



FCC RF Test Report

APPLICANT : Lenovo (Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB571FU
FCC ID : O57TB571FU
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System
TEST DATE(S) : Jan. 04, 2025 ~ Feb. 18, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR4D1631C	Rev. 01	Initial issue of report	Mar. 13, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.1	-	99% Bandwidth	-	Report Only	-
3.2	15.247(b)	Power Output Measurement	≤ 30dBm	Pass	-
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	Conducted Band Edges	≤ 20dBc	Pass	-
		Conducted Spurious Emission		Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.31 dB at 2484.52 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 3.84 dB at 13.197 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	15.203 & 15.247(b)	Pass	-

Conformity Assessment Condition:

- 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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "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.



1 General Description

1.1 Applicant

Lenovo (Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB571FU
FCC ID	O57TB571FU
SN	Conducted: HA25GXJ4 Conduction: HA24V60L Radiation: HA25GXKM
HW Version	TB571FU
SW Version	Lenovo ZUI 17.0
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2462 MHz
Maximum (Peak) Output Power to antenna	SISO<ANT1> 802.11b : 22.55 dBm (0.1799 W) SISO<ANT2> 802.11b : 22.85 dBm (0.1928 W) MIMO<ANT1+ANT2>: 802.11g : 28.34 dBm (0.6823 W) 802.11n HT20 : 28.16 dBm (0.6546 W) 802.11n HT40 : 26.69 dBm (0.4667 W) 802.11ax HE20 : 28.33 dBm (0.6808 W) 802.11ax HE40 : 26.82 dBm (0.4808 W)
99% Occupied Bandwidth	802.11b : 11.748MHz 802.11g : 21.179MHz 802.11n HT20 : 21.818MHz 802.11n HT40 : 45.874MHz 802.11ax HE20 : 20.739MHz 802.11ax HE40 : 45.634MHz
Antenna Type / Gain	<ANT1>:PIFA Antenna type with gain -0.5 dBi <ANT2>:PIFA Antenna type with gain -0.8 dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)

Note:

1. The device only supports 802.11b SISO mode.
2. WLAN_11g support MIMO CDD mode, and 11n/ax support MIMO STBC mode
3. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to the higher normal output power.
4. 802.11ax support OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) test output power, the full RU power/PSD > partial RU, therefore the full RU perform full, and partial RU verify bandedge/spurious.
5. The Ant.1 in this report corresponds to Ant.0 in the antenna report. The Ant.2 in this report corresponds to Ant.1 in the antenna report.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH05-KS TH01-KS	CN1257	314309

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	Tonscend	JS1120-3 test system China_210602	3.3.10
2.	03CH05-KS	AUDIX	E3	210616
3.	CO01-KS	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

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

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437	-	-



2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

SISO Antenna

Modulation	Data Rate
802.11b	1 Mbps

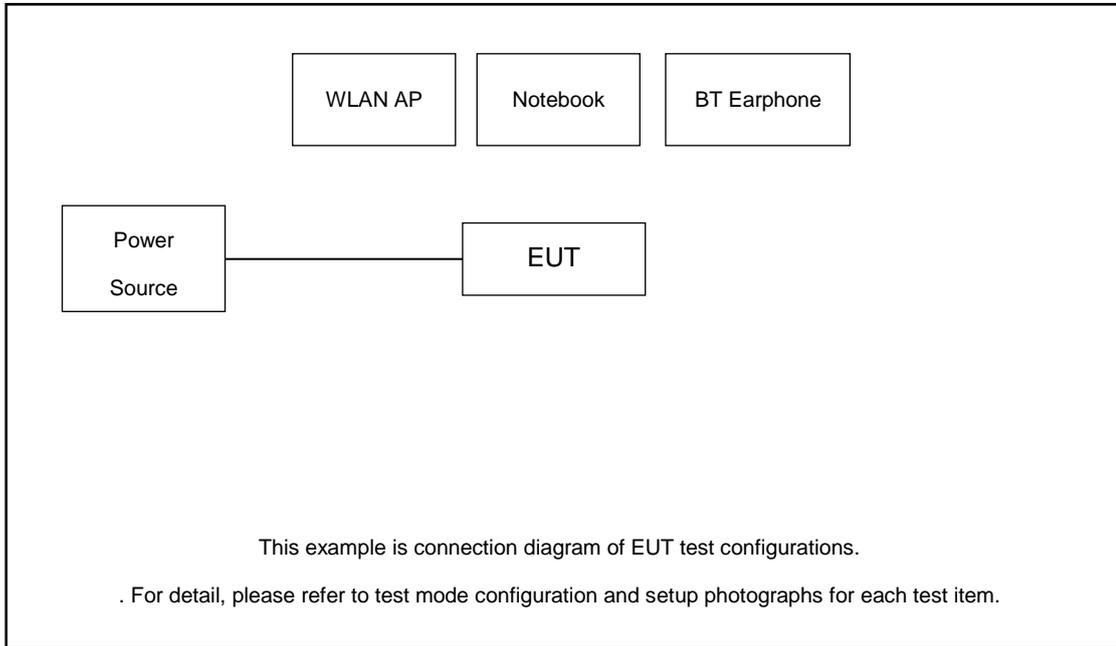
MIMO Antenna

Modulation	Data Rate
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0

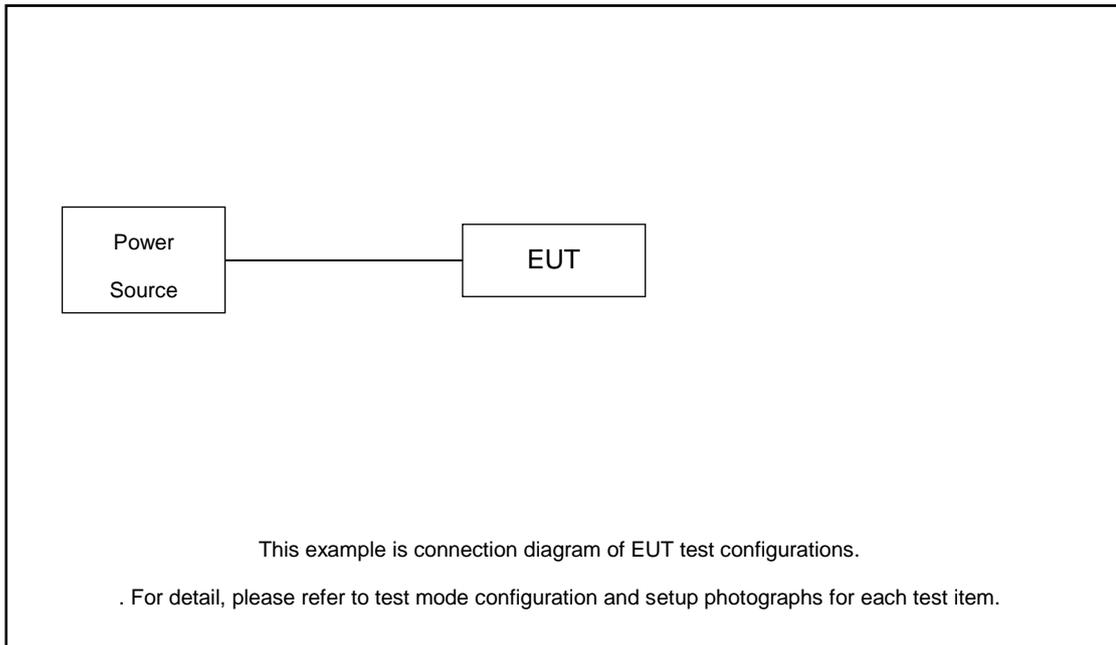
Test Cases	
AC Conducted Emission	Mode 1 :BT Link + WLAN Link(2.4G) + USB Cable (Charging From Adaptor)
Remark: For Radiated Test Cases, The tests were performance with Adapter and USB Cable.	

2.3 Connection Diagram of Test System

AC Conducted Emission:



Radiated Emission:





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
2.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
3.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

Following shows an offset computation example with cable loss 2.25 dB and 20dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 2.25 + 20 = 22.25 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

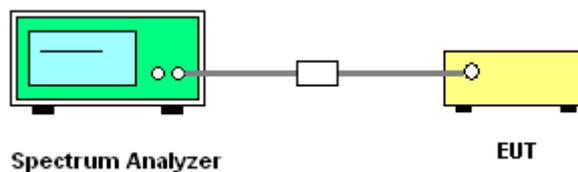
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.8
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) $\geq 3 \times$ RBW. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1%~5% of OBW and set the Video bandwidth (VBW) approximately three times the RBW.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

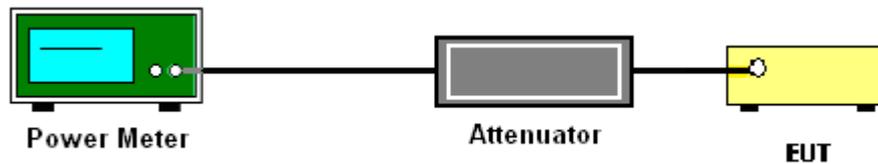
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.1.3 PKPM1 Peak power meter or ANSI C63.10-2013 clause 11.9.2.3.1 Method AVGPM method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup





3.2.5 Test Result of Peak Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NT X	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	22.55	22.85		30.00	30.00	-0.50	-0.80	22.05	22.05	36.00	36.00	Pass
11b	1Mbps	1	6	2437	21.16	21.73		30.00	30.00	-0.50	-0.80	20.66	20.93	36.00	36.00	Pass
11b	1Mbps	1	11	2462	21.63	22.17		30.00	30.00	-0.50	-0.80	21.13	21.37	36.00	36.00	Pass

2.4GHz Band MIMO																
Mod.	Data Rate	NT X	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11g	6Mbps	2	1	2412	24.20	23.22	26.75	30.00		-0.50		26.25		36.00		Pass
11g	6Mbps	2	2	2417	25.25	24.86	28.07	30.00		-0.50		27.57		36.00		Pass
11g	6Mbps	2	6	2437	25.62	25.01	28.34	30.00		-0.50		27.84		36.00		Pass
11g	6Mbps	2	8	2447	25.01	24.77	27.90	30.00		-0.50		27.40		36.00		Pass
11g	6Mbps	2	9	2452	24.88	24.39	27.65	30.00		-0.50		27.15		36.00		Pass
11g	6Mbps	2	10	2457	24.91	24.43	27.69	30.00		-0.50		27.19		36.00		Pass
11g	6Mbps	2	11	2462	24.86	23.52	27.25	30.00		-0.50		26.75		36.00		Pass
HT20	MCS0	2	1	2412	24.46	23.99	27.24	30.00		-0.50		26.74		36.00		Pass
HT20	MCS0	2	2	2417	25.46	24.52	28.03	30.00		-0.50		27.53		36.00		Pass
HT20	MCS0	2	6	2437	25.49	24.78	28.16	30.00		-0.50		27.66		36.00		Pass
HT20	MCS0	2	7	2442	25.28	24.86	28.09	30.00		-0.50		27.59		36.00		Pass
HT20	MCS0	2	8	2447	24.55	24.37	27.47	30.00		-0.50		26.97		36.00		Pass
HT20	MCS0	2	9	2452	24.57	24.39	27.49	30.00		-0.50		26.99		36.00		Pass
HT20	MCS0	2	10	2457	24.35	23.91	27.15	30.00		-0.50		26.65		36.00		Pass
HT20	MCS0	2	11	2462	23.07	22.47	25.79	30.00		-0.50		25.29		36.00		Pass
HT40	MCS0	2	3	2422	24.12	23.18	26.69	30.00		-0.50		26.19		36.00		Pass



HT40	MCS0	2	6	2437	23.01	21.82	25.47	30.00	-0.50	24.97	36.00	Pass
HT40	MCS0	2	9	2452	22.36	21.52	24.97	30.00	-0.50	24.47	36.00	Pass

2.4GHz Band MIMO																
Mod.	Data Rate	NT	CH	Freq. (MHz)	RU Config.	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2		
HE20	MCS0	2	1	2412	Full	24.65	24.15	27.42	30.00	-0.50	26.92	36.00	Pass			
HE20	MCS0	2	1	2412	26/0	16.52	15.12	18.89	30.00	-0.50	18.39	36.00	Pass			
HE20	MCS0	2	1	2412	52/37	18.67	18.23	21.47	30.00	-0.50	20.97	36.00	Pass			
HE20	MCS0	2	1	2412	106/53	20.84	20.98	23.92	30.00	-0.50	23.42	36.00	Pass			
HE20	MCS0	2	2	2417	Full	25.58	24.71	28.18	30.00	-0.50	27.68	36.00	Pass			
HE20	MCS0	2	6	2437	Full	25.64	24.97	28.33	30.00	-0.50	27.83	36.00	Pass			
HE20	MCS0	2	6	2437	26/0	20.93	19.75	23.39	30.00	-0.50	22.89	36.00	Pass			
HE20	MCS0	2	6	2437	52/37	24.22	22.09	26.29	30.00	-0.50	25.79	36.00	Pass			
HE20	MCS0	2	6	2437	106/53	25.21	23.55	27.47	30.00	-0.50	26.97	36.00	Pass			
HE20	MCS0	2	7	2442	Full	25.47	25.03	28.27	30.00	-0.50	27.77	36.00	Pass			
HE20	MCS0	2	8	2447	Full	24.68	24.47	27.59	30.00	-0.50	27.09	36.00	Pass			
HE20	MCS0	2	9	2452	Full	24.73	24.57	27.66	30.00	-0.50	27.16	36.00	Pass			
HE20	MCS0	2	10	2457	Full	24.51	24.01	27.28	30.00	-0.50	26.78	36.00	Pass			
HE20	MCS0	2	11	2462	Full	23.25	22.59	25.94	30.00	-0.50	25.44	36.00	Pass			
HE20	MCS0	2	11	2462	26/8	14.61	12.92	16.86	30.00	-0.50	16.36	36.00	Pass			
HE20	MCS0	2	11	2462	52/40	16.08	15.31	18.72	30.00	-0.50	18.22	36.00	Pass			
HE20	MCS0	2	11	2462	106/54	19.73	18.42	22.13	30.00	-0.50	21.63	36.00	Pass			
HE40	MCS0	2	3	2422	Full	24.25	23.31	26.82	30.00	-0.50	26.32	36.00	Pass			
HE40	MCS0	2	6	2437	Full	23.12	21.88	25.55	30.00	-0.50	25.05	36.00	Pass			
HE40	MCS0	2	9	2452	Full	22.53	21.61	25.10	30.00	-0.50	24.60	36.00	Pass			



3.2.6 Test Result of Average Output Power (Reporting Only)

2.4GHz Band Single Antenna																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail	Setting	
					Ant 1	Ant 2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2		Ant1	Ant2
11b	1Mbps	1	1	2412	0.07	0.07	19.72	20.18		30.00	30.00	-0.50	-0.80	19.22	19.38	36.00	36.00	Pass	80.00	80.00
11b	1Mbps	1	6	2437	0.07	0.07	18.49	18.92		30.00	30.00	-0.50	-0.80	17.99	18.12	36.00	36.00	Pass	80.00	80.00
11b	1Mbps	1	11	2462	0.07	0.07	18.91	19.56		30.00	30.00	-0.50	-0.80	18.41	18.76	36.00	36.00	Pass	80.00	80.00

2.4GHz Band MIMO																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail	Setting	
					Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2		Ant1	Ant2
11g	6Mbps	2	1	2412	0.44	0.42	14.45	14.20	17.34	30.00		-0.50		16.84		36.00		Pass	56.00	
11g	6Mbps	2	2	2417	0.44	0.42	18.48	17.53	21.04	30.00		-0.50		20.54		36.00		Pass	72.00	
11g	6Mbps	2	6	2437	0.44	0.42	19.98	18.89	22.48	30.00		-0.50		21.98		36.00		Pass	80.00	
11g	6Mbps	2	8	2447	0.44	0.42	17.76	17.36	20.57	30.00		-0.50		20.07		36.00		Pass	71.00	
11g	6Mbps	2	9	2452	0.44	0.42	17.16	16.75	19.97	30.00		-0.50		19.47		36.00		Pass	68.00	
11g	6Mbps	2	10	2457	0.44	0.42	17.29	16.78	20.05	30.00		-0.50		19.55		36.00		Pass	68.00	
11g	6Mbps	2	11	2462	0.44	0.42	15.36	14.99	18.19	30.00		-0.50		17.69		36.00		Pass	62.00	
HT20	MCS0	2	1	2412	0.69	0.69	14.15	13.93	17.05	30.00		-0.50		16.55		36.00		Pass	54.00	
HT20	MCS0	2	2	2417	0.69	0.69	17.95	17.08	20.55	30.00		-0.50		20.05		36.00		Pass	70.00	
HT20	MCS0	2	6	2437	0.69	0.69	19.45	18.26	21.91	30.00		-0.50		21.41		36.00		Pass	78.00	
HT20	MCS0	2	7	2442	0.69	0.69	19.19	18.38	21.81	30.00		-0.50		21.31		36.00		Pass	76.00	
HT20	MCS0	2	8	2447	0.69	0.69	15.95	15.60	18.79	30.00		-0.50		18.29		36.00		Pass	63.00	
HT20	MCS0	2	9	2452	0.69	0.69	15.88	15.50	18.70	30.00		-0.50		18.20		36.00		Pass	62.00	
HT20	MCS0	2	10	2457	0.69	0.69	14.87	14.65	17.77	30.00		-0.50		17.27		36.00		Pass	58.00	



HT20	MCS0	2	11	2462	0.69	0.69	12.88	12.57	15.74	30.00	-0.50	15.24	36.00	Pass	52.00
HT40	MCS0	2	3	2422	0.69	0.69	14.44	13.75	17.12	30.00	-0.50	16.62	36.00	Pass	55.00
HT40	MCS0	2	6	2437	0.69	0.69	12.62	11.88	15.28	30.00	-0.50	14.78	36.00	Pass	49.00
HT40	MCS0	2	9	2452	0.69	0.69	11.97	11.38	14.70	30.00	-0.50	14.20	36.00	Pass	47.00

2.4GHz Band MIMO																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power with duty factor (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail	Setting	
						Ant1	Ant2	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2			Ant1	Ant2
HE20	MCS0	2	1	2412	Full	0.67	0.67	14.29	13.99	17.15	30.00	-0.50	16.65	36.00	Pass	54.00				
HE20	MCS0	2	1	2412	26/0	0.14	0.11	5.96	5.08	8.55	30.00	-0.50	8.05	36.00	Pass	18.00				
HE20	MCS0	2	1	2412	52/37	0.24	0.22	8.13	7.69	10.93	30.00	-0.50	10.43	36.00	Pass	28.00				
HE20	MCS0	2	1	2412	106/53	0.46	0.49	9.98	10.31	13.16	30.00	-0.50	12.66	36.00	Pass	41.00				
HE20	MCS0	2	2	2417	Full	0.67	0.67	18.08	17.21	20.68	30.00	-0.50	20.18	36.00	Pass	70.00				
HE20	MCS0	2	6	2437	Full	0.67	0.67	19.55	18.39	22.02	30.00	-0.50	21.52	36.00	Pass	78.00				
HE20	MCS0	2	6	2437	26/0	0.14	0.11	10.43	9.36	12.94	30.00	-0.50	12.44	36.00	Pass	46.00				
HE20	MCS0	2	6	2437	52/37	0.24	0.22	13.66	12.63	16.19	30.00	-0.50	15.69	36.00	Pass	56.00				
HE20	MCS0	2	6	2437	106/53	0.46	0.49	16.47	15.48	19.01	30.00	-0.50	18.51	36.00	Pass	67.00				
HE20	MCS0	2	7	2442	Full	0.67	0.67	19.32	18.44	21.91	30.00	-0.50	21.41	36.00	Pass	76.00				
HE20	MCS0	2	8	2447	Full	0.67	0.67	16.06	15.74	18.91	30.00	-0.50	18.41	36.00	Pass	63.00				
HE20	MCS0	2	9	2452	Full	0.67	0.67	16.00	15.63	18.83	30.00	-0.50	18.33	36.00	Pass	62.00				
HE20	MCS0	2	10	2457	Full	0.67	0.67	14.94	14.72	17.84	30.00	-0.50	17.34	36.00	Pass	58.00				
HE20	MCS0	2	11	2462	Full	0.67	0.67	13.01	12.64	15.84	30.00	-0.50	15.34	36.00	Pass	52.00				
HE20	MCS0	2	11	2462	26/8	0.14	0.11	4.02	2.19	6.21	30.00	-0.50	5.71	36.00	Pass	16.00				
HE20	MCS0	2	11	2462	52/40	0.24	0.22	6.31	5.10	8.76	30.00	-0.50	8.26	36.00	Pass	26.00				
HE20	MCS0	2	11	2462	106/54	0.46	0.49	9.69	7.87	11.88	30.00	-0.50	11.38	36.00	Pass	39.00				
HE40	MCS0	2	3	2422	Full	0.70	0.70	14.54	13.88	17.23	30.00	-0.50	16.73	36.00	Pass	55.00				
HE40	MCS0	2	6	2437	Full	0.70	0.70	12.72	11.99	15.38	30.00	-0.50	14.88	36.00	Pass	49.00				
HE40	MCS0	2	9	2452	Full	0.70	0.70	12.09	11.42	14.78	30.00	-0.50	14.28	36.00	Pass	47.00				



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

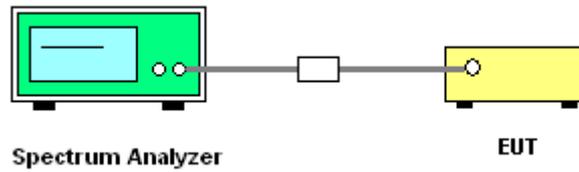
3.3.3 Test Procedures

1. The testing follows Measurement Procedure of ANSI C63.10-2013 clause 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01:

Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

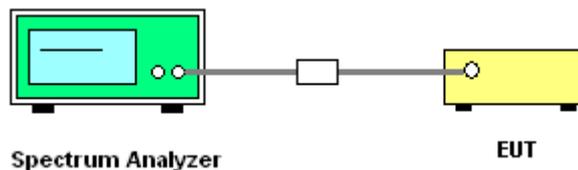
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.11
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Please refer to Appendix A.



