

TEST REPORT

Product Name : Projector
Model Number : A02M21, A**M21 (“**” = 01-99, indicates for different market or business purposes)
FCC ID : 2BEGB-A02M21

Prepared for : Shenzhen Neutop Optoelectronics Co., Ltd.
Address : 502, BLDG 4, Pingshan minQi Technology Park, No. 65
Lishan Road, Pingshan Community, Taoyuan Street,
Nanshan District, Shenzhen, Guangdong, China

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2505300156W00504R
Date(s) of Tests : June 1, 2025 to July 3, 2025
Date of issue : July 5, 2025

1 TEST RESULT CERTIFICATION

Applicant : Shenzhen Neutop Optoelectronics Co., Ltd.


Address : 502, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

Manufacturer : Shenzhen Neutop Optoelectronics Co., Ltd.

Address : 502, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

EUT : Projector

Model Name : A02M21, A**M21 ("****" = 01-99, indicates for different market or business purposes)

Trademark : Aurzen, 


Measurement Procedure Used:

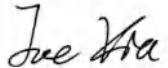
APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS
IC RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021) IC RSS-247 Issue 3(08-2023)	PASS


The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2, Part 15.407, IC RSS-247 Issue 3 and IC RSS-GEN, Issue 5.

The test results of this report relate only to the tested sample identified in this report.

Date of Test : June 1, 2025 to July 3, 2025

Prepared by : 
Una Yu /Editor

Reviewer : 
Joe Xia/Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2505300156W00504R	/	Original Report



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2 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Product:	Projector
Model Number:	A02M21, A**M21 (“**” = 01-99, indicates for different market or business purposes) (Note: All models are identical in circuitry and electrical, mechanical and physical construction; It is just that the number of laser light sources used by different models is not the same. Mode A02M21 was Chosen final test.)
Test Sample S/N:	N/A
Variant Number:	N/A
Wifi Type:	Wifi 5G with 5150MHz-5250MHz Band Wifi 5G with 5725MHz-5850MHz Band
WLAN Supported:	802.11a/n/ac
Data Rate :	802.11a: 54/48/36/24/12/9/6Mbps 802.11n: MCS0-MCS7 802.11ac: MCS0-MCS9
Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac
Frequency Range:	UNII-1: 5150MHz-5250MHz Band 5180-5240MHz for 802.11a/n(HT20)/ac(VHT20) 5190-5230MHz for 802.11n(HT40)/ac(VHT40) 5210MHz for 802.11ac(VHT80)
	UNII-3 with 5725MHz-5850MHz Band 5745-5825MHz for 802.11a/n(HT20)/ac(VHT20) 5755-5795MHz for 802.11n(HT40)/ac(VHT40) 5775MHz for 802.11ac(VHT80);
TPC Function:	Not Applicable
Antenna Port:	<input checked="" type="checkbox"/> Antenna port 1 <input checked="" type="checkbox"/> Antenna port 2
Antenna Type:	FPC Antenna
Antenna Gain:	<input checked="" type="checkbox"/> ANT 1: 6.86 dBi <input checked="" type="checkbox"/> ANT 2: 3.91 dBi (Note: The antenna information is provided by the customers, which will have a certain impact on the test results.)
Power Supply:	DC 21V from adapter
Adapter:	MODEL:Z72A210285US00 INPUT:100-240V~50/60Hz 1.5A Max

	OUTPUT:21.0V/2.85A 60.0W
Test Voltage:	AC 120V/60Hz
Temperature Range:	0°C ~ +35°C
Software Version:	RTMA.250416.029
Hardware Version:	V2
Note: 1.For more details, please refer to the User's manual of the EUT.	



3 SUMMARY OF TEST RESULT

FCC PartClause	IC Part Clause	Test Parameter	Verdict	Remark
15.407 (a) 15.407 (e) 2.1049	RSS-247, 6.2 RSS-Gen 6.7	99% , 6dB and 26dB Bandwidth	PASS	
15.407 (a)	RSS-247, 6.2	Maximum Conducted Output Power	PASS	
15.407 (a)	RSS-247, 6.2	PeakPower Spectral Density	PASS	
15.407 (b) 15.209 15.205	RSS-247, 6.2 RSS-Gen 8.9 RSS-Gen 8.10 RSS-Gen 6.13	RadiatedSpurious Emission	PASS	
15.207	RSS-Gen 8.8	Power Line Conducted Emission	PASS	
15.407(a) 15.203	RSS-Gen 6.8	Antenna Application	PASS	
NOTE1:N/A (Not Applicable) NOTE2:According to FCC OET KDB 789033, the report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.				

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID:2BEGB-A02M21** filing to comply with Section 15.407 of the FCC Part 15, Subpart C Rules.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart E

IC RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021)

IC RSS-247 Issue 3(08-2023)

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D2 General UNII Test Procedures New Rules v02r01

4.2 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESCI	101384	2025/5/9	1Year
AMN	Rohde & Schwarz	ENV216	101161	2025/5/9	1Year

For Spurious Emissions Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESU 26	100154	2025/5/9	1Year
Pre-Amplifier	Lunar EM	LNA30M3G-25	J10100000070	2025/5/9	1Year
Bilog Antenna	Schwarzbeck	VULB9163	661	2025/5/18	2 Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1177	2025/5/17	2 Year
Pre-Amplifier	SKET	LNPA_0118G-45	SK2019051801	2025/5/9	1Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2025/5/13	2 Year
Spectrum Analyzer	Rohde & Schwarz	FSV40	100967	2025/5/9	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2025/5/13	2 Year
Coaxial Cable	TIMES	NmNm-7-C15702	N/A	2025/5/9	1Year
Coaxial Cable	TIMES	HF290-NMSM-6.5M	N/A	2025/5/9	1Year
Coaxial Cable	TIMES	LMR-240 N-N	N/A	2025/5/9	1Year

For other test items:

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Signal Analyzer	Agilent	N9010A	MY53470879	2025/5/10	1Year
Vector Signal Generator	Agilent	N5182B	MY53050878	2025/5/10	1Year
Analog Signal Generator	Agilent	N5171B	MY53050553	2025/5/10	1Year
RF Control Unit(Power Meter)	Tonscend	JS0806-2	\	2025/5/10	1Year
Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2025/5/10	1Year

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (802.11a: 54 Mbps; 802.11n(HT20): MCS0; 802.11ac(VHT20): MCS0; 802.11n(HT40): MCS0; 802.11ac(VHT40): MCS0; 802.11ac(VHT80): MCS0;)were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

☒ Wifi 5G with U-NII - 1

Frequency and Channel list for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Frequency and Channel list for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230		

Frequency and Channel list for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210				

Test Frequency and Channel for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

Test Frequency and channel for 802.11n (HT40), 802.11ac (VHT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	N/A	N/A	46	5230

Test Frequency and channel for 802.11ac (VHT80):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	N/A	N/A	N/A	N/A

☒ Wifi 5G with U-NII -3

Frequency and Channel list for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825
153	5765	161	5805		

Frequency and Channel list for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795		

Frequency and Channel list for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775				

Test Frequency and Channel for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825

Test Frequency and channel for 802.11n (HT40), 802.11ac (VHT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	N/A	N/A	159	5795

Test Frequency and channel for 802.11ac (VHT80):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775				

Multi-antenna correlation:

<input checked="" type="checkbox"/>	Transmit Signals are Correlated
	Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi
<input type="checkbox"/>	All Transmit Signals are Completely Uncorrelated
	Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$ dBi

Directional gain = $10 \log [(10^{6.86/20} + 10^{3.91/20})^2/2]$ dBi=8.52 dBi

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

EMTEK (Shenzhen) Co., Ltd.

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

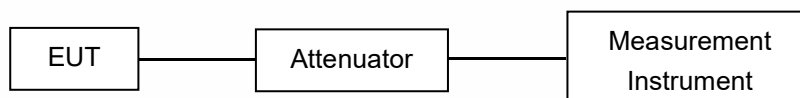
Test Parameter	Measurement Uncertainty
Frequency error	$\pm 20\text{Hz}$
Occupied Bandwidth	$\pm 0.5\text{KHz}$
Transmitter output power	$\pm 0.6\text{dB}$
Conducted spurious emissions	$\pm 3.2\text{dB}$
Radiated spurious emissions	$\pm 4.5\text{dB}$
Temperature	$\pm 1.2^{\circ}\text{C}$
Humidity	$\pm 3\%$
DC voltages	$\pm 0.25\text{V}$
Time	$\pm 1\%$

Measurement Uncertainty for a level of Confidence of 95%

7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

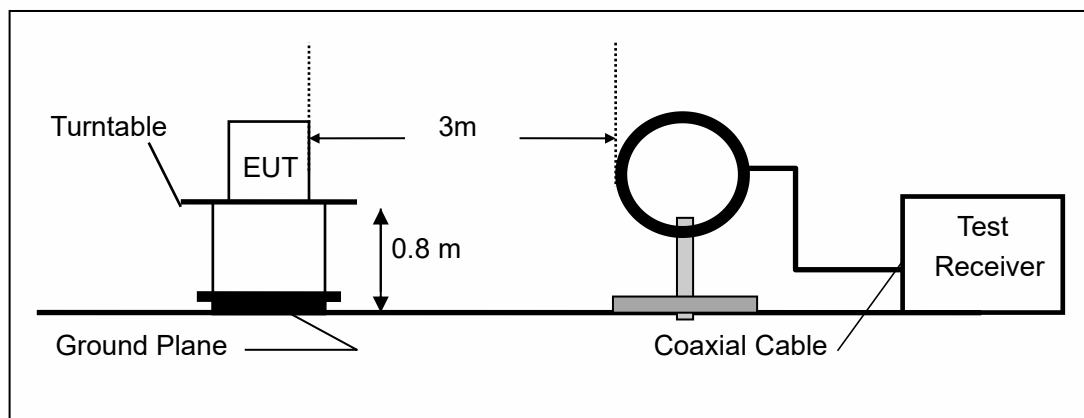
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

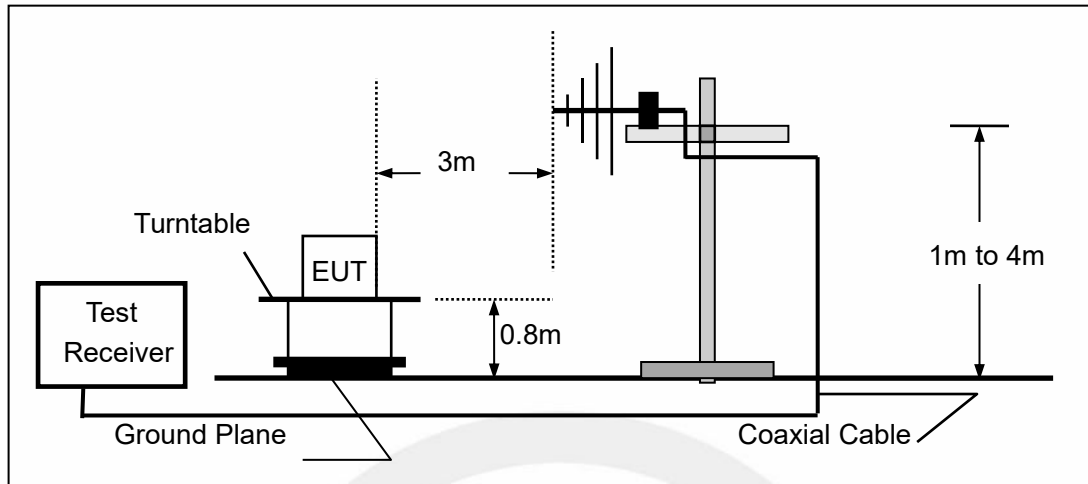
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

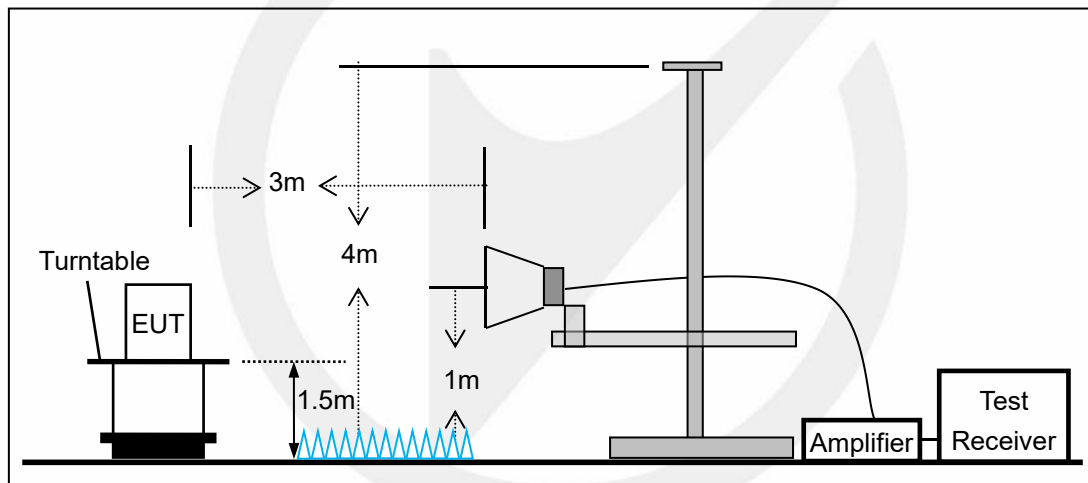
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

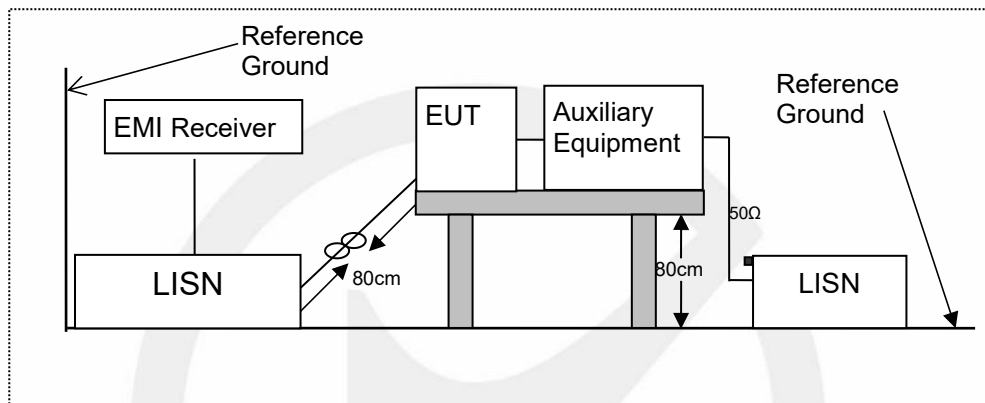


7.3 CONDUCTED EMISSION TEST SETUP

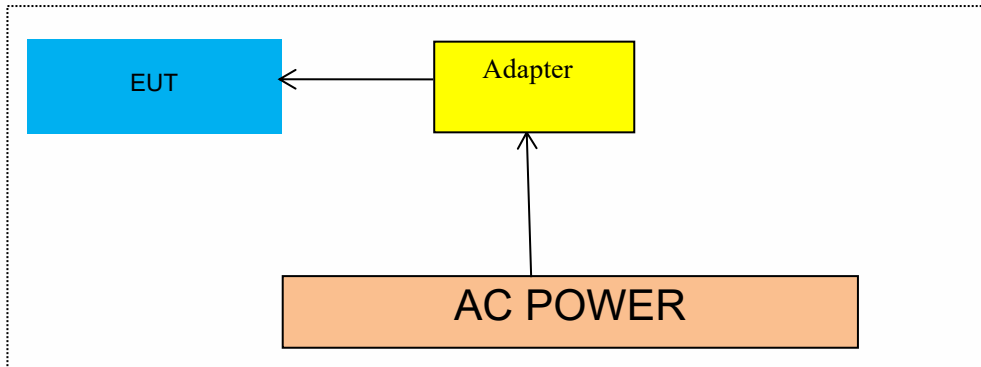
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 BANDWIDTH MEASUREMENT

8.1.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
 According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
 According to FCC Part 15.407(a)(3) for UNII Band III
 According to FCC Part 15.407(e) for UNII Band III
 According to 789033 D02 Section II(C)
 According to 789033 D02 Section II(D)
 According to RSS-Gen6.6, RSS 247, 6.2

8.1.2 Conformance Limit

The 26dB bandwidth is used to determine the conducted power limits.
 Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup

8.1.4 Test Procedure

According to 789033 D02 v02r01 section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- 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.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v01r02 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E.

However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. 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.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. 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% occupied bandwidth is the difference between these two frequencies.



8.1.5 Test Results

Temperature:	25°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

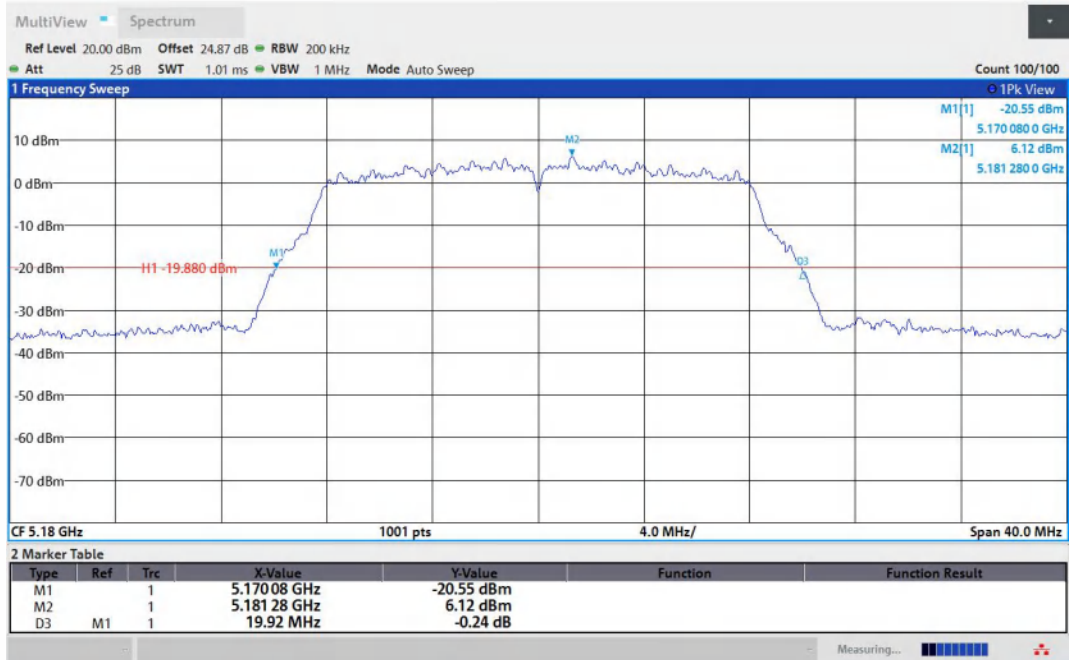
Note: N/A

Emission Bandwidth

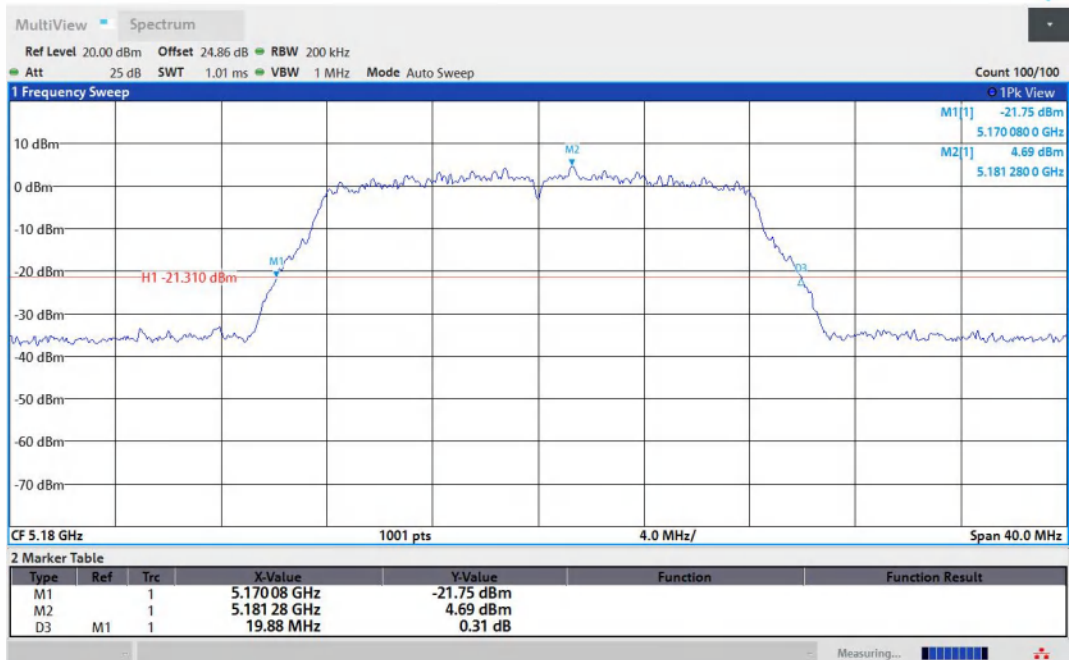
TestMode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.92	5170.08	5190.00	---	---
11A	Ant2	5180	19.88	5170.08	5189.96	---	---
11A	Ant1	5200	20.08	5189.92	5210.00	---	---
11A	Ant2	5200	20.00	5190.00	5210.00	---	---
11A	Ant1	5240	20.16	5229.84	5250.00	---	---
11A	Ant2	5240	19.92	5230.08	5250.00	---	---
11A	Ant1	5745	20.24	5734.92	5755.16	---	---
11A	Ant2	5745	20.40	5734.76	5755.16	---	---
11A	Ant1	5785	20.00	5774.96	5794.96	---	---
11A	Ant2	5785	20.20	5774.80	5795.00	---	---
11A	Ant1	5825	20.28	5814.80	5835.08	---	---
11A	Ant2	5825	19.92	5815.08	5835.00	---	---
11N20MIMO	Ant1	5180	20.20	5169.96	5190.16	---	---
11N20MIMO	Ant2	5180	19.96	5170.08	5190.04	---	---
11N20MIMO	Ant1	5200	20.12	5189.96	5210.08	---	---
11N20MIMO	Ant2	5200	19.96	5190.04	5210.00	---	---
11N20MIMO	Ant1	5240	20.16	5229.96	5250.12	---	---
11N20MIMO	Ant2	5240	20.00	5230.04	5250.04	---	---
11N20MIMO	Ant1	5745	20.24	5734.92	5755.16	---	---
11N20MIMO	Ant2	5745	20.04	5735.04	5755.08	---	---
11N20MIMO	Ant1	5785	20.28	5774.88	5795.16	---	---
11N20MIMO	Ant2	5785	20.00	5775.04	5795.04	---	---
11N20MIMO	Ant1	5825	20.20	5814.96	5835.16	---	---
11N20MIMO	Ant2	5825	20.00	5815.04	5835.04	---	---
11N40MIMO	Ant1	5190	41.52	5169.28	5210.80	---	---
11N40MIMO	Ant2	5190	40.48	5169.84	5210.32	---	---
11N40MIMO	Ant1	5230	41.68	5209.12	5250.80	---	---
11N40MIMO	Ant2	5230	40.48	5209.76	5250.24	---	---
11N40MIMO	Ant1	5755	42.72	5733.88	5776.60	---	---
11N40MIMO	Ant2	5755	40.24	5734.92	5775.16	---	---
11N40MIMO	Ant1	5795	41.04	5774.52	5815.56	---	---
11N40MIMO	Ant2	5795	40.24	5774.92	5815.16	---	---
11AC20MIMO	Ant1	5180	20.08	5170.00	5190.08	---	---
11AC20MIMO	Ant2	5180	19.84	5170.12	5189.96	---	---
11AC20MIMO	Ant1	5200	20.04	5190.00	5210.04	---	---
11AC20MIMO	Ant2	5200	19.92	5190.12	5210.04	---	---
11AC20MIMO	Ant1	5240	20.12	5229.96	5250.08	---	---
11AC20MIMO	Ant2	5240	19.96	5230.04	5250.00	---	---
11AC20MIMO	Ant1	5745	20.12	5735.00	5755.12	---	---
11AC20MIMO	Ant2	5745	19.92	5735.16	5755.08	---	---
11AC20MIMO	Ant1	5785	20.12	5774.96	5795.08	---	---
11AC20MIMO	Ant2	5785	19.88	5775.12	5795.00	---	---
11AC20MIMO	Ant1	5825	20.12	5815.00	5835.12	---	---

11AC20MIMO	Ant2	5825	19.88	5815.12	5835.00	---	---
11AC40MIMO	Ant1	5190	40.80	5169.68	5210.48	---	---
11AC40MIMO	Ant2	5190	40.48	5169.92	5210.40	---	---
11AC40MIMO	Ant1	5230	41.04	5209.36	5250.40	---	---
11AC40MIMO	Ant2	5230	40.16	5209.92	5250.08	---	---
11AC40MIMO	Ant1	5755	40.96	5734.68	5775.64	---	---
11AC40MIMO	Ant2	5755	40.24	5734.92	5775.16	---	---
11AC40MIMO	Ant1	5795	41.12	5774.52	5815.64	---	---
11AC40MIMO	Ant2	5795	40.24	5774.84	5815.08	---	---
11AC80MIMO	Ant1	5210	82.08	5169.04	5251.12	---	---
11AC80MIMO	Ant2	5210	80.48	5169.84	5250.32	---	---
11AC80MIMO	Ant1	5775	82.08	5734.04	5816.12	---	---
11AC80MIMO	Ant2	5775	80.48	5734.84	5815.32	---	---

