



FCC PART 15C TEST REPORT No.25T04Z100757-015

for

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

T951P

FCC ID: 2ACCJH188

with

Hardware Version: 05

Software Version: 9ESH

Issued Date: 2025-06-25

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100757-015	Rev.0	1st edition	2025-06-25

Note: the latest revision of the test report supersedes all previous version.

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1. Test Laboratory

1.1.Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

Conducted testing Location:CTTL(Gaolizhang Road)

Address: Cuihu Cloud Center, No.1, Gaolizhang Road, Wenquan,
Haidian District, Beijing, China

Location 2:CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
100191, P. R. China

1.3. Testing Environment

Normal Temperature: 15-35°C
Relative Humidity: 20-75%

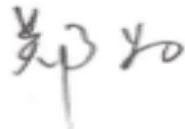
1.4. Project date

Testing Start Date: 2025-05-13
Testing End Date: 2025-06-25

1.5. Signature



Yao Xingyu
(Prepared this test report)



Zheng Wei
(Reviewed this test report)



Pang Shuai
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.
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Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
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Contact Email: ting.wang.hz@tcl.com
Telephone: +86 752 2639091
Fax: 0086-755-36612000-81722

2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
Address/Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science
Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Contact Person: Ting Wang
Contact Email: ting.wang.hz@tcl.com
Telephone: +86 752 2639091
Fax: 0086-755-36612000-81722

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	GSM/UMTS/LTE/NR Mobile phone
Model name	T951P
FCC ID	2ACCJH188
With WLAN Function	Yes
Frequency Band	ISM 2400MHz~2483.5MHz
Type of Modulation	DSSS/CCK/OFDM/OFDMA
Number of Channels	11
Antenna	Integral Antenna
MAX Conducted Power	29.48dBm
Normal Voltage	3.85V
Extreme High Voltage	4.4V
Extreme Low Voltage	3.6V

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT36a	356448870204758/ 356448870204766	05	9ESH	2025-06-07
UT25a	356448870204451/ 356448870204568	05	9ESH	2025-05-13

*EUT ID: is used to identify the test sample in the lab internally.

UT36a is used for Conduction test, UT25a is used for Radiation test.

3.3. Internal Identification of AE

AE ID*	Description	Note	Manufacturer
AE1	Battery	TLp050D7	VEKEN
AE2	Charger	QC16US	PUAN
AE2-2	Charger	QC16EU	BaiJunDa
AE3-1	USB cable	CDA0000308C1	JUWEI
AE3-1	USB cable	CDA0000305C1	JUWEI

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of GSM/UMTS/LTE/NR Mobile phone with integrated antenna and inbuilt battery.

It consists of normal options: travel charger, USB cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor $k=2$.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C:	2021
	15.205 Restricted bands of operation;	
	15.207 Conducted limits;	
	15.209 Radiated emission limits, general requirements;	
ANSI C63.10	15.247 Operation within the bands 902-928MHz, 2400-2483.5 MHz, and 5725-5850 MHz.	2013
	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	
	Federal Communications Commission Office of Engineering and Technology Laboratory Division GUIDANCE FOR COMPLIANCE MEASUREMENTS ON	
KDB 558074 D01	DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES	2019

Note: KDB 558074 D01 is not in the scope of ISO/IEC 17025 accreditation by A2LA.

5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. Test Results

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.247 (b)	/	P
Peak Power Spectral Density	15.247 (e)	/	P
DTS 6-dB Signal Bandwidth	15.247 (a)	/	P
Band Edges Compliance	15.247 (d)	/	P
Transmitter Spurious Emission - Conducted	15.247 (d)	/	P
Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	/	P
AC Powerline Conducted Emission	15.207	/	P

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NP	Not Perform, The test was not performed by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	26°C
Voltage	3.85V
Humidity	44%

7. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2026-06-09
2	LISN	ENV216	101200	Rohde & Schwarz	1 year	2026-06-05
3	Test Receiver	ESCI	100344	Rohde & Schwarz	1 year	2026-04-01
4	Attenuator	10dB/2W	/	Rosenberger	/	/
5	Shielding Room	S81	/	ETS-Lindgren	/	/
6	Data Acquisition Unit	U2531A	TW54433522	Agilent	/	/
7	Power Sensor	U2021XA	MY54460006	Agilent	1 year	2026-06-09

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103023	Rohde & Schwarz	1 year	2026-05-07
2	EMI Antenna	VULB9163	01222	Schwarzbeck	1 year	2025-09-11
3	EMI Antenna	3115	6914	ETS-Lindgren	1 year	2026-03-31

Huayuan North Road

Test Item	Test Software and Version	Software Vendor
Conducted emission	EMC32 V8.53.0	R&S
Radiated emission	EMC32 V11.50.00	R&S

8. Measurement Uncertainty

8.1. Maximum Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2. Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3. DTS 6-dB Signal Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4. Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5. Transmitter Spurious Emission

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
$30\text{MHz} \leq f \leq 2\text{GHz}$	1.22
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	1.22
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.22
$8\text{GHz} \leq f \leq 12.75\text{GHz}$	1.51
$12.75\text{GHz} \leq f \leq 26\text{GHz}$	1.51
$26\text{GHz} \leq f \leq 40\text{GHz}$	1.59

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	4.72
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.84
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.12

8.6. AC Power-line Conducted Emission

Measurement Uncertainty : 3.08dB,k=2

ANNEX A: Detailed Test Results

A.1. Measurement Method

A.1.1. Conducted Measurements

Connect the EUT to the test system as Fig.A.1.1.1 shows.

Set the EUT to the required work mode.

Set the EUT to the required channel.

Set the Vector Signal Analyzer and start measurement.

Record the values. Vector Signal Analyzer

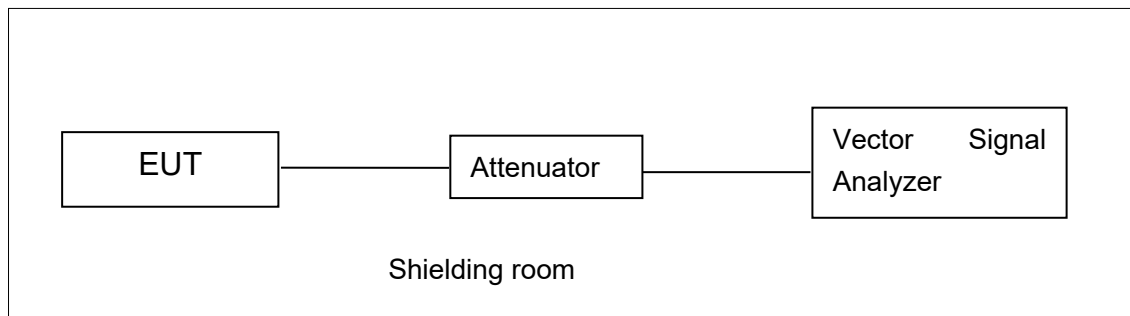


Fig.A.1.1.1: Test Setup Diagram for Conducted Measurements

A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 3MHz;

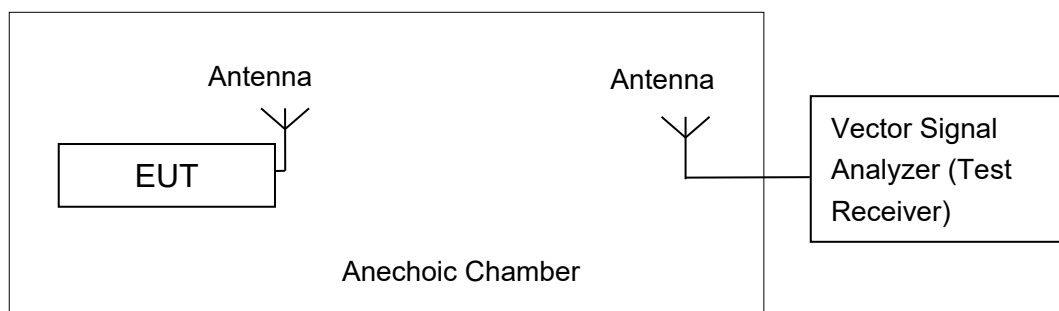


Fig.A.1.2.1: Test Setup Diagram for Radiated Measurements

A.2. Maximum Output Power

Method of Measurement: See ANSI C63.10-2013-clause 11.9.1.3

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

Measurement Limit:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)	< 30

A.2.1 Antenna Gain

Antenna gain is -5.30dBi/-6.20dBi(ANT8/ANT9)and the value is supplied by the applicant or manufacturer.

A.2.2. Peak Output Power-conducted

EUT ID: UT36a

Measurement Results:

Full RU MIMO

Mode	Data Rate (Mbps)	Test Result (dBm)								
		2412MHz(Ch1)			2437MHz(Ch6)			2462 MHz(Ch11)		
		Ant8	Ant9	MIMO	Ant8	Ant9	MIMO	Ant8	Ant9	MIMO
802.11b	1	22.35	22.39	25.38	22.32	22.42	25.38	22.02	21.75	24.90
802.11g	6	26.47	26.40	29.45	26.52	26.38	29.46	26.29	25.27	28.82
Mode	Data Rate (Mbps)	Test Result (dBm)								
		2412MHz(Ch1)			2437MHz(Ch6)			2462 MHz(Ch11)		
		Ant8	Ant9	MIMO	Ant8	Ant9	MIMO	Ant8	Ant9	MIMO
802.11n (20MHz)	MCS0	26.35	26.58	29.48	26.38	26.45	29.43	26.14	25.88	29.02
802.11ax (20MHz)	MCS0	25.67	25.72	28.71	25.73	26.10	28.93	25.64	25.68	28.67
Mode	Data Rate (Mbps)	Test Result (dBm)								
		2422MHz(Ch3)			2437MHz(Ch6)			2452 MHz(Ch9)		
		Ant8	Ant9	MIMO	Ant8	Ant9	MIMO	Ant8	Ant9	MIMO
802.11n (40MHz)	MCS0	25.40	25.68	28.55	25.45	25.33	28.40	25.17	25.49	28.34
802.11ax (40MHz)	MCS0	25.39	25.58	28.50	25.45	25.13	28.30	25.11	25.42	28.28

RU MIMO

Mode	Data Rate (Mbps)	Test Result (dBm)								
		2412MHz(Ch1)			2437MHz(Ch6)			2462 MHz(Ch11)		
		Ant8	Ant9	MIMO	Ant8	Ant9	MIMO	Ant8	Ant9	MIMO
802.11ax-HE20 RU26-left	MCS0	22.27	22.01	25.15	22.40	21.92	25.18	22.85	22.31	25.60
802.11ax-HE20 RU26-right	MCS0	22.32	22.08	25.21	22.51	21.52	25.05	22.82	21.98	25.43
802.11ax-HE20 RU52-left	MCS0	24.95	24.86	27.92	24.83	24.52	27.69	24.92	24.86	27.90
802.11ax-HE20 RU52-right	MCS0	24.75	25.05	27.91	24.72	24.58	27.66	24.89	24.67	27.79
802.11ax-HE20 RU106-left	MCS0	24.90	24.78	27.85	24.87	24.22	27.57	24.66	24.42	27.55
802.11ax-HE20 RU106-right	MCS0	25.00	24.91	27.97	24.65	24.64	27.66	24.72	24.58	27.66

The data rate 1Mbps (11b mode),6Mbps (11g mode), MCS0 (11n-HT20 mode) ,MCS0 (11ax-HE20 mode),MCS0 (11n-HT40 mode) ,MCS0 (11ax-HE40 mode)are selected as the worst condition; as the maximum power is got with these data rate. The following cases are performed with this condition.

Duty Cycle

Mode	802.11b	802.11g	802.11n20	802.11n40	802.11ax-20	802.11ax-40
Duty Cycle	100%	100%	100%	100%	100%	100%

Mode	802.11ax-20 RU26	802.11ax-20 RU52	802.11ax-20 RU106
Duty Cycle	87%	88%	78%



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Duty Cycle:RU26

Conclusion: Pass

A.3. Peak Power Spectral Density

Method of Measurement: See ANSI C63.10-2013-clause 11.10.2

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to RBW = 3 kHz.
- Set the VBW = 10 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

Measurement Limit:

Standard	Limit
FCC CRF Part 15.247(e)	< 8 dBm/3 kHz

EUT ID: UT36a

Full RU MIMO

Measurement Results:

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant8	2412	-2.21	≤8.00	PASS
	Ant9	2412	-2.20	≤8.00	PASS
	total	2412	0.81	≤8.00	PASS
	Ant8	2437	-2.42	≤8.00	PASS
	Ant9	2437	-2.40	≤8.00	PASS
	total	2437	0.60	≤8.00	PASS
	Ant8	2462	-2.36	≤8.00	PASS
	Ant9	2462	-2.73	≤8.00	PASS
	total	2462	0.47	≤8.00	PASS
11G	Ant8	2412	-5.74	≤8.00	PASS
	Ant9	2412	-5.64	≤8.00	PASS
	total	2412	-2.68	≤8.00	PASS
	Ant8	2437	-6.21	≤8.00	PASS
	Ant9	2437	-6.27	≤8.00	PASS
	total	2437	-3.23	≤8.00	PASS
	Ant8	2462	-6.02	≤8.00	PASS
	Ant9	2462	-6.30	≤8.00	PASS
	total	2462	-3.15	≤8.00	PASS
11N20MIMO	Ant8	2412	-5.41	≤8.00	PASS
	Ant9	2412	-5.49	≤8.00	PASS
	total	2412	-2.44	≤8.00	PASS
	Ant8	2437	-5.65	≤8.00	PASS

	Ant9	2437	-6.12	≤8.00	PASS
	total	2437	-2.87	≤8.00	PASS
	Ant8	2462	-6.21	≤8.00	PASS
	Ant9	2462	-6.51	≤8.00	PASS
	total	2462	-3.35	≤8.00	PASS
11N40MIMO	Ant8	2422	-10.20	≤8.00	PASS
	Ant9	2422	-10.24	≤8.00	PASS
	total	2422	-7.21	≤8.00	PASS
	Ant8	2437	-10.55	≤8.00	PASS
	Ant9	2437	-10.41	≤8.00	PASS
	total	2437	-7.47	≤8.00	PASS
	Ant8	2452	-10.64	≤8.00	PASS
	Ant9	2452	-10.29	≤8.00	PASS
	total	2452	-7.45	≤8.00	PASS
11AX20MIMO	Ant8	2412	-7.96	≤8.00	PASS
	Ant9	2412	-8.38	≤8.00	PASS
	total	2412	-5.15	≤8.00	PASS
	Ant8	2437	-8.76	≤8.00	PASS
	Ant9	2437	-8.04	≤8.00	PASS
	total	2437	-5.37	≤8.00	PASS
	Ant8	2462	-8.64	≤8.00	PASS
	Ant9	2462	-8.88	≤8.00	PASS
	total	2462	-5.75	≤8.00	PASS
11AX40MIMO	Ant8	2422	-12.30	≤8.00	PASS
	Ant9	2422	-12.57	≤8.00	PASS
	total	2422	-9.42	≤8.00	PASS
	Ant8	2437	-12.23	≤8.00	PASS
	Ant9	2437	-12.64	≤8.00	PASS
	total	2437	-9.42	≤8.00	PASS
	Ant8	2452	-12.27	≤8.00	PASS
	Ant9	2452	-12.23	≤8.00	PASS
	total	2452	-9.24	≤8.00	PASS

Test graphs as below:

11B_Ant8_2412



11B_Ant9_2412



11B_Ant8_2437



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11B_Ant9_2437



14:35:03 10.06.2025

11B_Ant8_2462



11B_Ant9_2462



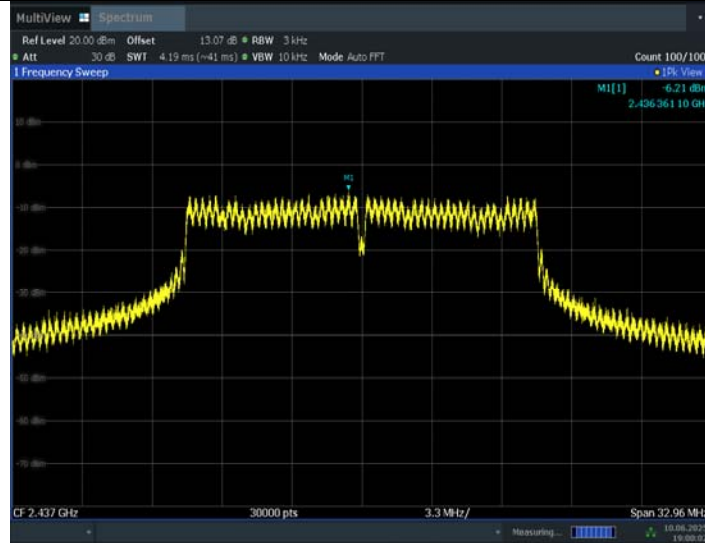
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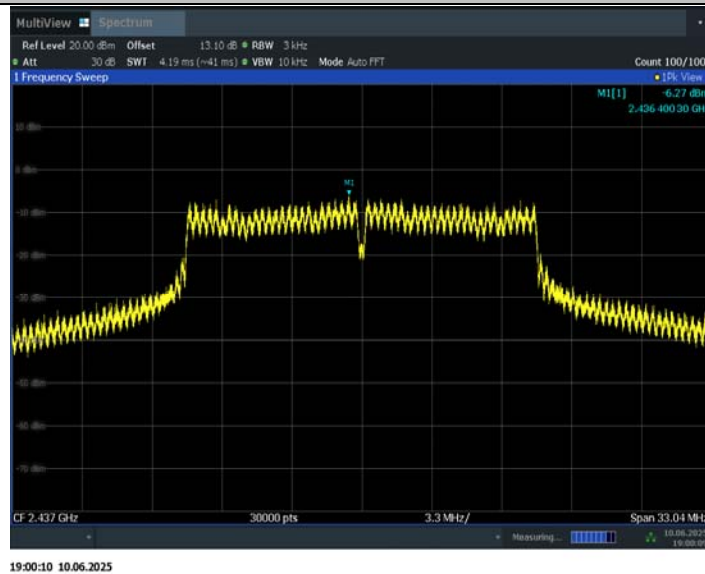
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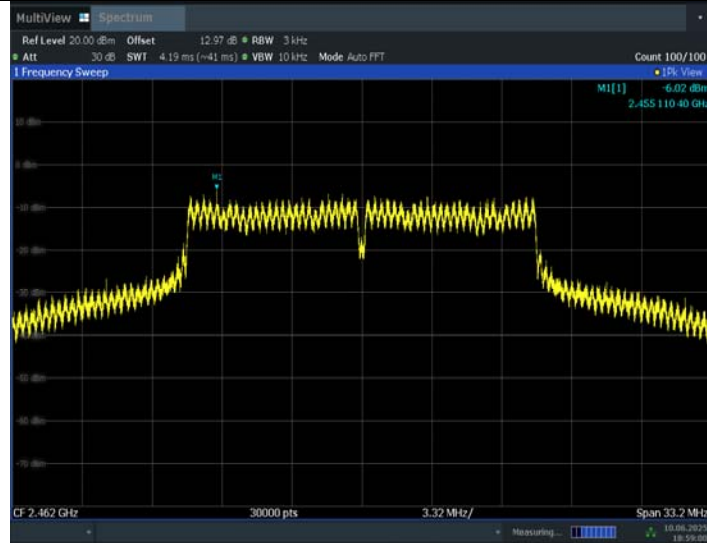
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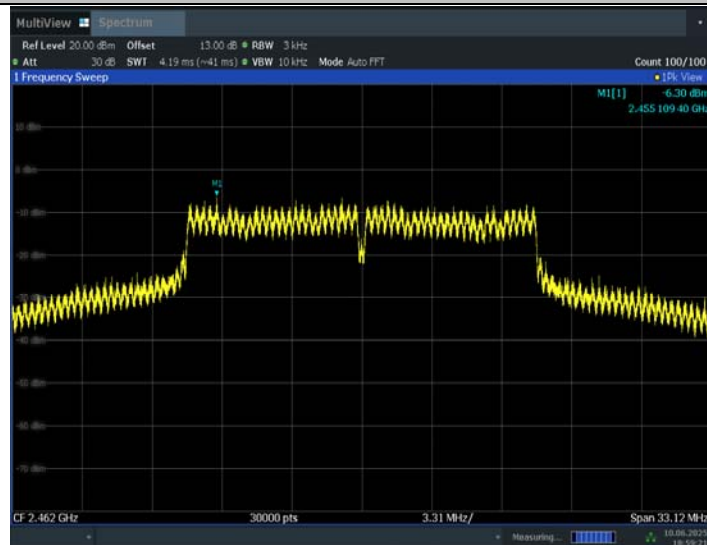
11G_Ant9_2437



11G_Ant8_2462



11G_Ant9_2462



11N20MIMO_Ant8_2412



11N20MIMO_Ant9_2412



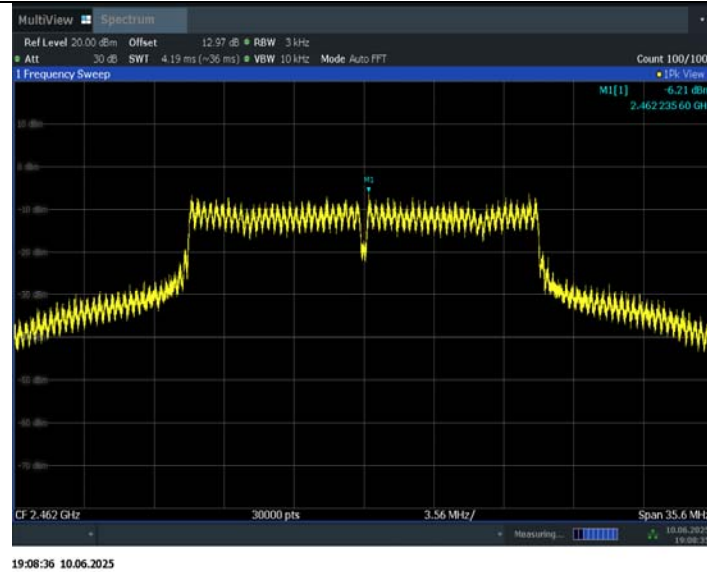
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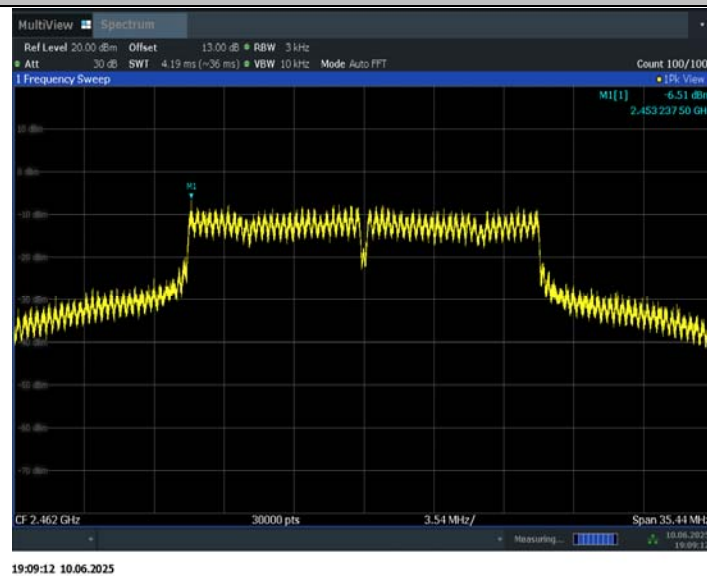
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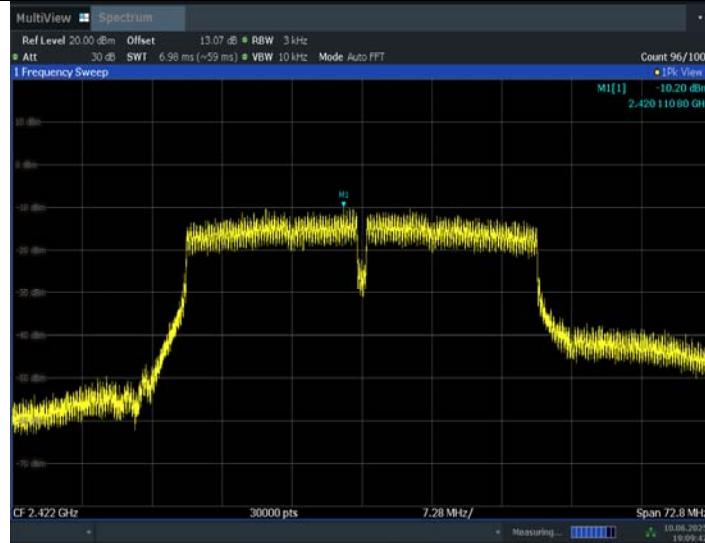
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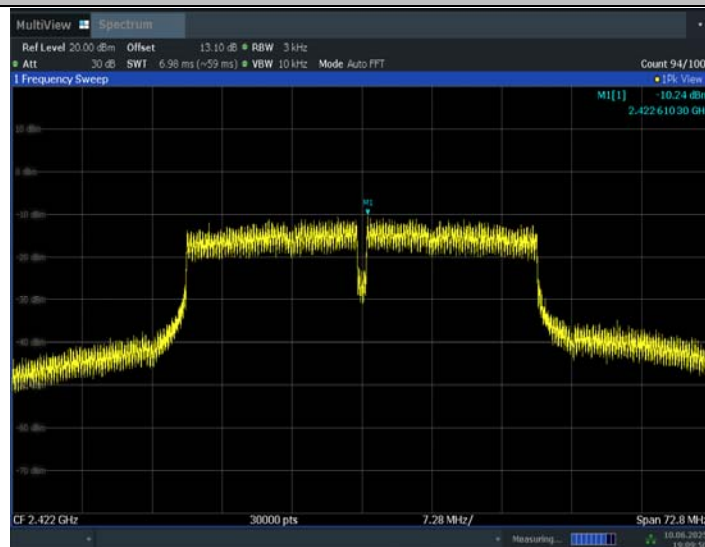
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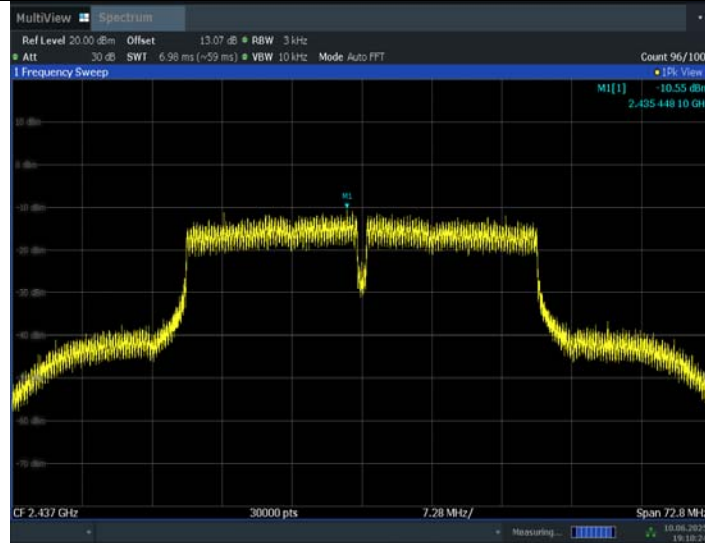
11N40MIMO_Ant8_2422



11N40MIMO_Ant9_2422

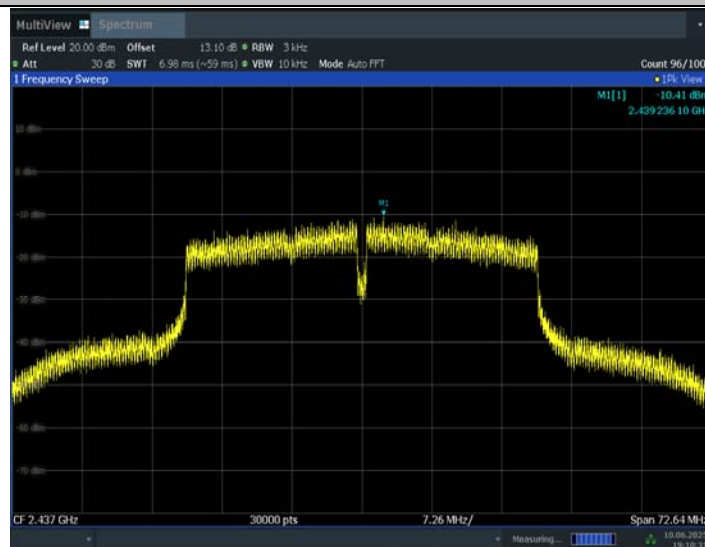


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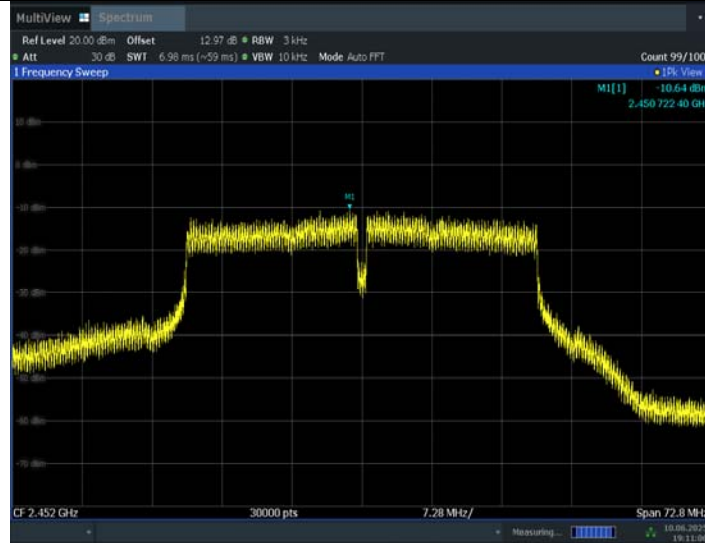
19:10:24 10.06.2025

