

TEST REPORT

Report Number: 14523771-E10V2

Applicant : APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A

Model : A2849

Brand : APPLE

FCC ID : BCG-E8439A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E

Date Of Issue:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	8/24/2023	Initial Issue	Chris Xiong
V2	8/26/2023	Addressed TCB Questions section 9	Chris Xiong

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A

EUT DESCRIPTION: SMARTPHONE

MODEL: A2849

BRAND: APPLE

SERIAL NUMBER: WQ5YHFM7Y5 (Conducted), TP9VPMHF29 (Conducted)
D524M7NV9G (Radiated), CV6NX2HP3H (Radiated)

SAMPLE RECEIPT DATE: MARCH 12, 2023

DATE TESTED: MARCH 13, 2023 – AUGUST 24, 2023

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

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2. TEST RESULT SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see Section 6.3)
2. Cable loss (see Section 6.3)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	ANSI C63.10 Section 12.2
See Comment	99% BW	Reporting purposes only	ANSI C63.10 Section 6.9.3
See Comment	26dB BW	Reporting purposes only	None.
§15.407 (a) (7), (8)	Output Power e.i.r.p.	Compliant	Dual Client.
§15.407 (a) (7), (8)	PSD e.i.r.p	Compliant	Dual Client.
§15.407 (b) (6)	Emissions outside 5.925-7.125 GHz band	Compliant	None
§15.407 (b) (7)	Emissions within 5.925-7.125 GHz Band (Emissions Mask)	Compliant	None
§15.205	Unwanted emissions in restricted bands	Compliant	None
§15.209	Radiated Spurious Emissions	Compliant	None
§15.207	AC Mains Conducted Emissions	Compliant	None

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with;

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15
- FCC KDB 662911 D01 v02r01
- FCC KDB 789033 D02 v02r01
- FCC KDB 987594 D01 General Requirements v01r03
- FCC KDB 987594 D02 EMC Measurement v01r01
- KDB 414788 D01 Radiated Test Site v01r01
- ANSI C63.10-2013

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538 USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538 USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538 USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538 USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538 USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Conducted Antenna Port Emission Measurement	1.940 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	0.450 dB (Peak) 1.300 dB (Ave)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable
Loss (dB) – Preamp Gain (dB)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) +
LISN Insertion Loss.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, UMTS, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax, Bluetooth (BT), Ultra-Wideband (UWB), GPS, NFC, NB UNII, 802.15.4, 802.15.4ab-NB and MSS technologies. The rechargeable battery is not user accessible.

This report covers 6E 802.11ax Wi-Fi radio.

6.1.1. EUT DEVICE CLASS

Dual Client (6CD)	U-NII Bands of Operation			
	5	6	7	8
Indoor Client	☒	☒	☒	☒
Standard Client	☒	☐	☒	☐

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum EIRP output power as follows:

6.2.1. LP

UNII-5 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-5 Band, 1TX			
5955-6415	802.11ax HE20	8.72	7.45
5965-6405	802.11ax HE40	11.72	14.86
5985-6385	802.11ax HE80	14.24	26.55
6025-6345	802.11ax HE160	17.23	52.84
UNII-5 Band, 2TX			
5955-6415	802.11ax HE20 OFDMA	5.71	3.72
5955-6415	802.11ax HE20 OFDMA, SDM	8.72	7.45
5965-6405	802.11ax HE40 OFDMA	8.71	7.43
5965-6405	802.11ax HE40 OFDMA, SDM	11.75	14.96
5985-6385	802.11ax HE80 OFDMA	11.21	13.21
5985-6385	802.11ax HE80 OFDMA, SDM	14.20	26.30
6025-6345	802.11ax HE160 OFDMA	14.22	26.42
6025-6345	802.11ax HE160 OFDMA, SDM	17.20	52.48

UNII-6 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-6 Band, 1TX			
6435 - 6515	802.11ax HE20	8.54	7.14
6445 - 6525	802.11ax HE40	11.74	14.93
6465	802.11ax HE80	14.05	25.41
6505	802.11ax HE160, Straddle Channel	17.24	52.97
UNII-6 band, 2TX			
6435 - 6515	802.11ax HE20 OFDMA	5.58	3.61
6435 - 6515	802.11ax HE20 OFDMA, SDM	8.58	7.21
6445 - 6525	802.11ax HE40 OFDMA	8.58	7.21
6445 - 6525	802.11ax HE40 OFDMA, SDM	11.59	14.42
6465	802.11ax HE80 OFDMA	11.06	12.76
6465	802.11ax HE80 OFDMA, SDM	14.08	25.59
6505	802.11ax HE160 OFDMA, Straddle	14.08	25.59
6505	802.11ax HE160 OFDMA, SDM Straddle	17.08	51.05

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535 - 6875	802.11ax HE20	8.75	7.50
6565 - 6845	802.11ax HE40	11.73	14.89
6545 - 6865	802.11ax HE80	14.24	26.55
6665 - 6825	802.11ax HE160	17.24	52.97
UNII-7 Band 2TX			
6535-6875	802.11ax HE20 OFDMA	5.58	3.61
6535-6875	802.11ax HE20 OFDMA, SDM	8.56	7.18
6565-6845	802.11ax HE40 OFDMA	8.53	7.13
6565-6845	802.11ax HE40 OFDMA, SDM	11.57	14.35
6545-6865	802.11ax HE80 OFDMA	11.06	12.76
6545-6865	802.11ax HE80 OFDMA, SDM	14.04	25.35
6665-6825	802.11ax HE160 OFDMA	14.08	25.59
6665-6825	802.11ax HE160 OFDMA, SDM	17.07	50.93

UNII-8 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-8 Band 1TX			
6895-7115	802.11ax HE20	8.65	7.33
6885-7085	802.11ax HE40	11.64	14.59
6945-7025	802.11ax HE80	14.13	25.88
6985	802.11ax HE160	17.13	51.64
UNII-8 Band 2TX			
6895-7115	802.11ax HE20 OFDMA	6.16	4.13
6895-7115	802.11ax HE20 OFDMA, SDM	8.66	7.35
6885-7085	802.11ax HE40 OFDMA	9.17	8.26
6885-7085	802.11ax HE40 OFDMA, SDM	11.66	14.66
6945-7025	802.11ax HE80 OFDMA	11.66	14.66
6945-7025	802.11ax HE80 OFDMA, SDM	14.16	26.06
6985	802.11ax HE160 OFDMA	14.67	29.31
6985	802.11ax HE160 OFDMA, SDM	17.14	51.76

6.2.2. SP

UNII-5 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-5 Band, 1TX			
5955-6415	802.11ax HE20	18.24	66.68
5965-6405	802.11ax HE40	18.22	66.37
5985-6385	802.11ax HE80	18.24	66.68
6025-6345	802.11ax HE160	18.25	66.83
UNII-5 Band, 2TX			
5955-6415	802.11ax HE20 OFDMA	21.00	125.89
5955-6415	802.11ax HE20 OFDMA, SDM	Covered by 802.11ax HE20 OFDMA	
5965-6405	802.11ax HE40 OFDMA	21.00	125.89
5965-6405	802.11ax HE40 OFDMA, SDM	Covered by 802.11ax HE40 OFDMA	
5985-6385	802.11ax HE80 OFDMA	20.98	125.31
5985-6385	802.11ax HE80 OFDMA, SDM	Covered by 802.11ax HE80 OFDMA	
6025-6345	802.11ax HE160 OFDMA	20.97	125.03
6025-6345	802.11ax HE160 OFDMA, SDM	Covered by 802.11ax HE160 OFDMA	

UNII-7 BAND

Frequency Range (MHz)	Mode	Output Power EIRP (dBm)	Output Power EIRP (mW)
UNII-7 Band 1TX			
6535-6855	802.11ax HE20	19.25	84.14
6565-6845	802.11ax HE40	19.24	83.95
6625-6785	802.11ax HE80	19.25	84.14
6665	802.11ax HE160	19.23	83.75
UNII-7 Band 2TX			
6535-6855	802.11ax HE20 OFDMA	21.34	136.14
6535-6855	802.11ax HE20 SDM	Covered by 802.11ax HE20 OFDMA	
6565-6845	802.11ax HE40 OFDMA	21.33	135.83
6565-6845	802.11ax HE40 SDM	Covered by 802.11ax HE40 OFDMA	
6625-6785	802.11ax HE80 OFDMA	21.33	135.83
6625-6785	802.11ax HE80 SDM	Covered by 802.11ax HE80 OFDMA	
6665	802.11ax HE160 OFDMA	21.32	135.52
6665	802.11ax HE160 SDM	Covered by 802.11ax HE160 OFDMA	

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The antenna type is IFA.

The antenna gain as provided by the manufacturer' are as follows:

Antenna Gain					
Frequency Range	Sub-band	Antenna 6	Antenna 5	Uncorrelated Chains	Correlated Chains
(MHz)	(MHz)	Gain (dBi)	Gain (dBi)	Directional Gain (dBi)	Directional Gain (dBi)
5925 - 6425 UNII-5	Sub-band 1 (5955 - 6095)	-2.60	-2.00	-2.29	0.72
	Sub-band 2 (6115 - 6255)	-1.00	-1.50	-1.24	1.76
	Sub-band 3 (6275 - 6415)	-1.40	-2.90	-2.09	0.89
6425 - 6525 UNII-6	N/A	-0.70	-1.70	-1.17	1.82
UNII-6/7 (Straddle Channel)	N/A	1.00	-1.10	0.08	3.02
6525 - 6875 UNII-7	N/A	1.00	-1.10	0.08	3.02
UNII-7/8 (Straddle Channel)	N/A	1.40	-4.30	-0.58	2.02
6875 - 7125 UNII-8	N/A	1.40	-5.70	-0.84	1.57

Cable Loss		
Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)
5925 - 6105	2.25	2.25
6105 - 6265	2.25	2.25
6265 - 6425	2.25	2.25
6425 - 6525	2.25	2.25
6525 - 6875	2.25	2.25
6875 - 7125	2.25	2.25

The cables were used for RF antenna port tests that had been offset to the test equipment during testing.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was 23_10_686.

6.5. WORST-CASE CONFIGURATION AND MODE

This device is classified as dual client and programmed with two output power levels: indoor client mode (LP) & standard client mode (SP). Only indoor client mode supports straddle channels.

For RF conducted tests, indoor client mode has been tested with SISO and 2TX CDD and SDM MIMO modes. Standard client mode was done with SISO and 2TX CDD modes as it has same output power levels in 2TX CDD and SDM modes and 2TX CDD mode was set for all antenna port tests after investigation.

The 802.11a mode 20MHz covered by the 802.11ax mode since both have the same power.

Radiated tests were performed at the higher of the LP and SP power levels. The fundamental of the EUT was investigated in three orthogonal orientations: X (Flatbed), Y (Landscape), Z (Portrait). It was determined that Z (Portrait) orientation was the worst-case orientation for ANT6 and 2TX and X (Flatbed) was the worst-case orientation for ANT5.

With same power on Full RU and SU higher data rate, investigations were performed on both for band edge to determine the worst case, and SU mode was determined to be the worst case. Radiated emissions below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. There were no emissions found below 30MHz within 20dB of the limit.

For radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-26GHz, 26-40GHz and power line conducted emissions, tests were performed with the EUT set at the 2TX CDD mode among the CDD/SDM modes and 2TX HE mode with power setting equal or higher than SISO modes as worst-case scenario.

For radiated band edge test, all test modes have been investigated with power setting equal or higher than conducted SISO modes as the worst-case scenario.

Below 1GHz tests were performed with EUT connected to AC power adapter as the worst case; and for above 1GHz tests, the worst-case configuration reported was with EUT only. For AC line conducted emission, test was investigated with AC power adapter and with laptop.

The output power and PSD for the 802.11 ax mode were investigated between all different tones and we found that SU mode had the highest output power and the lowest tone had the highest PSD readings. After investigation, antenna port conducted tests were performed on both SU and lowest tones; radiated spurious emission and radiated band edge tests were performed on SU and lowest tones.

For conducted testing - all tests performed on both SU (highest output power) and lowest tones (highest PSD reading).

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. For the radiated band edge on UNII-5 (low channel) & UNII-8 (high channel), the following are the worst-case data rates set for test:

802.11ax HE20/HE40/HE80/HE160 RU 26 Tones and SU modes: MCS0 & MCS11 (report MCS11 only as worst-case mode).

802.11ax HE20 Channel 233: supports SU Mode only per Client.

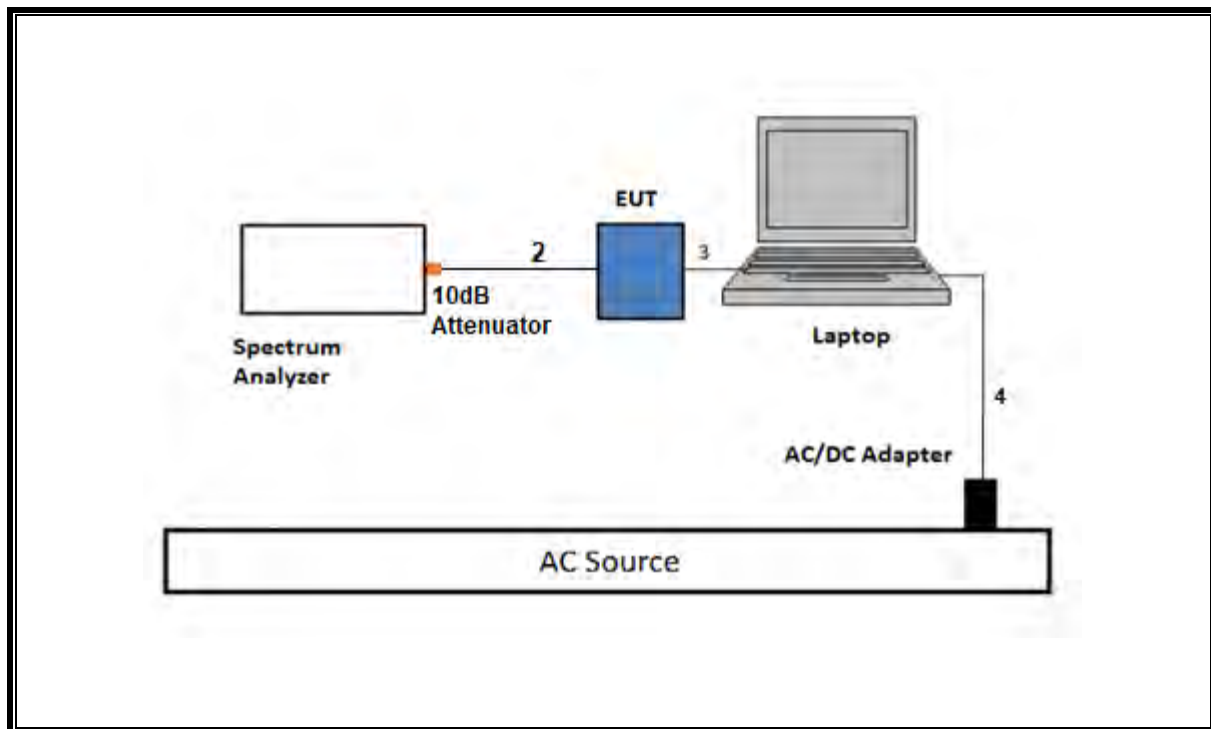
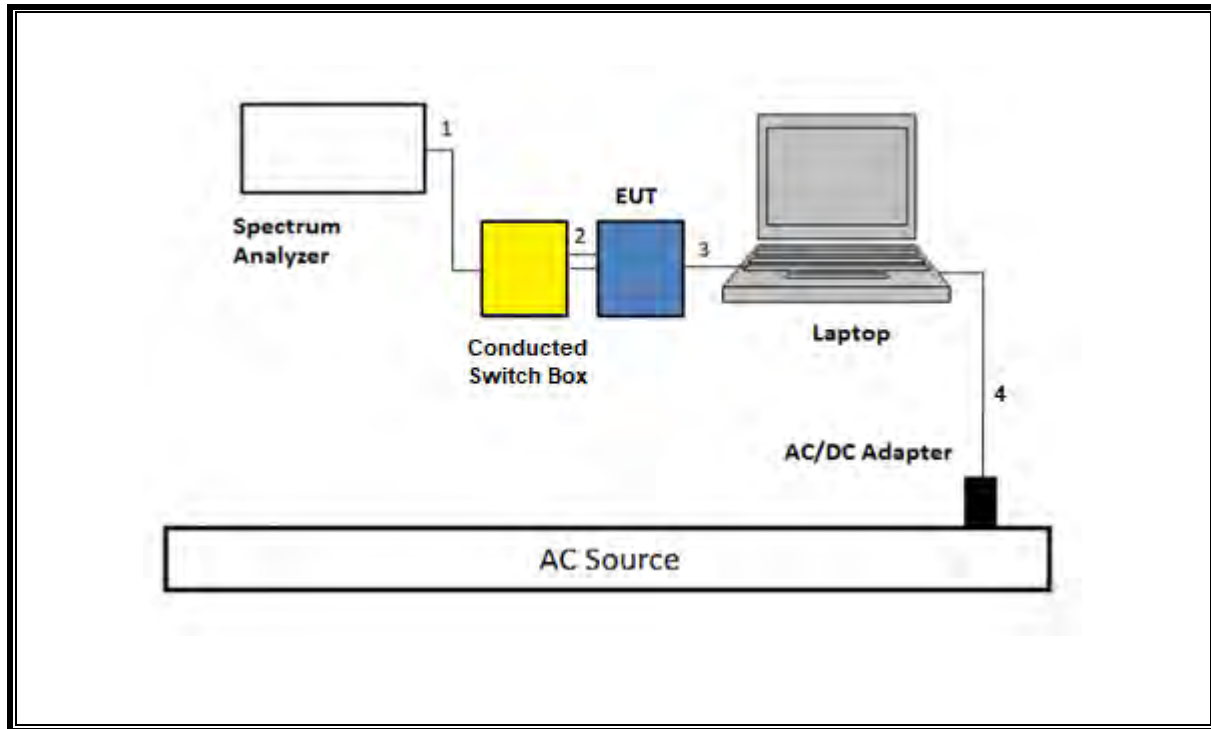
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook Pro	C02VD7SAHV22		BCGA1708
Laptop AC/DC adapter		Liteon Technology	A1424	NSW25679		DoC
EUT AC/DC adapter		Apple	A1720	C3D8417A7R93KVPA8		DoC
Conducted Switch Box		UL	N/A	208281		N/A
10dB Fixed Attenuator, 2 Watts Up to 26.5 GHz		Pasternack Enterprises	PE7024-10	236358		N/A
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	SMA	1	SMA	Shielded	0.75	To spectrum Analyzer
2	Antenna	2	SMA	Un-shielded	0.2	To Conducted Switch Box
3	USB-C	1	USB-C	Shielded	1.0	N/A
4	AC	1	AC	Un-shielded	2	N/A
I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	AC	Un-shielded	2	N/A
2	USB	1	USB	Shielded	1	N/A

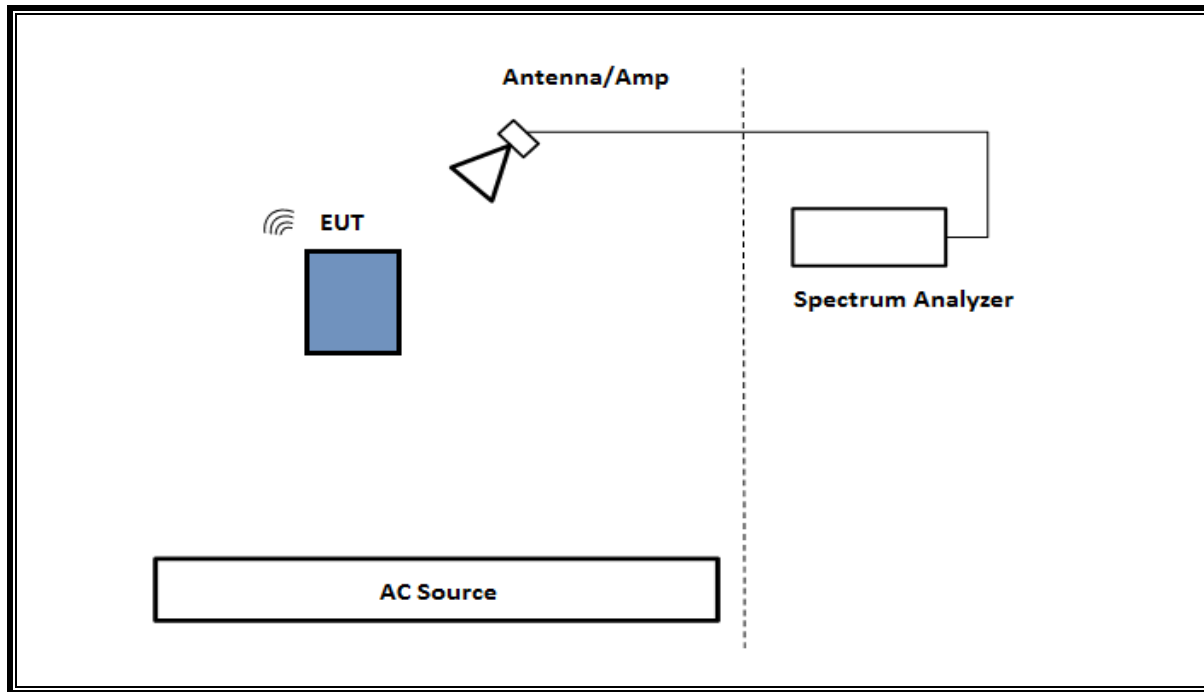
TEST SETUP

The EUT setup is shown as below. Test software exercised the radio card.

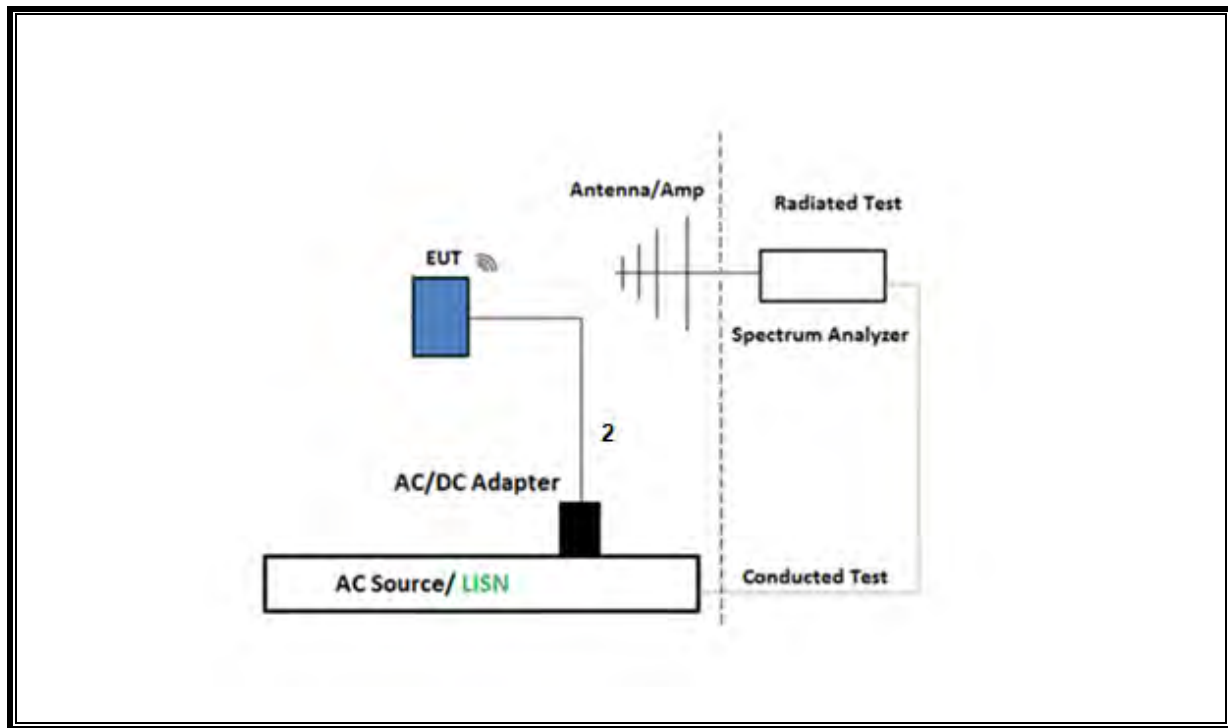
SETUP DIAGRAM FOR CONDUCTED TESTS



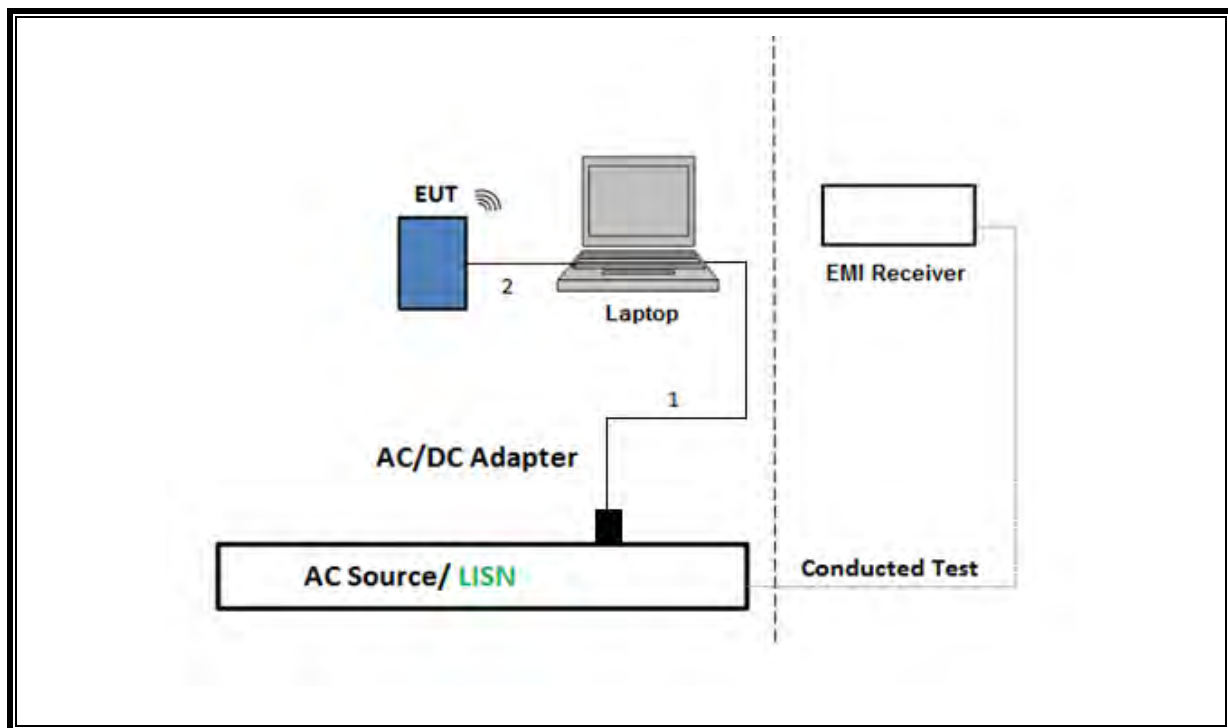
SETUP DIAGRAM FOR RADIATED TESTS ABOVE 1GHz



SETUP DIAGRAM FOR BELOW 1GHz and AC LINE CONDUCTED TEST



TEST SETUP - AC LINE CONDUCTED: LAPTOP CONFIGURATION



7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section B.

26 dB Emission BW: KDB 789033 D02 v02r01, Section C.

99% Occupied Bandwidth: KDB 789033 D02 v02r01, Section II-D

Conducted Output Power: KDB 789033 D02 v02r01, Section II E.3.b (Method PM-G).

Power Spectral Density (PSD): KDB 789033 D02 v02r01, Section F

Spurious emissions within 5.925-7.125 GHz Band (Emissions Mask): KDB 987594 D02 EMC Measurement Section II-J

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 Section 6.4

8. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Spectrum Analyzer, PSA, 3Hz to 26.5GHz	Keysight Technologies Inc	E4440A	79602	02/29/2024	02/01/2023
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80397	02/28/2024	02/06/2023
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	87738	02/29/2024	02/06/2023
10dB Fixed Attenuator,	Pasternack Enterprises	PE7087-10	236360	Characterized/Verified before use	
10dB Fixed Attenuator,	Pasternack Enterprises	PE7005-10	236359	Characterized/Verified before use	
10dB Fixed Attenuator, 2 Watts Up to 26.5 GHz	Pasternack Enterprises	PE7024-10	238180	Characterized/Verified before use	
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179372	02/29/2024	02/29/2023
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	230299	01/12/2024	01/12/2023
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231874	04/19/2024	04/19/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	02/29/2024	02/27/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	230300	01/12/2024	01/12/2023
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231875	04/30/2024	04/13/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	235670	04/30/2024	04/06/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	226672	01/09/2024	01/09/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	225079	04/30/2024	04/21/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	230548	02/29/2024	02/14/2023
*Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	80404	08/08/2023	08/08/2022
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	216812	09/17/2023	09/17/2022
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	02/29/2024	02/29/2023
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226673	01/09/2024	01/09/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	226781	04/30/2024	04/30/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	02/29/2024	02/18/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	80403	06/30/2024	06/22/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	224478	10/26/2023	10/26/2022
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	226078	02/29/2024	02/22/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	226671	01/09/2024	01/09/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	226779	03/05/2024	03/05/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	226079	05/01/2024	04/19/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	226674	01/09/2024	01/09/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	226780	03/29/2024	03/07/2023

TEST EQUIPMENT LIST- continued					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
*Antenna Horn, 26.5 to 40GHz	ARA	MWH-2640/B	172367	06/01/2023	06/01/2022
*Antenna Horn, 18 to 26.5GHz	ARA	MWH-1826/B	172353	06/01/2023	06/01/2022
RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	171583	02/29/2024	02/29/2023
AMP26G40-65	AMPLICAL	AMP26G40-65	172346	02/29/2024	02/29/2023
*Antenna, Passive Loop 100KHz to 30MHz	ETS-Lindgren	EM-6872	170015	07/28/2023	07/28//2022
*Antenna, Passive Loop 30Hz to 1MHz	Electro-Metrics	EM-6871	170013	07/28/2023	07/28//2022
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201497	02/29/2024	02/16/2023
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences Corp.	JB3	80714	10/06/2023	10/06/2022
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	170648	08/23/2023	08/23/2022
Power Meter, P-series single channel	Keysight	N1911A	90754	01/31/2024	01/31/2023
Power sensor	Keysight	N1921A	80119	01/31/2024	01/31/2023
EMI TEST RECEIVER 9kHz - 3.6GHz	Rohde & Schwarz	ESR3	171646	02/29/2024	02/29/2023
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	01/24/2024	01/27/2023
*Transient Limiter	TE	TBFL1	207996	07/15/2023	07/15/2022

Test Software List			
Description	Manufacturer	Model	Version
Radiated Software	UL	UL EMC	Version 9.5, 01 May 2023
Conducted Software	UL	UL EMC	2022.8.16
AC Line Conducted Software	UL	UL EMC	Version 9.5, 03 March 2023

*Testing completed before the equipment expiration date.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

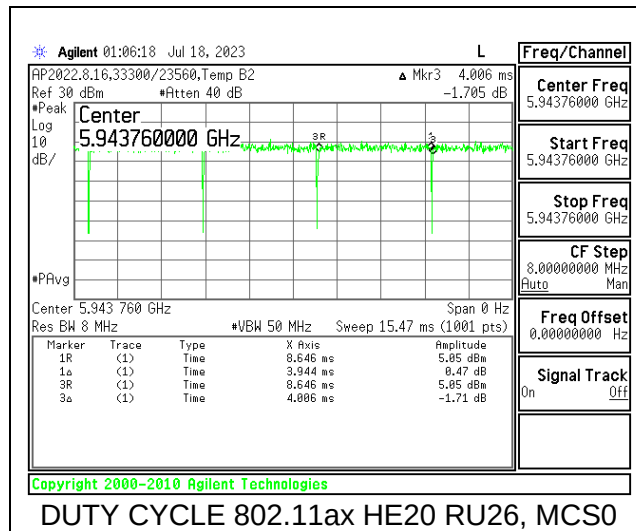
KDB 789033 Zero-Span Spectrum Analyzer Method.

RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11ax HE20 RU26, MCS0	3.944	4.006	0.985	98.45%	0.00	0.010
802.11ax HE20 RU26, MCS11	0.292	0.327	0.893	89.26%	0.49	3.423
802.11ax HE20 SU, MCS0	2.879	2.899	0.993	99.31%	0.00	0.010
802.11ax HE20 SU, MCS11	0.147	0.167	0.879	87.91%	0.56	6.821
802.11ax HE40 RU26, MCS0	3.937	4.014	0.981	98.08%	0.00	0.010
802.11ax HE40 RU26, MCS11	0.293	0.329	0.893	89.25%	0.49	3.409
802.11ax HE40 SU, MCS0	3.795	3.815	0.995	99.48%	0.00	0.010
802.11ax HE40 SU, MCS11	0.140	0.163	0.857	85.67%	0.67	7.165
802.11ax HE80 RU26, MCS0	3.928	3.983	0.986	98.62%	0.00	0.010
802.11ax HE80 RU26, MCS11	0.293	0.329	0.893	89.25%	0.49	3.409
802.11ax HE80 SU, MCS0	1.842	1.864	0.988	98.82%	0.00	0.010
802.11ax HE80 SU, MCS11	0.140	0.162	0.866	86.62%	0.62	7.136
802.11ax HE160 RU26, MCS0	3.966	4.025	0.985	98.53%	0.00	0.010
802.11ax HE160 RU26, MCS11	0.291	0.327	0.888	88.85%	0.51	3.442
802.11ax HE160 SU, MCS0	0.953	0.973	0.979	97.91%	0.09	1.050
802.11ax HE160 SU, MCS11	0.113	0.134	0.843	84.29%	0.74	8.849
802.11ax HE20 RU26 SDM, MCS0	3.959	4.006	0.988	98.83%	0.00	0.010
802.11ax HE20 SU SDM, MCS0	1.476	1.497	0.986	98.60%	0.00	0.010
802.11ax HE40 RU26 SDM, MCS0	3.937	4.019	0.980	97.96%	0.09	0.254
802.11ax HE40 SU SDM, MCS0	1.934	1.956	0.989	98.88%	0.00	0.010
802.11ax HE80 RU26 SDM, MCS0	3.929	4.014	0.979	97.88%	0.09	0.255
802.11ax HE80 SU SDM, MCS0	0.960	0.981	0.978	97.78%	0.10	1.042
802.11ax HE160 RU26 SDM, MCS0	3.966	4.028	0.985	98.46%	0.00	0.010
802.11ax HE160 SU SDM, MCS0	0.515	0.520	0.989	98.90%	0.00	0.010

Note: Duty cycle factor is the same for both 1TX and 2TX

DUTY CYCLE PLOT



9.2. 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

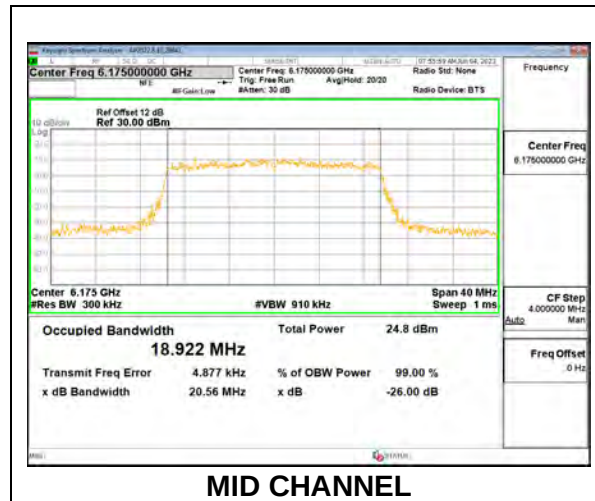
RESULTS

ID:	28641	Date:	6/4/2023
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9.2.1. 802.11ax HE20 MODE IN THE UNII-5 BAND

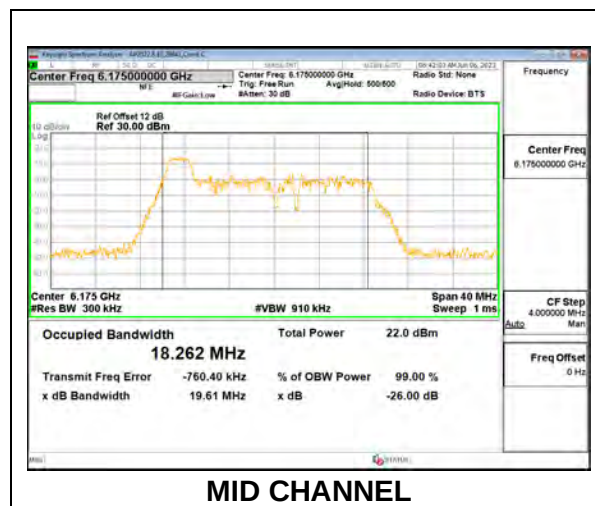
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	20.86	18.919
Mid	6175	20.56	18.922
High	6415	20.88	18.894



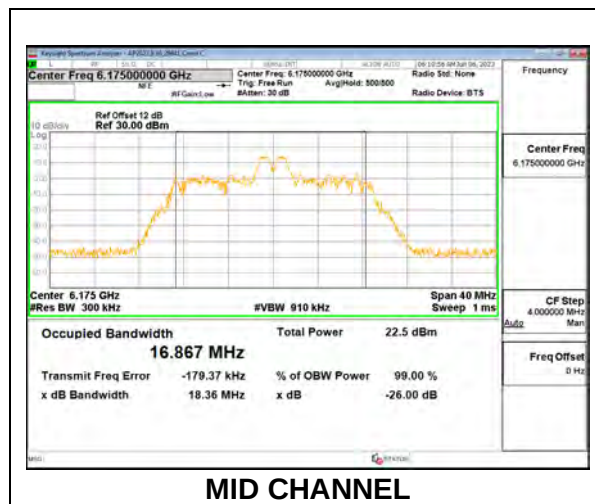
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	19.49	18.013
Mid	6175	19.61	18.262
High	6415	19.72	18.219



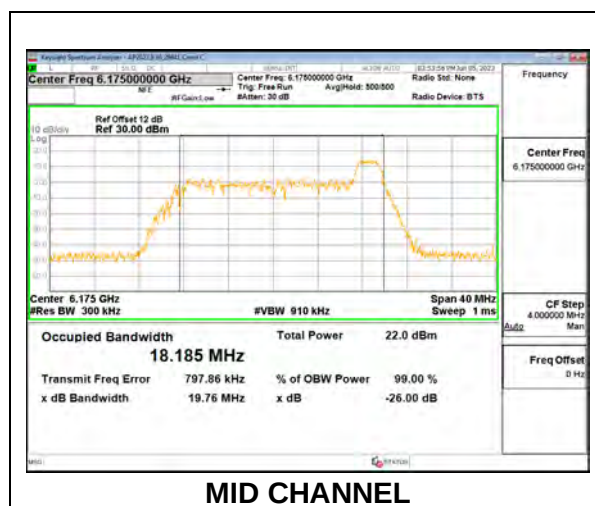
1TX Antenna 6 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	18.40	16.740
Mid	6175	18.36	16.867
High	6415	18.43	15.976



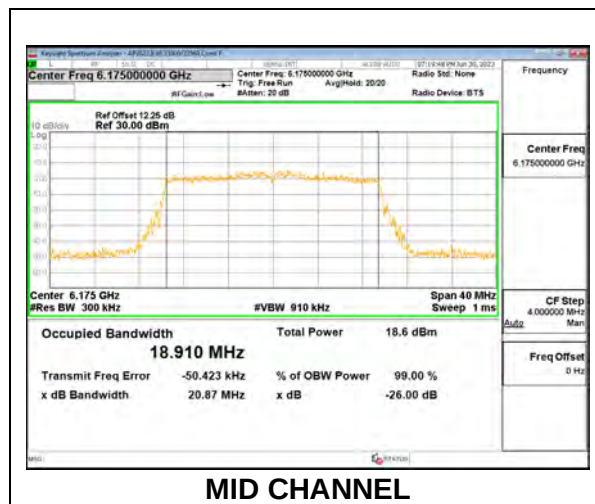
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	20.04	18.465
Mid	6175	19.76	18.185
High	6415	20.01	18.311



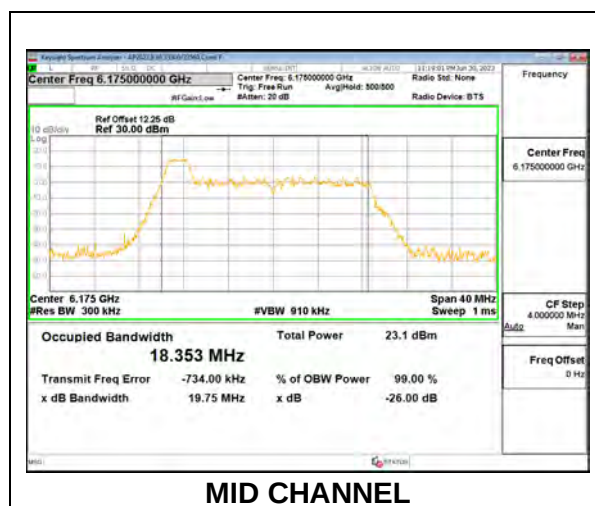
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	20.81	18.926
Mid	6175	20.87	18.910
High	6415	20.84	18.824



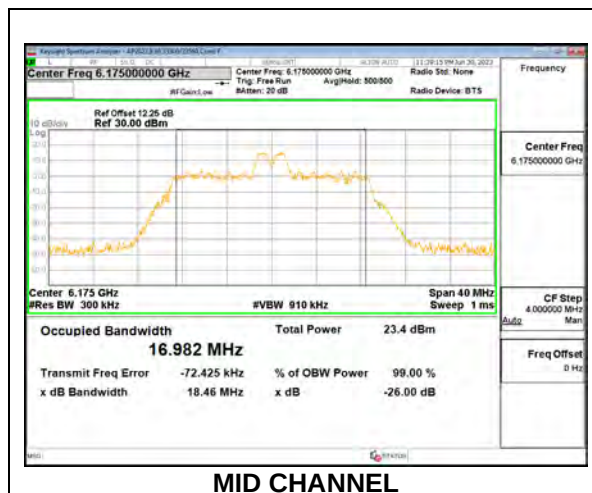
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	19.70	18.330
Mid	6175	19.75	18.353
High	6415	19.82	18.306



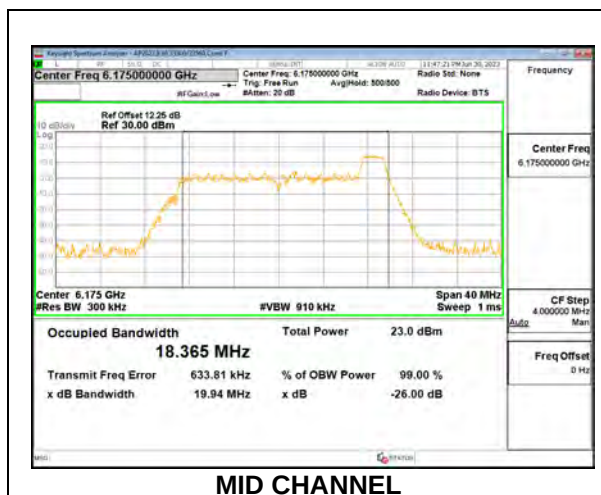
1TX Antenna 5 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	18.14	16.795
Mid	6175	18.46	16.982
High	6415	18.09	16.774



