

TEST REPORT

Product Name : STB
Model Number : VT-IBOX-MT70-P
FCC ID : 2BEA6PD251

Prepared for : Vantron Technology, Inc.
Address : 48434 Milmont Drive Fremont, CA 94538-7324, USA

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2505300021W00204R
Date(s) of Tests : June 1, 2025 to June 30, 2025
Date of issue : July 3, 2025

1 TEST RESULT CERTIFICATION

Applicant : Vantron Technology, Inc.
Address : 48434 Milmont Drive Fremont, CA 94538-7324, USA
Manufacturer : Vantron Technology, Inc.
Address : 48434 Milmont Drive Fremont, CA 94538-7324, USA
EUT : STB
Model Name : VT-IBOX-MT70-P
Trademark : Vantron


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 2(02-2017)	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 2 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 June 30, 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	ENS2505300021W00204R	/	Original Report



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2 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Product:	STB
Model Number:	VT-IBOX-MT70-P
Sample Number:	2#
Wifi Type:	Wifi 5G with 5150MHz-5250MHz Band Wifi 5G with 5725MHz-5850MHz Band
WLAN Supported:	802.11a/n/ac
Data Rate :	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: MCS0-MCS15 802.11ac: MCS0-MCS9 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:	ANT 1: 5.30 dBi ANT 2: 4.20 dBi
Test Voltage:	AC 120V/60Hz
Temperature Range:	0° C ~ +60° C
Note: 1.For more details, please refer to the User's manual of the EUT.	

3 SUMMARY OF TEST RESULT

FCC Part Clause	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:2BEA6PD251** 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 2(02-2017)

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
Pre-Amplifier	Bonn	BLMA 011001N	2213967A	2024/10/18	1Year
EMI Test Receiver	Rohde & Schwarz	ESR7	102551	2024/10/18	1Year
Bilog Antenna	Schwarzbeck	VULB9163	9163142	2024/7/8	2Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1198	2025/5/13	2Year
Pre-Amplifier	Bonn	BLMA 0118-5G	2213967B-01	2024/10/18	1Year
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101290	2024/10/18	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2025/5/13	2Year
Pre-Amplifier	Lunar EM	LNA18G26-40	J101213101000 1	2025/5/9	1Year
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102800 1	2025/5/9	1Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2025/5/13	2Year
Wideband Radio Communication Tester	R&S	CMW500	171168	2025/5/9	1Year
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 Type	Manufacturer	Model No.	Serial Number	Last Cal.	Cal. Interval
Wideband Radio Communication Tester	R&S	CMW500	171168	2024/9/18	1Year
Frequency Extender	R&S	CMW-Z800A	100430	2024/9/18	1Year
Spectrum Analyzer	R&S	FSV3044	101289	2024/12/17	1Year
Analog Signal Generator	R&S	SMB100A	183237	2024/9/18	1Year
Vector Signal Generator	R&S	SMM100A	101808	2024/9/18	1Year

RF Control Unit(Power Meter)	Tonscend	JS0806-2	22C8060567	2024/9/18	1Year
Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2025/5/10	1 Year
DC Power Supply	KEYSIGHT	E3642A	MY53030016	2024/9/18	1 Year



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.

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 = $10 \log [(10^{5.5/20} + 10^{5.6/20})^2 / 2]$ dBi=8.56 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:

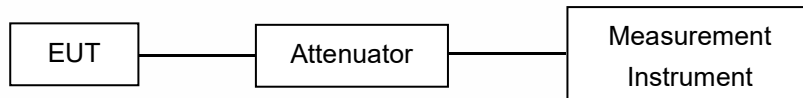
Test Parameter	Measurement Uncertainty
Frequency error	$\pm 20\text{Hz}$
Occupied Bandwidth	$\pm 0.5\text{KHz}$
Transmitter output power	$\pm 0.6\text{dB}$
Conducted spurious emissions	$\pm 3.2\text{dB}$
Radiated spurious emissions	$\pm 4.5\text{dB}$
Temperature	$\pm 1.2^{\circ}\text{C}$
Humidity	$\pm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

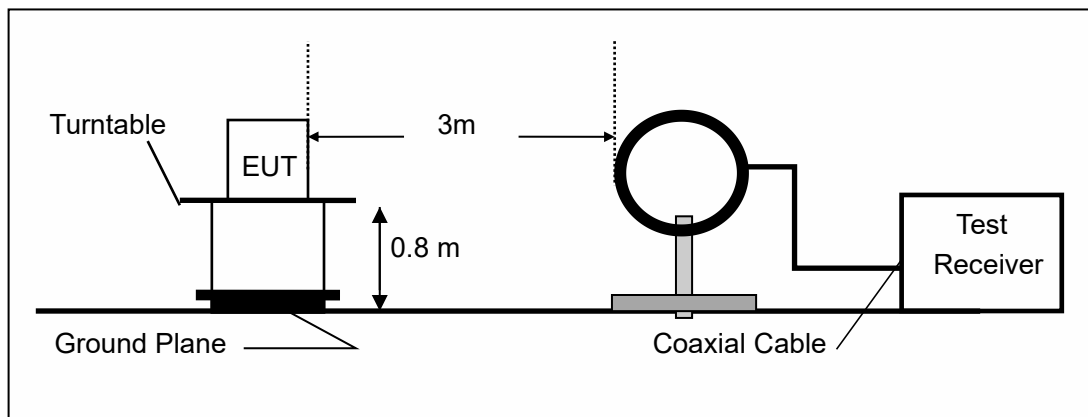
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is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

Above 1GHz:

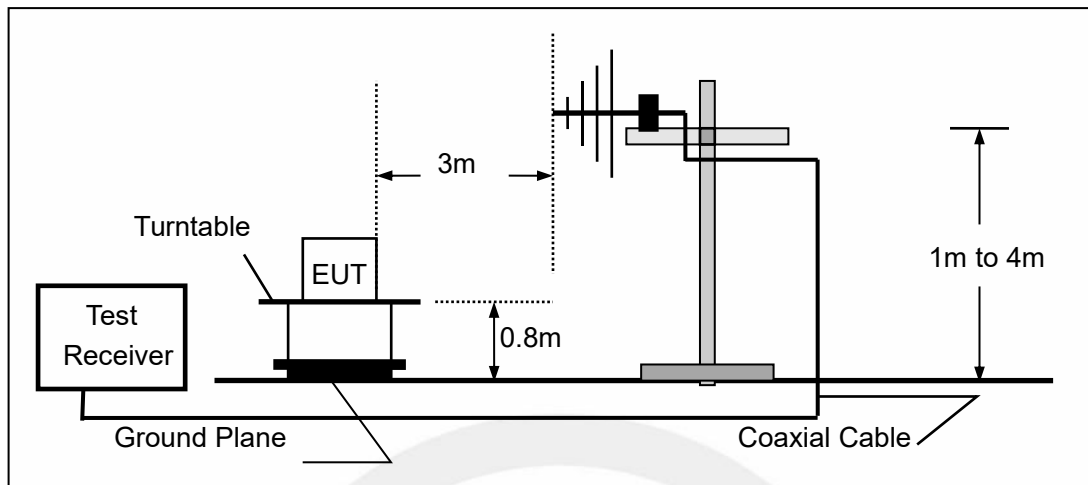
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

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).

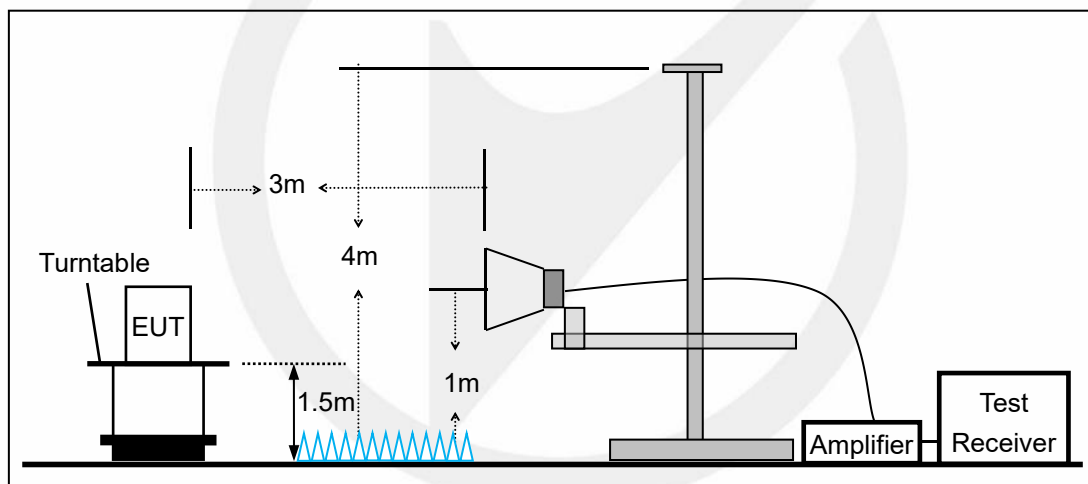
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



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



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

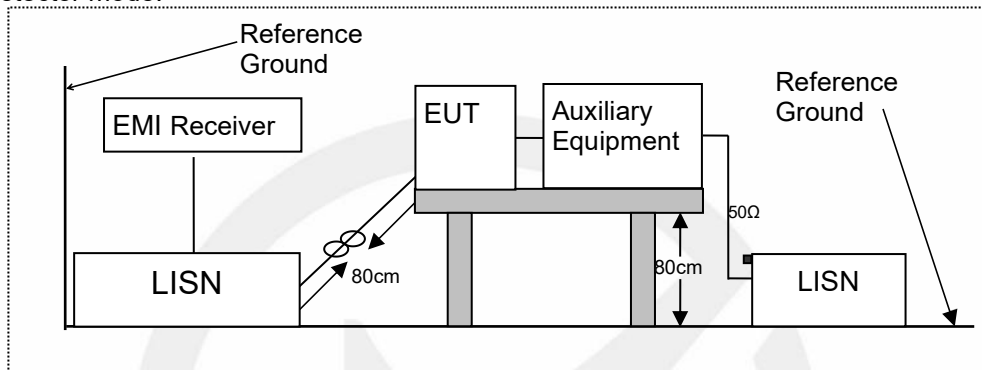


7.3 CONDUCTED EMISSION TEST SETUP

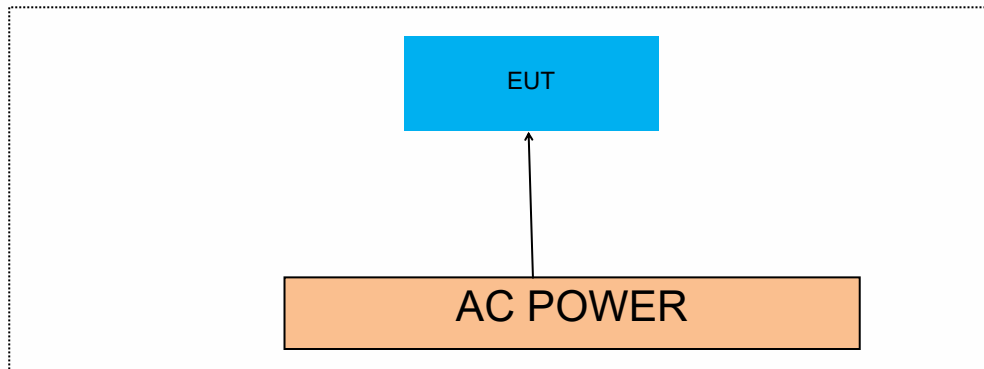
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All 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:	23.4°C
Relative Humidity:	46%
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	20.040	5169.960	5190.000	---	---
11A	Ant2	5180	20.000	5170.080	5190.080	---	---
11A	Ant1	5200	20.200	5189.880	5210.080	---	---
11A	Ant2	5200	20.120	5189.960	5210.080	---	---
11A	Ant1	5240	22.880	5229.160	5252.040	---	---
11A	Ant2	5240	20.000	5229.960	5249.960	---	---
11A	Ant1	5745	29.520	5731.440	5760.960	---	---
11A	Ant2	5745	27.520	5731.360	5758.880	---	---
11A	Ant1	5785	30.280	5769.760	5800.040	---	---
11A	Ant2	5785	30.720	5769.320	5800.040	---	---
11A	Ant1	5825	27.120	5811.480	5838.600	---	---
11A	Ant2	5825	32.840	5809.400	5842.240	---	---
11N20MIMO	Ant1	5180	20.360	5169.920	5190.280	---	---
11N20MIMO	Ant2	5180	20.120	5169.960	5190.080	---	---
11N20MIMO	Ant1	5200	20.160	5189.840	5210.000	---	---
11N20MIMO	Ant2	5200	20.400	5189.840	5210.240	---	---
11N20MIMO	Ant1	5240	20.360	5229.920	5250.280	---	---
11N20MIMO	Ant2	5240	20.080	5230.080	5250.160	---	---
11N20MIMO	Ant1	5745	20.280	5734.880	5755.160	---	---
11N20MIMO	Ant2	5745	20.160	5734.840	5755.000	---	---
11N20MIMO	Ant1	5785	20.440	5774.760	5795.200	---	---
11N20MIMO	Ant2	5785	20.160	5775.000	5795.160	---	---
11N20MIMO	Ant1	5825	20.240	5814.840	5835.080	---	---
11N20MIMO	Ant2	5825	20.360	5814.800	5835.160	---	---
11N40MIMO	Ant1	5190	41.120	5169.680	5210.800	---	---
11N40MIMO	Ant2	5190	40.800	5169.760	5210.560	---	---
11N40MIMO	Ant1	5230	40.960	5209.360	5250.320	---	---
11N40MIMO	Ant2	5230	39.680	5210.240	5249.920	---	---
11N40MIMO	Ant1	5755	41.440	5734.440	5775.880	---	---
11N40MIMO	Ant2	5755	40.160	5735.080	5775.240	---	---
11N40MIMO	Ant1	5795	77.040	5756.200	5833.240	---	---
11N40MIMO	Ant2	5795	40.000	5774.760	5814.760	---	---
11AC20MIMO	Ant1	5180	20.280	5169.880	5190.160	---	---
11AC20MIMO	Ant2	5180	19.960	5169.920	5189.880	---	---
11AC20MIMO	Ant1	5200	20.440	5189.800	5210.240	---	---
11AC20MIMO	Ant2	5200	20.360	5189.800	5210.160	---	---
11AC20MIMO	Ant1	5240	20.520	5229.840	5250.360	---	---
11AC20MIMO	Ant2	5240	20.000	5230.000	5250.000	---	---
11AC20MIMO	Ant1	5745	20.320	5734.800	5755.120	---	---
11AC20MIMO	Ant2	5745	20.040	5735.000	5755.040	---	---
11AC20MIMO	Ant1	5785	20.680	5774.760	5795.440	---	---
11AC20MIMO	Ant2	5785	20.000	5774.960	5794.960	---	---
11AC20MIMO	Ant1	5825	20.640	5814.680	5835.320	---	---
11AC20MIMO	Ant2	5825	20.080	5814.880	5834.960	---	---
11AC40MIMO	Ant1	5190	44.080	5169.200	5213.280	---	---
11AC40MIMO	Ant2	5190	39.600	5170.080	5209.680	---	---
11AC40MIMO	Ant1	5230	48.000	5202.480	5250.480	---	---
11AC40MIMO	Ant2	5230	39.520	5210.320	5249.840	---	---

11AC40MIMO	Ant1	5755	67.920	5726.440	5794.360	---	---
11AC40MIMO	Ant2	5755	40.320	5734.680	5775.000	---	---
11AC40MIMO	Ant1	5795	72.400	5757.720	5830.120	---	---
11AC40MIMO	Ant2	5795	39.680	5775.080	5814.760	---	---
11AC80MIMO	Ant1	5210	151.520	5137.840	5289.360	---	---
11AC80MIMO	Ant2	5210	80.480	5169.520	5250.000	---	---
11AC80MIMO	Ant1	5775	160.000	5695.000	5855.000	---	---
11AC80MIMO	Ant2	5775	80.480	5734.520	5815.000	---	---