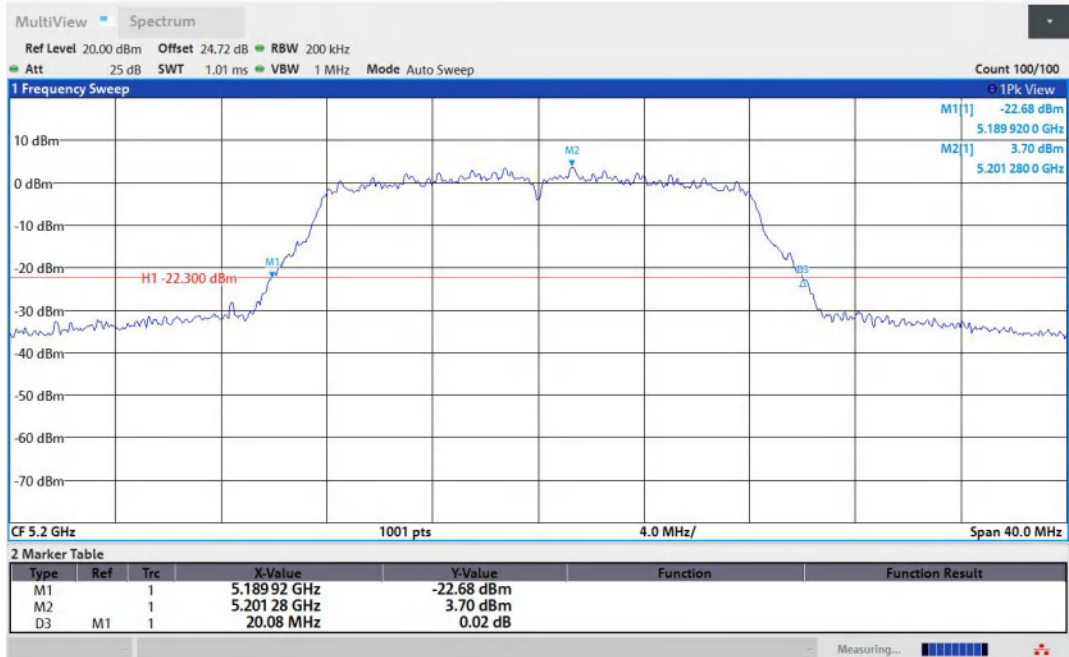




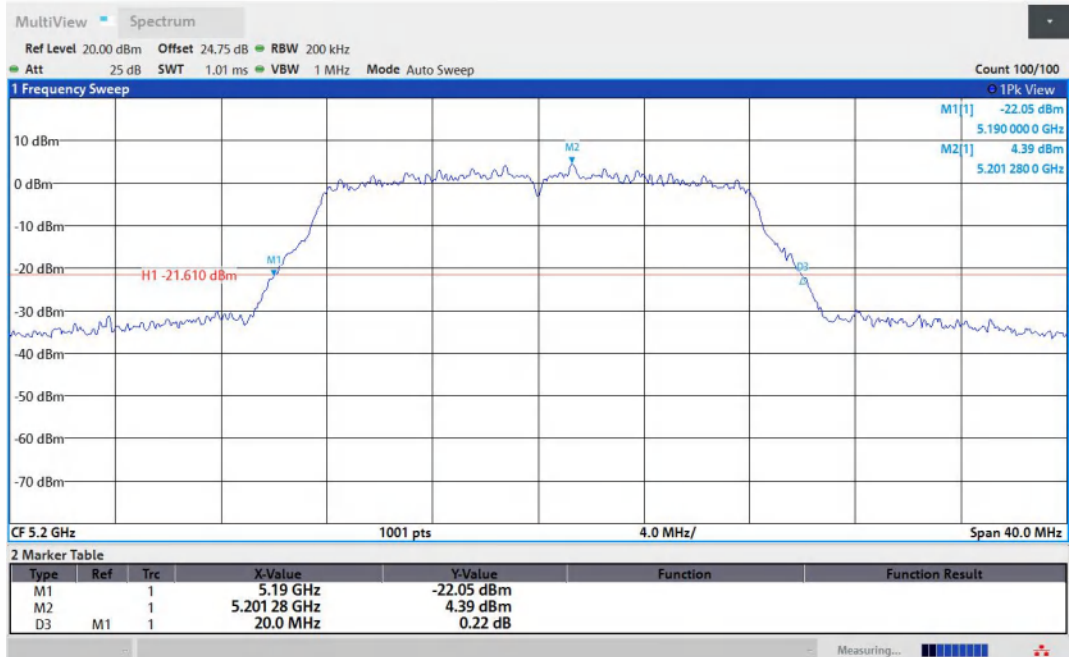
11A-Ant1-5180



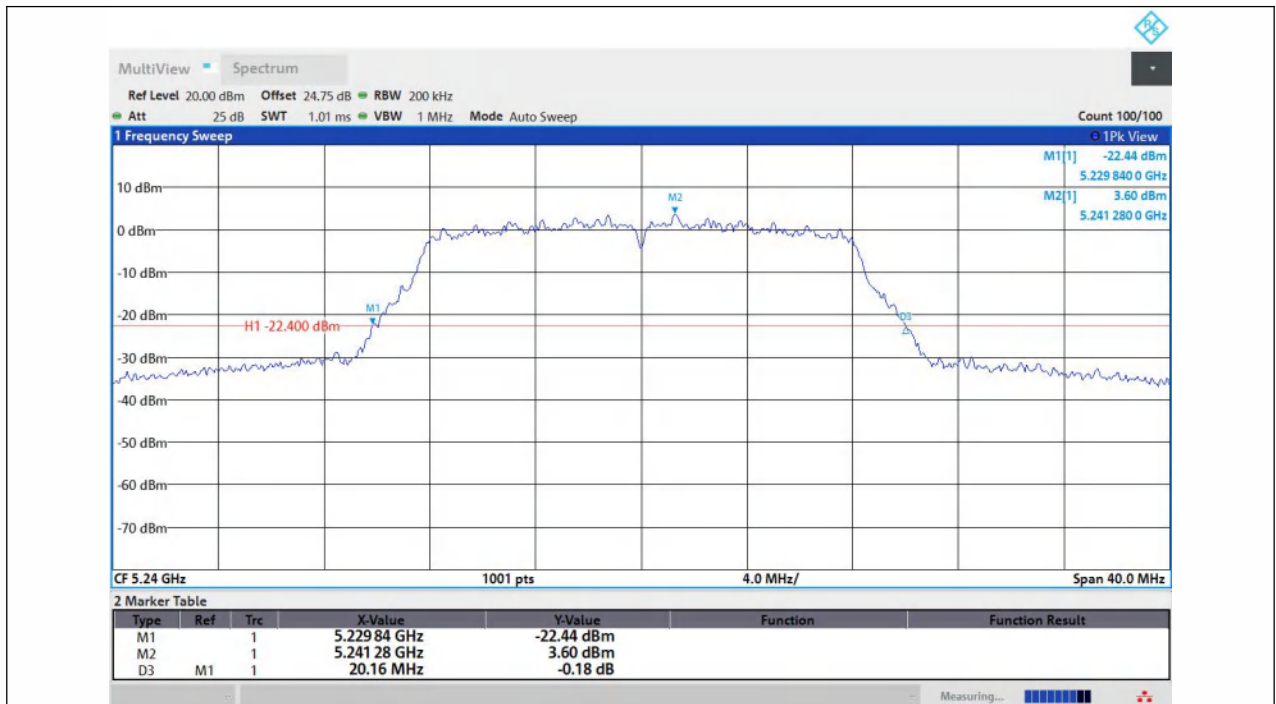
11A-Ant2-5180



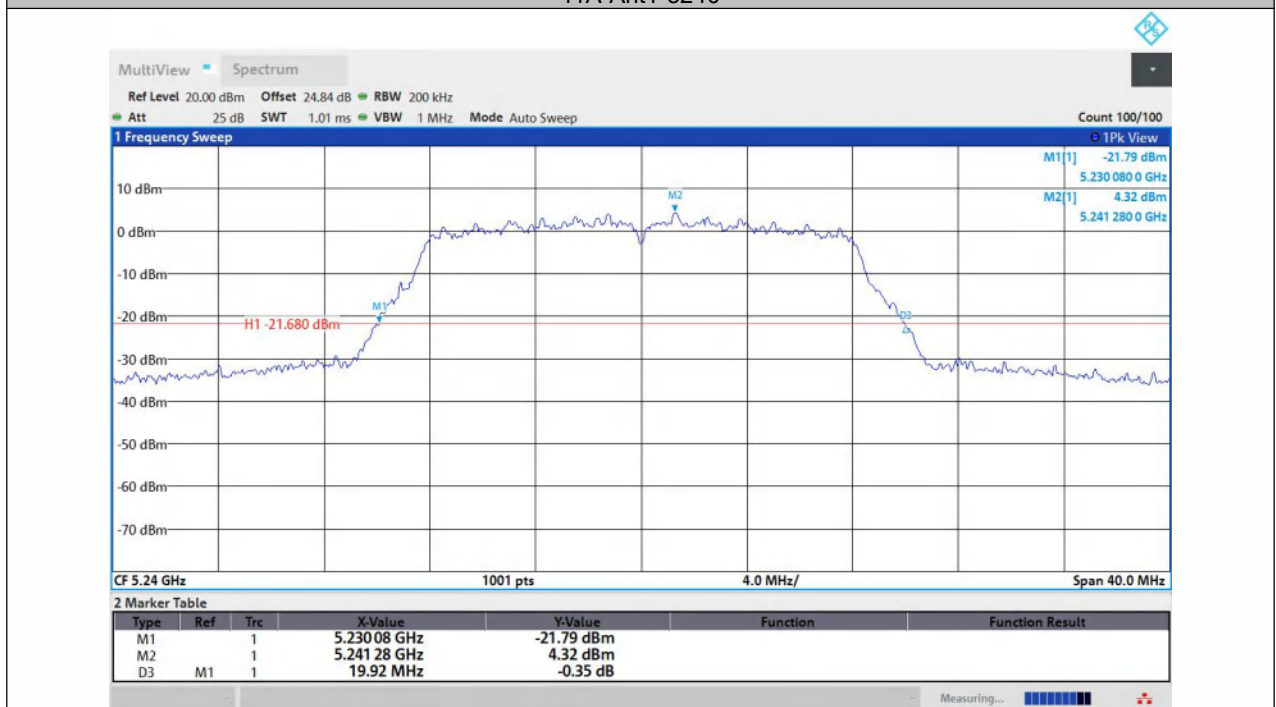
11A-Ant1-5200



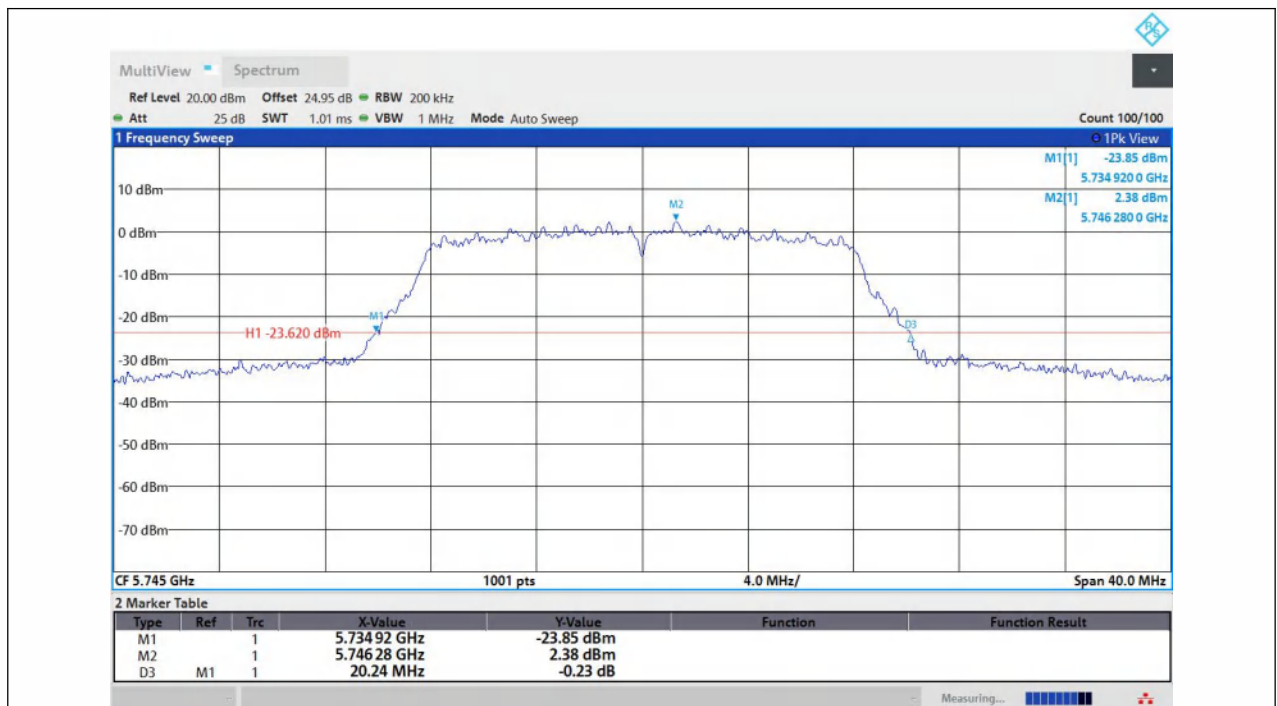
11A-Ant2-5200



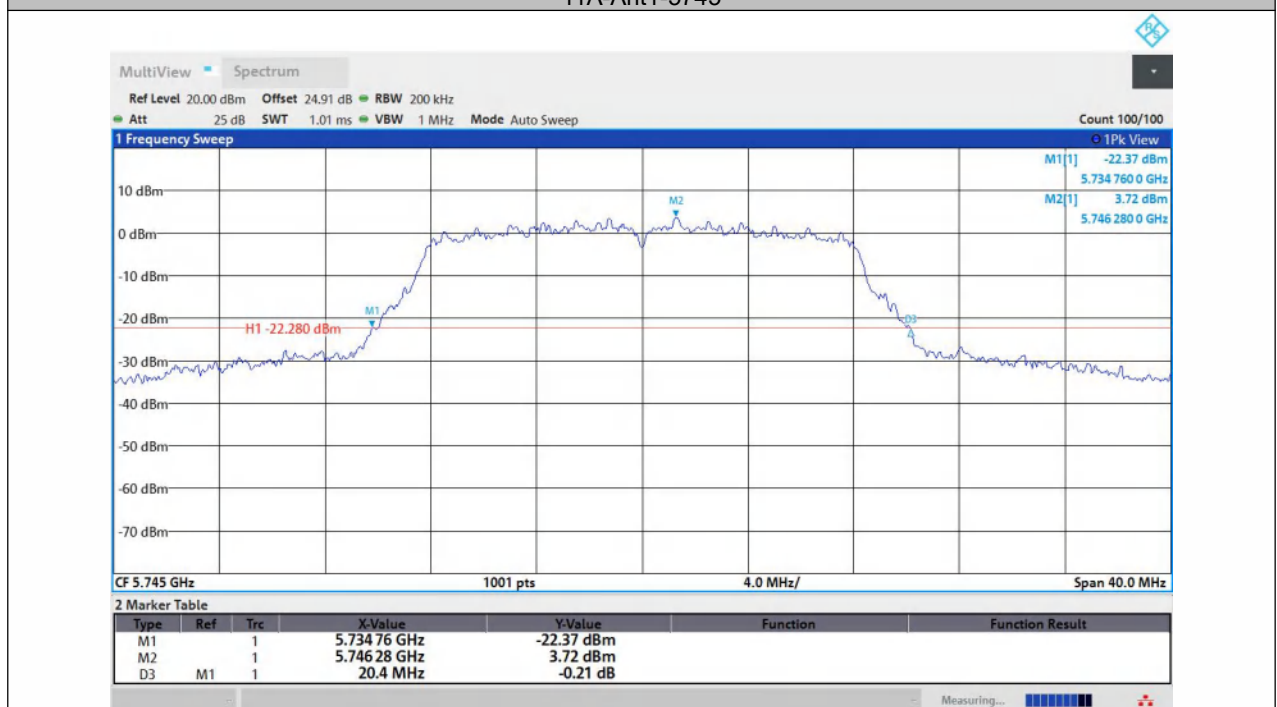
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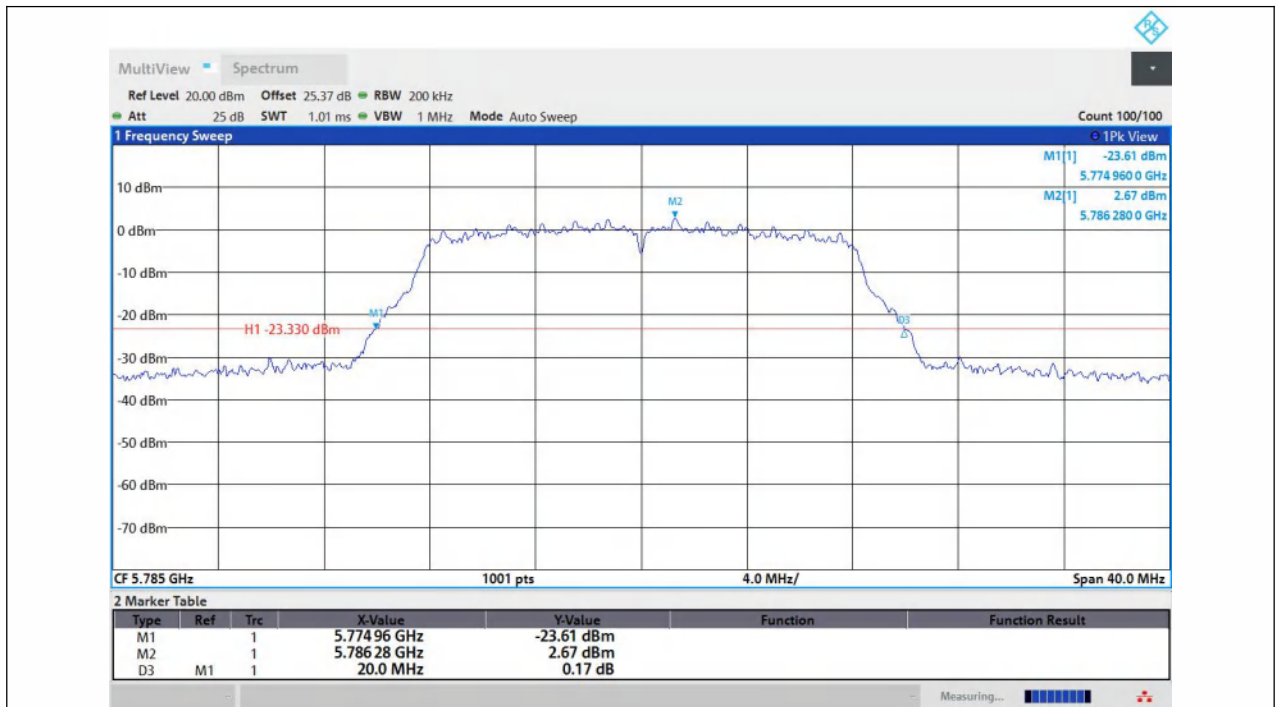
11A-Ant2-5240



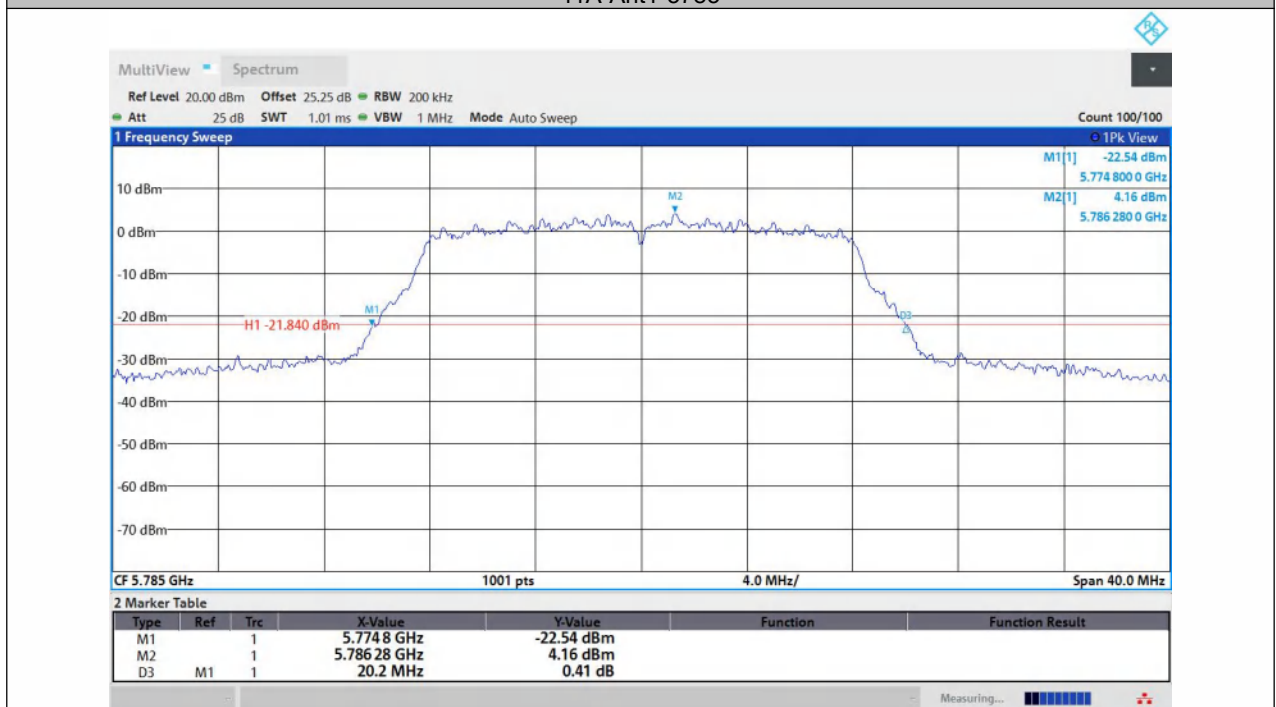
11A-Ant1-5745



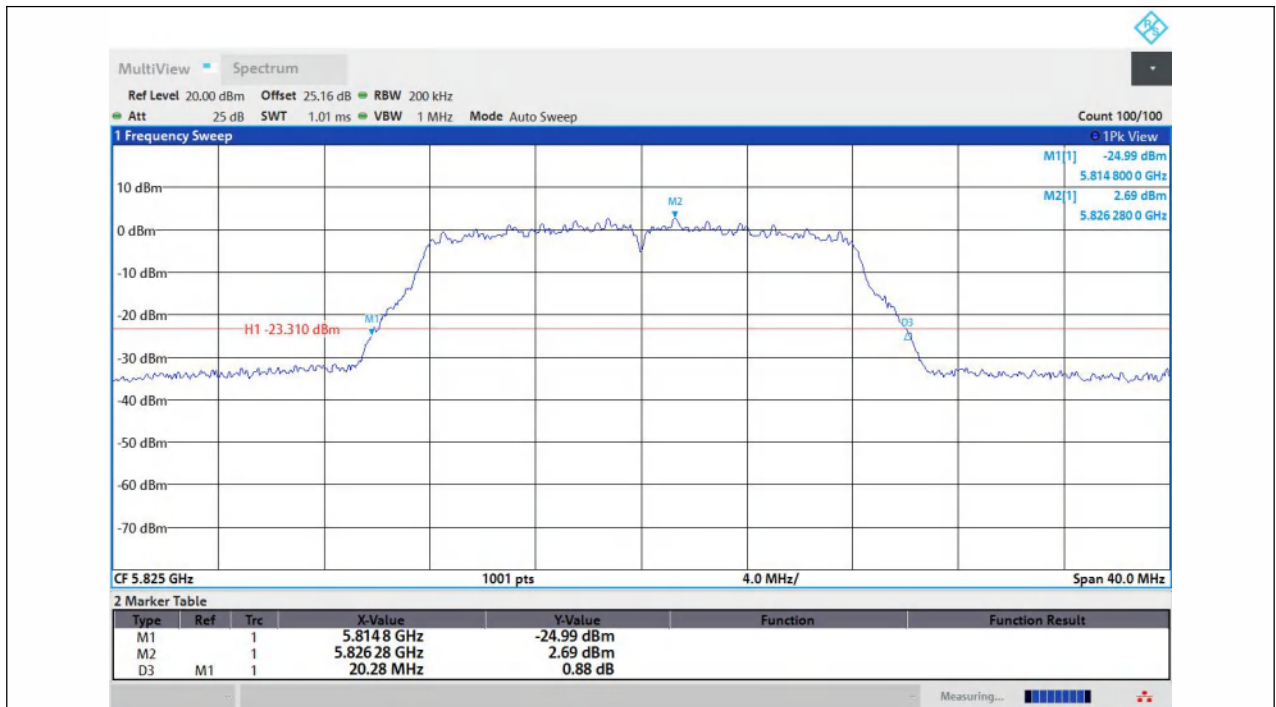
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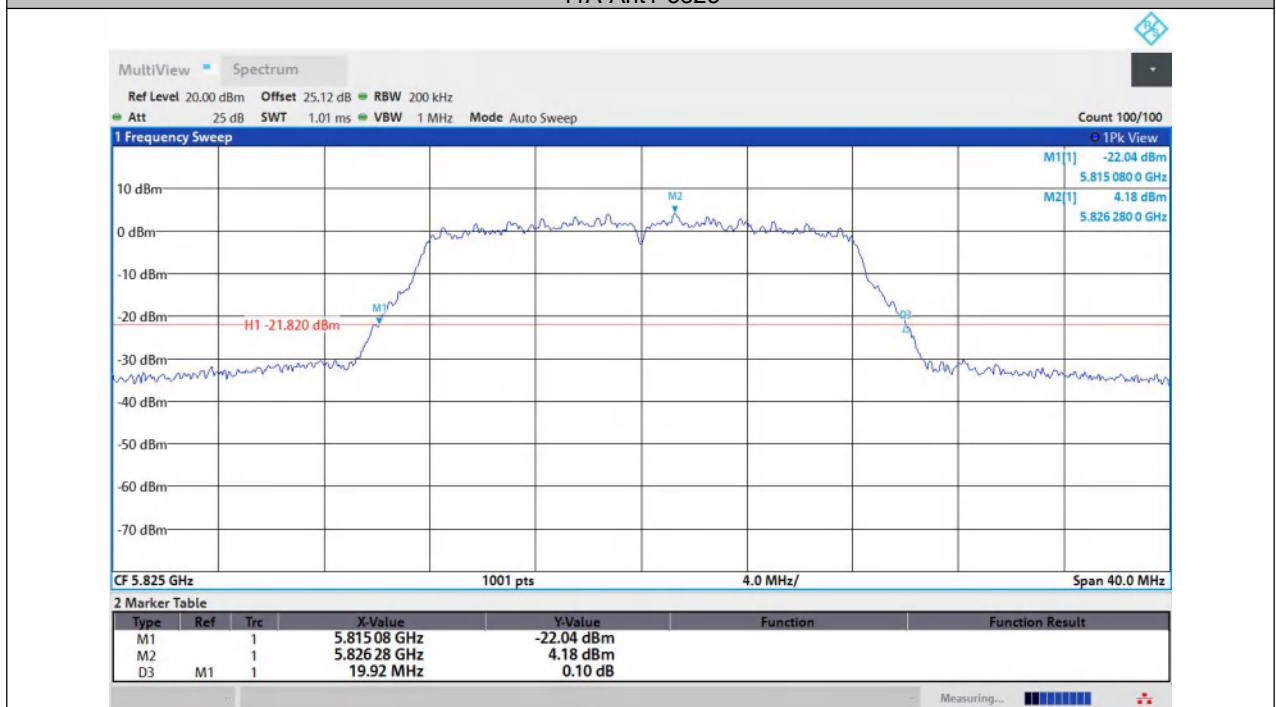
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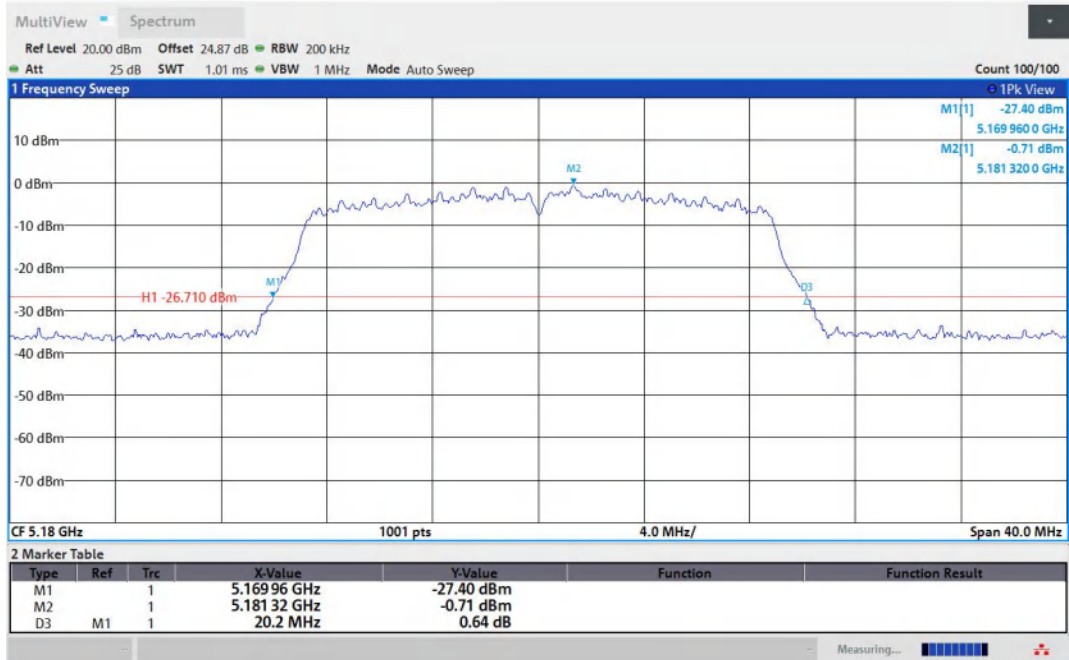
11A-Ant2-5785



