



FCC PART 15 TEST REPORT No.25T04Z100757-018

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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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No.25T04Z100757-018

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100757-018	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 LATORATORY

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Conducted testing Location:CTTL(Gaolizhang Road)

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

Radiated testing Location: CTTL(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology
Development Area, Beijing, P. R. China 100176

1.3. Testing Environment

Normal Temperature: 15-35°C

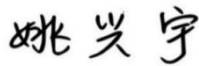
Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2025-05-13

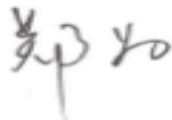
Testing End Date: 2025-06-25

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
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Company Name: TCL Communication Ltd.
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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
WLAN Frequency Band	ISM Bands: -5925MHz~6425MHz -6425MHz~6525MHz -6525MHz~6875MHz -6875MHz~7125MHz
Type of modulation	OFDM/OFDMA
Antenna	Integral Antenna
Voltage	3.85V
Equipment class	Indoor Client

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	
UT36a	356448870204758/ 356448870204766	05	9ESH	2025-06-07
UT15a	356448870204303/ 356448870204360	05	9ESH	2025-04-28
UT24a	356448870204436/ 356448870204543	05	9ESH	2025-05-13
UT28a	356448870204477/ 356448870204584	05	9ESH	2025-05-13

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

UT36a and UT15a is used for Conduction test, UT24a and UT28a are used for Radiation test.

3.3. Internal Identification of AE used during the test

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 embedded 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.

FCC Part15	FCC CFR 47, Part 15, Subpart C and E:	
	15.205 Restricted bands of operation;	2021
	15.207 Conducted limits;	
	15.209 Radiated emission limits, general requirements;	
ANSI C63.10	15.407 General technical requirements.	
	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12
KDB 987594 D02	GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE 6 GHz (U-NII) DEVICES PART 15, SUBPART E	2021-02
KDB 662911 D01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band(e.g., MIMO, Smart Antenna, etc)	2013-10

Note:UNII: KDB 789033 D02、KDB 987594 D02、KDB 662911 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. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C/E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	P
Peak Power Spectral Density	15.407	/	P
Occupied 26dB Bandwidth	15.403	/	P
99% Occupied bandwidth	/	/	P
Contention Based Protocol	/	/	P
In-Band Emissions	/	/	P
Radiated Unwanted Emission	15.209,15.407	/	P
AC Powerline Conducted Emission (150kHz- 30MHz)	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.
NM	Not measured, The test was not measured 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 requested by the client/matrixufacturer 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 4.2.

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 EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	1 year	2025-08-11
2	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2026-06-09
3	Vector Signal Generator	SMW200A	103421	Rohde & Schwarz	1 year	2025-10-28
4	LISN	ENV216	101200	Rohde & Schwarz	1 year	2026-06-05
5	Test Receiver	ESCI	100344	Rohde & Schwarz	1 year	2026-04-01
6	Attenuator	10dB/2W	/	Rosenberger	/	/
7	Shielding Room	S81	/	ETS-Lindgren	/	/

Instrument	Brand Name	Model
WLAN AP	ASUS	GT-AXE11000

Radiated emission test system

BDA SAC/FAC3

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESR26	101372	R&S	1 year	2026-01-15
2	EMI Antenna	VULB 9163	01177	R&S	1 year	2025-11-19
3	EMI Antenna	3117	00119021	Schwarzbeck	1 year	2025-09-18
4	Test Receiver	FSV40	101047	R&S	1 year	2025-07-18
5	EMI Antenna	LB-180400 -25-C-KF	J211060826	A-INFO	1 year	2025-07-29

Huayuan North Road

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

8. Measurement Uncertainty

8.1 Transmitter Output Power

Measurement Uncertainty: 0.387dB, k=1.96

8.2 Peak Power Spectral Density

Measurement Uncertainty: 0.705dB, k=1.96

8.3 99% Occupied bandwidth

Measurement Uncertainty: 60.80Hz, k=1.96

8.4 Occupied Channel Bandwidth

Measurement Uncertainty: 60.80Hz, k=1.96

8.5 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.6 Spurious Emissions

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	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.73
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.58
$18\text{GHz} \leq f \leq 40\text{GHz}$	3.37

8.7 AC Power-line Conducted Emission

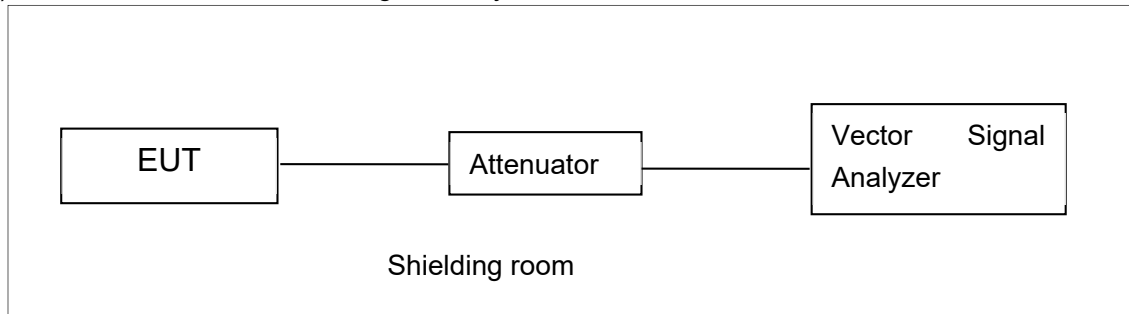
Measurement Uncertainty : 3.08dB,k=2

ANNEX A: MEASUREMENT RESULTS

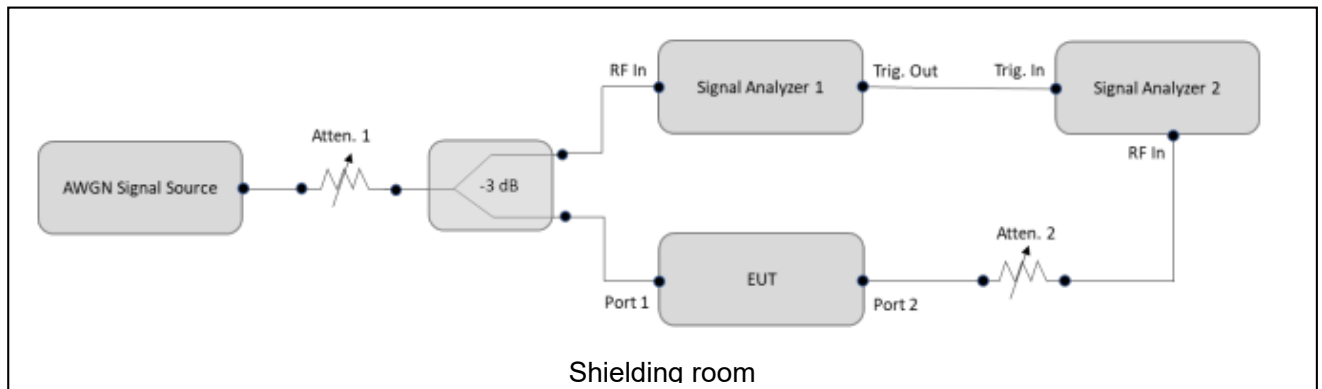
A.1. Measurement Method

A.1.1. Conducted Measurements

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode.
- 3). Set the EUT to the required channel.
- 4). Set the spectrum analyzer to start measurement.
- 5). Record the values. Vector Signal Analyzer



Test Setup for Maximum Output Power, Peak Power Spectral Density, Occupied 26dB Bandwidth, 99% Occupied bandwidth, In-Band Emissions



Test Setup for Contention Based Protocol

A.1.2. Radiated Emission Measurements

Measurement performed according to Clause 6.4, 6.5, 6.6 in ANSI C63.10-2013 and II.G.4, II.G.5, II.G.6 in KDB 789033.

The radiated emission test is performed in semi-anechoic chamber. The EUT was placed on a non-conductive table with 80cm above the ground plane for measurement below 1GHz and 1.5m above the ground plane for measurement above 1GHz. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated from 0° to 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. The maximization process was repeated with the EUT positioned in each of its three orthogonal orientation.

A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	e.i.r.p Limit (dBm)
FCC CRF Part 15.407(a)	5925MHz~6425MHz	24dBm
	6425MHz~6525MHz	24dBm
	6525MHz~6875MHz	24dBm
	6875MHz~7125MHz	24dBm

The measurement method SA-2 is made according to KDB 987594 and KDB 789033.

Antenna Gain

Mode	Ant6(dBi)	Ant9(dBi)	Power(dBi)	PSD(dBi)
CDD	-5.5	-6.1	-5.5	-2.78
BF	-5.5	-6.1	-2.78	-2.78

For BF transmissions, power and PSD directional gain is calculated as:

Directional gain = $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT}]$ dBi, as following table for PSD.
 N_{ANT} = number of transmit antennas NSS = number of spatial streams. (The worst case directional gain will occur when $NSS = 1$)

For CDD transmissions, directional gain is calculated as:

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

Directional gain = $G_{ANT} \text{ MAX (Ant.1 Gain, Ant.2 Gain, ...)} + \text{Array Gain}$, where Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

b) For PSD, the directional gain calculation is following:

Directional gain = $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT}]$ dBi. N_{ANT} = number of transmit antennas NSS = number of spatial streams. (The worst case directional gain will occur when $NSS = 1$)

As both of the CDD and BF use the same power setting, only eirp results of BF have been reported.

Measurement Results:

Full RU MIMO

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11a	5955MHz (Ch1)	8.82	8.65	11.75	-2.78	8.97
	6175MHz (Ch45)	8.30	8.00	11.16	-2.78	8.38
	6415MHz (Ch93)	8.47	8.10	11.30	-2.78	8.52
	6435MHz (Ch97)	8.65	8.01	11.35	-2.78	8.57
	6475MHz (Ch105)	8.69	8.02	11.38	-2.78	8.60
	6515MHz (Ch113)	8.49	8.08	11.30	-2.78	8.52
	6535MHz (Ch117)	8.57	8.06	11.33	-2.78	8.55
	6695MHz (Ch149)	8.37	8.00	11.20	-2.78	8.42
	6855MHz (Ch181)	8.27	8.03	11.16	-2.78	8.38
	6875MHz (Ch185)	8.62	8.02	11.34	-2.78	8.56
	6895MHz (ch189)	8.43	8.07	11.26	-2.78	8.48
	6995MHz (Ch209)	8.09	8.06	11.09	-2.78	8.31
	7115MHz (Ch233)	8.21	8.09	11.16	-2.78	8.38

The data rate 6Mbps is selected as worse condition, and the following cases are performed with this condition.

802.11ax HE20(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-20 full RU	5955MHz (Ch1)	8.31	8.40	11.37	-2.78	8.59
	6175MHz (Ch45)	7.73	7.50	10.63	-2.78	7.85
	6415MHz (Ch93)	8.16	8.30	11.24	-2.78	8.46
	6435MHz (Ch97)	8.08	7.83	10.97	-2.78	8.19
	6475MHz (Ch105)	8.36	7.89	11.14	-2.78	8.36
	6515MHz (Ch113)	8.21	7.72	10.98	-2.78	8.20
	6535MHz (Ch117)	8.05	7.69	10.88	-2.78	8.10
	6695MHz (Ch149)	8.02	7.58	10.82	-2.78	8.04
	6855MHz (Ch181)	7.82	7.56	10.70	-2.78	7.92
	6875MHz (Ch185)	8.03	7.62	10.84	-2.78	8.06
	6895MHz (ch189)	7.81	7.60	10.72	-2.78	7.94

	6995MHz (Ch209)	7.75	7.50	10.64	-2.78	7.86
	7115MHz (Ch233)	7.69	7.70	10.71	-2.78	7.93

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ax-HE40(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-40 full RU	5965MHz (Ch3)	8.22	7.92	11.08	-2.78	8.30
	6165MHz (Ch43)	7.80	7.78	10.80	-2.78	8.02
	6405MHz (Ch91)	7.74	7.62	10.69	-2.78	7.91
	6445MHz (Ch99)	7.93	7.56	10.76	-2.78	7.98
	6485MHz (Ch107)	7.51	7.53	10.53	-2.78	7.75
	6525MHz (Ch115)	7.58	7.59	10.60	-2.78	7.82
	6565MHz (Ch123)	8.01	7.67	10.85	-2.78	8.07
	6685MHz (Ch147)	7.78	7.61	10.71	-2.78	7.93
	6845MHz (Ch179)	7.82	7.53	10.69	-2.78	7.91
	6885MHz (Ch187)	7.79	7.58	10.70	-2.78	7.92
	6925MHz (ch195)	7.85	7.49	10.68	-2.78	7.90
	6965MHz (Ch203)	7.47	7.57	10.53	-2.78	7.75
	7085MHz (Ch227)	7.56	7.60	10.59	-2.78	7.81

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ax-HE80(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	Directional Gain(dBi)	mimo	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-80 full RU	5985MHz (Ch7)	8.06	7.62	10.86	-2.78	8.08
	6145MHz (Ch39)	7.63	7.72	10.69	-2.78	7.91
	6385MHz (Ch87)	7.57	7.74	10.67	-2.78	7.89
	6465MHz (Ch103)	7.78	7.55	10.68	-2.78	7.90
	6545MHz (Ch119)	7.51	7.59	10.56	-2.78	7.78

	6625MHz (Ch135)	7.66	7.63	10.66	-2.78	7.88
	6705MHz (Ch151)	7.52	7.62	10.58	-2.78	7.80
	6785MHz (Ch167)	7.56	7.60	10.59	-2.78	7.81
	6865MHz (Ch183)	7.53	7.65	10.60	-2.78	7.82
	6945MHz (Ch199)	7.55	7.56	10.57	-2.78	7.79
	7025MHz (Ch215)	7.58	7.67	10.64	-2.78	7.86

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

RU MIMO

802.11ax-20 single RU

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU26-I	5955MHz (Ch1)	0.95	0.13	3.57	-2.78	0.79
	6175MHz (Ch45)	0.34	-0.36	3.01	-2.78	0.23
	6415MHz (Ch93)	0.13	0.01	3.08	-2.78	0.30
	6435MHz (Ch97)	0.10	-0.23	2.95	-2.78	0.17
	6475MHz (Ch105)	0.03	-0.53	2.77	-2.78	-0.01
	6515MHz (Ch113)	-0.13	-0.64	2.63	-2.78	-0.15
RU26-R	6535MHz (Ch117)	0.10	-0.53	2.81	-2.78	0.03
	6695MHz (Ch149)	-0.27	-0.40	2.68	-2.78	-0.10
	6855MHz (Ch181)	0.17	-0.69	2.77	-2.78	-0.01
	6875MHz (Ch185)	0.62	-0.56	3.08	-2.78	0.30
	6895MHz (ch189)	0.53	-0.52	3.05	-2.78	0.27
	6995MHz (Ch209)	-0.39	-0.56	2.54	-2.78	-0.24
	7115MHz (Ch233)	-0.32	-0.66	2.52	-2.78	-0.26

