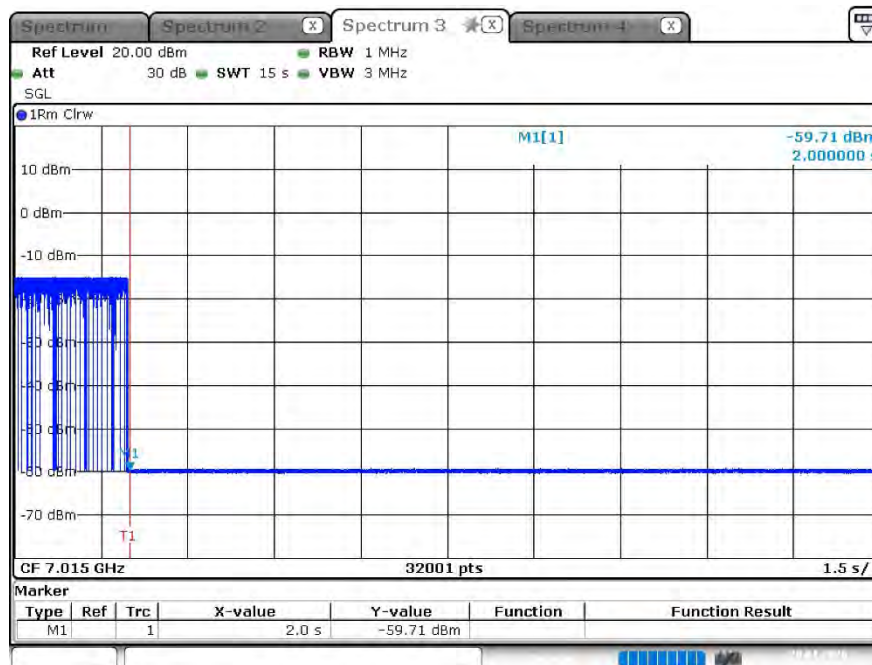
Test CH 149 ; Incumbent signal 6695 MHz



Date: 20.JAN.2026 20:46:32

Note : M1 : Inject AWGN signal

Test CH 213 ; Incumbent signal 7015 MHz

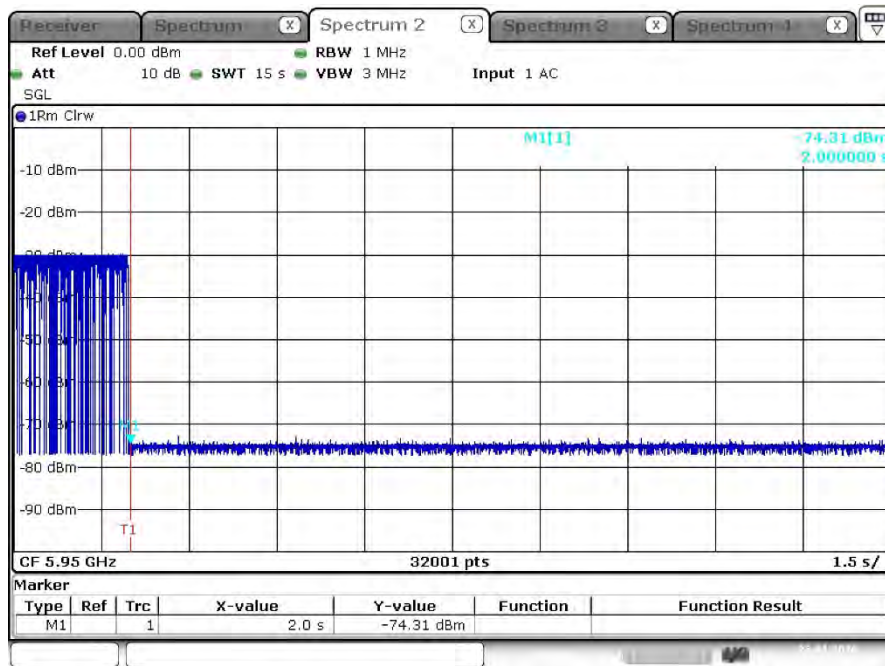


Date: 20.JAN.2026 21:38:01

Note : M1 : Inject AWGN signal

Bandwidth: 320MHz

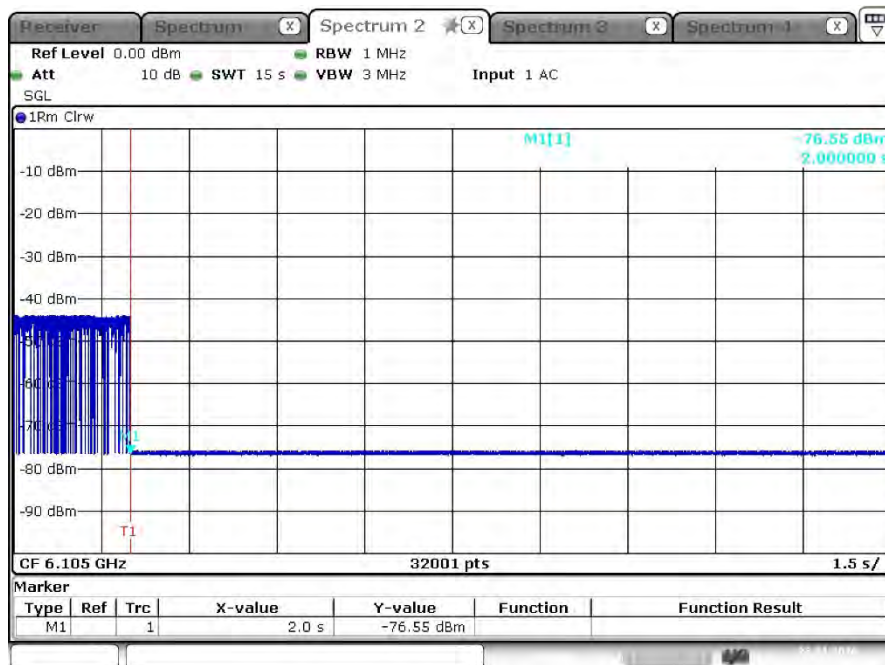
Test CH 31 ; Incumbent signal 5950 MHz



Date : 26.JAN.2026 09:47:16

Note : M1 : Inject AWGN signal

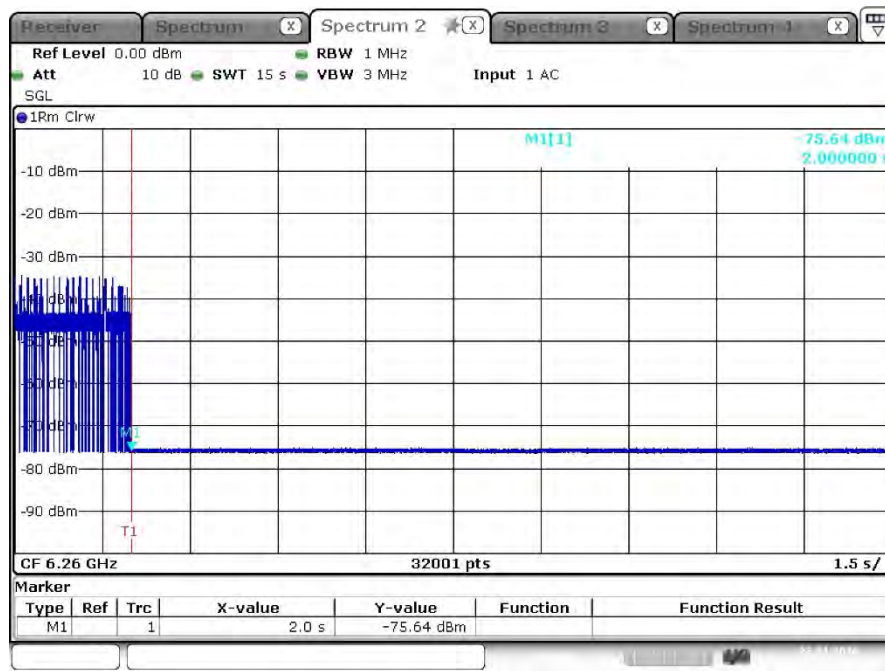
Test CH 31 ; Incumbent signal 6105 MHz



Date : 26.JAN.2026 10:07:50

Note : M1 : Inject AWGN signal

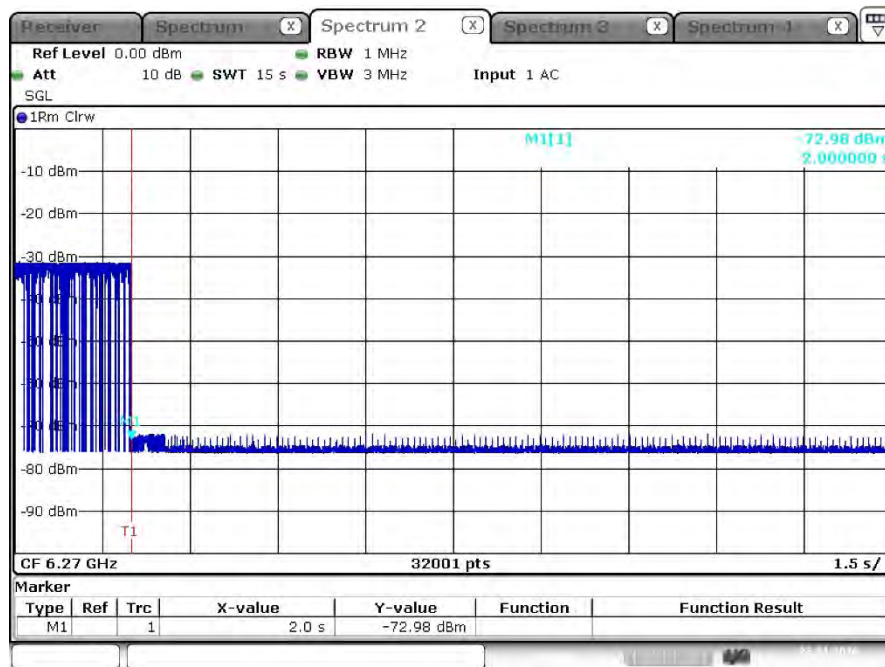
Test CH 31 ; Incumbent signal 6260 MHz



Date: 26, JAN, 2026 10:05:23

Note : M1 : Inject AWGN signal

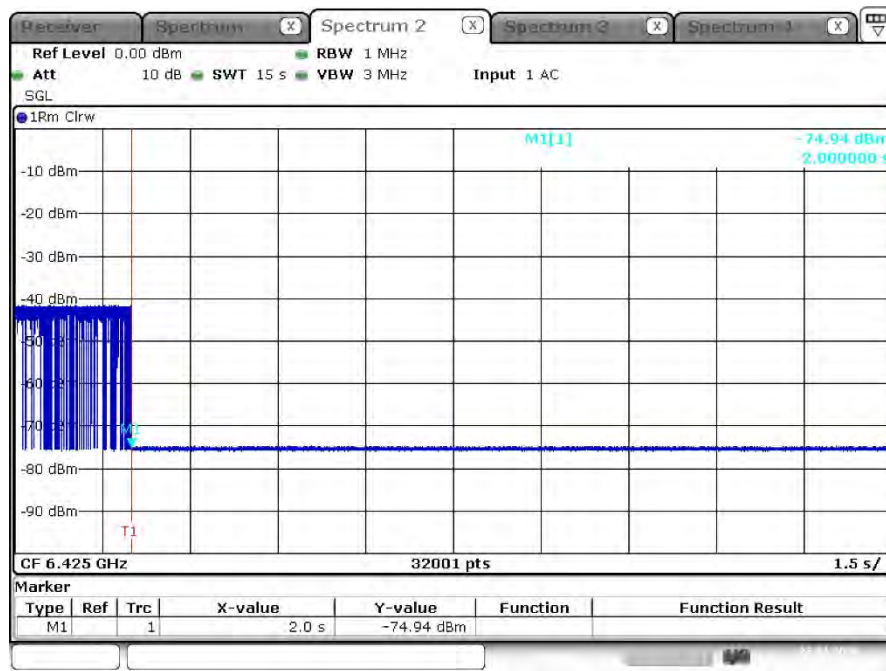
Test CH 95 ; Incumbent signal 6270 MHz



Date: 26, JAN, 2026 10:21:36

Note : M1 : Inject AWGN signal

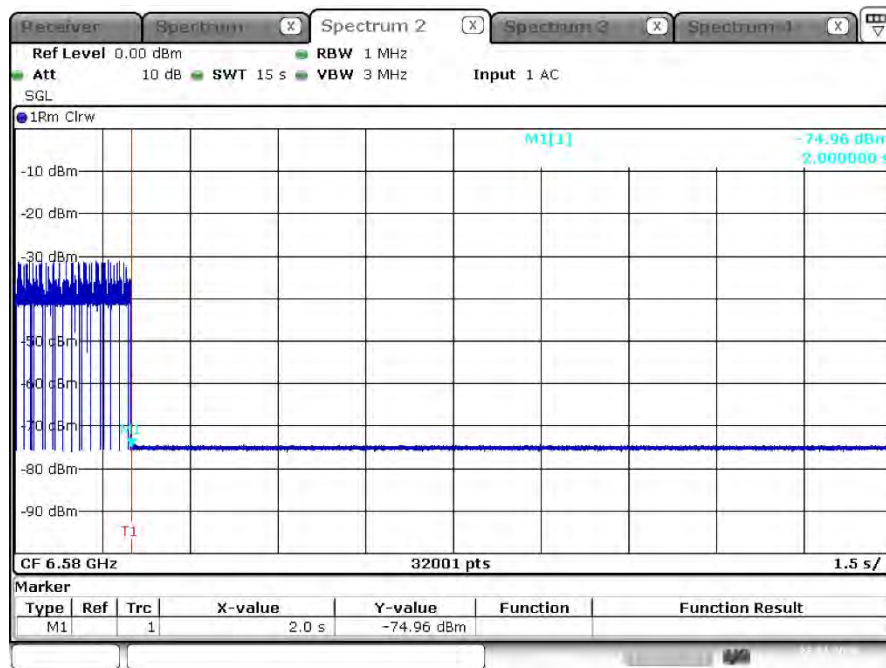
Test CH 95 ; Incumbent signal 6425 MHz



Date: 26.JAN.2026 10:27:22

Note : M1 : Inject AWGN signal

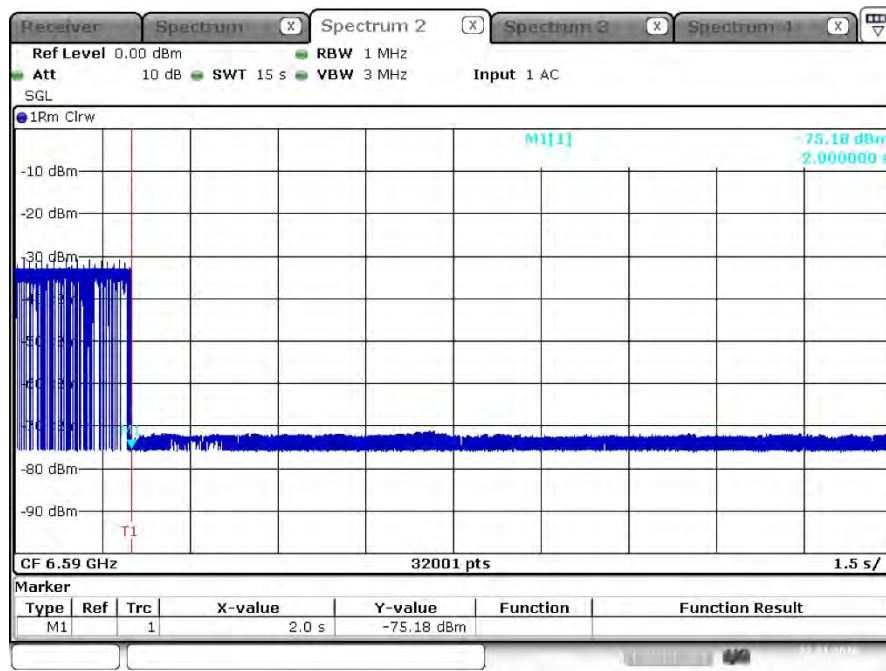
Test CH 95 ; Incumbent signal 6580 MHz



Date: 26.JAN.2026 10:45:49

Note : M1 : Inject AWGN signal

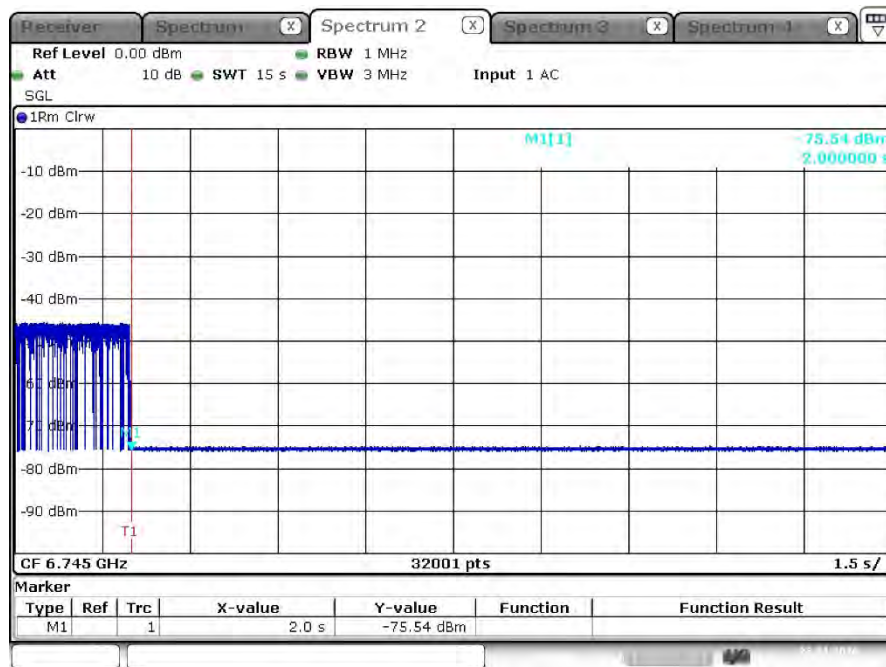
Test CH 159 ; Incumbent signal 6590 MHz



Date: 26.JAN.2026 10:54:51

Note : M1 : Inject AWGN signal

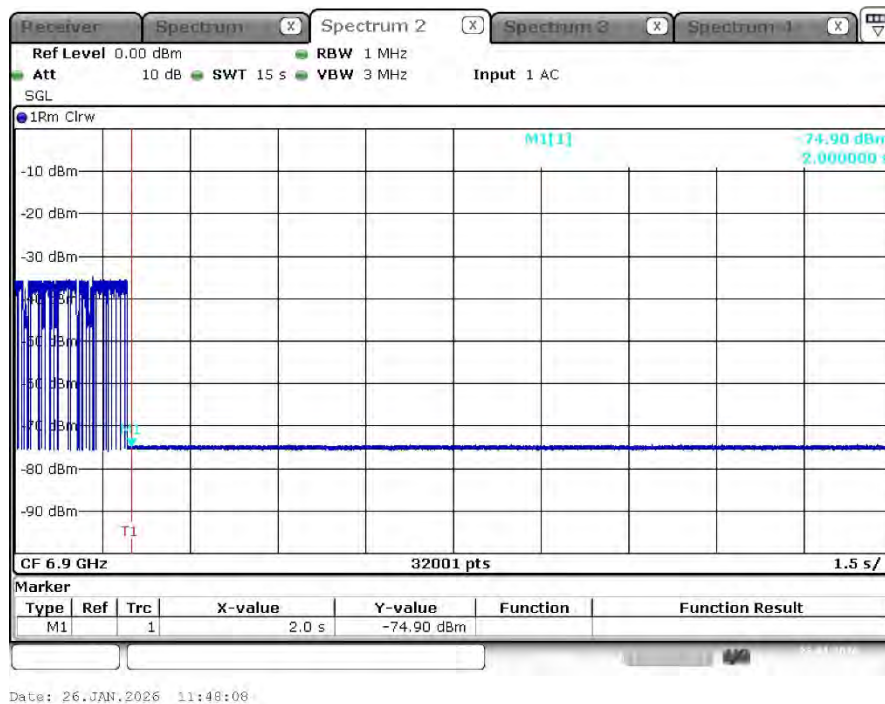
Test CH 159 ; Incumbent signal 6745 MHz



Date: 26.JAN.2026 11:30:18

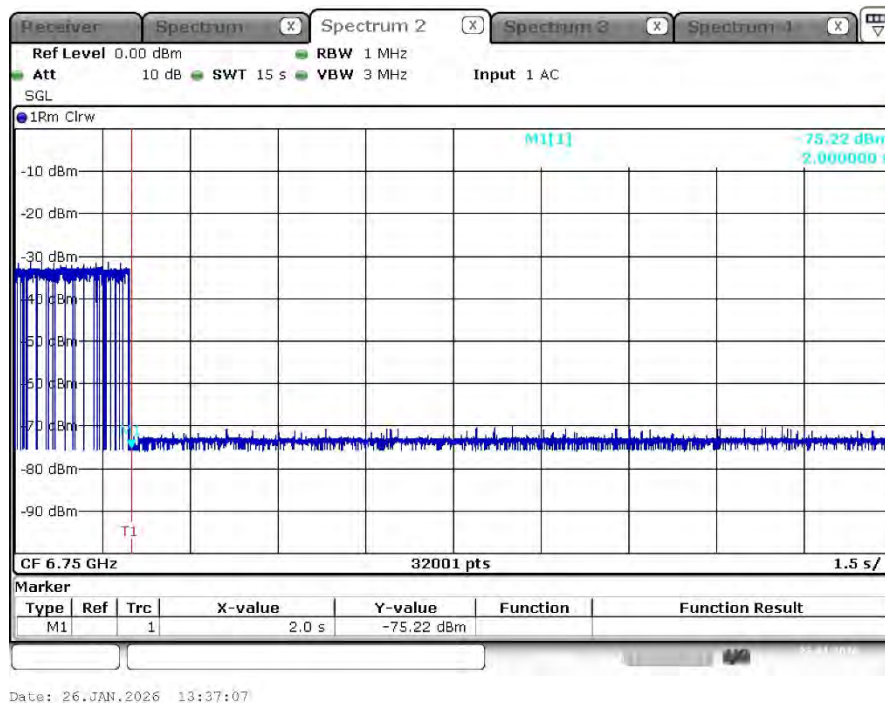
Note : M1 : Inject AWGN signal

Test CH 159 ; Incumbent signal 6900 MHz



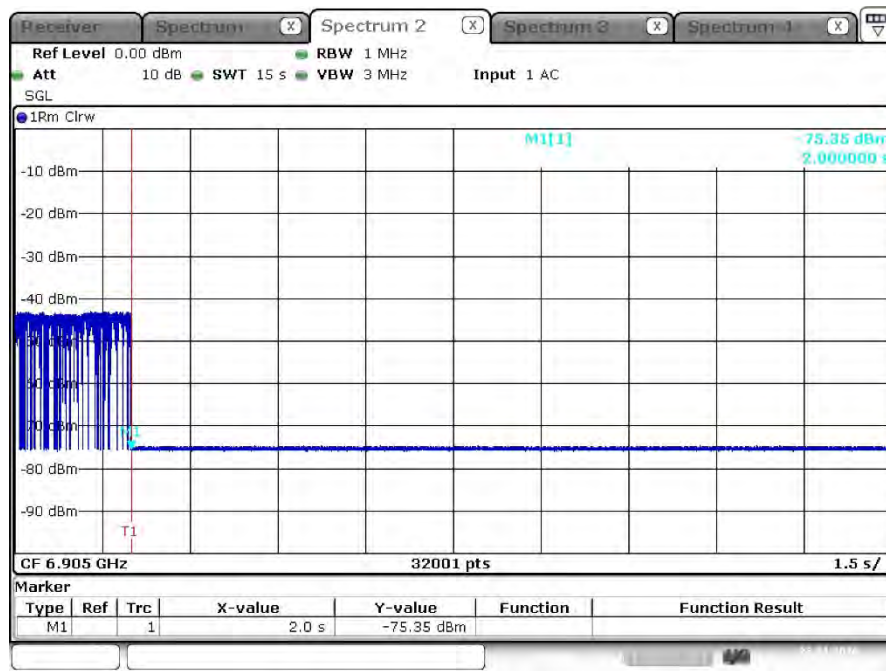
Note : M1 : Inject AWGN signal

Test CH 191 ; Incumbent signal 6750 MHz



Note : M1 : Inject AWGN signal

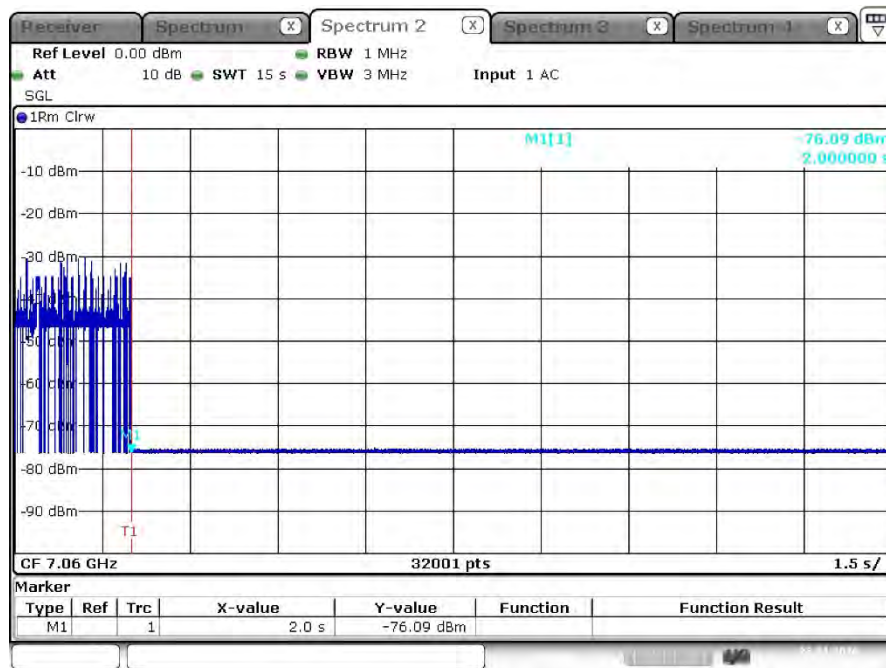
Test CH 191 ; Incumbent signal 6905 MHz