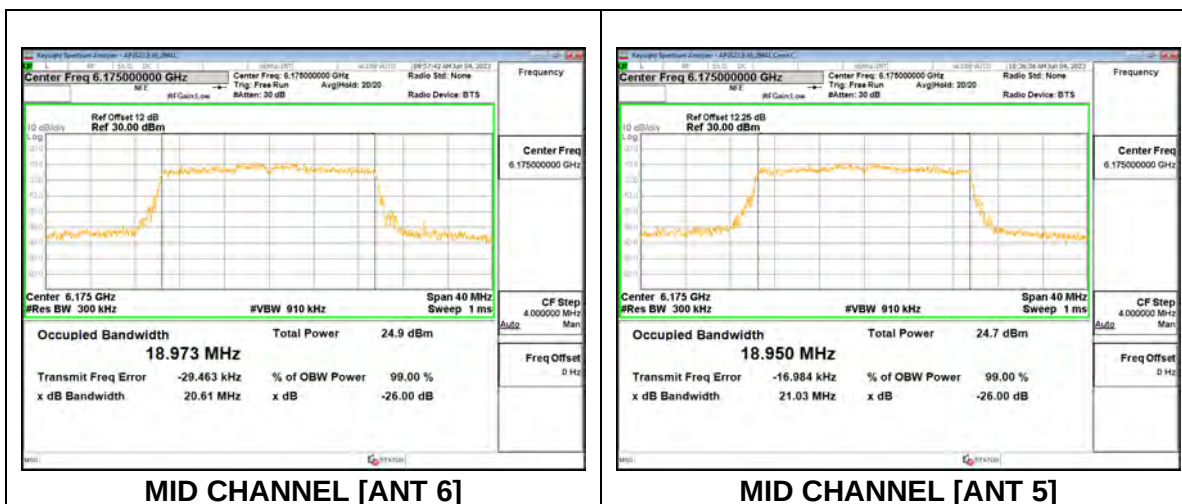
1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5955	20.09	18.479
Mid	6175	19.94	18.365
High	6415	20.14	18.396



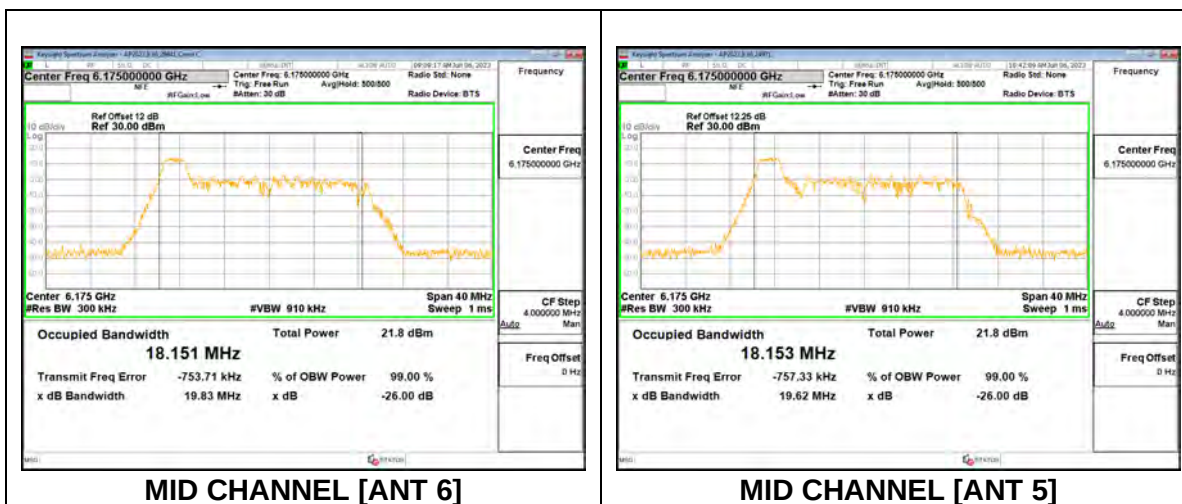
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	20.51	20.61	18.918	18.900
Mid	6175	20.61	21.03	18.973	18.950
High	6415	20.57	20.68	18.979	18.927



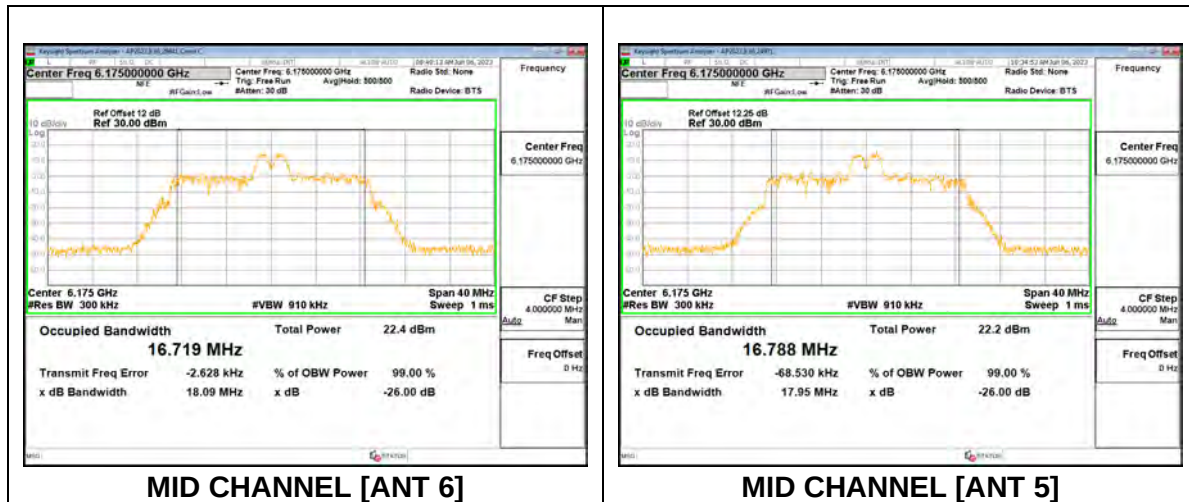
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	19.73	19.59	18.273	18.085
Mid	6175	19.83	19.62	18.151	18.153
High	6415	19.57	19.57	17.950	18.037



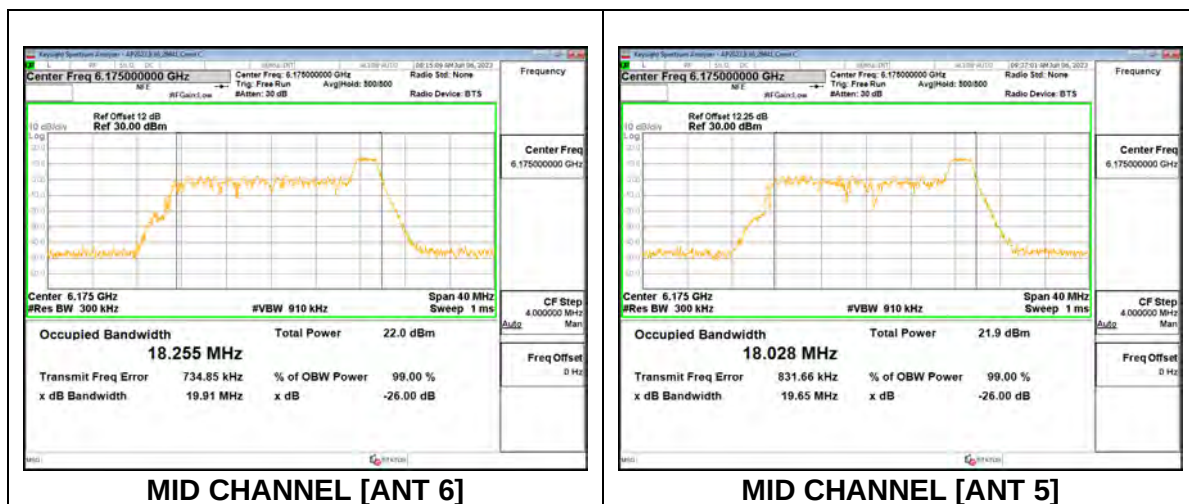
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	17.57	16.91	16.229	15.651
Mid	6175	18.09	17.95	16.719	16.788
High	6415	18.55	17.98	16.812	16.196



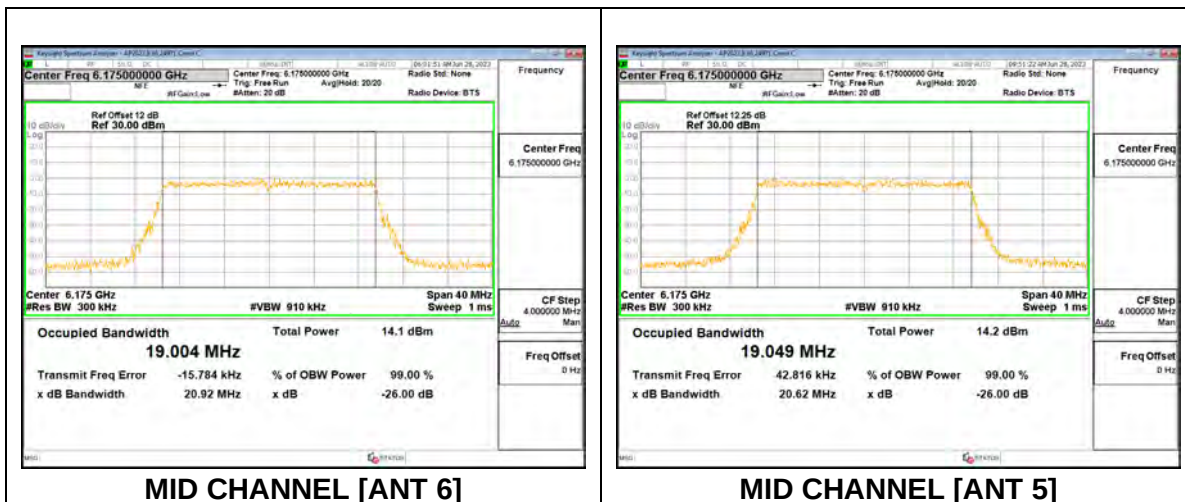
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	19.30	19.33	17.921	18.126
Mid	6175	19.91	19.65	18.255	18.028
High	6415	19.85	19.53	18.473	18.079



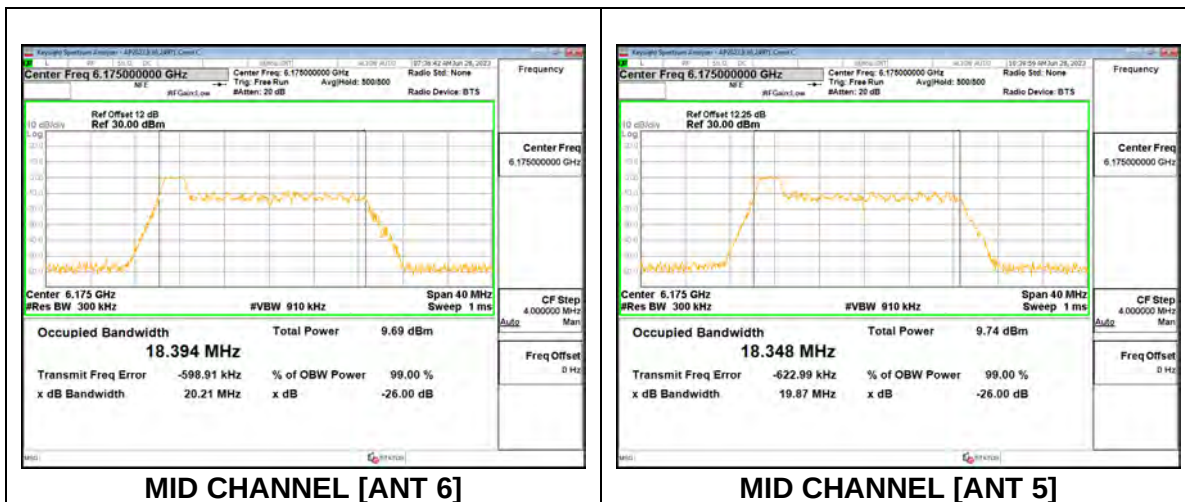
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	21.01	21.23	19.042	18.996
Mid	6175	20.92	20.62	19.004	19.049
High	6415	21.14	20.94	18.996	19.001



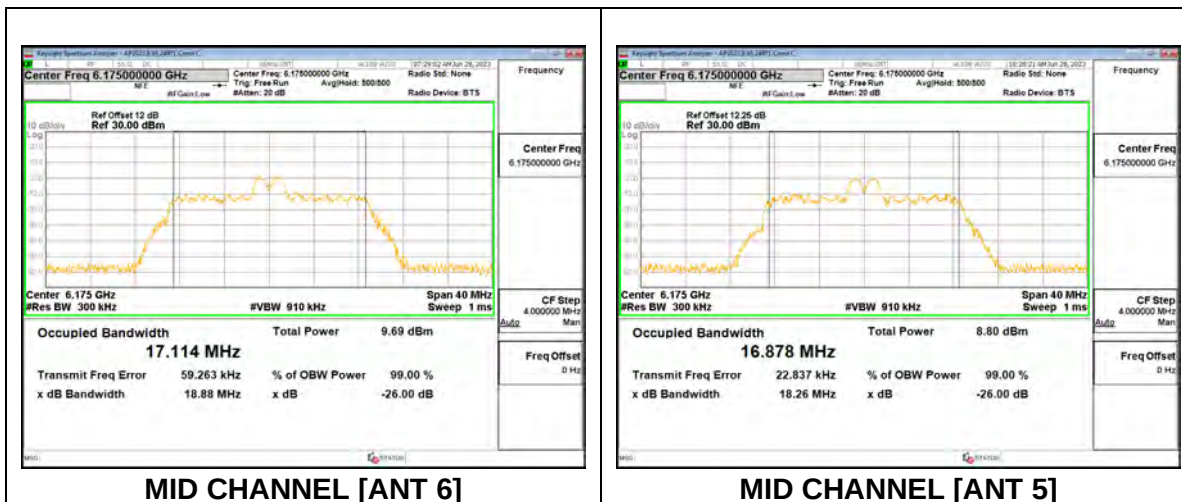
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	20.20	19.77	18.441	18.346
Mid	6175	20.21	19.87	18.394	18.348
High	6415	19.97	19.72	18.433	18.275



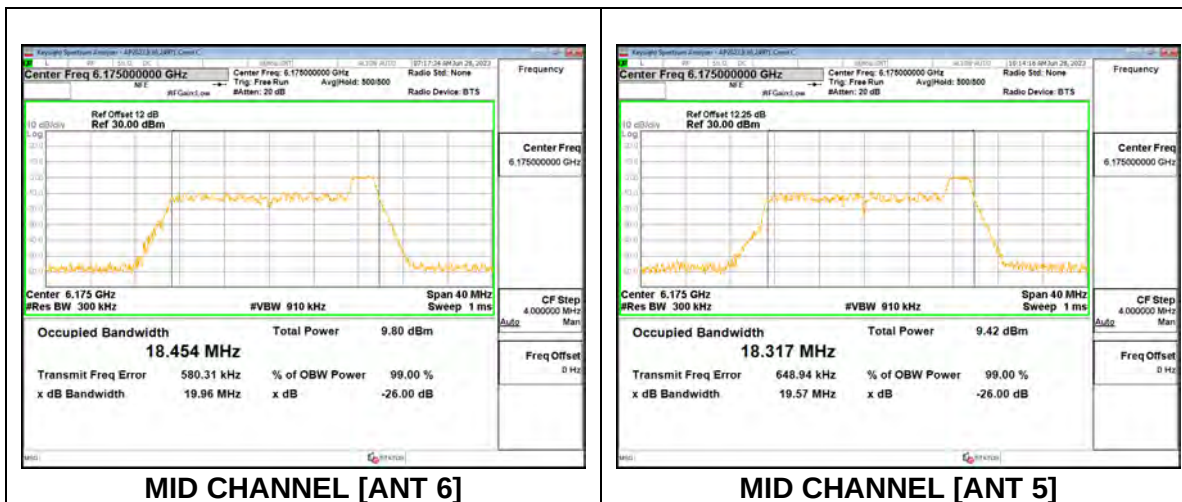
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	18.98	18.09	17.217	16.926
Mid	6175	18.88	18.26	17.114	16.878
High	6415	18.86	18.29	17.282	16.988



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

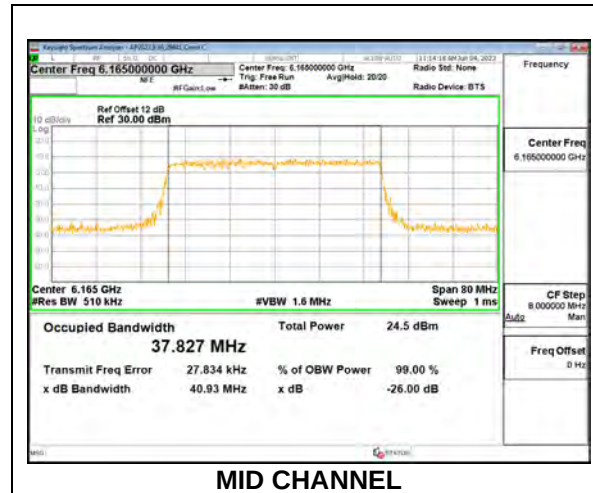
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5955	19.97	19.57	18.419	18.302
Mid	6175	19.96	19.57	18.454	18.317
High	6415	20.03	19.60	18.451	18.305



9.2.2. 802.11ax HE40 MODE IN THE UNII-5 BAND

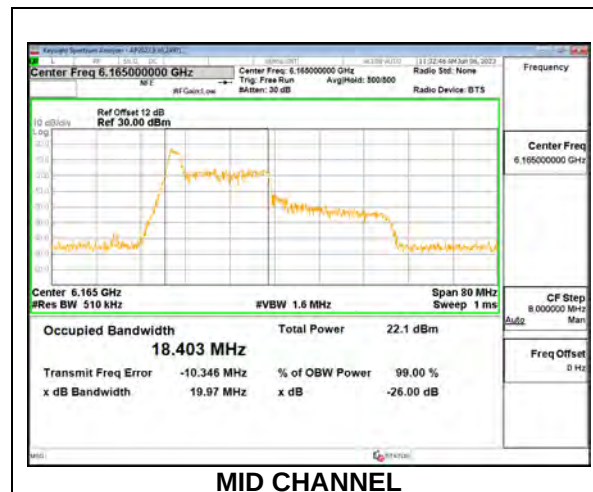
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	40.82	37.907
Mid	6165	40.93	37.827
High	6405	40.76	37.862



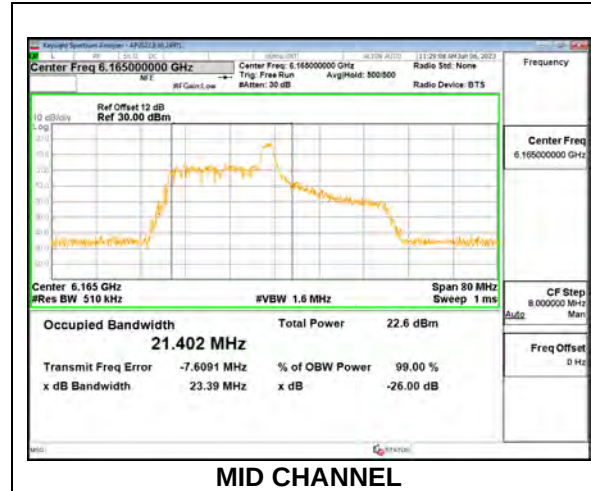
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	19.64	18.302
Mid	6165	19.97	18.403
High	6405	19.71	18.247



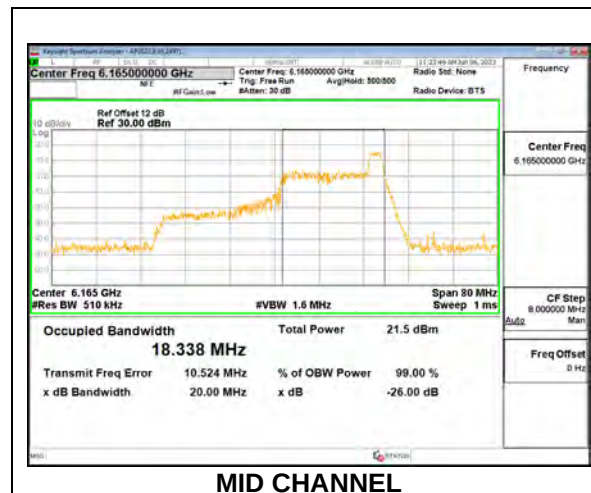
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	23.68	21.181
Mid	6165	23.39	21.402
High	6405	23.95	21.260



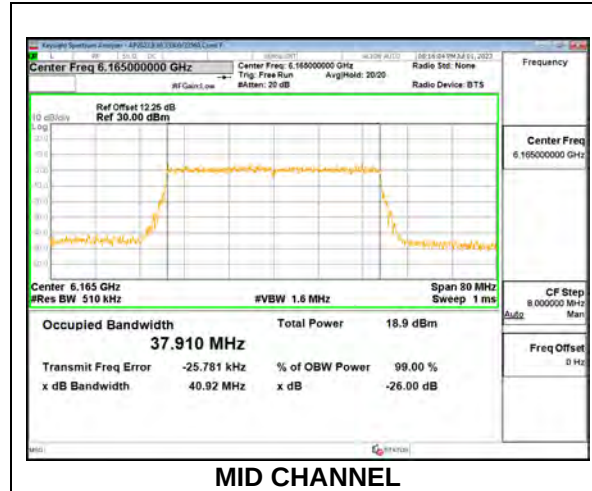
1TX Antenna 6 MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	20.29	19.342
Mid	6165	20.00	18.338
High	6405	20.40	18.551



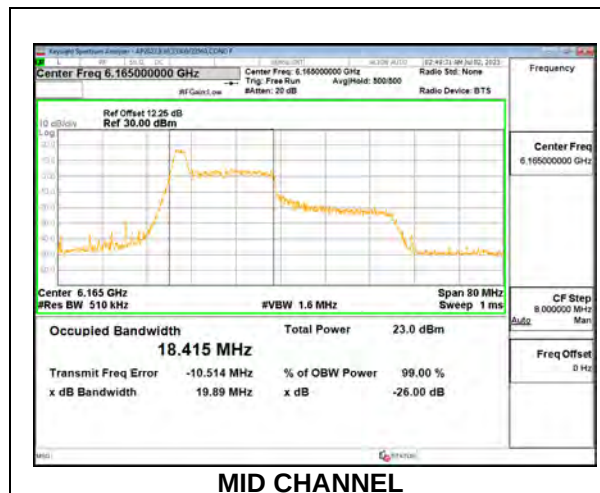
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	40.35	37.890
Mid	6165	40.92	37.910
High	6405	41.25	37.946



1TX Antenna 5 MODE: 26-Tone, RU Index 0

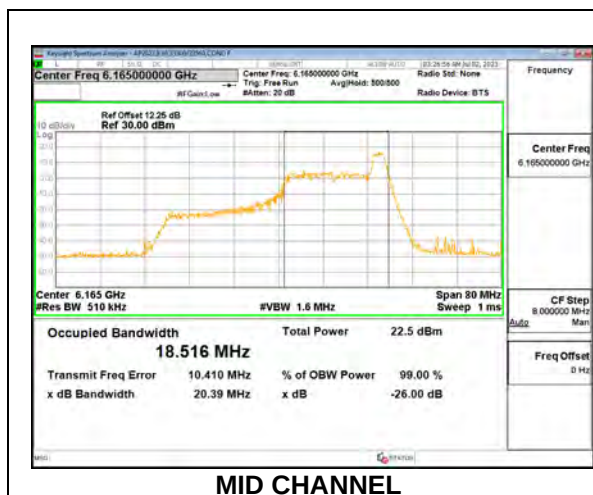
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	19.99	18.349
Mid	6165	19.89	18.415
High	6405	19.97	18.495



Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	23.85	21.419
Mid	6165	24.18	21.535
High	6405	23.73	21.387

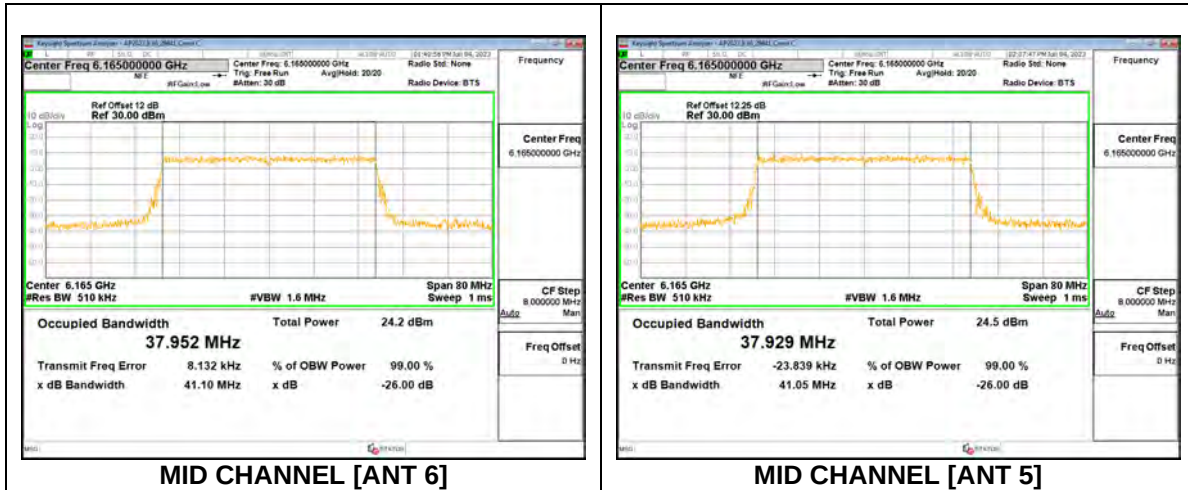


Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5965	20.49	18.655
Mid	6165	20.39	18.516
High	6405	20.38	19.531



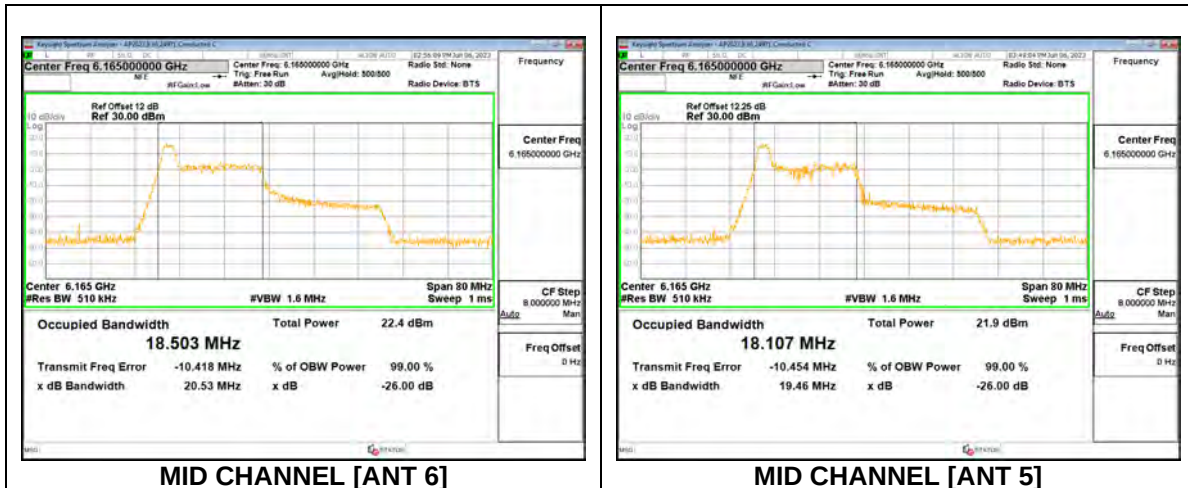
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	40.42	40.59	37.877	37.862
Mid	6165	41.10	41.05	37.952	37.929
High	6405	41.48	40.85	38.005	37.900



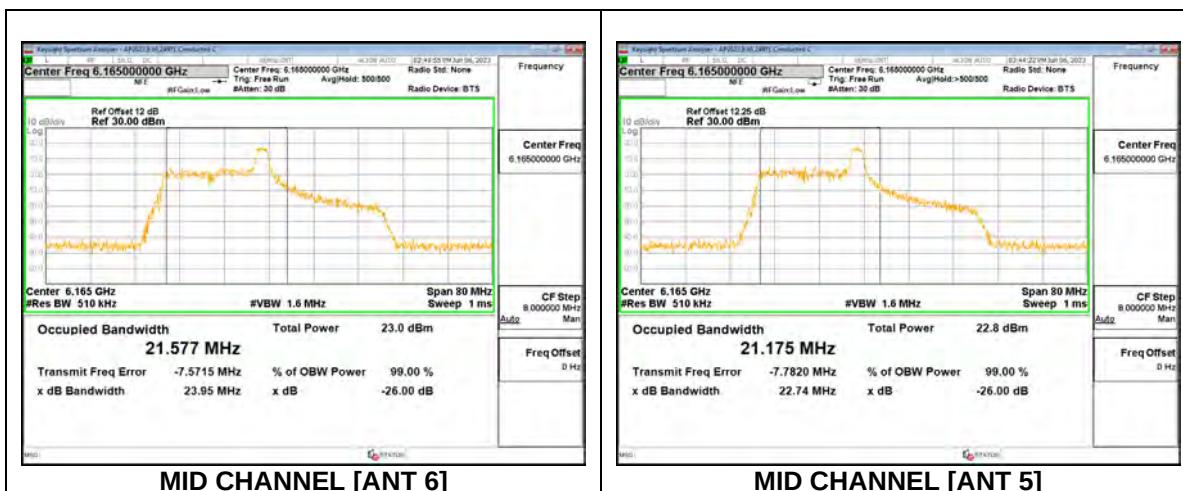
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	20.00	19.73	19.294	18.204
Mid	6165	20.53	19.46	18.503	18.107
High	6405	19.55	19.86	18.225	18.123



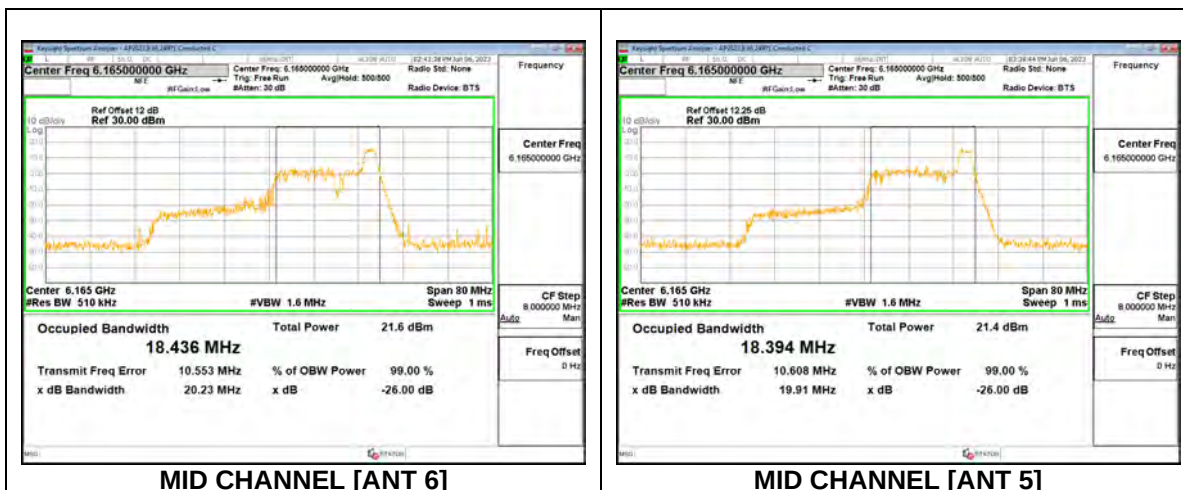
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	22.96	23.02	20.943	21.010
Mid	6165	23.95	22.74	21.577	21.175
High	6405	24.58	22.75	21.346	21.017



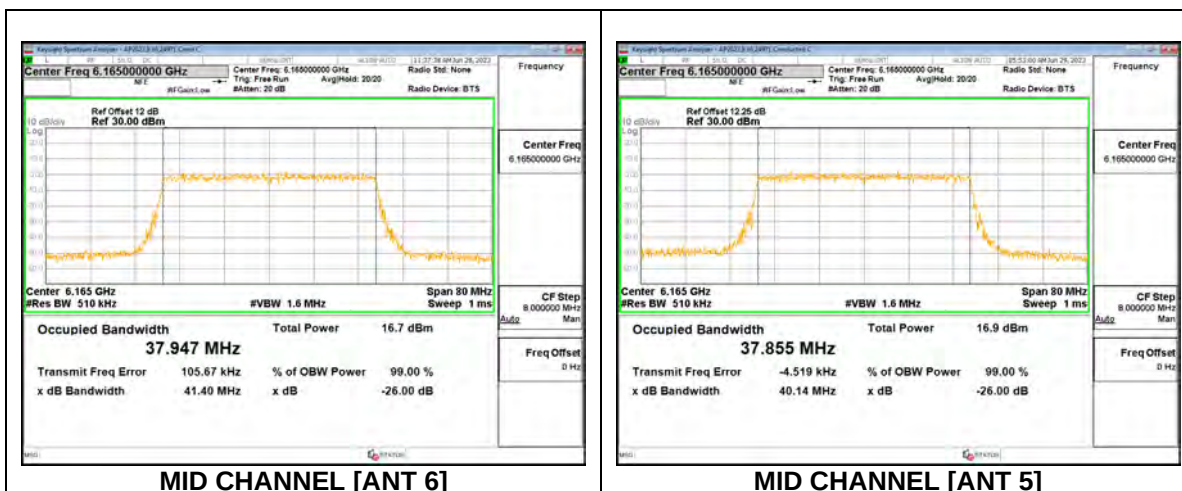
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	20.11	19.93	18.481	18.337
Mid	6165	20.23	19.91	18.436	18.394
High	6405	20.02	19.64	18.364	18.151



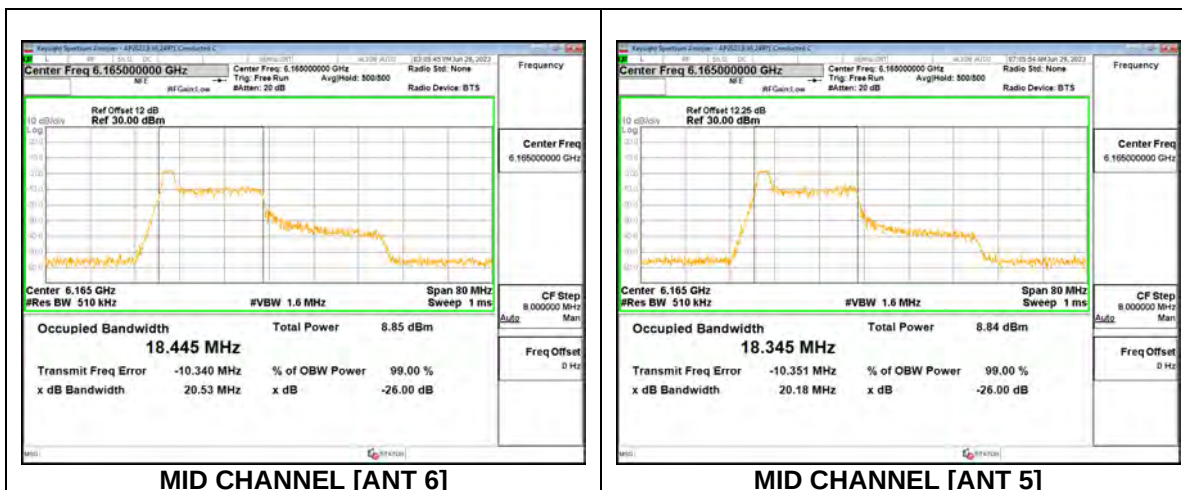
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	40.66	40.50	37.983	37.889
Mid	6165	41.40	40.14	37.947	37.855
High	6405	40.73	41.59	37.896	37.944



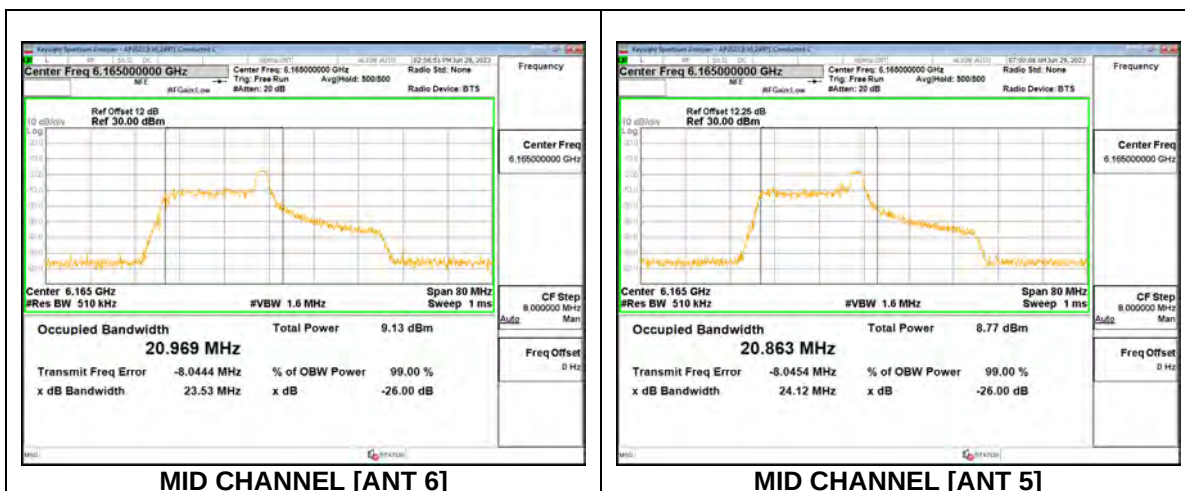
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	20.15	19.84	18.402	19.370
Mid	6165	20.53	20.18	18.445	18.345
High	6405	20.15	20.10	18.450	18.395



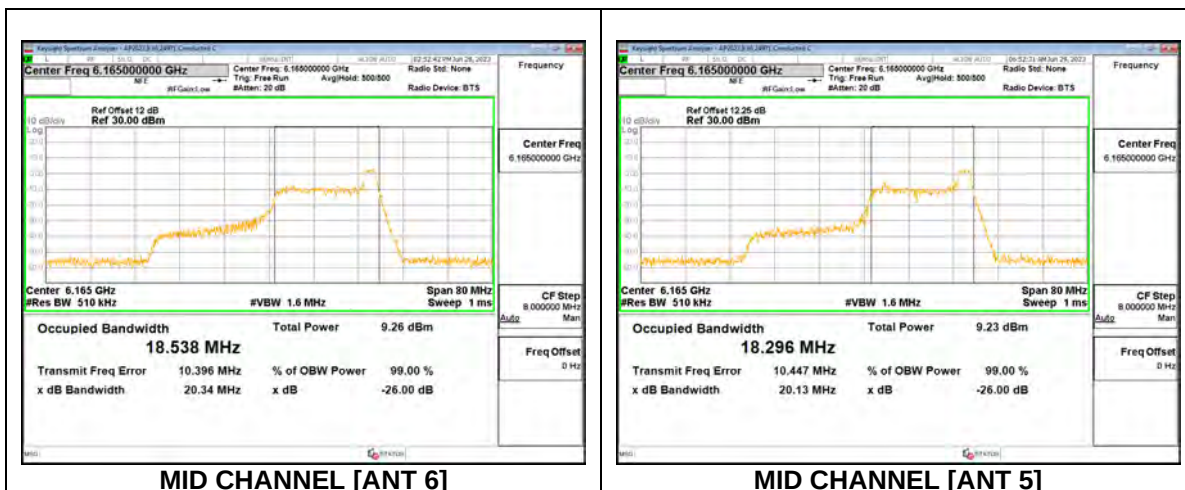
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	23.21	23.25	20.484	21.109
Mid	6165	23.53	24.12	20.969	20.863
High	6405	23.11	23.86	20.679	20.897



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 17

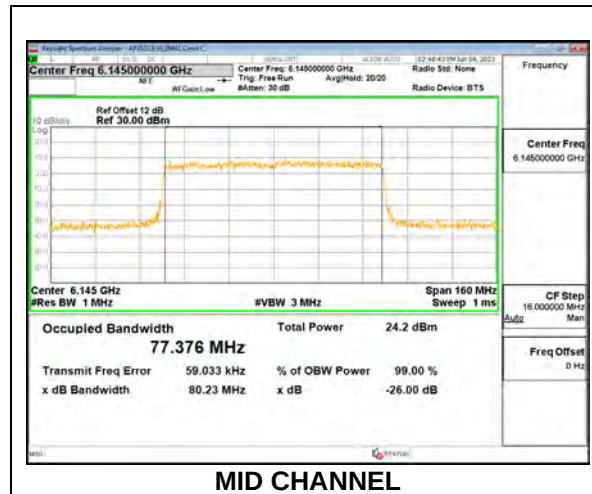
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5965	20.36	19.97	18.544	18.348
Mid	6165	20.34	20.13	18.538	18.296
High	6405	20.31	20.50	18.552	18.389



9.2.3. 802.11ax HE80 MODE IN THE UNII-5 BAND

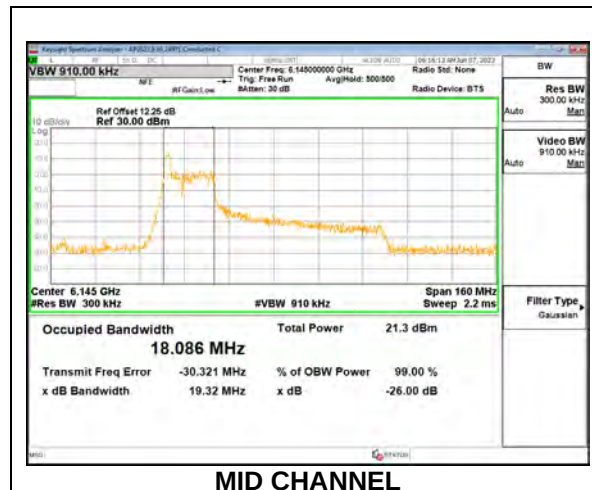
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	80.68	77.319
Mid	6145	80.23	77.376
High	6385	80.42	77.495



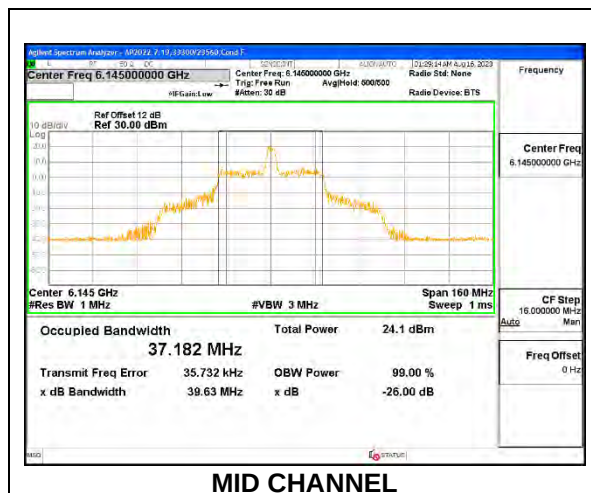
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	19.38	18.005
Mid	6145	19.32	18.086
High	6385	19.45	18.031



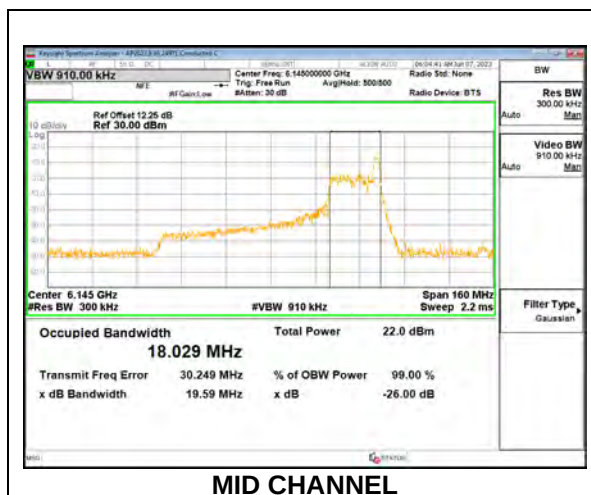
1TX Antenna 6 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	39.87	37.079
Mid	6145	39.63	37.182
High	6385	38.84	36.745



