

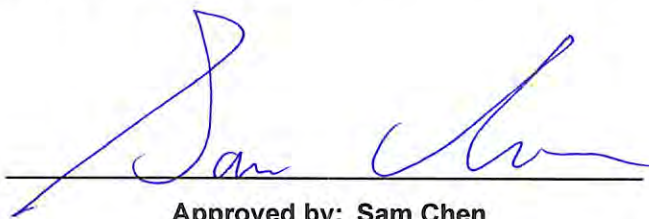


RADIO TEST REPORT

FCC ID : UDX-600201010
Equipment : Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9176D1
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 03, 2025, and testing was started from Mar. 03, 2025 and completed on Mar. 11, 2025. 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

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History of this test report

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

Page Number : 3 of 24
Issued Date : Sep. 16, 2025
Report Version : 01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
3.1	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

For Indoor Access Point:

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20), be (EHT20)	5955-7115	1-233 [59]
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]

For Radio 3

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT20	20	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT20-BF	20	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT40	40	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT40-BF	40	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80-BF	80	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT80	80	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT80-BF	80	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160-BF	160	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT160	160	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT160-BF	160	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT320	320	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT320-BF	320	2, 4TX/4RX

**For Radio 4(Pine Scanning radio)**

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	1TX/2RX

For Subordinate:

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20), be (EHT20)	5955-7115	1-233 [59]
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]

For Radio 3

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT20	20	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT20-BF	20	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT40	40	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT40-BF	40	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80-BF	80	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT80	80	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT80-BF	80	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160-BF	160	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT160	160	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT160-BF	160	2, 4TX/4RX
5.925-7.125GHz	802.11be EHT320	320	1, 2, 4TX/4RX
5.925-7.125GHz	802.11be EHT320-BF	320	2, 4TX/4RX

**For Standard Power Access Point:**

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20), be (EHT20)	5955-6415	1-93 [24]
6525-6875		6535-6855	117-181 [17]
5925-6425	ax (HEW40), be (EHT40)	5965-6405	3-91 [12]
6525-6875		6565-6845	123-179 [8]
5925-6425	ax (HEW80), be (EHT80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160), be (EHT160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

For Radio 3

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
5.925-6.425GHz	802.11be EHT20	20	1, 2, 4TX/4RX
5.925-6.425GHz	802.11be EHT20-BF	20	2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
5.925-6.425GHz	802.11be EHT40	40	1, 2, 4TX/4RX
5.925-6.425GHz	802.11be EHT40-BF	40	2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW80-BF	80	2, 4TX/4RX
5.925-6.425GHz	802.11be EHT80	80	1, 2, 4TX/4RX
5.925-6.425GHz	802.11be EHT80-BF	80	2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
5.925-6.425GHz	802.11ax HEW160-BF	160	2, 4TX/4RX
5.925-6.425GHz	802.11be EHT160	160	1, 2, 4TX/4RX
5.925-6.425GHz	802.11be EHT160-BF	160	2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
6.525-6.875GHz	802.11be EHT20	20	1, 2, 4TX/4RX
6.525-6.875GHz	802.11be EHT20-BF	20	2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
6.525-6.875GHz	802.11be EHT40	40	1, 2, 4TX/4RX



Band	Mode	BWch (MHz)	Nant
6.525-6.875GHz	802.11be EHT40-BF	40	2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW80-BF	80	2, 4TX/4RX
6.525-6.875GHz	802.11be EHT80	80	1, 2, 4TX/4RX
6.525-6.875GHz	802.11be EHT80-BF	80	2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
6.525-6.875GHz	802.11ax HEW160-BF	160	2, 4TX/4RX
6.525-6.875GHz	802.11be EHT160	160	1, 2, 4TX/4RX
6.525-6.875GHz	802.11be EHT160-BF	160	2, 4TX/4RX

For Radio 4(Pine Scanning radio)

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	1TX/2RX
6.525-6.875GHz	802.11ax HEW20	20	1TX/2RX

**MRU (static preamble puncturing)****For Multi-RU:****For Indoor Access Point, Subordinate and Standard Power Access Point**

RU-tone	Bandwidth (MHz)				6GHz Test CH	
					UNII-5	UNII-8
					CH7	CH215
	80					
242+242(MCS0)	242			242	V	V
242+242(MCS4)	242			242	V	V
484+242(MCS0)	484			242	V	V
484+242(MCS4)	484			242	V	V

RU-tone	Bandwidth (MHz)						6GHz Test CH	
							UNII-5	UNII-8
							CH15	CH207
	160							
996+484(MCS0)	484			996			V	V
996+484(MCS4)	484			996			V	V
996+484+3x242(MCS0)	484	242		242		242	V	V
996+484+3x242(MCS4)	484	242		242		242	V	V
484+484(MCS0)	484				484		V	V
484+484(MCS4)	484				484		V	V

For Indoor Access Point and Subordinate only

RU-tone	Bandwidth (MHz)					6GHz Test CH	
						UNII-5	UNII-8
						CH31	CH191
	320						
3X996(MCS0)	996	996		996		V	--
3X996(MCS4)	996	996		996		V	--
2X996+484(MCS0)		484		996	996	--	V
2X996+484(MCS4)		484		996	996	--	V
2X996+484(MCS0)	996	996		484		V	V
2X996+484(MCS4)	996	996		484		V	V
2X996(MCS0)	996				996	V	V
2X996(MCS4)	996				996	V	V

For Puncturing:
For Indoor Access Point, Subordinate and Standard Power Access Point

RU-tone	Configuration	Bandwidth (MHz)				6GHz Test CH	
						UNII-5	UNII-8
		80				CH7	CH215
484+242	1		242	484		--	V
	2	242		484		V	V
	3	484			242	V	V
	4	484		242		V	--

RU-tone	Configuration	Bandwidth (MHz)				6GHz Test CH	
						UNII-5	UNII-8
		160				CH15	CH207
996+484	1		484	996		--	V
	2	484		996		V	V
	3	996			484	V	V
	4	996		484		V	--
996+484+242	1		242	484	996	--	V
	2	242		484	996	V	V
	3	484		242	996	V	V
	4	484	242		996	V	V
	5	996		242	484	V	V
	6	996	242		484	V	V
	7	996		484		242	V
	8	996		484	242	V	--

For Indoor Access Point and Subordinate only

RU-tone	Configuration	Bandwidth (MHz)				6GHz Test CH	
						UNII-5	UNII-8
		320				CH31	CH191
2×996+484	1		484	996	996		--
	2	484		996	996	V	--
	3	996		484	996	V	--
	4	996	484		996	V	--
	5	996	996		484	V	--
	6	996	996	484		V	--
	7		484	996	996	--	V
	8		484	996	996	--	V
	9		996		484	996	--
	10		996	484	996	--	V
	11		996	996		484	--
	12		996	996	484	--	--
3×996	1		996	996	996	--	V
	2	996		996	996	V	V
	3	996	996		996	V	V
	4	996	996	996		V	--
3×996+484	1		484	996	996	--	V
	2	484		996	996	V	V
	3	996		484	996	V	V
	4	996	484		996	V	V
	5	996	996		484	V	V
	6	996	996	484		V	V
	7	996	996	996		484	V
	8	996	996	996	484	V	--

Note:

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

**1.1.2 Worst case of MRU (static preamble puncturing) evaluation procedure****For Radio 3 6GHz Radiated EIRP/PSD**

1. Complete test Full RU BE & PSD
2. Measure the PSD of each MRU(static preamble puncturing) by conducted method and it is less than the Full RU conducted PSD.
3. Measure the Band edge emission of each MRU(static preamble puncturing) by conducted method and find out the MRU(static preamble puncturing) worst case configuration.
4. Follow step 3 to find the worst MRU(static preamble puncturing) configuration and perform radiated PSD testing.
5. Follow step 3 to find the worst MRU(static preamble puncturing) configuration and perform radiated unwanted emission testing.
6. Confirm whether the worst MRU(static preamble puncturing) configuration setting in steps 2 and step 4 is the same. If there is a channel where the setting drops due to the test in step 4, the PSD of MRU(static preamble puncturing) needs to be retested.
7. Use worst configuration of MRU(static preamble puncturing) and perform MASK measurements by conducted method .

For Radio 4(Pine Scanning radio) 6GHz Conducted EIRP/PSD

1. Complete test Full RU BE & PSD
2. Measure the PSD of each MRU(static preamble puncturing) by conducted method and it is less than the Full RU conducted PSD.
3. Measure the Band edge emission of each MRU(static preamble puncturing) by conducted method and find out the MRU(static preamble puncturing) worst case configuration.
4. Follow step 3 to find the worst MRU(static preamble puncturing) configuration and perform radiated PSD testing.
5. Confirm whether the worst MRU(static preamble puncturing) configuration setting in steps 2 & 4 is the same. If there is a channel where the setting drops due to the test in step 4, the MRU(static preamble puncturing) conducted PSD needs to be retested.
6. Use worst configuration of MRU(static preamble puncturing) and perform MASK measurements by conducted method .

**1.1.3 Antenna Information**

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	4	WNC	95XPAD15.G20	Dipole	I-PEX	Note 1	2.4GHz, 5GHz UNII 1~2A (Radio 1)
2	3	WNC	95XPAD15.G21	Dipole	I-PEX		
3	1	WNC	95XPAD15.G22	Dipole	I-PEX		
4	2	WNC	95XPAD15.G23	Dipole	I-PEX		
5	1	WNC	95XPAD15.G24	Dipole	I-PEX		5GHz UNII 1~3 or UNII 2C~3 only (Radio 2)
6	2	WNC	95XPAD15.G24	Dipole	I-PEX		
7	3	WNC	95XPAD15.G26	Dipole	I-PEX		
8	4	WNC	95XPAD15.G26	Dipole	I-PEX		
9	1	WNC	95XPAD15.G28	Dipole	I-PEX		6GHz UNII 5~8 (Radio 3)
10	3	WNC	95XPAD15.G30	Dipole	I-PEX		
11	4	WNC	95XPAD15.G31	Dipole	I-PEX		
12	2	WNC	95XPAD15.G29	Dipole	I-PEX		2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))
13	1	WNC	95XPAD15.G34	Dipole	I-PEX		
14	2	WNC	95XPAD15.G35	Dipole	I-PEX		
15	1	WNC	95XPAD15.G32	loop	I-PEX	1.16GHz~1.19GHz: 2.05 1.56GHz~1.59GHz: 1.92	Bluetooth and Zigbee (Radio 5)
16	1	WNC	95XPAD15.G33	PIFA	I-PEX		GPS (Radio 6)
17	1	WNC	95XPAD15.G37	Patch	I-PEX	6.5	UWB (Radio 7)
18	2	WNC			I-PEX	7.0	



Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1)		WLAN 5GHz UNII 1~2A (Radio 1)						
			5.2GHz			5.3GHz			
1	6.7		4.23			4.64			
2	6.96		5.45			5.05			
3	6.72		6.52			5.7			
4	6.96		4.06			4.21			
Ant.	WLAN 5GHz UNII 1~3 (Radio 2)								
	5.2GHz		5.3GHz		5.6GHz		5.785GHz		
	6.21		5.73		7.11		6.39		
6	4.56		4.46		5.7		6.19		
7	5.8		5.89		7.2		6.62		
8	3.9		4.02		5.38		5.11		
Ant.	WLAN 6GHz UNII 5~8 (Radio 3)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
	5.86		7.14		6.85		6.41		
10	5.4		6.24		5.99		5.87		
11	5.64		6.22		5.45		6.4		
12	5.54		6.43		5.64		6.44		
Ant.	WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	13	8.02	3.93	4.57	5.47	5.9	7.71	7.64	6.98
14	8.15	4.82	4.94	4.26	5.26	6.47	7.73	6.59	6.5
Ant.	Bluetooth/Zigbee (Radio 5)								
	6.92								

Note 2:

Item	Directional Gain (dBi)							
	WLAN 2.4GHz (Radio 1)		WLAN 5GHz UNII 1~2A (Radio 1)					
			5.2GHz			5.3GHz		
2T1S	8.53		6.52			5.7		
2T2S	6.96		6.52			5.7		
4T1S	10.12		8.28			8.25		
4T2S	7.12		6.52			5.7		
4T4S	6.96		6.52			5.7		
Item	WLAN 5GHz UNII 1~3 (Radio 2) / WLAN 6GHz UNII 5~8 (Radio 3)							
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
2T1S	6.68	6.22	7.11	6.88	6.49	7.14	6.85	6.66
2T2S	6.21	5.73	7.11	6.39	5.86	7.14	6.85	6.44
4T1S	8.67	8.73	9.22	9.47	8.32	9.43	8.69	8.92
4T2S	6.21	5.89	7.2	6.62	5.86	7.14	6.85	6.44
4T4S	6.21	5.89	7.2	6.62	5.86	7.14	6.85	6.44

Note 3: The above information (excepting Ant. 1~15 antenna gain and directional gain) was declared by manufacturer.