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU52-I	5955MHz (Ch1)	3.12	2.38	5.78	-2.78	3.00
	6175MHz (Ch45)	2.90	2.20	5.57	-2.78	2.79
	6415MHz (Ch93)	2.03	1.87	4.96	-2.78	2.18
	6435MHz (Ch97)	2.46	1.81	5.16	-2.78	2.38
	6475MHz (Ch105)	2.00	1.68	4.85	-2.78	2.07
	6515MHz (Ch113)	2.43	1.67	5.08	-2.78	2.30
RU52-R	6535MHz (Ch117)	2.01	1.52	4.78	-2.78	2.00
	6695MHz (Ch149)	2.15	1.56	4.88	-2.78	2.10
	6855MHz (Ch181)	2.59	1.65	5.16	-2.78	2.38
	6875MHz (Ch185)	2.81	1.85	5.37	-2.78	2.59
	6895MHz (ch189)	2.94	1.78	5.41	-2.78	2.63
	6995MHz (Ch209)	2.04	1.58	4.83	-2.78	2.05
	7115MHz (Ch233)	2.02	1.53	4.79	-2.78	2.01
Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU106-I	5955MHz (Ch1)	5.50	4.58	8.07	-2.78	5.29
	6175MHz (Ch45)	4.63	4.15	7.41	-2.78	4.63
	6415MHz (Ch93)	4.65	4.38	7.53	-2.78	4.75
	6435MHz (Ch97)	4.47	4.43	7.46	-2.78	4.68
	6475MHz (Ch105)	4.55	4.23	7.40	-2.78	4.62
	6515MHz (Ch113)	4.45	4.18	7.33	-2.78	4.55
RU106-R	6535MHz (Ch117)	4.40	4.16	7.29	-2.78	4.51
	6695MHz (Ch149)	4.20	4.31	7.27	-2.78	4.49
	6855MHz (Ch181)	4.54	4.16	7.36	-2.78	4.58
	6875MHz (Ch185)	4.92	4.35	7.65	-2.78	4.87
	6895MHz (ch189)	4.94	4.12	7.56	-2.78	4.78
	6995MHz (Ch209)	4.33	4.13	7.24	-2.78	4.46
	7115MHz (Ch233)	4.35	4.11	7.24	-2.78	4.46



11a CH1 Ant6

Note: The following cases are performed with this condition:

- As WLAN SISO & MIMO mode have the same power setting, the whole testing has assessed only MIMO mode.
- U-NII-5/-6/-7/-8 can't transmit simultaneously.
- CBP test with minimum antenna gain (Antenna 9 path, minimum gain = -6.1dBi)

Duty Cycle

Mode	11a					
Duty Cycle	100%					
Mode	11ax-HE 20M	11ax-HE 40M	11ax-HE 80M	11ax-HE 20M RU26	11ax-HE 20M RU52	11ax-HE 20M RU106
Duty Cycle	100%	100%	100%	88%	87%	78%



Duty Cycle:RU26

Conclusion: PASS

A.3. Peak Power Spectral Density (conducted)

Measurement Limit and Method:

Standard	Frequency (MHz)	e.i.r.p Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5925MHz~6425MHz	-1
	6425MHz~6525MHz	-1
	6525MHz~6875MHz	-1
	6875MHz~7125MHz	-1

The output power measurement method Section F is made according to KDB 987594 and KDB 789033.

Measurement Results:

Full RU MIMO:

802.11a mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11a	5955MHz (Ch1)	-2.23	-2.02	0.89	-2.78	-1.89
	6175MHz (Ch45)	-3.07	-2.88	0.04	-2.78	-2.74
	6415MHz (Ch93)	-2.79	-3.02	0.11	-2.78	-2.67
	6435MHz (Ch97)	-2.32	-3.16	0.29	-2.78	-2.49
	6475MHz (Ch105)	-2.52	-3.24	0.15	-2.78	-2.63
	6515MHz (Ch113)	-2.49	-3.18	0.19	-2.78	-2.59
	6535MHz (Ch117)	-2.86	-3.60	-0.20	-2.78	-2.98
	6695MHz (Ch149)	-2.47	-3.25	0.17	-2.78	-2.61
	6855MHz (Ch181)	-2.75	-3.65	-0.17	-2.78	-2.95
	6875MHz (Ch185)	-2.42	-3.52	0.08	-2.78	-2.70
	6895MHz (ch189)	-2.65	-3.69	-0.13	-2.78	-2.91
	6995MHz (Ch209)	-3.26	-3.52	-0.38	-2.78	-3.16
	7115MHz (Ch233)	-2.93	-2.43	0.34	-2.78	-2.44

802.11ax HE20(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-20 full RU	5955MHz (Ch1)	-3.07	-2.74	0.11	-2.78	-2.67
	6175MHz (Ch45)	-3.40	-3.37	-0.37	-2.78	-3.15
	6415MHz (Ch93)	-2.87	-2.54	0.31	-2.78	-2.47
	6435MHz (Ch97)	-2.87	-3.29	-0.06	-2.78	-2.84
	6475MHz (Ch105)	-2.52	-3.47	0.04	-2.78	-2.74
	6515MHz (Ch113)	-2.81	-3.71	-0.23	-2.78	-3.01
	6535MHz (Ch117)	-3.15	-3.57	-0.34	-2.78	-3.12
	6695MHz (Ch149)	-3.33	-3.99	-0.64	-2.78	-3.42
	6855MHz (Ch181)	-3.51	-3.52	-0.50	-2.78	-3.28
	6875MHz (Ch185)	-3.10	-3.90	-0.47	-2.78	-3.25
	6895MHz (ch189)	-3.38	-3.81	-0.58	-2.78	-3.36
	6995MHz (Ch209)	-3.57	-3.97	-0.76	-2.78	-3.54
	7115MHz (Ch233)	-3.52	-3.48	-0.49	-2.78	-3.27

802.11ax HE40(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-40 full RU	5965MHz (Ch3)	-5.22	-5.39	-2.29	-2.78	-5.07
	6165MHz (Ch43)	-5.90	-5.76	-2.82	-2.78	-5.60
	6405MHz (Ch91)	-5.90	-5.63	-2.75	-2.78	-5.53
	6445MHz (Ch99)	-5.52	-5.94	-2.71	-2.78	-5.49
	6485MHz (Ch107)	-5.98	-5.60	-2.78	-2.78	-5.56
	6525MHz (Ch115)	-5.79	-5.74	-2.75	-2.78	-5.53
	6565MHz (Ch123)	-5.29	-5.98	-2.61	-2.78	-5.39
	6685MHz (Ch147)	-5.66	-6.01	-2.82	-2.78	-5.60
	6845MHz (Ch179)	-5.70	-6.15	-2.91	-2.78	-5.69
	6885MHz (Ch187)	-5.68	-5.74	-2.70	-2.78	-5.48
	6925MHz (ch195)	-5.53	-6.22	-2.85	-2.78	-5.63
	6965MHz (Ch203)	-5.95	-6.11	-3.02	-2.78	-5.80
	7085MHz (Ch227)	-5.85	-5.81	-2.82	-2.78	-5.60

802.11ax HE80(full RU) mode

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
802.11ax-80 full RU	5985MHz (Ch7)	-9.70	-10.31	-6.98	-2.78	-9.76
	6145MHz (Ch39)	-10.32	-10.20	-7.25	-2.78	-10.03
	6385MHz (Ch87)	-10.48	-10.08	-7.27	-2.78	-10.05
	6465MHz (Ch103)	-10.18	-10.62	-7.38	-2.78	-10.16
	6545MHz (Ch119)	-10.51	-10.29	-7.39	-2.78	-10.17
	6625MHz (Ch135)	-10.19	-10.49	-7.33	-2.78	-10.11
	6705MHz (Ch151)	-10.07	-10.53	-7.28	-2.78	-10.06
	6785MHz (Ch167)	-10.23	-10.59	-7.40	-2.78	-10.18
	6865MHz (Ch183)	-10.43	-10.52	-7.46	-2.78	-10.24
	6945MHz (Ch199)	-10.69	-10.58	-7.62	-2.78	-10.40
	7025MHz (Ch215)	-10.66	-10.70	-7.67	-2.78	-10.45

RU MIMO
11ax-RU

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU26-I	5955MHz (Ch1)	-2.19	-2.89	0.48	-2.78	-2.30
	6175MHz (Ch45)	-2.70	-2.91	0.21	-2.78	-2.57
	6415MHz (Ch93)	-2.95	-2.95	0.06	-2.78	-2.72
	6435MHz (Ch97)	-2.97	-2.83	0.11	-2.78	-2.67
	6475MHz (Ch105)	-2.99	-3.08	-0.02	-2.78	-2.80
	6515MHz (Ch113)	-3.04	-3.43	-0.22	-2.78	-3.00
RU26-R	6535MHz (Ch117)	-2.78	-3.37	-0.05	-2.78	-2.83
	6695MHz (Ch149)	-3.13	-3.27	-0.19	-2.78	-2.97
	6855MHz (Ch181)	-2.74	-3.52	-0.10	-2.78	-2.88
	6875MHz (Ch185)	-2.27	-3.75	0.06	-2.78	-2.72
	6895MHz (ch189)	-2.32	-3.56	0.11	-2.78	-2.67

	6995MHz (Ch209)	-3.20	-3.39	-0.28	-2.78	-3.06
	7115MHz (Ch233)	-3.24	-3.47	-0.34	-2.78	-3.12

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU52-I	5955MHz (Ch1)	-2.15	-2.92	0.49	-2.78	-2.29
	6175MHz (Ch45)	-2.42	-3.20	0.22	-2.78	-2.56
	6415MHz (Ch93)	-3.41	-3.42	-0.40	-2.78	-3.18
	6435MHz (Ch97)	-3.05	-3.60	-0.31	-2.78	-3.09
	6475MHz (Ch105)	-3.59	-3.92	-0.74	-2.78	-3.52
	6515MHz (Ch113)	-2.96	-3.74	-0.32	-2.78	-3.10
RU52-R	6535MHz (Ch117)	-3.52	-3.87	-0.68	-2.78	-3.46
	6695MHz (Ch149)	-3.30	-3.77	-0.52	-2.78	-3.30
	6855MHz (Ch181)	-2.77	-3.71	-0.20	-2.78	-2.98
	6875MHz (Ch185)	-2.63	-3.54	-0.05	-2.78	-2.83
	6895MHz (ch189)	-2.33	-3.52	0.13	-2.78	-2.65
	6995MHz (Ch209)	-3.44	-3.86	-0.63	-2.78	-3.41
	7115MHz (Ch233)	-3.44	-3.69	-0.55	-2.78	-3.33

Mode	Channel	Test Result (dBm)				
		Ant6	ant9	mimo	Directional Gain(dBi)	mimo eirp
		MCS0	MCS0	MCS0	MCS0	MCS0
RU106-I	5955MHz (Ch1)	-3.23	-3.65	-0.42	-2.78	-3.20
	6175MHz (Ch45)	-4.17	-4.42	-1.28	-2.78	-4.06
	6415MHz (Ch93)	-4.19	-4.32	-1.24	-2.78	-4.02
	6435MHz (Ch97)	-4.39	-4.18	-1.27	-2.78	-4.05
	6475MHz (Ch105)	-4.23	-4.43	-1.32	-2.78	-4.10
	6515MHz (Ch113)	-4.25	-4.77	-1.49	-2.78	-4.27
RU106-R	6535MHz (Ch117)	-4.37	-4.69	-1.52	-2.78	-4.30
	6695MHz (Ch149)	-4.72	-4.32	-1.51	-2.78	-4.29

	6855MHz (Ch181)	-4.31	-4.74	-1.51	-2.78	-4.29
	6875MHz (Ch185)	-3.66	-4.35	-0.98	-2.78	-3.76
	6895MHz (ch189)	-3.91	-4.56	-1.21	-2.78	-3.99
	6995MHz (Ch209)	-4.70	-4.50	-1.59	-2.78	-4.37
	7115MHz (Ch233)	-4.69	-4.83	-1.75	-2.78	-4.53



11a CH1 Ant9

Conclusion: PASS



No.25T04Z100757-018

A.4. Occupied 26dB Bandwidth(conducted)

Measurement Limit and Method:

Standard	Limit (kHz)
FCC 47 CFR Part 15.403 (i)	/

The measurement is made according to KDB 987594 and KDB 789033

Measurement Result:

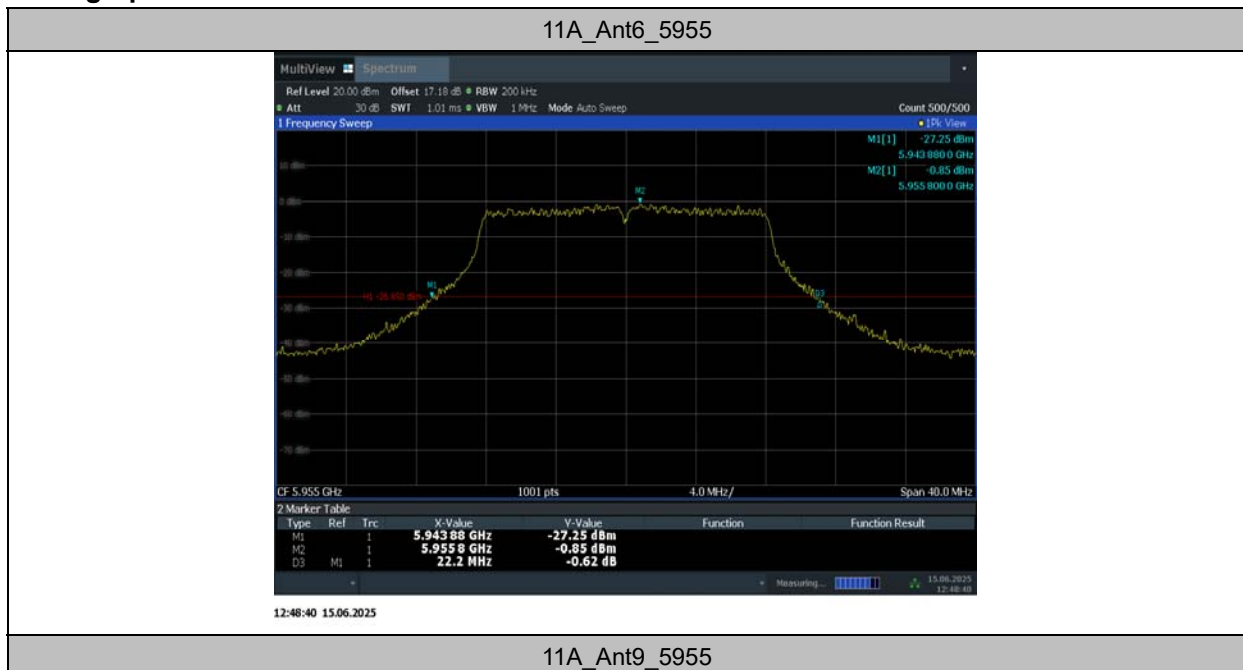
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant6	5955	22.20	5943.88	5966.08	---	---
	Ant9	5955	21.40	5944.32	5965.72	---	---
	Ant6	6175	22.04	6163.92	6185.96	---	---
	Ant9	6175	21.44	6164.12	6185.56	---	---
	Ant6	6415	21.84	6404.08	6425.92	---	---
	Ant9	6415	21.80	6403.92	6425.72	---	---
	Ant6	6435	21.16	6424.44	6445.60	---	---
	Ant9	6435	21.40	6424.36	6445.76	---	---
	Ant6	6475	21.96	6464.08	6486.04	---	---
	Ant9	6475	21.52	6464.08	6485.60	---	---
	Ant6	6515	21.32	6504.28	6525.60	---	---
	Ant9	6515	21.64	6504.12	6525.76	---	---
	Ant6	6535	21.72	6524.08	6545.80	---	---
	Ant9	6535	21.64	6524.00	6545.64	---	---
	Ant6	6695	21.08	6684.32	6705.40	---	---
	Ant9	6695	21.08	6684.44	6705.52	---	---
	Ant6	6855	21.28	6844.40	6865.68	---	---
	Ant9	6855	21.64	6844.16	6865.80	---	---
	Ant6	6875	21.80	6864.16	6885.96	---	---
	Ant9	6875	22.04	6864.08	6886.12	---	---
	Ant6	6895	21.76	6884.12	6905.88	---	---
	Ant9	6895	21.72	6884.12	6905.84	---	---
	Ant6	6995	22.12	6984.16	7006.28	---	---
	Ant9	6995	21.16	6984.48	7005.64	---	---
	Ant6	7115	21.48	7104.28	7125.76	---	---
	Ant9	7115	21.68	7104.04	7125.72	---	---
11AX20MIMO	Ant6	5955	22.92	5943.28	5966.20	---	---
	Ant9	5955	22.44	5943.92	5966.36	---	---
	Ant6	6175	22.28	6163.84	6186.12	---	---
	Ant9	6175	22.32	6163.88	6186.20	---	---
	Ant6	6415	22.44	6403.88	6426.32	---	---
	Ant9	6415	22.12	6403.84	6425.96	---	---
	Ant6	6435	22.72	6423.60	6446.32	---	---
	Ant9	6435	22.40	6423.84	6446.24	---	---