11A-Ant1-5180



11A-Ant2-5180



11A-Ant1-5200



11A-Ant2-5200



11A-Ant1-5240



11A-Ant2-5240



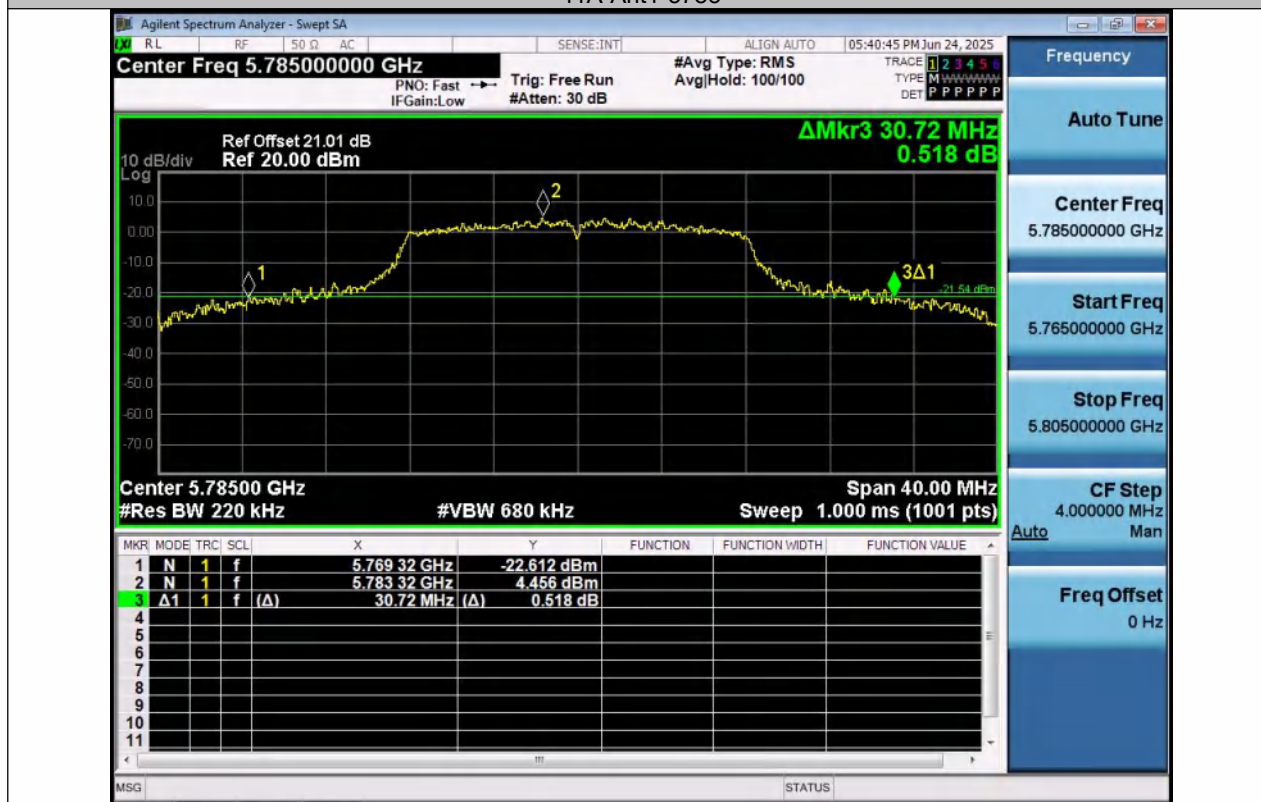
11A-Ant1-5745



11A-Ant2-5745



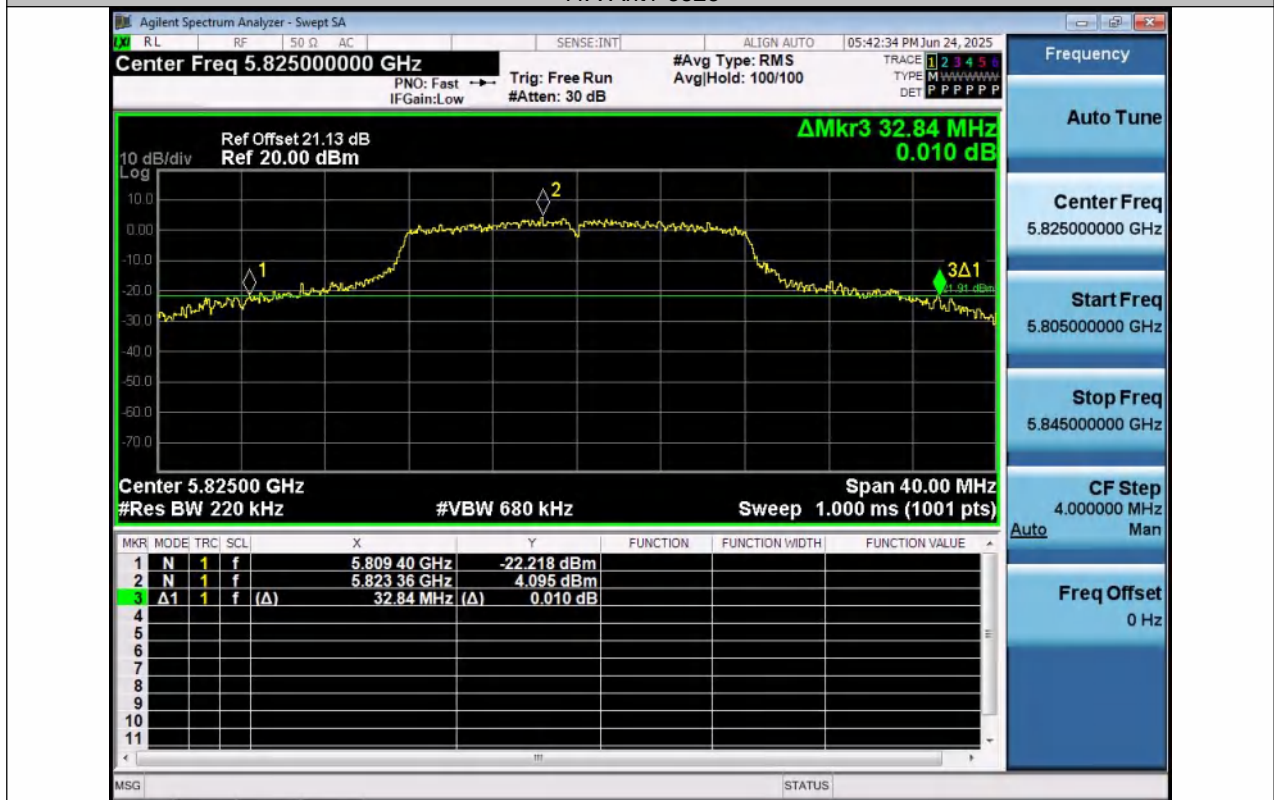
11A-Ant1-5785



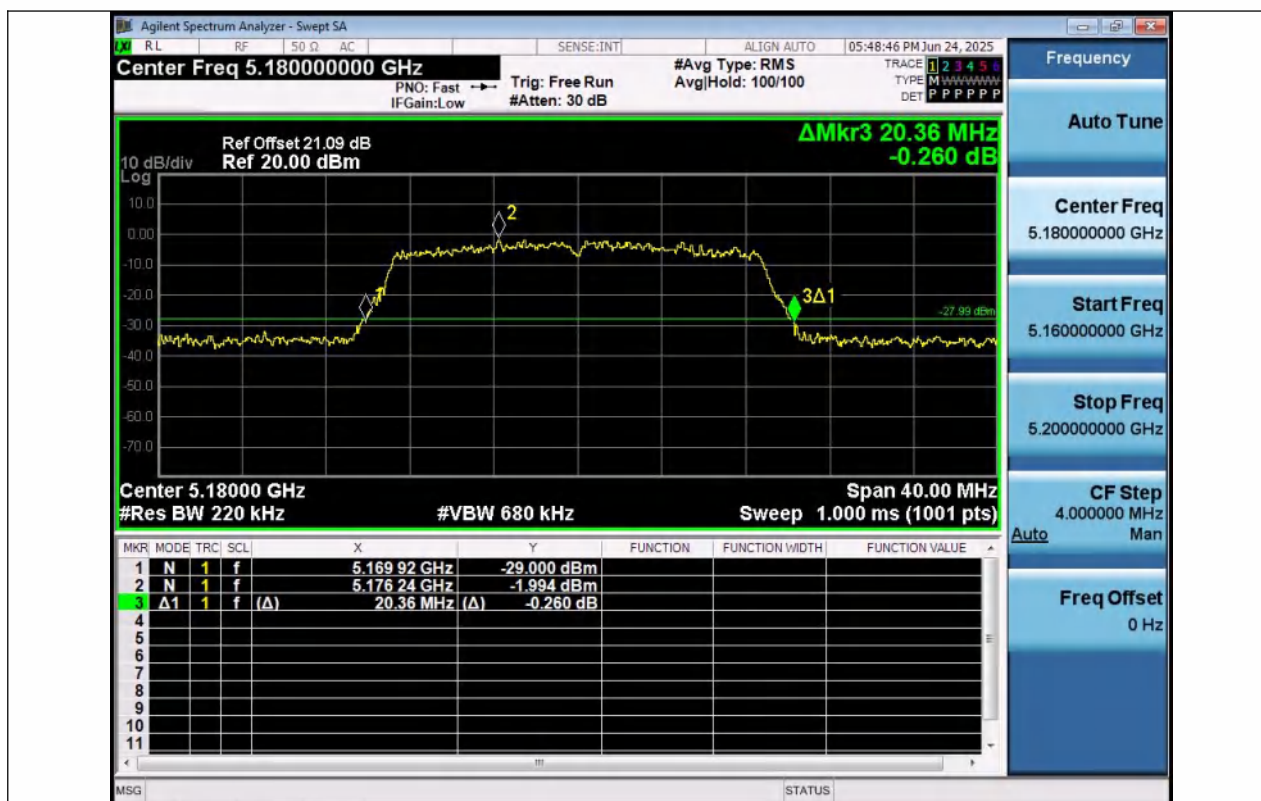
11A-Ant2-5785



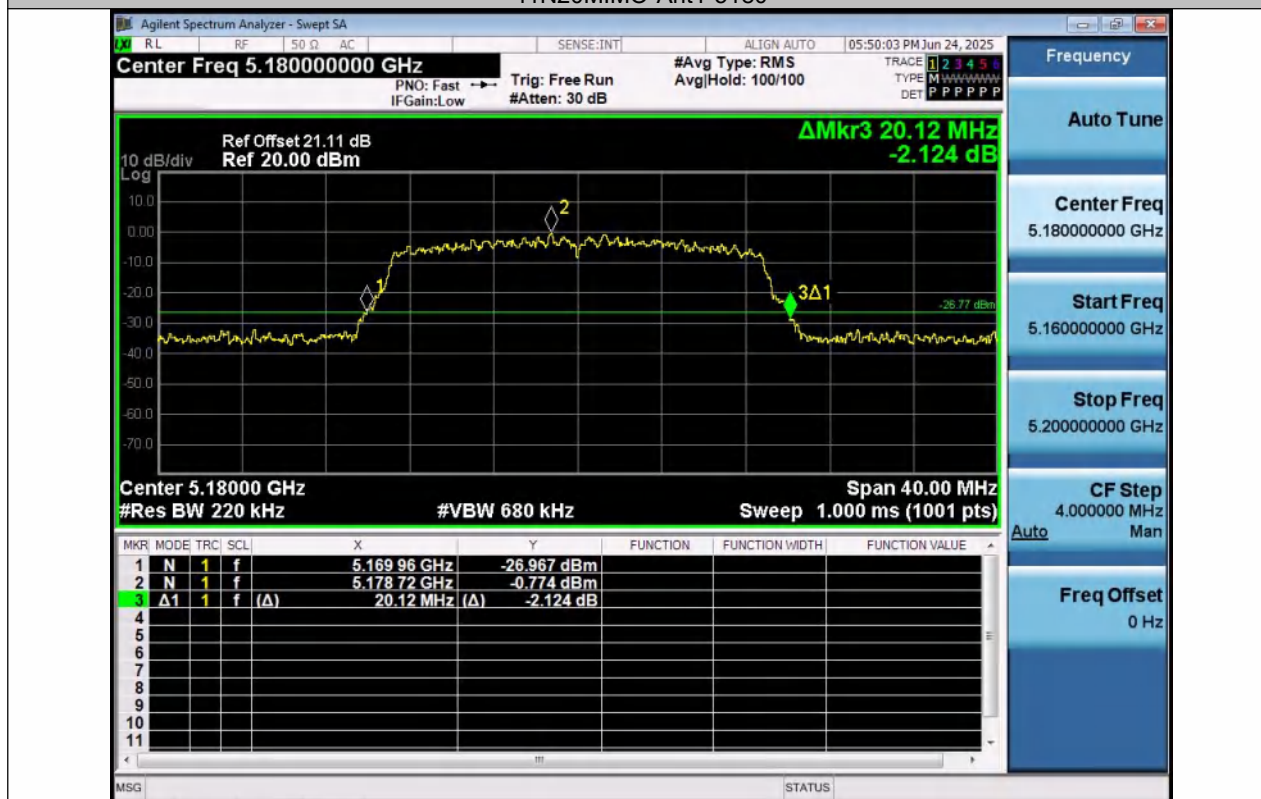
11A-Ant1-5825



11A-Ant2-5825



11N20MIMO-Ant1-5180



11N20MIMO-Ant2-5180



11N20MIMO-Ant1-5200



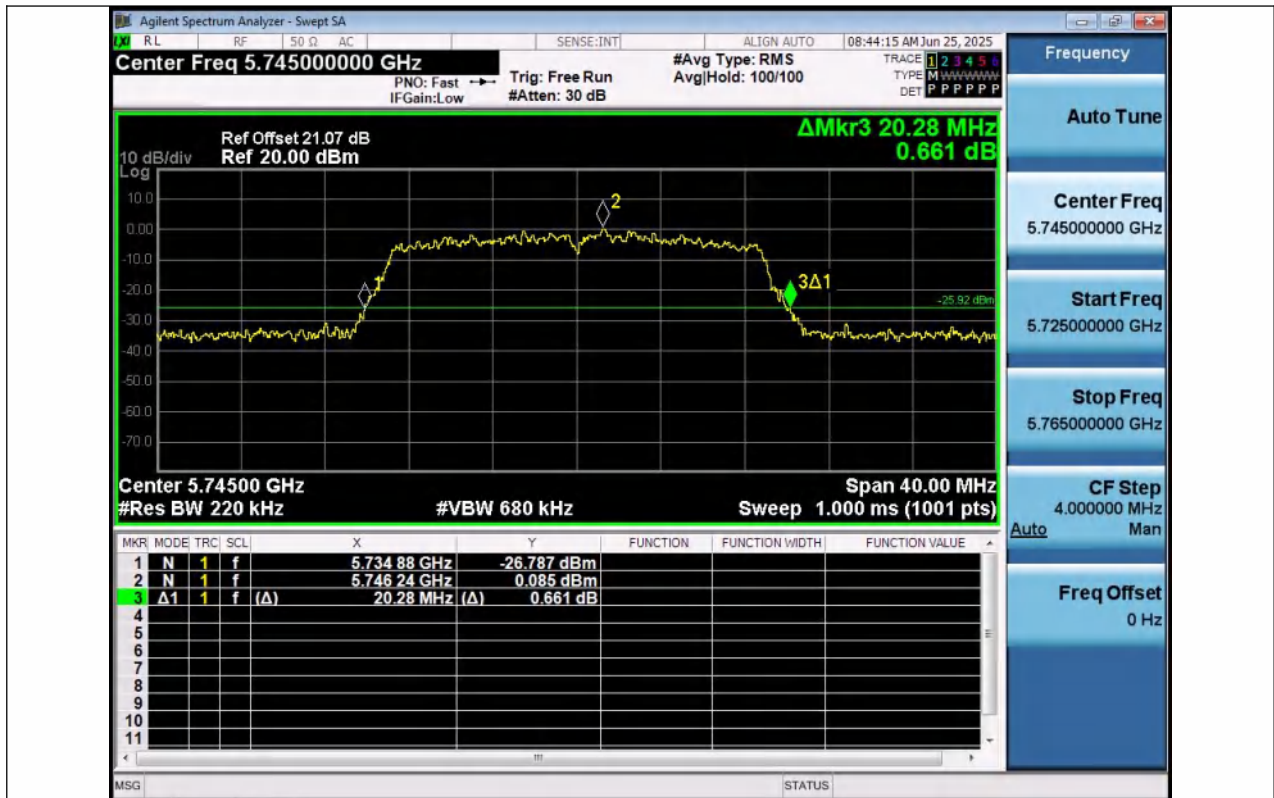
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11N20MIMO-Ant1-5240



11N20MIMO-Ant2-5240



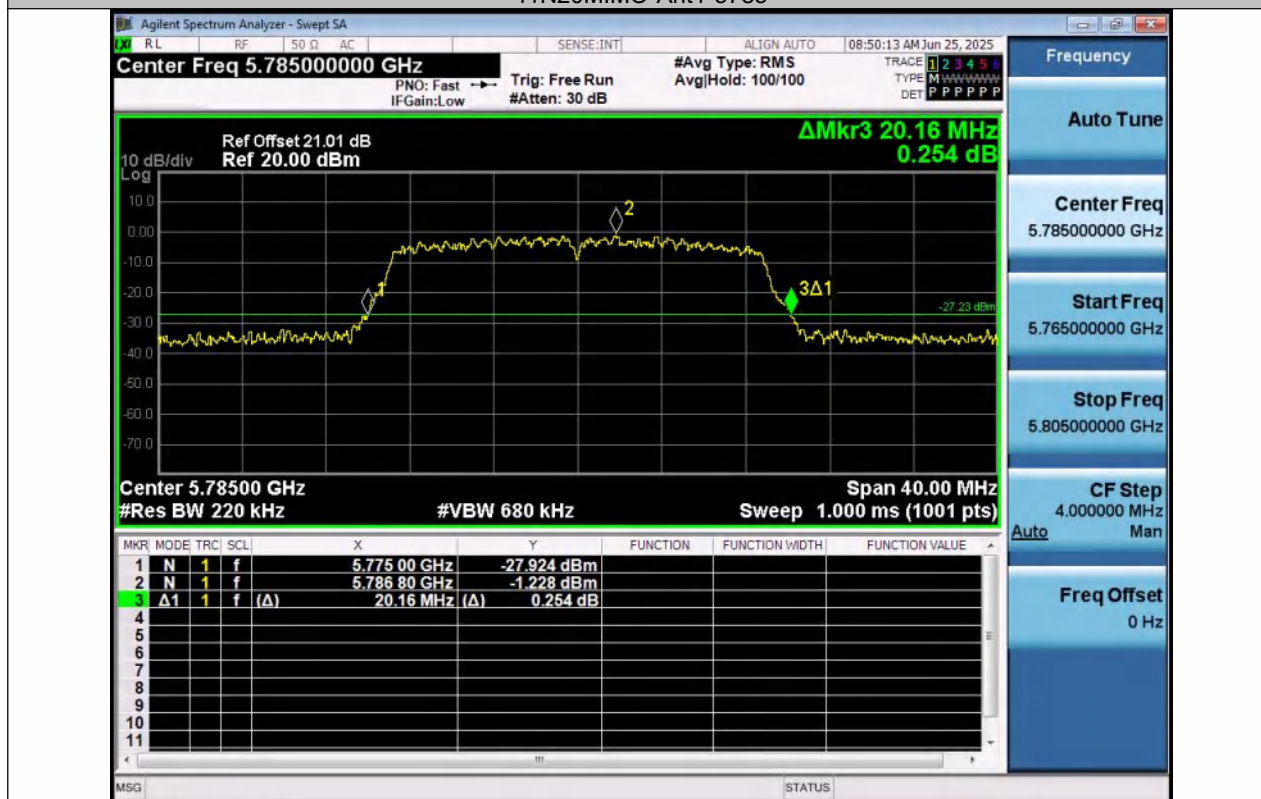
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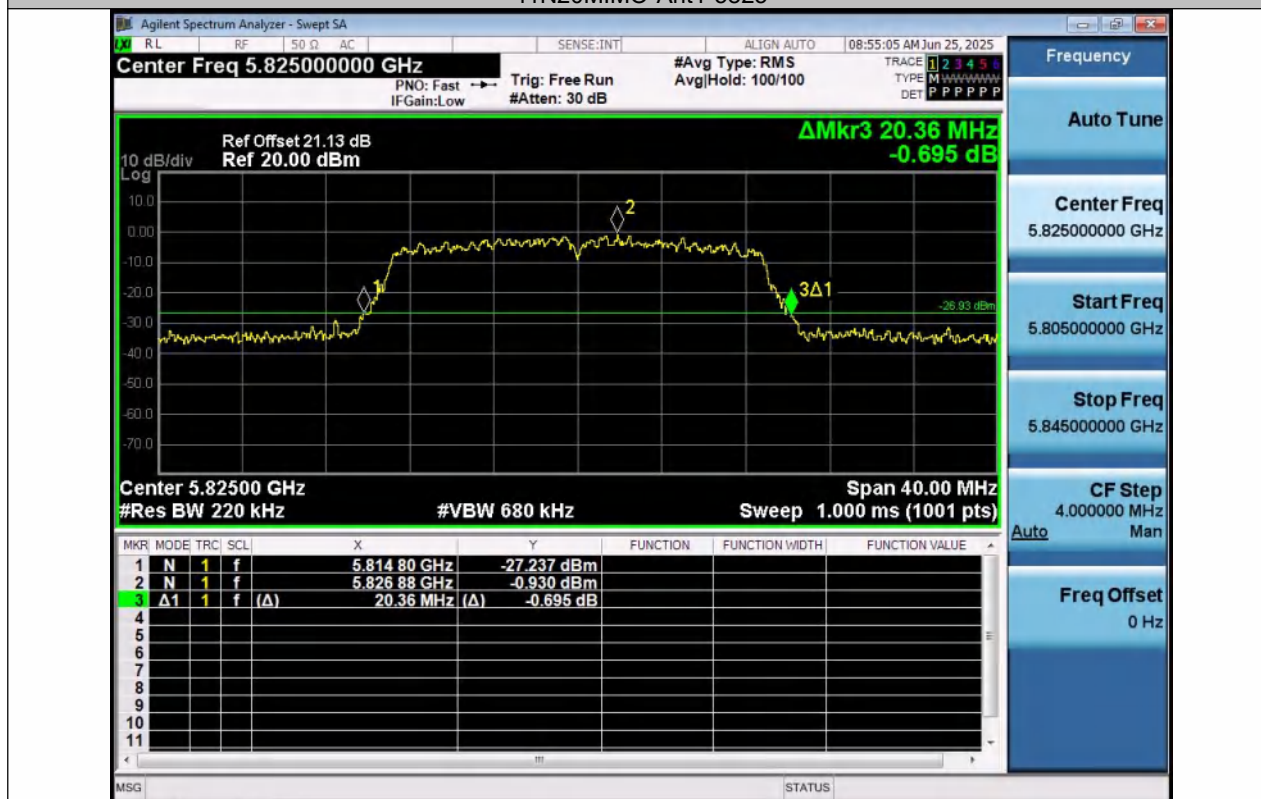
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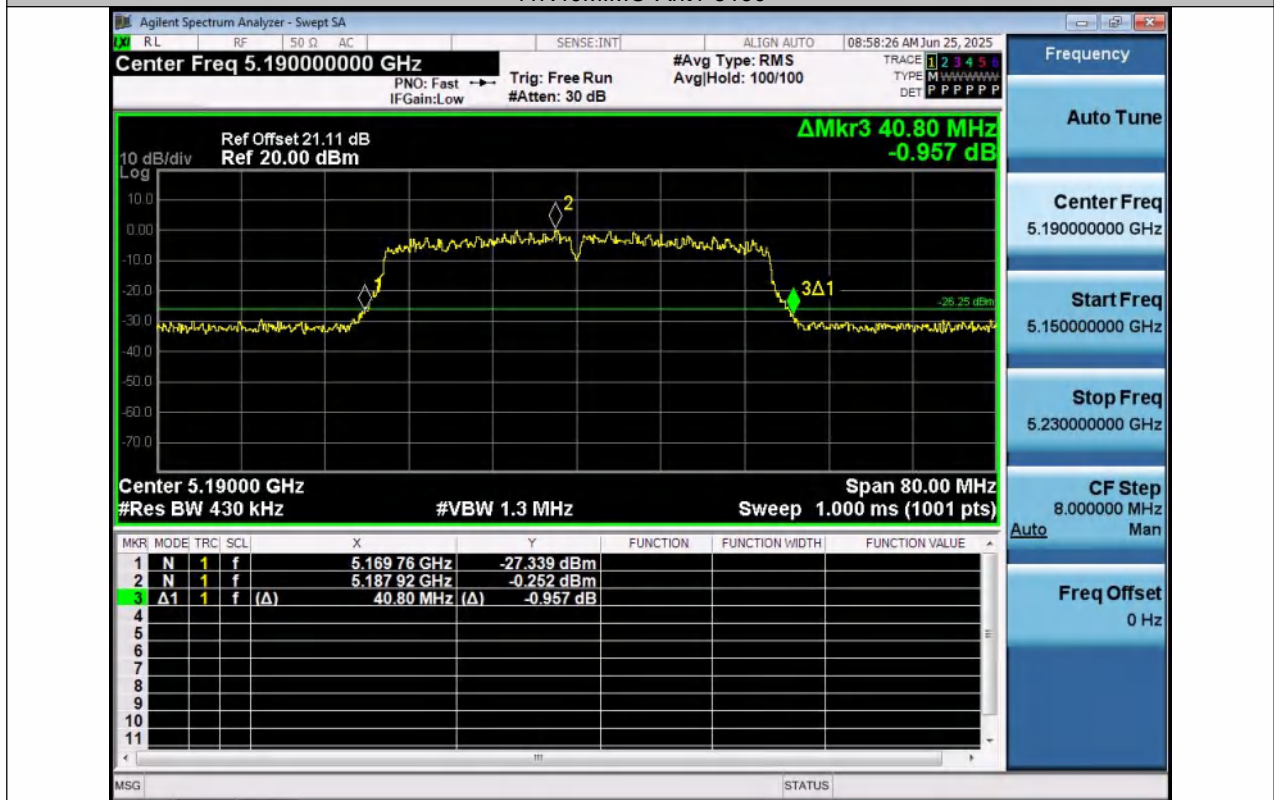
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11N20MIMO-Ant2-5825

