

Prüfbericht-Nr.: Test report no.:	CN26LUH0 001	Auftrags-Nr.: Order no.:	27233906	Seite 1 von 20 Page 1 of 20
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-05-11	
Auftraggeber: Client:	Bear Robotics, Inc. 785 Broadway, Redwood City, CA 94063, United States			
Prüfgegenstand: Test item:	WiFi module			
Bezeichnung / Typ-Nr.: Identification / Type no.:	6252B-SRB			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 15: Subpart C Section 15.247			
Wareneingangsdatum: Date of sample receipt:	2026-05-11	Please refer to photo documents		
Prüfmuster-Nr.: Test sample no.:	A004260088-002~003			
Prüfzeitraum: Testing period:	2026-05-27 - 2026-06-04			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	 Signed by: Jonathan Li		genehmigt von: authorized by:	 Signed by: Bell Hu
Datum: Date:	2026-07-13	Ausstellungsdatum: Issue date:	2026-07-13	
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: 2BAKL-6252B-SRB This report is for 2.4GHz Wi-Fi.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Anmerkungen
Remarks

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4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of 2.4GHz Wi-Fi

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

FCC Accreditation Designation No.: 694916

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend 2)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Wireless Connectivity Tester	R&S	CMW270	101375	2025-09-23	2026-09-22
Signal Analyzer	R&S	FSV 40	101441	2025-09-23	2026-09-22
Vector Signal Generator	R&S	SMBV100A	263301	2025-10-30	2026-10-29
Signal Generator	R&S	SMB100A	115186	2025-09-23	2026-09-22
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2025-09-23	2026-09-22
Control PC	Lenovo	1HH43Q4	F807B09DD5F 1	N/A	N/A
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Power Meter	R&S	NRP2	107105	2025-10-30	2026-10-29
Power Sensor	R&S	NRP-Z81	105677	2025-09-23	2026-09-22
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2025-09-22	2026-09-21
Signal Analyzer	R&S	FSV 40	101439	2025-09-22	2026-09-21
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2025-09-22	2026-09-21
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2025-09-22	2026-09-21
Amplifier	R&S	SCU-18F	180070	2025-09-22	2026-09-21
Amplifier	R&S	SCU40A	100475	2025-09-22	2026-09-21
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2026-09-27
Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2026-09-27

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Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2026-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2026-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The product is a WiFi module which supports 2.4GHz Wi-Fi and 5GHz Wi-Fi wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	WiFi module
Type Designation:	6252B-SRB
FCC ID:	2BAKL-6252B-SRB
Operating Voltage:	DC 3.3V
Technical Specification of 2.4GHz Wi-Fi	
Operating Frequency:	2412 - 2462 MHz for 802.11b/g/n(HT20)/ax(HE20) 2422 - 2452 MHz for 802.11n(HT40)/ax(HE40)
Type of Modulation:	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Data Rate:	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n MCS0 ~ MCS11 for 802.11ax* (*Only Full RU mode supported for 802.11ax.)
Channel Number:	11 channels for 802.11b/g/n(HT20)/ax(HE20) 7 channels for 802.11n(HT40)/ax(HE40)
Channel Separation:	5 MHz
Antenna Type:	FPC Antenna
Antenna Number:	2Tx2Rx, Uncorrelated
Antenna Gain:	4.15dBi for ANT1 / ANT2 (Provided by the Client)

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Table 4: RF Channel and Frequency of 2.4GHz Wi-Fi

RF Channel	802.11 b/g/n(HT20)/ax(HE20)	802.11 n(HT40)/ax(HE40)
	Frequency (MHz)	Frequency (MHz)
01	2412	/
02	2417	/
03	2422	2422
04	2427	2427
05	2432	2432
06	2437	2437
07	2442	2442
08	2447	2447
09	2452	2452
10	2457	/
11	2462	/

Test frequencies are lowest channel: 2412 MHz, middle channel: 2437 MHz and highest channel: 2462 MHz for 802.11b/g/n(HT20)/ax(HE20)

Test frequencies are lowest channel: 2422 MHz, middle channel: 2437 MHz and highest channel: 2452 MHz for 802.11n(HT40)/ax(HE40)

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 2.4GHz Wi-Fi transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- Operation Description
- FCC/IC Label and Location Info

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024.

According to clause 3.1, all tests were performed on model 6252B-SRB in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8
DC Power Supply	Keysight	E3642A	MY61276100

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

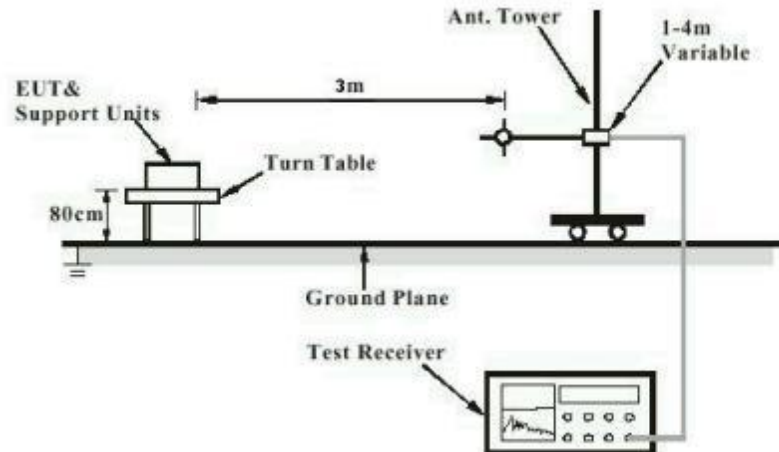


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

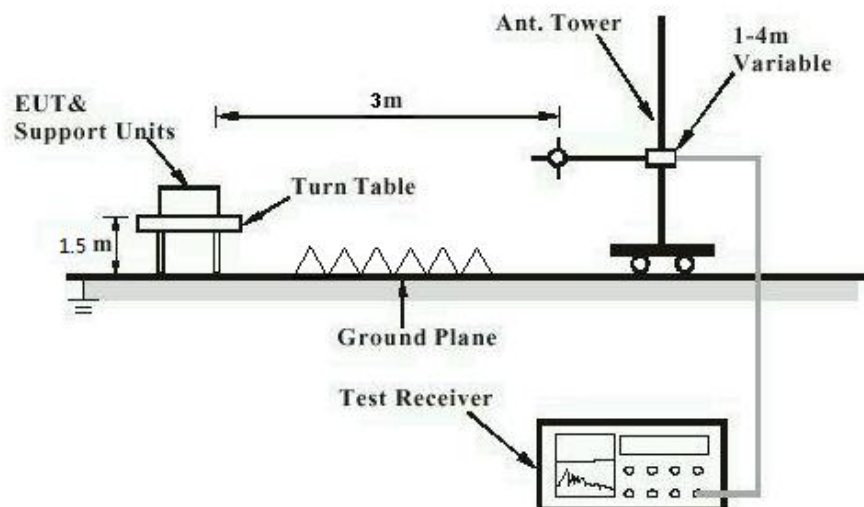
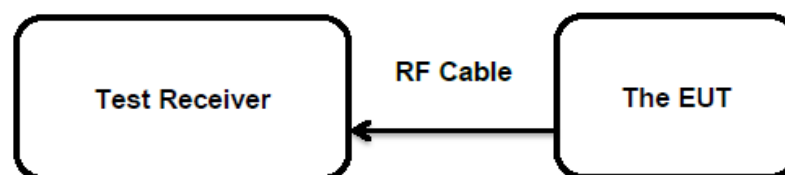


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has Integral Antennas, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(b)(3)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: < 1.0 W
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-27 to 2026-06-02
Input voltage	: DC 3.3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.7	≤30.00	PASS
		2437	16.49	≤30.00	PASS
		2462	16.43	≤30.00	PASS
11G	Ant1	2412	21.07	≤30.00	PASS
		2437	21.17	≤30.00	PASS
		2462	21.18	≤30.00	PASS
11N20MIMO	Ant1	2412	21.03	≤30.00	PASS
	Ant2	2412	20.33	≤30.00	PASS
	total	2412	23.70	≤30.00	PASS
	Ant1	2437	20.94	≤30.00	PASS
	Ant2	2437	19.74	≤30.00	PASS
	total	2437	23.39	≤30.00	PASS
	Ant1	2462	21.03	≤30.00	PASS
	Ant2	2462	19.45	≤30.00	PASS
	total	2462	23.32	≤30.00	PASS
11N40MIMO	Ant1	2422	20.91	≤30.00	PASS
	Ant2	2422	19.86	≤30.00	PASS
	total	2422	23.43	≤30.00	PASS
	Ant1	2437	20.89	≤30.00	PASS
	Ant2	2437	19.57	≤30.00	PASS
	total	2437	23.29	≤30.00	PASS
	Ant1	2452	21.00	≤30.00	PASS
	Ant2	2452	19.24	≤30.00	PASS
	total	2452	23.22	≤30.00	PASS
11AX20MIMO	Ant1	2412	21.78	≤30.00	PASS
	Ant2	2412	20.93	≤30.00	PASS
	total	2412	24.39	≤30.00	PASS
	Ant1	2437	21.64	≤30.00	PASS
	Ant2	2437	20.33	≤30.00	PASS
	total	2437	24.04	≤30.00	PASS
	Ant1	2462	21.71	≤30.00	PASS
	Ant2	2462	20.05	≤30.00	PASS
	total	2462	23.97	≤30.00	PASS
11AX40MIMO	Ant1	2422	21.59	≤30.00	PASS
	Ant2	2422	20.54	≤30.00	PASS
	total	2422	24.11	≤30.00	PASS
	Ant1	2437	21.63	≤30.00	PASS
	Ant2	2437	20.17	≤30.00	PASS
	total	2437	23.97	≤30.00	PASS
	Ant1	2452	21.65	≤30.00	PASS
	Ant2	2452	19.88	≤30.00	PASS
	total	2452	23.86	≤30.00	PASS

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 4.15 dBi

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.247(e)
Basic standard	:	ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	:	< 8 dBm / 3kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-05-27 to 2026-06-02
Input voltage	:	DC 3.3V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.2 °C
Relative humidity	:	52 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(2)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: > 500 kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-27 to 2026-06-02
Input voltage	: DC 3.3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: Within assigned band 2400-2483.5MHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-27 to 2026-06-02
Input voltage	: DC 3.3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-27 to 2026-06-02
Input voltage	: DC 3.3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

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5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-03 to 2026-06-04
Input voltage	: DC 3.3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test results
Relative humidity	: Refer to test results
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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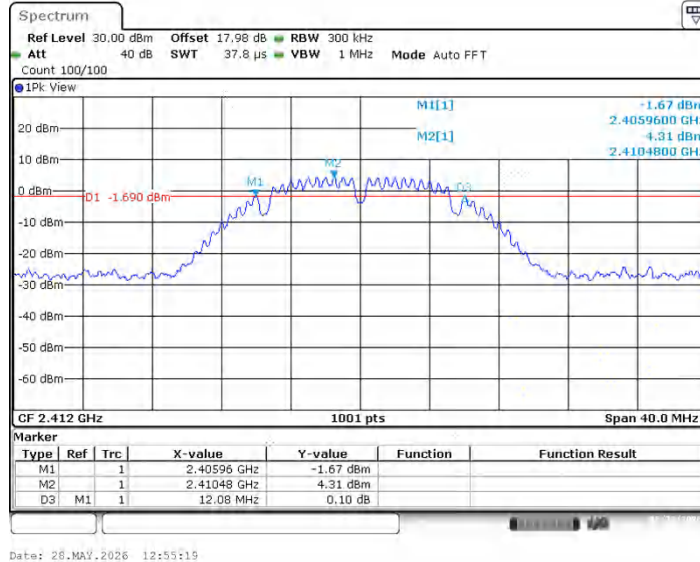
Appendix A.1: Test Results of 6dB Bandwidth

Test Result

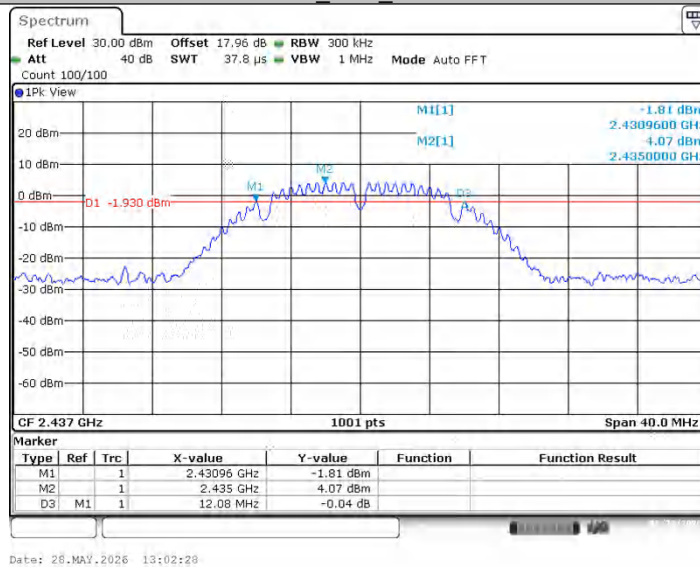
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.08	2405.96	2418.04	0.5	PASS
		2437	12.08	2430.96	2443.04	0.5	PASS
		2462	12.08	2455.96	2468.04	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
		2437	16.28	2428.88	2445.16	0.5	PASS
		2462	16.32	2453.84	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	17.60	2403.20	2420.80	0.5	PASS
	Ant2	2412	17.48	2403.28	2420.76	0.5	PASS
	Ant1	2437	17.48	2428.28	2445.76	0.5	PASS
	Ant2	2437	17.52	2428.24	2445.76	0.5	PASS
	Ant1	2462	17.56	2453.16	2470.72	0.5	PASS
	Ant2	2462	17.60	2453.20	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	36.40	2403.92	2440.32	0.5	PASS
	Ant2	2422	36.56	2403.76	2440.32	0.5	PASS
	Ant1	2437	36.16	2419.08	2455.24	0.5	PASS
	Ant2	2437	36.40	2418.84	2455.24	0.5	PASS
	Ant1	2452	36.40	2433.76	2470.16	0.5	PASS
	Ant2	2452	36.40	2433.84	2470.24	0.5	PASS
11AX20MIMO	Ant1	2412	18.96	2402.52	2421.48	0.5	PASS
	Ant2	2412	18.96	2402.52	2421.48	0.5	PASS
	Ant1	2437	18.76	2427.68	2446.44	0.5	PASS
	Ant2	2437	19.00	2427.48	2446.48	0.5	PASS
	Ant1	2462	18.92	2452.48	2471.40	0.5	PASS
	Ant2	2462	18.96	2452.52	2471.48	0.5	PASS
11AX40MIMO	Ant1	2422	37.84	2403.28	2441.12	0.5	PASS
	Ant2	2422	38.16	2402.96	2441.12	0.5	PASS
	Ant1	2437	37.84	2418.20	2456.04	0.5	PASS
	Ant2	2437	38.16	2417.96	2456.12	0.5	PASS
	Ant1	2452	37.92	2432.96	2470.88	0.5	PASS
	Ant2	2452	38.16	2432.96	2471.12	0.5	PASS