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

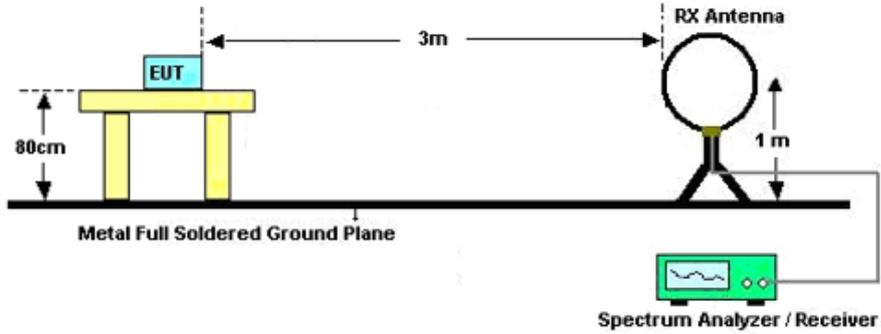


3.5.3 Test Procedures

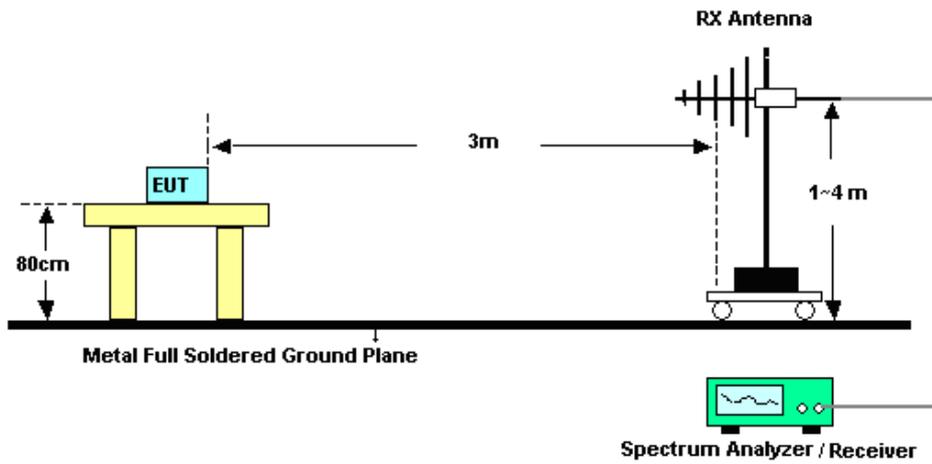
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for $f < 1$ GHz; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.
For average measurement (follow clause 11.12.2.5.2):
 - The EUT shall be configured to operate at the maximum achievable duty cycle.
 - RBW = 1 MHz; VBW = 3 MHz; Sweep = auto; Detector function = RMS
 - A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle.
 - Using the linear voltage averaging mode, the applicable correction factor is $[20 \log (1 / D)]$, where D is the duty cycle.

3.5.4 Test Setup

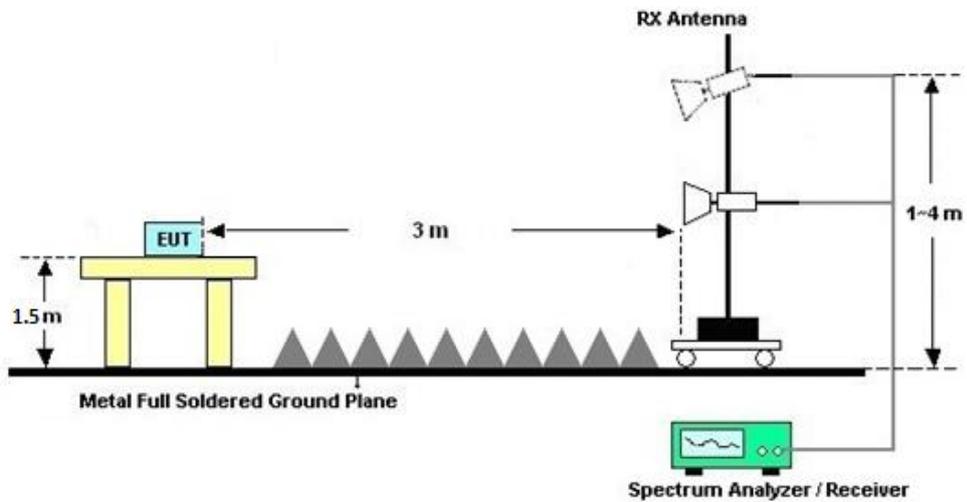
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

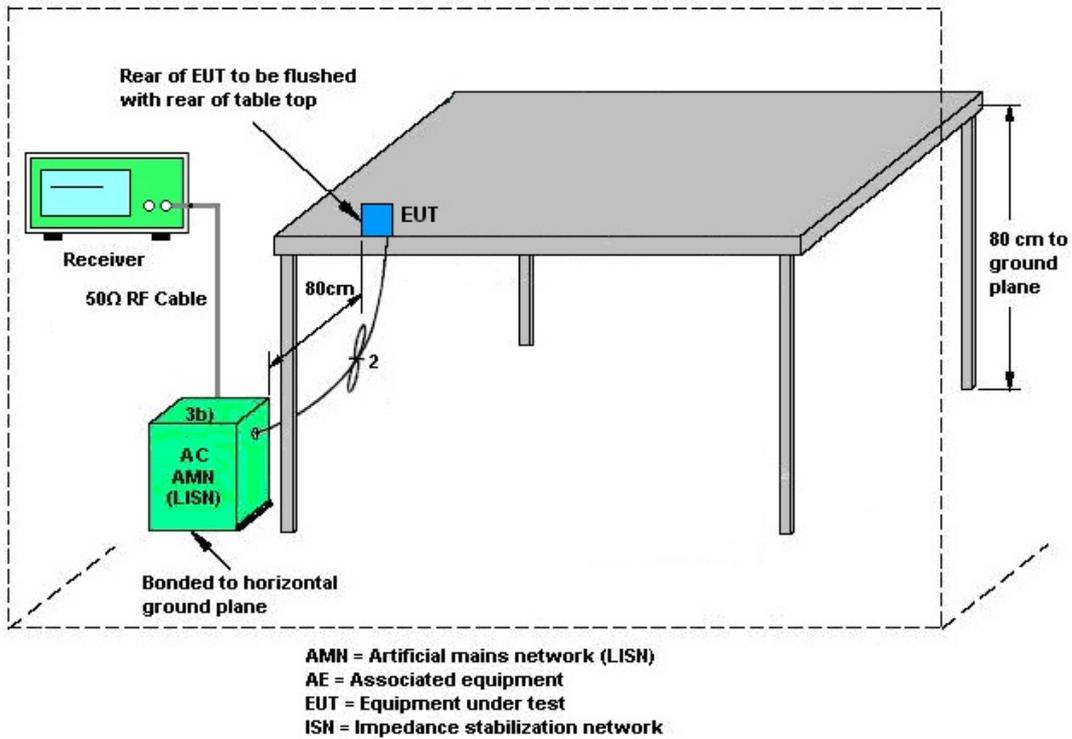
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.



<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
802.11g	-0.50	-0.80	-0.50	2.36	0.00	0.00

<STBC Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
802.11n/ax	-0.50	-0.80	-0.50	-0.50	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Jan. 04, 2025~ Jan. 21, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 02, 2025	Jan. 04, 2025~ Jan. 21, 2025	Jan. 01, 2026	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 02, 2025	Jan. 04, 2025~ Jan. 21, 2025	Jan. 01, 2026	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY572901 51	3Hz~8.5GHz;M ax 30dBm	Jul. 04, 2024	Jan. 05, 2025	Jul. 03, 2025	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY602421 26	10Hz-44G,MAX 30dB	Oct. 10, 2024	Jan. 05, 2025	Oct. 09, 2025	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Jan. 05, 2025	Sep. 07, 2025	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49921	30MHz-1GHz	Apr. 18, 2024	Jan. 05, 2025	Apr. 17, 2025	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218642	1GHz~18GHz	Apr. 11, 2024	Jan. 05, 2025	Apr. 10, 2025	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	Jan. 05, 2025	Oct. 21, 2025	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 03, 2024	Jan. 05, 2025	Jul. 02, 2025	Radiation (03CH05-KS)
Amplifier	EM	EM18G40GA	060851	18~40GHz	Jan. 02, 2025	Jan. 05, 2025	Jan. 01, 2026	Radiation (03CH05-KS)
high gain Amplifier	EM	EM01G18GA	060843	1Ghz-18Ghz	Jan. 02, 2025	Jan. 05, 2025	Jan. 01, 2026	Radiation (03CH05-KS)
Amplifier	EM	EM01G18GA	060833	1Ghz-18Ghz	Jan. 02, 2025	Jan. 05, 2025	Jan. 01, 2026	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Jan. 05, 2025	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 05, 2025	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 05, 2025	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 18, 2024	Feb. 18, 2025	Apr. 17, 2025	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Aug. 20, 2024	Feb. 18, 2025	Aug. 19, 2025	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 18, 2024	Feb. 18, 2025	Apr. 17, 2025	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	AC 0V~300V, 45Hz~1000Hz	Oct. 09, 2024	Feb. 18, 2025	Oct. 08, 2025	Conduction (CO01-KS)

NCR: No Calibration Required



5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Conducted Power Spectral Density	±0.90 dB
Frequency	±0.04 ppm

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.84 dB
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Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.30 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.02 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.22 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.34 dB
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----- THE END -----



Appendix A. Conducted Test Results



DTS Bandwidth

Test Result

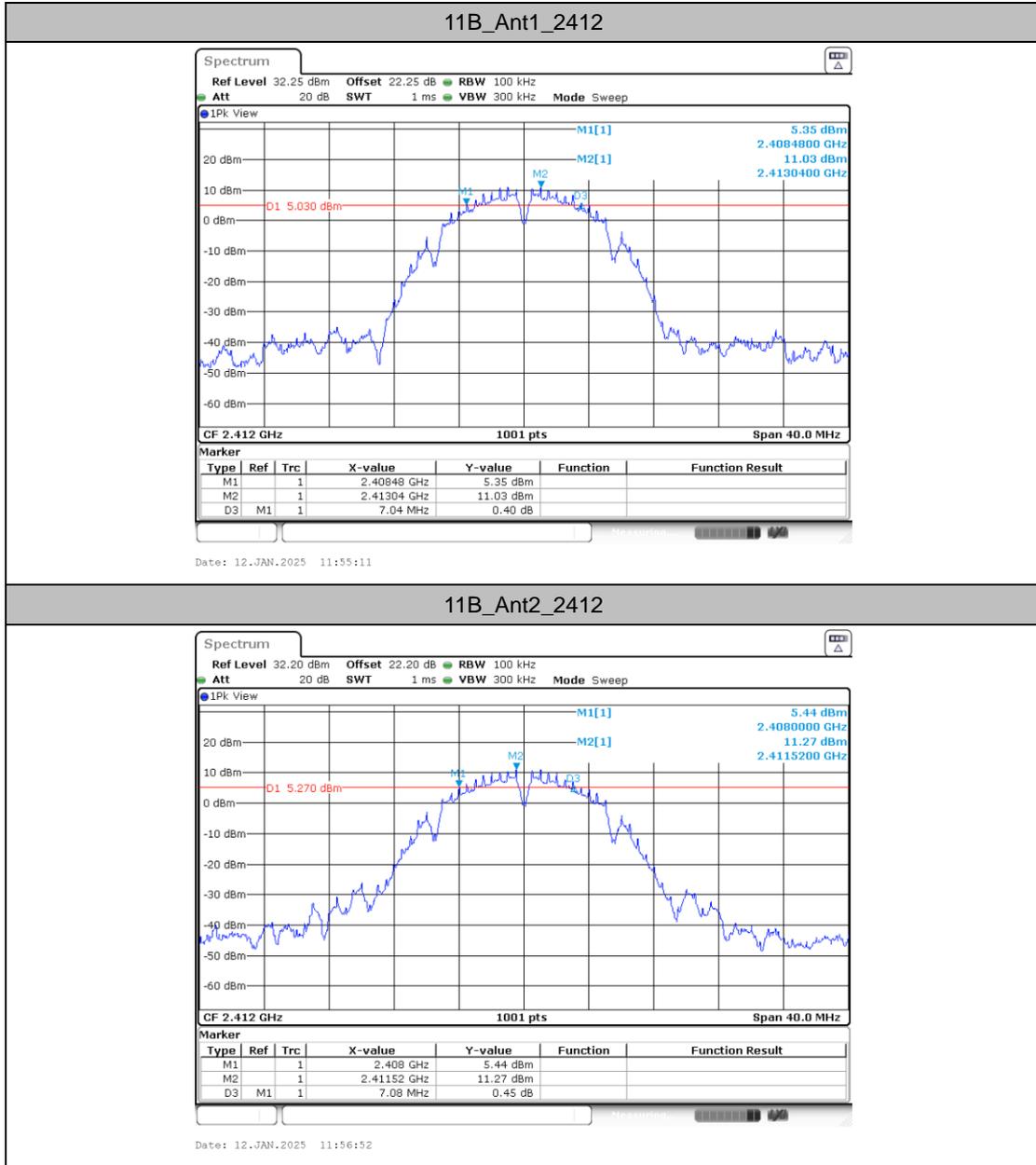
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.04	2408.48	2415.52	0.5	PASS
	Ant2	2412	7.08	2408.00	2415.08	0.5	PASS
	Ant1	2437	7.08	2433.48	2440.56	0.5	PASS
	Ant2	2437	7.52	2433.52	2441.04	0.5	PASS
	Ant1	2462	7.56	2458.48	2466.04	0.5	PASS
	Ant2	2462	7.12	2458.44	2465.56	0.5	PASS
11G-CDD	Ant1	2412	16.36	2403.84	2420.20	0.5	PASS
	Ant2	2412	16.40	2403.80	2420.20	0.5	PASS
	Ant1	2417	16.36	2408.84	2425.20	0.5	PASS
	Ant2	2417	16.40	2408.80	2425.20	0.5	PASS
	Ant1	2437	16.36	2428.84	2445.20	0.5	PASS
	Ant2	2437	16.40	2428.84	2445.24	0.5	PASS
	Ant1	2447	16.44	2438.84	2455.28	0.5	PASS
	Ant2	2447	16.32	2438.88	2455.20	0.5	PASS
	Ant1	2452	16.40	2443.84	2460.24	0.5	PASS
	Ant2	2452	16.36	2443.84	2460.20	0.5	PASS
	Ant1	2457	16.44	2448.84	2465.28	0.5	PASS
	Ant2	2457	16.40	2448.80	2465.20	0.5	PASS
	Ant1	2462	16.36	2453.84	2470.20	0.5	PASS
	Ant2	2462	16.36	2453.84	2470.20	0.5	PASS
11N20MIMO	Ant1	2412	17.56	2403.24	2420.80	0.5	PASS
	Ant2	2412	17.60	2403.20	2420.80	0.5	PASS
	Ant1	2417	17.60	2408.20	2425.80	0.5	PASS
	Ant2	2417	17.60	2408.20	2425.80	0.5	PASS
	Ant1	2437	17.60	2428.20	2445.80	0.5	PASS
	Ant2	2437	17.60	2428.24	2445.84	0.5	PASS
	Ant1	2442	17.56	2433.24	2450.80	0.5	PASS
	Ant2	2442	17.60	2433.20	2450.80	0.5	PASS
	Ant1	2447	17.60	2438.24	2455.84	0.5	PASS
	Ant2	2447	17.60	2438.20	2455.80	0.5	PASS
	Ant1	2452	17.60	2443.24	2460.84	0.5	PASS
	Ant2	2452	17.60	2443.20	2460.80	0.5	PASS
	Ant1	2457	17.60	2448.24	2465.84	0.5	PASS