Date: 26.JAN.2026 13:55:29

Note : M1 : Inject AWGN signal

Test CH 191 ; Incumbent signal 7060 MHz



Date: 26.JAN.2026 14:03:58

Note : M1 : Inject AWGN signal

Contention Based Protocol Threshold Level 802.11be EHT20										
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	53	20	6215	Center	6215	OFF	-69.80	2.20	-72.00	≤ -62
						Minimal	-70.80	2.20	-73.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
6	101	20	6455	Center	6455	OFF	-68.80	2.20	-71.00	≤ -62
						Minimal	-69.80	2.20	-72.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7	149	20	6695	Center	6695	OFF	-69.80	2.20	-72.00	≤ -62
						Minimal	-70.80	2.20	-73.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
8	213	20	7015	Center	7015	OFF	-67.80	2.20	-70.00	≤ -62
						Minimal	-68.80	2.20	-71.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62

Contention Based Protocol Threshold Level 802.11be EHT320										
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	31	320	6105	Low edge	5950	OFF	-72.80	2.20	-75.00	≤ -62
						Minimal	-73.80	2.20	-76.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6105	OFF	-67.80	2.20	-70.00	≤ -62
						Minimal	-68.80	2.20	-71.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6260	OFF	-72.80	2.20	-75.00	≤ -62
						Minimal	-73.80	2.20	-76.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
5/6/7	95	320	6425	Low edge	6270	OFF	-71.80	2.20	-74.00	≤ -62
						Minimal	-72.80	2.20	-75.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6425	OFF	-66.80	2.20	-69.00	≤ -62
						Minimal	-67.80	2.20	-70.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6580	OFF	-68.80	2.20	-71.00	≤ -62
						Minimal	-69.80	2.20	-72.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7/8	159	320	6745	Low edge	6590	OFF	-70.80	2.20	-73.00	≤ -62