11N40MIMO_Ant9_2437

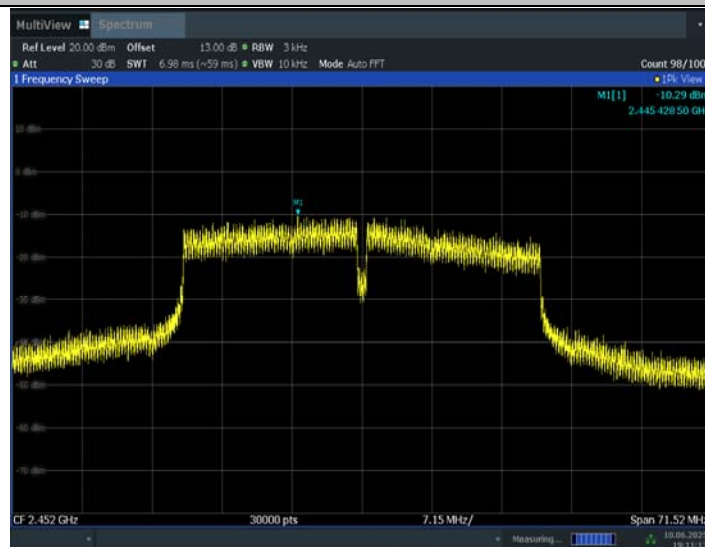


19:10:31 10.06.2025

11N40MIMO_Ant8_2452



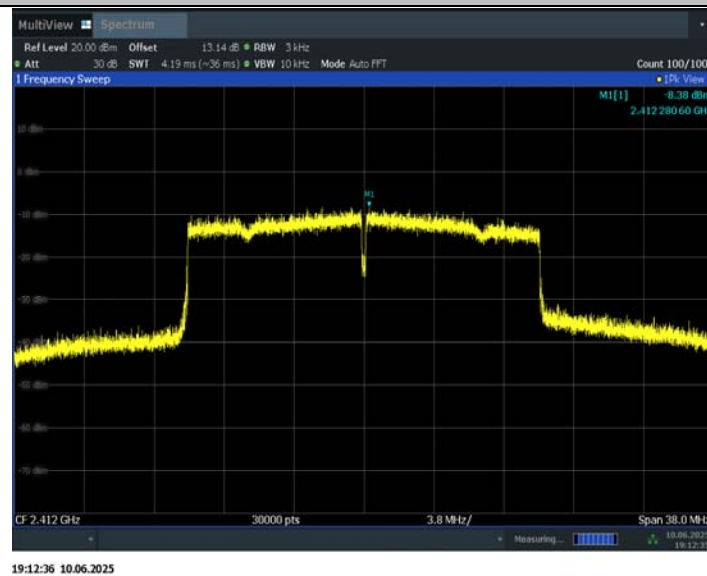
11N40MIMO_Ant9_2452



11AX20MIMO_Ant8_2412



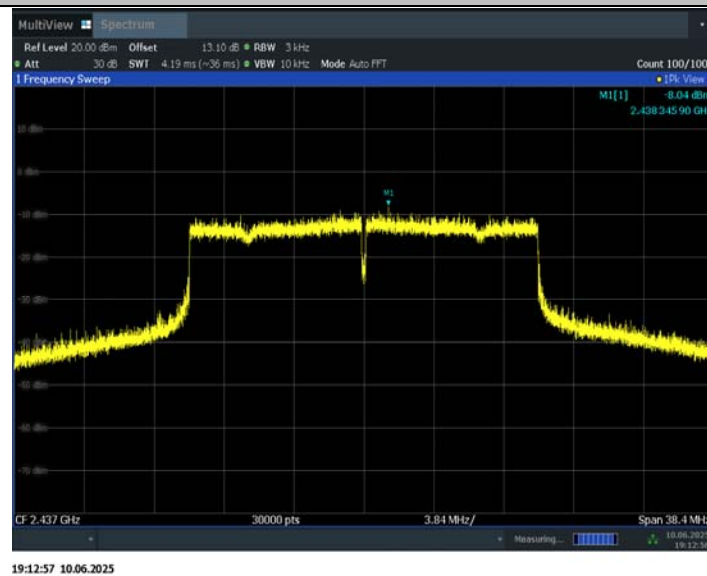
11AX20MIMO_Ant9_2412



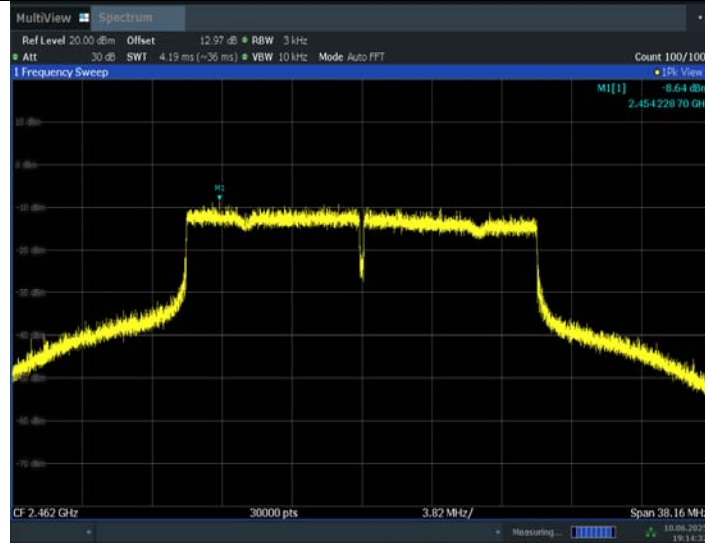
11AX20MIMO_Ant8_2437



11AX20MIMO_Ant9_2437

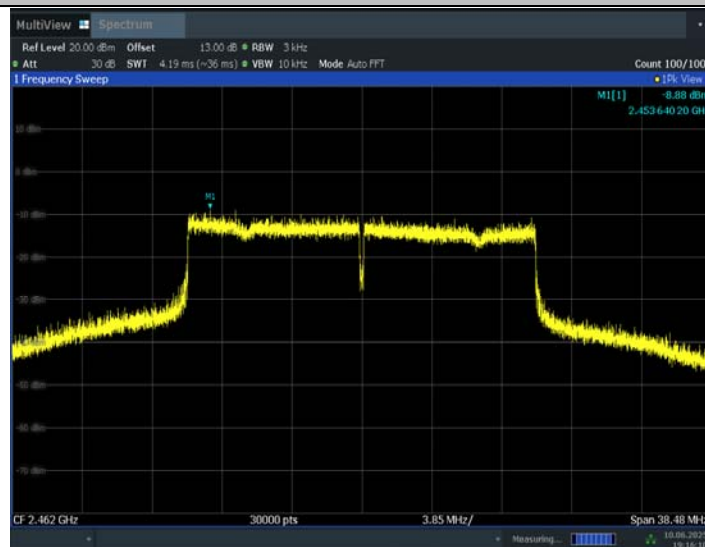


11AX20MIMO_Ant8_2462



19:14:33 10.06.2025

11AX20MIMO_Ant9_2462

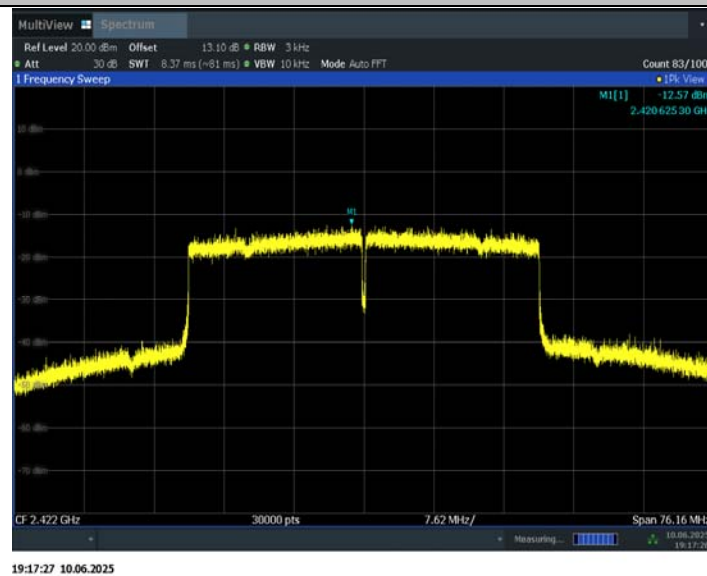


19:16:11 10.06.2025

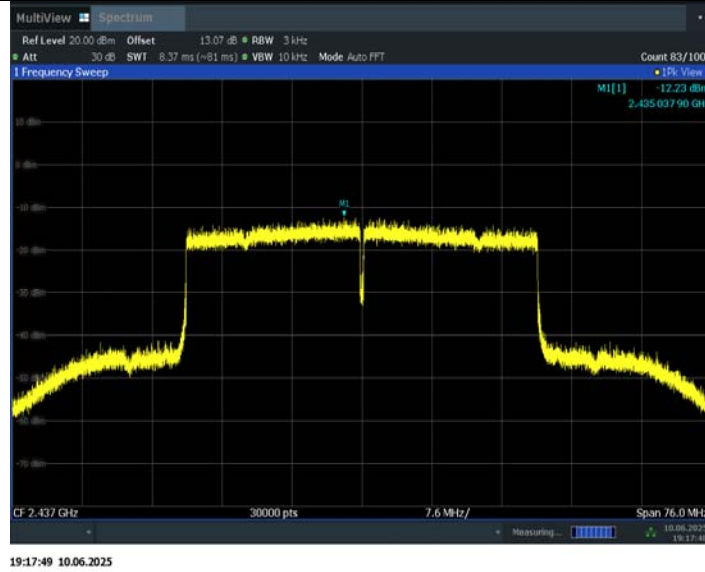
11AX40MIMO_Ant8_2422



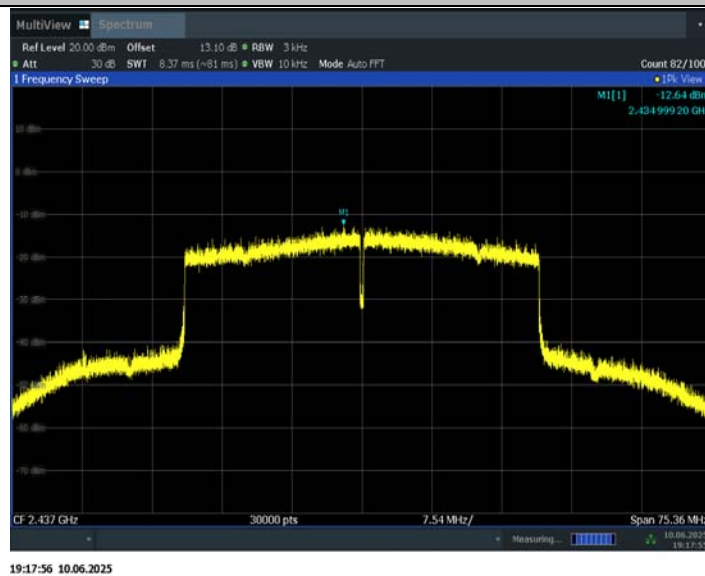
11AX40MIMO_Ant9_2422



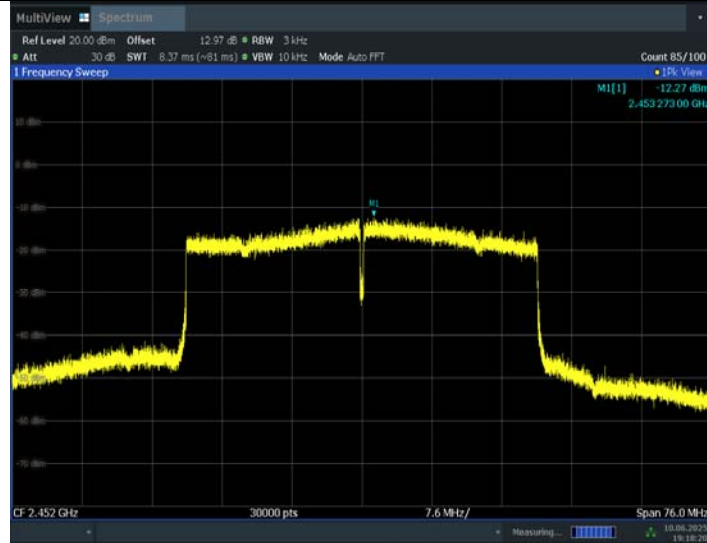
11AX40MIMO_Ant8_2437



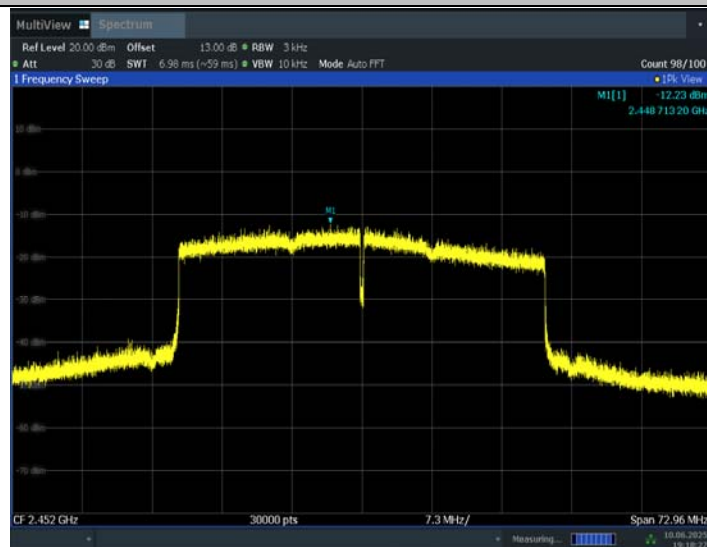
11AX40MIMO_Ant9_2437



11AX40MIMO_Ant8_2452



11AX40MIMO_Ant9_2452

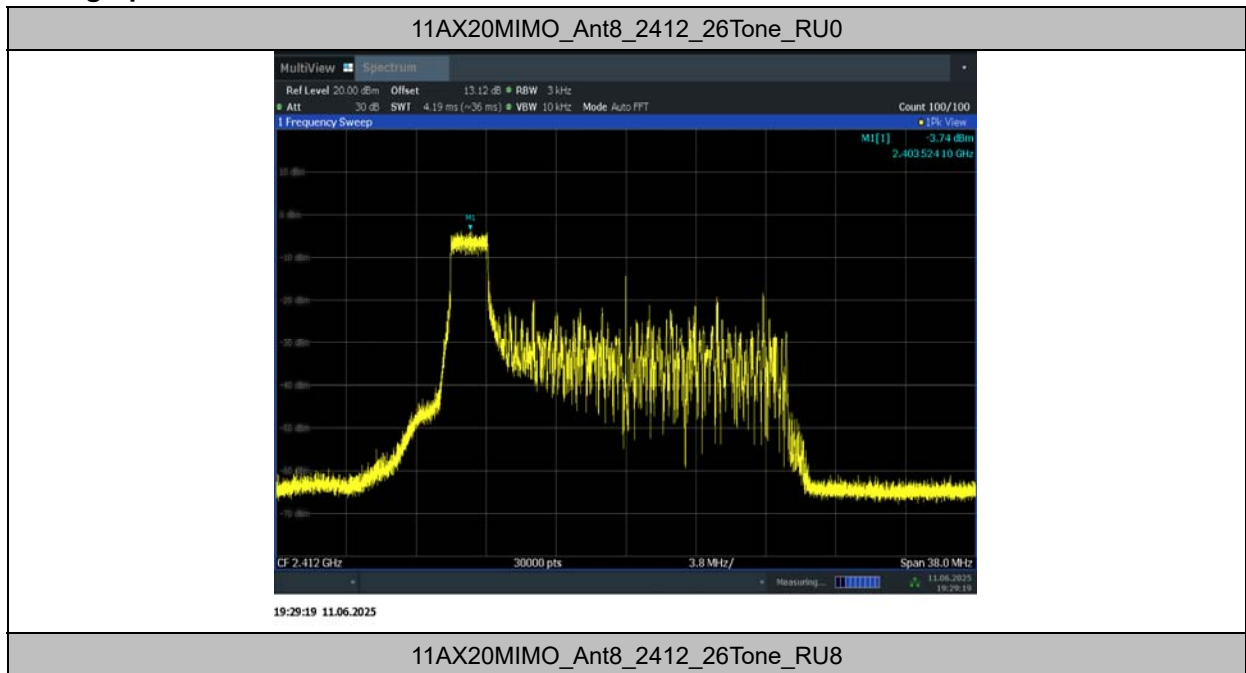


RU MIMO

TestMode	Antenna	Frequency[MHz]	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11AX20MIMO	Ant8	2412	26Tone	RU0	-3.74	≤8.00	PASS
				RU8	-3.65	≤8.00	PASS
			52Tone	RU37	-3.28	≤8.00	PASS
				RU40	-3.81	≤8.00	PASS
			106Tone	RU53	-6.13	≤8.00	PASS
				RU54	-6.41	≤8.00	PASS
	Ant9	2412	26Tone	RU0	-3.38	≤8.00	PASS
				RU8	-3.82	≤8.00	PASS
			52Tone	RU37	-3.41	≤8.00	PASS
				RU40	-3.58	≤8.00	PASS
			106Tone	RU53	-6.91	≤8.00	PASS
				RU54	-6.89	≤8.00	PASS
	total	2412	26Tone	RU0	-0.55	≤8.00	PASS
				RU8	-0.72	≤8.00	PASS
			52Tone	RU37	-0.33	≤8.00	PASS
				RU40	-0.68	≤8.00	PASS
			106Tone	RU53	-3.49	≤8.00	PASS
				RU54	-3.63	≤8.00	PASS
	Ant8	2437	26Tone	RU0	-3.17	≤8.00	PASS
				RU8	-3.47	≤8.00	PASS
			52Tone	RU37	-3.80	≤8.00	PASS
				RU40	-3.75	≤8.00	PASS
			106Tone	RU53	-6.33	≤8.00	PASS
				RU54	-6.69	≤8.00	PASS
	Ant9	2437	26Tone	RU0	-3.60	≤8.00	PASS
				RU8	-3.39	≤8.00	PASS
			52Tone	RU37	-3.77	≤8.00	PASS
				RU40	-3.98	≤8.00	PASS
			106Tone	RU53	-7.26	≤8.00	PASS
				RU54	-6.97	≤8.00	PASS
	total	2437	26Tone	RU0	-0.37	≤8.00	PASS
				RU8	-0.42	≤8.00	PASS
			52Tone	RU37	-0.77	≤8.00	PASS
				RU40	-0.85	≤8.00	PASS
			106Tone	RU53	-3.76	≤8.00	PASS
				RU54	-3.82	≤8.00	PASS
	Ant8	2462	26Tone	RU0	-3.11	≤8.00	PASS
				RU8	-3.05	≤8.00	PASS
			52Tone	RU37	-3.63	≤8.00	PASS

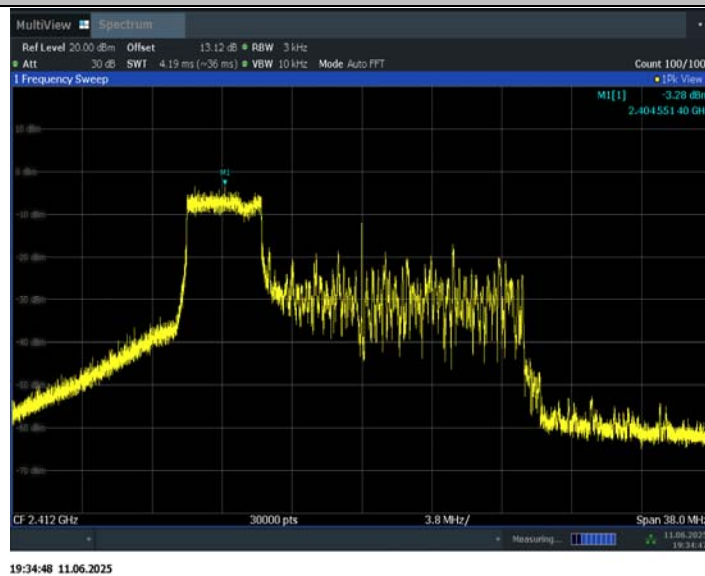
			106Tone	RU40	-3.86	≤ 8.00	PASS
				RU53	-6.21	≤ 8.00	PASS
				RU54	-6.21	≤ 8.00	PASS
	Ant9	2462	26Tone	RU0	-3.00	≤ 8.00	PASS
				RU8	-3.98	≤ 8.00	PASS
			52Tone	RU37	-3.60	≤ 8.00	PASS
				RU40	-3.99	≤ 8.00	PASS
			106Tone	RU53	-6.78	≤ 8.00	PASS
				RU54	-6.78	≤ 8.00	PASS
	total	2462	26Tone	RU0	-0.04	≤ 8.00	PASS
				RU8	-0.48	≤ 8.00	PASS
			52Tone	RU37	-0.60	≤ 8.00	PASS
				RU40	-0.91	≤ 8.00	PASS
			106Tone	RU53	-3.48	≤ 8.00	PASS
				RU54	-3.48	≤ 8.00	PASS

Test graphs as below:

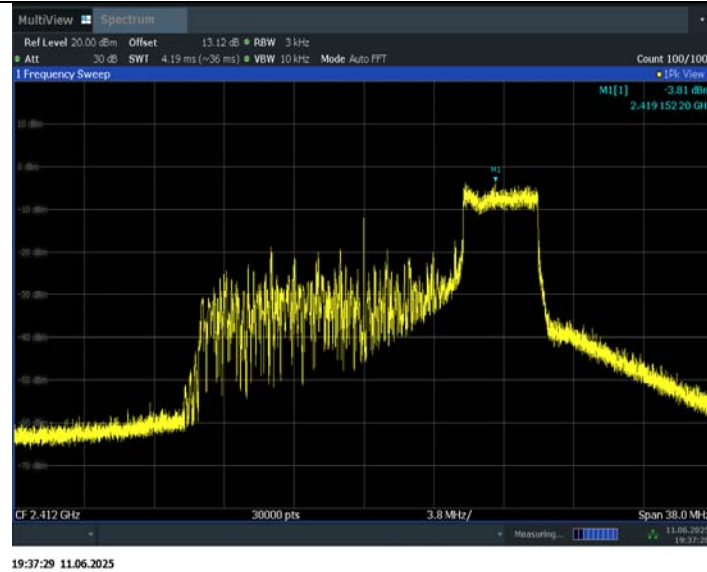




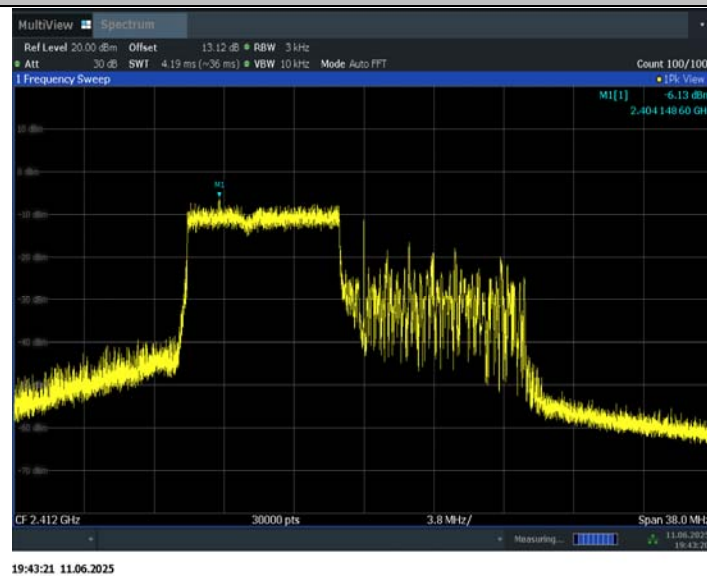
11AX20MIMO_Ant8_2412_52Tone_RU37



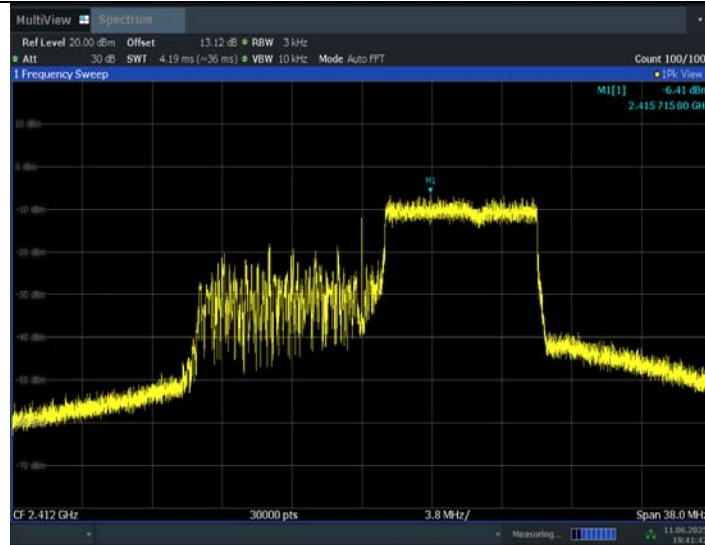
11AX20MIMO_Ant8_2412_52Tone_RU40



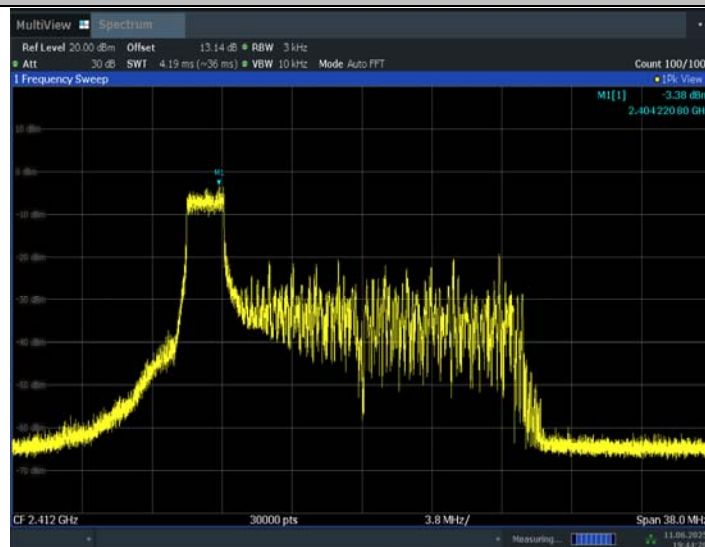
11AX20MIMO_Ant8_2412_106Tone_RU53



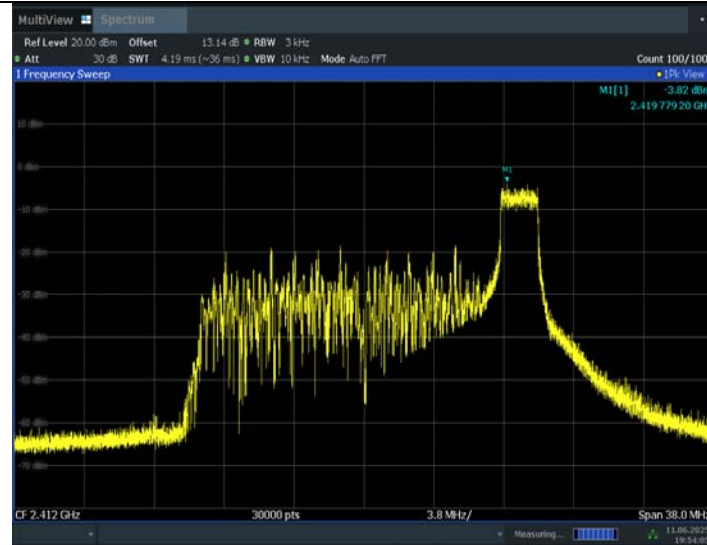
11AX20MIMO_Ant8_2412_106Tone_RU54



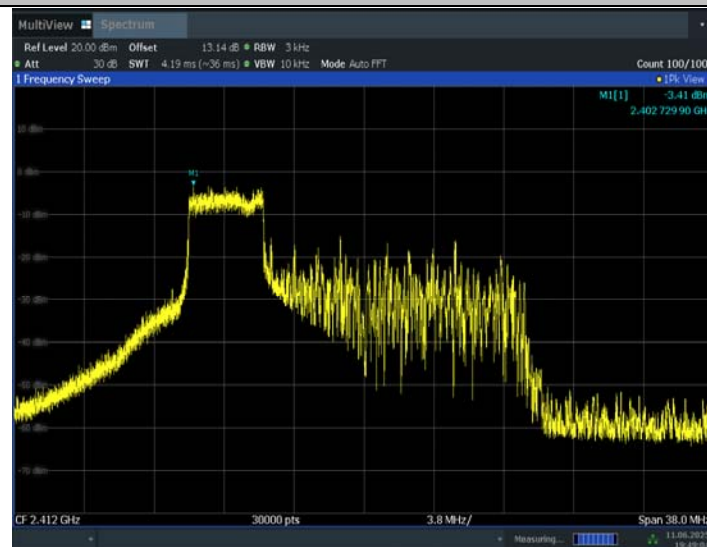
11AX20MIMO_Ant9_2412_26Tone_RU0



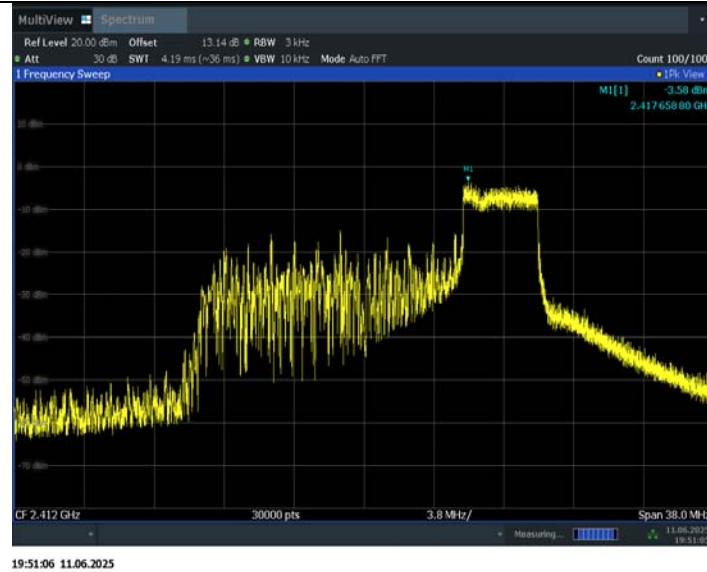
11AX20MIMO_Ant9_2412_26Tone_RU8



11AX20MIMO_Ant9_2412_52Tone_RU37



11AX20MIMO_Ant9_2412_52Tone_RU40



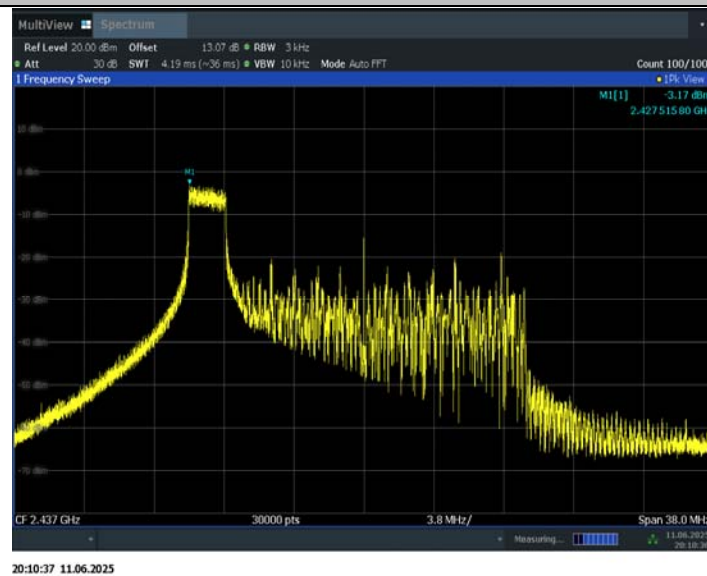
11AX20MIMO_Ant9_2412_106Tone_RU53



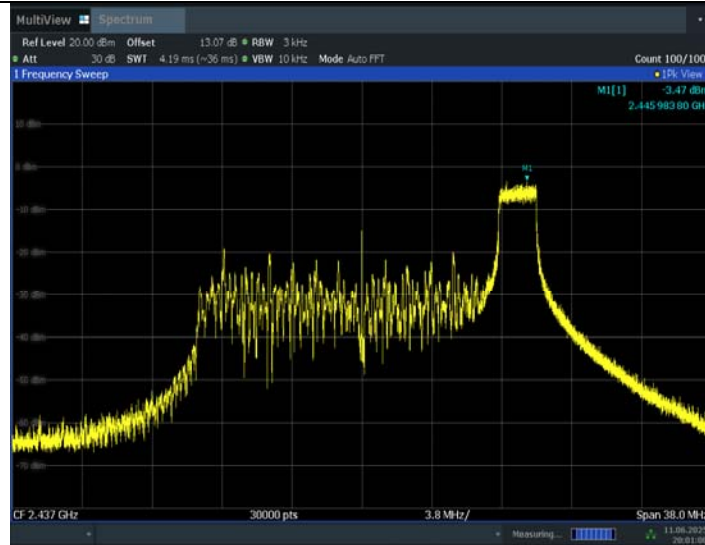
11AX20MIMO_Ant9_2412_106Tone_RU54



11AX20MIMO_Ant8_2437_26Tone_RU0

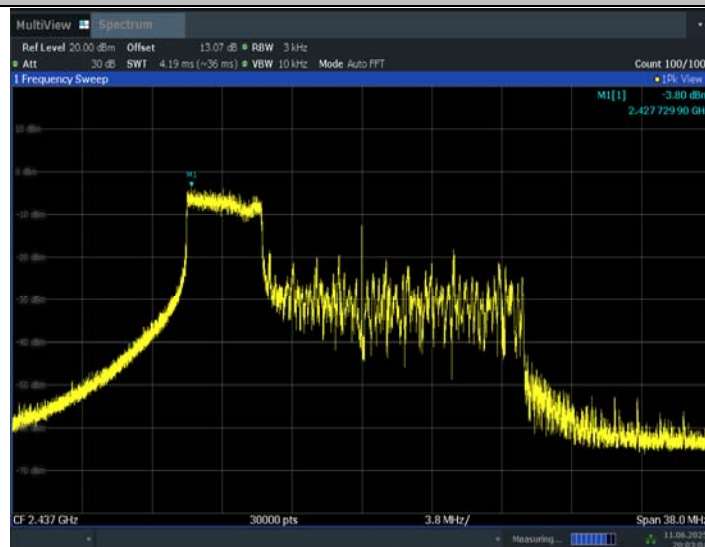


11AX20MIMO_Ant8_2437_26Tone_RU8



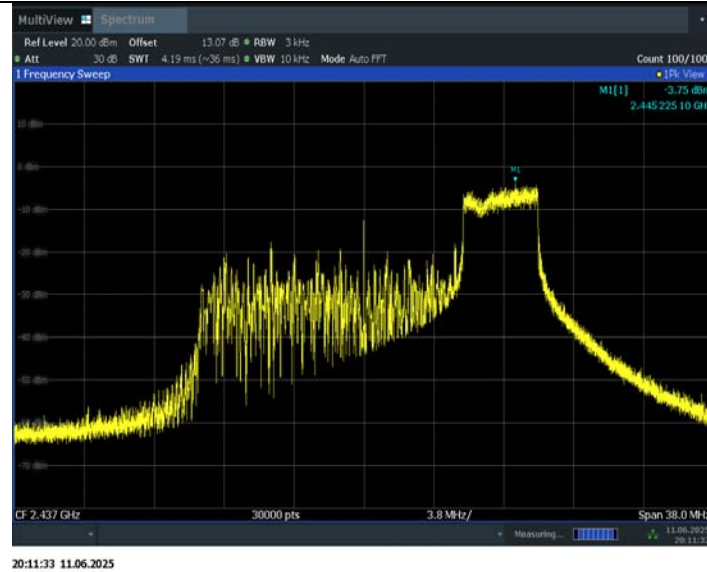
20:01:08 11.06.2025

11AX20MIMO_Ant8_2437_52Tone_RU37

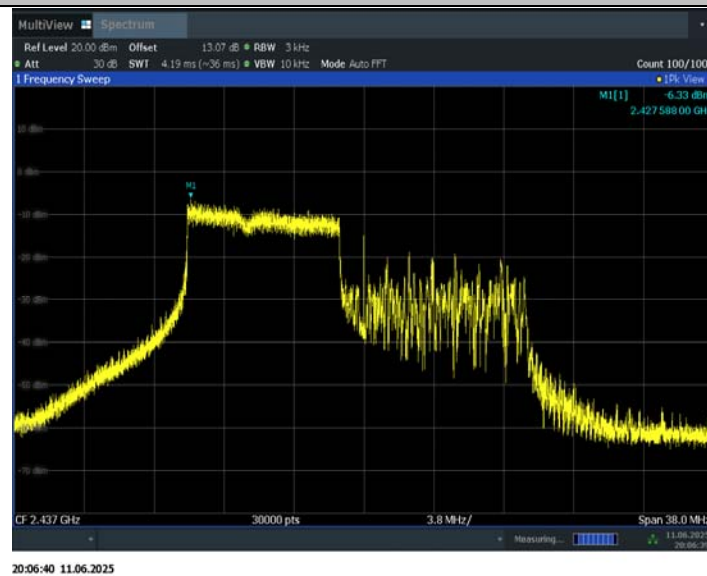


20:03:04 11.06.2025

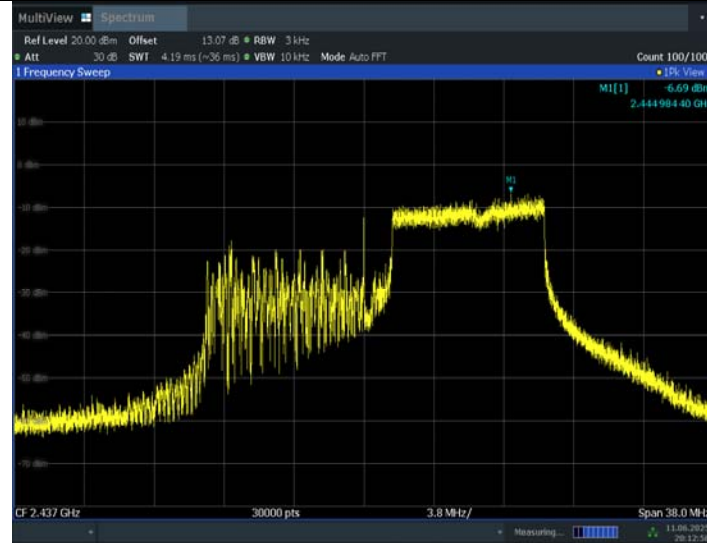
11AX20MIMO_Ant8_2437_52Tone_RU40



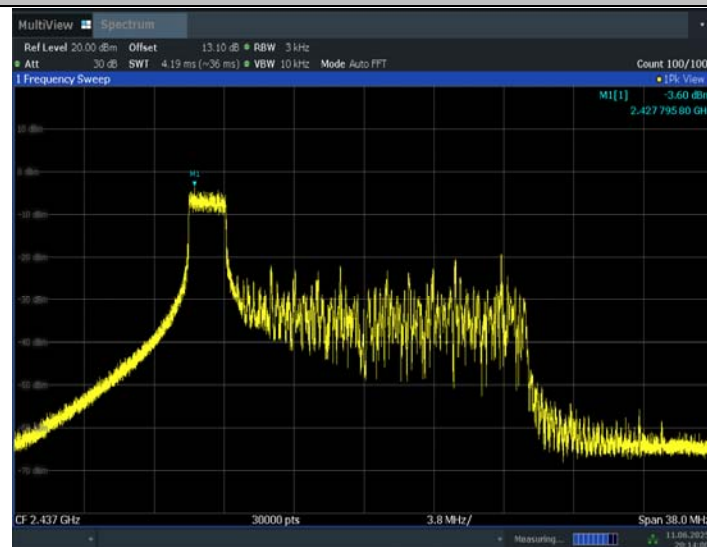
11AX20MIMO_Ant8_2437_106Tone_RU53



11AX20MIMO_Ant8_2437_106Tone_RU54



11AX20MIMO_Ant9_2437_26Tone_RU0



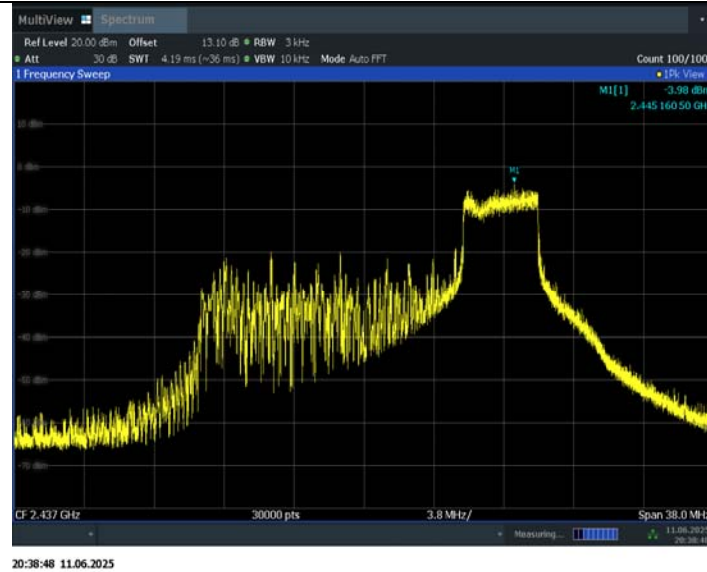
11AX20MIMO_Ant9_2437_26Tone_RU8



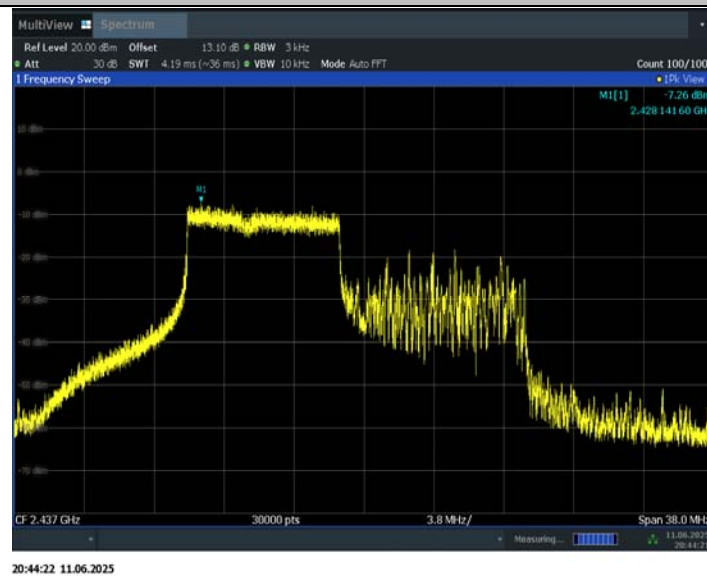
11AX20MIMO_Ant9_2437_52Tone_RU37



11AX20MIMO_Ant9_2437_52Tone_RU40



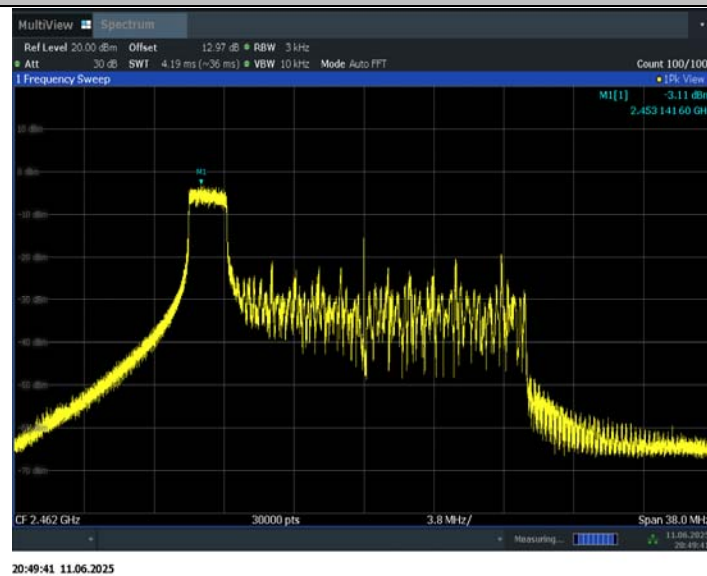