Note 4: Radio 1~3: Maximum Directional Gain following KDB662911 D03.

For Radio 1

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX) and
For 5GHz (UNII 1~2A) IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):**

1TX

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

4TX

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

4RX



Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Radio 2**For 5GHz (UNII 1~3 or UNII 2C~3):****For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

4TX

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Radio 3**For 6GHz (UNII 5~8):****For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

4TX

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Radio 4(Pine Scanning radio)**For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 5GHz (UNII 1~3):**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 6GHz (UNII 5~8):**For IEEE 802.11ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For Radio 5:**For Bluetooth/Zigbee mode (1TX/1RX)**

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

For Radio 6:**For GPS (1TX/1RX)**

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

For Radio 7:**For UWB (1TX/2RX)**

Only Port 1 can be used as transmitting functions.

Port 1~2 can be used as receiving antennas.

Port 1~2 could receive simultaneously.



1.1.4 EUT Operational Condition

EUT Power Type	From PoE	
Beamforming Function	☒ With beamforming	☐ Without beamforming
	The product has beamforming function for 802.11n/VHT/ax/be WLAN 2.4GHz(Radio 1), 802.11n/11ac/11ax/11be WLAN 5GHz (Radio1 and Radio 2) and 802.11ax/11be WLAN 6GHz(Radio 3).	
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 (For Radio 3)	
	☐ Supported Dynamic Puncturing	
	☒ Unsupported (For Radio 4(Pine Scanning radio))	
	Note: The EUT doesn't support puncturing for CBP.	
Support RU	☒ Full RU (For Radio 3, 4)	☒ Partial RU (For Radio 3)
Software / Firmware Version for CBP	For Meraki SW: T-202411192154-G139dddef5fa9-L79622b7b887e-jtrauger-wing	

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz		BT	Zigbee	GPS	UWB
			Indoor Access Point & Standard Power Access Point	Subordinate				
1	✓	✓ (UNII 1~2A)	-	-	-	-	-	-
2	-	✓ (UNII 2C~3 / 1~3)	-	-	-	-	-	-
3	-	-	✓	✓ (Meraki SW)	-	-	-	-
4 (Pine Scanning radio)	✓	✓ (UNII 1~3)	✓	-	-	-	-	-
5	-	-	-	-	✓	✓	-	-
6	-	-	-	-	-	-	✓	-
7	-	-	-	-	-	-	-	✓

Note 1: The above information was declared by manufacturer.

Note 2: For WLAN 2.4GHz: The Radio 1 and Radio 4(Pine Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 1, 2 and Radio 4(Pine Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 3 and Radio 4(Pine Scanning radio) can't operate at the same frequency simultaneously.

**1.1.6 Table for Multiple Listing**

Equipment Name	Model Name	SW	6GHz Mode	Frequencies supported by 320MHz
Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point	CW9176D1	Cisco	Indoor Access Point & Standard Power Access Point	6105, 6265, 6425, 6745 MHz
		Meraki	Indoor Access Point & Standard Power Access Point & Subordinate	6105, 6265, 6425, 6585, 6745, 6905 MHz

Note 1: The Standard Power Access Point mode does not support bandwidth 320 MHz.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for EUT Support Function

Function	Supports Band
AP Router	2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8, Bluetooth, Zigbee, UWB and GPS
Mesh	6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.1.8 Table for EUT Operation Function

Mode	Operation Function
1	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
2	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
3	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
4	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
5	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
6	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
7	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
8	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
9	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
10	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
11	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
12	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
13	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
14	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
15	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
16	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
17	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
18	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
19	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
20	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
21	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
22	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
23	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
24	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

Note: The above information was declared by manufacturer.



1.1.9 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR430535AJ.

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

Modifications	Performance Checking
1. Adding the Subordinate mode for Radio 3 for Meraki SW through FW change.	Contention-Based Protocol
2. Update the reference standard to "ANSI C63.10-2020" from "ANSI C63.10-2013".	After evaluation, it does not need to re-test.



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 D03 v01

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 ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (Contention-Based Protocol test)	DF02-CB	Simmon Cheng	23.4~25.1 / 58~62	Mar. 03, 2025~ Mar. 11, 2025

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
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	Contention Based Protocol	
Test Condition	Conducted measurement at transmit chains	
Test Mode	1	Radio 3 for Meraki SW

The Worst Case Mode for Following Conformance Tests		
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation	
Operating Mode		
1	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB	
2	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB	
3	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB	
4	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB	
5	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB	
6	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB	
7	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB	
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14	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
15	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
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24	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
Refer to Sporton Test Report No.: FA430535-16AB for Co-location RF Exposure Evaluation.	

Note: The PoE is for measurement only and would not be marketed. Its information is listed below:

Power	Brand	Model
PoE	DELTA	ADH-65AR P

2.2 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.3 Accessories

Bracket*1

2.4 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	Lenovo	L490	N/A
B	Notebook	DELL	E6230	N/A
C	GATEWAY	CISCO	CW9178I	N/A
D	WLAN AP	CISCO	CW9178I	N/A
E	PoE	DELTA	ADH-65AR P	N/A

3 Transmitter Test Result

3.1 Contention Based Protocol

3.1.1 Contention Based Protocol Limit

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

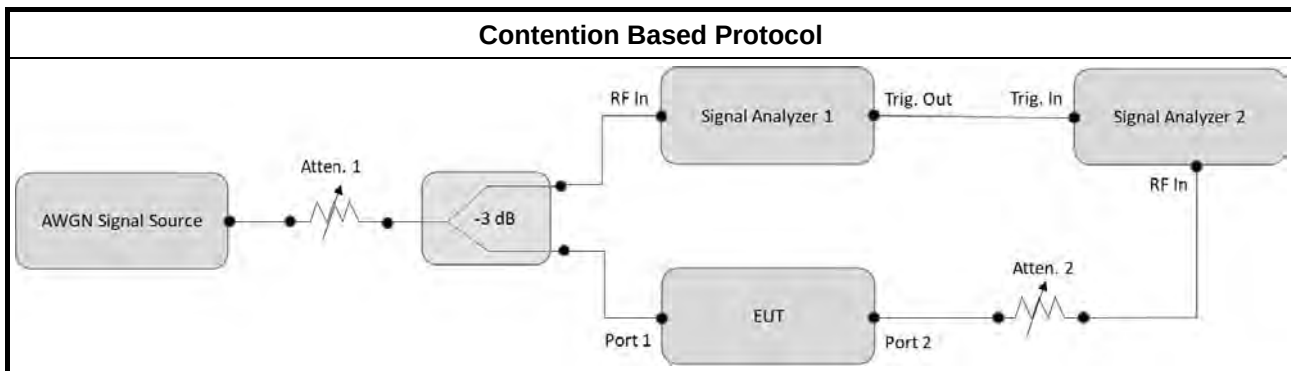
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Contention Based Protocol

Refer as Appendix A



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Nov. 08, 2024	Nov. 07, 2025	Conduction (DF02-CB)
Signal generator	R&S	SMB100A	181239	1MHz-40GHz	Jan. 08, 2025	Jan. 07, 2026	Conduction (DF02-CB)
Vector Signal Generator	R&S	SMM100A	101894	100kHz ~ 7.5GHz	Oct. 28, 2024	Oct. 27, 2025	Conduction (DF02-CB)
RF Power Divider	Woken	4 Way	DF02-DV02	1 ~ 6GHz	Oct. 02, 2024	Oct. 01, 2025	Conduction (DF02-CB)
RF Power Divider	Woken	4 Way	DF02-DV04	1 ~ 6GHz	Oct. 02, 2024	Oct. 01, 2025	Conduction (DF02-CB)
RF Power Divider	Woken	4 Way	DF02-DV05	1 ~ 6GHz	Oct. 02, 2024	Oct. 01, 2025	Conduction (DF02-CB)
RF Cable-high	Woken	RG402	Cable-60	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conduction (DF02-CB)
RF Cable-high	Woken	RG402	Cable-61	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conduction (DF02-CB)
RF Cable-high	Woken	RG402	Cable-63	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conduction (DF02-CB)
100MS/s Digitizer	N.I	USB-5133	F65206	N/A	Mar. 20, 2024	Mar. 19, 2025	Conduction (DF02-CB)

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

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	-69.60	5.40	-75.00	≤ -62
						Minimal	-70.60	5.40	-76.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
6	101	20	6455	Center	6455	OFF	-68.60	5.40	-74.00	≤ -62
						Minimal	-69.60	5.40	-75.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
7	149	20	6695	Center	6695	OFF	-70.60	5.40	-76.00	≤ -62
						Minimal	-71.60	5.40	-77.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
8	213	20	7015	Center	7015	OFF	-71.60	5.40	-77.00	≤ -62
						Minimal	-72.60	5.40	-78.00	≤ -62
						ON	-76.60	5.40	-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	-66.60	5.40	-72.00	≤ -62
						Minimal	-67.60	5.40	-73.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				Center	6105	OFF	-63.60	5.40	-69.00	≤ -62
						Minimal	-64.60	5.40	-70.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				High edge	6260	OFF	-65.60	5.40	-71.00	≤ -62
						Minimal	-66.60	5.40	-72.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
6/7	127	320	6585	Low edge	6430	OFF	-65.60	5.40	-71.00	≤ -62
						Minimal	-66.60	5.40	-72.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				Center	6585	OFF	-62.60	5.40	-68.00	≤ -62
						Minimal	-63.60	5.40	-69.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				High edge	6740	OFF	-64.60	5.40	-70.00	≤ -62
						Minimal	-65.60	5.40	-71.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
7/8	159	320	6745	Low edge	6590	OFF	-66.60	5.40	-72.00	≤ -62
						Minimal	-67.60	5.40	-73.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				Center	6745	OFF	-63.60	5.40	-69.00	≤ -62
						Minimal	-64.60	5.40	-70.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				High edge	6900	OFF	-64.60	5.40	-70.00	≤ -62
						Minimal	-65.60	5.40	-71.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
7/8	191	320	6905	Low edge	6750	OFF	-62.60	5.40	-68.00	≤ -62
						Minimal	-63.60	5.40	-69.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				Center	6905	OFF	-63.60	5.40	-69.00	≤ -62
						Minimal	-64.60	5.40	-70.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62
				High edge	7060	OFF	-62.60	5.40	-68.00	≤ -62
						Minimal	-63.60	5.40	-69.00	≤ -62
						ON	-76.60	5.40	-82.00	≤ -62