	Ant6	6475	22.76	6463.52	6486.28	---	---
	Ant9	6475	22.16	6463.92	6486.08	---	---
	Ant6	6515	22.76	6503.48	6526.24	---	---
	Ant9	6515	22.64	6503.68	6526.32	---	---
	Ant6	6535	22.72	6523.52	6546.24	---	---
	Ant9	6535	22.28	6523.68	6545.96	---	---
	Ant6	6695	22.20	6683.68	6705.88	---	---
	Ant9	6695	22.44	6683.44	6705.88	---	---
	Ant6	6855	22.48	6843.68	6866.16	---	---
	Ant9	6855	23.12	6843.28	6866.40	---	---
	Ant6	6875	23.16	6863.48	6886.64	---	---
	Ant9	6875	22.48	6863.60	6886.08	---	---
	Ant6	6895	22.72	6883.52	6906.24	---	---
	Ant9	6895	22.20	6883.84	6906.04	---	---
	Ant6	6995	22.80	6983.60	7006.40	---	---
	Ant9	6995	22.64	6983.56	7006.20	---	---
	Ant6	7115	23.52	7102.92	7126.44	---	---
	Ant9	7115	22.64	7103.76	7126.40	---	---
11AX40MIMO	Ant6	5965	39.68	5945.16	5984.84	---	---
	Ant9	5965	39.68	5945.08	5984.76	---	---
	Ant6	6165	39.76	6145.08	6184.84	---	---
	Ant9	6165	39.84	6145.08	6184.92	---	---
	Ant6	6405	39.92	6385.00	6424.92	---	---
	Ant9	6405	39.60	6385.16	6424.76	---	---
	Ant6	6445	39.84	6425.00	6464.84	---	---
	Ant9	6445	39.76	6425.08	6464.84	---	---
	Ant6	6485	39.76	6465.08	6504.84	---	---
	Ant9	6485	39.60	6465.16	6504.76	---	---
	Ant6	6525	39.76	6505.00	6544.76	---	---
	Ant9	6525	39.76	6505.08	6544.84	---	---
	Ant6	6565	39.84	6545.08	6584.92	---	---
	Ant9	6565	39.76	6545.08	6584.84	---	---
	Ant6	6685	39.68	6665.08	6704.76	---	---
	Ant9	6685	39.84	6665.00	6704.84	---	---
	Ant6	6845	39.68	6825.08	6864.76	---	---
	Ant9	6845	40.08	6824.92	6865.00	---	---
	Ant6	6885	39.76	6865.08	6904.84	---	---
	Ant9	6885	39.68	6865.08	6904.76	---	---
	Ant6	6925	39.76	6905.08	6944.84	---	---
	Ant9	6925	39.92	6905.00	6944.92	---	---
	Ant6	6965	39.76	6945.08	6984.84	---	---
	Ant9	6965	39.76	6945.08	6984.84	---	---
	Ant6	7085	39.76	7065.08	7104.84	---	---

	Ant9	7085	39.92	7065.00	7104.92	---	---
11AX80MIMO	Ant6	5985	81.12	5944.36	6025.48	---	---
	Ant9	5985	80.96	5944.52	6025.48	---	---
	Ant6	6145	81.12	6104.36	6185.48	---	---
	Ant9	6145	80.80	6104.52	6185.32	---	---
	Ant6	6385	80.96	6344.36	6425.32	---	---
	Ant9	6385	80.80	6344.52	6425.32	---	---
	Ant6	6465	81.12	6424.36	6505.48	---	---
	Ant9	6465	80.80	6424.52	6505.32	---	---
	Ant6	6545	80.96	6504.52	6585.48	---	---
	Ant9	6545	80.80	6504.52	6585.32	---	---
	Ant6	6625	80.96	6584.36	6665.32	---	---
	Ant9	6625	80.80	6584.52	6665.32	---	---
	Ant6	6705	81.12	6664.36	6745.48	---	---
	Ant9	6705	80.80	6664.52	6745.32	---	---
	Ant6	6785	81.28	6744.20	6825.48	---	---
	Ant9	6785	80.96	6744.36	6825.32	---	---
	Ant6	6865	81.12	6824.36	6905.48	---	---
	Ant9	6865	80.96	6824.36	6905.32	---	---
	Ant6	6945	80.96	6904.52	6985.48	---	---
	Ant9	6945	80.96	6904.36	6985.32	---	---
	Ant6	7025	80.96	6984.36	7065.32	---	---
	Ant9	7025	80.96	6984.36	7065.32	---	---

Conclusion: PASS

Test graphs as below:

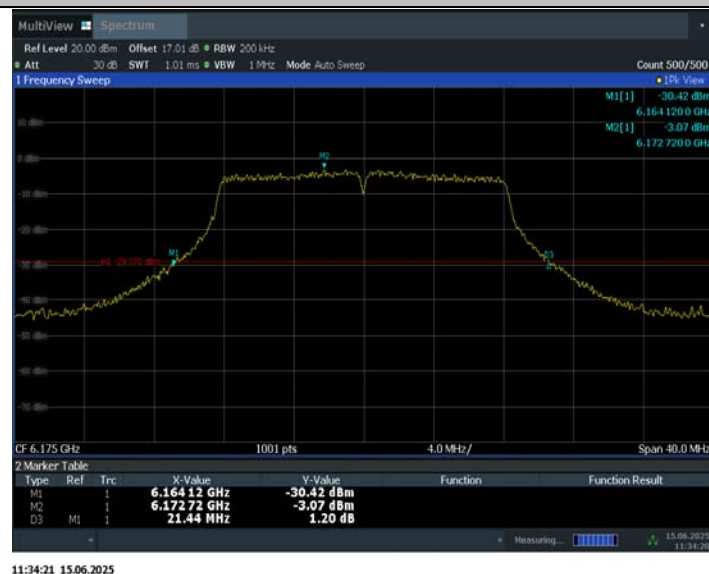




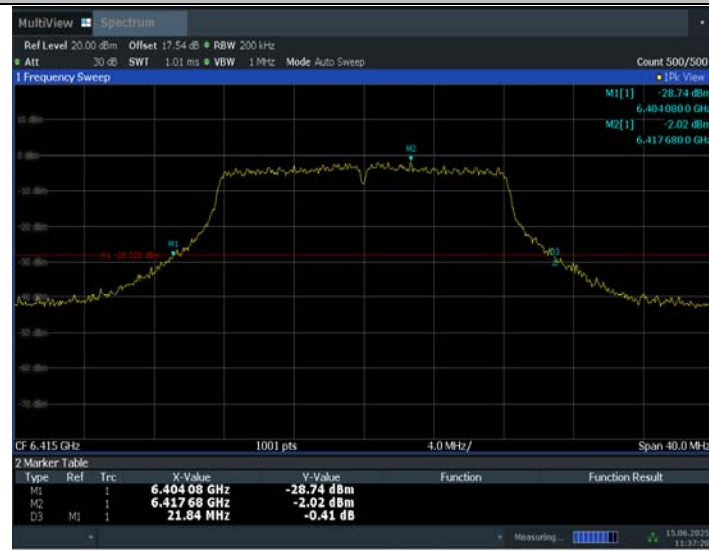
11A_Ant6_6175



11A_Ant9_6175

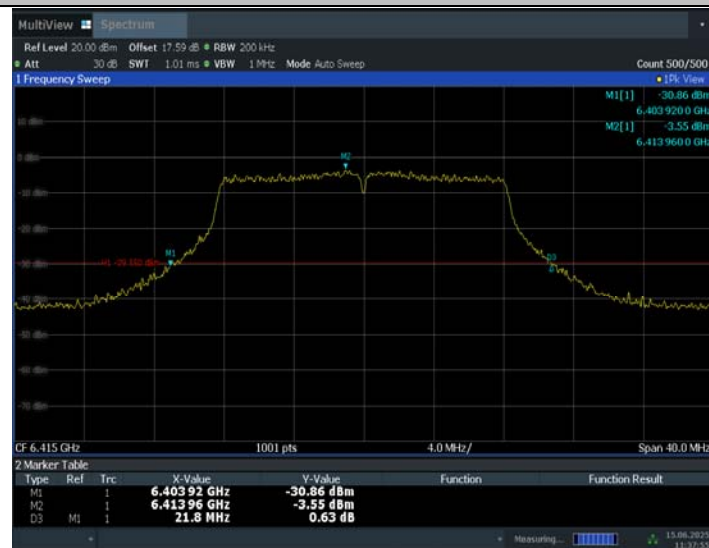


11A_Ant6_6415



11:37:20 15.06.2025

11A_Ant9_6415

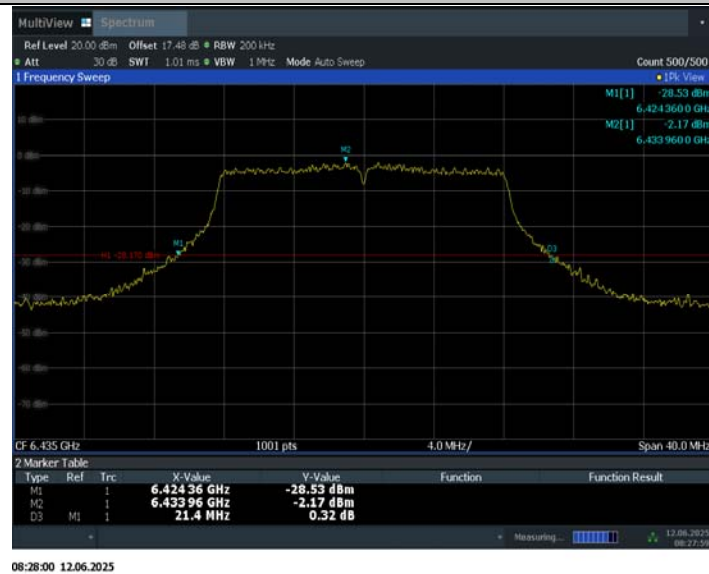


11:37:56 15.06.2025

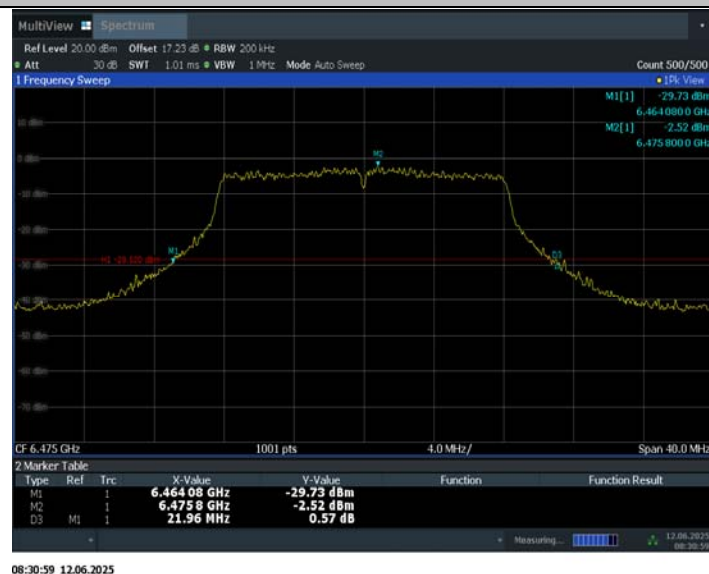
11A_Ant6_6435



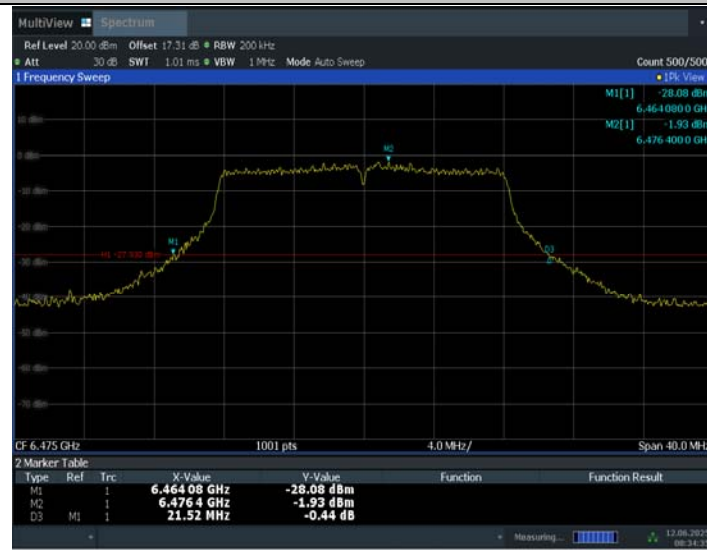
11A_Ant9_6435



11A_Ant6_6475



11A_Ant9_6475



08:34:36 12.06.2025

11A_Ant6_6515



08:37:23 12.06.2025

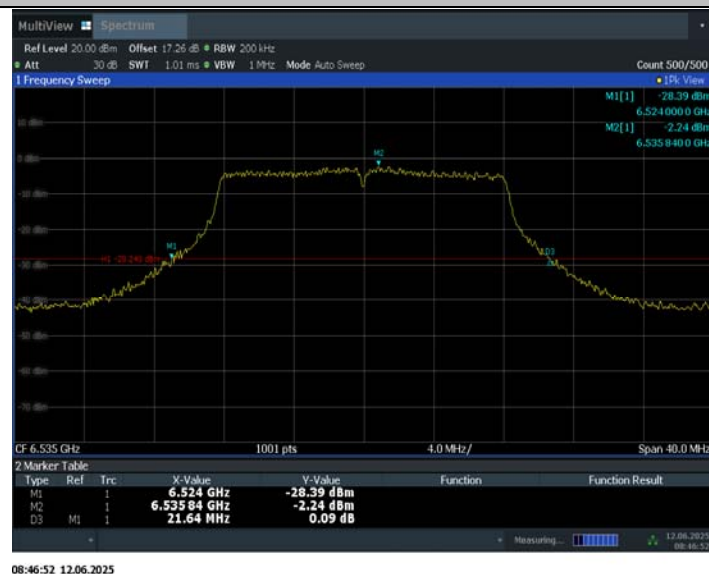
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11A_Ant6_6535