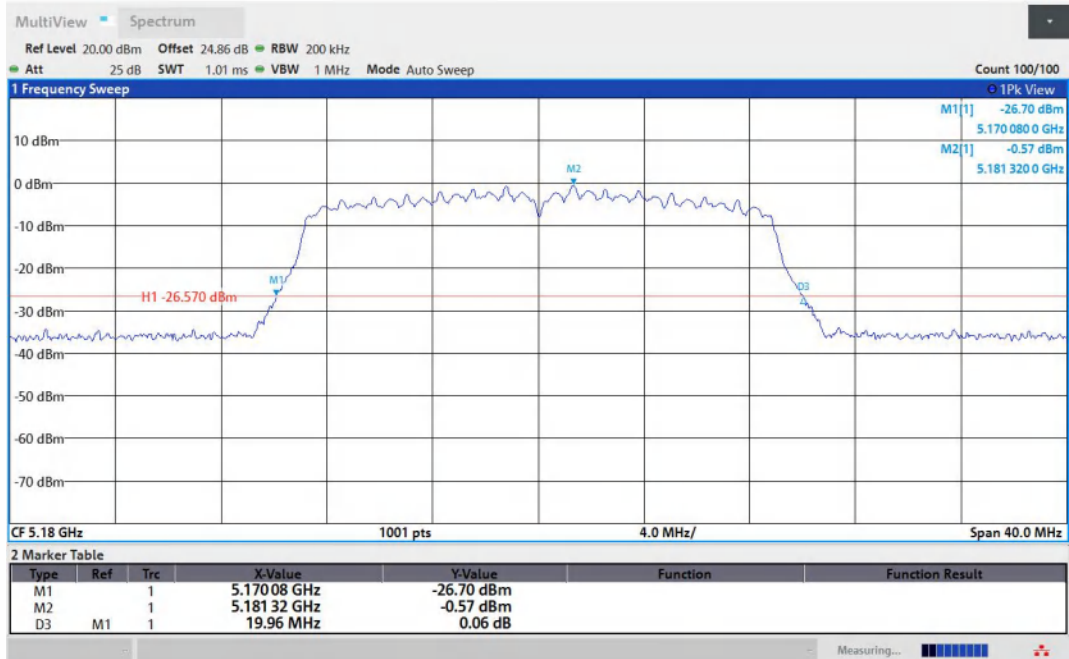
11A-Ant1-5825



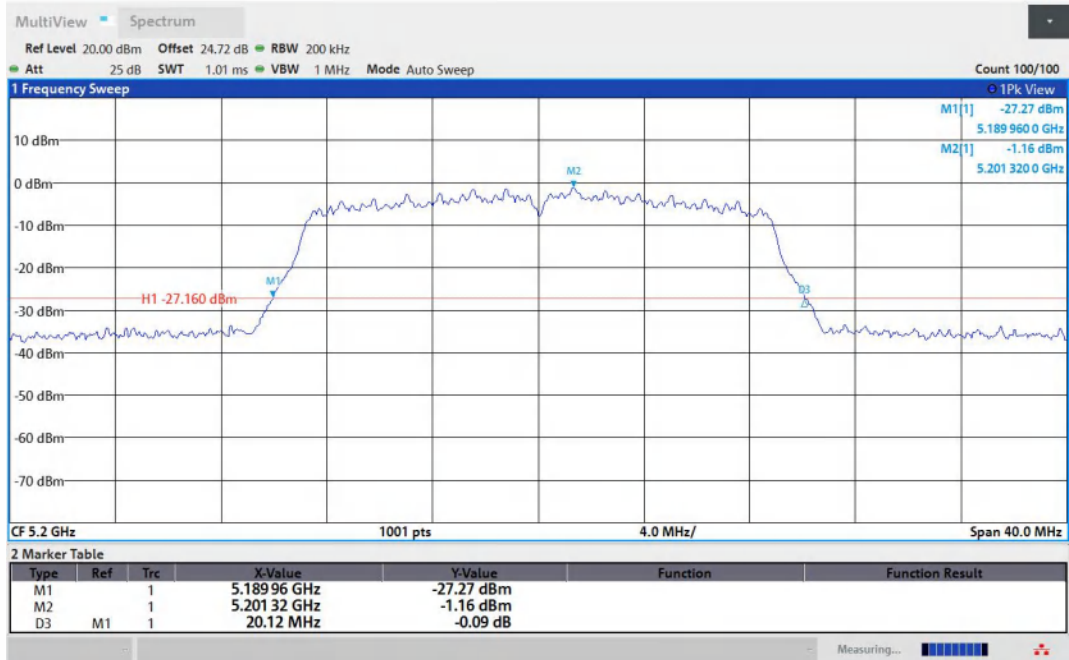
11A-Ant2-5825



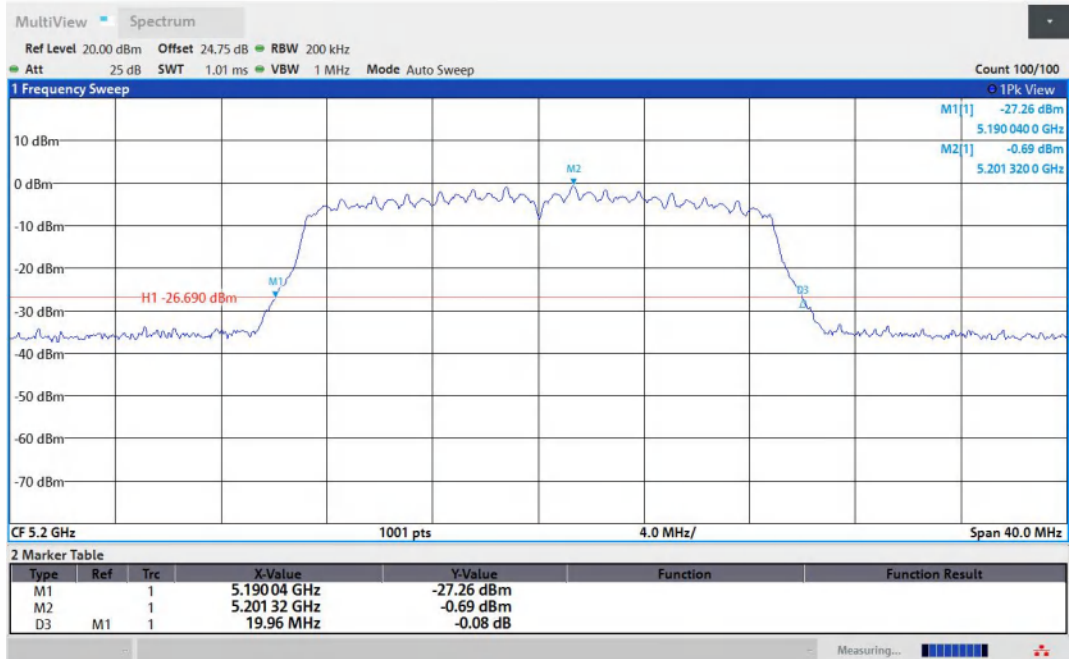
11N20MIMO-Ant1-5180



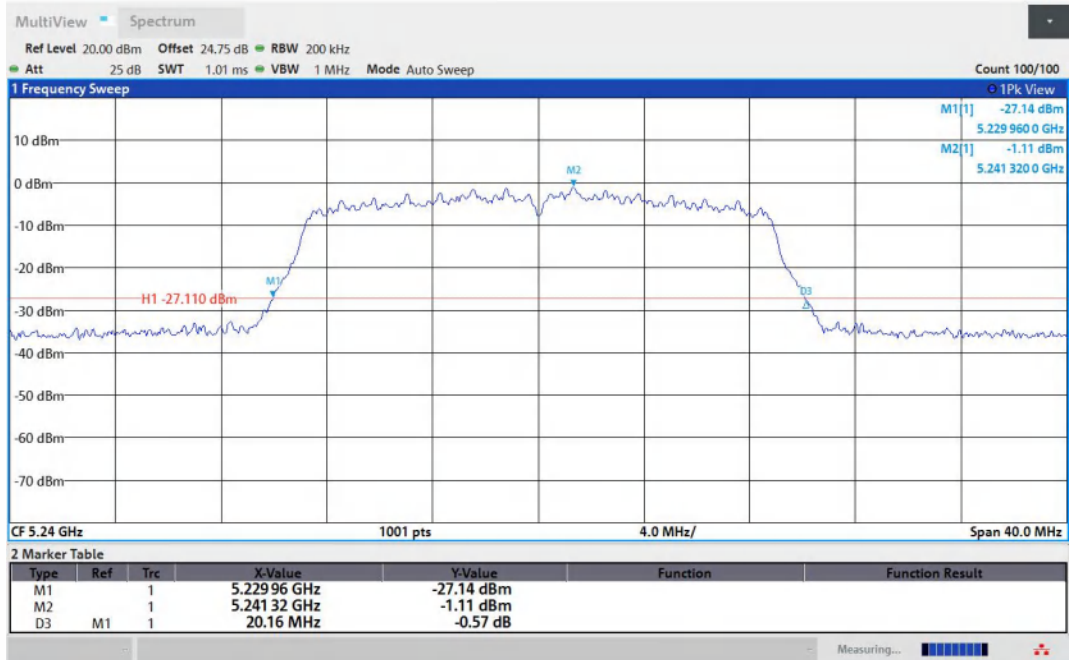
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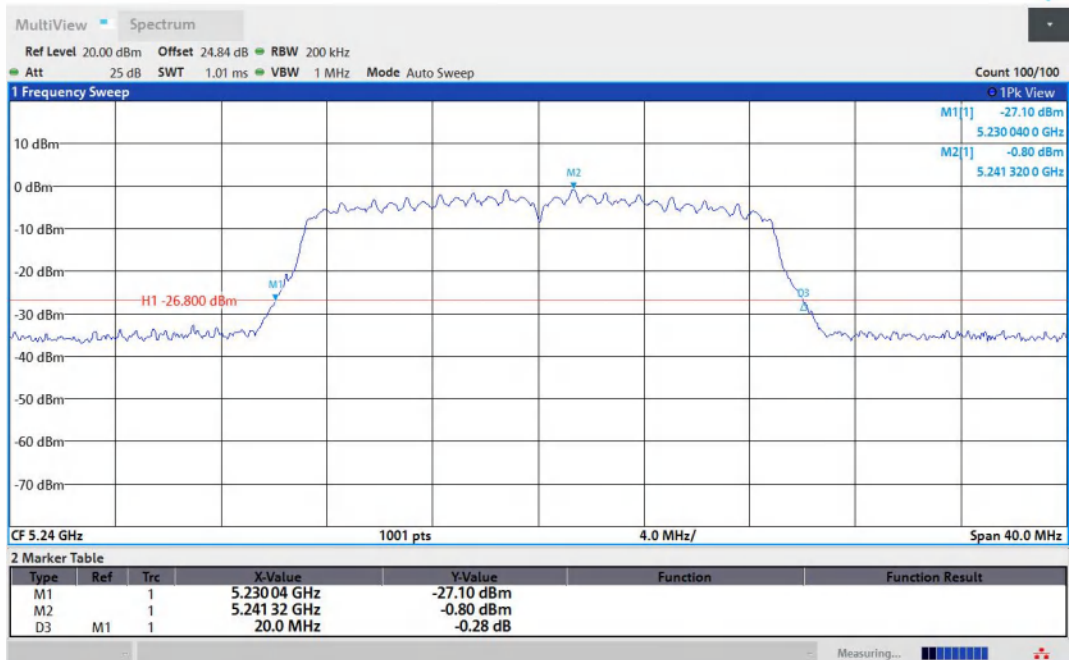
11N20MIMO-Ant1-5200



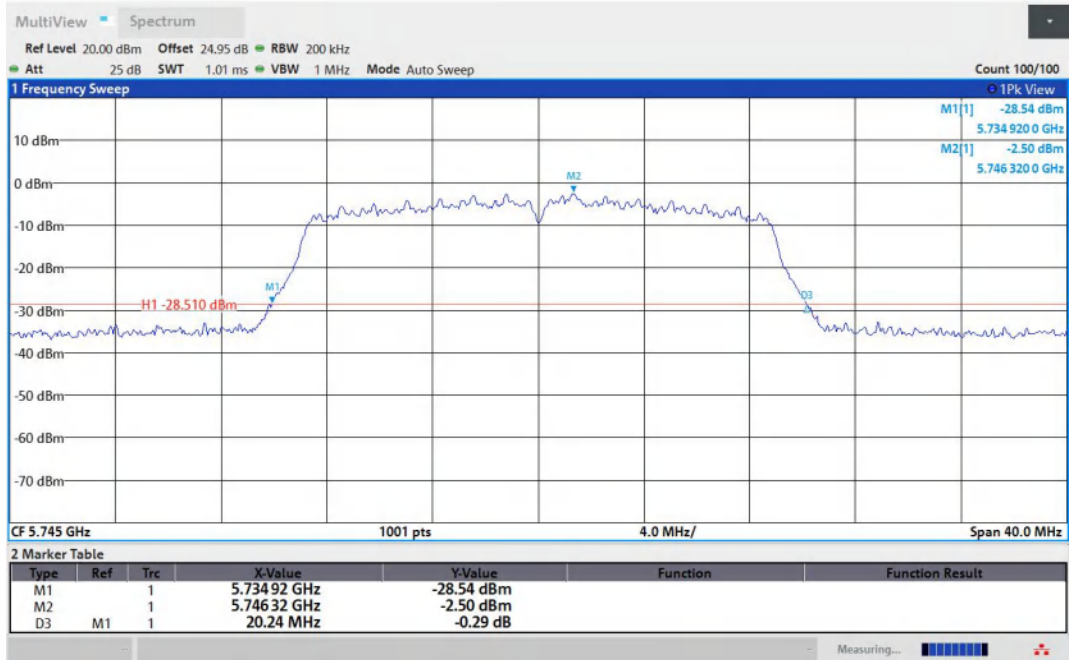
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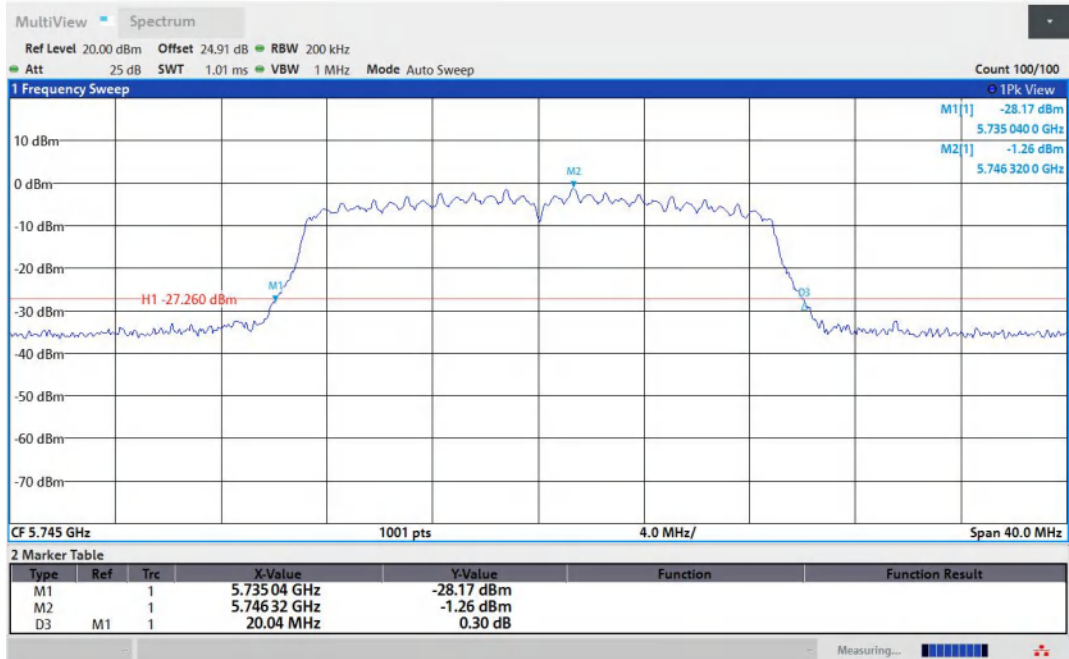
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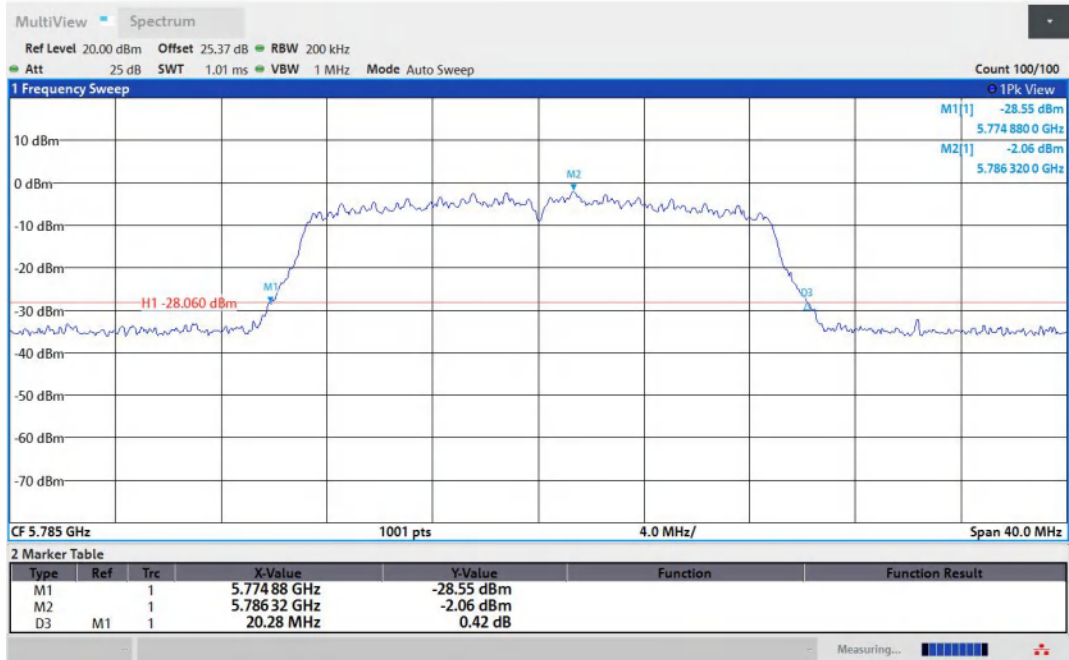
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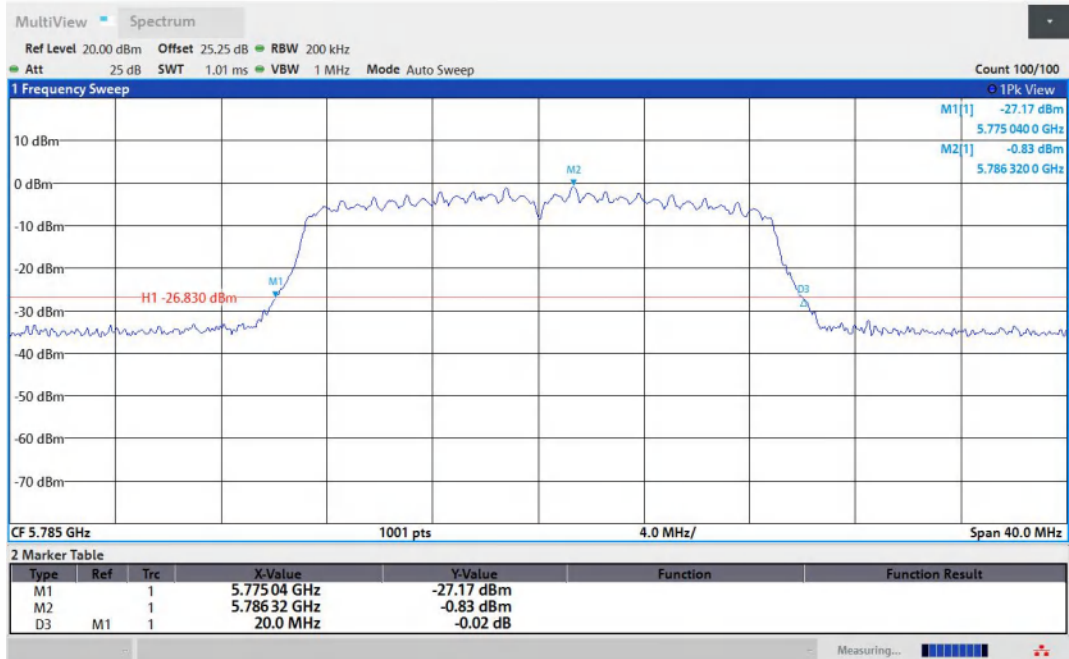
11N20MIMO-Ant1-5745



11N20MIMO-Ant2-5745

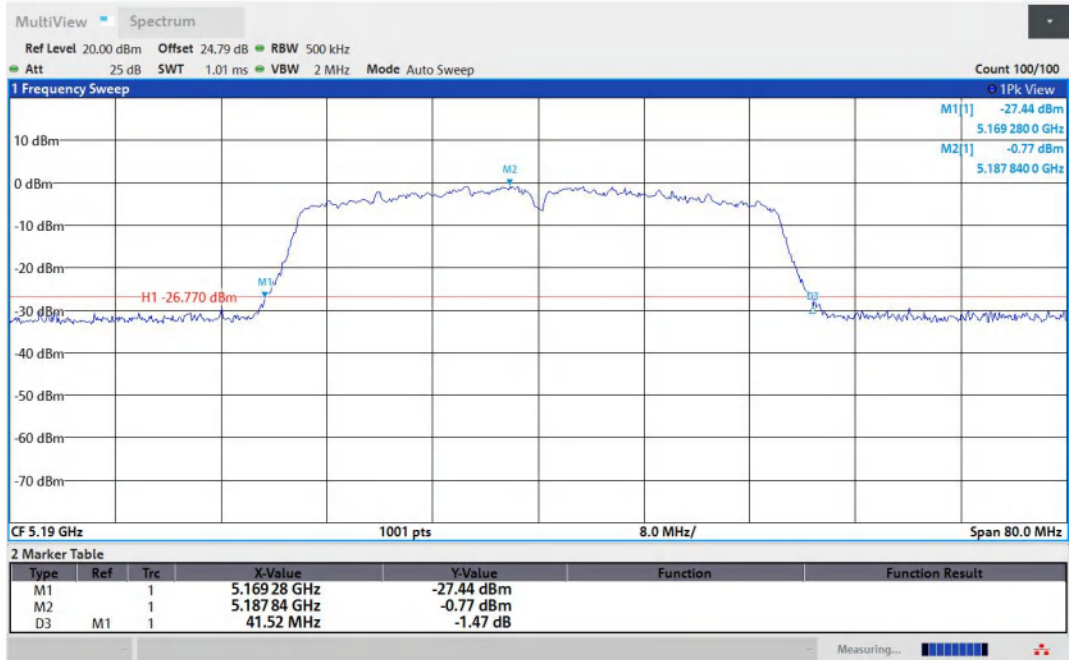


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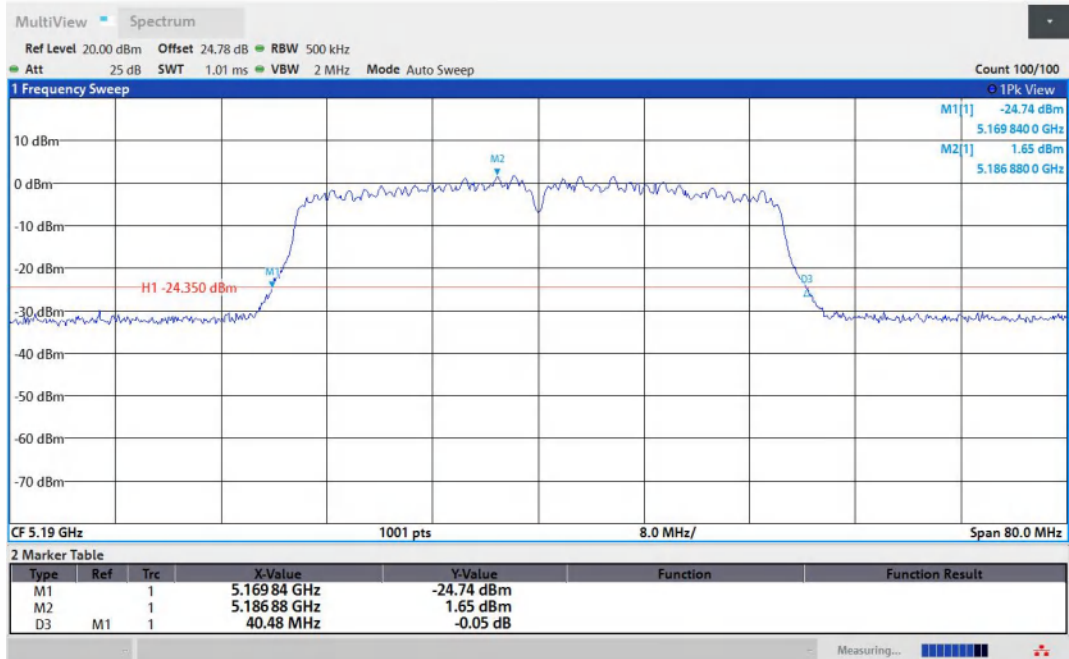


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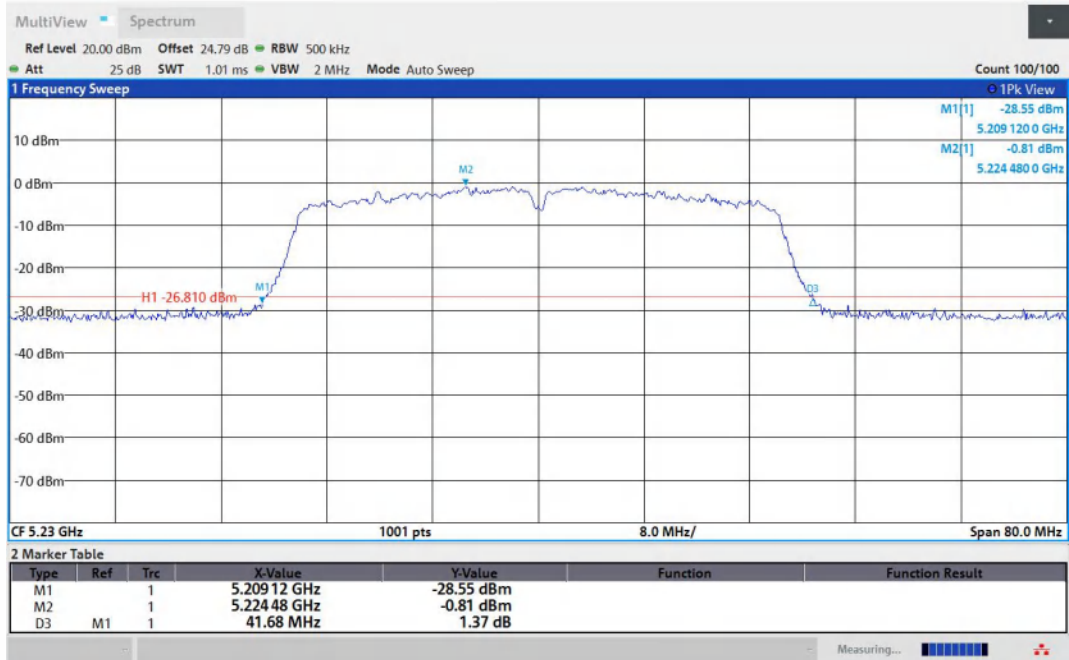




