



FCC PART 15E TEST REPORT No.25T04Z100772-002

For

WESTALA TECHNOLOGIES INC.

Wi-Fi7 Wall Plate AP

WS-AP72W

FCC ID: 2BQVXWSAP72W

with

Hardware Version: Ver.C

Software Version: AP72W_1.0.XX

Issued Date: 2025-09-09

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

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

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100772-002	Rev.0	1st edition	2025-08-04
25T04Z100772-002	Rev.1	Add information in P7. Update the description of power supply methods in P7. Update equipment information on page 10. Add DG gain in P13. Add note in P19. Add the test instrument (antenna) information for radiation measurements below 30MHz in P10. Add the note for SISO and MIMO emissions results in P72. Add the note for below 30MHz and above 18GHz in P104. Add the 30MHz-1GHz test results in P105.	2025-09-03
25T04Z100772-002	Rev.2	Add The note for equipment in P10. Add KDB 662911 in P8. Update address in P6. Update the testing start date in P5. Update calibration period for equipment in P10.	2025-09-09

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

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

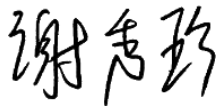
Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2025-05-12

Testing End Date: 2025-07-04

1.5. Signature



Xie Xiuzhen
(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: WESTALA TECHNOLOGIES INC.
Address: 13930 Willow Bend Dr, Frisco TX 75035, United States
Contact: Robert HAN
Email: robert.han@westalatech.com
Telephone: 469-274-4814
Fax: /

2.2 Manufacturer Information

Company Name: WESTALA TECHNOLOGIES INC.
Address: 13930 Willow Bend Dr, Frisco TX 75035, United States
Contact: Robert HAN
Email: robert.han@westalatech.com
Telephone: 469-274-4814
Fax: /

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

3.1. About EUT

Description	Wi-Fi7 Wall Plate AP
Model name	WS-AP72W
FCC ID	2BQVXWSAP72W
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Normal Voltage	48V
Extreme High Voltage	57V
Extreme Low Voltage	40V
Partial RU	Not Support
Wi-Fi Mode	802.11a/n/ac/ax/be
Bandwidth	20M/40M/80M/160M
TPC	Not Support

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT01a	1106000012258100001	Ver.C	AP72W_1.0.XX	2025-04-15
UT02a	1106000012258100002	Ver.C	AP72W_1.0.XX	2025-05-26
UT05a	1106000012258100003	Ver.C	AP72W_1.0.XX	2025-05-22

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

UT01a/02a is used for Conduction test, UT05a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Type	SN
AE1	POE adapter	/	/

*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 Wi-Fi7 Wall Plate AP with integrated antenna, powered by a wired connection.

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.	2013
	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12
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 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/E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	P
Peak Power Spectral Density	15.407	/	P
26dB Emission Bandwidth	15.403	/	P
Band edge compliance (Radiated)	15.407, 15.205, 15.209	/	P
Transmitter spurious emissions (Radiated)	15.407, 15.205, 15.209	/	P
AC Powerline Conducted Emission (150kHz- 30MHz)	15.207	/	P
99% Occupied bandwidth	/	/	P
Transmit Power Control	15.407	/	NA

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 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	48V
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	13 months	2026-06-09
2	LISN	ENV216	101459	Rohde & Schwarz	12 months	2026-05-07
3	Test Receiver	ESCI 3	100766	Rohde & Schwarz	12 months	2026-05-07
4	Attenuator	10dB/2W	/	Rosenberger	/	/

Radiated emission test system

3 m Anechoic Chamber 2

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver(note)	ESU26	100376	Rohde & Schwarz	12 months	2026-06-20
2	Antenna	HFH2-Z2	829324/007	Rohde & Schwarz	12 months	2026-01-04
3	BiLog Antenna	VULB9163	01177	Schwarzbeck	12 months	2025-11-19
4	Antenna	3117	00119021	ETS-Lindgren	12 months	2025-09-08
5	Spectrum Analyzer	FSV40	101047	Rohde & Schwarz	12 months	2025-07-18
6	Antenna	LB-180400-25-C-KF	J211060826	A-INFO	12 months	2025-07-24

Note: The equipment used after 2025.06.21

BDA

Test Item	Test Software and Version	Software Vendor
Band edge compliance (Radiated)	EMC32 V8.53.0	R&S
Transmitter spurious emissions (Radiated)	EMC32 V8.53.0	R&S
AC Powerline 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 26dB Emission Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5 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

8.1. AC Power-line Conducted Emission

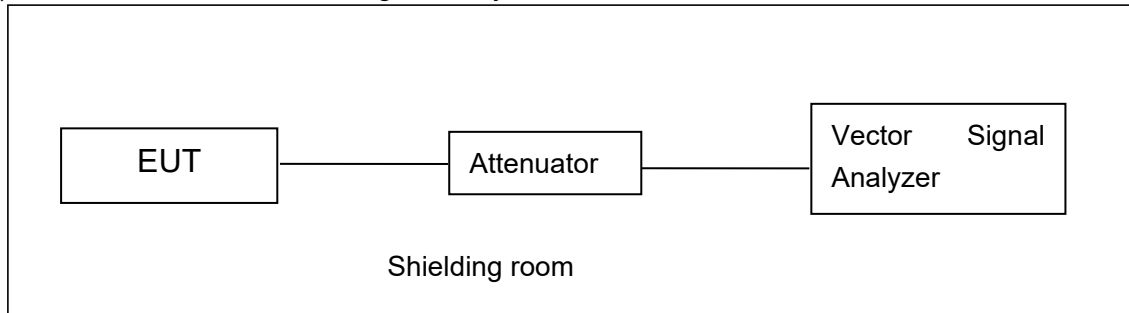
Measurement Uncertainty : 3.10dB,k=2

ANNEX A: Detailed Test 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

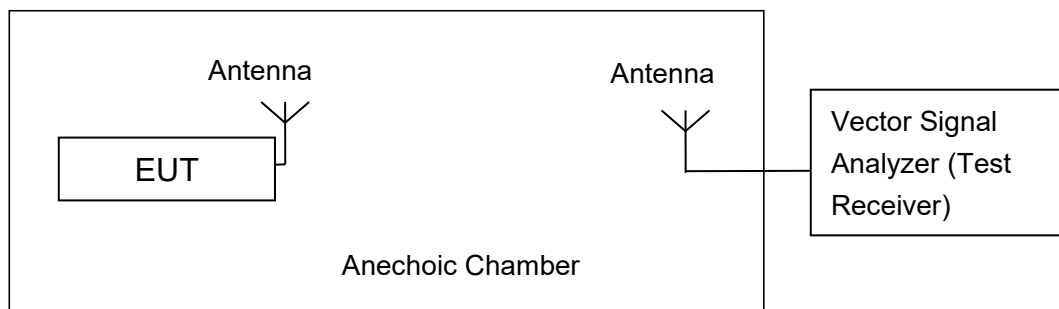


A.1.2. Radiated Emission Measurements

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;



The measurement is made according to KDB 789033

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. 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 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.