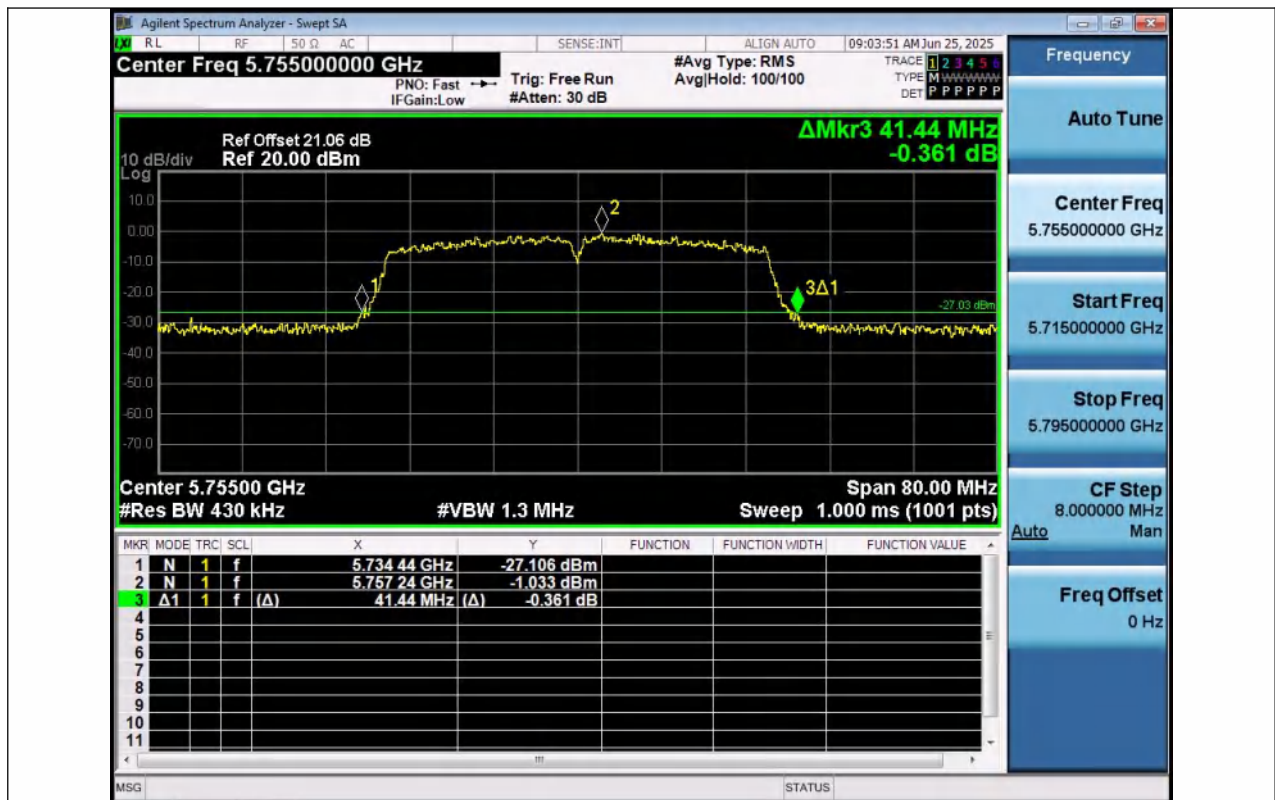


11N40MIMO-Ant1-5190

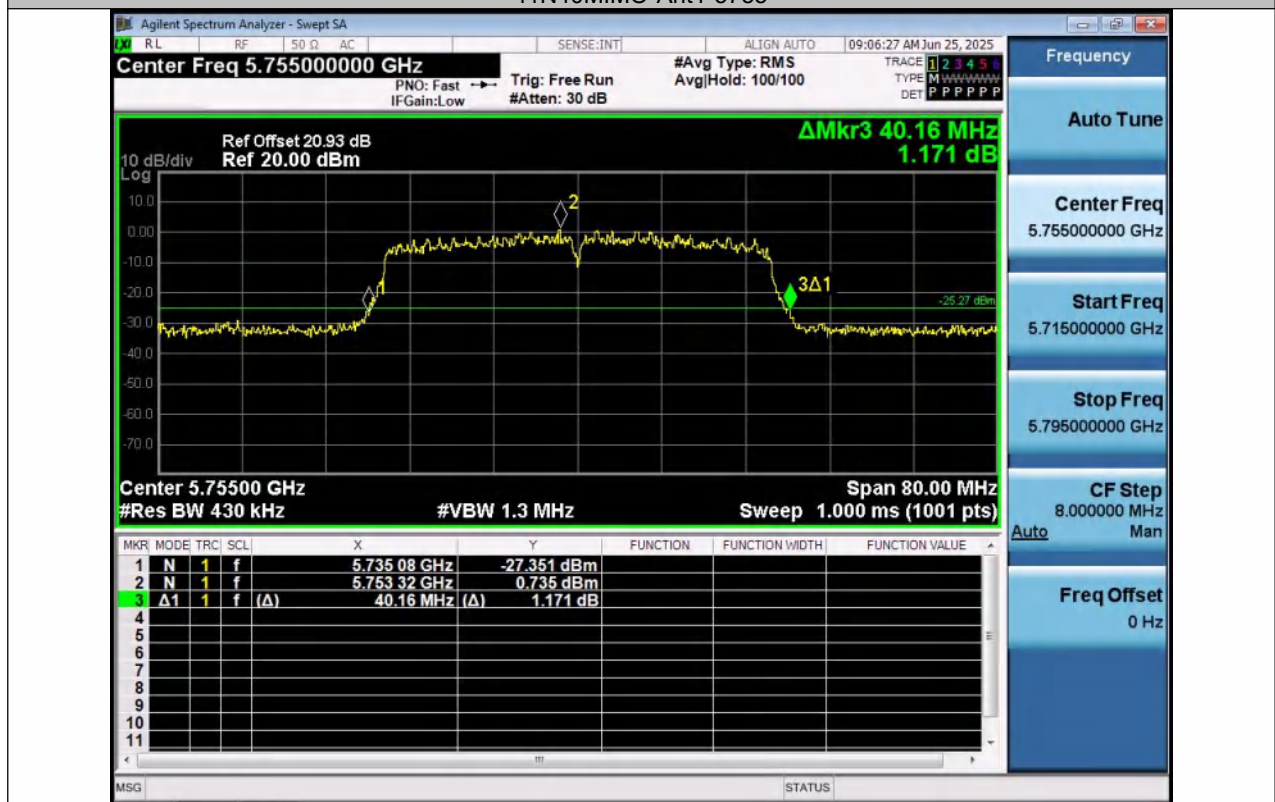


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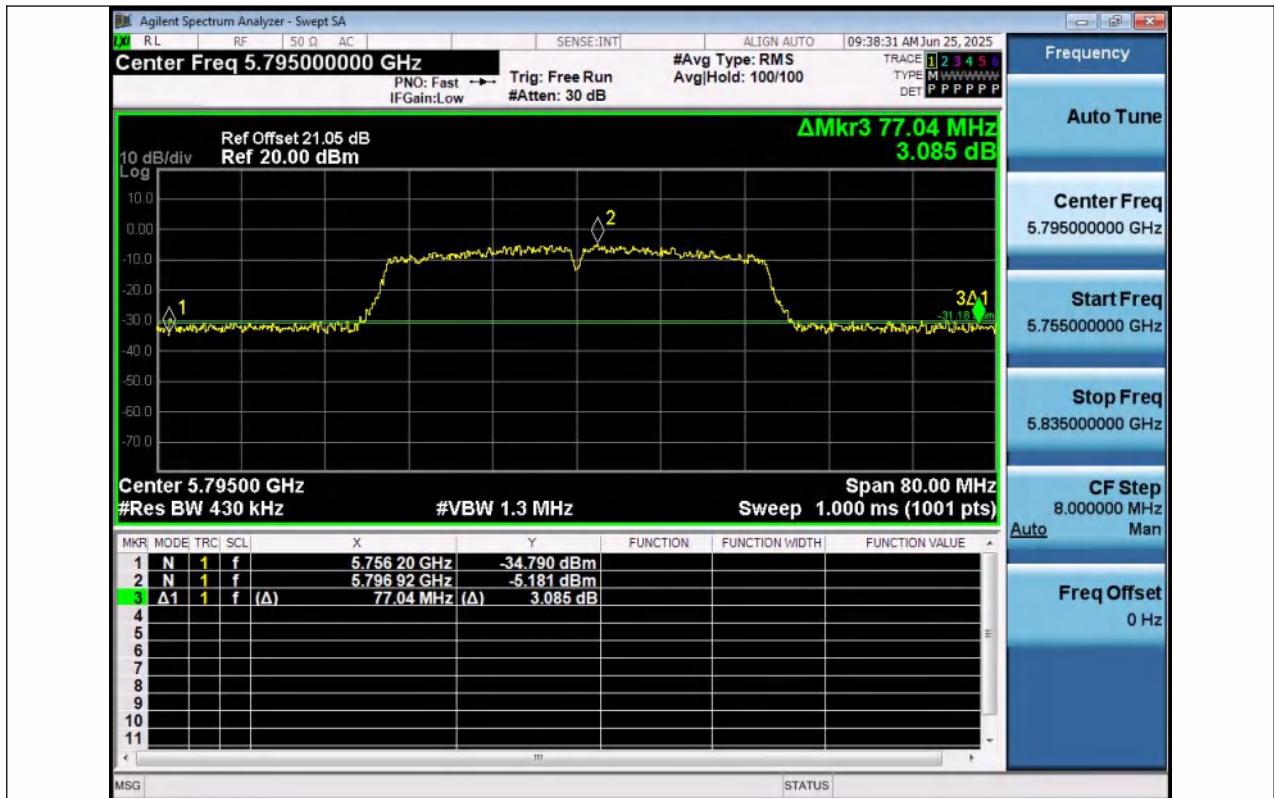




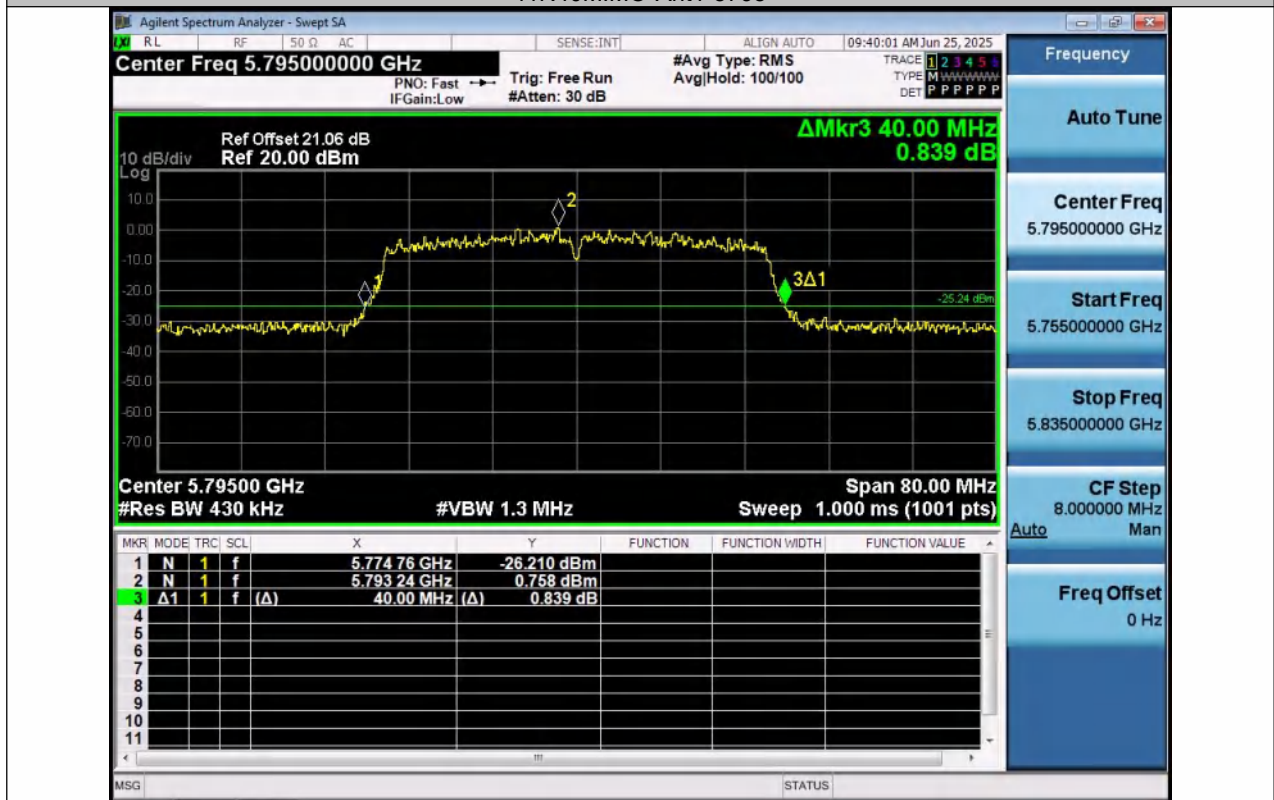
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11N40MIMO-Ant2-5755



11N40MIMO-Ant1-5795



11N40MIMO-Ant2-5795



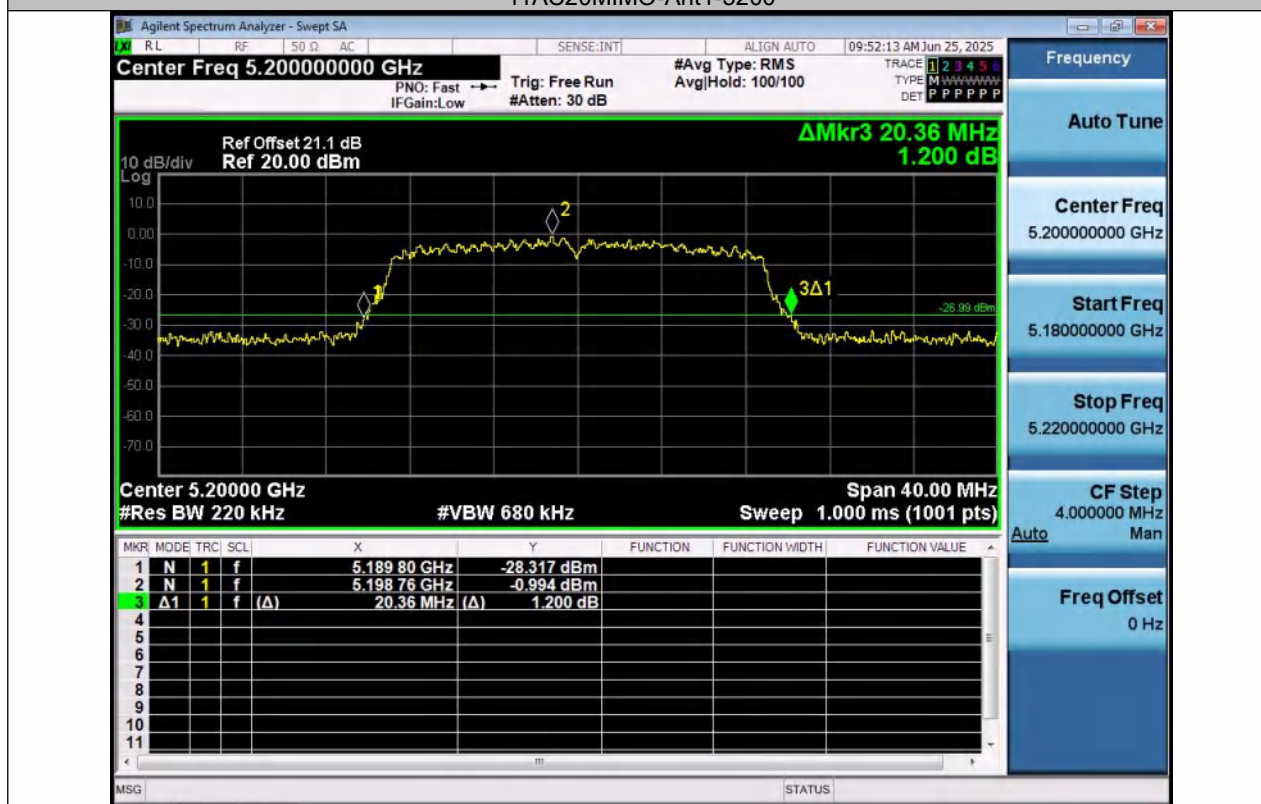
11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