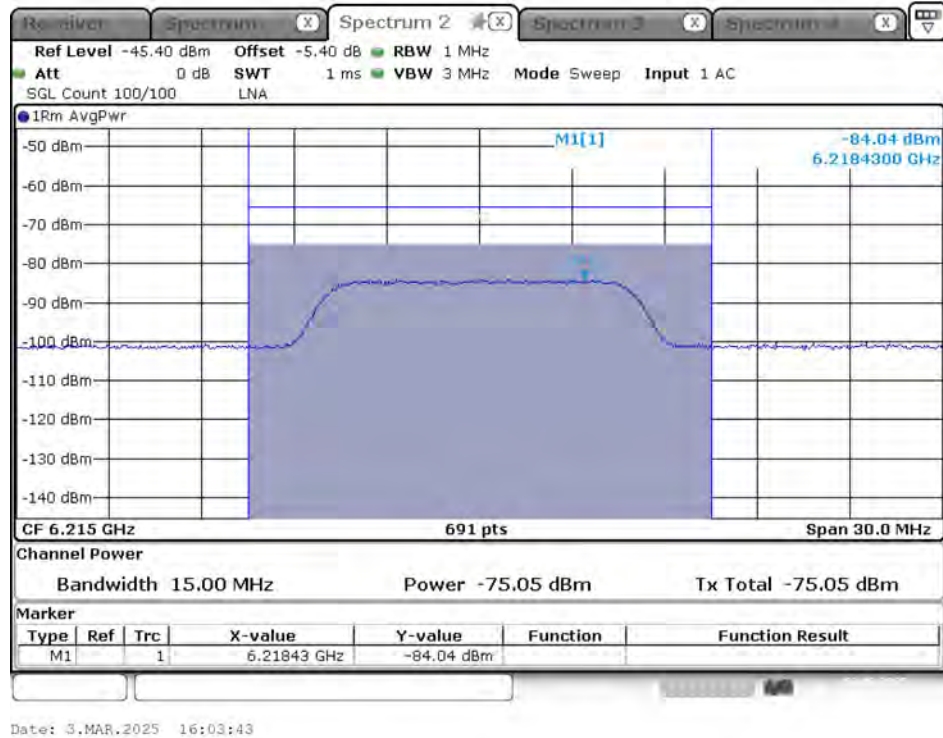
Contention Based protocol 802.11be EHT20											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-75.00	OFF	10	100	90	PASS
6	101	20	6455	Center	6455	-74.00	OFF	10	100	90	PASS
7	149	20	6695	Center	6695	-76.00	OFF	10	100	90	PASS
8	213	20	7015	Center	7015	-77.00	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	-72.00	OFF	10	100	90	PASS
				Center	6105	-69.00	OFF	10	100	90	PASS
				High edge	6260	-71.00	OFF	9	90	90	PASS
6/7	127	320	6585	Low edge	6430	-71.00	OFF	9	90	90	PASS
				Center	6585	-68.00	OFF	10	100	90	PASS
				High edge	6740	-70.00	OFF	10	100	90	PASS
7/8	159	320	6745	Low edge	6590	-72.00	OFF	10	100	90	PASS
				Center	6745	-69.00	OFF	9	90	90	PASS
				High edge	6900	-70.00	OFF	9	90	90	PASS
7/8	191	320	6905	Low edge	6750	-68.00	OFF	9	90	90	PASS
				Center	6905	-69.00	OFF	10	100	90	PASS
				High edge	7060	-68.00	OFF	9	90	90	PASS