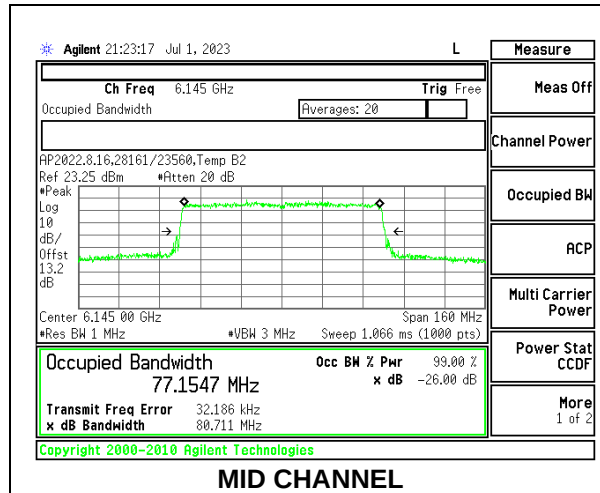
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	19.18	17.713
Mid	6145	19.59	18.029
High	6385	19.58	18.135



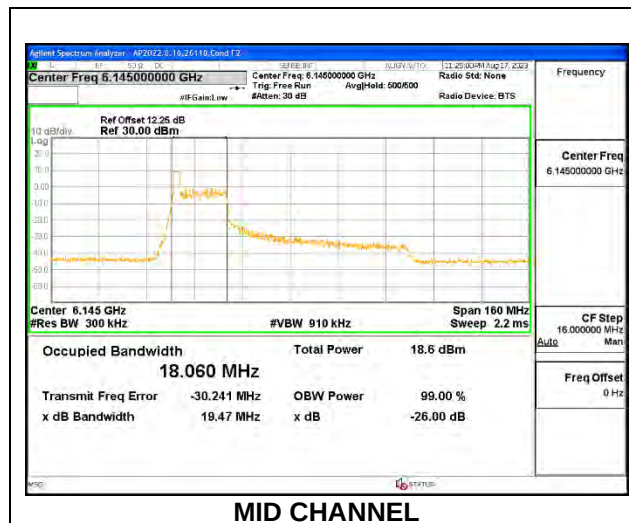
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	81.48	77.114
Mid	6145	80.71	77.155
High	6385	80.87	77.157



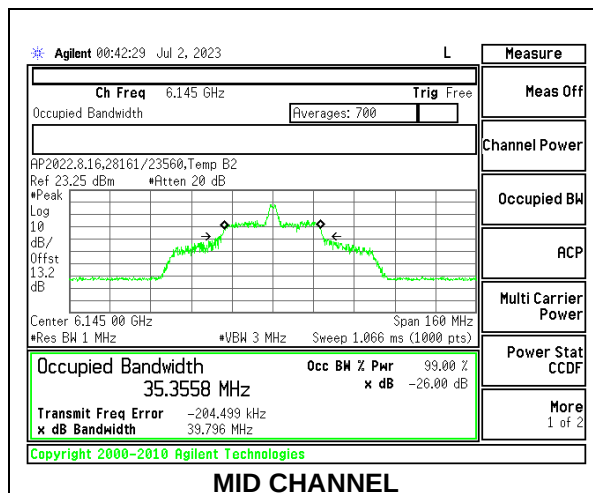
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	19.34	17.963
Mid	6145	19.47	18.060
High	6385	19.50	18.053



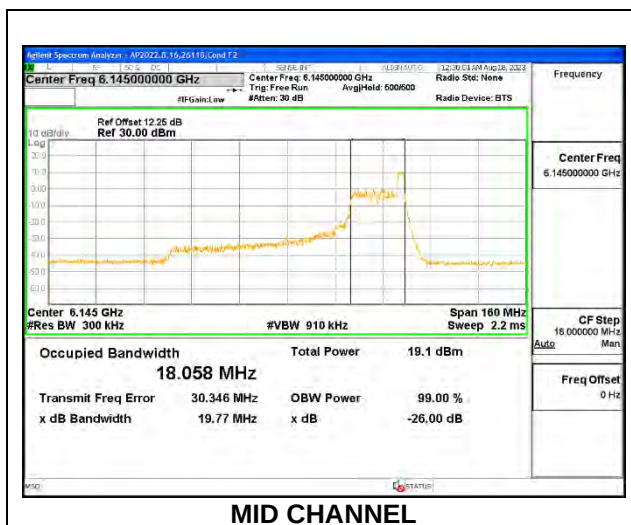
1TX Antenna 5 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	38.97	35.515
Mid	6145	39.80	35.356
High	6385	37.16	33.817



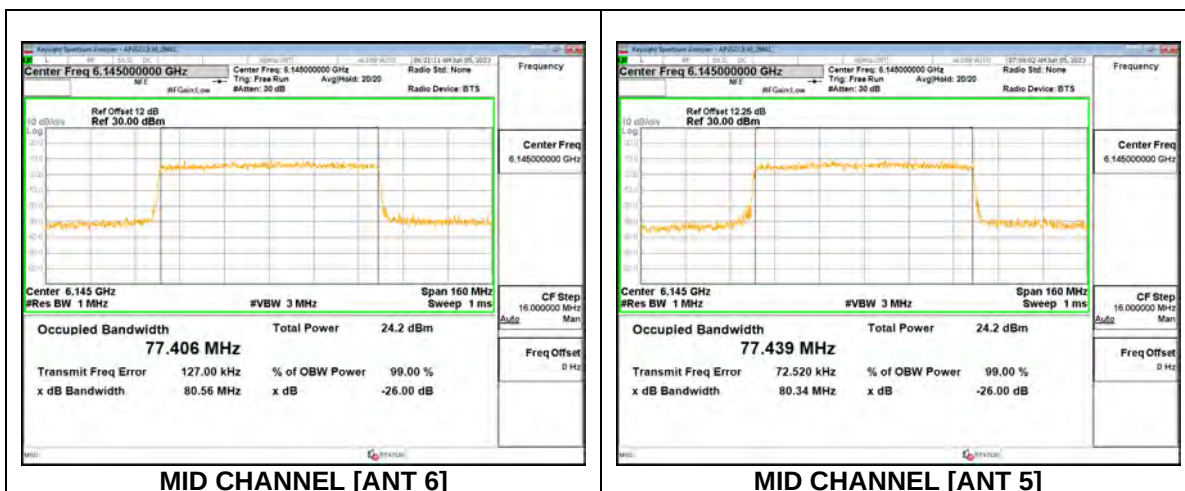
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5985	19.85	18.150
Mid	6145	19.77	18.058
High	6385	19.64	18.189



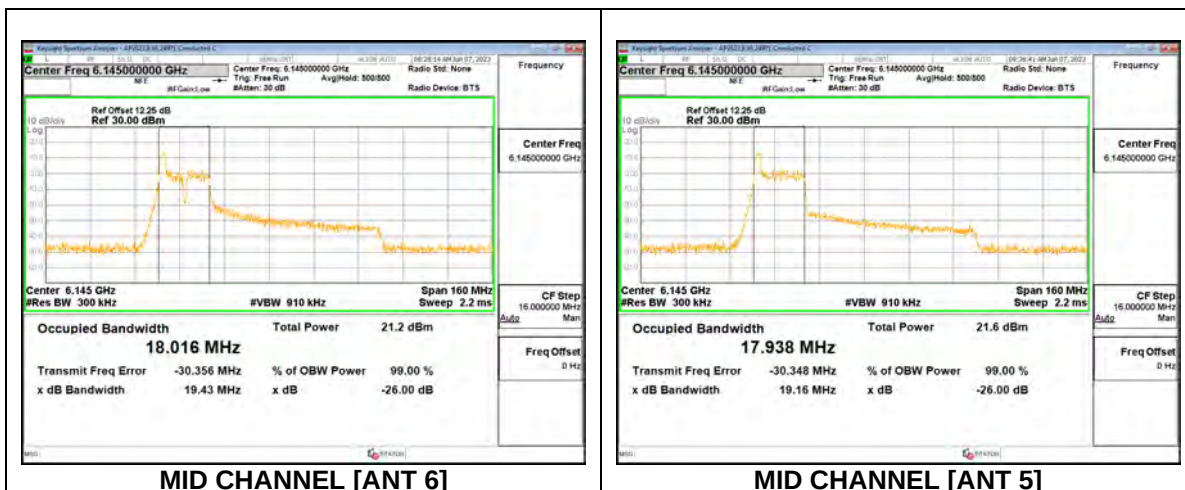
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	80.56	81.17	77.508	77.361
Mid	6145	80.56	80.34	77.406	77.439
High	6385	80.73	80.33	77.367	77.279



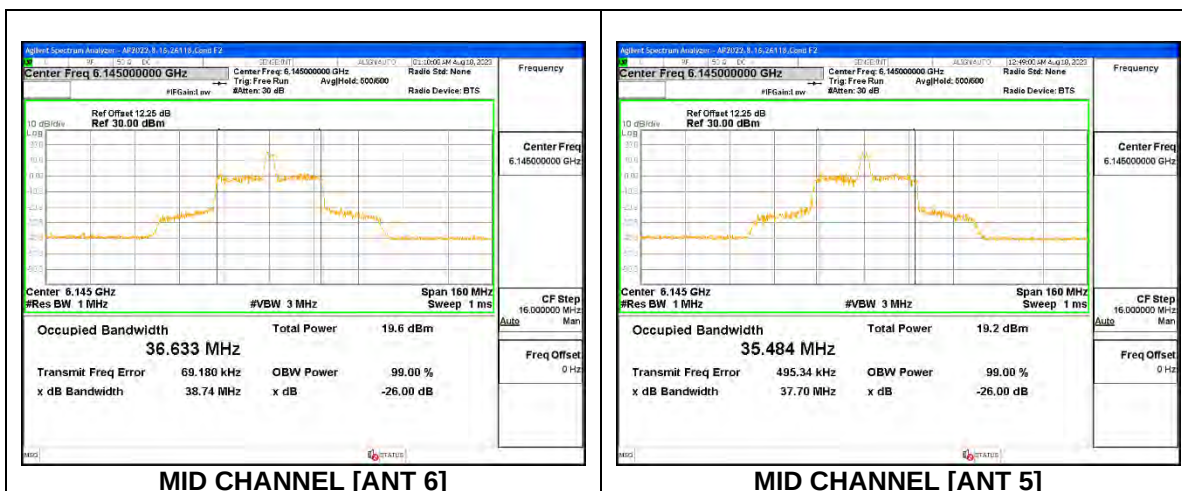
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	18.87	19.05	17.841	17.870
Mid	6145	19.43	19.16	18.016	17.938
High	6385	19.27	19.45	17.976	17.890



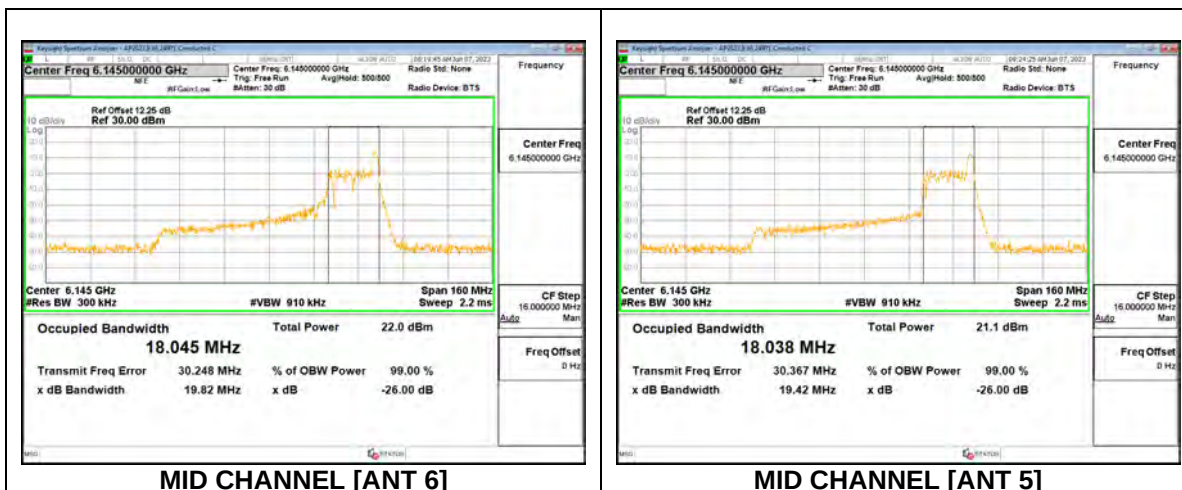
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	38.69	38.41	36.482	36.043
Mid	6145	38.74	37.70	36.633	35.484
High	6385	38.72	38.45	35.926	36.222



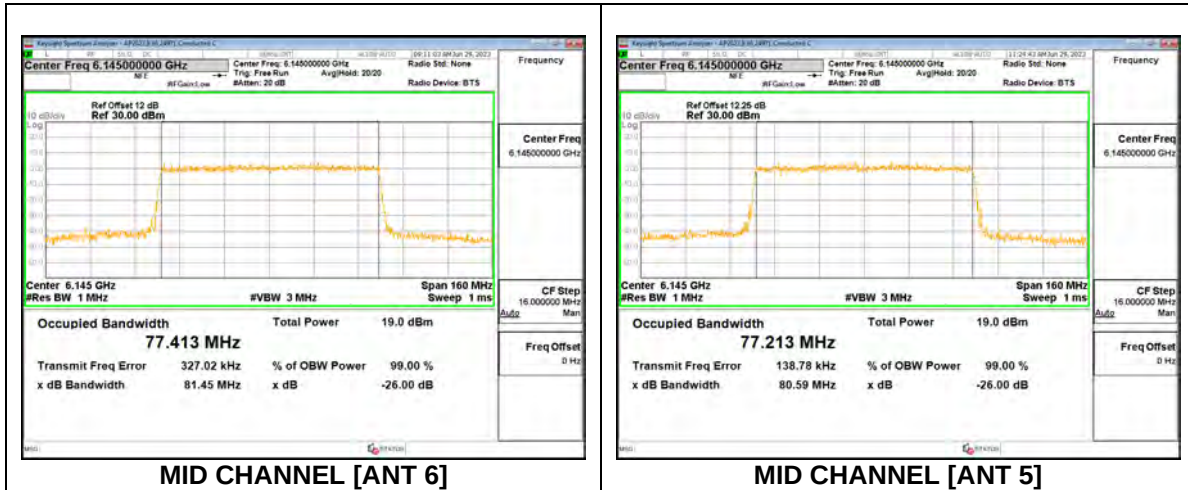
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	20.23	19.15	18.070	17.933
Mid	6145	19.82	19.42	18.045	18.038
High	6385	19.21	19.17	18.132	17.925



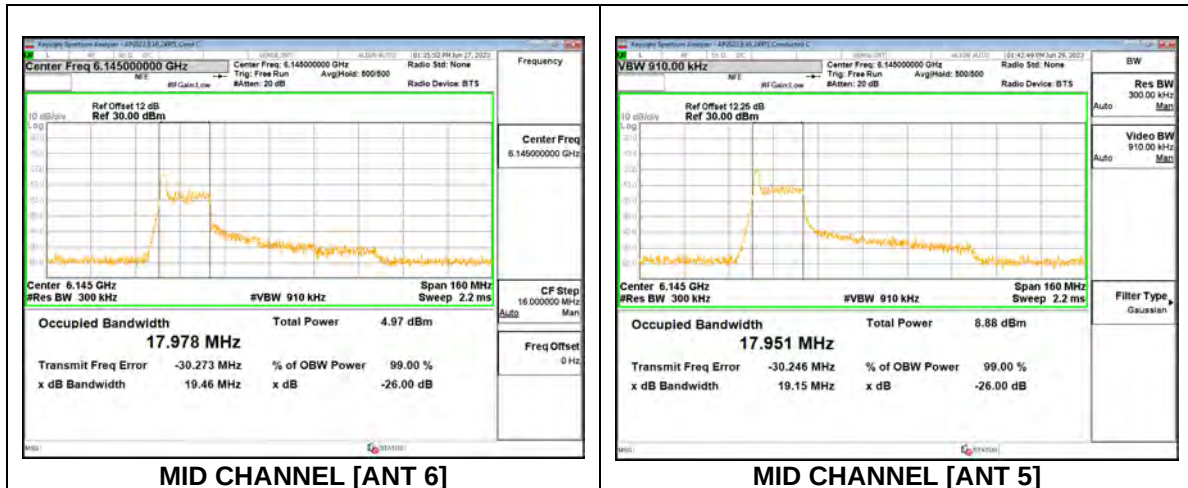
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	80.55	80.73	77.251	77.349
Mid	6145	81.45	80.59	77.413	77.213
High	6385	81.09	80.65	77.362	77.345



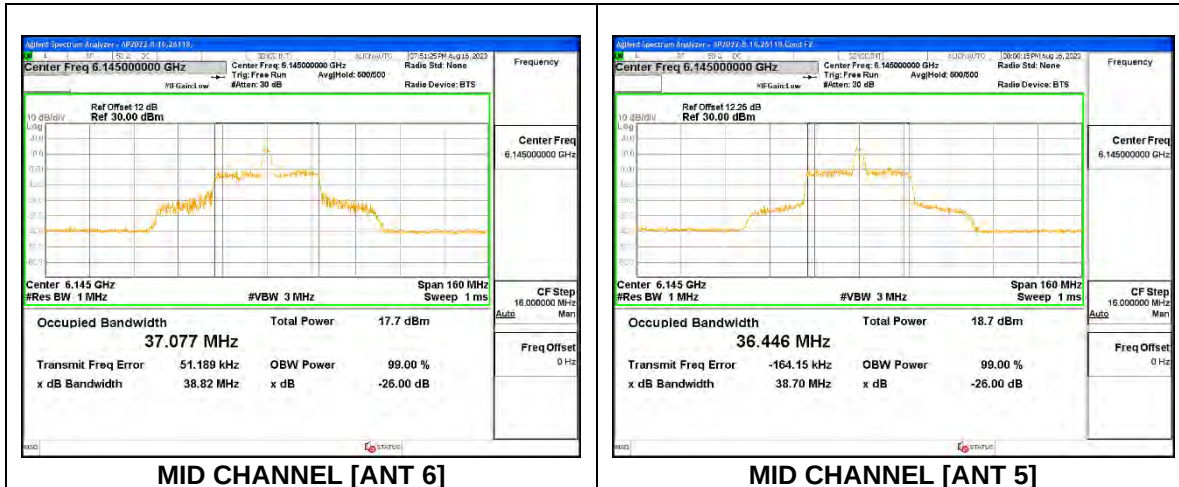
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	19.83	19.48	18.370	17.994
Mid	6145	19.46	19.15	17.978	17.951
High	6385	19.70	19.41	18.327	17.974



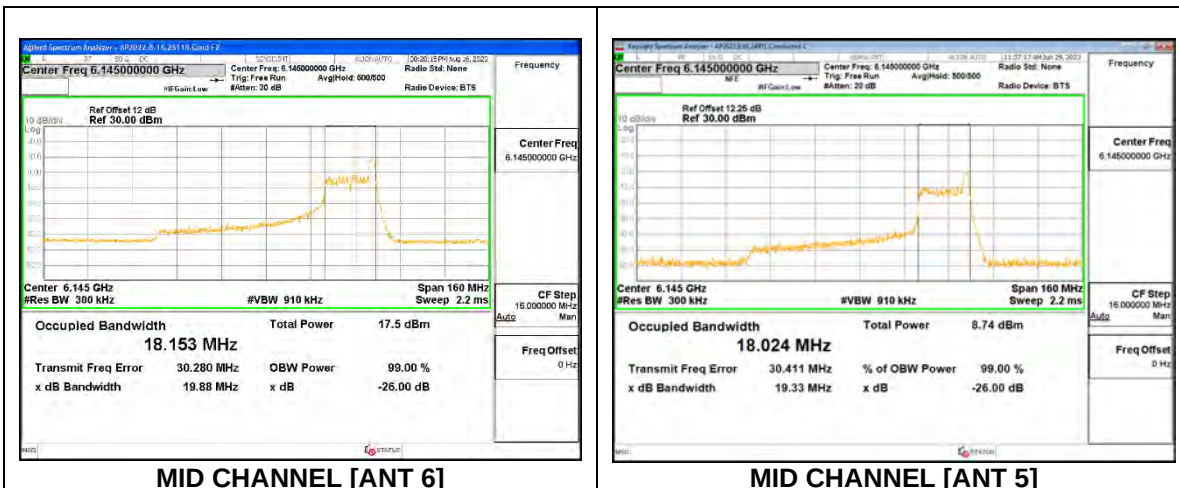
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	39.55	38.50	37.047	36.169
Mid	6145	38.82	38.70	37.077	36.446
High	6385	39.35	38.55	36.834	36.168



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

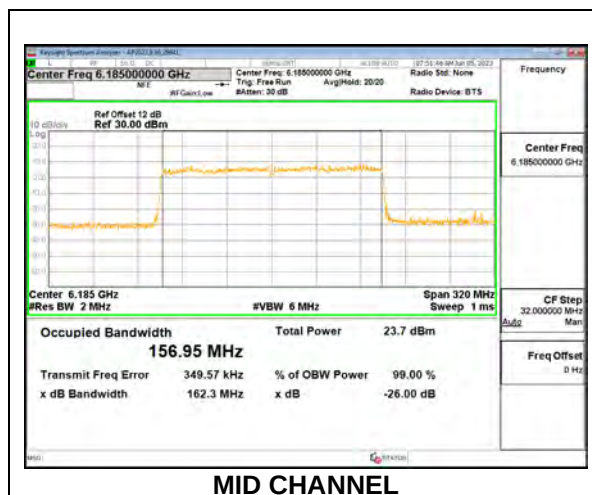
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5985	19.69	19.31	18.097	17.898
Mid	6145	19.88	19.33	18.153	18.024
High	6385	19.83	19.50	18.078	18.012



9.2.4. 802.11ax HE160 MODE IN THE UNII-5 BAND

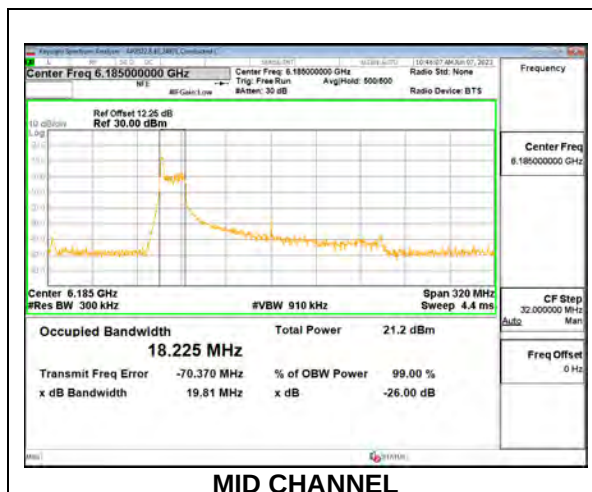
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	163.30	156.930
Mid	6185	162.30	156.950
High	6345	163.40	156.500



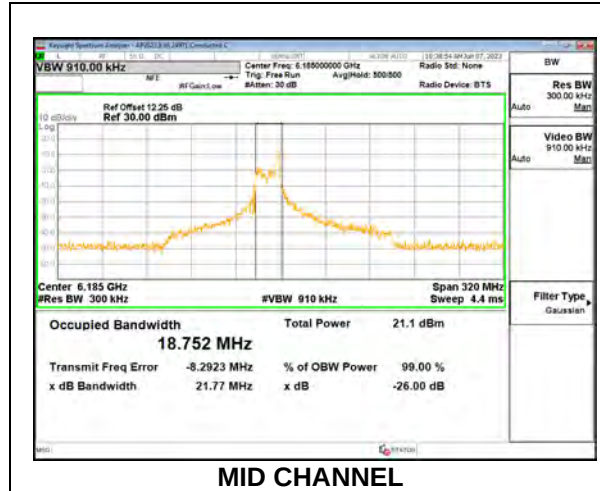
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	20.01	18.087
Mid	6185	19.81	18.225
High	6345	19.95	18.335



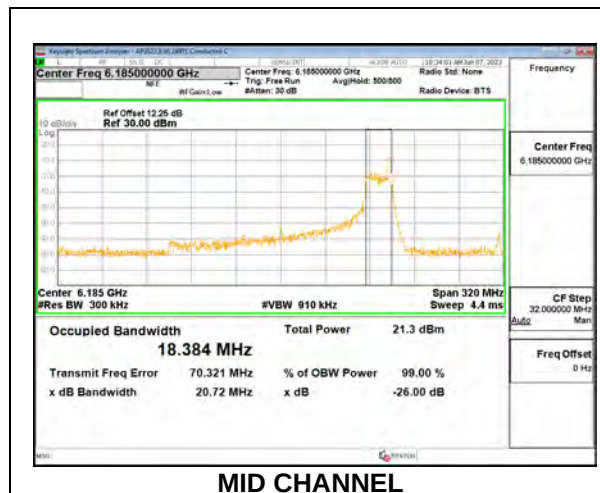
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	21.18	19.482
Mid	6185	21.77	18.752
High	6345	21.82	19.754



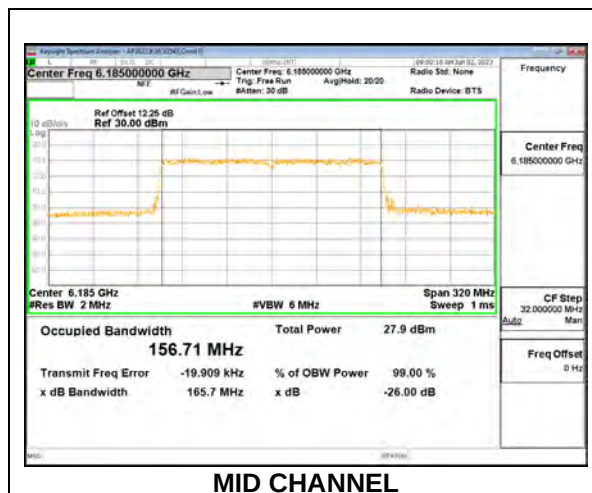
1TX Antenna 6 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	20.16	18.311
Mid	6185	20.72	18.384
High	6345	20.61	18.471



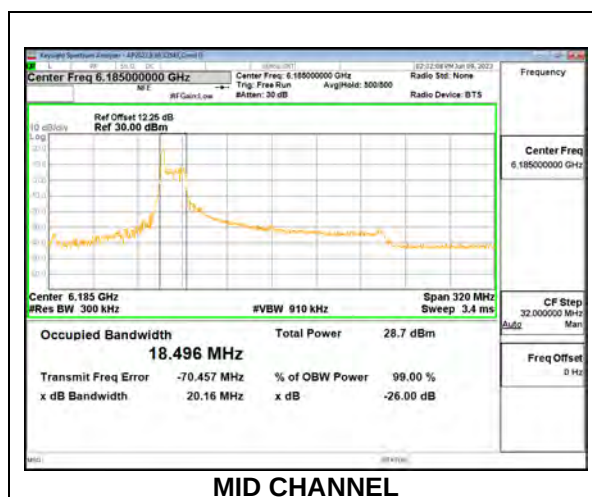
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	164.00	156.840
Mid	6185	165.70	156.710
High	6345	166.20	156.780



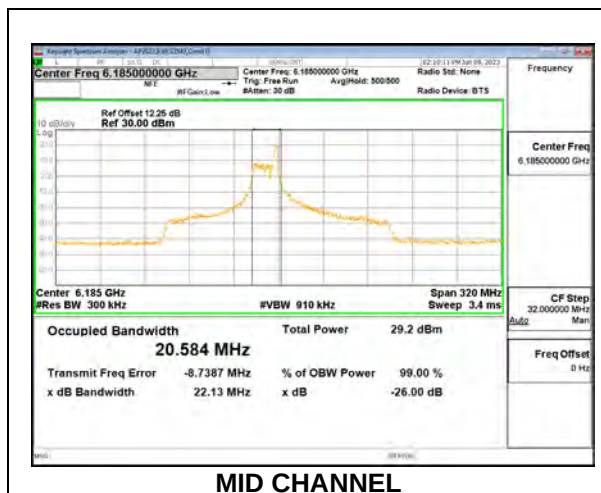
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	20.14	18.357
Mid	6185	20.16	18.496
High	6345	20.03	18.242



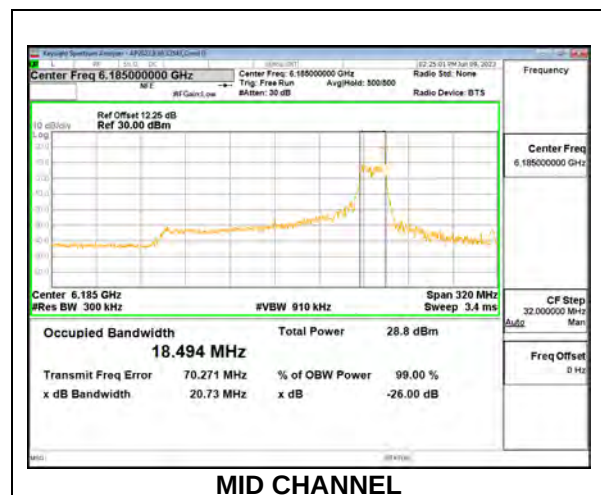
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	22.70	20.843
Mid	6185	22.13	20.584
High	6345	22.55	19.903



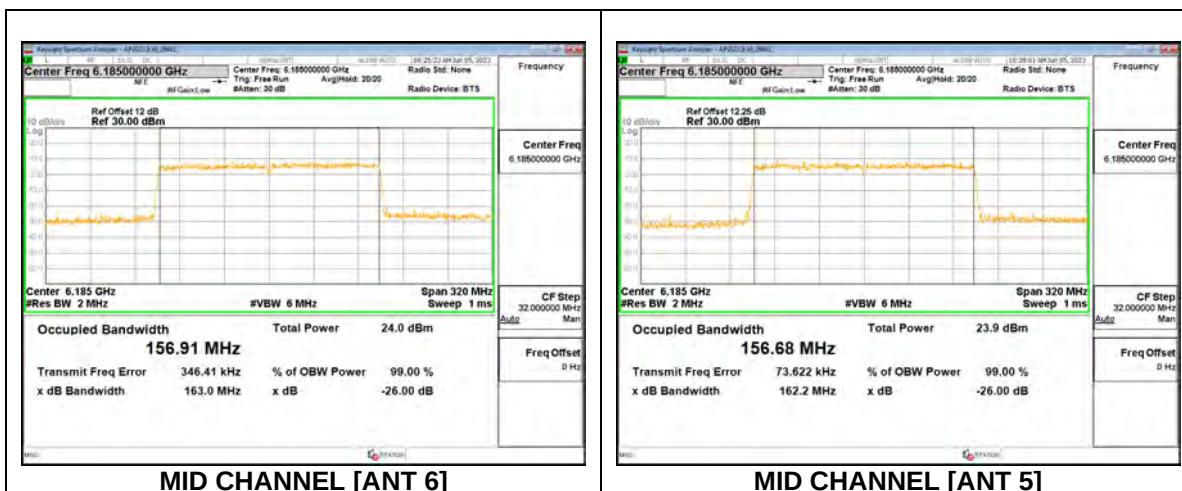
1TX Antenna 5 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6025	20.50	18.571
Mid	6185	20.73	18.494
High	6345	20.74	18.623



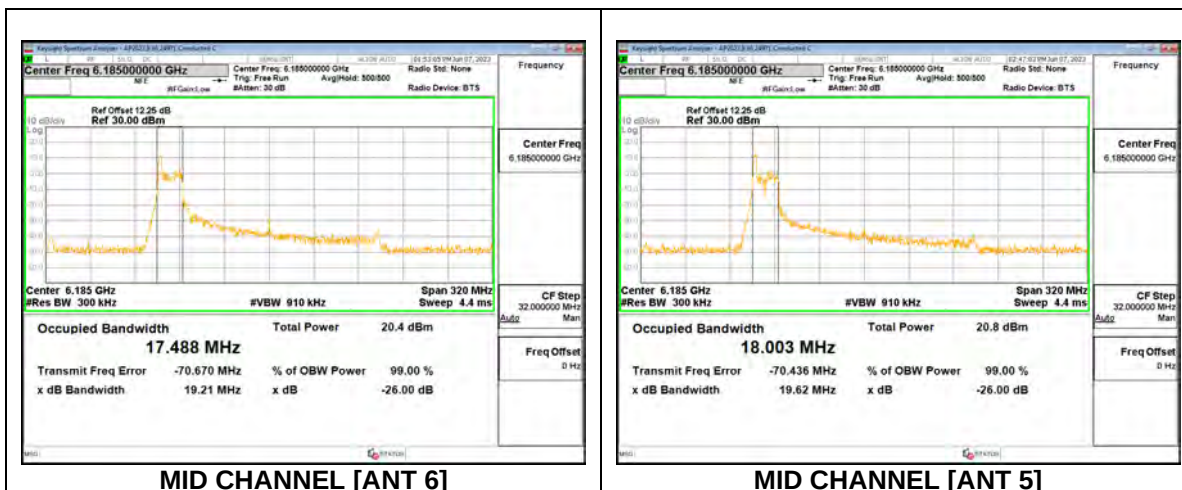
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	164.50	163.20	156.960	156.890
Mid	6185	163.00	162.20	156.910	156.680
High	6345	162.50	163.10	156.780	156.690



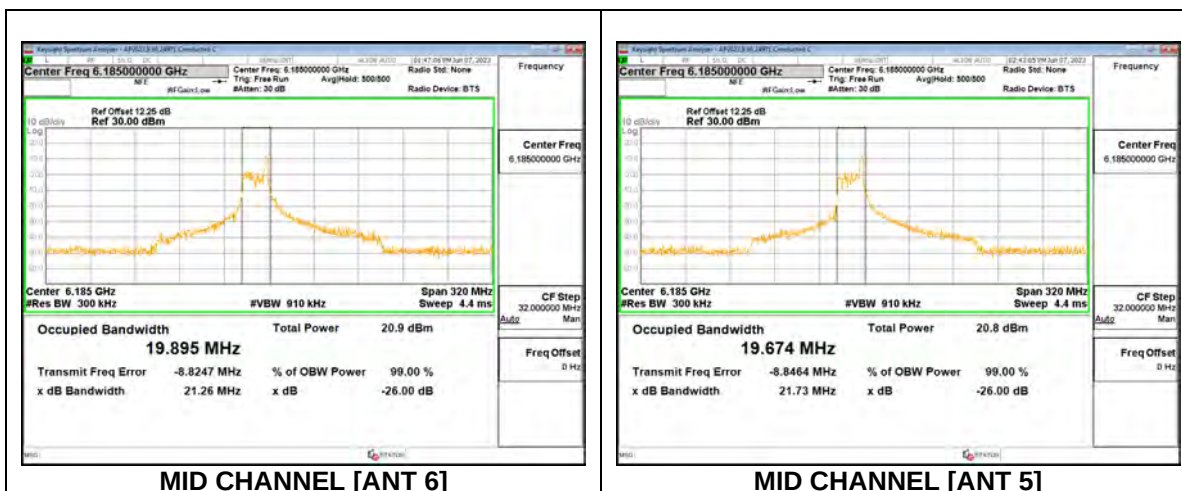
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	19.52	19.43	17.917	17.794
Mid	6185	19.21	19.62	17.488	18.003
High	6345	19.35	20.08	17.577	18.086



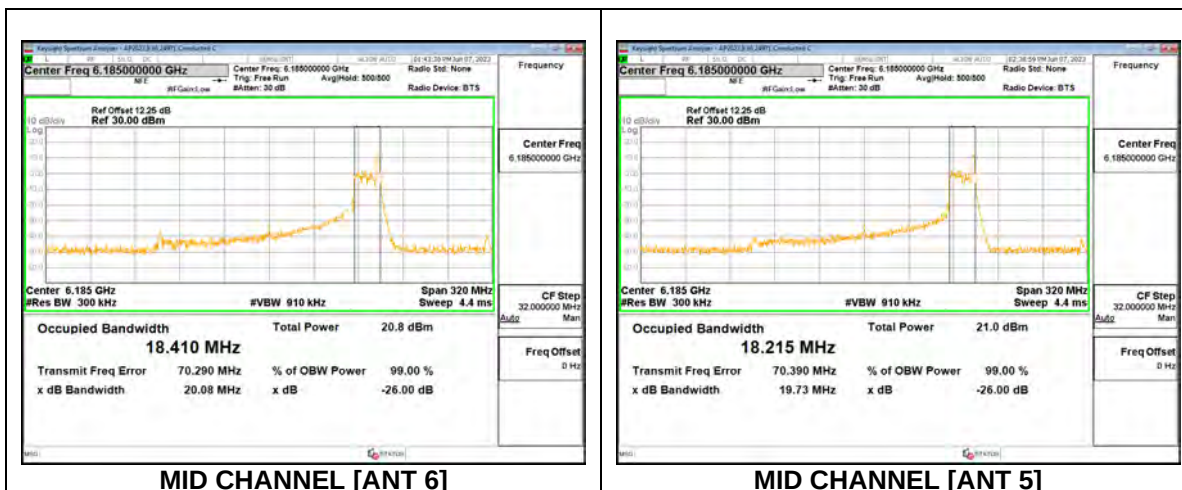
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	22.22	20.72	19.957	19.681
Mid	6185	21.26	21.73	19.895	19.674
High	6345	21.59	21.59	19.768	19.449



2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	20.79	19.61	18.359	17.847
Mid	6185	20.08	19.73	18.410	18.215
High	6345	20.72	19.54	18.471	18.054



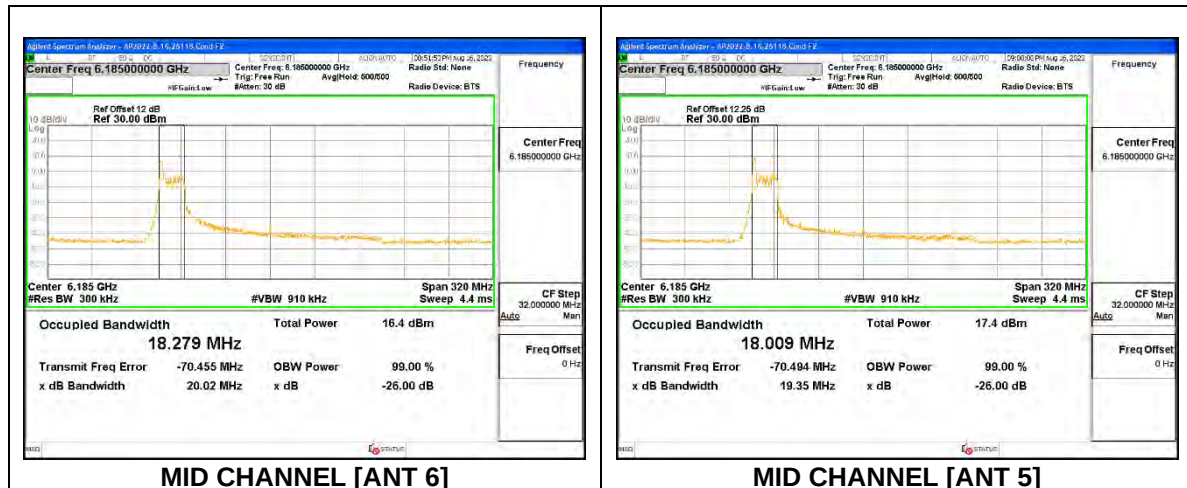
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	162.70	163.30	156.910	157.110
Mid	6185	162.50	162.50	156.830	157.120
High	6345	162.50	163.20	156.540	156.260



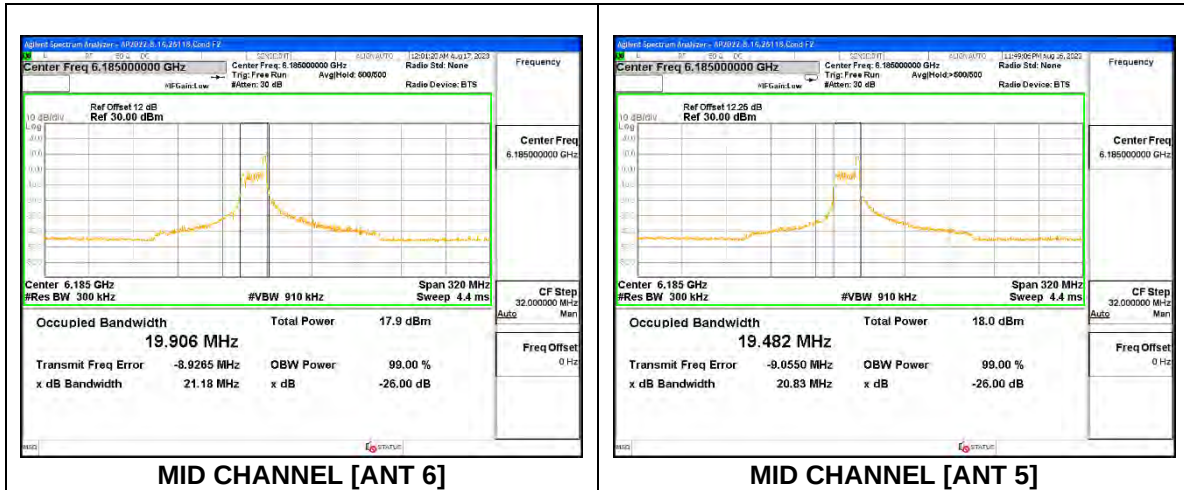
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	19.97	19.65	18.169	18.102
Mid	6185	20.02	19.35	18.279	18.009
High	6345	20.08	19.89	18.167	18.122



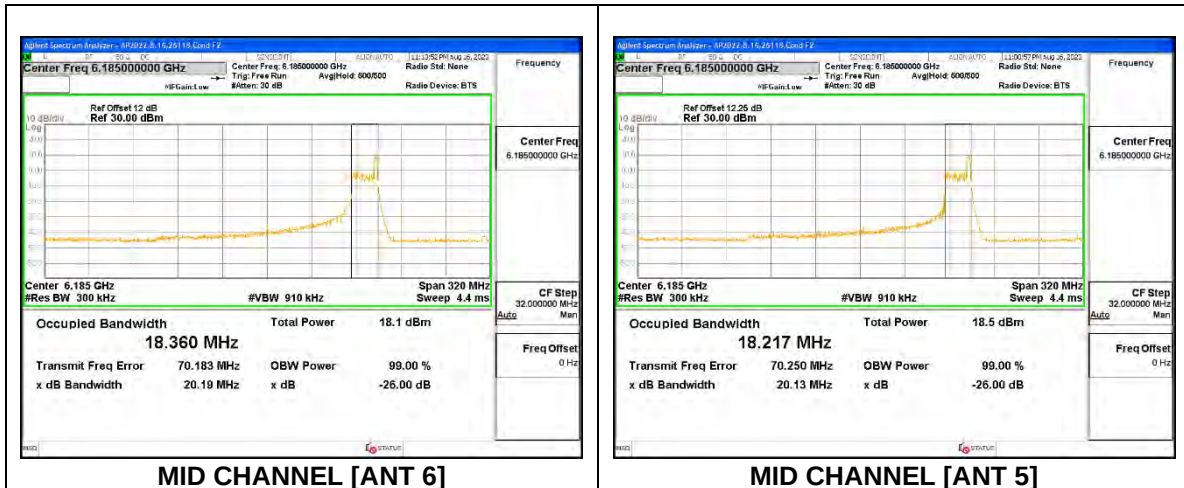
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	22.30	21.78	19.925	19.754
Mid	6185	21.18	20.83	19.906	19.482
High	6345	21.87	21.52	19.864	19.033



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index S36

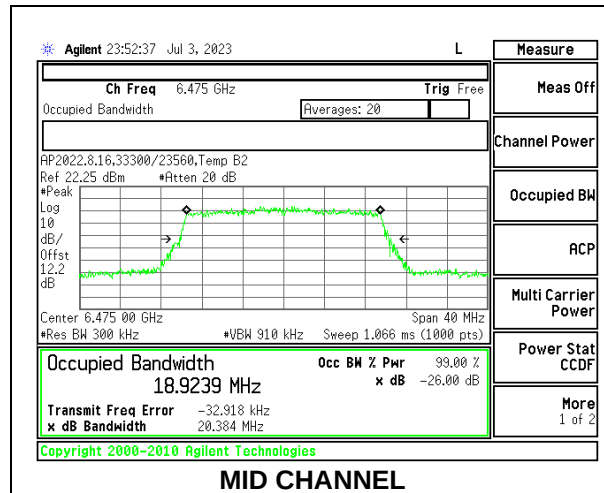
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6025	20.70	19.83	18.641	17.713
Mid	6185	20.19	20.13	18.360	18.217
High	6345	19.96	20.28	18.440	18.382