11A_Ant9_6535



11A_Ant6_6695



08:49:40 12.06.2025

11A_Ant9_6695



08:52:22 12.06.2025

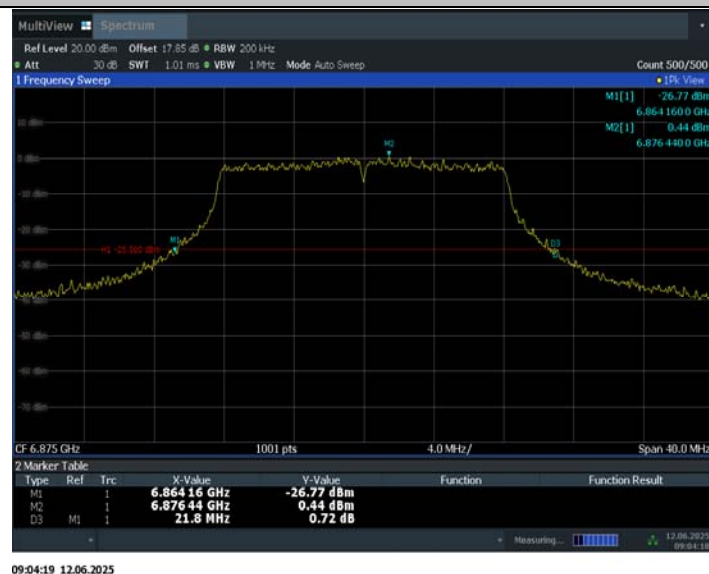
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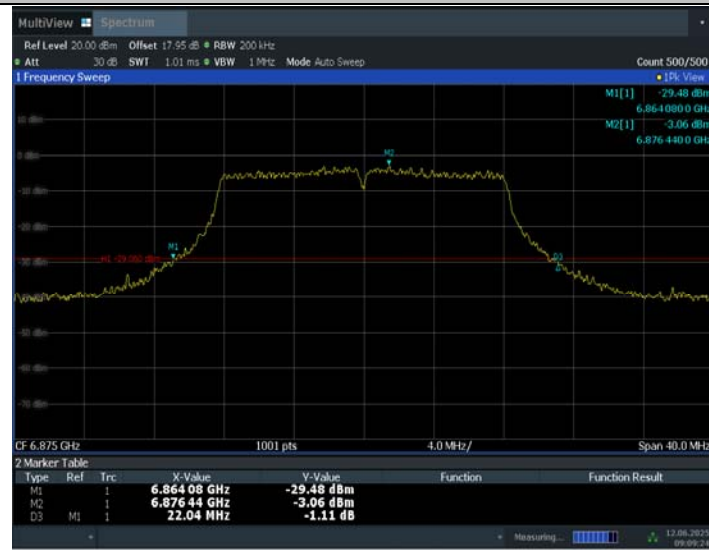
11A_Ant9_6855



11A_Ant6_6875



11A_Ant9_6875



09:09:25 12.06.2025

11A_Ant6_6895



09:14:00 12.06.2025

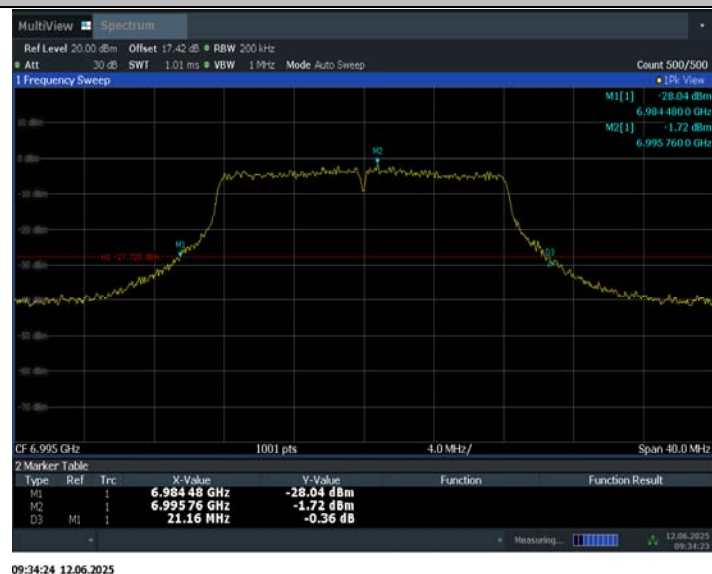
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11A_Ant6_6995



11A_Ant9_6995



11A_Ant6_7115



09:39:15 12.06.2025

11A_Ant9_7115

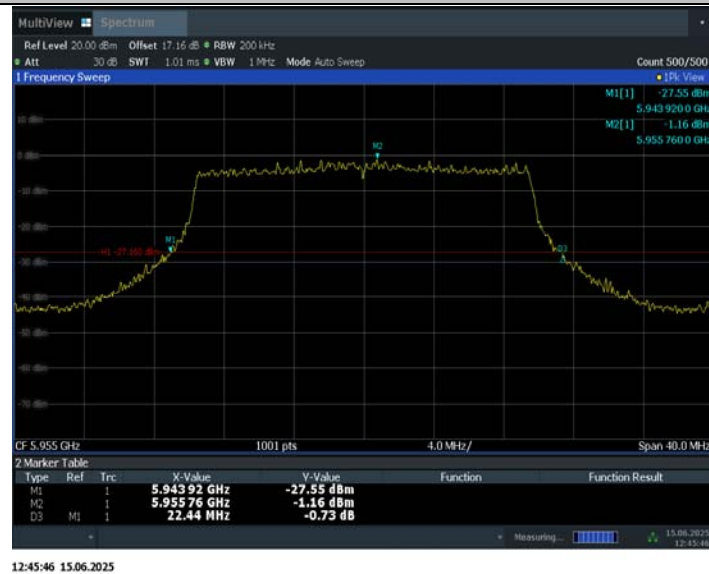


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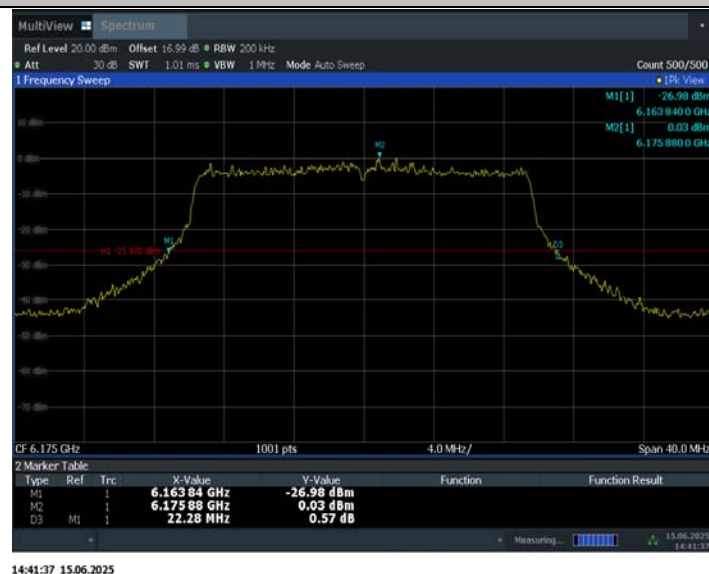
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11AX20MIMO_Ant9_5955



11AX20MIMO_Ant6_6175



11AX20MIMO_Ant9_6175



14:44:31 15.06.2025

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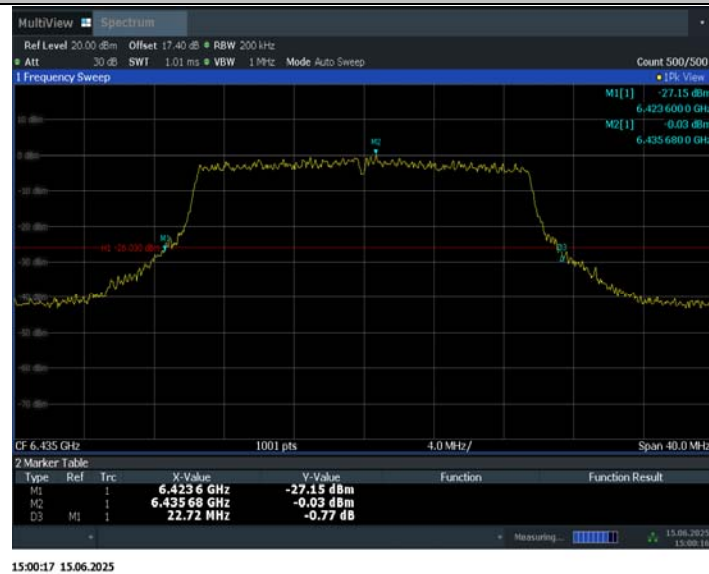


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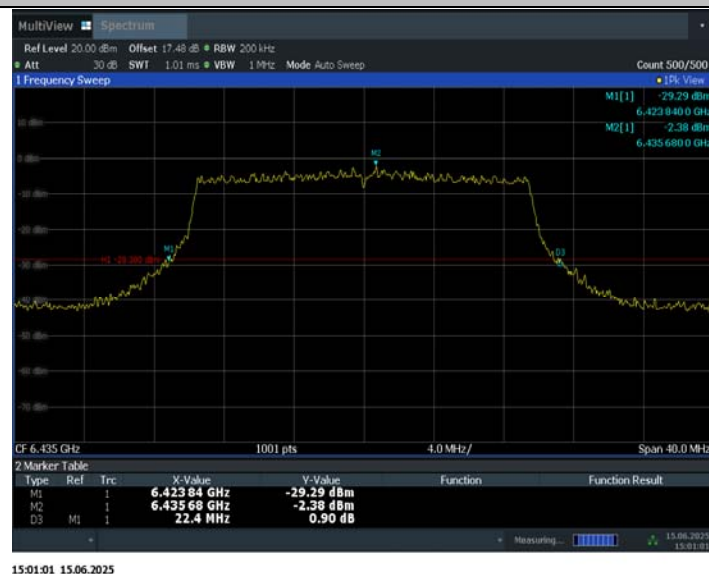
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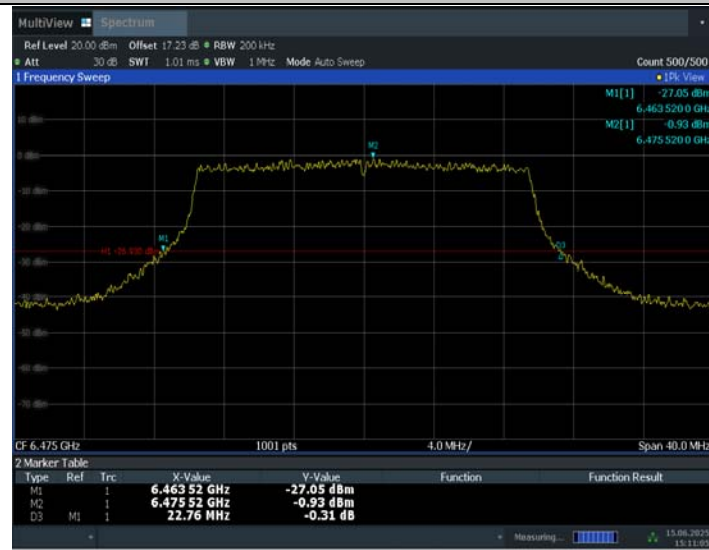
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11AX20MIMO_Ant9_6435

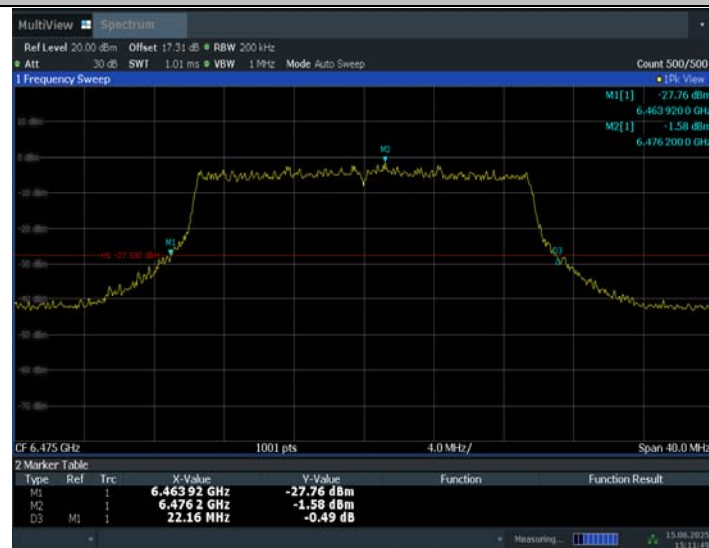


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15:11:05 15.06.2025

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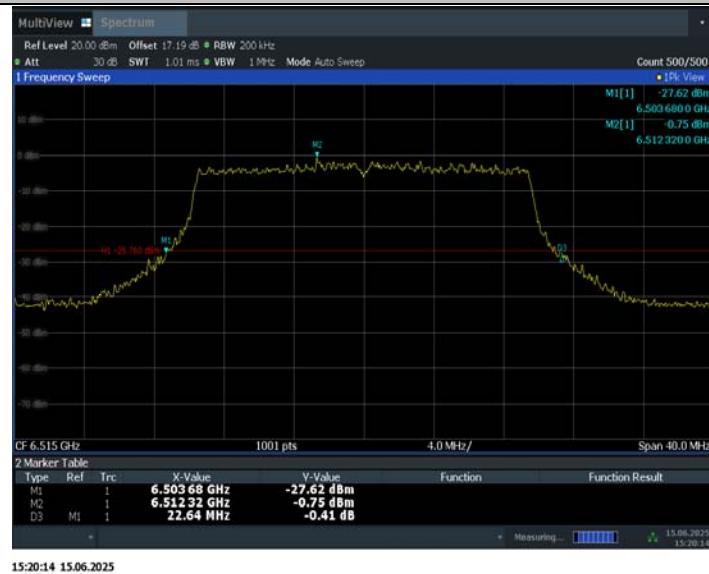
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15:20:14 15.06.2025