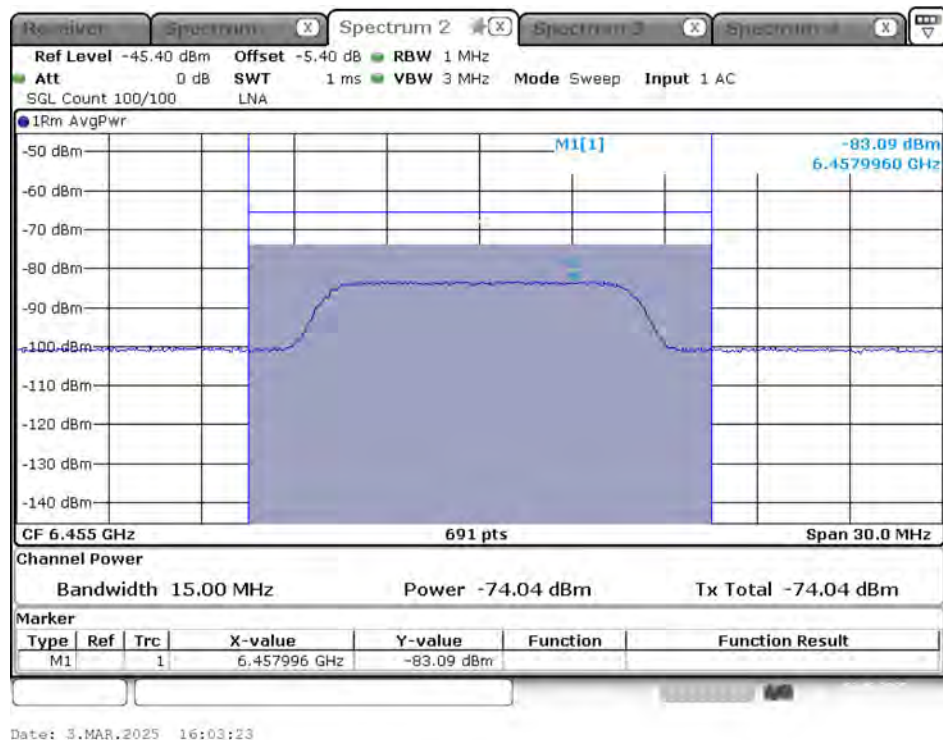
Incumbent signal (AWGN) Plot

Bandwidth: 20MHz

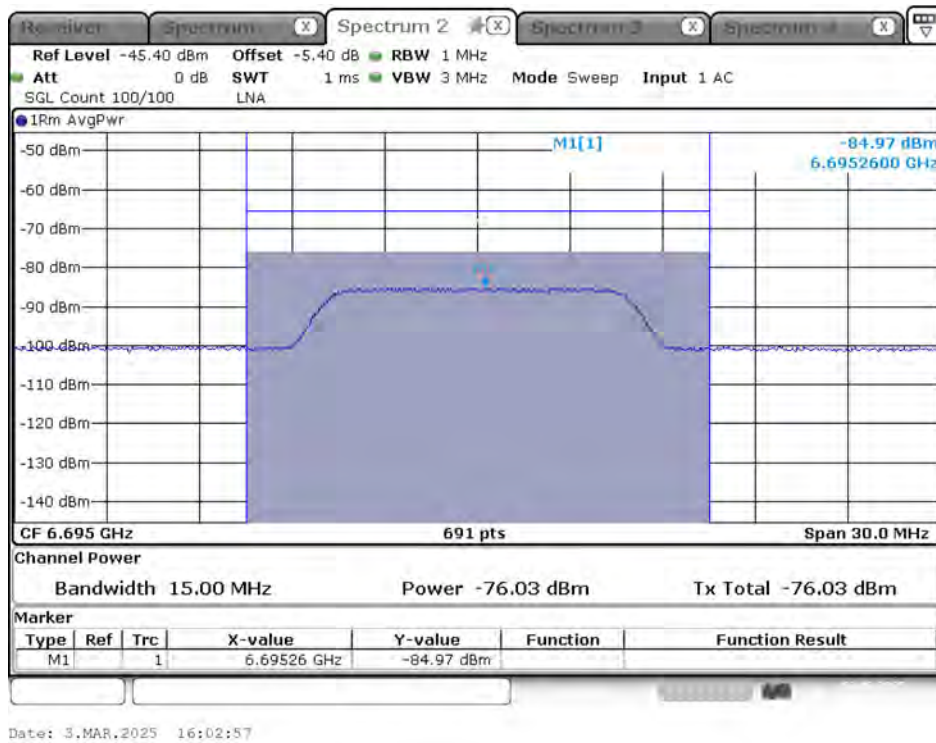
Frequency (MHz): 6215 MHz



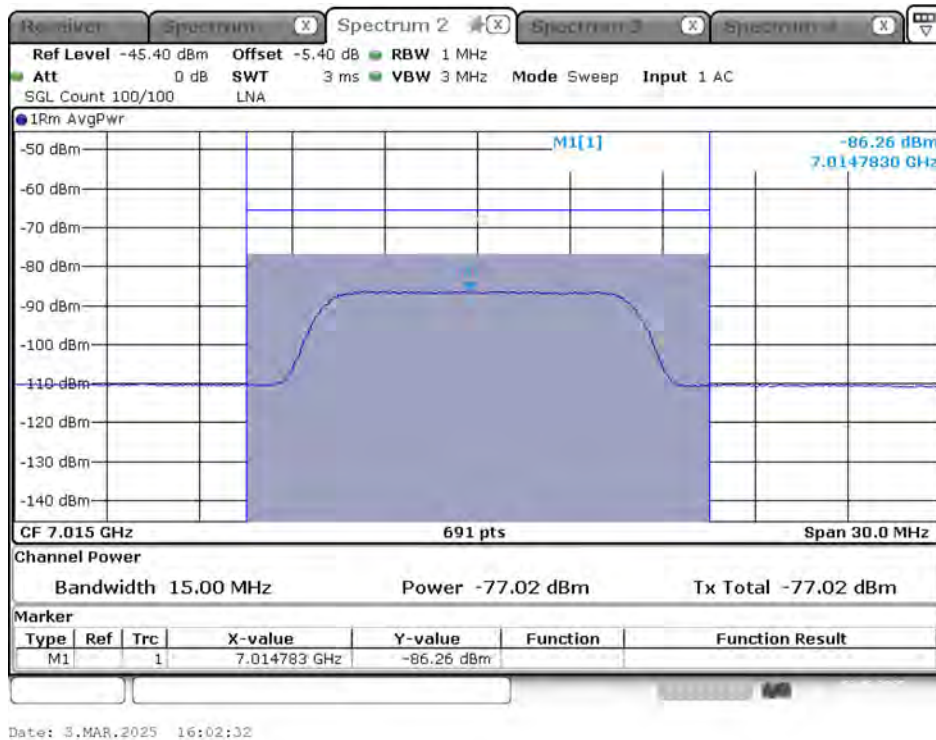
Frequency (MHz): 6455 MHz



Frequency (MHz): 6695 MHz

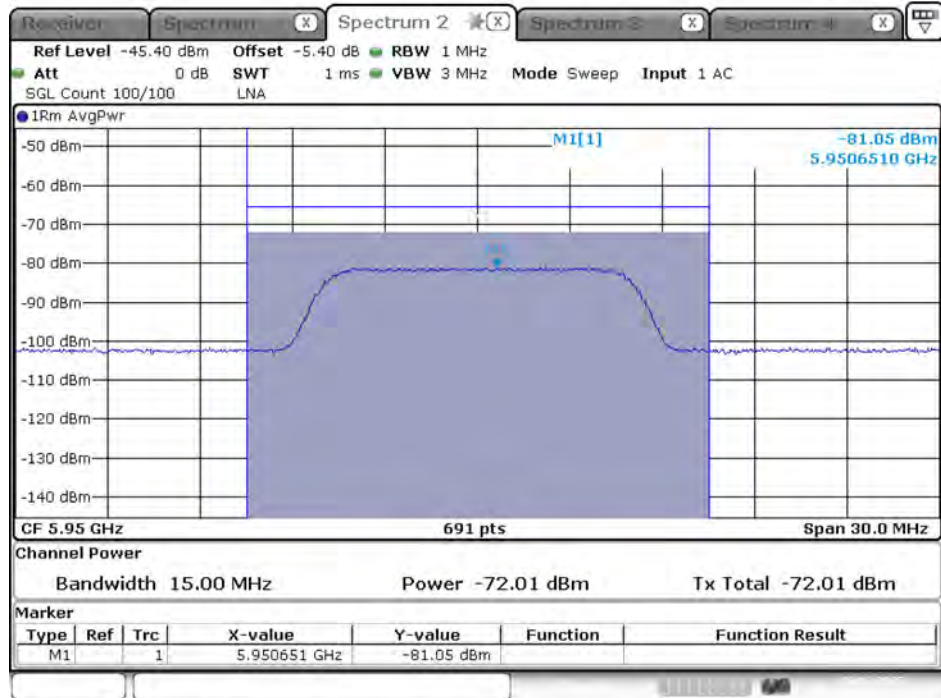


Frequency (MHz): 7015 MHz



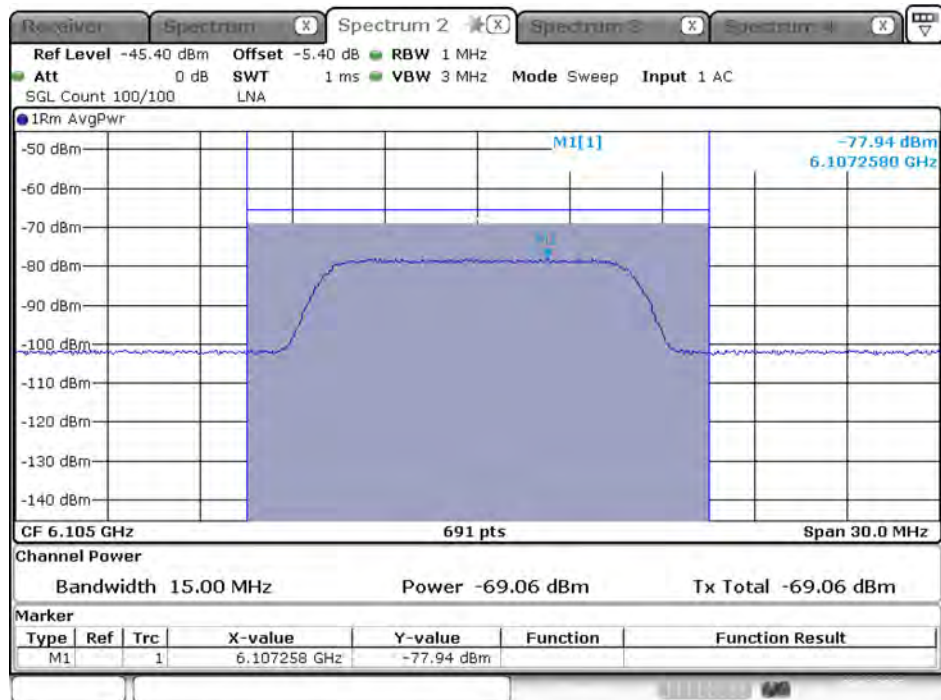
Bandwidth: 320MHz

Frequency (MHz): 5950 MHz



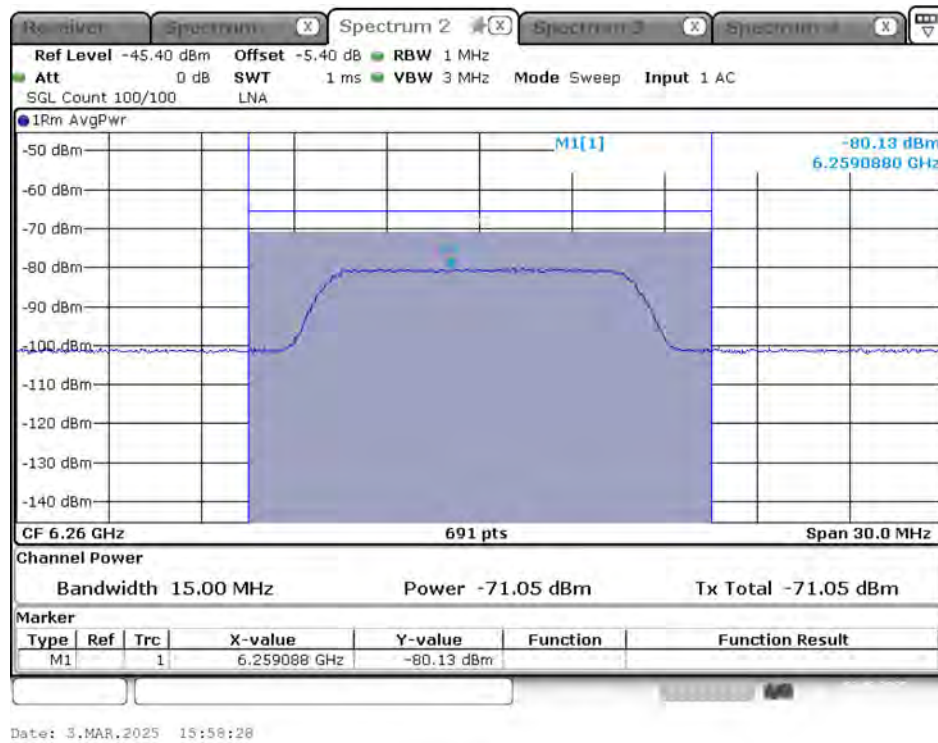
Date: 3.MAR.2025 15:57:30

Frequency (MHz): 6105 MHz

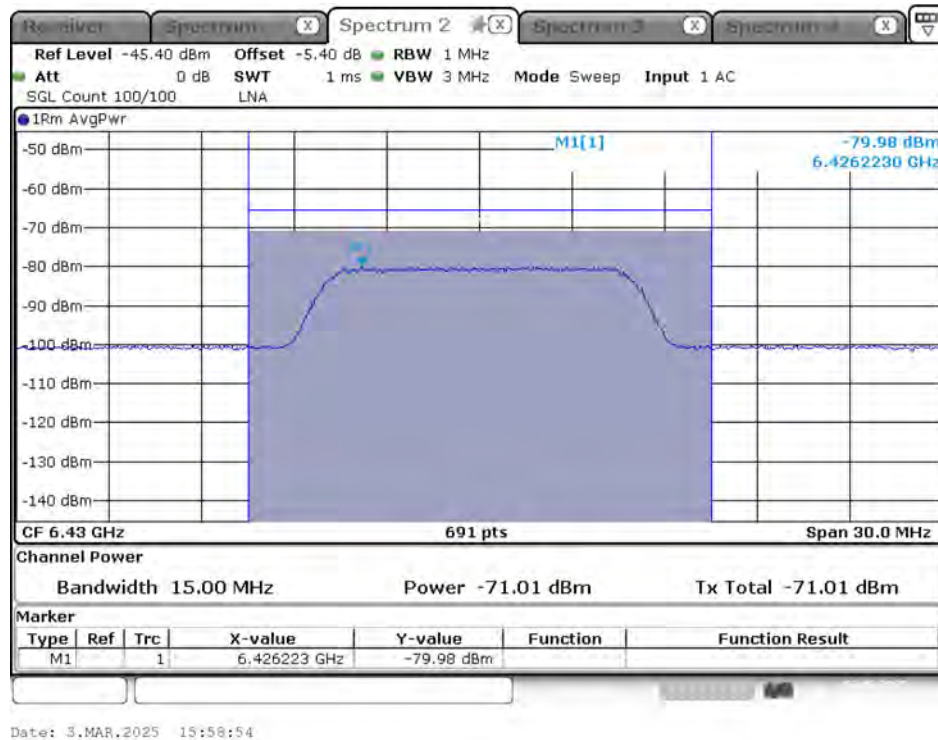


Date: 3.MAR.2025 15:57:52

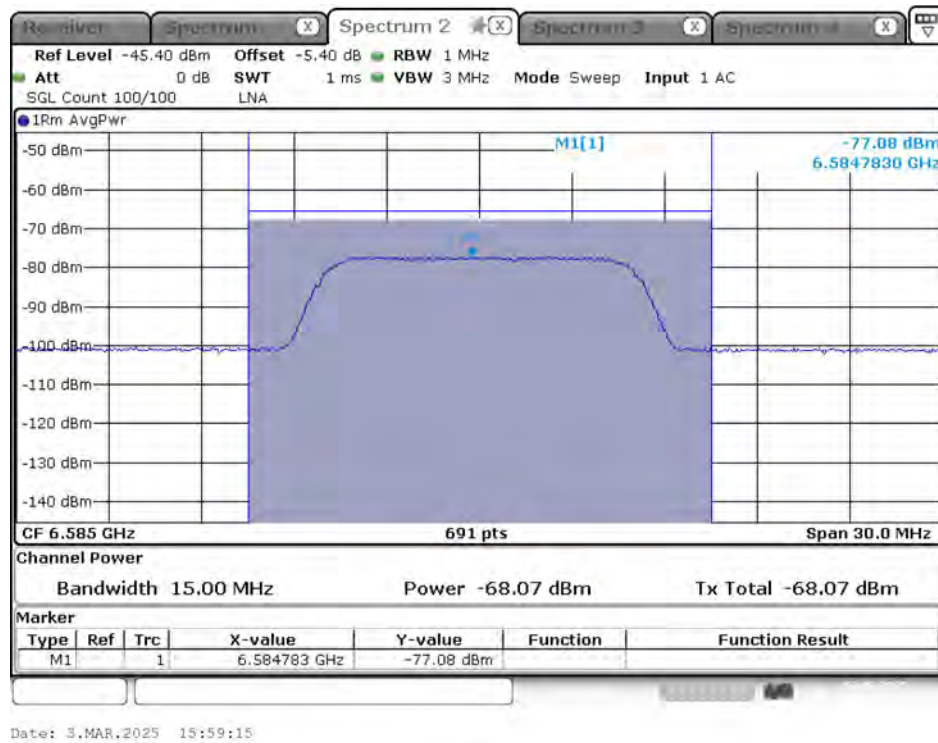
Frequency (MHz): 6260 MHz



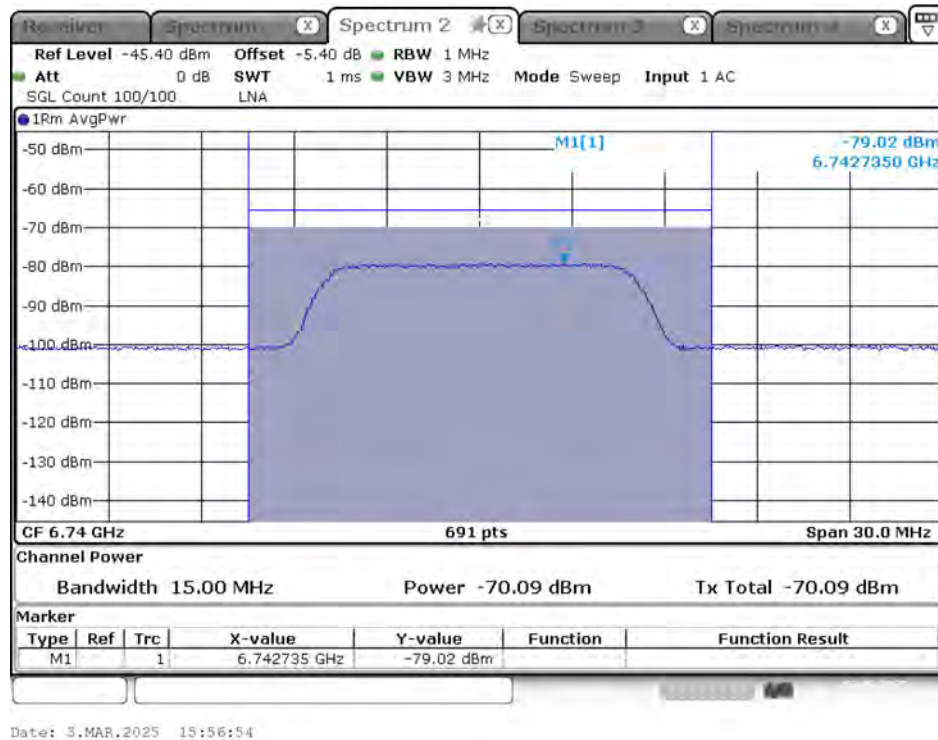
Frequency (MHz): 6430 MHz