9.2.5. 802.11ax HE20 MODE IN THE UNII-6 BAND

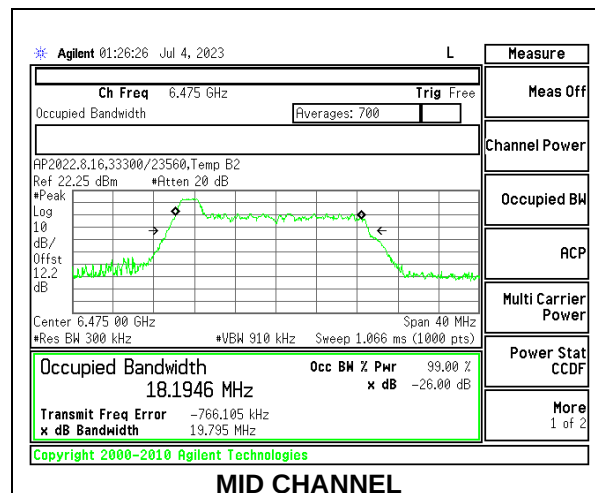
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	20.49	18.855
Mid	6475	20.38	18.924
High	6515	20.23	18.878



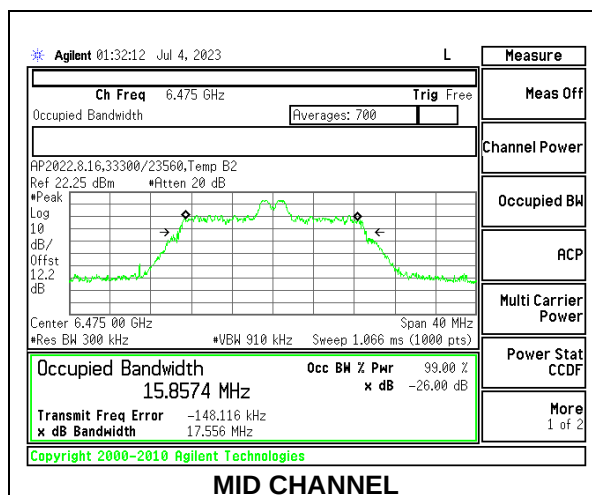
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	19.69	17.562
Mid	6475	19.80	18.195
High	6515	19.38	17.988



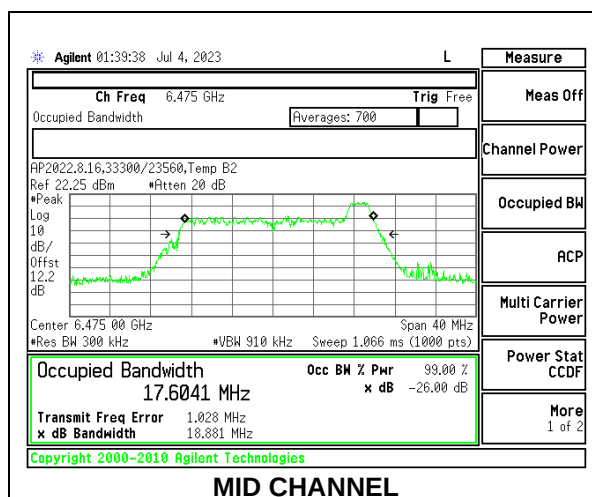
1TX Antenna 6 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	16.95	15.597
Mid	6475	17.56	15.857
High	6515	18.48	16.863



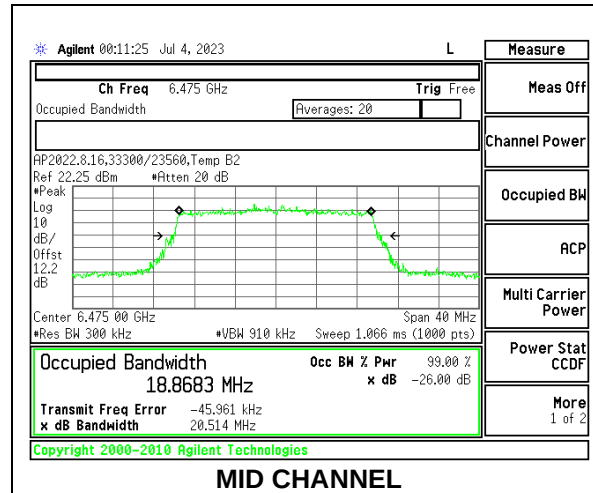
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	19.79	18.367
Mid	6475	18.88	17.604
High	6515	20.11	18.439



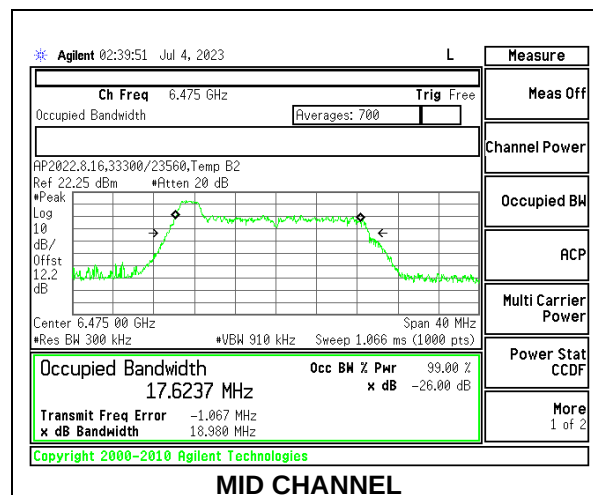
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	20.58	18.871
Mid	6475	20.51	18.868
High	6515	20.58	18.868



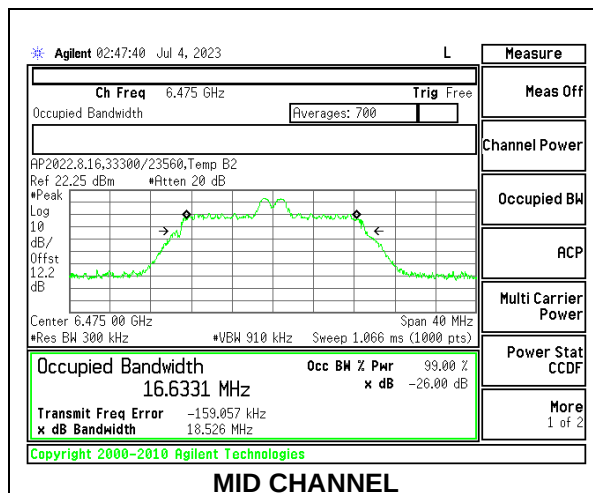
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	19.64	18.295
Mid	6475	18.98	17.624
High	6515	19.76	18.300



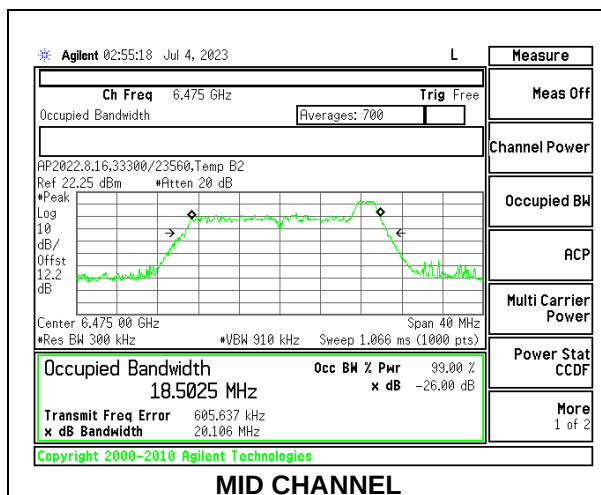
1TX Antenna 5 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	18.38	16.994
Mid	6475	18.53	16.633
High	6515	17.41	16.081



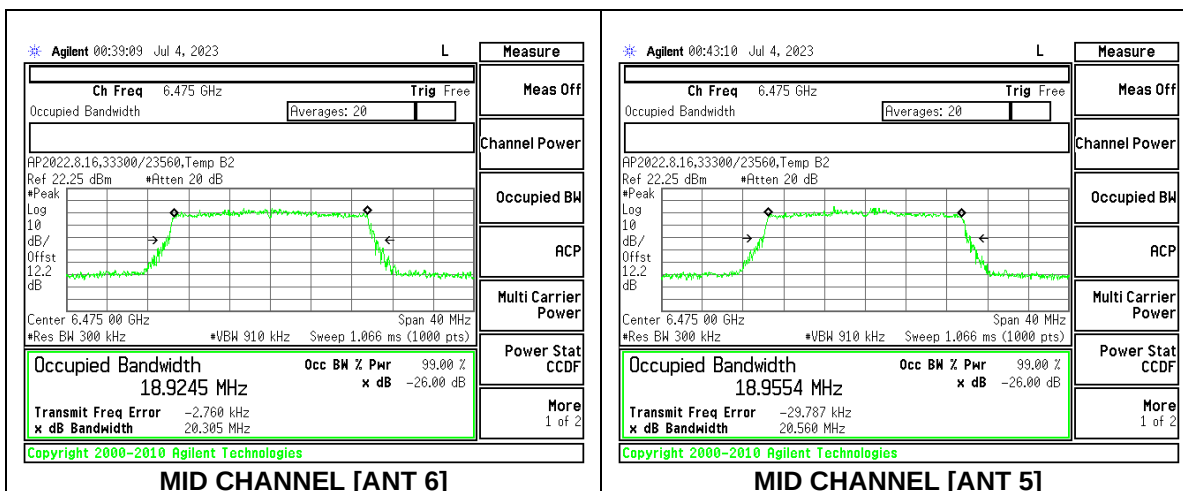
1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6435	19.50	17.981
Mid	6475	20.11	18.503
High	6515	20.10	18.450



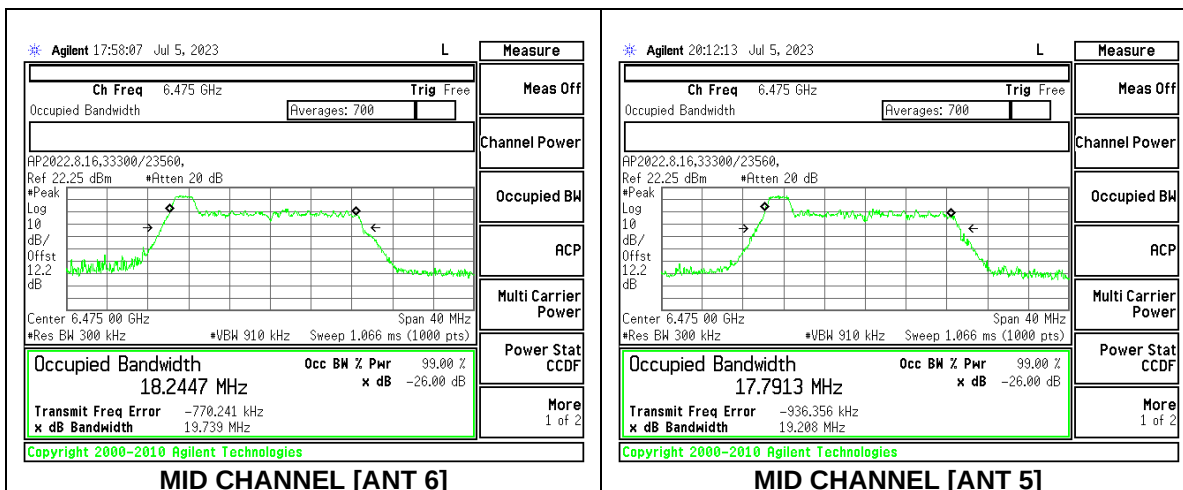
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	20.36	20.55	18.888	18.936
Mid	6475	20.31	20.56	18.925	18.955
High	6515	20.55	20.39	18.899	18.940



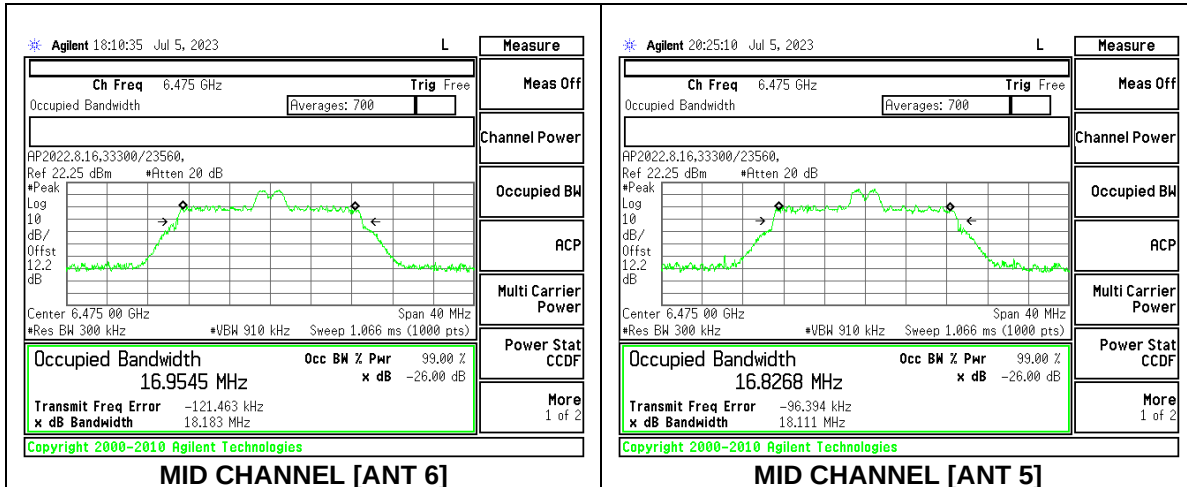
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	19.69	19.79	18.183	18.195
Mid	6475	19.74	19.21	18.245	17.791
High	6515	19.86	19.77	18.314	18.229



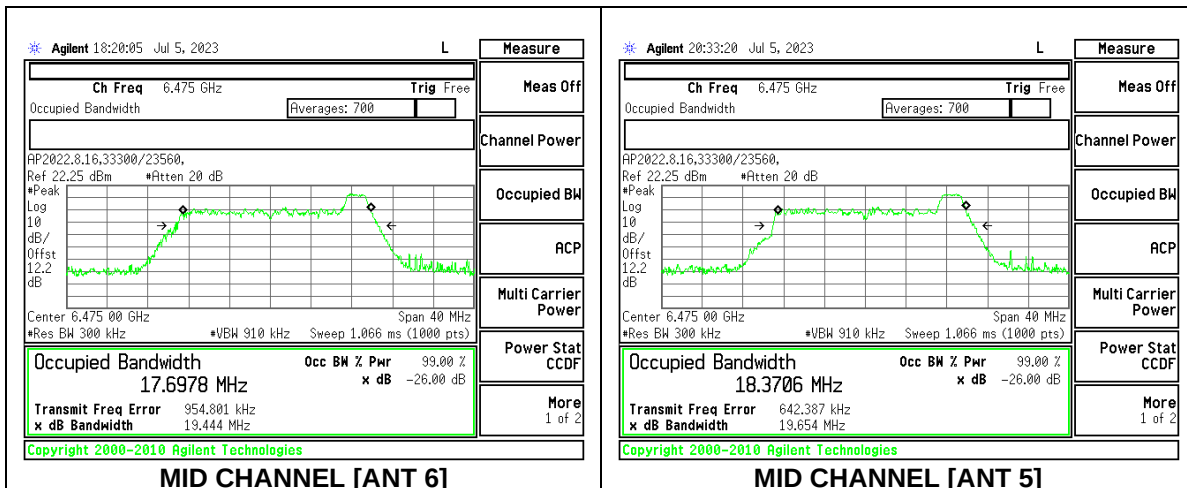
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	18.48	18.17	17.005	16.846
Mid	6475	18.18	18.11	16.955	16.827
High	6515	18.57	17.15	16.922	16.066



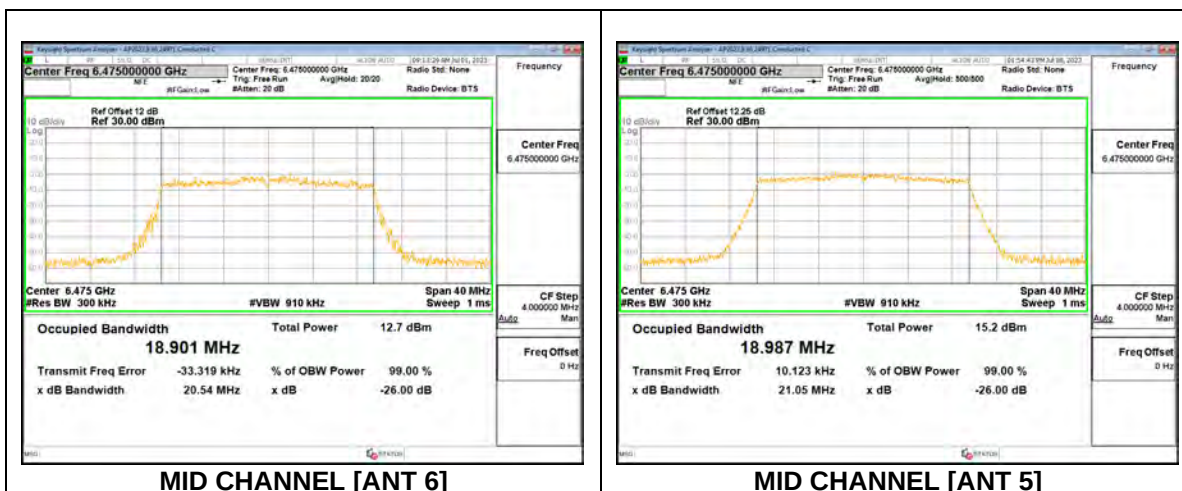
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	18.91	19.42	17.539	18.238
Mid	6475	19.44	19.65	17.698	18.371
High	6515	20.08	19.61	18.391	18.316



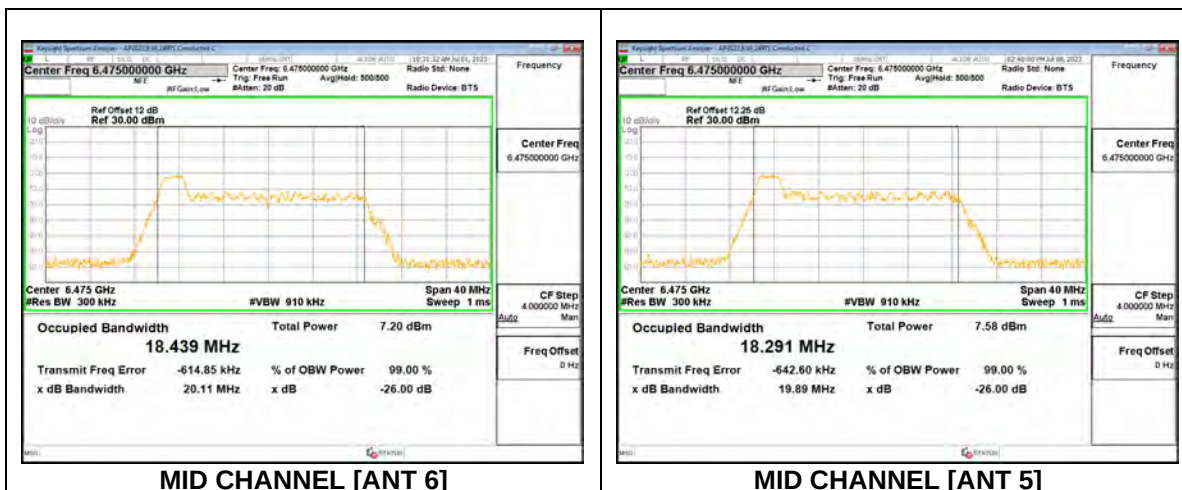
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	20.43	21.01	18.874	19.004
Mid	6475	20.54	21.05	18.901	18.987
High	6515	20.71	21.06	18.894	18.850



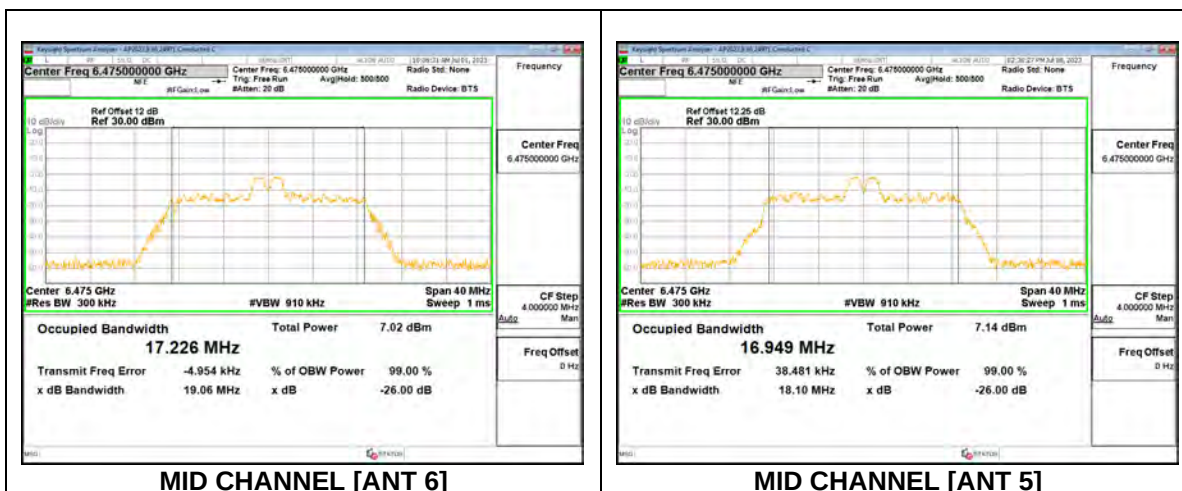
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	20.13	19.88	18.423	18.306
Mid	6475	20.11	19.89	18.439	18.291
High	6515	20.13	19.66	18.398	18.289



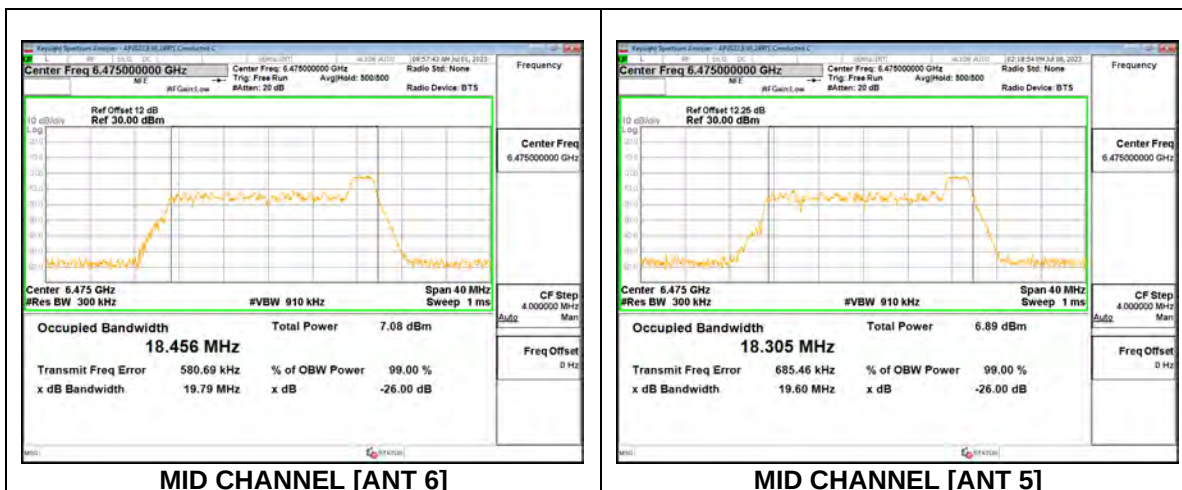
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	18.84	18.30	17.171	16.839
Mid	6475	19.06	18.10	17.226	16.949
High	6515	18.93	18.19	17.237	17.012



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

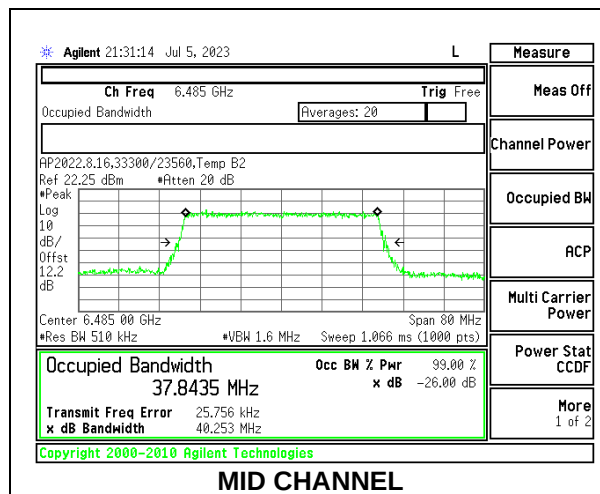
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6435	19.78	19.66	18.454	18.246
Mid	6475	19.79	19.60	18.456	18.305
High	6515	19.85	19.60	18.396	18.192



9.2.6. 802.11ax HE40 MODE IN THE UNII-6 BAND

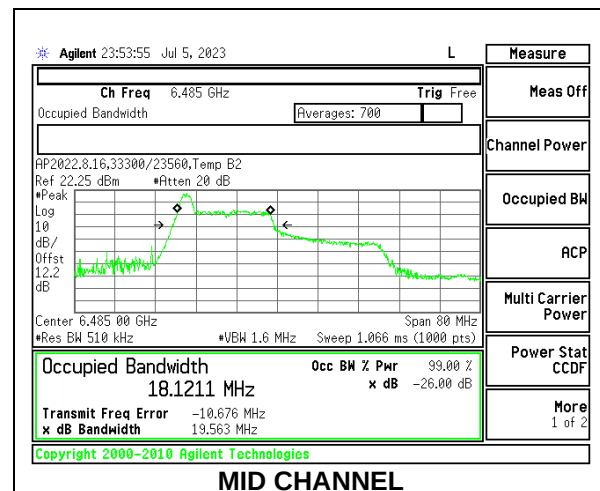
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	40.80	37.781
Mid	6485	40.25	37.844
Straddle	6525	40.10	37.834



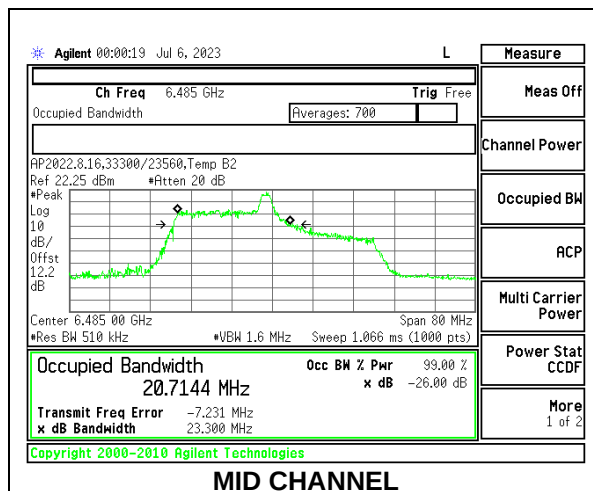
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	18.90	17.559
Mid	6485	19.56	18.121
Straddle	6525	18.68	17.878



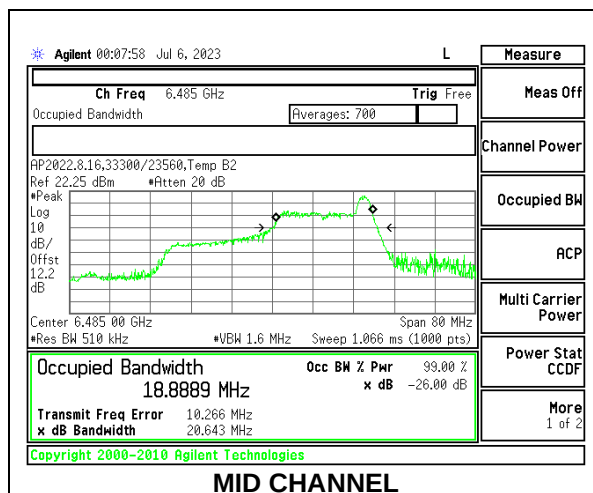
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	23.30	21.912
Mid	6485	23.30	20.714
Straddle	6525	23.91	22.085



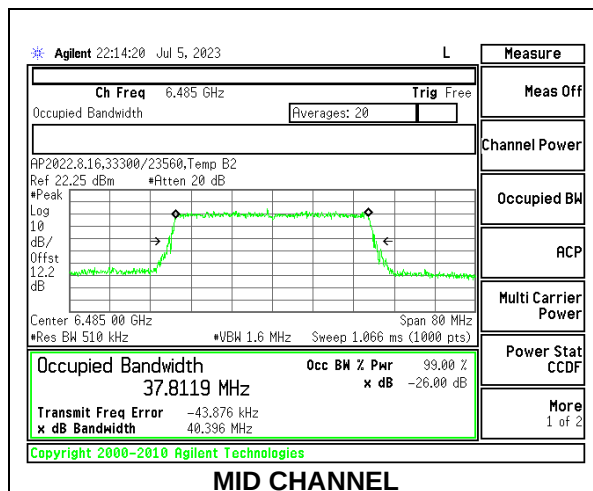
1TX Antenna 6 MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	20.69	18.915
Mid	6485	20.64	18.889
Straddle	6525	20.66	18.721



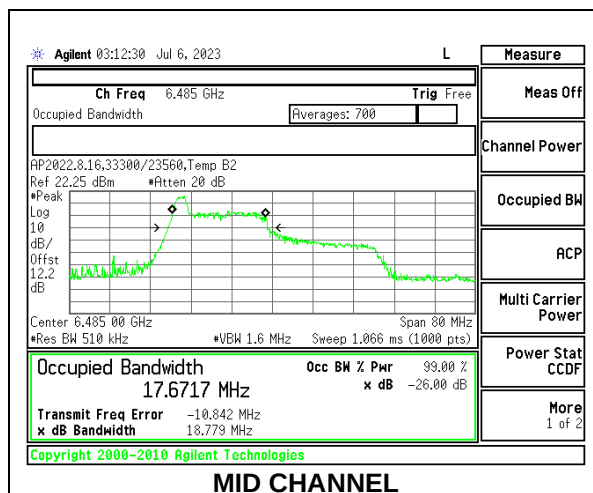
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	40.33	37.860
Mid	6485	40.40	37.812
Straddle	6525	40.57	37.960



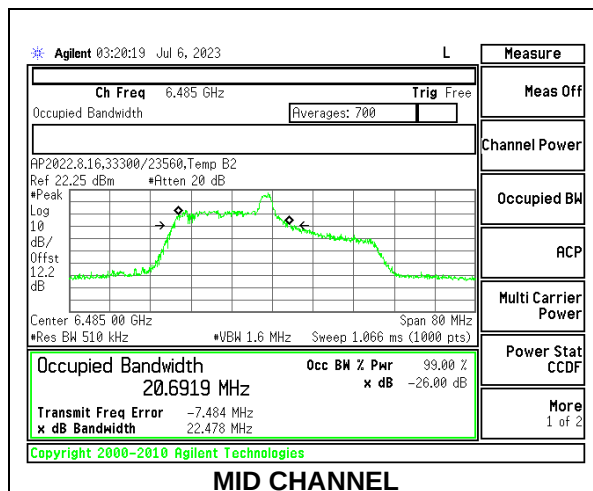
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	19.74	18.434
Mid	6485	18.78	17.672
Straddle	6525	20.06	18.366



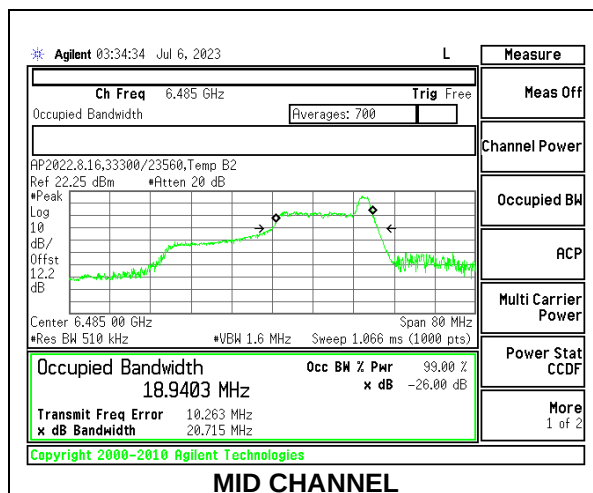
1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	22.79	20.484
Mid	6485	22.48	20.692
Straddle	6525	23.97	21.498



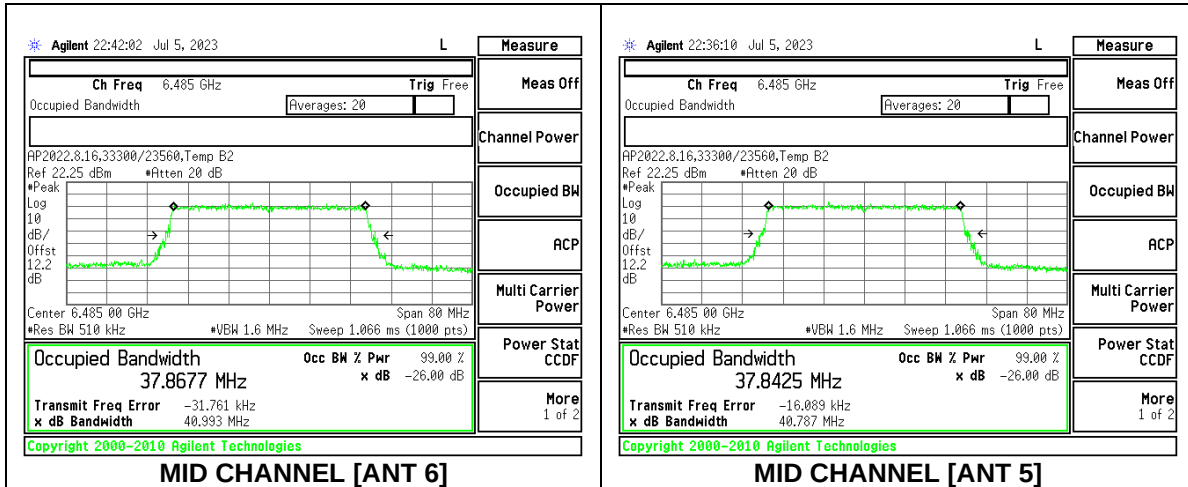
1TX Antenna 5 MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6445	20.56	18.892
Mid	6485	20.72	18.940
Straddle	6525	20.79	18.763



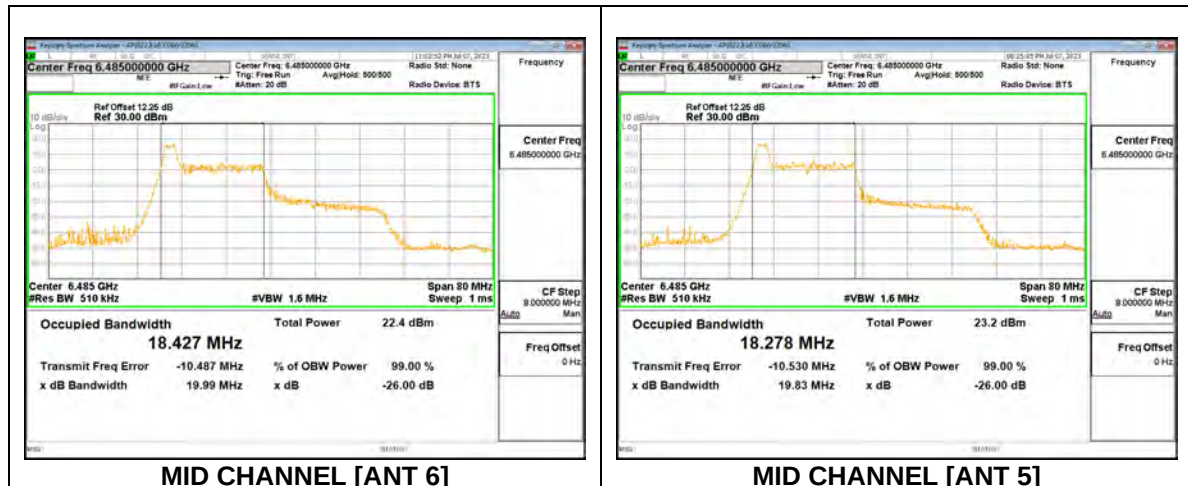
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	40.13	40.15	37.757	37.780
Mid	6485	40.99	40.79	37.868	37.843
Straddle	6525	40.70	40.54	37.887	37.895



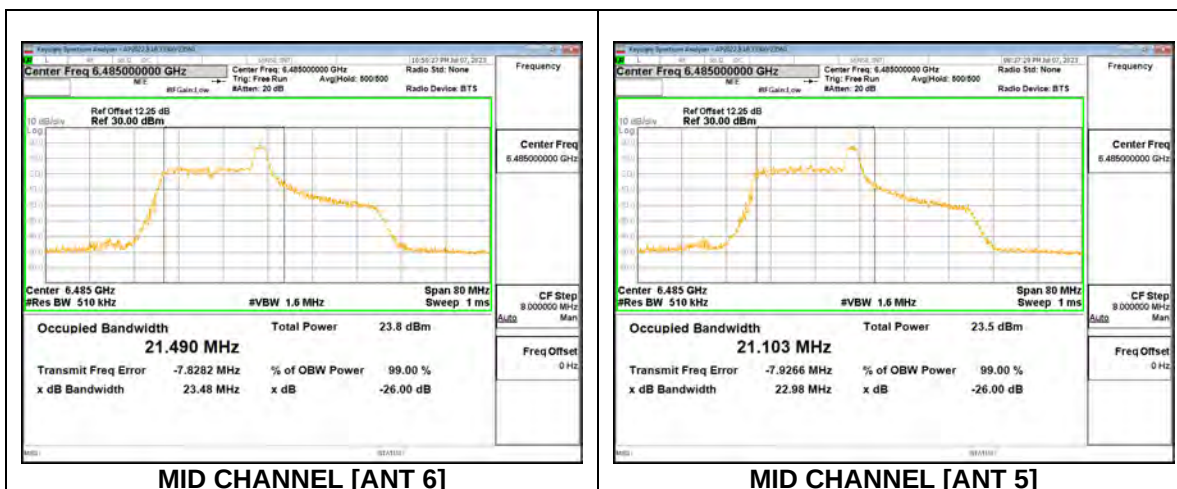
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	20.15	19.85	18.347	18.235
Mid	6485	19.99	19.83	18.427	18.278
Straddle	6525	19.90	20.07	18.375	18.310



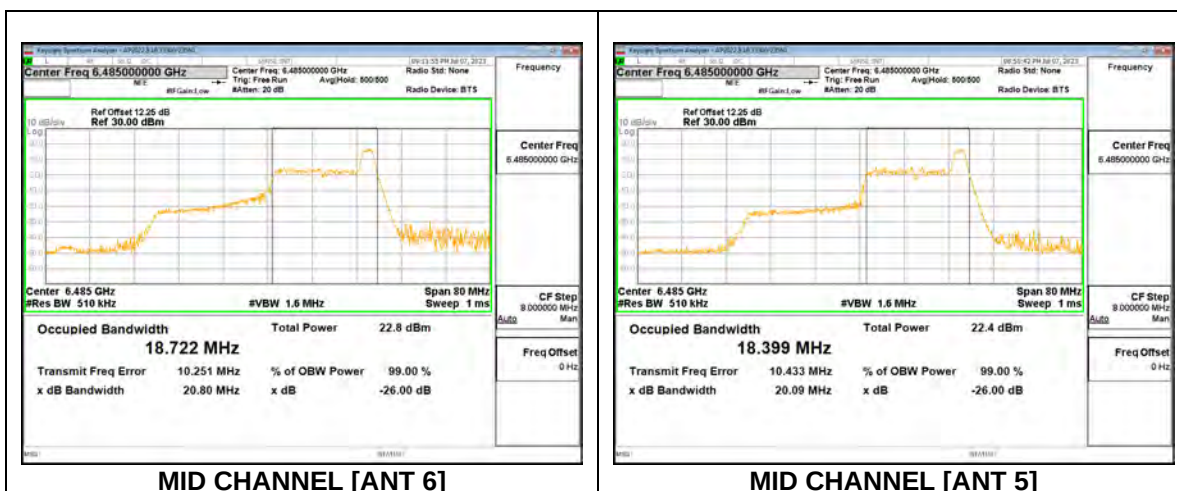
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	24.38	22.14	21.337	21.044
Mid	6485	23.48	22.98	21.490	21.103
Straddle	6525	22.48	23.04	21.365	21.091



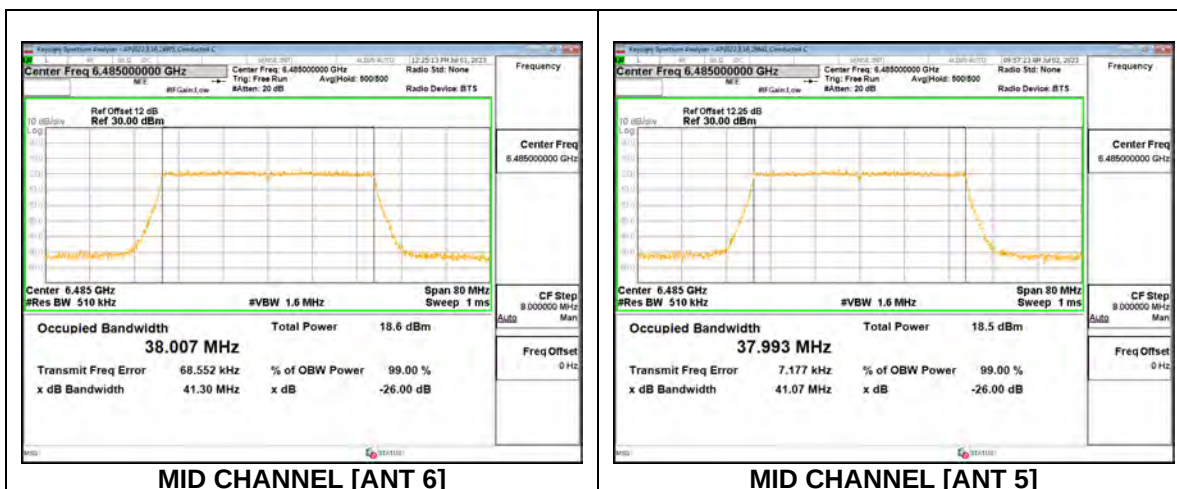
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	20.57	20.03	18.755	18.381
Mid	6485	20.80	20.09	18.722	18.399
Straddle	6525	20.69	20.06	18.665	18.388



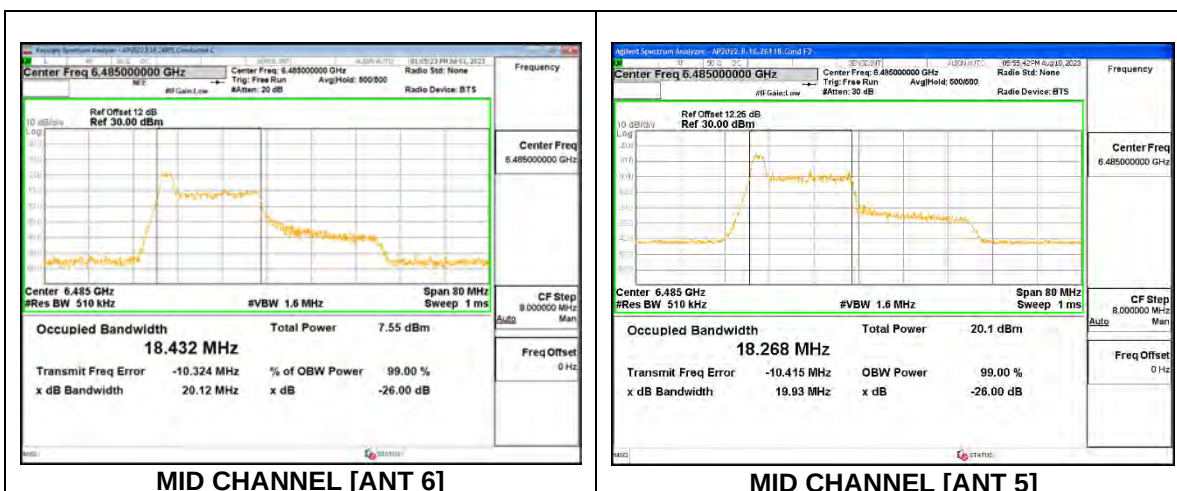
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	40.78	41.77	37.936	38.015
Mid	6485	41.30	41.07	38.007	37.993
Straddle	6525	41.34	41.07	38.040	38.045