11AX20MIMO_Ant6_6535



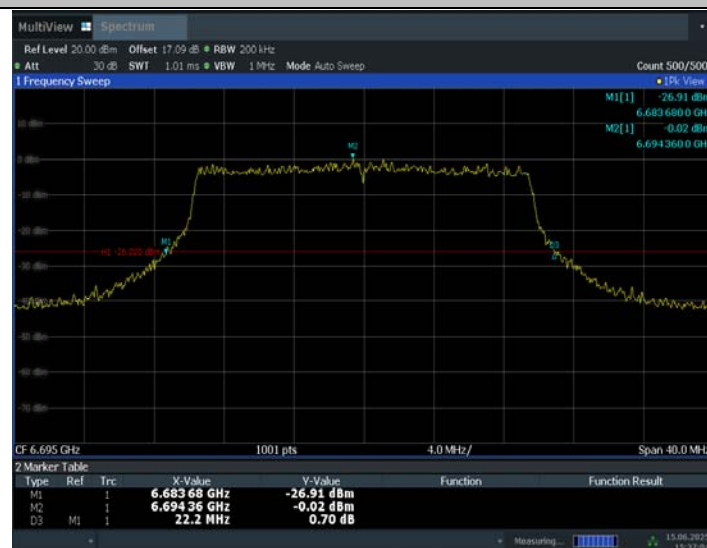
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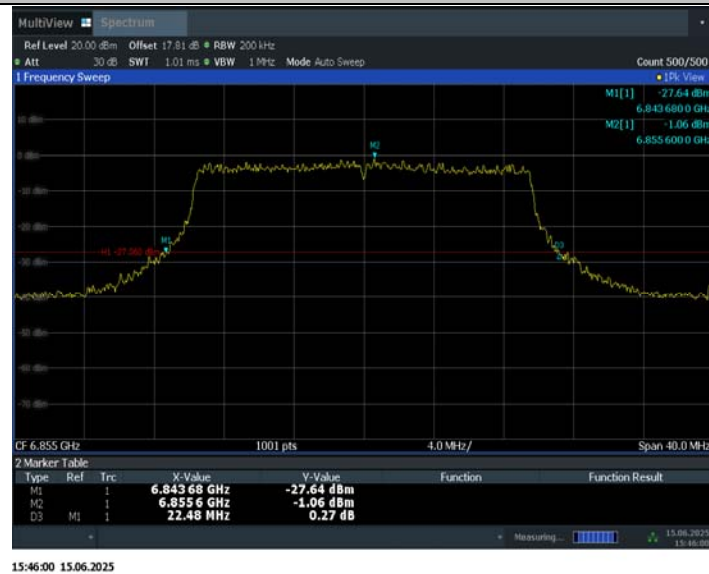
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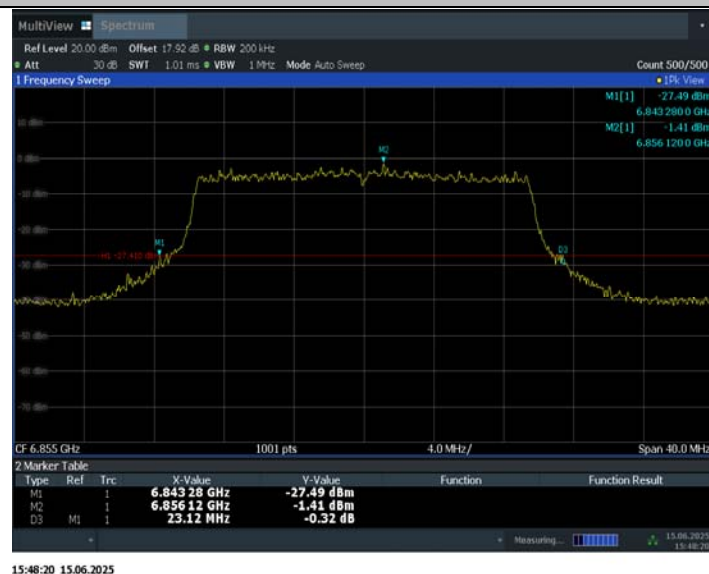
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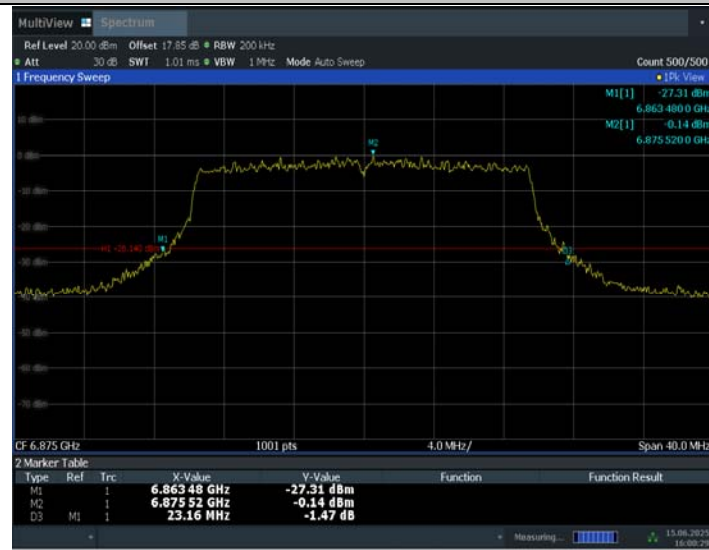
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11AX20MIMO_Ant9_6855



15:48:20 15.06.2025

11AX20MIMO_Ant6_6875



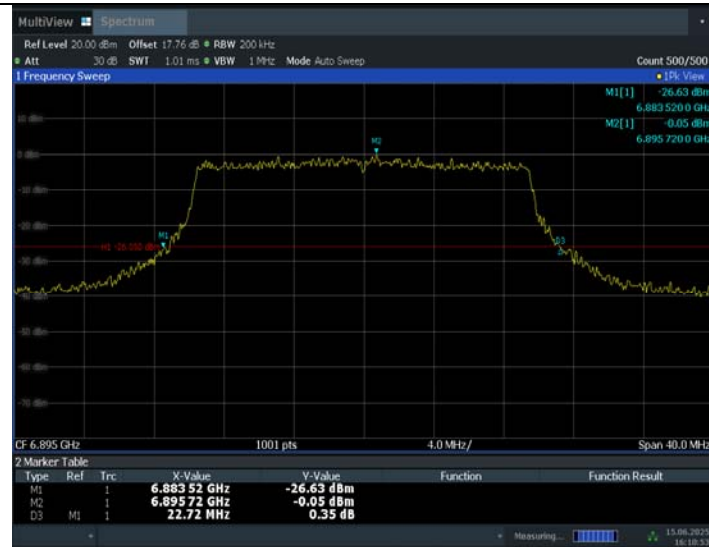
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11AX20MIMO_Ant9_6875



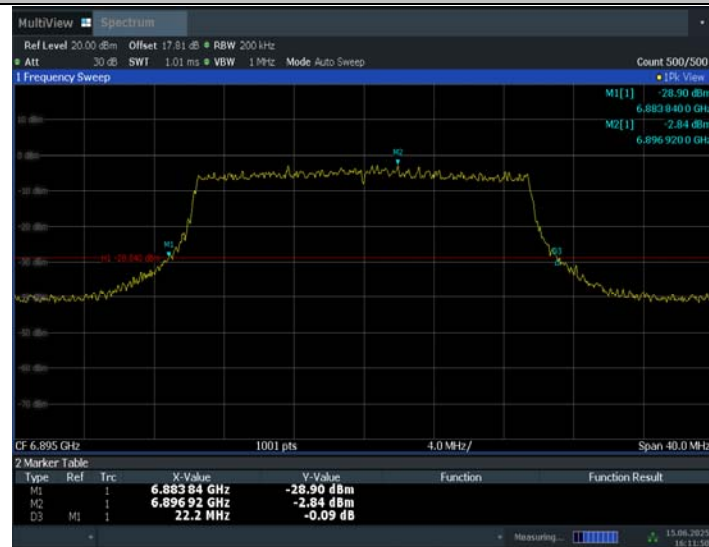
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16:10:53 15.06.2025

11AX20MIMO_Ant9_6895



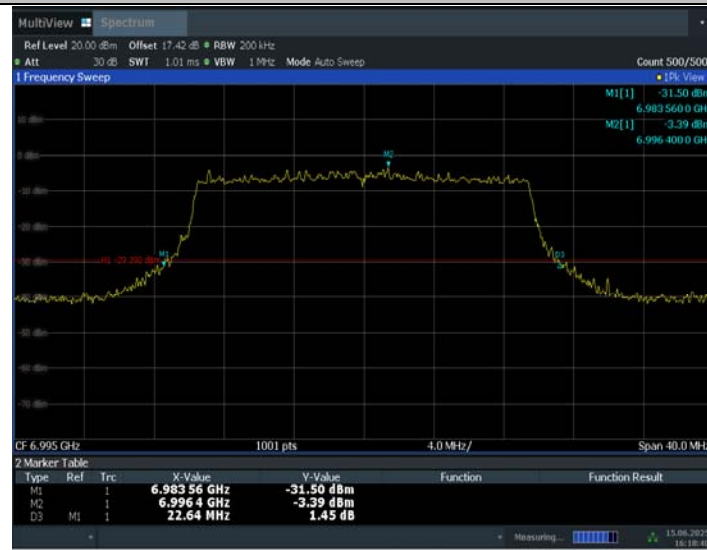
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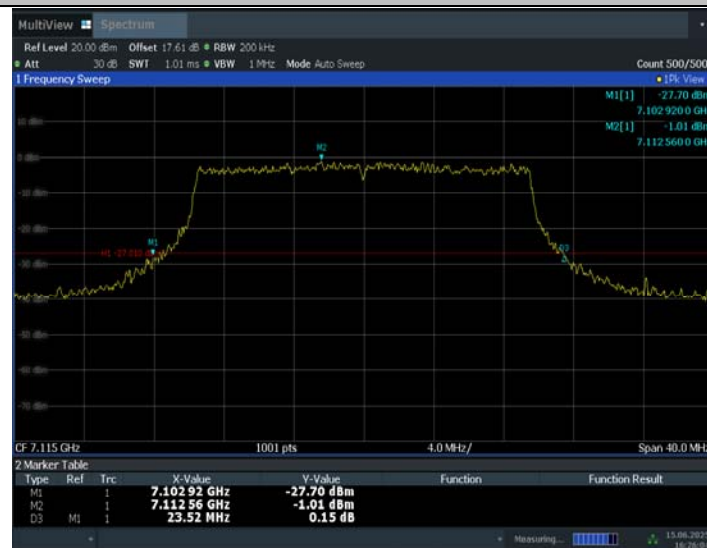
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16:18:41 15.06.2025

11AX20MIMO_Ant6_7115



16:26:05 15.06.2025

11AX20MIMO_Ant9_7115



11AX40MIMO_Ant6_5965



11AX40MIMO_Ant9_5965



11AX40MIMO_Ant6_6165



16:38:38 15.06.2025

11AX40MIMO_Ant9_6165



16:39:19 15.06.2025

11AX40MIMO_Ant6_6405



16:41:01 15.06.2025

11AX40MIMO_Ant9_6405



16:41:42 15.06.2025

11AX40MIMO_Ant6_6445



16:42:42 15.06.2025

11AX40MIMO_Ant9_6445



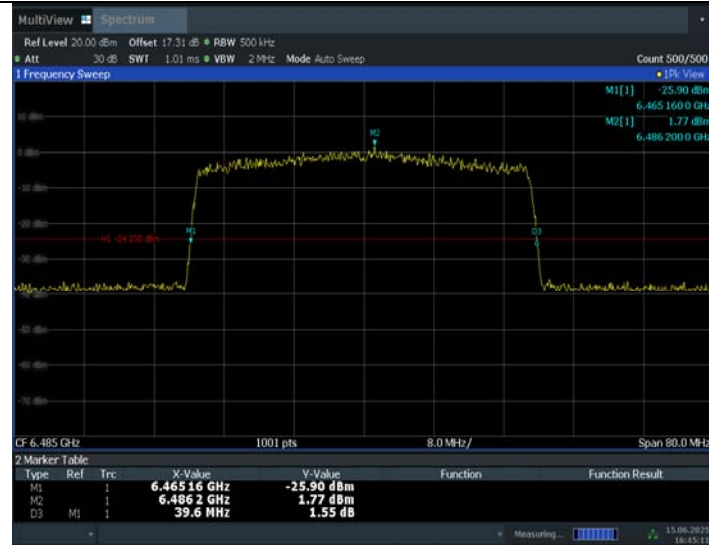
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16:45:12 15.06.2025

11AX40MIMO_Ant6_6525



16:50:58 15.06.2025

11AX40MIMO_Ant9_6525



16:53:33 15.06.2025

11AX40MIMO_Ant6_6565



16:49:15 15.06.2025

11AX40MIMO_Ant9_6565



16:49:59 15.06.2025

11AX40MIMO_Ant6_6685



11AX40MIMO_Ant9_6685



11AX40MIMO_Ant6_6845



11AX40MIMO_Ant9_6845



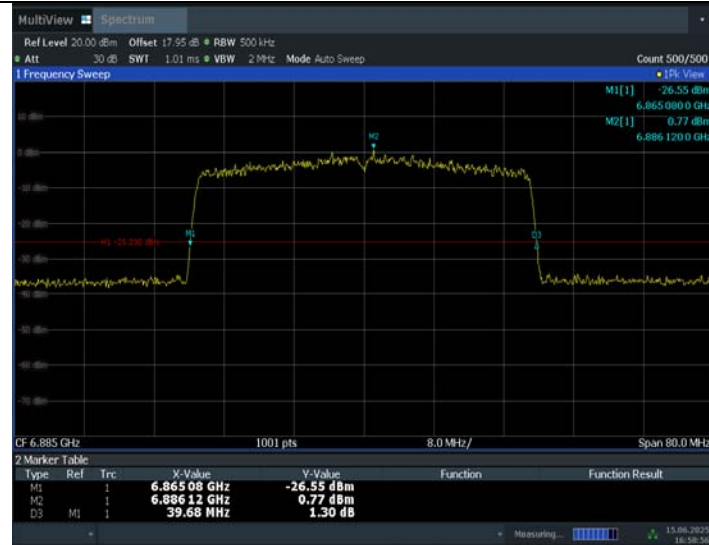
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11AX40MIMO_Ant6_6925



11AX40MIMO_Ant9_6925



11AX40MIMO_Ant6_6965



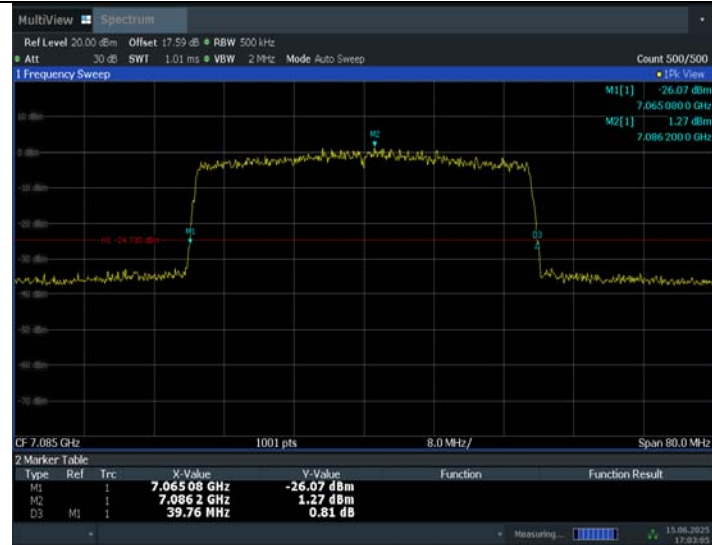
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11AX40MIMO_Ant9_7085



17:03:49 15.06.2025

11AX80MIMO_Ant6_5985



17:04:48 15.06.2025

11AX80MIMO_Ant9_5985



17:05:32 15.06.2025

11AX80MIMO_Ant6_6145



17:06:22 15.06.2025

11AX80MIMO_Ant9_6145



17:07:05 15.06.2025

11AX80MIMO_Ant6_6385



17:08:02 15.06.2025

11AX80MIMO_Ant9_6385



17:08:46 15.06.2025

11AX80MIMO_Ant6_6465



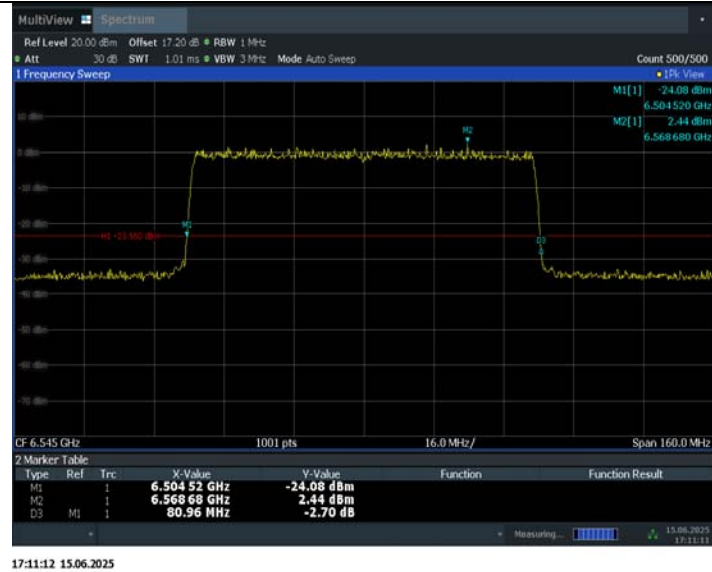
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11AX80MIMO_Ant9_6465