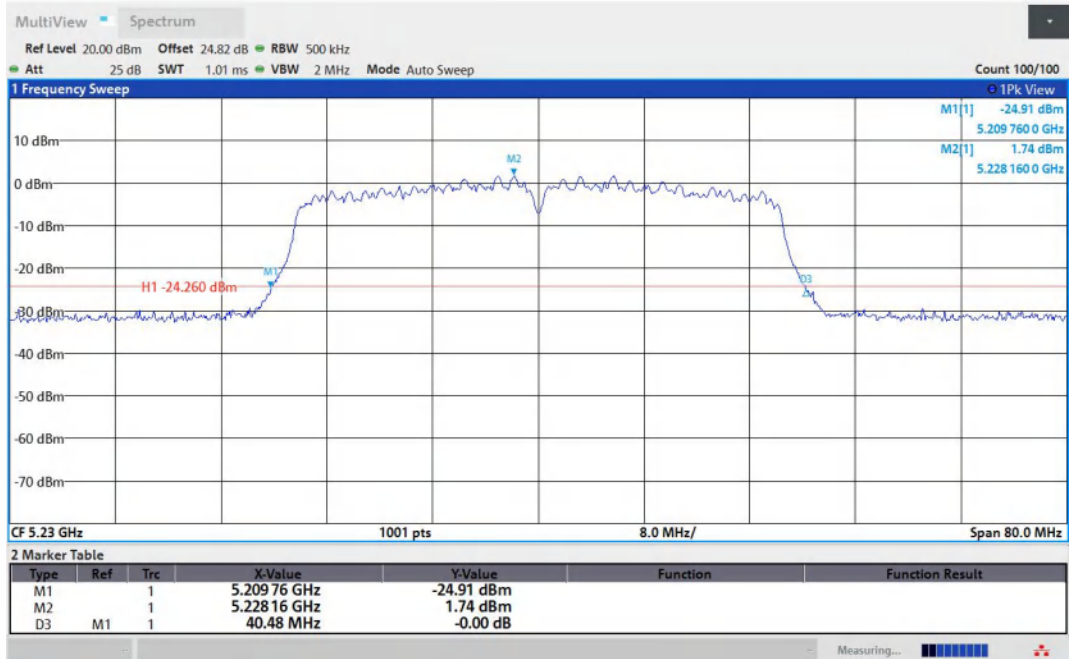
11N40MIMO-Ant1-5190



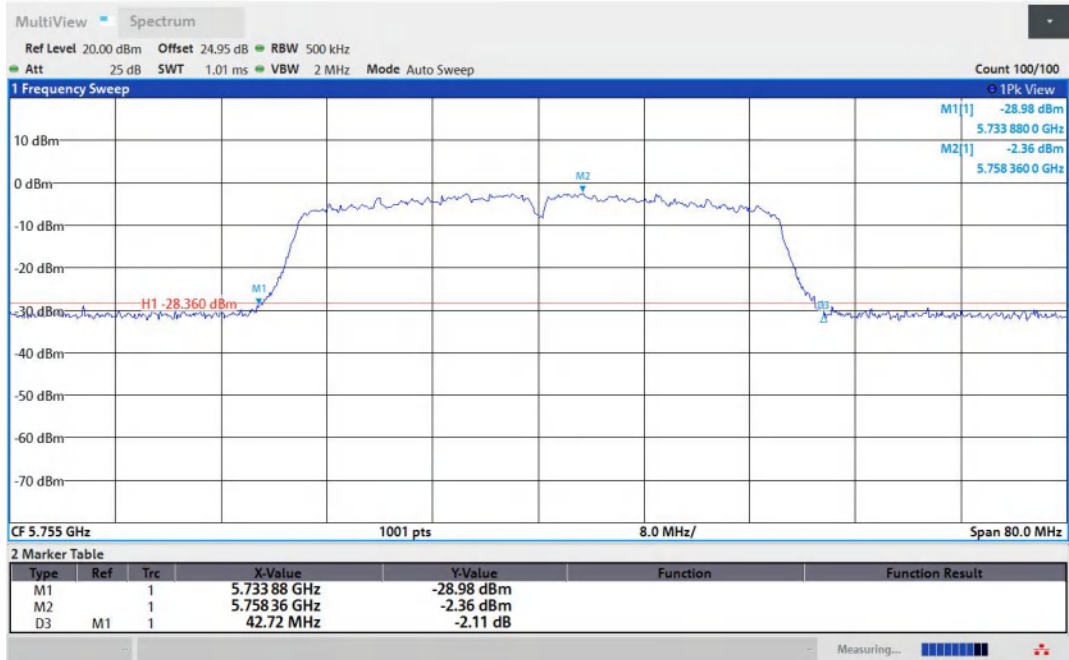
11N40MIMO-Ant2-5190



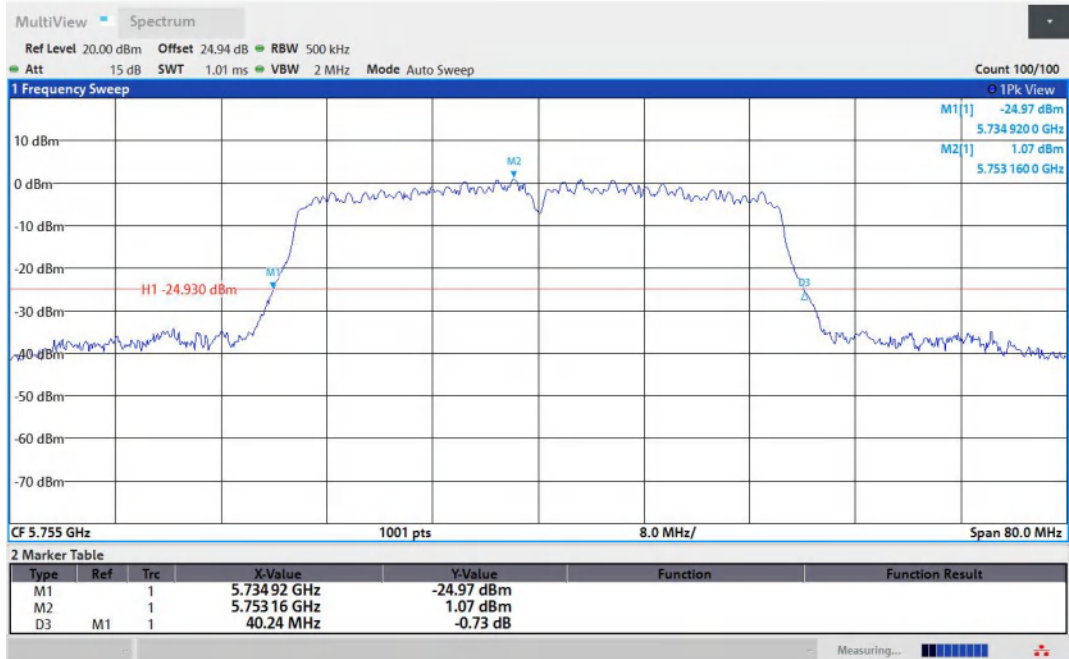
11N40MIMO-Ant1-5230



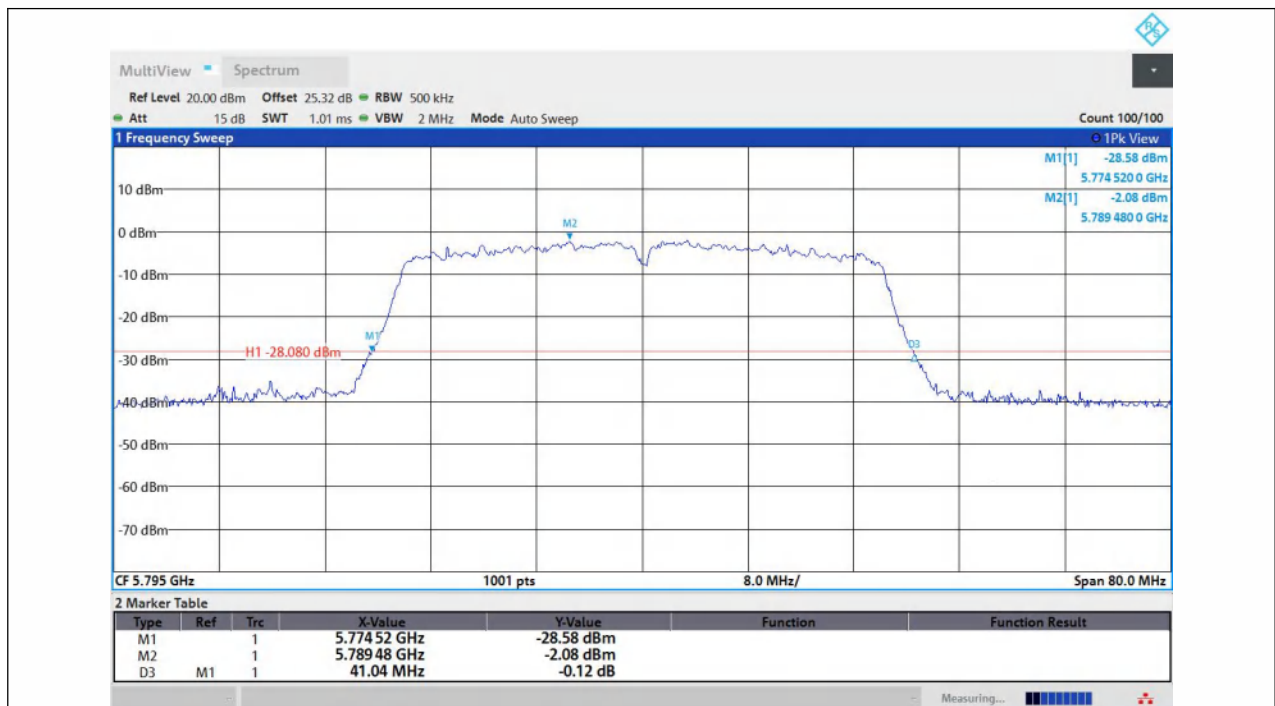
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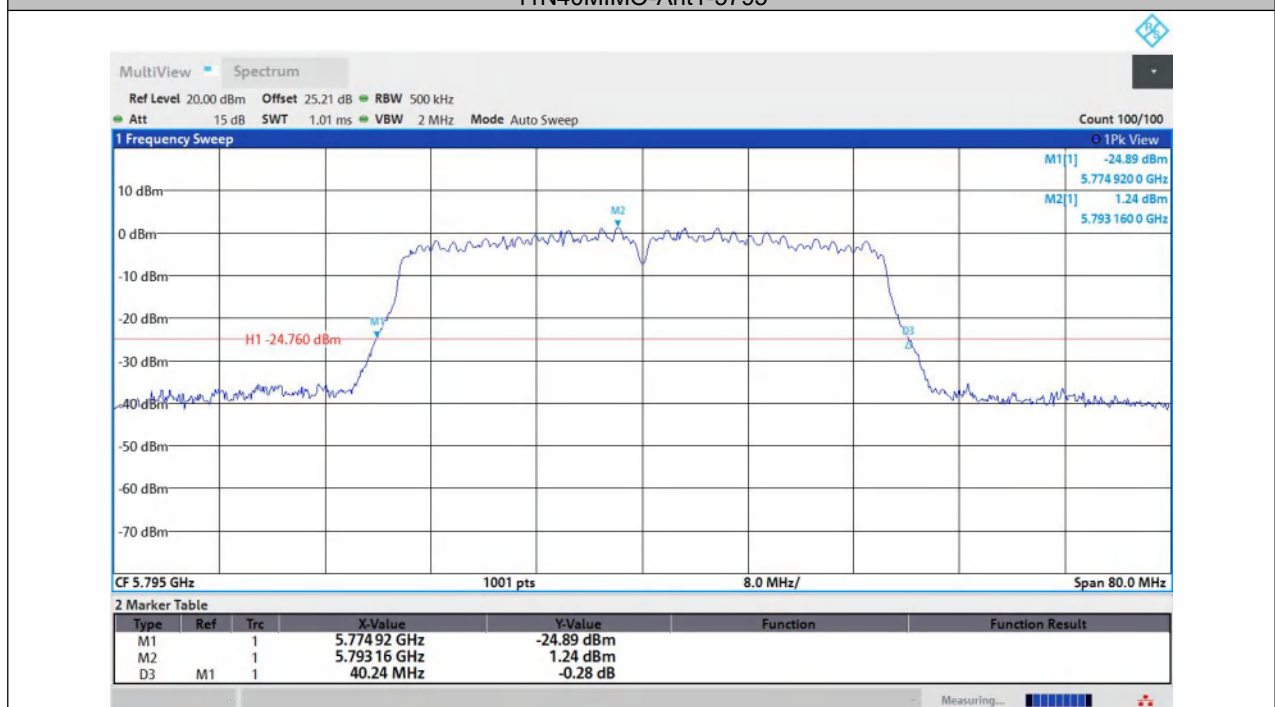
11N40MIMO-Ant1-5755



11N40MIMO-Ant2-5755



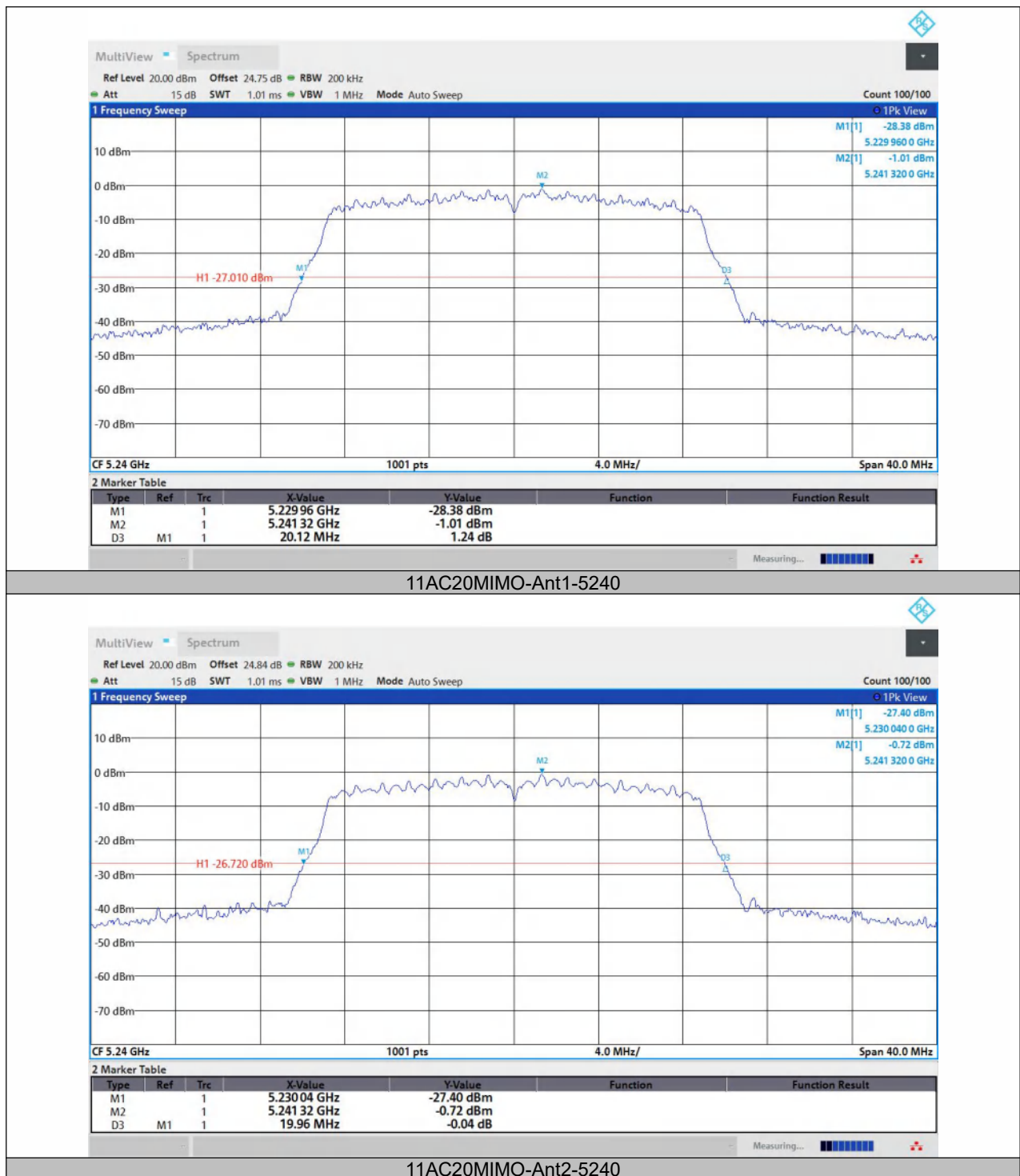
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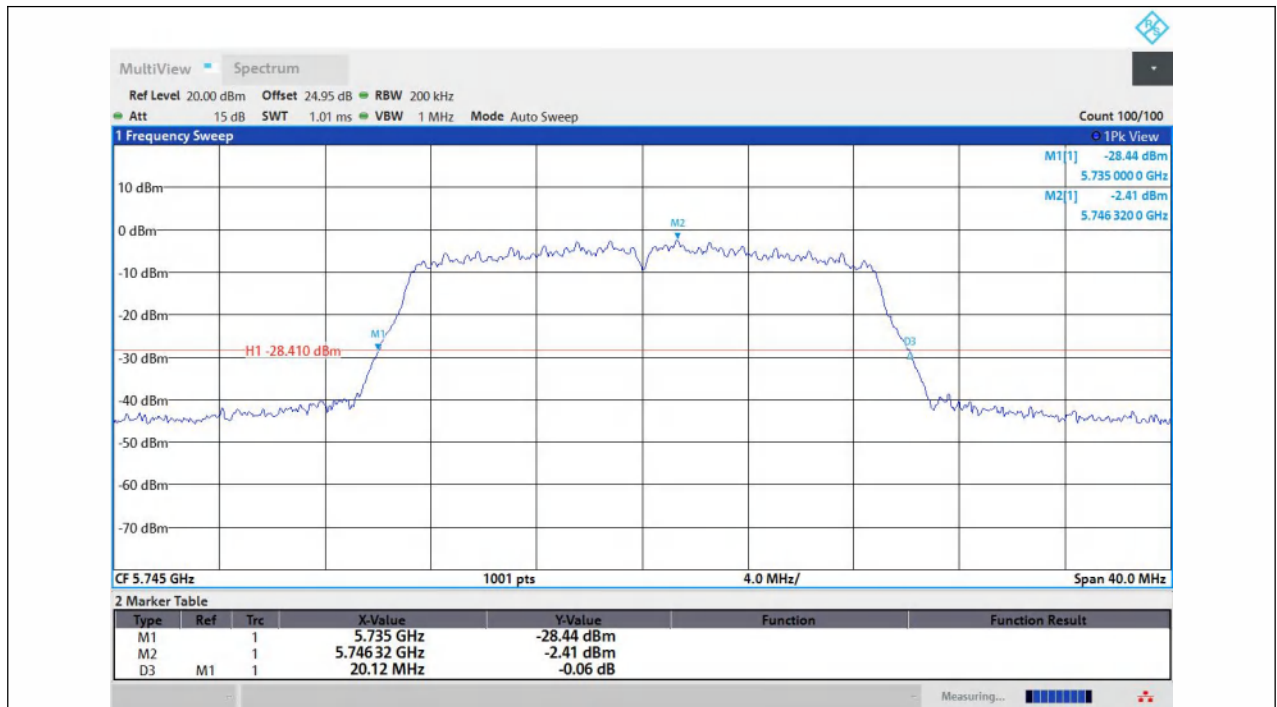