						Minimal	-71.80	2.20	-74.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6745	OFF	-62.80	2.20	-65.00	≤ -62
						Minimal	-63.80	2.20	-66.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	6900	OFF	-64.80	2.20	-67.00	≤ -62
						Minimal	-65.80	2.20	-68.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
7/8	191	320	6905	Low edge	6750	OFF	-71.60	2.20	-73.80	≤ -62
						Minimal	-72.60	2.20	-74.80	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				Center	6905	OFF	-64.80	2.20	-67.00	≤ -62
						Minimal	-65.80	2.20	-68.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62
				High edge	7060	OFF	-65.80	2.20	-68.00	≤ -62
						Minimal	-66.80	2.20	-69.00	≤ -62
						ON	-79.80	2.20	-82.00	≤ -62

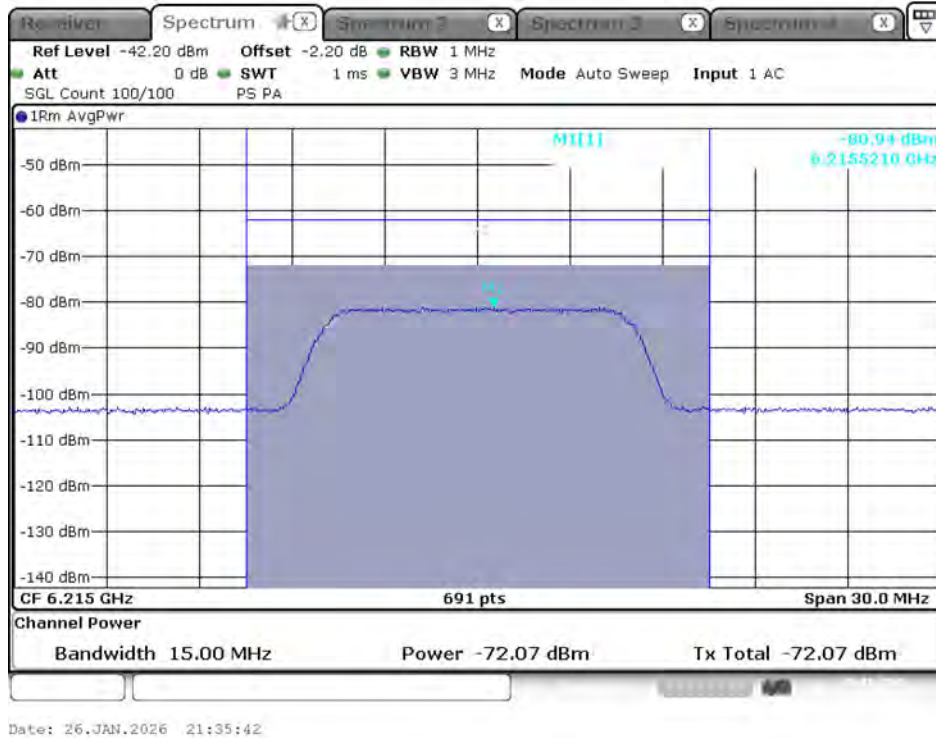
Contention Based protocol 802.11be EHT20											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-72.00	OFF	10	100	90	PASS
6	101	20	6455	Center	6455	-71.00	OFF	10	100	90	PASS
7	149	20	6695	Center	6695	-72.00	OFF	9	90	90	PASS
8	213	20	7015	Center	7015	-70.00	OFF	9	90	90	PASS

Contention Based protocol 802.11be EHT320											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	31	320	6105	Low edge	5950	-75.00	OFF	10	100	90	PASS
				Center	6105	-70.00	OFF	10	100	90	PASS
				High edge	6260	-75.00	OFF	10	100	90	PASS
5/6/7	95	320	6425	Low edge	6270	-74.00	OFF	10	100	90	PASS
				Center	6425	-69.00	OFF	10	100	90	PASS
				High edge	6580	-71.00	OFF	10	100	90	PASS
7/8	159	320	6745	Low edge	6590	-73.00	OFF	10	100	90	PASS
				Center	6745	-65.00	OFF	10	100	90	PASS
				High edge	6900	-67.00	OFF	10	100	90	PASS
7/8	191	320	6905	Low edge	6750	-73.80	OFF	10	100	90	PASS
				Center	6905	-67.00	OFF	10	100	90	PASS
				High edge	7060	-68.00	OFF	10	100	90	PASS