Test Graphs

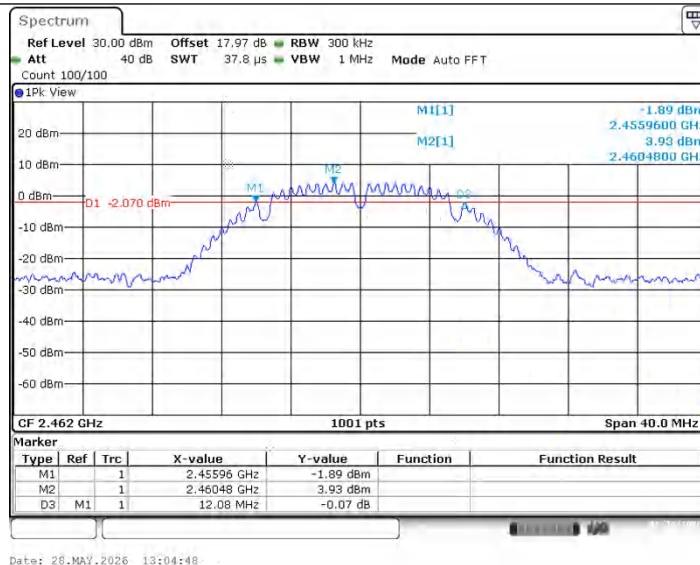
11B_Ant1_2412



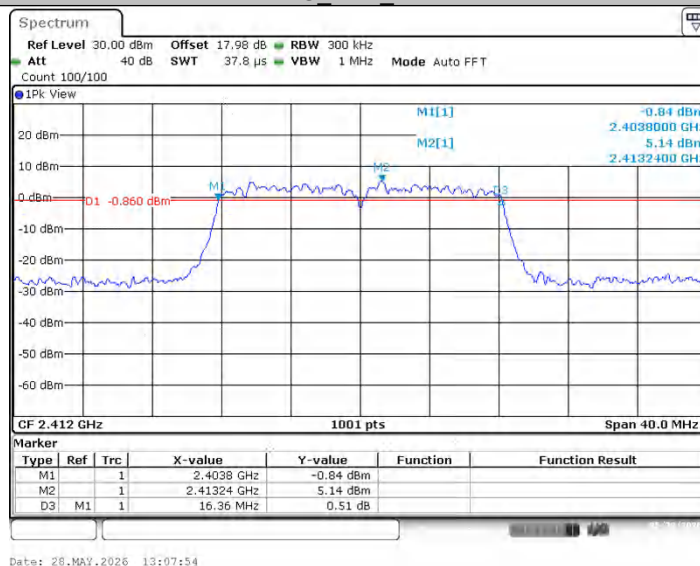
11B_Ant1_2437



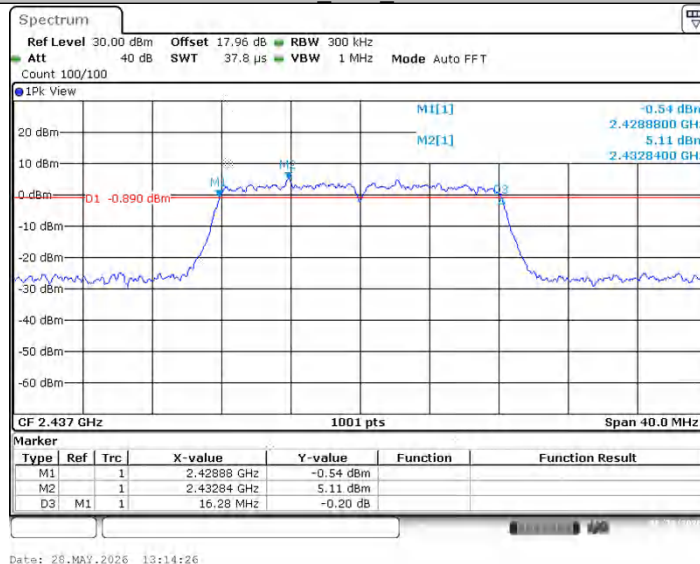
11B_Ant1_2462



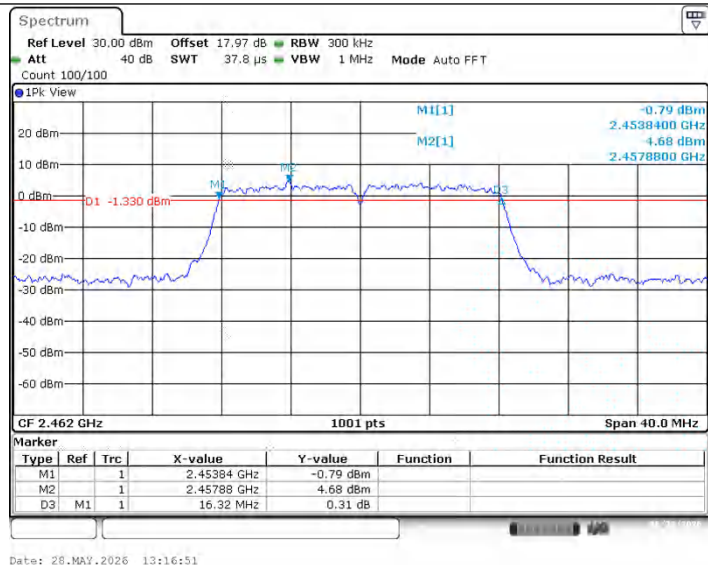
11G_Ant1_2412



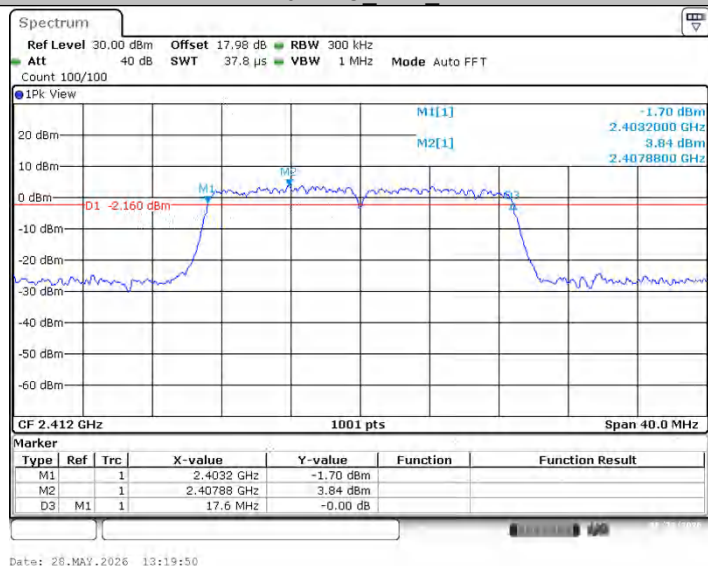
11G_Ant1_2437



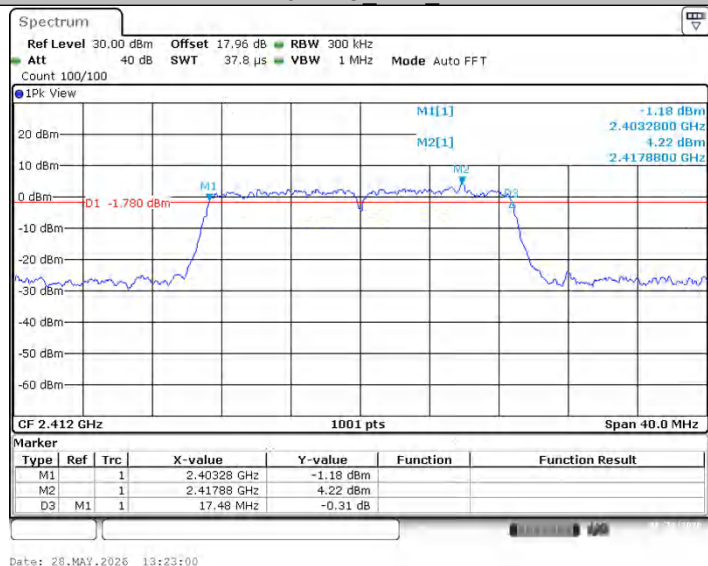
11G_Ant1_2462



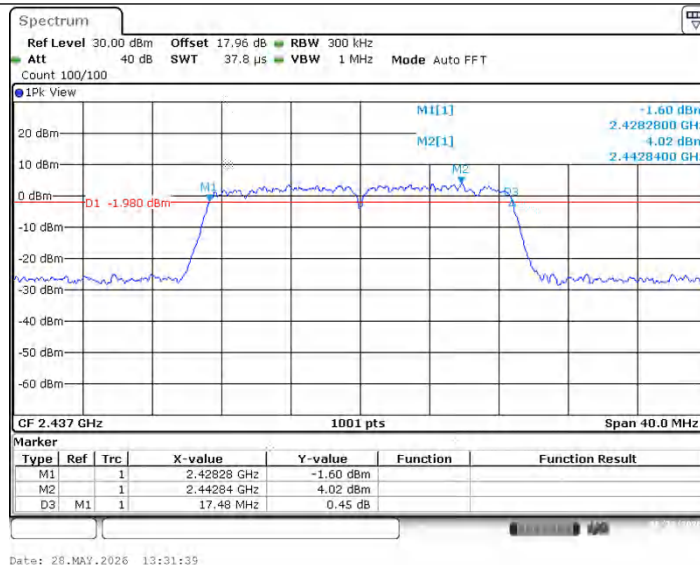
11N20MIMO Ant1 2412



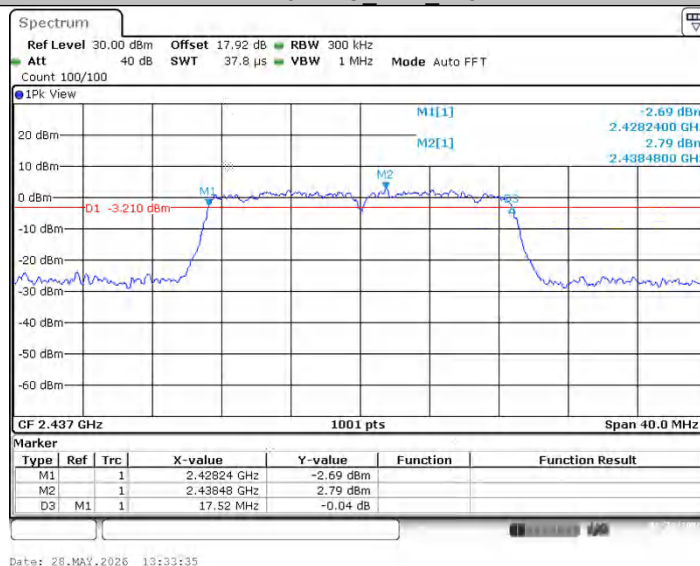
11N20MIMO Ant2 2412



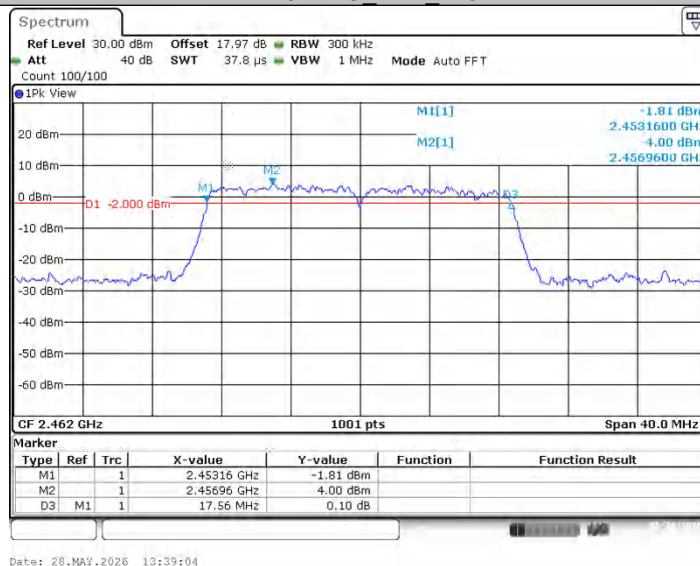
11N20MIMO Ant1 2437



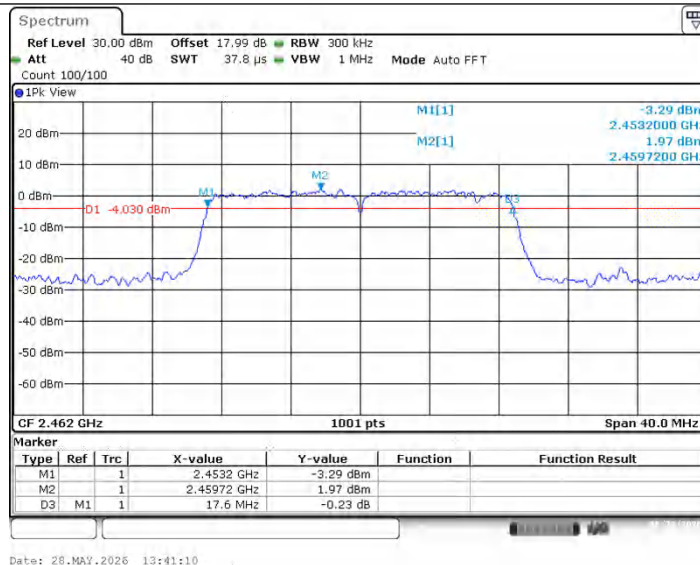
11N20MIMO_Ant2_2437



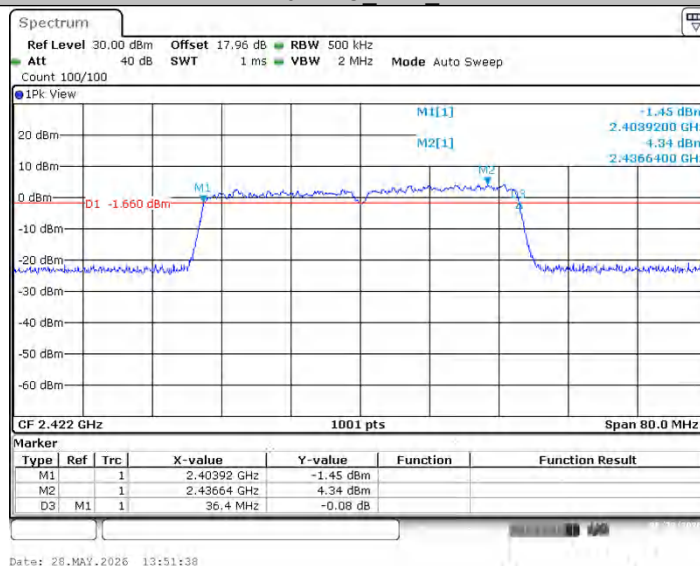
11N20MIMO_Ant1_2462



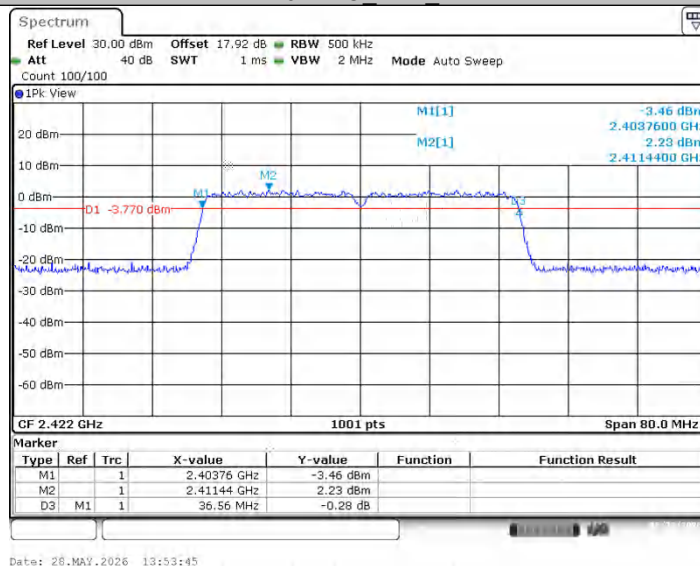
11N20MIMO_Ant2_2462



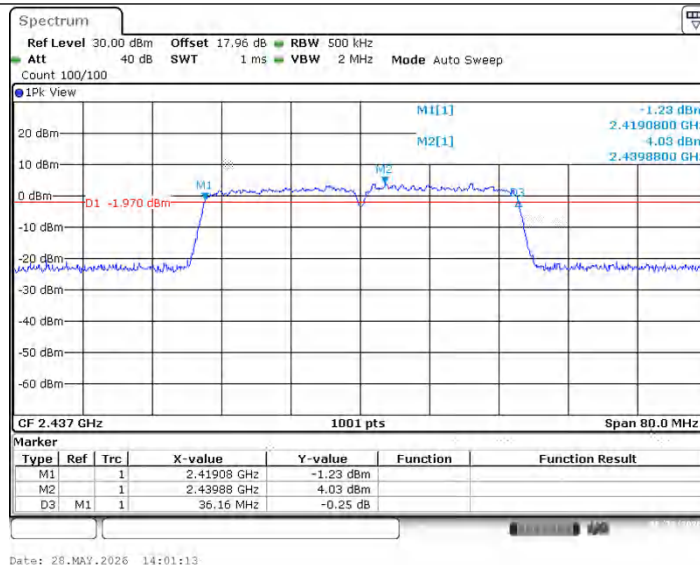
11N40MIMO Ant1 2422



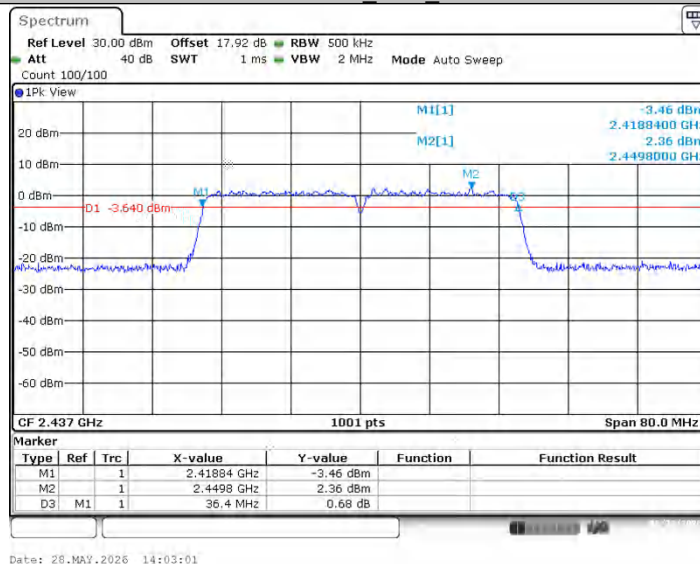
11N40MIMO Ant2 2422



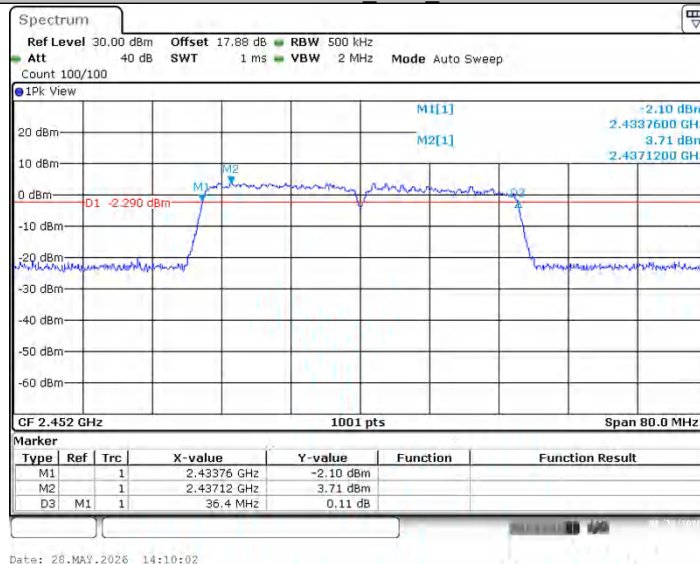
11N40MIMO Ant1 2437



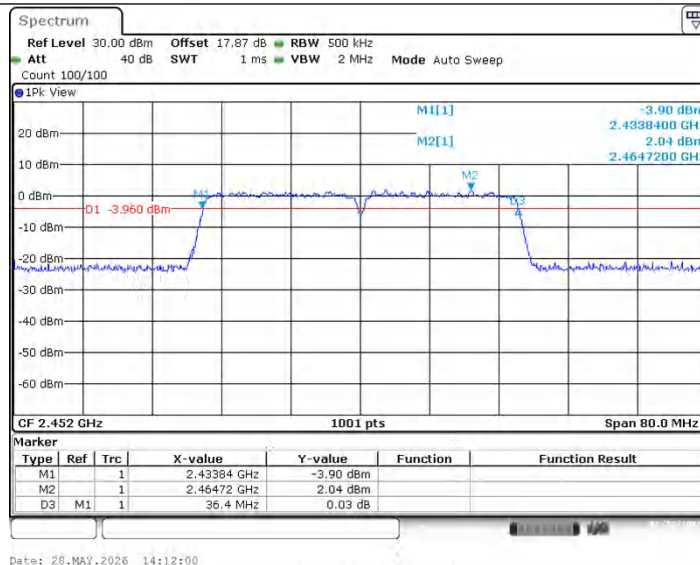
11N40MIMO Ant2 2437



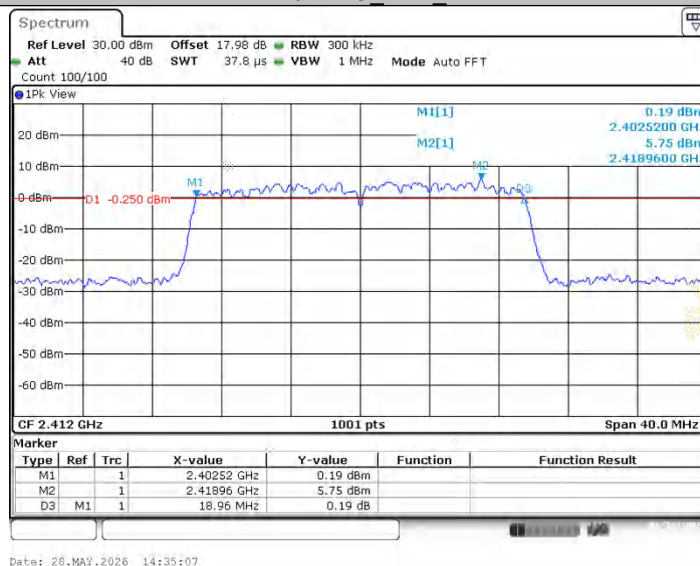
11N40MIMO Ant1 2452



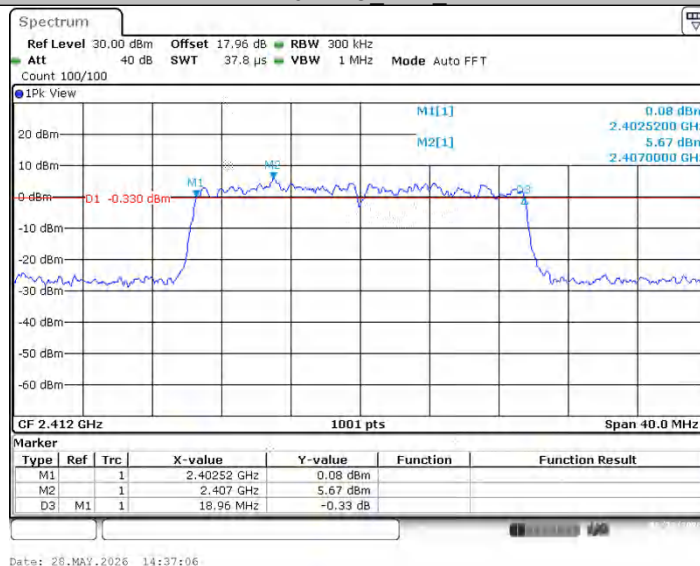
11N40MIMO Ant2 2452



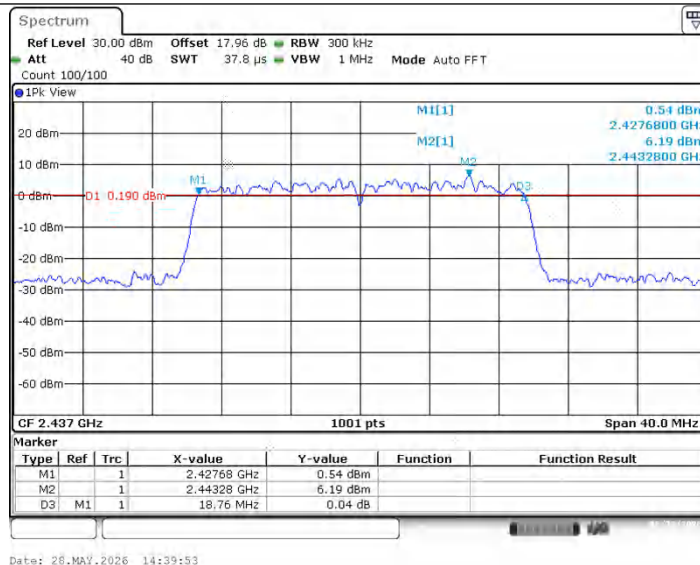
11AX20MIMO_Ant1_2412



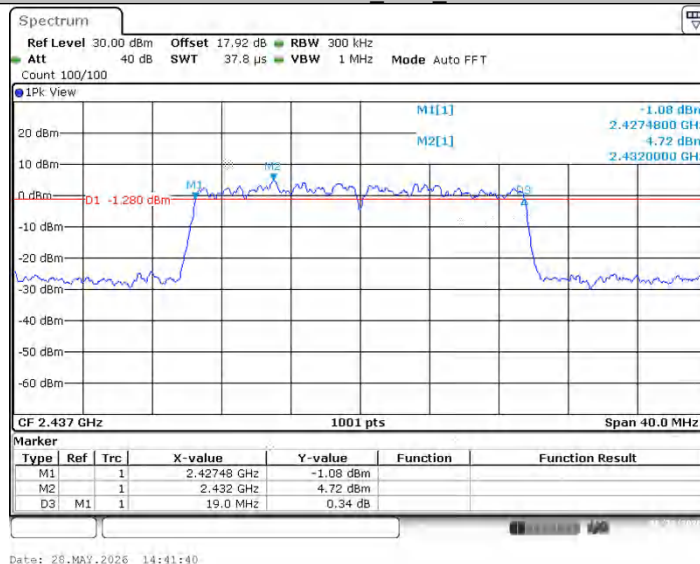
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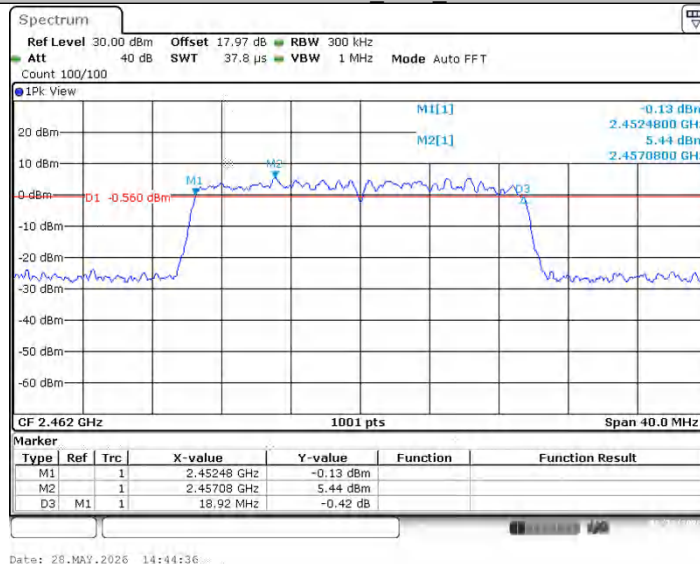
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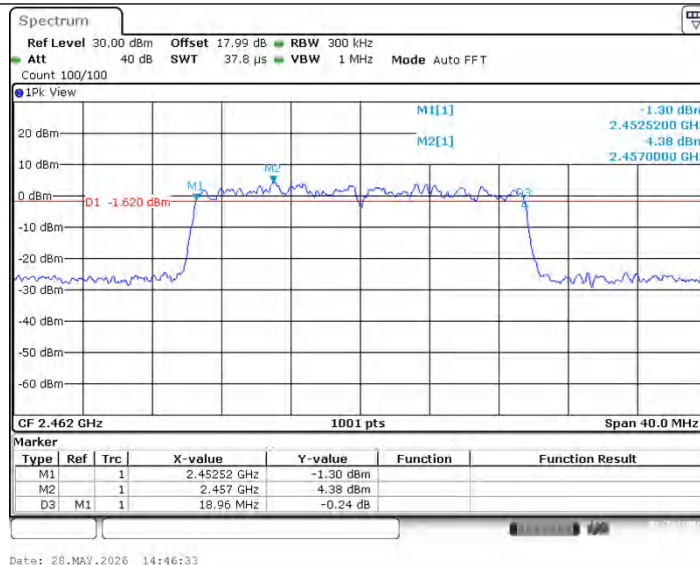
11AX20MIMO_Ant2_2437



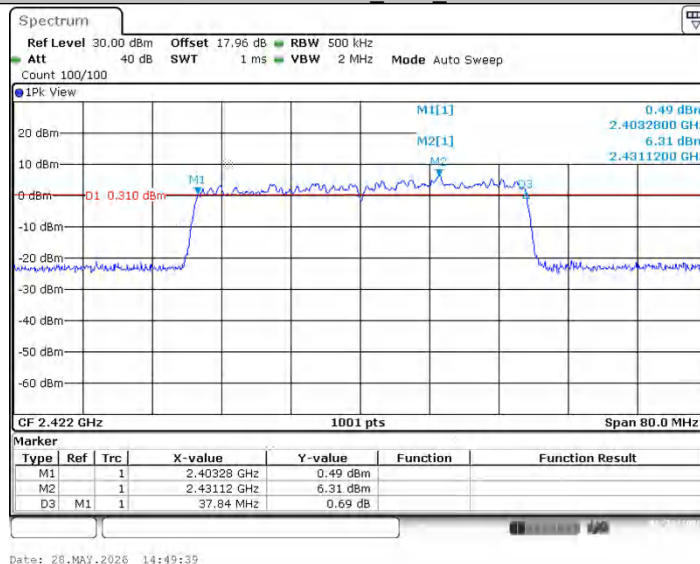
11AX20MIMO_Ant1_2462



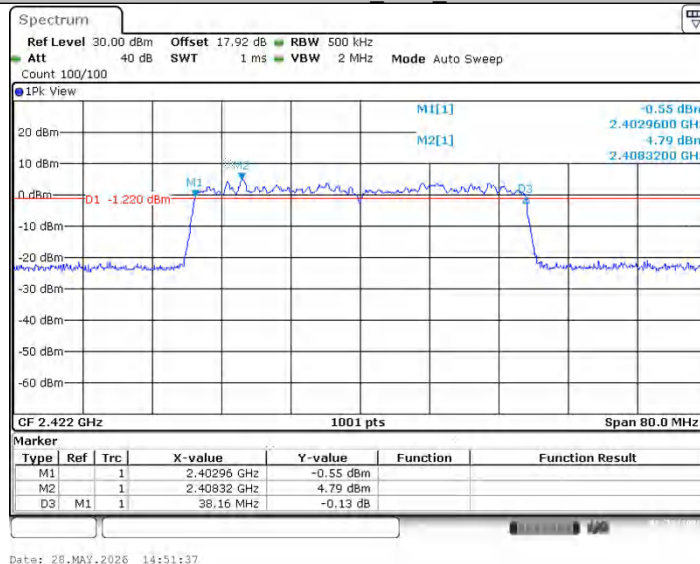
11AX20MIMO_Ant2_2462



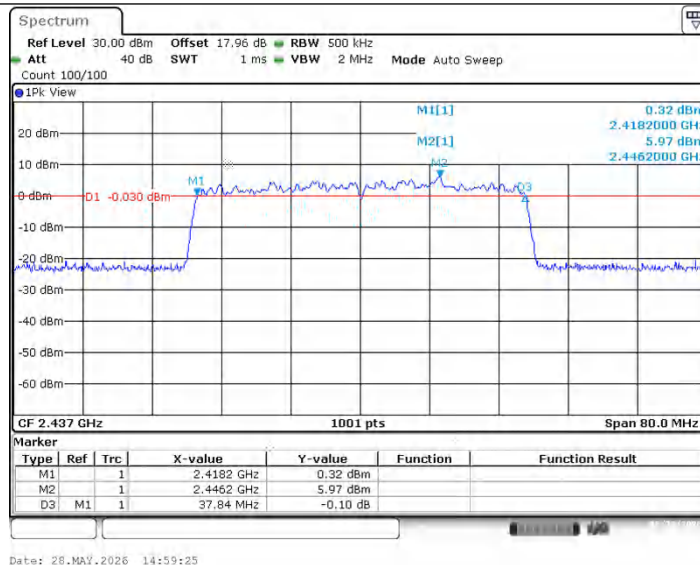
11AX40MIMO_Ant1_2422



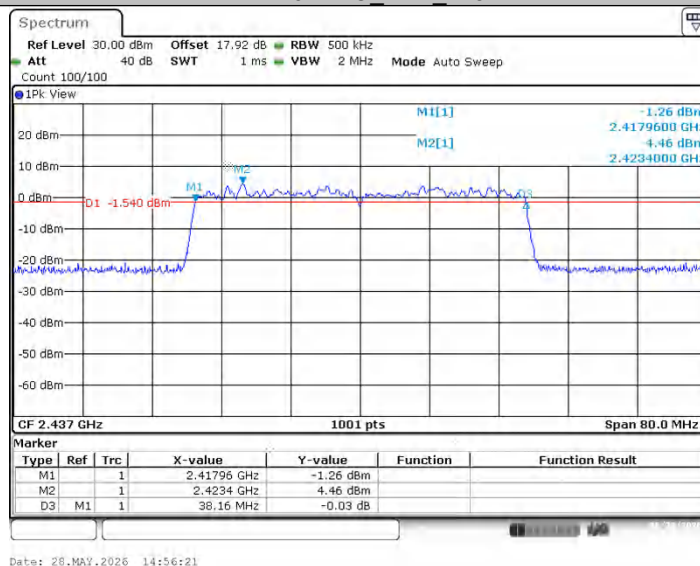
11AX40MIMO_Ant2_2422



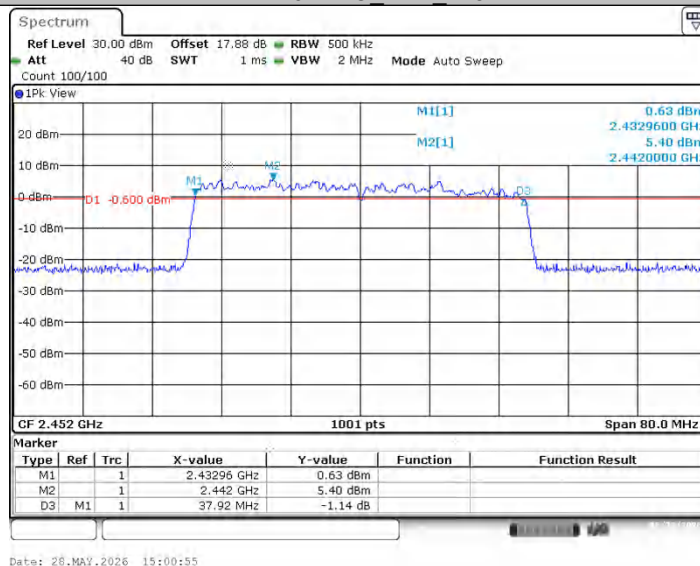
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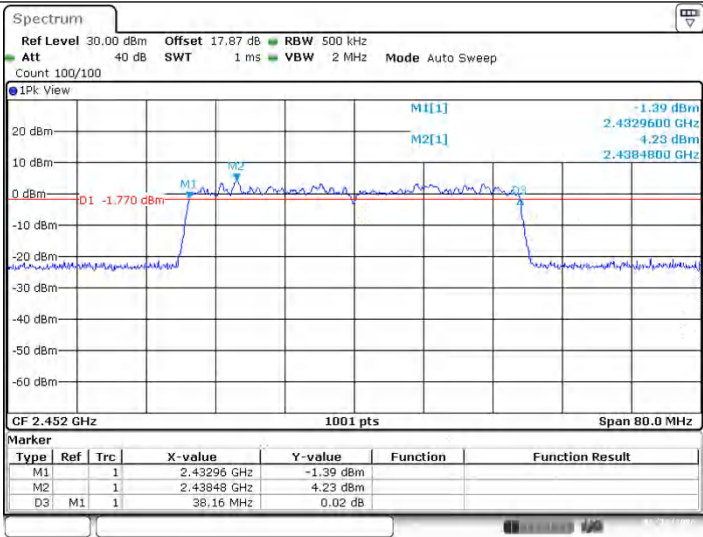
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



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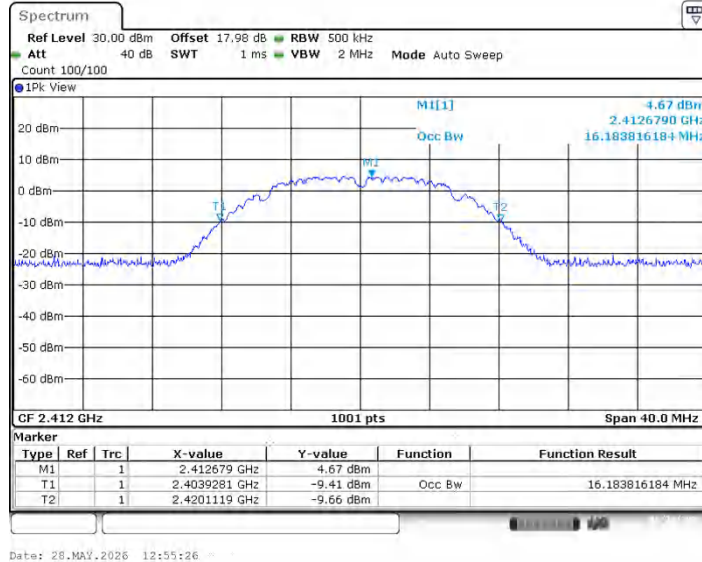
Appendix A.2: Test Results of 99% Bandwidth

Test Result

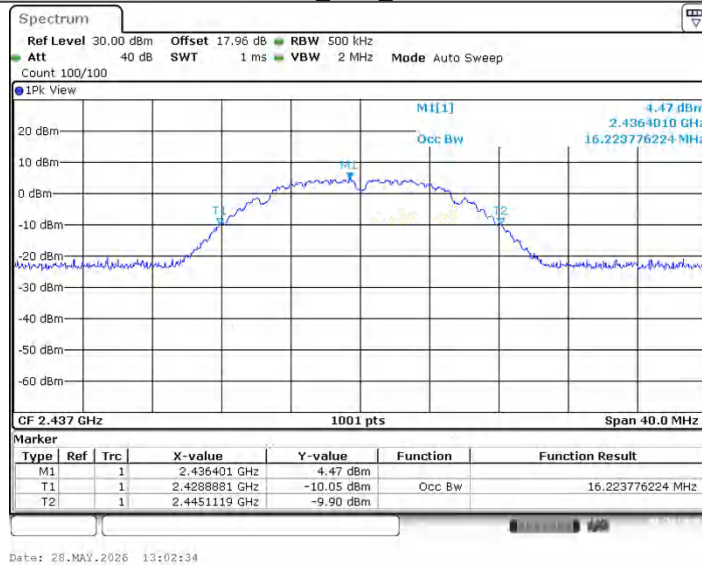
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	16.184	2403.9281	2420.1119	---	PASS
		2437	16.224	2428.8881	2445.1119	---	PASS
		2462	16.264	2453.8881	2470.1518	---	PASS
11G	Ant1	2412	16.543	2403.7283	2420.2717	---	PASS
		2437	16.783	2428.6484	2445.4316	---	PASS
		2462	16.743	2453.6883	2470.4316	---	PASS
11N20MIMO	Ant1	2412	17.822	2403.0889	2420.9111	---	PASS
		2437	17.782	2428.1289	2445.9111	---	PASS
		2462	17.822	2453.0490	2470.8711	---	PASS
11N40MIMO	Ant1	2422	36.683	2403.8581	2440.5415	---	PASS
	Ant1	2437	36.523	2418.8581	2455.3816	---	PASS
	Ant1	2452	36.523	2433.6983	2470.2218	---	PASS
11AX20MIMO	Ant1	2412	19.021	2402.5694	2421.5904	---	PASS
	Ant1	2437	19.021	2427.5694	2446.5904	---	PASS
	Ant1	2462	19.021	2452.4895	2471.5105	---	PASS
11AX40MIMO	Ant1	2422	38.202	2403.0589	2441.2607	---	PASS
	Ant1	2437	38.122	2417.9790	2456.1009	---	PASS
	Ant1	2452	38.122	2432.8192	2470.9411	---	PASS