11N40MIMO-Ant2-5795

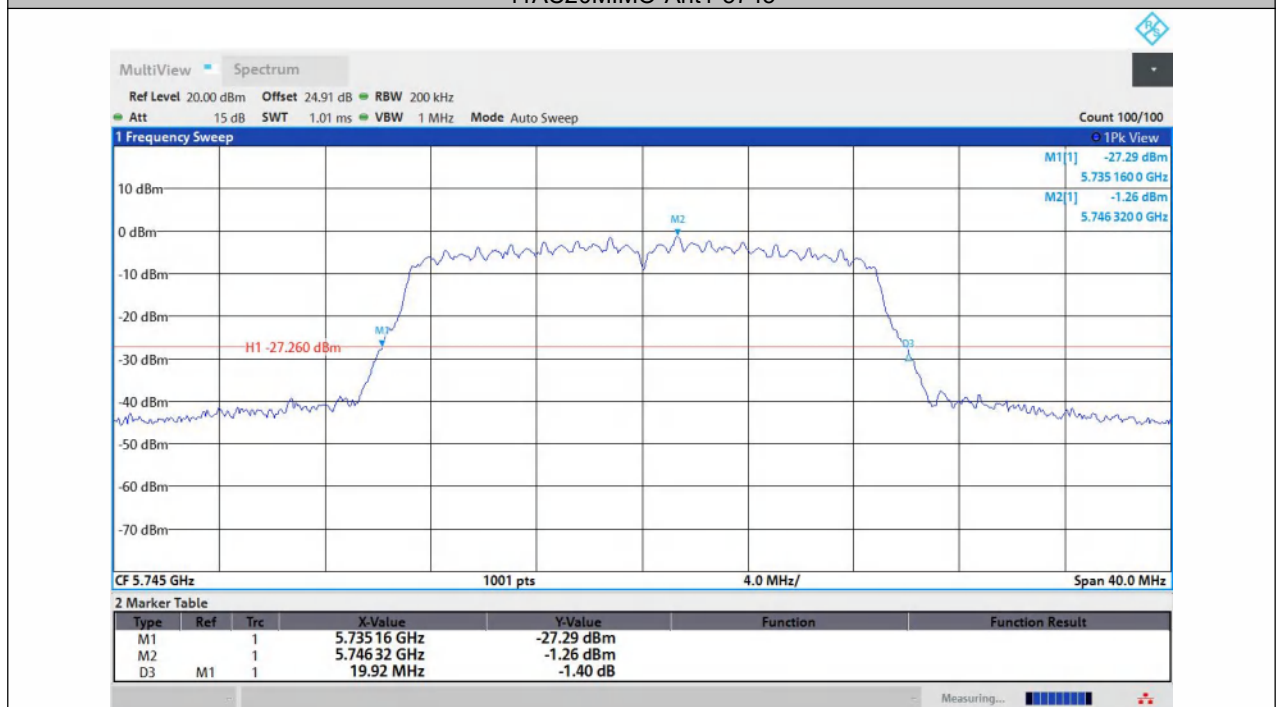




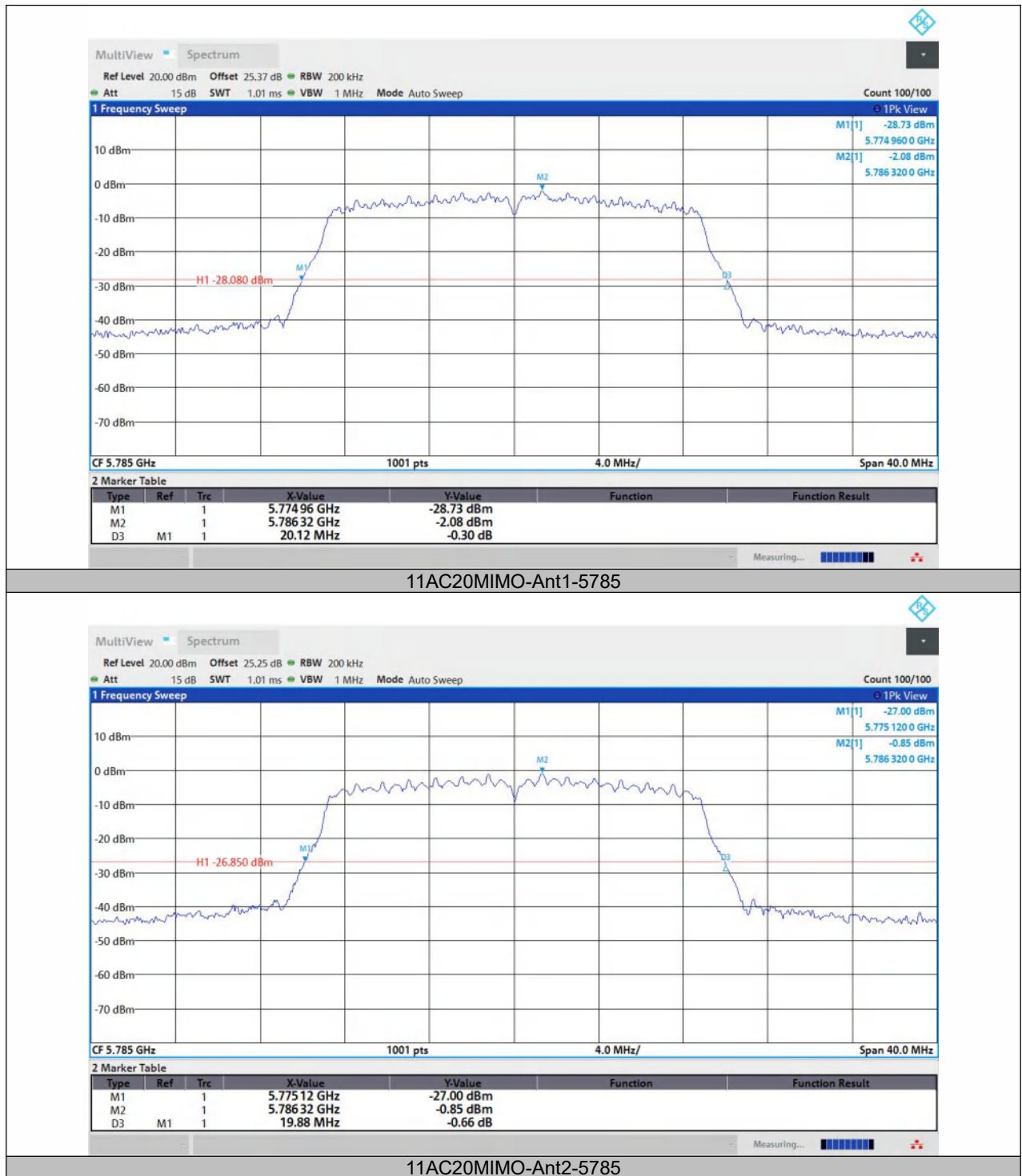


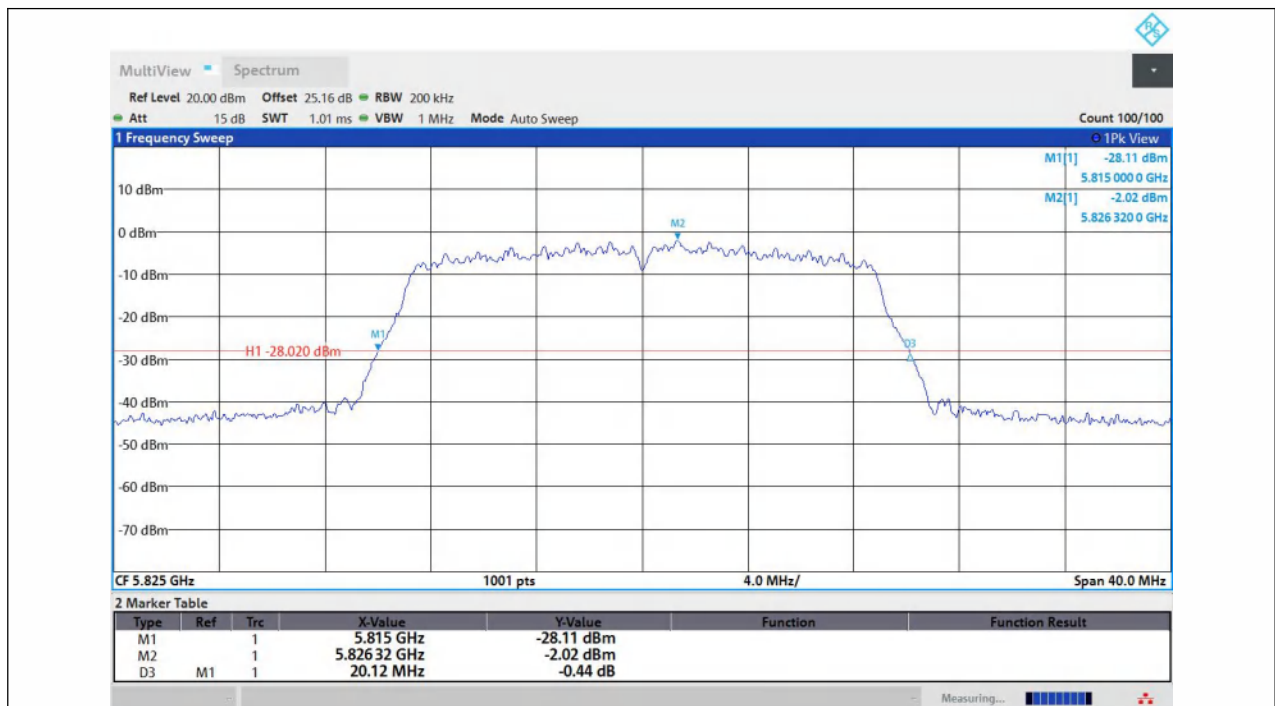


11AC20MIMO-Ant1-5745

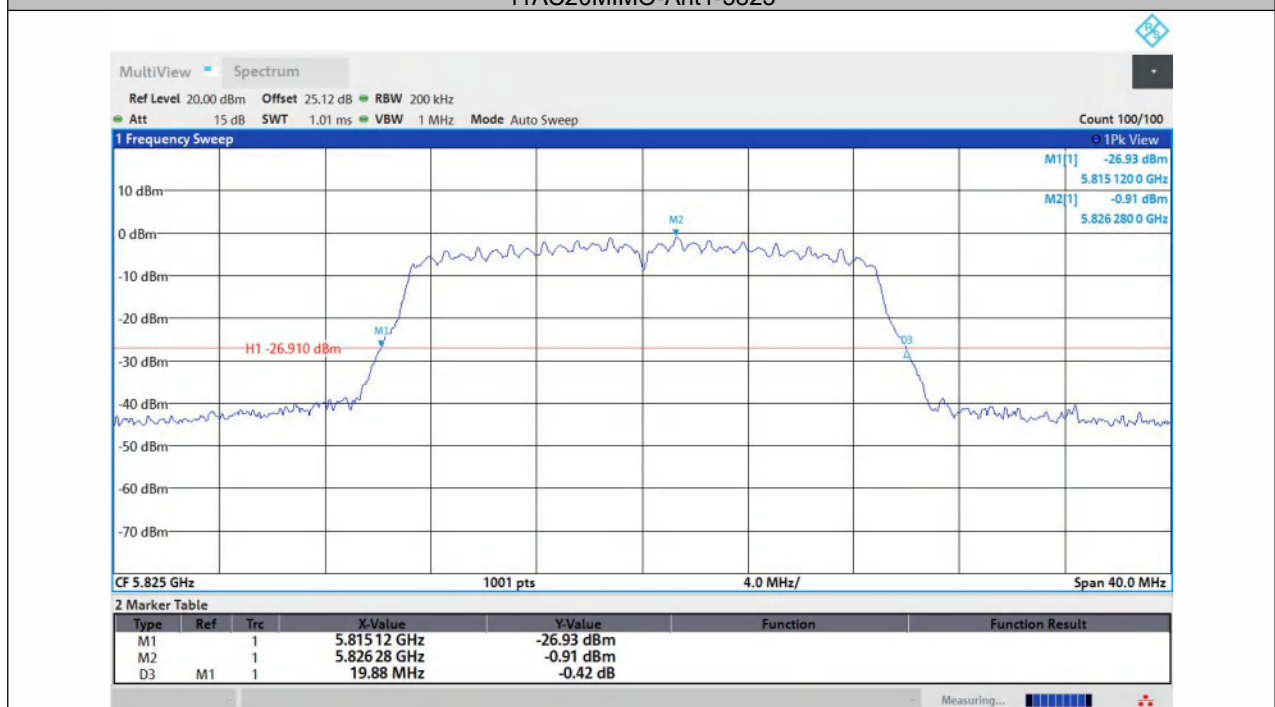


11AC20MIMO-Ant2-5745

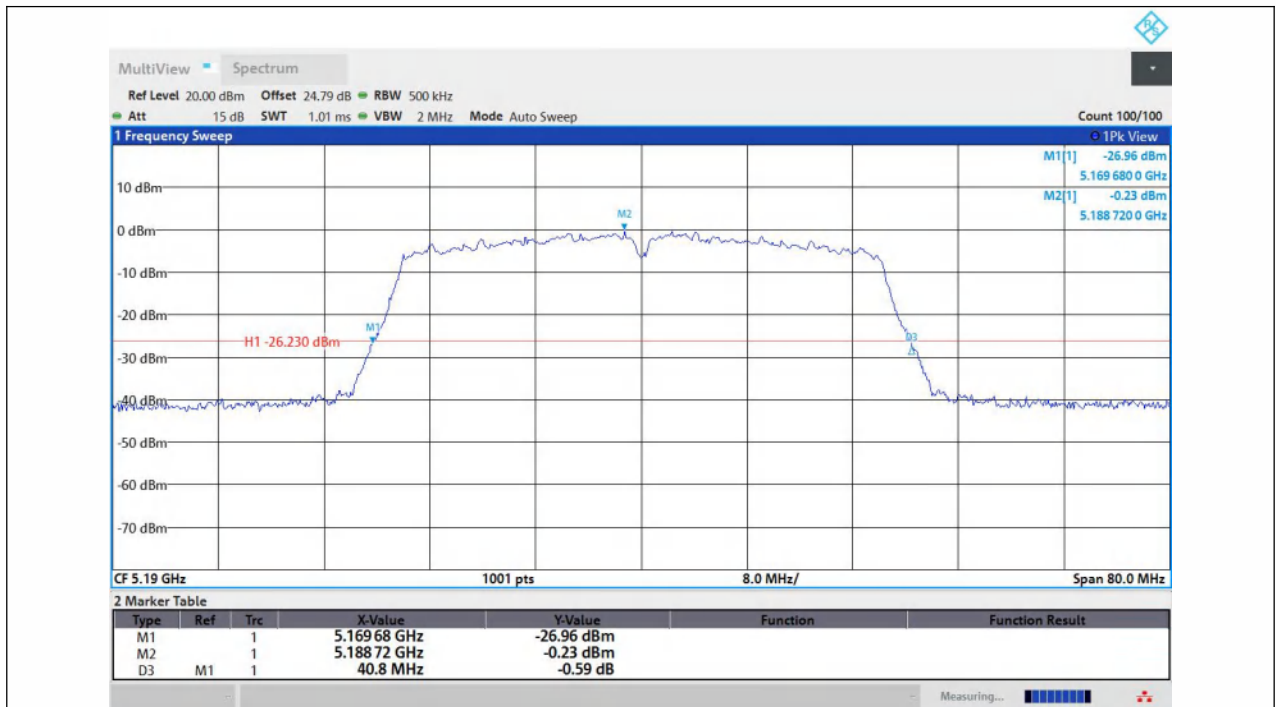




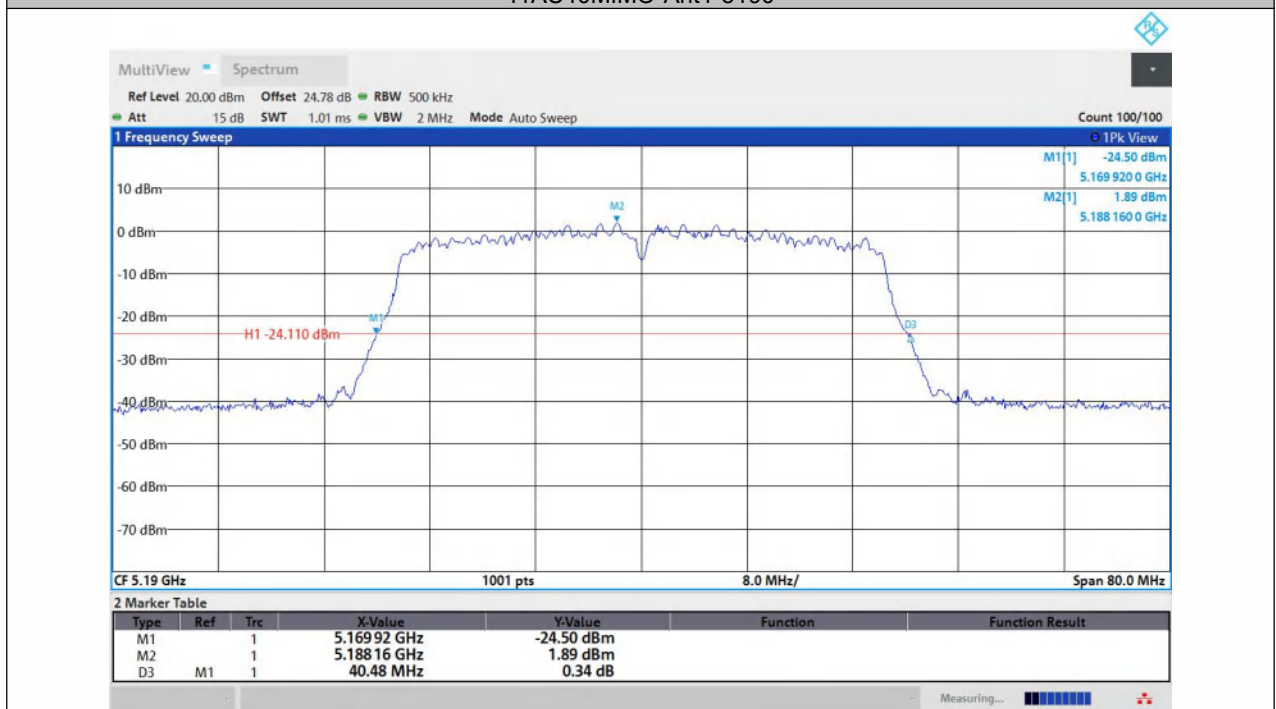
11AC20MIMO-Ant1-5825



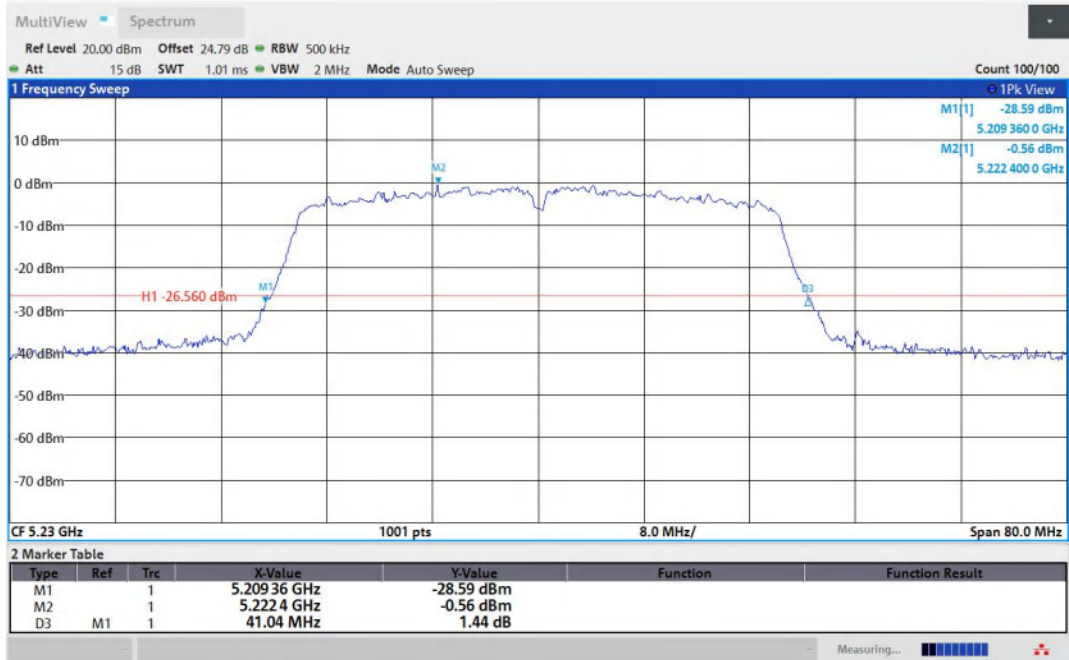
11AC20MIMO-Ant2-5825



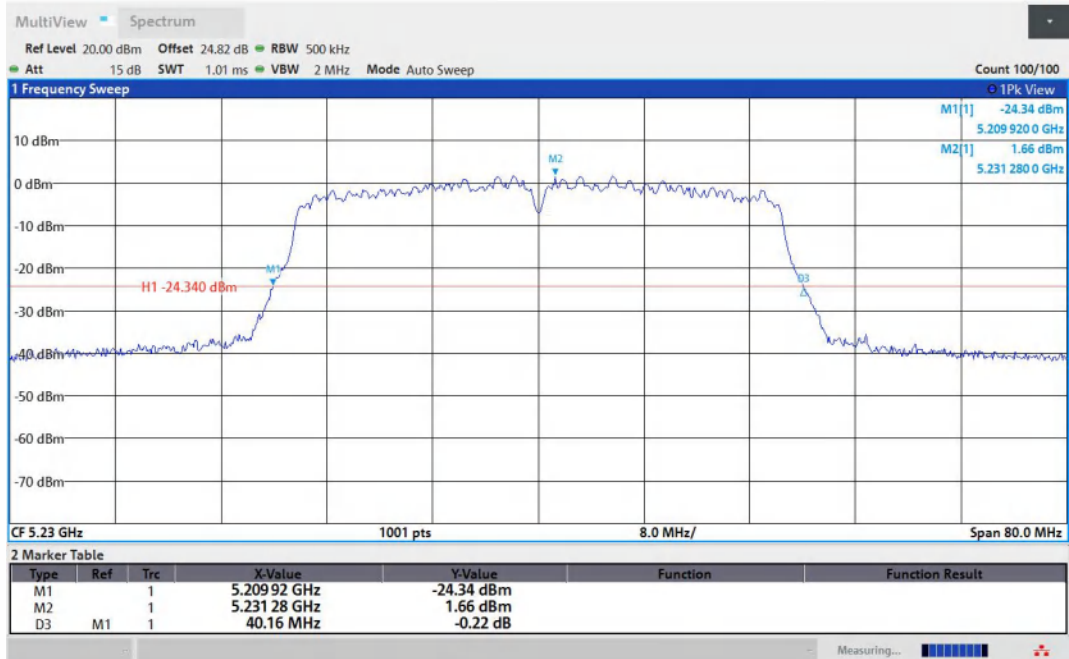
11AC40MIMO-Ant1-5190



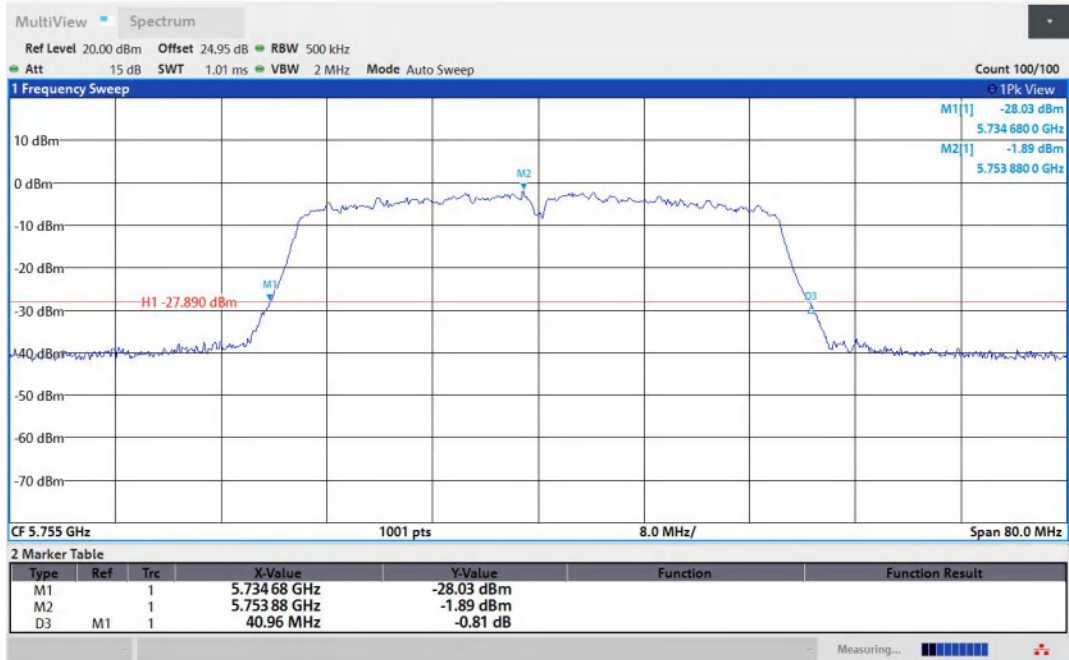
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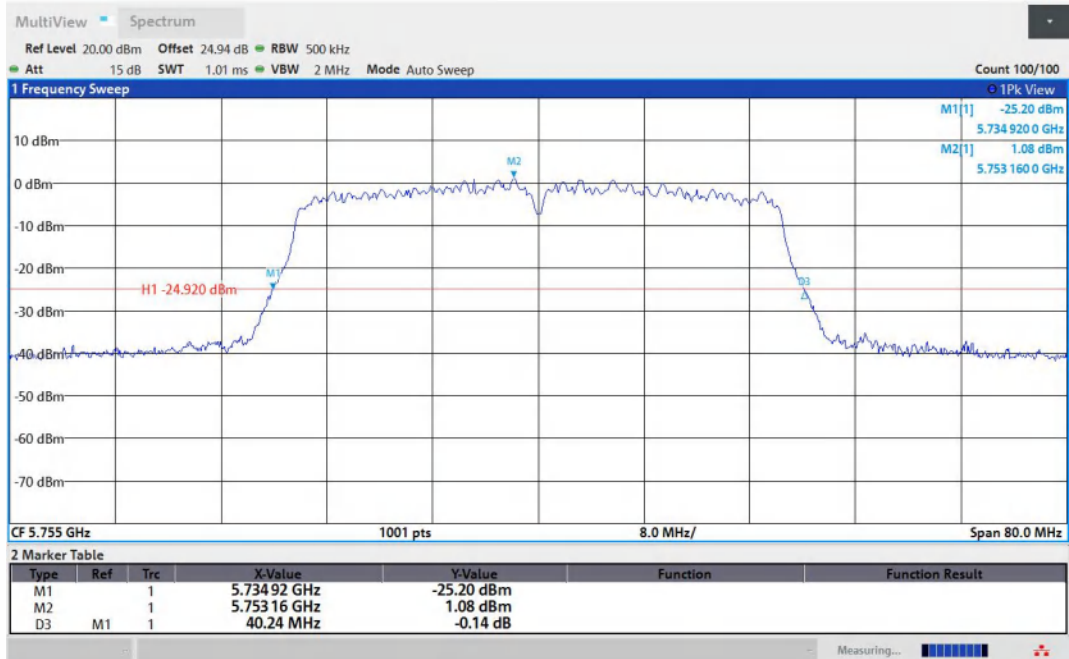
11AC40MIMO-Ant1-5230



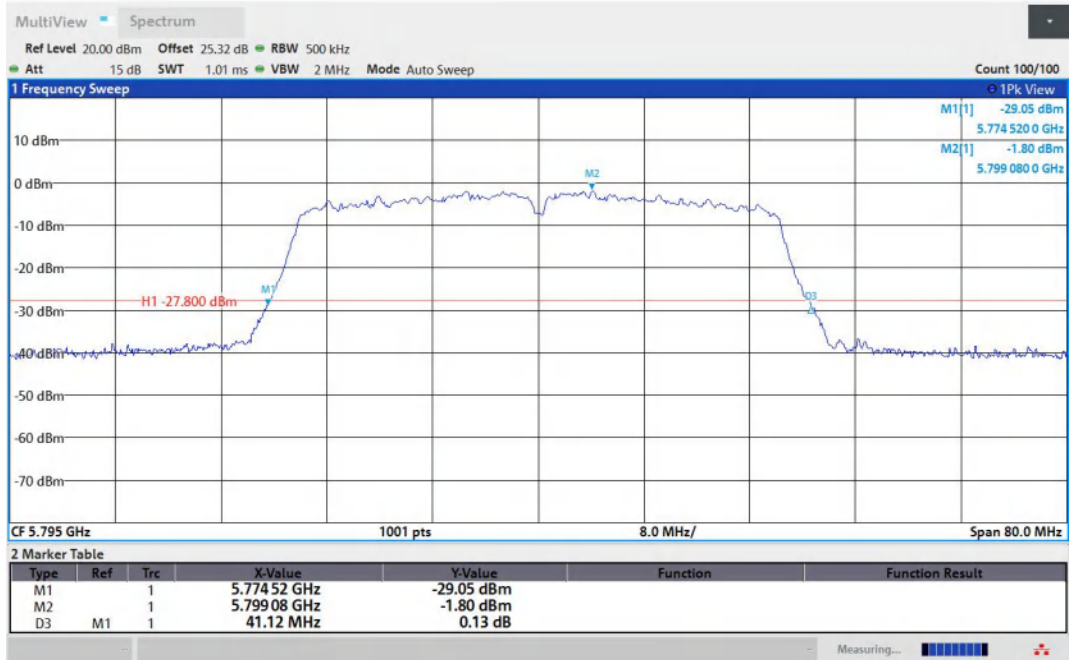
11AC40MIMO-Ant2-5230



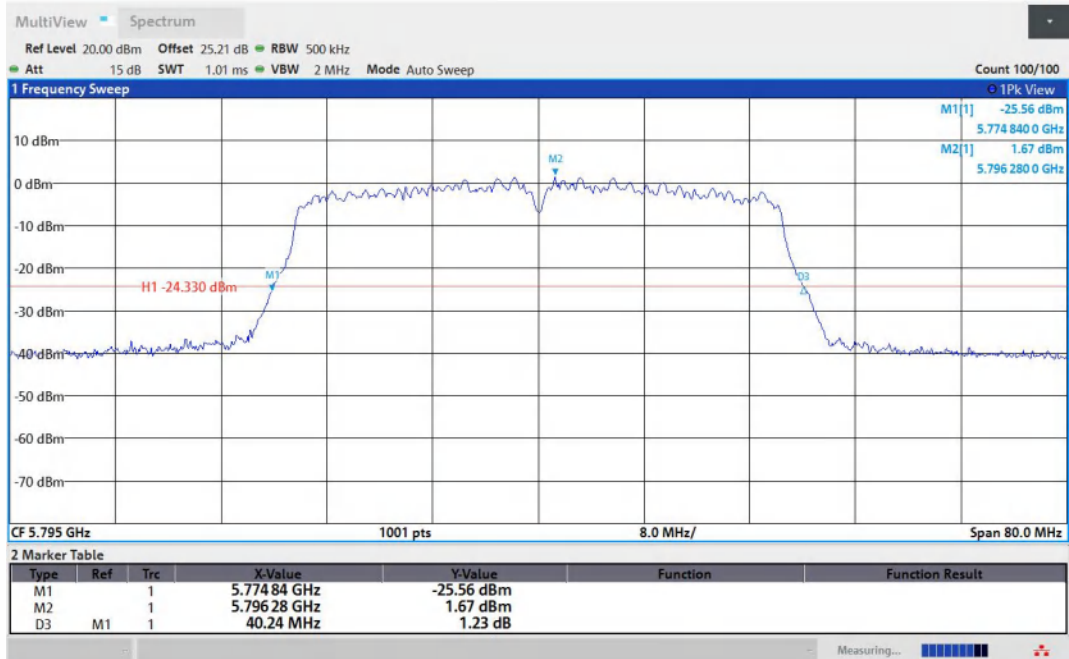
11AC40MIMO-Ant1-5755



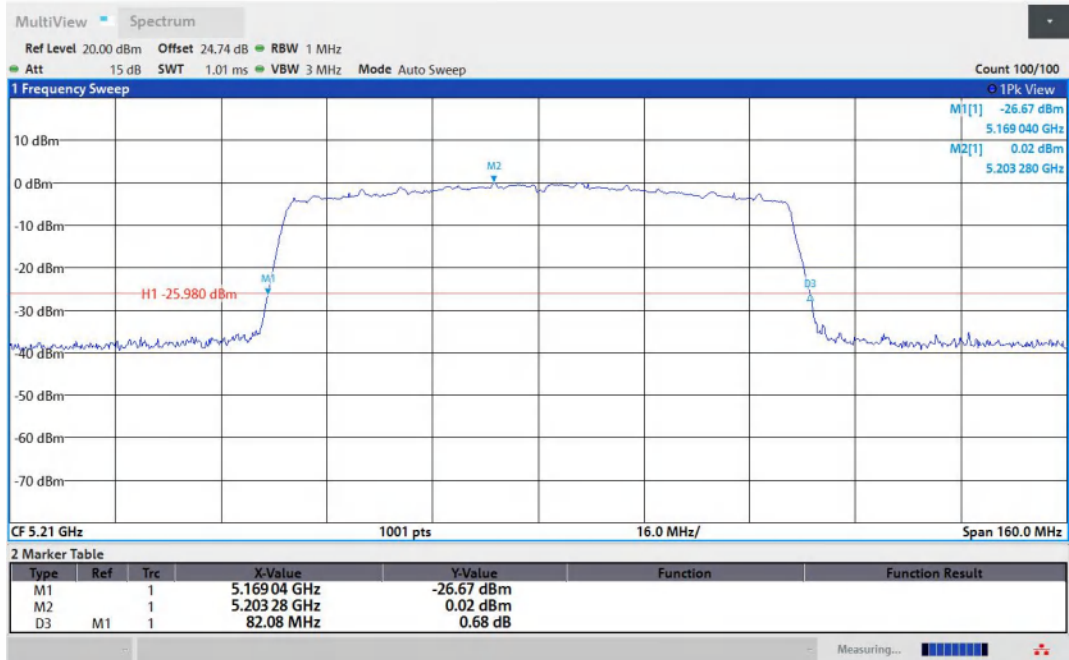
11AC40MIMO-Ant2-5755



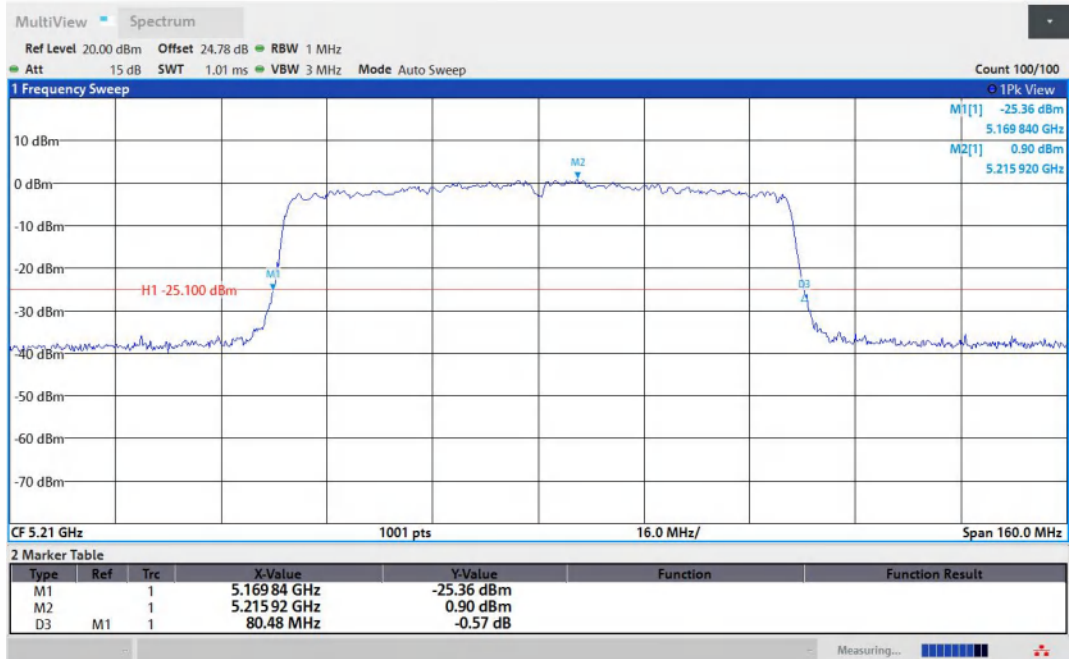
11AC40MIMO-Ant1-5795



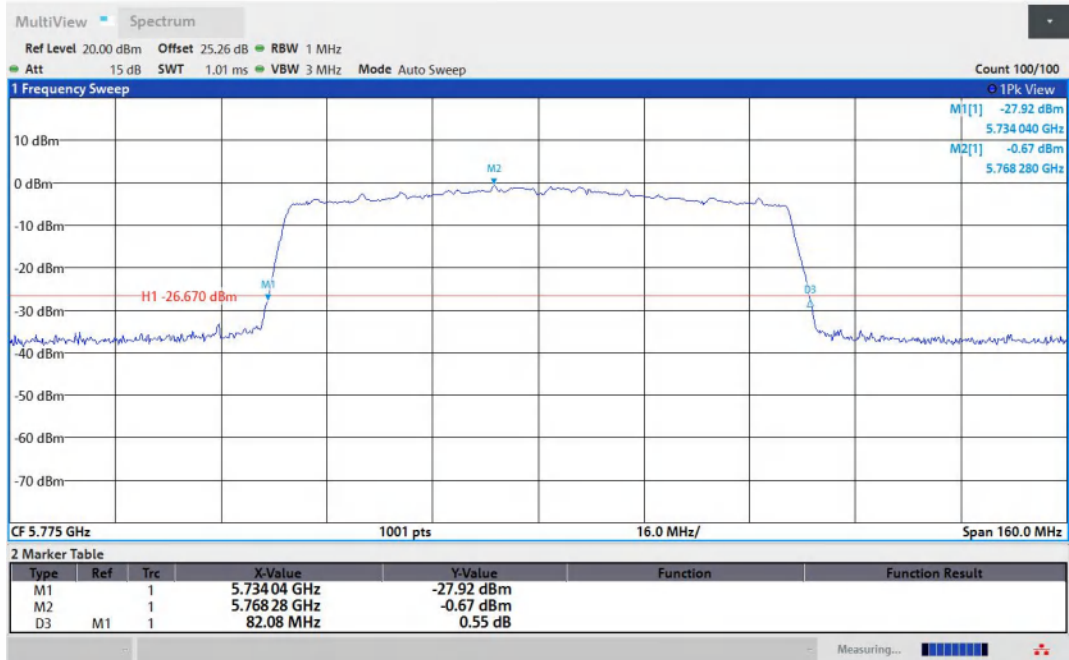
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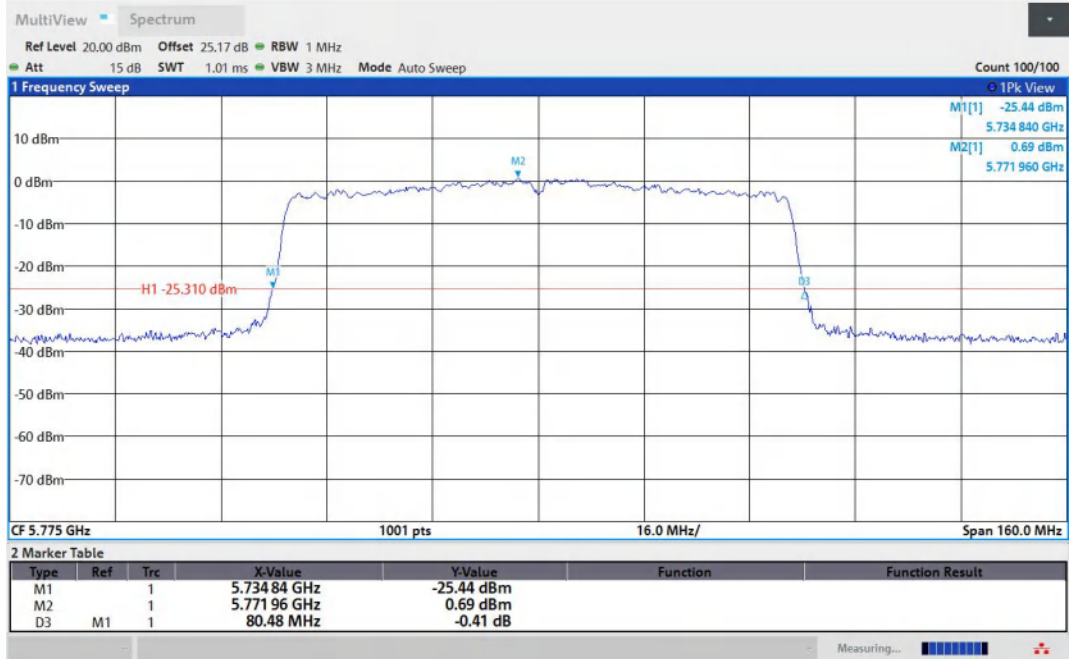
11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210