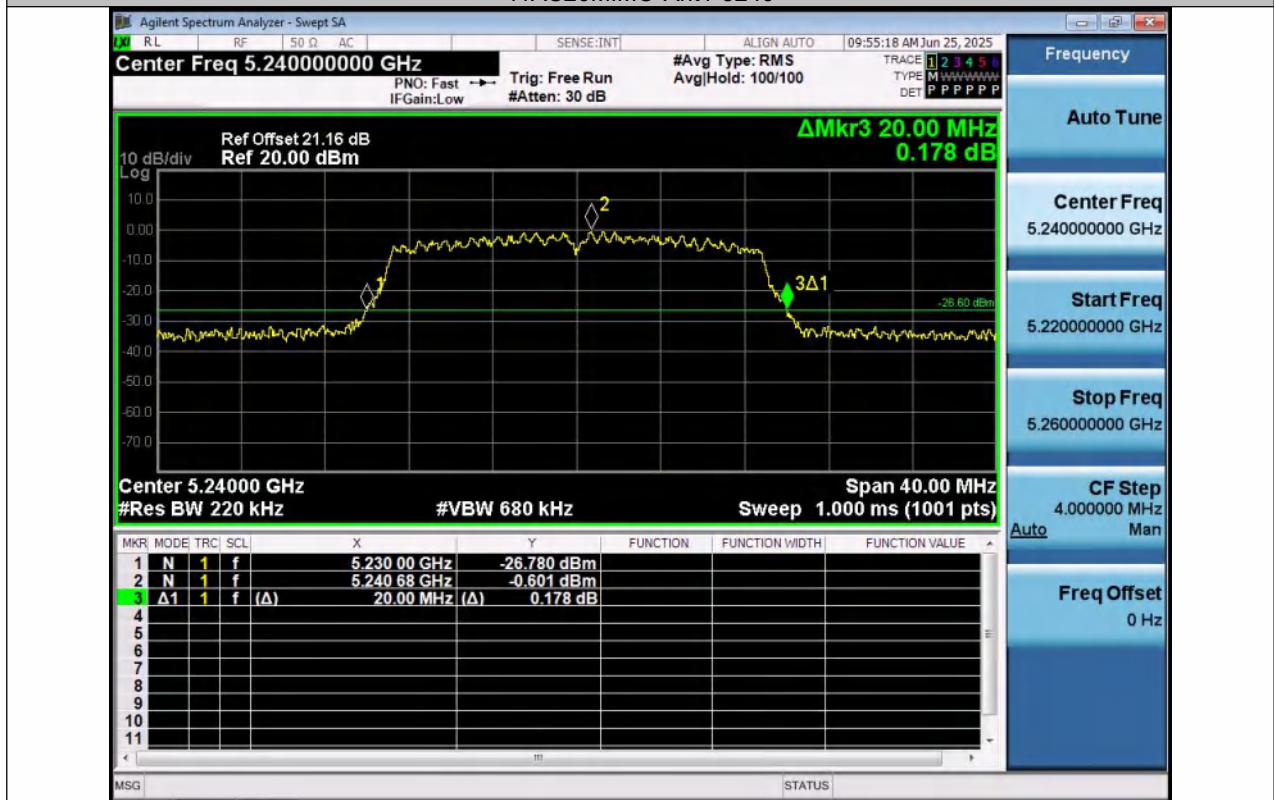
11AC20MIMO-Ant1-5200



11AC20MIMO-Ant2-5200



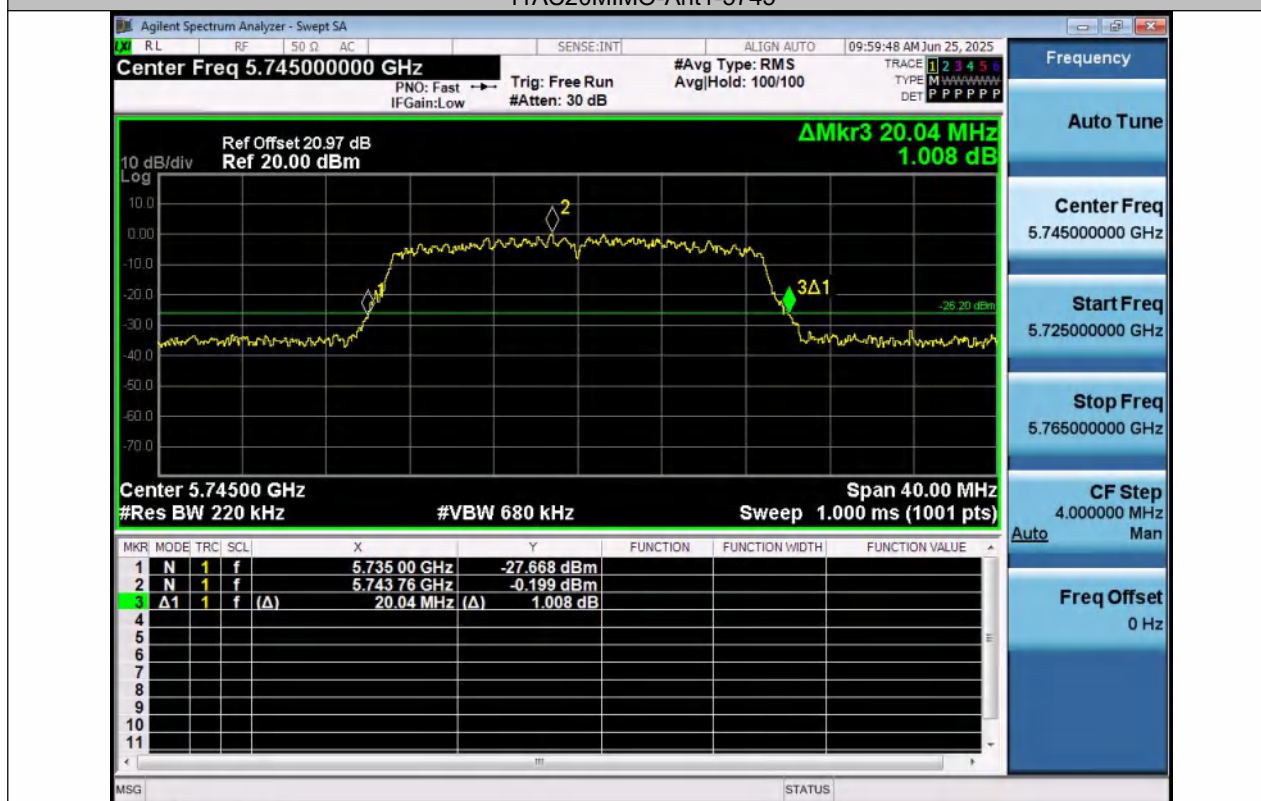
11AC20MIMO-Ant1-5240



11AC20MIMO-Ant2-5240



11AC20MIMO-Ant1-5745



11AC20MIMO-Ant2-5745



11AC20MIMO-Ant1-5785



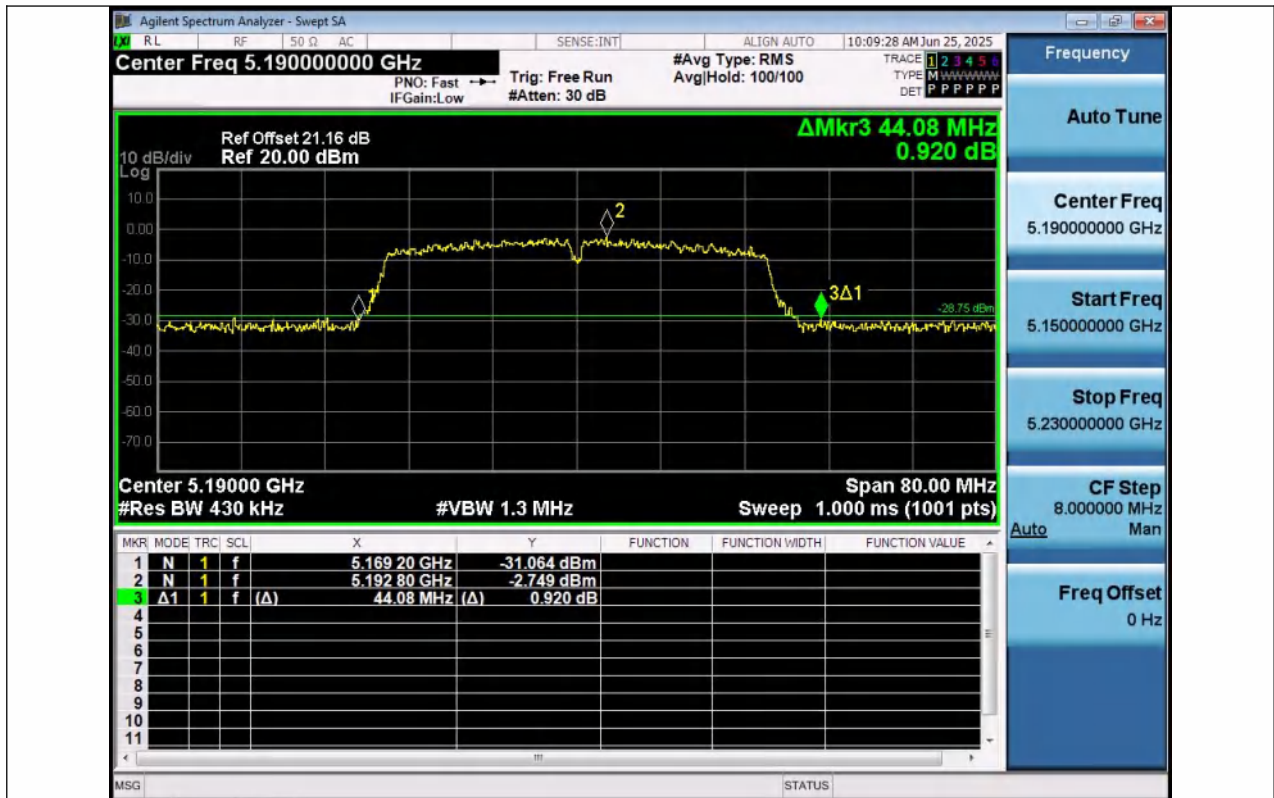
11AC20MIMO-Ant2-5785



11AC20MIMO-Ant1-5825



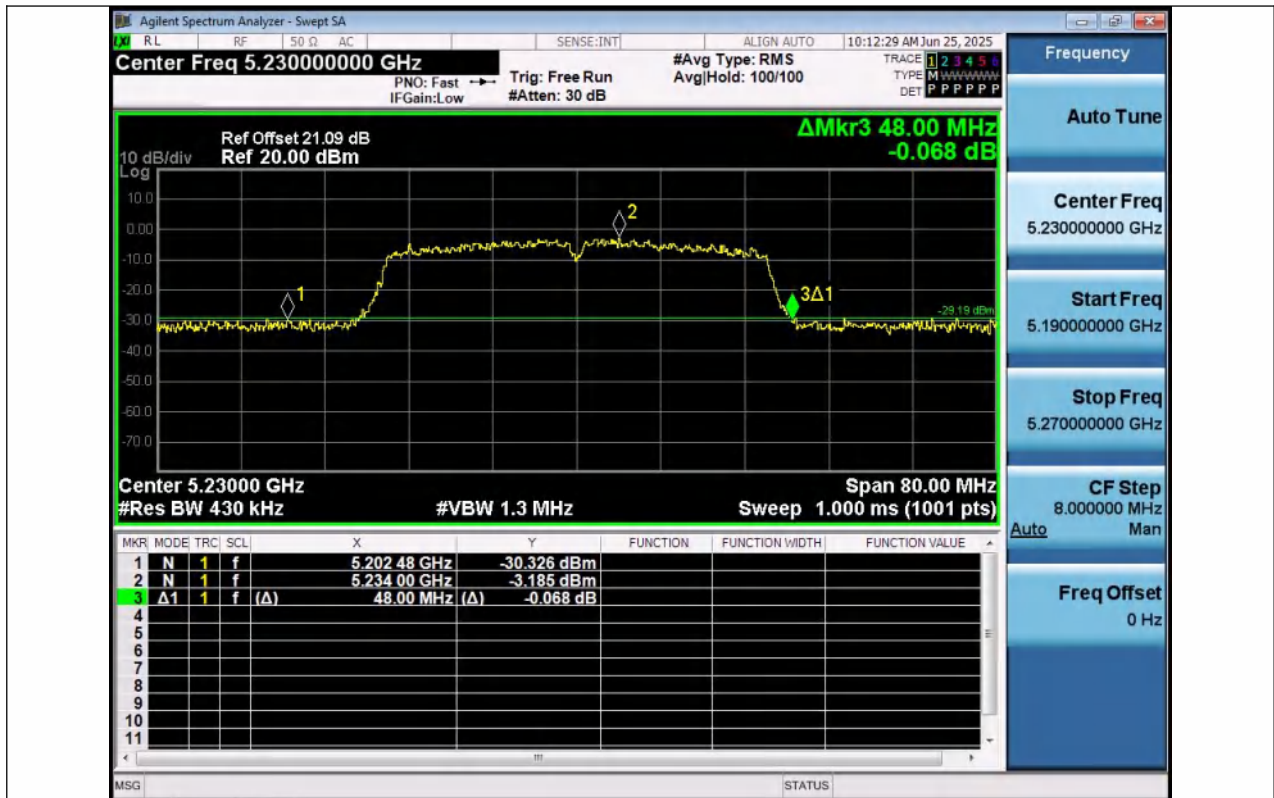
11AC20MIMO-Ant2-5825



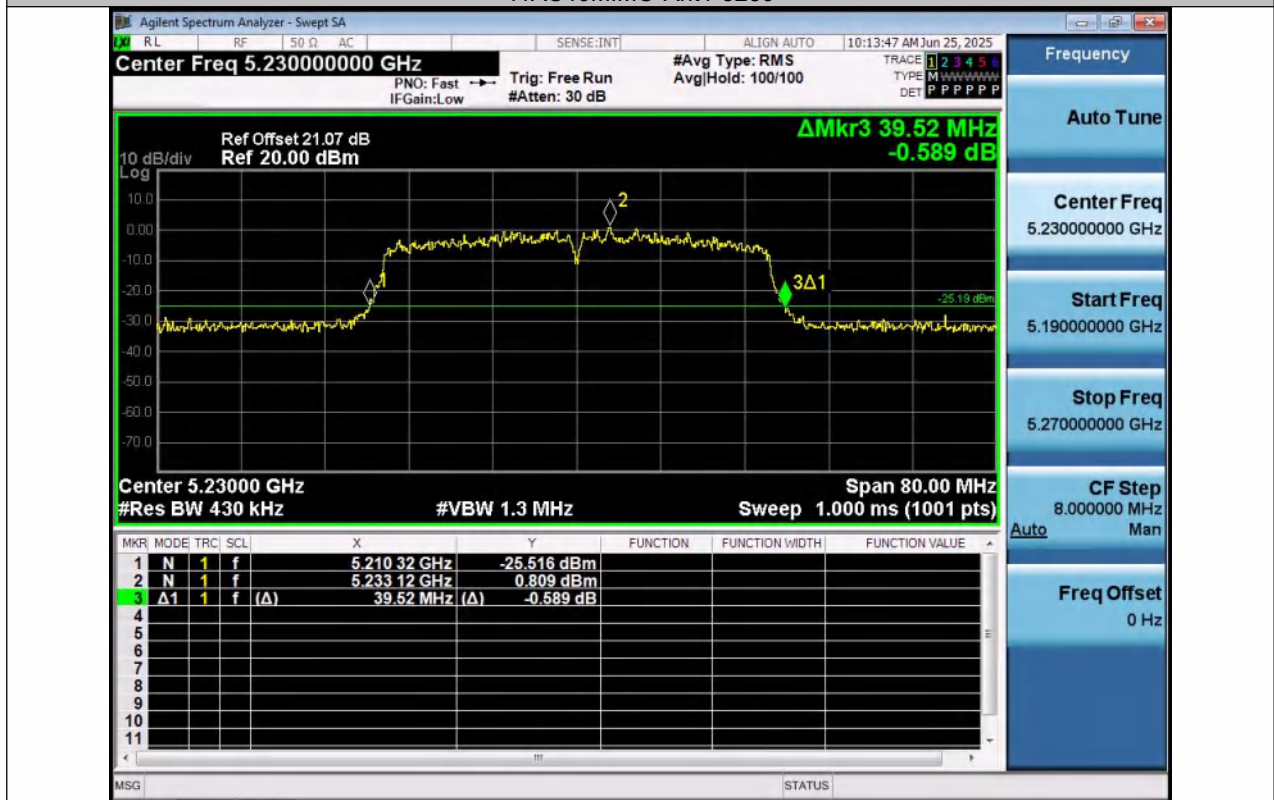
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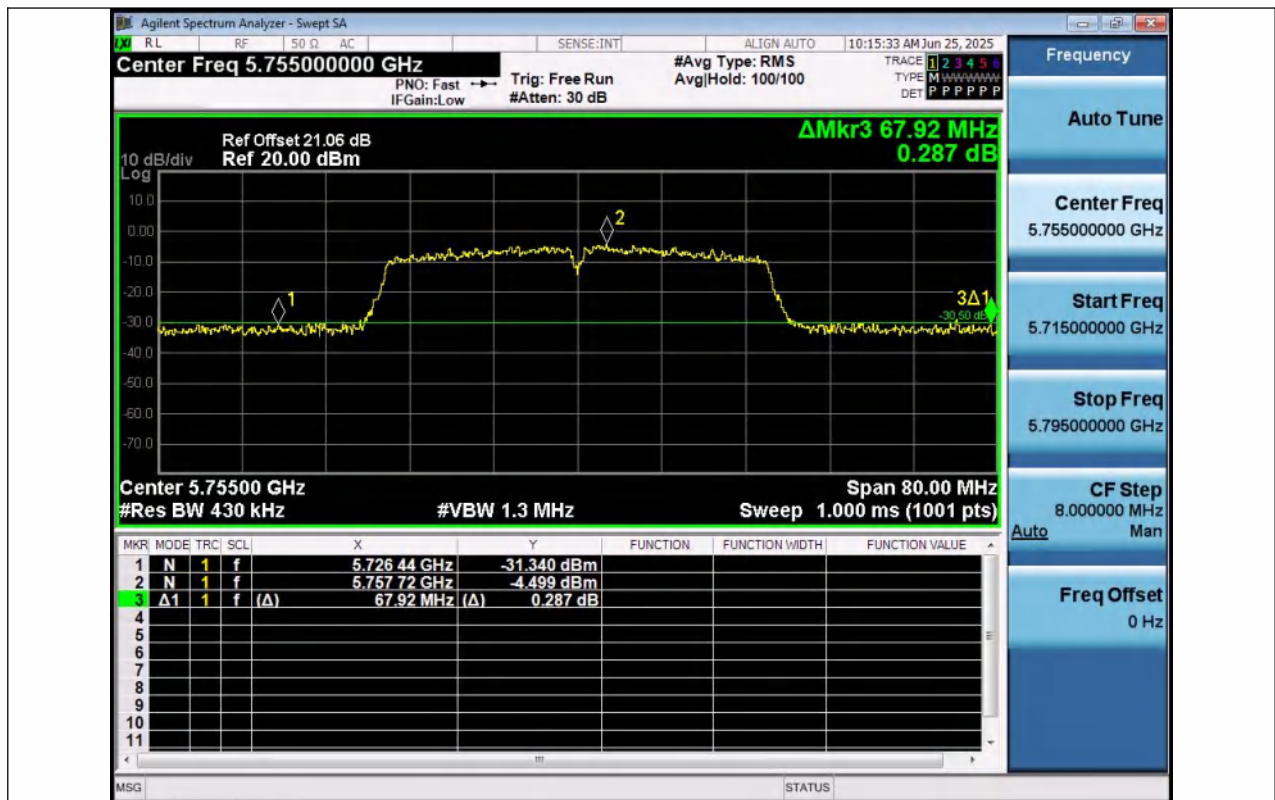
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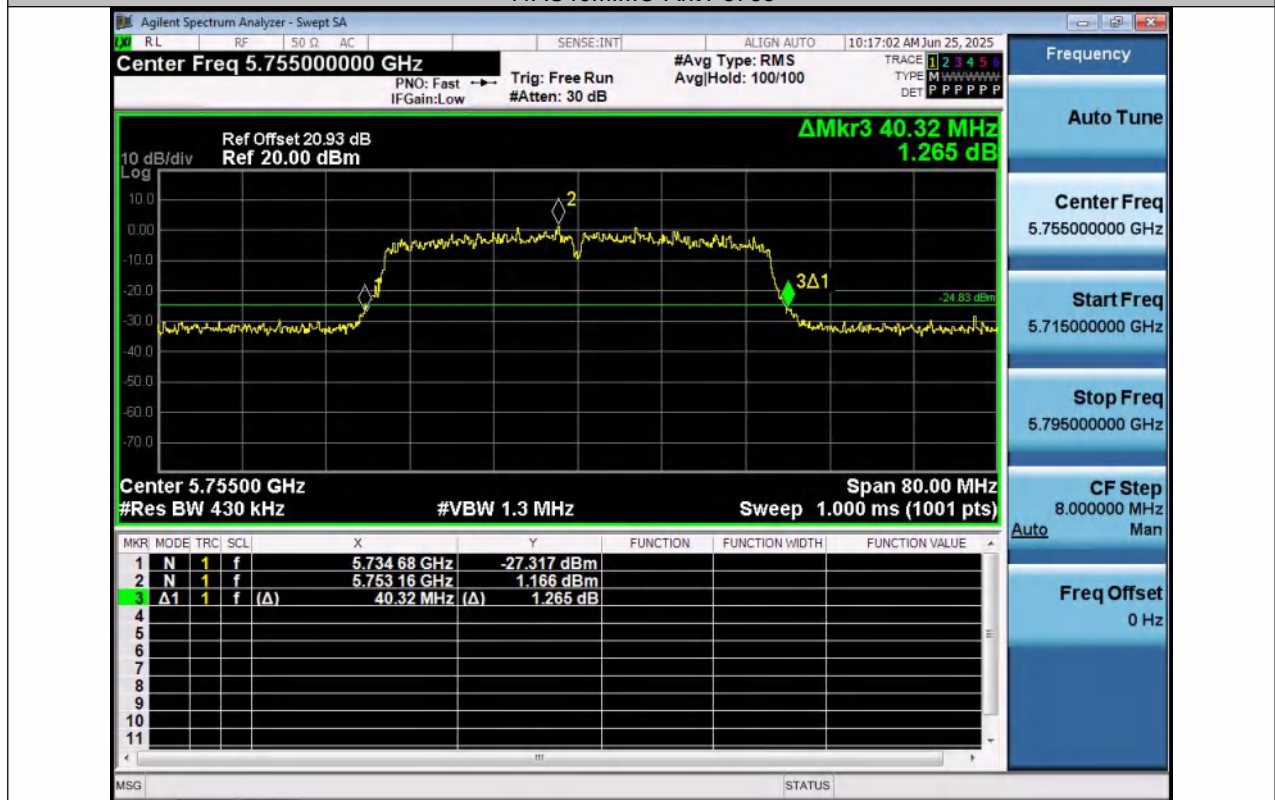
11AC40MIMO-Ant1-5230



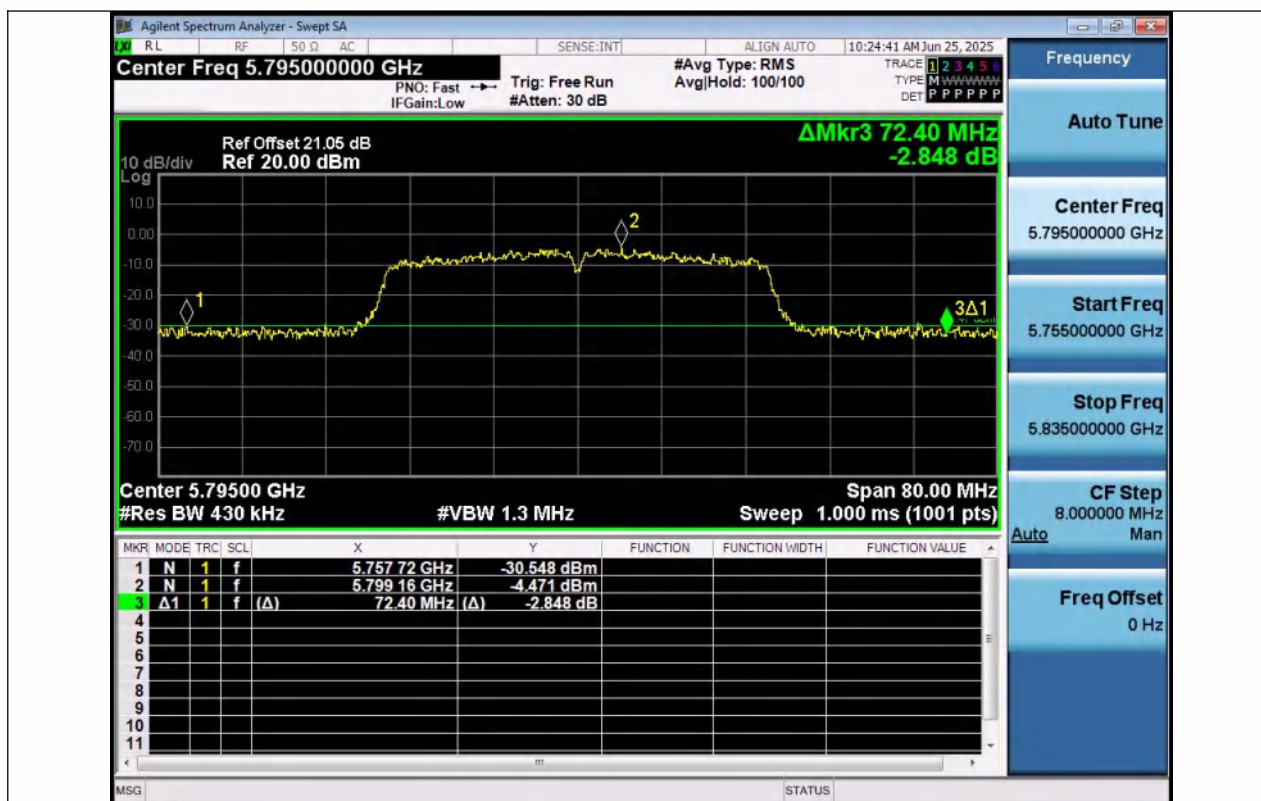
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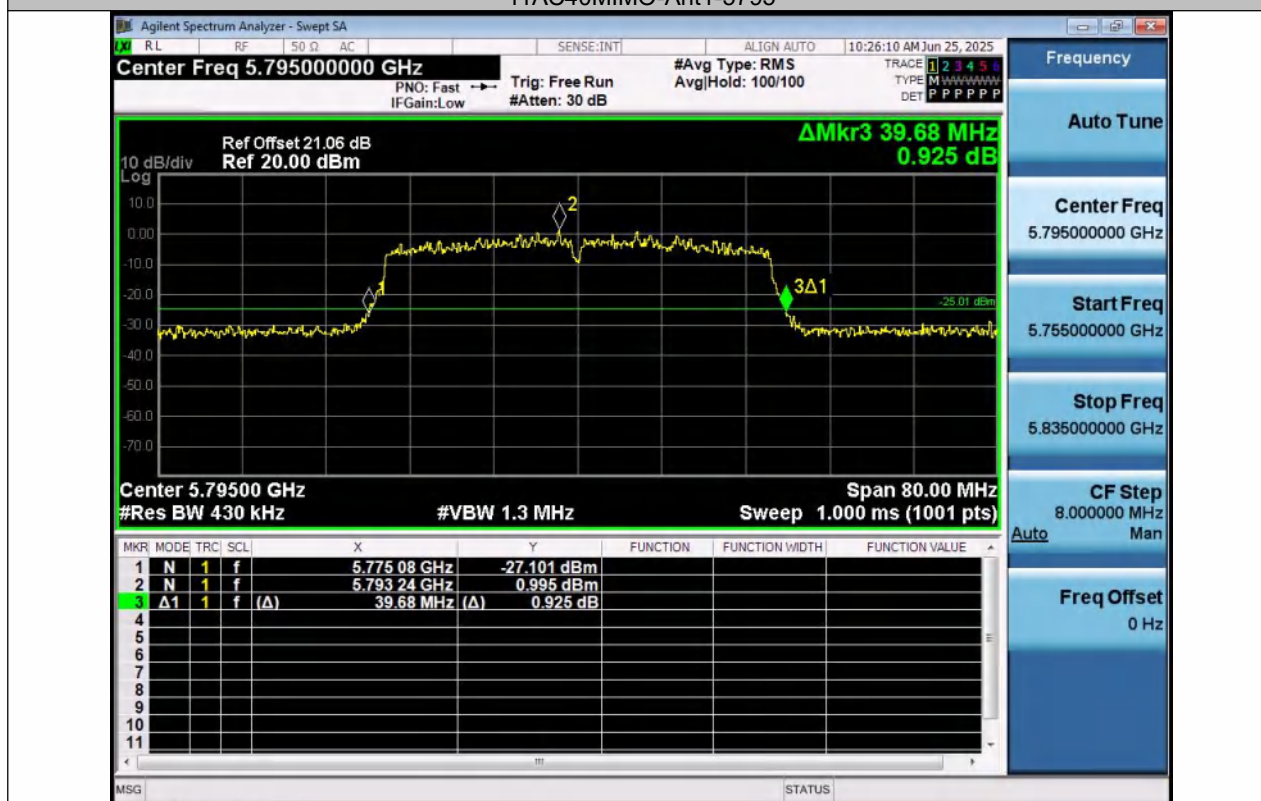
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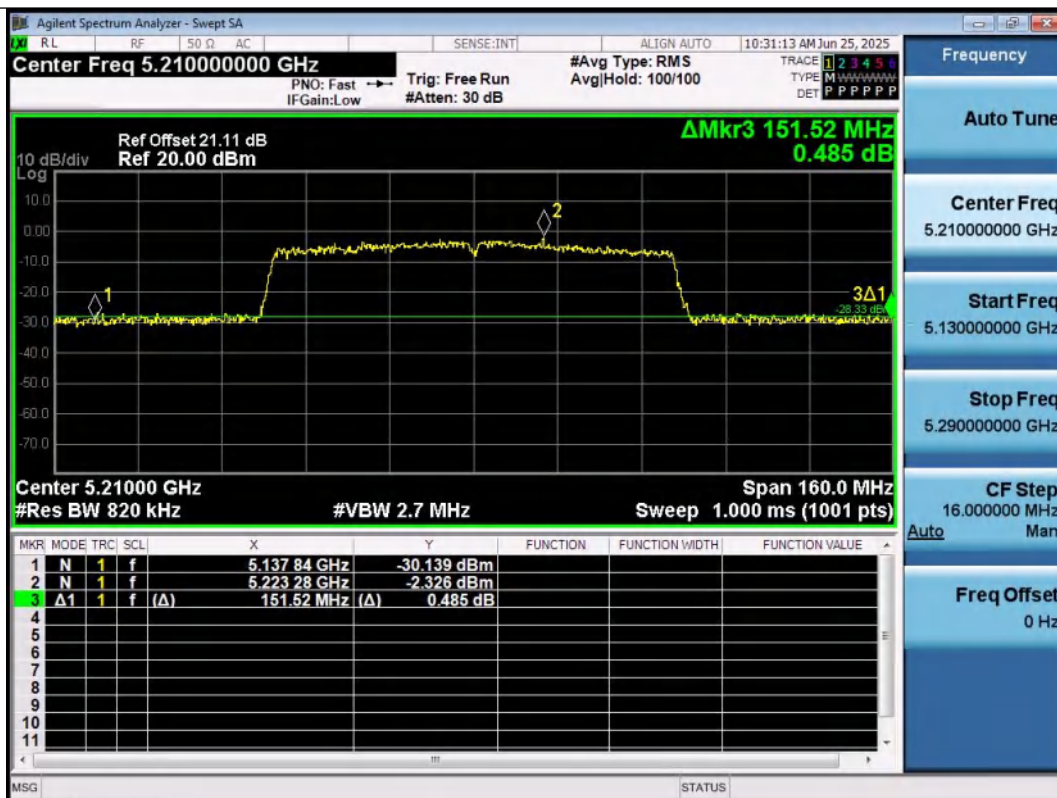
11AC40MIMO-Ant2-5755