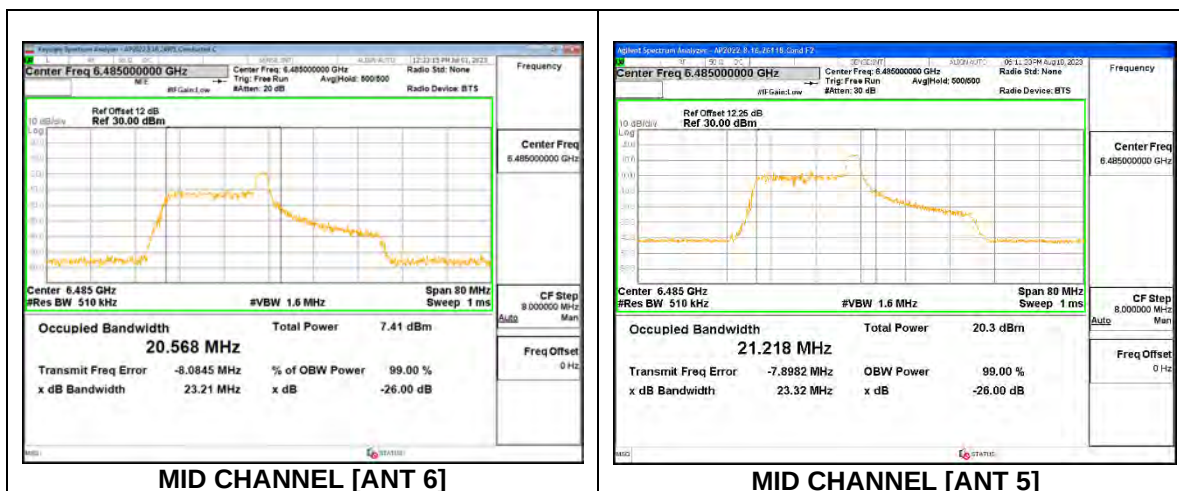
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	20.35	19.77	18.418	18.355
Mid	6485	20.12	19.93	18.432	18.268
Straddle	6525	20.00	19.68	18.431	18.139



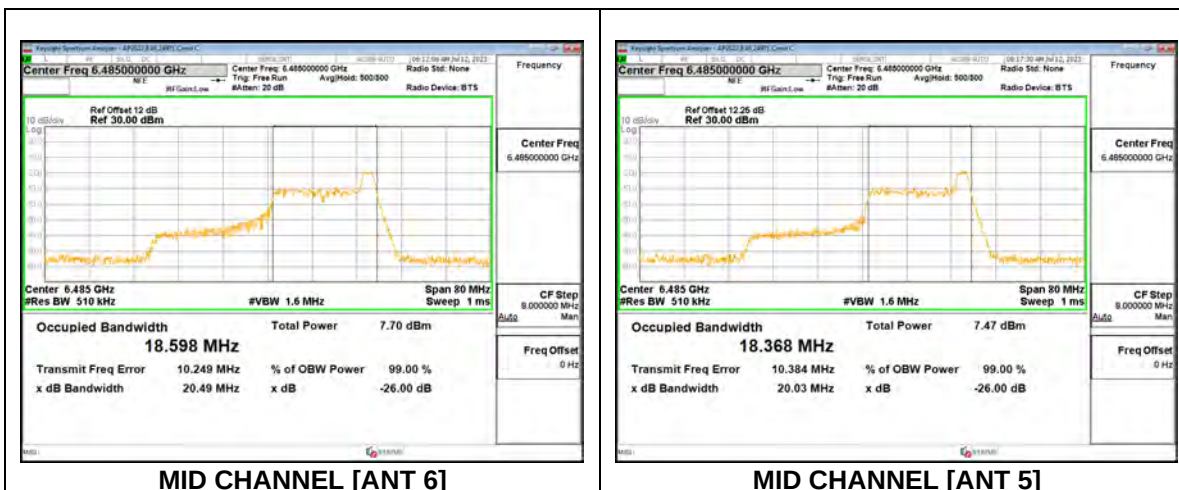
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	23.24	23.14	20.908	21.268
Mid	6485	23.21	23.32	20.568	21.218
Straddle	6525	22.44	23.10	20.490	21.148



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 17

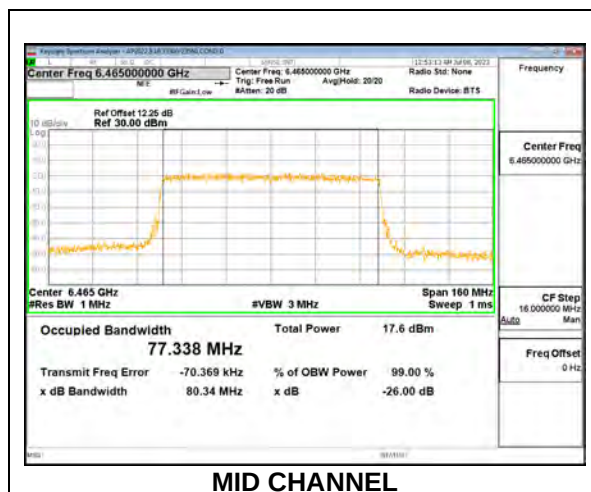
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6445	20.47	20.15	18.503	18.368
Mid	6485	20.49	20.03	18.598	18.368
Straddle	6525	20.41	20.50	18.666	18.261



9.2.7. 802.11ax HE80 MODE IN THE UNII-6 BAND

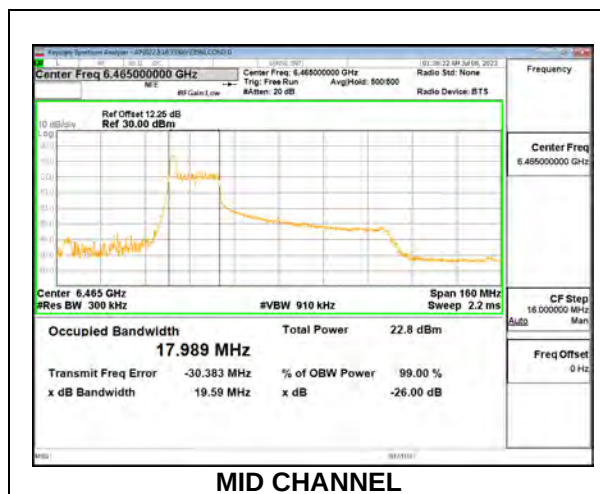
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	80.34	77.338



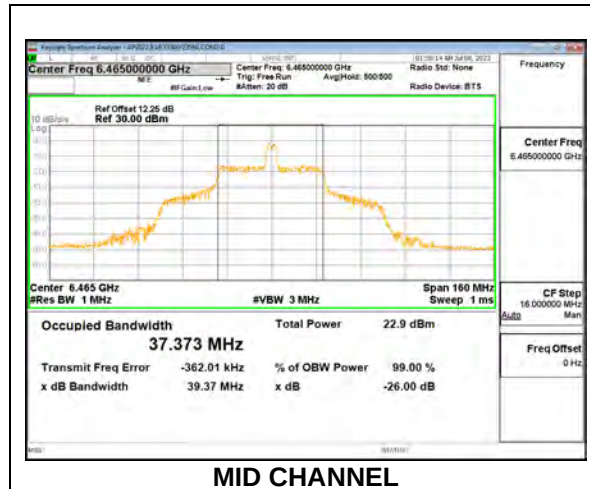
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	19.59	17.989



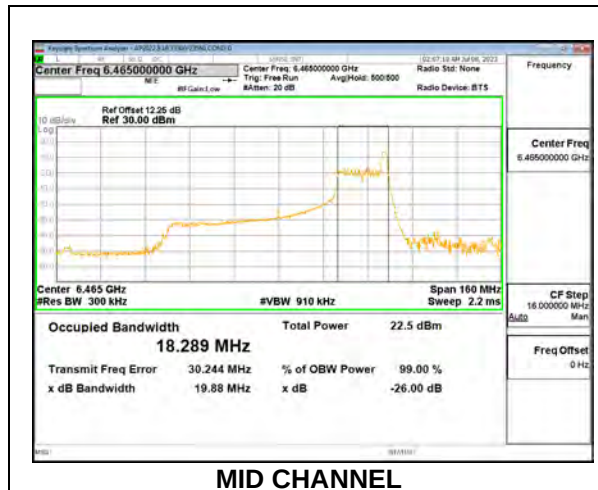
1TX Antenna 6 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	39.37	37.373



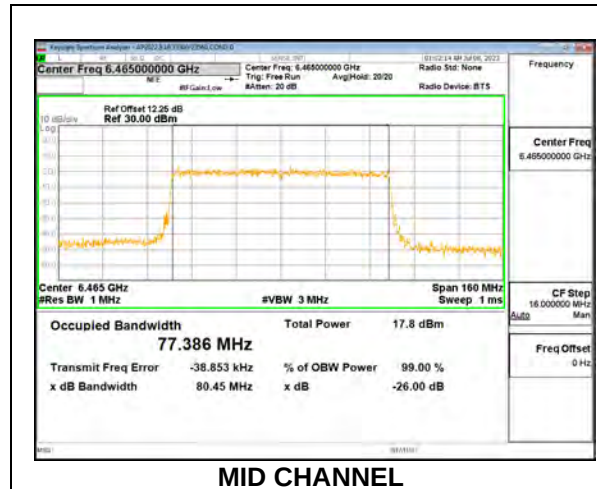
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	19.88	18.289



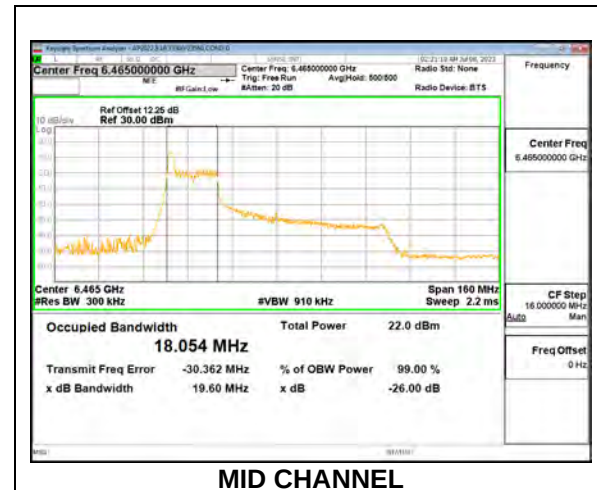
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	80.45	77.386



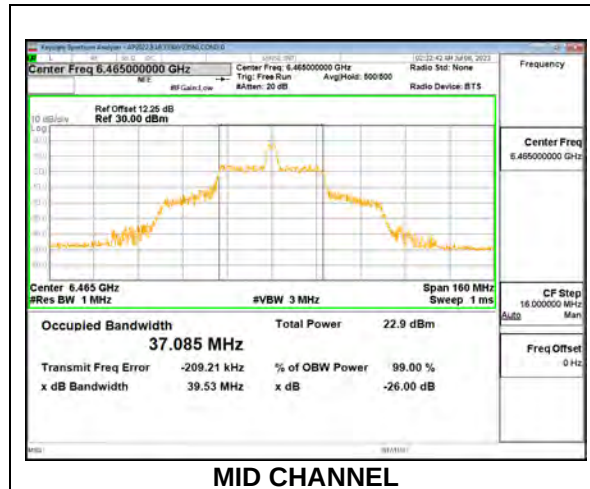
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	19.60	18.054



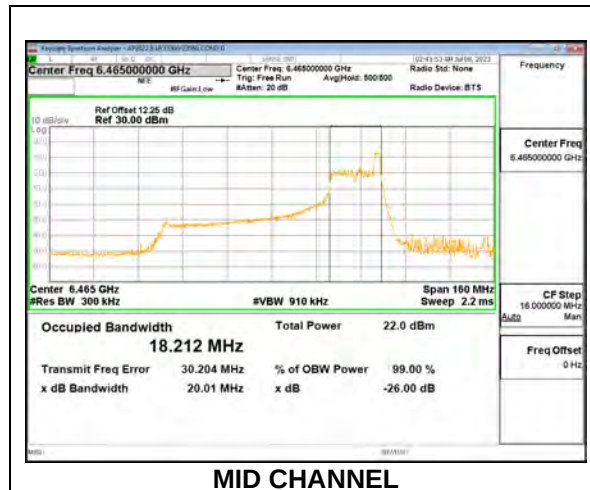
1TX Antenna 5 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	39.53	37.085



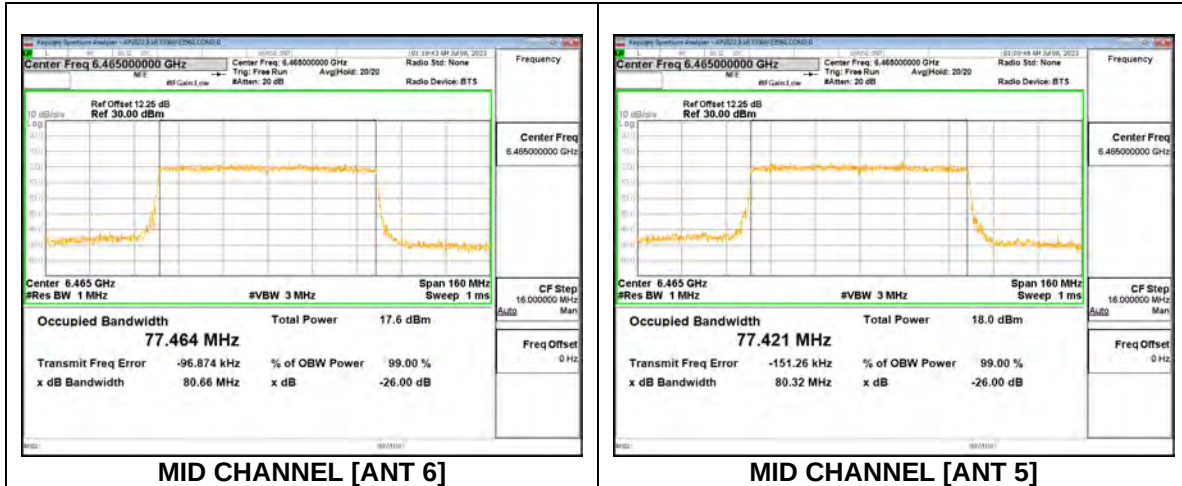
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6465	20.01	18.212



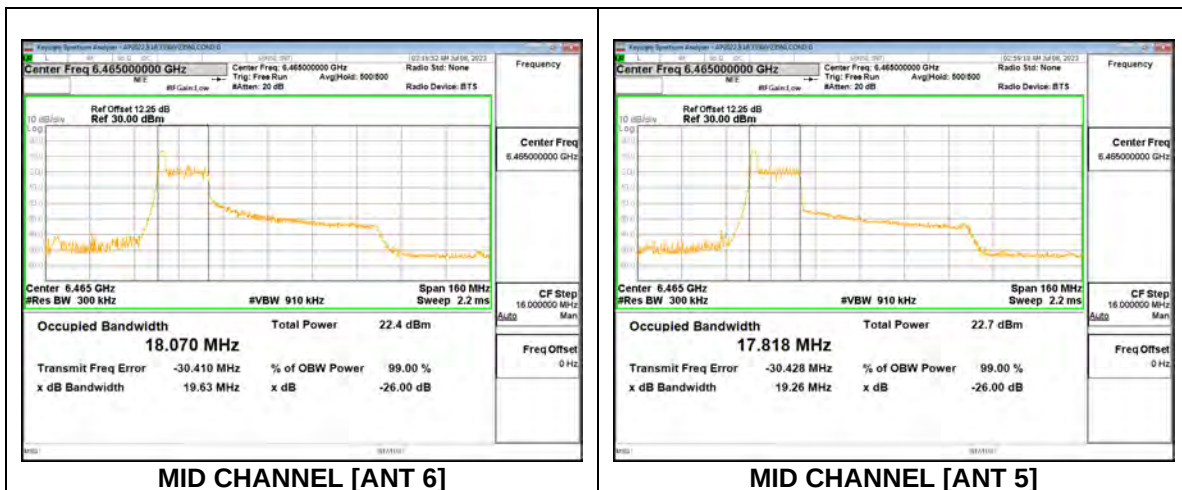
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	80.66	80.32	77.464	77.421



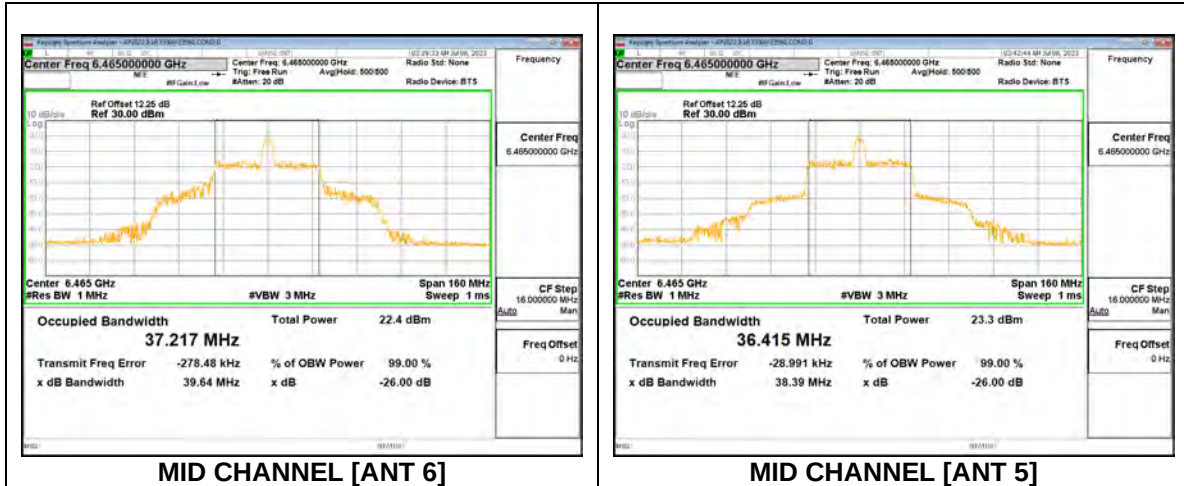
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	19.63	19.26	18.070	17.818



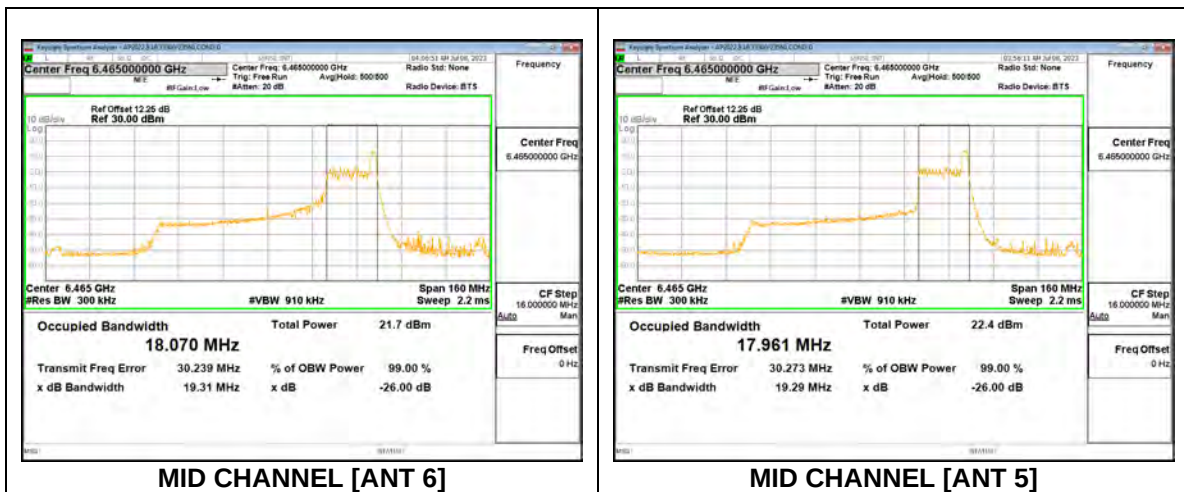
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	39.64	38.39	37.217	36.415



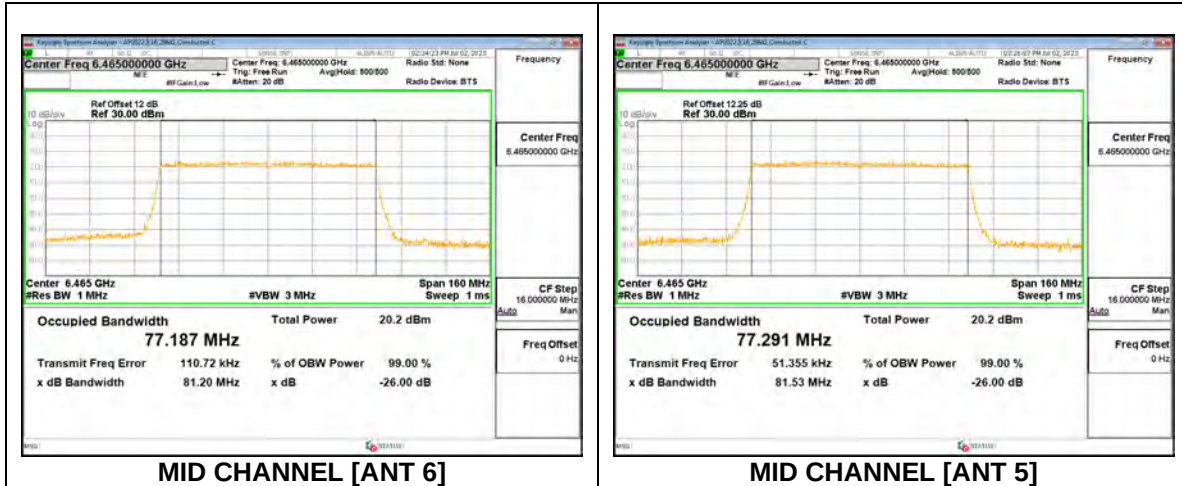
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	19.31	19.29	18.070	17.961



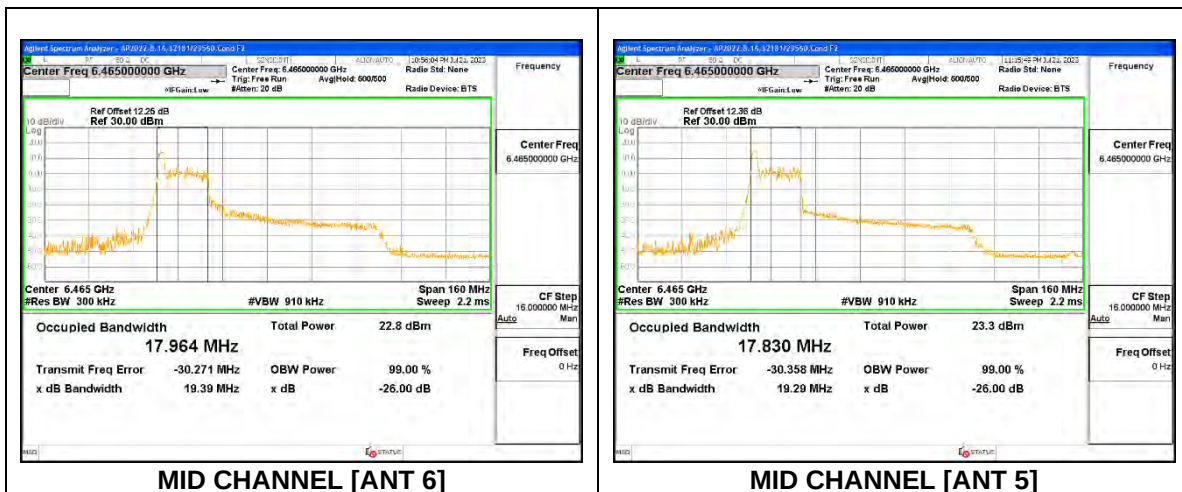
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	81.20	81.53	77.187	77.291



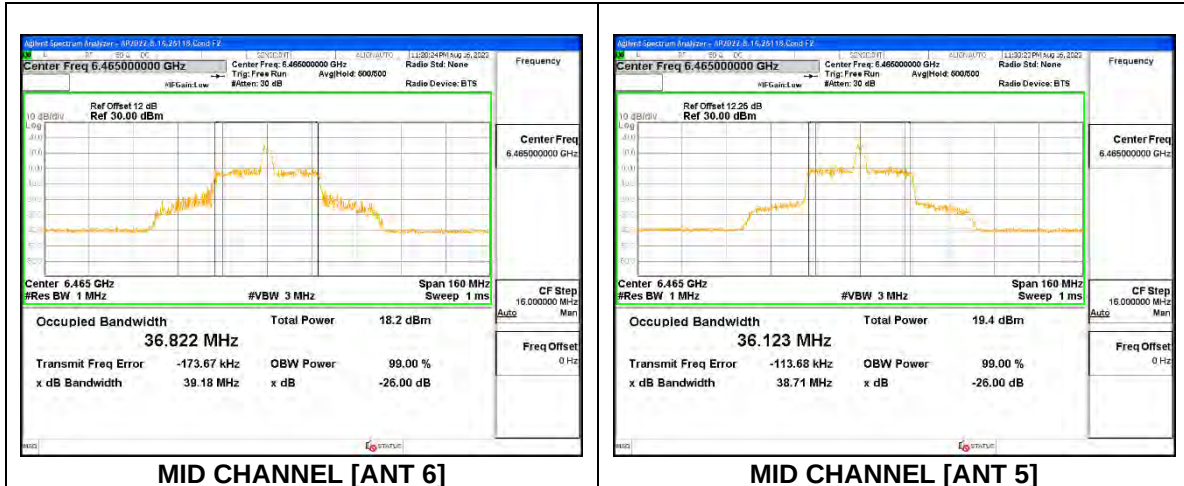
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	19.39	19.29	17.964	17.830



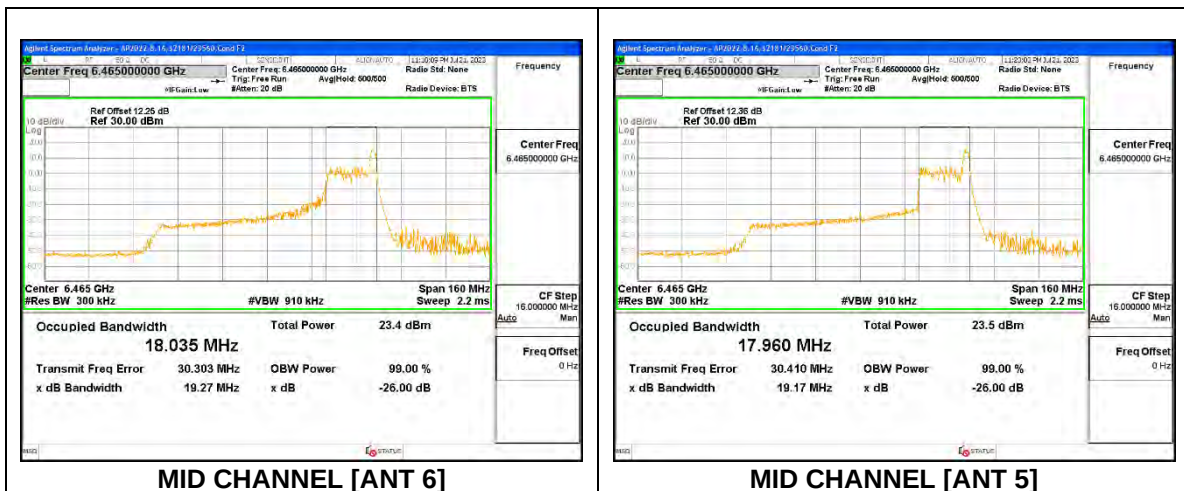
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	39.18	38.71	36.822	36.123



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

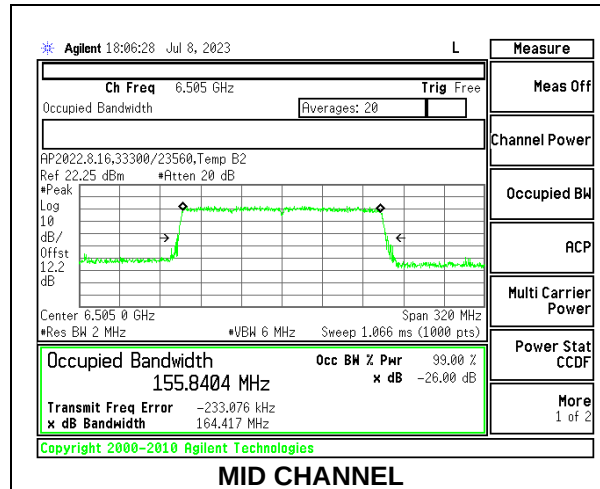
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6465	19.27	19.17	18.035	17.960



9.2.8. 802.11ax HE160 MODE IN THE UNII-6 BAND

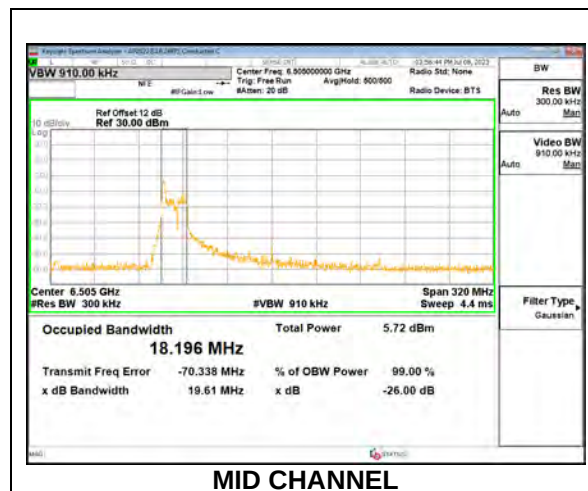
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	164.42	155.840



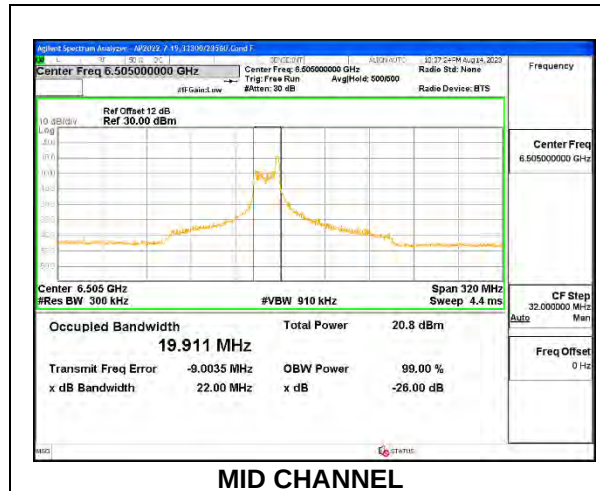
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	19.61	18.196



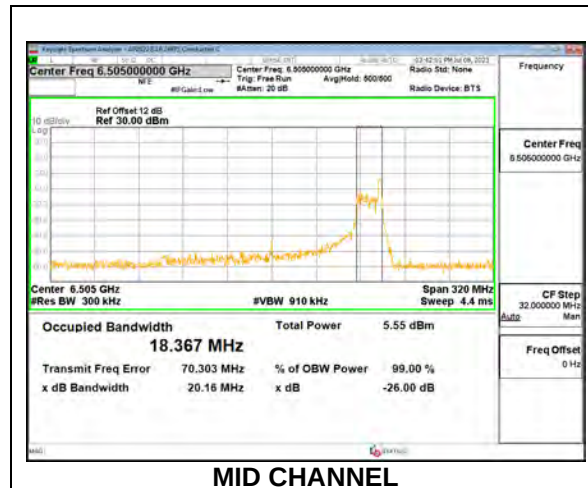
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	22.00	19.911



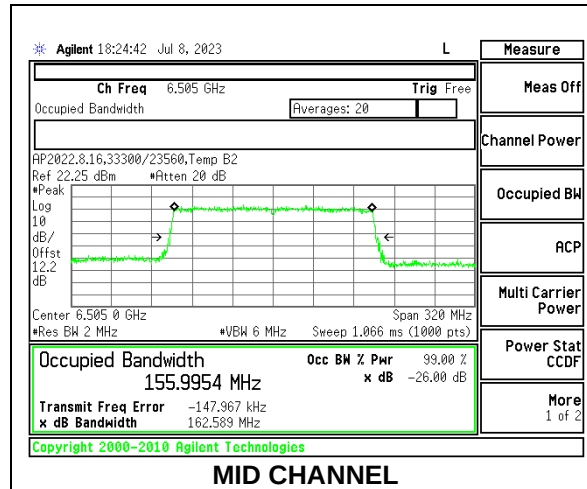
1TX Antenna 6 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	20.16	18.367



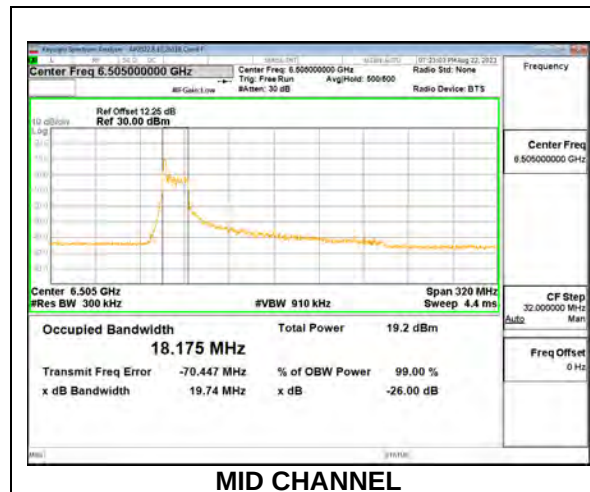
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6505	162.59	155.995



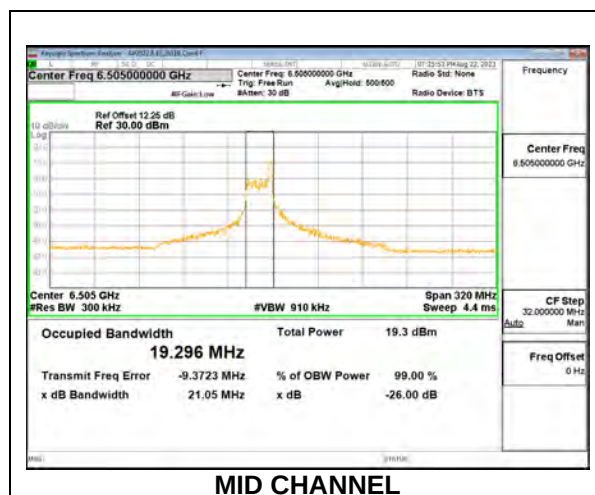
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6505	19.74	18.175



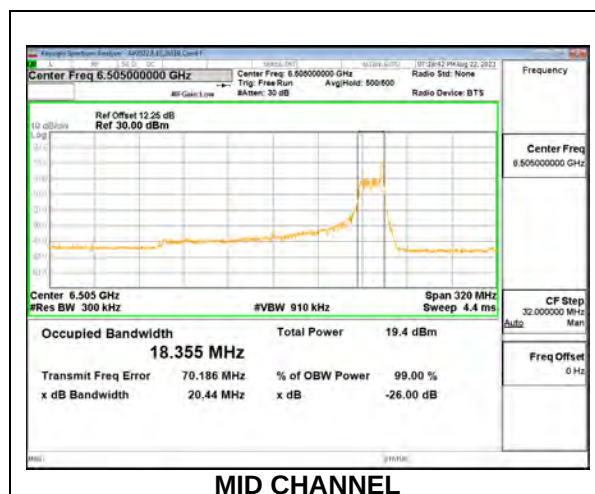
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	21.05	19.296



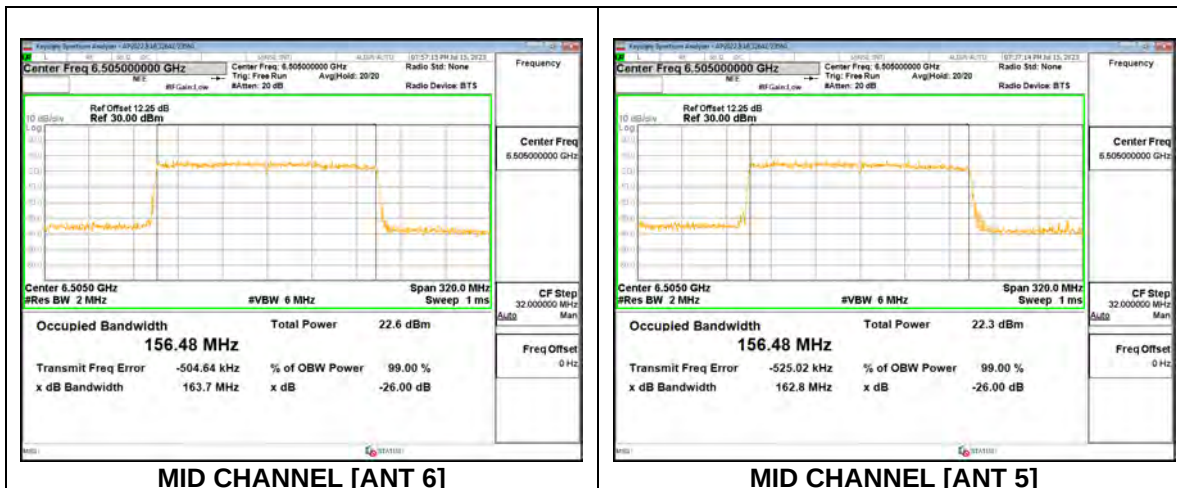
1TX Antenna 5 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6505	20.44	18.355



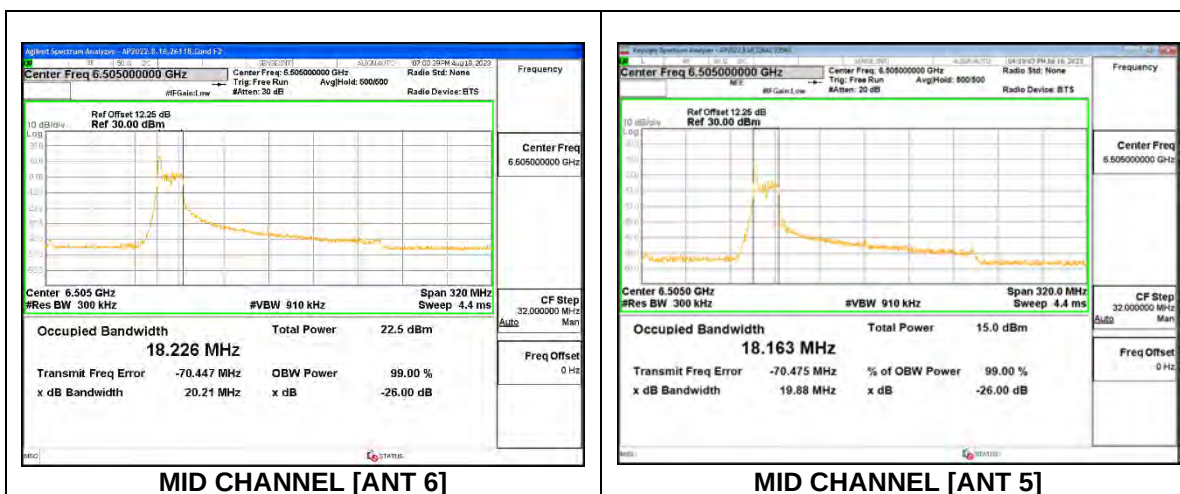
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	163.70	162.80	156.480	156.480



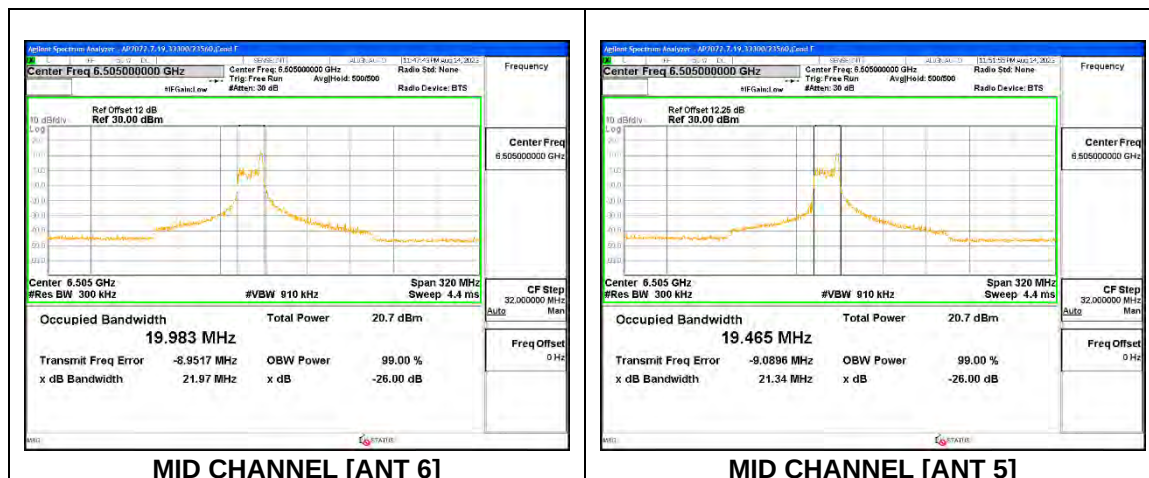
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	20.21	19.88	18.226	18.163



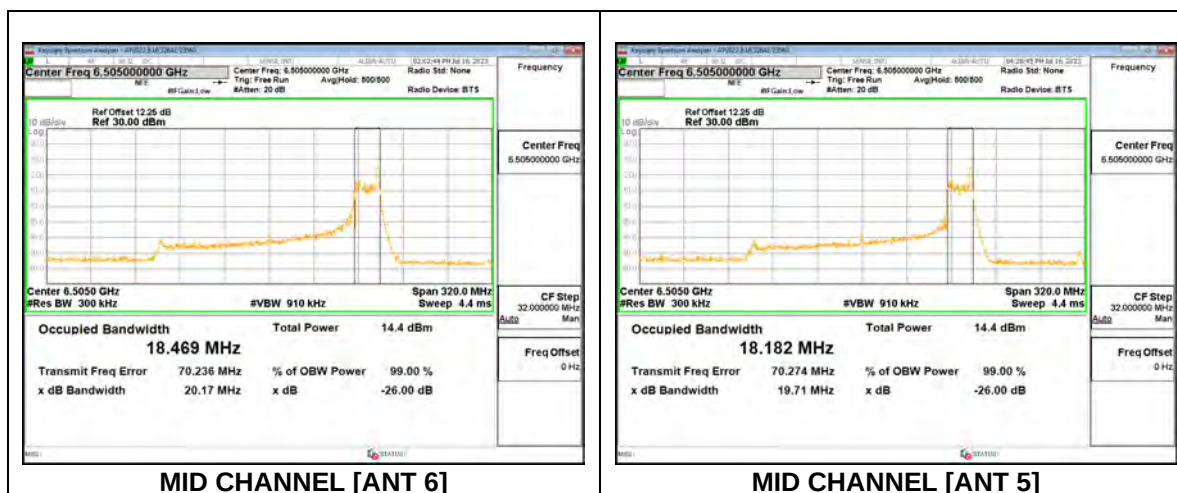
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	21.97	21.34	19.983	19.465