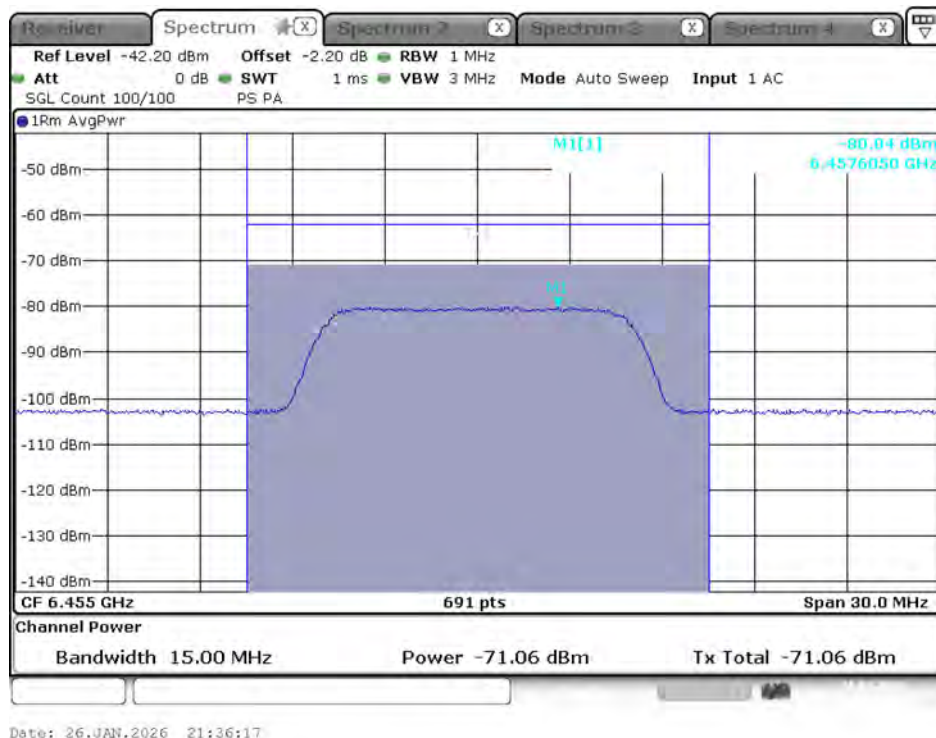
Incumbent signal (AWGN) Plot

Bandwidth: 20MHz

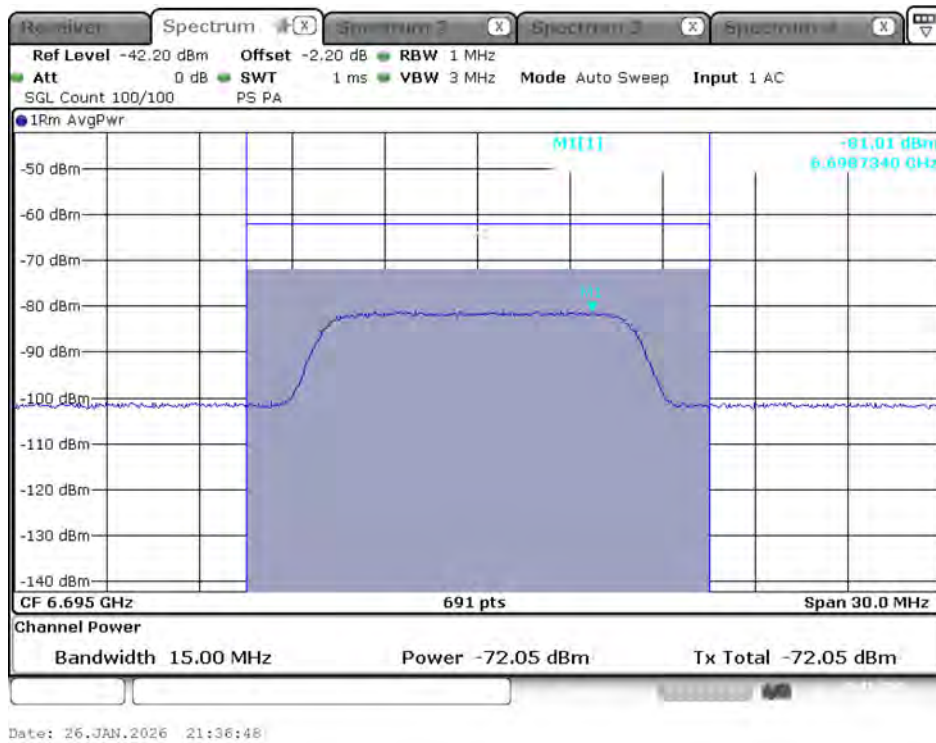
Frequency (MHz): 6215 MHz



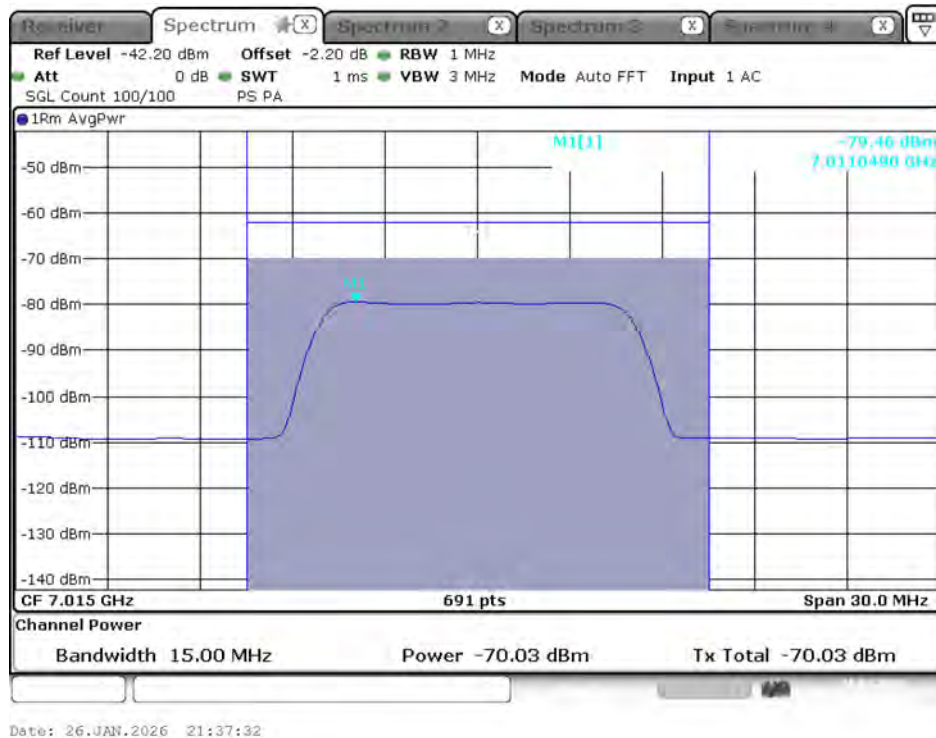
Frequency (MHz): 6455 MHz



Frequency (MHz): 6695 MHz



Frequency (MHz): 7015 MHz



Bandwidth: 320MHz

Frequency (MHz): 5950 MHz



Date: 26.JAN.2026 21:38:15

Frequency (MHz): 6105 MHz



Date: 26.JAN.2026 21:38:54

Frequency (MHz): 6260 MHz



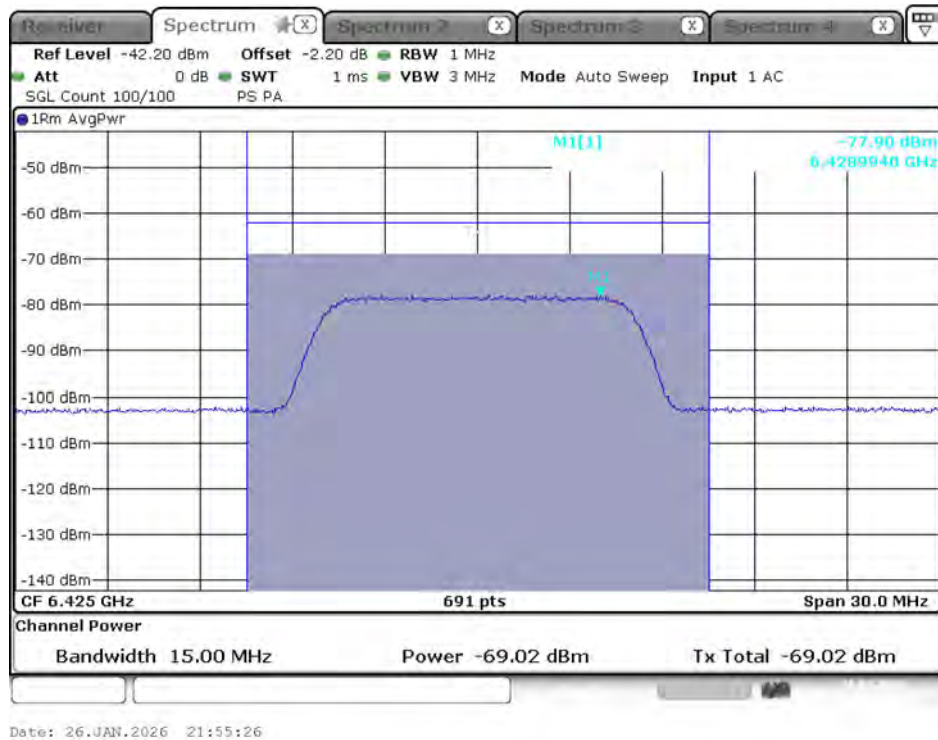
Date: 26.JAN.2026 21:39:28

Frequency (MHz): 6270 MHz

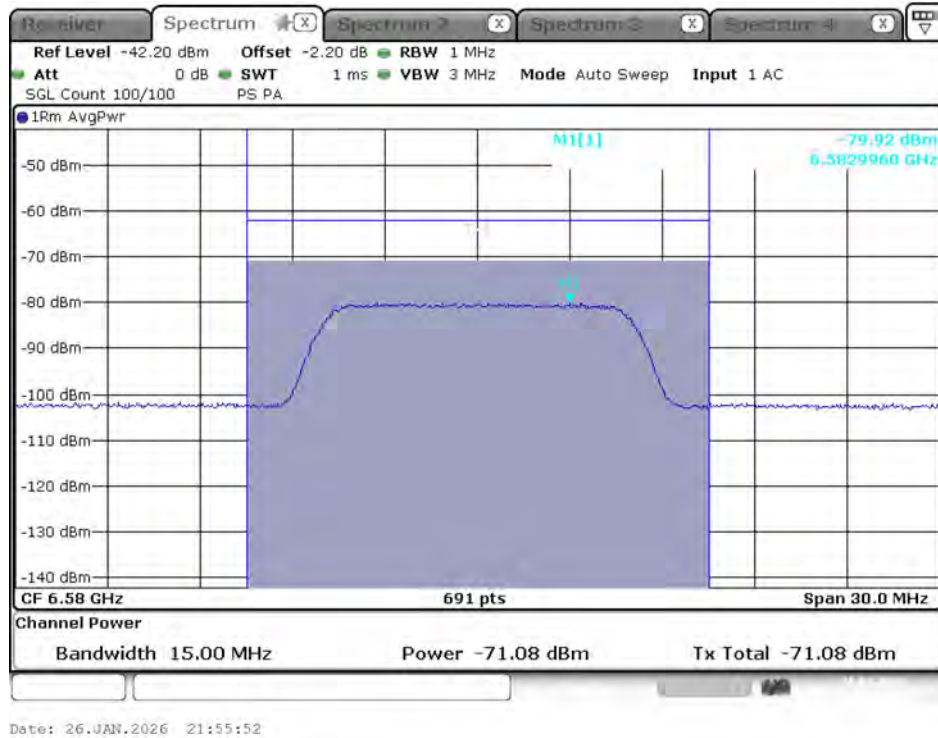


Date: 26.JAN.2026 21:54:34

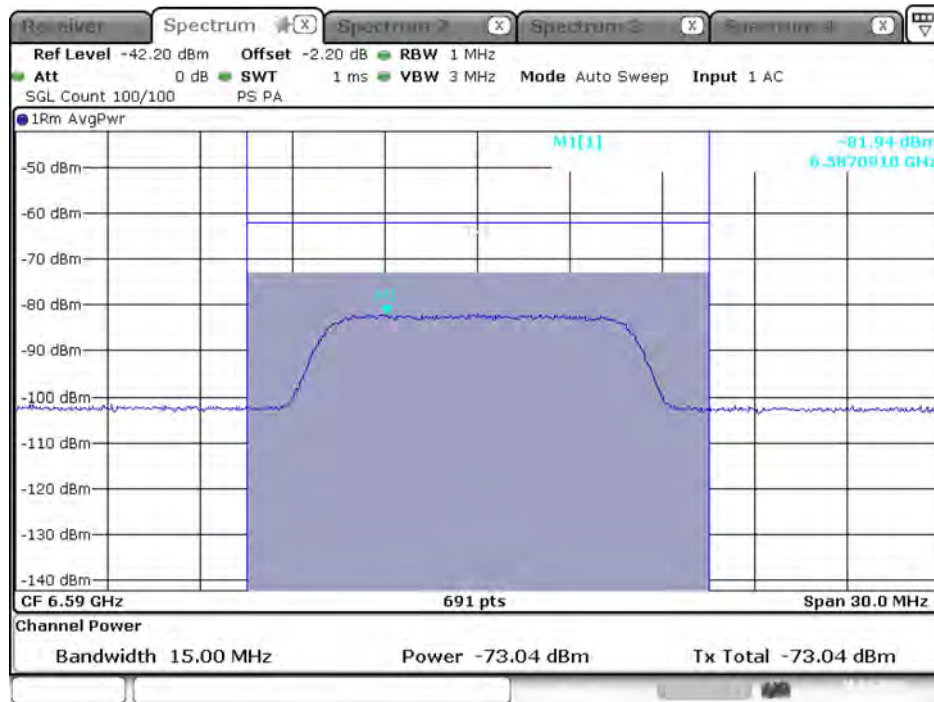
Frequency (MHz): 6425 MHz