11AX20MIMO_Ant9_2437_106Tone_RU53



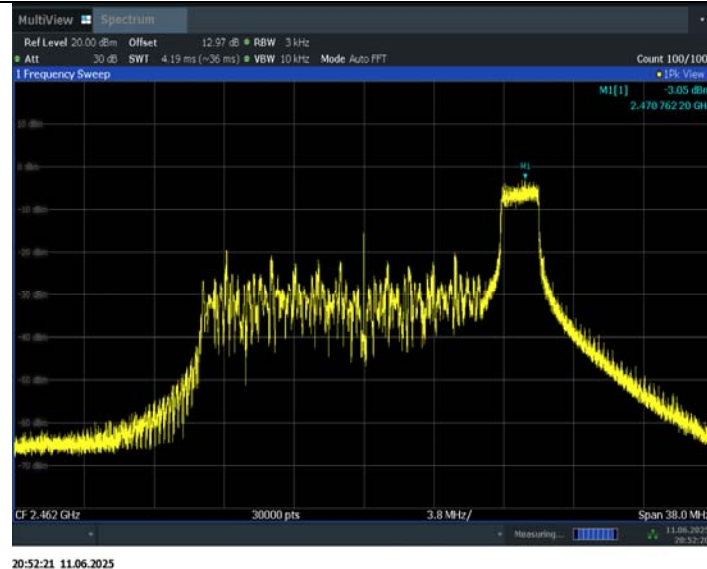
11AX20MIMO_Ant9_2437_106Tone_RU54



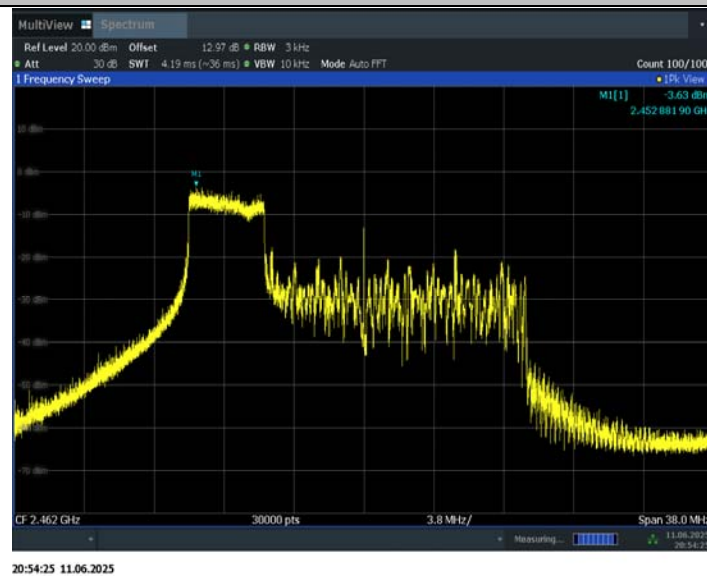
11AX20MIMO_Ant8_2462_26Tone_RU0



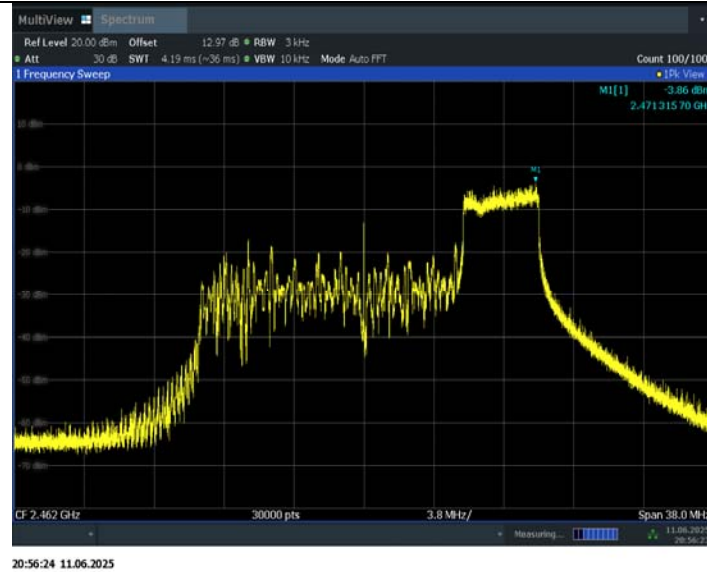
11AX20MIMO_Ant8_2462_26Tone_RU8



11AX20MIMO_Ant8_2462_52Tone_RU37



11AX20MIMO_Ant8_2462_52Tone_RU40



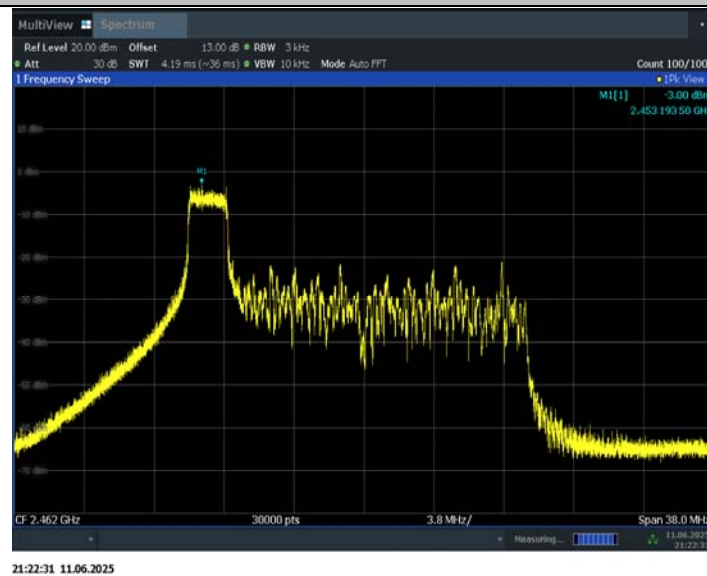
11AX20MIMO_Ant8_2462_106Tone_RU53



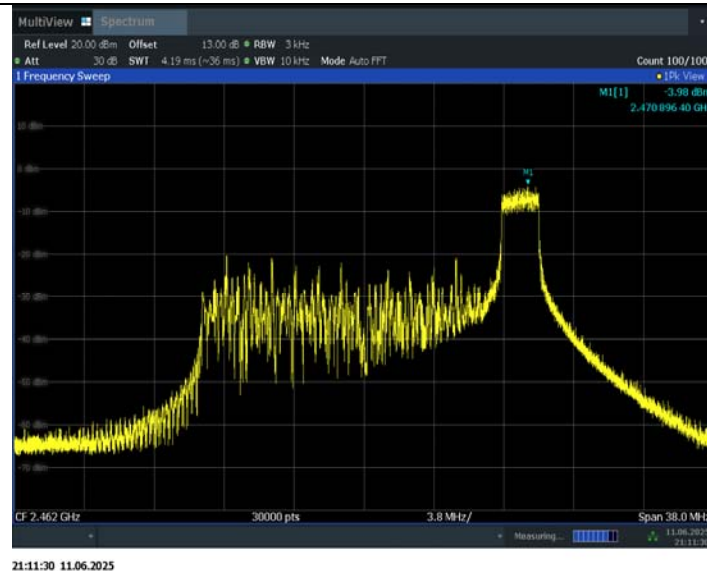
11AX20MIMO_Ant8_2462_106Tone_RU54



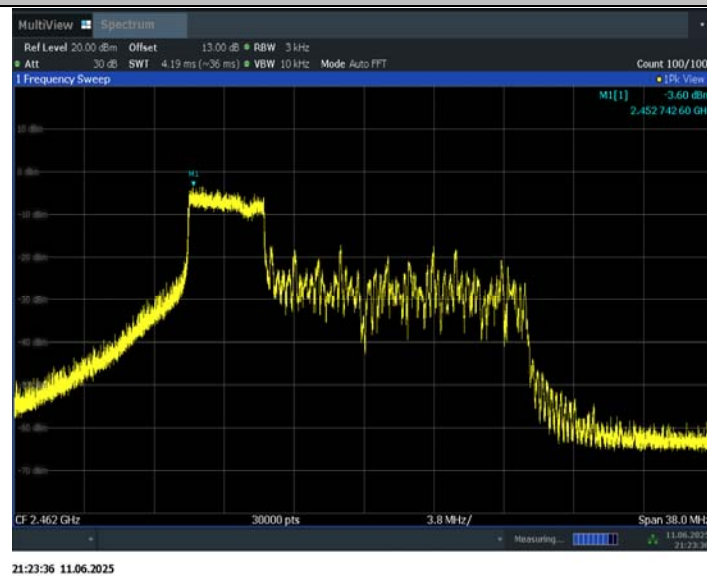
11AX20MIMO_Ant9_2462_26Tone_RU0



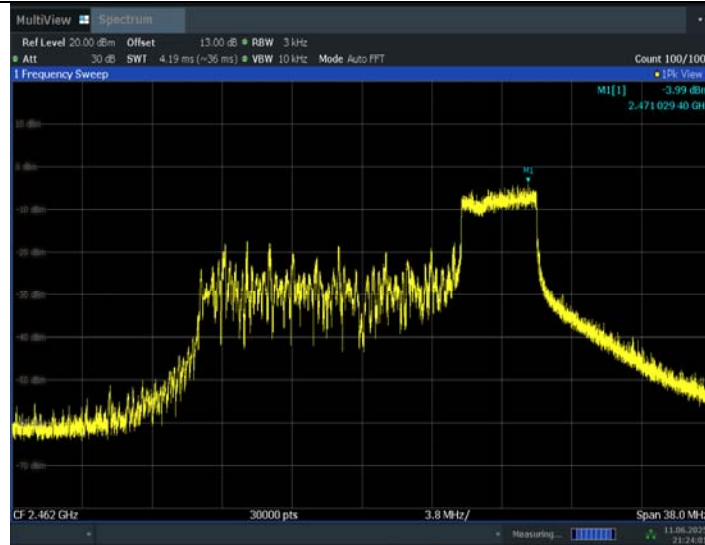
11AX20MIMO_Ant9_2462_26Tone_RU8



11AX20MIMO_Ant9_2462_52Tone_RU37

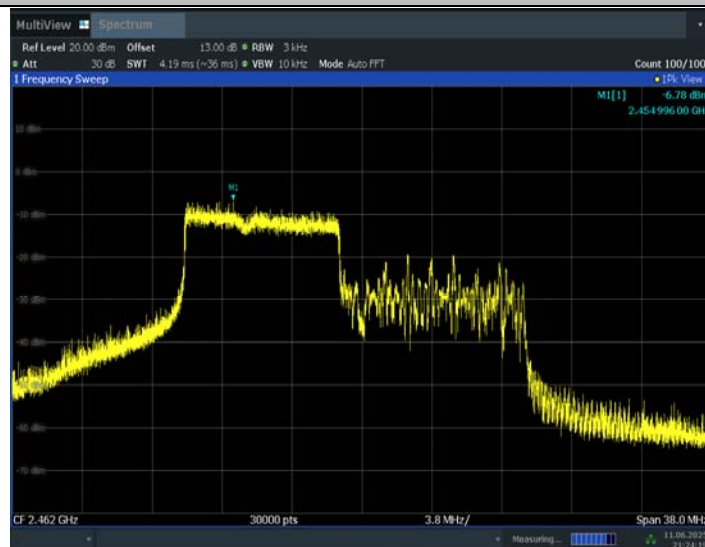


11AX20MIMO_Ant9_2462_52Tone_RU40



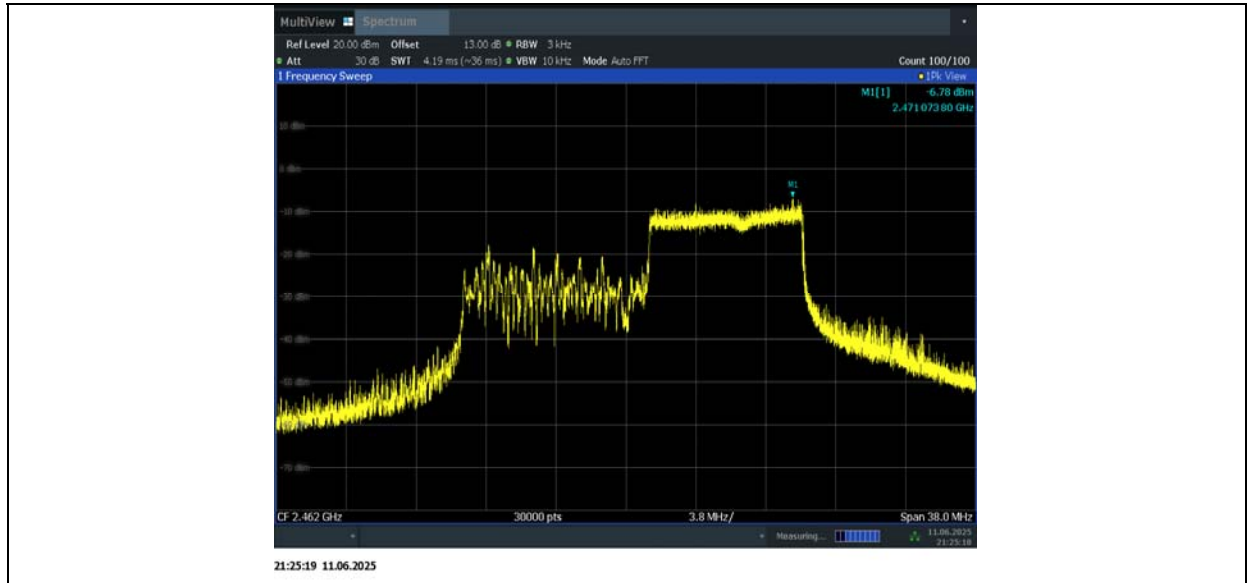
21:24:02 11.06.2025

11AX20MIMO_Ant9_2462_106Tone_RU53



21:24:19 11.06.2025

11AX20MIMO_Ant9_2462_106Tone_RU54



Conclusion: Pass

A.4. DTS 6-dB Signal Bandwidth

Method of Measurement: See ANSI C63.10-2013 section 11.8.1.

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) = 300 kHz.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	≥ 500

EUT ID: UT36a

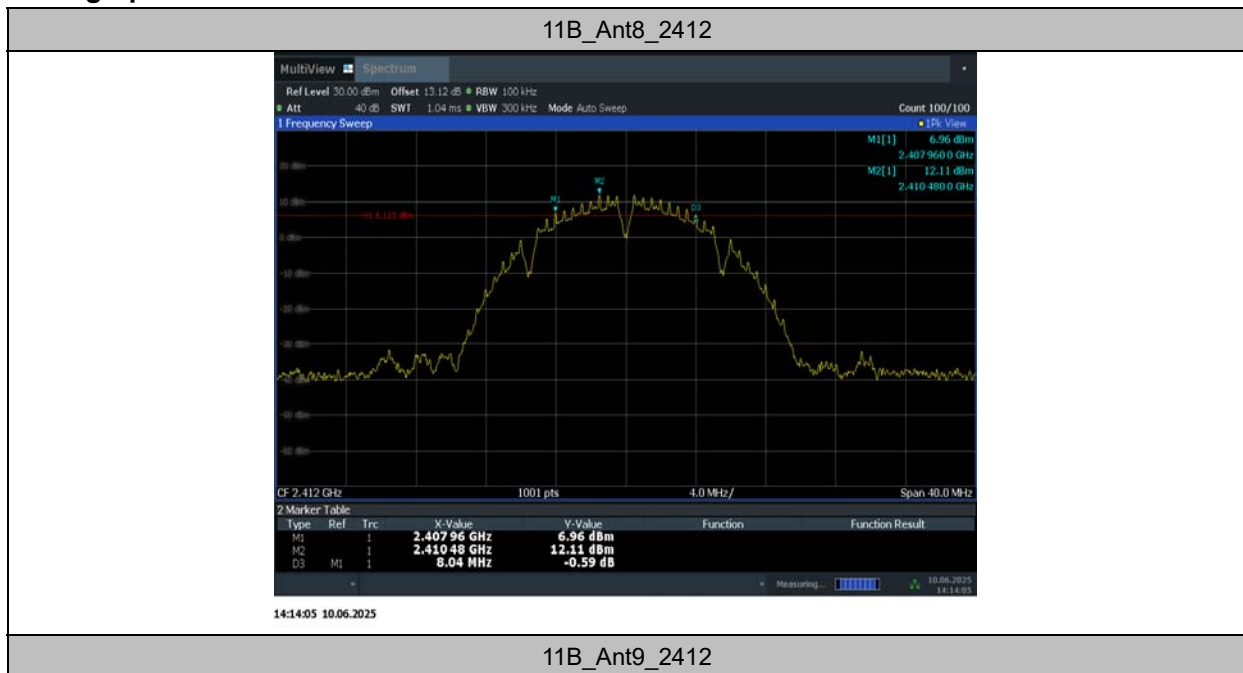
Full RU MIMO

Measurement Result:

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant8	2412	8.04	2407.96	2416.00	0.5	PASS
	Ant9	2412	8.52	2407.48	2416.00	0.5	PASS
	Ant8	2437	8.04	2432.96	2441.00	0.5	PASS