A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	24dBm
	5250MHz~5350MHz	24dBm or 11+10logB
	5470MHz~5725MHz	24dBm or 11+10logB

Limit use the less value, and B is the 26dB bandwidth.

The measurementmethod SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

Fre(MHz)	CH1(dBi)	CH2(dBi)	DG Gain
5180	1.61	3.58	5.66
5190	1.61	3.58	5.66
5200	1.61	3.58	5.66
5210	1.61	3.58	5.66
5230	1.31	3.31	5.38
5240	1.31	3.31	5.38
5250	1.31	3.31	5.38
5260	1.31	3.31	5.38
5270	1.31	3.31	5.38
5280	1.56	2.92	5.28
5290	1.56	2.92	5.28
5310	1.56	2.92	5.28
5320	1.56	2.92	5.28
5500	2.55	3.23	5.91
5510	2.55	3.23	5.91
5530	1.79	2.26	5.04
5550	1.79	2.26	5.04
5570	1.79	2.26	5.04
5580	2.2	2.6	5.41
5610	2.2	2.6	5.41
5670	2.2	2.72	5.47
5690	2.23	2.4	5.33
5700	2.23	2.4	5.33
5710	2.23	2.4	5.33
5720	2.23	2.4	5.33

For mimo, only support BF mode, power and PSD directional gain is calculated as:

Directional gain = $10 \log [(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_n/20})^2 / \text{NANT}]$ dBi. NANT = number of transmit antennas, NSS = number of spatial streams. (The worst case directional gain will occur when NSS = 1)

A.2.2 Maximum output Power-Conducted

EUT ID: UT01a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)	
		Data Rate (Mbps)	
		CH1	CH2
802.11a	5180MHz	16.73	16.06
	5200MHz	16.84	16.42
	5240MHz	16.78	16.41
	5260MHz	16.83	16.25
	5280MHz	17.06	16.62
	5320MHz	16.67	16.31
	5500MHz	12.88	13.03
	5580MHz	12.25	12.01
	5700MHz	12.98	12.75
	5720MHz	12.22	12.13

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

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11n 20	5180MHz	16.03	15.21	18.65
	5200MHz	16.11	15.49	18.82
	5240MHz	16.03	15.35	18.71
	5260MHz	16.19	15.35	18.80
	5280MHz	16.42	15.67	19.07
	5320MHz	15.90	15.31	18.63
	5500MHz	11.21	11.16	14.20
	5580MHz	10.52	10.06	13.31
	5700MHz	11.17	10.88	14.04
	5720MHz	10.48	10.22	13.36

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

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ac 20	5180MHz	16.05	15.22	18.67
	5200MHz	16.16	15.47	18.84
	5240MHz	16.02	15.43	18.75
	5260MHz	16.13	15.38	18.78
	5280MHz	16.41	15.69	19.08
	5320MHz	15.93	15.28	18.63
	5500MHz	10.68	10.70	13.70
	5580MHz	10.03	9.59	12.83
	5700MHz	10.77	10.39	13.59
	5720MHz	10.01	9.75	12.89

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

802.11ax-HE20 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ax 20	5180MHz	15.77	14.87	18.35
	5200MHz	15.91	15.05	18.51
	5240MHz	15.50	15.09	18.31
	5260MHz	15.70	15.07	18.41
	5280MHz	15.91	15.34	18.64
	5320MHz	15.70	15.04	18.39
	5500MHz	8.93	8.76	11.86
	5580MHz	8.26	7.64	10.97
	5700MHz	8.96	8.38	11.69
	5720MHz	7.91	7.49	10.72

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

802.11be-EHT20 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11b e20	5180MHz	15.84	14.84	18.38
	5200MHz	15.86	15.07	18.49

	5240MHz	15.53	15.11	18.34
	5260MHz	15.65	15.06	18.38
	5280MHz	15.92	15.39	18.67
	5320MHz	15.72	15.03	18.40
	5500MHz	8.96	8.78	11.88
	5580MHz	8.24	7.64	10.96
	5700MHz	8.98	8.36	11.69
	5720MHz	7.93	7.50	10.73

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

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11n 40	5190MHz	10.77	10.23	13.52
	5230MHz	11.00	10.61	13.82
	5270MHz	10.97	10.20	13.61
	5310MHz	10.87	9.98	13.46
	5510MHz	10.36	10.27	13.33
	5550MHz	10.44	9.84	13.16
	5670MHz	10.30	9.79	13.06
	5710MHz	10.38	9.94	13.18

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

802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ac 40	5190MHz	10.81	10.21	13.53
	5230MHz	10.95	10.60	13.79
	5270MHz	10.94	10.16	13.58
	5310MHz	10.83	9.98	13.44
	5510MHz	10.34	10.31	13.34
	5550MHz	10.43	9.79	13.13
	5670MHz	10.29	9.79	13.06
	5710MHz	10.42	9.94	13.20

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

802.11ax-HE40 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ax 40	5190MHz	10.39	9.66	13.05
	5230MHz	10.52	10.09	13.32
	5270MHz	10.53	9.67	13.13
	5310MHz	10.38	9.56	13.00
	5510MHz	10.43	10.33	13.39
	5550MHz	10.51	9.84	13.20
	5670MHz	10.35	9.83	13.11
	5710MHz	10.38	9.87	13.14

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

802.11be-EHT40 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11b e40	5190MHz	10.90	10.26	13.60
	5230MHz	11.10	10.66	13.90
	5270MHz	11.03	10.22	13.65
	5310MHz	10.88	10.04	13.49
	5510MHz	10.88	10.87	13.89
	5550MHz	10.99	10.36	13.70
	5670MHz	10.91	10.33	13.64
	5710MHz	10.81	10.41	13.62

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

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ac 80	5210MHz	9.92	9.38	12.67
	5290MHz	10.16	9.31	12.77
	5530MHz	9.90	9.21	12.58
	5610MHz	8.88	8.13	11.53
	5690MHz	9.48	8.98	12.25

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

802.11ax-HE80 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ax 80	5210MHz	9.85	9.35	12.62
	5290MHz	10.17	9.29	12.76
	5530MHz	10.40	9.70	13.07
	5610MHz	9.45	8.61	12.06
	5690MHz	9.91	9.40	12.67

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

802.11be-EHT80 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11b e80	5210MHz	10.41	9.88	13.16
	5290MHz	10.62	9.81	13.24
	5530MHz	10.40	9.75	13.10
	5610MHz	9.42	8.64	12.06
	5690MHz	9.91	9.38	12.66

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

802.11ac-VHT160 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ac 160	5250MHz	7.02	8.90	11.07
	5570MHz	8.21	7.39	10.83

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

802.11ax-HE160 mode

Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11ax 160	5250MHz	8.21	7.45	10.86
	5570MHz	8.85	8.05	11.48