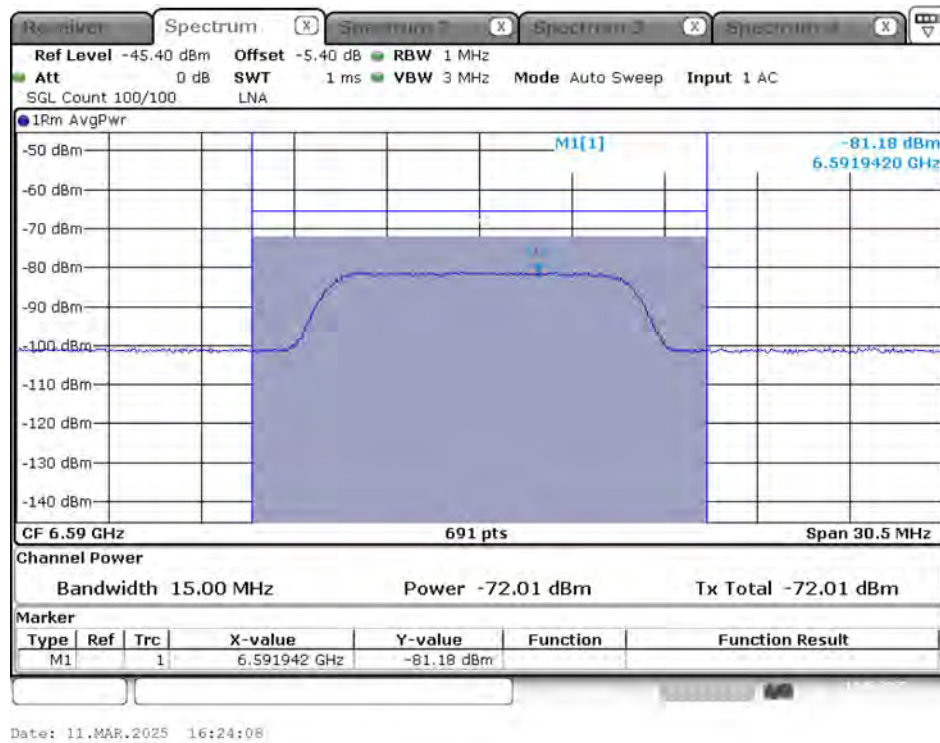
Frequency (MHz): 6585 MHz



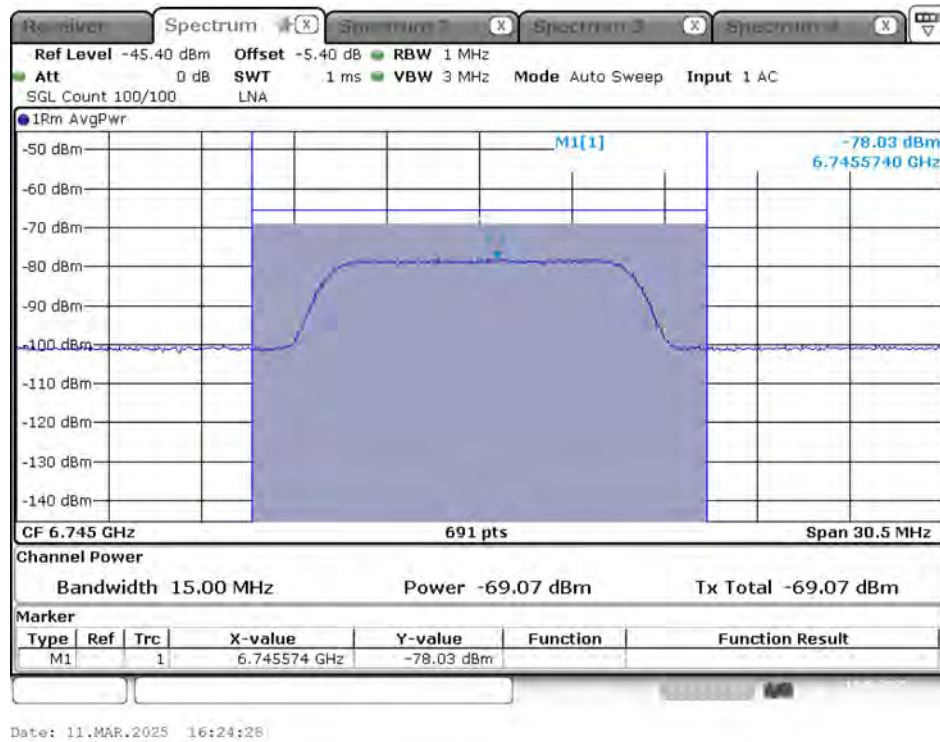
Frequency (MHz): 6740 MHz



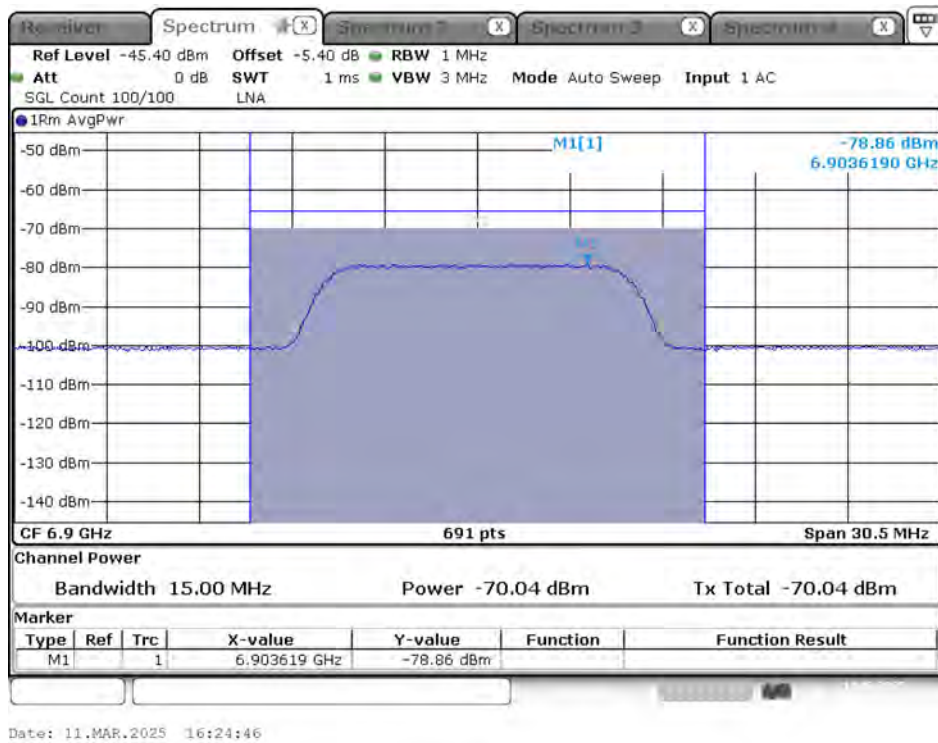
Frequency (MHz): 6590 MHz



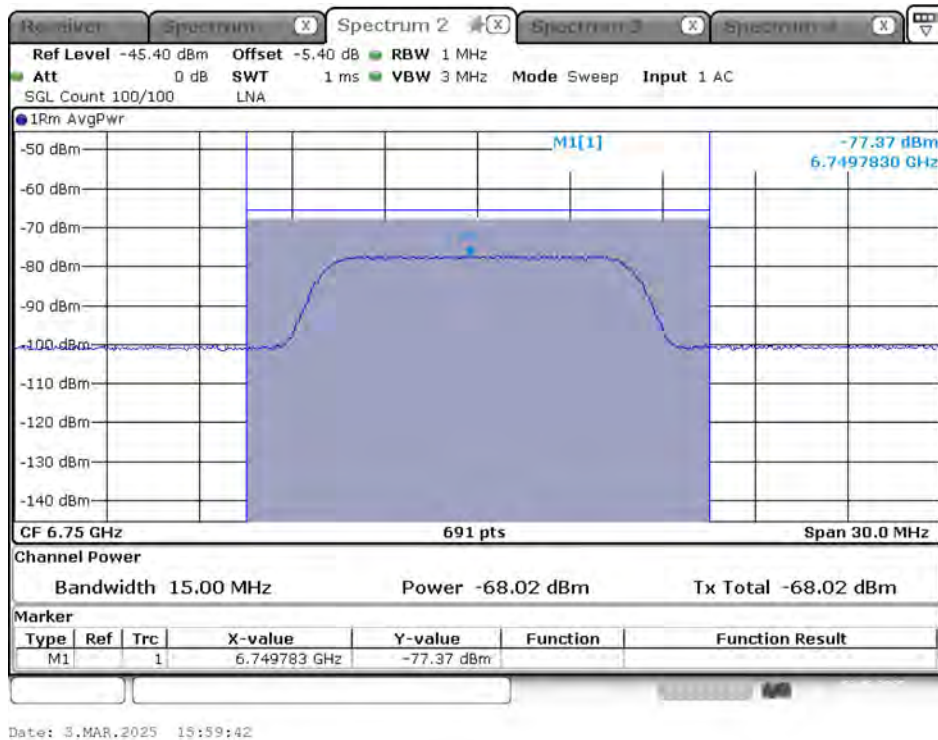
Frequency (MHz): 6745 MHz



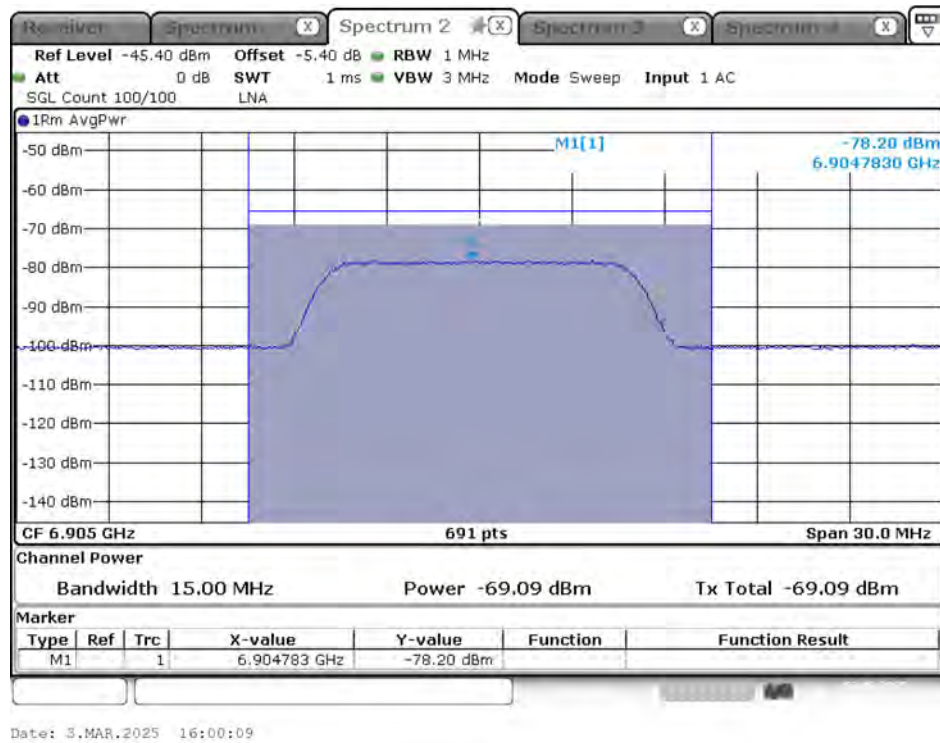
Frequency (MHz): 6900 MHz



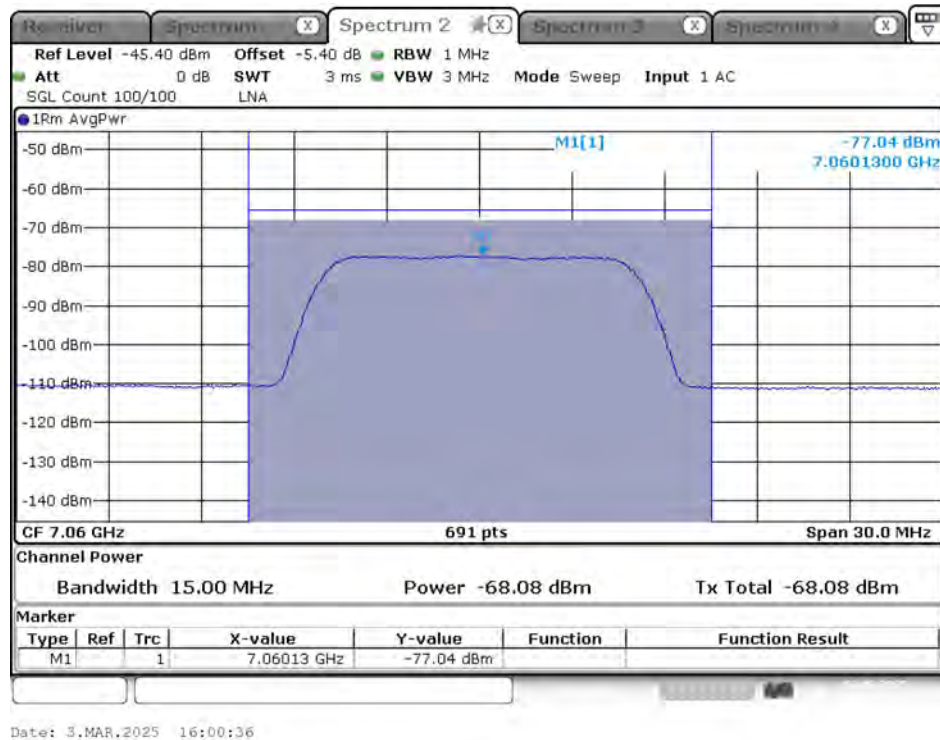
Frequency (MHz): 6750 MHz



Frequency (MHz): 6905 MHz



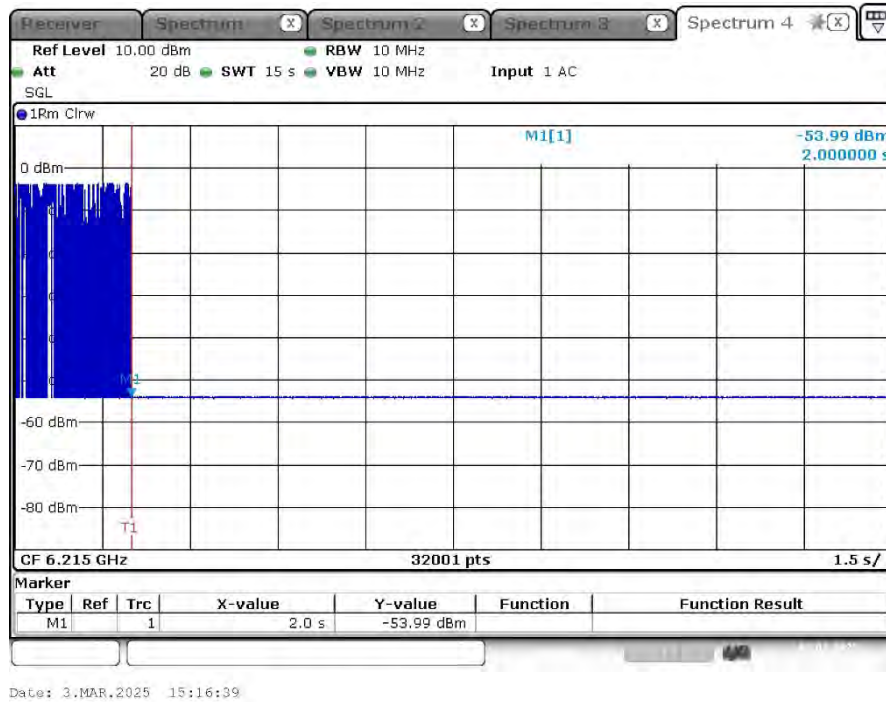
Frequency (MHz): 7060 MHz



Contention-Based Protocol Plot

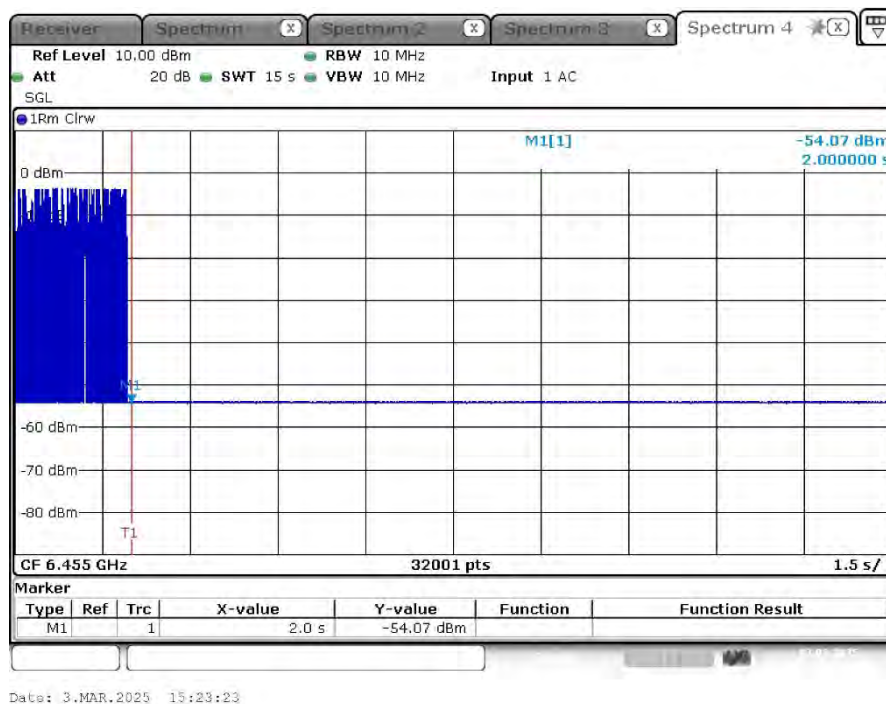
Bandwidth: 20MHz

Test CH 53 ; Incumbent signal 6215 MHz



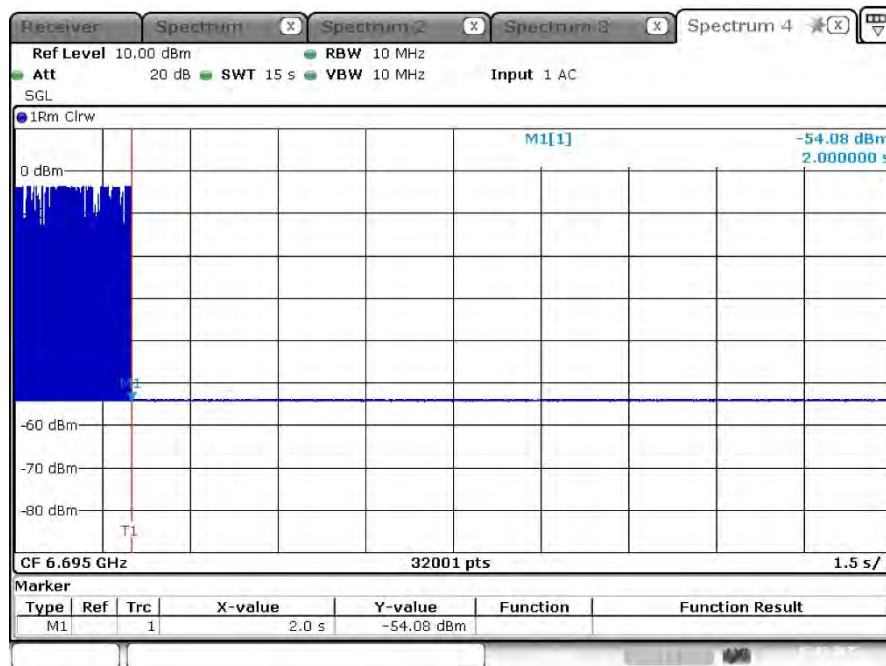
Note : M1 : Inject AWGN signal