17:10:17 15.06.2025

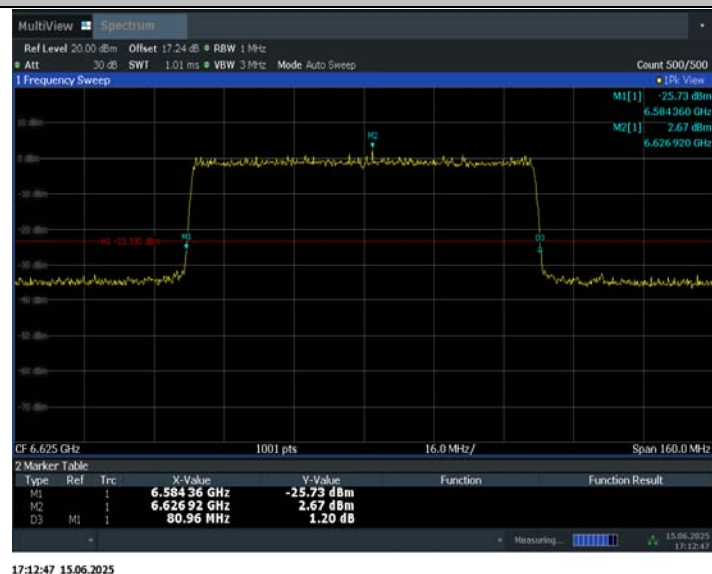
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11AX80MIMO_Ant9_6545



11AX80MIMO_Ant6_6625



11AX80MIMO_Ant9_6625



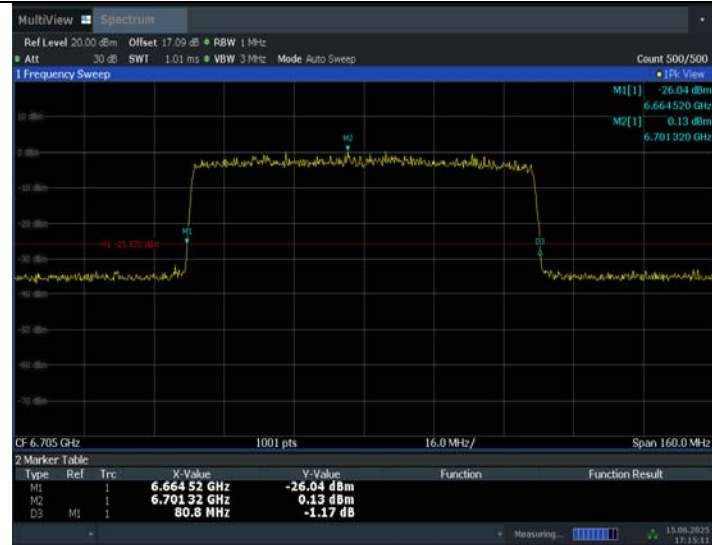
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11AX80MIMO_Ant6_6705



17:14:29 15.06.2025

11AX80MIMO_Ant9_6705



17:15:12 15.06.2025

11AX80MIMO_Ant6_6785



17:16:08 15.06.2025

11AX80MIMO_Ant9_6785



17:16:50 15.06.2025

11AX80MIMO_Ant6_6865



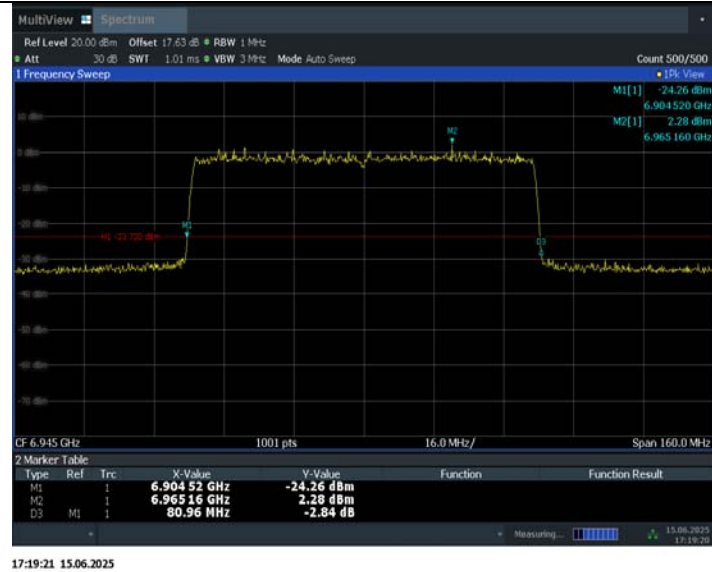
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11AX80MIMO_Ant9_6865



17:18:30 15.06.2025

11AX80MIMO_Ant6_6945



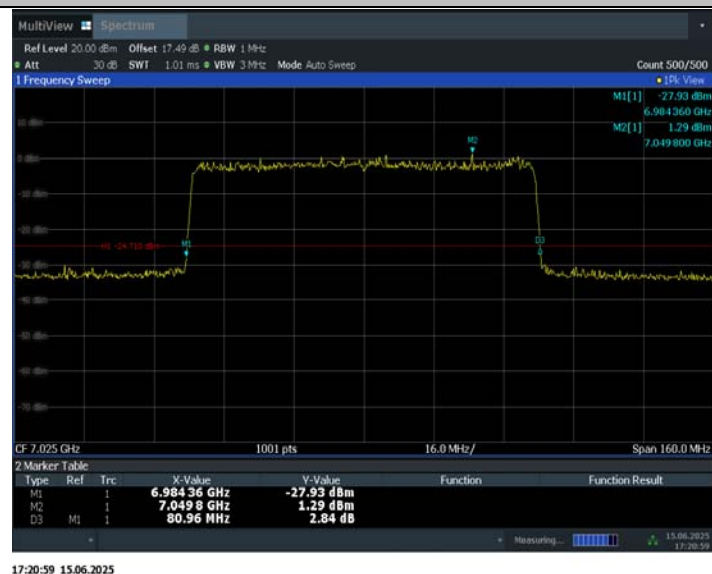
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11AX80MIMO_Ant9_6945

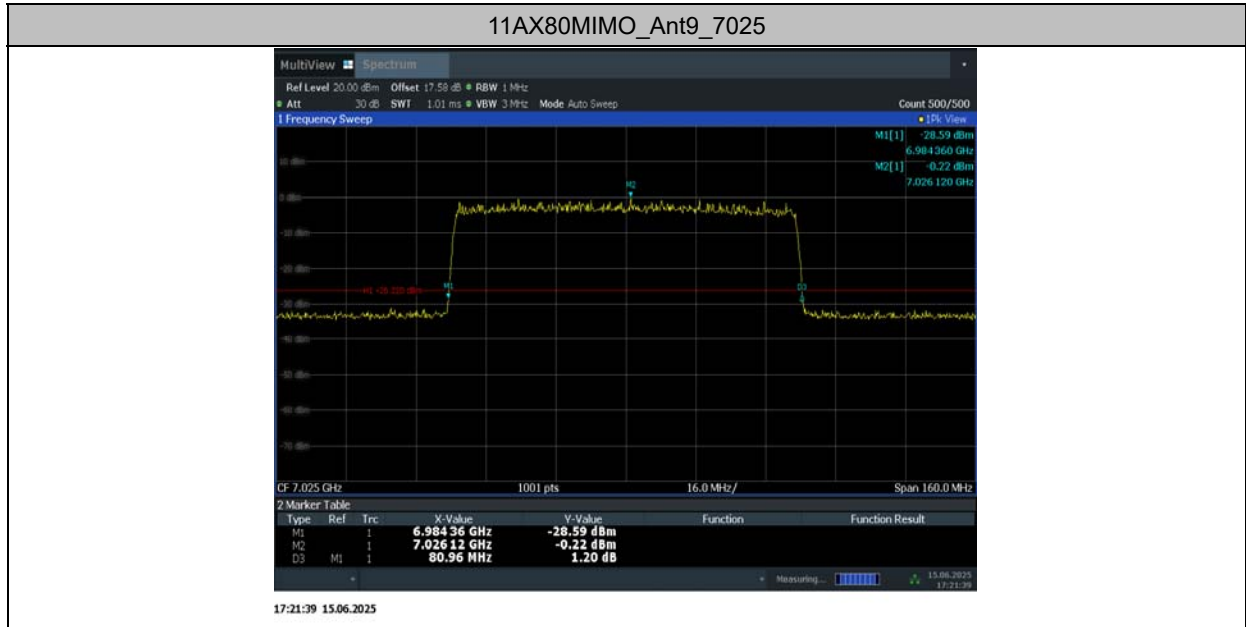


17:20:04 15.06.2025

11AX80MIMO_Ant6_7025



17:20:59 15.06.2025



A.5. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Result:

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant6	5955	17.636	5946.1629	5963.7986	≤320	PASS
	Ant9	5955	17.385	5946.3113	5963.6959	≤320	PASS
	Ant6	6175	17.634	6166.1314	6183.7650	≤320	PASS
	Ant9	6175	17.432	6166.2103	6183.6427	≤320	PASS
	Ant6	6415	17.610	6406.1829	6423.7934	≤320	PASS
	Ant9	6415	17.336	6406.2663	6423.6026	≤320	PASS
	Ant6	6435	17.597	6426.1283	6443.7257	≤320	PASS
	Ant9	6435	17.382	6426.2795	6443.6616	≤320	PASS
	Ant6	6475	17.550	6466.1654	6483.7154	≤320	PASS
	Ant9	6475	17.451	6466.2405	6483.6915	≤320	PASS
	Ant6	6515	17.567	6506.1734	6523.7400	≤320	PASS
	Ant9	6515	17.391	6506.2496	6523.6408	≤320	PASS
	Ant6	6535	17.551	6526.1370	6543.6881	≤320	PASS
	Ant9	6535	17.432	6526.2158	6543.6477	≤320	PASS
	Ant6	6695	17.591	6686.0936	6703.6841	≤320	PASS
	Ant9	6695	17.487	6686.2285	6703.7157	≤320	PASS

	Ant6	6855	17.602	6846.1510	6863.7525	≤320	PASS
	Ant9	6855	17.413	6846.2485	6863.6610	≤320	PASS
	Ant6	6875	17.604	6866.1532	6883.7570	≤320	PASS
	Ant9	6875	17.481	6866.2373	6883.7178	≤320	PASS
	Ant6	6895	17.593	6886.0718	6903.6650	≤320	PASS
	Ant9	6895	17.402	6886.2571	6903.6588	≤320	PASS
	Ant6	6995	17.605	6986.1447	7003.7499	≤320	PASS
	Ant9	6995	17.464	6986.2185	7003.6830	≤320	PASS
	Ant6	7115	17.590	7106.1646	7123.7545	≤320	PASS
	Ant9	7115	17.423	7106.2178	7123.6411	≤320	PASS
11AX20MIMO	Ant6	5955	19.412	5945.2922	5964.7038	≤320	PASS
	Ant9	5955	19.340	5945.3309	5964.6713	≤320	PASS
	Ant6	6175	19.382	6165.2524	6184.6349	≤320	PASS
	Ant9	6175	19.332	6165.2841	6184.6163	≤320	PASS
	Ant6	6415	19.420	6405.2588	6424.6787	≤320	PASS
	Ant9	6415	19.328	6405.3332	6424.6615	≤320	PASS
	Ant6	6435	19.413	6425.1961	6444.6086	≤320	PASS
	Ant9	6435	19.324	6425.2929	6444.6166	≤320	PASS
	Ant6	6475	19.406	6465.2449	6484.6513	≤320	PASS
	Ant9	6475	19.341	6465.2809	6484.6217	≤320	PASS
	Ant6	6515	19.387	6505.2795	6524.6661	≤320	PASS
	Ant9	6515	19.356	6505.2859	6524.6423	≤320	PASS
	Ant6	6535	19.386	6525.2206	6544.6065	≤320	PASS
	Ant9	6535	19.364	6525.2857	6544.6501	≤320	PASS
	Ant6	6695	19.451	6685.1956	6704.6469	≤320	PASS
	Ant9	6695	19.329	6685.2762	6704.6055	≤320	PASS
	Ant6	6855	19.434	6845.2148	6864.6485	≤320	PASS
	Ant9	6855	19.347	6845.2685	6864.6158	≤320	PASS
	Ant6	6875	19.428	6865.2665	6884.6941	≤320	PASS
	Ant9	6875	19.376	6865.2713	6884.6469	≤320	PASS
	Ant6	6895	19.416	6885.2419	6904.6584	≤320	PASS
	Ant9	6895	19.315	6885.2630	6904.5785	≤320	PASS
	Ant6	6995	19.507	6985.2449	7004.7517	≤320	PASS
	Ant9	6995	19.348	6985.2840	7004.6317	≤320	PASS
	Ant6	7115	19.482	7105.2513	7124.7336	≤320	PASS
	Ant9	7115	19.325	7105.2781	7124.6027	≤320	PASS
11AX40MIMO	Ant6	5965	37.805	5946.0581	5983.8626	≤320	PASS
	Ant9	5965	37.573	5946.1481	5983.7213	≤320	PASS
	Ant6	6165	37.683	6146.1201	6183.8032	≤320	PASS
	Ant9	6165	37.546	6146.1903	6183.7359	≤320	PASS
	Ant6	6405	37.721	6386.0973	6423.8180	≤320	PASS
	Ant9	6405	37.650	6386.0729	6423.7228	≤320	PASS
	Ant6	6445	37.742	6426.0464	6463.7882	≤320	PASS

	Ant9	6445	37.581	6426.1600	6463.7412	≤320	PASS
	Ant6	6485	37.662	6466.1121	6503.7739	≤320	PASS
	Ant9	6485	37.509	6466.1803	6503.6898	≤320	PASS
	Ant6	6525	37.757	6506.0699	6543.8272	≤320	PASS
	Ant9	6525	37.713	6506.0573	6543.7703	≤320	PASS
	Ant6	6565	37.681	6546.1019	6583.7826	≤320	PASS
	Ant9	6565	37.539	6546.1530	6583.6922	≤320	PASS
	Ant6	6685	37.704	6666.0499	6703.7534	≤320	PASS
	Ant9	6685	37.664	6666.0789	6703.7428	≤320	PASS
	Ant6	6845	37.771	6826.0711	6863.8418	≤320	PASS
	Ant9	6845	37.654	6826.0881	6863.7423	≤320	PASS
	Ant6	6885	37.674	6866.1096	6903.7835	≤320	PASS
	Ant9	6885	37.591	6866.1332	6903.7247	≤320	PASS
	Ant6	6925	37.628	6906.1148	6943.7430	≤320	PASS
	Ant9	6925	37.656	6906.1109	6943.7673	≤320	PASS
	Ant6	6965	37.689	6946.0979	6983.7865	≤320	PASS
	Ant9	6965	37.672	6946.0554	6983.7277	≤320	PASS
	Ant6	7085	37.770	7066.0163	7103.7867	≤320	PASS
	Ant9	7085	37.726	7066.0764	7103.8029	≤320	PASS
11AX80MIMO	Ant6	5985	77.972	5945.9234	6023.8951	≤320	PASS
	Ant9	5985	77.787	5946.0166	6023.8039	≤320	PASS
	Ant6	6145	77.967	6105.9392	6183.9065	≤320	PASS
	Ant9	6145	77.443	6106.1725	6183.6152	≤320	PASS
	Ant6	6385	77.882	6345.9265	6423.8088	≤320	PASS
	Ant9	6385	77.539	6346.2064	6423.7451	≤320	PASS
	Ant6	6465	77.809	6425.9759	6503.7848	≤320	PASS
	Ant9	6465	77.456	6426.1650	6503.6210	≤320	PASS
	Ant6	6545	77.813	6505.9563	6583.7689	≤320	PASS
	Ant9	6545	77.462	6506.1046	6583.5666	≤320	PASS
	Ant6	6625	77.808	6586.0099	6663.8181	≤320	PASS
	Ant9	6625	77.611	6586.1304	6663.7415	≤320	PASS
	Ant6	6705	77.879	6665.8723	6743.7510	≤320	PASS
	Ant9	6705	77.568	6666.0063	6743.5740	≤320	PASS
	Ant6	6785	77.961	6745.8644	6823.8253	≤320	PASS
	Ant9	6785	77.593	6745.9967	6823.5897	≤320	PASS
	Ant6	6865	77.809	6825.9913	6903.8005	≤320	PASS
	Ant9	6865	77.803	6825.9032	6903.7066	≤320	PASS
	Ant6	6945	77.790	6906.0494	6983.8396	≤320	PASS
	Ant9	6945	77.686	6905.9775	6983.6639	≤320	PASS
	Ant6	7025	77.981	6986.0250	7064.0063	≤320	PASS
	Ant9	7025	77.747	6985.9928	7063.7394	≤320	PASS