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

802.11be-EHT160 mode

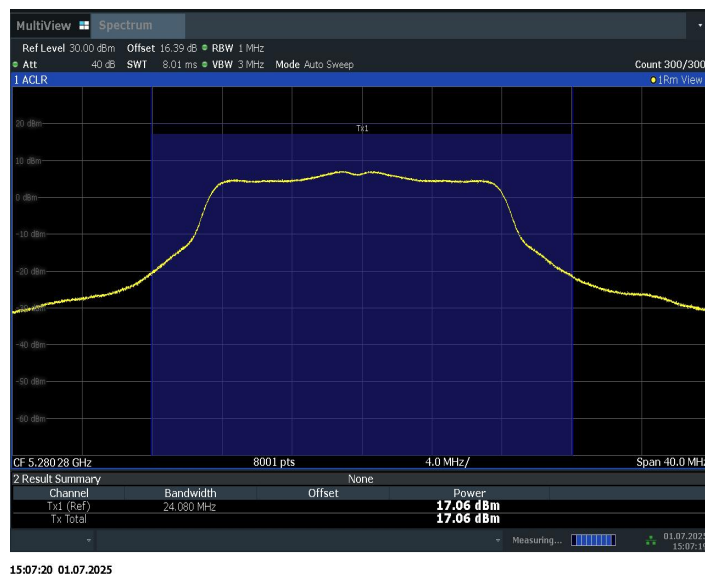
Mode	Frequency	Test Result (dBm)		
		Data Rate (Mbps)		
		CH1	CH2	MIMO
802.11b	5250MHz	8.56	7.87	11.24
e160	5570MHz	9.33	8.47	11.93

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

The duty cycle of all mode are equal or greater than 98%.

Note:

1. 802.11a only support siso mode, and CH1 port was selected as the worst condition, and the following cases are performed with this condition.
2. 802.11ax/be only support full RU mode
3. For 20M mimo mode, the power of 802.11n-HT20(802.11ax-HE20) mode was lower than 802.11ac-VHT20(802.11be-EHT20), the following cases are performed with this condition.
4. For 40M mimo mode, the power of 802.11ac-VHT40(802.11ax-HE40) mode was lower than 802.11n-HT40(802.11be-EHT40), the following cases are performed with this condition.
5. For 80M mimo mode, the power of 802.11ax-HE80 mode was lower than 802.11be-EHT80, the following cases are performed with this condition.
6. For 160M mimo mode, the power of 802.11ax-HE160 mode was lower than 802.11be-EHT160, the following cases are performed with this condition.



Maximum output Power: 802.11a 5280MHz

Conclusion: PASS

A.3. Peak Power Spectral Density (conducted)

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	11
	5250MHz~5350MHz	11
	5470MHz~5725MHz	11

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

EUT ID: UT01a

Measurement Results:

Test Mode	Port	Frequency[MHz]	Result [dBm/MHz]
11A	CH1	5180	6.00
		5200	6.06
		5240	5.79
		5260	5.99
		5280	6.09
		5320	5.95
		5500	3.18
		5580	2.36
		5700	3.10
		5720	3.07
11N40MIMO	CH1	5190	-2.14
	CH2	5190	-2.62
	total	5190	0.64
	CH1	5230	-1.84
	CH2	5230	-2.11
	total	5230	1.04
	CH1	5270	-2.01
	CH2	5270	-2.86
	total	5270	0.60
	CH1	5310	-2.27
	CH2	5310	-2.98
	total	5310	0.40
	CH1	5510	-2.48
	CH2	5510	-2.35
	total	5510	0.60
	CH1	5550	-2.54
	CH2	5550	-3.05
	total	5550	0.22
	CH1	5670	-3.12
	CH2	5670	-3.03
	total	5670	-0.06

	CH1	5710	-2.44
	CH2	5710	-2.75
	total	5710	0.42
11AC20MIMO	CH1	5180	5.95
	CH2	5180	5.15
	total	5180	8.58
	CH1	5200	6.21
	CH2	5200	5.47
	total	5200	8.87
	CH1	5240	6.10
	CH2	5240	5.53
	total	5240	8.83
	CH1	5260	6.14
	CH2	5260	5.18
	total	5260	8.70
	CH1	5280	6.45
	CH2	5280	5.56
	total	5280	9.04
	CH1	5320	5.62
	CH2	5320	5.00
	total	5320	8.33
	CH1	5500	0.36
	CH2	5500	0.41
	total	5500	3.40
	CH1	5580	-0.35
	CH2	5580	-0.55
	total	5580	2.56
	CH1	5700	0.61
	CH2	5700	0.19
	total	5700	3.42
	CH1	5720	0.42
	CH2	5720	0.44
	total	5720	3.44
11AC80MIMO	CH1	5210	-6.14
	CH2	5210	-6.80
	total	5210	-3.45
	CH1	5290	-5.78
	CH2	5290	-6.25
	total	5290	-3.00
	CH1	5530	-6.24
	CH2	5530	-6.89
	total	5530	-3.54

	CH1	5610	-6.89
	CH2	5610	-7.93
	total	5610	-4.37
	CH1	5690	-6.08
	CH2	5690	-6.88
	total	5690	-3.45
11AC160MIMO	CH1	5250	-9.75
	CH2	5250	-11.00
	total	5250	-7.32
	CH1	5570	-10.99
	CH2	5570	-11.95
	total	5570	-8.43
11BE20MIMO	CH1	5180	5.47
	CH2	5180	4.76
	total	5180	8.14
	CH1	5200	5.63
	CH2	5200	4.98
	total	5200	8.33
	CH1	5240	5.18
	CH2	5240	4.90
	total	5240	8.05
	CH1	5260	5.41
	CH2	5260	4.76
	total	5260	8.11
	CH1	5280	5.57
	CH2	5280	5.36
	total	5280	8.48
	CH1	5320	5.33
	CH2	5320	4.75
	total	5320	8.06
	CH1	5500	-1.46
	CH2	5500	-1.45
	total	5500	1.56
	CH1	5580	-2.13
	CH2	5580	-2.66
	total	5580	0.62
	CH1	5700	-1.50
	CH2	5700	-1.86
	total	5700	1.33
	CH1	5720	-1.61
	CH2	5720	-1.82
	total	5720	1.30

11BE40MIMO	CH1	5190	-2.03
	CH2	5190	-2.75
	total	5190	0.64
	CH1	5230	-2.00
	CH2	5230	-2.17
	total	5230	0.93
	CH1	5270	-2.09
	CH2	5270	-2.91
	total	5270	0.53
	CH1	5310	-2.19
	CH2	5310	-2.96
	total	5310	0.45
	CH1	5510	-2.07
	CH2	5510	-1.91
	total	5510	1.02
	CH1	5550	-1.94
	CH2	5550	-2.54
	total	5550	0.78
	CH1	5670	-2.48
	CH2	5670	-2.55
	total	5670	0.50
11BE80MIMO	CH1	5710	-2.07
	CH2	5710	-1.95
	total	5710	1.00
	CH1	5210	-5.54
	CH2	5210	-6.18
	total	5210	-2.84
	CH1	5290	-5.13
	CH2	5290	-5.47
	total	5290	-2.29
	CH1	5530	-5.66
	CH2	5530	-6.27
	total	5530	-2.94
	CH1	5610	-6.45
	CH2	5610	-7.50
	total	5610	-3.93
11BE160MIMO	CH1	5690	-5.68
	CH2	5690	-6.20
	total	5690	-2.92
11BE160MIMO	CH1	5250	-9.06
	CH2	5250	-10.39
	total	5250	-6.66