Frequency (MHz): 6580 MHz

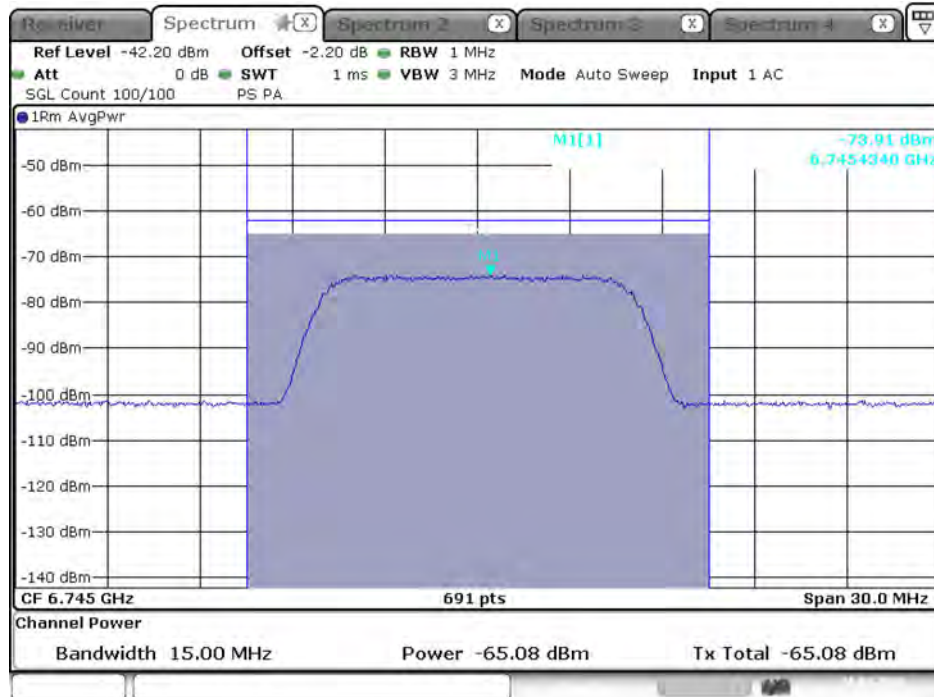


Frequency (MHz): 6590 MHz



Date: 26.JAN.2026 21:56:26

Frequency (MHz): 6745 MHz

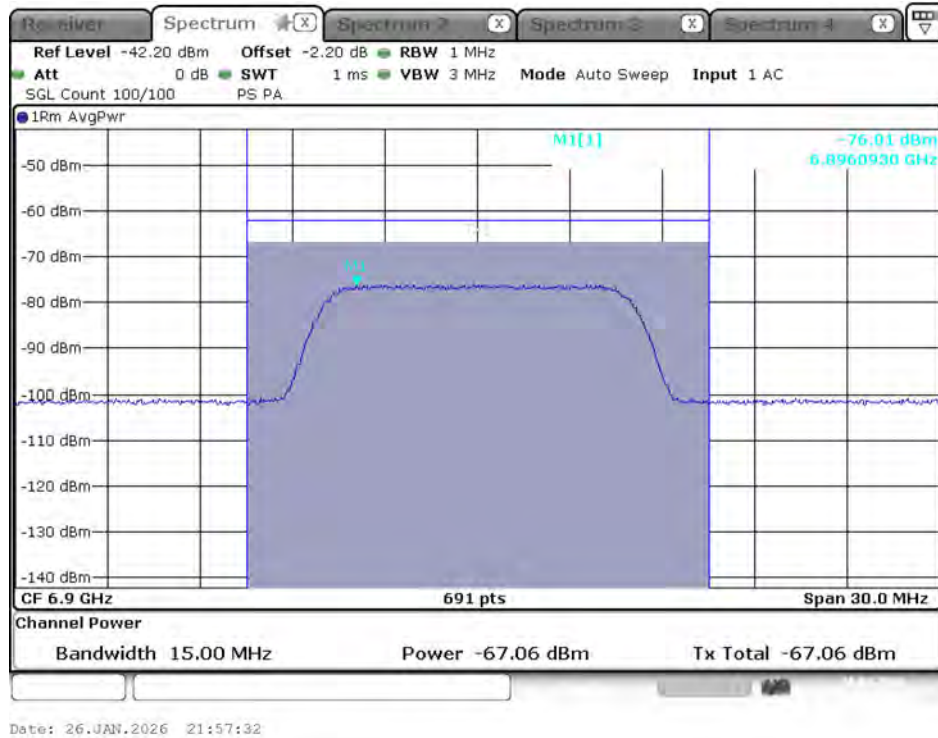


Date: 26.JAN.2026 21:57:02

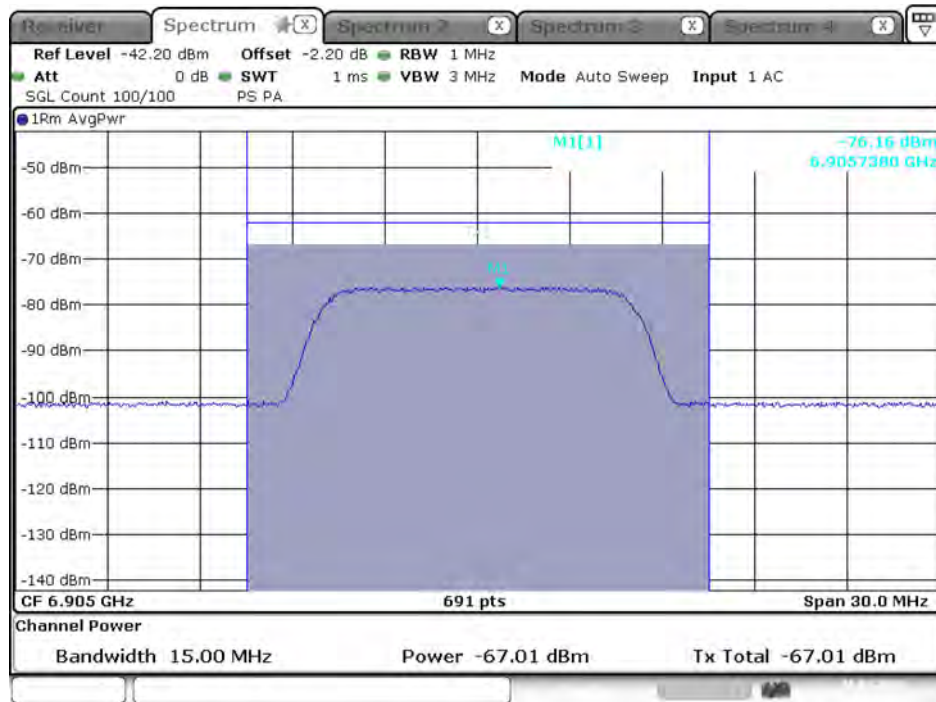
Frequency (MHz): 6750 MHz



Frequency (MHz): 6900 MHz

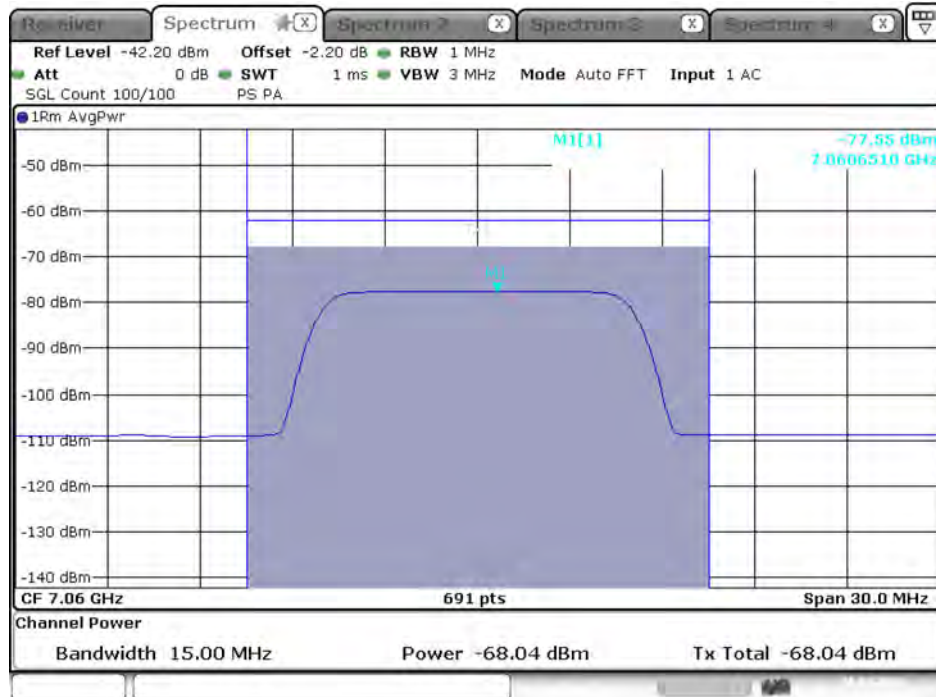


Frequency (MHz): 6905 MHz



Date: 26.JAN.2026 21:58:32

Frequency (MHz): 7060 MHz

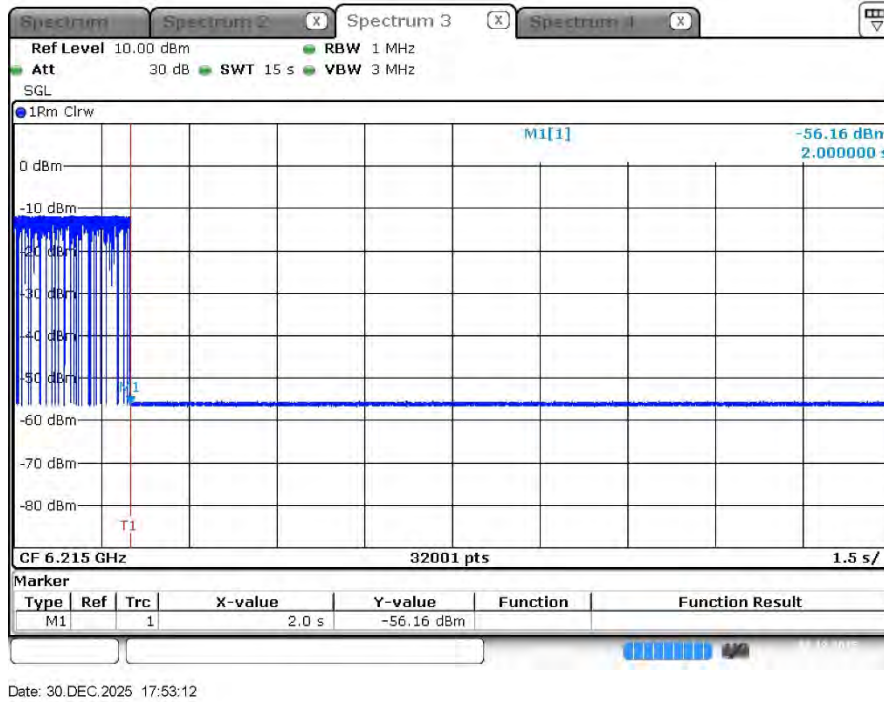


Date: 26.JAN.2026 21:59:12

Contention-Based Protocol Plot

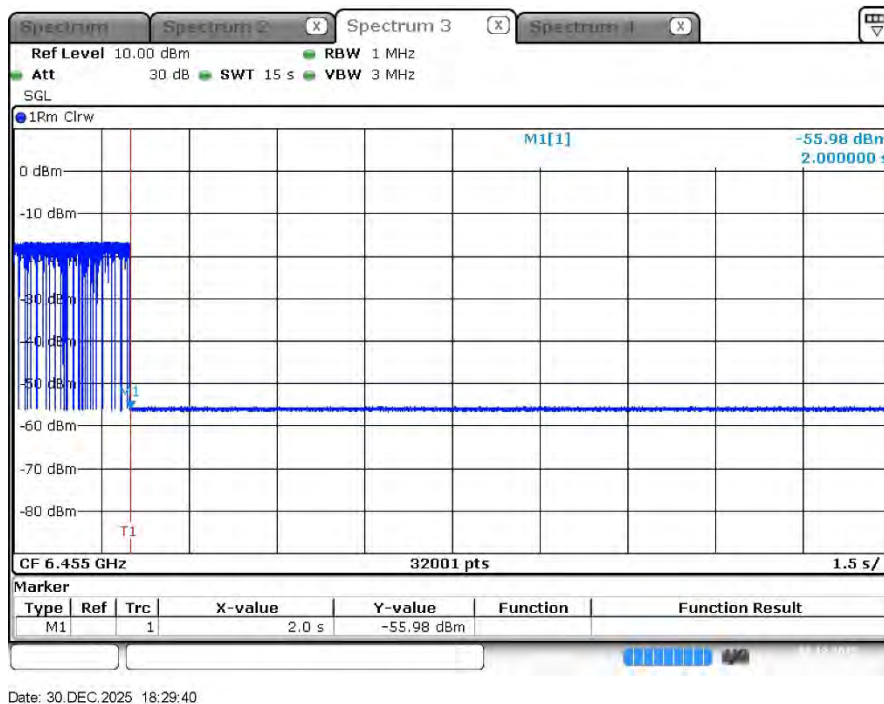
Bandwidth: 20MHz

Test CH 53 ; Incumbent signal 6215 MHz



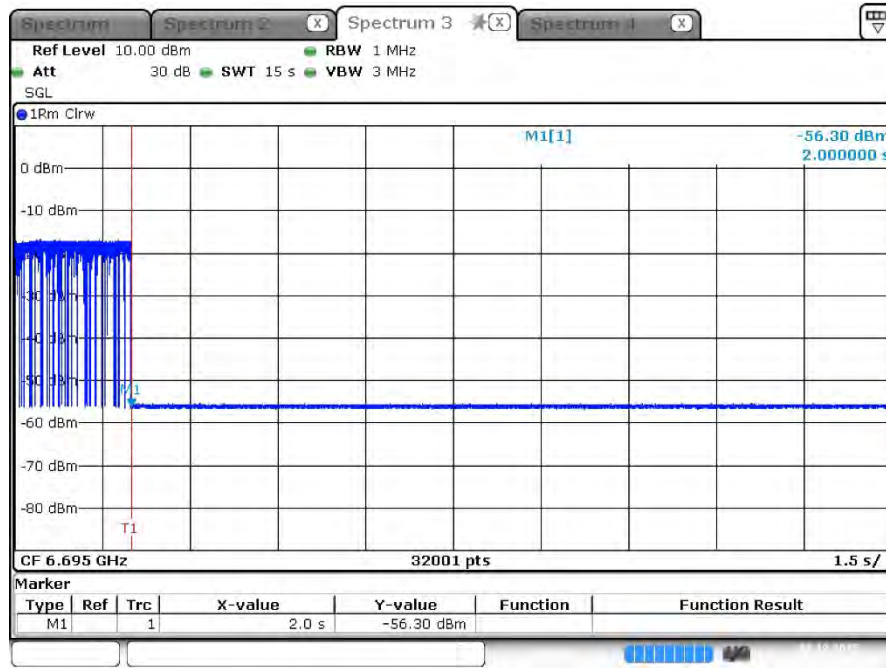