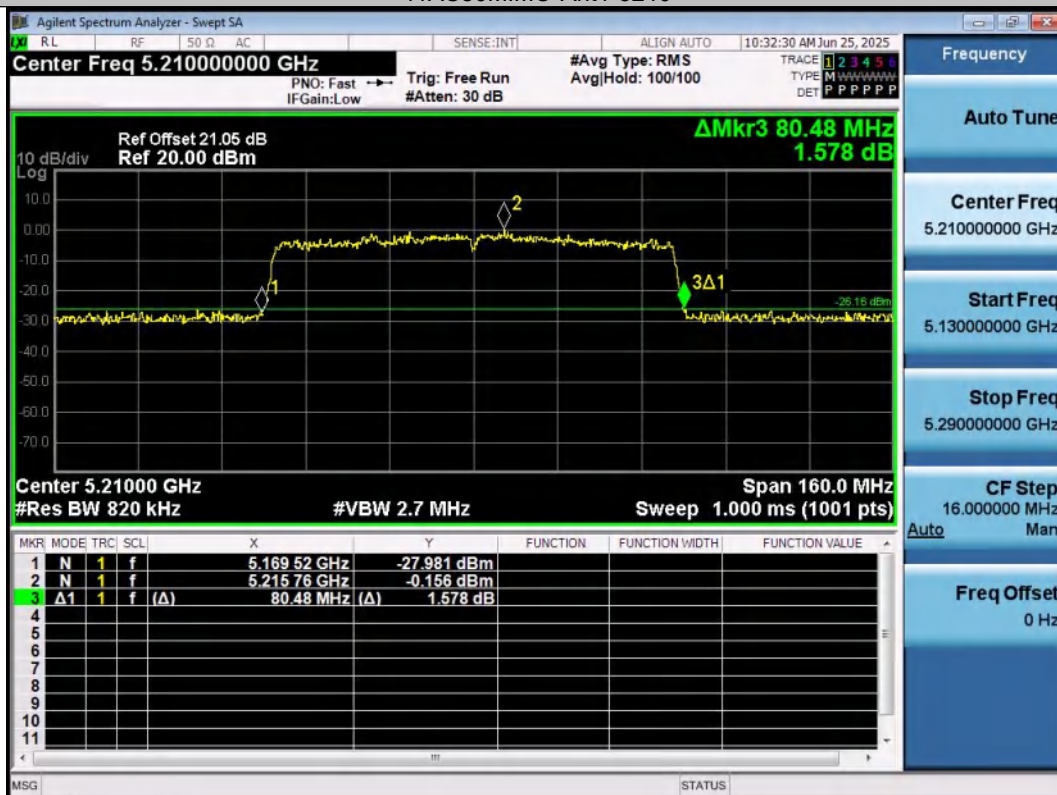
11AC40MIMO-Ant1-5795



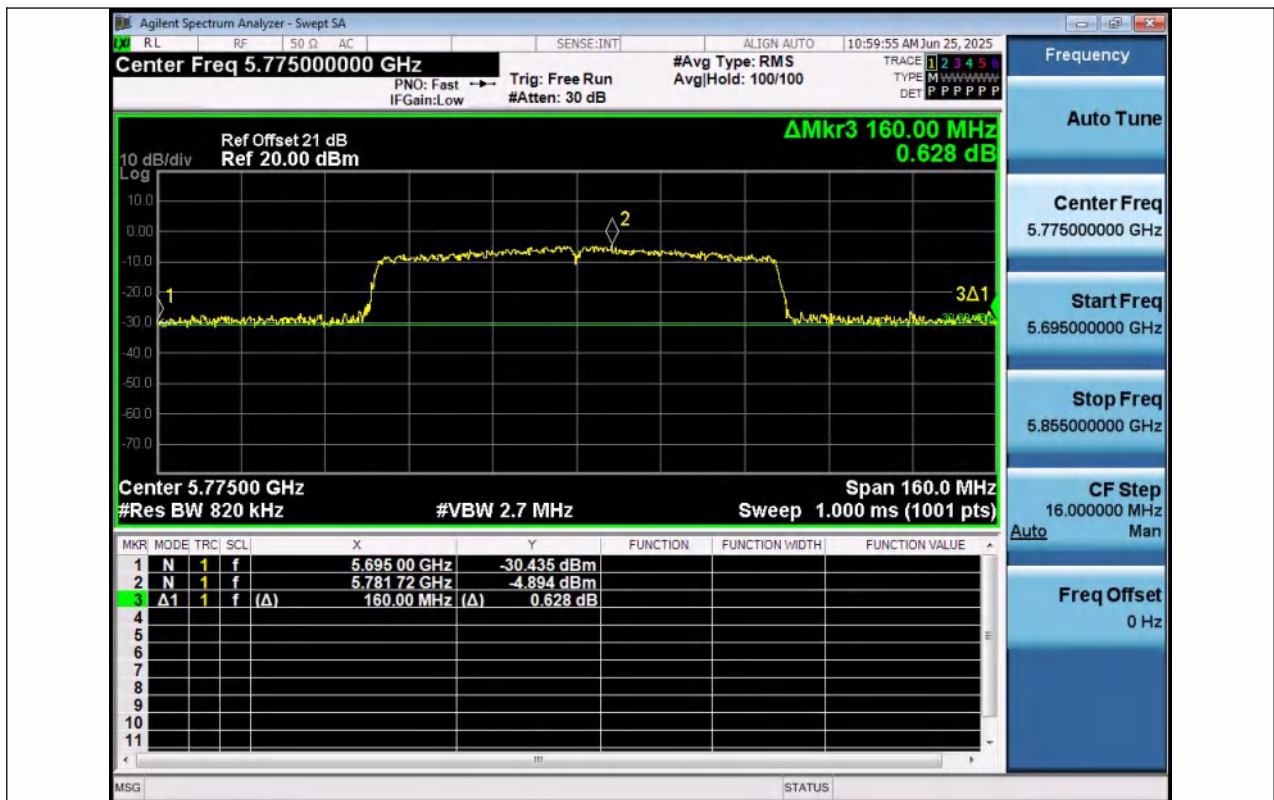
11AC40MIMO-Ant2-5795



11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210



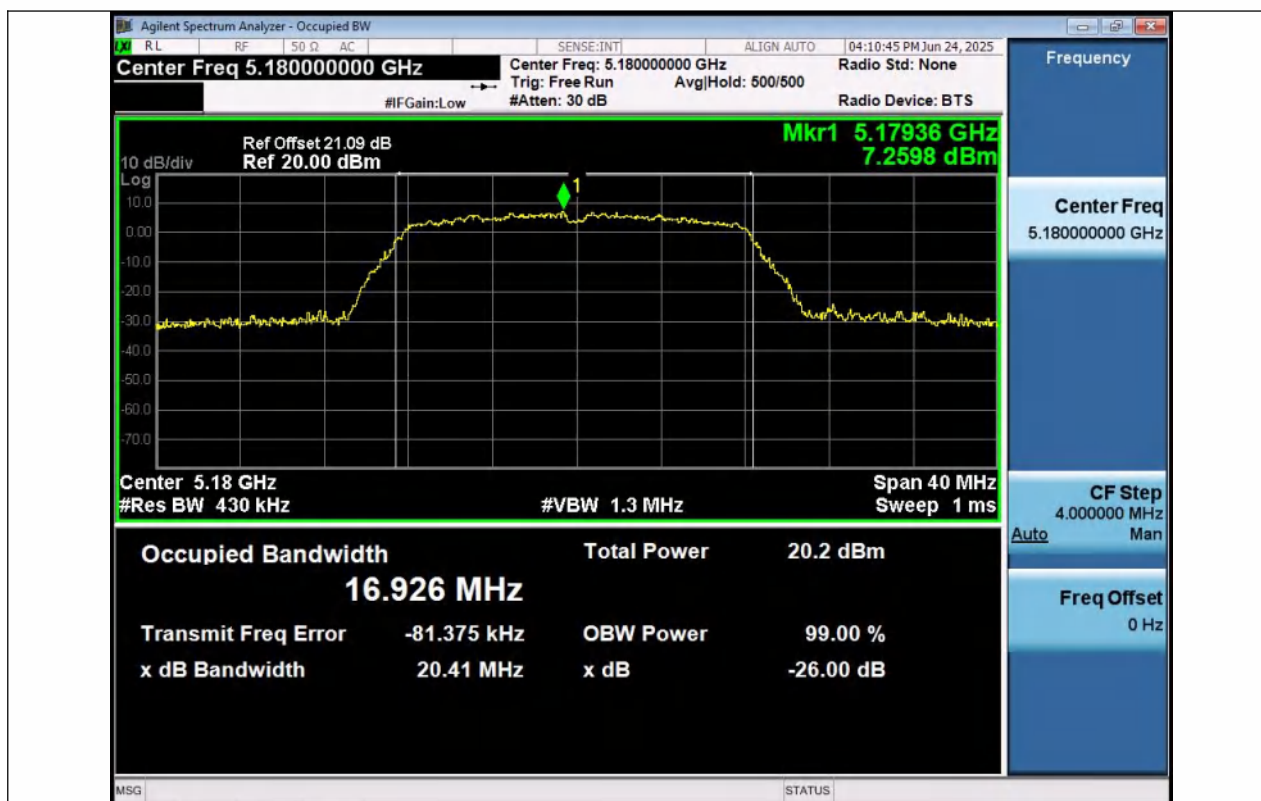
11AC80MIMO-Ant1-5775



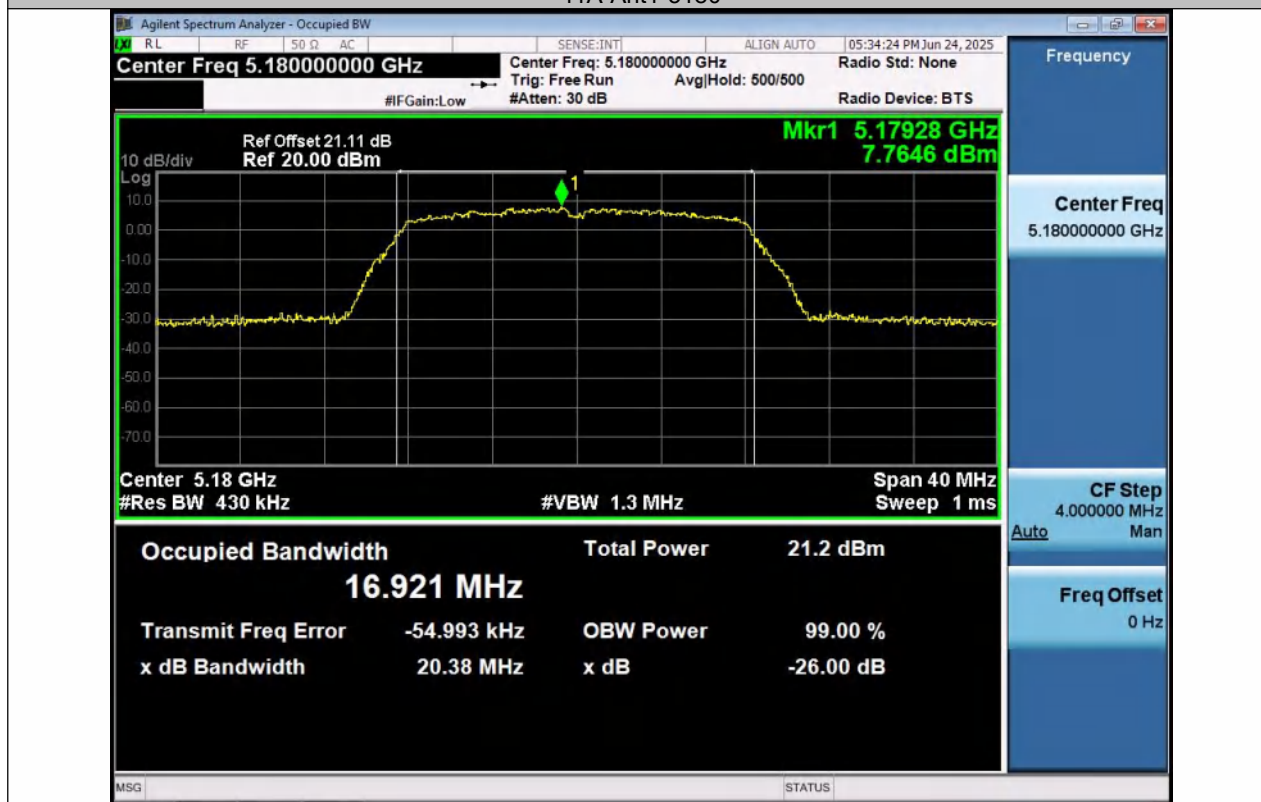
11AC80MIMO-Ant2-5775

Occupied channel bandwidth

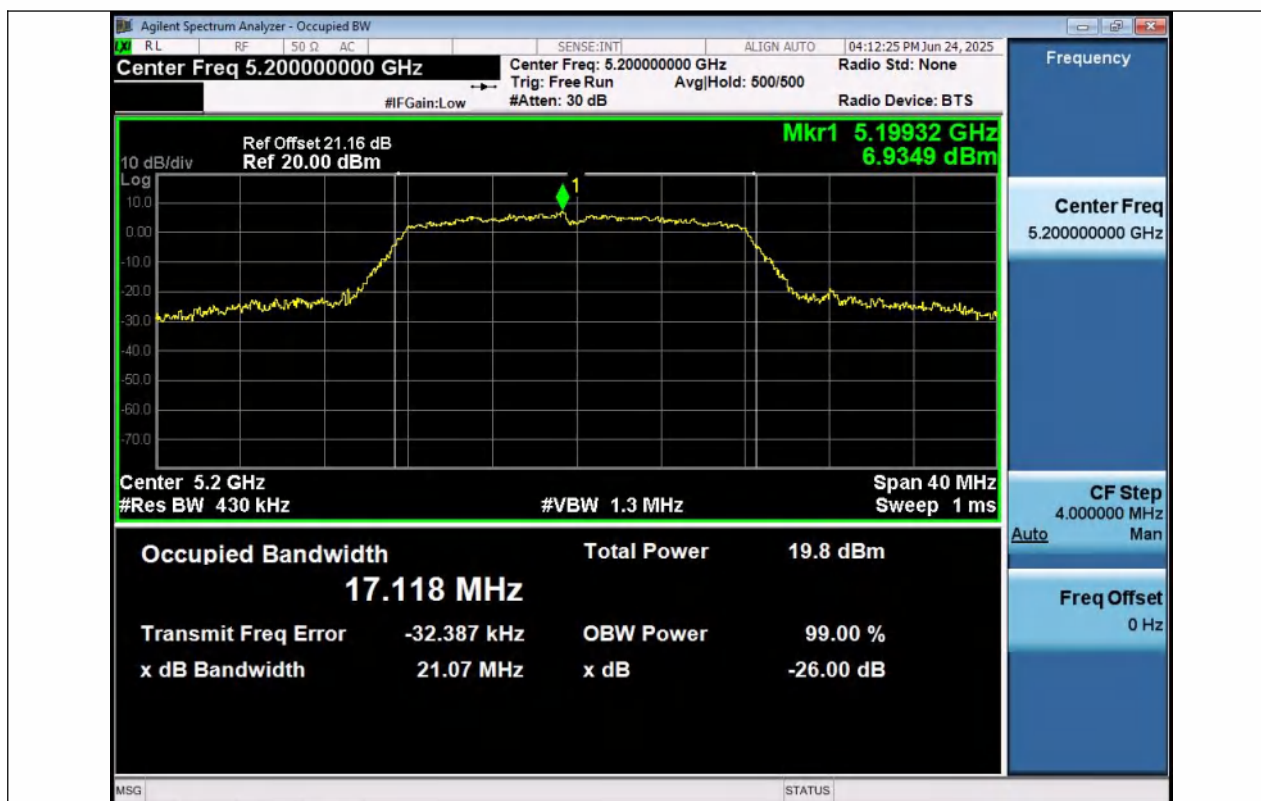
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.926	5171.4556	5188.3816	---	---
11A	Ant2	5180	16.921	5171.4845	5188.4055	---	---
11A	Ant1	5200	17.118	5191.4086	5208.5266	---	---
11A	Ant2	5200	17.029	5191.4582	5208.4872	---	---
11A	Ant1	5240	17.179	5231.3939	5248.5729	---	---
11A	Ant2	5240	16.971	5231.4572	5248.4282	---	---
11A	Ant1	5745	17.825	5736.1608	5753.9858	---	---
11A	Ant2	5745	17.598	5736.2399	5753.8379	---	---
11A	Ant1	5785	17.789	5776.1100	5793.8990	---	---
11A	Ant2	5785	17.990	5776.1058	5794.0958	---	---
11A	Ant1	5825	17.606	5816.2252	5833.8312	---	---
11A	Ant2	5825	18.447	5815.9204	5834.3674	---	---
11N20MIMO	Ant1	5180	17.937	5171.0038	5188.9408	---	---
11N20MIMO	Ant2	5180	17.658	5171.1493	5188.8073	---	---
11N20MIMO	Ant1	5200	17.988	5190.9873	5208.9753	---	---
11N20MIMO	Ant2	5200	17.706	5191.1249	5208.8309	---	---
11N20MIMO	Ant1	5240	17.941	5231.0086	5248.9496	---	---
11N20MIMO	Ant2	5240	17.680	5231.1372	5248.8172	---	---
11N20MIMO	Ant1	5745	17.934	5736.0411	5753.9751	---	---
11N20MIMO	Ant2	5745	17.647	5736.1553	5753.8023	---	---
11N20MIMO	Ant1	5785	17.889	5776.0450	5793.9340	---	---
11N20MIMO	Ant2	5785	17.666	5776.1423	5793.8083	---	---
11N20MIMO	Ant1	5825	17.924	5816.0226	5833.9466	---	---
11N20MIMO	Ant2	5825	17.694	5816.1312	5833.8252	---	---
11N40MIMO	Ant1	5190	36.371	5171.7836	5208.1546	---	---
11N40MIMO	Ant2	5190	36.448	5171.7744	5208.2224	---	---
11N40MIMO	Ant1	5230	36.352	5211.8209	5248.1729	---	---
11N40MIMO	Ant2	5230	36.460	5211.7971	5248.2571	---	---
11N40MIMO	Ant1	5755	36.299	5736.8431	5773.1421	---	---
11N40MIMO	Ant2	5755	36.437	5736.7877	5773.2247	---	---
11N40MIMO	Ant1	5795	36.713	5776.6405	5813.3535	---	---
11N40MIMO	Ant2	5795	36.440	5776.7750	5813.2150	---	---
11AC20MIMO	Ant1	5180	17.948	5171.0132	5188.9612	---	---
11AC20MIMO	Ant2	5180	17.657	5171.1421	5188.7991	---	---
11AC20MIMO	Ant1	5200	17.970	5190.9736	5208.9436	---	---
11AC20MIMO	Ant2	5200	17.668	5191.1309	5208.7989	---	---
11AC20MIMO	Ant1	5240	17.980	5230.9763	5248.9563	---	---
11AC20MIMO	Ant2	5240	17.670	5231.1396	5248.8096	---	---
11AC20MIMO	Ant1	5745	17.998	5735.9931	5753.9911	---	---
11AC20MIMO	Ant2	5745	17.670	5736.1250	5753.7950	---	---
11AC20MIMO	Ant1	5785	18.038	5775.9687	5794.0067	---	---
11AC20MIMO	Ant2	5785	17.643	5776.1412	5793.7842	---	---
11AC20MIMO	Ant1	5825	18.085	5815.9568	5834.0418	---	---
11AC20MIMO	Ant2	5825	17.683	5816.1326	5833.8156	---	---
11AC40MIMO	Ant1	5190	36.405	5171.7367	5208.1417	---	---
11AC40MIMO	Ant2	5190	36.492	5171.7693	5208.2613	---	---
11AC40MIMO	Ant1	5230	36.419	5211.7732	5248.1922	---	---
11AC40MIMO	Ant2	5230	36.470	5211.7923	5248.2623	---	---
11AC40MIMO	Ant1	5755	36.632	5736.6807	5773.3127	---	---
11AC40MIMO	Ant2	5755	36.438	5736.7720	5773.2100	---	---
11AC40MIMO	Ant1	5795	36.732	5776.6001	5813.3321	---	---
11AC40MIMO	Ant2	5795	36.449	5776.7967	5813.2457	---	---
11AC80MIMO	Ant1	5210	76.474	5171.6600	5248.1340	---	---
11AC80MIMO	Ant2	5210	75.772	5172.1502	5247.9222	---	---
11AC80MIMO	Ant1	5775	76.801	5736.6616	5813.4626	---	---
11AC80MIMO	Ant2	5775	75.648	5737.1946	5812.8426	---	---