	CH1	5570	-10.01
	CH2	5570	-10.78
	total	5570	-7.37



Peak Power Spectral Density:802.11a 5280MHz

Conclusion: PASS

A.4. 26dB Emission Bandwidth (conducted)

Measurement Limit:

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

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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EUT ID: UT01a

Measurement Result:

TestMode	Port	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]
11A	CH1	5180	24.08	5168.24	5192.32
	CH1	5200	24.08	5188.24	5212.32
	CH1	5240	24.08	5228.24	5252.32
	CH1	5260	24.08	5248.24	5272.32
	CH1	5280	24.08	5268.24	5292.32
	CH1	5320	24.12	5308.20	5332.32

	CH1	5500	22.40	5488.80	5511.20
	CH1	5580	22.88	5568.28	5591.16
	CH1	5700	22.96	5688.28	5711.24
	CH1	5720	20.72	5704.28	5725

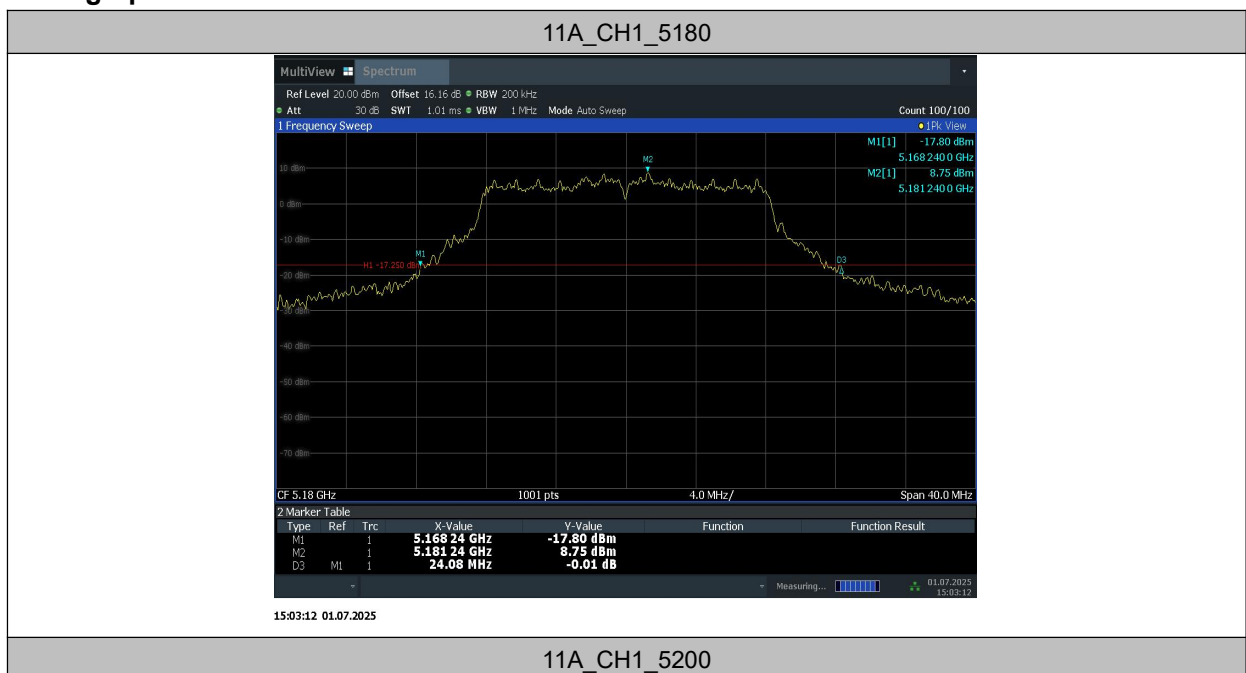
TestMode	Port	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]
11N40MI MO	CH1	5190	45.60	5167.28	5212.88
	CH2	5190	44.80	5167.76	5212.56
	CH1	5230	46.08	5206.88	5252.96
	CH2	5230	44.08	5207.76	5251.84
	CH1	5270	45.36	5247.12	5292.48
	CH2	5270	44.24	5248.00	5292.24
	CH1	5310	46.40	5286.88	5333.28
	CH2	5310	45.12	5287.20	5332.32
	CH1	5510	45.28	5487.44	5532.72
	CH2	5510	44.32	5487.60	5531.92
	CH1	5550	45.76	5527.12	5572.88
	CH2	5550	45.04	5527.20	5572.24
	CH1	5670	46.64	5646.48	5693.12
	CH2	5670	43.76	5648.32	5692.08
	CH1	5710	46.40	5686.64	5733.04
	CH2	5710	44.56	5687.92	5732.48
11AC20MI MO	CH1	5180	23.72	5168.20	5191.92
	CH2	5180	24.24	5168.00	5192.24
	CH1	5200	23.76	5188.24	5212.00
	CH2	5200	24.24	5187.72	5211.96
	CH1	5240	23.84	5228.24	5252.08
	CH2	5240	24.20	5227.76	5251.96
	CH1	5260	24.32	5247.96	5272.28
	CH2	5260	24.36	5247.96	5272.32
	CH1	5280	24.40	5267.68	5292.08
	CH2	5280	23.76	5268.20	5291.96
	CH1	5320	23.80	5308.24	5332.04
	CH2	5320	24.24	5308.00	5332.24
	CH1	5500	22.76	5488.68	5511.44
	CH2	5500	23.32	5488.28	5511.60
	CH1	5580	23.24	5568.24	5591.48
	CH2	5580	23.12	5568.24	5591.36
	CH1	5700	22.72	5688.52	5711.24
	CH2	5700	23.08	5688.32	5711.40
	CH1	5720	23.00	5708.56	5731.56