Note : M1 : Inject AWGN signal

Test CH 101 ; Incumbent signal 6455 MHz



Note : M1 : Inject AWGN signal

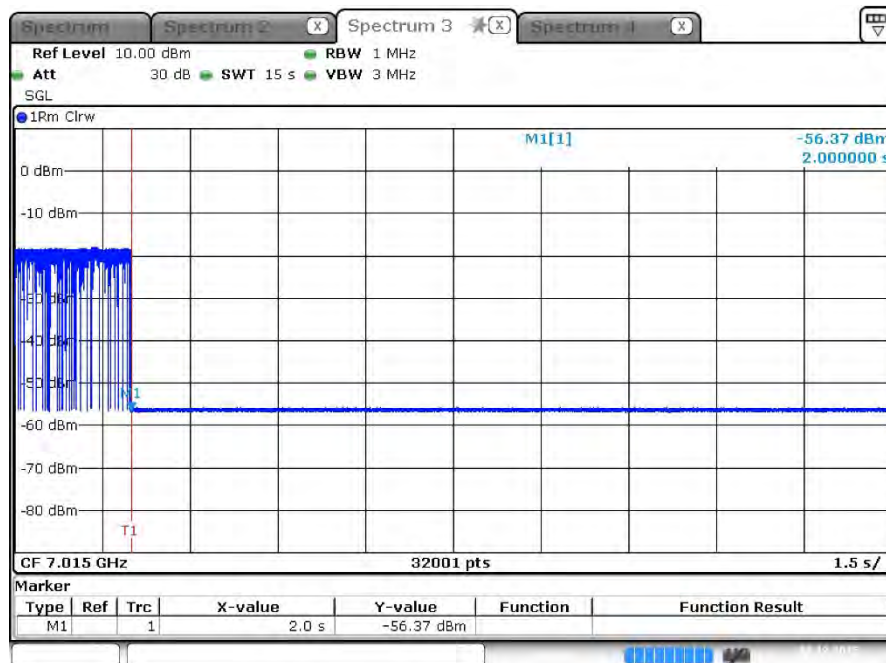
Test CH 149 ; Incumbent signal 6695 MHz



Date: 30.DEC.2025 19:03:23

Note : M1 : Inject AWGN signal

Test CH 213 ; Incumbent signal 7015 MHz

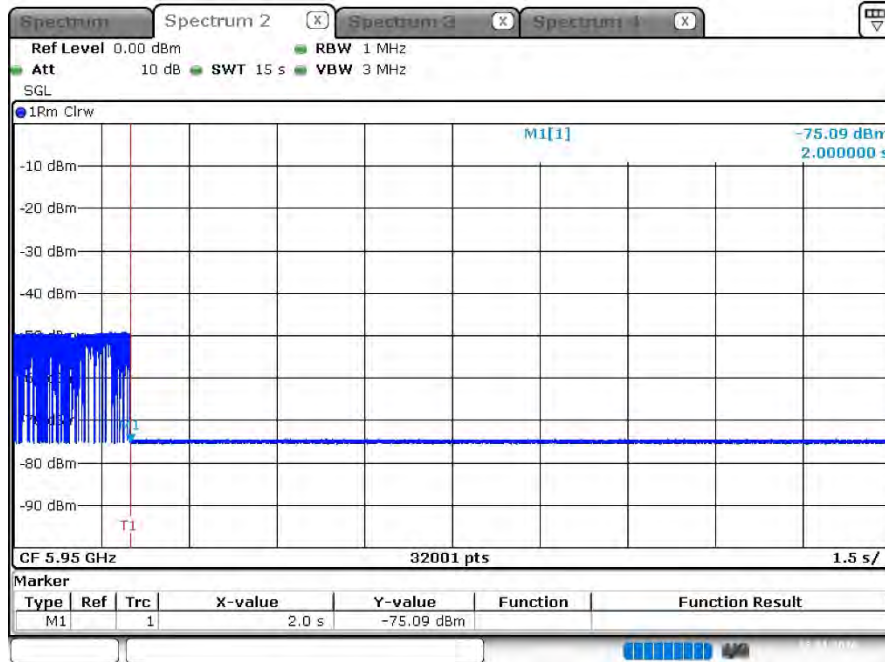


Date: 30.DEC.2025 19:15:15

Note : M1 : Inject AWGN signal

Bandwidth: 320MHz

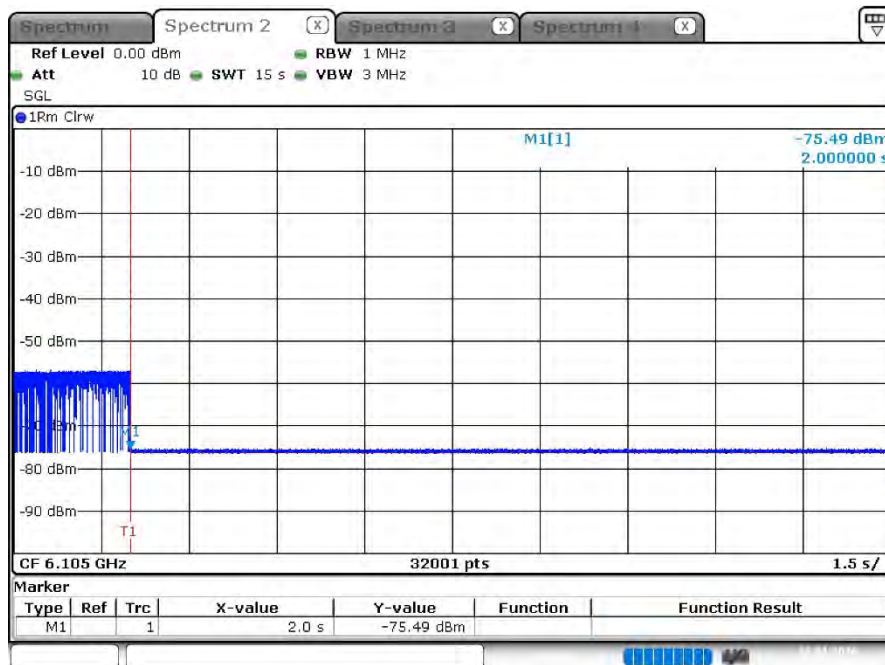
Test CH 31 ; Incumbent signal 5950 MHz



Date: 16.JAN.2026 17:01:09

Note : M1 : Inject AWGN signal

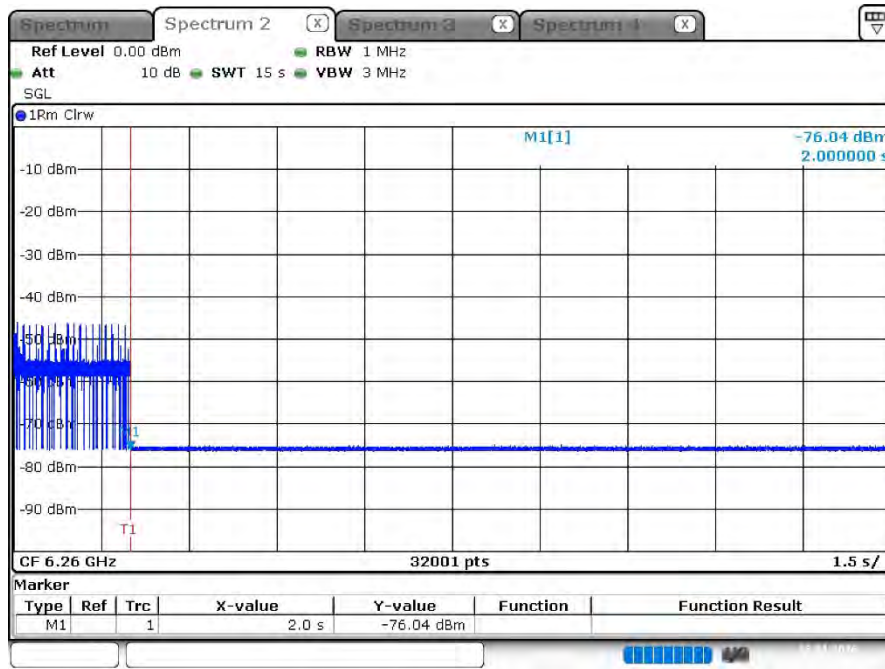
Test CH 31 ; Incumbent signal 6105 MHz



Date: 16.JAN.2026 17:10:40