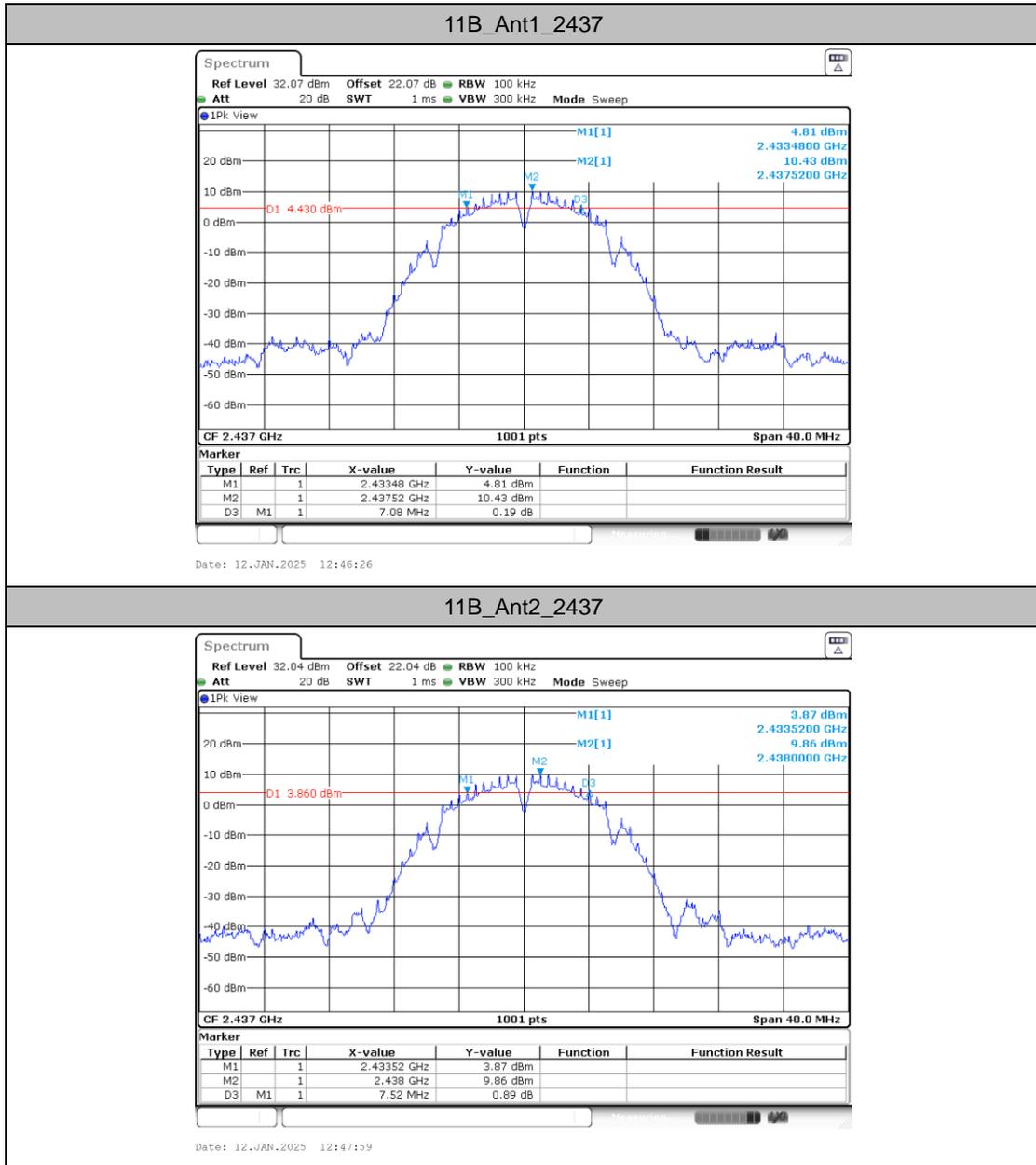


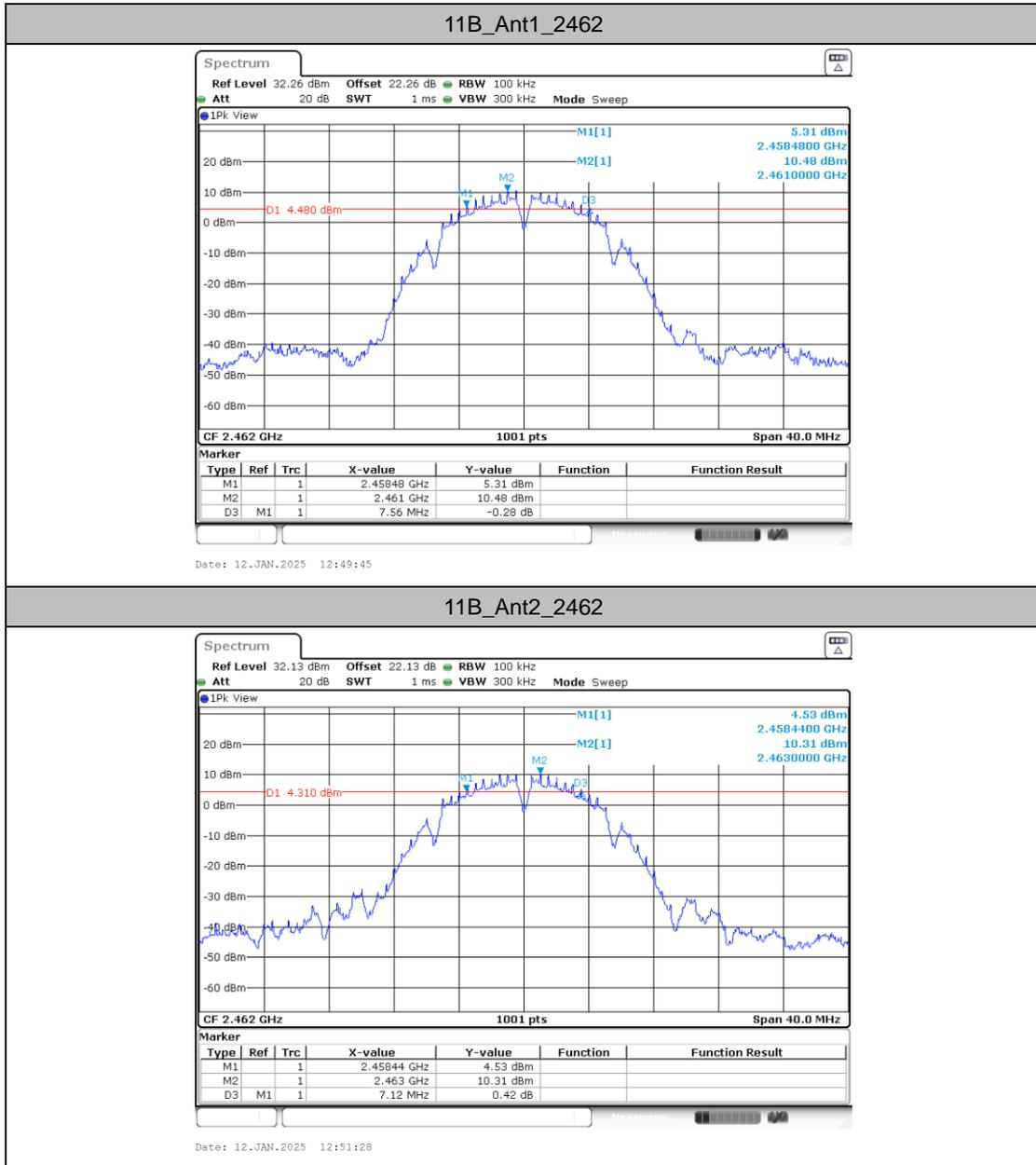
	Ant2	2457	17.60	2448.20	2465.80	0.5	PASS
	Ant1	2462	17.56	2453.24	2470.80	0.5	PASS
	Ant2	2462	17.60	2453.20	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	36.40	2403.84	2440.24	0.5	PASS
	Ant2	2422	36.40	2403.84	2440.24	0.5	PASS
	Ant1	2437	36.00	2419.24	2455.24	0.5	PASS
	Ant2	2437	36.40	2418.84	2455.24	0.5	PASS
	Ant1	2452	35.92	2434.24	2470.16	0.5	PASS
	Ant2	2452	36.32	2433.84	2470.16	0.5	PASS
11AX20MIMO	Ant1	2412	18.88	2402.56	2421.44	0.5	PASS
	Ant2	2412	18.72	2402.52	2421.24	0.5	PASS
	Ant1	2417	18.96	2407.56	2426.52	0.5	PASS
	Ant2	2417	19.12	2407.40	2426.52	0.5	PASS
	Ant1	2437	19.00	2427.56	2446.56	0.5	PASS
	Ant2	2437	18.72	2427.76	2446.48	0.5	PASS
	Ant1	2442	18.84	2432.68	2451.52	0.5	PASS
	Ant2	2442	18.24	2433.20	2451.44	0.5	PASS
	Ant1	2447	19.04	2437.56	2456.60	0.5	PASS
	Ant2	2447	18.56	2437.96	2456.52	0.5	PASS
	Ant1	2452	18.96	2442.56	2461.52	0.5	PASS
	Ant2	2452	18.72	2442.64	2461.36	0.5	PASS
	Ant1	2457	19.12	2447.48	2466.60	0.5	PASS
	Ant2	2457	18.96	2447.52	2466.48	0.5	PASS
	Ant1	2462	18.96	2452.56	2471.52	0.5	PASS
	Ant2	2462	19.00	2452.52	2471.52	0.5	PASS
11AX40MIMO	Ant1	2422	37.76	2403.20	2440.96	0.5	PASS
	Ant2	2422	37.52	2403.20	2440.72	0.5	PASS
	Ant1	2437	37.36	2418.60	2455.96	0.5	PASS
	Ant2	2437	37.60	2418.20	2455.80	0.5	PASS
	Ant1	2452	37.36	2433.52	2470.88	0.5	PASS
	Ant2	2452	37.60	2433.20	2470.80	0.5	PASS