Test Graphs

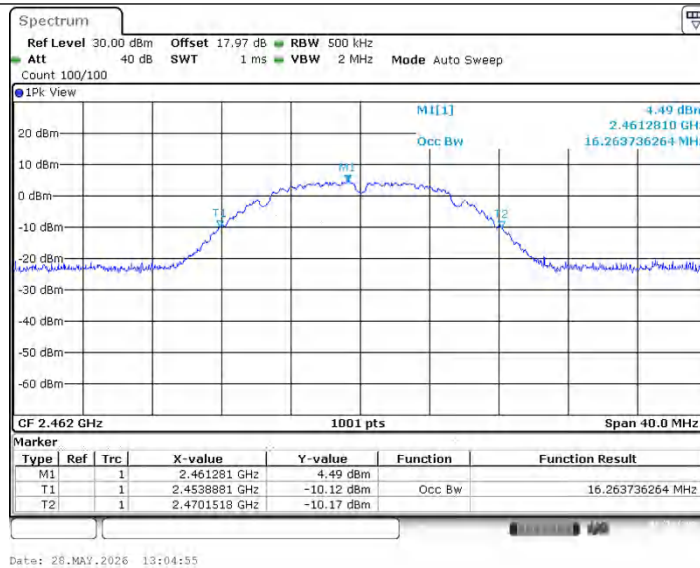
11B_Ant1_2412



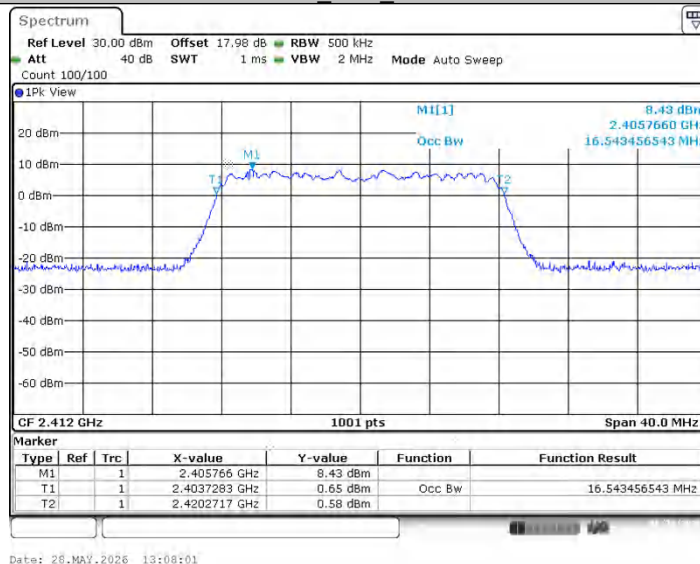
11B_Ant1_2437



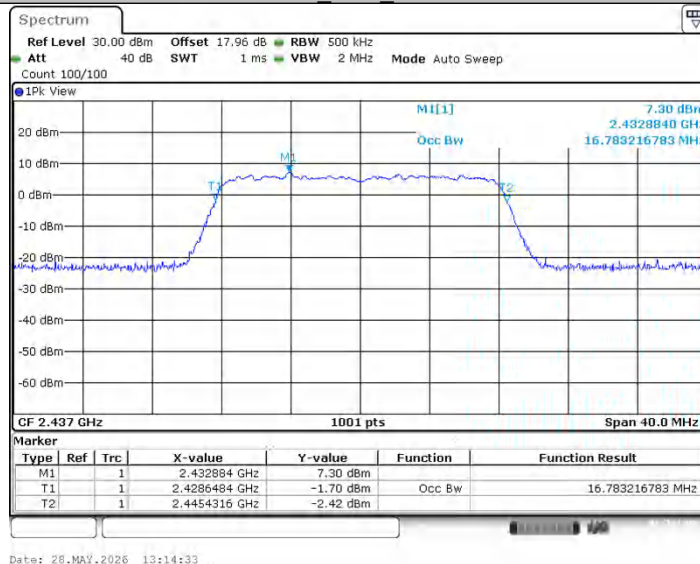
11B_Ant1_2462



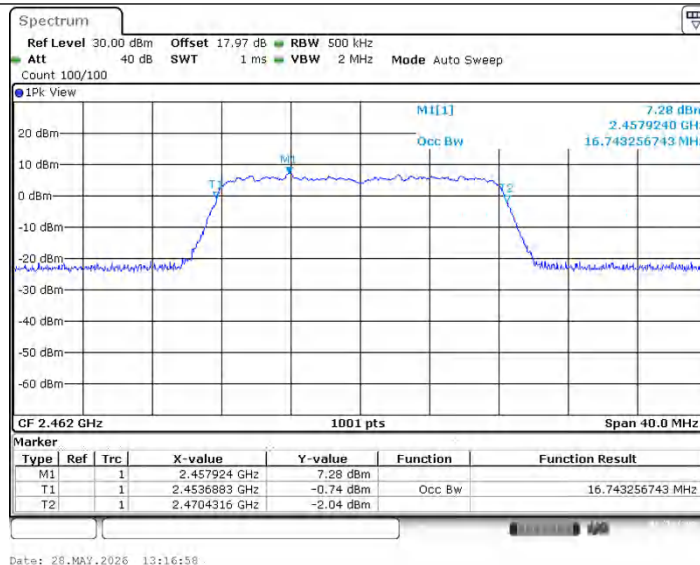
11G_Ant1_2412



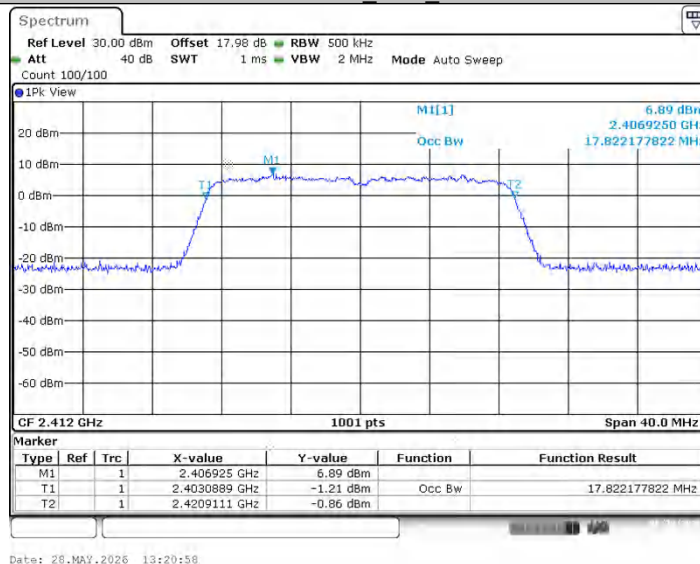
11G_Ant1_2437



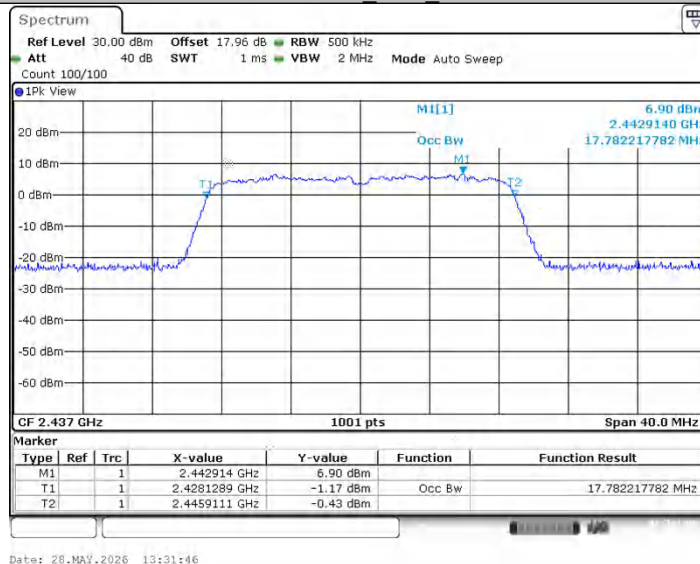
11G_Ant1_2462



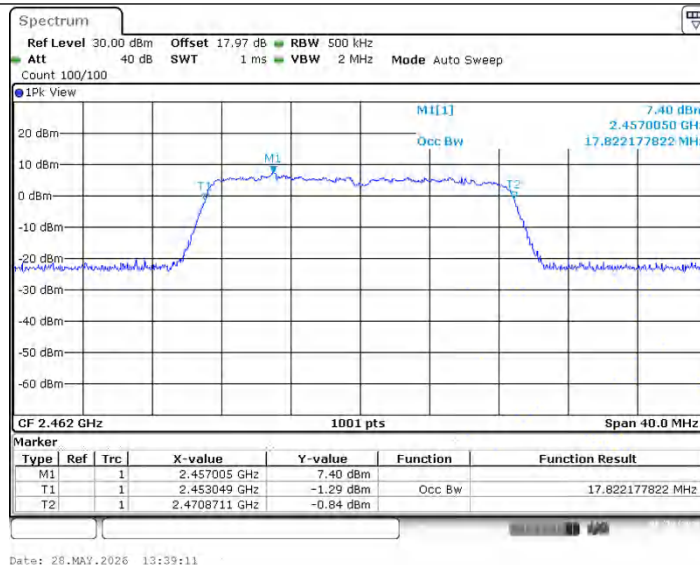
11N20MIMO Ant1 2412



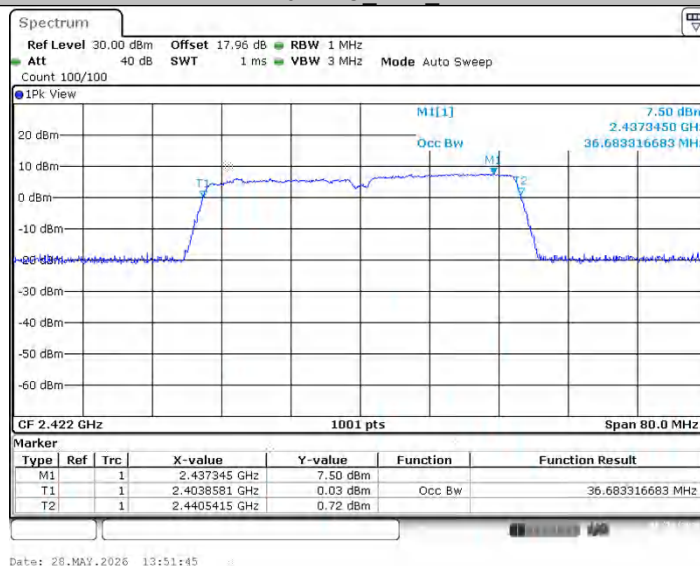
11N20MIMO Ant1 2437



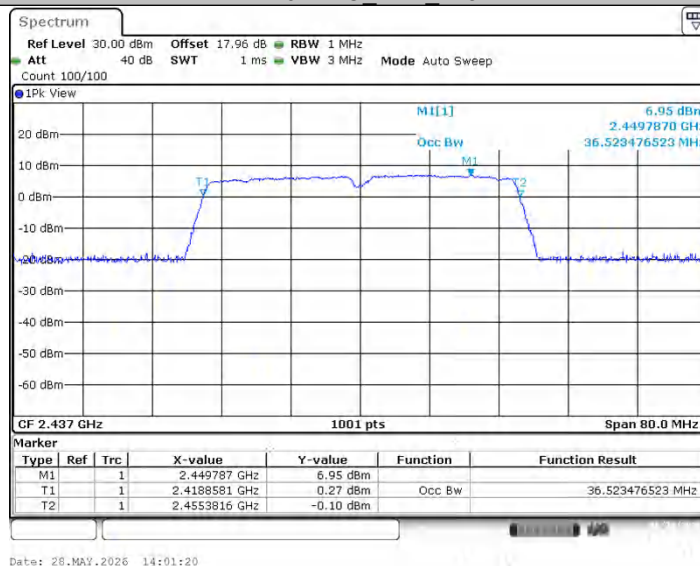
11N20MIMO Ant1 2462



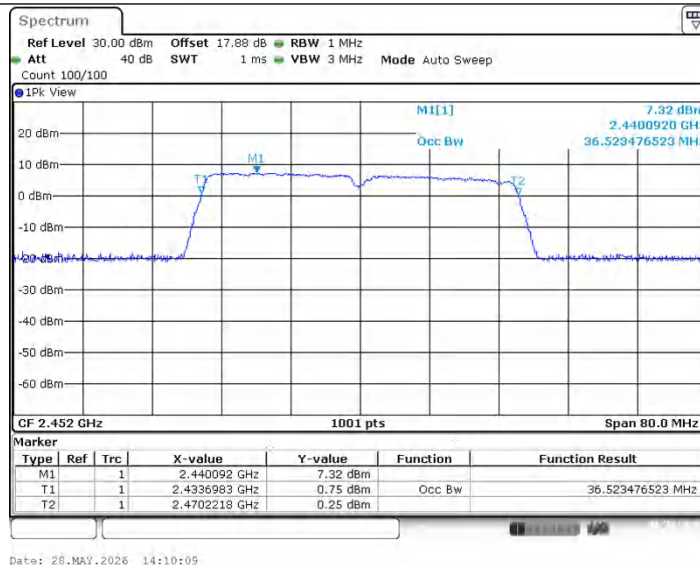
11N40MIMO Ant1 2422



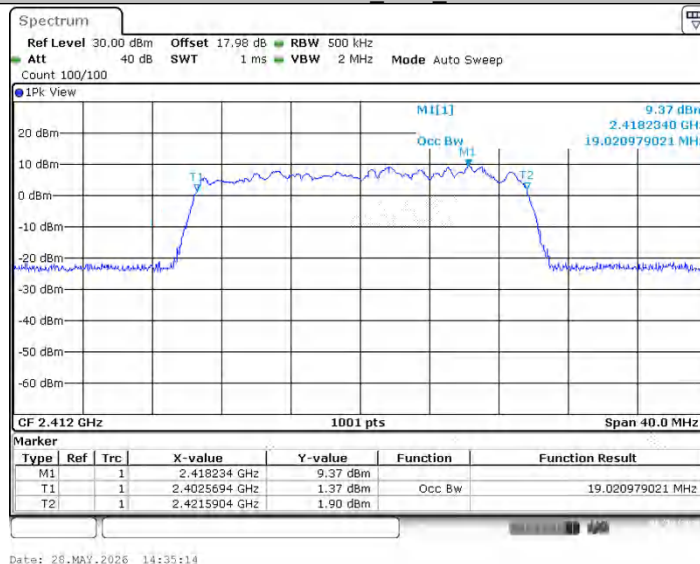
11N40MIMO Ant1 2437



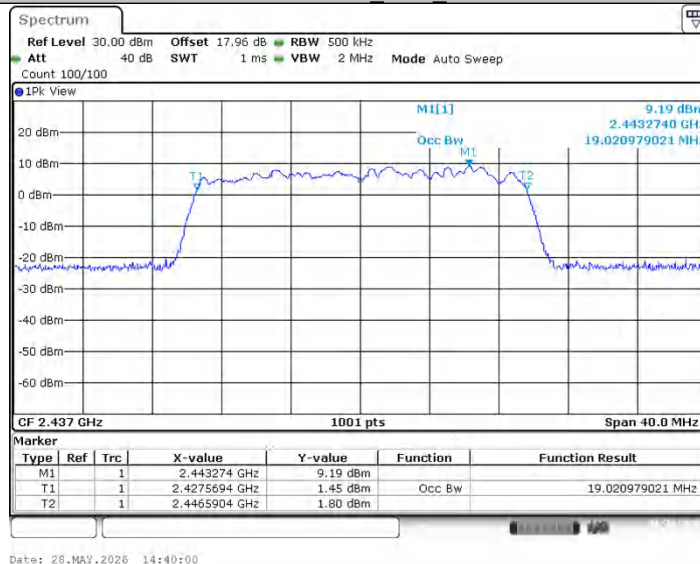
11N40MIMO Ant1 2452



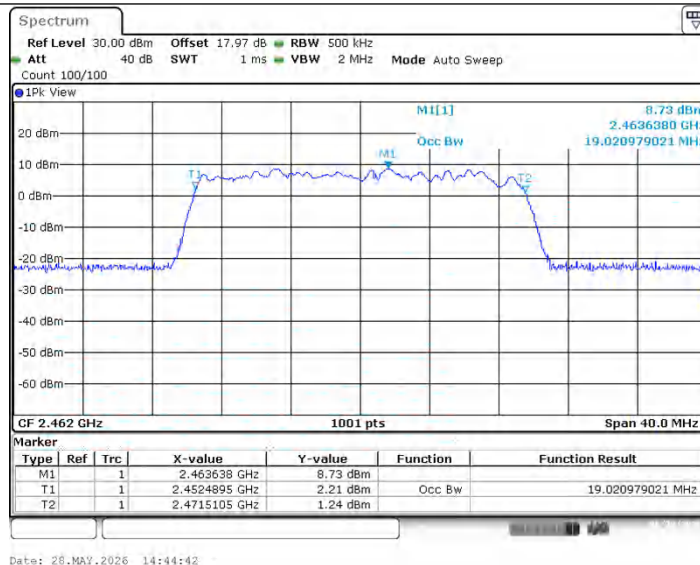
11AX20MIMO_Ant1_2412



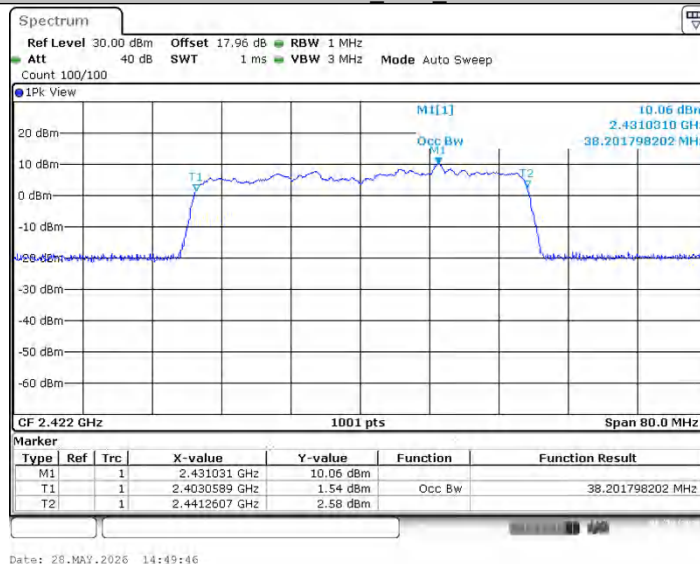
11AX20MIMO_Ant1_2437



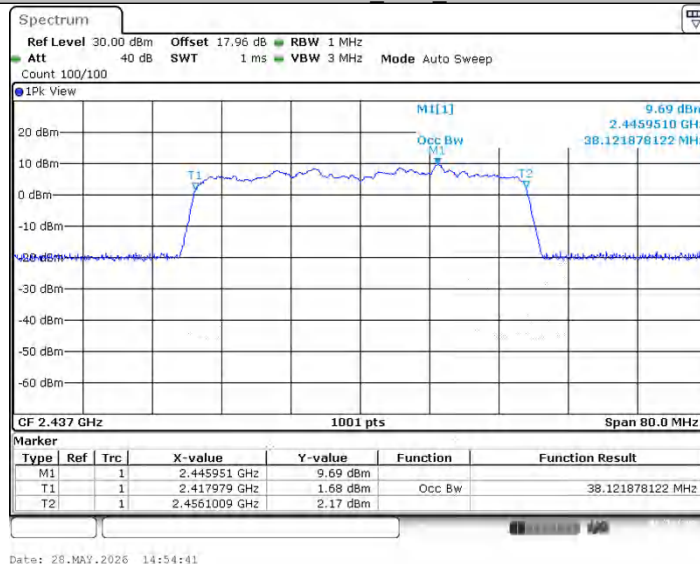
11AX20MIMO_Ant1_2462



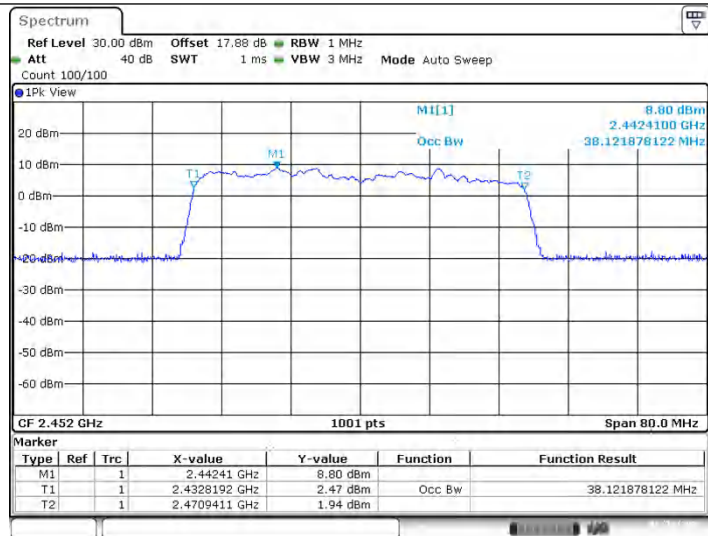
11AX40MIMO_Ant1_2422



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant1_2452



Date: 26.MAY.2026 15:01:02

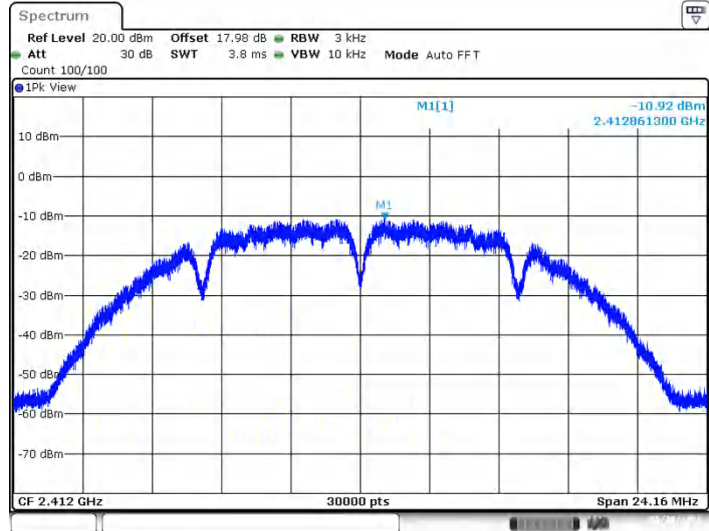
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.92	≤8.00	PASS
		2437	-11.10	≤8.00	PASS
		2462	-11.20	≤8.00	PASS
11G	Ant1	2412	-13.38	≤8.00	PASS
		2437	-13.13	≤8.00	PASS
		2462	-13.17	≤8.00	PASS
11N20MIMO	Ant1	2412	-13.65	≤8.00	PASS
	Ant2	2412	-13.29	≤8.00	PASS
	total	2412	-10.46	≤8.00	PASS
	Ant1	2437	-13.63	≤8.00	PASS
	Ant2	2437	-13.95	≤8.00	PASS
	total	2437	-10.78	≤8.00	PASS
	Ant1	2462	-13.47	≤8.00	PASS
	Ant2	2462	-14.29	≤8.00	PASS
	total	2462	-10.85	≤8.00	PASS
11N40MIMO	Ant1	2422	-15.23	≤8.00	PASS
	Ant2	2422	-16.34	≤8.00	PASS
	total	2422	-12.74	≤8.00	PASS
	Ant1	2437	-14.67	≤8.00	PASS
	Ant2	2437	-15.69	≤8.00	PASS
	total	2437	-12.14	≤8.00	PASS
	Ant1	2452	-13.67	≤8.00	PASS
	Ant2	2452	-15.94	≤8.00	PASS
	total	2452	-11.65	≤8.00	PASS
11AX20MIMO	Ant1	2412	-12.02	≤8.00	PASS
	Ant2	2412	-14.46	≤8.00	PASS
	total	2412	-10.06	≤8.00	PASS
	Ant1	2437	-12.23	≤8.00	PASS
	Ant2	2437	-15.03	≤8.00	PASS
	total	2437	-10.40	≤8.00	PASS
	Ant1	2462	-12.86	≤8.00	PASS
	Ant2	2462	-15.23	≤8.00	PASS
	total	2462	-10.87	≤8.00	PASS
11AX40MIMO	Ant1	2422	-15.01	≤8.00	PASS
	Ant2	2422	-17.34	≤8.00	PASS
	total	2422	-13.01	≤8.00	PASS
	Ant1	2437	-15.61	≤8.00	PASS
	Ant2	2437	-17.47	≤8.00	PASS
	total	2437	-13.43	≤8.00	PASS
	Ant1	2452	-15.12	≤8.00	PASS
	Ant2	2452	-17.88	≤8.00	PASS
	total	2452	-13.27	≤8.00	PASS