	CH2	5720	22.96	5708.36	5731.32
11AC80MI MO	CH1	5210	93.76	5162.64	5256.40
	CH2	5210	91.04	5164.56	5255.60
	CH1	5290	92.96	5242.80	5335.76
	CH2	5290	89.92	5245.20	5335.12
	CH1	5530	91.84	5484.56	5576.40
	CH2	5530	91.20	5484.24	5575.44
	CH1	5610	92.00	5563.76	5655.76
	CH2	5610	91.52	5563.76	5655.28
	CH1	5690	91.68	5644.08	5735.76
	CH2	5690	89.92	5645.52	5735.44
11AC160 MIMO	CH1	5250	168.96	5164.88	5333.84
	CH2	5250	178.56	5160.40	5338.96
	CH1	5570	178.56	5480.08	5658.64
	CH2	5570	179.20	5479.44	5658.64
11BE20MI MO	CH1	5180	23.60	5168.24	5191.84
	CH2	5180	23.80	5168.24	5192.04
	CH1	5200	22.76	5188.56	5211.32
	CH2	5200	24.00	5188.04	5212.04
	CH1	5240	23.68	5228.08	5251.76
	CH2	5240	23.48	5228.16	5251.64
	CH1	5260	23.48	5248.32	5271.80
	CH2	5260	23.88	5248.12	5272.00
	CH1	5280	22.84	5268.52	5291.36
	CH2	5280	23.36	5268.44	5291.80
	CH1	5320	23.64	5308.04	5331.68
	CH2	5320	23.68	5308.08	5331.76
	CH1	5500	22.52	5488.72	5511.24
	CH2	5500	23.12	5488.36	5511.48
	CH1	5580	22.64	5568.52	5591.16
	CH2	5580	23.12	5568.56	5591.68
	CH1	5700	22.92	5688.40	5711.32
	CH2	5700	23.12	5688.40	5711.52
	CH1	5720	22.80	5708.44	5731.24
	CH2	5720	23.12	5708.52	5731.64
11BE40MI MO	CH1	5190	44.48	5168.00	5212.48
	CH2	5190	43.60	5168.24	5211.84
	CH1	5230	44.88	5207.68	5252.56
	CH2	5230	43.60	5207.92	5251.52
	CH1	5270	44.16	5247.92	5292.08
	CH2	5270	44.96	5247.68	5292.64
	CH1	5310	44.48	5288.08	5332.56

	CH2	5310	44.40	5287.68	5332.08
	CH1	5510	43.92	5487.92	5531.84
	CH2	5510	44.08	5488.24	5532.32
	CH1	5550	43.60	5528.16	5571.76
	CH2	5550	43.52	5528.56	5572.08
	CH1	5670	44.64	5647.84	5692.48
	CH2	5670	43.84	5648.24	5692.08
	CH1	5710	44.16	5687.76	5731.92
	CH2	5710	43.76	5688.16	5731.92
11BE80MI MO	CH1	5210	87.68	5166.32	5254.00
	CH2	5210	88.96	5165.20	5254.16
	CH1	5290	88.80	5244.72	5333.52
	CH2	5290	88.32	5245.84	5334.16
	CH1	5530	88.16	5486.16	5574.32
	CH2	5530	88.80	5485.20	5574.00
	CH1	5610	89.76	5564.08	5653.84
	CH2	5610	89.28	5565.20	5654.48
	CH1	5690	90.08	5644.56	5734.64
	CH2	5690	88.96	5646.16	5735.12
11BE160 MIMO	CH1	5250	177.28	5161.04	5338.32
	CH2	5250	176.64	5161.36	5338.00
	CH1	5570	175.68	5481.36	5657.04
	CH2	5570	176.96	5480.08	5657.04

Conclusion: PASS

Test graphs as below:





15:04:04 01.07.2025

11A_CH1_5240



15:05:07 01.07.2025

11A_CH1_5260



15:06:10 01.07.2025

11A_CH1_5280



15:07:01 01.07.2023

11A_CH1_5320



15:07:54 01.07.2023

11A_CH1_5500



15:08:51 01.07.2025

11A_CH1_5580



15:09:37 01.07.2025

11A_CH1_5700



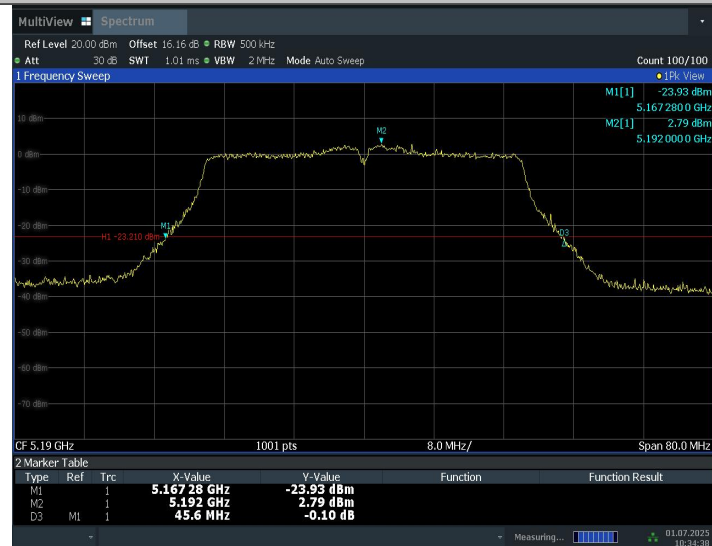
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11A_CH1_5720



18:07:50 28.05.2025

11N40MIMO_CH1_5190



10:34:38 01.07.2025

11N40MIMO_CH2_5190



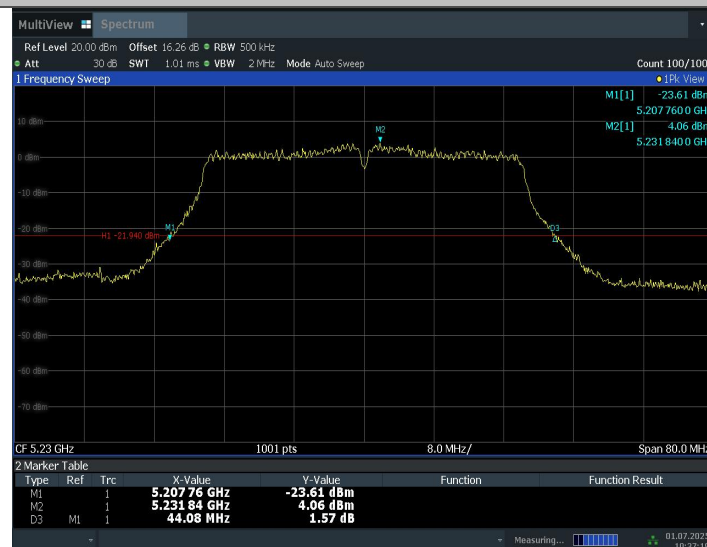
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11N40MIMO_CH1_5230



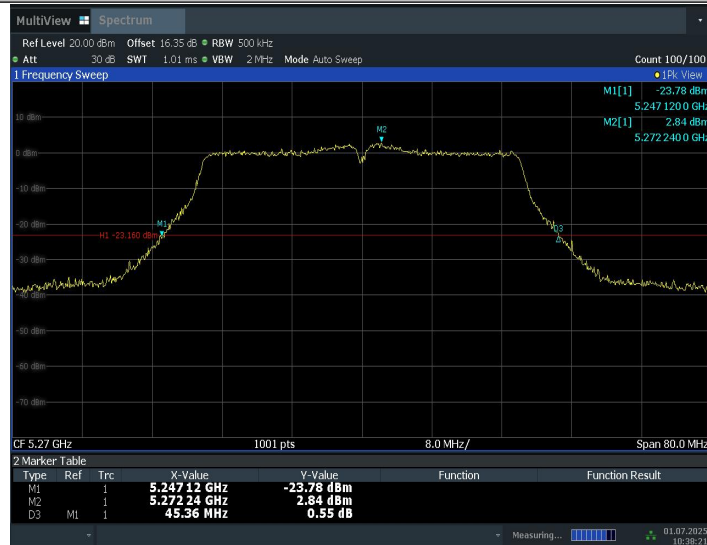
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11N40MIMO_CH2_5230