11AC80MIMO-Ant1-5775



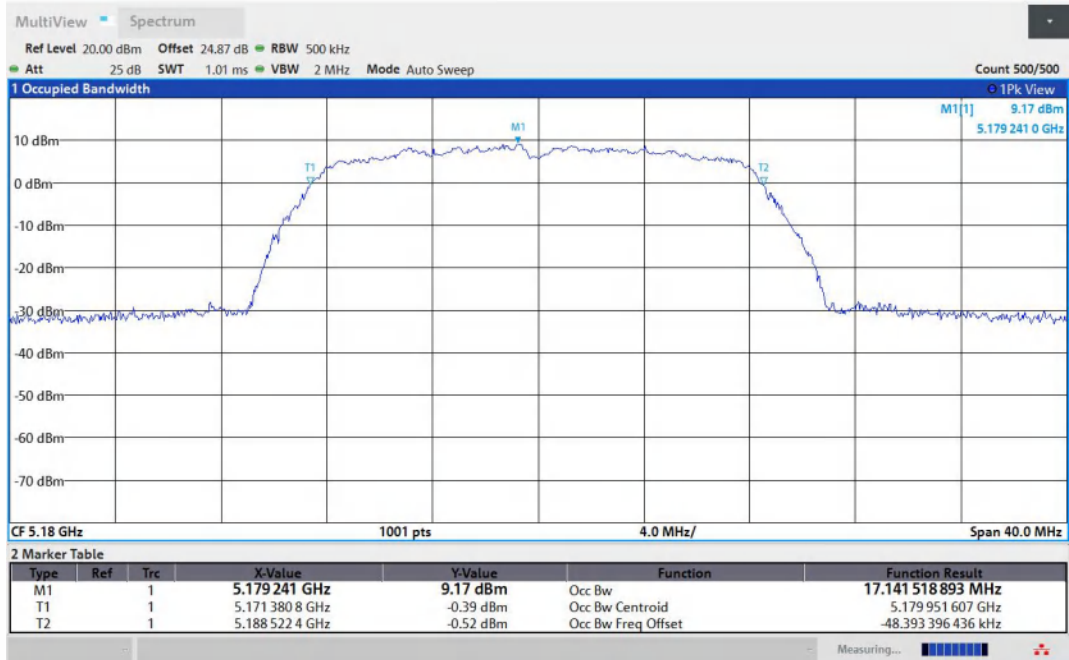
11AC80MIMO-Ant2-5775

Occupied channel bandwidth

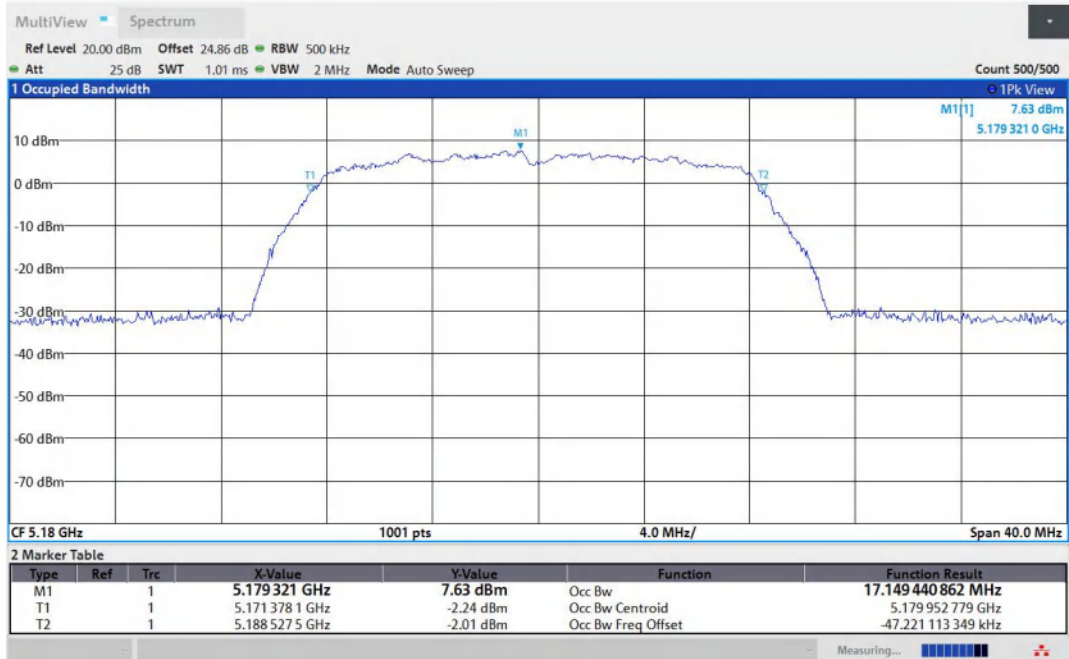
TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.142	5171.3808	5188.5224	---	---
11A	Ant2	5180	17.149	5171.3781	5188.5275	---	---
11A	Ant1	5200	17.226	5191.3269	5208.5527	---	---
11A	Ant2	5200	17.205	5191.3487	5208.5536	---	---
11A	Ant1	5240	17.236	5231.3155	5248.5516	---	---
11A	Ant2	5240	17.239	5231.3221	5248.5607	---	---
11A	Ant1	5745	17.247	5736.3037	5753.5506	---	---
11A	Ant2	5745	17.259	5736.3184	5753.5777	---	---
11A	Ant1	5785	17.242	5776.2872	5793.5295	---	---
11A	Ant2	5785	17.244	5776.3108	5793.5550	---	---
11A	Ant1	5825	17.245	5816.3360	5833.5810	---	---
11A	Ant2	5825	17.237	5816.3383	5833.5756	---	---
11N20MIMO	Ant1	5180	17.992	5171.0514	5189.0436	---	---
11N20MIMO	Ant2	5180	17.612	5171.2336	5188.8454	---	---
11N20MIMO	Ant1	5200	18.012	5191.0095	5209.0214	---	---
11N20MIMO	Ant2	5200	17.627	5191.2164	5208.8437	---	---
11N20MIMO	Ant1	5240	18.027	5230.9957	5249.0227	---	---
11N20MIMO	Ant2	5240	17.646	5231.2093	5248.8550	---	---
11N20MIMO	Ant1	5745	18.071	5735.9820	5754.0534	---	---
11N20MIMO	Ant2	5745	17.652	5736.2030	5753.8552	---	---
11N20MIMO	Ant1	5785	18.060	5775.9759	5794.0357	---	---
11N20MIMO	Ant2	5785	17.654	5776.2036	5793.8575	---	---
11N20MIMO	Ant1	5825	18.052	5816.0160	5834.0679	---	---
11N20MIMO	Ant2	5825	17.630	5816.2141	5833.8446	---	---
11N40MIMO	Ant1	5190	36.215	5171.9657	5208.1806	---	---
11N40MIMO	Ant2	5190	36.468	5171.8181	5208.2863	---	---
11N40MIMO	Ant1	5230	36.254	5211.8932	5248.1475	---	---
11N40MIMO	Ant2	5230	36.447	5211.8499	5248.2971	---	---
11N40MIMO	Ant1	5755	36.424	5736.8003	5773.2245	---	---
11N40MIMO	Ant2	5755	36.585	5736.7801	5773.3650	---	---
11N40MIMO	Ant1	5795	36.444	5776.8053	5813.2490	---	---
11N40MIMO	Ant2	5795	36.589	5776.7678	5813.3568	---	---
11AC20MIMO	Ant1	5180	17.972	5171.0545	5189.0270	---	---
11AC20MIMO	Ant2	5180	17.633	5171.2195	5188.8525	---	---
11AC20MIMO	Ant1	5200	18.046	5190.9874	5209.0332	---	---
11AC20MIMO	Ant2	5200	17.647	5191.2013	5208.8482	---	---
11AC20MIMO	Ant1	5240	18.012	5230.9975	5249.0091	---	---
11AC20MIMO	Ant2	5240	17.633	5231.2086	5248.8414	---	---
11AC20MIMO	Ant1	5745	18.082	5735.9867	5754.0684	---	---
11AC20MIMO	Ant2	5745	17.647	5736.2081	5753.8556	---	---
11AC20MIMO	Ant1	5785	18.063	5775.9930	5794.0557	---	---
11AC20MIMO	Ant2	5785	17.646	5776.2013	5793.8473	---	---
11AC20MIMO	Ant1	5825	18.072	5815.9978	5834.0702	---	---
11AC20MIMO	Ant2	5825	17.629	5816.2252	5833.8541	---	---
11AC40MIMO	Ant1	5190	36.242	5171.8976	5208.1396	---	---
11AC40MIMO	Ant2	5190	36.451	5171.8551	5208.3062	---	---
11AC40MIMO	Ant1	5230	36.282	5211.8867	5248.1689	---	---
11AC40MIMO	Ant2	5230	36.484	5211.8170	5248.3006	---	---
11AC40MIMO	Ant1	5755	36.437	5736.8455	5773.2826	---	---
11AC40MIMO	Ant2	5755	36.574	5736.7939	5773.3675	---	---
11AC40MIMO	Ant1	5795	36.418	5776.8148	5813.2332	---	---
11AC40MIMO	Ant2	5795	36.570	5776.7853	5813.3556	---	---

11AC80MIMO	Ant1	5210	75.852	5172.0933	5247.9451	---	---
11AC80MIMO	Ant2	5210	75.497	5172.3377	5247.8347	---	---
11AC80MIMO	Ant1	5775	76.268	5736.8533	5813.1212	---	---
11AC80MIMO	Ant2	5775	75.684	5737.2179	5812.9020	---	---