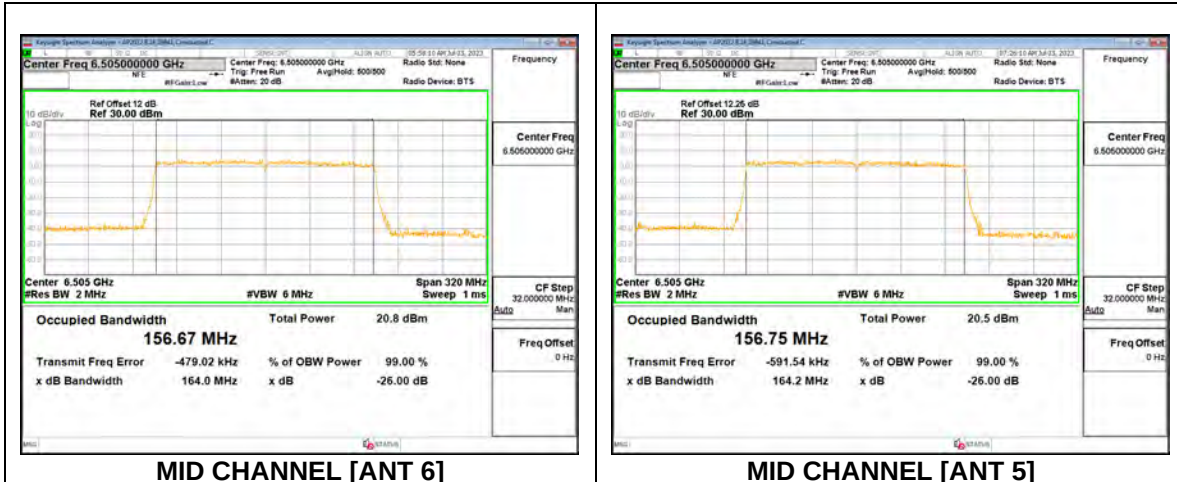
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	20.17	19.71	18.469	18.182



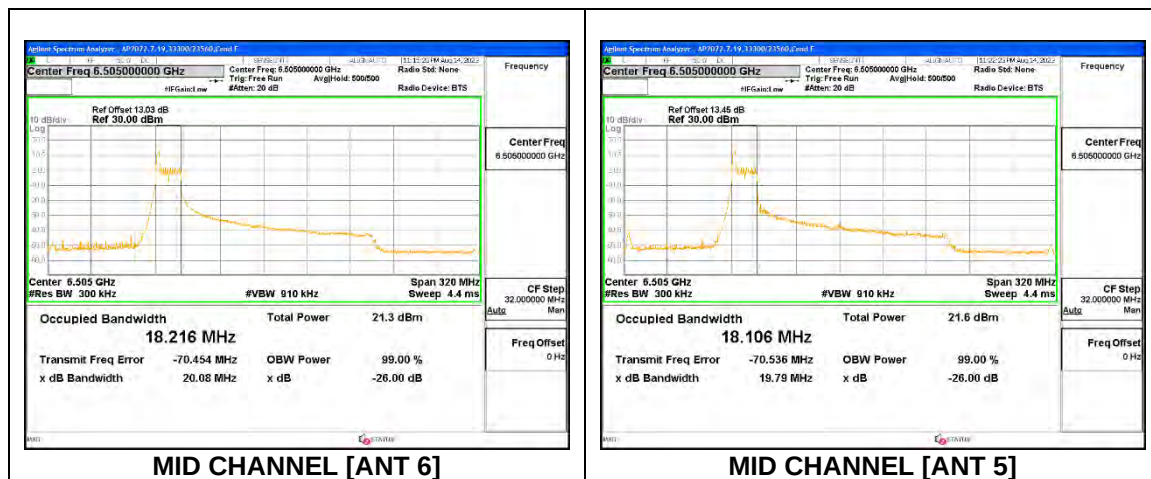
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	164.00	164.20	156.670	156.750



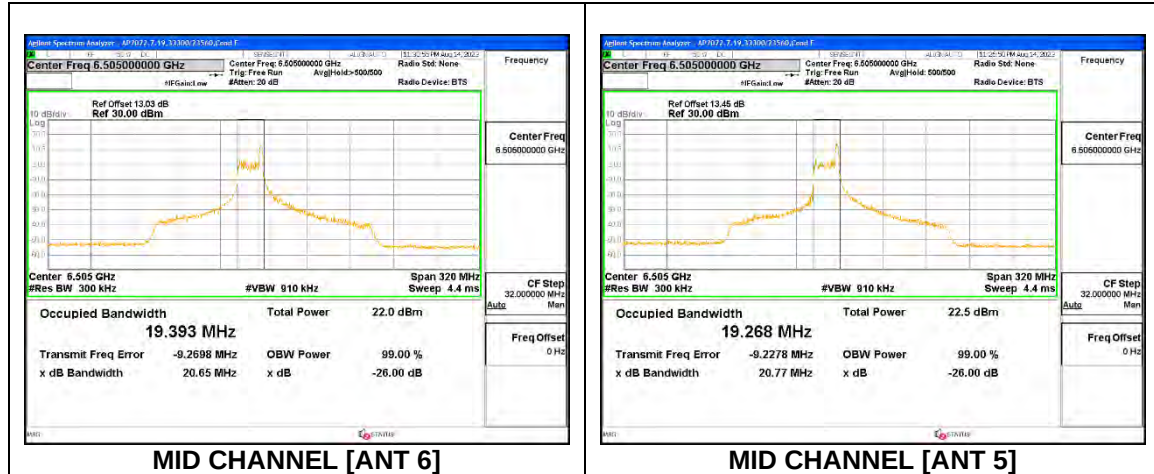
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	20.08	19.79	18.216	18.106



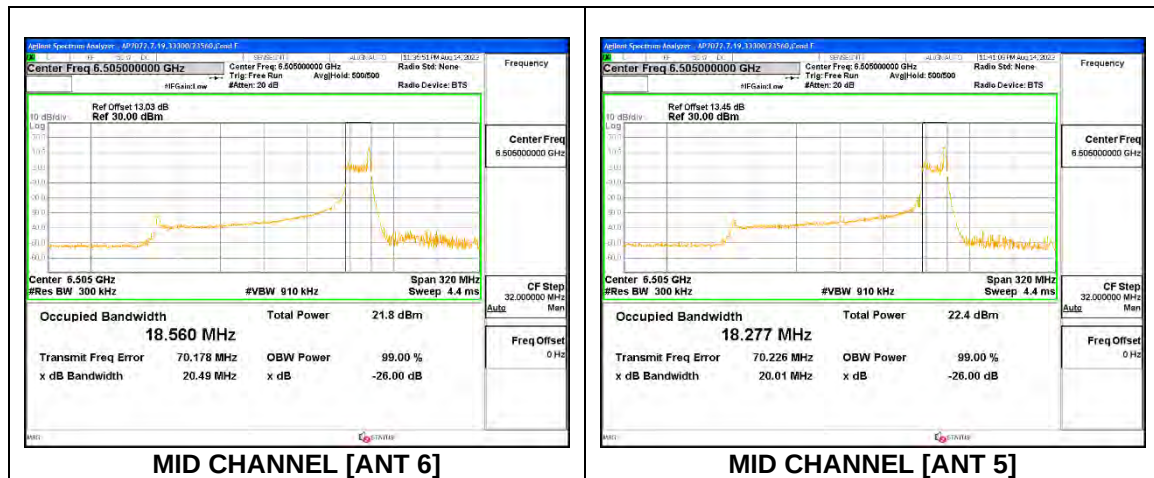
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	20.65	20.77	19.393	19.268



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index S36

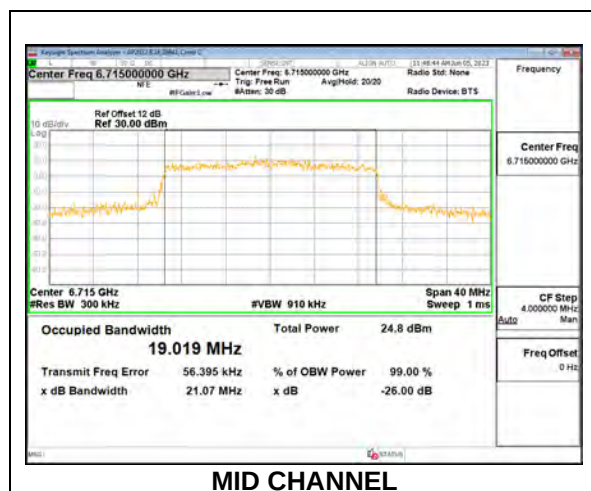
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6505	20.49	20.01	18.560	18.277



9.2.9. 802.11ax HE20 MODE IN THE UNII-7 BAND

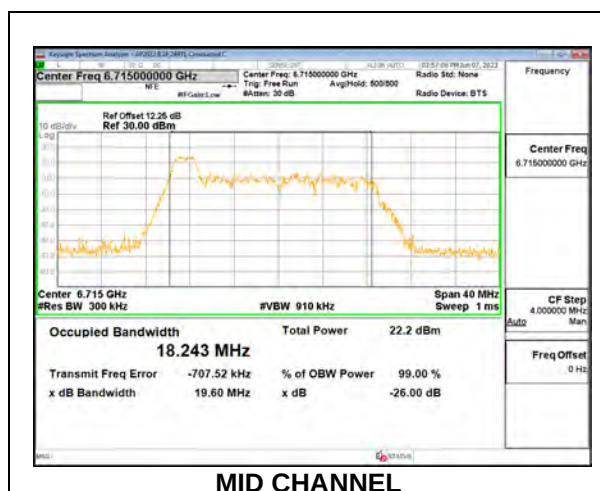
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	20.83	19.011
Mid	6715	21.07	19.019
High	6855	21.64	18.989
Straddle	6875	24.36	19.073

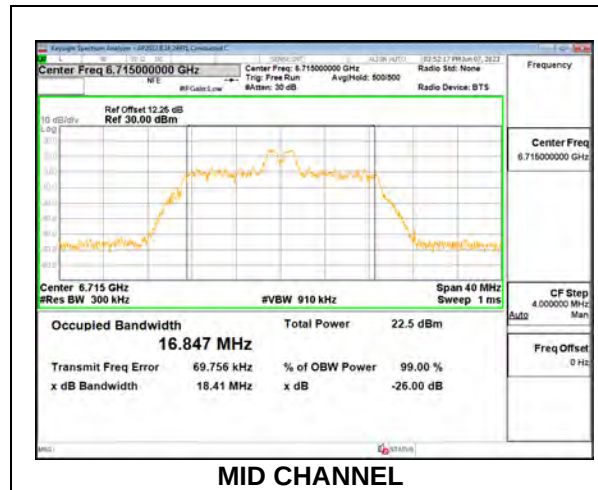


1TX Antenna 6 MODE: 26-Tone, RU Index 0

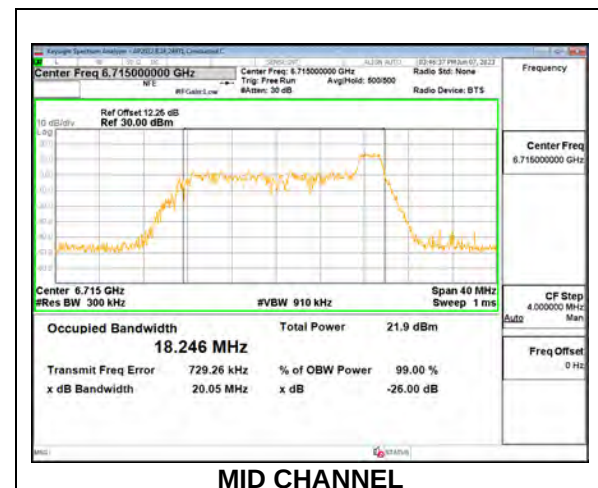
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	19.83	18.331
Mid	6715	19.60	18.243
High	6855	19.92	18.189
Straddle	6875	19.92	18.293



Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	18.37	16.903
Mid	6715	18.41	16.847
High	6855	18.48	17.060
Straddle	6875	18.72	16.875

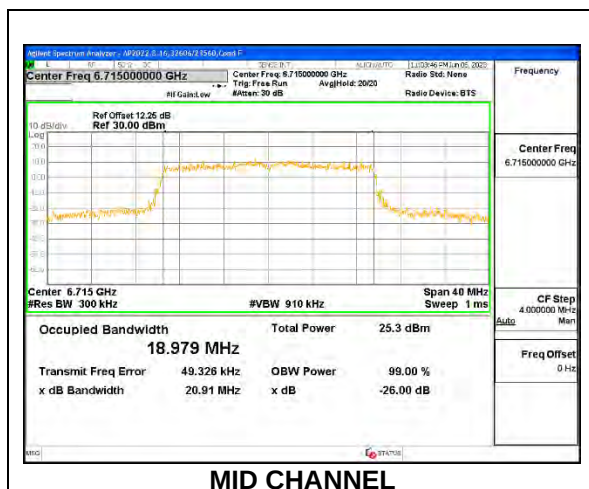


Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	19.96	18.428
Mid	6715	20.05	18.246
High	6855	20.08	18.520
Straddle	6875	20.36	18.457



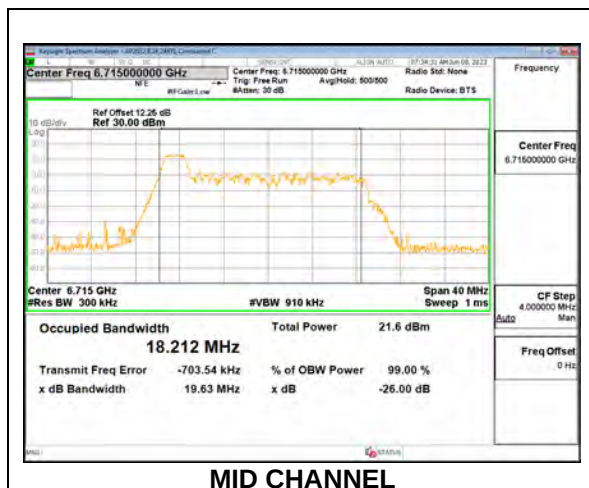
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	20.92	18.971
Mid	6715	20.91	18.979
High	6855	21.72	19.049
Straddle	6875	24.20	19.015



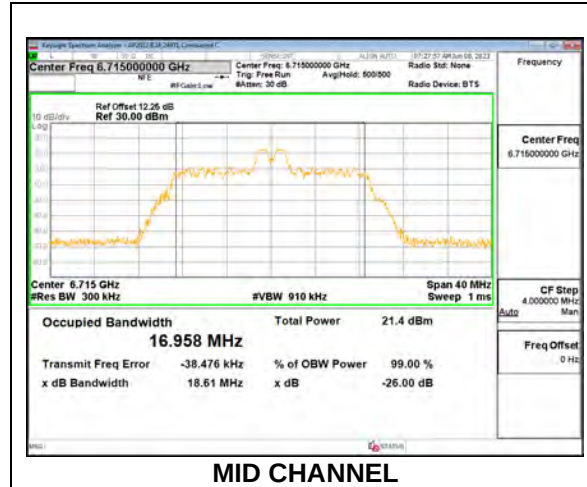
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	19.81	18.286
Mid	6715	19.63	18.212
High	6855	19.96	18.347
Straddle	6875	19.92	18.264



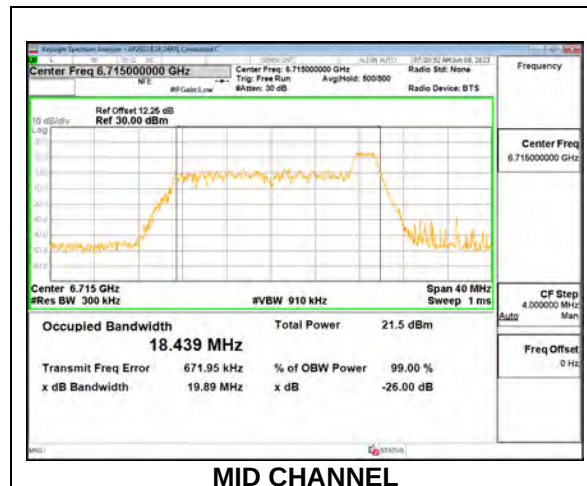
1TX Antenna 5 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	18.45	16.897
Mid	6715	18.61	16.958
High	6855	18.64	16.843
Straddle	6875	18.76	16.958



1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6535	20.10	18.420
Mid	6715	19.89	18.439
High	6855	20.04	18.476
Straddle	6875	20.36	18.480



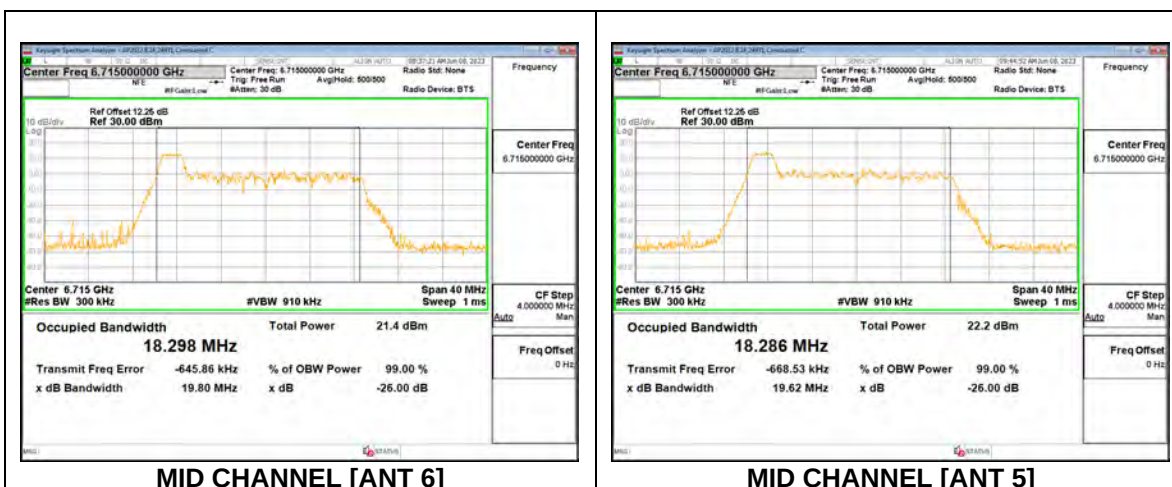
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	20.59	20.85	18.973	18.945
Mid	6715	21.06	20.86	18.995	18.982
High	6855	21.68	21.52	19.037	19.024
Straddle	6875	26.51	22.08	19.020	19.020



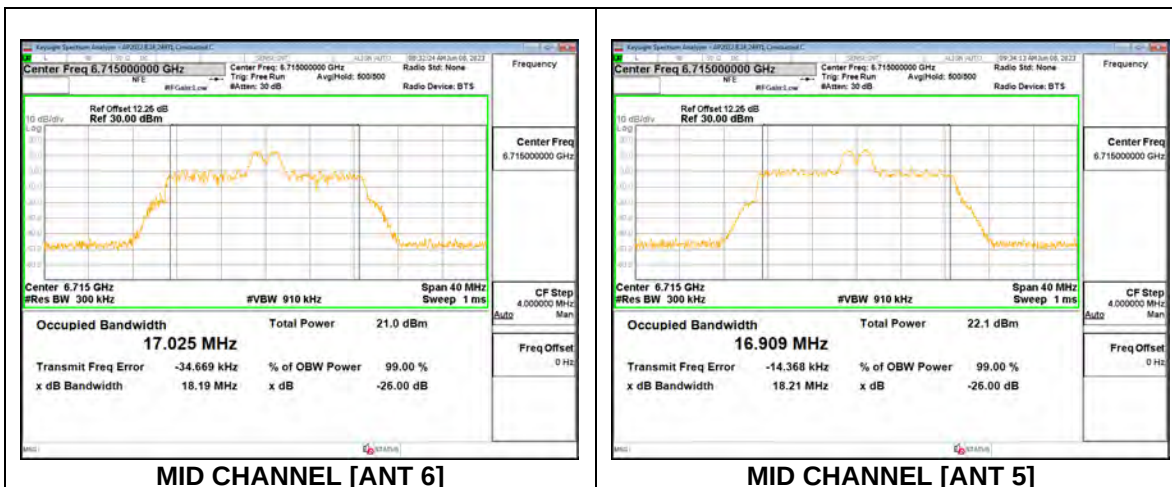
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	19.69	19.81	18.257	18.181
Mid	6715	19.80	19.62	18.298	18.286
High	6855	19.88	19.92	18.226	18.288
Straddle	6875	20.04	19.96	18.255	18.272



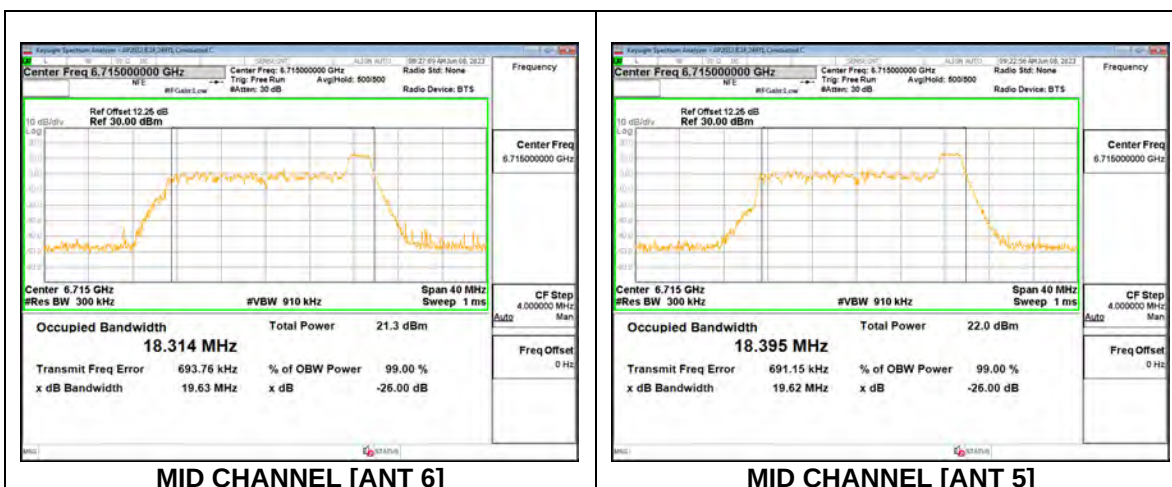
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	18.48	18.00	16.821	16.783
Mid	6715	18.19	18.21	17.025	16.909
High	6855	18.72	18.82	16.990	16.939
Straddle	6875	18.68	18.32	16.950	16.851



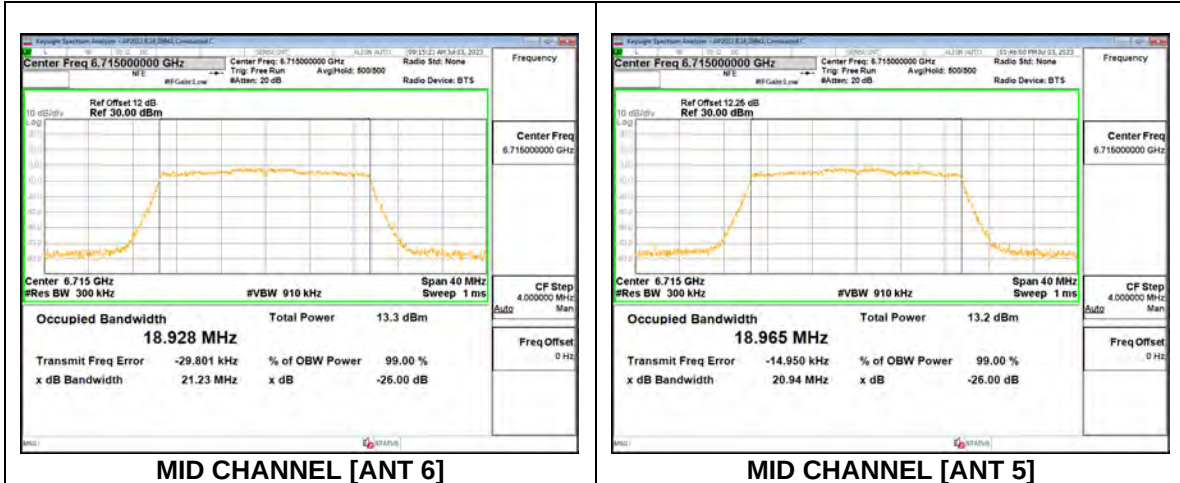
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	19.99	19.62	18.420	18.370
Mid	6715	19.63	19.62	18.314	18.395
High	6855	20.28	19.64	18.442	18.329
Straddle	6875	20.32	19.80	18.430	18.311



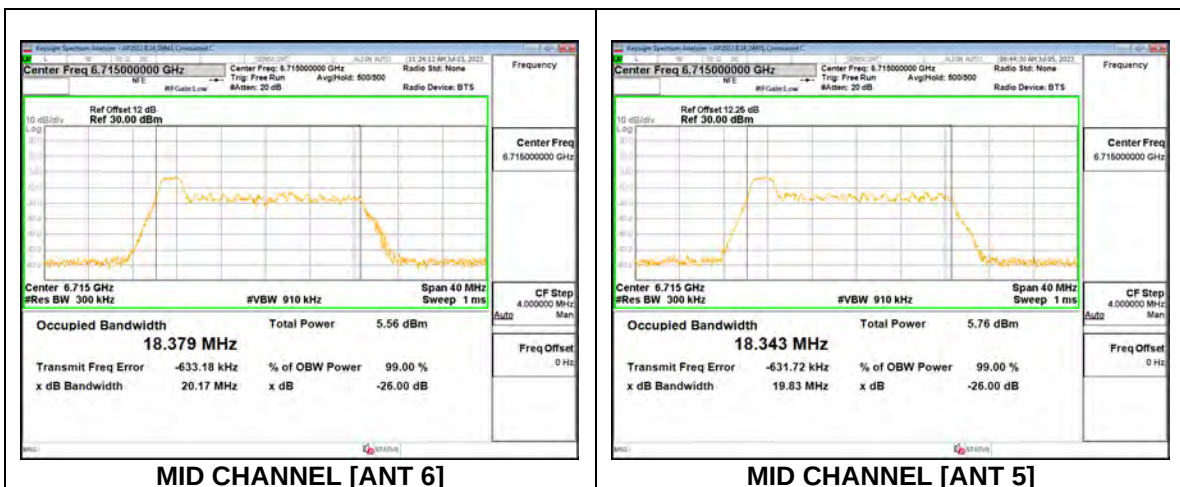
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	21.21	21.14	18.967	18.978
Mid	6715	21.23	20.94	18.928	18.965
High	6855	21.60	21.60	19.058	19.015
Straddle	6875	21.44	21.32	18.990	18.936



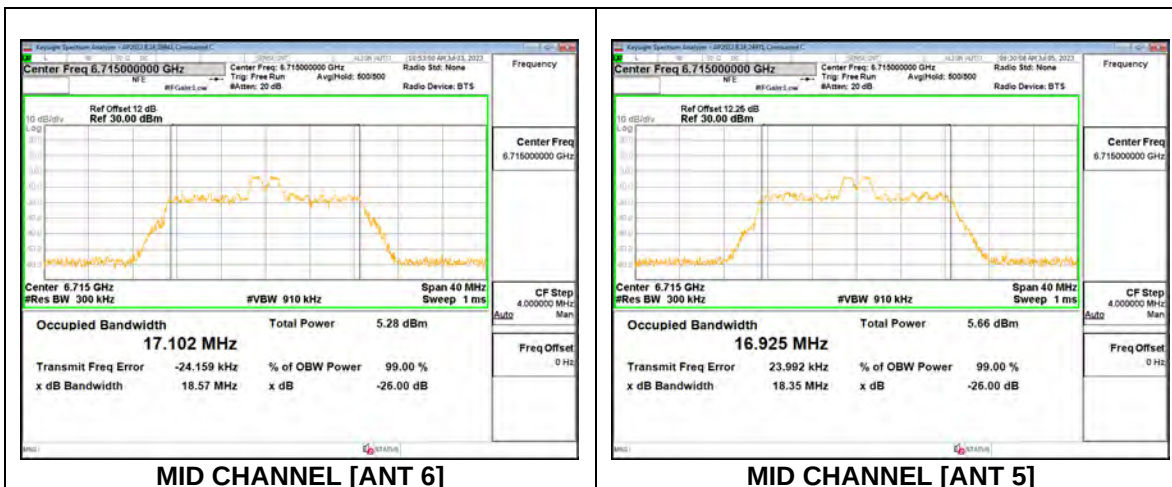
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	20.33	19.73	18.422	18.331
Mid	6715	20.17	19.83	18.379	18.343
High	6855	21.60	21.60	19.058	19.015
Straddle	6875	20.40	20.44	18.463	18.383



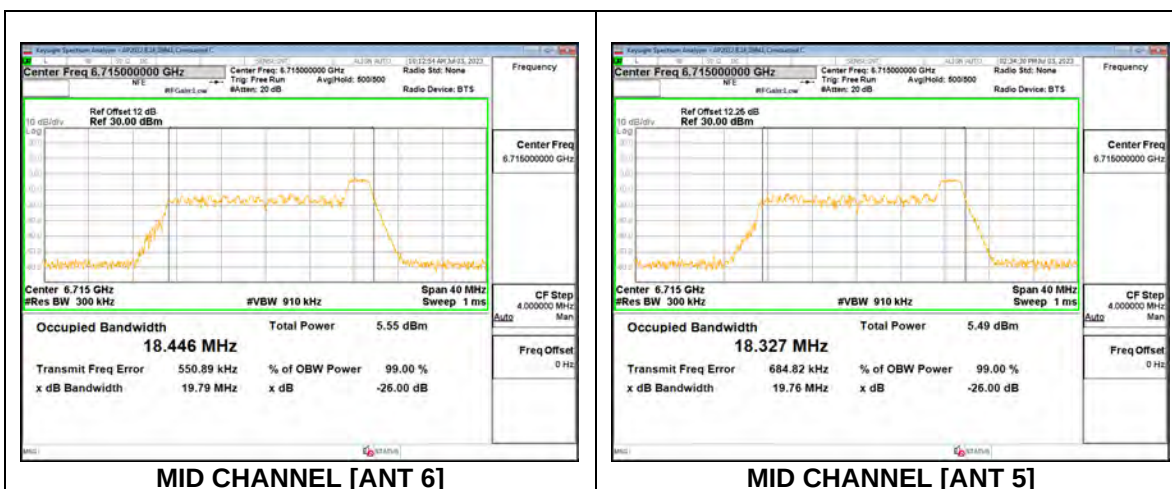
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	18.67	18.18	17.134	16.983
Mid	6715	18.57	18.35	17.102	16.925
High	6855	18.72	19.32	18.297	18.289
Straddle	6875	19.20	19.16	17.221	17.233



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

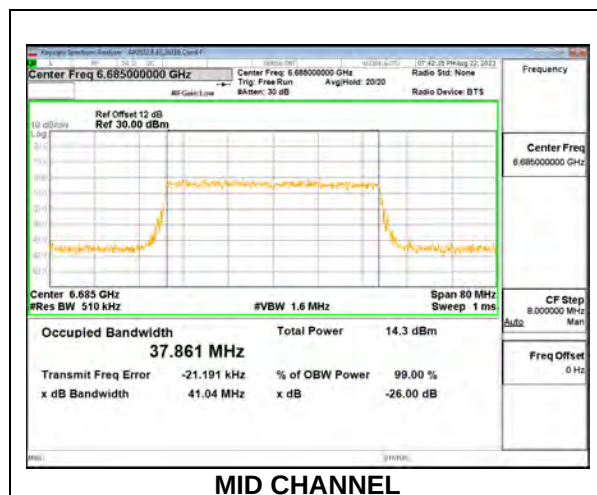
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6535	19.79	19.71	18.429	18.112
Mid	6715	19.79	19.76	18.446	18.327
High	6855	20.12	19.68	18.469	18.320
Straddle	6875	20.00	19.88	18.391	18.396



9.2.10. 802.11ax HE40 MODE IN THE UNII-7 BAND

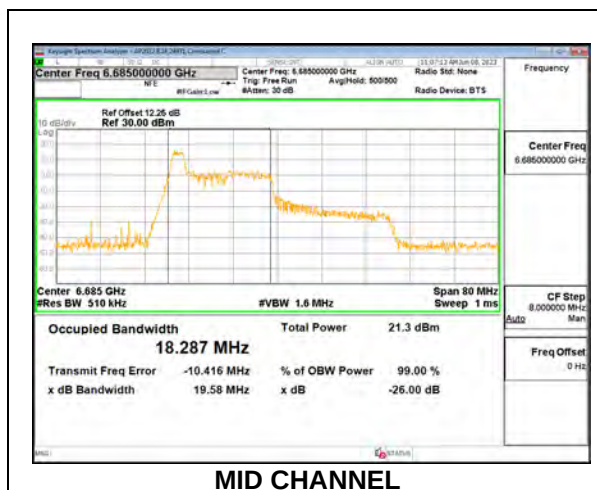
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	41.04	37.915
Mid	6685	41.04	37.861
High	6845	42.40	38.285



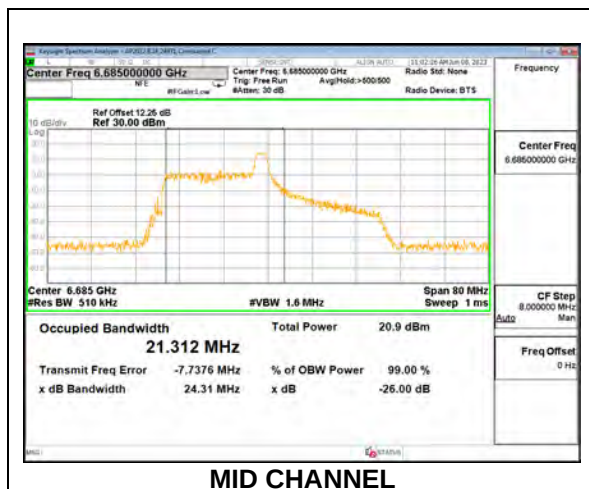
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	19.99	18.383
Mid	6685	19.58	18.287
High	6845	20.05	18.330



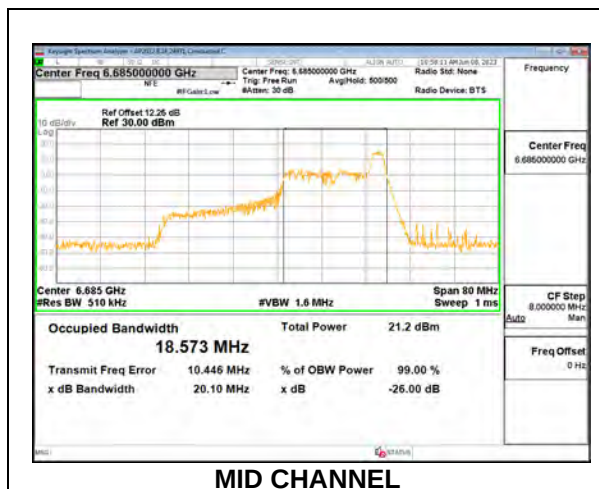
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	25.31	21.643
Mid	6685	24.31	21.312
High	6845	24.53	21.270



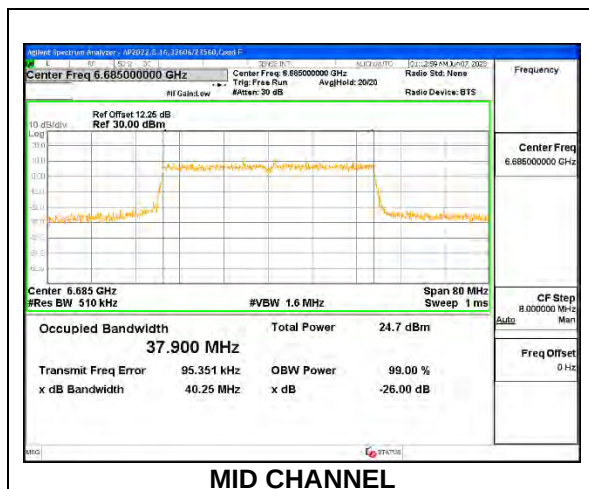
1TX Antenna 6 MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	20.85	18.786
Mid	6685	20.10	18.573
High	6845	19.85	18.525



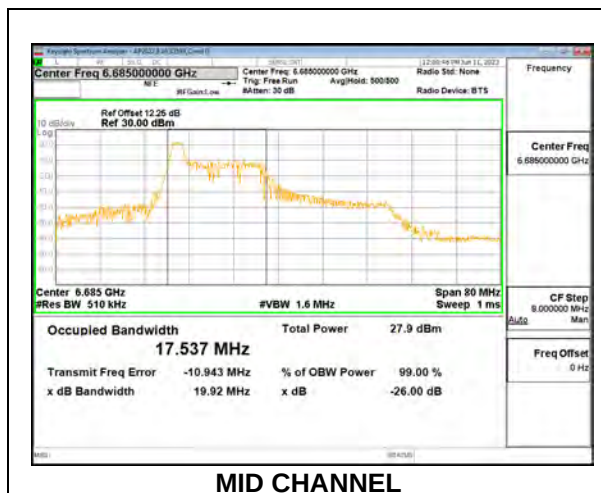
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	40.56	38.030
Mid	6685	40.25	37.900
High	6845	42.16	38.100



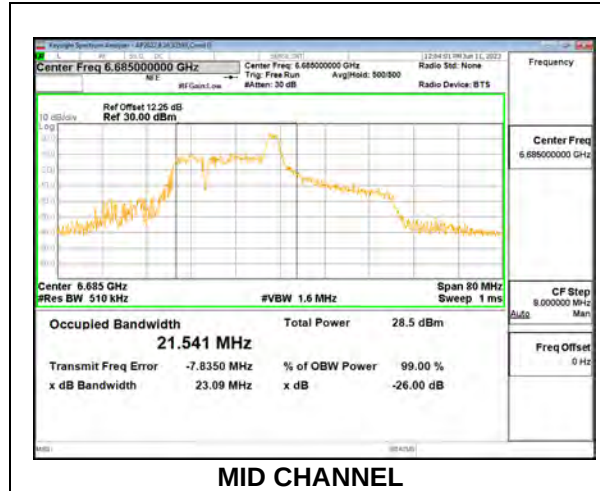
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	19.97	18.471
Mid	6685	19.92	17.537
High	6845	19.66	18.208



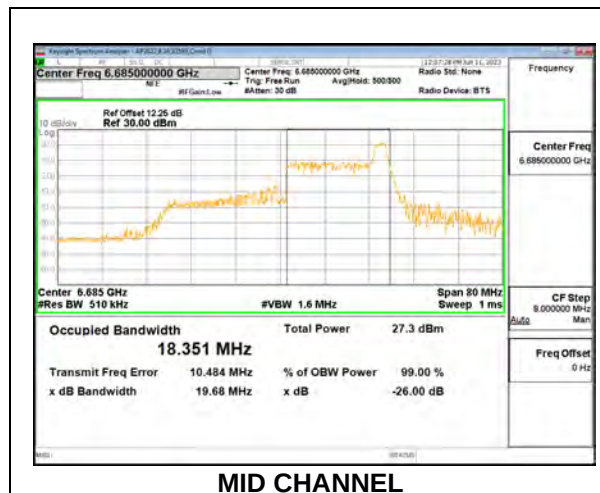
1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	23.19	21.498
Mid	6685	23.09	21.541
High	6845	24.04	21.290



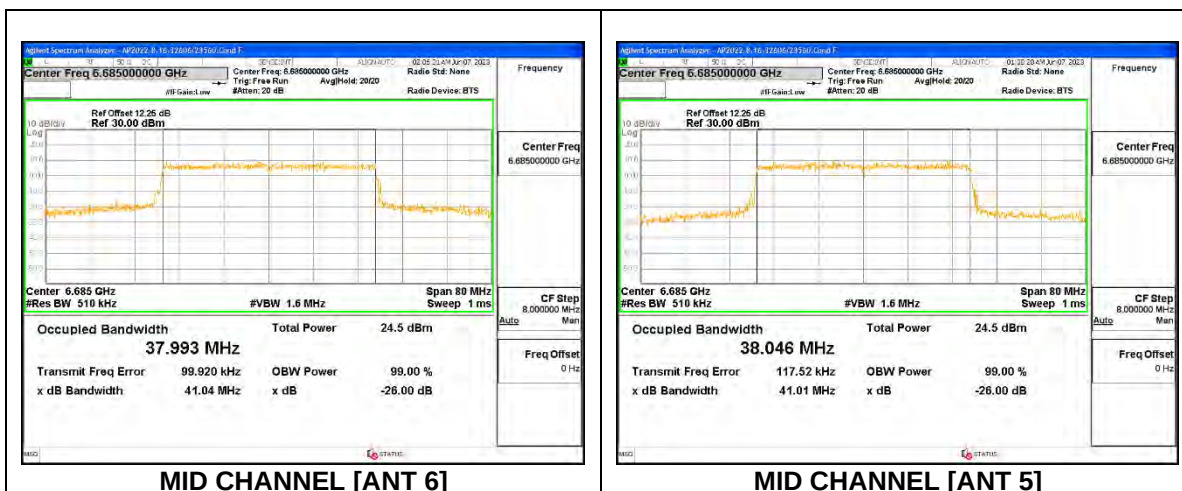
1TX Antenna 5 MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6565	20.59	18.655
Mid	6685	19.68	18.351
High	6845	20.75	18.791



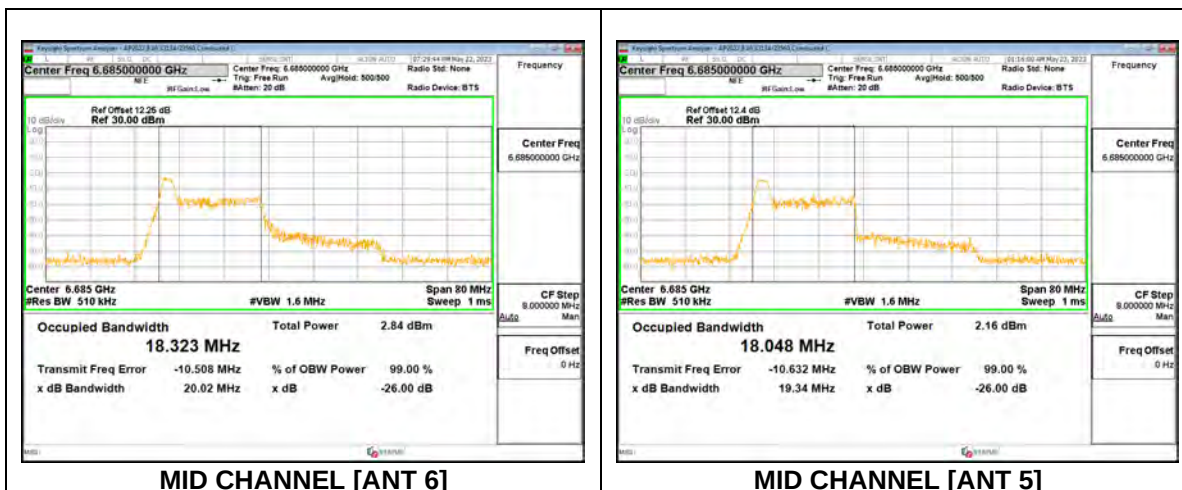
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	41.03	40.51	38.108	37.958
Mid	6685	41.04	41.01	37.993	38.046
High	6845	42.56	42.56	38.078	38.094