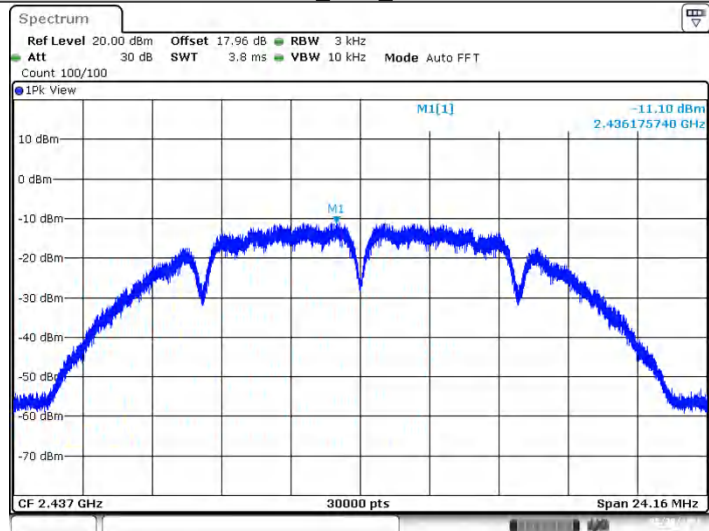
Test Graphs

11B_Ant1_2412



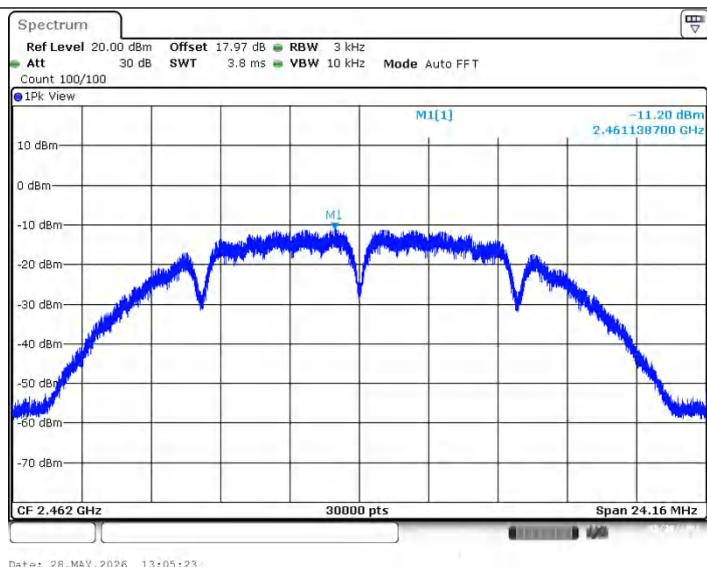
Date: 28.MAY.2026 12:55:53

11B_Ant1_2437

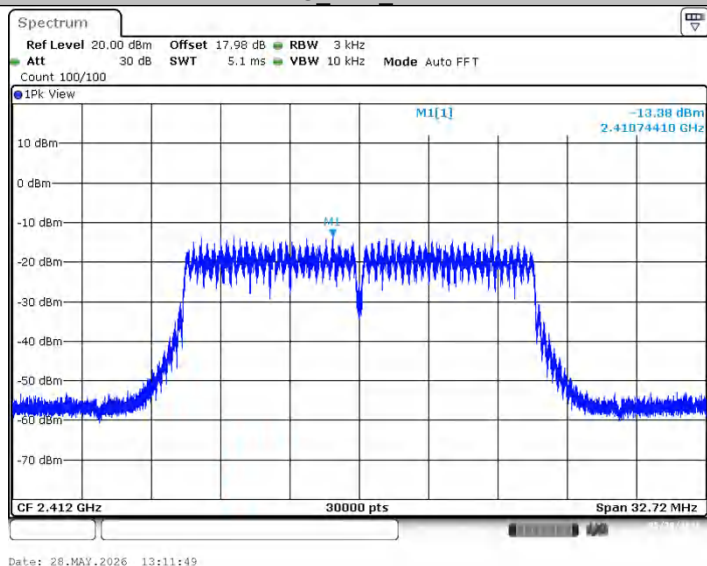


Date: 28.MAY.2026 13:03:02

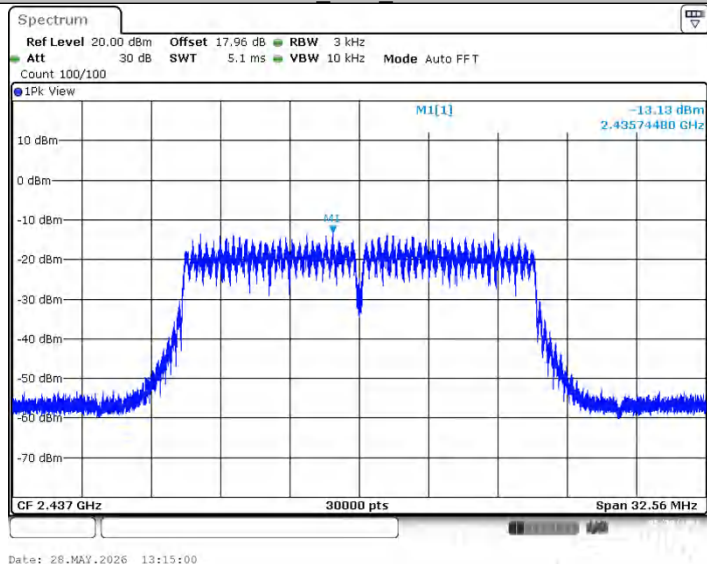
11B_Ant1_2462



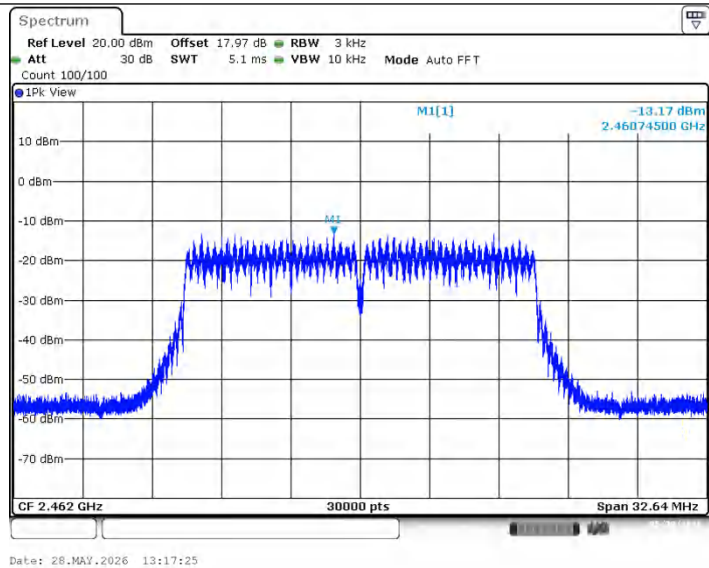
11G_Ant1_2412



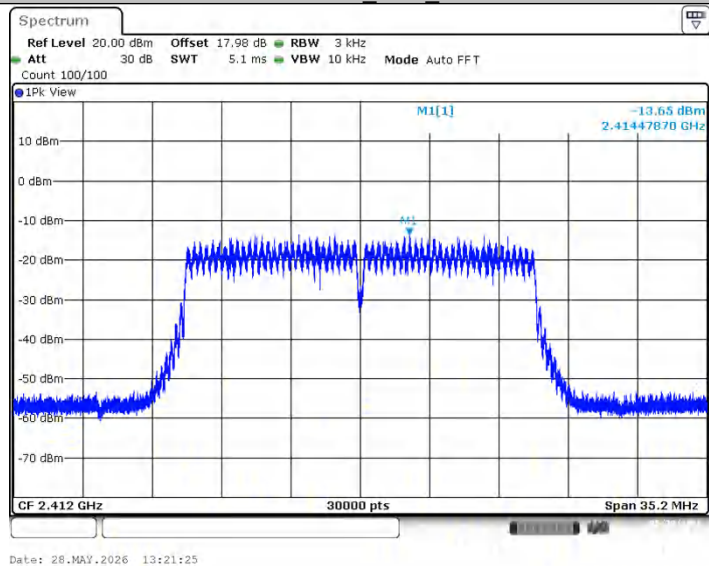
11G_Ant1_2437



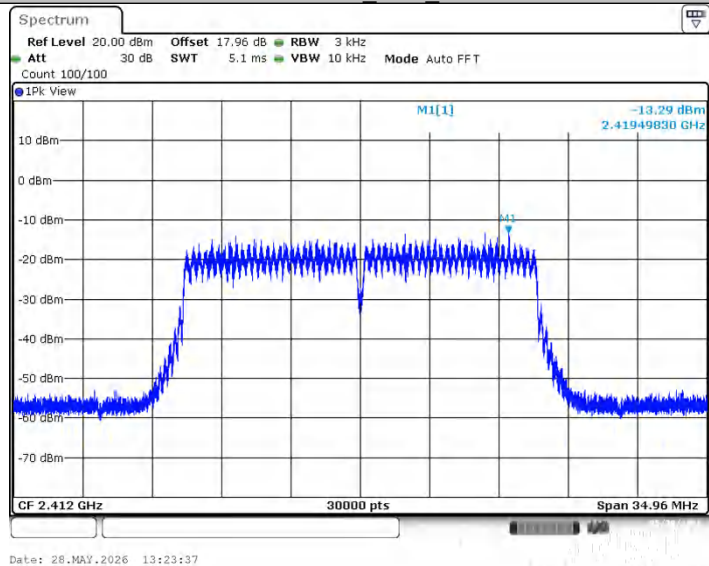
11G_Ant1_2462



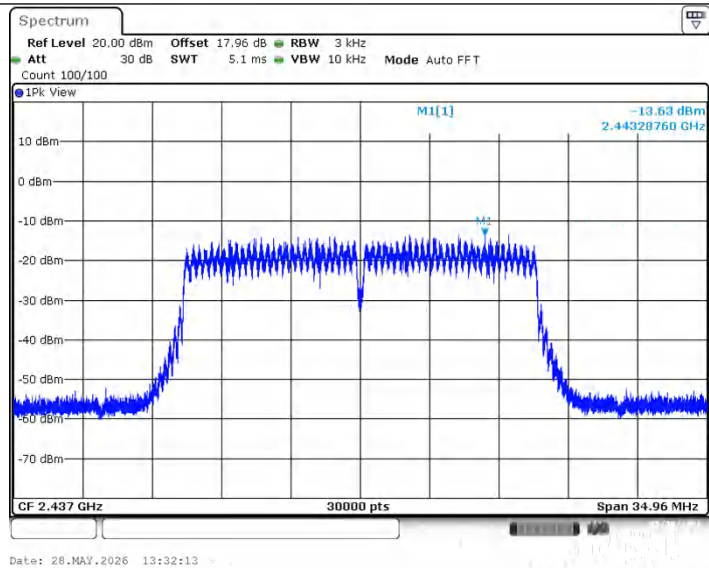
11N20MIMO_Ant1_2412



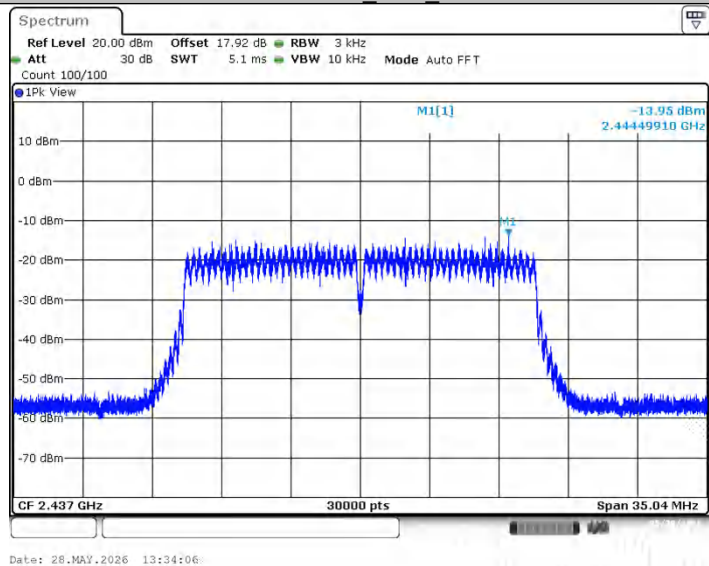
11N20MIMO_Ant2_2412



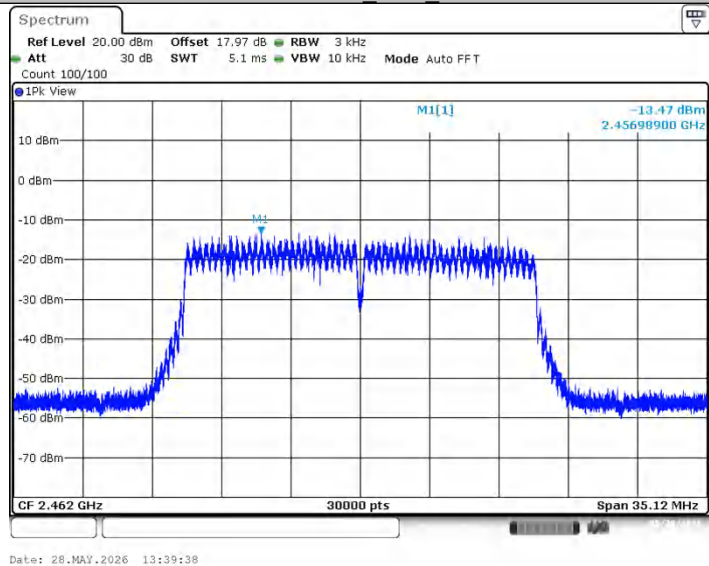
11N20MIMO_Ant1_2437



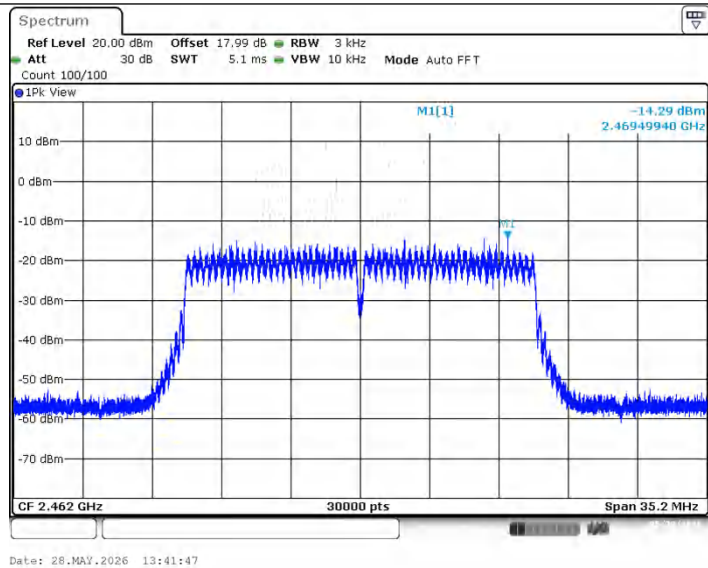
11N20MIMO_Ant2_2437



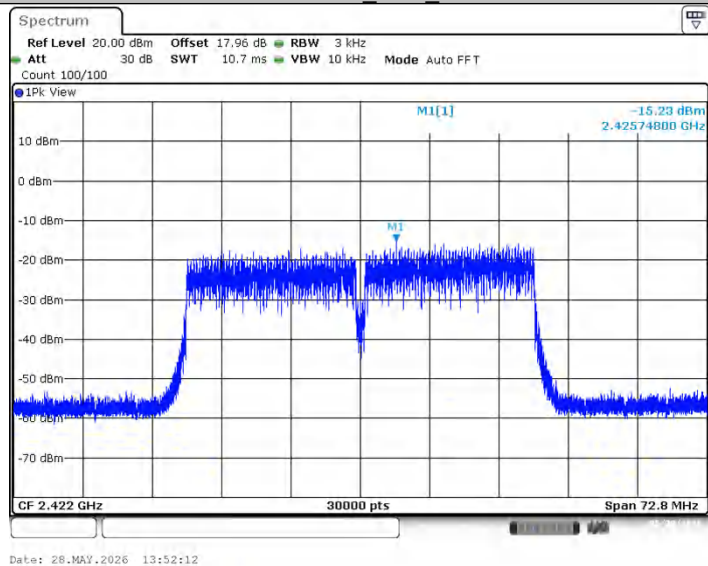
11N20MIMO_Ant1_2462



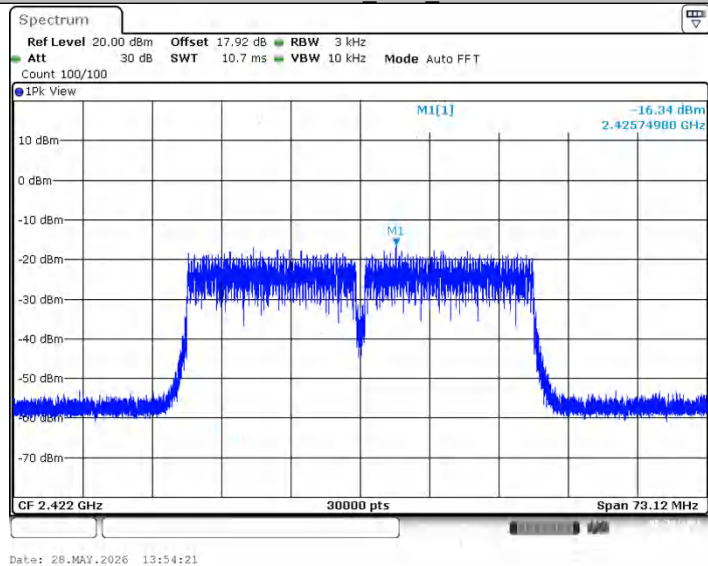
11N20MIMO_Ant2_2462



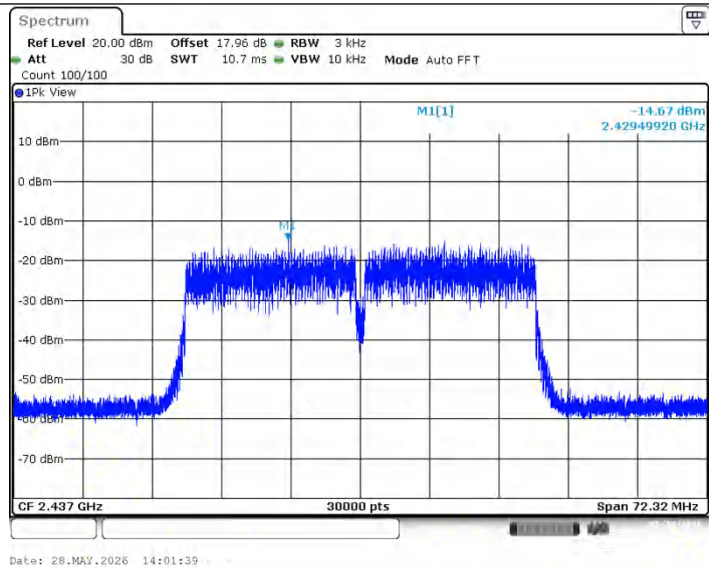
11N40MIMO_Ant1_2422



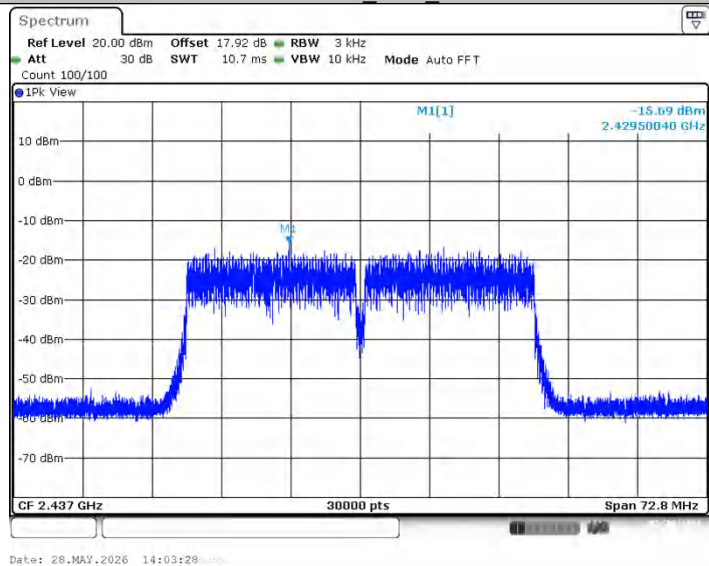
11N40MIMO_Ant2_2422



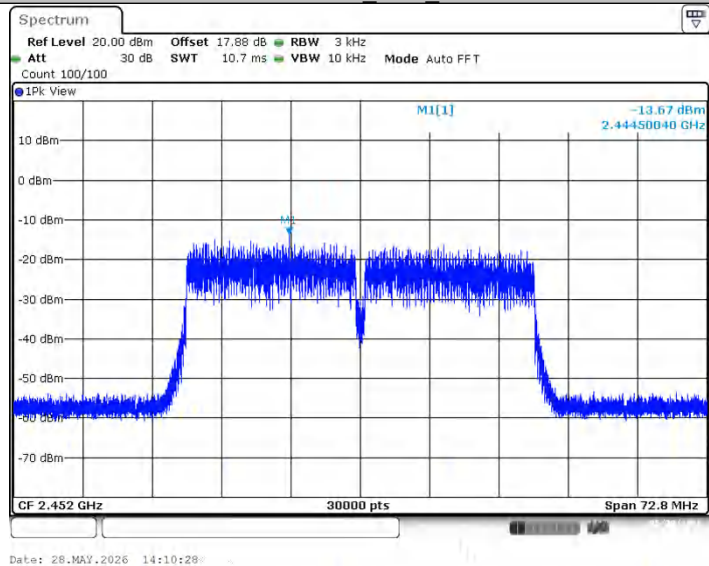
11N40MIMO_Ant1_2437



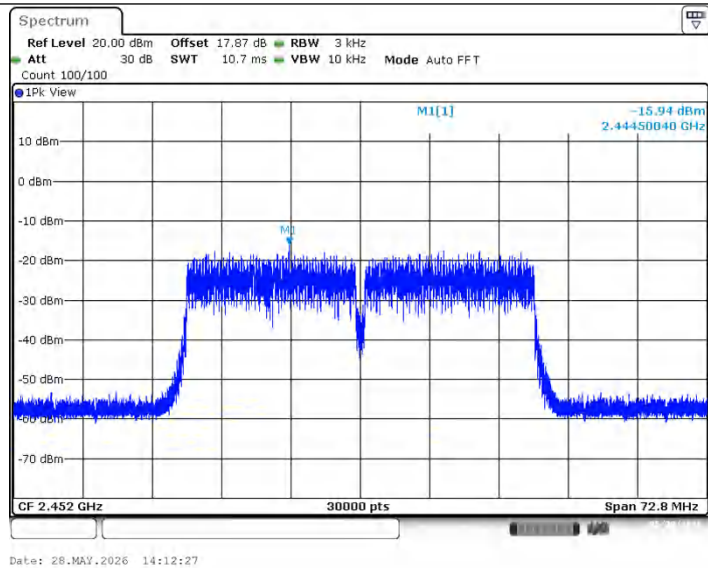
11N40MIMO_Ant2_2437



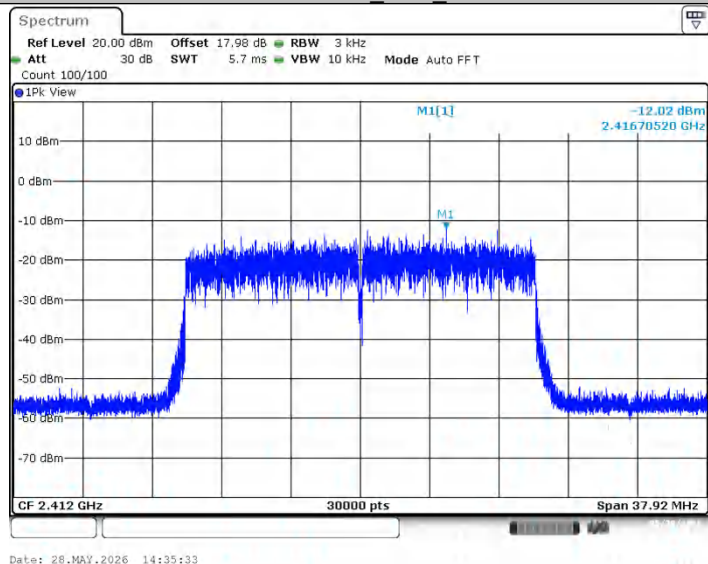
11N40MIMO_Ant1_2452



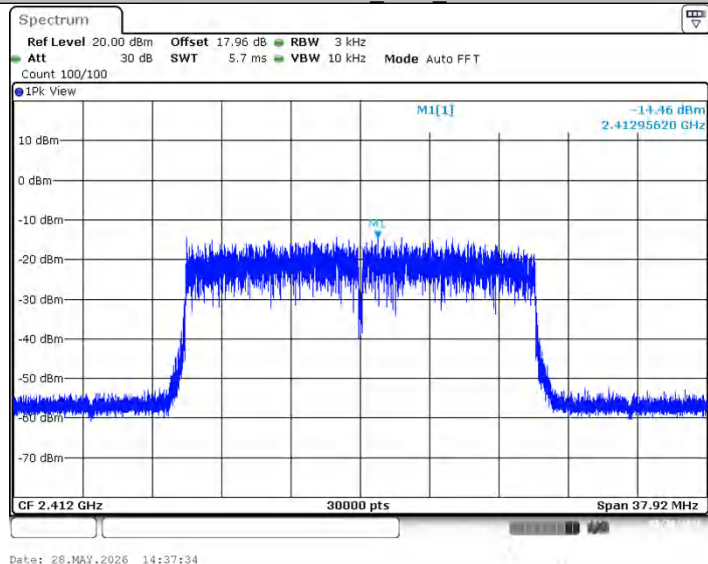
11N40MIMO_Ant2_2452



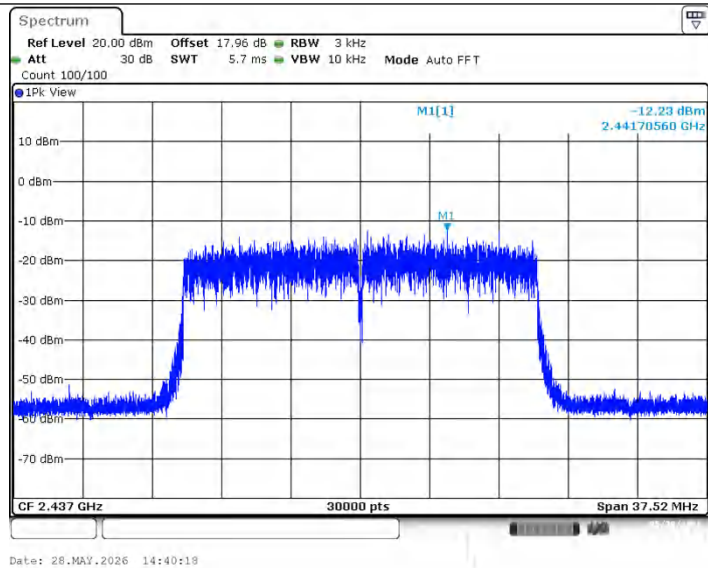
11AX20MIMO_Ant1_2412



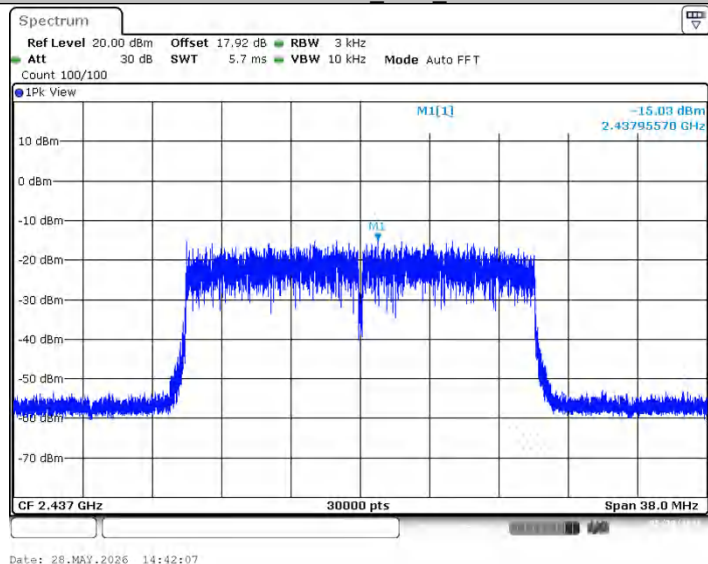
11AX20MIMO_Ant2_2412



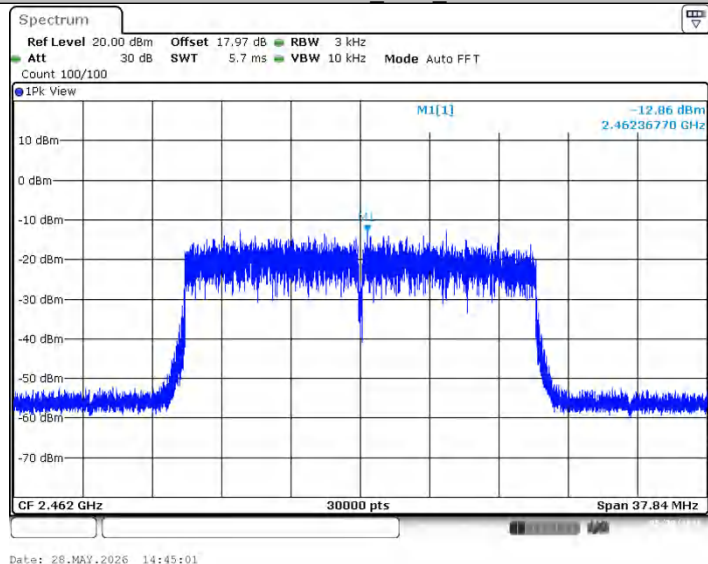
11AX20MIMO_Ant1_2437



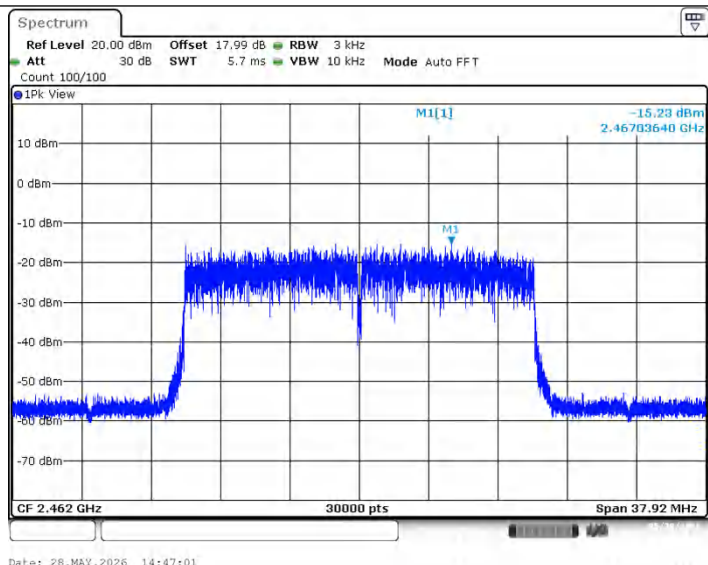
11AX20MIMO_Ant2_2437



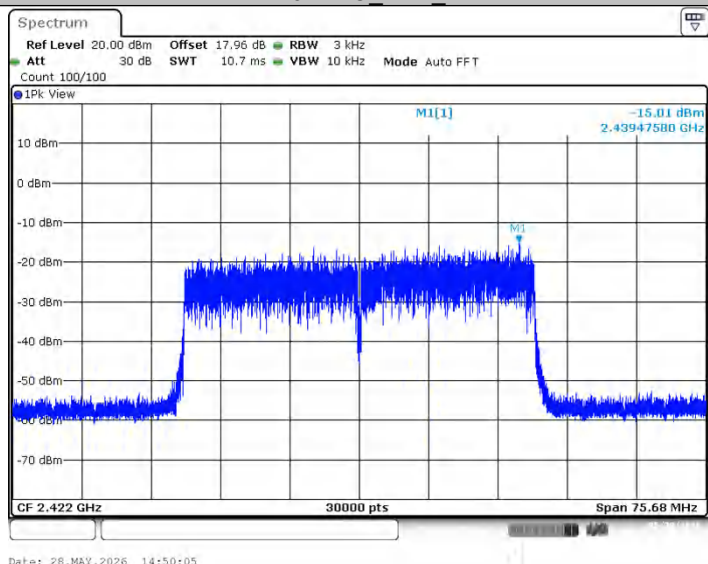
11AX20MIMO_Ant1_2462



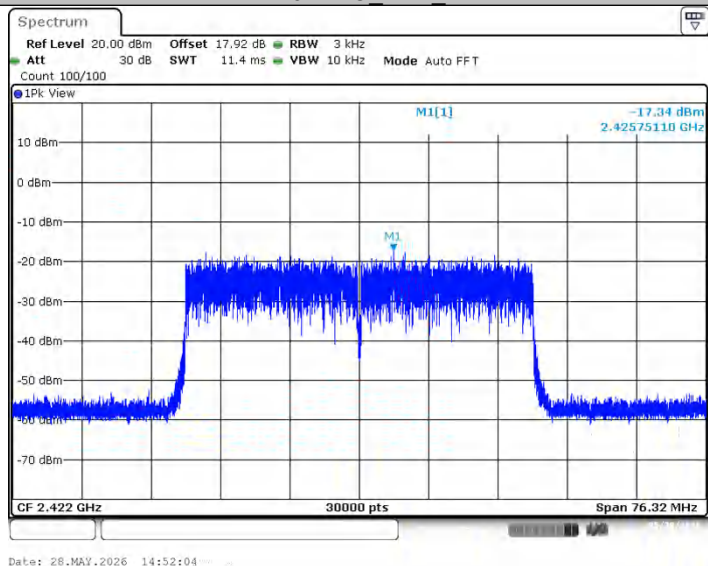
11AX20MIMO_Ant2_2462



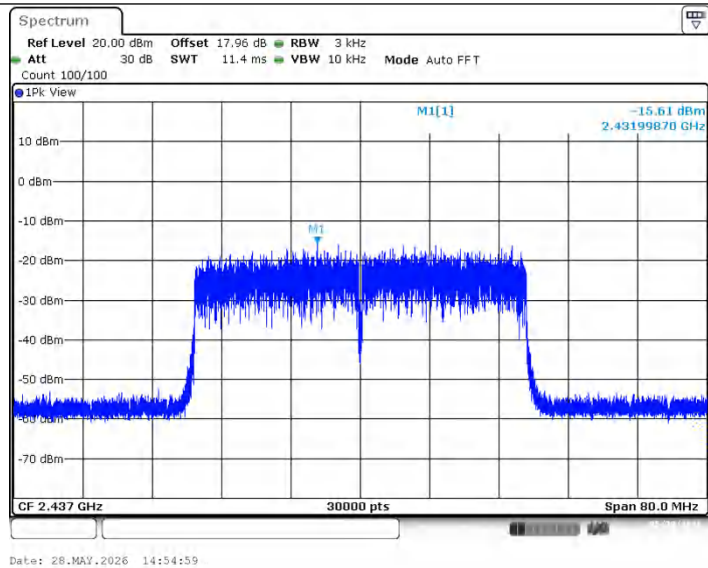
11AX40MIMO_Ant1_2422



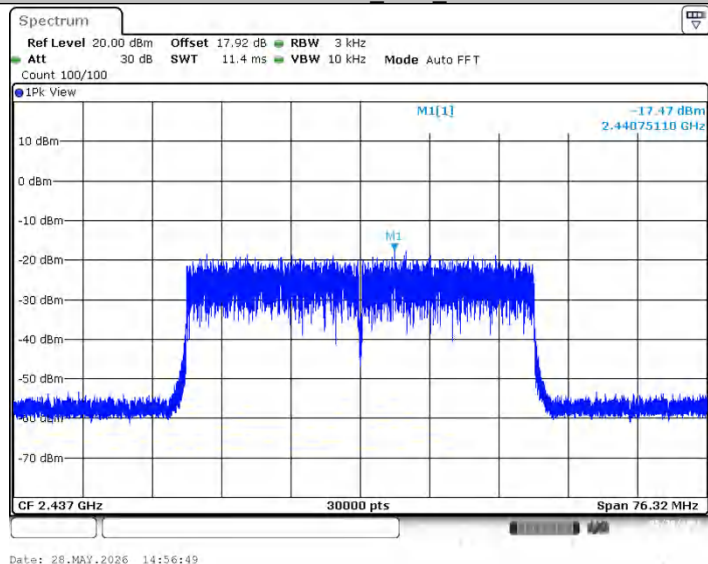
11AX40MIMO_Ant2_2422



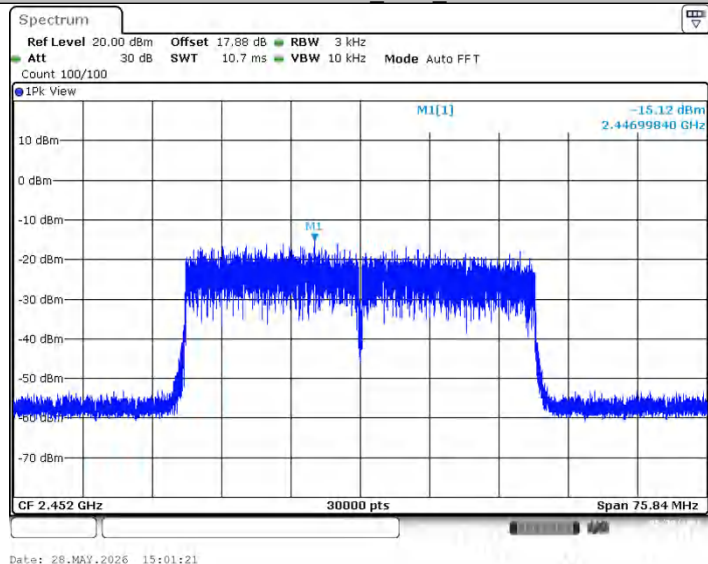
11AX40MIMO_Ant1_2437



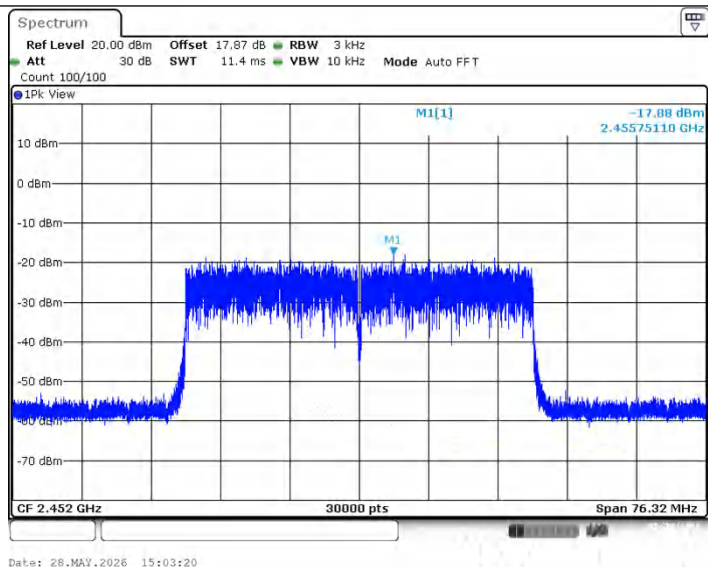
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