Note : M1 : Inject AWGN signal

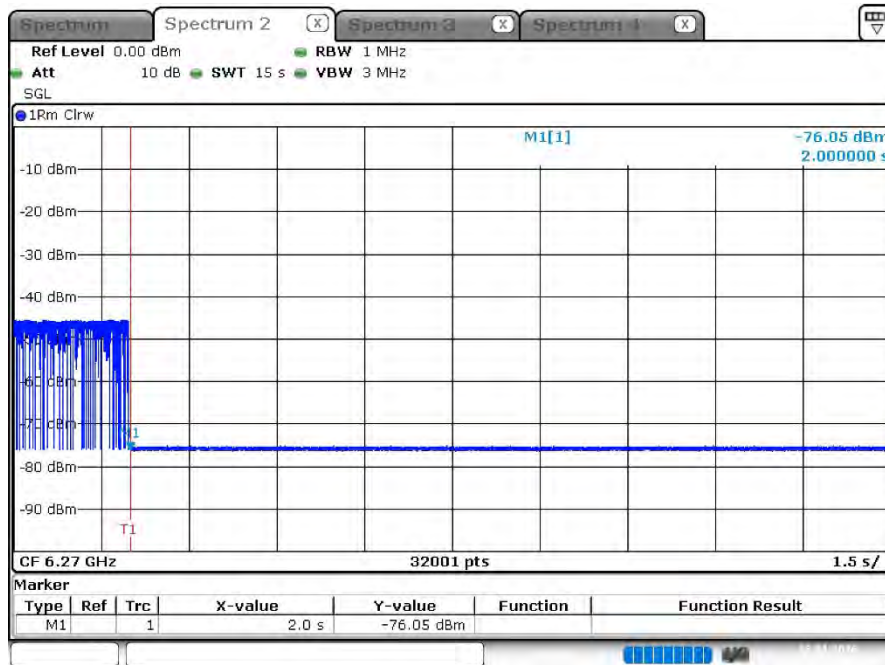
Test CH 31 ; Incumbent signal 6260 MHz



Date: 16.JAN.2026 17:26:03

Note : M1 : Inject AWGN signal

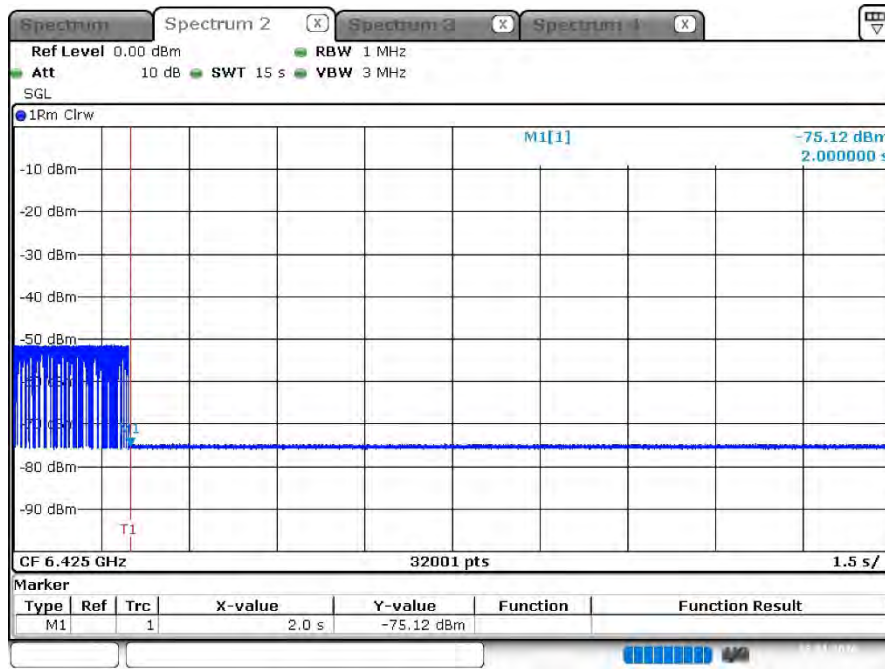
Test CH 95 ; Incumbent signal 6270 MHz



Date: 16.JAN.2026 16:08:03

Note : M1 : Inject AWGN signal

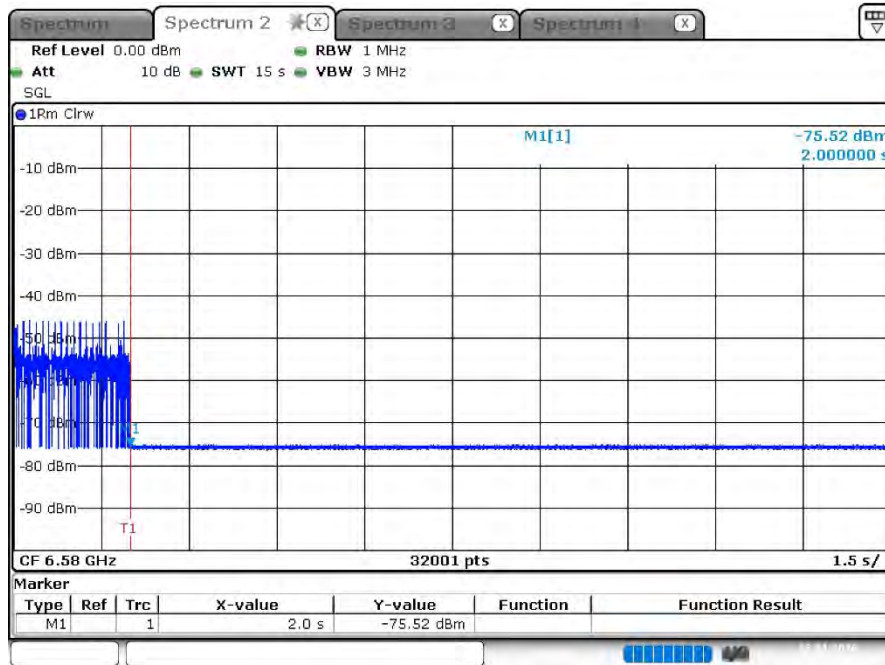
Test CH 95 ; Incumbent signal 6425 MHz



Date: 16.JAN.2026 16:38:08

Note : M1 : Inject AWGN signal

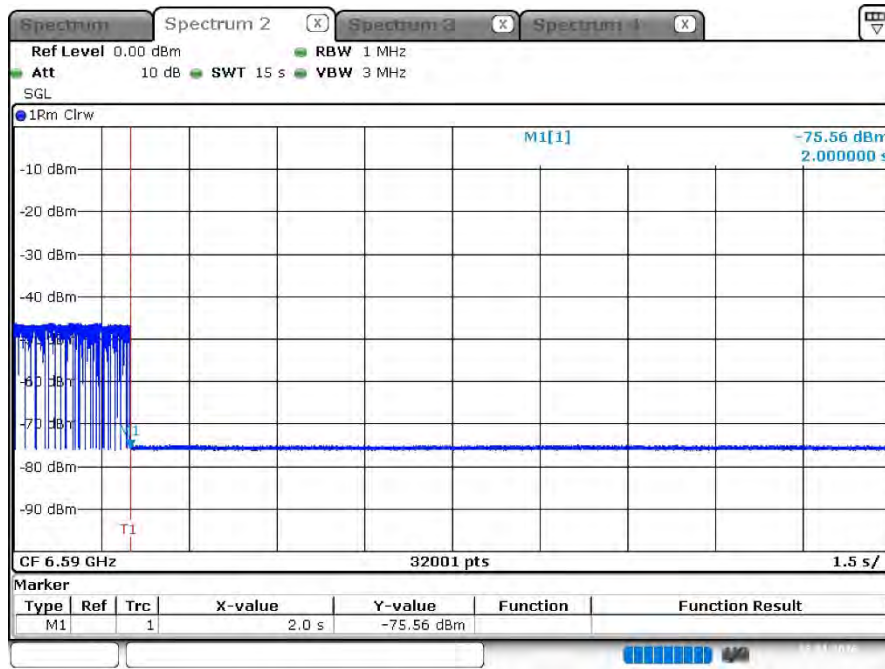
Test CH 95 ; Incumbent signal 6580 MHz



Date: 16.JAN.2026 16:40:07

Note : M1 : Inject AWGN signal

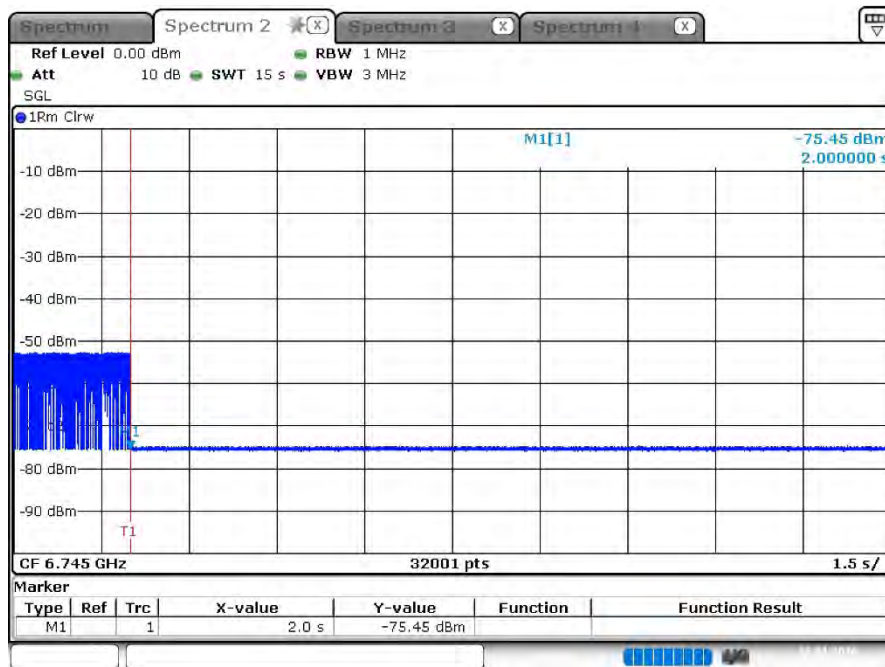
Test CH 159 ; Incumbent signal 6590 MHz