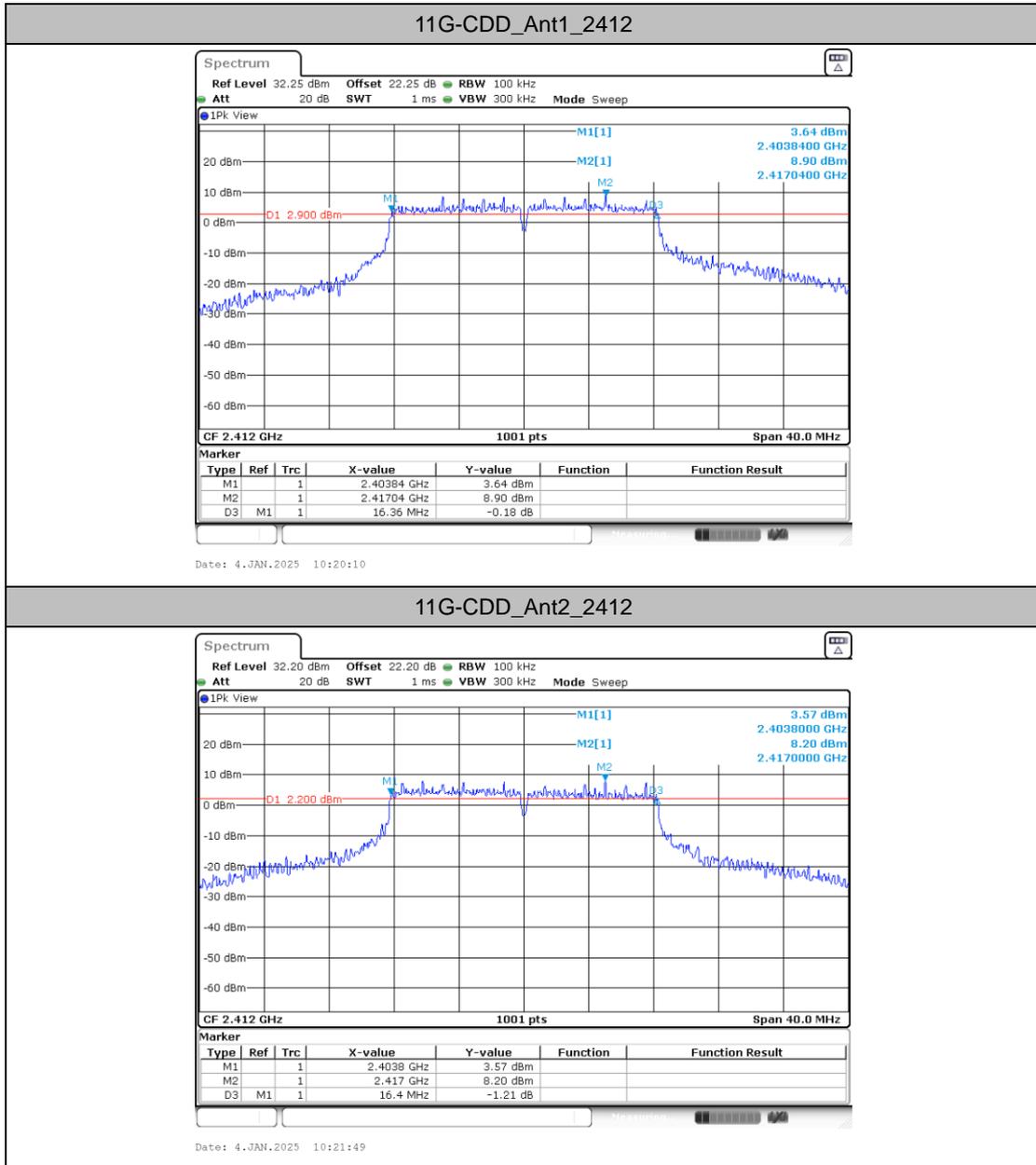


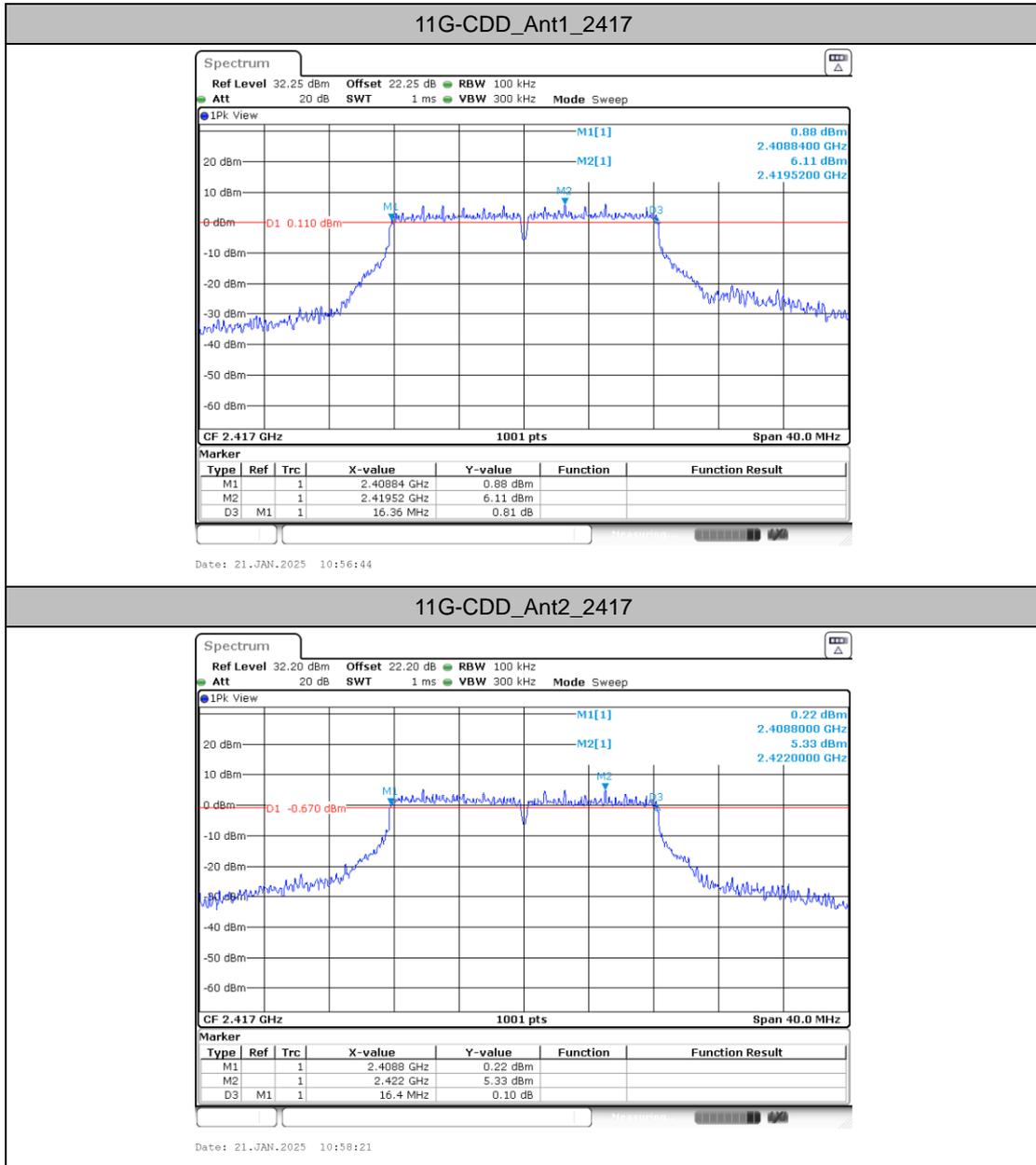
Test Graphs

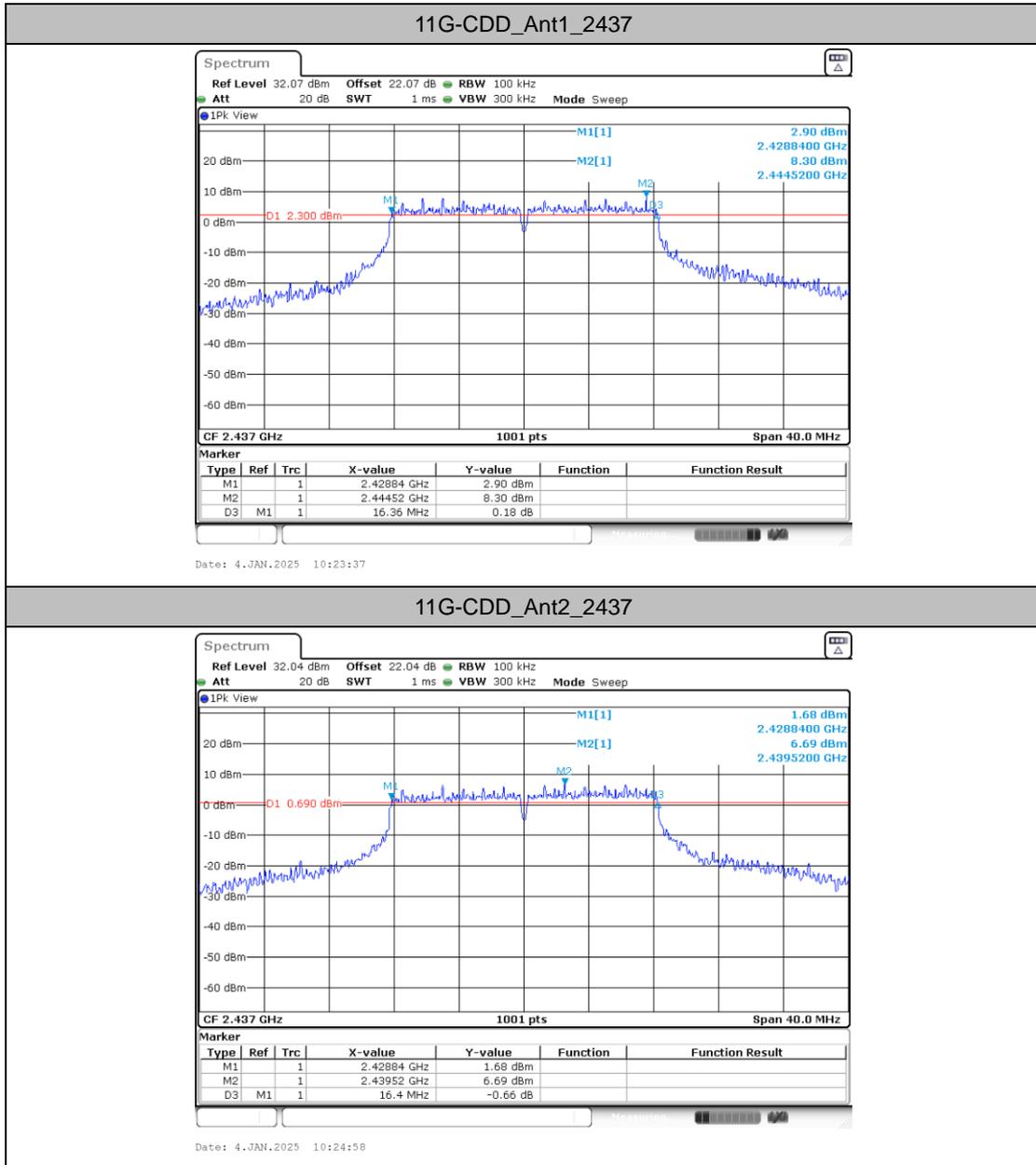


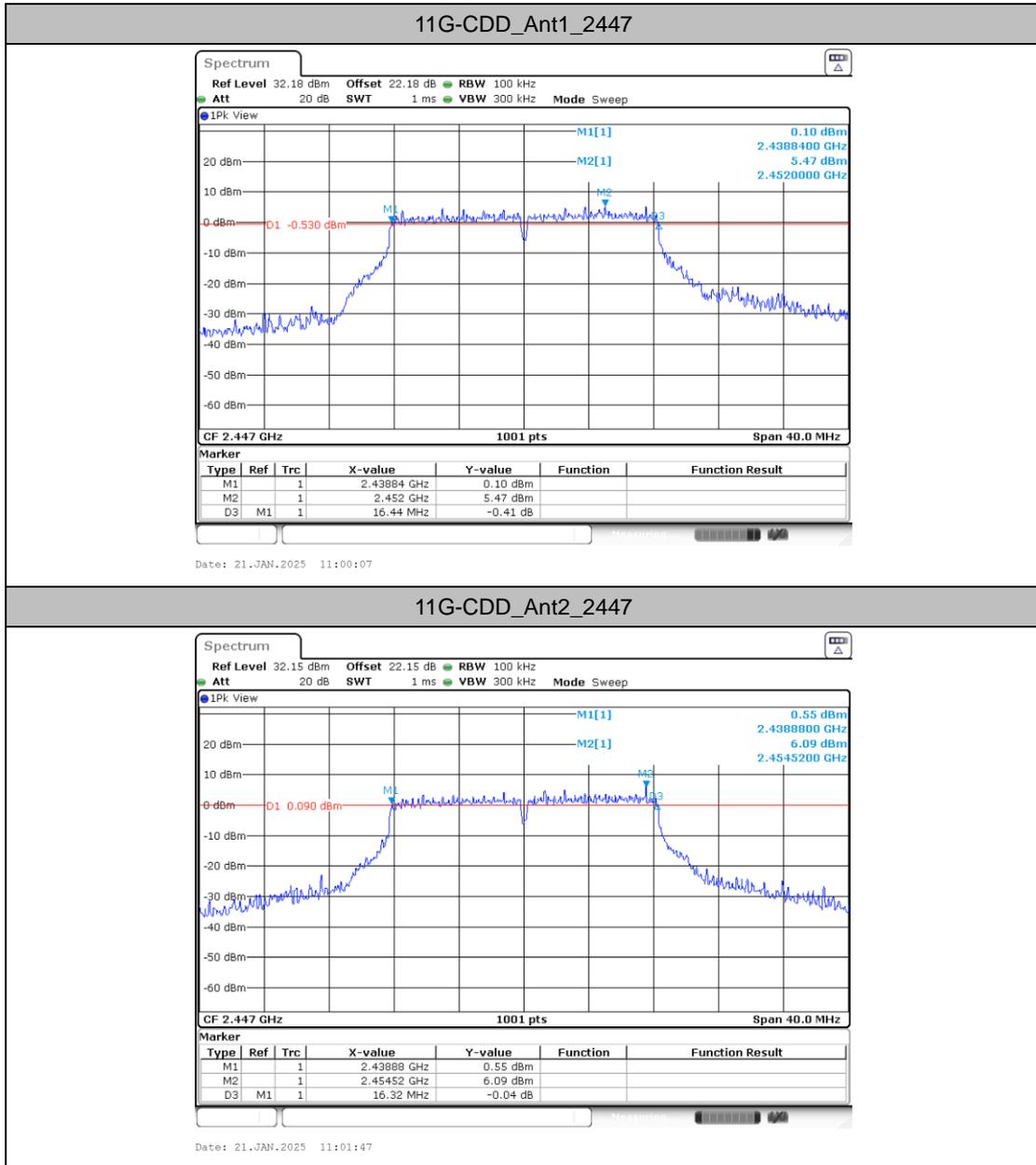


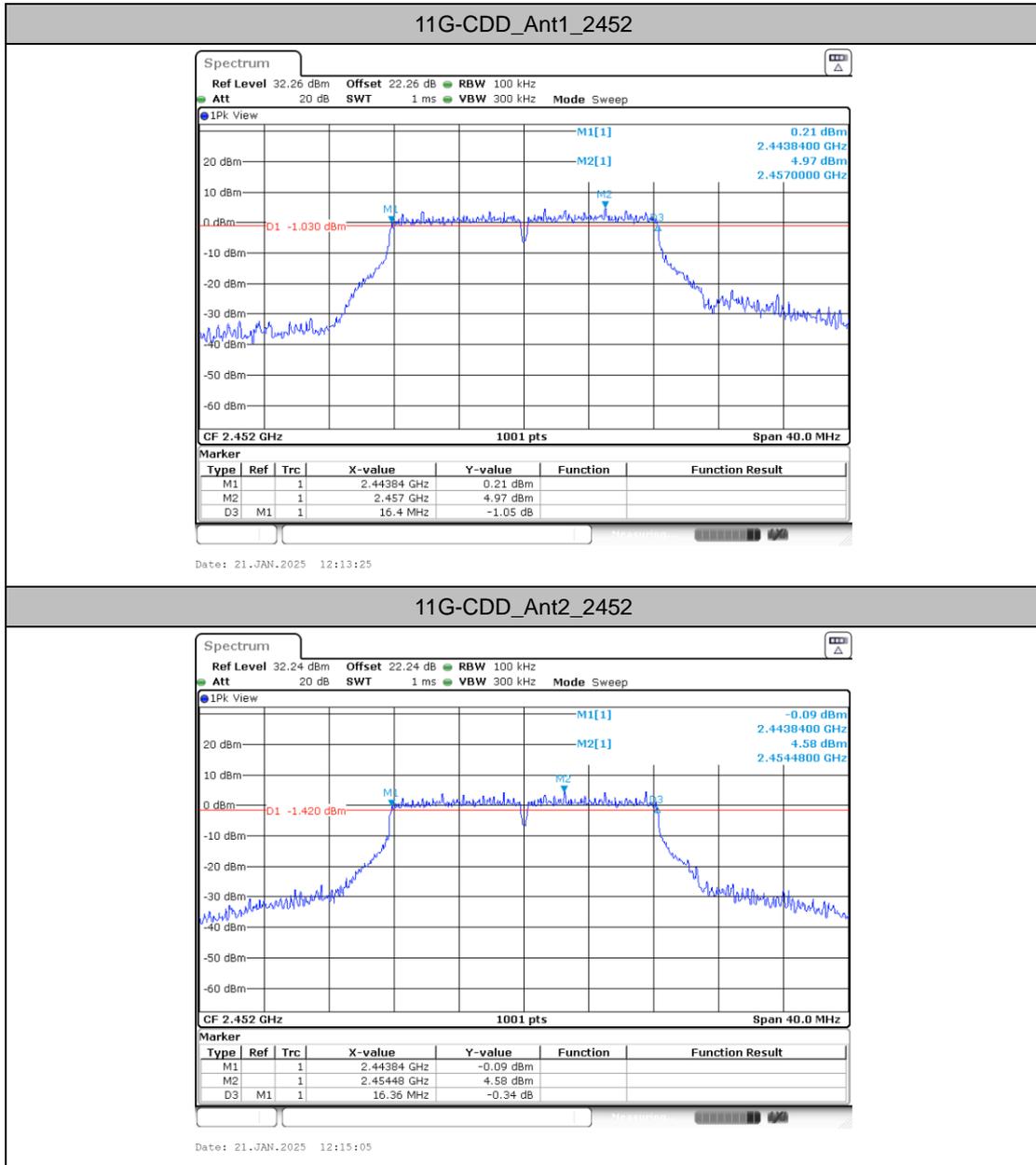


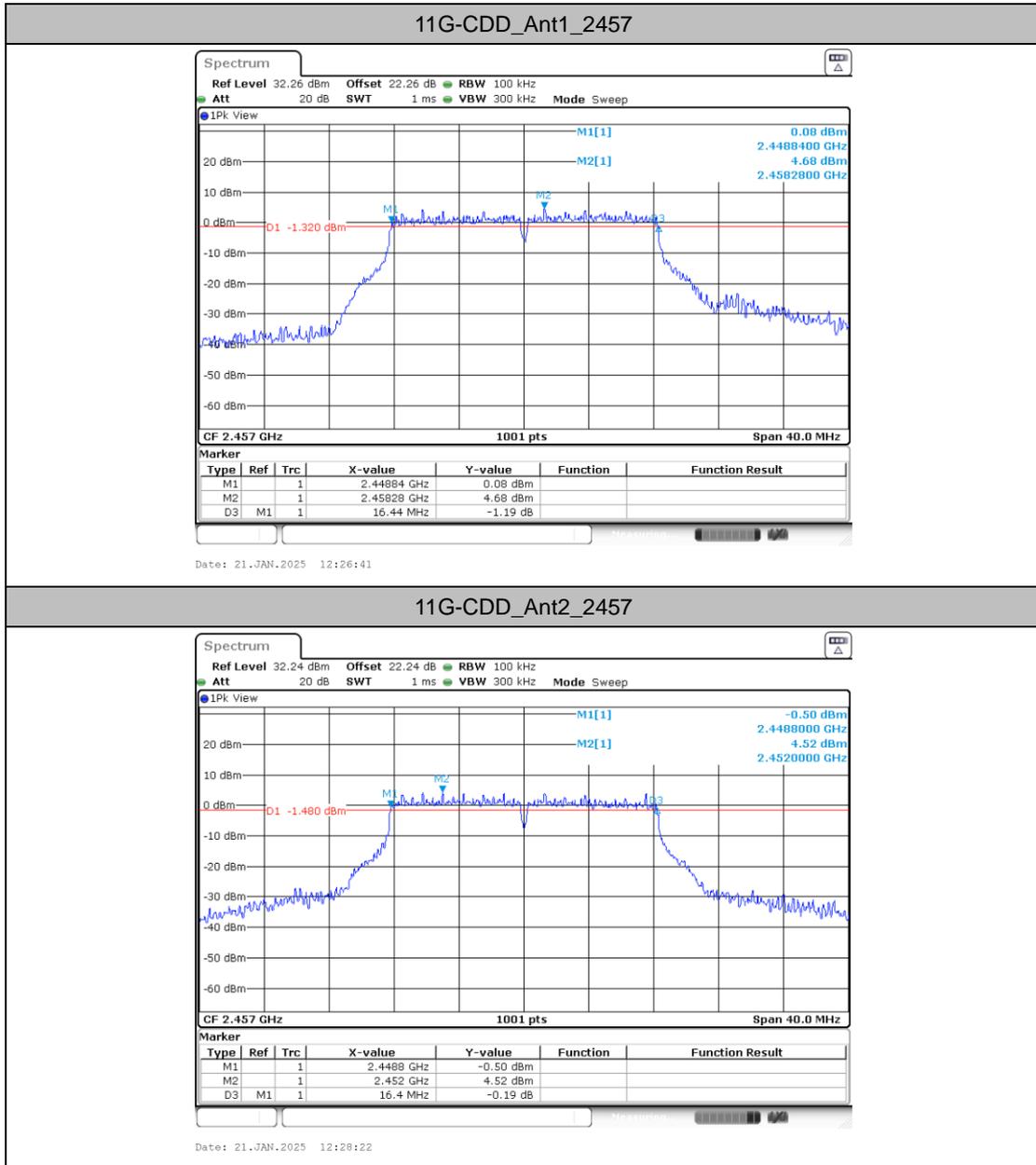


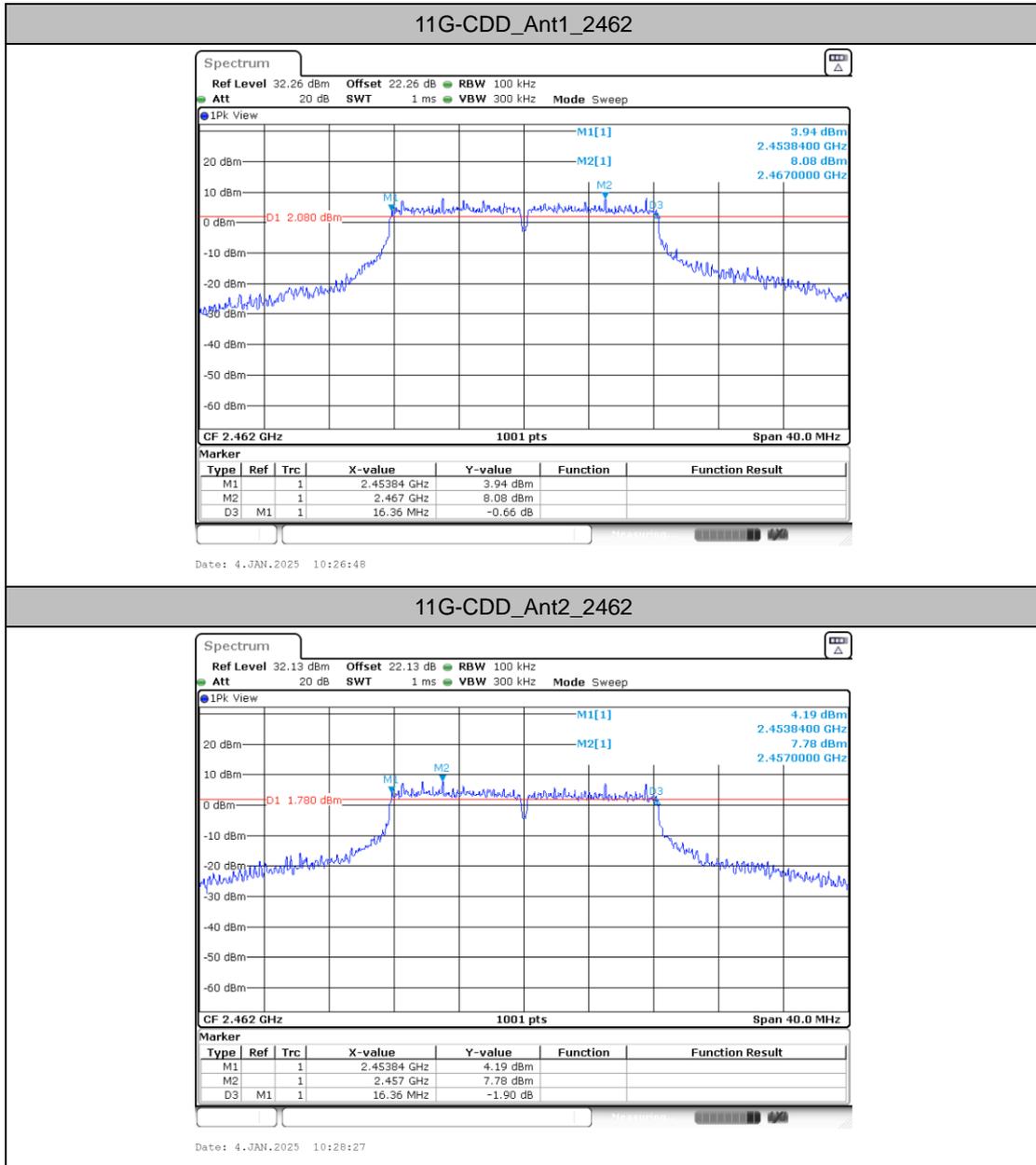


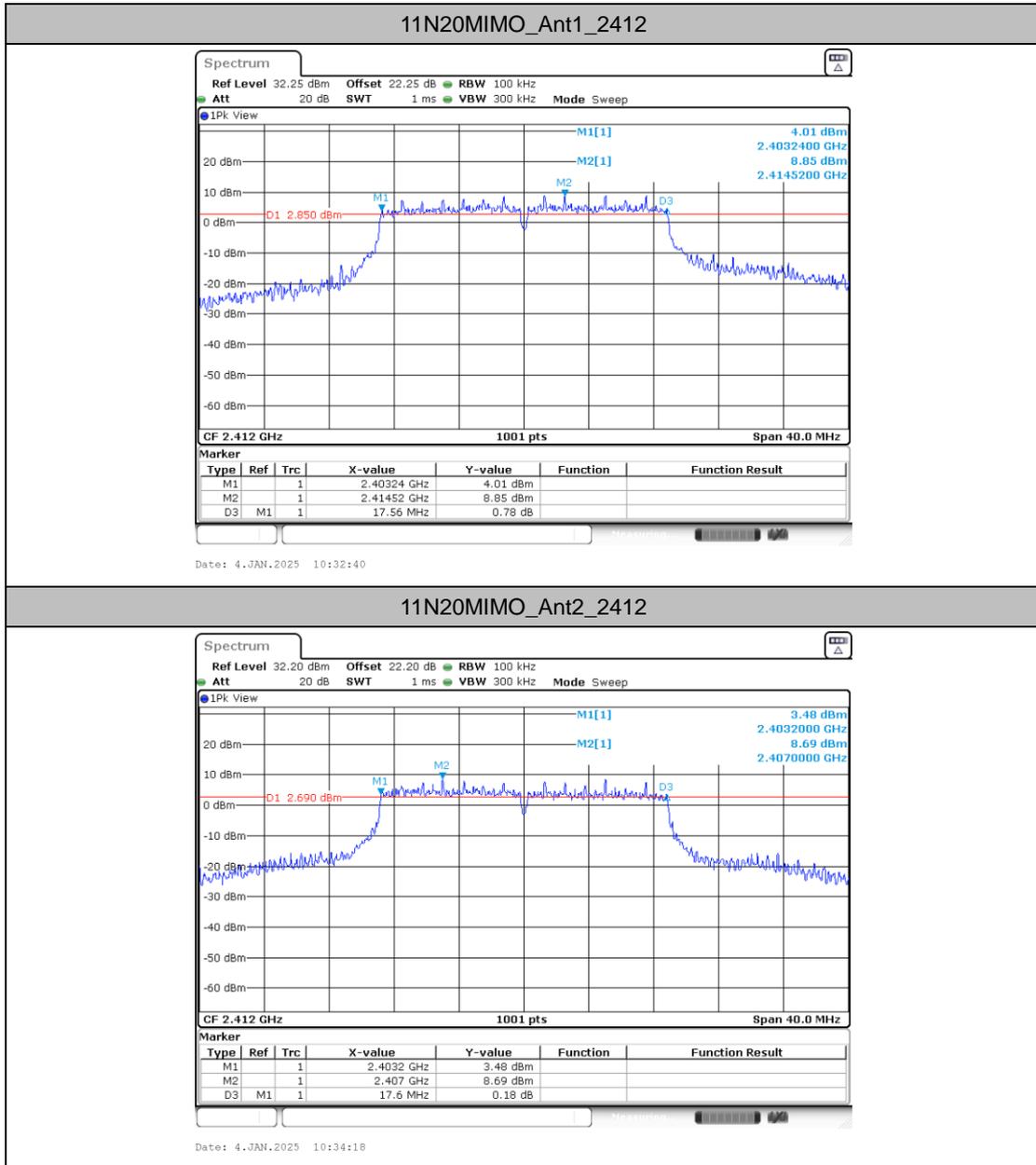


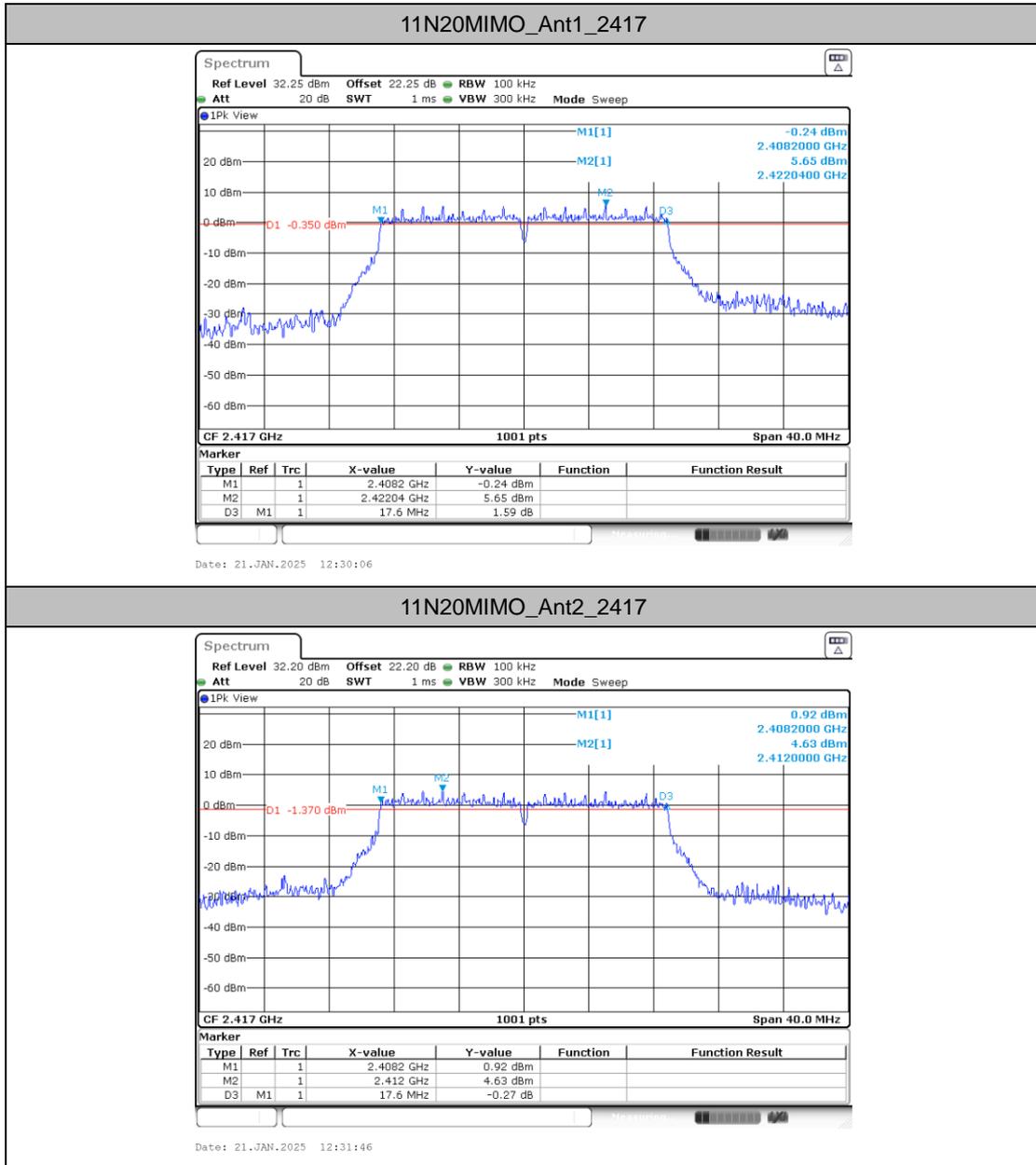


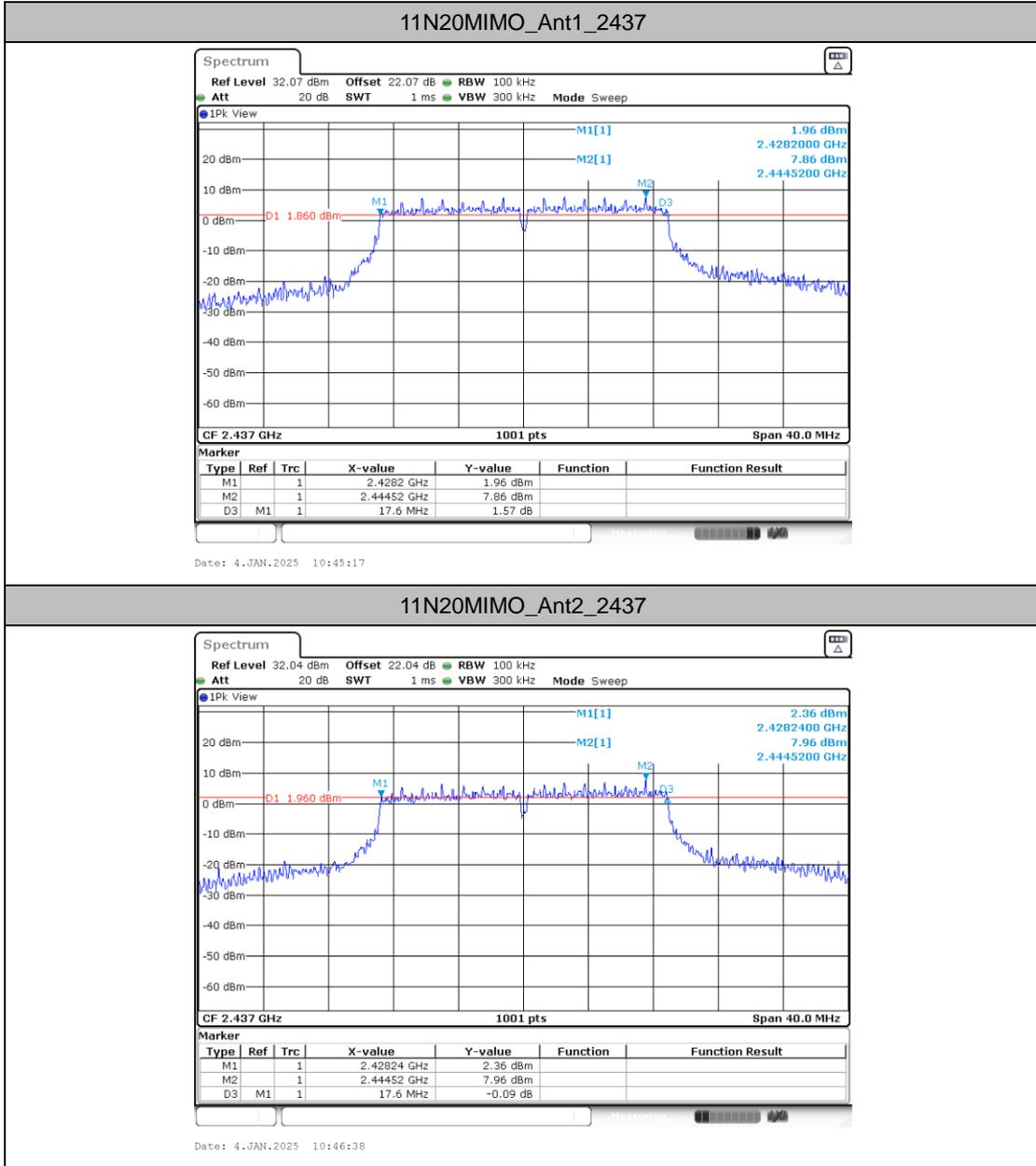


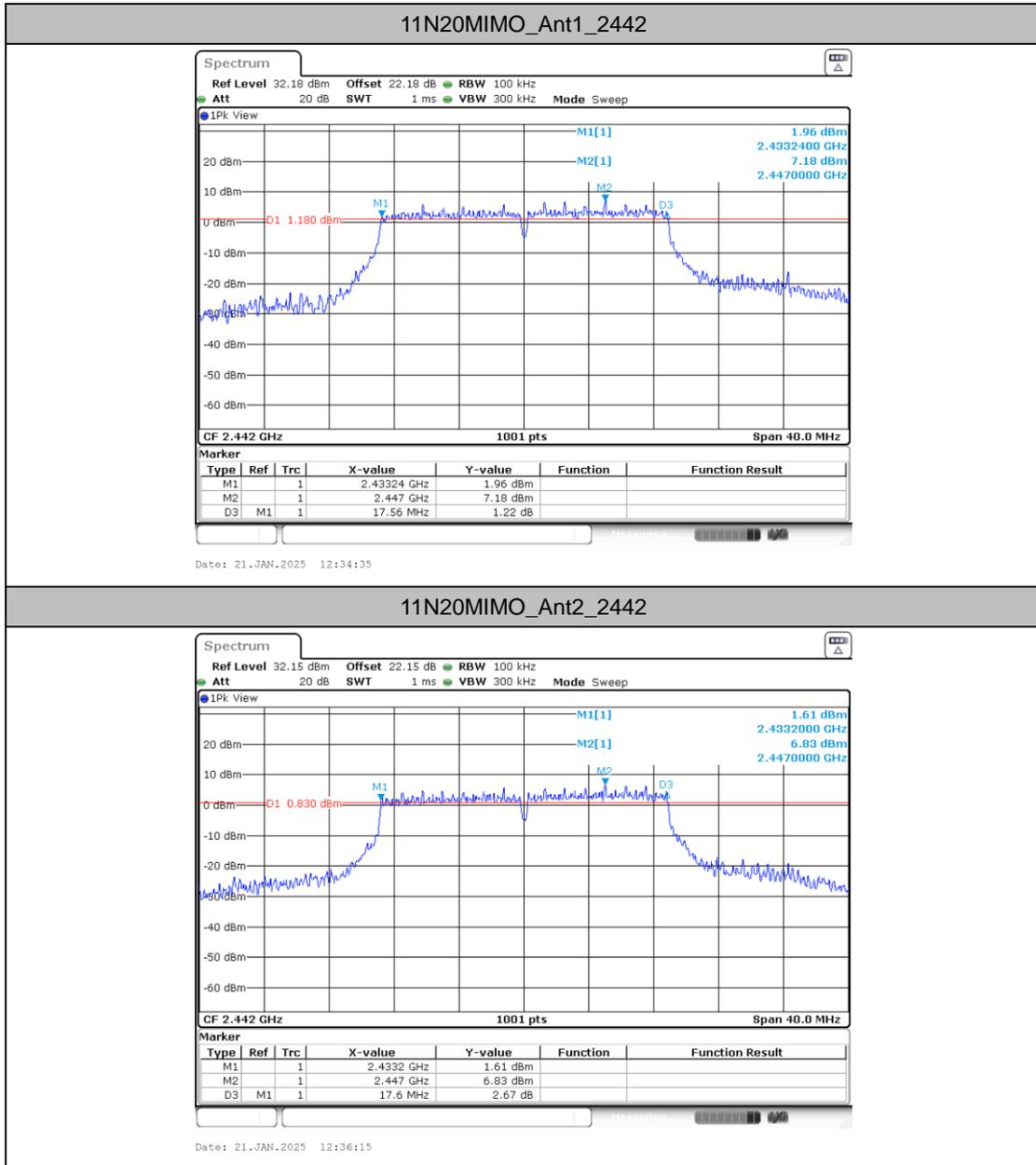


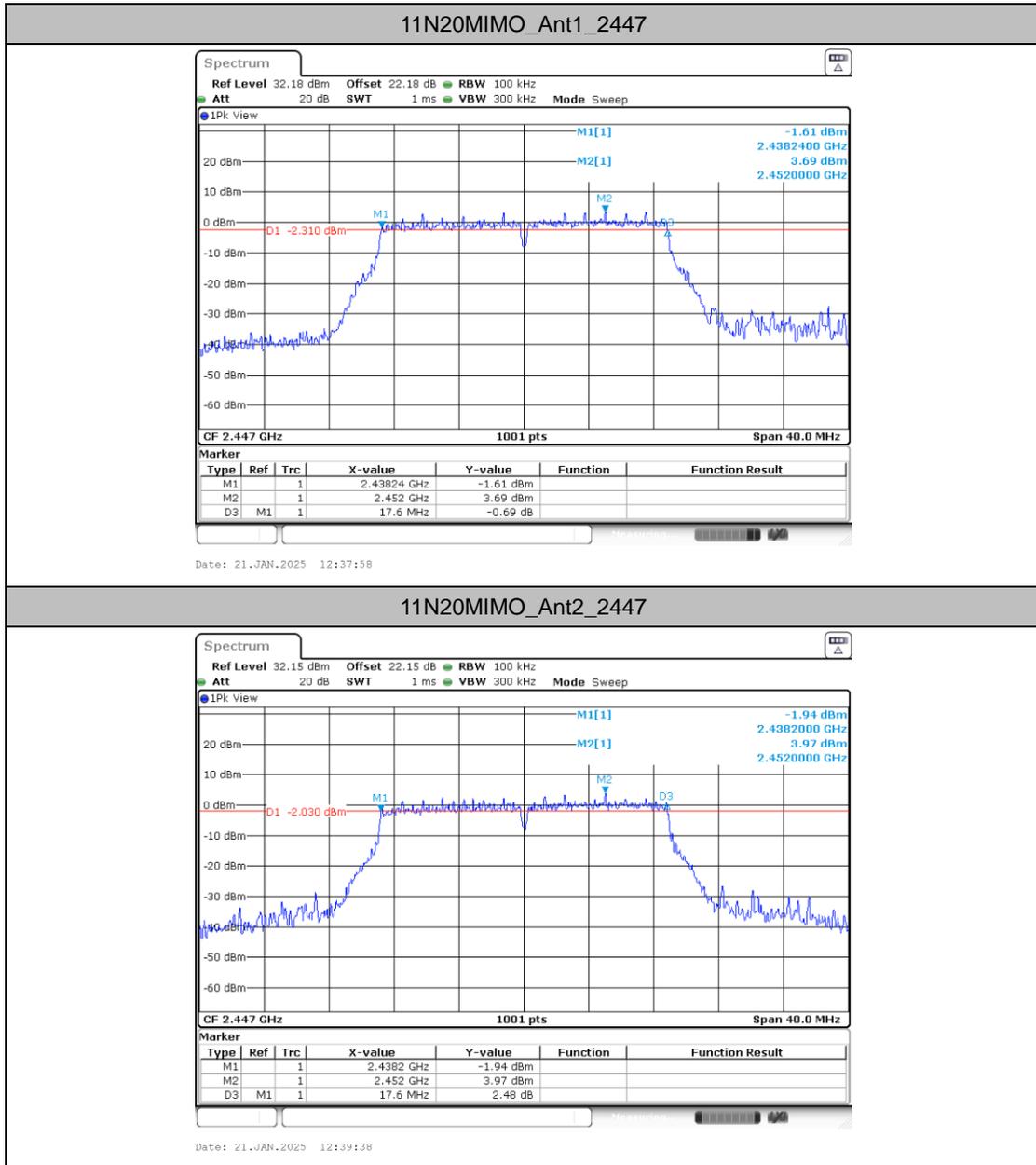


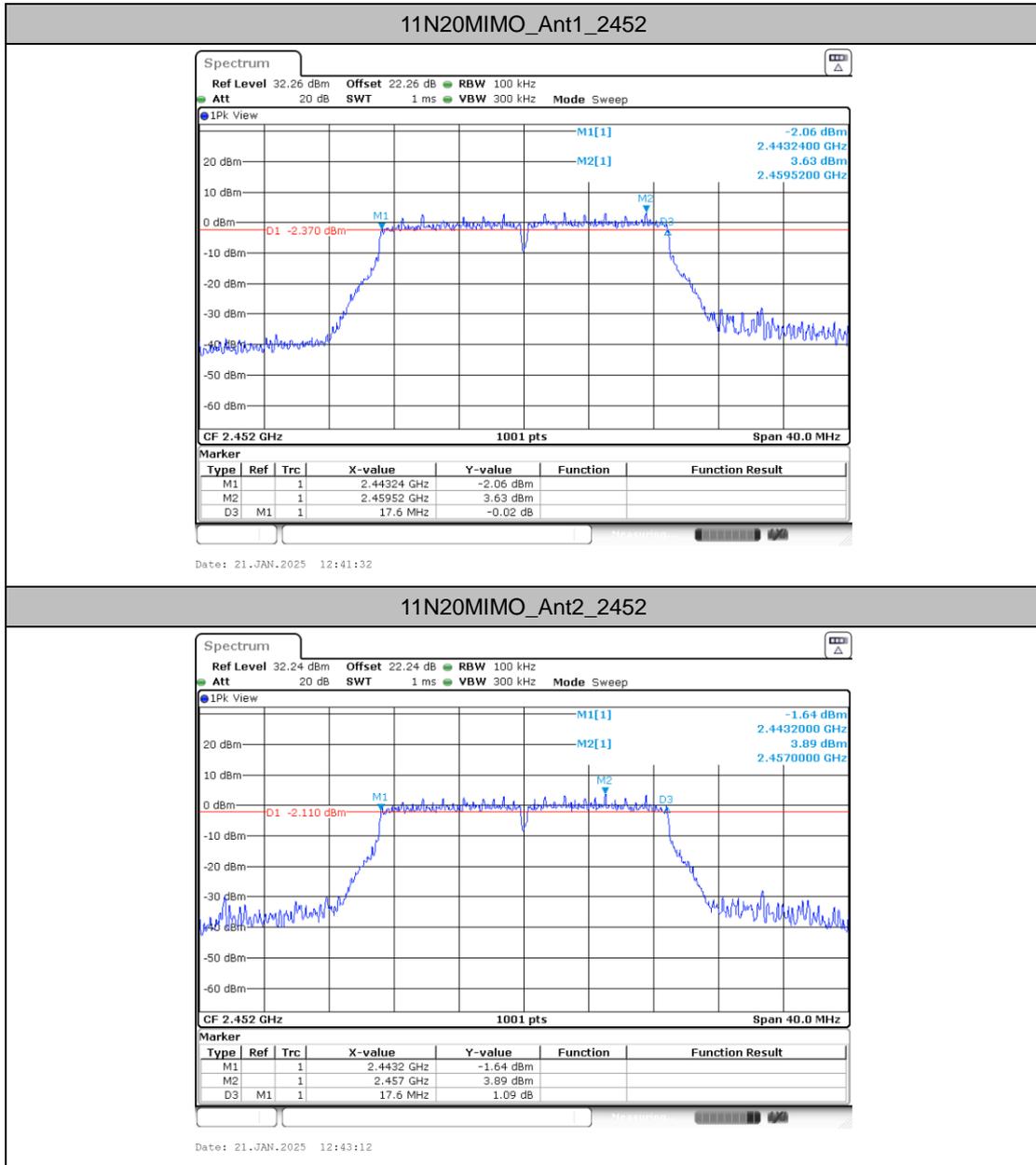


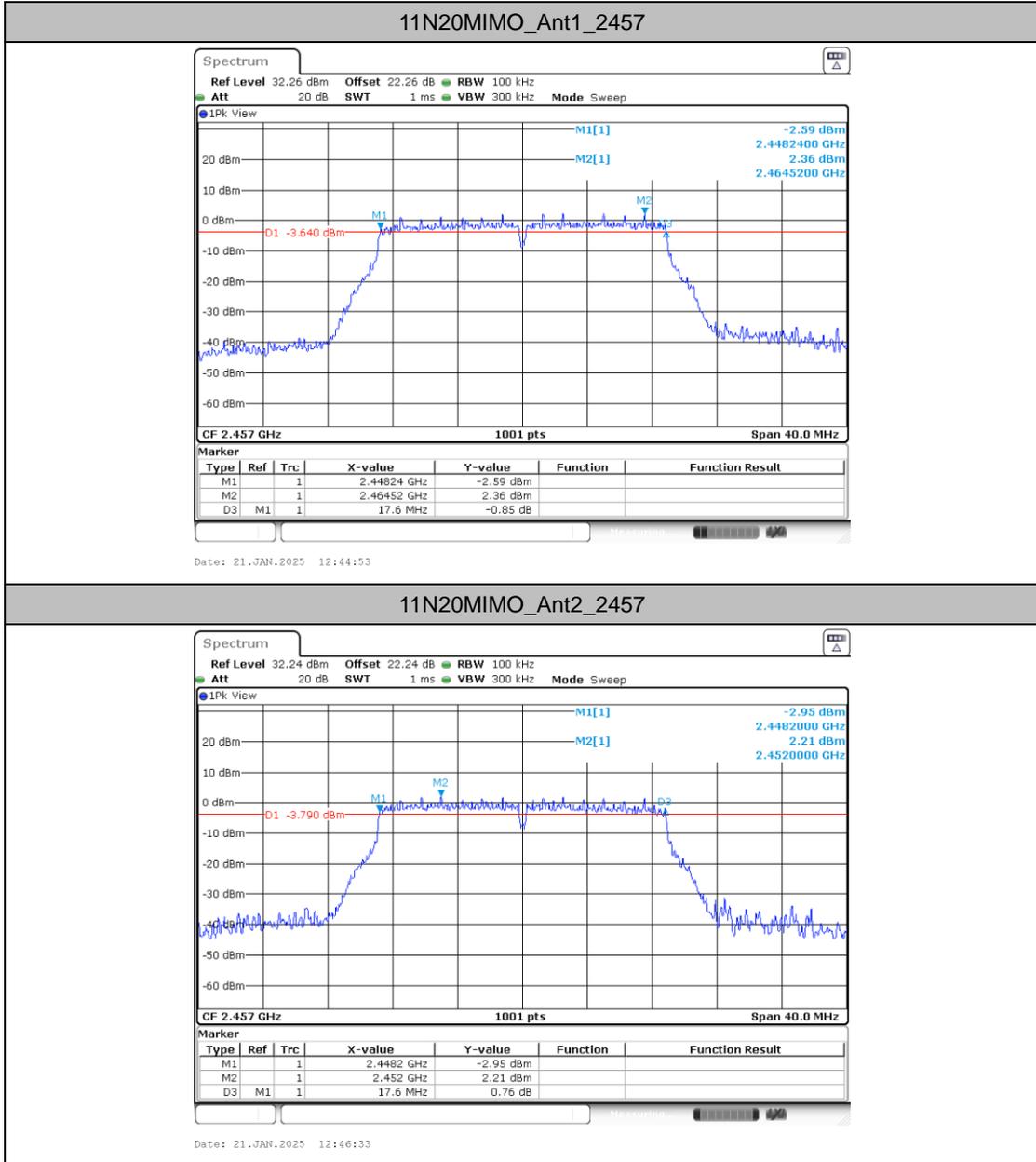


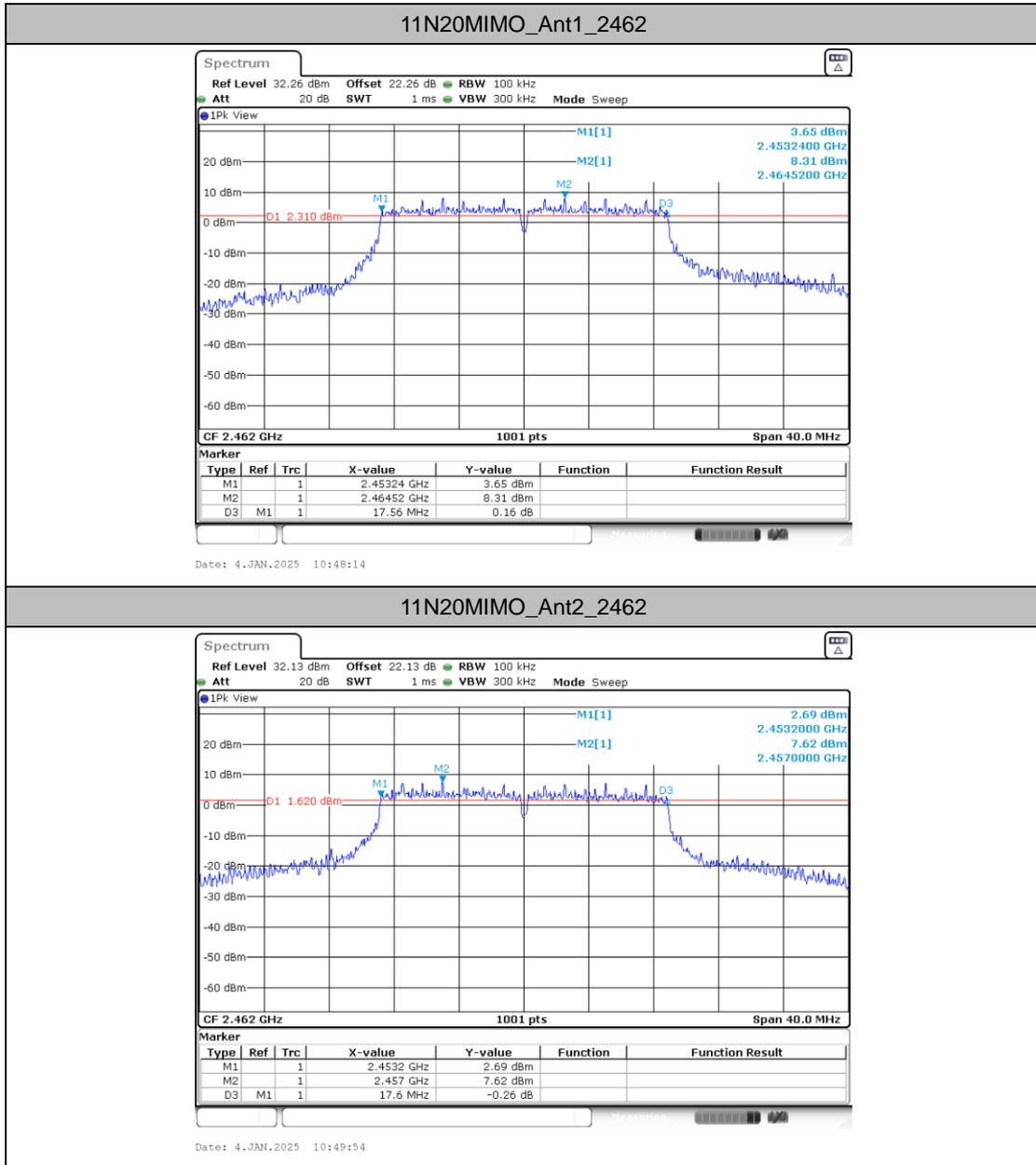


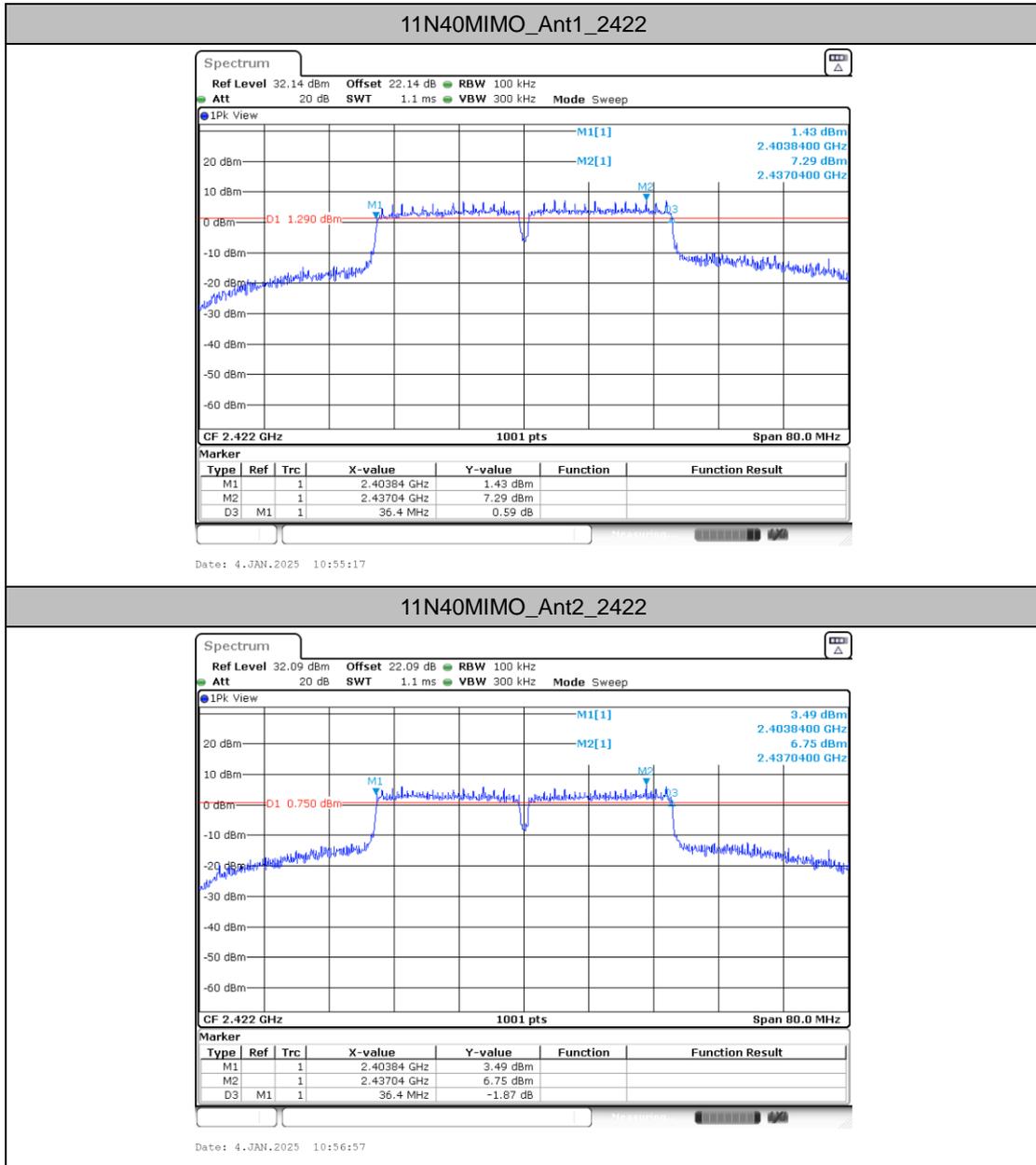


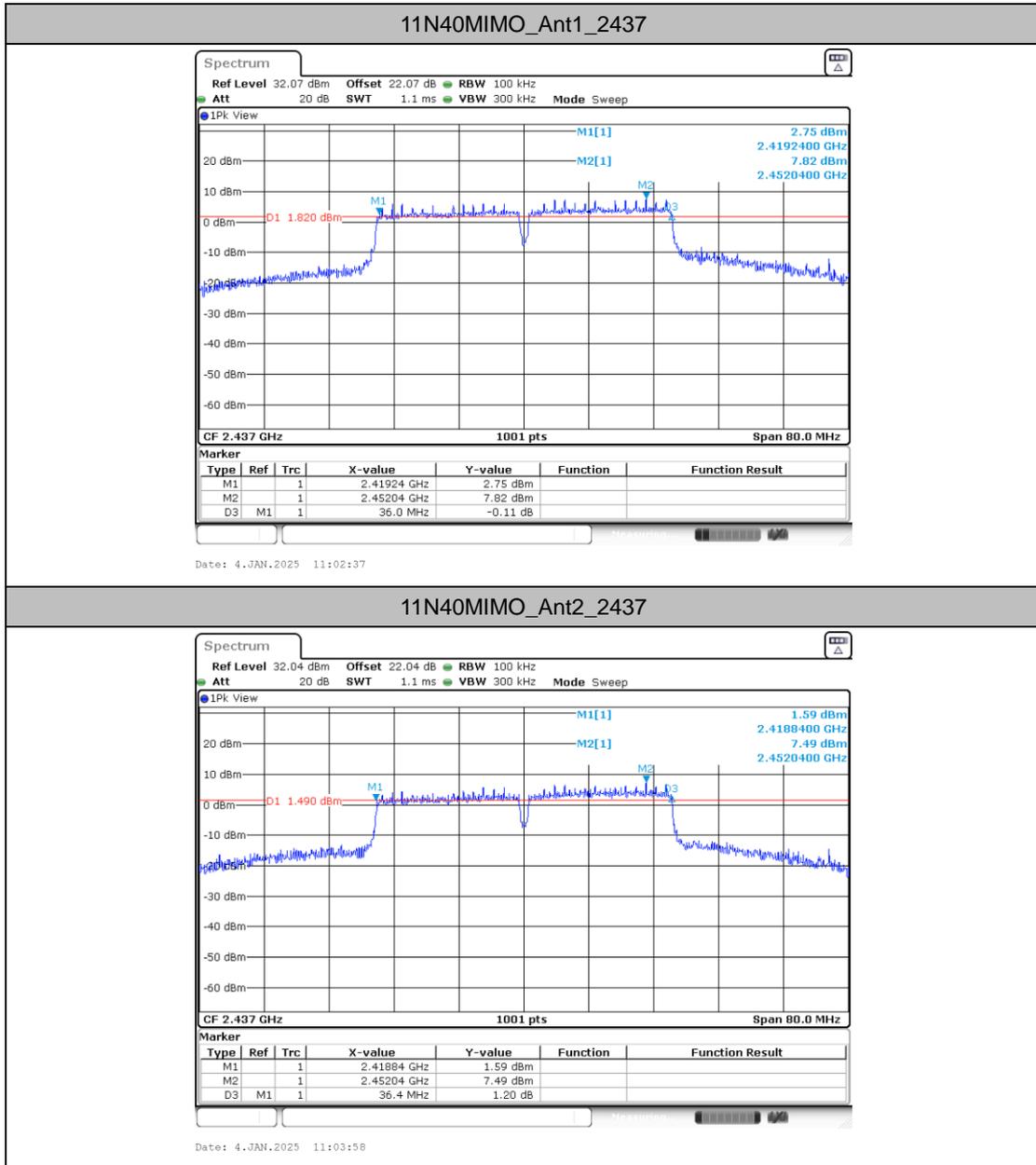


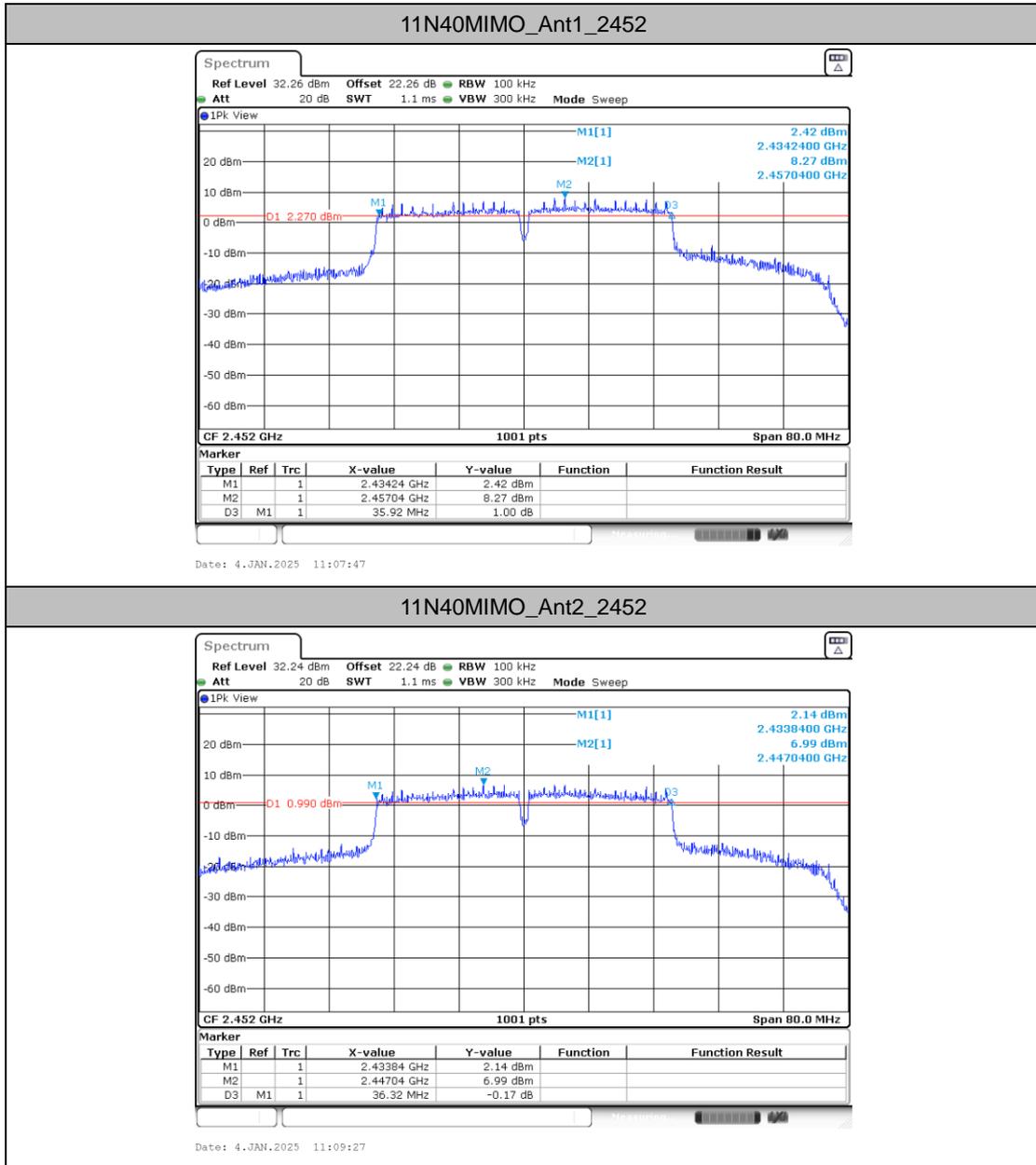


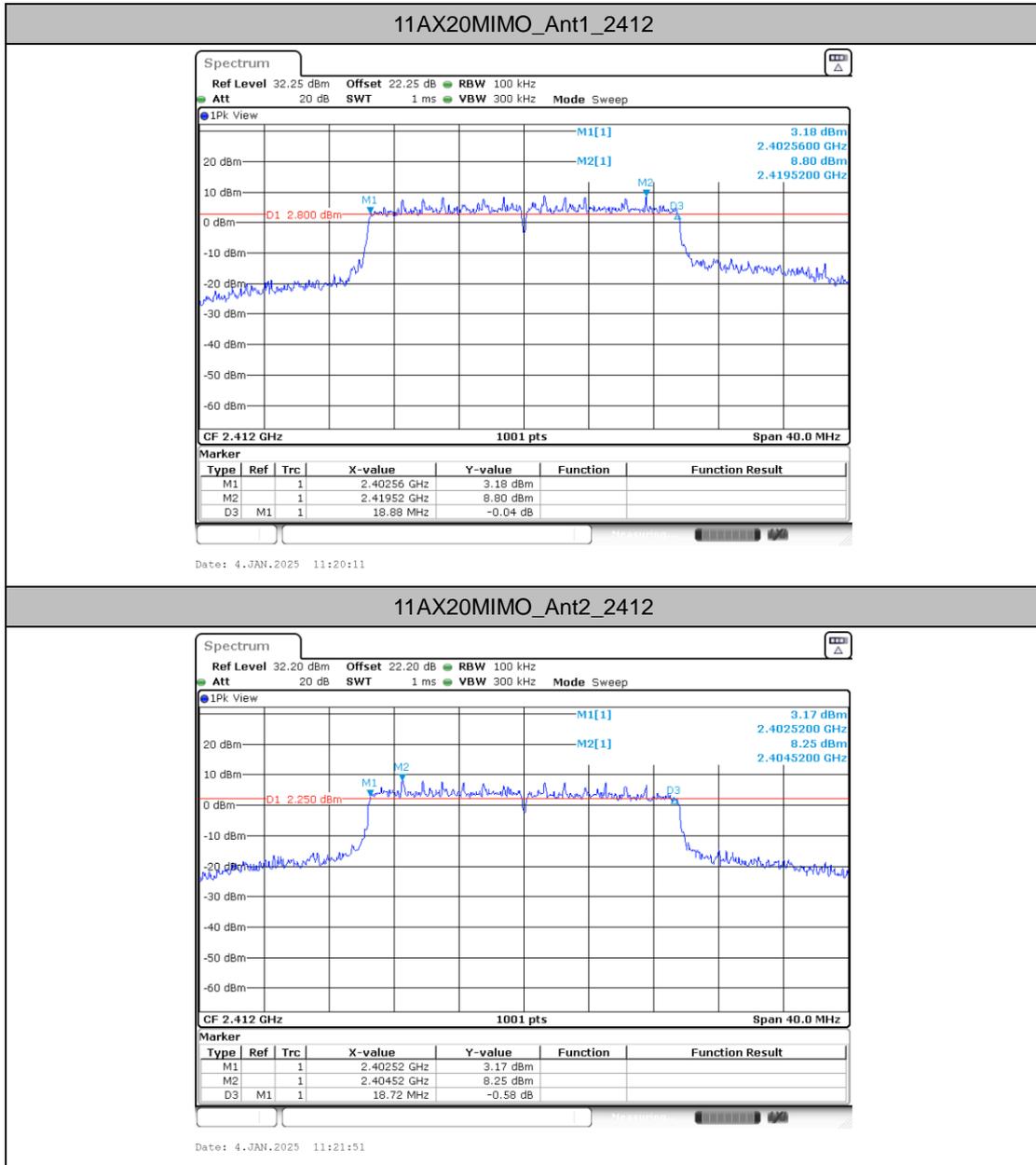


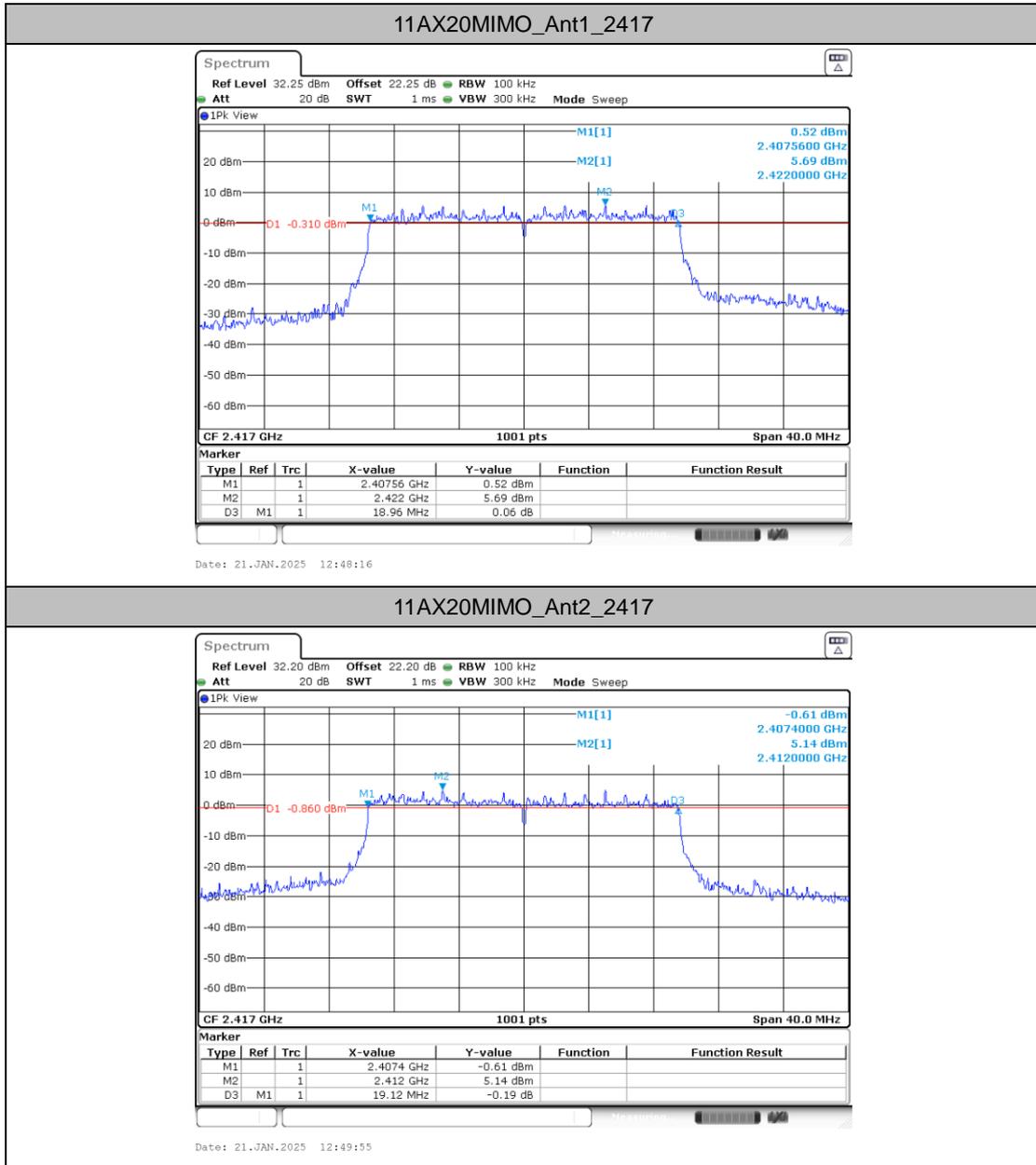