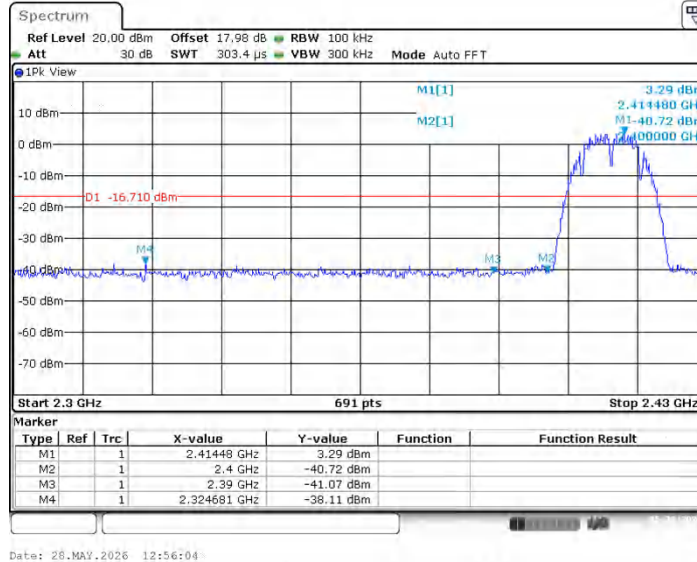
Appendix A.4: Test Results of Band Edge Measurements

Test Result

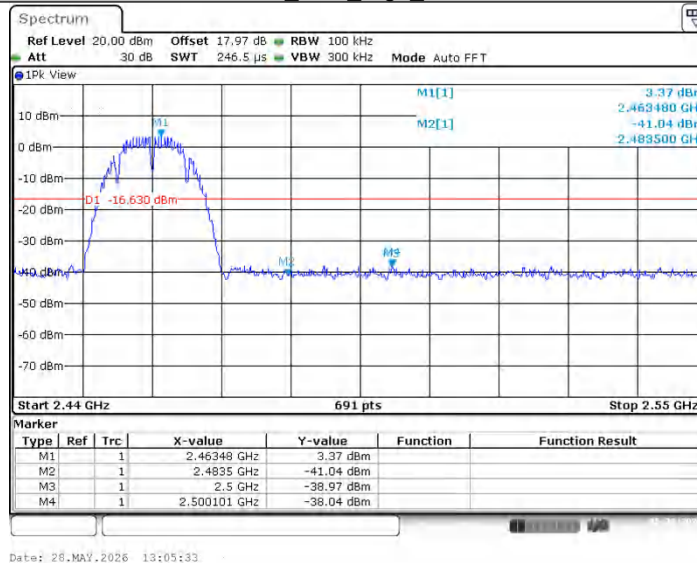
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.29	-38.11	≤-16.71	PASS
		High	2462	3.37	-38.04	≤-16.63	PASS
11G	Ant1	Low	2412	1.49	-38.41	≤-18.51	PASS
		High	2462	2.29	-38.47	≤-17.71	PASS
11N20MIMO	Ant1	Low	2412	1.98	-38.59	≤-18.02	PASS
		High	2462	1.71	-37.05	≤-18.29	PASS
11N40MIMO	Ant1	Low	2422	0.19	-38.09	≤-19.81	PASS
		High	2452	-0.36	-37.53	≤-20.36	PASS
11AX20MIMO	Ant1	Low	2412	2.23	-37.37	≤-17.77	PASS
		High	2462	1.64	-38.69	≤-18.36	PASS
11AX40MIMO	Ant1	Low	2422	-0.39	-38.74	≤-20.39	PASS
		High	2452	-0.67	-38.15	≤-20.67	PASS

Test Graphs

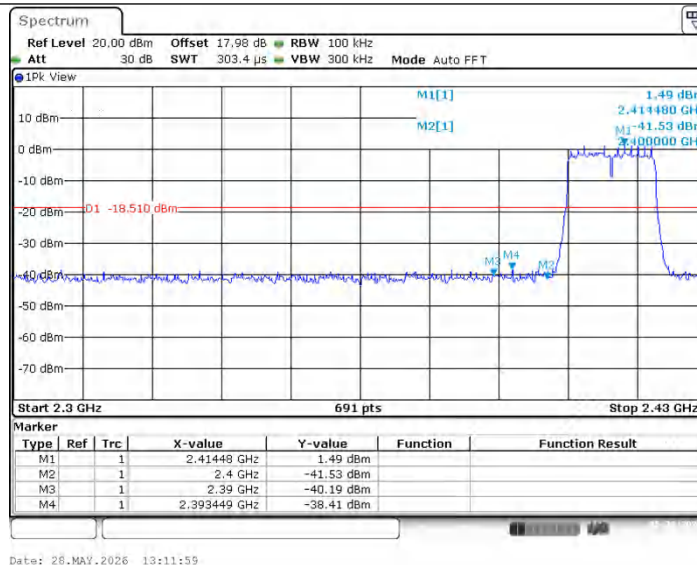
11B_Ant1_Low_2412



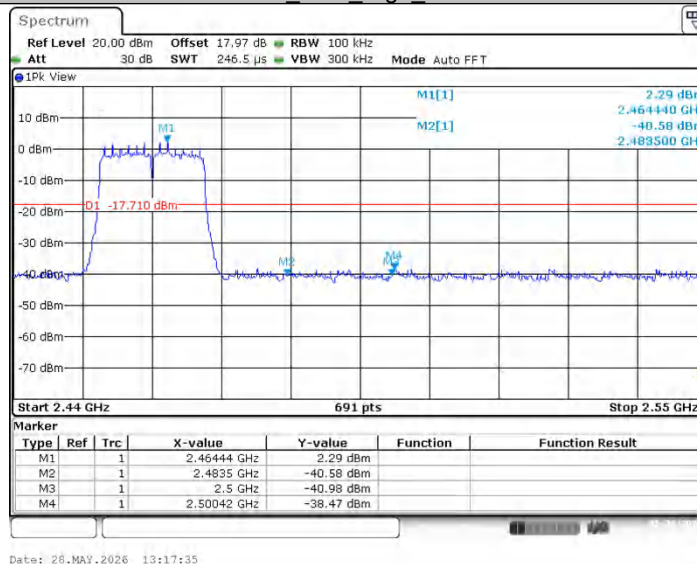
11B_Ant1_High_2462



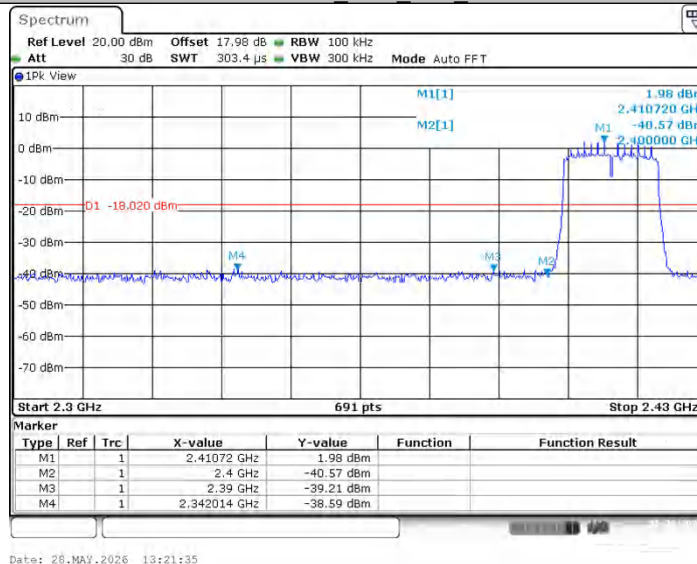
11G_Ant1_Low_2412



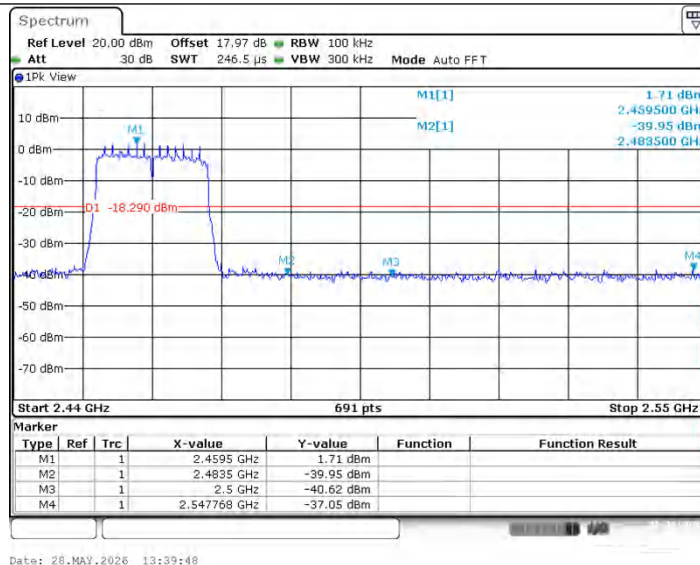
11G Ant1 High 2462



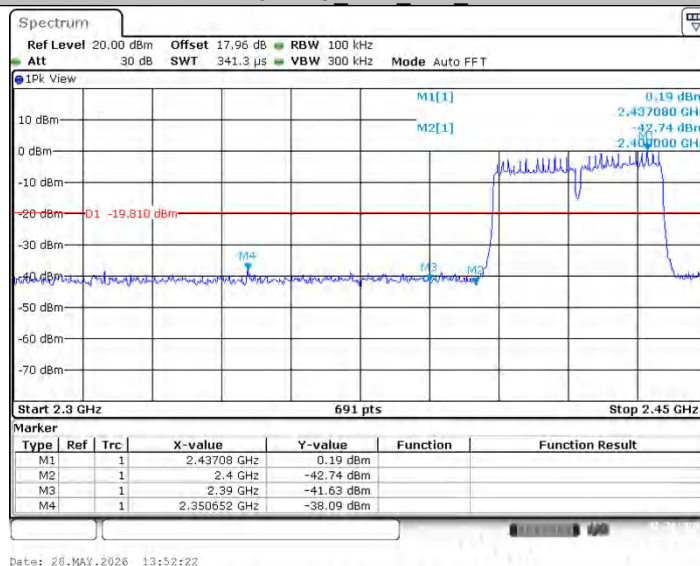
11N20MIMO Ant1 Low 2412



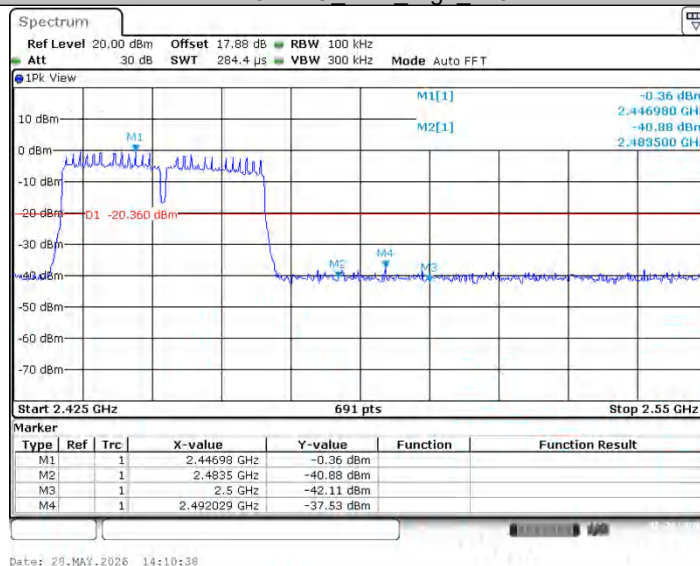
11N20MIMO Ant1 High 2462



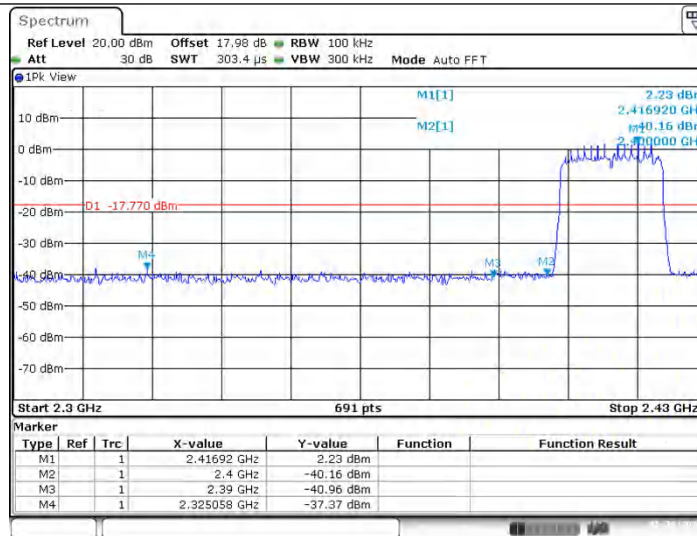
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant1_High_2452

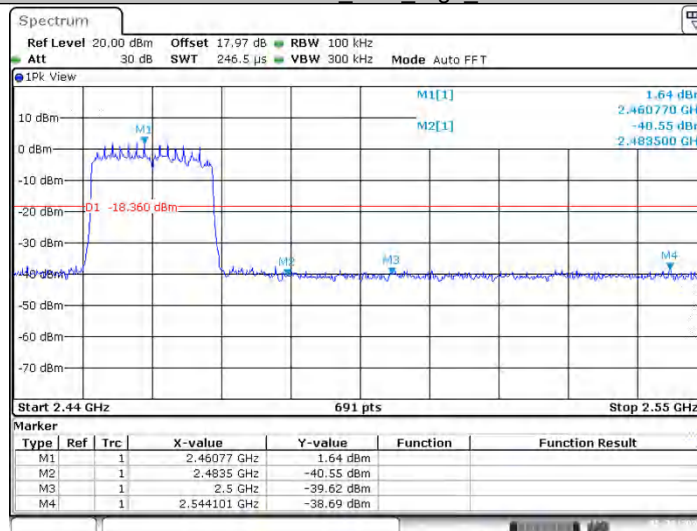


11AX20MIMO_Ant1_Low_2412



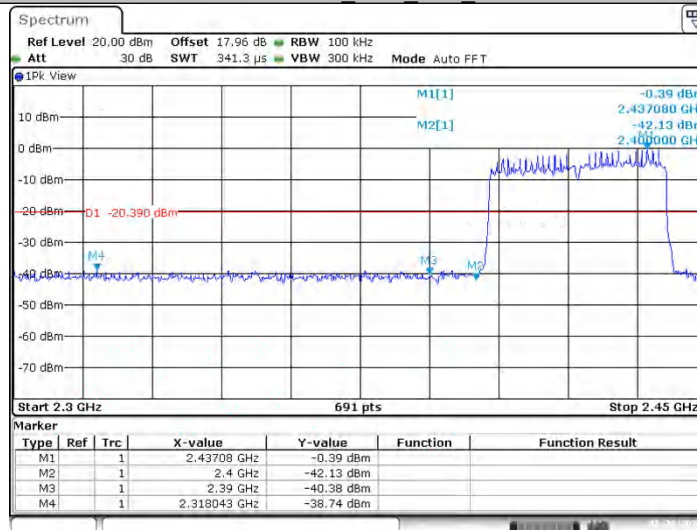
Date: 26.MAY.2026 14:35:44

11AX20MIMO_Ant1_High_2462



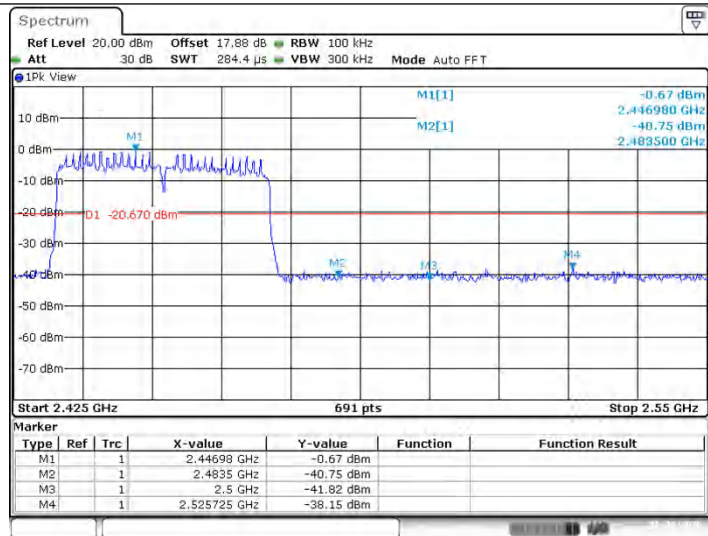
Date: 26.MAY.2026 14:45:11

11AX40MIMO_Ant1_Low_2422



Date: 26.MAY.2026 14:50:15

11AX40MIMO_Ant1_High_2452



Date: 26.MAY.2026 15:01:31

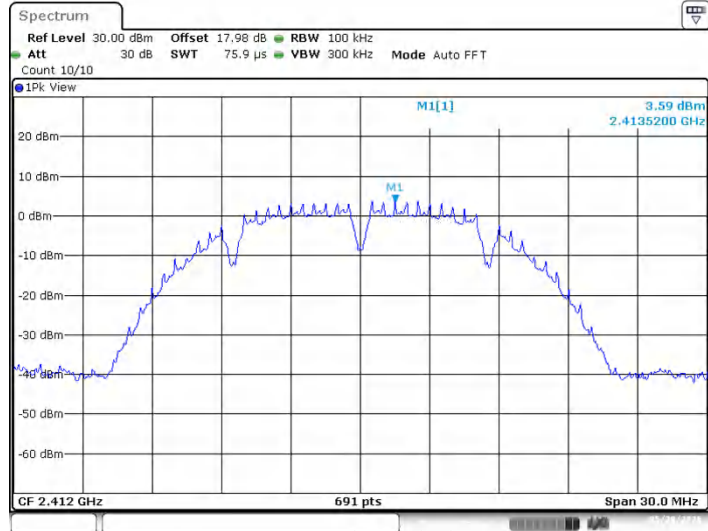
Appendix A.5: Test Results of Conducted Spurious Emissions

Test Result

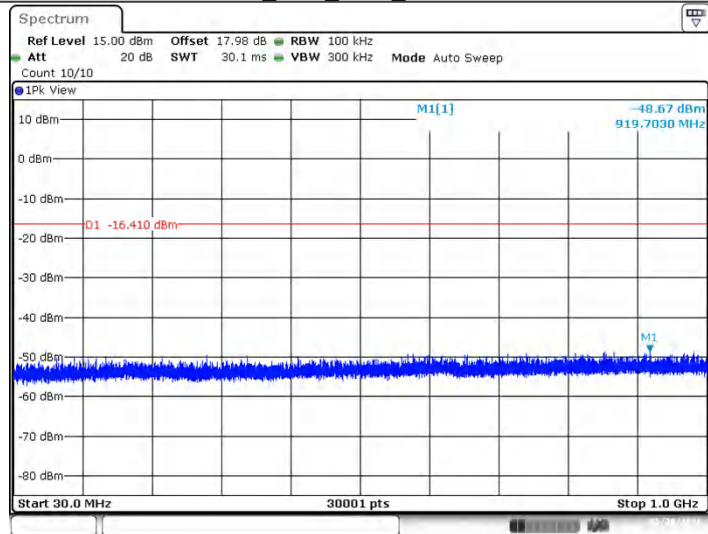
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.59	3.59	---	PASS
			30~1000	3.59	-48.67	≤-16.41	PASS
			1000~26500	3.59	-42.98	≤-16.41	PASS
		2437	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-48.58	≤-16.1	PASS
			1000~26500	3.90	-43.03	≤-16.1	PASS
		2462	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-48.55	≤-16.37	PASS
			1000~26500	3.63	-43.23	≤-16.37	PASS
11G	Ant1	2412	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-48.71	≤-18.04	PASS
			1000~26500	1.96	-42.95	≤-18.04	PASS
		2437	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-48.59	≤-17.79	PASS
			1000~26500	2.21	-42.83	≤-17.79	PASS
		2462	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-48.03	≤-17.86	PASS
			1000~26500	2.14	-43.12	≤-17.86	PASS
11N20MIMO	Ant1	2412	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-48.66	≤-17.97	PASS
			1000~26500	2.03	-43	≤-17.97	PASS
		2437	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-49.06	≤-17.53	PASS
			1000~26500	2.47	-42.5	≤-17.53	PASS
		2462	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-48.81	≤-17.74	PASS
			1000~26500	2.26	-43.04	≤-17.74	PASS
11N40MIMO	Ant1	2422	Reference	0.13	0.13	---	PASS
			30~1000	0.13	-48.15	≤-19.87	PASS
			1000~26500	0.13	-42.61	≤-19.87	PASS
		2437	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-48.83	≤-20.8	PASS
			1000~26500	-0.80	-42.42	≤-20.8	PASS
		2452	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-49.01	≤-20.37	PASS
			1000~26500	-0.37	-42.91	≤-20.37	PASS
11AX20MIMO	Ant1	2412	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-48.77	≤-17.73	PASS
			1000~26500	2.27	-42.53	≤-17.73	PASS
		2437	Reference	2.46	2.46	---	PASS
			30~1000	2.46	-48.46	≤-17.54	PASS
			1000~26500	2.46	-42.4	≤-17.54	PASS
		2462	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-48.5	≤-17.88	PASS
			1000~26500	2.12	-42.24	≤-17.88	PASS
11AX40MIMO	Ant1	2422	Reference	0.07	0.07	---	PASS
			30~1000	0.07	-48.18	≤-19.93	PASS
			1000~26500	0.07	-42.81	≤-19.93	PASS
		2437	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-48.84	≤-21.02	PASS
			1000~26500	-1.02	-42.9	≤-21.02	PASS
		2452	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-48.25	≤-20.59	PASS
			1000~26500	-0.59	-42.98	≤-20.59	PASS

Test Graphs

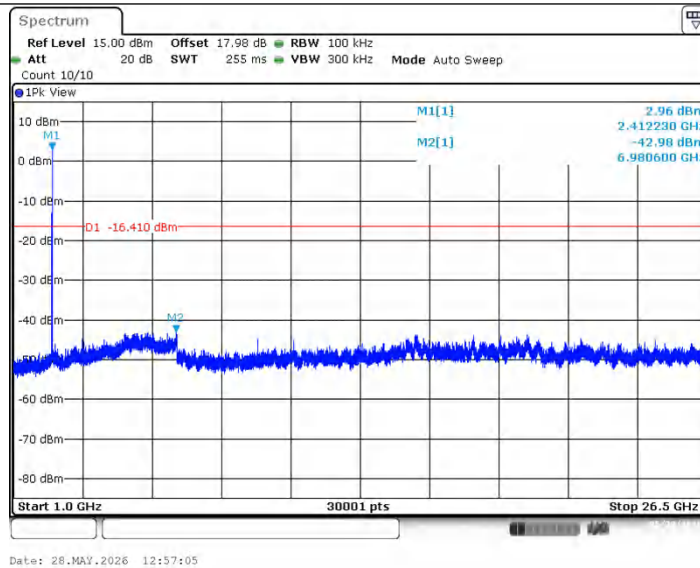
11B_Ant1_2412_0~Reference



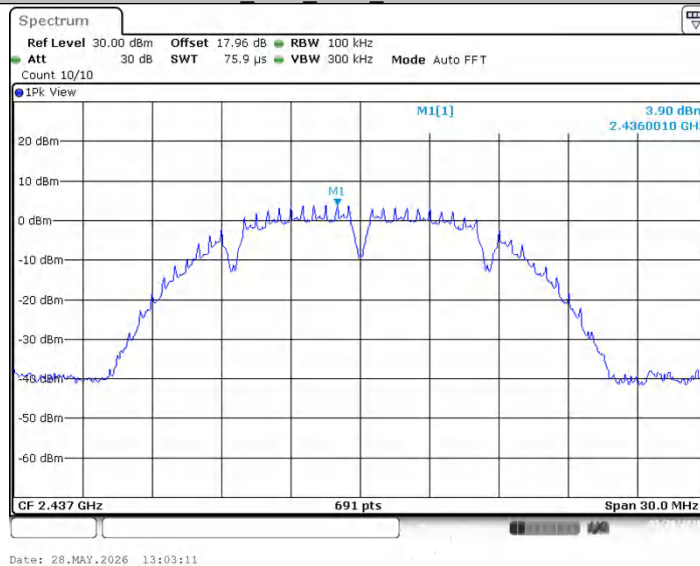
11B_Ant1_2412_30~1000



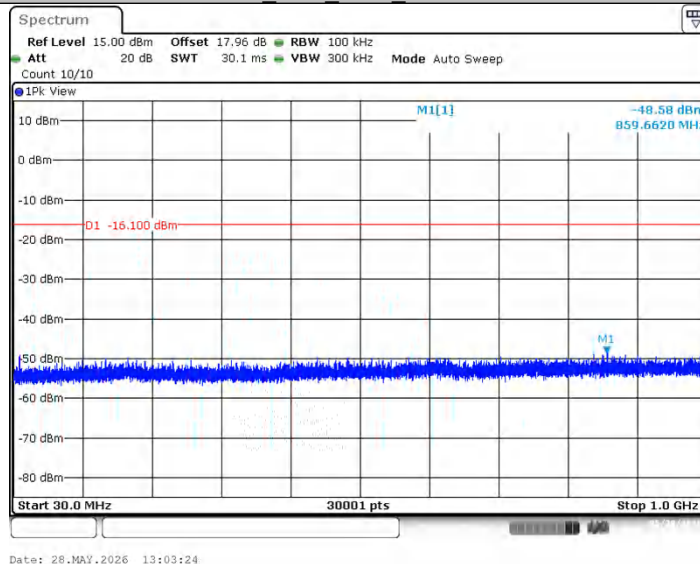
11B_Ant1_2412_1000~26500



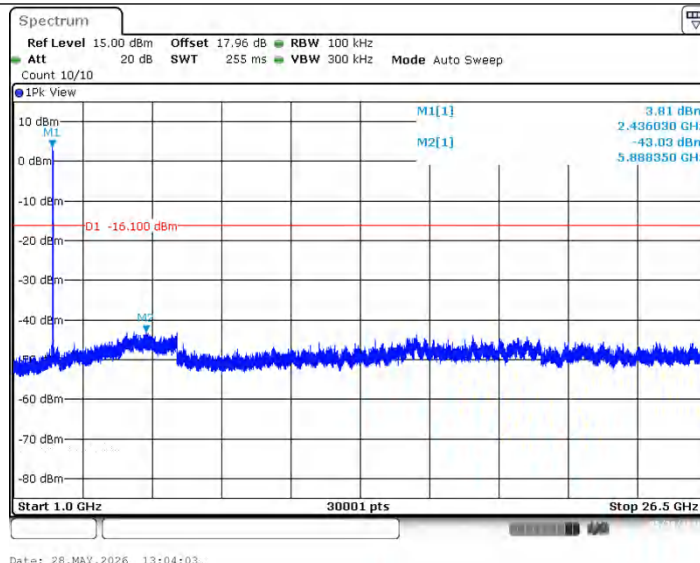
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