Conclusion: PASS

Test graphs as below:

11A_Ant6_5955



11A_Ant9_5955



11A_Ant6_6175



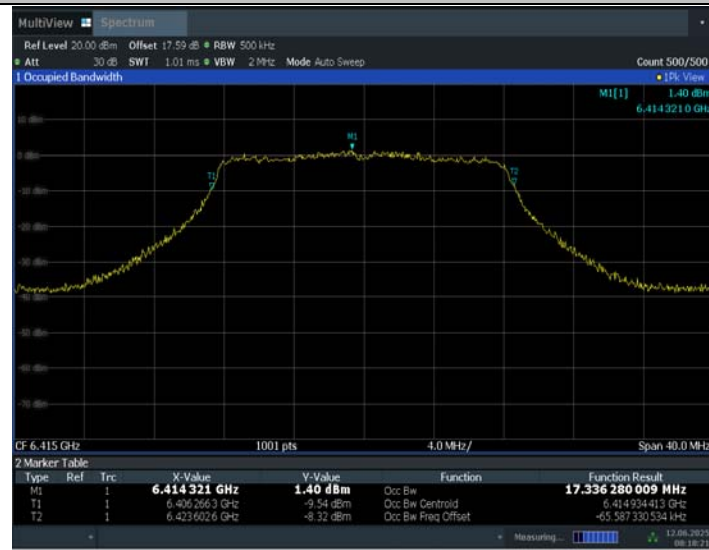
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11A_Ant6_6415



11A_Ant9_6415



08:18:22 12.06.2025

11A_Ant6_6435



08:25:08 12.06.2025

11A_Ant9_6435



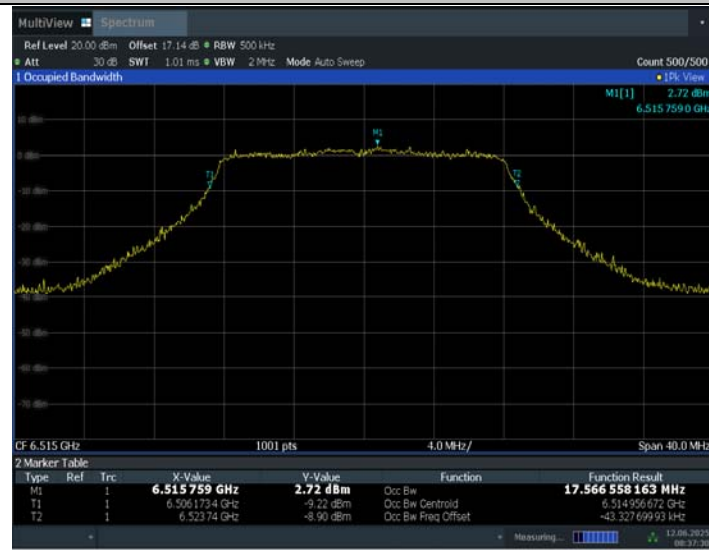
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11A_Ant9_6475

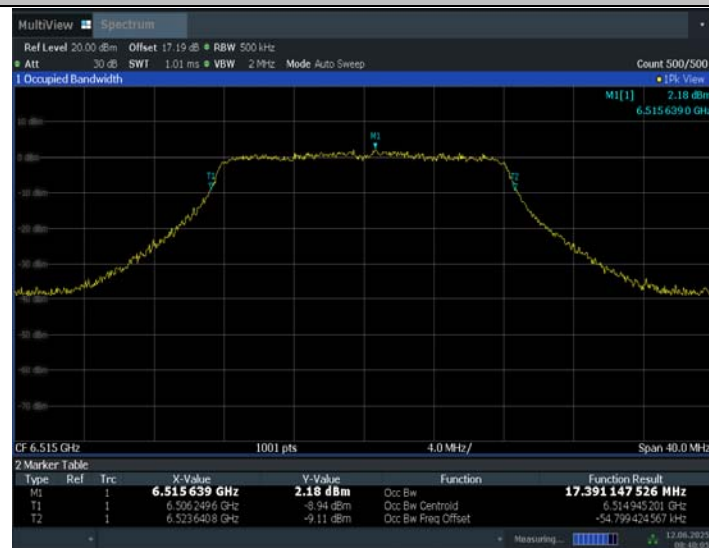


11A_Ant6_6515



08:37:31 12.06.2025

11A_Ant9_6515



08:40:06 12.06.2025

11A_Ant6_6535



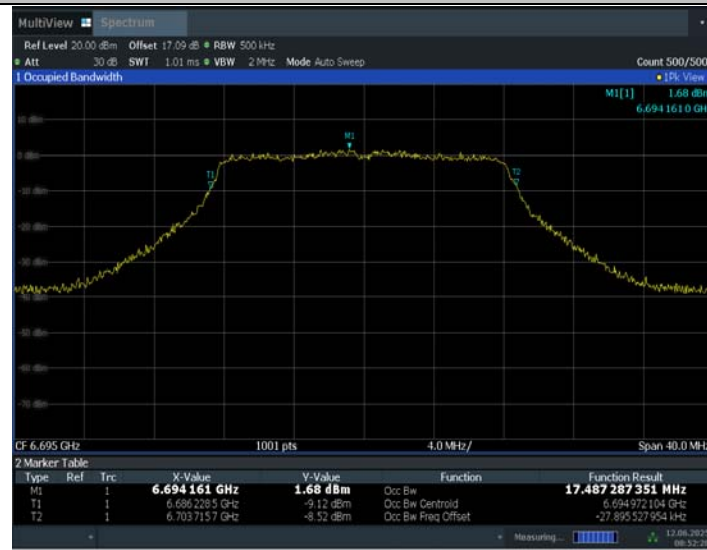
11A_Ant9_6535



11A_Ant6_6695

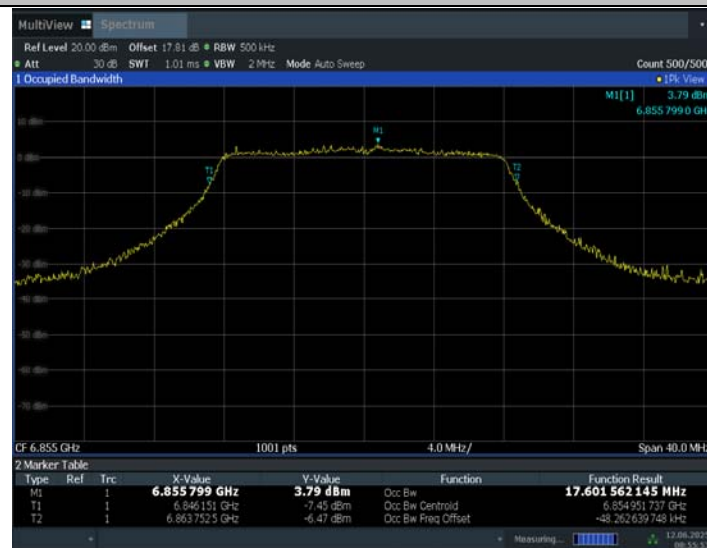


11A_Ant9_6695



08:52:29 12.06.2025

11A_Ant6_6855



08:55:54 12.06.2025

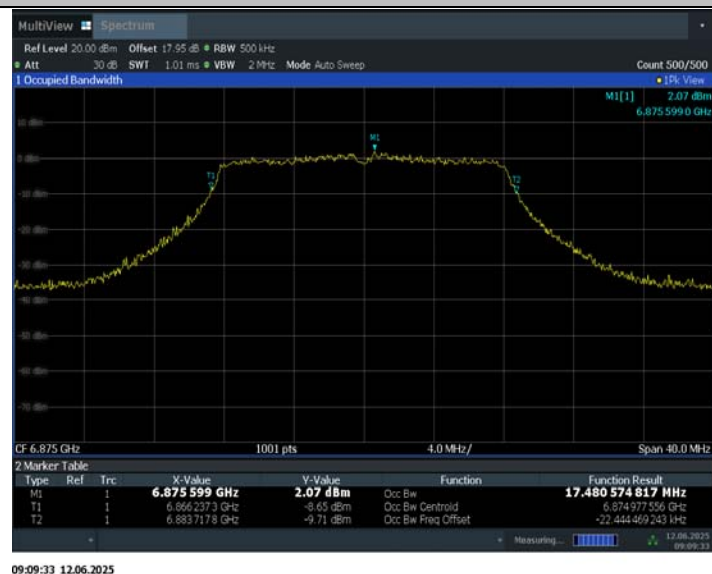
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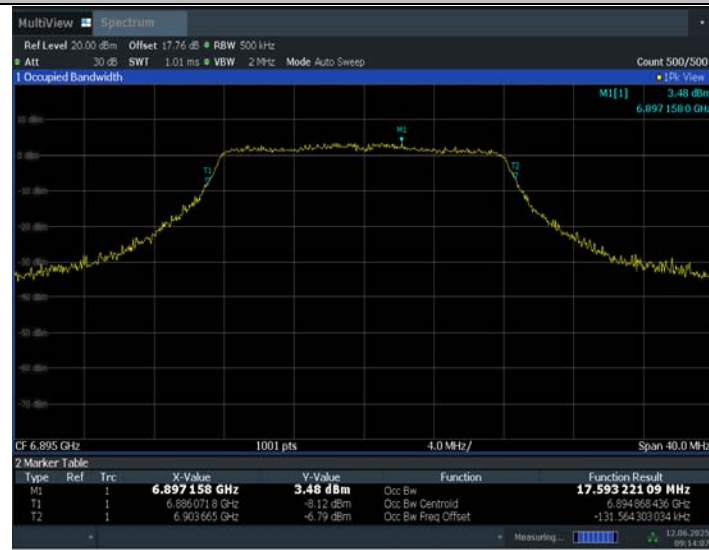
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11A_Ant9_6875

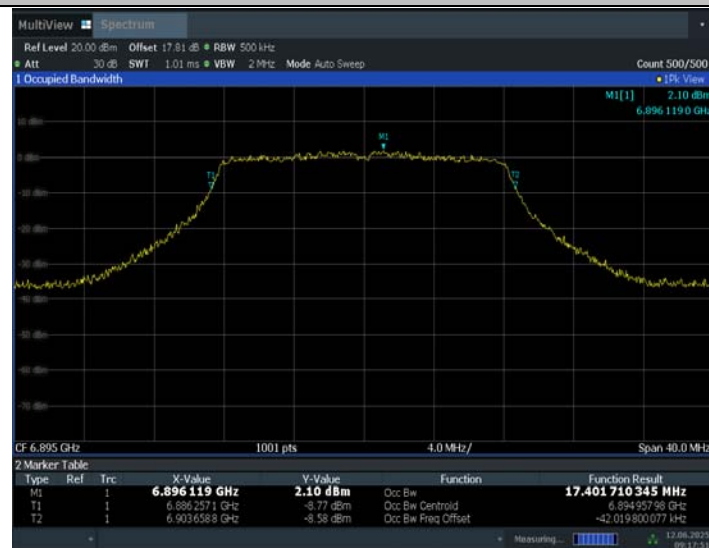


11A_Ant6_6895



09:14:08 12.06.2025

11A_Ant9_6895



09:17:52 12.06.2025

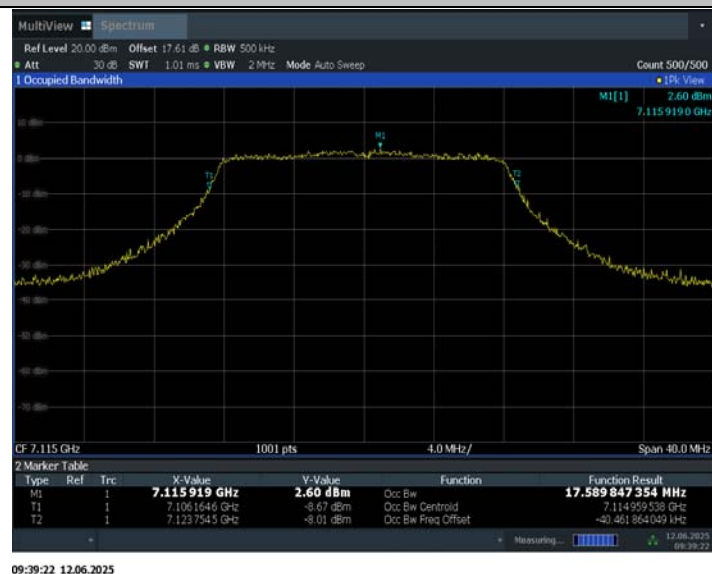
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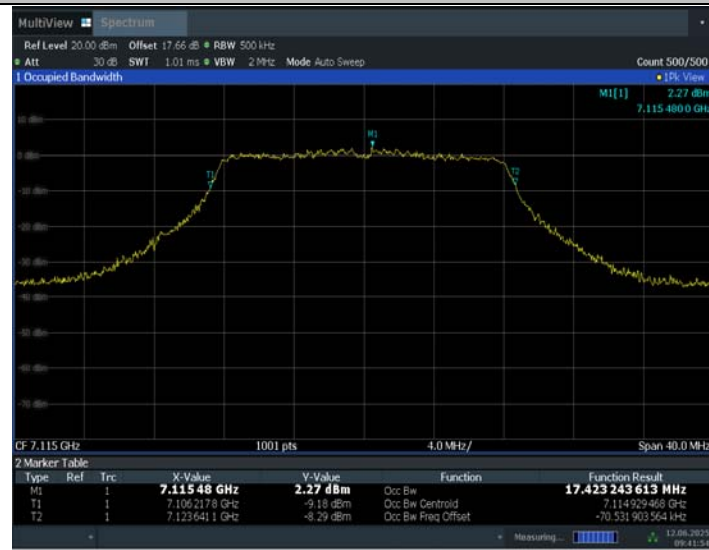
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11A_Ant6_7115