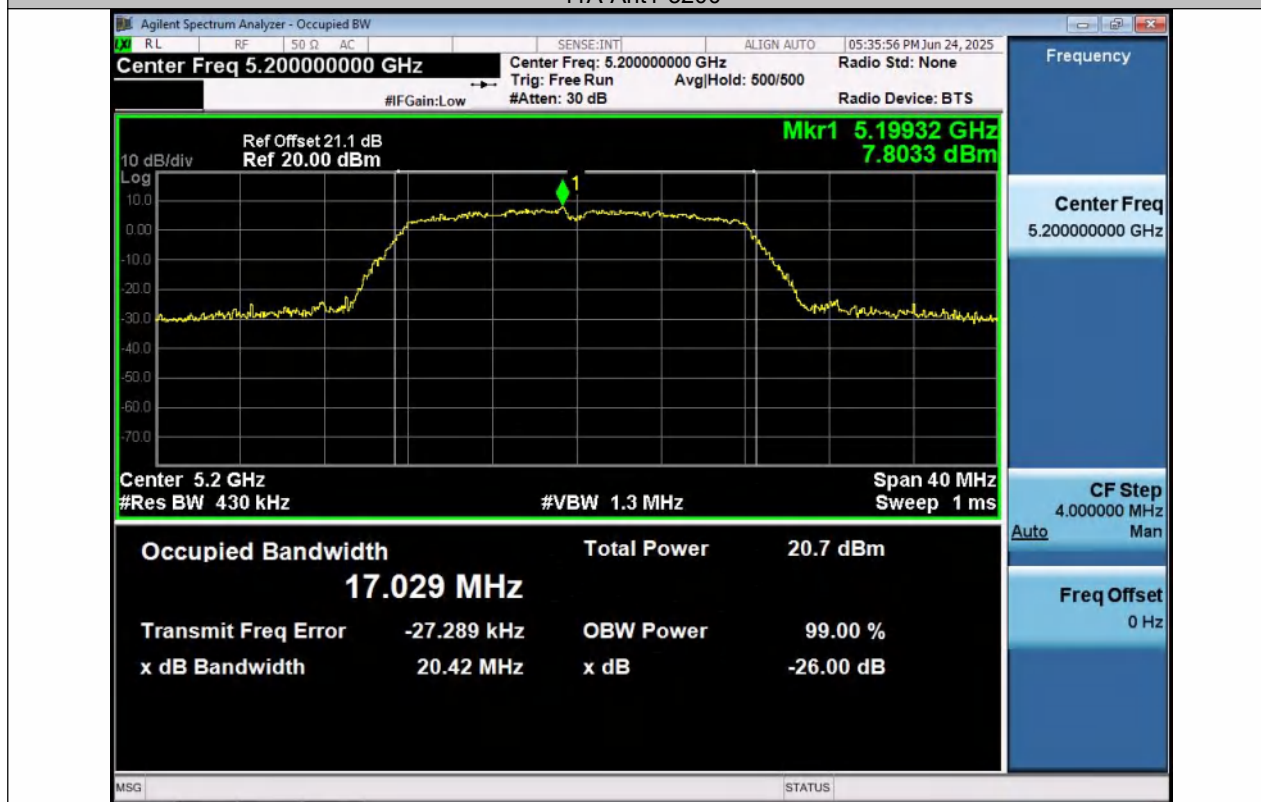
11A-Ant1-5180



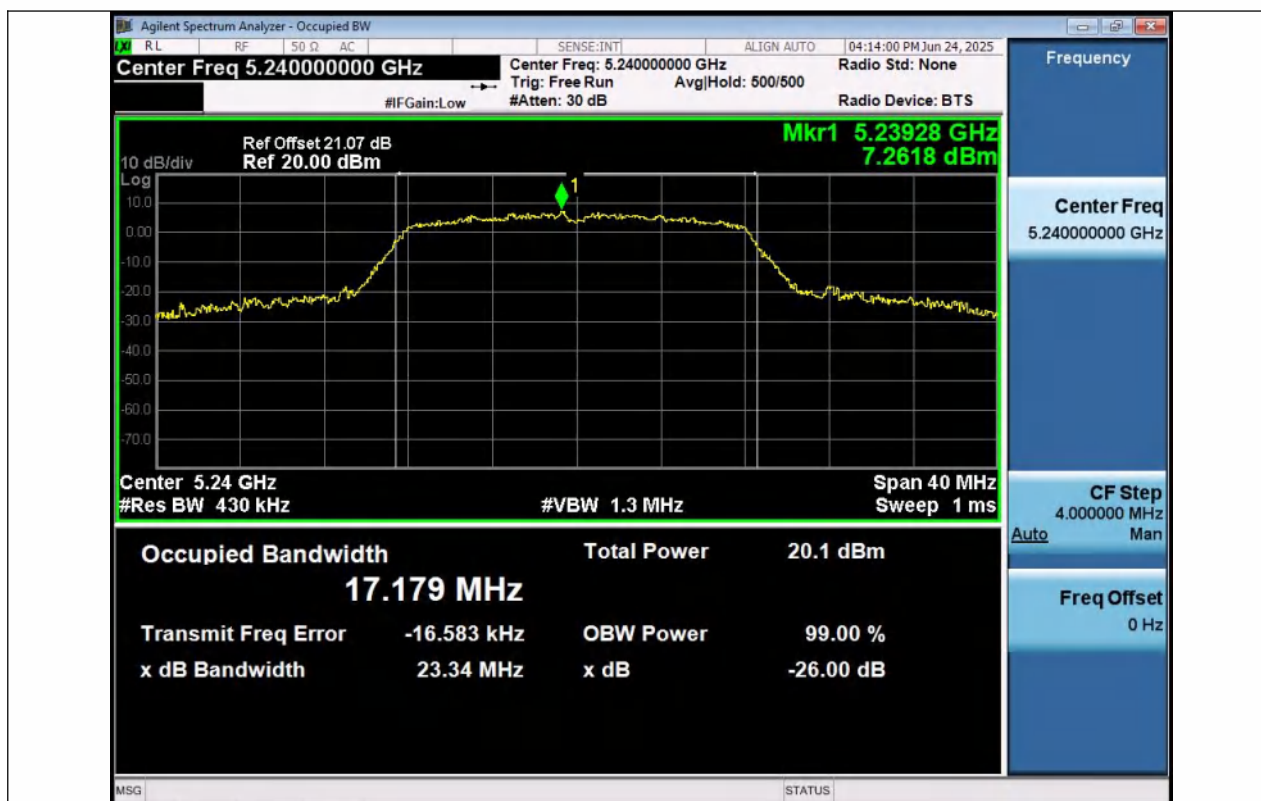
11A-Ant2-5180



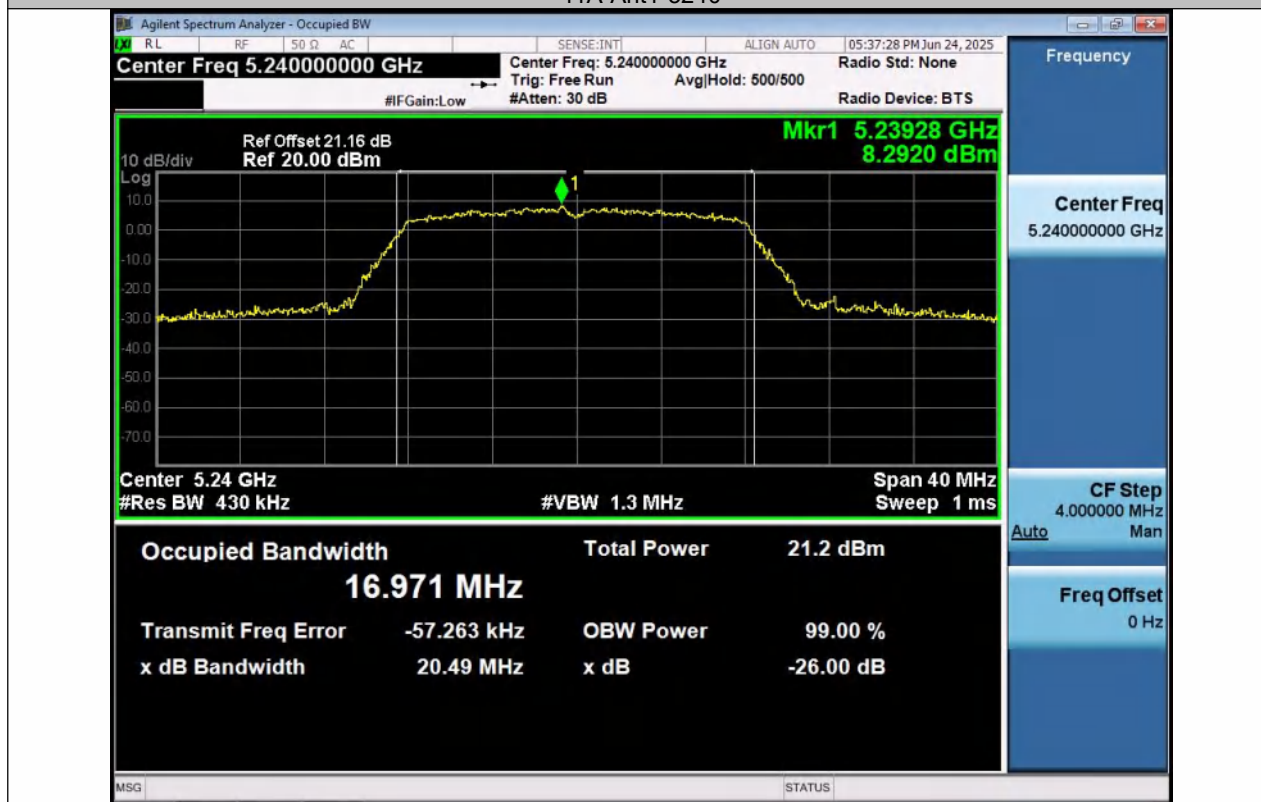
11A-Ant1-5200



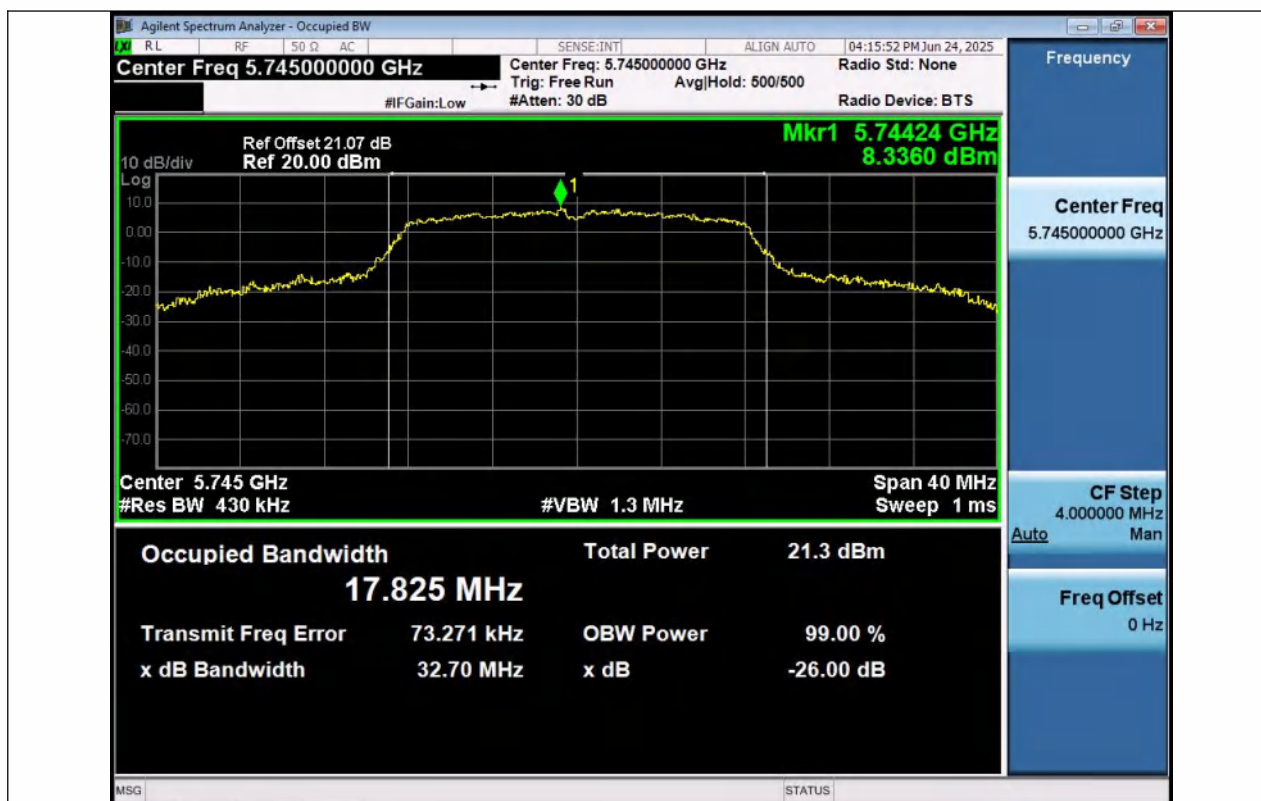
11A-Ant2-5200



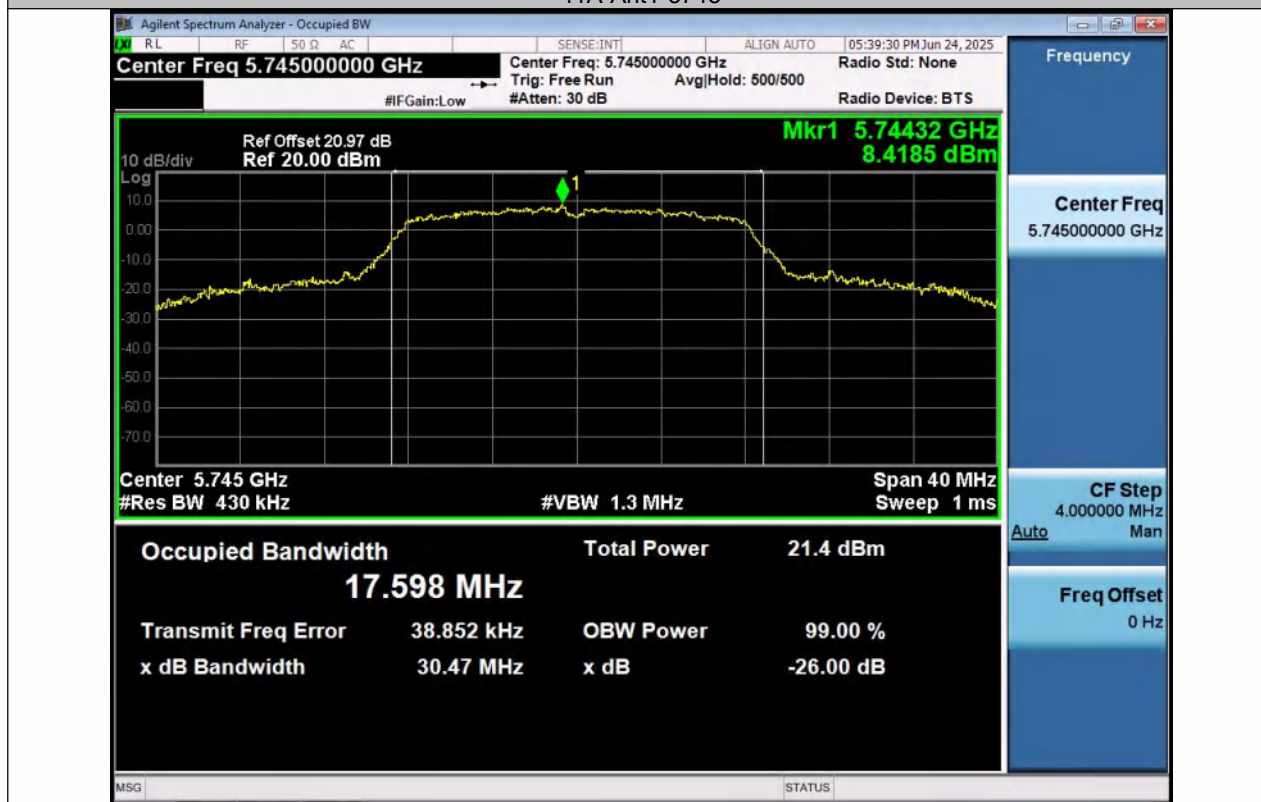
11A-Ant1-5240



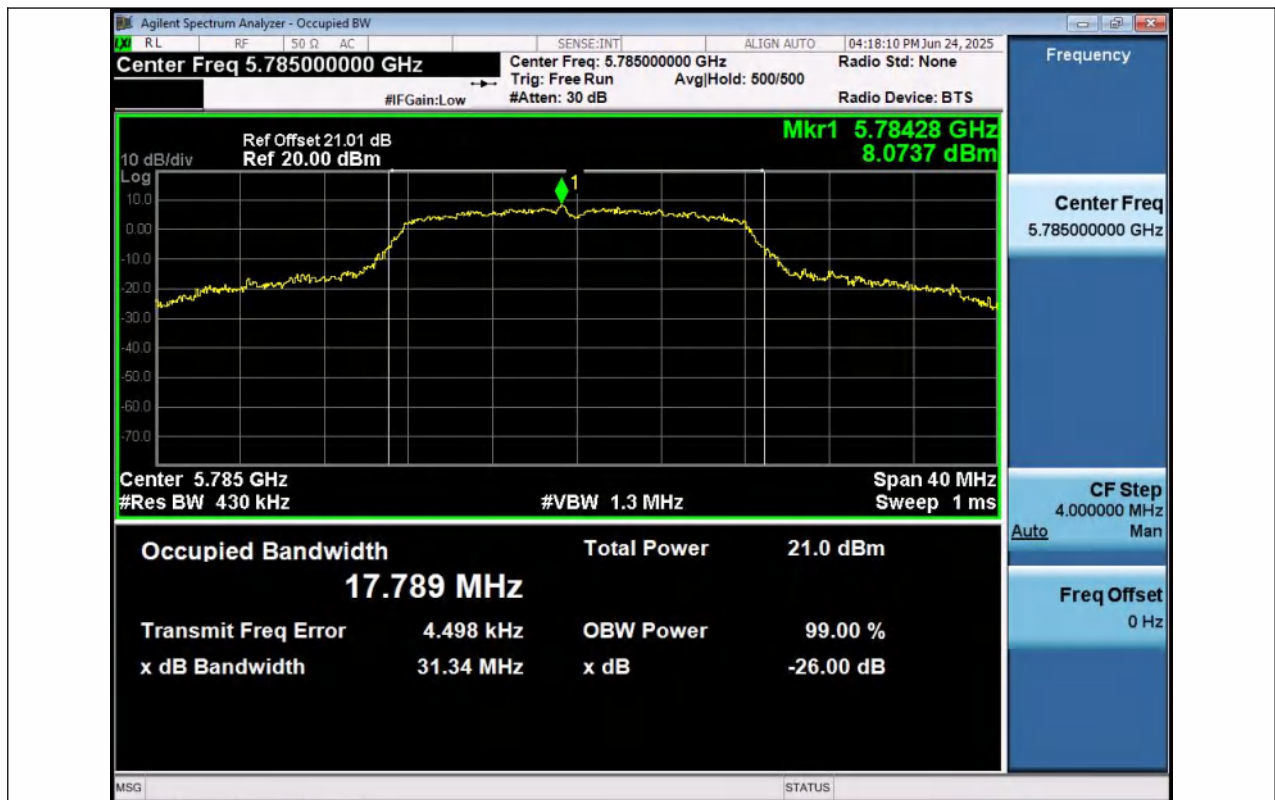
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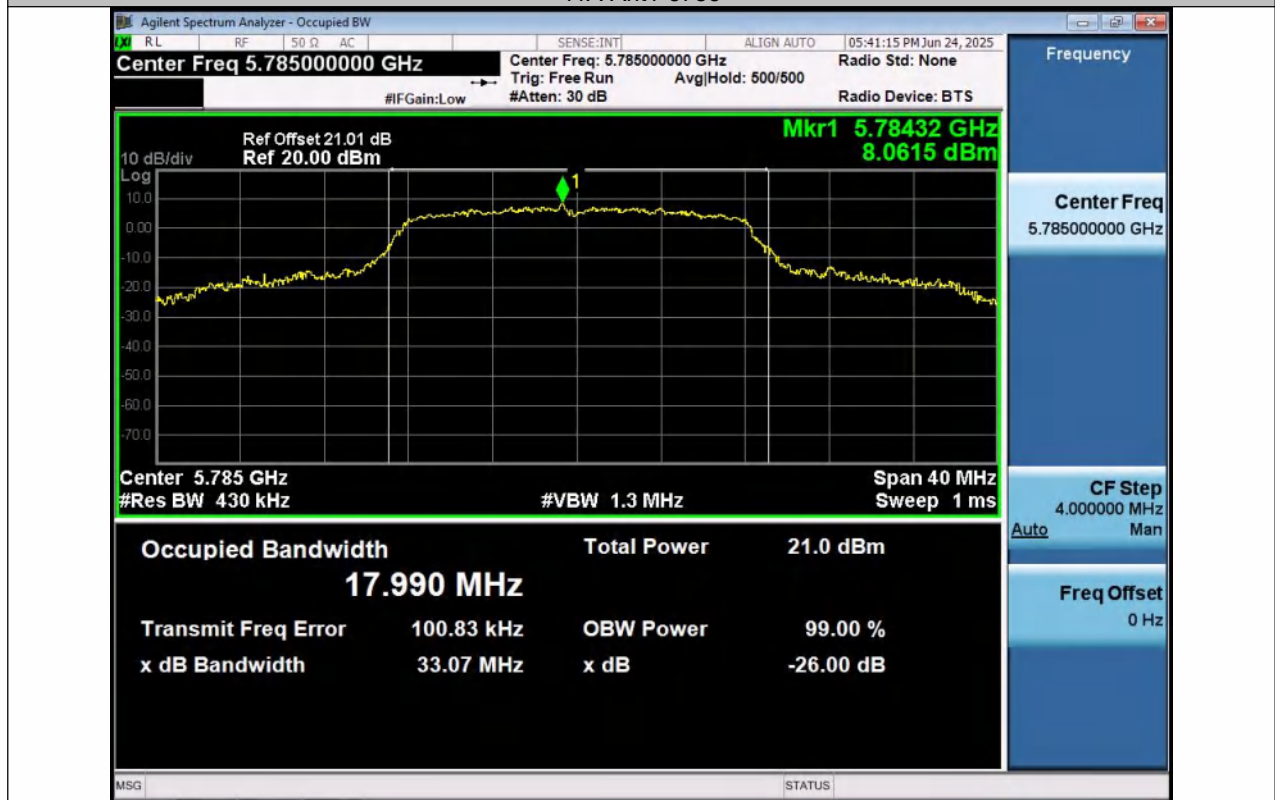
11A-Ant1-5745