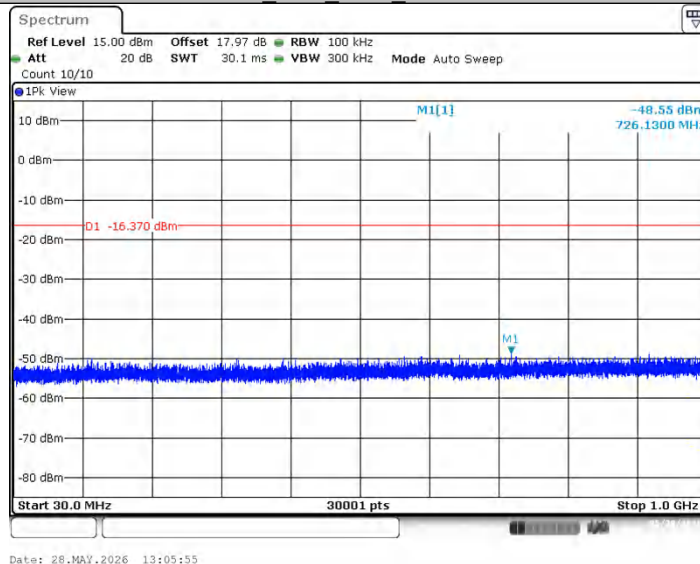
11B_Ant1_2437_1000~26500



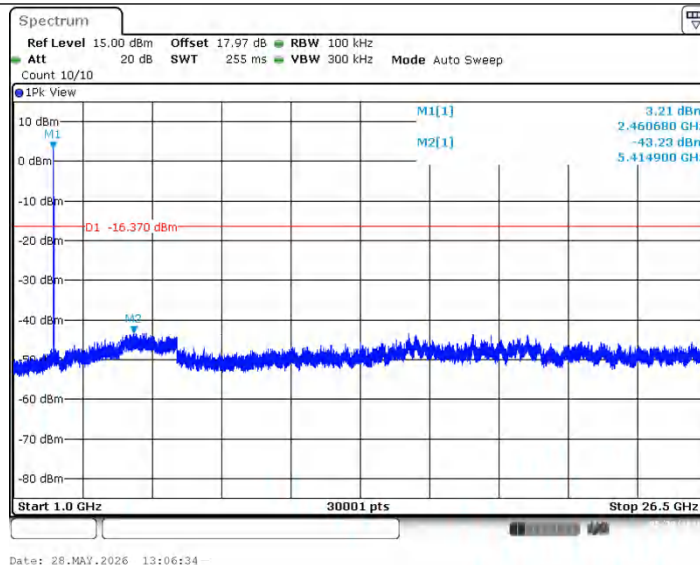
11B_Ant1_2462_0~Reference



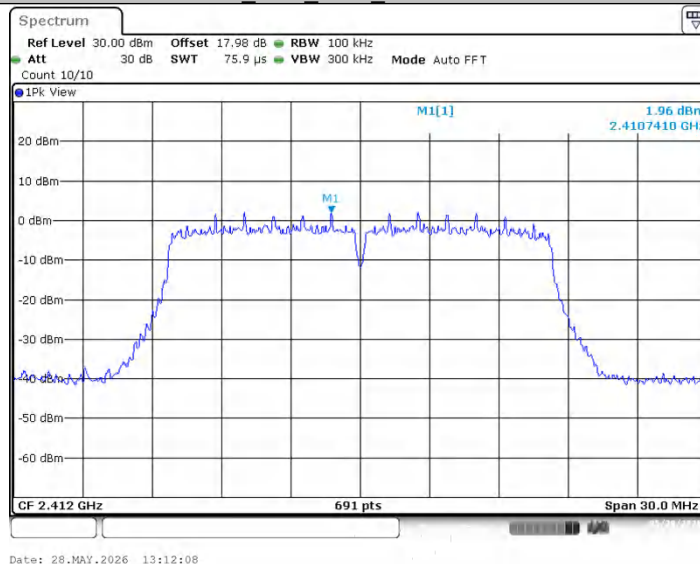
11B_Ant1_2462_30~1000



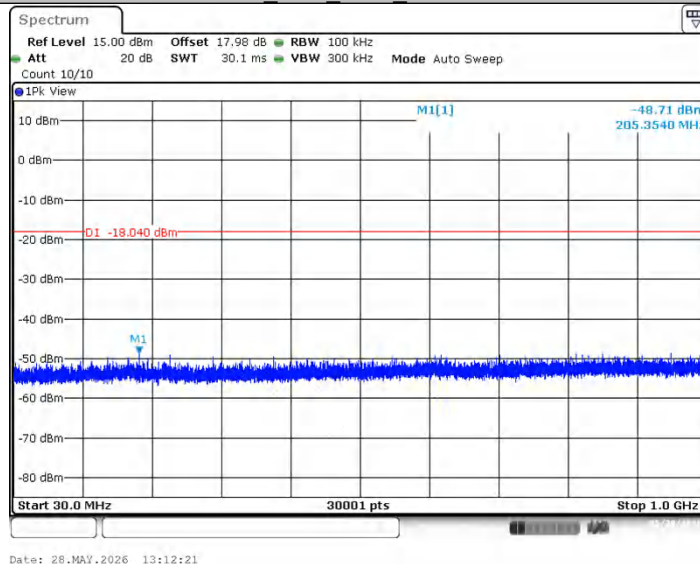
11B_Ant1_2462_1000~26500



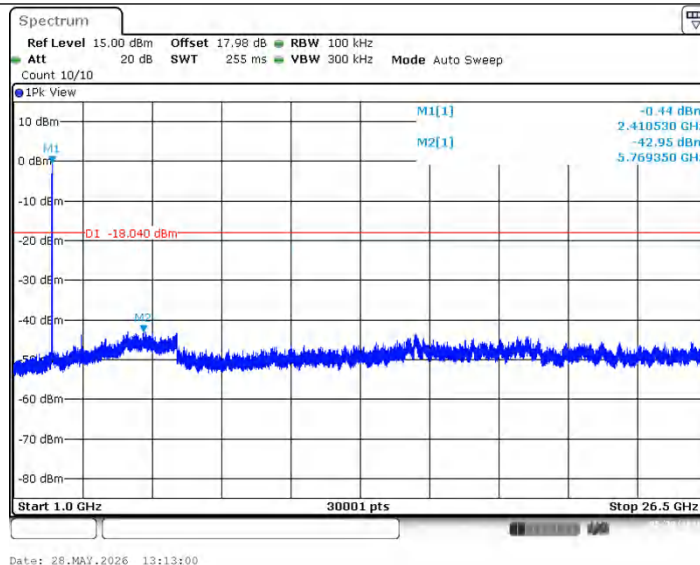
11G_Ant1_2412_0~Reference



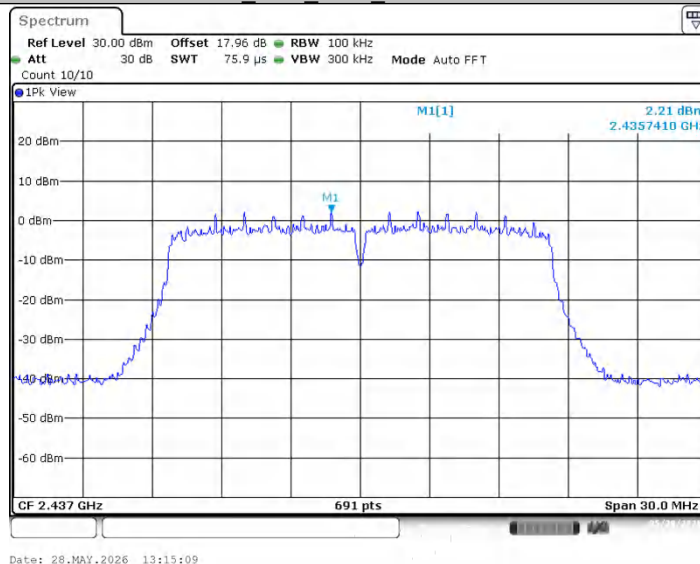
11G_Ant1_2412_30~1000



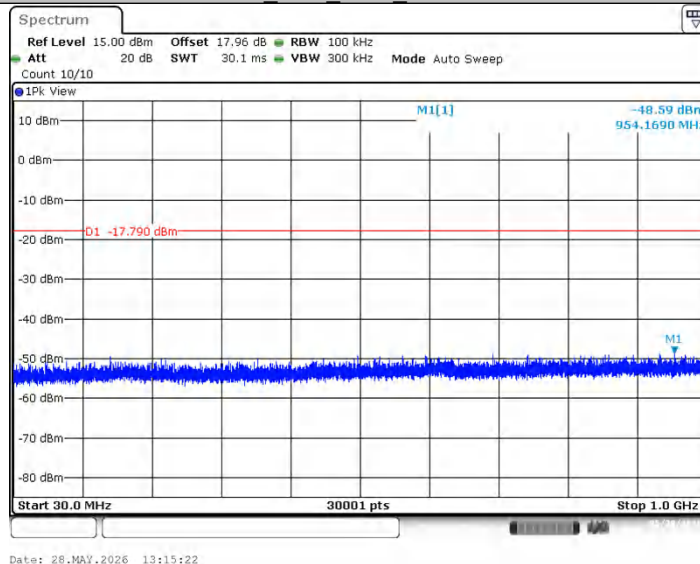
11G_Ant1_2412_1000~26500



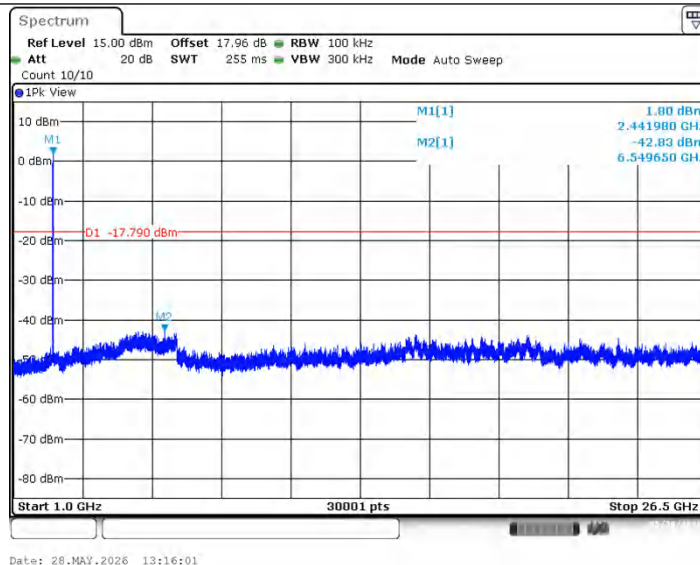
11G_Ant1_2437_0~Reference



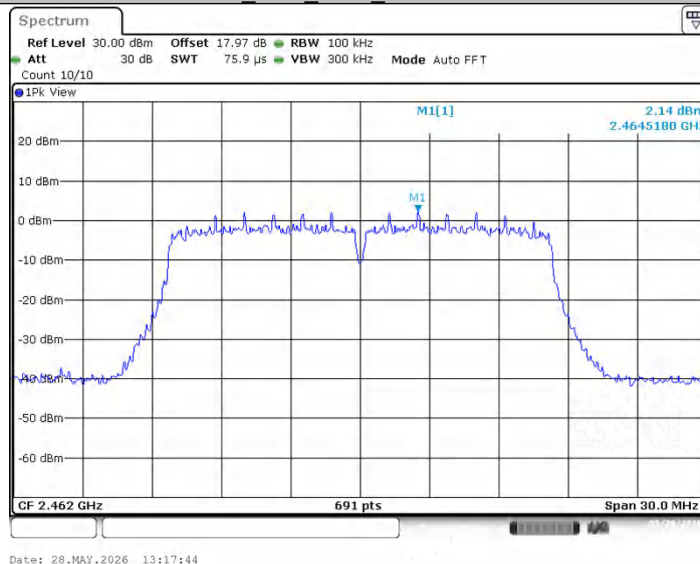
11G_Ant1_2437_30~1000



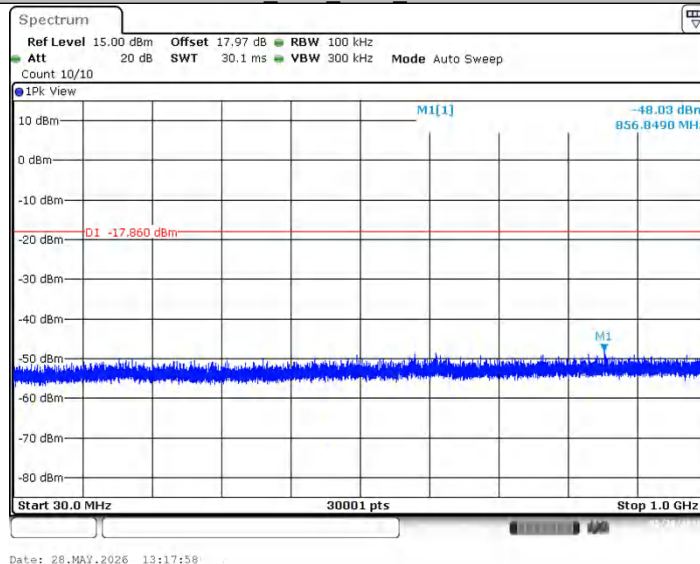
11G_Ant1_2437_1000~26500



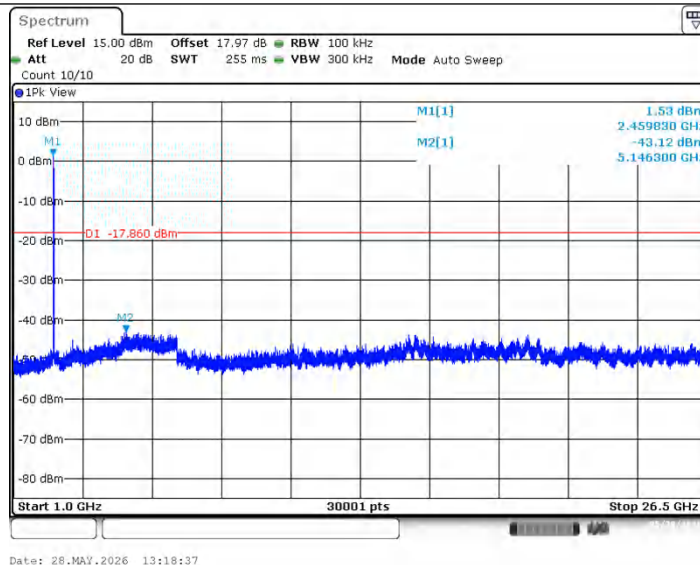
11G_Ant1_2462_0~Reference



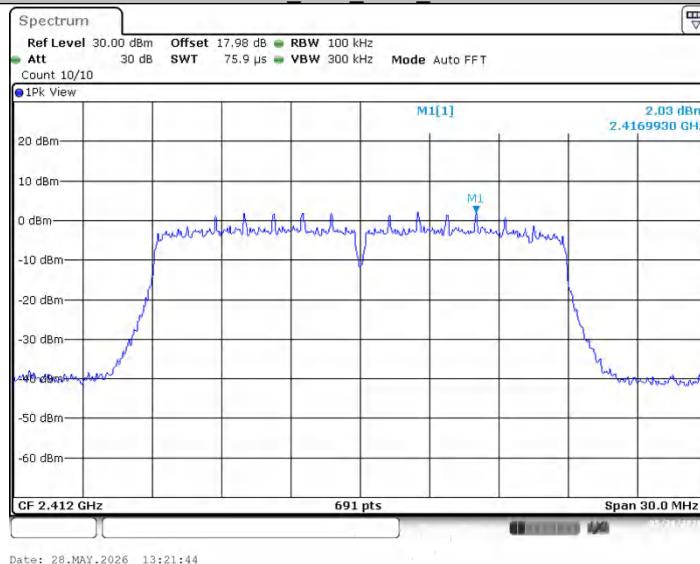
11G_Ant1_2462_30~1000



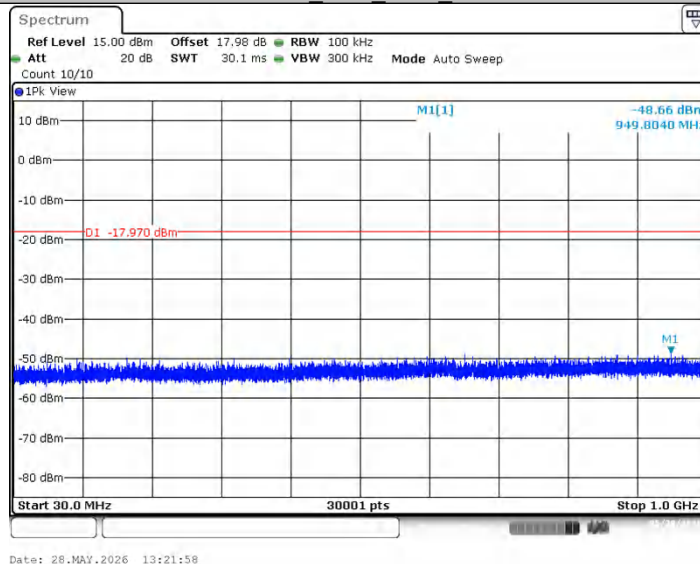
11G_Ant1_2462_1000~26500



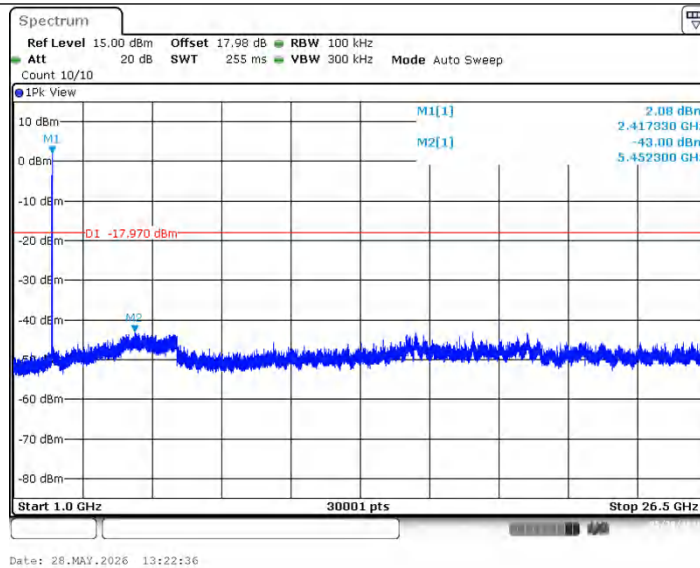
11N20MIMO_Ant1_2412_0~Reference



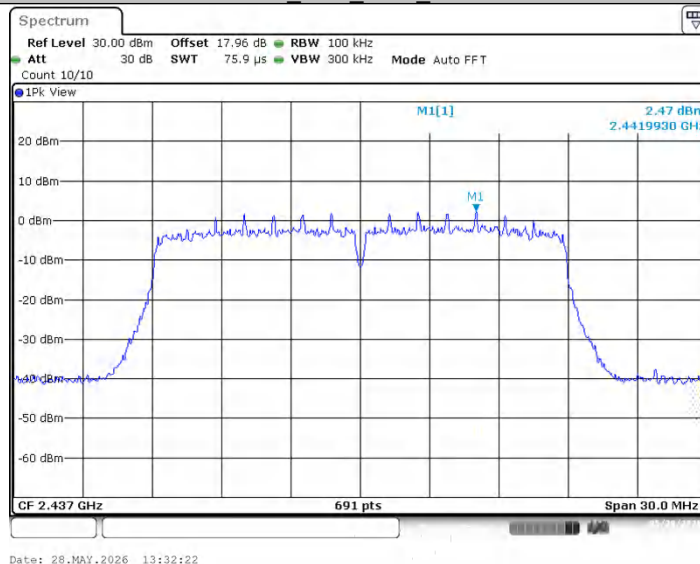
11N20MIMO_Ant1_2412_30~1000



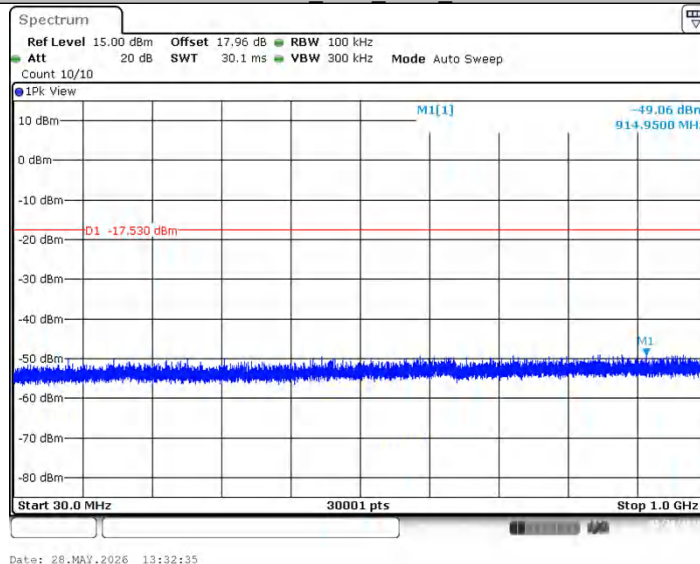
11N20MIMO_Ant1_2412_1000~26500



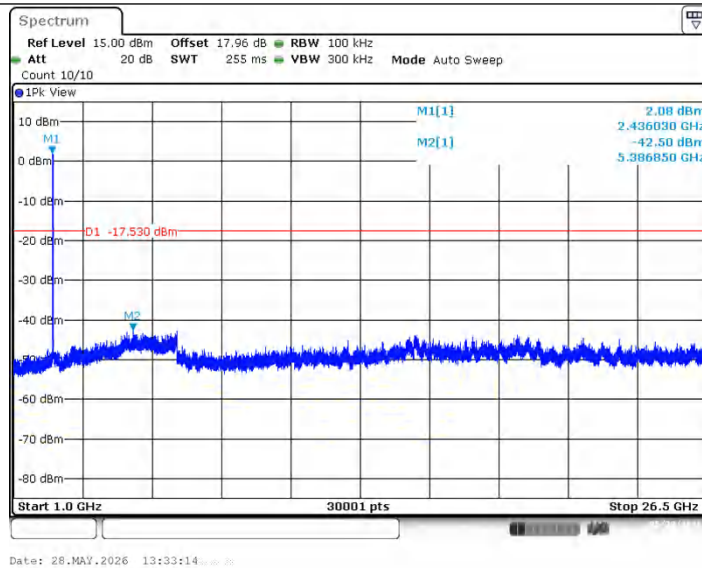
11N20MIMO_Ant1_2437_0~Reference



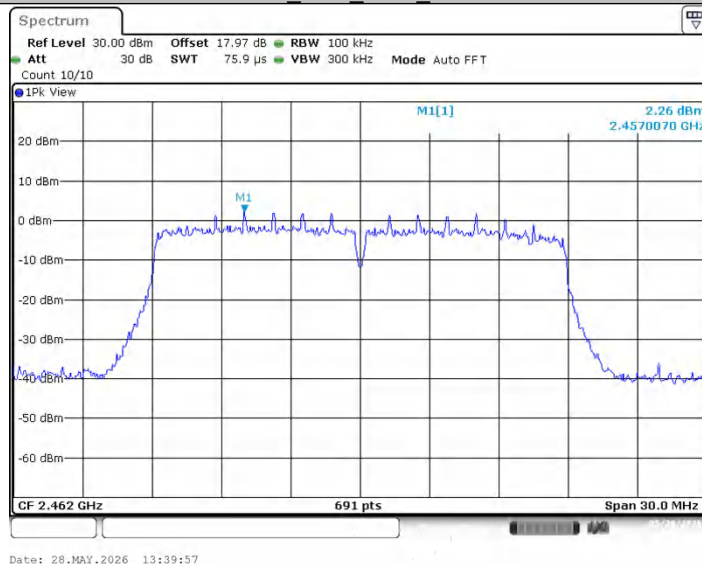
11N20MIMO_Ant1_2437_30~1000



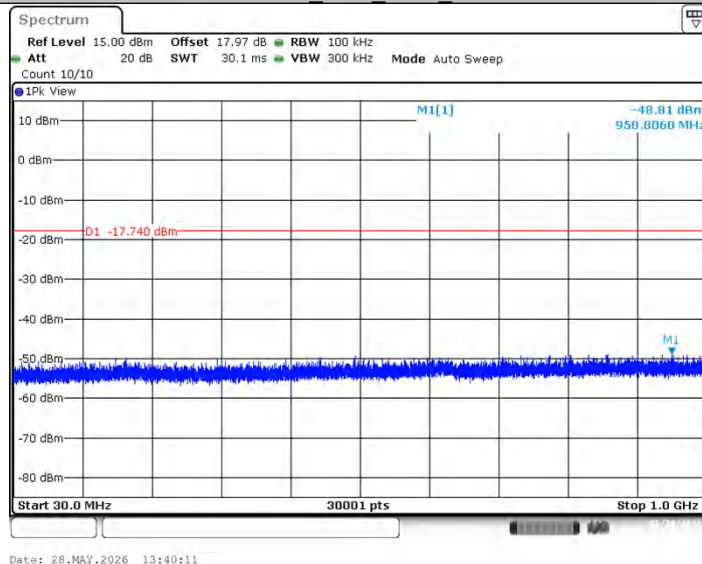
11N20MIMO_Ant1_2437_1000~26500



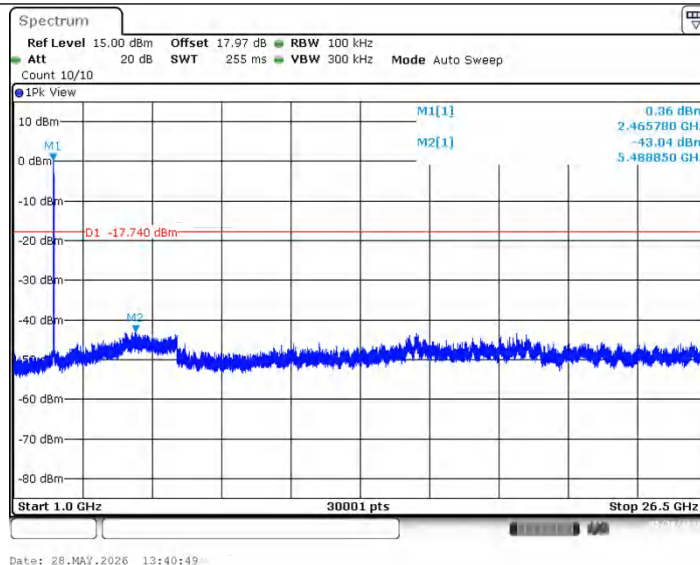
11N20MIMO_Ant1_2462_0~Reference



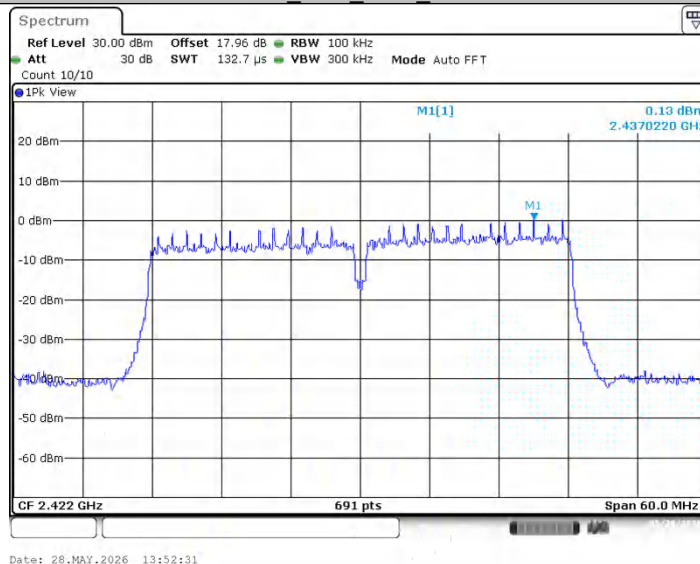
11N20MIMO_Ant1_2462_30~1000



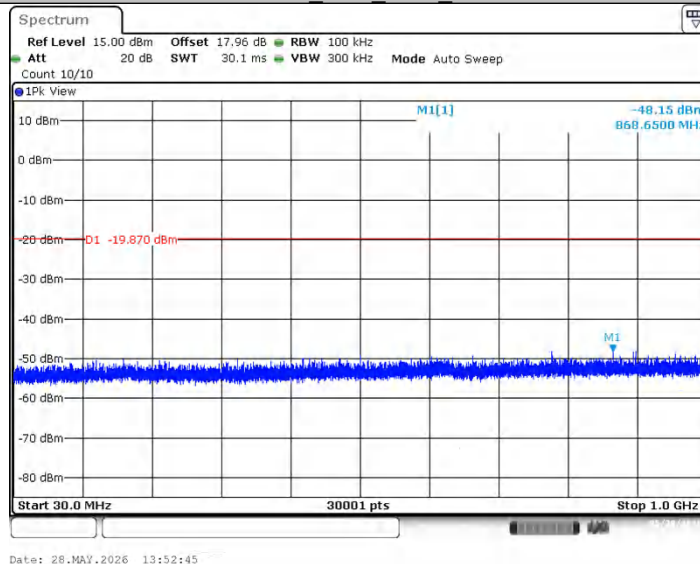
11N20MIMO_Ant1_2462_1000~26500



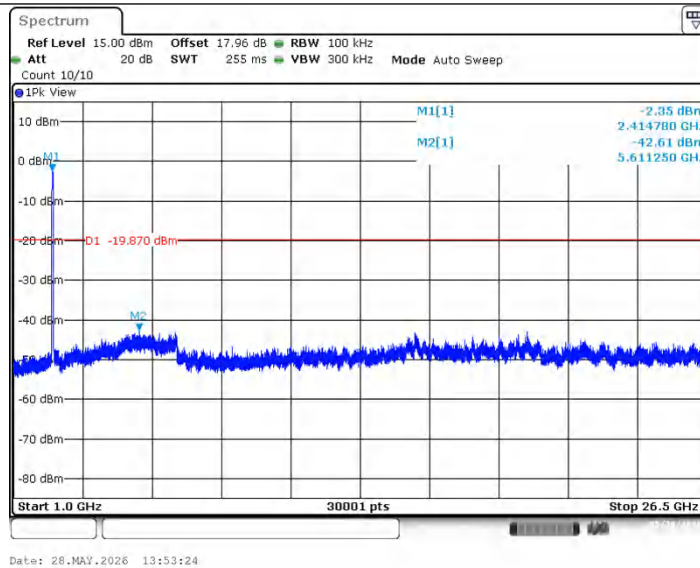
11N40MIMO_Ant1_2422_0~Reference



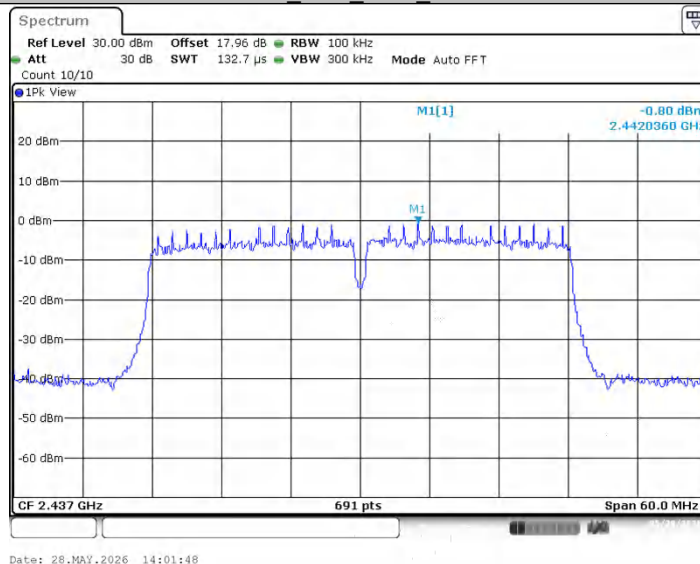
11N40MIMO_Ant1_2422_30~1000



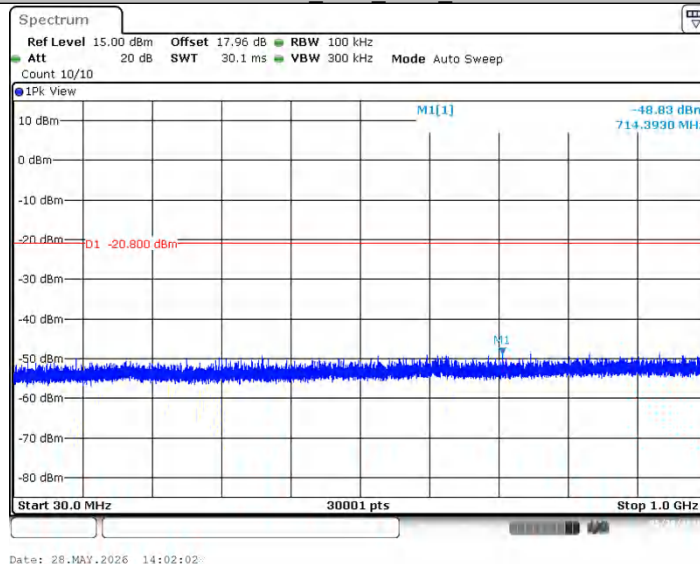
11N40MIMO_Ant1_2422_1000~26500



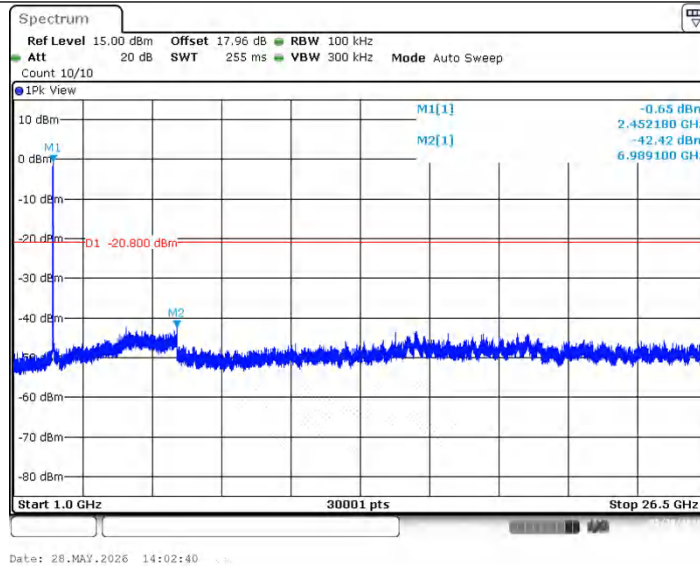
11N40MIMO_Ant1_2437_0~Reference



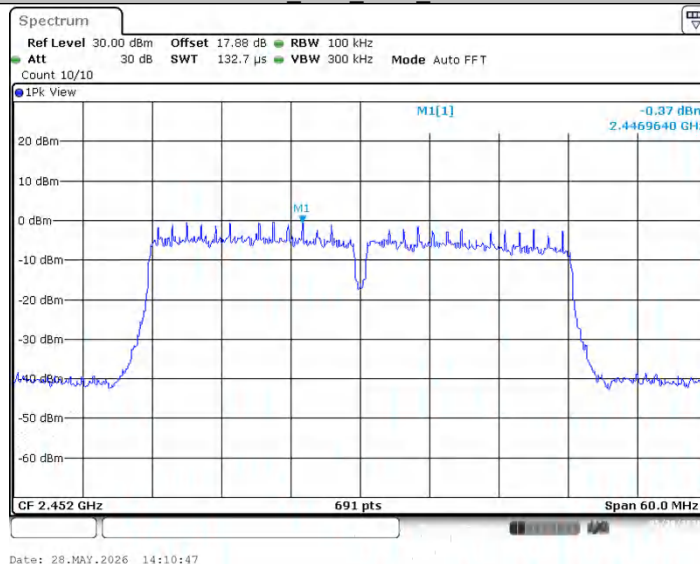
11N40MIMO_Ant1_2437_30~1000



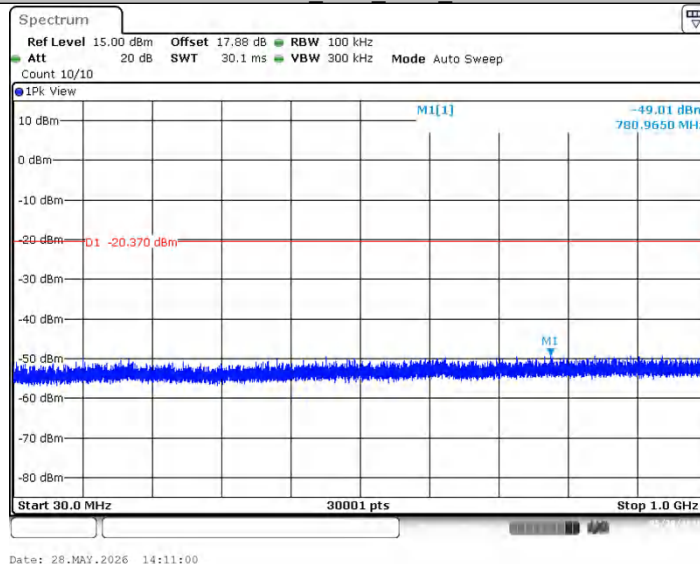
11N40MIMO_Ant1_2437_1000~26500



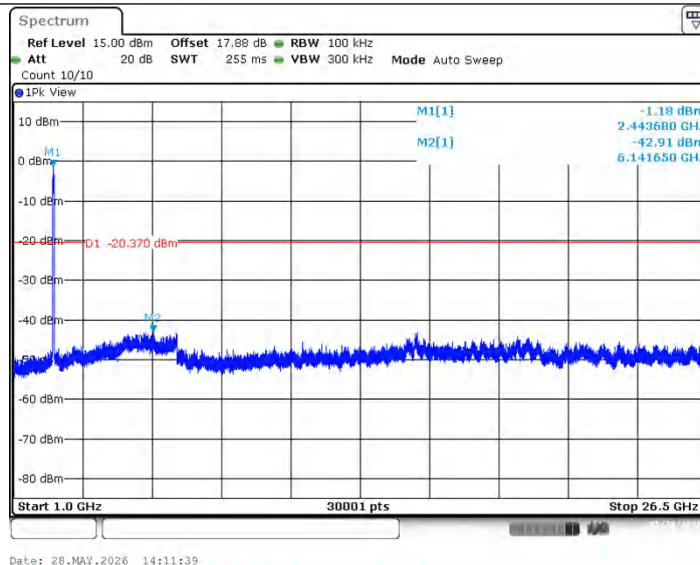
11N40MIMO_Ant1_2452_0~Reference



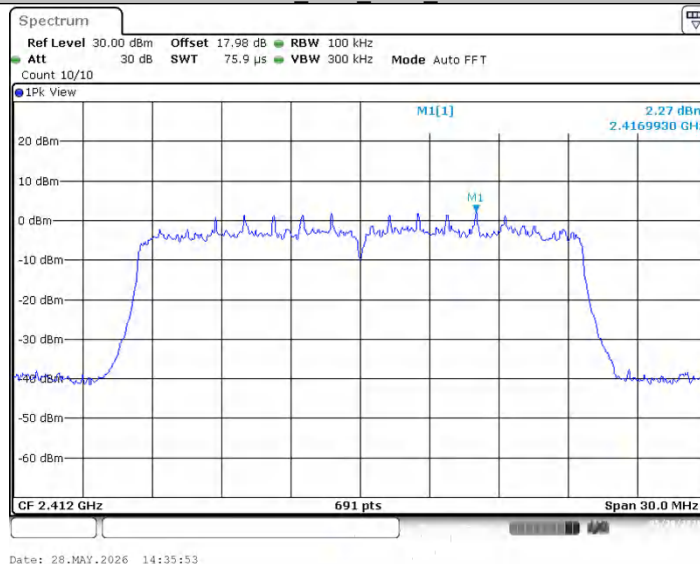
11N40MIMO_Ant1_2452_30~1000



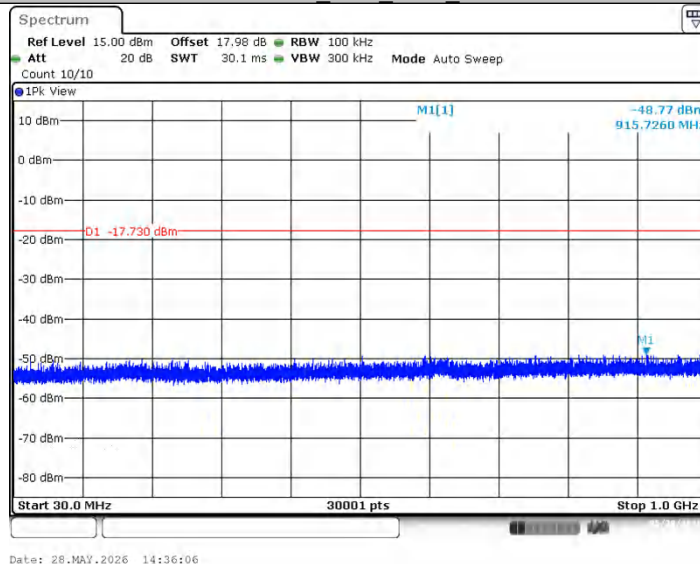
11N40MIMO_Ant1_2452_1000~26500



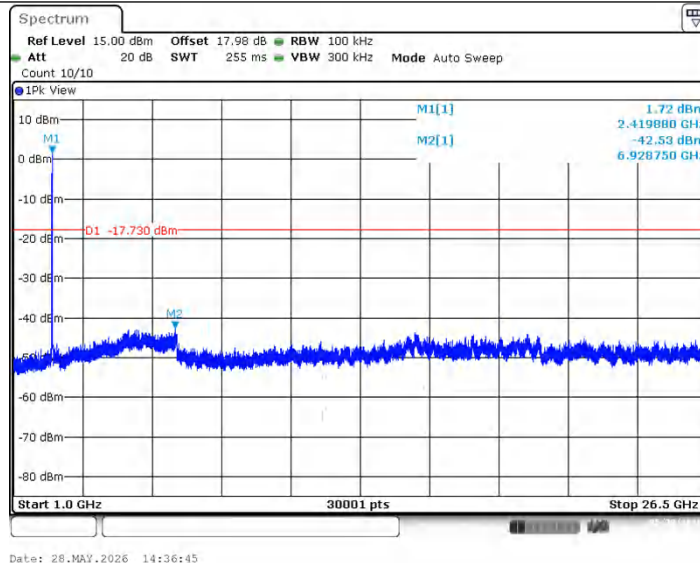
11AX20MIMO_Ant1_2412_0~Reference



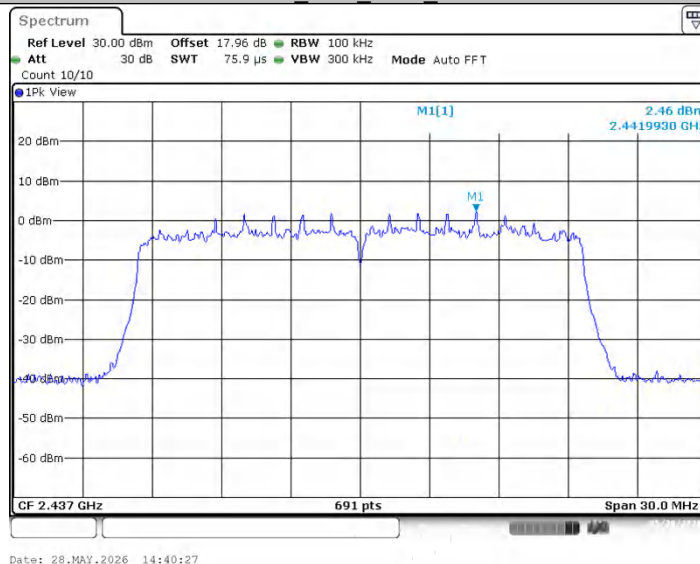
11AX20MIMO_Ant1_2412_30~1000



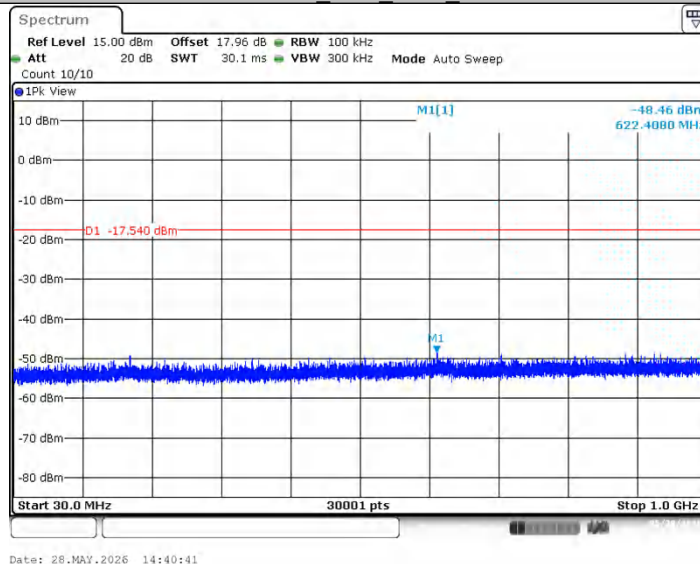