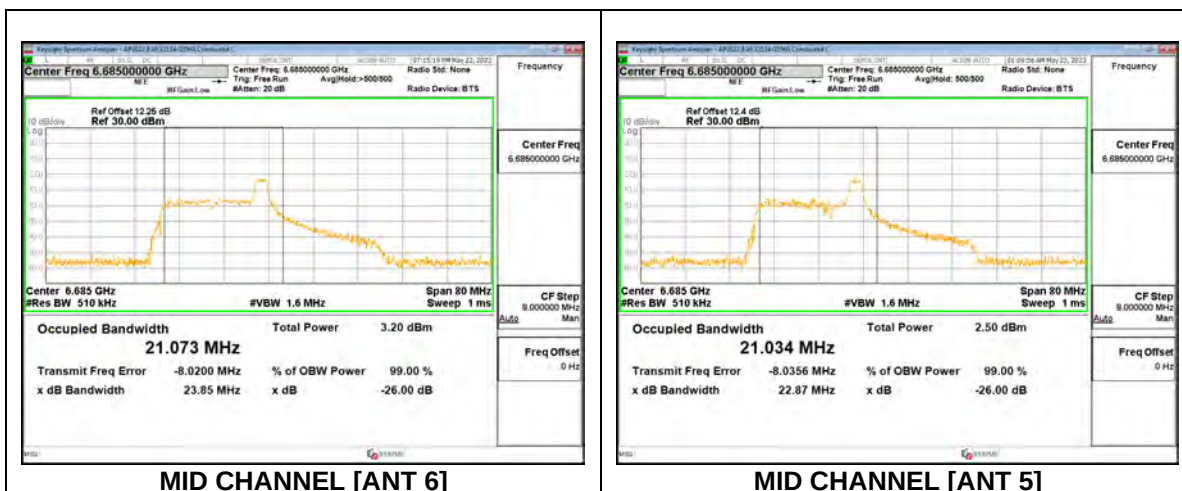
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	20.21	20.13	18.469	18.276
Mid	6685	20.02	19.34	18.323	18.048
High	6845	20.09	19.85	18.387	18.172



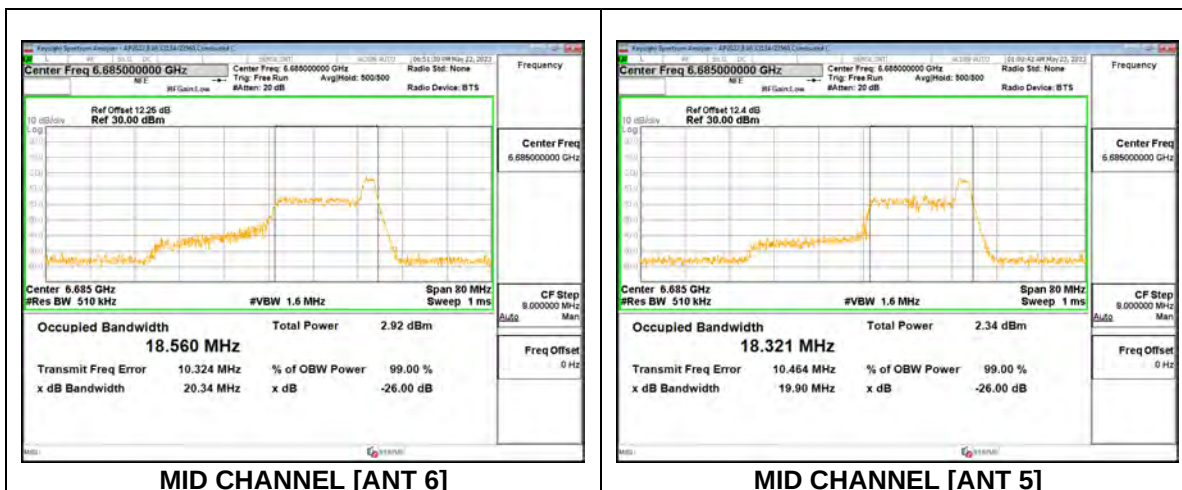
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	23.42	23.67	21.451	21.171
Mid	6685	23.85	22.87	21.073	21.034
High	6845	23.57	22.91	21.158	20.542



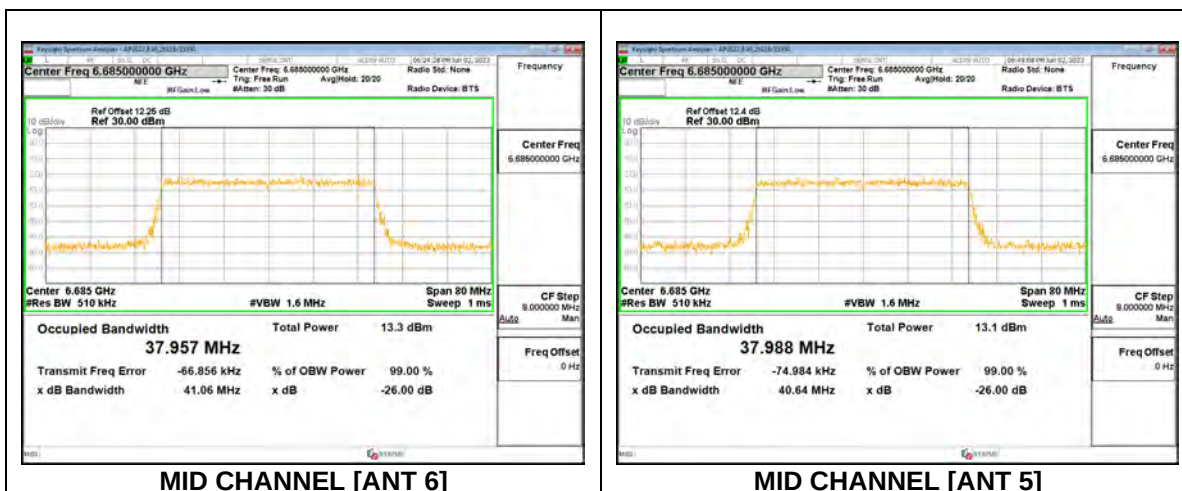
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	20.70	19.80	18.614	18.337
Mid	6685	20.34	19.90	18.560	18.321
High	6845	20.99	19.60	18.452	18.184



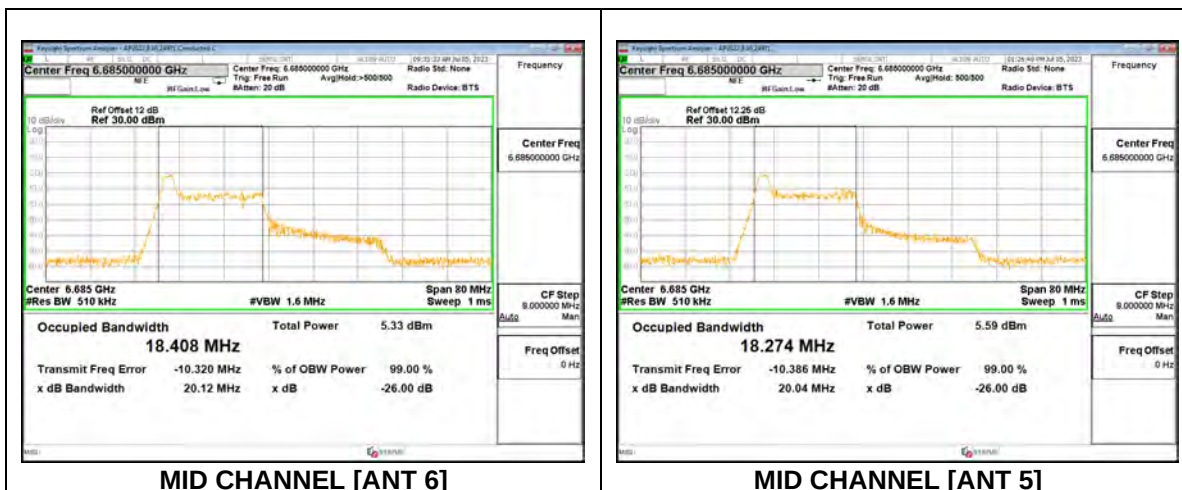
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	42.40	42.00	37.909	37.812
Mid	6685	41.06	40.64	37.957	37.988
High	6845	40.80	40.33	37.883	37.951



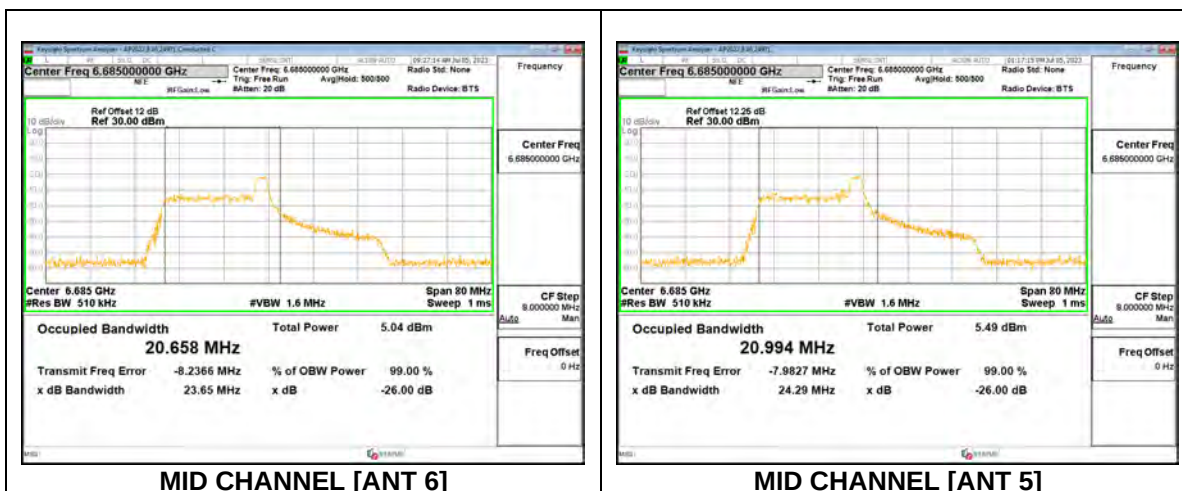
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	20.16	19.92	18.468	18.323
Mid	6685	20.12	20.04	18.408	18.274
High	6845	20.07	20.08	18.361	18.383



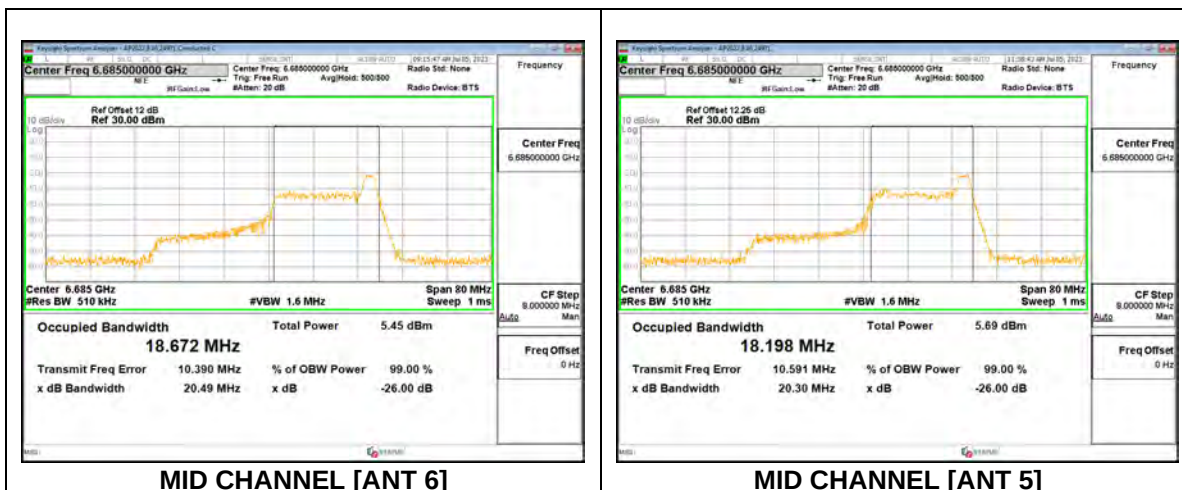
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	24.00	22.72	21.444	21.419
Mid	6685	23.65	24.29	20.658	20.994
High	6845	23.41	23.59	20.905	20.916



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 17

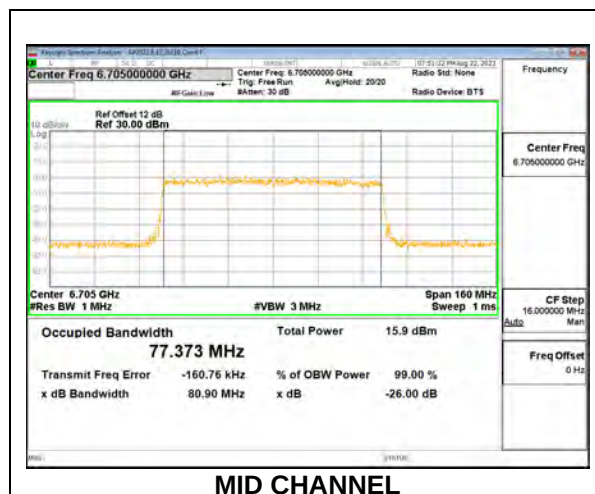
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6565	20.16	20.08	18.689	18.425
Mid	6685	20.49	20.30	18.672	18.198
High	6845	20.36	19.75	18.676	18.228



9.2.11. 802.11ax HE80 MODE IN THE UNII-7 BAND

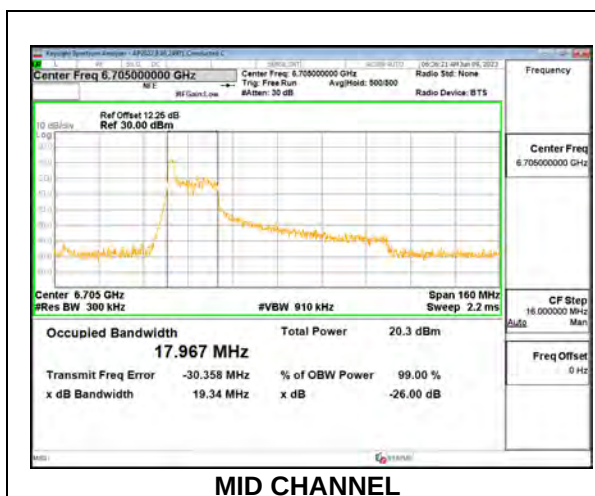
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	81.17	77.365
Low	6625	79.79	77.480
Mid	6705	80.90	77.373
High	6785	80.05	77.261
Straddle	6865	81.41	77.320



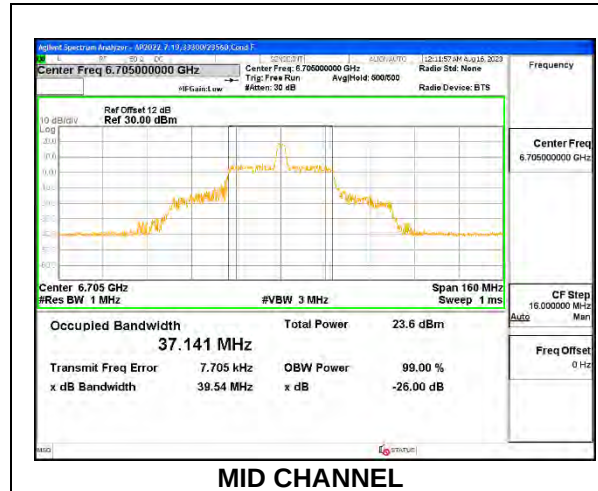
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	19.40	17.994
Low	6625	19.43	17.971
Mid	6705	19.34	17.967
High	6785	19.45	17.980
Straddle	6865	19.28	18.032



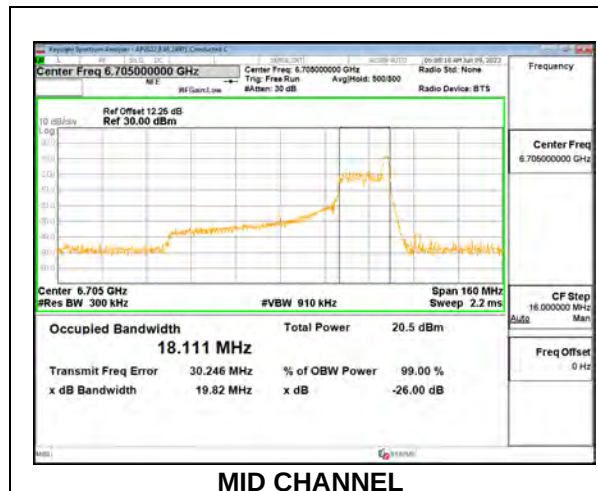
1TX Antenna 6 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	38.87	36.436
Low	6625	39.36	36.889
Mid	6705	39.54	37.141
High	6785	39.52	36.961
Straddle	6865	39.68	36.715



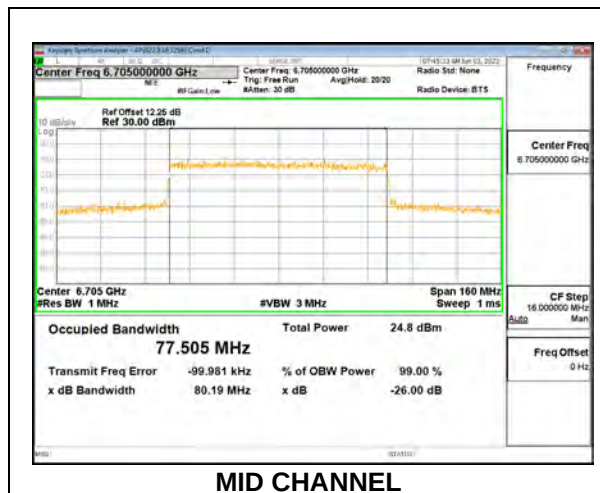
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	19.57	18.161
Low	6625	19.63	18.257
Mid	6705	19.82	18.111
High	6785	19.77	18.088
Straddle	6865	19.47	18.109



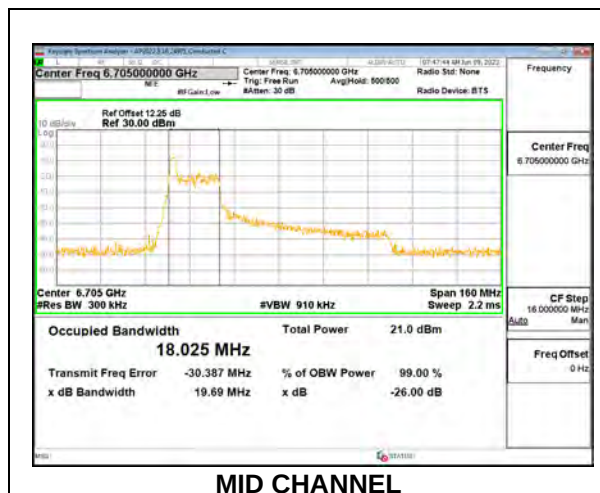
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	80.66	77.181
Low	6625	80.50	77.411
Mid	6705	80.19	77.505
High	6785	81.00	77.230
Straddle	6865	80.54	77.283



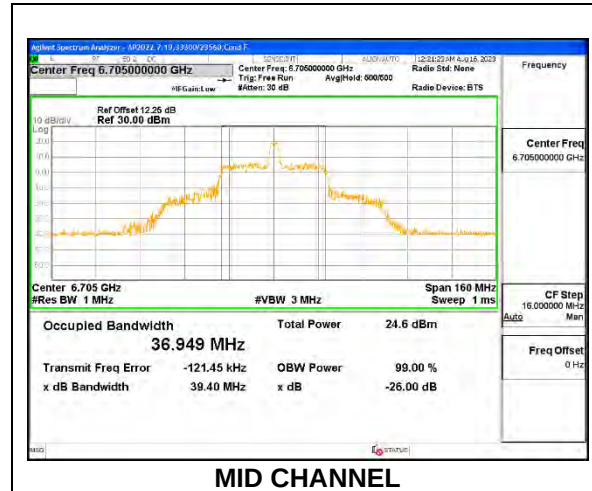
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	19.68	17.987
Low	6625	19.36	17.917
Mid	6705	19.69	18.025
High	6785	19.40	18.024
Straddle	6865	19.43	18.033



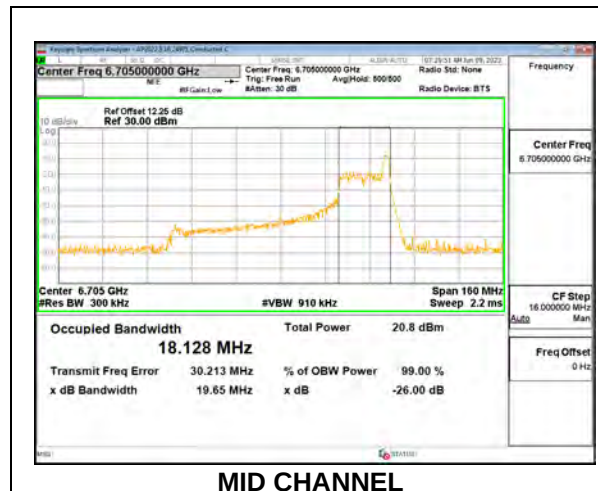
1TX Antenna 5 MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	39.68	39.916
Low	6625	39.38	37.398
Mid	6705	39.40	36.949
High	6785	38.23	36.200
Straddle	6865	39.36	36.782



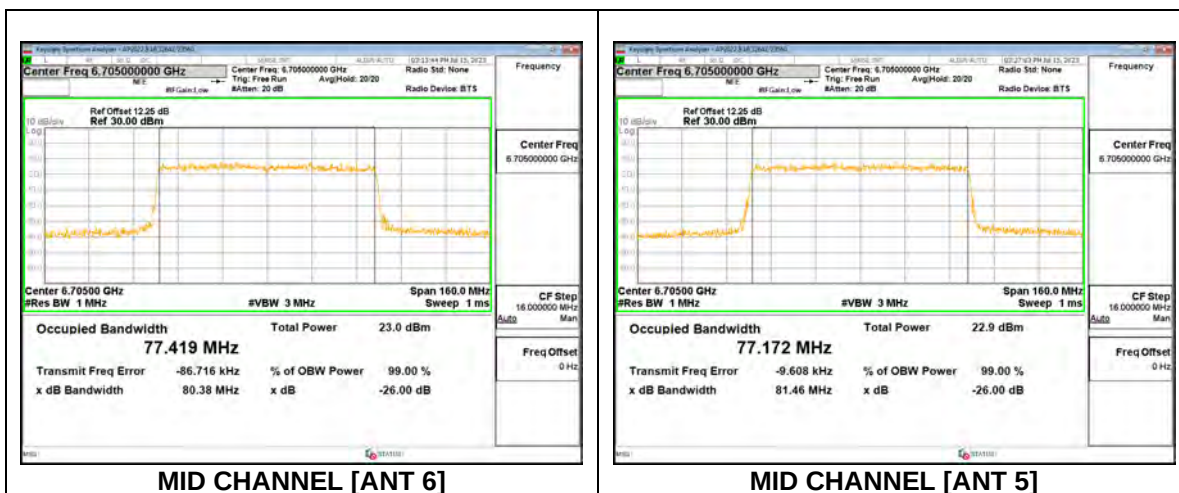
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6545	19.83	18.178
Low	6625	19.55	18.174
Mid	6705	19.65	18.128
High	6785	19.67	18.181
Straddle	6865	19.75	18.145



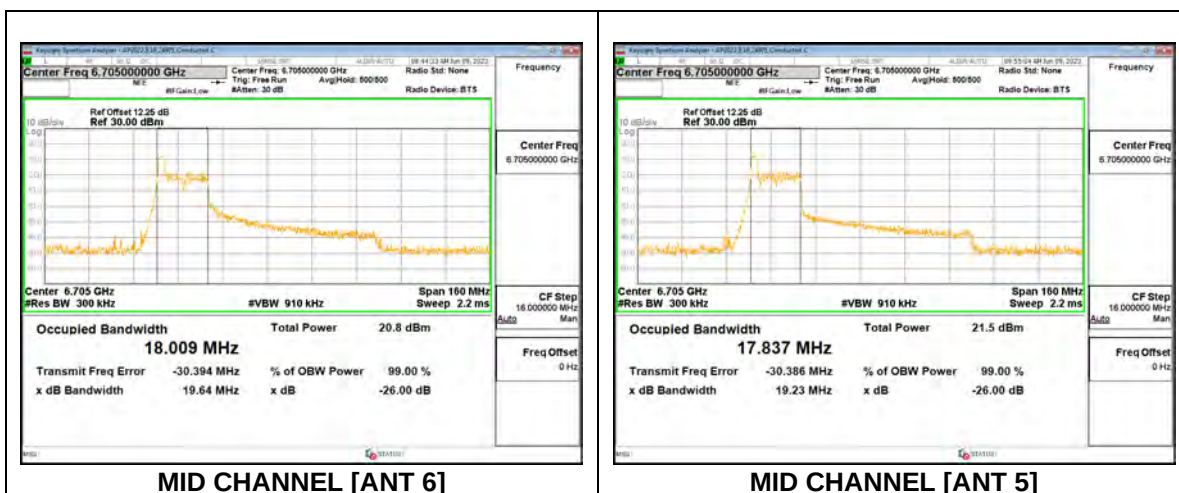
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	80.20	80.58	77.249	77.064
Low	6625	80.38	80.72	77.098	77.328
Mid	6705	80.38	81.46	77.419	77.172
High	6785	80.58	81.13	77.269	77.488
Straddle	6865	81.67	81.08	77.426	77.263



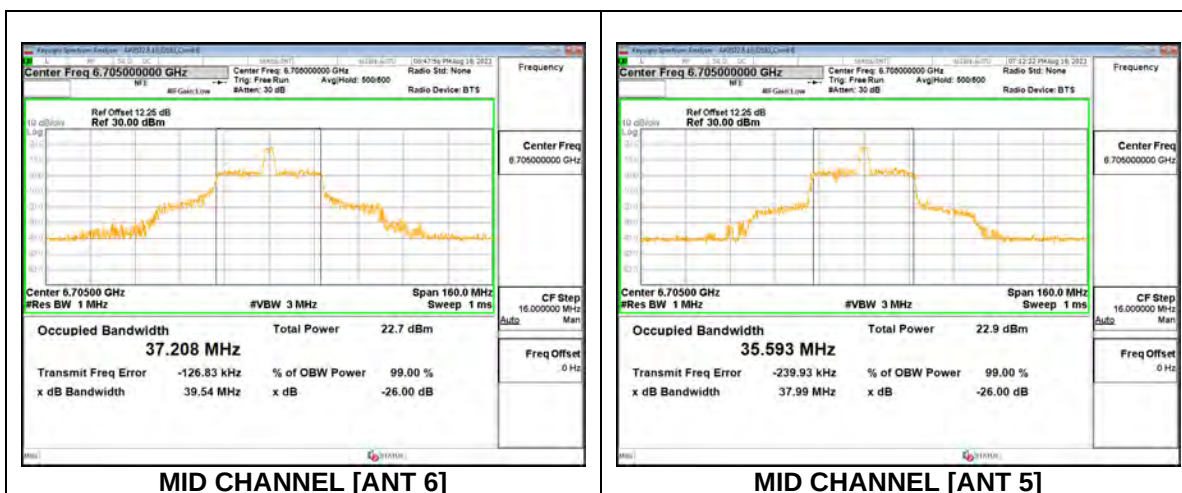
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	19.28	19.50	17.965	17.792
Low	6625	19.31	19.22	17.850	17.815
Mid	6705	19.64	19.23	18.009	17.837
High	6785	19.45	19.42	18.304	17.897
Straddle	6865	19.49	19.25	18.061	17.865



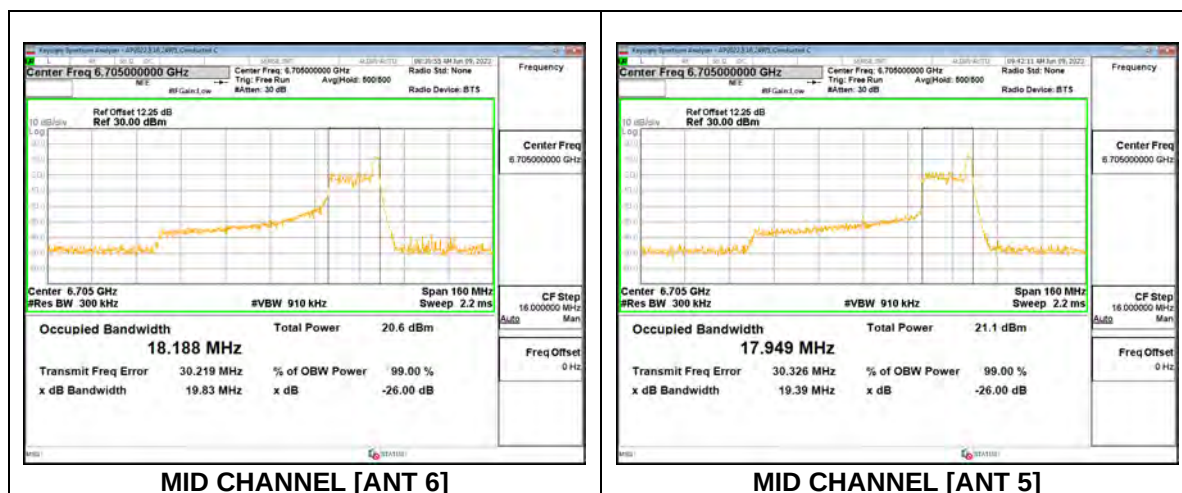
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	39.47	38.63	37.032	36.176
Low	6625	38.92	38.76	36.582	36.062
Mid	6705	39.54	37.99	37.208	35.593
High	6785	40.78	38.61	36.758	36.227
Straddle	6865	39.79	38.52	37.076	36.439



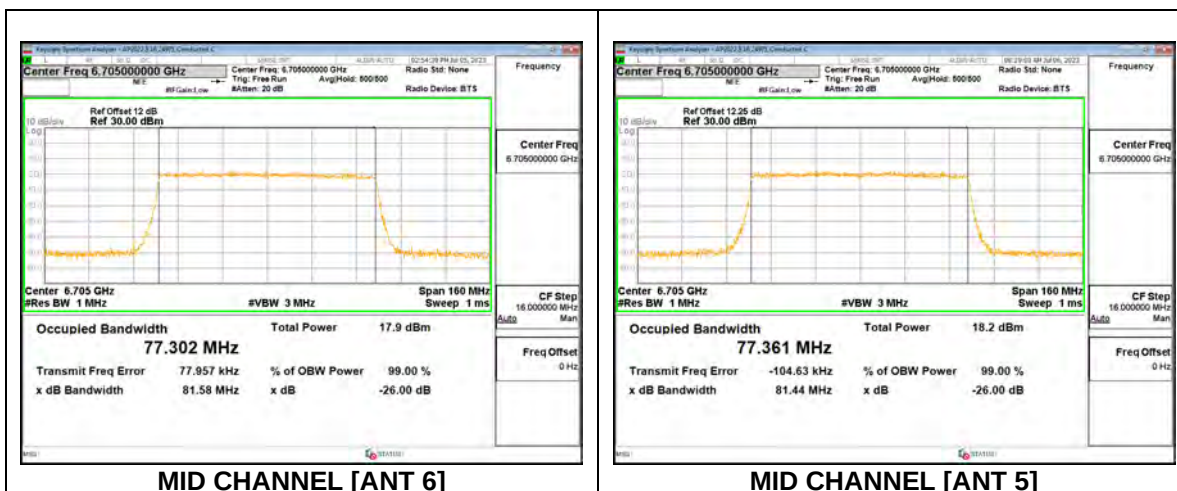
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	19.25	19.27	18.000	17.913
Low	6625	19.64	19.36	18.072	17.927
Mid	6705	19.83	19.39	18.188	17.949
High	6785	19.17	19.21	18.085	17.906
Straddle	6865	19.47	19.02	18.059	17.910



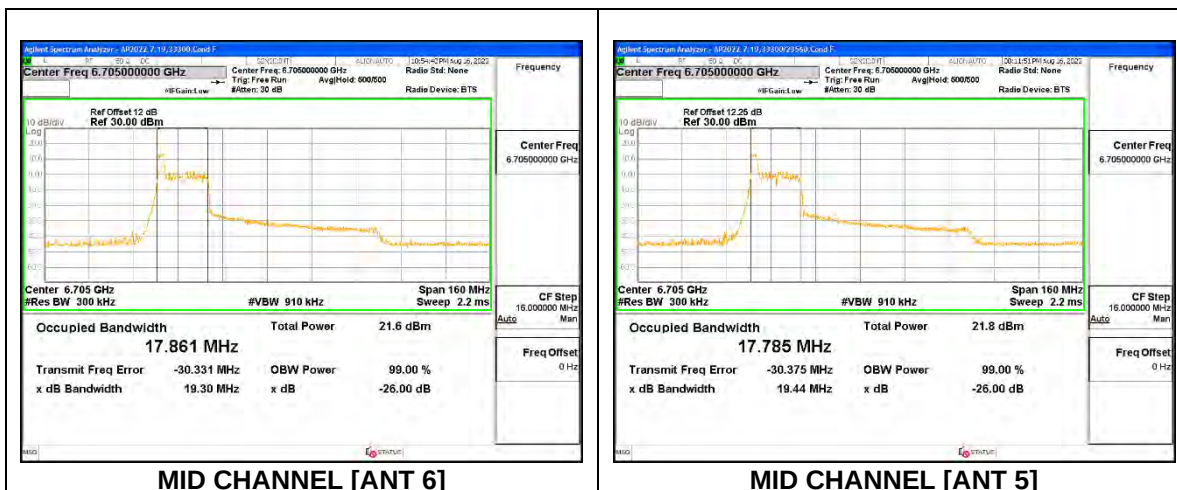
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	80.38	81.48	77.181	77.197
Mid	6705	81.58	81.44	77.302	77.361
Straddle	6865	80.67	81.30	77.331	77.321



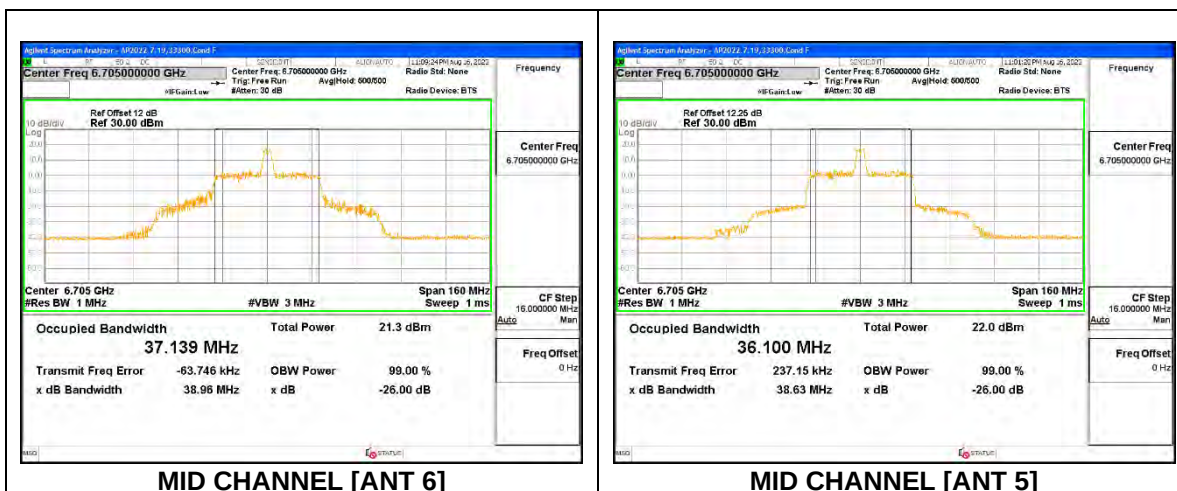
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	19.56	19.44	18.002	17.819
Mid	6705	19.30	19.44	17.861	17.785
Straddle	6865	19.47	19.21	17.967	17.912



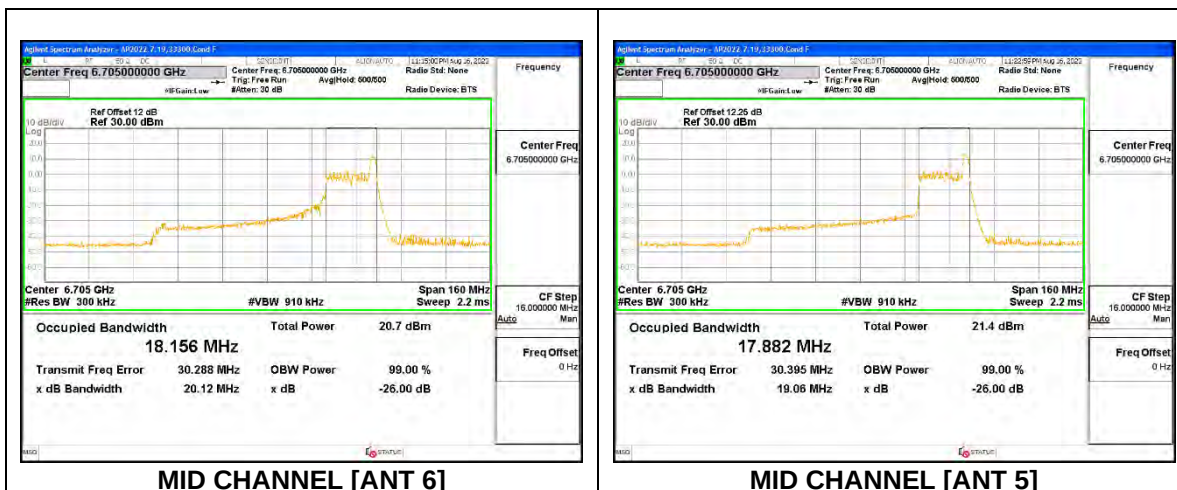
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	39.45	38.50	36.826	36.364
Mid	6705	38.96	38.63	37.139	36.100
Straddle	6865	39.42	38.69	37.106	36.497



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

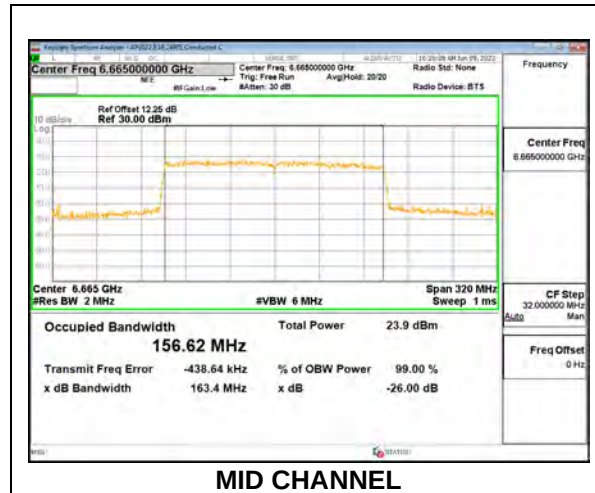
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Straddle	6545	19.82	19.36	18.139	17.972
Mid	6705	20.12	19.06	18.156	17.882
Straddle	6865	19.87	19.14	18.173	17.964



9.2.12. 802.11ax HE160 MODE IN THE UNII-7 BAND

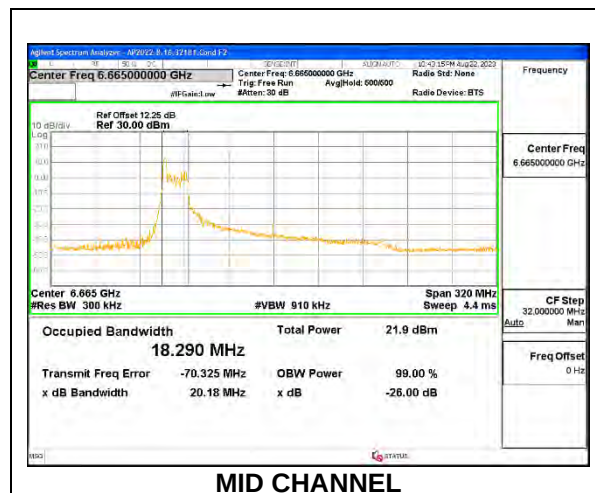
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	163.40	156.620
Straddle	6825	165.90	156.940



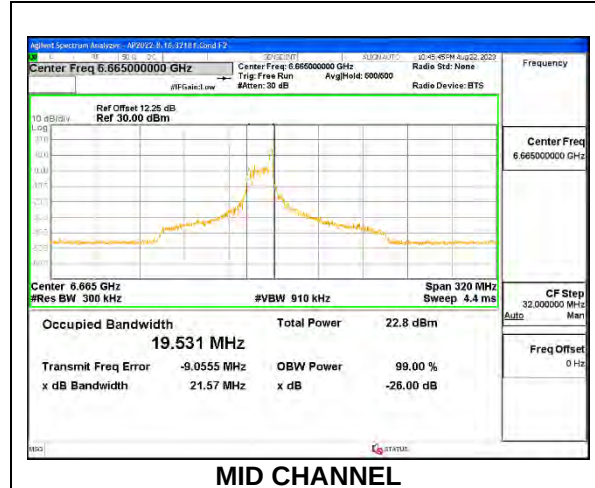
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	20.18	18.290
Straddle	6825	20.12	18.179



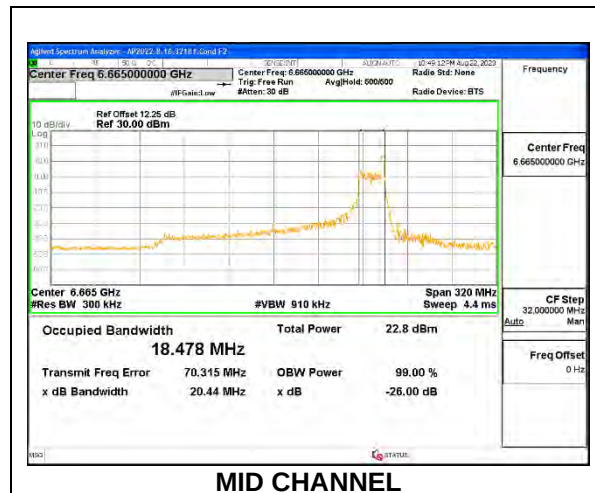
1TX Antenna 6 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	21.57	19.531
Straddle	6825	21.35	19.525



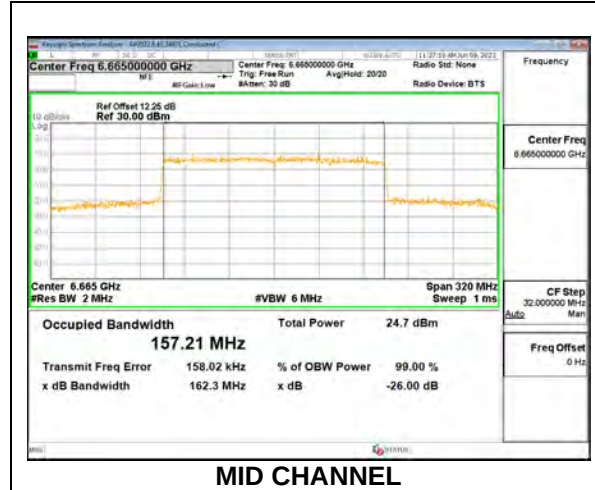
1TX Antenna 6 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	20.44	18.478
Straddle	6825	20.20	18.389



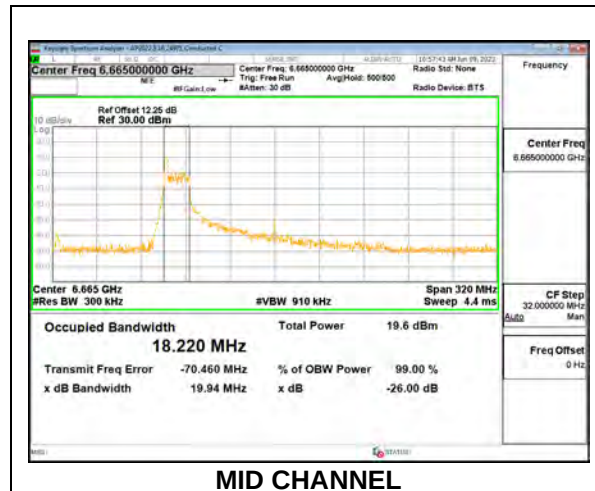
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	162.30	157.210
Straddle	6825	165.90	156.940