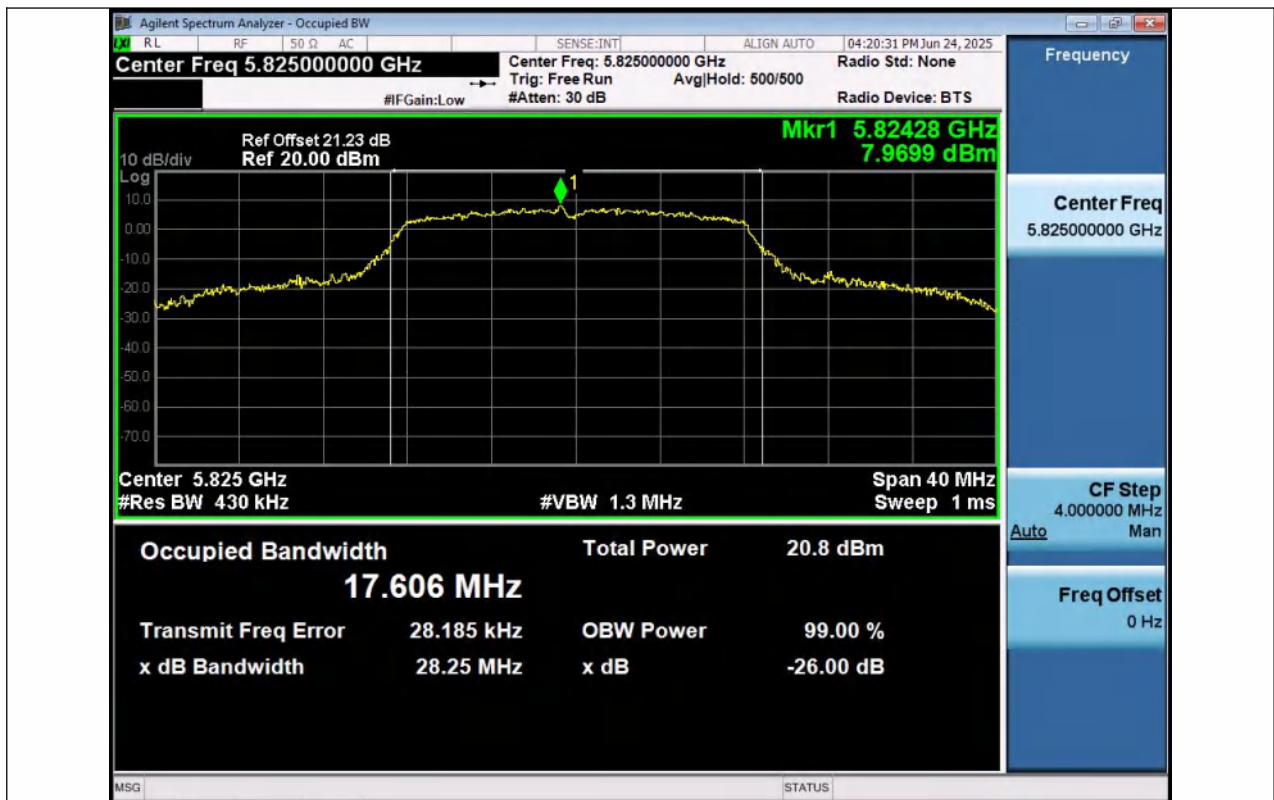
11A-Ant2-5745



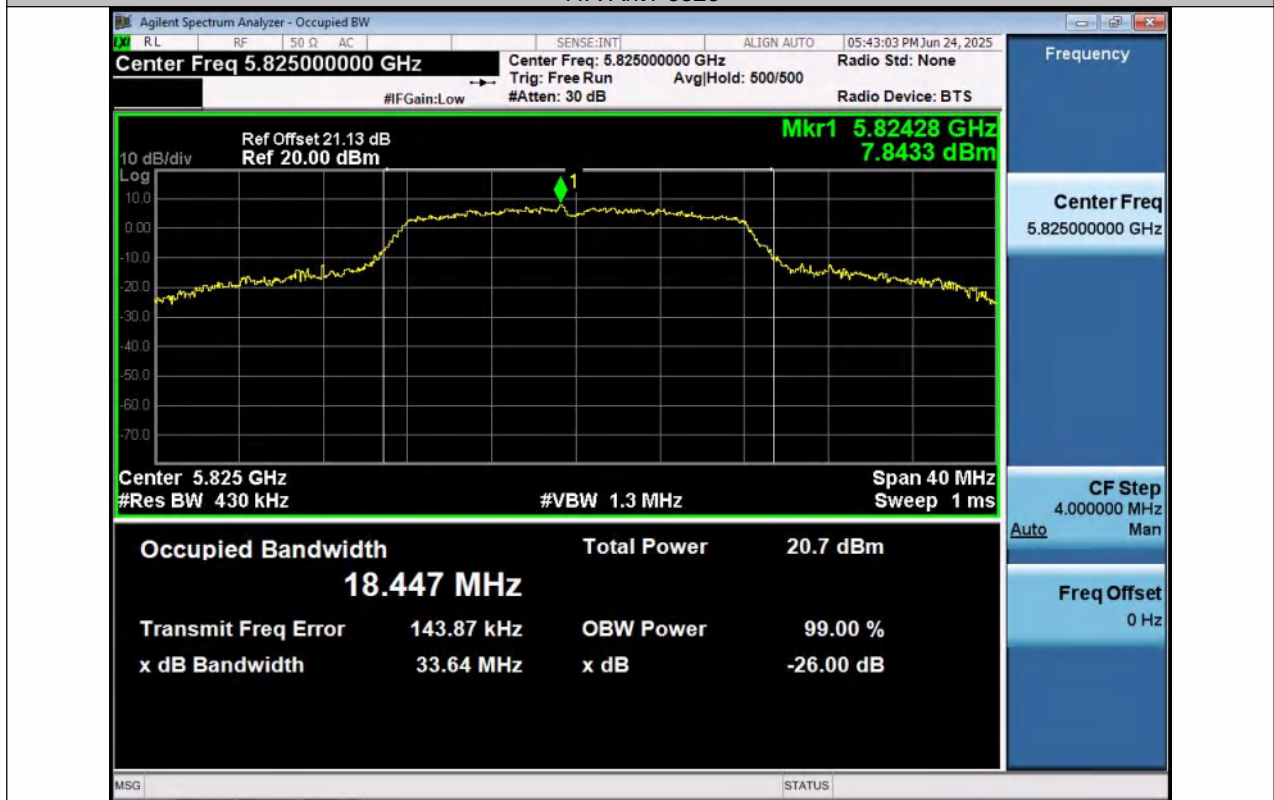
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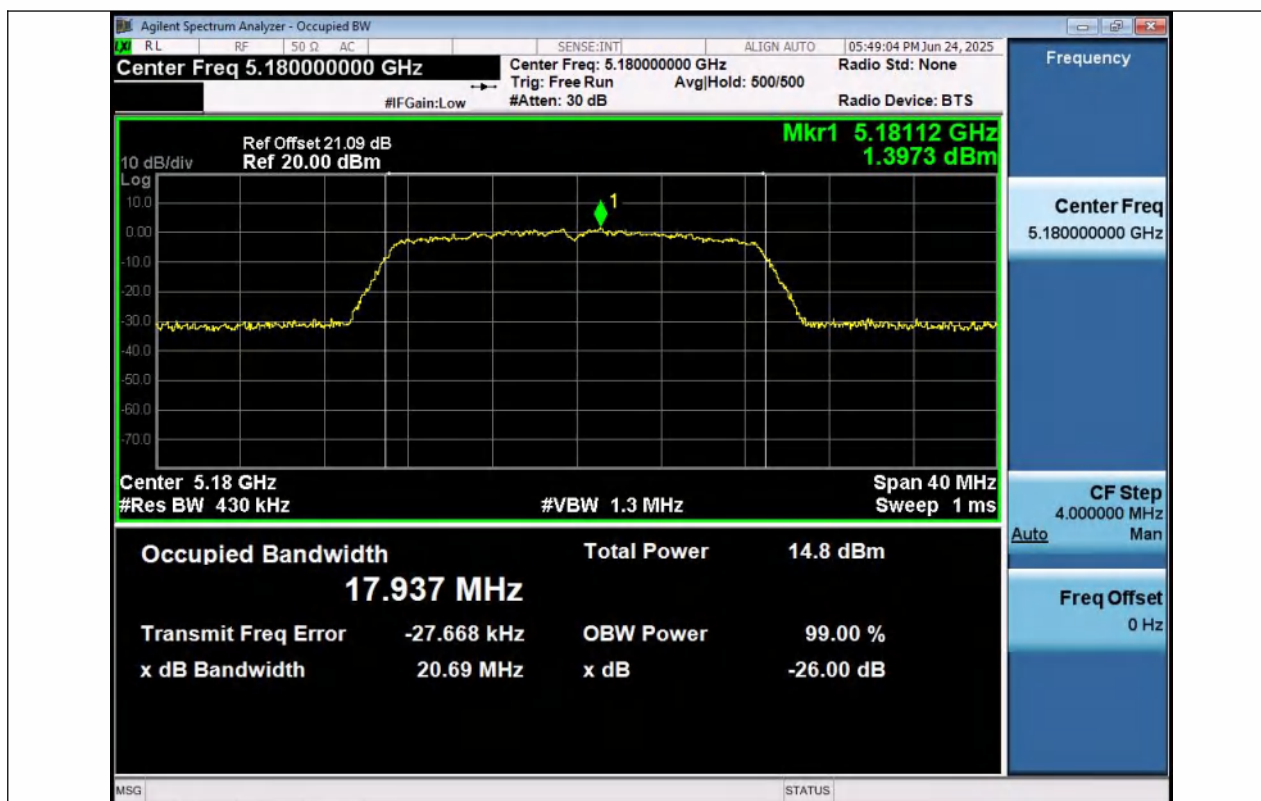
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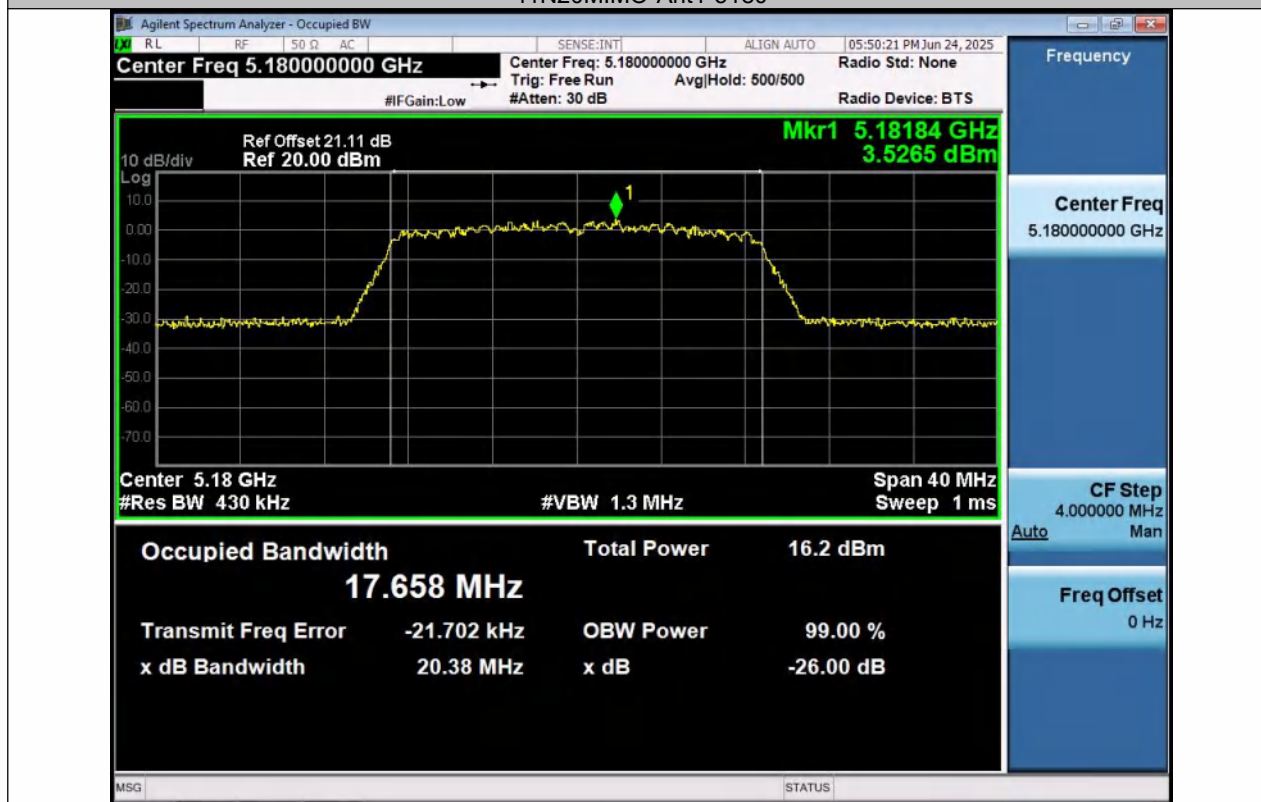
11A-Ant1-5825



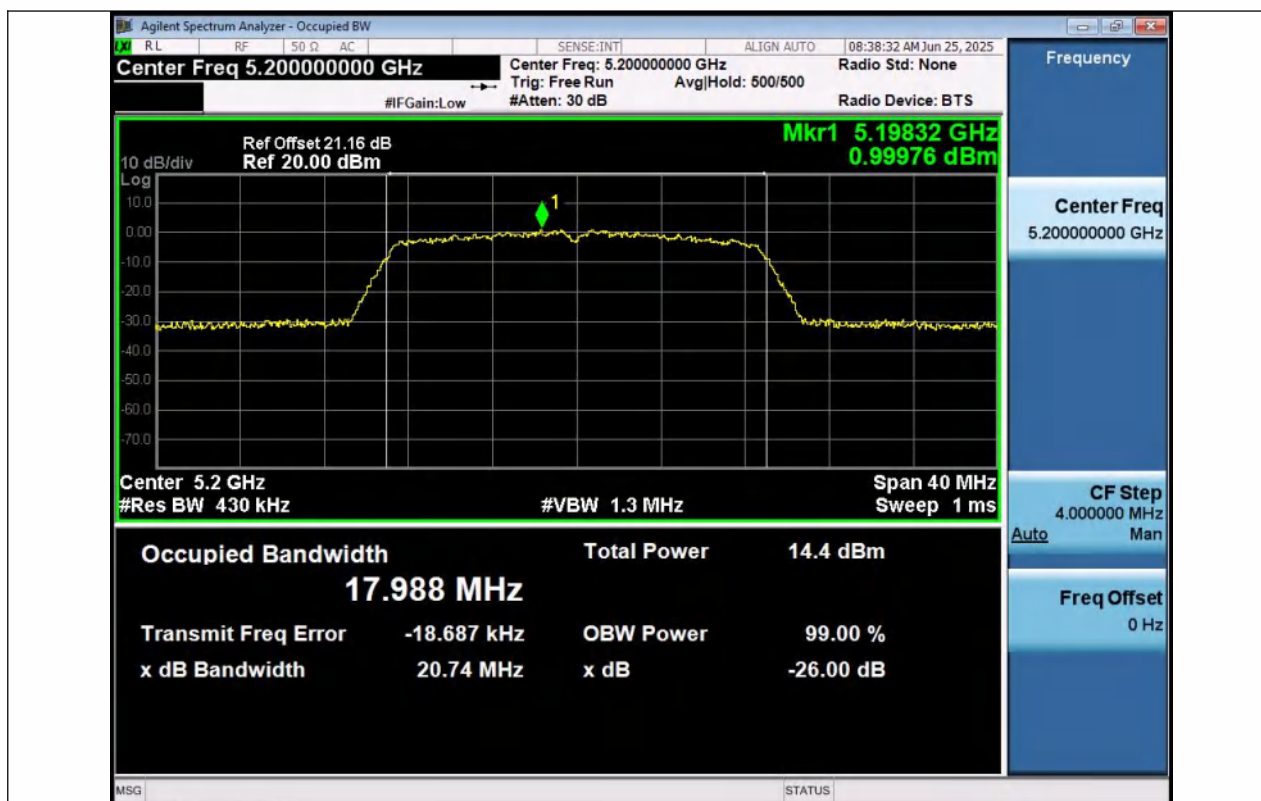
11A-Ant2-5825



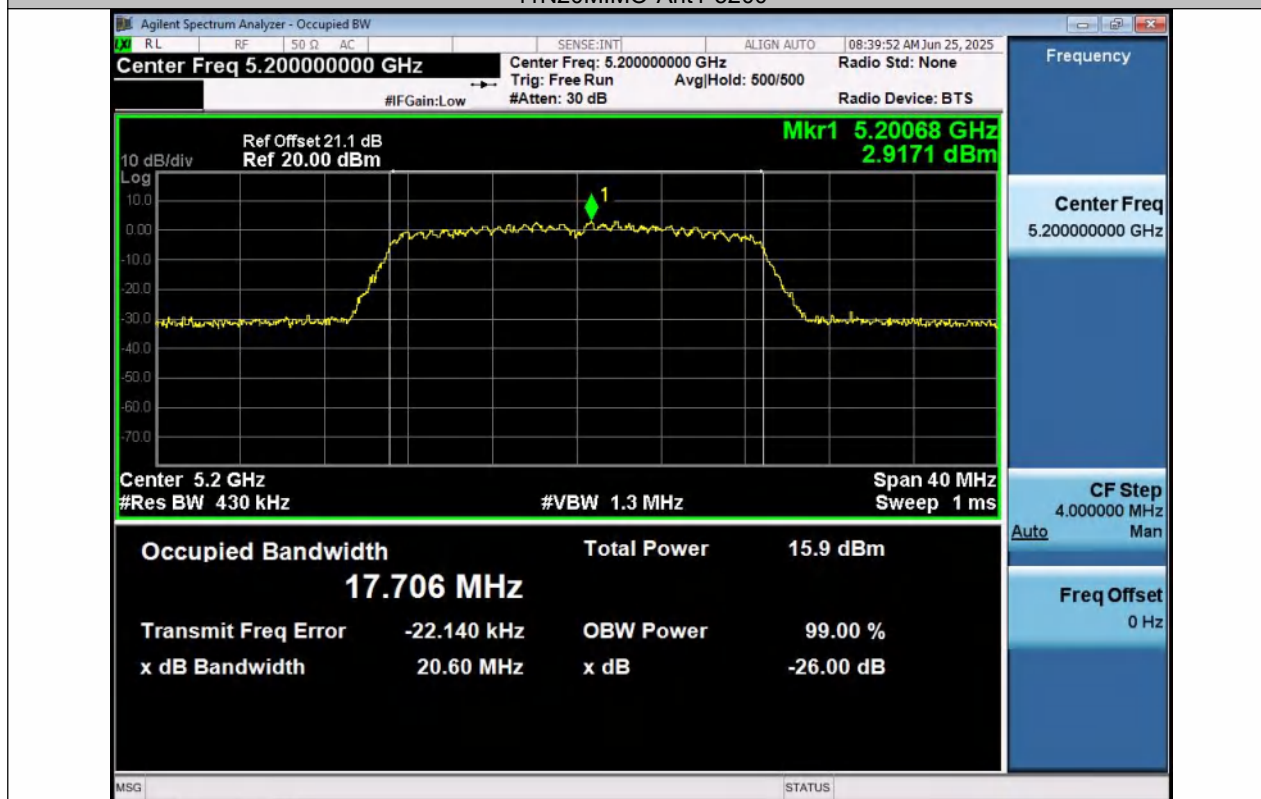
11N20MIMO-Ant1-5180



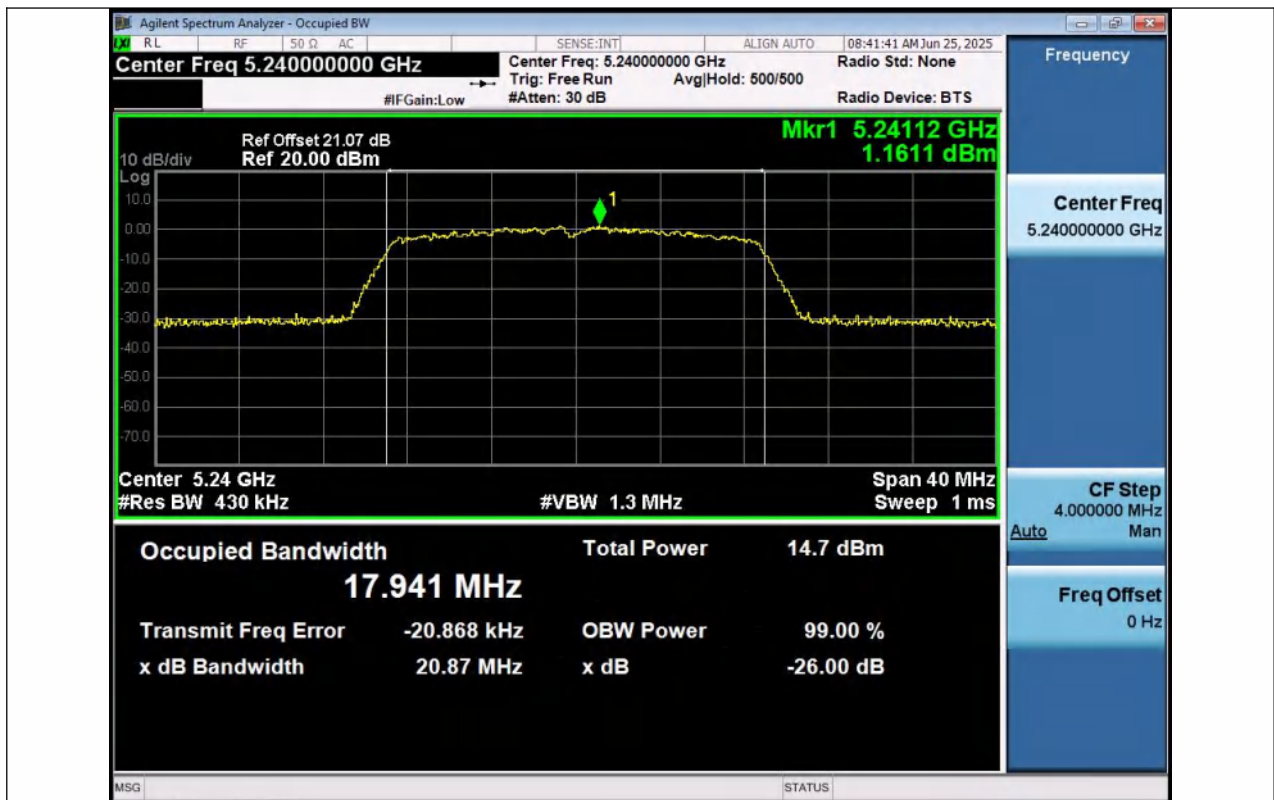
11N20MIMO-Ant2-5180



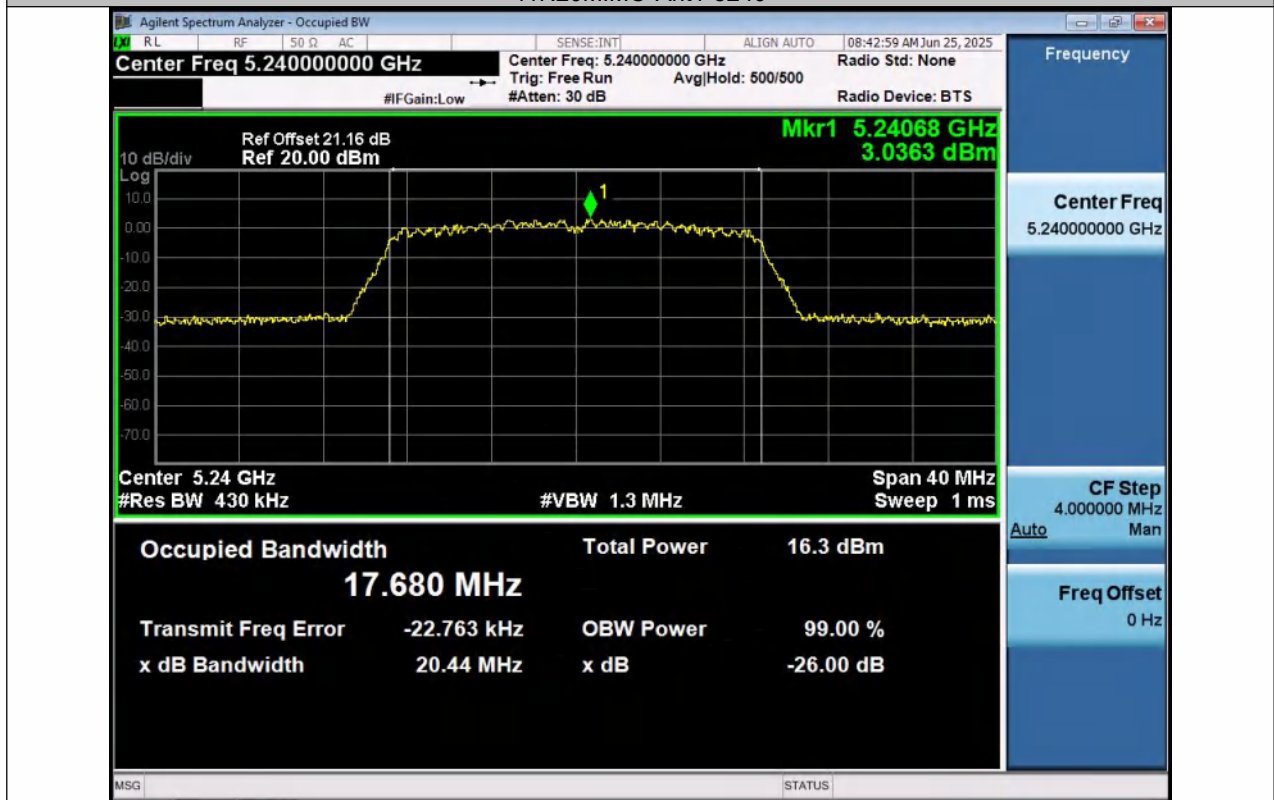
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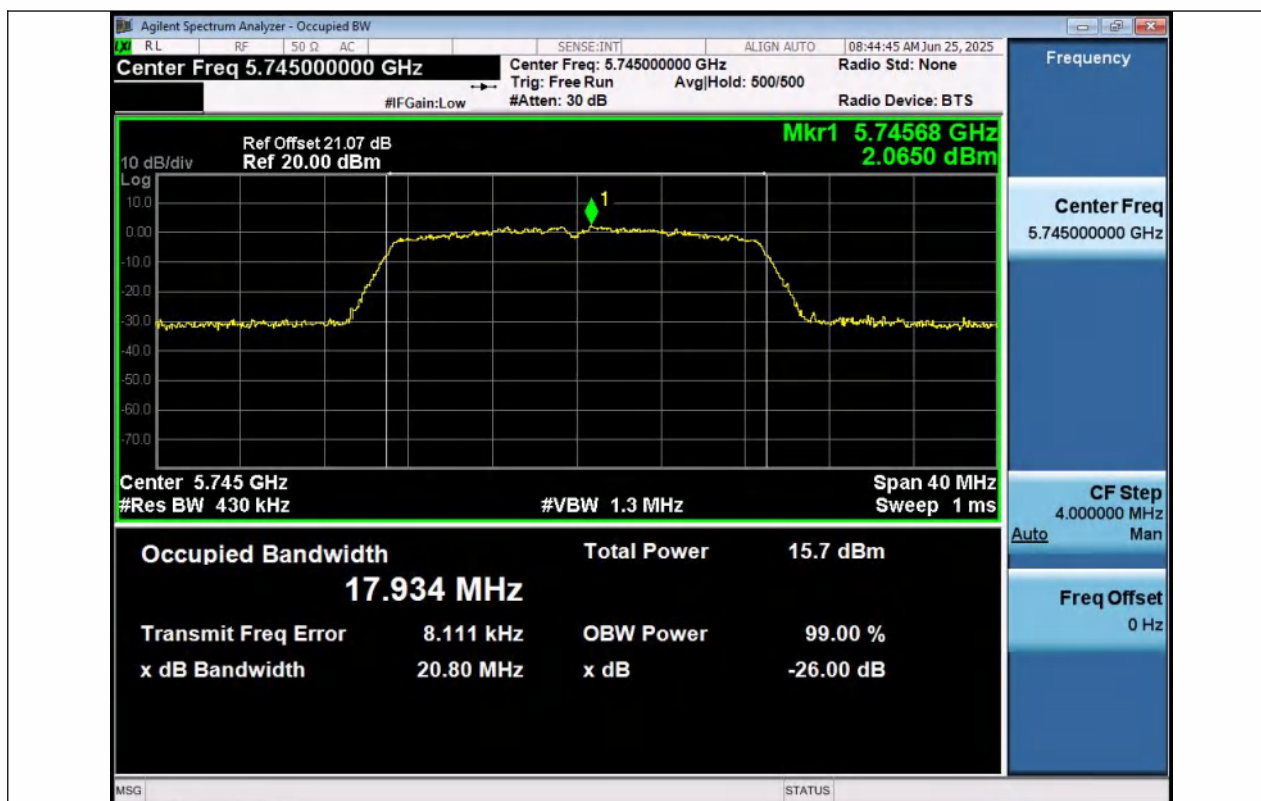
11N20MIMO-Ant2-5200