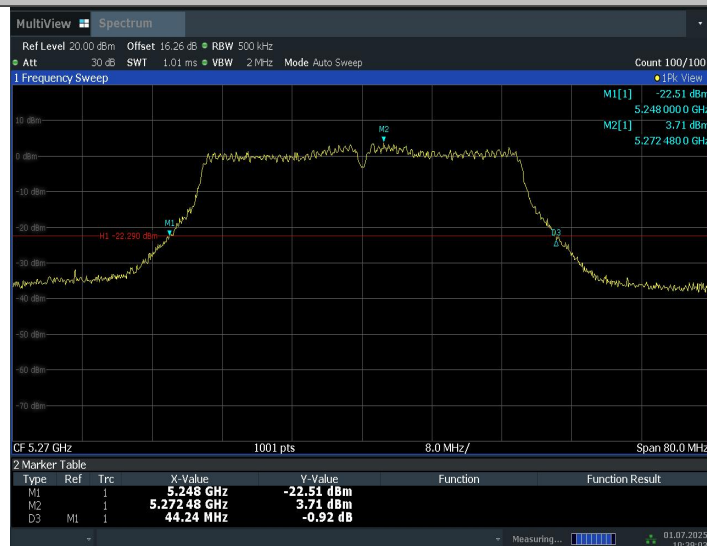
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11N40MIMO_CH1_5270



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11N40MIMO_CH2_5270



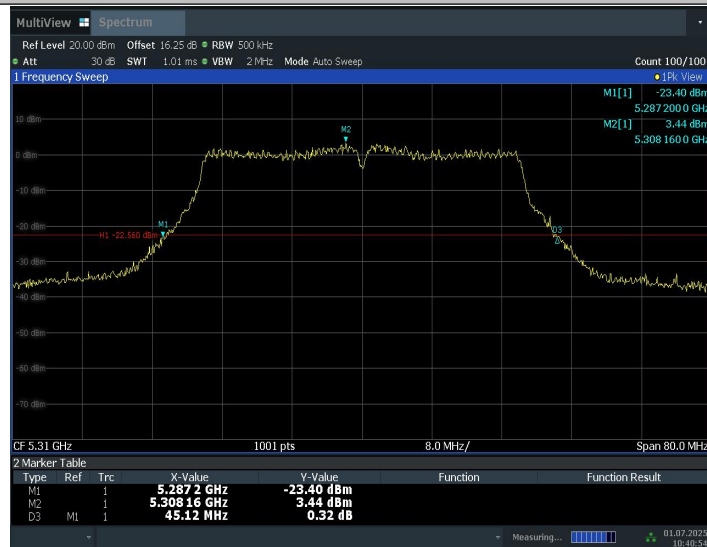
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11N40MIMO_CH1_5310



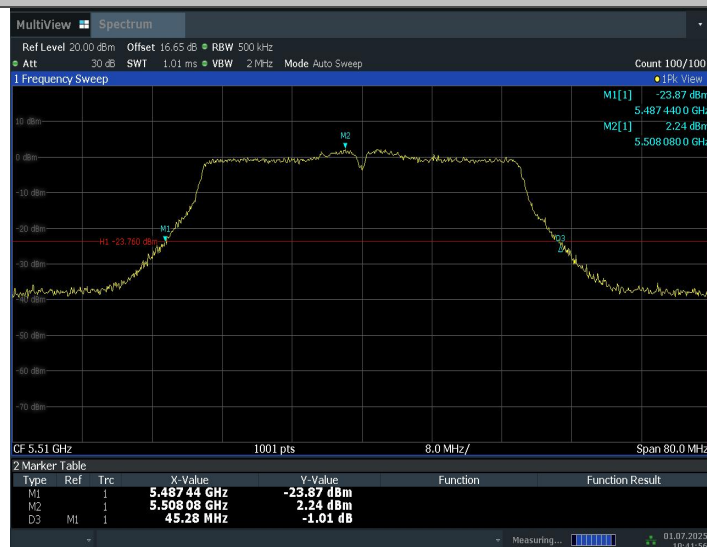
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11N40MIMO_CH2_5310



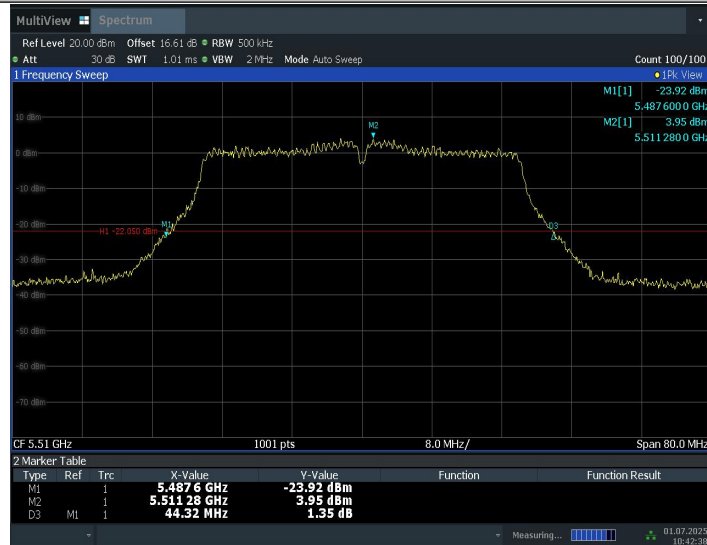
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11N40MIMO_CH1_5510



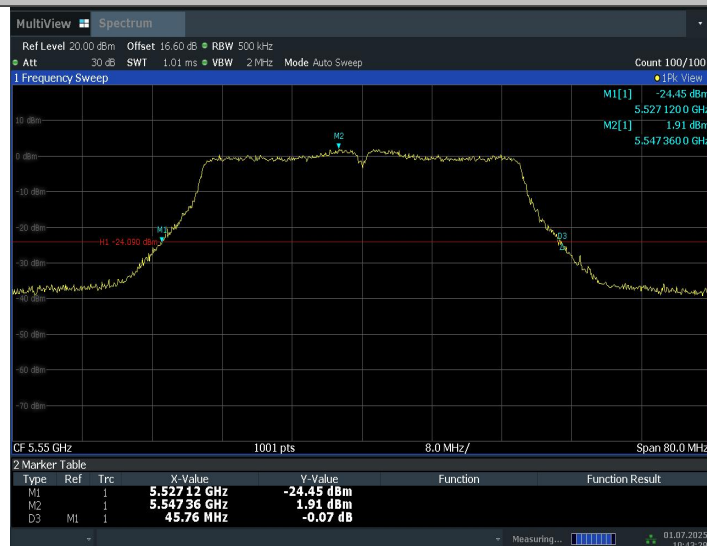
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11N40MIMO_CH2_5510