11AX20MIMO_Ant1_2412_1000~26500



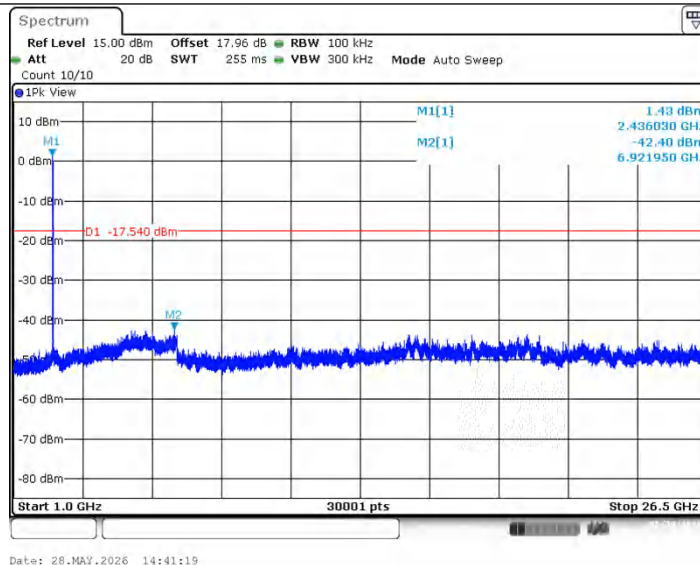
11AX20MIMO Ant1_2437_0~Reference



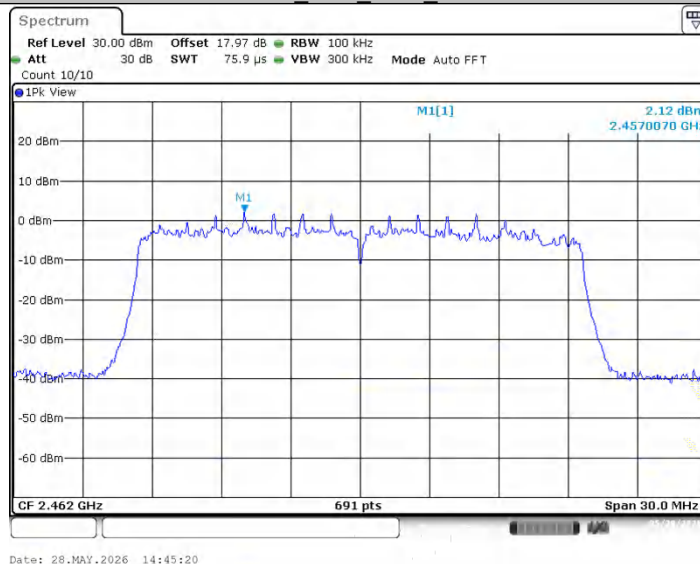
11AX20MIMO Ant1_2437_30~1000



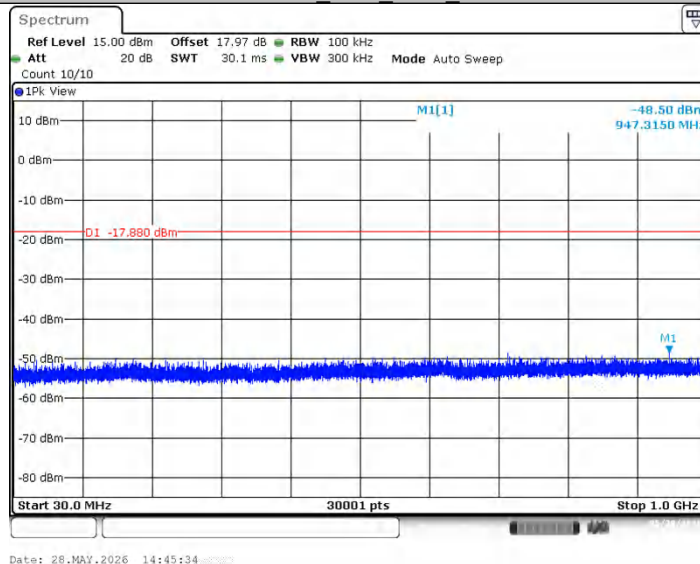
11AX20MIMO Ant1_2437_1000~26500



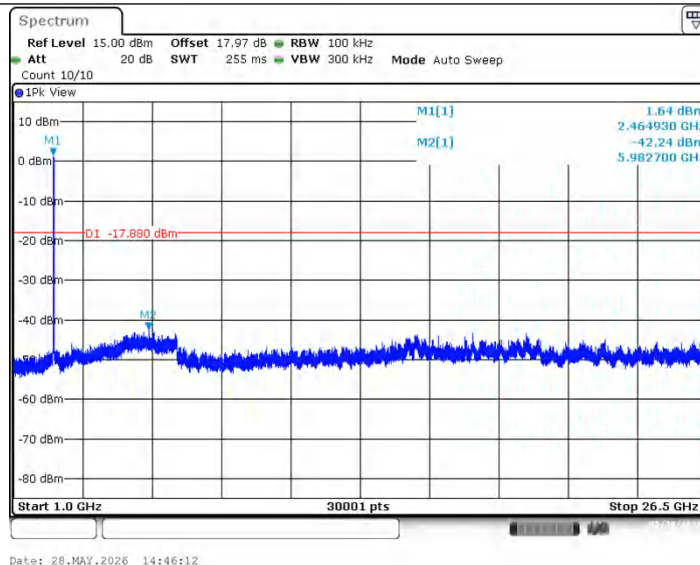
11AX20MIMO_Ant1_2462_0~Reference



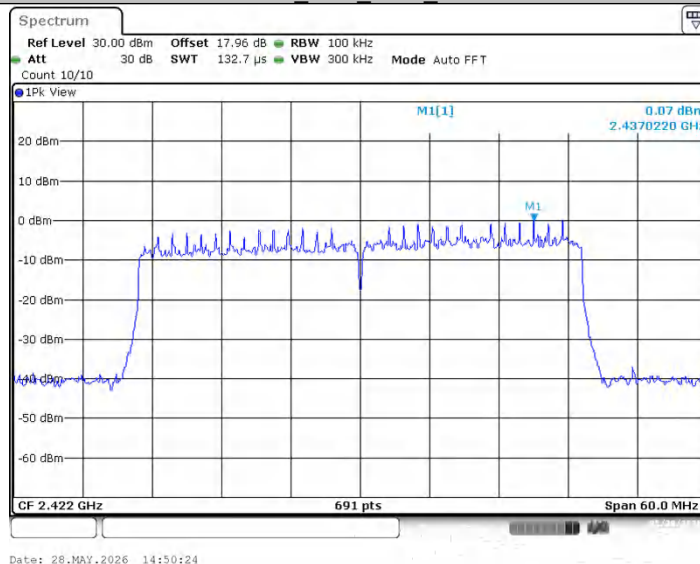
11AX20MIMO_Ant1_2462_30~1000



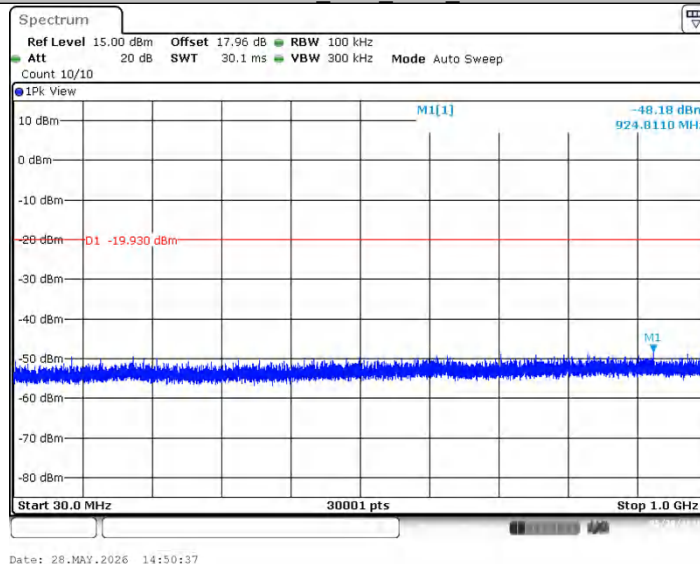
11AX20MIMO_Ant1_2462_1000~26500



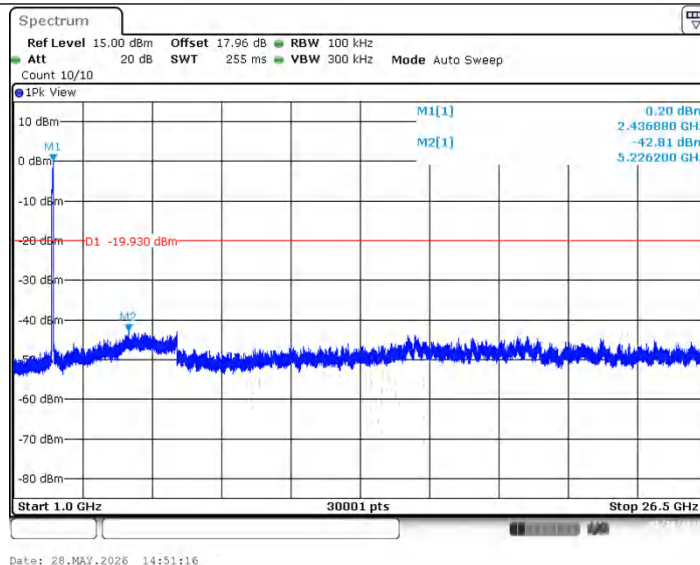
11AX40MIMO_Ant1_2422_0~Reference



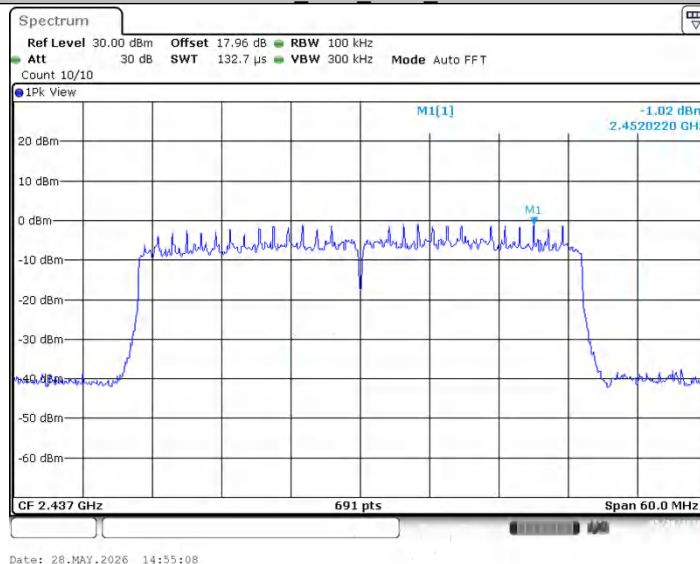
11AX40MIMO_Ant1_2422_30~1000



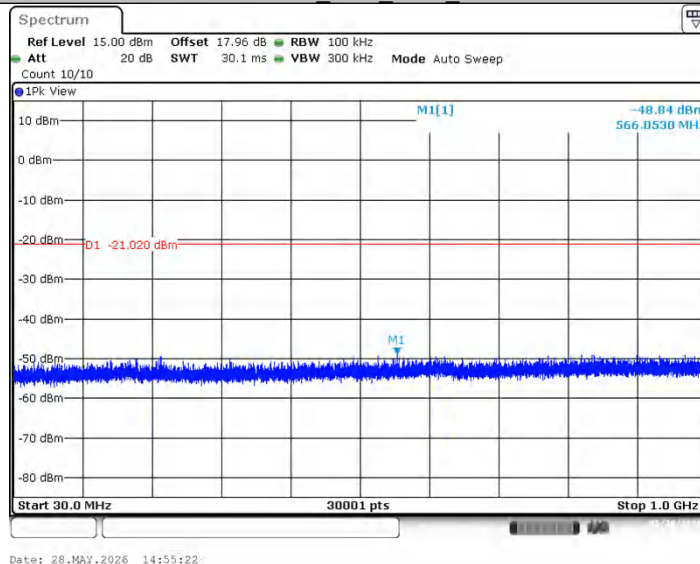
11AX40MIMO_Ant1_2422_1000~26500



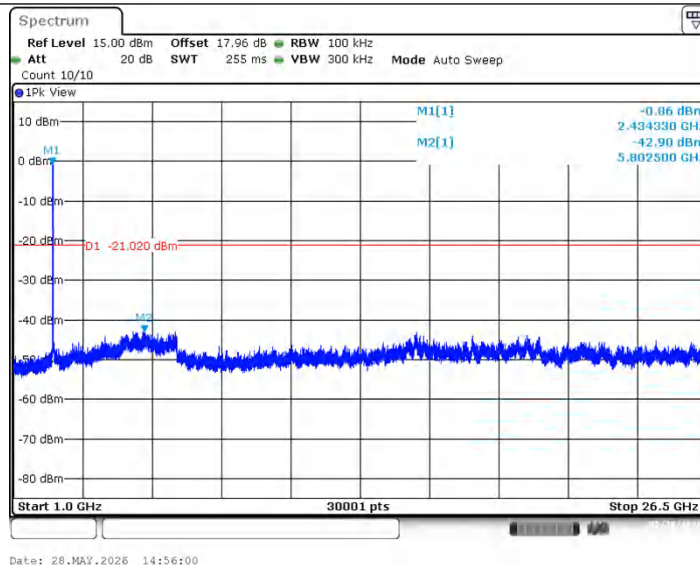
11AX40MIMO Ant1_2437_0~Reference



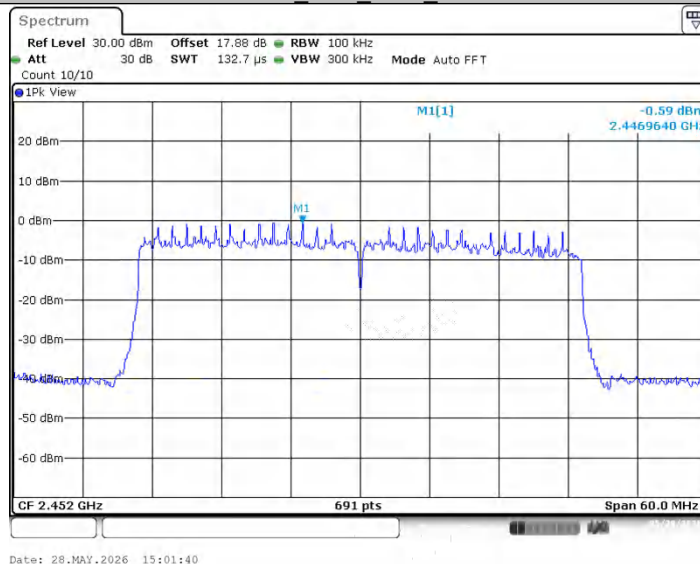
11AX40MIMO Ant1_2437_30~1000



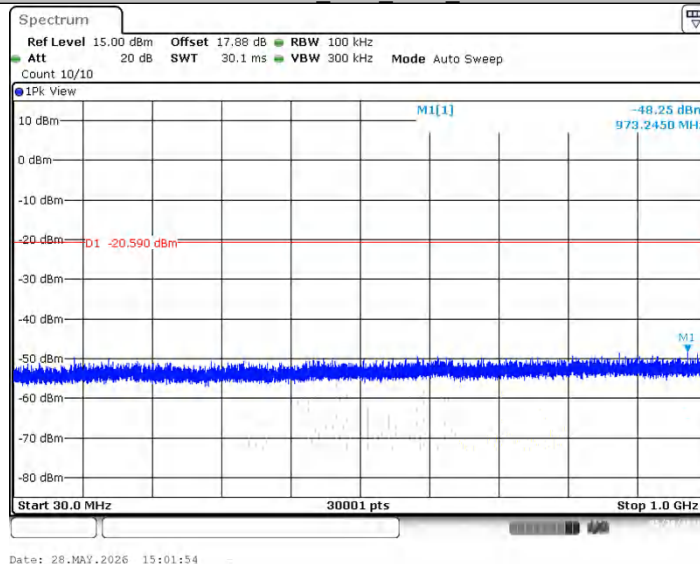
11AX40MIMO Ant1_2437_1000~26500



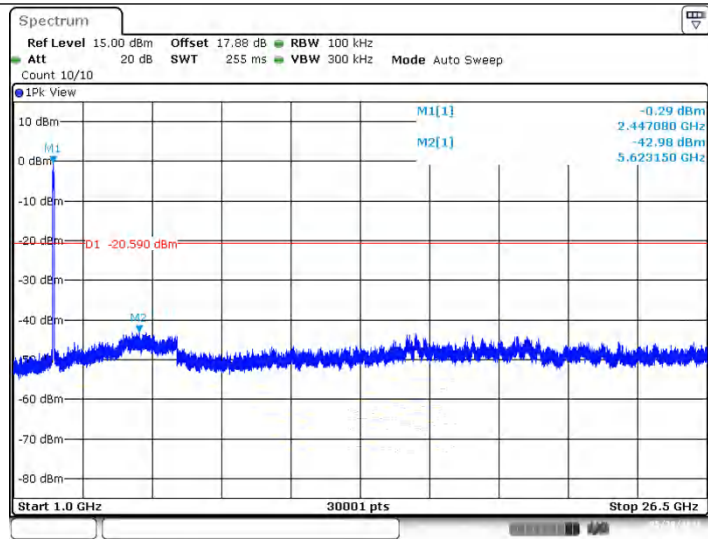
11AX40MIMO Ant1_2452_0~Reference



11AX40MIMO Ant1_2452_30~1000



11AX40MIMO Ant1_2452_1000~26500



Date: 28.MAY.2026 15:02:33

Appendix A.6: Test Results of Radiated Spurious Emissions

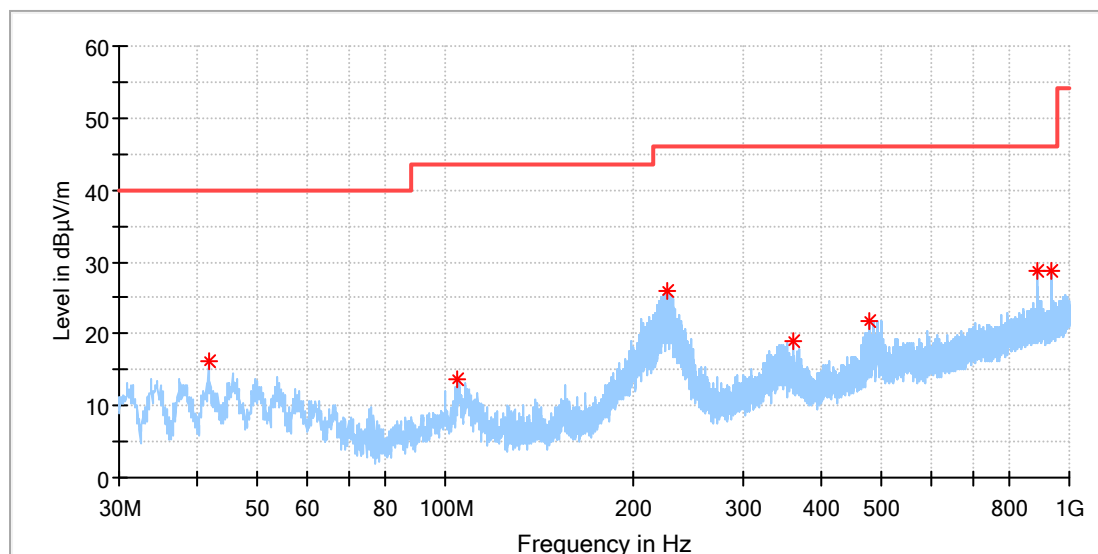
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

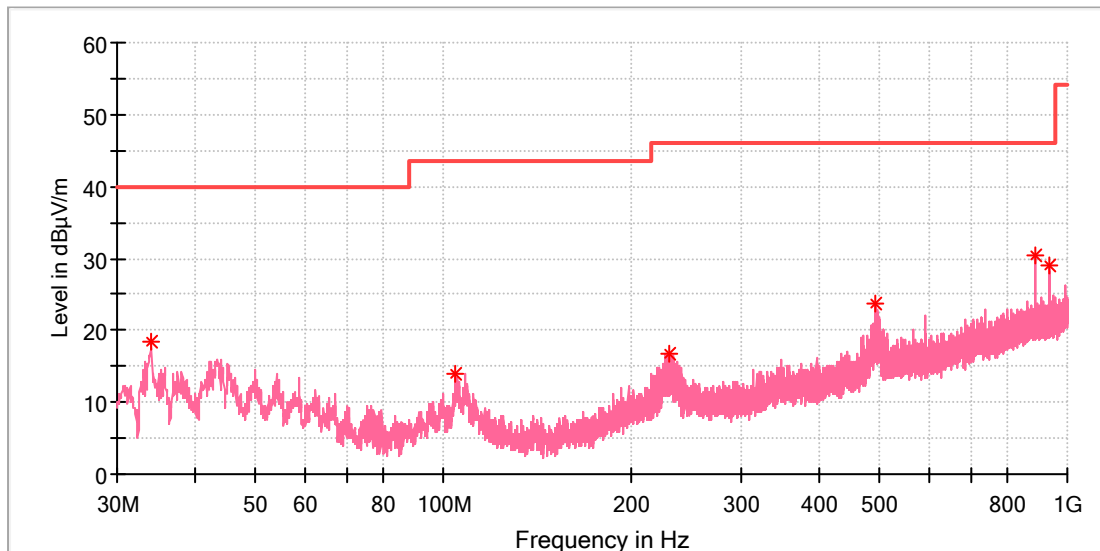
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.693889	16.19	40.00	23.81	100.0	H	86.0	-19.8
104.690000	13.80	43.50	29.70	100.0	H	195.0	-18.9
227.395000	25.96	46.00	20.04	100.0	H	86.0	-18.3
360.285000	18.90	46.00	27.10	100.0	H	309.0	-14.6
476.900556	21.90	46.00	24.10	100.0	H	356.0	-12.2
890.982778	28.76	46.00	17.24	100.0	H	13.0	-4.9
936.950000	28.73	46.00	17.27	100.0	H	120.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: WiFi Module
Model: 6252B-SRB
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: A004260088-002
Test Voltage: DC 3.3V From DC Source
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.987778	18.40	40.00	21.60	100.0	V	125.0	-22.3
104.743889	13.98	43.50	29.52	100.0	V	351.0	-18.9
229.712222	16.84	46.00	29.16	100.0	V	63.0	-18.2
491.504444	23.80	46.00	22.20	100.0	V	91.0	-12.0
890.982778	30.32	46.00	15.68	100.0	V	105.0	-4.9
938.405000	28.94	46.00	17.06	100.0	V	210.0	-4.4

Final Result

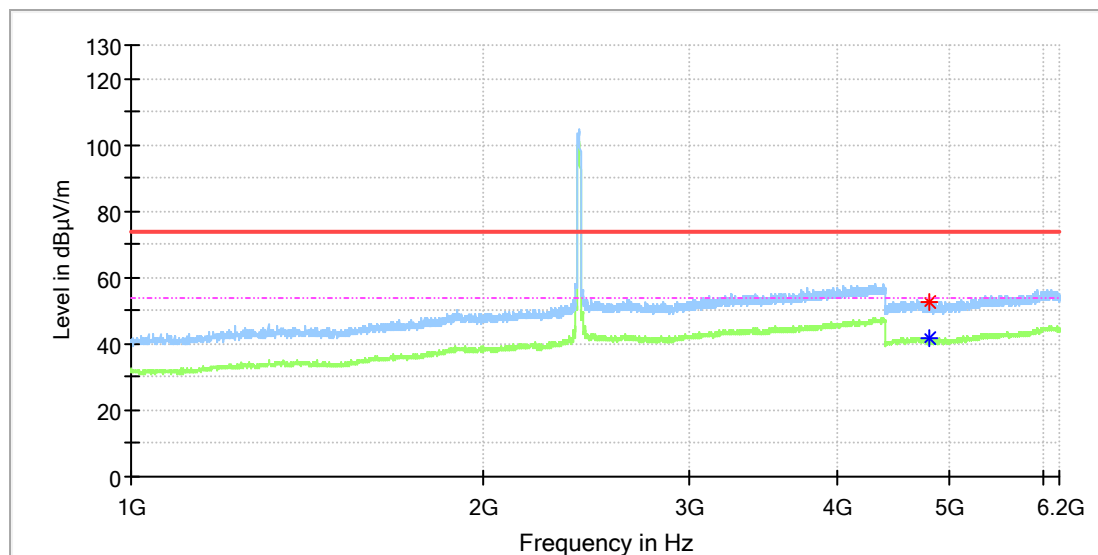
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

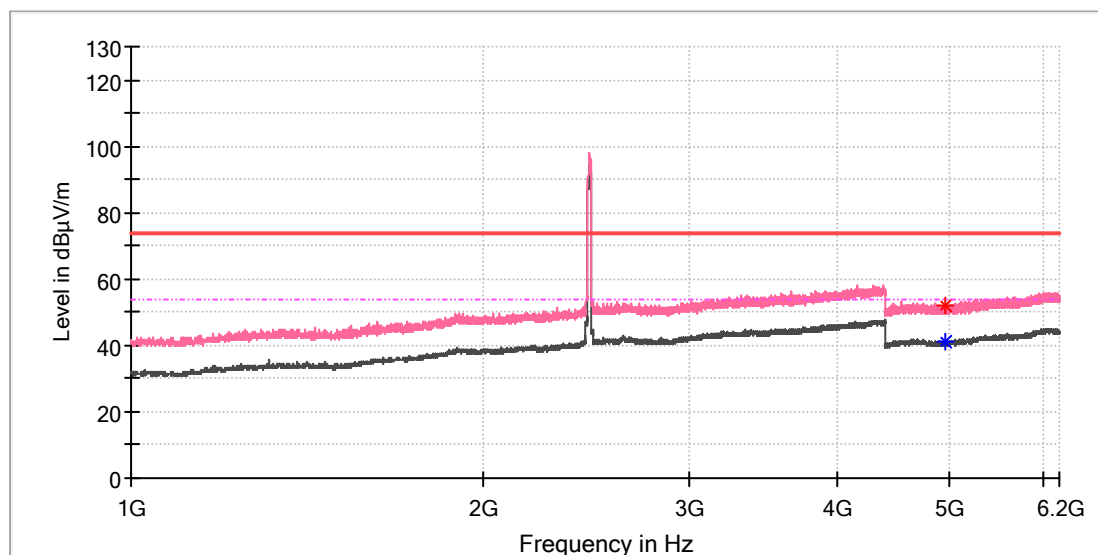
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	---	41.49	54.00	12.52	150.0	H	214.0	13.3