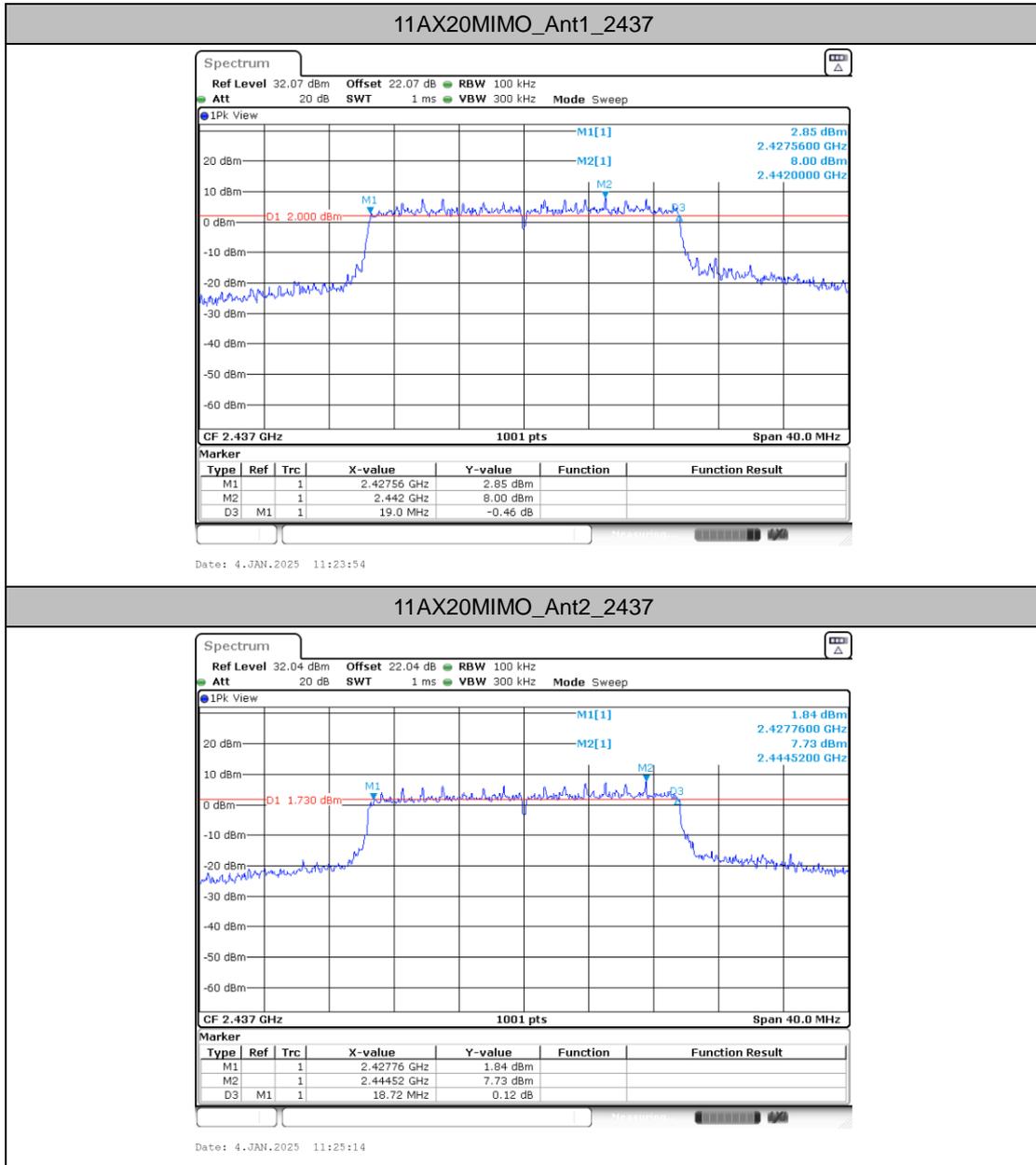


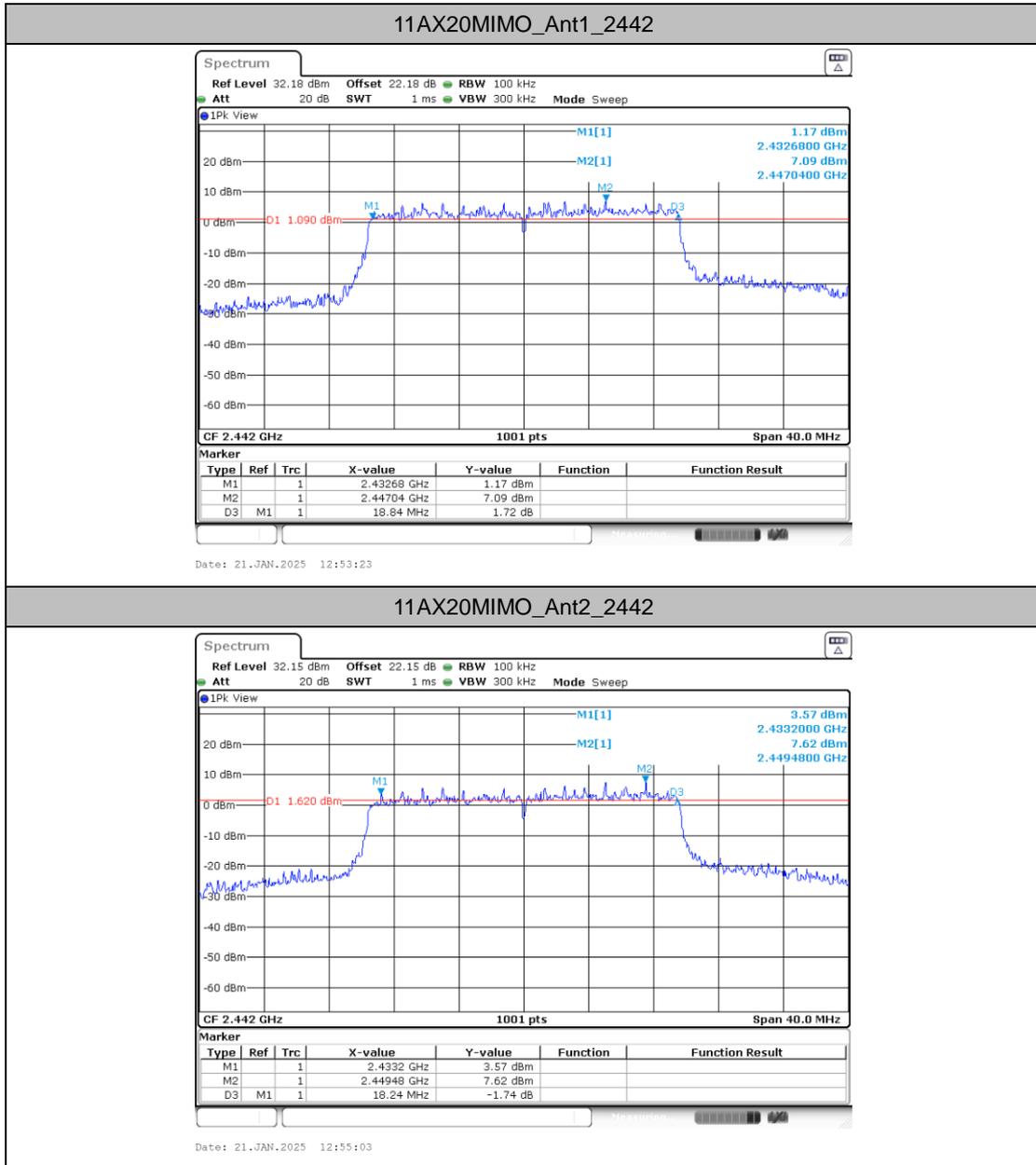


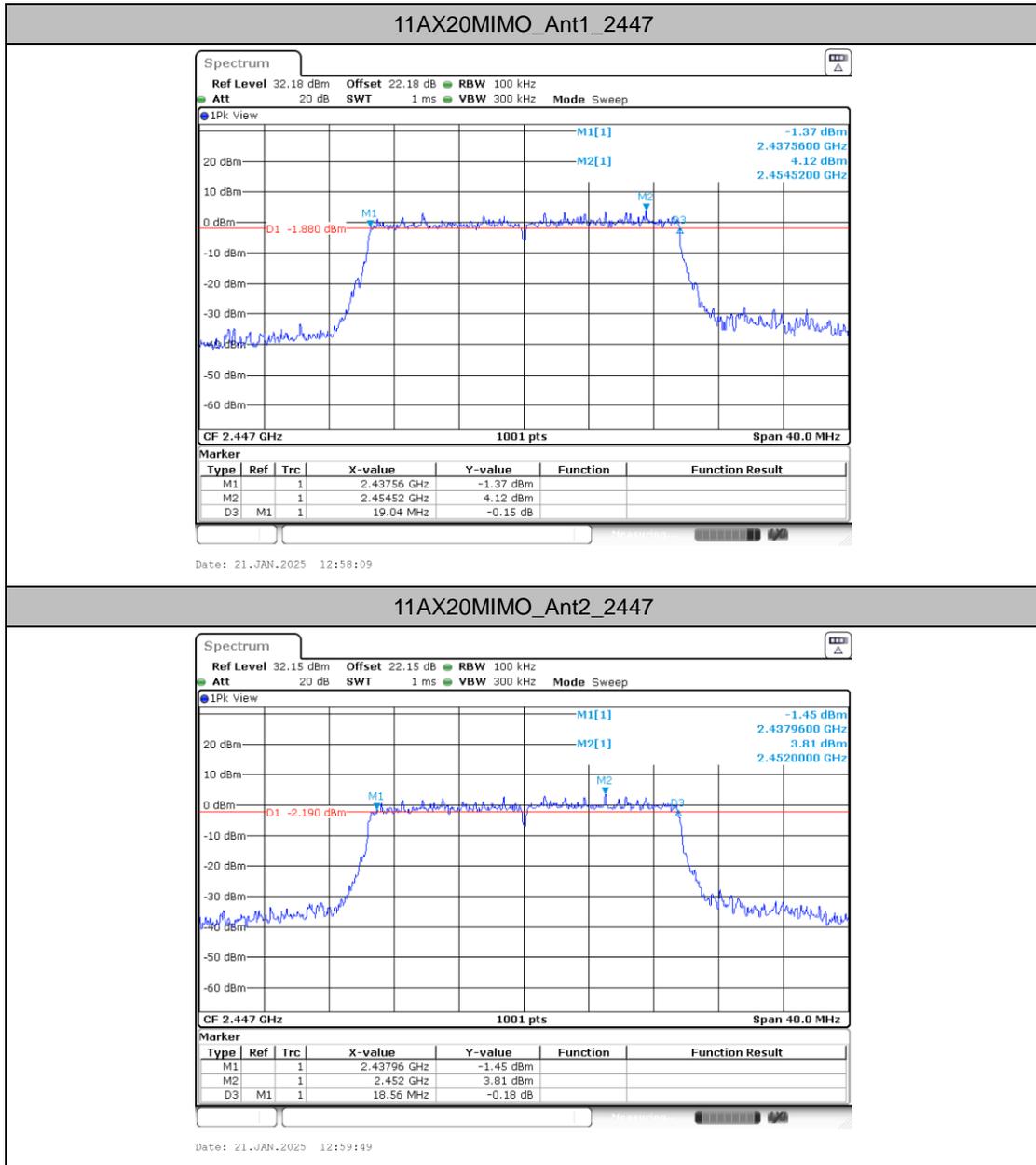


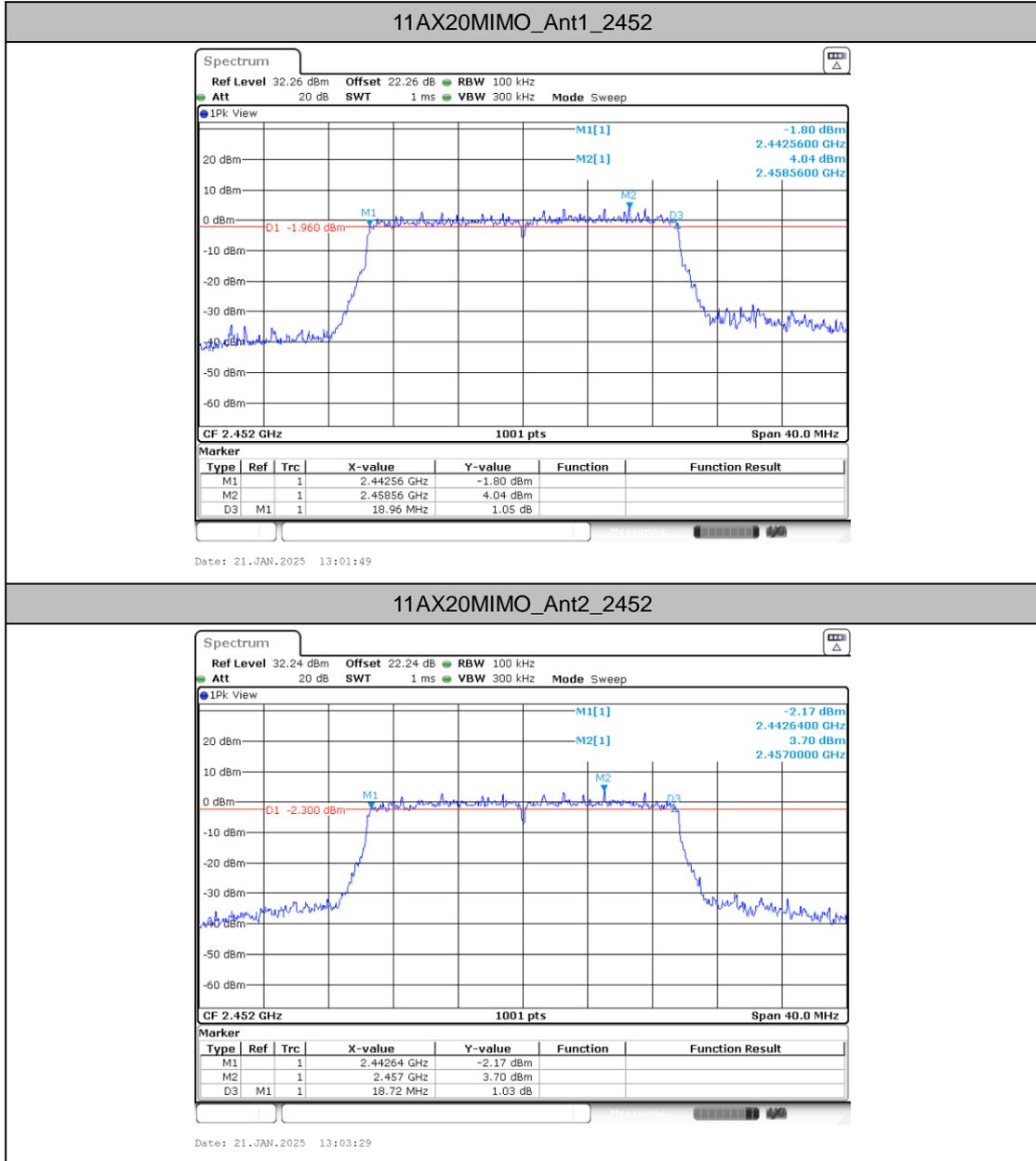


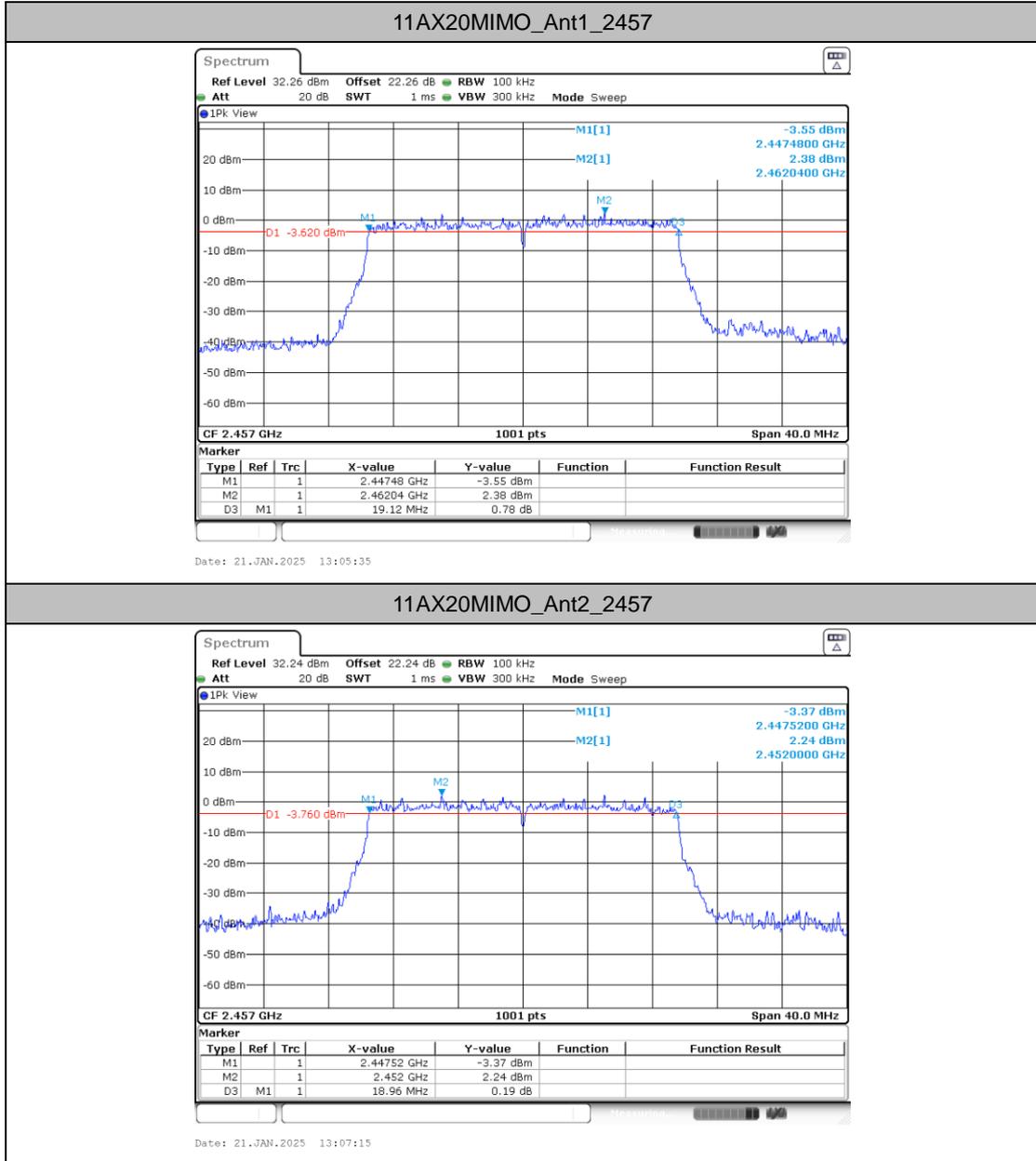


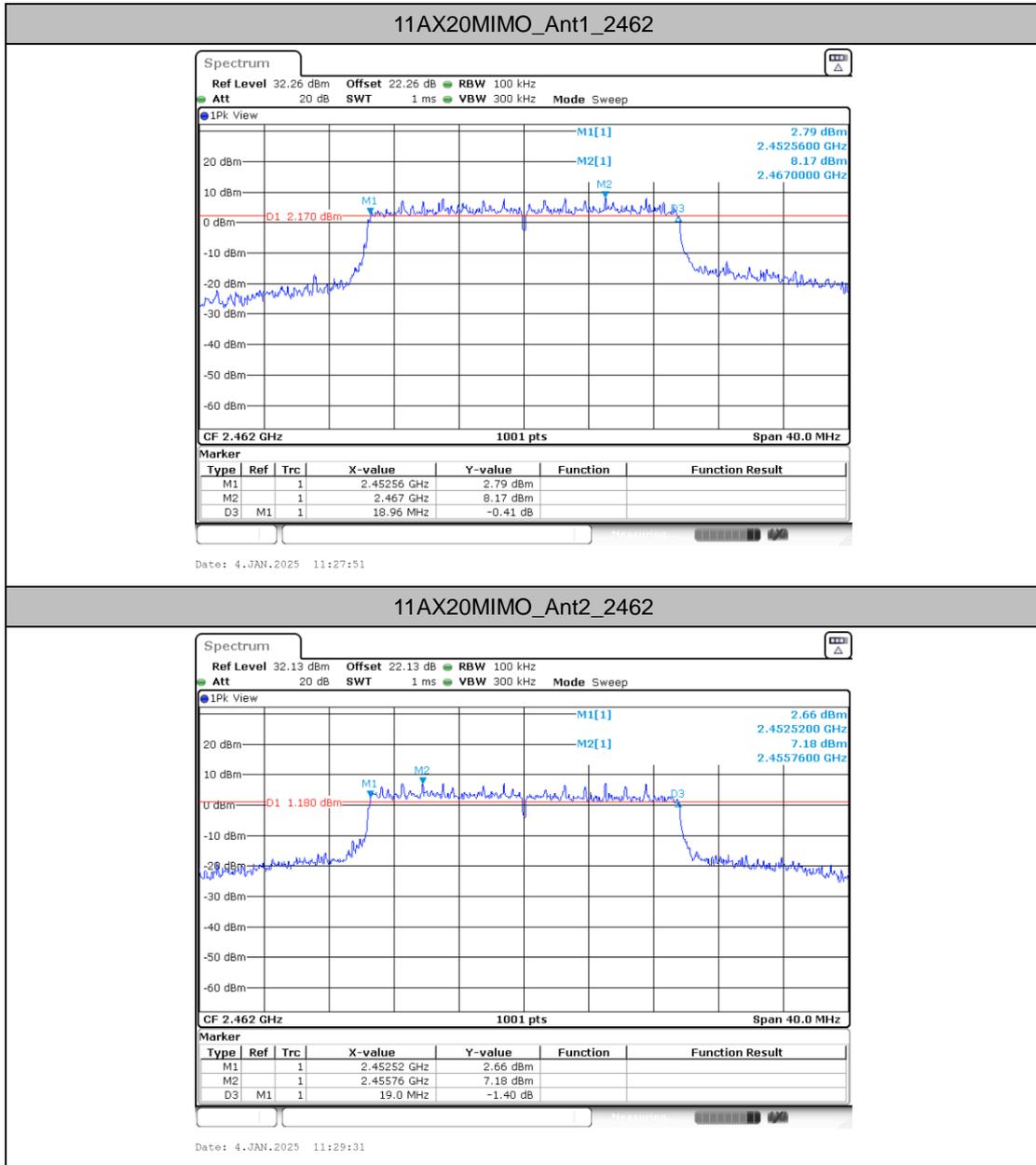


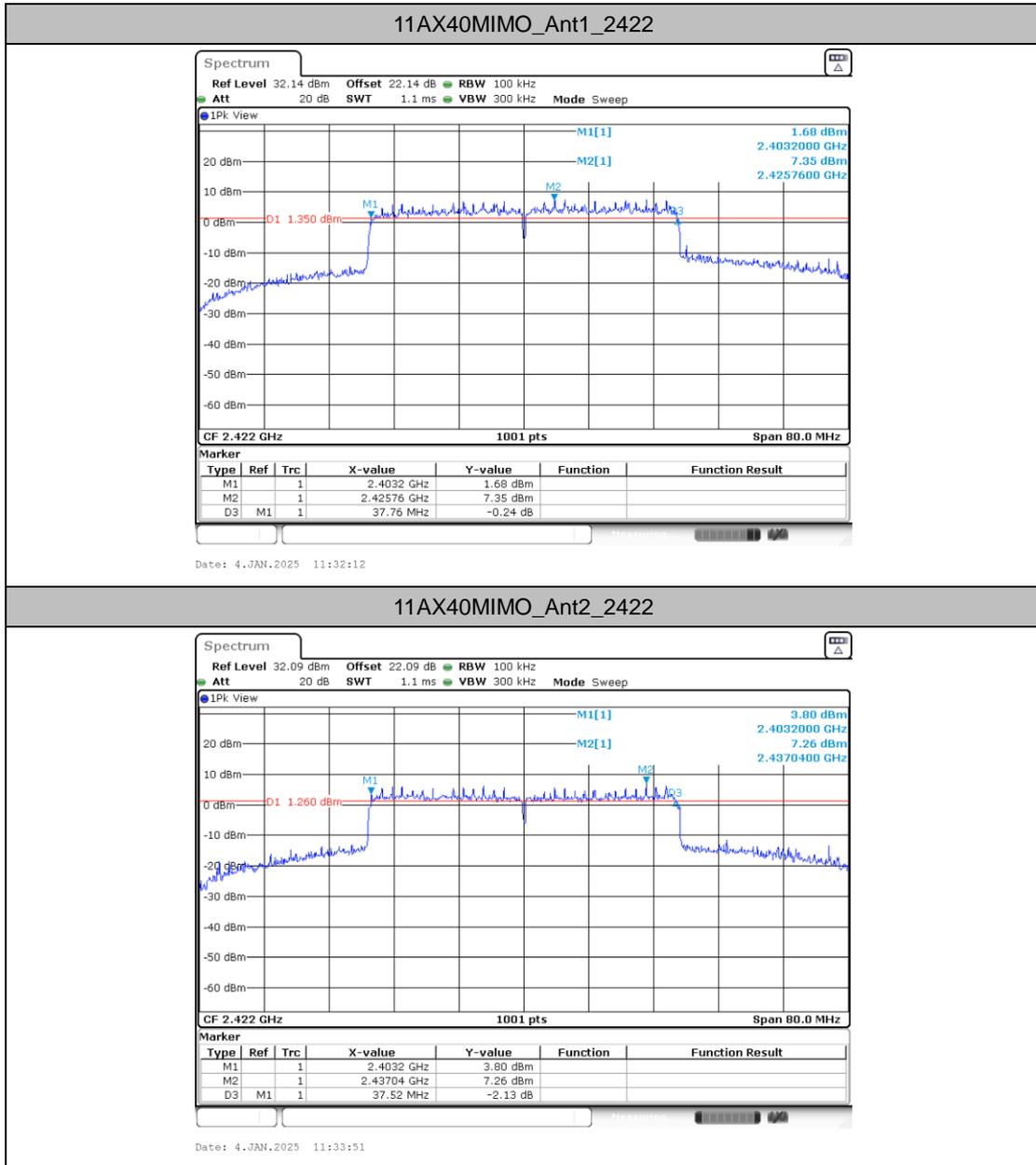


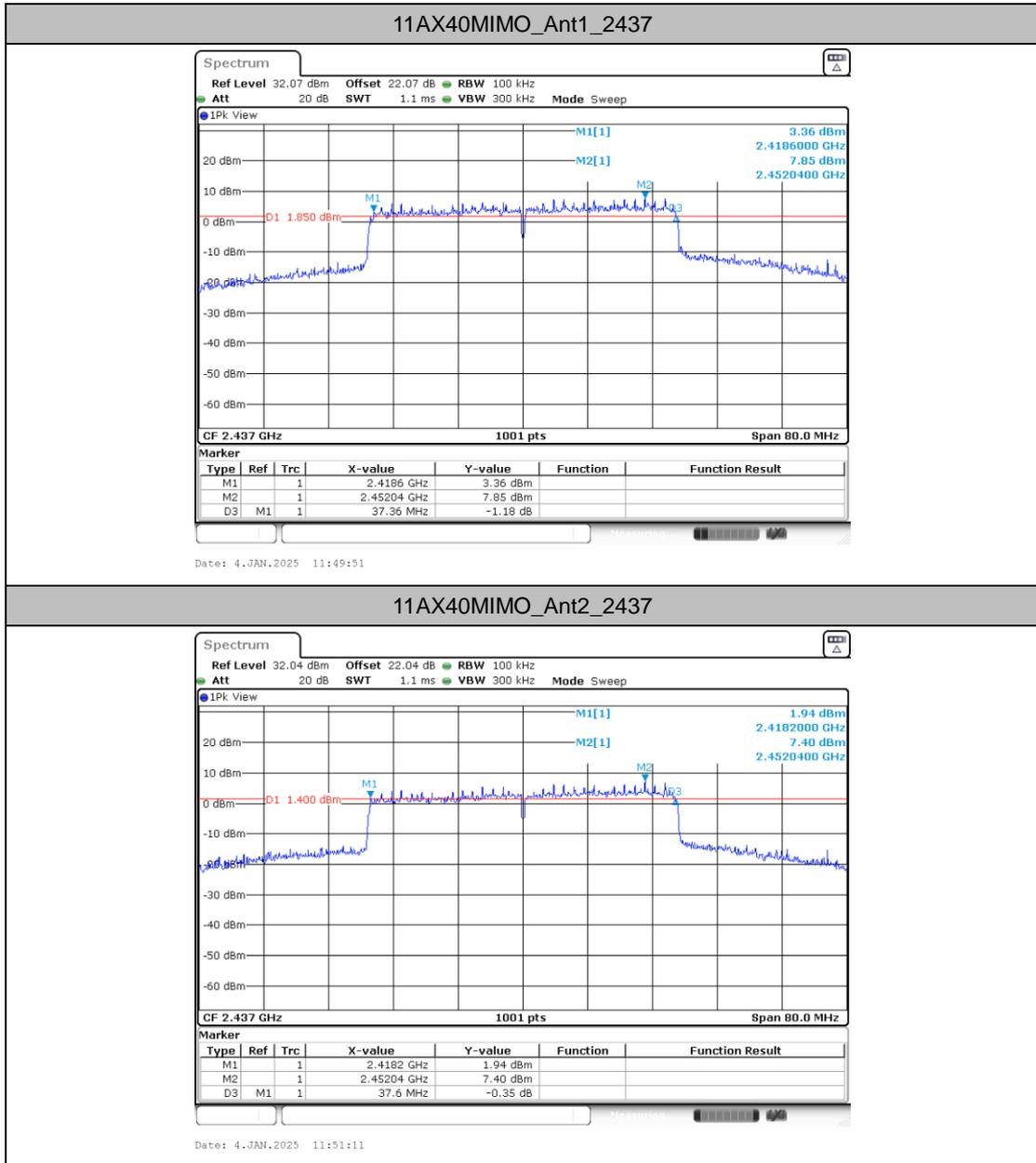


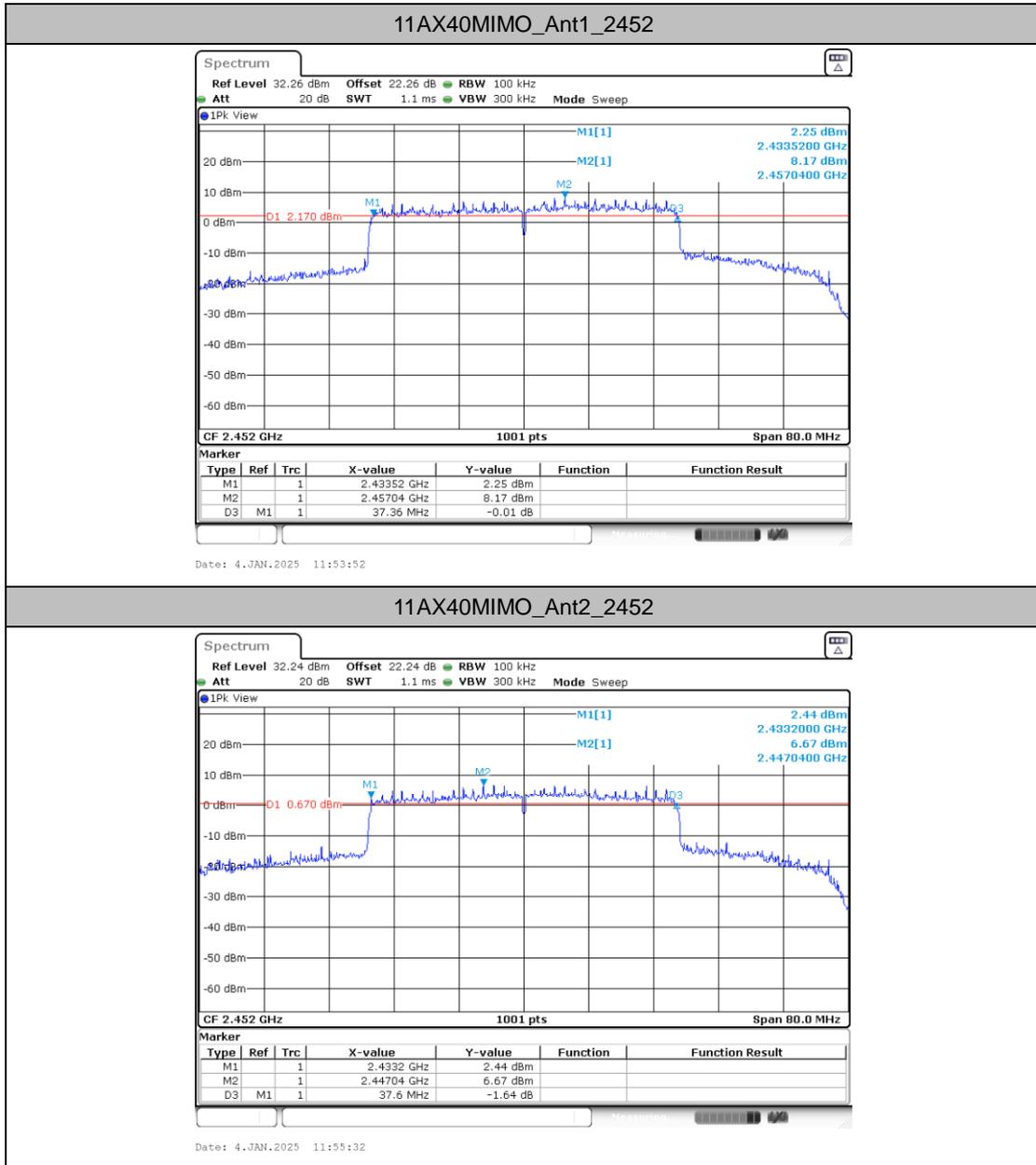














Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.909	2406.7253	2417.6344	---	---
	Ant2	2412	11.748	2406.0060	2417.7542	---	---
	Ant1	2437	11.189	2431.5255	2442.7143	---	---
	Ant2	2437	11.508	2431.4456	2442.9540	---	---
	Ant1	2462	11.149	2456.5255	2467.6743	---	---
	Ant2	2462	11.668	2456.0460	2467.7143	---	---
11G-CDD	Ant1	2412	21.179	2402.8891	2424.0679	---	---
	Ant2	2412	18.541	2402.6893	2421.2308	---	---
	Ant1	2417	18.102	2408.1688	2426.2707	---	---