11A_Ant9_7115



09:41:55 12.06.2025

11AX20MIMO_Ant6_5955

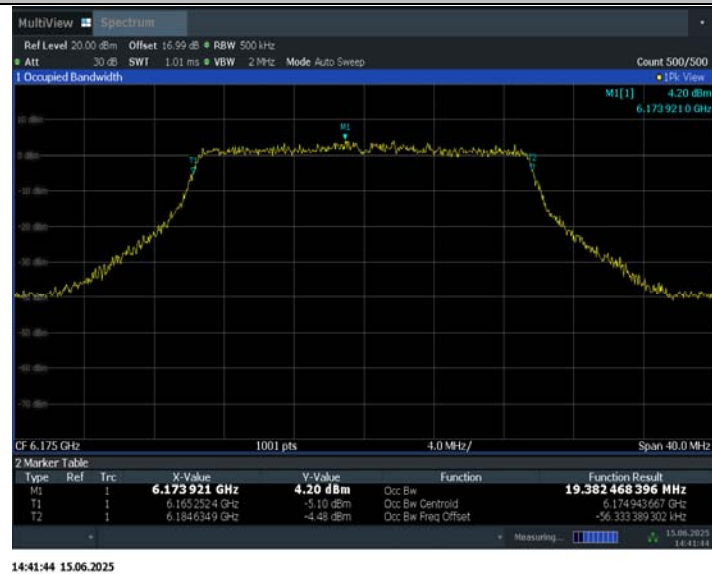


12:43:44 15.06.2025

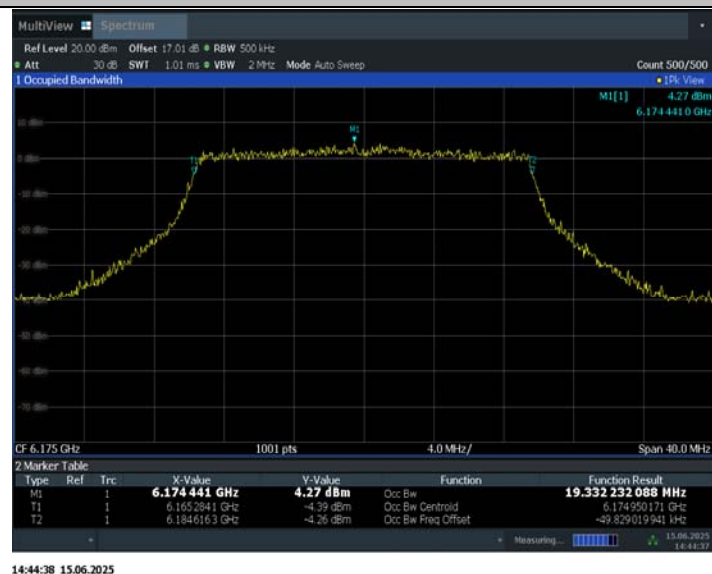
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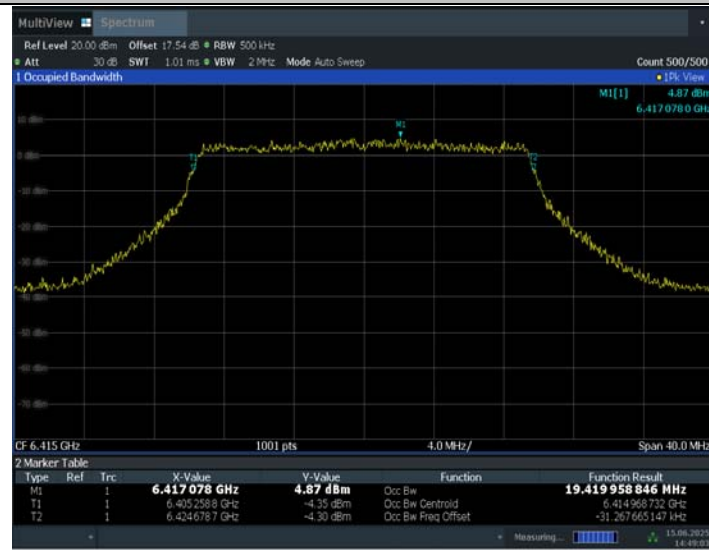
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11AX20MIMO_Ant9_6175



11AX20MIMO_Ant6_6415



14:49:03 15.06.2025

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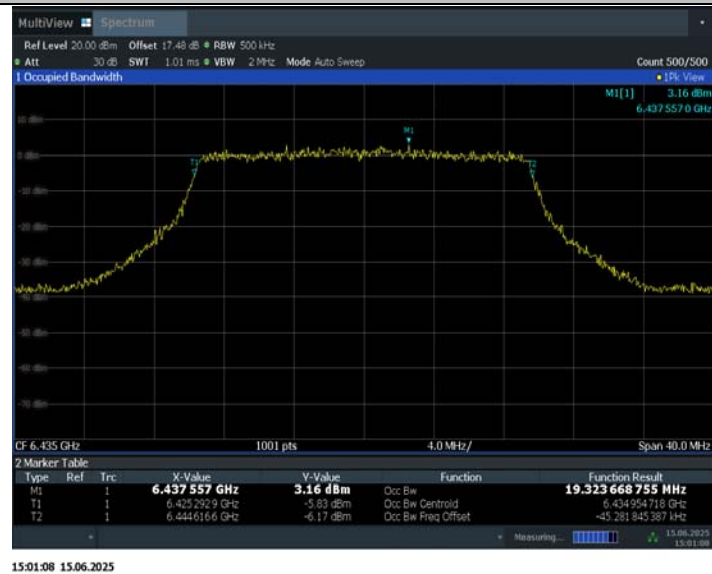


14:49:47 15.06.2025

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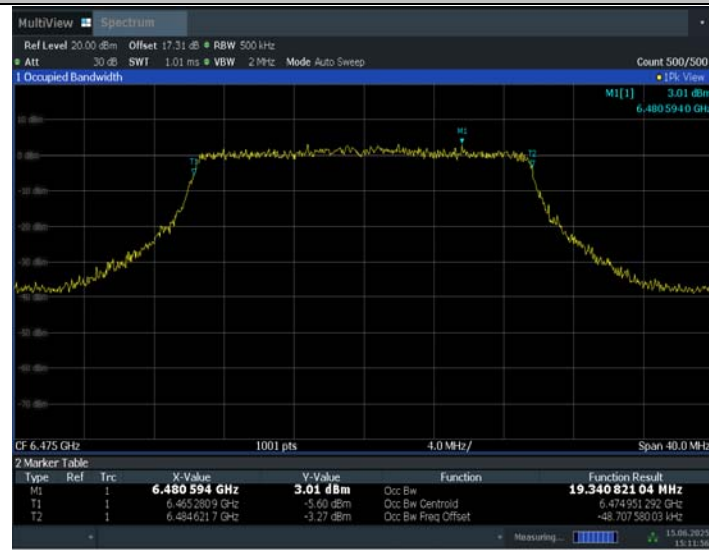
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11AX20MIMO_Ant6_6475



11AX20MIMO_Ant9_6475



15:11:56 15.06.2025

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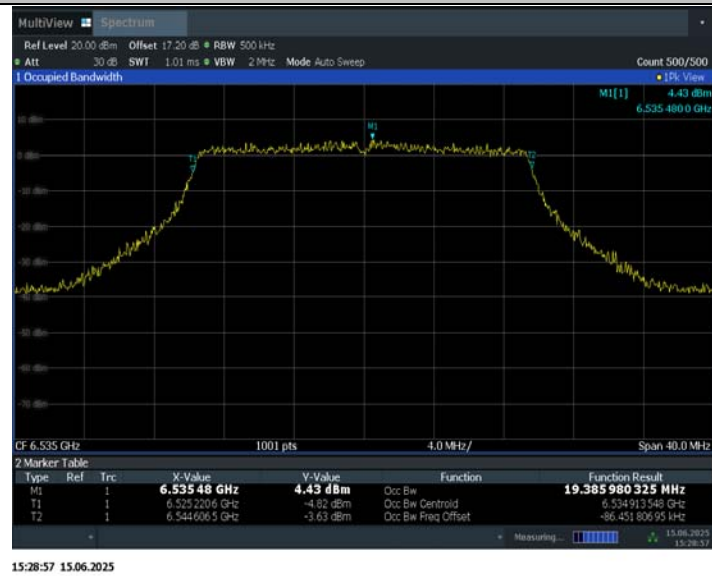


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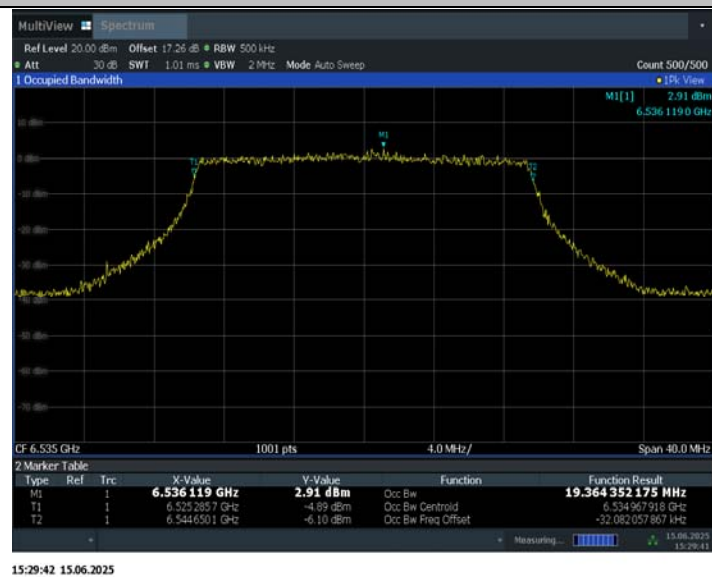
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11AX20MIMO_Ant6_6535



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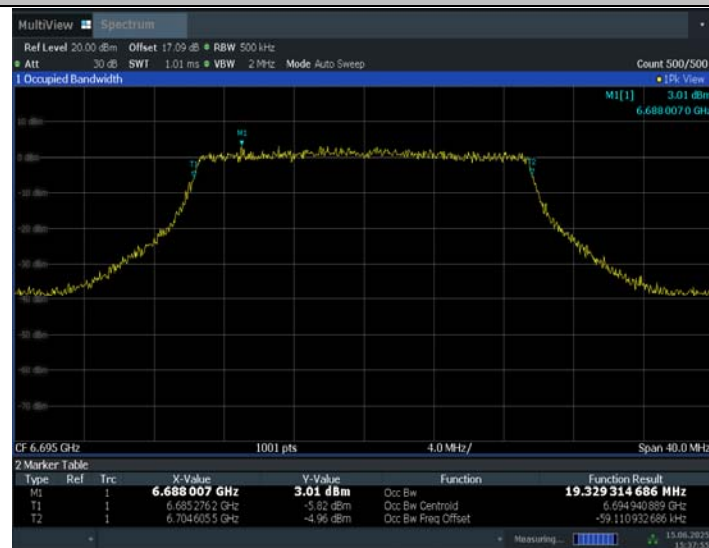


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15:37:12 15.06.2025

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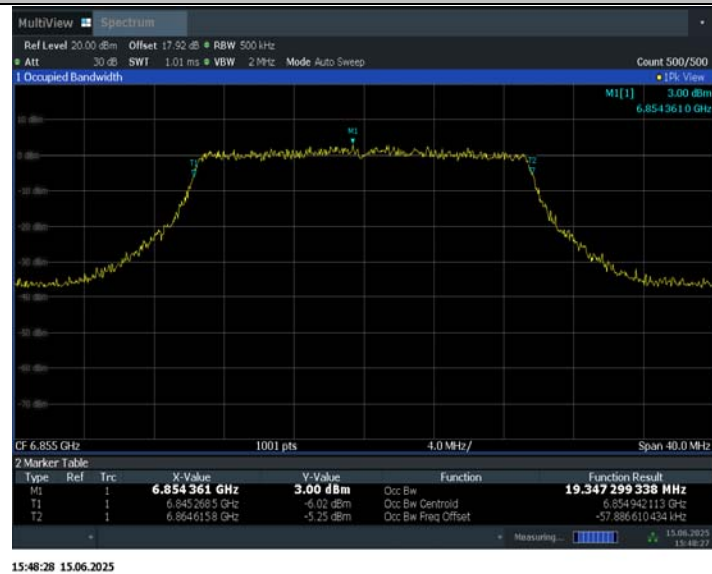


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11AX20MIMO_Ant6_6855



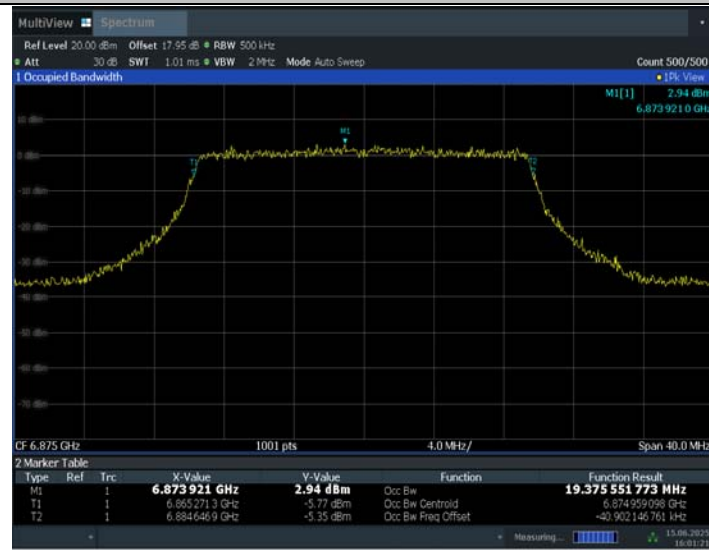
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11AX20MIMO_Ant6_6875



11AX20MIMO_Ant9_6875



16:01:21 15.06.2025

11AX20MIMO_Ant6_6895



16:11:00 15.06.2025

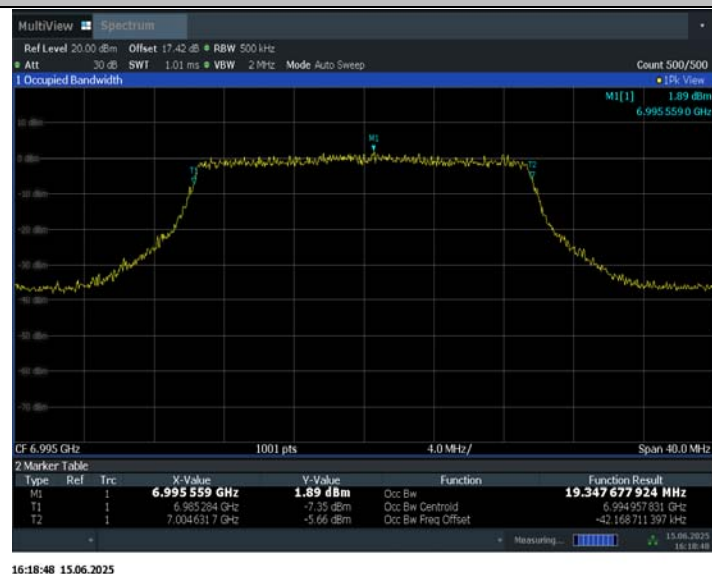
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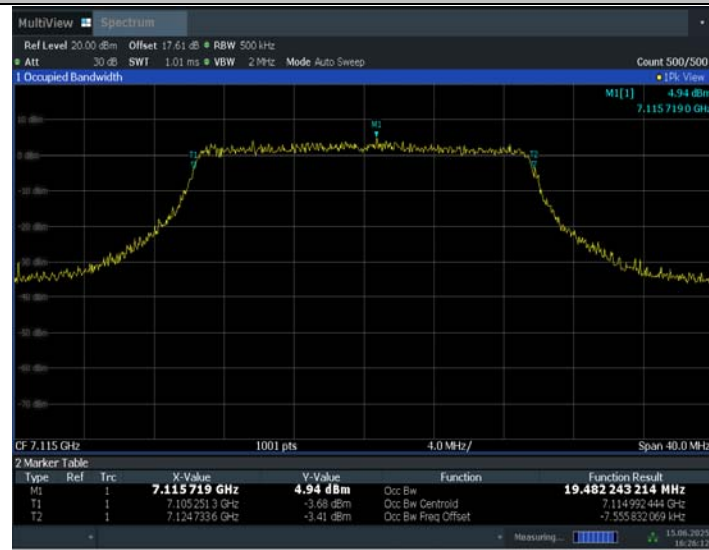
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11AX20MIMO_Ant9_6995



11AX20MIMO_Ant6_7115



16:26:12 15.06.2025

11AX20MIMO_Ant9_7115



16:28:33 15.06.2025

11AX40MIMO_Ant6_5965