10:42:39 01.07.2025

11N40MIMO_CH1_5550



10:43:30 01.07.2025

11N40MIMO_CH2_5550



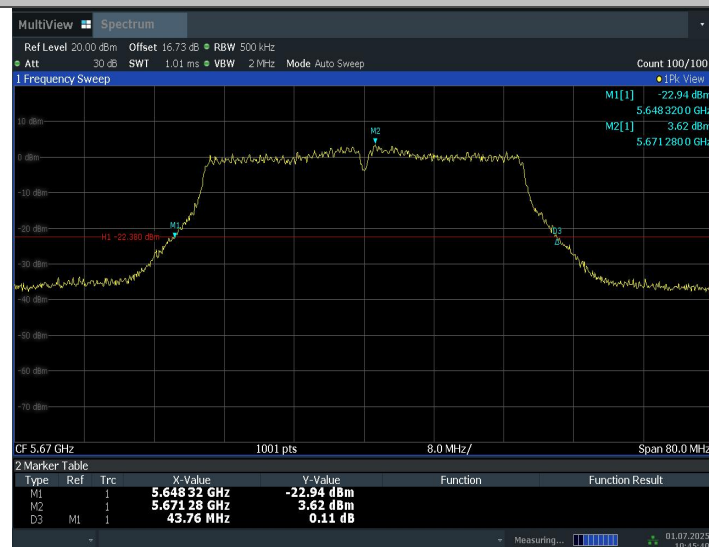
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11N40MIMO_CH1_5670



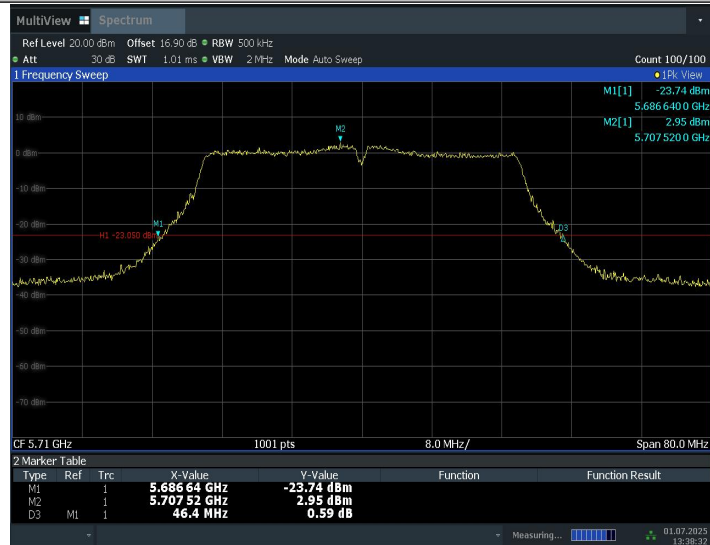
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11N40MIMO_CH2_5670



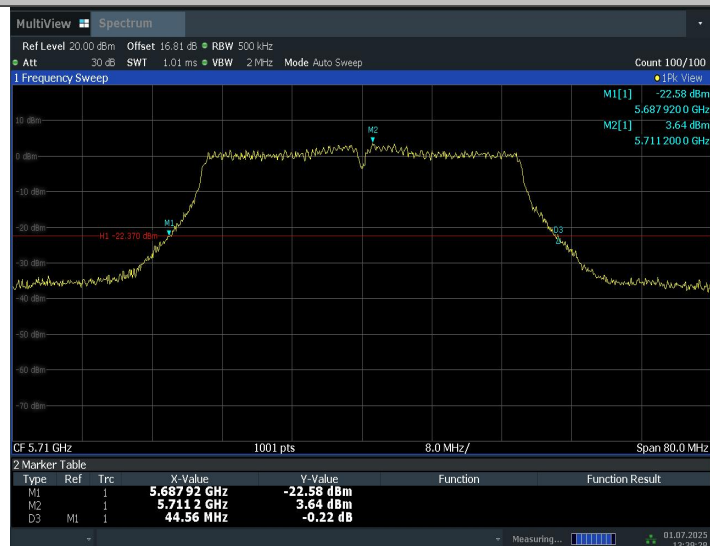
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11N40MIMO_CH1_5710



13:38:33 01.07.2025

11N40MIMO_CH2_5710



13:39:28 01.07.2025

11AC20MIMO_CH1_5180



10:46:40 01.07.2025

11AC20MIMO_CH2_5180



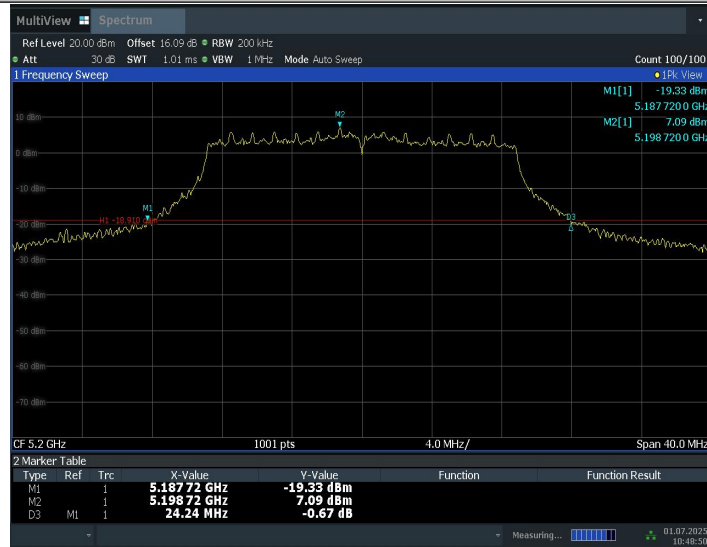
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11AC20MIMO_CH1_5200



10:48:09 01.07.2025

11AC20MIMO_CH2_5200



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11AC20MIMO_CH1_5240



10:49:50 01.07.2025

11AC20MIMO_CH2_5240



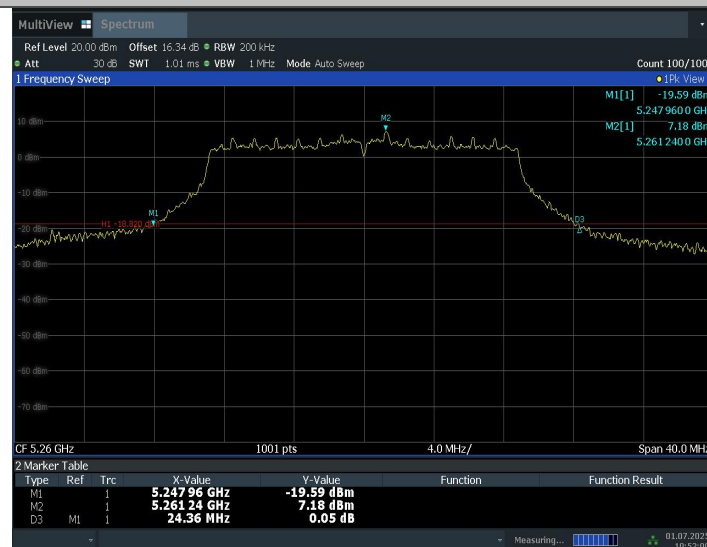
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11AC20MIMO_CH1_5260