Date: 16.JAN.2026 13:39:53

Note : M1 : Inject AWGN signal

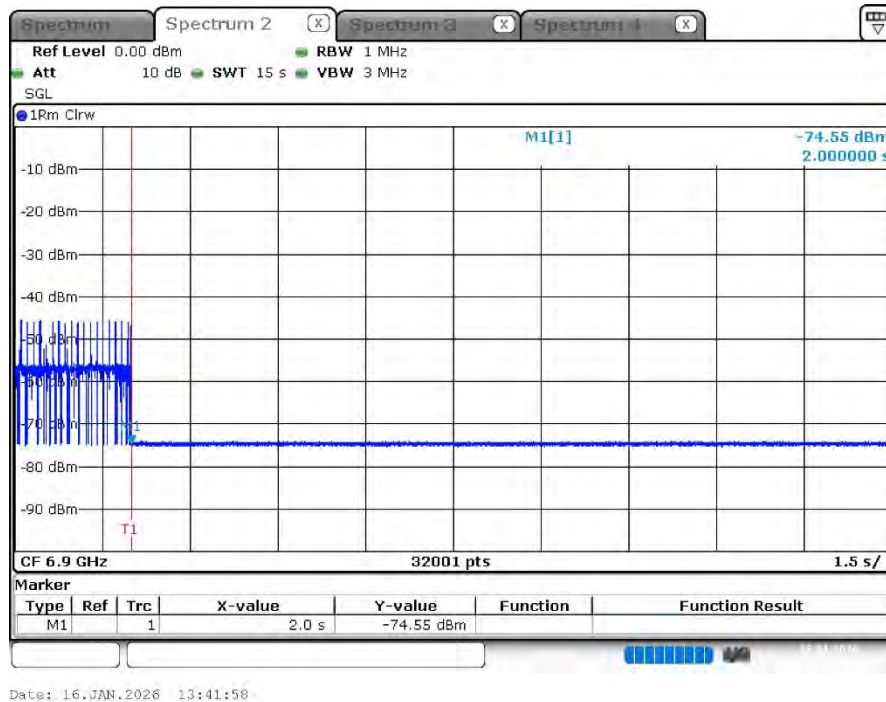
Test CH 159 ; Incumbent signal 6745 MHz



Date: 16.JAN.2026 16:05:36

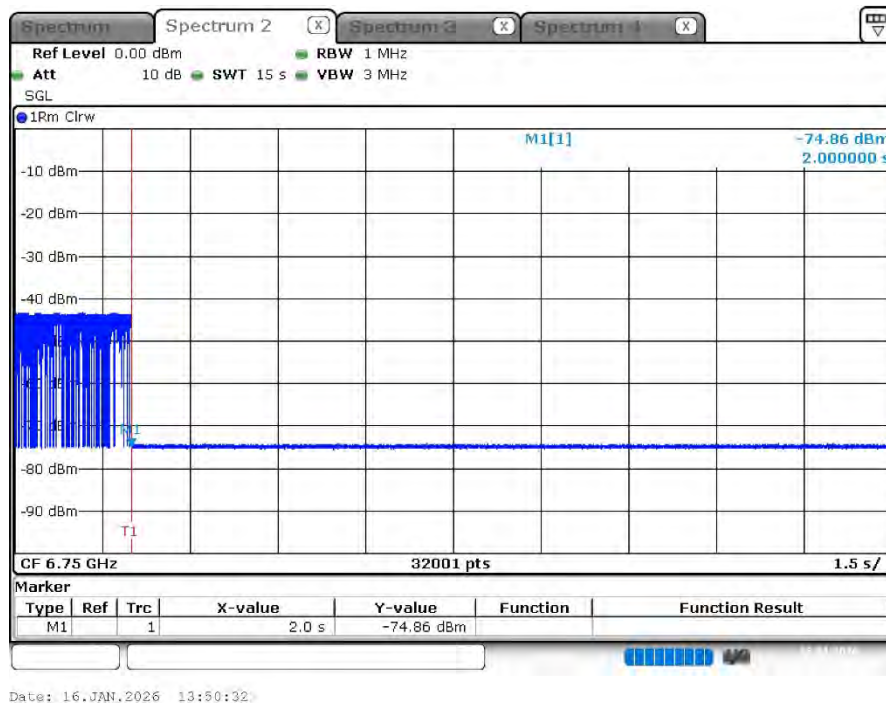
Note : M1 : Inject AWGN signal

Test CH 159 ; Incumbent signal 6900 MHz



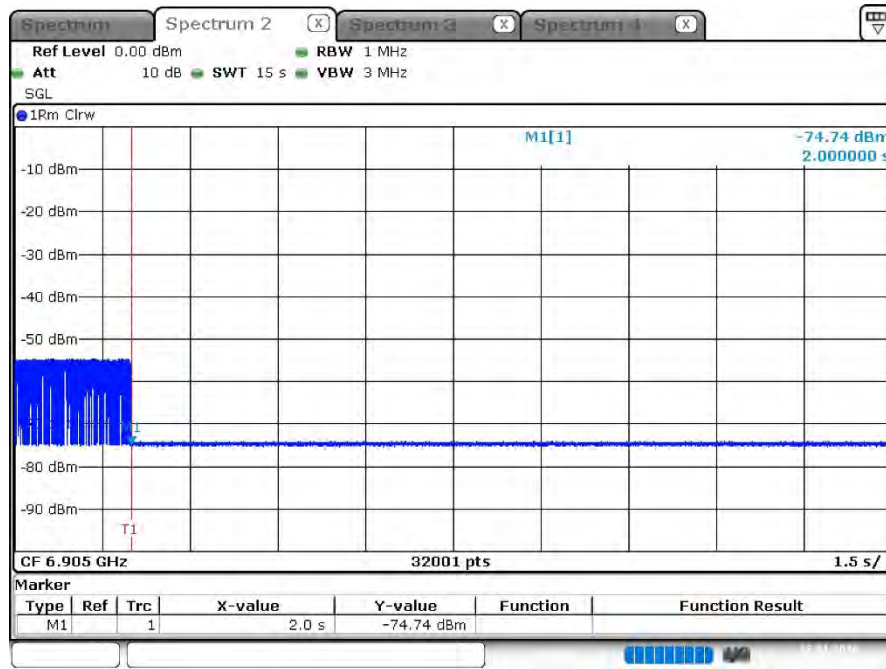
Note : M1 : Inject AWGN signal

Test CH 191 ; Incumbent signal 6750 MHz



Note : M1 : Inject AWGN signal

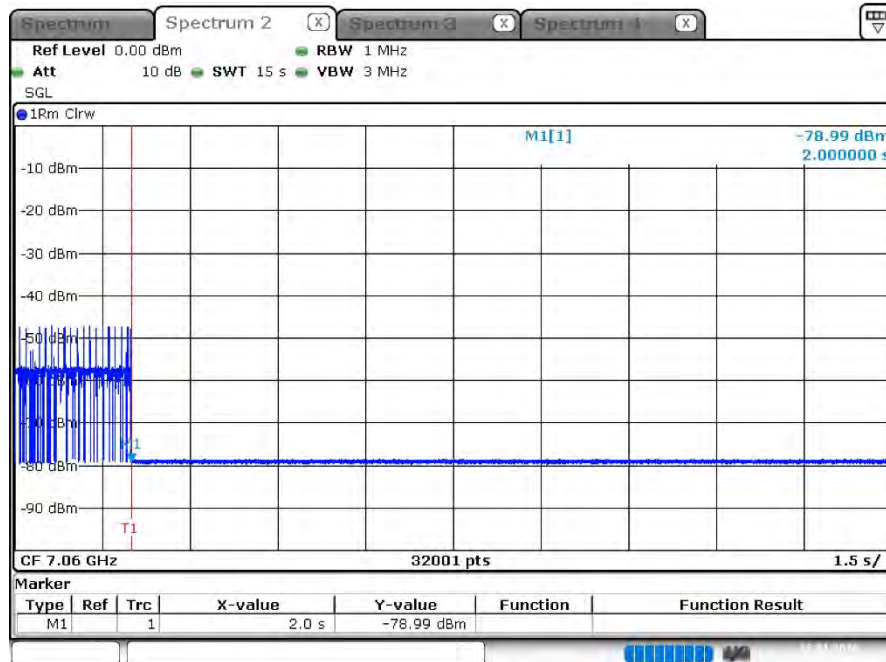
Test CH 191 ; Incumbent signal 6905 MHz



Date: 16.JAN.2026 13:56:29

Note : M1 : Inject AWGN signal

Test CH 191 ; Incumbent signal 7060 MHz



Date: 16.JAN.2026 14:10:14

Note : M1 : Inject AWGN signal