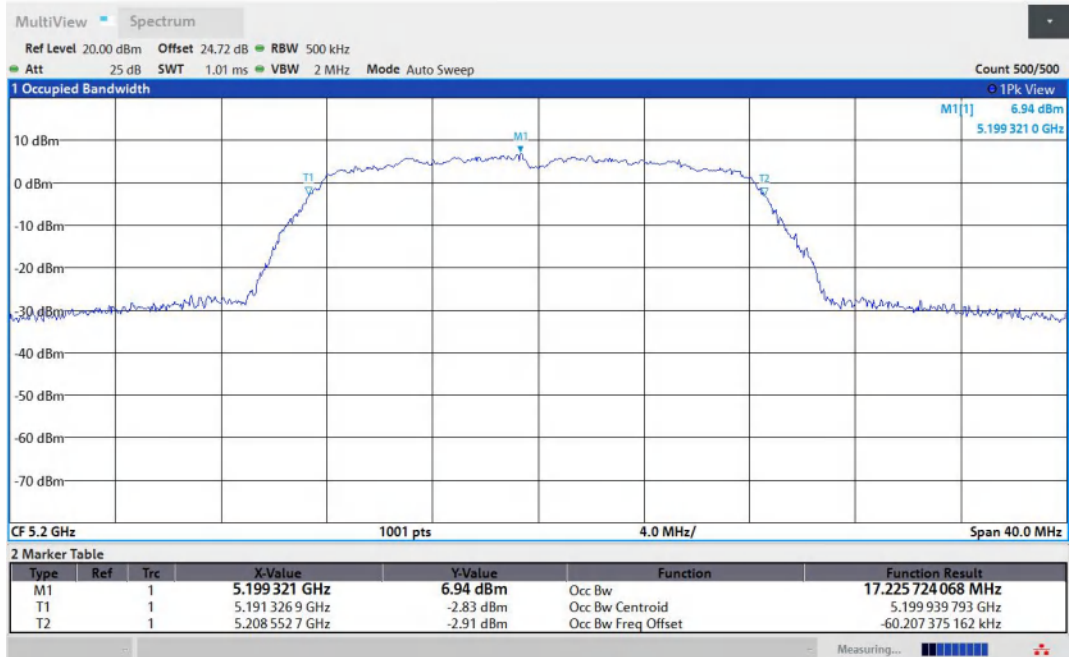




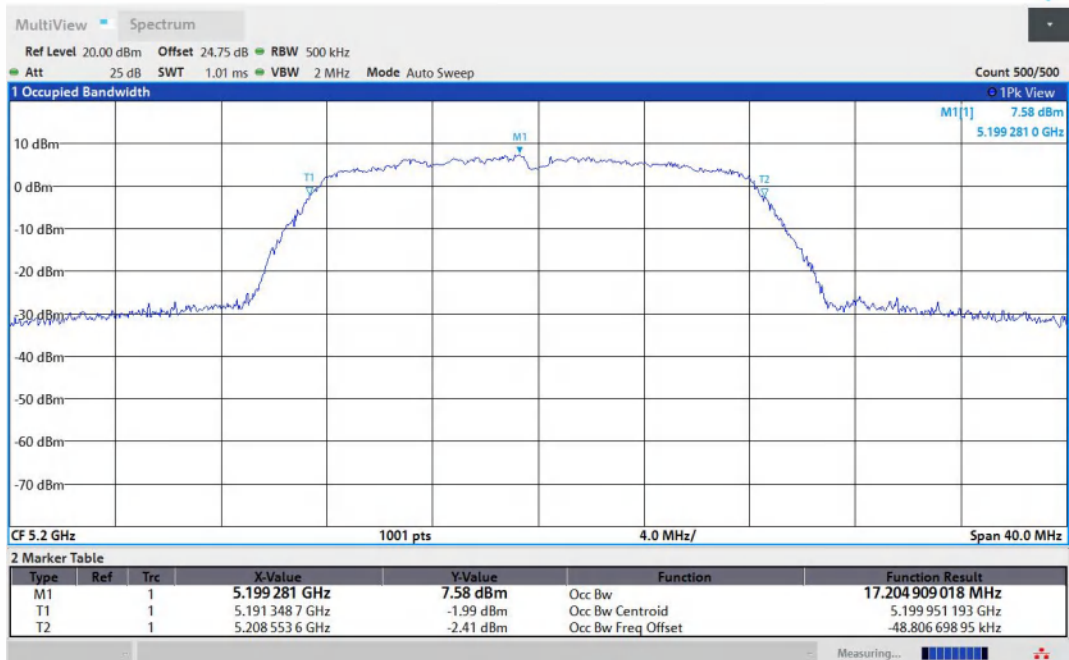
11A-Ant1-5180



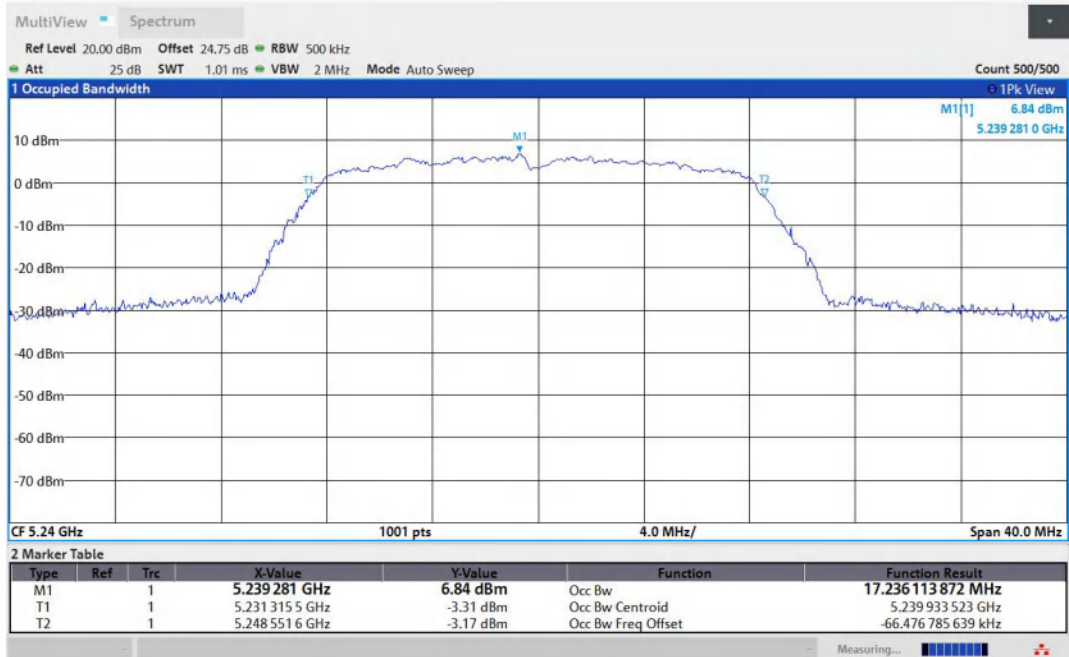
11A-Ant2-5180



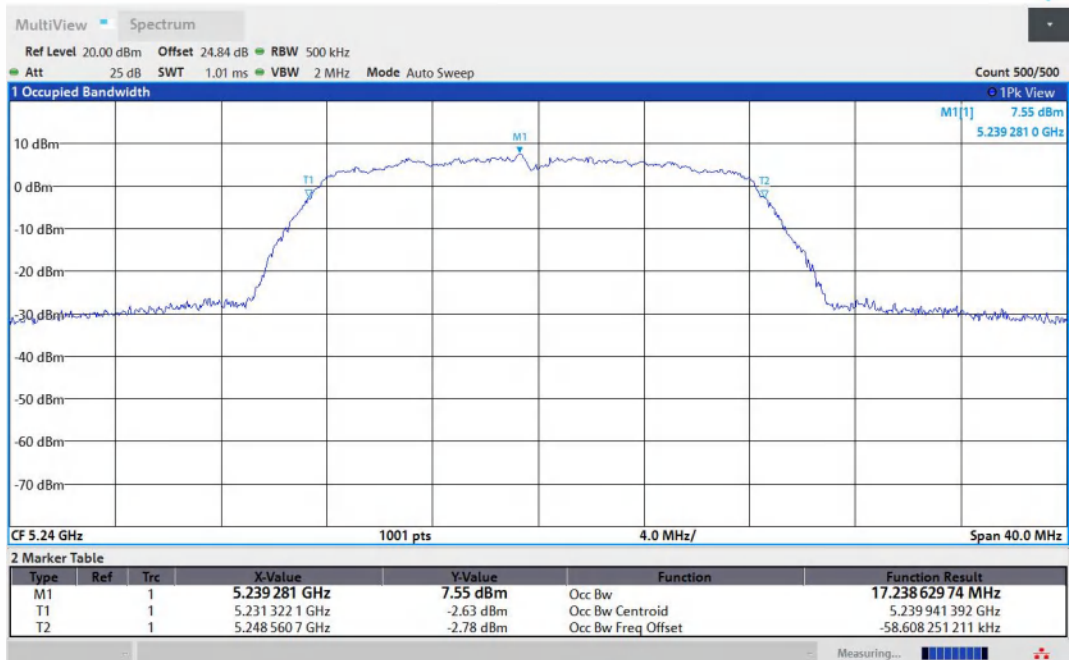
11A-Ant1-5200



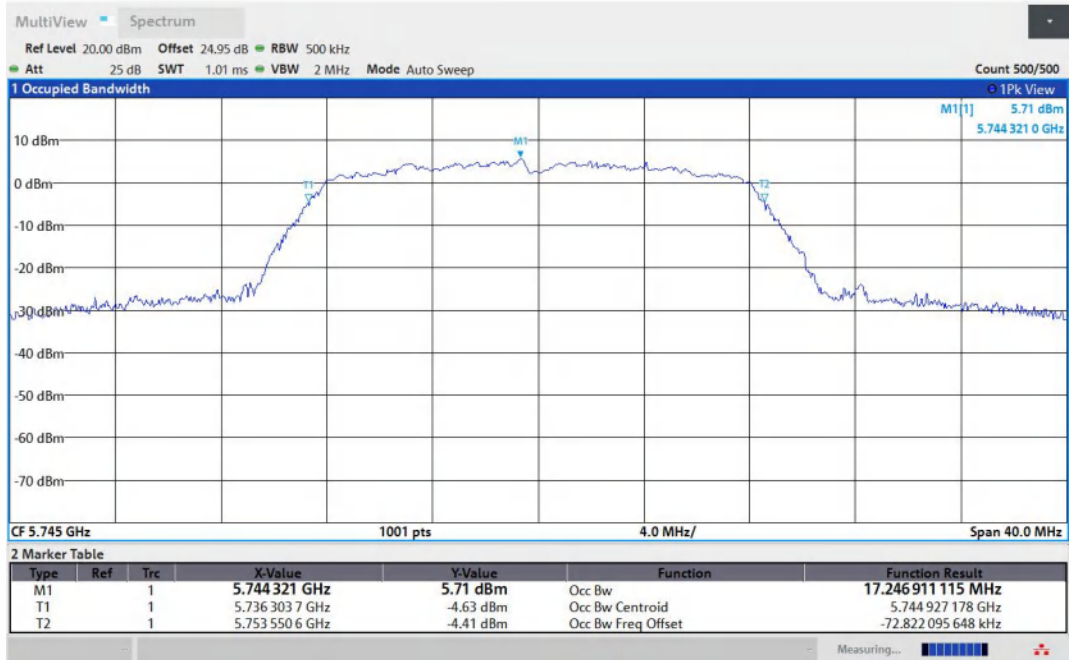
11A-Ant2-5200



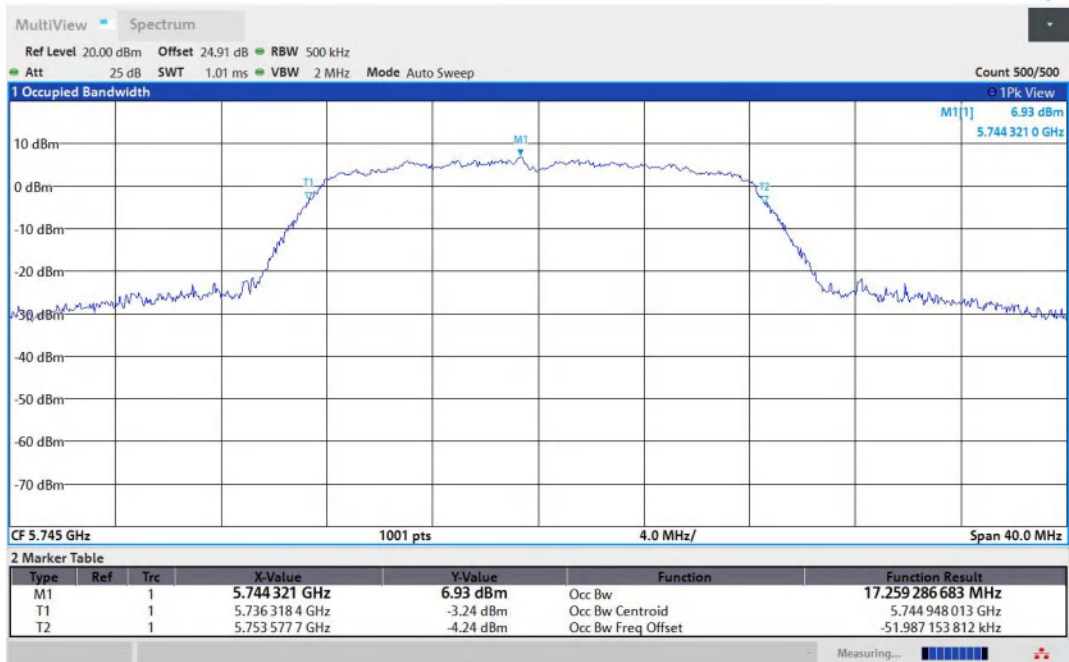
11A-Ant1-5240



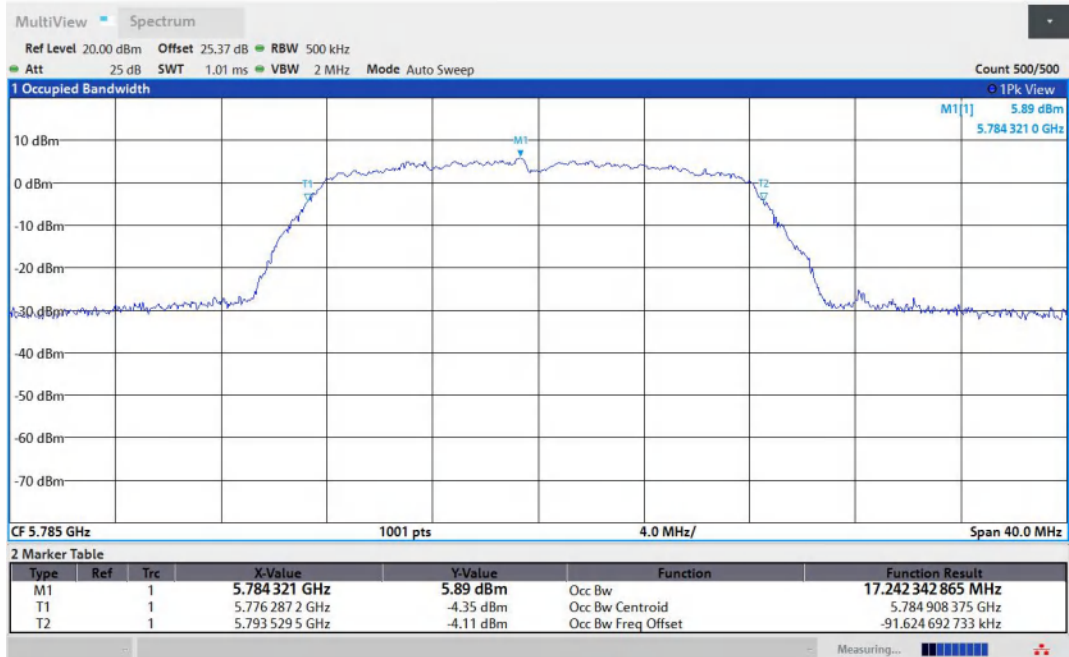
11A-Ant2-5240



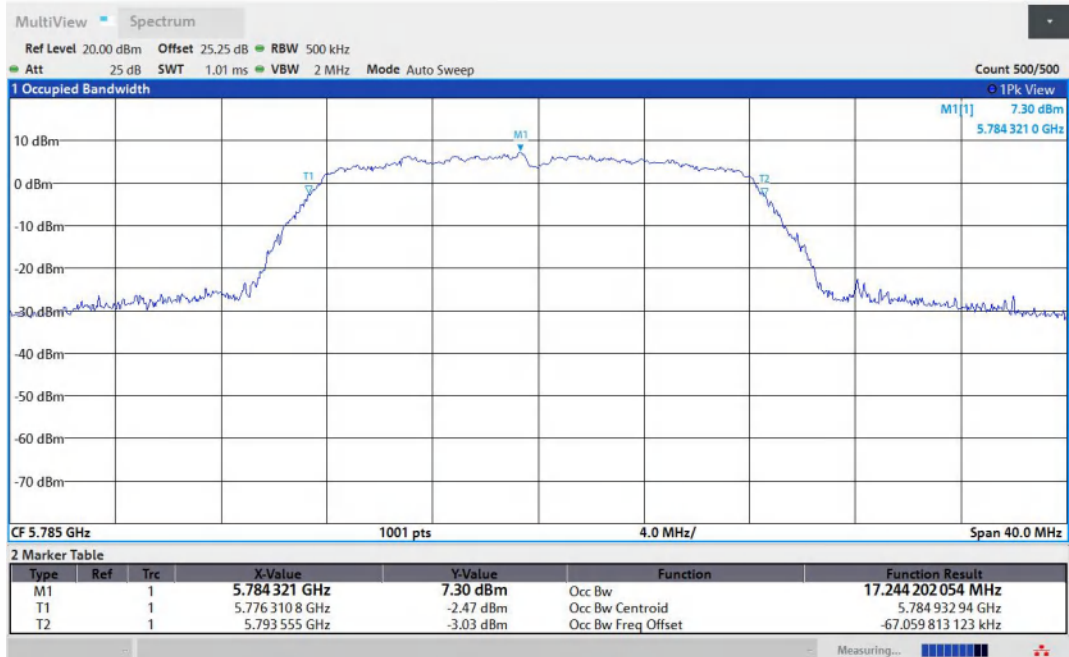
11A-Ant1-5745



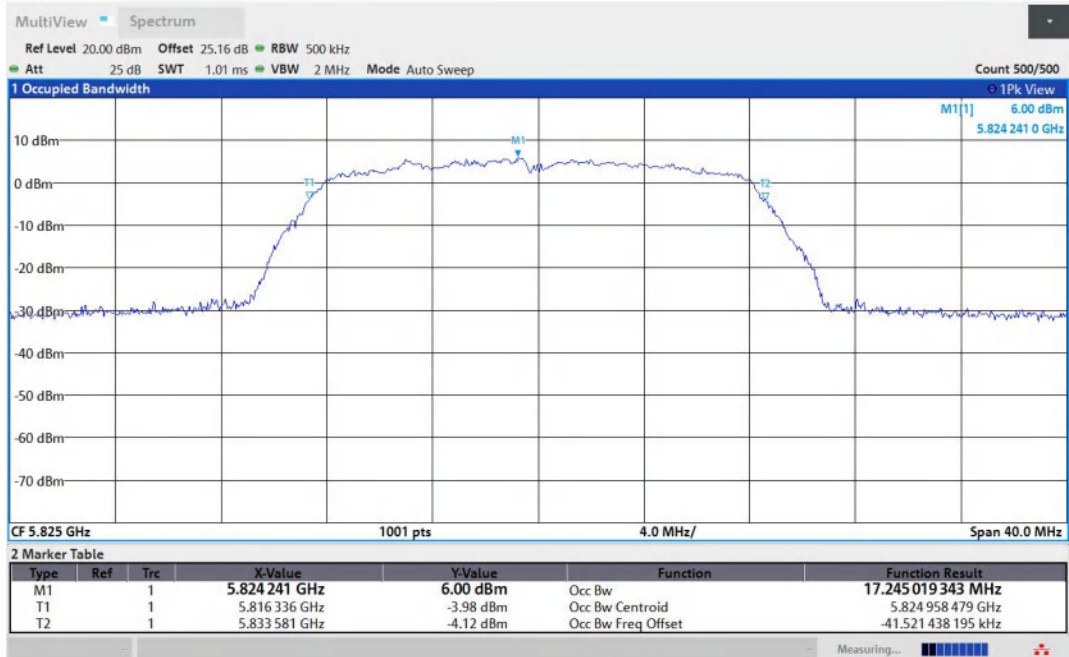
11A-Ant2-5745



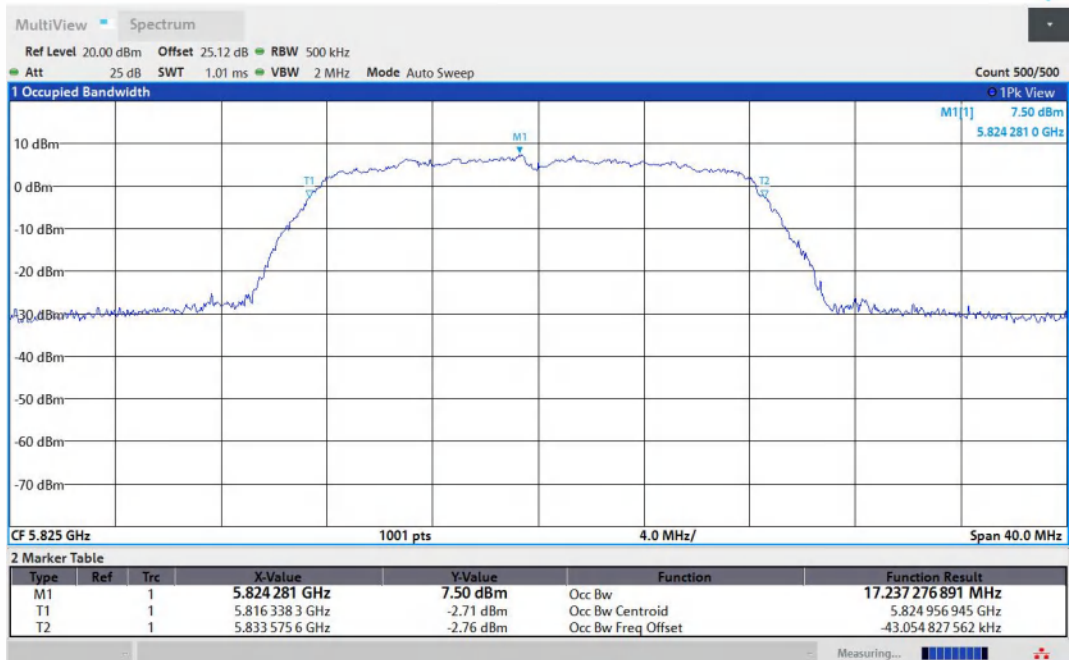
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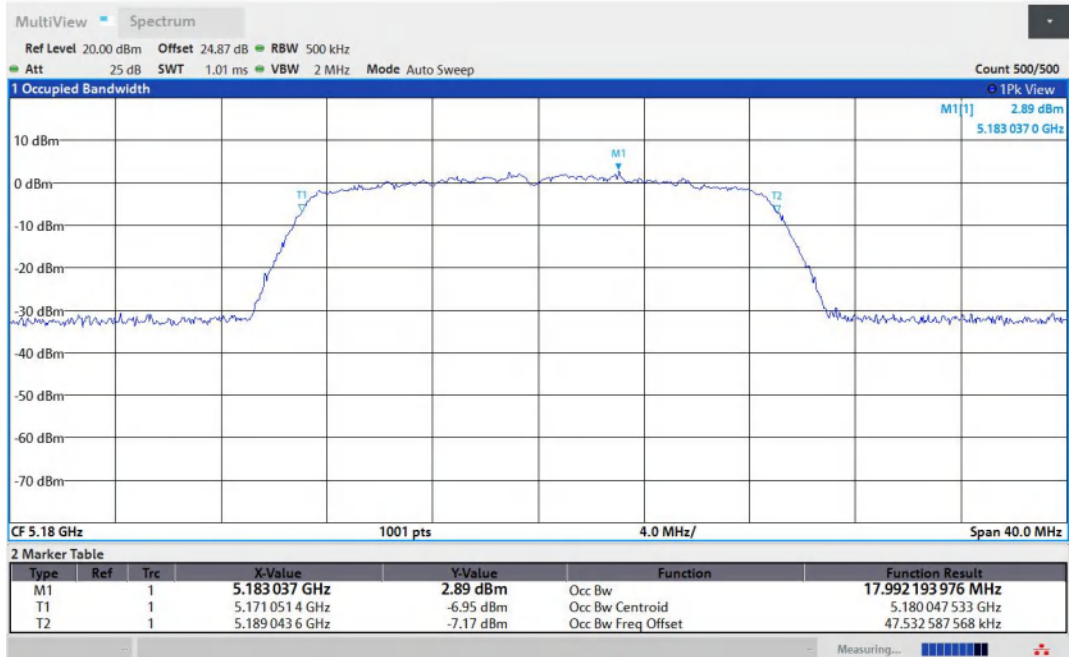
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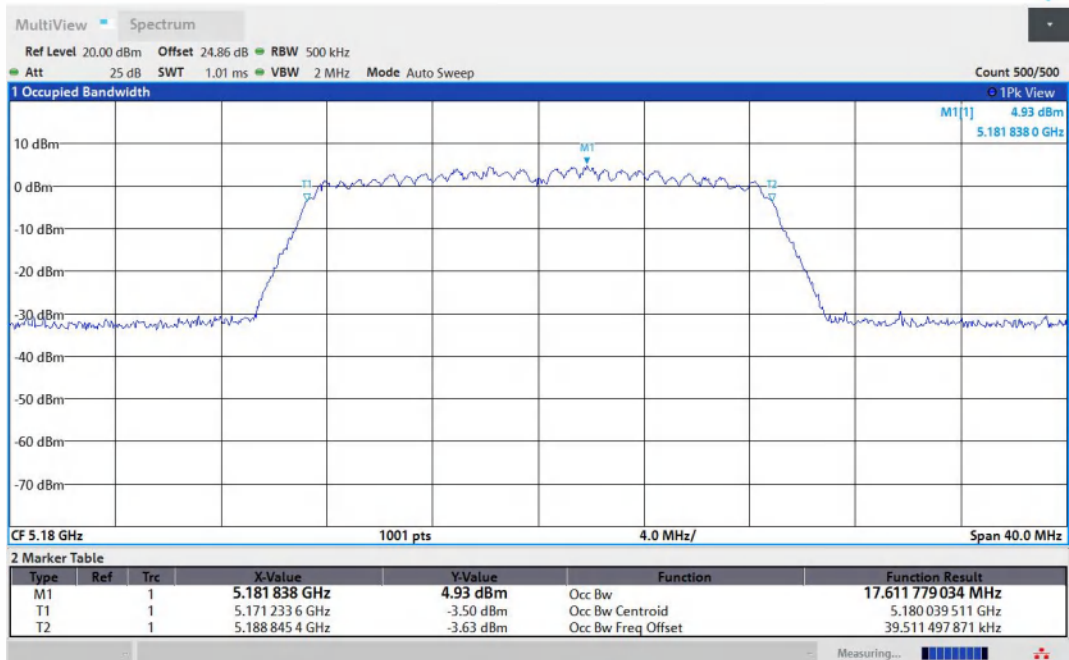
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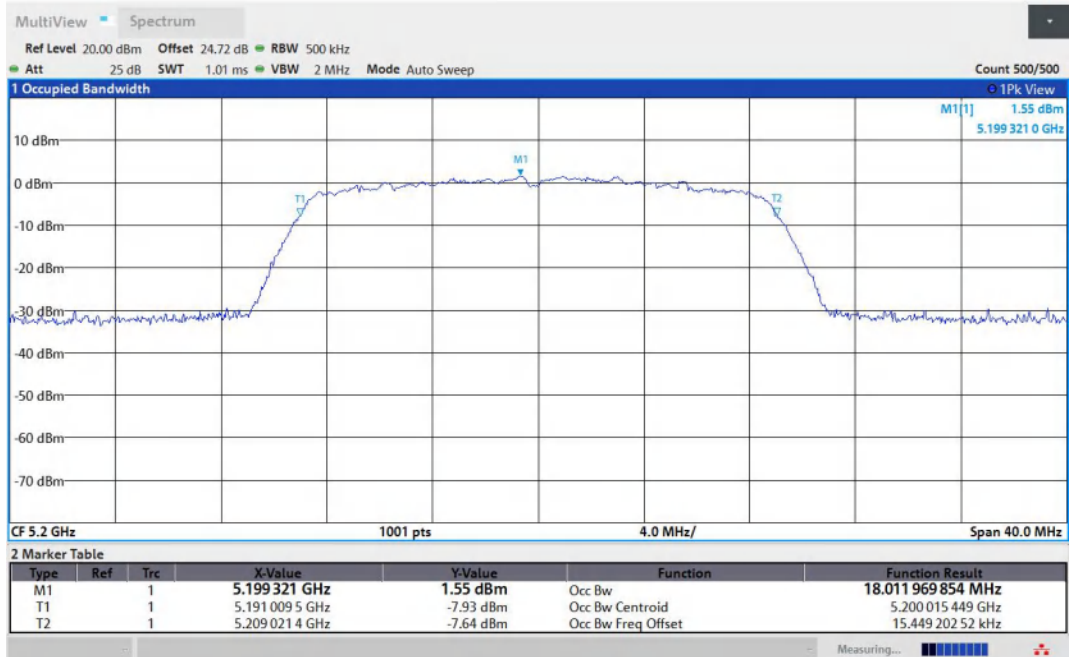
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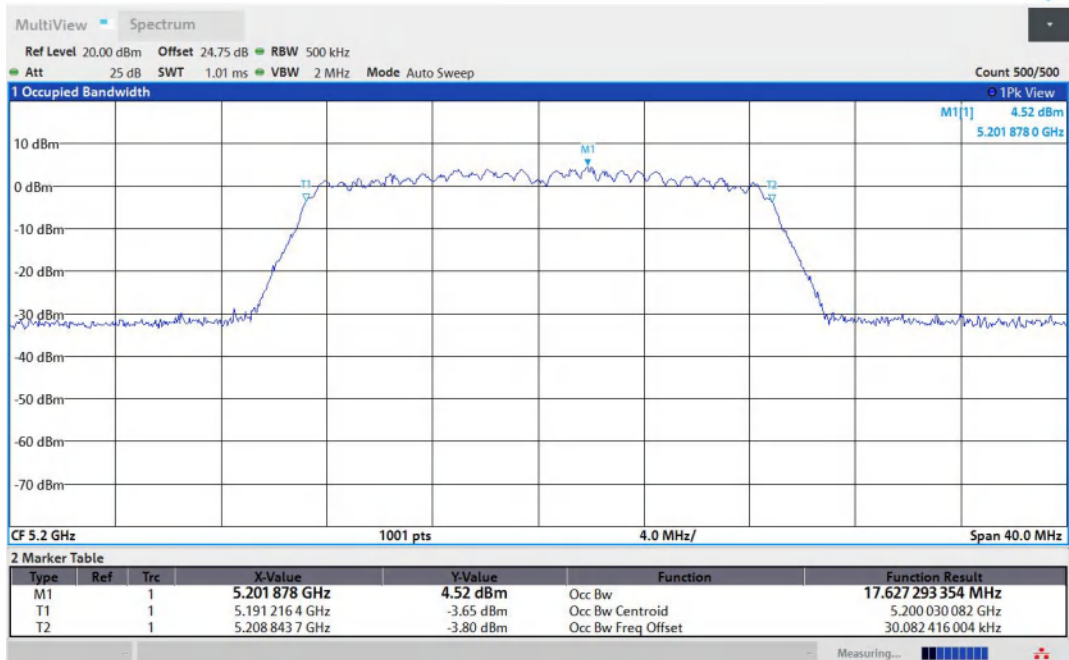
11N20MIMO-Ant1-5180



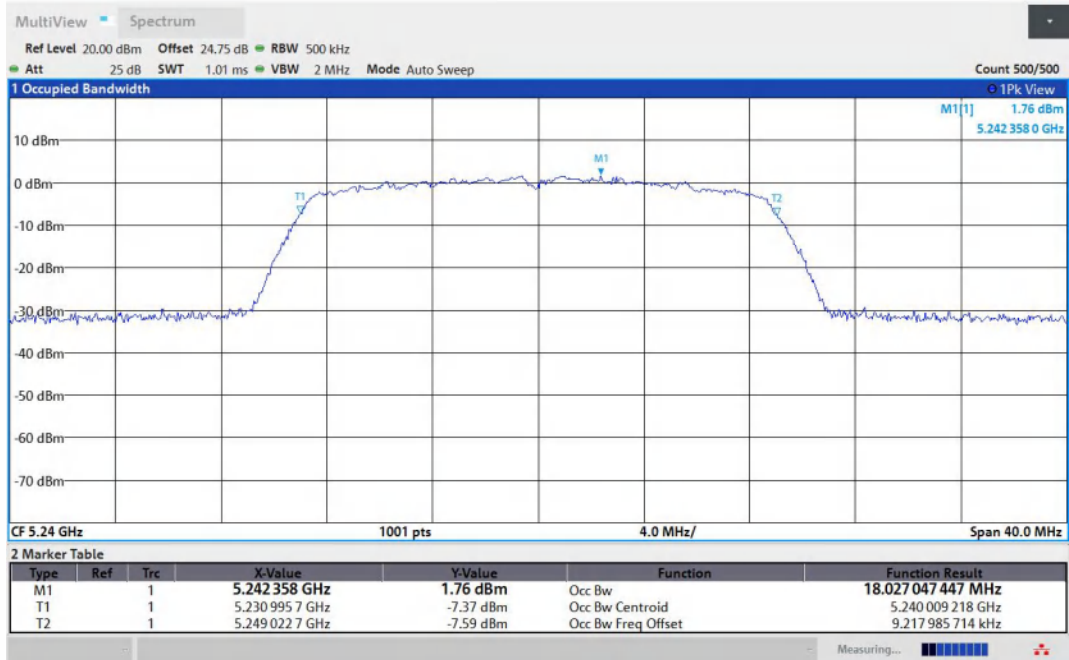
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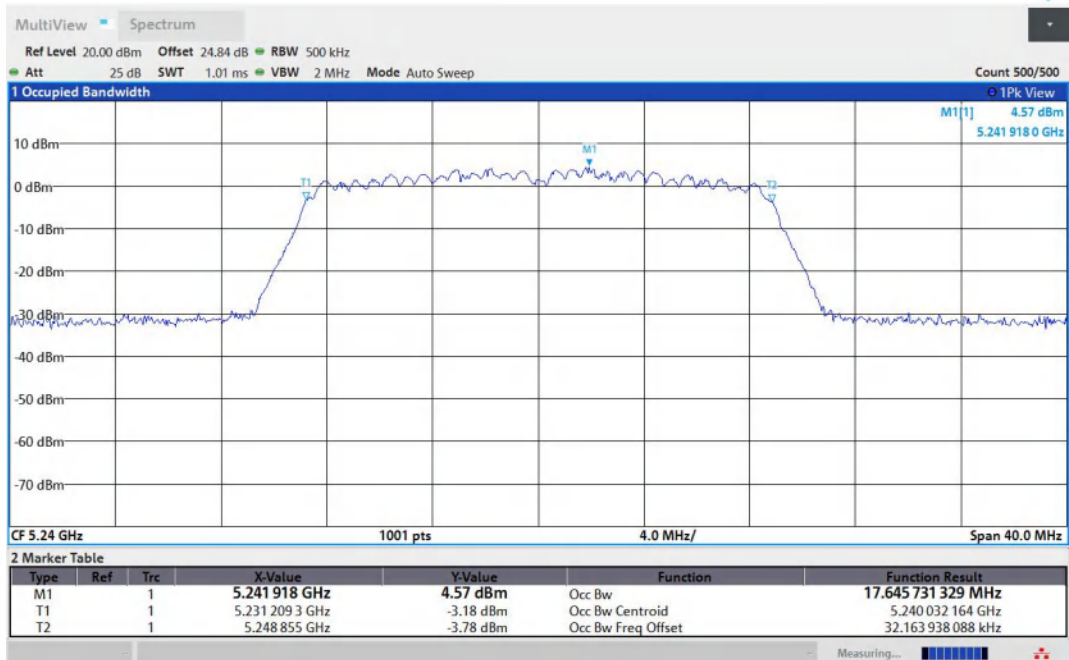
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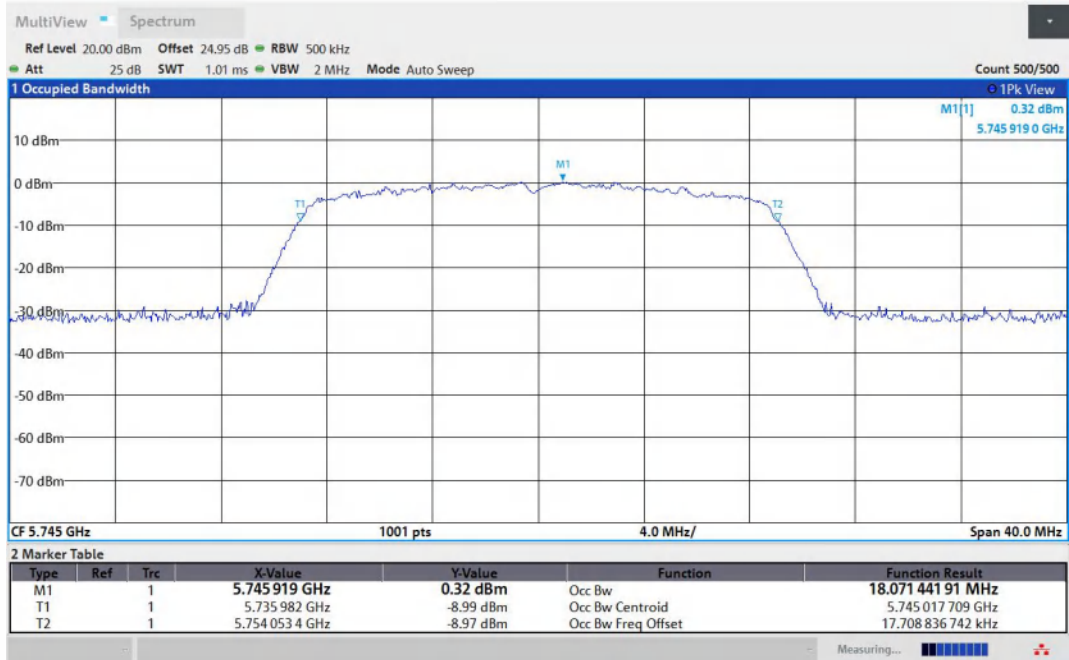
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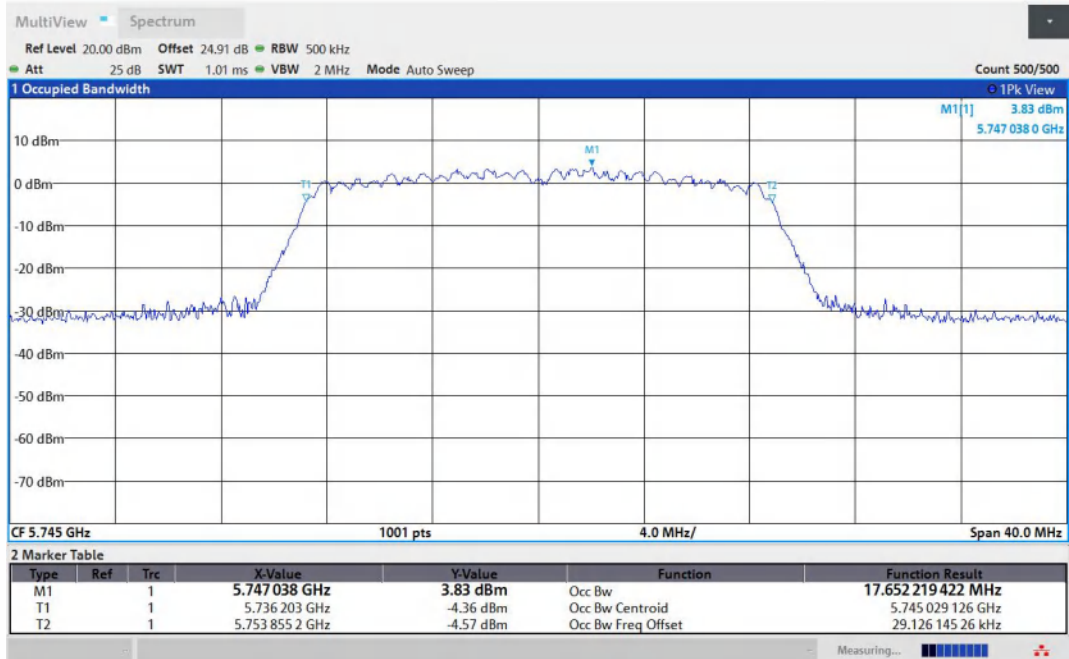
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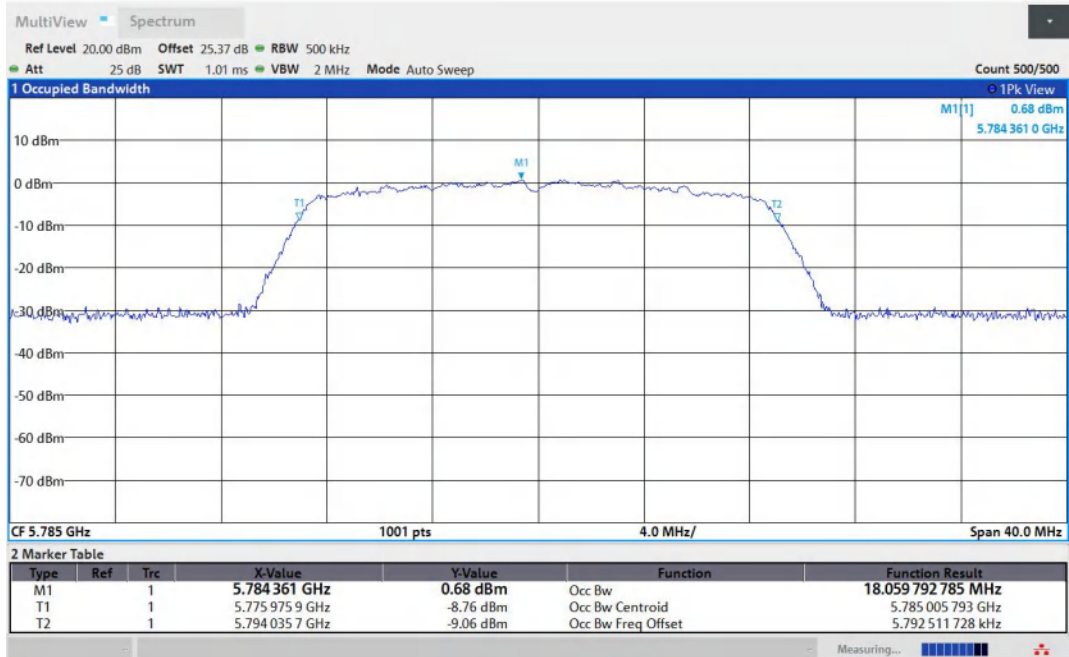
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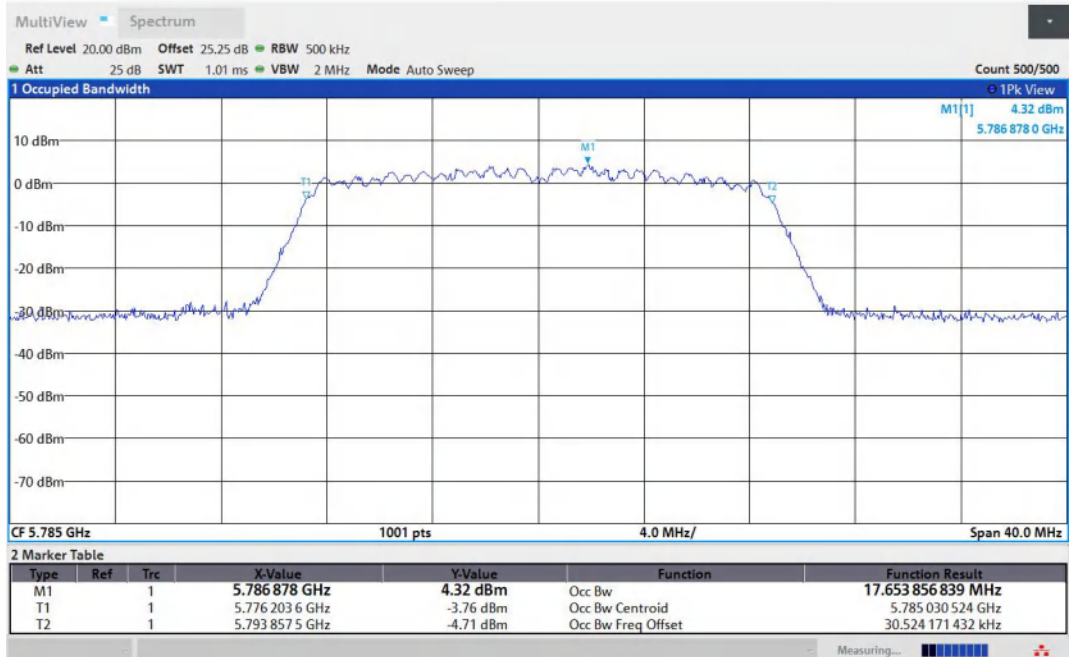
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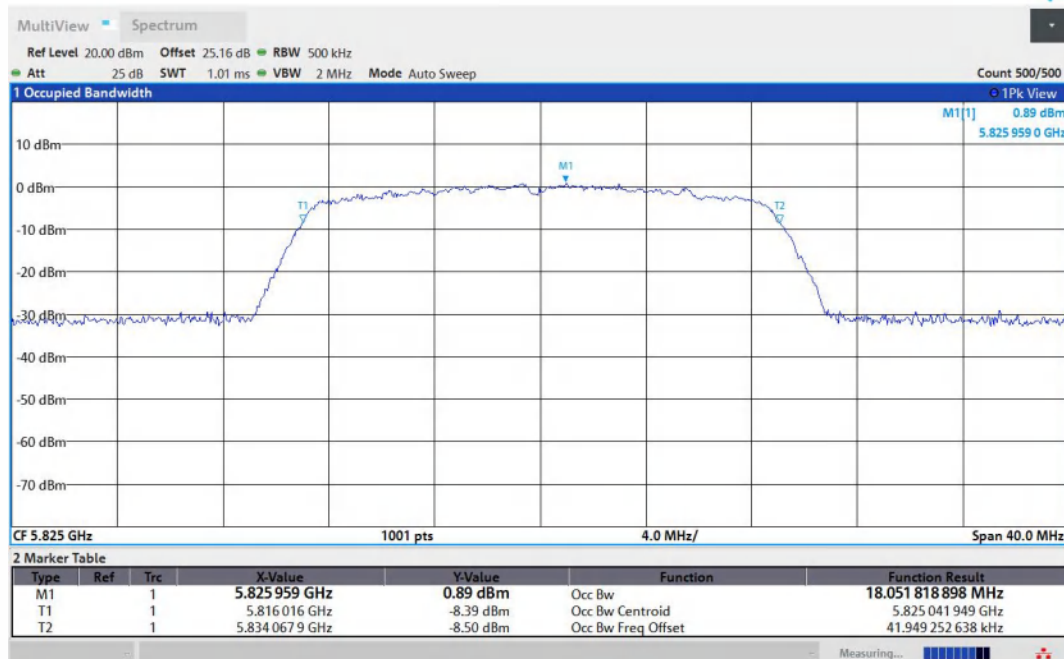
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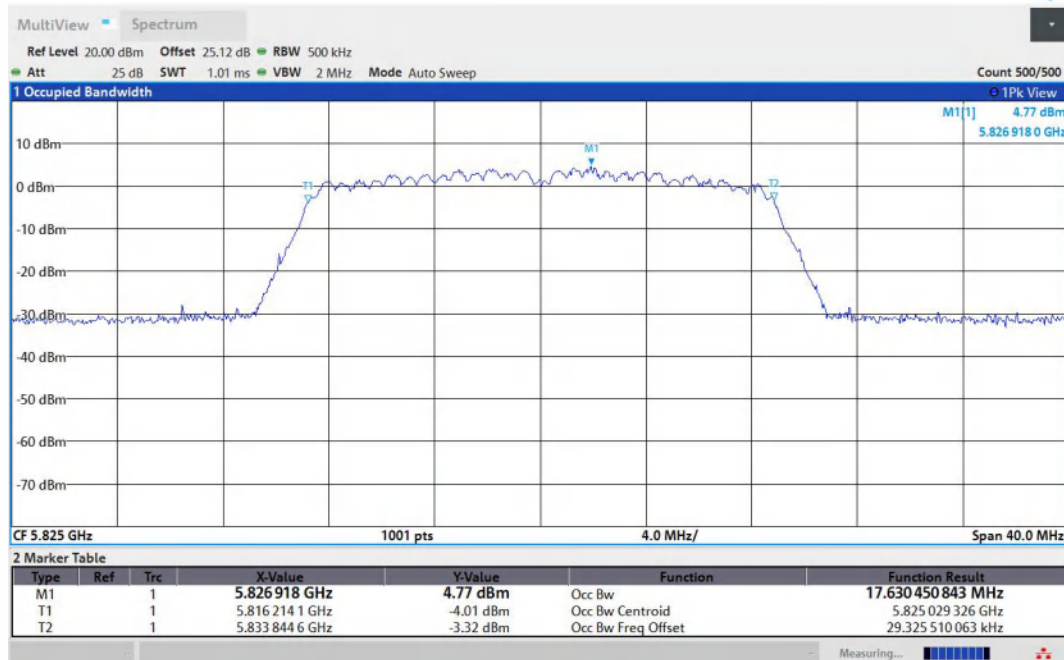
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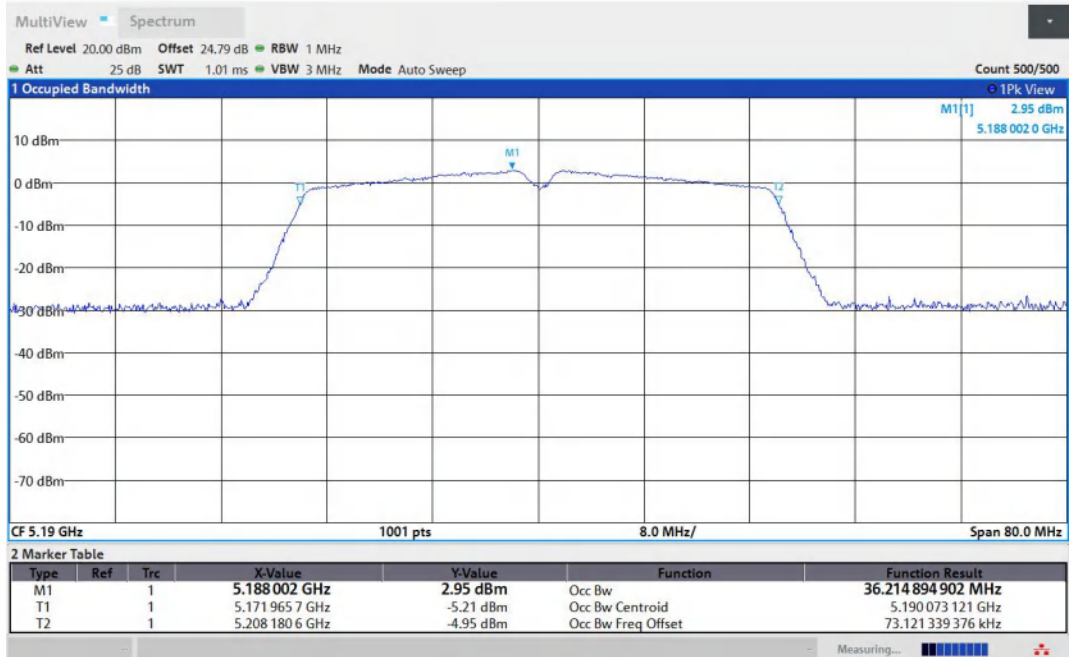
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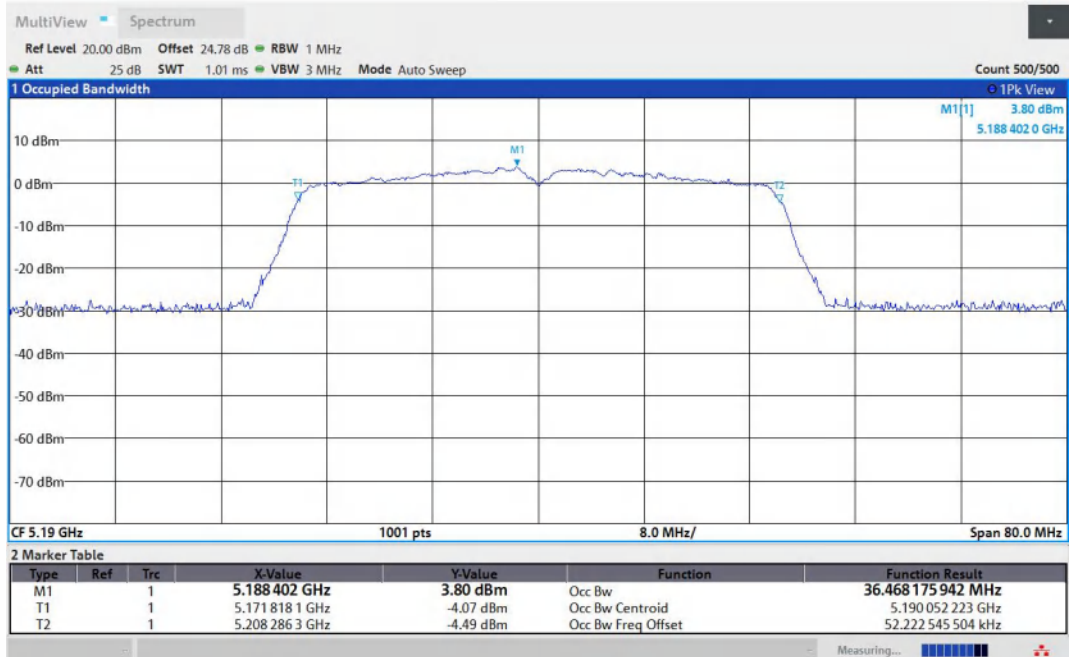
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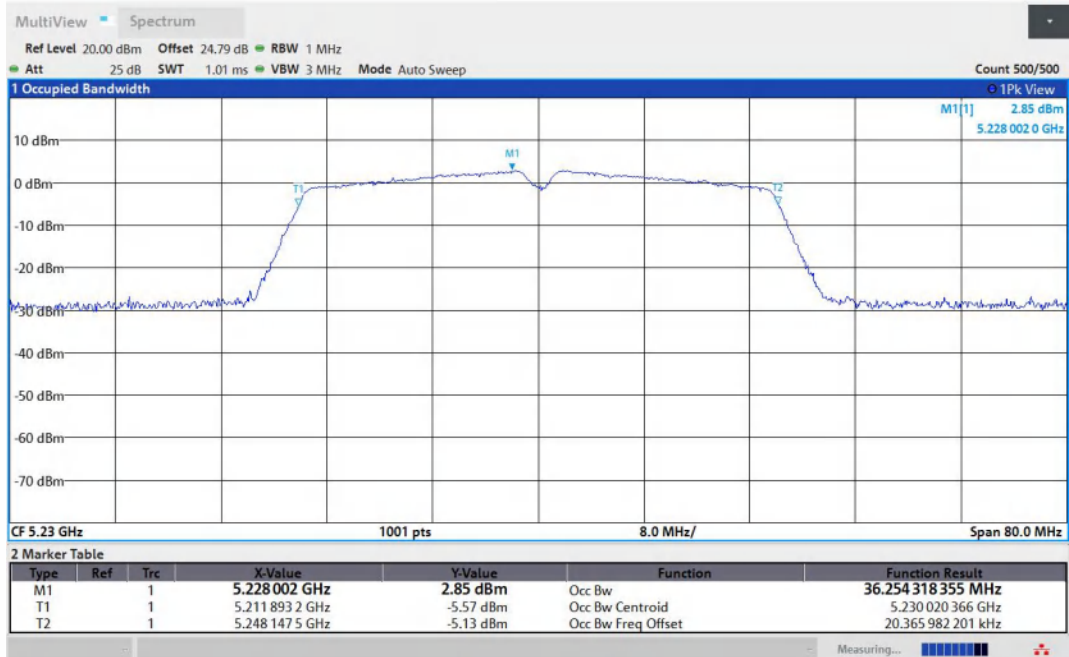
11N20MIMO-Ant2-5825