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11AC20MIMO_CH2_5260



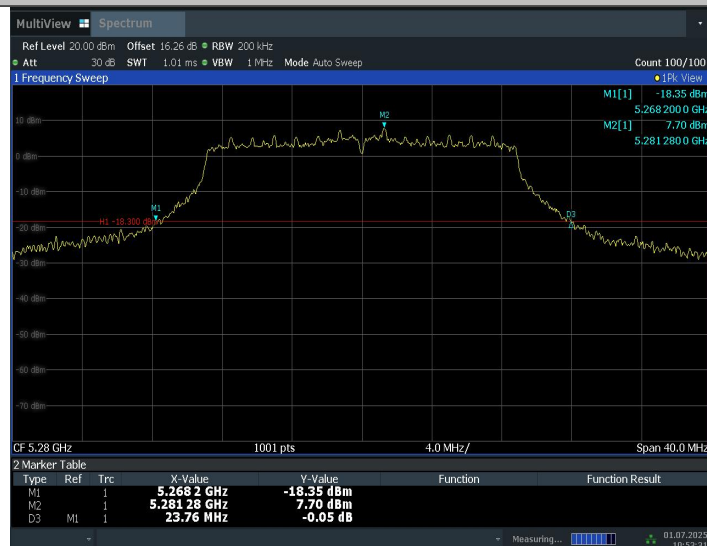
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11AC20MIMO_CH1_5280



10:52:49 01.07.2025

11AC20MIMO_CH2_5280



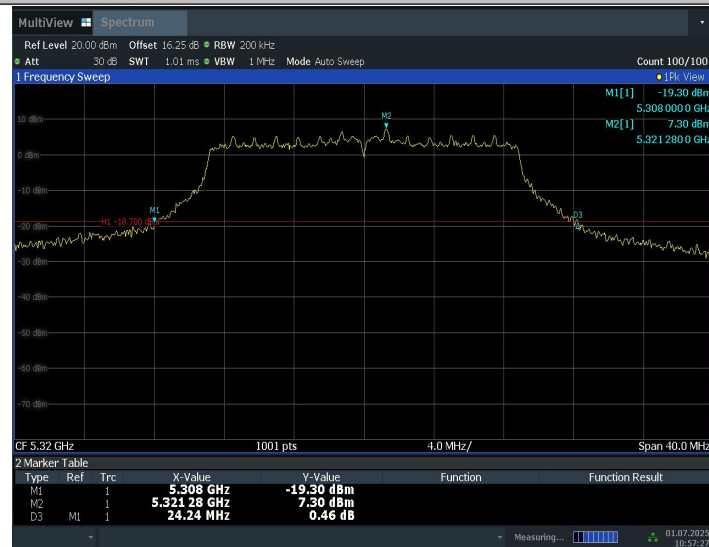
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11AC20MIMO_CH1_5320



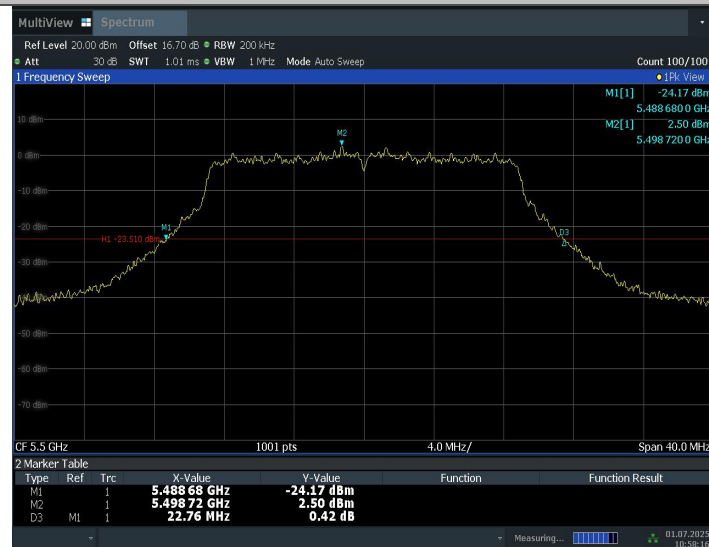
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11AC20MIMO_CH2_5320



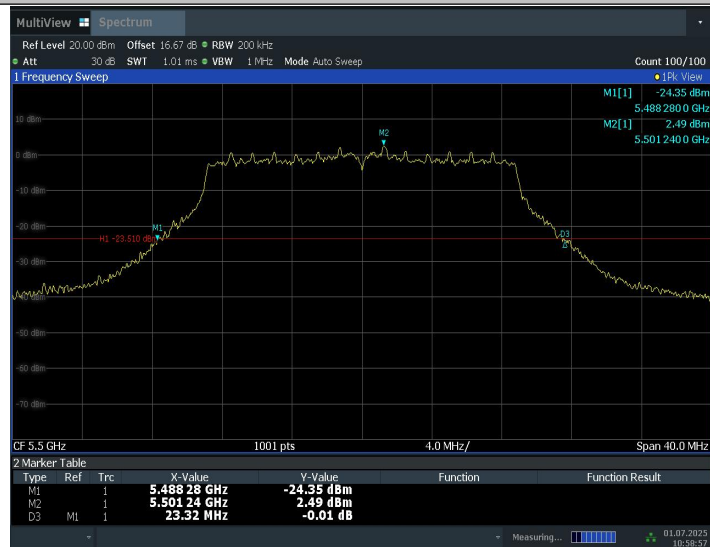
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11AC20MIMO_CH1_5500



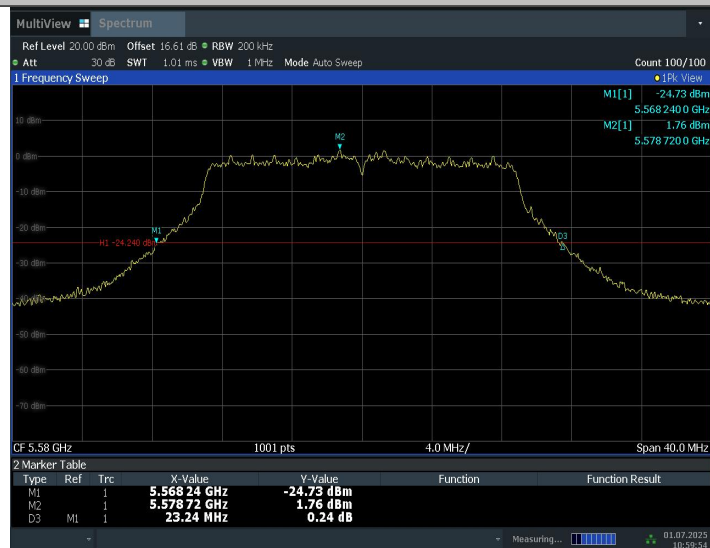
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11AC20MIMO_CH2_5500



10:58:58 01.07.2025

11AC20MIMO_CH1_5580



10:59:55 01.07.2025

11AC20MIMO_CH2_5580