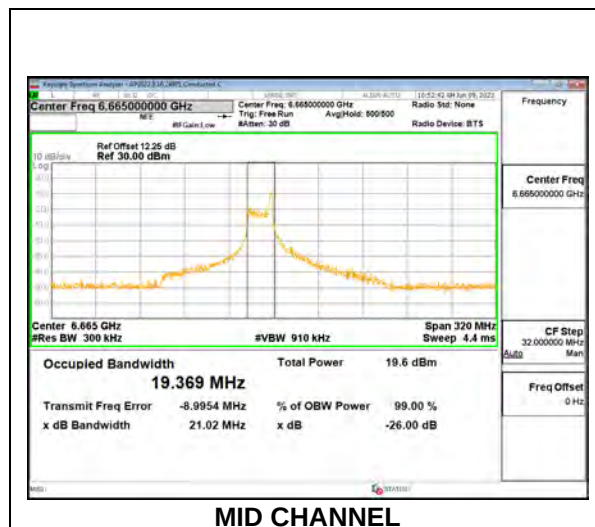
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	19.94	18.220
Straddle	6825	20.12	18.179



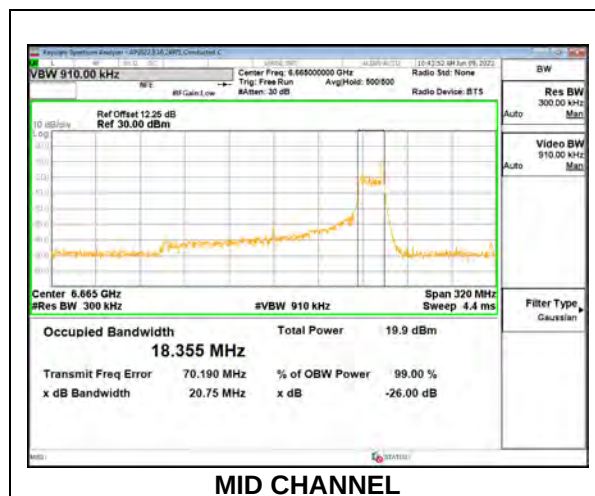
1TX Antenna 5 MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	21.02	19.369
Straddle	6825	21.35	19.525



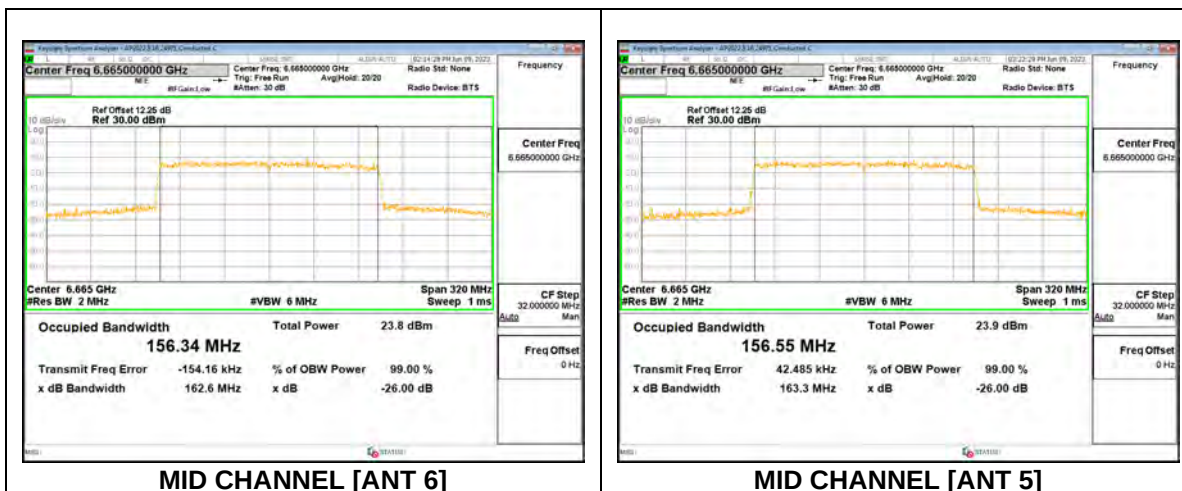
1TX Antenna 5 MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Mid	6665	20.75	18.355
Straddle	6825	20.20	18.389



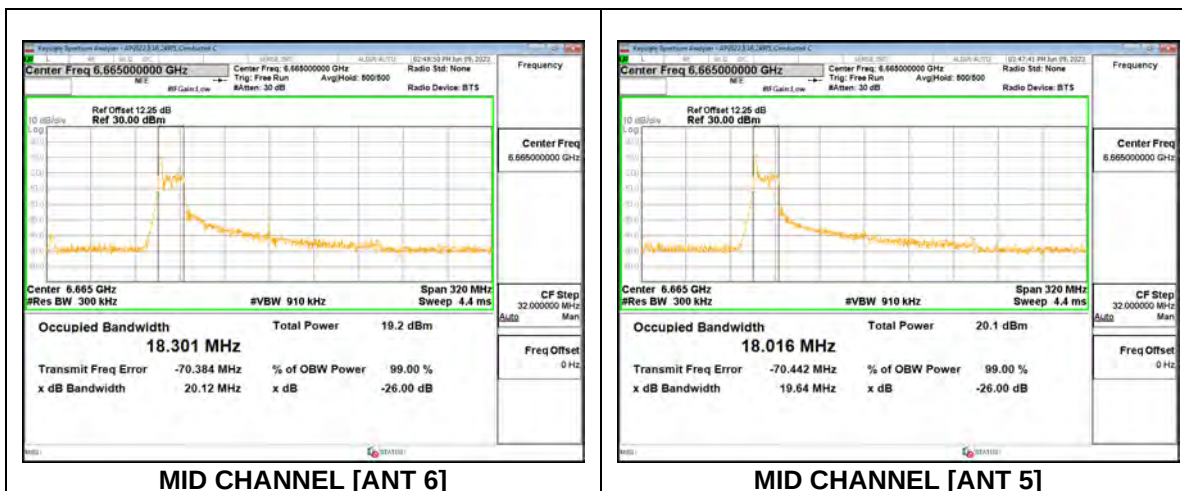
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	162.60	163.30	156.340	156.550
Straddle	6825	161.60	162.30	156.420	157.070



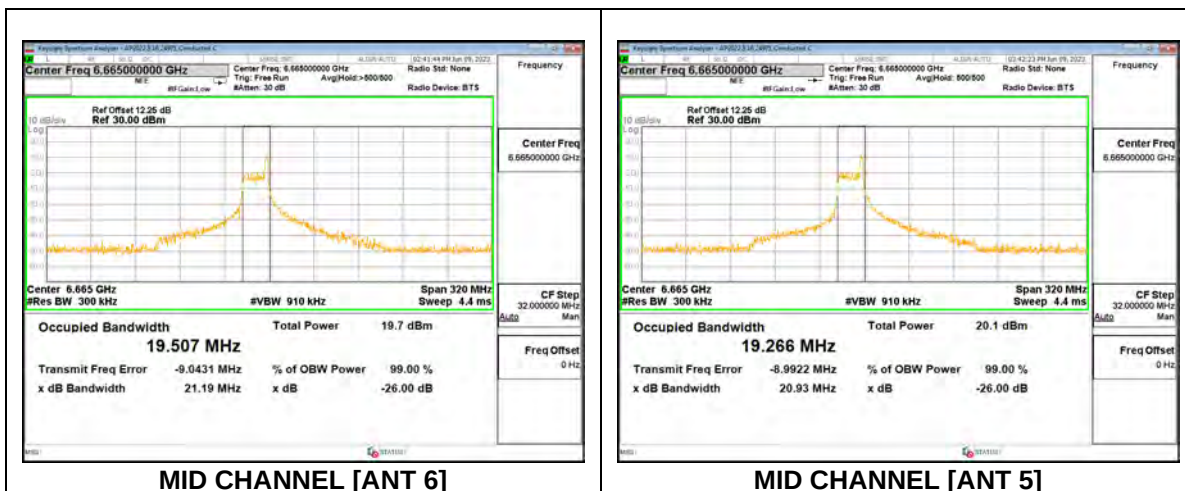
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	20.12	19.64	18.301	18.016
Straddle	6825	20.00	19.44	18.170	17.959



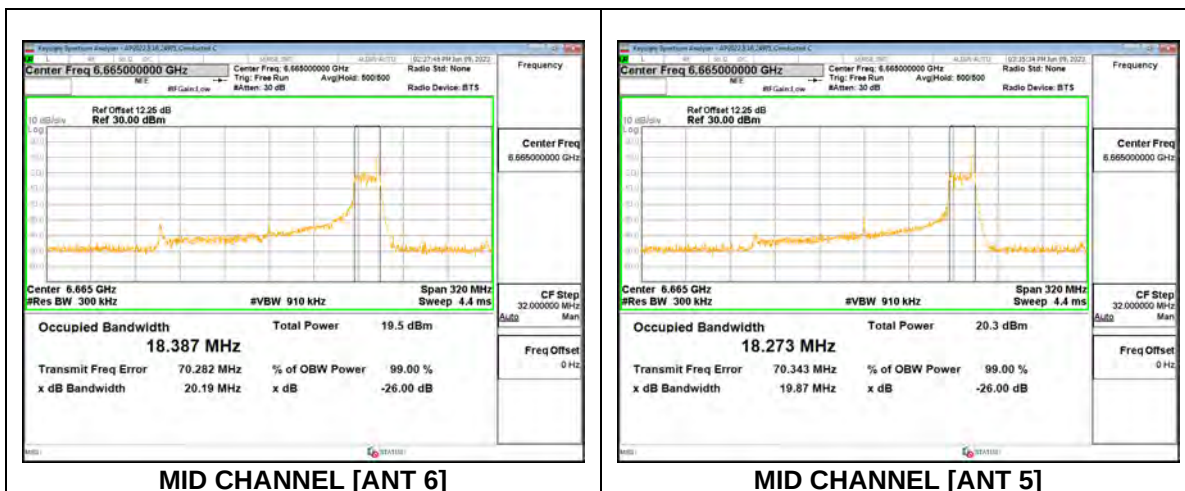
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	21.19	20.93	19.507	19.266
Straddle	6825	21.64	20.96	19.709	19.256



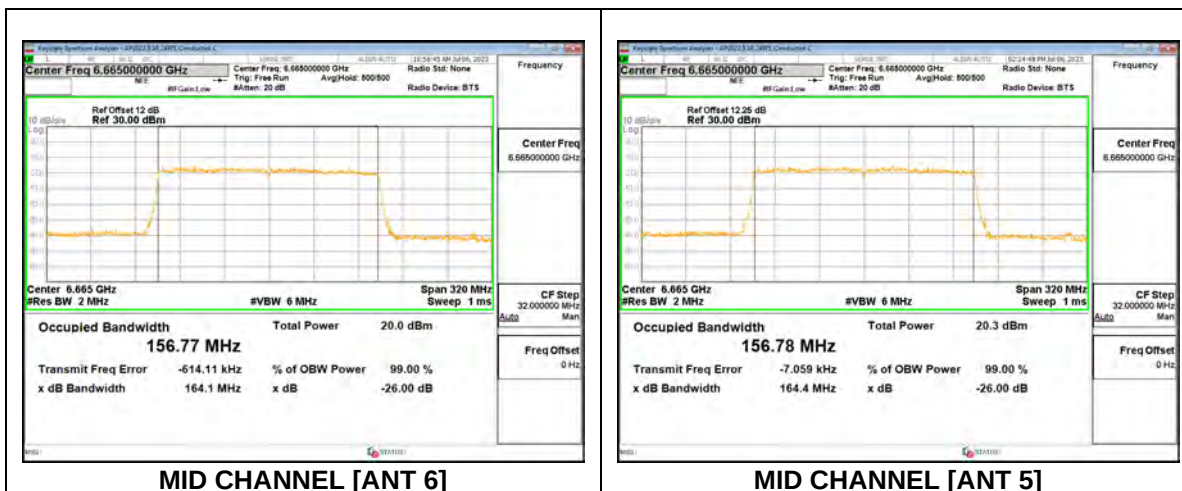
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index S36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	20.19	19.87	18.387	18.273
Straddle	6825	20.30	19.71	18.631	18.130



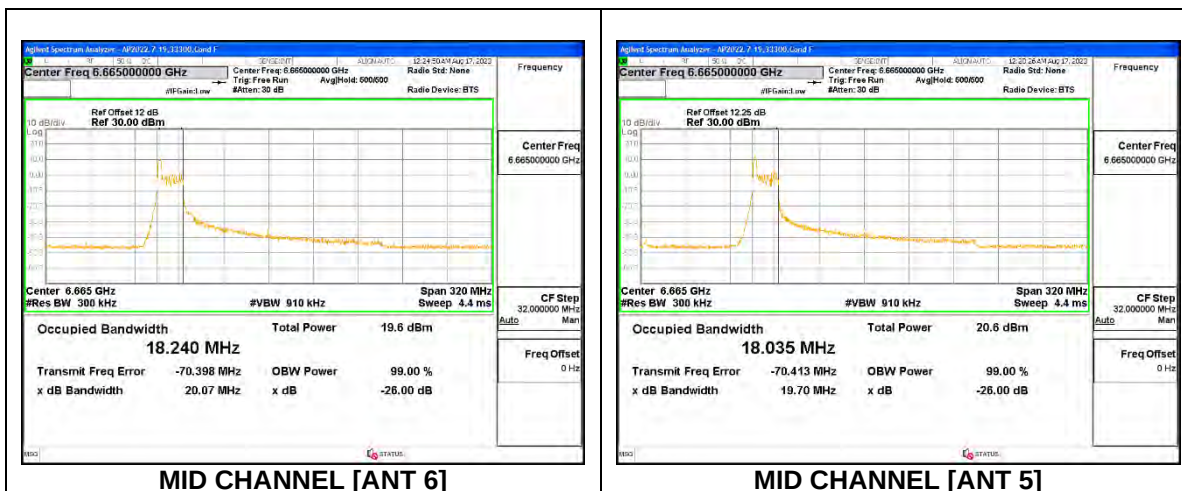
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	164.10	164.40	156.770	156.780
Straddle	6825	165.10	164.00	156.730	156.670



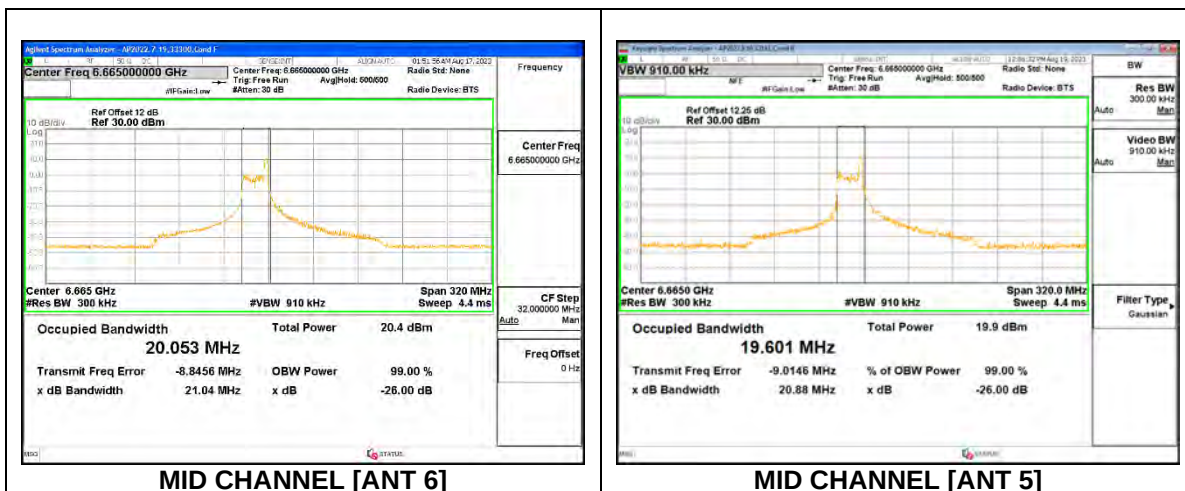
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	20.07	19.70	18.240	18.035
Straddle	6825	20.00	19.17	18.167	17.941



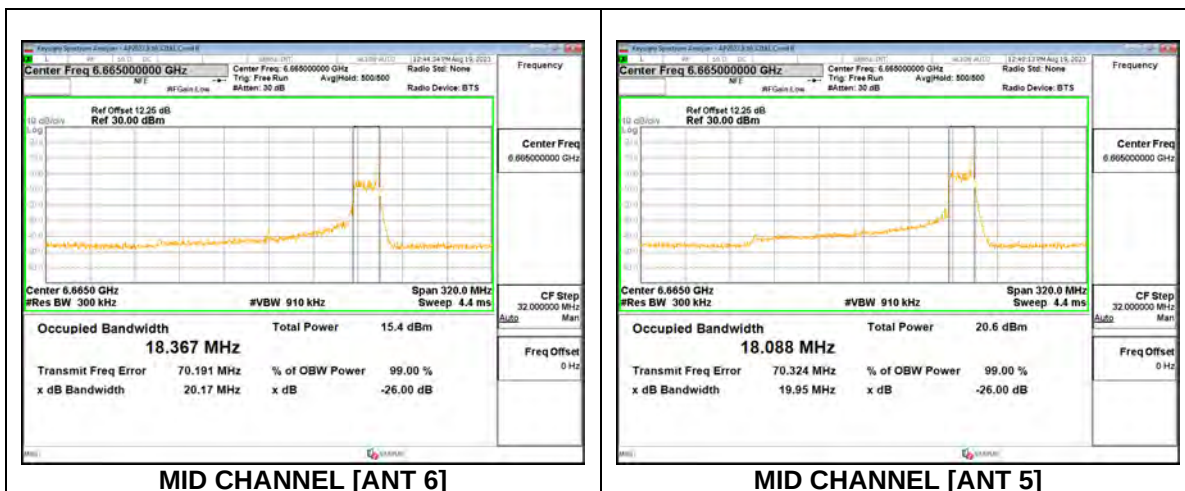
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	21.04	20.88	20.053	19.601
Straddle	6825	22.06	20.46	19.447	19.431



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index S36

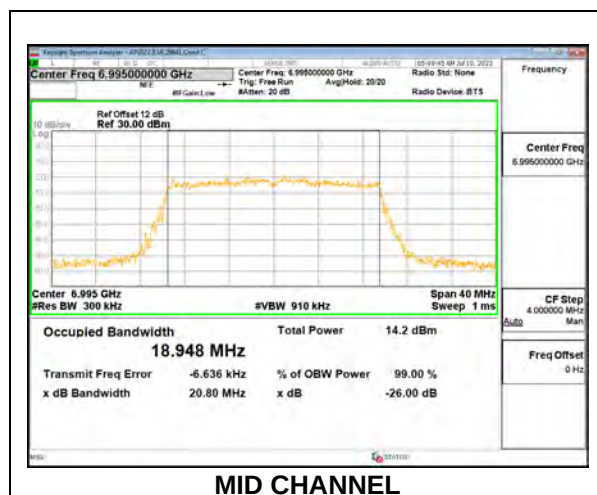
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Mid	6665	20.17	19.95	18.367	18.088
Straddle	6825	20.06	19.75	18.437	18.171



9.2.13. 802.11ax HE20 MODE IN THE UNII-8 BAND

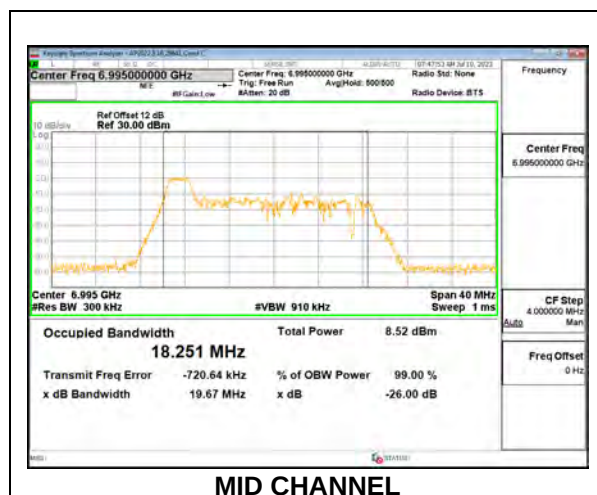
1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	20.54	18.965
Mid	6995	20.80	18.948
High	7095	20.86	19.034
233	7115	20.73	19.000



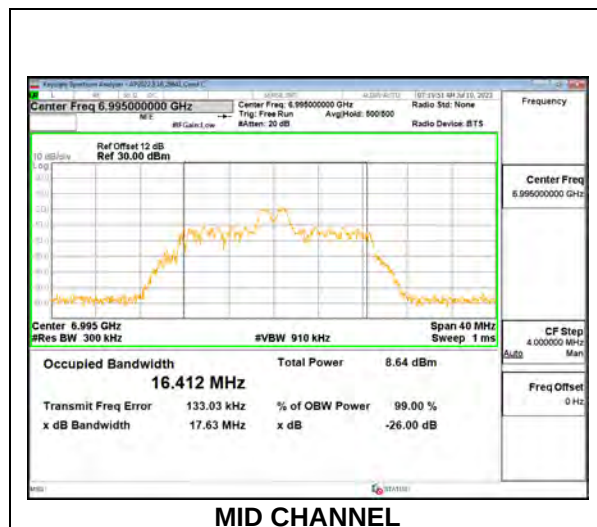
1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	19.77	18.360
Mid	6995	19.67	18.251
High	7095	19.66	18.222



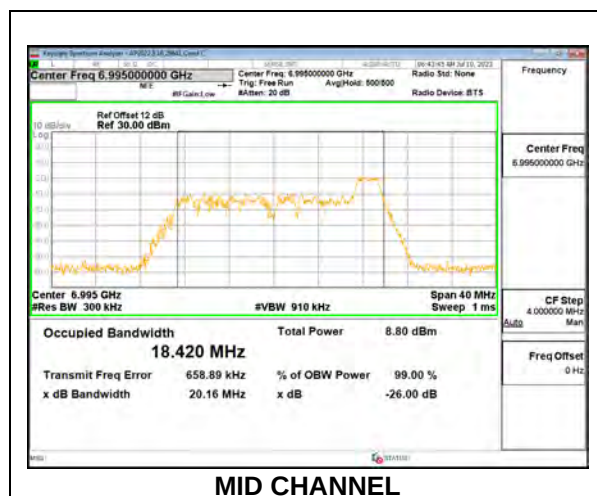
1TX Antenna 6 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	18.61	16.868
Mid	6995	17.63	16.412
High	7095	18.53	16.971



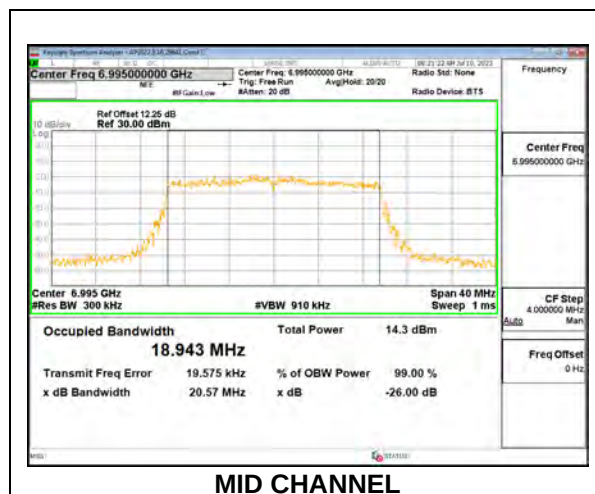
1TX Antenna 6 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	18.93	17.512
Mid	6995	20.16	18.420
High	7095	20.15	18.458



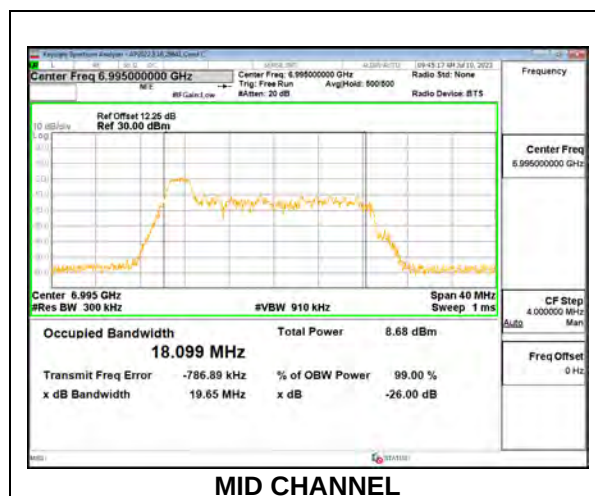
1TX Antenna 5 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	20.78	18.946
Mid	6995	20.57	18.943
High	7095	20.67	18.997
233	7115	20.69	18.894



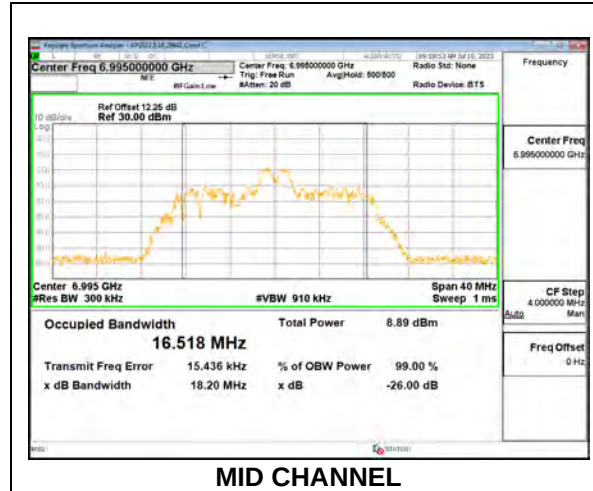
1TX Antenna 5 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	19.65	18.305
Mid	6995	19.65	18.099
High	7095	19.73	18.305



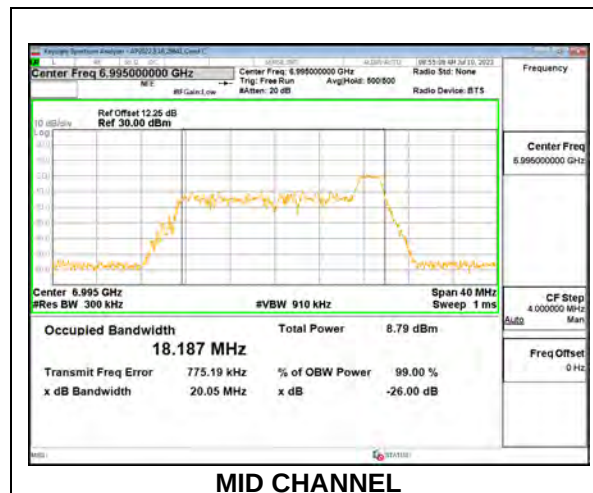
1TX Antenna 5 MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	18.46	16.736
Mid	6995	18.20	16.518
High	7095	18.51	16.989



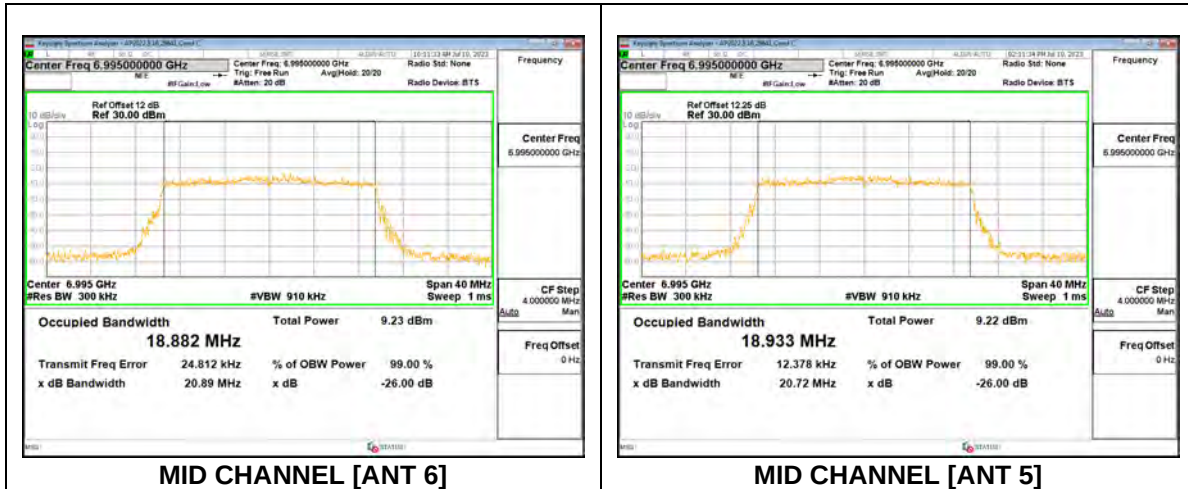
1TX Antenna 5 MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	6895	19.62	18.178
Mid	6995	20.05	18.187
High	7095	19.88	18.445



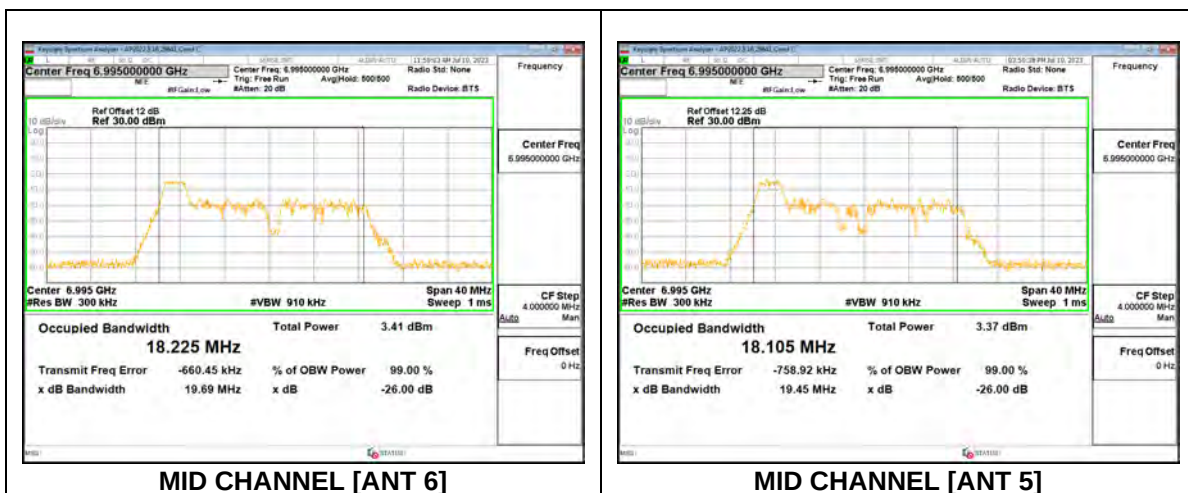
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	20.30	20.78	18.881	18.901
Mid	6995	20.89	20.72	18.882	18.933
High	7095	21.05	20.57	18.962	18.999
233	7115	20.86	20.75	18.938	18.944



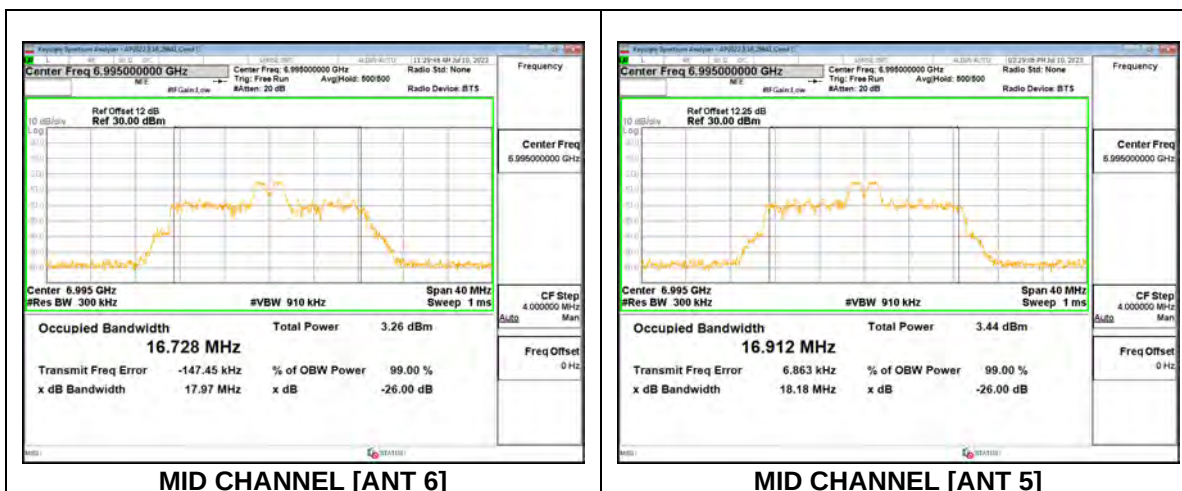
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	19.49	19.72	18.207	18.212
Mid	6995	19.69	19.45	18.225	18.105
High	7095	19.71	19.74	18.316	18.239



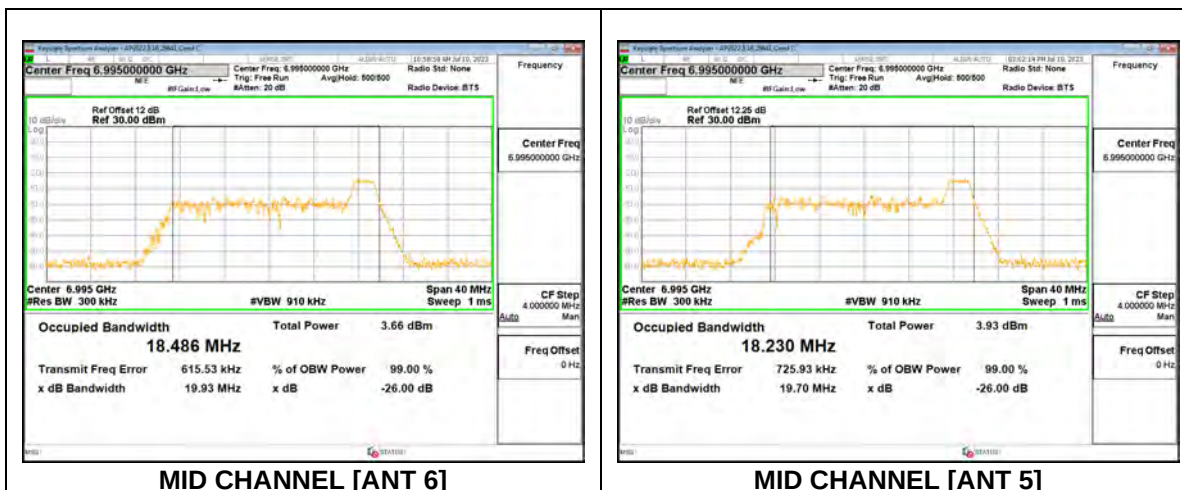
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	18.11	18.08	16.866	16.770
Mid	6995	17.97	18.18	16.728	16.912
High	7095	18.55	18.25	16.867	16.903



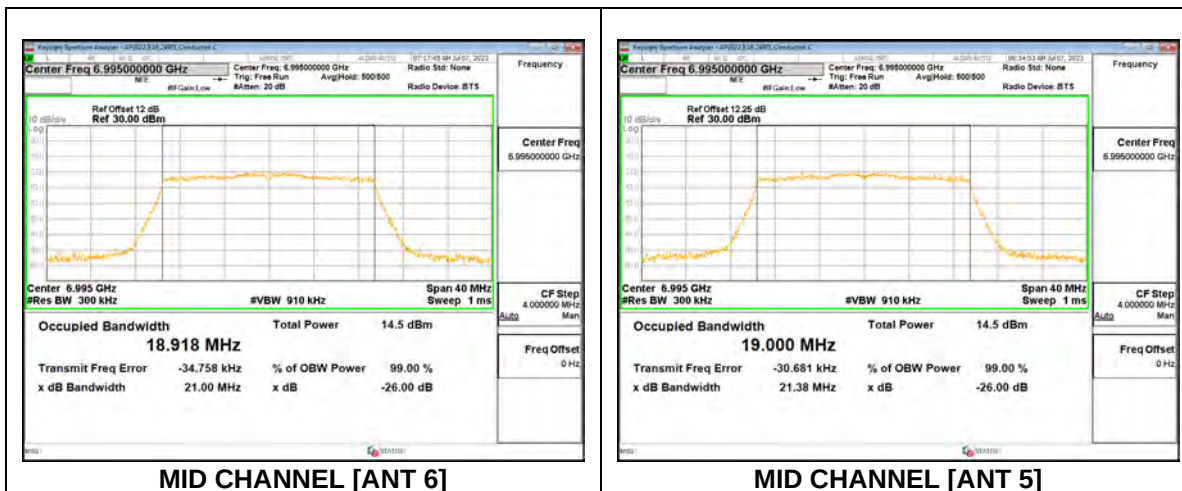
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	19.52	19.52	18.008	18.196
Mid	6995	19.93	19.70	18.486	18.230
High	7095	20.16	19.72	18.525	18.341



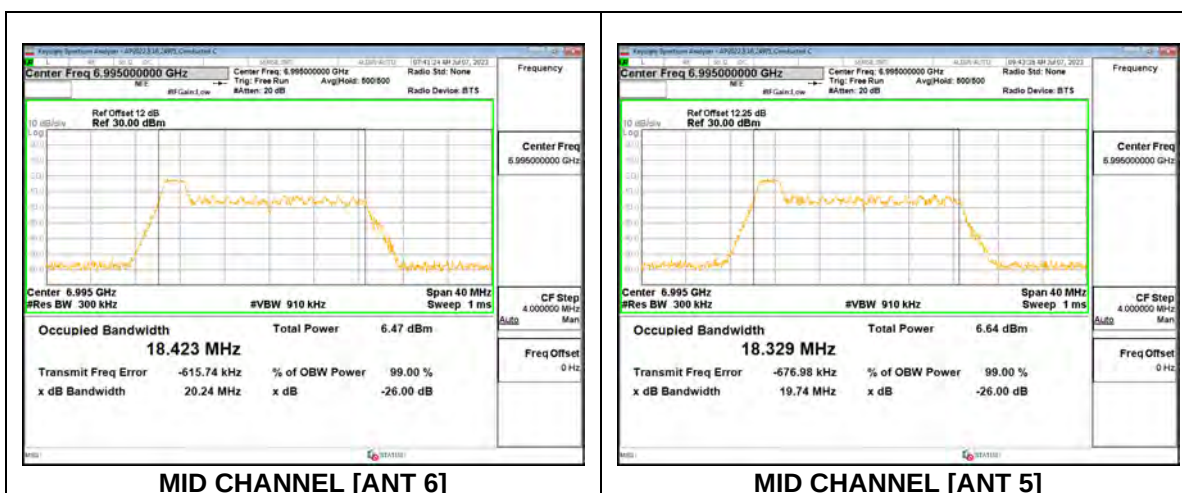
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	20.93	20.99	18.982	18.967
Mid	6995	21.00	21.38	18.918	19.000
High	7095	21.27	21.34	19.039	19.041
233	7115	21.16	20.93	18.991	18.962



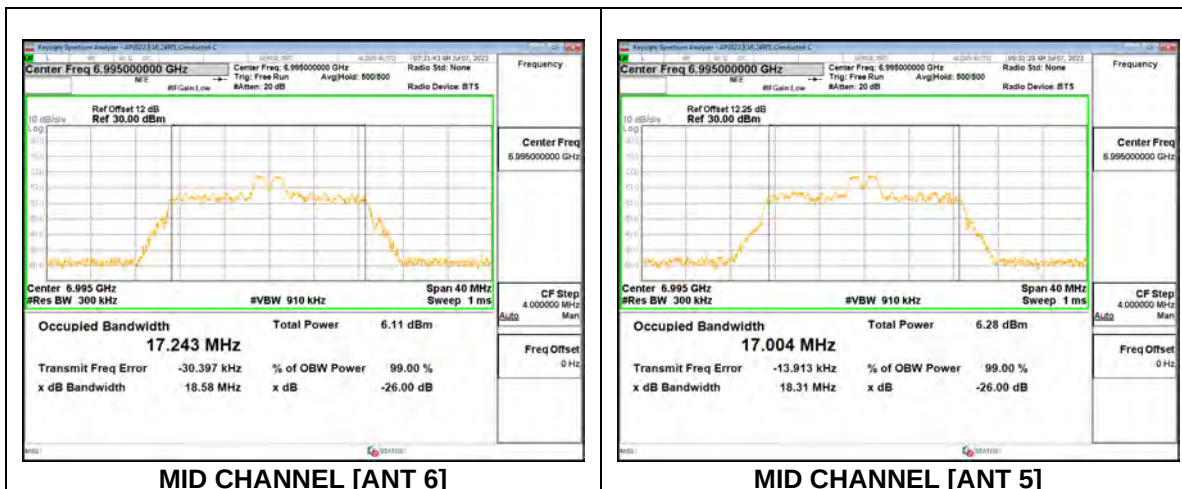
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	20.19	19.88	18.356	18.375
Mid	6995	20.24	19.74	18.423	18.329
High	7095	19.05	19.78	18.304	18.222



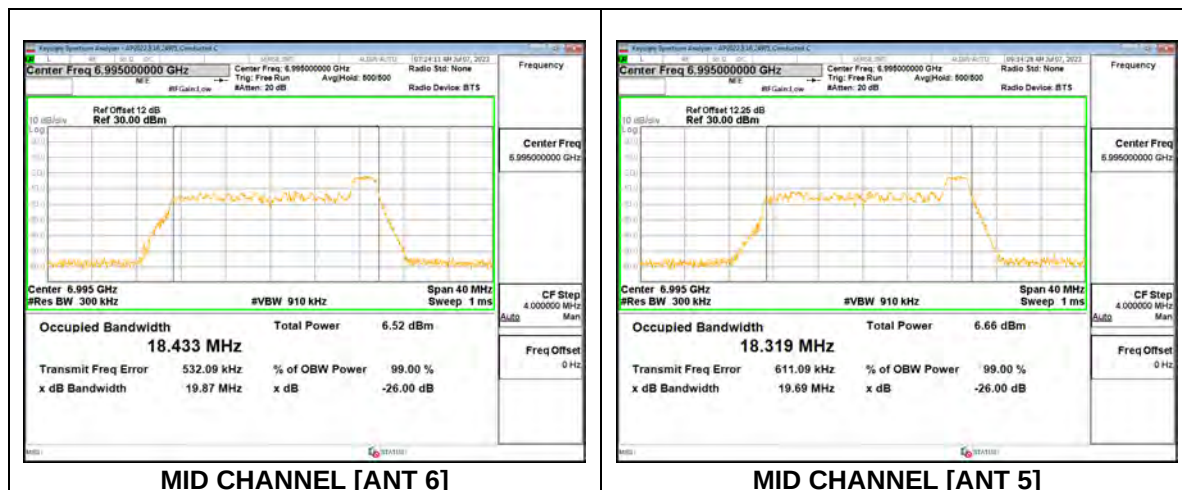
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	18.59	18.07	17.264	16.672
Mid	6995	18.58	18.31	17.243	17.004
High	7095	17.84	18.04	16.990	16.748



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

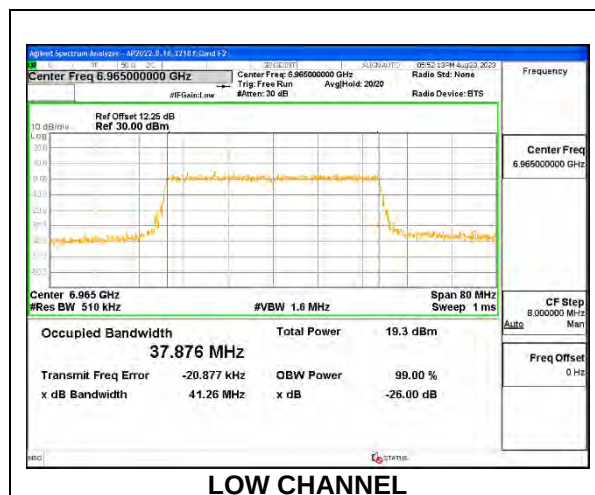
Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 5 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	6895	19.98	19.80	18.449	18.401
Mid	6995	19.87	19.69	18.433	18.319
High	7095	19.25	19.06	18.366	18.402



9.2.14. 802.11ax HE40 MODE IN THE UNII-8 BAND

1TX Antenna 6 MODE: SU, Single User

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6885	40.74	37.935
Low	6965	41.26	37.876
High	7085	41.30	38.014



1TX Antenna 6 MODE: 26-Tone, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Straddle	6885	19.80	18.338
Low	6965	19.66	18.234
High	7085	20.20	18.248