Test CH 101 ; Incumbent signal 6455 MHz



Note : M1 : Inject AWGN signal

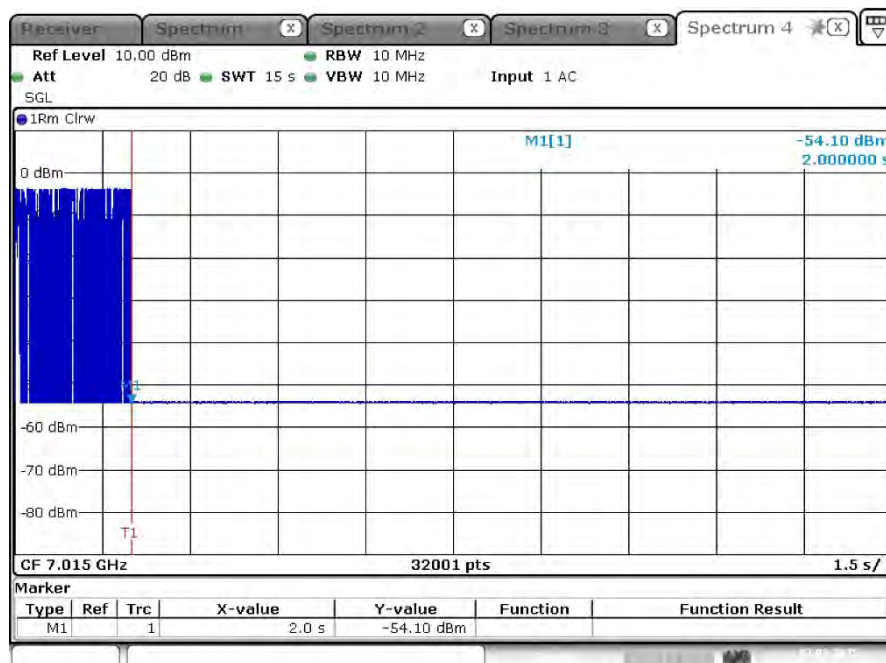
Test CH 149 ; Incumbent signal 6695 MHz



Date: 3.MAR.2025 15:26:38

Note : M1 : Inject AWGN signal

Test CH 213 ; Incumbent signal 7015 MHz

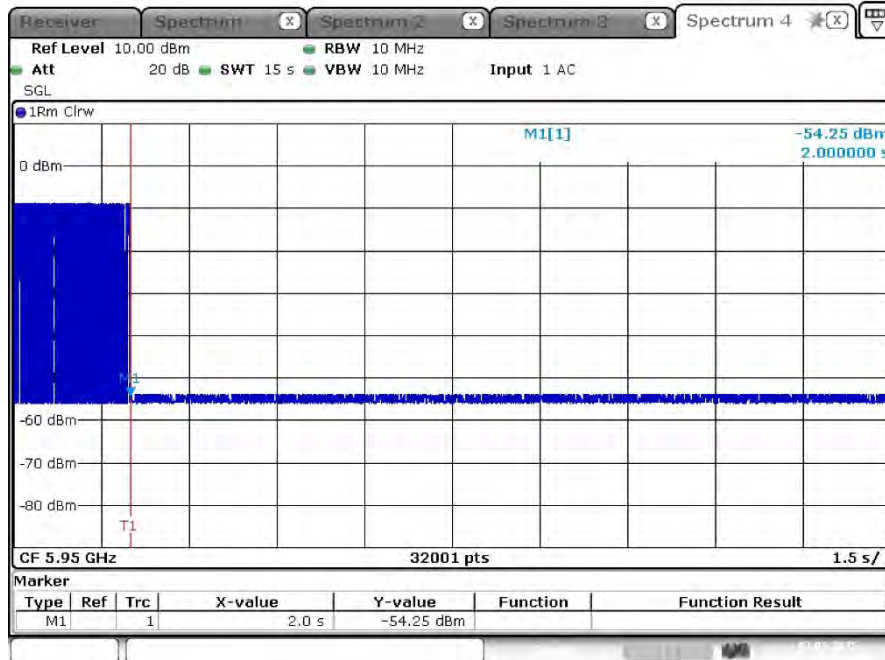


Date: 3.MAR.2025 15:28:11

Note : M1 : Inject AWGN signal

Bandwidth: 320MHz

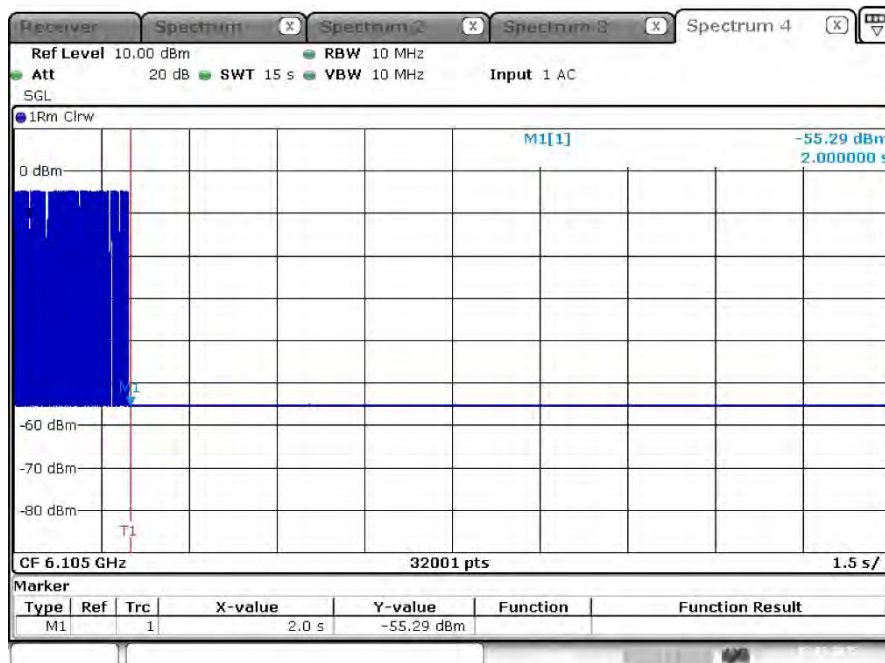
Test CH 31 ; Incumbent signal 5950 MHz



Date: 3.MAR.2025 14:57:48

Note : M1 : Inject AWGN signal

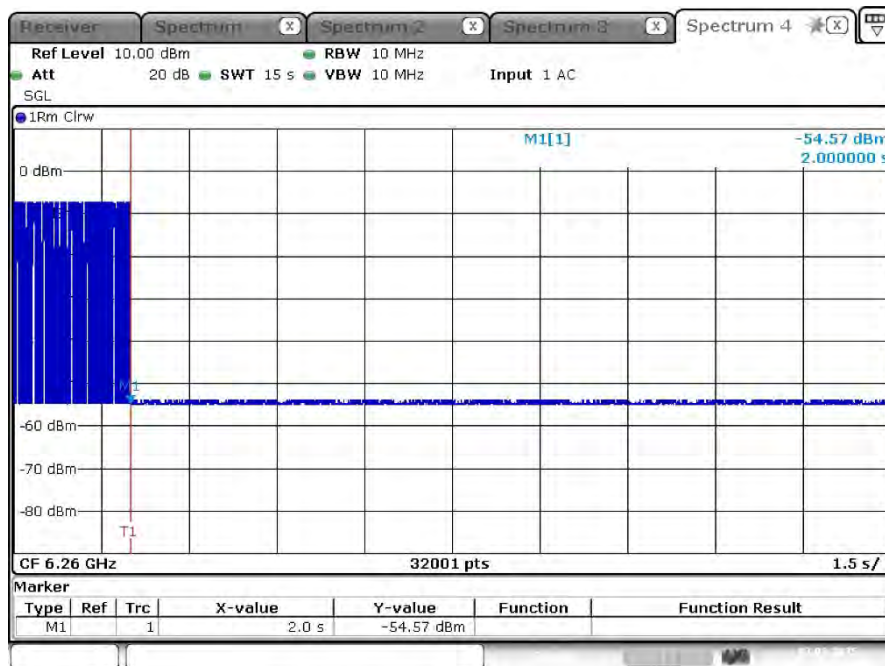
Test CH 31 ; Incumbent signal 6105 MHz



Date: 3.MAR.2025 14:55:03

Note : M1 : Inject AWGN signal

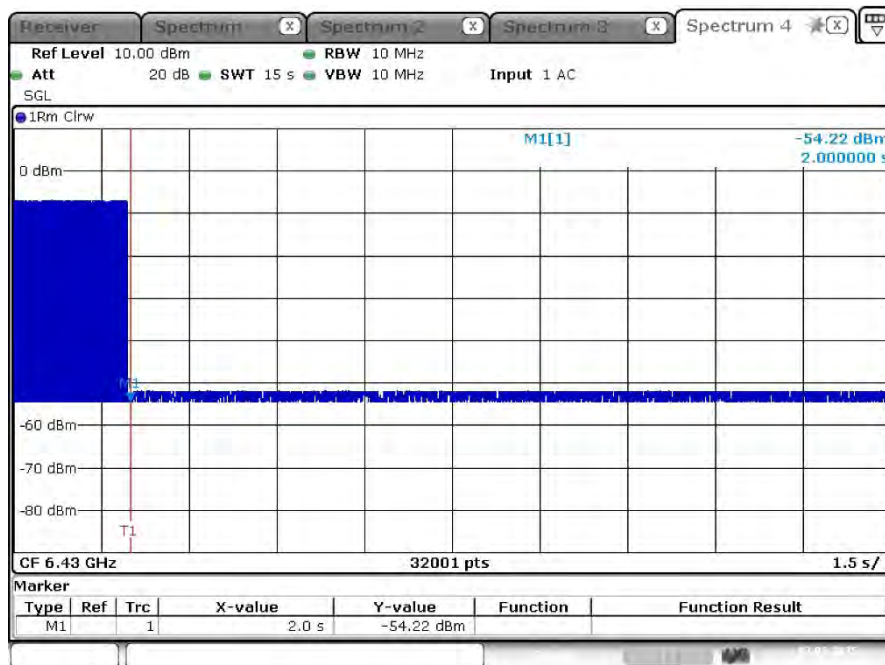
Test CH 31 ; Incumbent signal 6260 MHz