	Ant2	2417	17.702	2408.0889	2425.7912	---	---
	Ant1	2437	19.9	2427.9291	2447.8292	---	---
	Ant2	2437	18.581	2428.2088	2446.7902	---	---
	Ant1	2447	18.182	2438.1688	2456.3506	---	---
	Ant2	2447	17.542	2438.4086	2455.9510	---	---
	Ant1	2452	18.102	2443.2088	2461.3107	---	---
	Ant2	2452	17.303	2443.4486	2460.7512	---	---
	Ant1	2457	17.902	2448.2088	2466.1109	---	---
	Ant2	2457	17.303	2448.3287	2465.6314	---	---
	Ant1	2462	19.301	2452.9291	2472.2298	---	---
	Ant2	2462	18.581	2452.6494	2471.2308	---	---
11N20MIMO	Ant1	2412	21.818	2402.5295	2424.3477	---	---
	Ant2	2412	19.141	2402.3696	2421.5105	---	---
	Ant1	2417	18.821	2407.7293	2426.5504	---	---
	Ant2	2417	18.462	2407.6893	2426.1508	---	---
	Ant1	2437	20.1	2427.5295	2447.6294	---	---
	Ant2	2437	19.101	2427.7692	2446.8701	---	---
	Ant1	2442	19.54	2432.6094	2452.1499	---	---