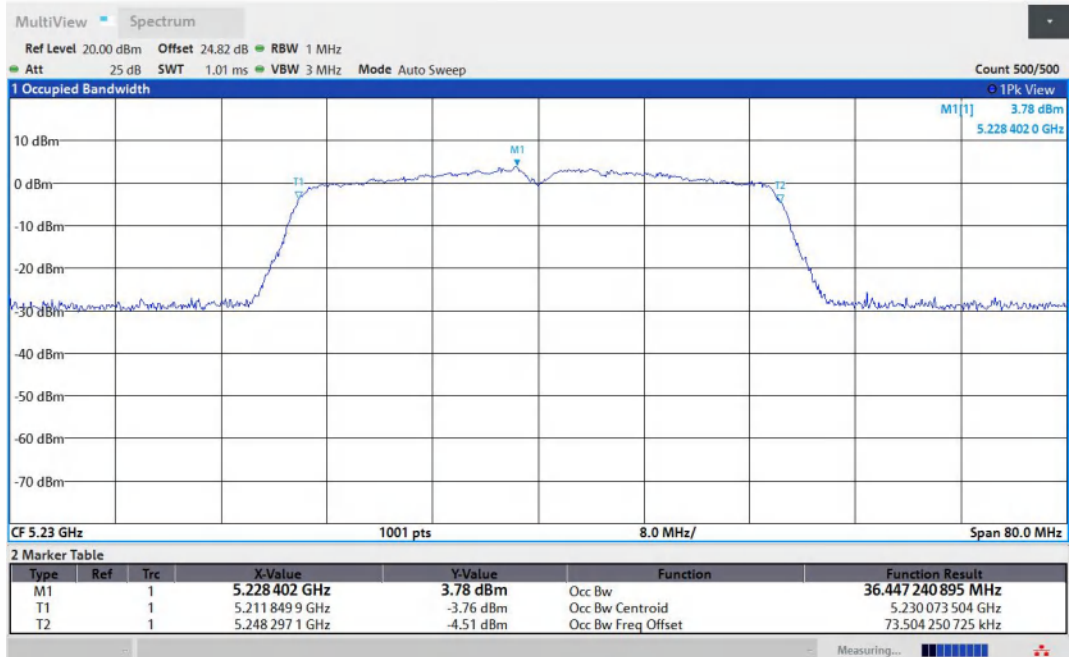
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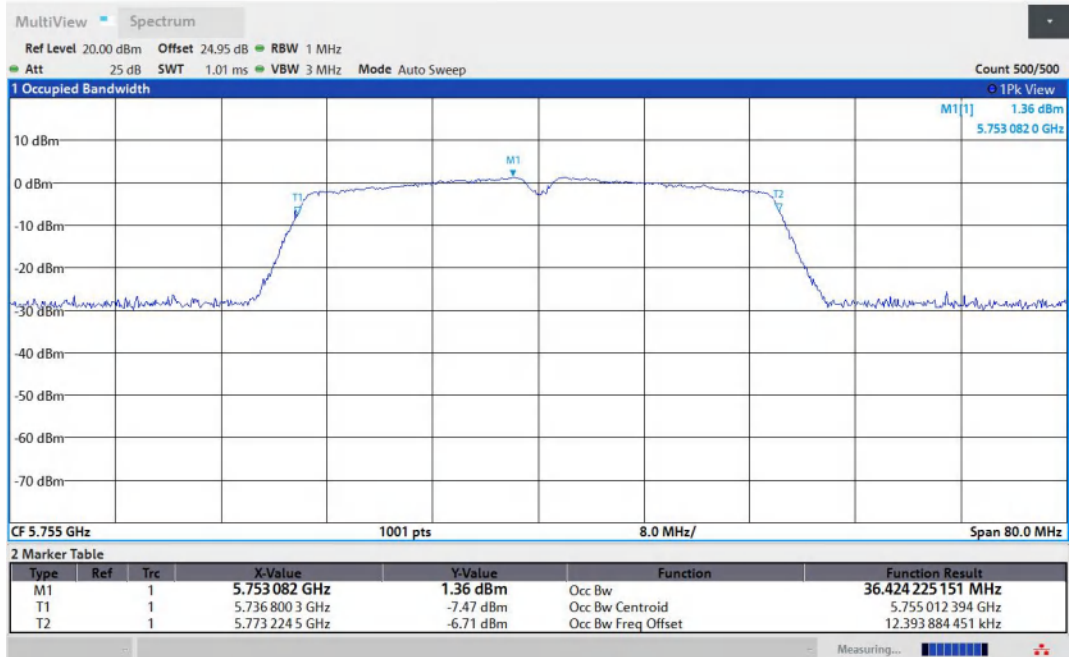
11N40MIMO-Ant2-5190



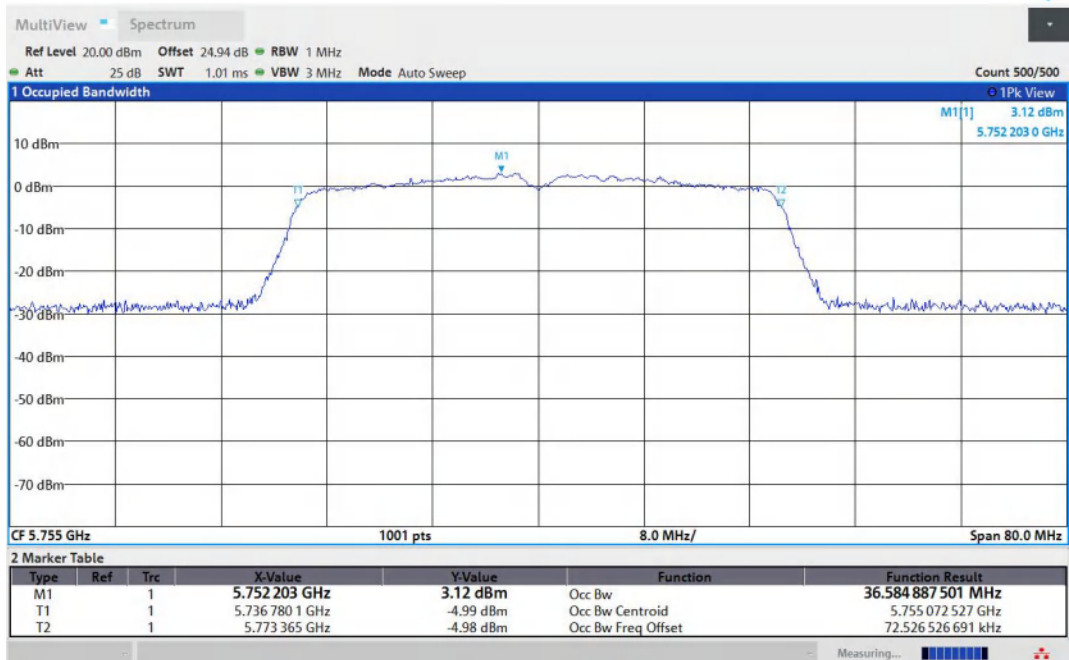
11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230



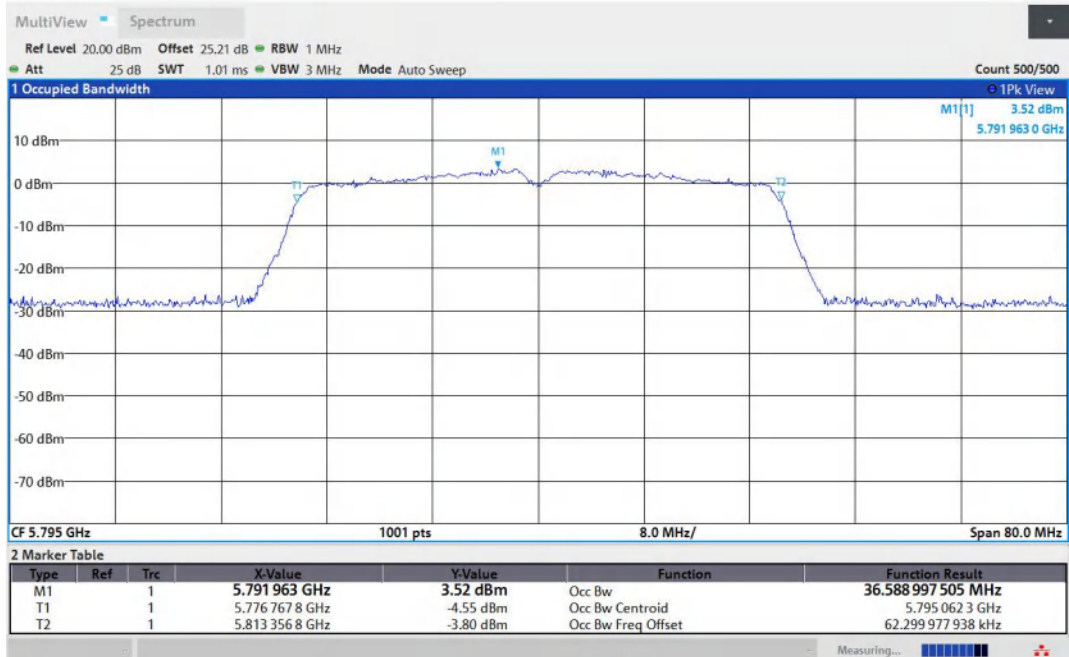
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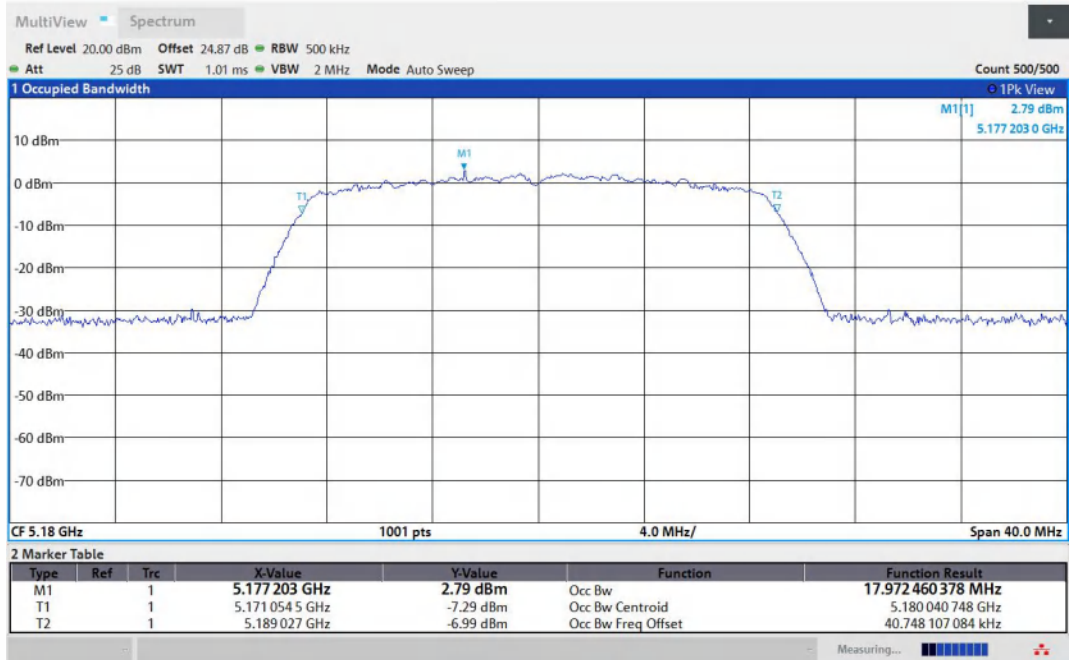
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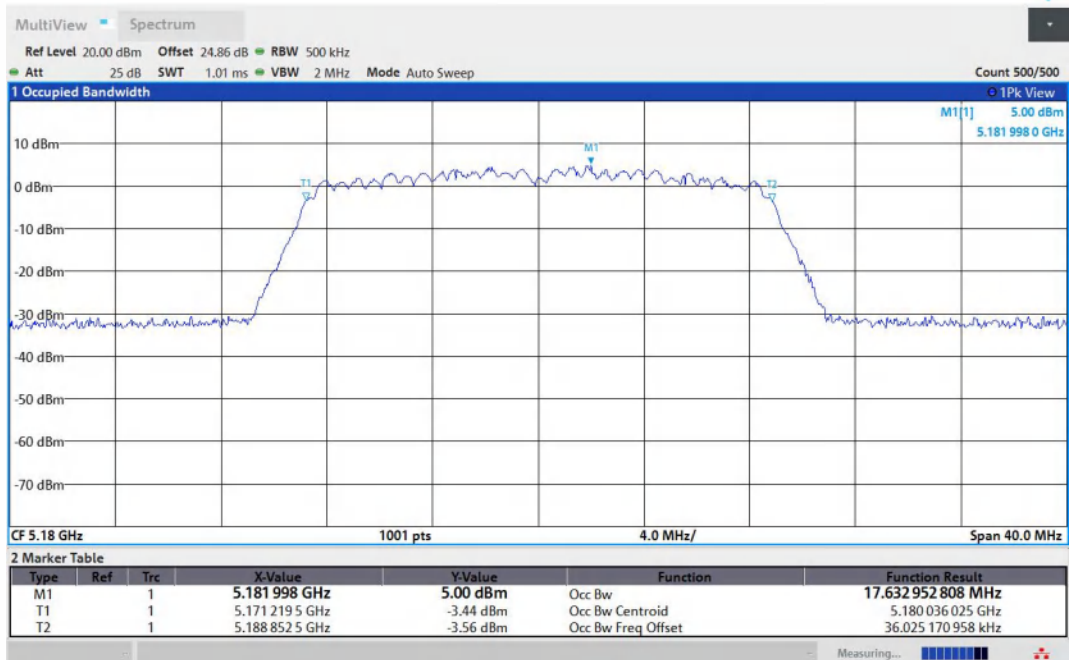
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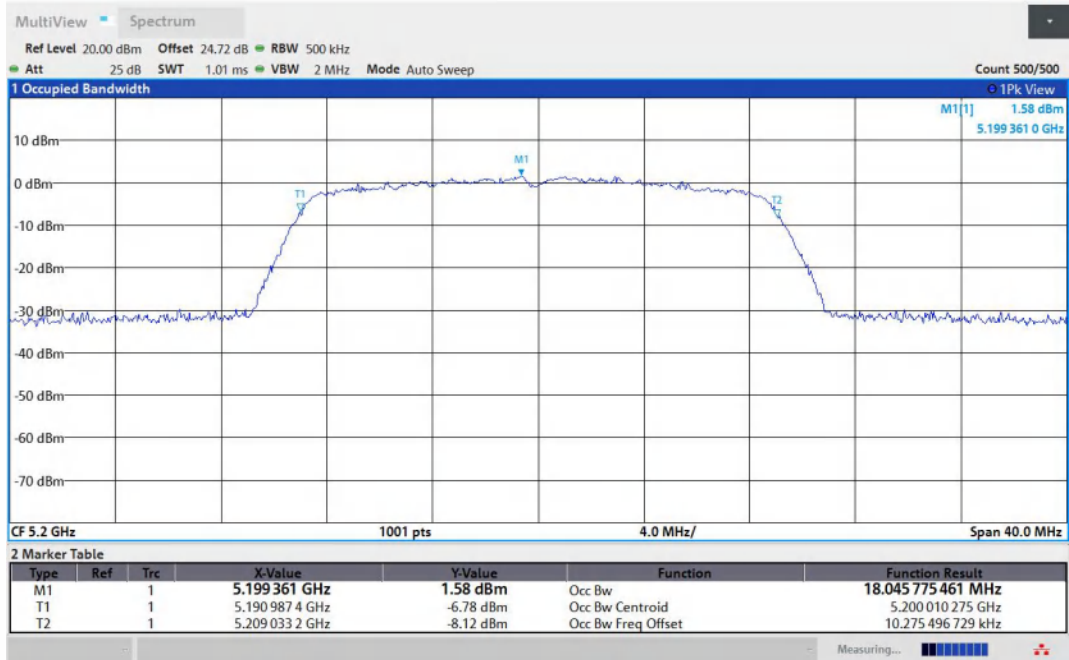
11N40MIMO-Ant2-5795



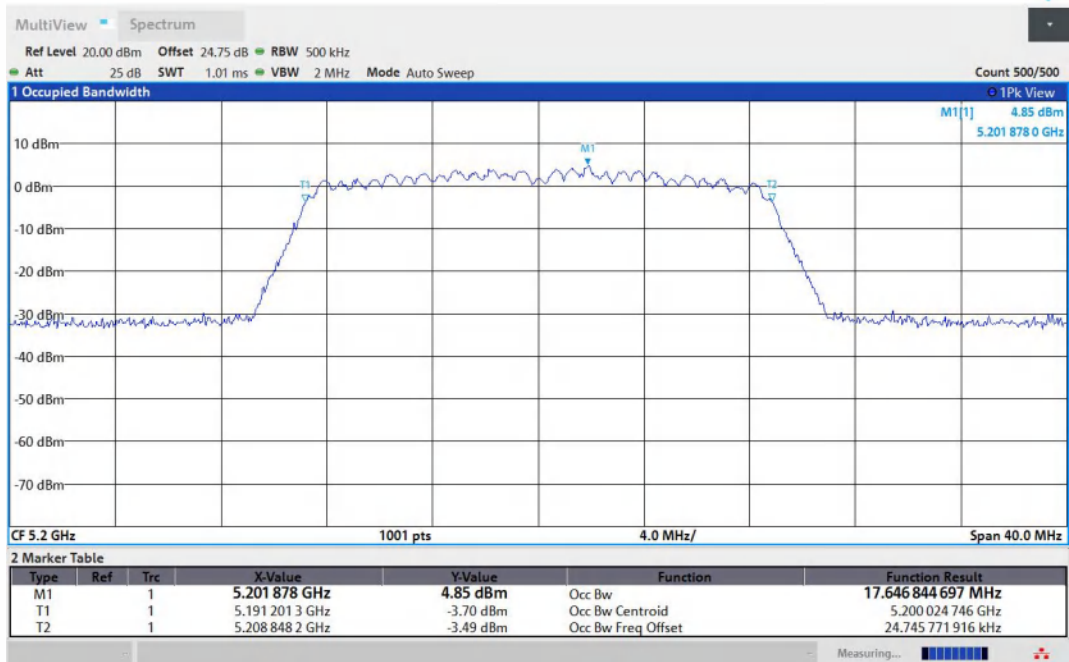
11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



11AC20MIMO-Ant1-5200



11AC20MIMO-Ant2-5200