4810.000000	52.40	---	74.00	21.60	150.0	H	336.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4953.000000	51.88	---	74.00	22.12	150.0	V	30.0	13.3
4955.500000	---	41.27	54.00	12.73	150.0	V	251.0	13.3

Final Result

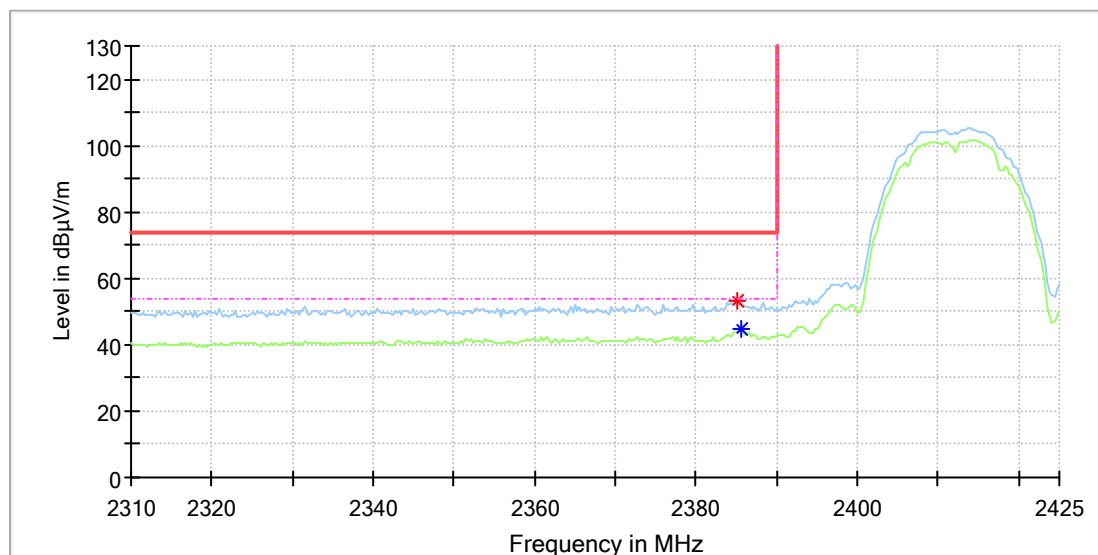
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

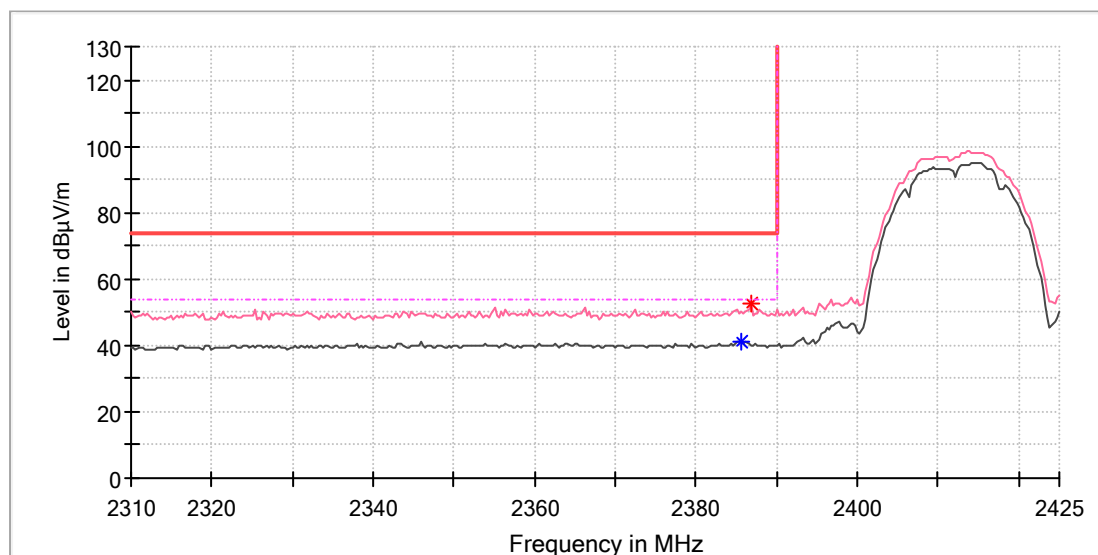
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.000000	53.25	---	74.00	20.75	150.0	H	318.0	8.5
2385.588235	---	44.58	54.00	9.42	150.0	H	333.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.588235	---	40.91	54.00	13.09	150.0	V	282.0	8.5
2386.764706	52.41	---	74.00	21.59	150.0	V	298.0	8.5

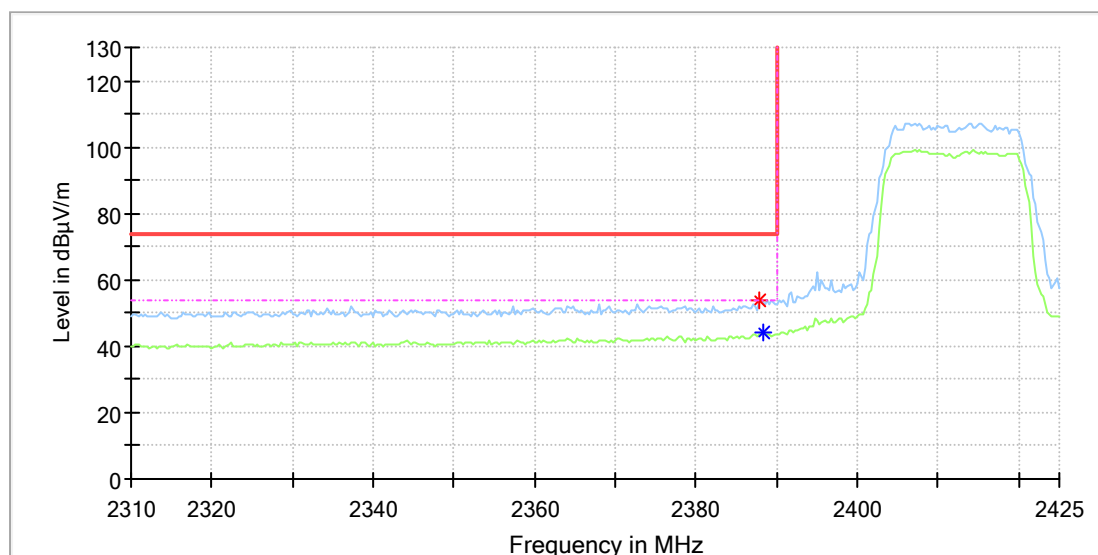
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

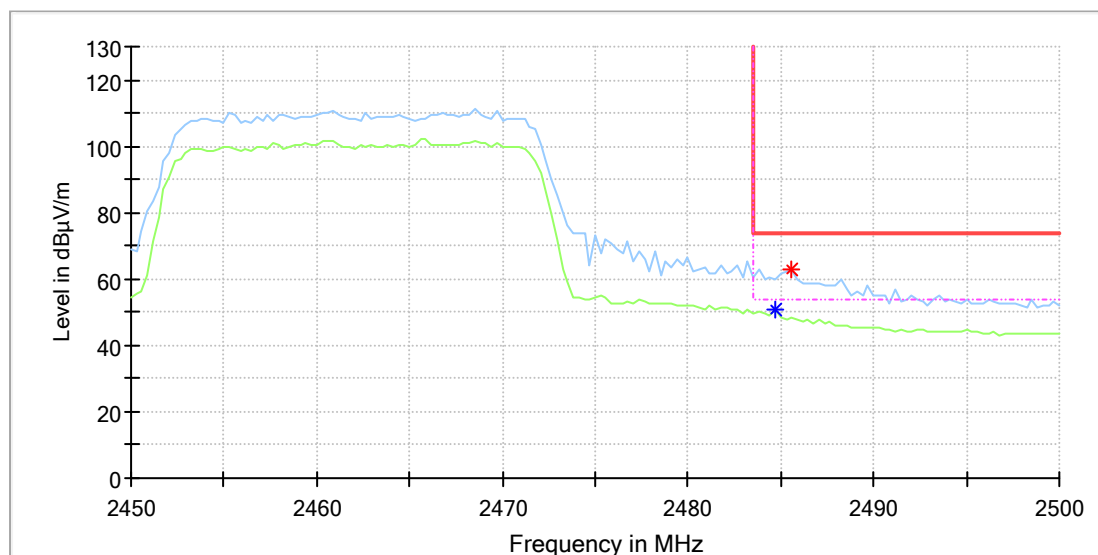
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.941177	53.83	---	74.00	20.17	150.0	H	146.0	8.5
2388.235294	---	44.17	54.00	9.83	150.0	H	146.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11ax20_Ch11
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.705882	---	50.63	54.00	3.37	150.0	H	335.0	9.0
2485.588235	62.96	---	74.00	11.04	150.0	H	308.0	9.0

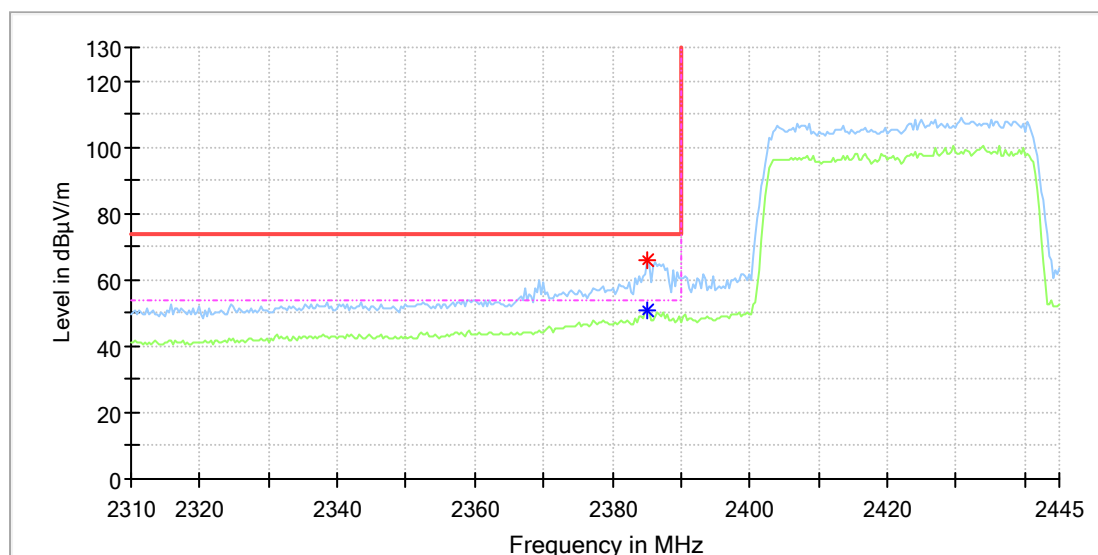
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Wi-Fi 802.11 ax(HE40) mode

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11ax40_Ch3
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

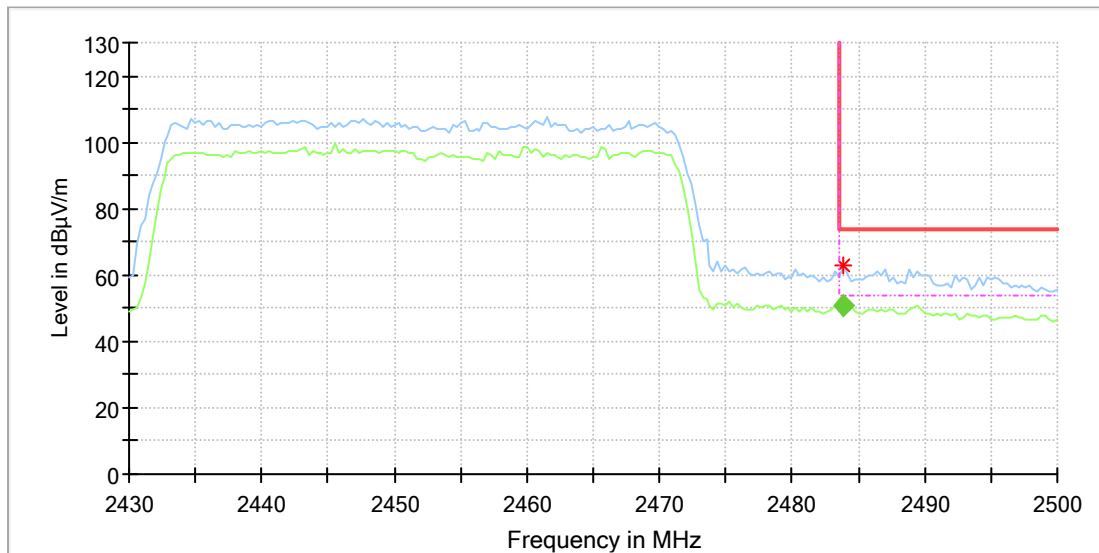
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.000000	65.76	---	74.00	8.24	150.0	H	325.0	8.5
2385.000000	---	50.61	54.00	3.39	150.0	H	325.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: WiFi Module
Model: 6252B-SRB
Test Mode: WIFI 2.4G_11ax40_Ch9
Order No/Sample No: A004260088-002
Test Voltage: DC 3.3V From DC Source
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

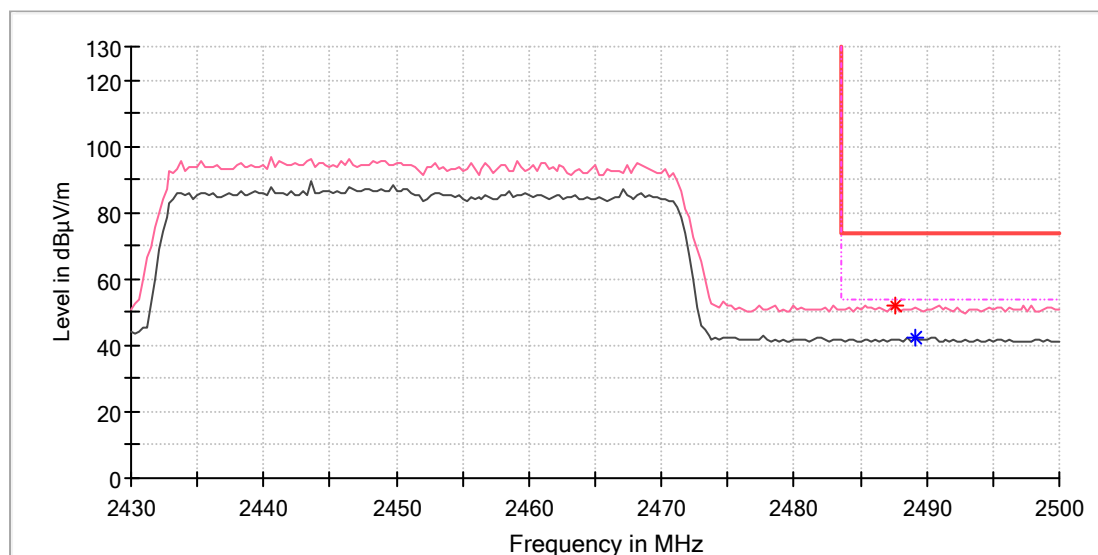
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	62.80	---	74.00	11.20	150.0	H	310.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	50.57	54.00	3.43	150.0	H	310.0	9.0

EUT Information

EUT Name:	WiFi Module
Model:	6252B-SRB
Test Mode:	WIFI 2.4G_11ax40_Ch9
Order No/Sample No:	A004260088-002
Test Voltage:	DC 3.3V From DC Source
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.647059	51.74	---	74.00	22.26	150.0	V	294.0	9.0
2489.117647	---	42.36	54.00	11.64	150.0	V	285.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---