	Ant2	2442	18.741	2432.8492	2451.5904	---	---
	Ant1	2447	18.741	2437.7692	2456.5105	---	---
	Ant2	2447	18.262	2437.9690	2456.2308	---	---
	Ant1	2452	18.661	2442.7692	2461.4306	---	---
	Ant2	2452	18.182	2442.9690	2461.1508	---	---
Ant1	2457	18.661	2447.7692	2466.4306	---	---	



	Ant2	2457	18.222	2447.8492	2466.0709	---	---
	Ant1	2462	19.98	2452.4895	2472.4695	---	---
	Ant2	2462	19.021	2452.4496	2471.4705	---	---
11N40MIMO	Ant1	2422	45.874	2403.2987	2449.1728	---	---
	Ant2	2422	41.798	2402.8192	2444.6174	---	---
	Ant1	2437	45.714	2417.8192	2463.5335	---	---
	Ant2	2437	41.319	2417.5794	2458.8981	---	---
	Ant1	2452	43.237	2433.0589	2476.2957	---	---
	Ant2	2452	38.282	2433.0589	2471.3407	---	---
11AX20MIMO	Ant1	2412	20.739	2402.2897	2423.0290	---	---
	Ant2	2412	19.7	2402.0899	2421.7902	---	---
	Ant1	2417	19.341	2407.3696	2426.7103	---	---
	Ant2	2417	19.381	2407.2498	2426.6304	---	---