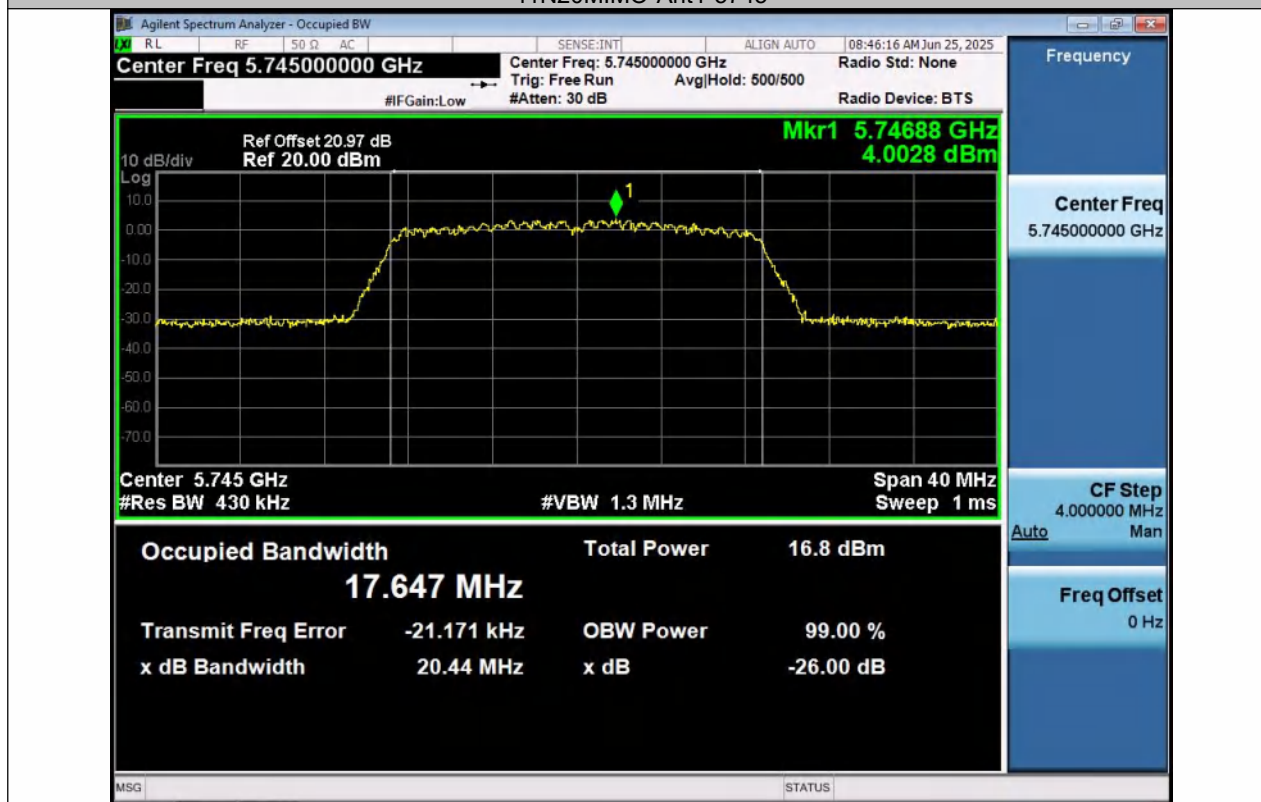
11N20MIMO-Ant1-5240



11N20MIMO-Ant2-5240

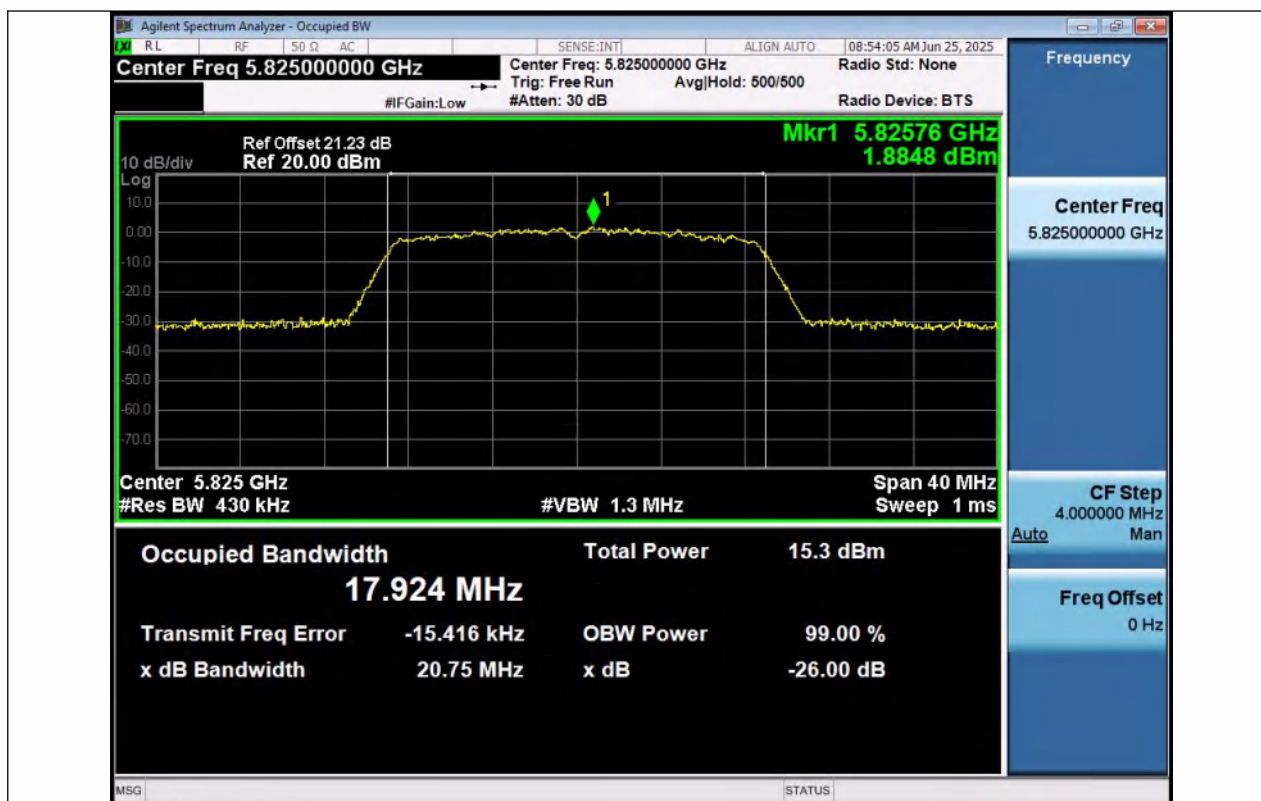


11N20MIMO-Ant1-5745

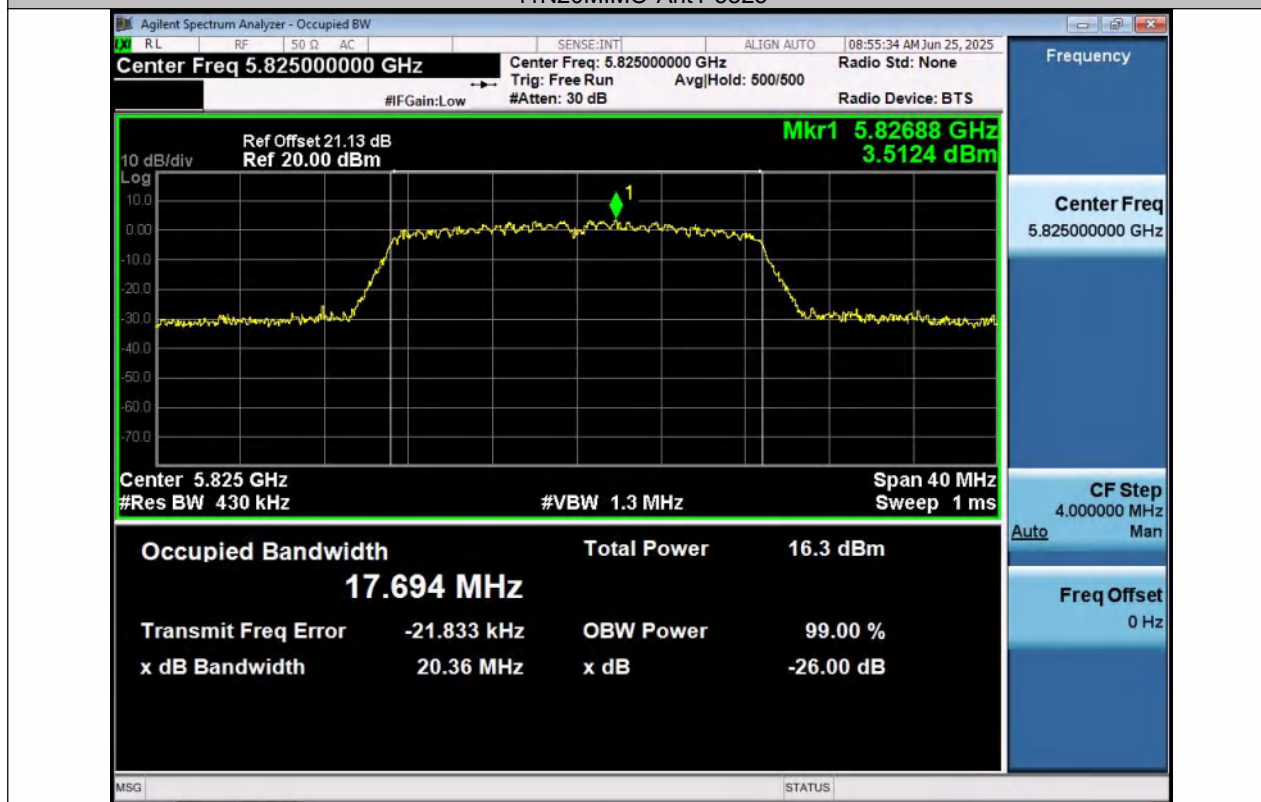


11N20MIMO-Ant2-5745

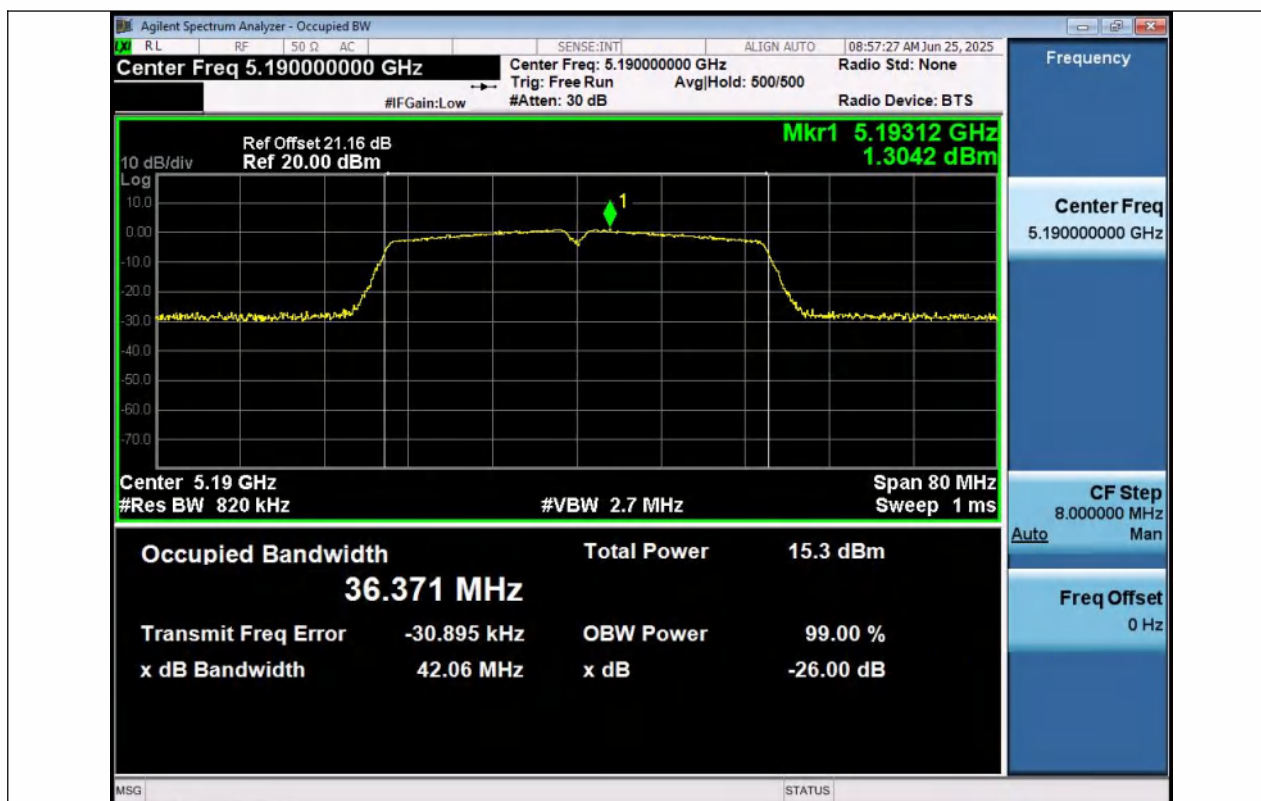




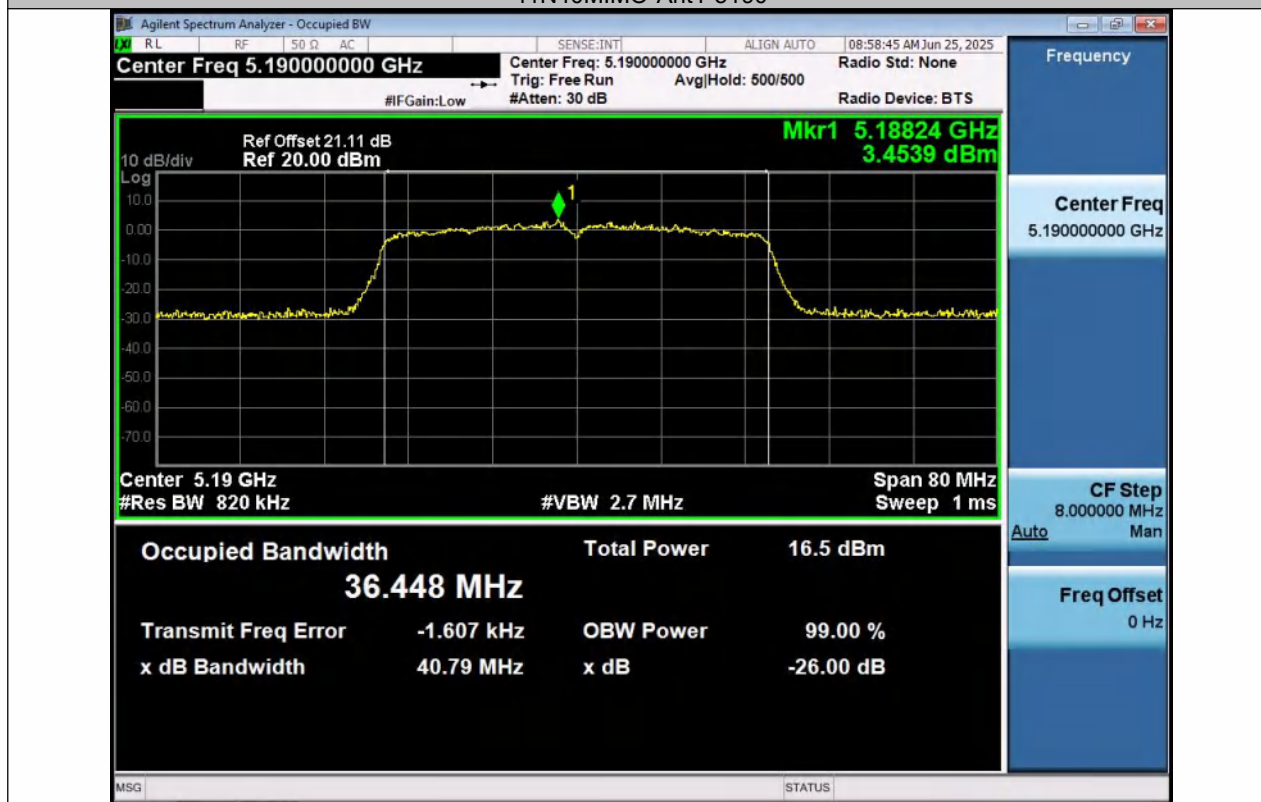
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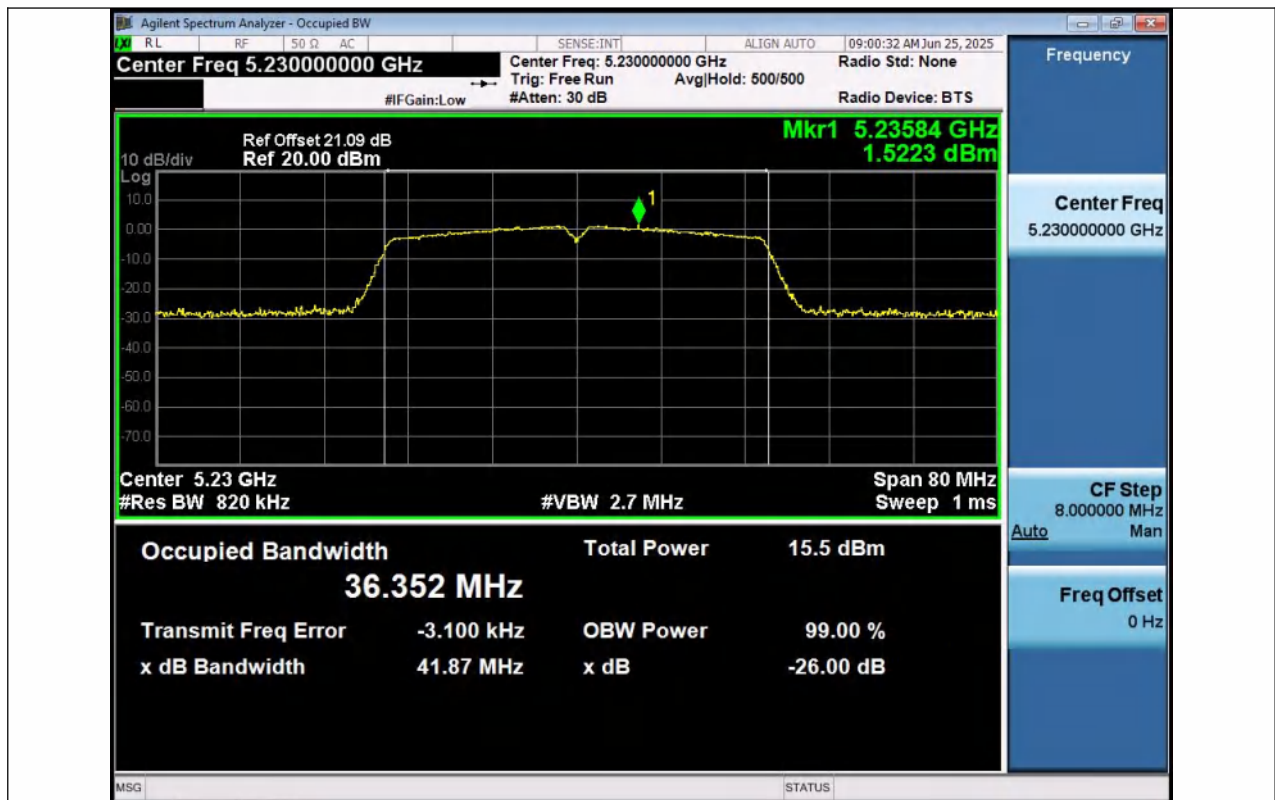
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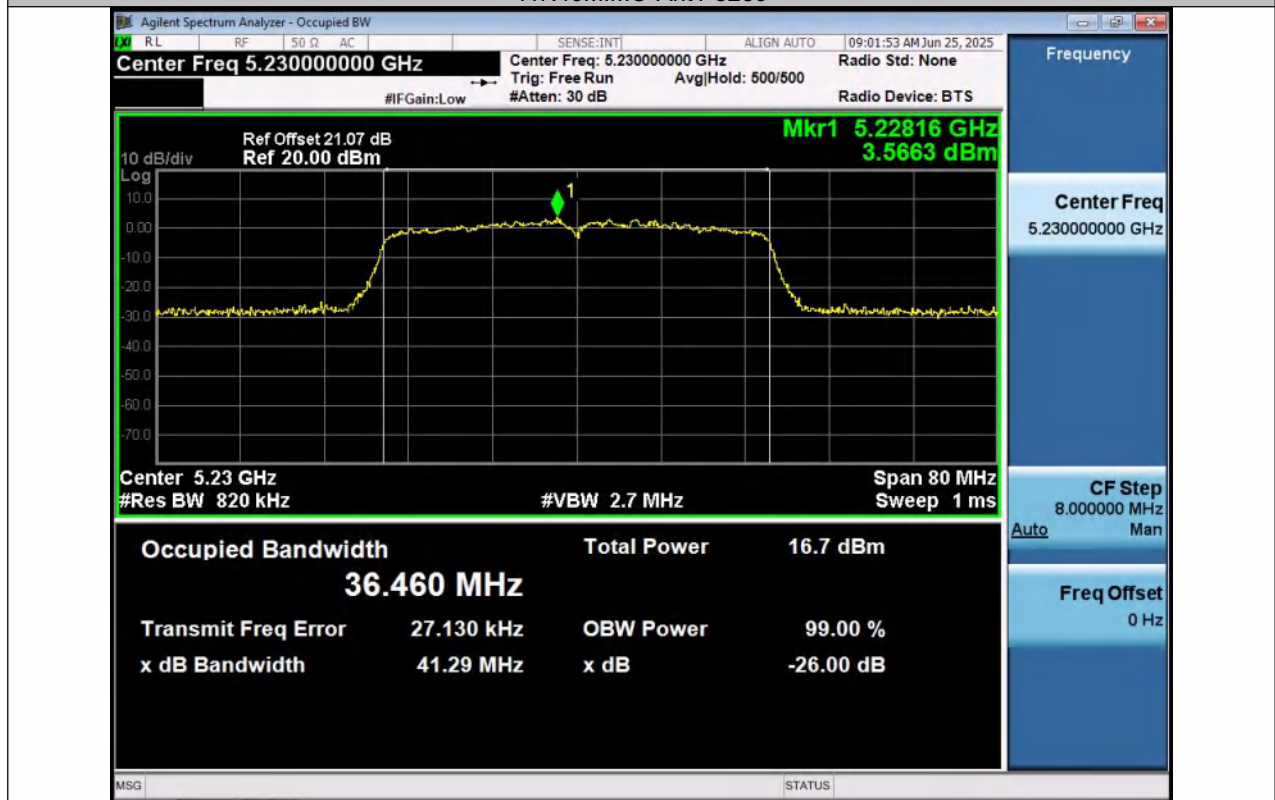
11N40MIMO-Ant1-5190



11N40MIMO-Ant2-5190



11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230