Date: 3.MAR.2025 14:56:30

Note : M1 : Inject AWGN signal

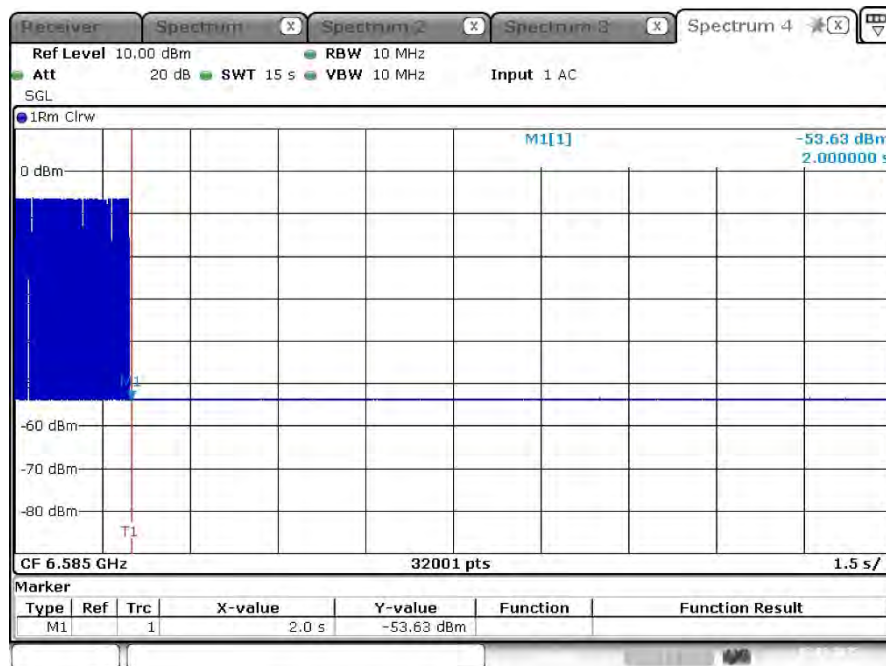
Test CH 127 ; Incumbent signal 6430 MHz



Date: 3.MAR.2025 14:23:51

Note : M1 : Inject AWGN signal

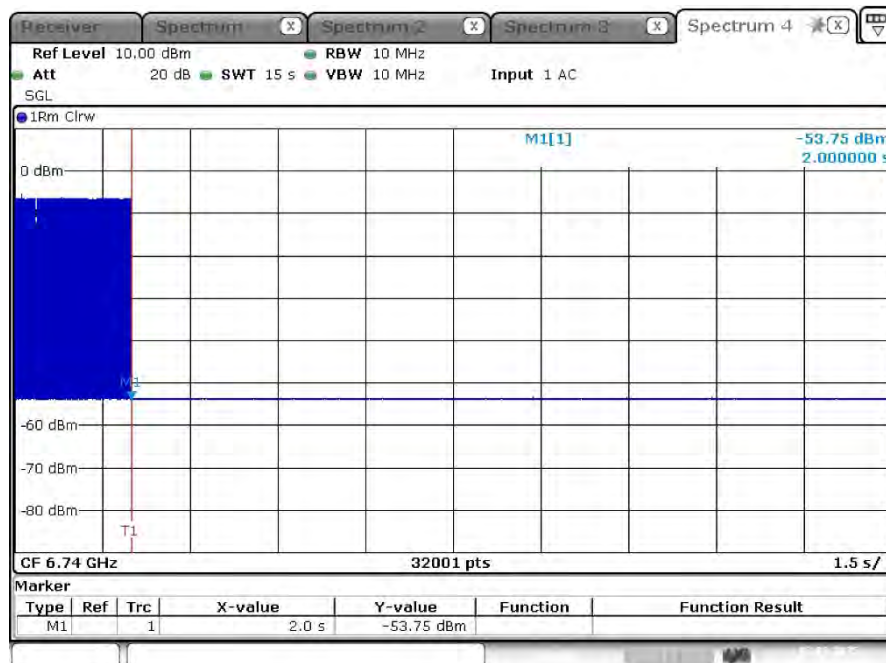
Test CH 127 ; Incumbent signal 6585 MHz



Date: 3.MAR.2025 14:24:59

Note : M1 : Inject AWGN signal

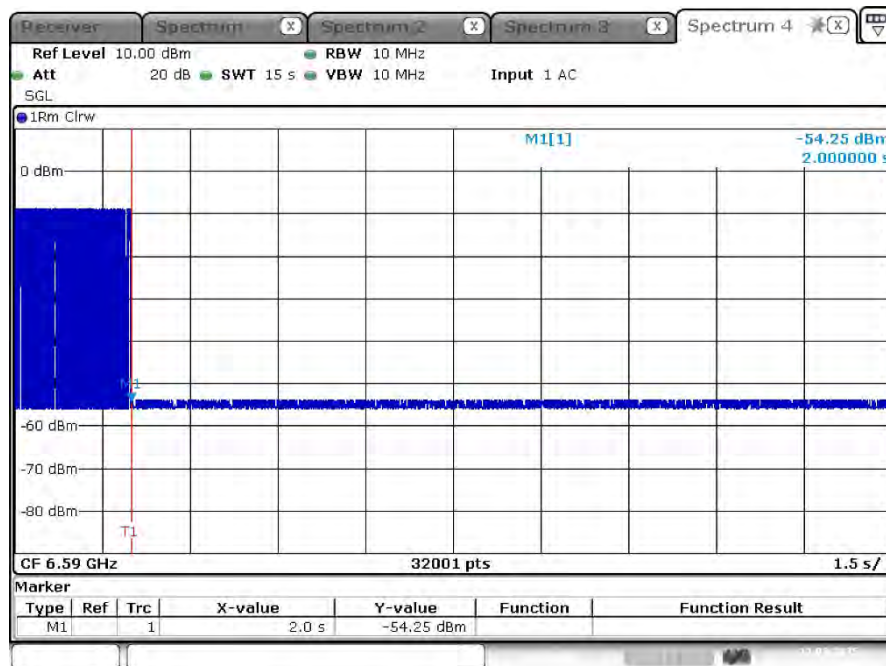
Test CH 127 ; Incumbent signal 6740 MHz



Date: 3.MAR.2025 14:26:07

Note : M1 : Inject AWGN signal

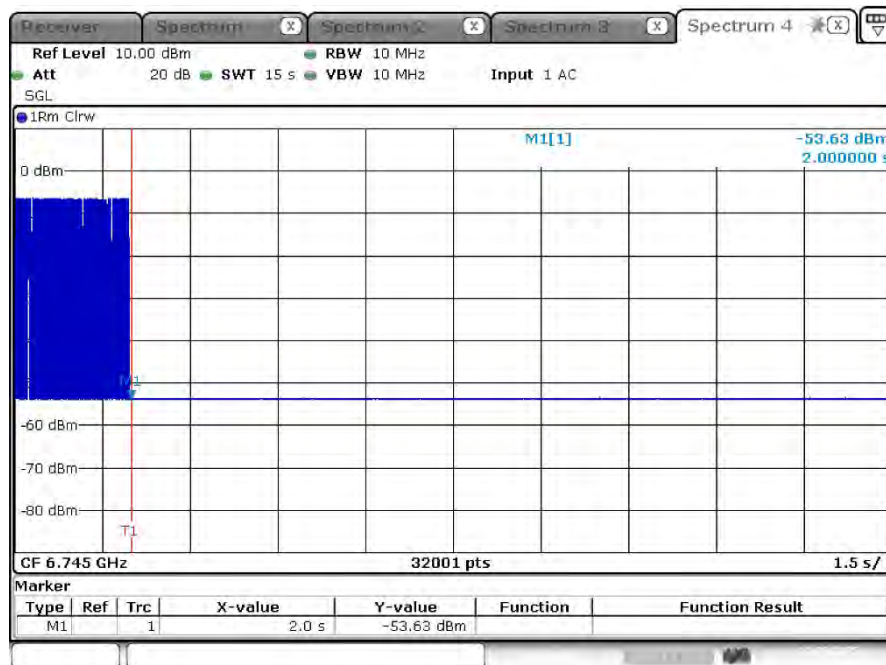
Test CH 159 ; Incumbent signal 6590 MHz



Date: 11.MAR.2025 16:57:48

Note : M1 : Inject AWGN signal

Test CH 159 ; Incumbent signal 6745 MHz



Date: 11.MAR.2025 16:24:59

Note : M1 : Inject AWGN signal

Test CH 159 ; Incumbent signal 6900 MHz

Receiver Spectrum Spectrum 2 Spectrum 3 Spectrum 4

Ref Level 10.00 dBm RBW 10 MHz
Att 20 dB SWT 15 s VBW 10 MHz Input 1 AC
SGL

1Rm Clrw

M1[1] -54.67 dBm 2.000000 s

0 dBm
-60 dBm
-70 dBm
-80 dBm

CF 6.9 GHz 32001 pts 1.5 s/

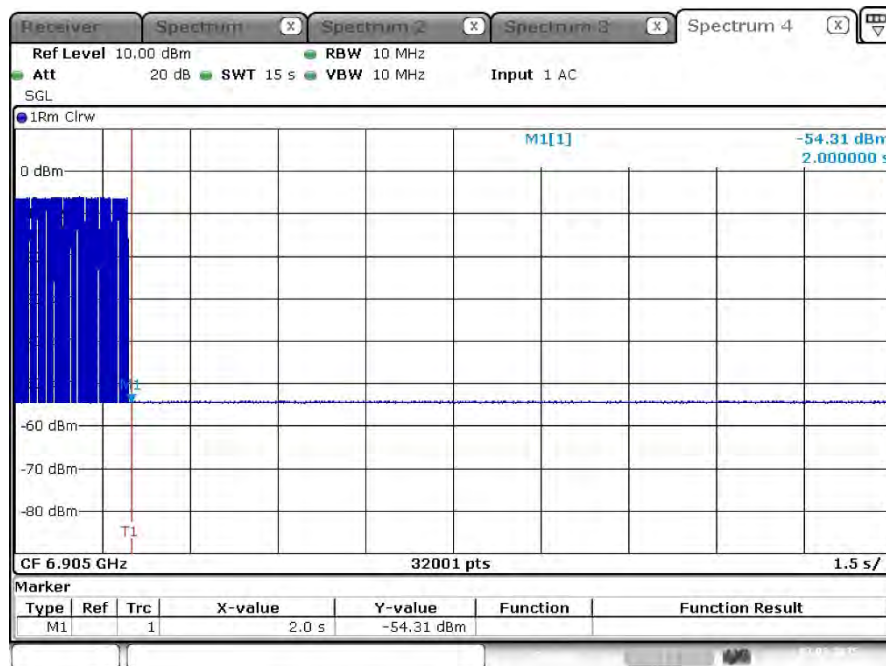
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.0 s	-54.67 dBm		

Date: 11.MAR.2025 16:06:55

Note : M1 : Inject AWGN signal

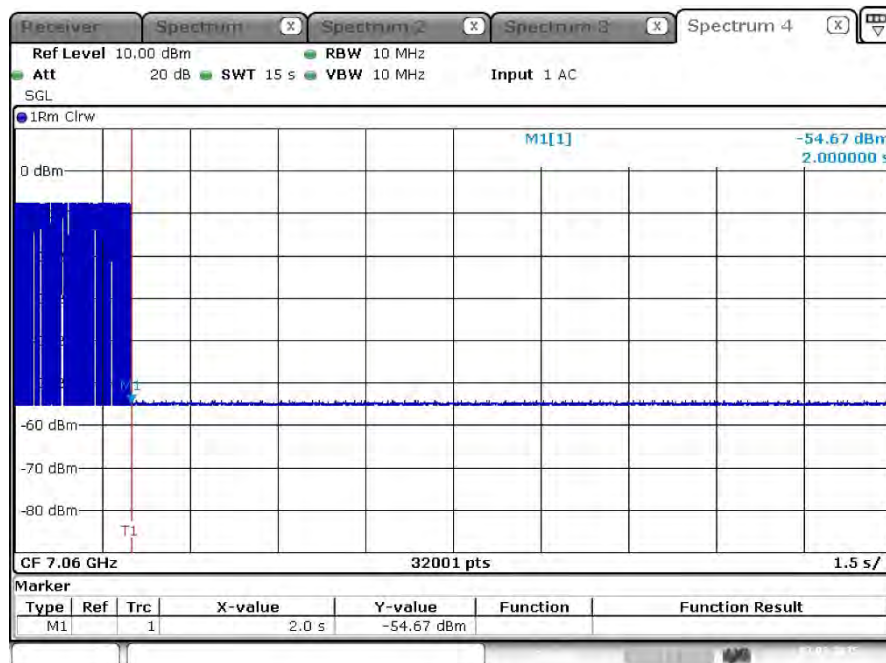
Test CH 191 ; Incumbent signal 6905 MHz



Date: 3.MAR.2025 12:56:42

Note : M1 : Inject AWGN signal

Test CH 191 ; Incumbent signal 7060 MHz



Date: 3.MAR.2025 13:06:55

Note : M1 : Inject AWGN signal

————THE END————