	Ant1	2437	19.74	2427.3297	2447.0699	---	---
	Ant2	2437	19.74	2427.2897	2447.0300	---	---
	Ant1	2442	19.58	2432.3696	2451.9500	---	---
	Ant2	2442	19.5	2432.3696	2451.8701	---	---
	Ant1	2447	19.341	2437.4096	2456.7502	---	---
	Ant2	2447	19.301	2437.4096	2456.7103	---	---
	Ant1	2452	19.301	2442.4096	2461.7103	---	---
	Ant2	2452	19.221	2442.4096	2461.6304	---	---
	Ant1	2457	19.261	2447.4096	2466.6703	---	---
	Ant2	2457	19.221	2447.3696	2466.5904	---	---
	Ant1	2462	19.78	2452.2498	2472.0300	---	---
	Ant2	2462	19.7	2452.0899	2471.7902	---	---
11AX40MIMO	Ant1	2422	45.634	2402.8991	2448.5335	---	---
	Ant2	2422	41.159	2402.6593	2443.8182	---	---
	Ant1	2437	44.675	2417.8192	2462.4945	---	---
	Ant2	2437	39.64	2417.6593	2457.2997	---	---
	Ant1	2452	42.517	2432.8192	2475.3367	---	---
	Ant2	2452	38.601	2432.8192	2471.4206	---	---



Test Graphs