	Ant9	2437	8.04	2432.96	2441.00	0.5	PASS
	Ant8	2462	8.04	2457.96	2466.00	0.5	PASS
	Ant9	2462	7.56	2457.92	2465.48	0.5	PASS
11G	Ant8	2412	16.44	2403.76	2420.20	0.5	PASS
	Ant9	2412	15.64	2403.84	2419.48	0.5	PASS
	Ant8	2437	16.48	2428.68	2445.16	0.5	PASS
	Ant9	2437	16.52	2428.72	2445.24	0.5	PASS
	Ant8	2462	16.60	2453.68	2470.28	0.5	PASS
	Ant9	2462	16.56	2453.68	2470.24	0.5	PASS
11N20MIMO	Ant8	2412	17.72	2403.08	2420.80	0.5	PASS
	Ant9	2412	17.60	2403.16	2420.76	0.5	PASS
	Ant8	2437	17.76	2428.04	2445.80	0.5	PASS
	Ant9	2437	17.72	2428.16	2445.88	0.5	PASS
	Ant8	2462	17.80	2453.08	2470.88	0.5	PASS
	Ant9	2462	17.72	2453.08	2470.80	0.5	PASS
11N40MIMO	Ant8	2422	36.40	2403.76	2440.16	0.5	PASS
	Ant9	2422	36.40	2403.76	2440.16	0.5	PASS
	Ant8	2437	36.40	2418.76	2455.16	0.5	PASS

	Ant9	2437	36.32	2418.84	2455.16	0.5	PASS
	Ant8	2452	36.40	2433.76	2470.16	0.5	PASS
	Ant9	2452	35.76	2433.76	2469.52	0.5	PASS
11AX20MIMO	Ant8	2412	19.00	2402.48	2421.48	0.5	PASS
	Ant9	2412	19.00	2402.44	2421.44	0.5	PASS
	Ant8	2437	19.24	2427.36	2446.60	0.5	PASS
	Ant9	2437	19.20	2427.40	2446.60	0.5	PASS
	Ant8	2462	19.08	2452.44	2471.52	0.5	PASS
	Ant9	2462	19.24	2452.32	2471.56	0.5	PASS
11AX40MIMO	Ant8	2422	38.08	2402.88	2440.96	0.5	PASS
	Ant9	2422	38.08	2402.96	2441.04	0.5	PASS
	Ant8	2437	38.00	2417.96	2455.96	0.5	PASS
	Ant9	2437	37.68	2418.12	2455.80	0.5	PASS
	Ant8	2452	38.00	2432.96	2470.96	0.5	PASS
	Ant9	2452	36.48	2432.96	2469.44	0.5	PASS

Test graphs as below:





14:20:26 10.06.2025

11B_Ant8_2437



14:24:40 10.06.2025

11B_Ant9_2437



14:32:31 10.06.2025

11B_Ant8_2462



14:35:34 10.06.2025

11B_Ant9_2462



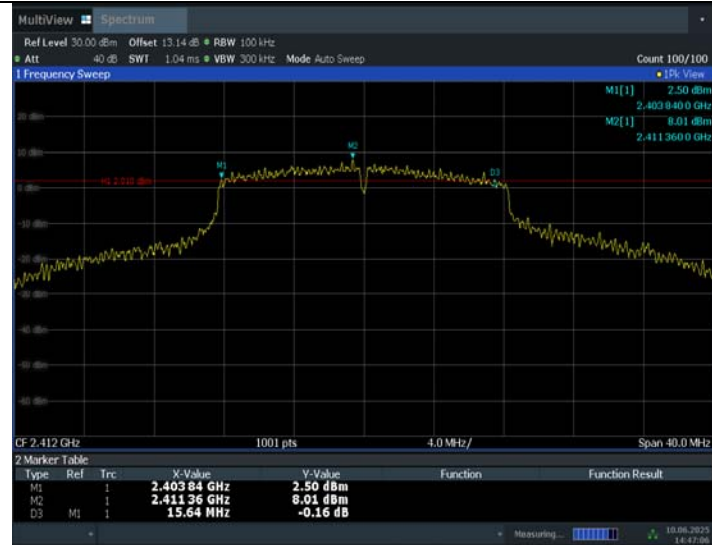
14:37:10 10.06.2025

11G_Ant8_2412



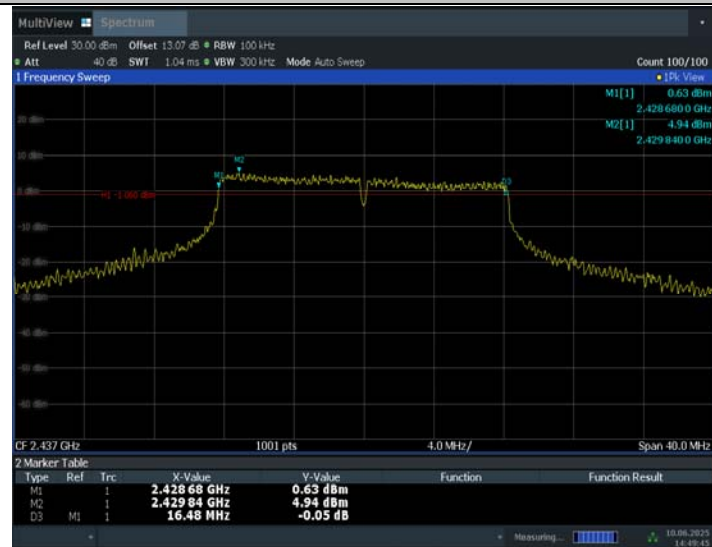
14:45:30 10.06.2025

11G_Ant9_2412



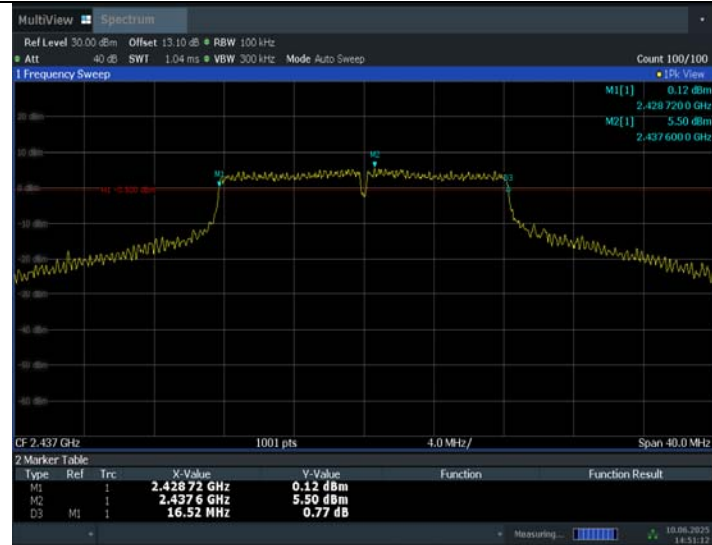
14:47:07 10.06.2025

11G_Ant8_2437



14:49:46 10.06.2025

11G_Ant9_2437



14:51:13 10.06.2025

11G_Ant8_2462



14:59:02 10.06.2025

11G_Ant9_2462



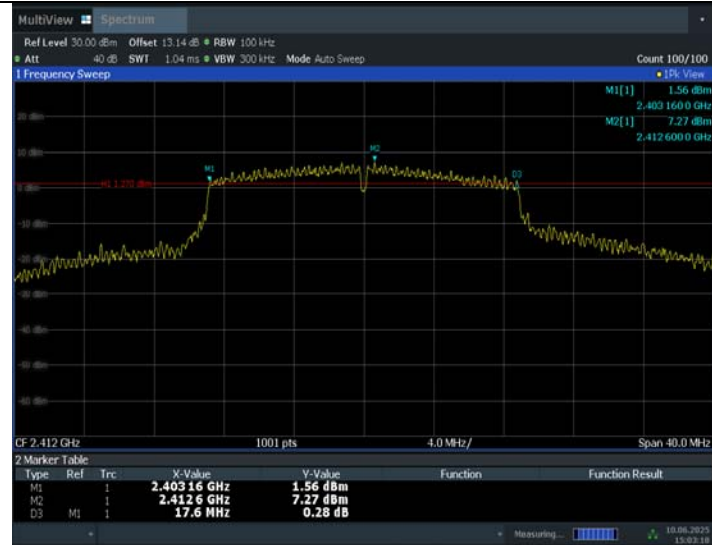
15:00:23 10.06.2025

11N20MIMO_Ant8_2412



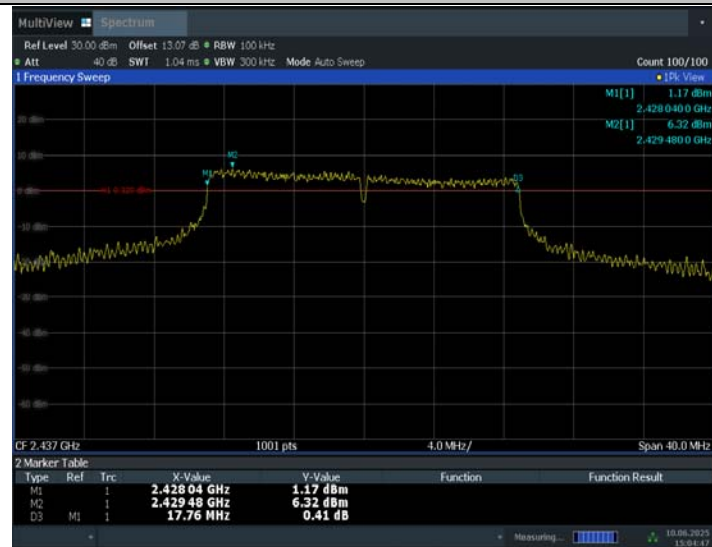
15:01:56 10.06.2025

11N20MIMO_Ant9_2412



15:03:18 10.06.2025

11N20MIMO_Ant8_2437



15:04:47 10.06.2025

11N20MIMO_Ant9_2437



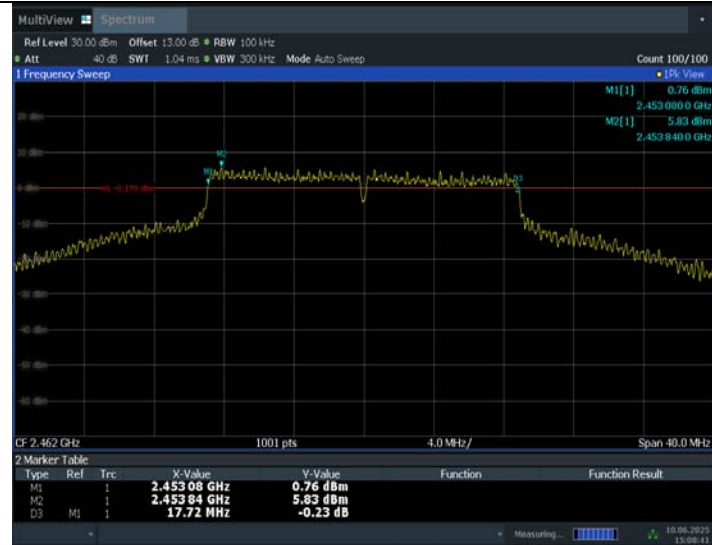
15:05:59 10.06.2025

11N20MIMO_Ant8_2462



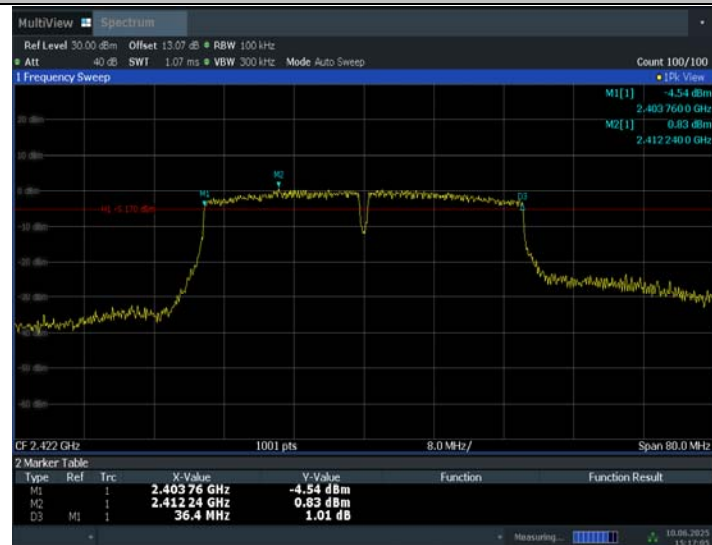
15:07:20 10.06.2025

11N20MIMO_Ant9_2462



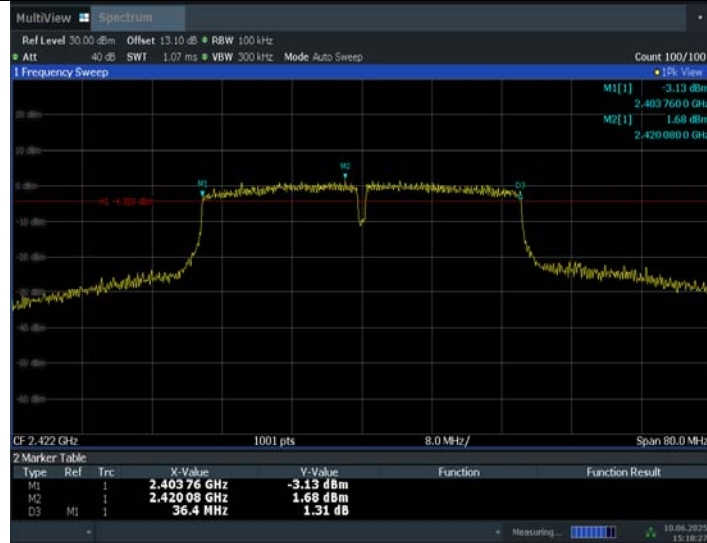
15:08:42 10.06.2025

11N40MIMO_Ant8_2422



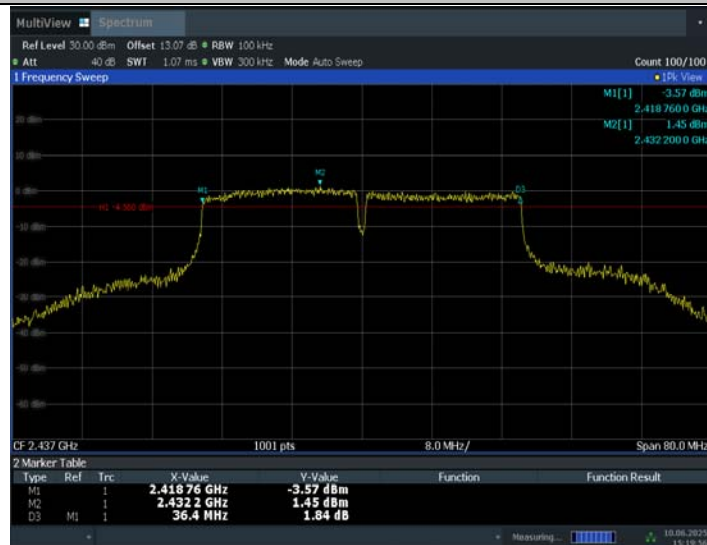
15:17:06 10.06.2025

11N40MIMO_Ant9_2422



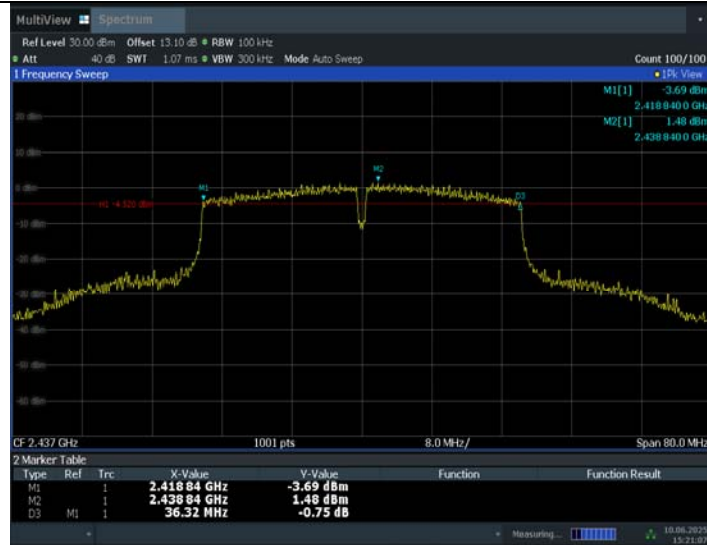
15:18:28 10.06.2025

11N40MIMO_Ant8_2437



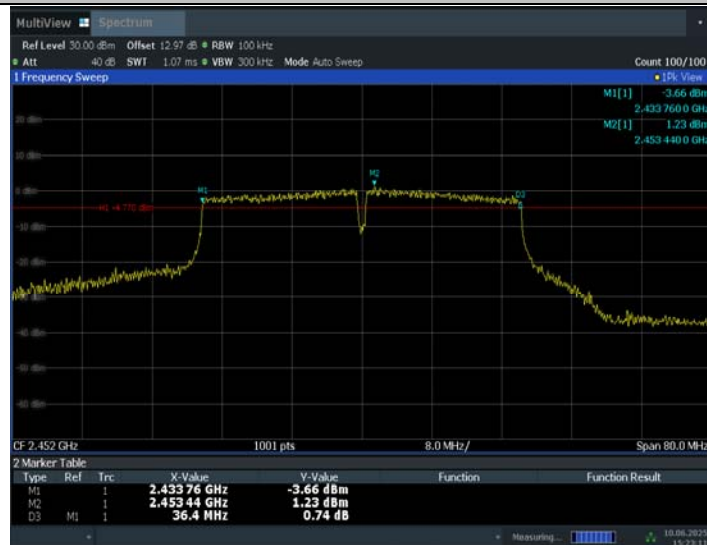
15:19:56 10.06.2025

11N40MIMO_Ant9_2437



15:21:08 10.06.2025

11N40MIMO_Ant8_2452



15:23:12 10.06.2025

11N40MIMO_Ant9_2452



15:24:34 10.06.2025

11AX20MIMO_Ant8_2412



15:26:06 10.06.2025

11AX20MIMO_Ant9_2412



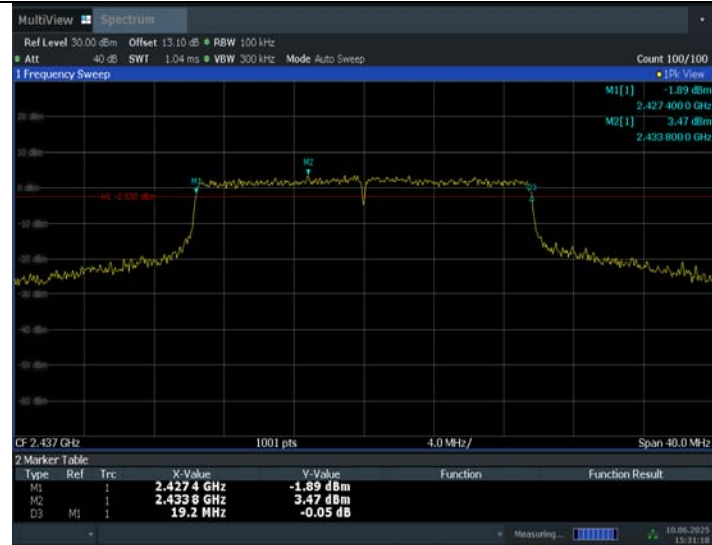
15:27:27 10.06.2025

11AX20MIMO_Ant8_2437



15:30:06 10.06.2025

11AX20MIMO_Ant9_2437



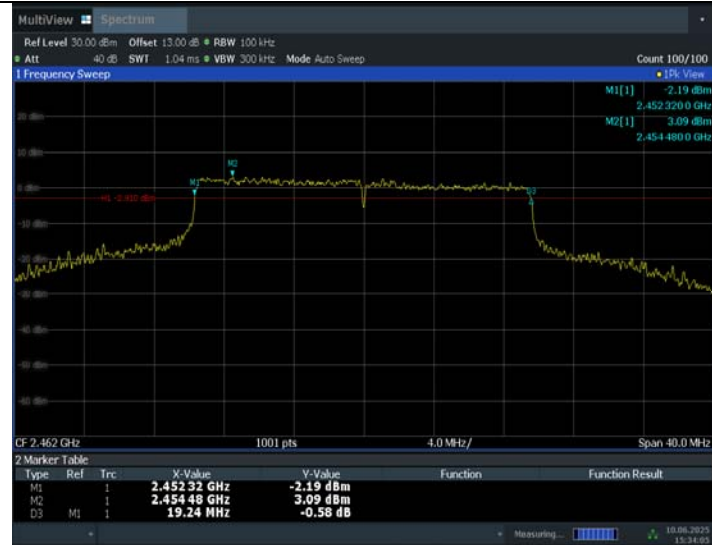
15:31:18 10.06.2025

11AX20MIMO_Ant8_2462



15:32:14 10.06.2025

11AX20MIMO_Ant9_2462



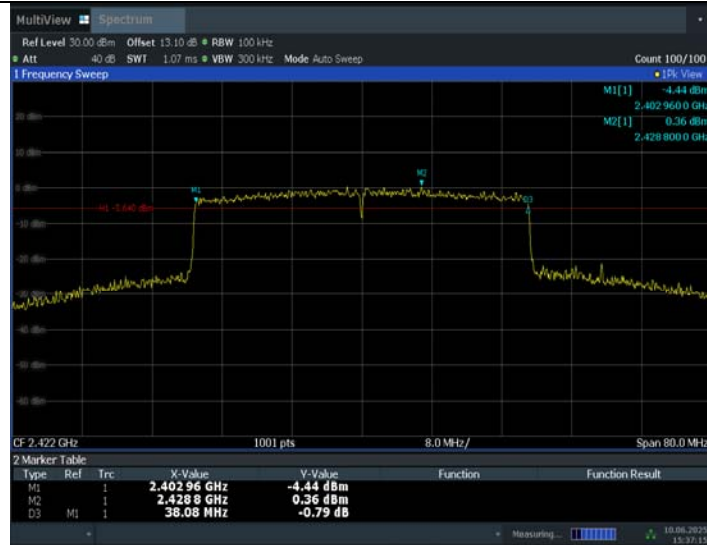
15:34:06 10.06.2025

11AX40MIMO_Ant8_2422



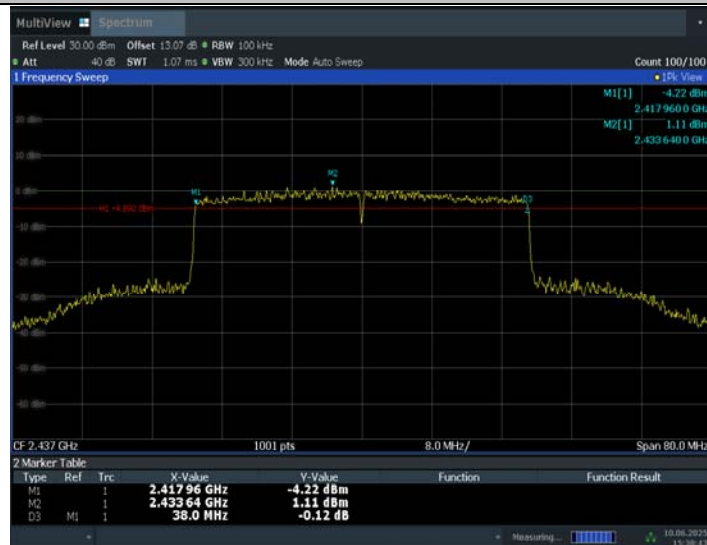
15:35:54 10.06.2025

11AX40MIMO_Ant9_2422



15:37:15 10.06.2025

11AX40MIMO_Ant8_2437



15:38:13 10.06.2025

11AX40MIMO_Ant9_2437



15:39:55 10.06.2025

11AX40MIMO_Ant8_2452



15:42:01 10.06.2025

11AX40MIMO_Ant9_2452



Conclusion: Pass

A.5. Band Edges Compliance

Method of Measurement: See ANSI C63.10-2013-clause 6.10.4

Connect the spectrum analyzer to the EUT using an appropriate RF cable connected to the EUT output. Configure the spectrum analyzer settings as described below.

- Set Span = 100MHz
- Sweep Time: coupled
- Set the RBW= 100 kHz
- Set the VBW= 300 kHz
- Detector: Peak
- Trace: Max hold

Measurement Limit:

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d)	> 20

EUT ID: UT36a

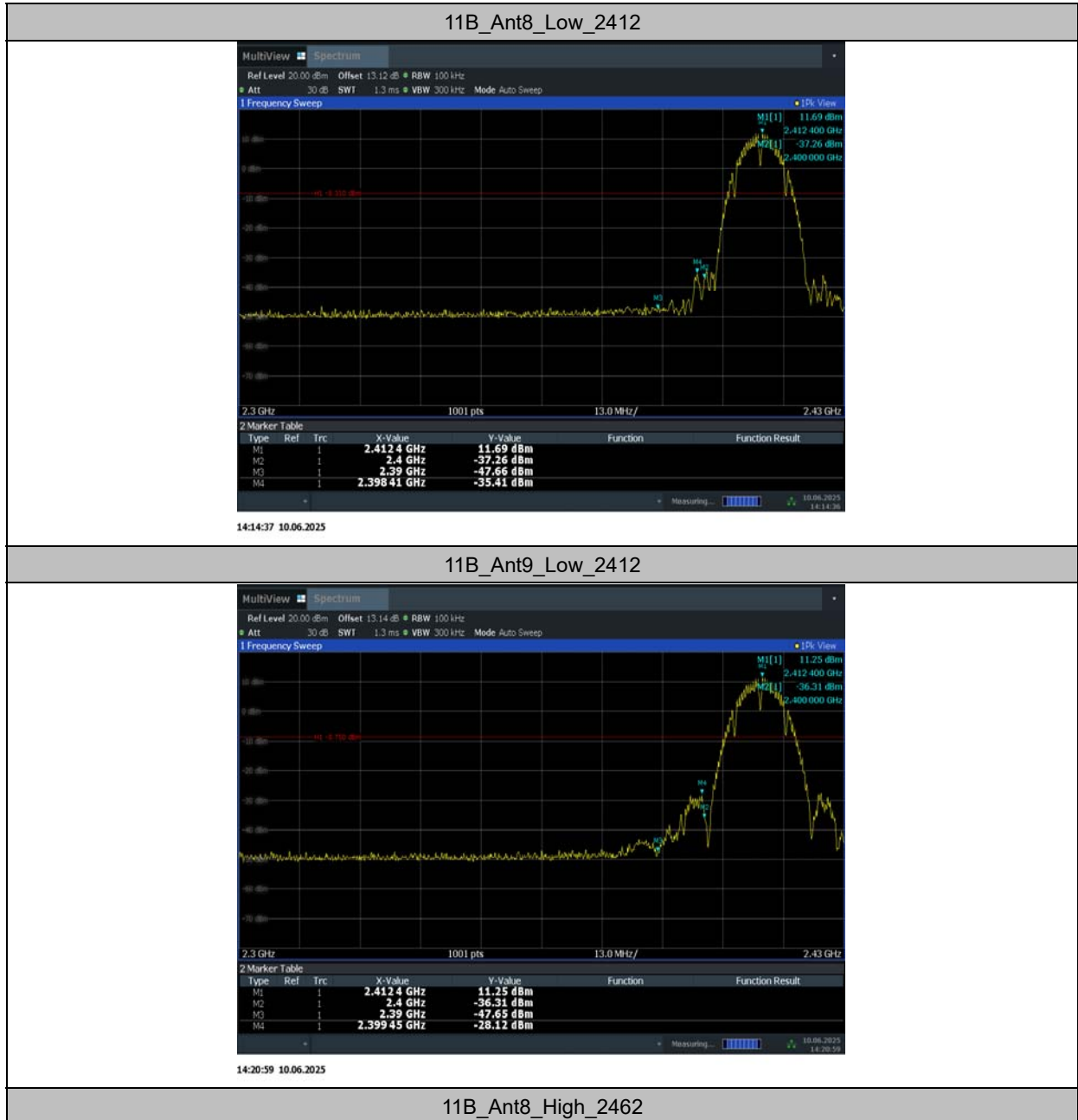
Full RU MIMO

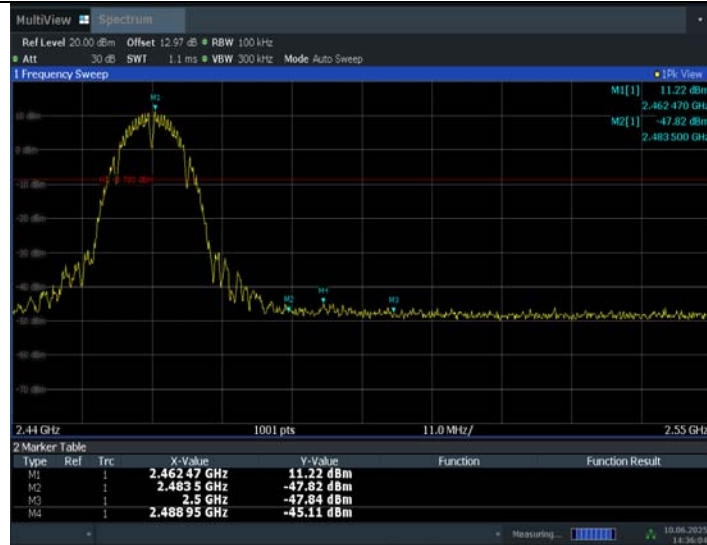
Measurement Result:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant8	Low	2412	11.69	-35.41	≤-8.31	PASS
	Ant9	Low	2412	11.25	-28.12	≤-8.75	PASS
	Ant8	High	2462	11.22	-45.11	≤-8.78	PASS
	Ant9	High	2462	10.18	-45.33	≤-9.82	PASS
11G	Ant8	Low	2412	6.47	-23.36	≤-13.53	PASS
	Ant9	Low	2412	6.94	-14.57	≤-13.06	PASS
	Ant8	High	2462	4.94	-35.84	≤-15.06	PASS
	Ant9	High	2462	4.49	-31.79	≤-15.51	PASS
11N20MIMO	Ant8	Low	2412	5.37	-25.5	≤-14.63	PASS
	Ant9	Low	2412	7.77	-16.05	≤-12.23	PASS
	Ant8	High	2462	5.35	-32.64	≤-14.65	PASS
	Ant9	High	2462	5.32	-26.16	≤-14.68	PASS
11N40MIMO	Ant8	Low	2422	0.43	-32.5	≤-19.57	PASS
	Ant9	Low	2422	2.14	-24.91	≤-17.86	PASS
	Ant8	High	2452	0.94	-36.5	≤-19.06	PASS
	Ant9	High	2452	1.81	-27.82	≤-18.19	PASS
11AX20MIMO	Ant8	Low	2412	5.44	-27.94	≤-14.56	PASS
	Ant9	Low	2412	4.50	-19.86	≤-15.5	PASS
	Ant8	High	2462	3.85	-39.13	≤-16.15	PASS
	Ant9	High	2462	3.02	-30.64	≤-16.98	PASS
11AX40MIMO	Ant8	Low	2422	0.71	-37.86	≤-19.29	PASS
	Ant9	Low	2422	0.47	-25.05	≤-19.53	PASS

	Ant8	High	2452	1.85	-38.3	≤-18.15	PASS
	Ant9	High	2452	0.73	-26.8	≤-19.27	PASS

Test graphs as below:





14:36:05 10.06.2025

11B_Ant9_High_2462



14:38:32 10.06.2025

11G_Ant8_Low_2412



14:46:02 10.06.2025

11G_Ant9_Low_2412



14:47:41 10.06.2025

11G_Ant8_High_2462



14:59:18 10.06.2025

11G_Ant9_High_2462



15:00:40 10.06.2025

11N20MIMO_Ant8_Low_2412



15:02:12 10.06.2025

11N20MIMO_Ant9_Low_2412



15:03:34 10.06.2025

11N20MIMO_Ant8_High_2462



15:07:36 10.06.2025

11N20MIMO_Ant9_High_2462



15:08:58 10.06.2025

11N40MIMO_Ant8_Low_2422



15:17:22 10.06.2025

11N40MIMO_Ant9_Low_2422



15:18:44 10.06.2025

11N40MIMO_Ant8_High_2452



15:23:28 10.06.2025

11N40MIMO_Ant9_High_2452



15:24:50 10.06.2025

11AX20MIMO_Ant8_Low_2412



15:26:22 10.06.2025

11AX20MIMO_Ant9_Low_2412



15:27:44 10.06.2025

11AX20MIMO_Ant8_High_2462



15:33:01 10.06.2025

11AX20MIMO_Ant9_High_2462



15:34:22 10.06.2025

11AX40MIMO_Ant8_Low_2422



15:36:10 10.06.2025

11AX40MIMO_Ant9_Low_2422



15:37:32 10.06.2025

11AX40MIMO_Ant8_High_2452



18:39:09 10.06.2025

11AX40MIMO_Ant9_High_2452



15:43:39 10.06.2025

RU MIMO

TestMode	Antenna	ChName	Frequency[MHz]	Ru Size	Ru Index	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant8	Low	2412	26Tone	RU0	9.62	-27.94	≤-10.38	PASS
					RU8	10.63	-40.45	≤-9.37	PASS
				52Tone	RU37	9.52	-22.23	≤-10.48	PASS
					RU40	9.77	-33.4	≤-10.23	PASS
				106Tone	RU53	7.19	-22.1	≤-12.81	PASS
					RU54	6.62	-32.07	≤-13.38	PASS
	Ant9	Low	2412	26Tone	RU0	8.77	-30.13	≤-11.23	PASS
					RU8	9.28	-38.79	≤-10.72	PASS
				52Tone	RU37	9.37	-18.91	≤-10.63	PASS
					RU40	9.87	-27.63	≤-10.13	PASS
				106Tone	RU53	6.27	-19.13	≤-13.73	PASS
					RU54	6.38	-32.24	≤-13.62	PASS
	Ant8	High	2462	26Tone	RU0	11.34	-42.07	≤-8.66	PASS
					RU8	10.94	-45	≤-9.06	PASS
				52Tone	RU37	9.74	-39.98	≤-10.26	PASS
					RU40	9.95	-41.12	≤-10.05	PASS
				106Tone	RU53	6.27	-41.72	≤-13.73	PASS
					RU54	7.35	-33.52	≤-12.65	PASS
	Ant9	High	2462	26Tone	RU0	10.13	-40.93	≤-9.87	PASS
					RU8	9.30	-39.62	≤-10.7	PASS
				52Tone	RU37	8.78	-39.74	≤-11.22	PASS
					RU40	8.51	-36.96	≤-11.49	PASS
				106Tone	RU53	5.52	-37.81	≤-14.48	PASS
					RU54	4.42	-37.21	≤-15.58	PASS

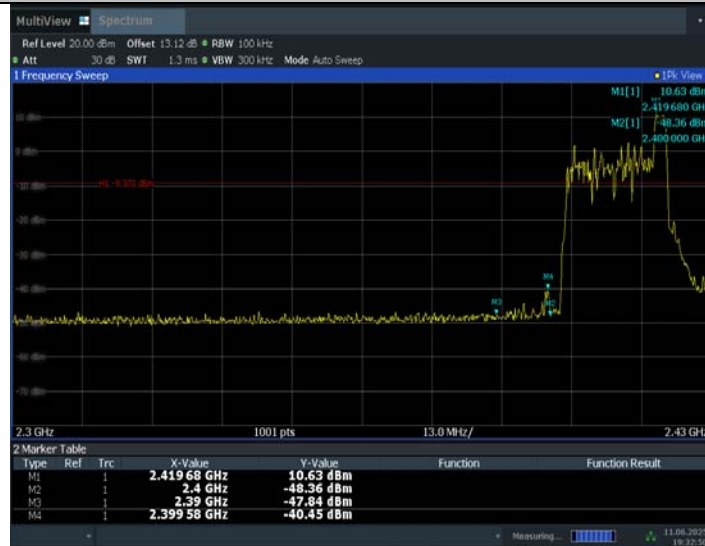
Test graphs as below:

11AX20MIMO_Ant8_Low_2412_26Tone_RU0



19:29:29 11.06.2025

11AX20MIMO_Ant8_Low_2412_26Tone_RU8



19:32:51 11.06.2025

11AX20MIMO_Ant8_Low_2412_52Tone_RU37



19:34:58 11.06.2025

11AX20MIMO_Ant8_Low_2412_52Tone_RU40



19:37:39 11.06.2025

11AX20MIMO_Ant8_Low_2412_106Tone_RU53



19:39:44 11.06.2025

11AX20MIMO_Ant8_Low_2412_106Tone_RU54



19:41:53 11.06.2025

11AX20MIMO_Ant9_Low_2412_26Tone_RU0



19:44:38 11.06.2025

11AX20MIMO_Ant9_Low_2412_26Tone_RU8



19:47:01 11.06.2025

11AX20MIMO_Ant9_Low_2412_52Tone_RU37



19:49:15 11.06.2025

11AX20MIMO_Ant9_Low_2412_52Tone_RU40



19:51:17 11.06.2025

11AX20MIMO_Ant9_Low_2412_106Tone_RU53



19:55:25 11.06.2025

11AX20MIMO_Ant9_Low_2412_106Tone_RU54



19:57:22 11.06.2025

11AX20MIMO_Ant8_High_2462_26Tone_RU0



20:45:43 11.06.2025

11AX20MIMO_Ant8_High_2462_26Tone_RU8



20:51:08 11.06.2025

11AX20MIMO_Ant8_High_2462_52Tone_RU37



20:54:35 11.06.2025

11AX20MIMO_Ant8_High_2462_52Tone_RU40



20:56:34 11.06.2025

11AX20MIMO_Ant8_High_2462_106Tone_RU53



20:59:55 11.06.2025

11AX20MIMO_Ant8_High_2462_106Tone_RU54



21:01:53 11.06.2025

11AX20MIMO_Ant9_High_2462_26Tone_RU0



21:06:55 11.06.2025

11AX20MIMO_Ant9_High_2462_26Tone_RU8



21:11:40 11.06.2025

11AX20MIMO_Ant9_High_2462_52Tone_RU37



21:13:56 11.06.2025

11AX20MIMO_Ant9_High_2462_52Tone_RU40



21:15:55 11.06.2025

11AX20MIMO_Ant9_High_2462_106Tone_RU53



Conclusion: Pass

A.6. Transmitter Spurious Emission

A.6.1 Transmitter Spurious Emission – Conducted

Method of Measurement: See ANSI C63.10-2013-clause 11.11

Establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency
- Set the span to ≥ 1.5 times the DTS bandwidth
- Set the RBW= 100 kHz
- Set the VBW= 300 kHz
- Detector = Peak
- Sweep time = auto couple
- Trace mode = max hold
- Allow trace to fully stabilize
- Use the peak marker function to determine the maximum PSD level

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW = 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

EUT ID: UT36a

Measurement Results:

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant8	2412	Reference	11.55	11.55	---	PASS
			30~1000	11.55	-56.65	≤ -8.45	PASS
			1000~26500	11.55	-44.25	≤ -8.45	PASS
	Ant9	2412	Reference	11.47	11.47	---	PASS
			30~1000	11.47	-57	≤ -8.53	PASS

	Ant8	2437	1000~26500	11.47	-44.04	≤ -8.53	PASS
			Reference	11.22	11.22	---	PASS
			30~1000	11.22	-57.06	≤ -8.78	PASS
			1000~26500	11.22	-43.67	≤ -8.78	PASS
	Ant9	2437	Reference	10.73	10.73	---	PASS
			30~1000	10.73	-56.07	≤ -9.27	PASS
			1000~26500	10.73	-43.72	≤ -9.27	PASS
	Ant8	2462	Reference	10.83	10.83	---	PASS
			30~1000	10.83	-54.93	≤ -9.17	PASS
			1000~26500	10.83	-44.59	≤ -9.17	PASS
	Ant9	2462	Reference	10.64	10.64	---	PASS
			30~1000	10.64	-56.74	≤ -9.36	PASS
			1000~26500	10.64	-43.94	≤ -9.36	PASS
11G	Ant8	2412	Reference	6.65	6.65	---	PASS
			30~1000	6.65	-56.81	≤ -13.35	PASS
			1000~26500	6.65	-43.67	≤ -13.35	PASS
	Ant9	2412	Reference	7.60	7.60	---	PASS
			30~1000	7.60	-55.93	≤ -12.4	PASS
			1000~26500	7.60	-43.3	≤ -12.4	PASS
	Ant8	2437	Reference	4.62	4.62	---	PASS
			30~1000	4.62	-56.94	≤ -15.38	PASS
			1000~26500	4.62	-44.13	≤ -15.38	PASS
	Ant9	2437	Reference	5.92	5.92	---	PASS
			30~1000	5.92	-56.98	≤ -14.08	PASS
			1000~26500	5.92	-44.28	≤ -14.08	PASS
	Ant8	2462	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-56.55	≤ -15.32	PASS
			1000~26500	4.68	-43.87	≤ -15.32	PASS
	Ant9	2462	Reference	4.62	4.62	---	PASS
			30~1000	4.62	-57.03	≤ -15.38	PASS
			1000~26500	4.62	-44.32	≤ -15.38	PASS
11N20MIMO	Ant8	2412	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-56.92	≤ -14.1	PASS
			1000~26500	5.90	-44.27	≤ -14.1	PASS
	Ant9	2412	Reference	7.26	7.26	---	PASS
			30~1000	7.26	-56.65	≤ -12.74	PASS
			1000~26500	7.26	-44.31	≤ -12.74	PASS
	Ant8	2437	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-56.68	≤ -14.1	PASS
			1000~26500	5.90	-44.78	≤ -14.1	PASS
	Ant9	2437	Reference	6.99	6.99	---	PASS
			30~1000	6.99	-56.5	≤ -13.01	PASS

	Ant8	2462	1000~26500	6.99	-44.33	≤ -13.01	PASS
			Reference	4.94	4.94	---	PASS
			30~1000	4.94	-57.3	≤ -15.06	PASS
			1000~26500	4.94	-44.05	≤ -15.06	PASS
	Ant9	2462	Reference	5.55	5.55	---	PASS
			30~1000	5.55	-56.42	≤ -14.45	PASS
			1000~26500	5.55	-44.11	≤ -14.45	PASS
11N40MIMO	Ant8	2422	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-56.41	≤ -19.58	PASS
			1000~26500	0.42	-44.22	≤ -19.58	PASS
	Ant9	2422	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-56.52	≤ -17.79	PASS
			1000~26500	2.21	-44.53	≤ -17.79	PASS
	Ant8	2437	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-56.38	≤ -19.1	PASS
			1000~26500	0.90	-44.12	≤ -19.1	PASS
	Ant9	2437	Reference	2.48	2.48	---	PASS
			30~1000	2.48	-56.42	≤ -17.52	PASS
			1000~26500	2.48	-42.86	≤ -17.52	PASS
	Ant8	2452	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-56.88	≤ -19.38	PASS
			1000~26500	0.62	-43.75	≤ -19.38	PASS
	Ant9	2452	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-56.8	≤ -18.31	PASS
			1000~26500	1.69	-44.32	≤ -18.31	PASS
11AX20MIMO	Ant8	2412	Reference	6.30	6.30	---	PASS
			30~1000	6.30	-56.58	≤ -13.7	PASS
			1000~26500	6.30	-44.06	≤ -13.7	PASS
	Ant9	2412	Reference	5.06	5.06	---	PASS
			30~1000	5.06	-56	≤ -14.94	PASS
			1000~26500	5.06	-43.24	≤ -14.94	PASS
	Ant8	2437	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-56.88	≤ -15.39	PASS
			1000~26500	4.61	-44.06	≤ -15.39	PASS
	Ant9	2437	Reference	3.79	3.79	---	PASS
			30~1000	3.79	-56.66	≤ -16.21	PASS
			1000~26500	3.79	-43.78	≤ -16.21	PASS
	Ant8	2462	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-57.03	≤ -15.85	PASS
			1000~26500	4.15	-43.39	≤ -15.85	PASS
	Ant9	2462	Reference	3.72	3.72	---	PASS
			30~1000	3.72	-56.38	≤ -16.28	PASS

			1000~26500	3.72	-44.23	≤ -16.28	PASS
11AX40MIMO	Ant8	2422	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-56.56	≤ -19	PASS
			1000~26500	1.00	-43.53	≤ -19	PASS
	Ant9	2422	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-56.57	≤ -19.41	PASS
			1000~26500	0.59	-43.68	≤ -19.41	PASS
	Ant8	2437	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-56.72	≤ -18.57	PASS
			1000~26500	1.43	-41.97	≤ -18.57	PASS
	Ant9	2437	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-55.93	≤ -19.26	PASS
			1000~26500	0.74	-44.16	≤ -19.26	PASS
	Ant8	2452	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-56.72	≤ -18.68	PASS
			1000~26500	1.32	-44.21	≤ -18.68	PASS
	Ant9	2452	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-56.72	≤ -19.06	PASS
			1000~26500	0.94	-43.96	≤ -19.06	PASS

Test graphs as below:

