

TEST REPORT

Report Number: 14749497-E7V2

Applicant : eero LLC
660 3rd Street 4th Floor
San Francisco, CA 94107, U.S.A.

Model : V010001

Brand : eero

FCC ID : 2AEM4-711917312

IC : 20631-711917312

EUT Description : Wireless Access Point

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
ISED RSS-248 ISSUE 2
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2023-09-14	Initial Issue	---
V2	2023-09-19	Updated power limit	Tina Chu

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: eero LLC
660 3rd Street 4th Floor
San Francisco, CA 94107, U.S.A.

EUT DESCRIPTION: Wireless Access Point

MODEL: V010001

BRAND: eero

SERIAL NUMBER: Radiated: GGB2-1E06-3237-0089, GGB2-1E04-3062-004P,
GGB2-1E08-3287-0037
Conducted: GGB2-1E04-3057-00DA, GGB2-1E06-3237-OOBQ

SAMPLE RECEIPT DATE: 2023-04-05

DATE TESTED: 2023-04-17 to 2023-08-30

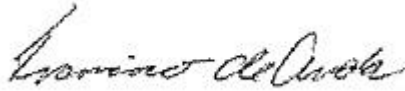
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART E	Complies
ISED RSS-248 ISSUE 2	Complies
ISED RSS-GEN ISSUE 5 + A1 + A2	Complies

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.

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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 6.5)
- 2) Cable Loss (see section 6.5)

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment	See Comment	Duty Cycle	Reporting purposes only	ANSI C63.10 Section 12.2
See Comment	RSS-GEN 6.7	99% BW	Reporting purposes only	ANSI C63.10 Section 6.9.3
§15.407 (a) (10)	See Comment	26dB BW	Compliant	None.
§15.407 (a) (5),	RSS-248 4.5.3, 4.5.5	Output Power e.i.r.p.	Compliant	LPI AP device.
§15.407 (a) (5)	RSS-248 4.5.3, 4.5.5	PSD e.i.r.p	Compliant	LPI AP device.
§15.407 (b) (6)	RSS-248 4.6.2(a)	Emissions outside 5.925-7.125 GHz band	Compliant	None
§15.407 (b) 7)	RSS-248 4.6.2(b)	Emissions within 5.925-7.125 GHz Band(Emissions Mask)	Compliant	None
§15.205	RSS-GEN 8.10	Unwanted emissions in restricted bands	Compliant	None
§15.209	RSS-GEN 8.9	Radiated Spurious Emissions	Compliant	None
§15.207	RSS-GEN 8.8	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 Multiple Transmitter Output v02r01
- FCC KDB 789033 D02 v02r01
- FCC KDB 987594 D01 General Requirements v01r03
- FCC KDB 987594 D02 EMC Measurement v01
- ANSI C63.10-2013
- RSS-GEN Issue 5 + A1 + A2
- RSS-248 Issue 2

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
<input checked="" type="checkbox"/>	Building 1: 47173 Benicia Street Fremont, CA 94538, U.S.A	US0104	2324A	550739
<input type="checkbox"/>	Building 2: 47266 Benicia Street Fremont, CA 94538, U.S.A			
<input checked="" type="checkbox"/>	Building 4: 47658 Kato Rd Fremont, CA 94538, U.S.A			

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 foLLOW CHANNELING measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Power Spectral Density	2.47 dB
RF Power Measurement Direct Method Using Power Meter	1.3 dB (PK) / 0.45 dB (AV)
Unwanted Emissions, Conducted	1.94 dB
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 foLLOW CHANNELing 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 foLLOW CHANNELing 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 EUT is a low power indoor Access Point that supports 802.11 a/b/g/n/ac/ax/be Wifi, BLE 1Mbps/2Mbps and 802.15.4 technologies.

This report covers ax/be 6GHz Wifi radio.

6.2. CLASS II PERMISSIVE CHANGE DESCRIPTION

This Class II Permissive Change is to add additional UNII bands 2A, 2C, 5, 6, 7, 8. No hardware changes were done. This change is done via software only.

6.3. EUT DEVICE CLASS

EUT is of the following channeling device class:

	U-NII Bands of Operation			
	5	6	7	8
LPI AP (6ID), (Category 1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

6.4. MAXIMUM OUTPUT POWER

The transmitter has a maximum e.i.r.p. output power as follows:

6.4.1. U-NII 5 (5.925-6.425 GHz) BAND

Frequency Range (MHz)	Mode	e.i.r.p. Power (dBm)	Output Power (mW)
UNII-5 band, 1TX			
5955-6415	802.11ax HE20 242-Tones	17.21	52.60
	802.11be EHT20 242-Tones	17.11	51.40
5965-6405	802.11ax HE40 OFDMA, 484-Tones	19.67	92.68
	802.11be EHT40 OFDMA, 484-Tones	19.51	89.33
5985-6385	802.11ax HE80 OFDMA, 996-Tones	24.03	252.93
	802.11be EHT80 OFDMA, 996-Tones	24.02	252.35
6025-6345	802.11ax HE160 OFDMA, 2x996-Tones	26.58	454.99
	802.11be EHT160 OFDMA, 2x996-Tones	26.25	421.70
6105-6265	802.11be EHT320 OFDMA, 4x996-Tones	28.46	701.46
UNII-5 band, 2TX CDD			
5955-6415	802.11ax HE20 242-Tones	17.16	52.00
	802.11be EHT20 242-Tones	17.66	58.34
5965-6405	802.11ax HE40 OFDMA, 484-Tones	19.98	99.54
	802.11be EHT40 OFDMA, 484-Tones	19.58	90.78
5985-6385	802.11ax HE80 OFDMA, 996-Tones	23.42	219.79
	802.11be EHT80 OFDMA, 996-Tones	23.65	231.74
6025-6345	802.11ax HE160 OFDMA, 2x996-Tones	26.62	459.20
	802.11be EHT160 OFDMA, 2x996-Tones	27.24	529.66
6105-6265	802.11be EHT320 OFDMA, 4x996-Tones	29.31	853.10
UNII-5 band, 4TX CDD			
5955-6415	802.11ax HE20 242-Tones	18.13	65.01
	802.11be EHT20 242-Tones	17.38	54.70
5965-6405	802.11ax HE40 OFDMA, 484-Tones	20.00	100.00
	802.11be EHT40 OFDMA, 484-Tones	19.74	94.19
5985-6385	802.11ax HE80 OFDMA, 996-Tones	23.37	217.27
	802.11be EHT80 OFDMA, 996-Tones	22.88	194.09
6025-6345	802.11ax HE160 OFDMA, 2x996-Tones	26.72	469.89
	802.11be EHT160 OFDMA, 2x996-Tones	26.01	399.02
6105-6265	802.11be EHT320 OFDMA, 4x996-Tones	29.23	837.53

6.4.2. U-NII-6 (6.425-6.525 GHz) BAND

Frequency Range (MHz)	Mode	e.i.r.p. Power (dBm)	Output Power (mW)
UNII-6 Band, 1TX			
6435-6515	802.11ax HE20 OFDMA, 242-Tones	17.21	52.60
	802.11be EHT20 OFDMA, 242-Tones	17.20	52.48
6445-6525 (Straddle)	802.11ax HE40 OFDMA, 484-Tones	19.90	97.72
	802.11be EHT40 OFDMA, 484-Tones	20.05	101.16
6465	802.11ax HE80 OFDMA, 996-Tones	23.61	229.61
	802.11be EHT80 OFDMA, 996-Tones	23.35	216.27
6505 (Straddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.58	454.99
	802.11be EHT160 OFDMA, 2x996-Tones	26.30	426.58
6425 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	28.73	746.45
UNII-6 Band, 2TX CDD			
6435-6515	802.11ax HE20 OFDMA, 242-Tones	17.03	50.47
	802.11be EHT20 OFDMA, 242-Tones	17.09	51.17
6445-6525 (Straddle)	802.11ax HE40 OFDMA, 484-Tones	20.13	103.04
	802.11be EHT40 OFDMA, 484-Tones	20.11	102.57
6465	802.11ax HE80 OFDMA, 996-Tones	23.44	220.80
	802.11be EHT80 OFDMA, 996-Tones	23.89	244.91
6505 (Straddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.68	465.59
	802.11be EHT160 OFDMA, 2x996-Tones	26.80	478.63
6425 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	28.62	727.78
UNII-6 Band, 4TX CDD			
6435-6515	802.11ax HE20 OFDMA, 242-Tones	18.02	63.39
	802.11be EHT20 OFDMA, 242-Tones	18.11	64.71
6445-6525 (Straddle)	802.11ax HE40 OFDMA, 484-Tones	19.51	89.33
	802.11be EHT40 OFDMA, 484-Tones	19.73	93.97
6465	802.11ax HE80 OFDMA, 996-Tones	23.97	249.46
	802.11be EHT80 OFDMA, 996-Tones	23.30	213.80
6505 (Straddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.61	458.14
	802.11be EHT160 OFDMA, 2x996-Tones	25.77	377.57
6425 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	23.91	246.04

6.4.3. U-NII-7 (6.525-6.875 GHz) BAND

Frequency Range (MHz)	Mode	e.i.r.p. Power (dBm)	Output Power (mW)
UNII-7 Band, 1TX			
6535-6875 (Straddle)	802.11ax HE20 OFDMA, 242-Tones	17.42	55.21
	802.11be EHT20 OFDMA, 242-Tones	16.84	48.31
6565-6845	802.11ax HE40 OFDMA, 484-Tones	19.98	99.54
	802.11be EHT40 OFDMA, 484-Tones	19.75	94.41
6545-6865 (Straddle)	802.11ax HE80 OFDMA, 996-Tones	23.71	234.96
	802.11be EHT80 OFDMA, 996-Tones	23.93	247.17
6665-6825 (Straddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.26	422.67
	802.11be EHT160 OFDMA, 2x996-Tones	26.48	444.63
6585 (Straddle)- 6745 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	29.51	893.31
UNII-7 Band, 2TX CDD			
6535-6875 (Straddle)	802.11ax HE20 OFDMA, 242-Tones	17.04	50.58
	802.11be EHT20 OFDMA, 242-Tones	17.37	54.58
6565-6845	802.11ax HE40 OFDMA, 484-Tones	19.85	96.61
	802.11be EHT40 OFDMA, 484-Tones	19.81	95.72
6545-6865 (Straddle)	802.11ax HE80 OFDMA, 996-Tones	23.64	231.21
	802.11ax HE80 OFDMA, 996-Tones	23.88	244.34
6665-6825 (Straddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.37	433.51
	802.11be EHT160 OFDMA, 2x996-Tones	25.96	394.46
6585 (Straddle)- 6745 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	29.52	895.36
UNII-7 Band, 4TX CDD			
6535-6875 (Straddle)	802.11ax HE20 OFDMA, 242-Tones	17.65	58.21
	802.11be EHT20 OFDMA, 242-Tones	17.36	54.45
6565-6845	802.11ax HE40 OFDMA, 484-Tones	20.46	111.17
	802.11be EHT40 OFDMA, 484-Tones	19.89	97.50
6545-6865 (Straddle)	802.11ax HE80 OFDMA, 996-Tones	23.93	247.17
	802.11ax HE80 OFDMA, 996-Tones	23.71	234.96
6665-6825 (Staddle)	802.11ax HE160 OFDMA, 2x996-Tones	26.80	478.63
	802.11be EHT160 OFDMA, 2x996-Tones	23.42	219.79
6585 (Straddle)-6745 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	29.45	881.05

6.4.4. U-NII 8 (6.875-7.125 GHz) BAND

Frequency Range (MHz)	Mode	e.i.r.p. Power (dBm)	Output Power (mW)
UNII-8 Band, 1TX			
6895-7115	802.11ax HE20 OFDMA, 242-Tones	17.18	52.24
	802.11be EHT20 OFDMA, 242-Tones	17.39	54.83
6885 (Stradde) -7085	802.11ax HE40 OFDMA, 484-Tones	19.61	91.41
	802.11be EHT40 OFDMA, 484-Tones	19.96	99.08
6945-7025	802.11ax HE80 OFDMA, 996-Tones	23.66	232.27
	802.11be EHT80 OFDMA, 996-Tones	23.48	222.84
6985	802.11ax HE160 OFDMA, 2x996-Tones	26.26	422.67
	802.11be EHT160 OFDMA, 2x996-Tones	25.71	372.39
6905 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	26.22	418.79
UNII-8 Band, 2TX CDD			
6895-7115	802.11ax HE20 OFDMA, 242-Tones	17.07	50.93
	802.11be EHT20 OFDMA, 242-Tones	17.66	58.34
6885 (Stradde) -7085	802.11ax HE40 OFDMA, 484-Tones	20.00	100.00
	802.11be EHT40 OFDMA, 484-Tones	19.65	92.26
6945-7025	802.11ax HE80 OFDMA, 996-Tones	23.99	250.61
	802.11be EHT80 OFDMA, 996-Tones	23.88	244.34
6985	802.11ax HE160 OFDMA, 2x996-Tones	26.34	430.53
	802.11be EHT160 OFDMA, 2x996-Tones	26.73	470.98
6905 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	27.83	606.74
UNII-8 Band, 4TX CDD			
6895-7115	802.11ax HE20 OFDMA, 242-Tones	17.33	54.08
	802.11be EHT20 OFDMA, 242-Tones	17.41	55.08
6885 (Stradde) -7085	802.11ax HE40 OFDMA, 484-Tones	19.58	90.78
	802.11be EHT40 OFDMA, 484-Tones	19.66	92.47
6945-7025	802.11ax HE80 OFDMA, 996-Tones	24.03	252.93
	802.11be EHT80 OFDMA, 996-Tones	23.62	230.14
6985	802.11ax HE160 OFDMA, 2x996-Tones	26.58	454.99
	802.11be EHT160 OFDMA, 2x996-Tones	22.89	194.54
6905 (Straddle)	802.11be EHT320 OFDMA, 4x996-Tones	26.64	461.32

6.5. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

The antenna(s) gain and type, cable loss as provided by the manufacturer' are as follows:

The radio utilizes Flex PCB antennas, with a maximum gain as below table. EUT support the following transmit configurations:

- 1x1 SISO, Antenna 5 only
- 2x2 MIMO, Antenna 5 and Antenna 8 only
- 4x4 MIMO, Antenna 5, Antenna 8, Antenna 3 and Antenna 10

Frequency Range (GHz)	Peak Antenna Gain (dBi)				Cable Loss (dB)
	Antenna 5	Antenna 8	Antenna 3	Antenna 10	
5.925-6.425	5.13	5.13	5.13	5.13	1.6
6.425-6.525	4.88	4.88	4.88	4.88	1.6
6.525-6.875	5.02	5.02	5.02	5.02	1.6
6.875-7.125	4.35	4.35	4.35	4.35	1.6

Note: Antenna 5↔Chain 0, Antenna 8↔Chain 1, Antenna 3↔Chain 2 and Antenna 10↔Chain 3

6.6. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was 2023-03-30T01.

The test utility software used during testing was QRCT4 version 4.0.81.1.

6.7. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, 1GHz to 18GHz, 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.

Investigation was performed on 1TX, 2TX and 4TX 802.11ax/be, and determined that 4Tx 802.11be mode covers 1TX, 2TX, 4TX 802.11ax mode and 1TX, 2TX 802.11be modes for radiated spurious emissions.

Band edge was performed with the EUT set to transmit at the highest power on low, mid, and high channels for 802.11ax and be.

The EUT can only be setup in desktop orientation; therefore, all radiated testing was performed with the EUT in desktop orientation.

This EUT supports BLE/ 802.15.4+ 5GHz + 6GHz simultaneous transmission.

Worst-case data rates as provided by the client were:

802.11ax HE20mode: MCS0
802.11ax HE40mode: MCS0
802.11ax HE80mode: MCS0
802.11ax HE160mode: MCS0
802.11be EHT20mode: MCS0
802.11be EHT40mode: MCS0
802.11be EHT80mode: MCS0
802.11be EHT160mode: MCS0
802.11be EHT320mode: MCS0

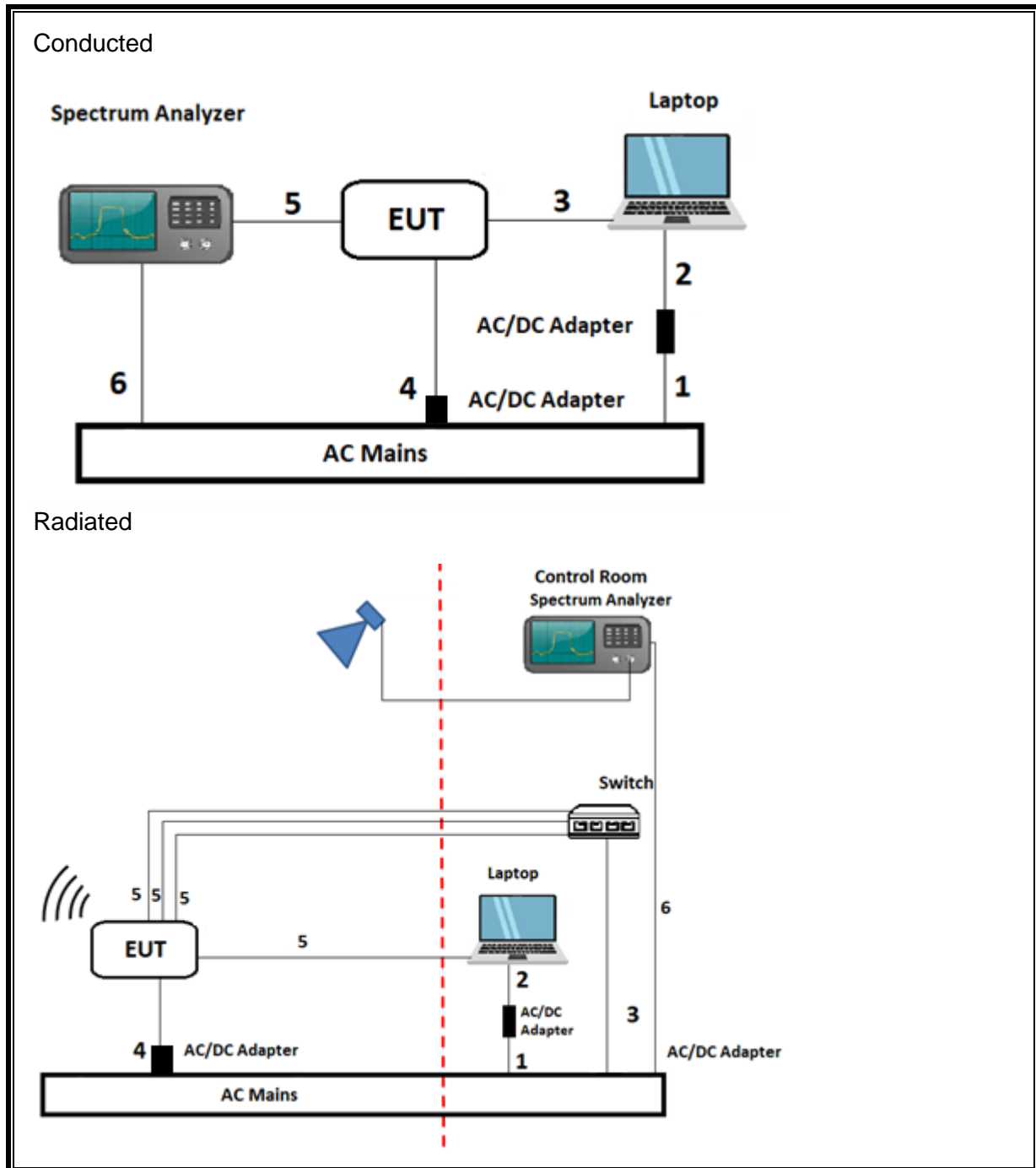
Plots included in the report are representative of the method and settings parameters used for the test.

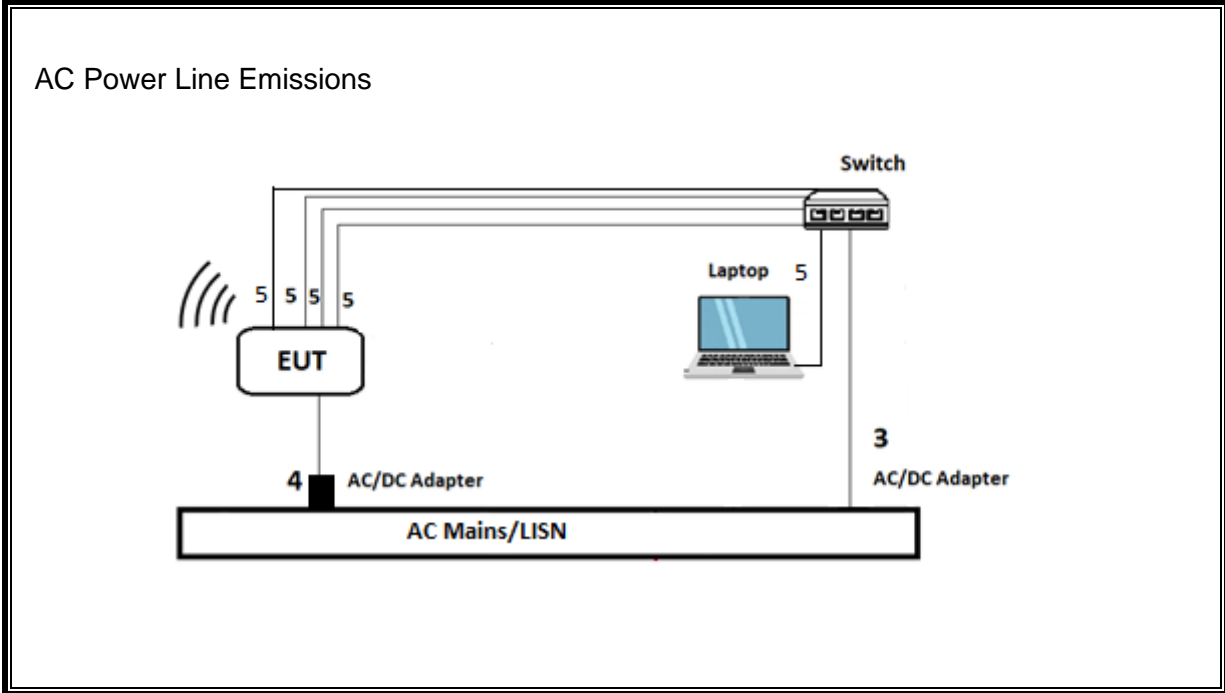
6.8. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC		
EUT AC/DC Adapter (Luxshare)	eero	C310011	NA	DoC		
EUT AC/DC Adapter (Foxlink)	eero	C310011	NA	DoC		
Laptop	Lenovo	ThinkPad P15s Gen 2	PF-2YV2K6	DoC		
Laptop AC/DC Adapter	Lenovo	ADLX65Y	8SSA10R16875C1SG09PRSHT	DoC		
Laptop	Lenovo	ThinkPadT460	PC0JLLUT	DoC		
Laptop AC/DC Adapter	Lenovo	A-17-065N2A	8SSA10J20161C1SG8720X55 Rev:000	DoC		
Switch	Netgear	XS505M	6H11197M00054	DoC		
I/O CABLES (CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	2-Prong	Un-shielded	1	AC Mains to LT AC/DC Adapter
2	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to Laptop
3	Ethernet	1	RJ45	Un-shielded	1	Laptop to EUT
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	SMA	1	SMA	Un-shielded	0.5	EUT to Spectrum Analyzer
6	AC	1	3-Prong	Un-shielded	1.5	AC Mains to Spectrum Analyzer
I/O CABLES (RADIATED TEST EMISSIONS)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
3	AC	1	2-Prong	Un-shielded	2	AC Mains to Switch
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	I/O	4	RJ45	Un-shielded	>3 meter	EUT to Switch /Laptop. One cable connected to switch is <3 meter for 30MHz to 1GHz test.
6	AC	1	3-Prong	Un-shielded	1.5	AC Mains to Spectrum Analyzer
I/O CABLES (AC POWER LINE EMISSIONS)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
3	AC	1	2-Prong	Un-shielded	2	AC Mains to Switch
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	I/O	5	RJ45	Un-shielded	>3 meter	EUT to Switch, Laptop to Switch

TEST SETUP

The EUT is powered by AC/DC adapter and connected to support equipment, and the radio is exercised remotely by command prompt GUI test utility software via ethernet.





7. MEASUREMENT METHOD

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

26 dB Emission BW: ANSI C63.10-2013 Section 12.4.1

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

Output Power: KDB 789033 D02 v02r01, KDB 789033 D02 v02r01, Section E.2.b (Method SA-1)
Radiated method made in lieu of conducted measurements

Power Spectral Density (PSD): KDB 789033 D02 v02r01, Section F
Radiated method made in lieu of conducted measurements

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
Antenna, Passive Loop 30Hz – 1MHz	ELECTRO METRICS	EM-6871	219908	2024-05-31	2023-05-31
Antenna, Passive Loop 100KHz – 30MHz	ELECTRO METRICS	EM-6872	219910	2024-05-31	2023-05-31
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences Corp.	JB1	80293	2024-04-30	2023-04-11
Amplifier, 9KHz to 1GHz, 32dB (Chamber J)	SONOMA INSTRUMENT	310	170647	2023-11-11	2022-11-11
Antenna, Horn 1-18GHz (Chamber J)	ETS-Lindgren	3117	222741	2023-08-31	2022-08-31
RF Filter Box, 1-18GHz (Chamber J)	UL-FR1	N/A	171875	2023-11-10	2022-11-10
EMI Test Receiver	Rohde & Schwarz	ESW44	230547	2024-02-29	2023-02-15
Antenna, Horn 1-18GHz (Chamber K)	ETS-Lindgren	3117	223083	2023-10-25	2022-10-25
RF Filter Box, 1-18GHz (Chamber K)	UL-FR1	N/A	197920	2024-05-31	2023-05-17
EMI test receiver (Chamber K)	Rohde & Schwarz	ESW44	225688	2024-02-29	2023-02-14
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199659	2023-12-06	2022-12-06
Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB	AMPLICAL	AMP18G26.5-60	234683	2024-03-29	2023-03-18
Antenna, Horn 26.5 to 40GHz	ARA	MWH-2640/B	199661	2023-12-06	2022-12-06
Amplifier 26-40GHz +5Vdc, -62dBm P1dB	AMPLICAL	AMP26G40-60	234684	2024-03-29	2023-03-18
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125178	2024-02-29	2023-02-06
10dB Fixed Attenuator, up to 26GHz	Pasternack Enterprises	PE7087-10	236189	Verified/characterized before use	
Power Meter, P-series single channel	Keysight Technologies Inc	N1921A	81319	2024-01-25	2023-01-25
Power Sensor, P – series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1911A	90718	2024-01-31	2023-01-31
AC Line Conducted					
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	2024-01-31	2023-01-27
EMI TEST RECEIVER	Rohde & Schwarz	ESR	93091	2024-02-29	2023-02-20
Transient Limiter	TE	TBFL1	207996	2023-07-31	2022-07-15
UL TEST SOFTWARE LIST					
Radiated Software	UL	UL EMC	Ver 2023-01-18, 2023-03-03, 2023-05-01		
Antenna Port Software	UL	UL RF	Ver 2022.5.31		
AC Line Conducted Software	UL	UL EMC	Rev 9.5, 2022-02-17		

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.

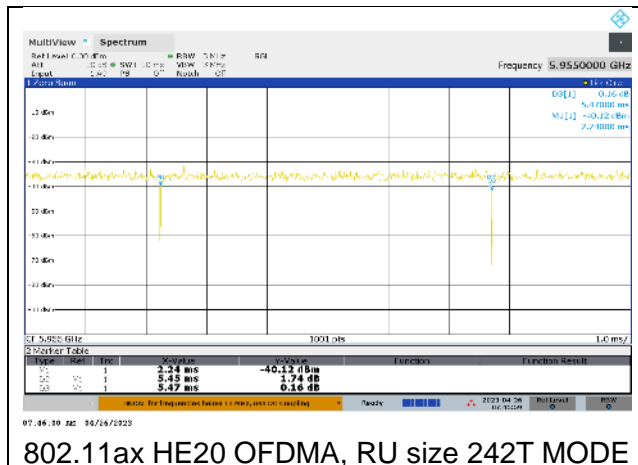
RESULTS

Mode 1TX	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 OFDMA, RU 242T	5.450	5.470	0.996	99.63%	0.00	0.010
802.11be EHT20 OFDMA, RU 242T	5.460	5.480	0.996	99.64%	0.00	0.010
802.11ax HE40 OFDMA, RU 484T	5.450	5.470	0.996	99.63%	0.00	0.010
802.11be EHT40 OFDMA, RU 484T	5.449	5.474	0.995	99.54%	0.00	0.010
802.11ax HE80 OFDMA, RU 996T	5.381	5.459	0.986	98.58%	0.00	0.010
802.11be EHT80 OFDMA, RU 996T	5.456	5.489	0.994	99.39%	0.00	0.010
802.11ax HE160 OFDMA, 996T*2	5.450	5.470	0.996	99.63%	0.00	0.010
802.11be EHT160 OFDMA, 996T*2	5.453	5.480	0.995	99.51%	0.00	0.010
802.11be EHT320 OFDMA, 996T*4	5.423	5.478	0.990	99.00%	0.00	0.010

Note: Testing was performed for 1TX, 2TX and 4TX . The above results are representative for 2TX and 4TX

DUTY CYCLE SAMPLE PLOT

1TX:



9.2. 26 dB BANDWIDTH

LIMITS

§15.407 (a) (10)

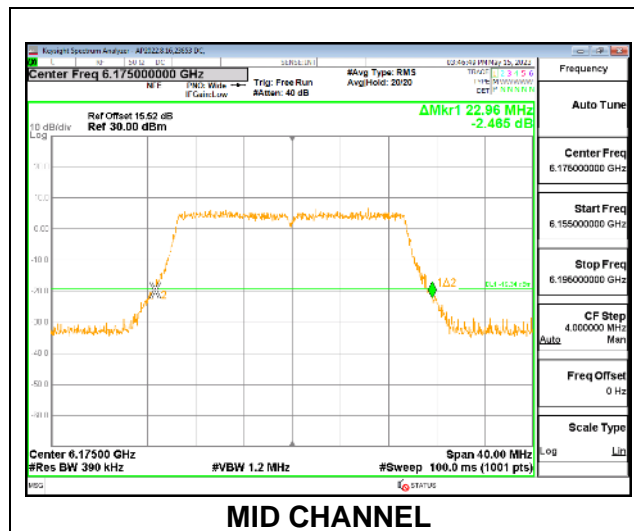
The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

RESULTS

9.2.1. 802.11ax HE20 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 242-Tones, RU Index 61

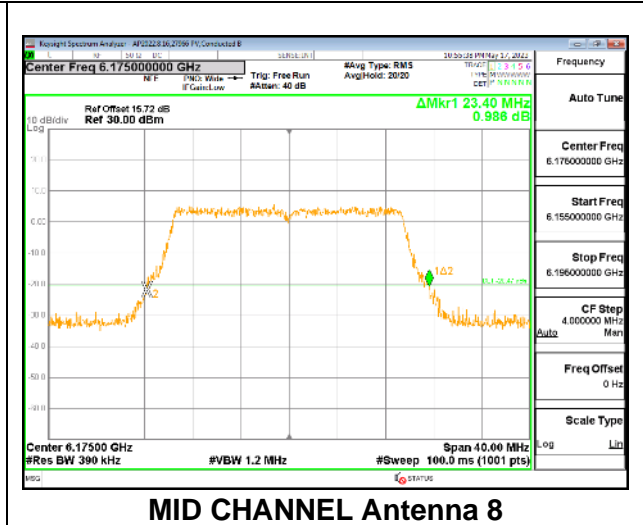
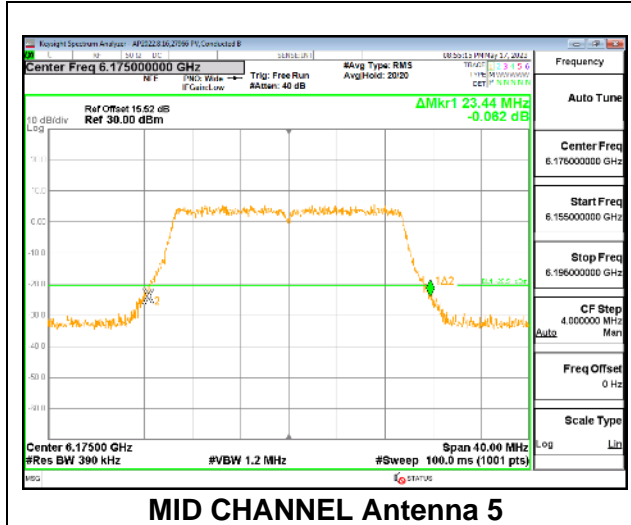
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5955	23.52
Mid	6175	22.96
High	6415	23.40



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5955	22.88	23.56
Mid	6175	23.44	23.40
High	6415	23.52	23.64

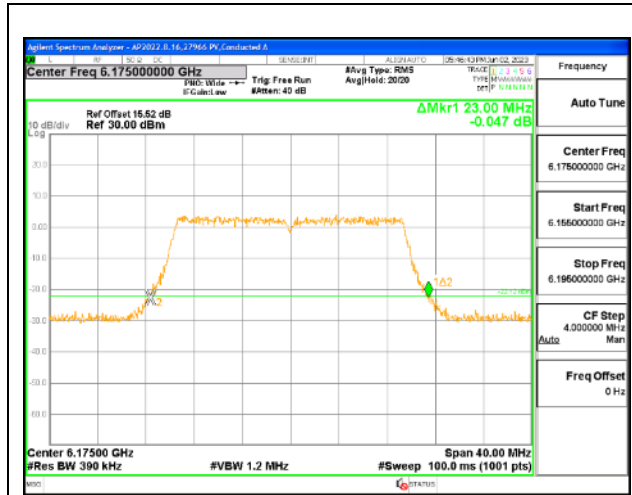
MID CHANNEL



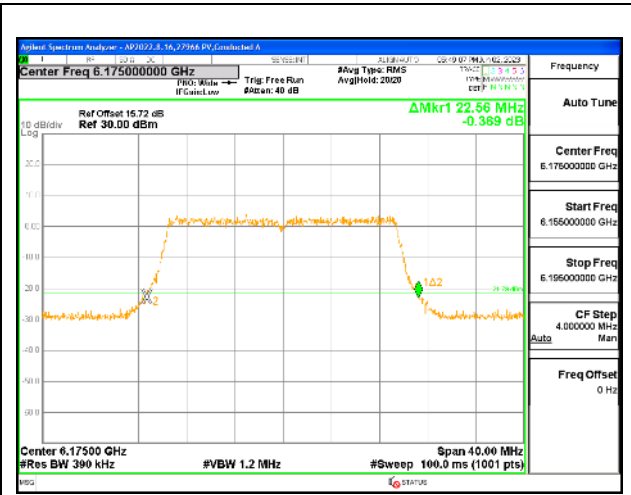
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	5955	23.28	22.88	23.16	22.76
Mid	6175	23.00	22.56	22.88	22.96
High	6415	23.40	22.80	23.00	22.88

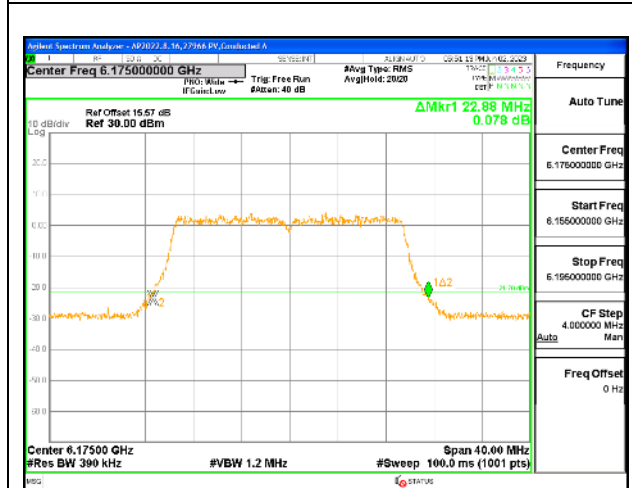
MID CHANNEL



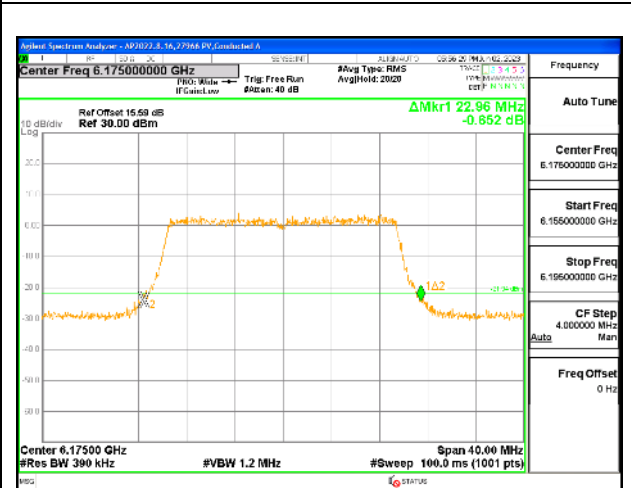
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

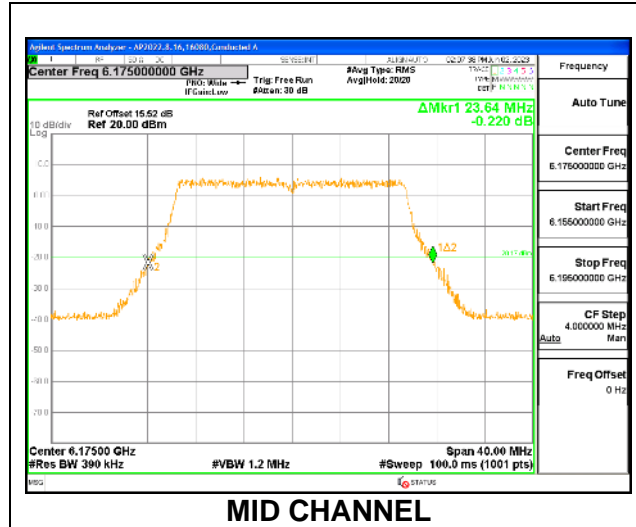


MID CHANNEL Antenna 10

9.2.2. 802.11be EHT20 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 242-Tones, RU Index 61

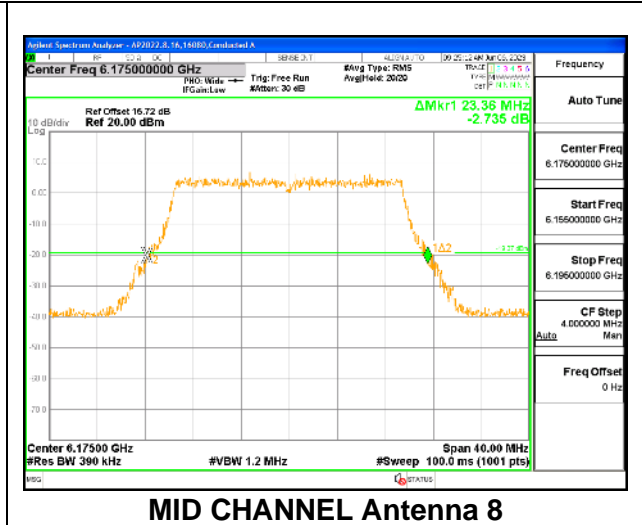
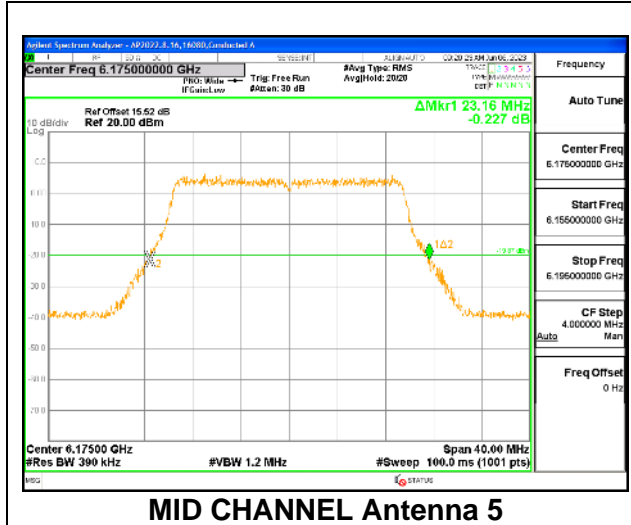
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5955	23.36
Mid	6175	23.64
High	6415	23.48



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5955	23.20	23.80
Mid	6175	23.16	23.36
High	6415	23.20	23.68

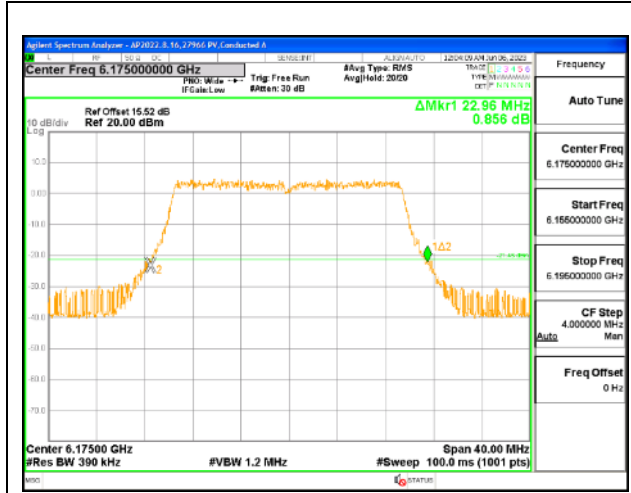
MID CHANNEL



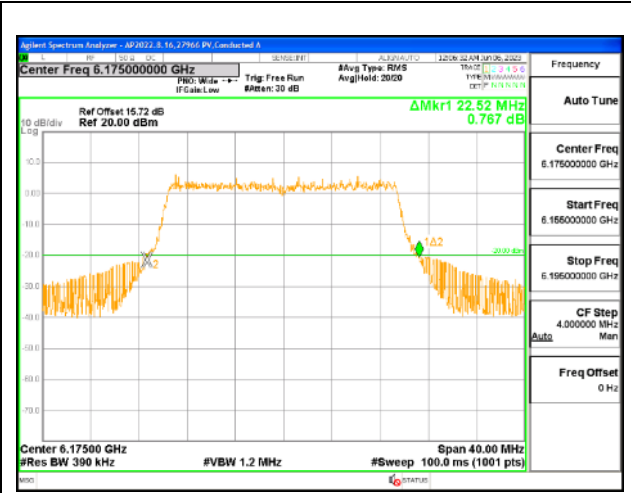
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	5955	22.84	22.48	22.40	22.28
Mid	6175	22.96	22.52	22.40	22.76
High	6415	22.76	22.40	22.32	22.28

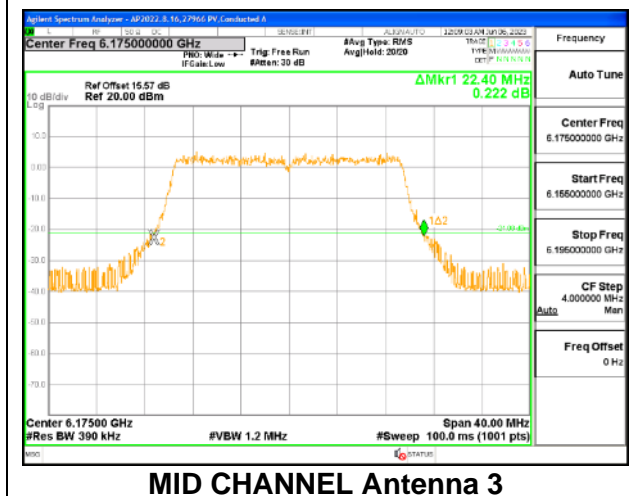
MID CHANNEL



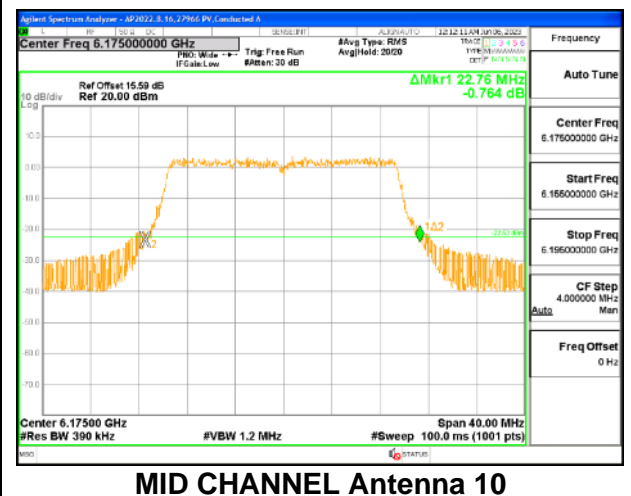
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

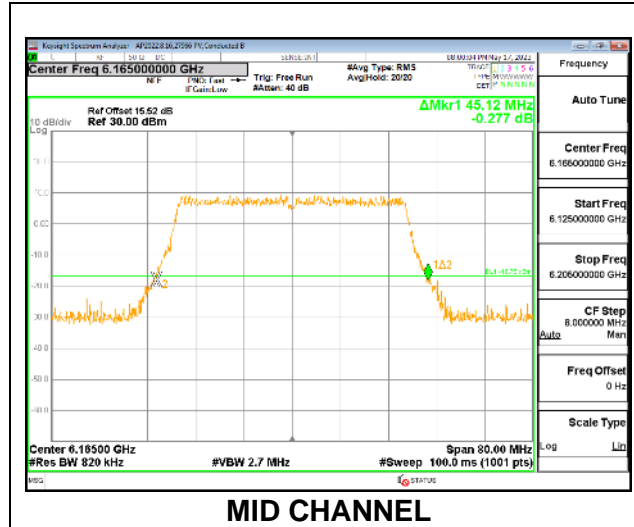


MID CHANNEL Antenna 10

9.2.3. 802.11ax HE40 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5965	46.00
Mid	6165	45.12
High	6405	45.28

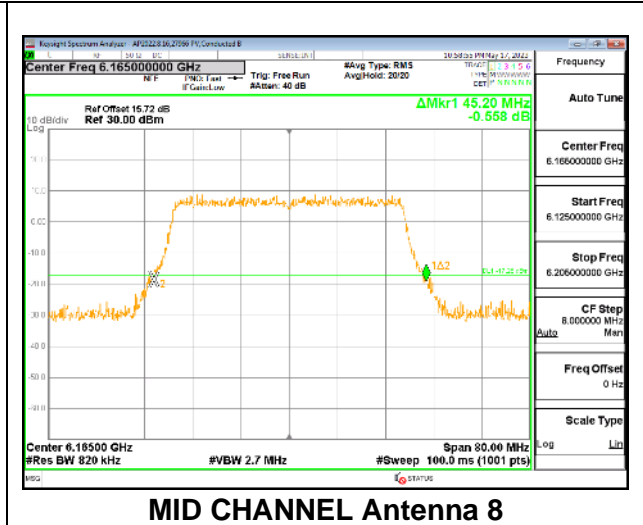
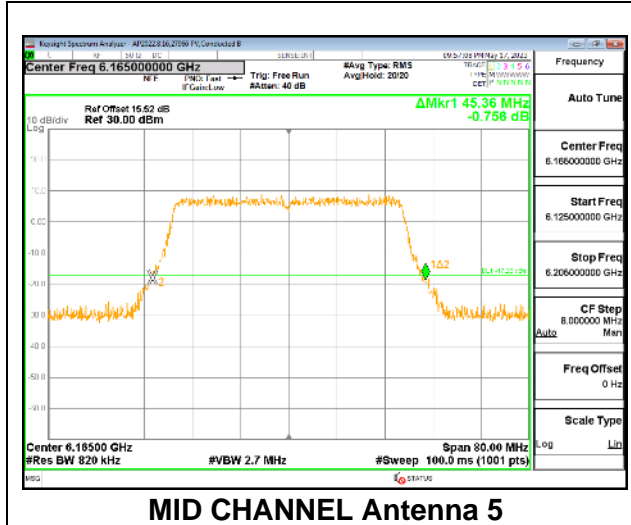


MID CHANNEL

2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5965	45.60	45.04
Mid	6165	45.36	45.20
High	6405	45.28	45.04

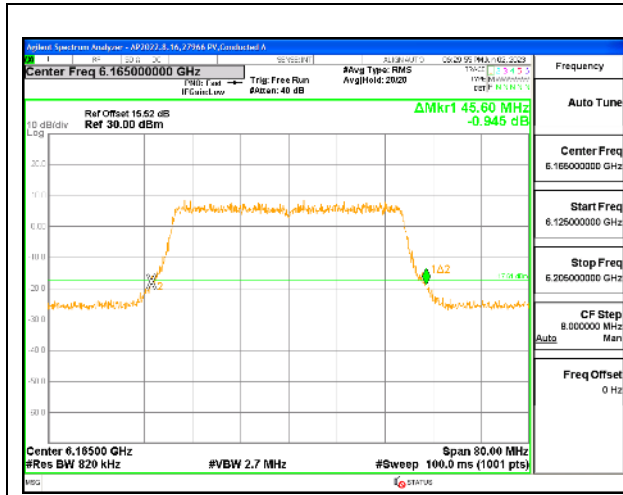
MID CHANNEL



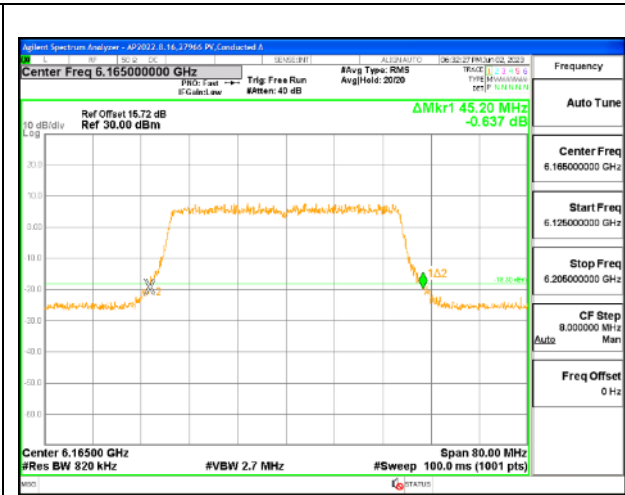
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 484-Tones, RU Index 65

Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
5965	46.00	44.96	44.80	44.80
6165	45.60	45.20	45.12	45.04
6405	45.28	45.84	45.20	45.36

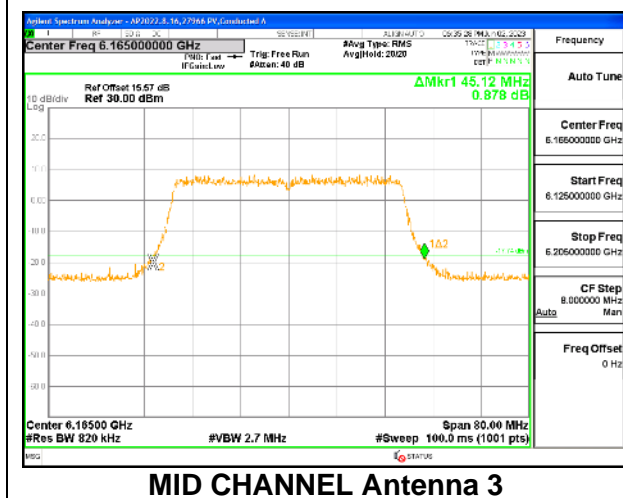
MID CHANNEL



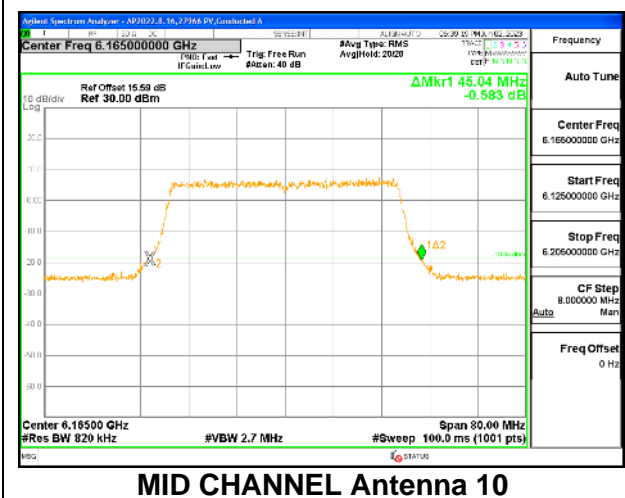
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

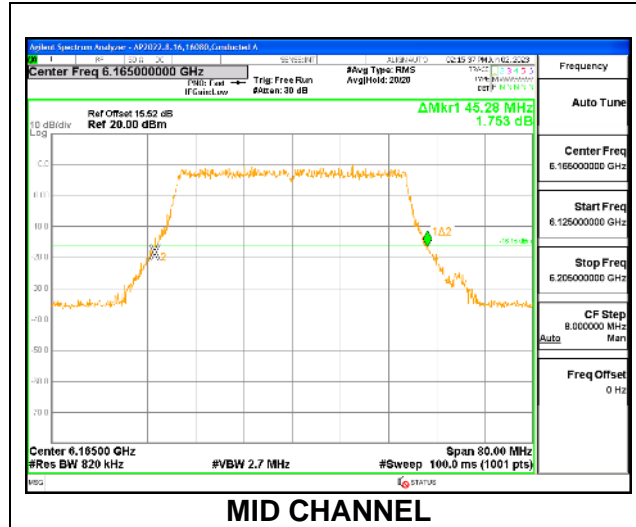


MID CHANNEL Antenna 10

9.2.4. 802.11be EHT40 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 484-Tones, RU Index 65

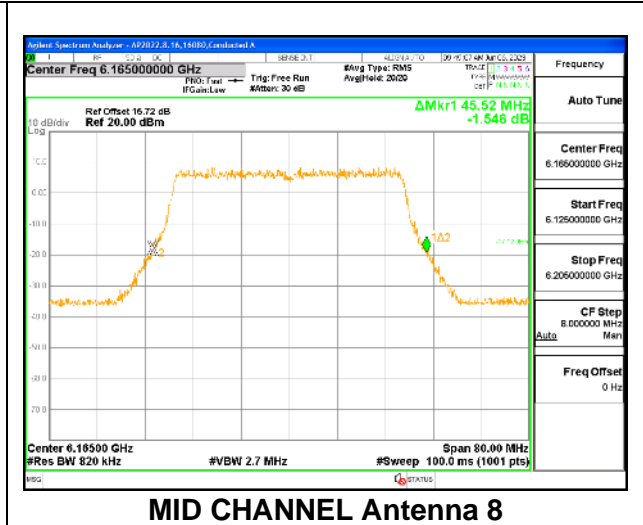
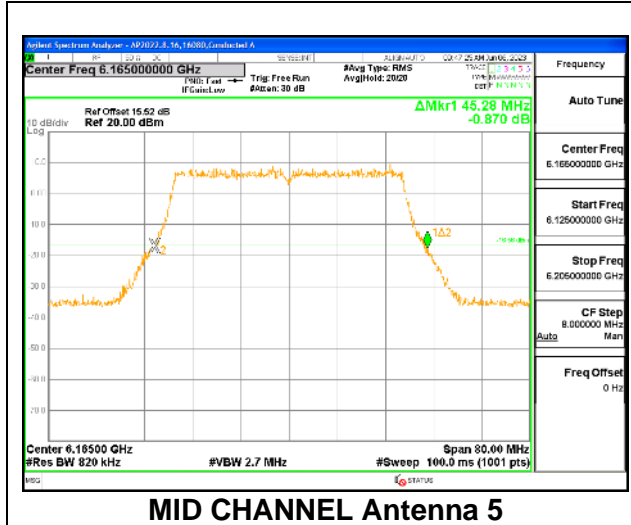
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5965	45.68
Mid	6165	45.28
High	6405	45.76



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5965	45.52	45.68
Mid	6165	45.28	45.52
High	6405	46.00	45.20

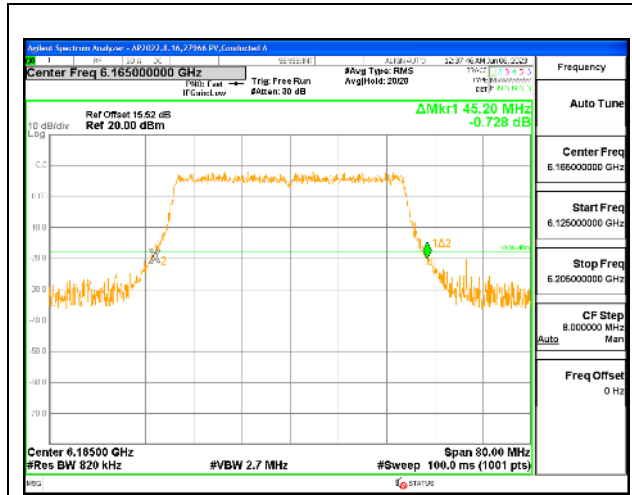
MID CHANNEL



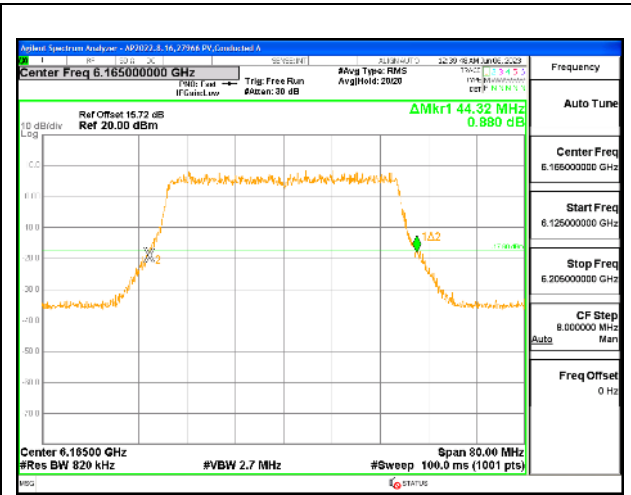
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	5965	44.40	44.24	44.56	44.72
Mid	6165	45.20	44.32	44.48	44.56
High	6405	44.88	44.64	44.32	44.64

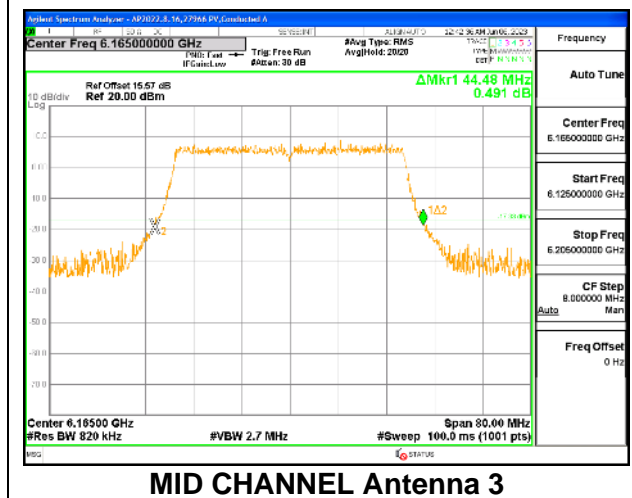
MID CHANNEL



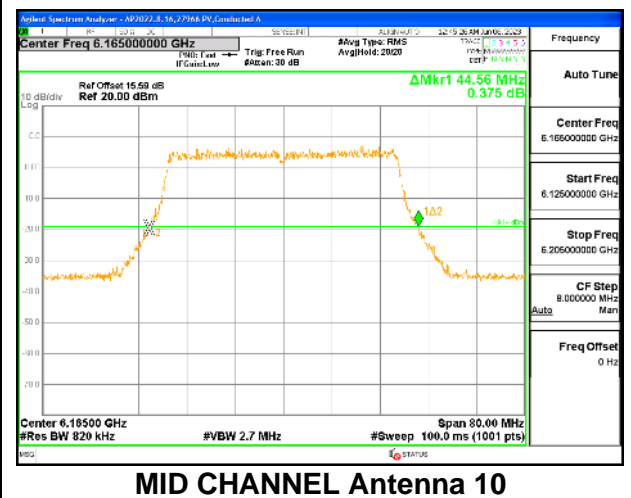
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

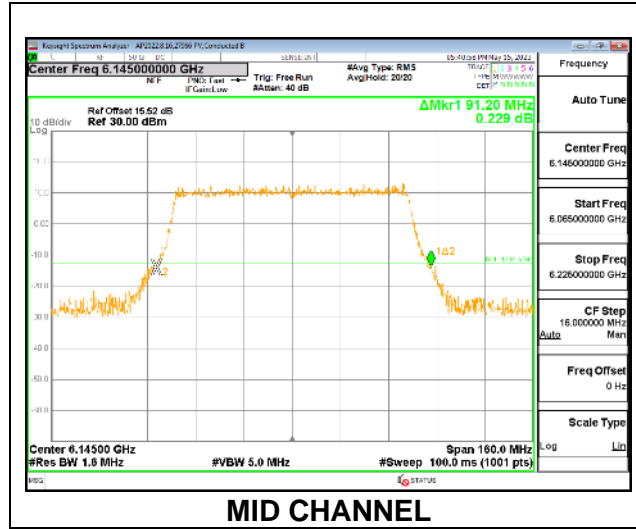


MID CHANNEL Antenna 10

9.2.5. 802.11ax HE80 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 996-Tones, RU Index 67

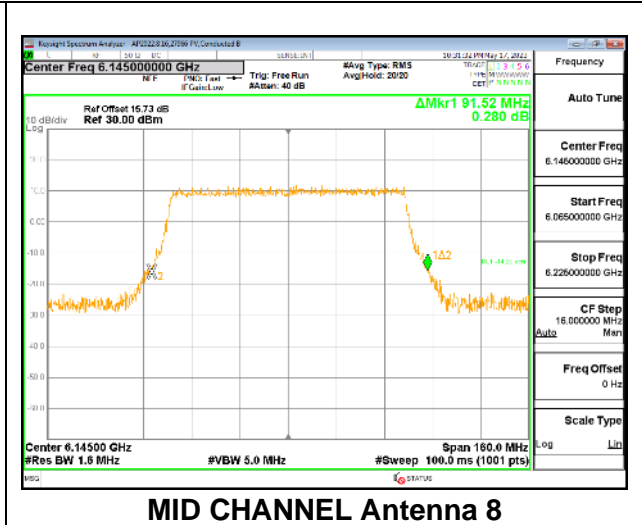
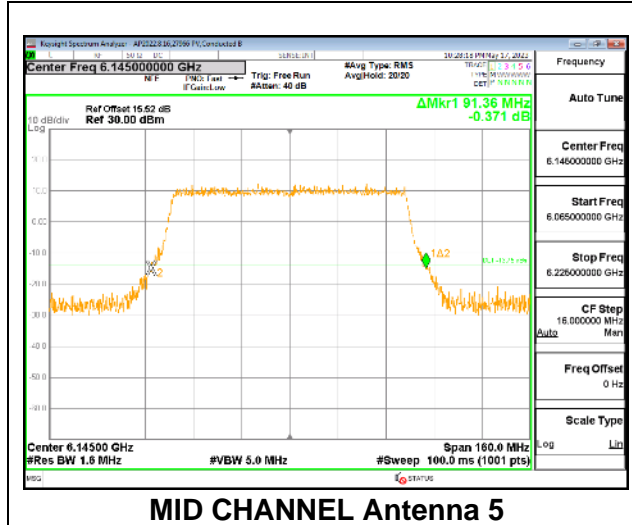
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5985	90.72
Mid	6145	91.20
High	6385	91.04



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5985	91.68	91.84
Mid	6145	91.36	91.52
High	6385	91.20	91.84

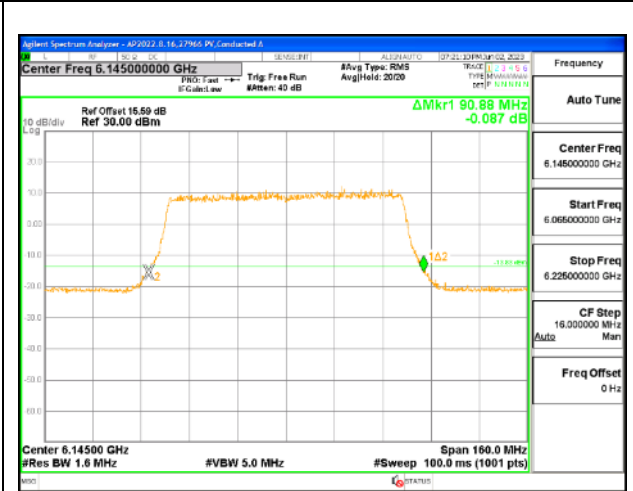
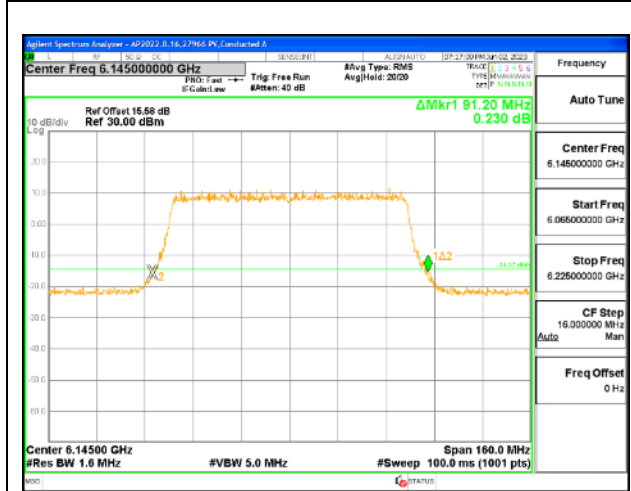
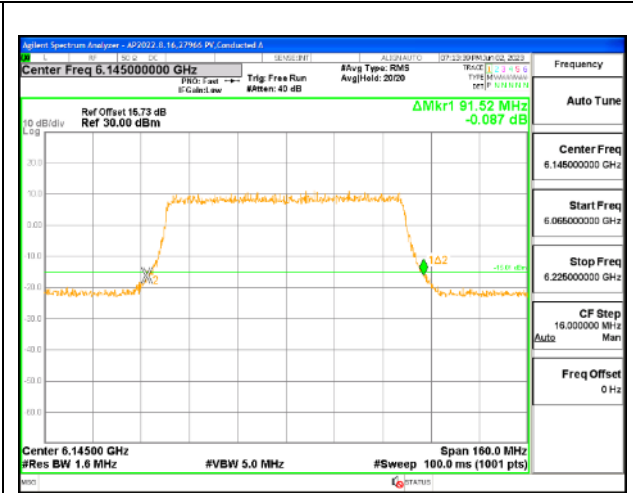
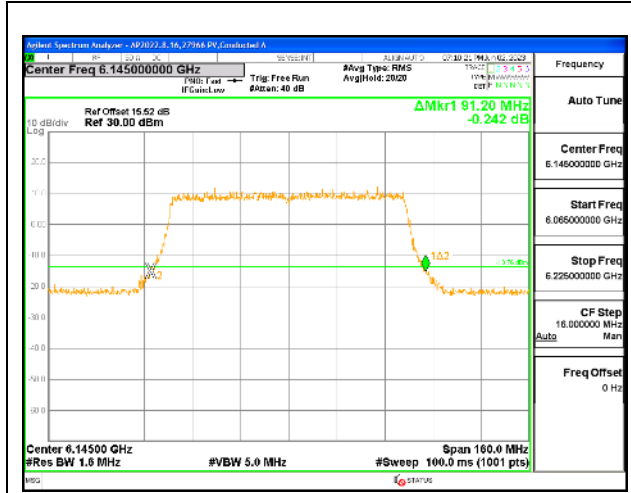
MID CHANNEL



4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	5985	90.56	90.56	90.08	89.92
Mid	6145	91.20	91.52	91.20	90.88
High	6385	90.88	91.04	90.56	90.40

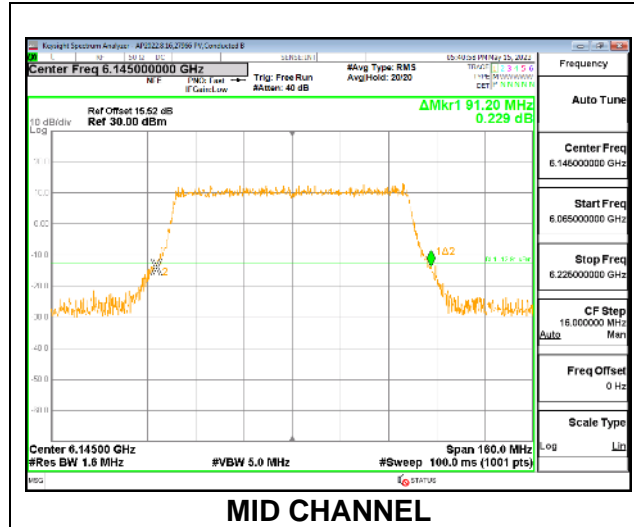
MID CHANNEL



9.2.6. 802.11be EHT80 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 996-Tones, RU Index 67

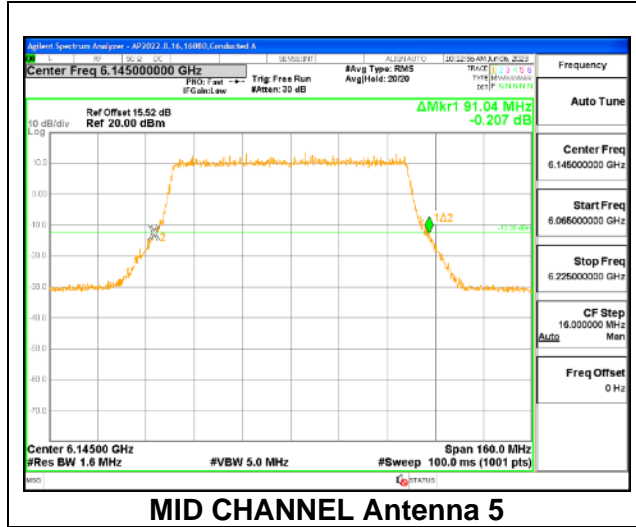
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5985	90.72
Mid	6145	91.20
High	6385	91.04



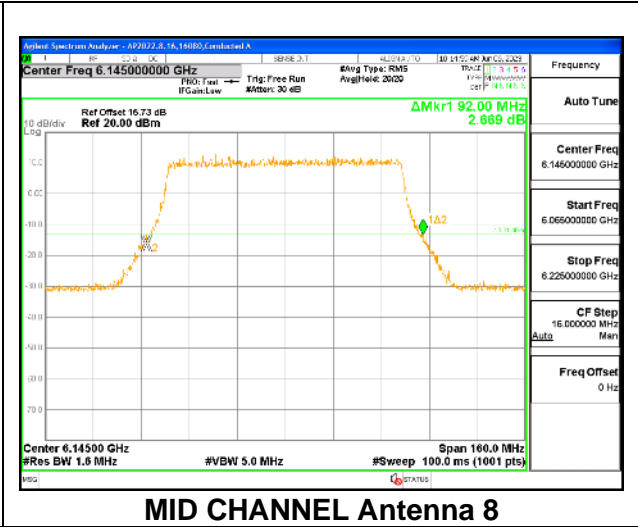
2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5985	90.88	91.04
Mid	6145	91.04	92.00
High	6385	90.88	90.88

MID CHANNEL



MID CHANNEL Antenna 5

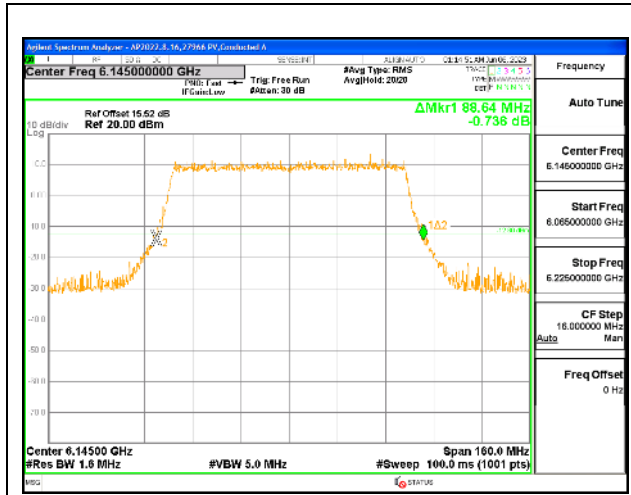


MID CHANNEL Antenna 8

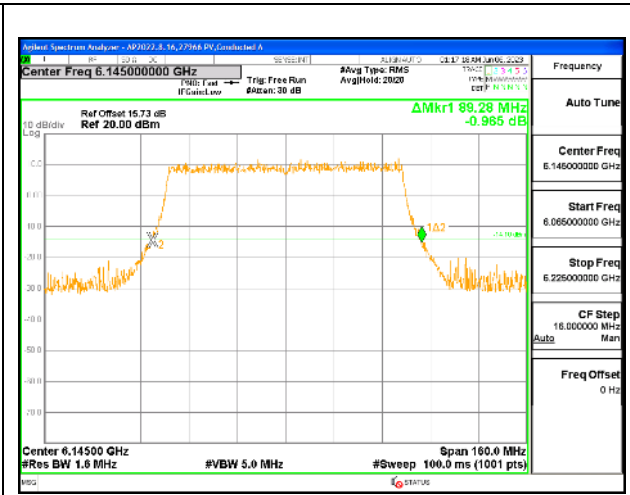
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	5985	89.76	89.44	89.60	89.28
Mid	6145	88.64	89.28	88.64	89.44
High	6385	90.08	89.92	90.24	89.92

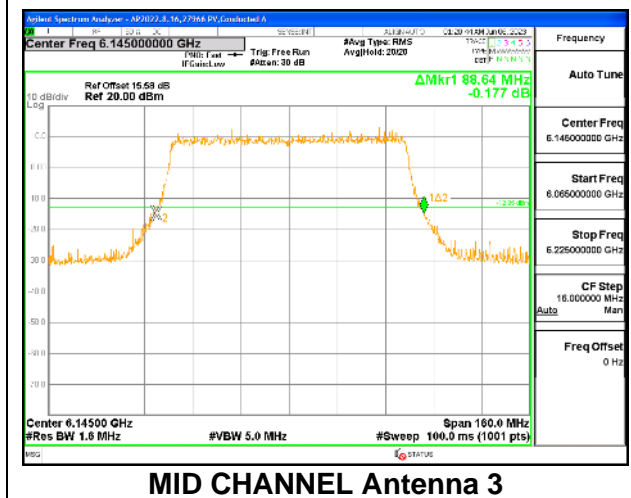
MID CHANNEL



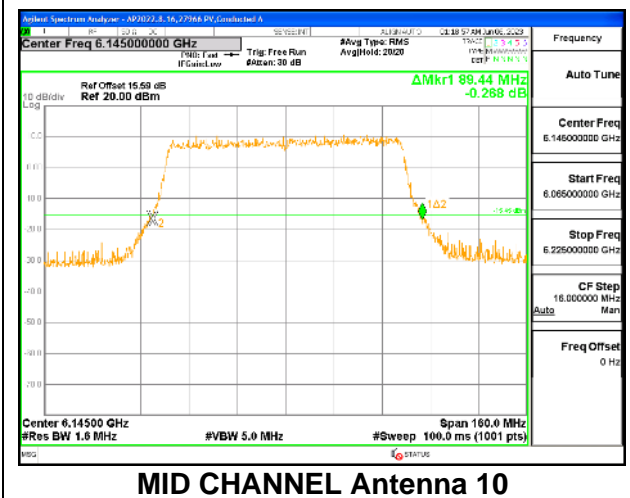
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

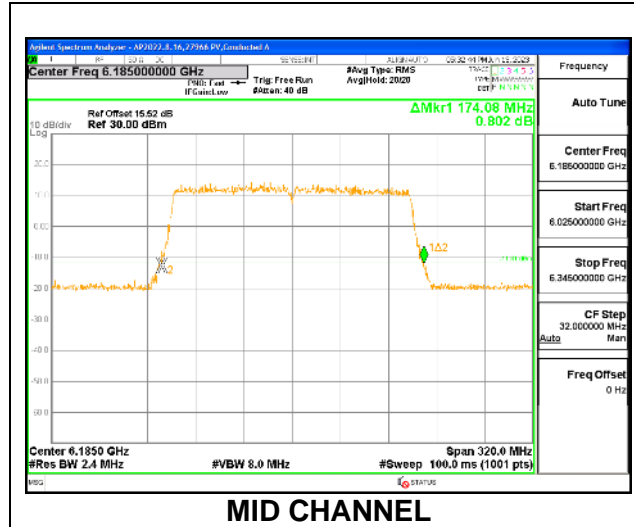


MID CHANNEL Antenna 10

9.2.7. 802.11ax HE160 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 2x 996-Tones, Index S68

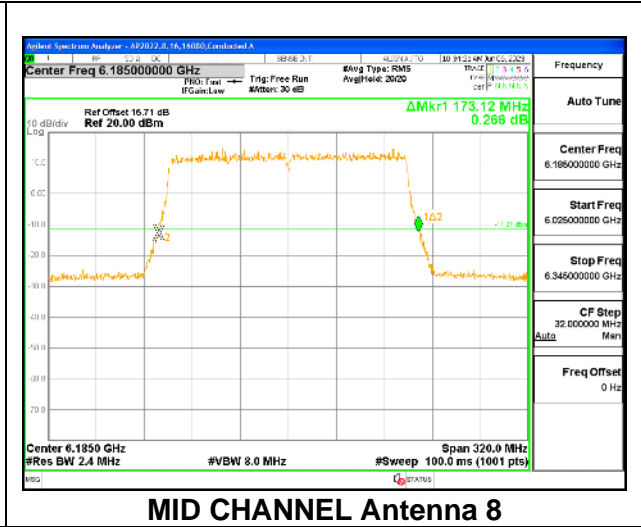
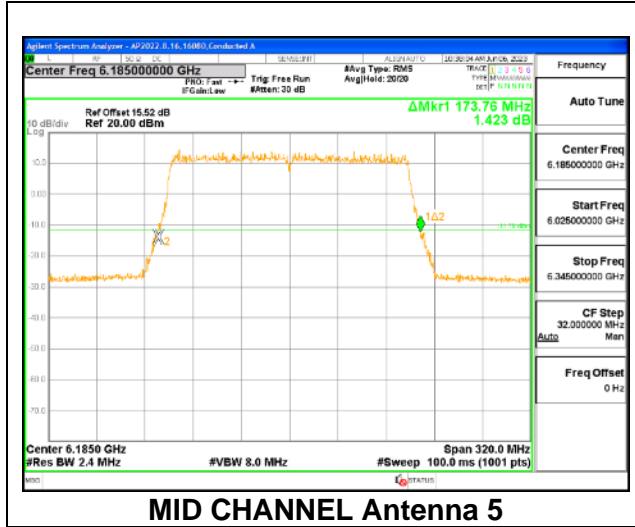
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6025	174.40
Mid	6185	174.08
High	6345	174.40



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6025	175.36	174.40
Mid	6185	173.76	173.12
High	6345	175.36	172.80

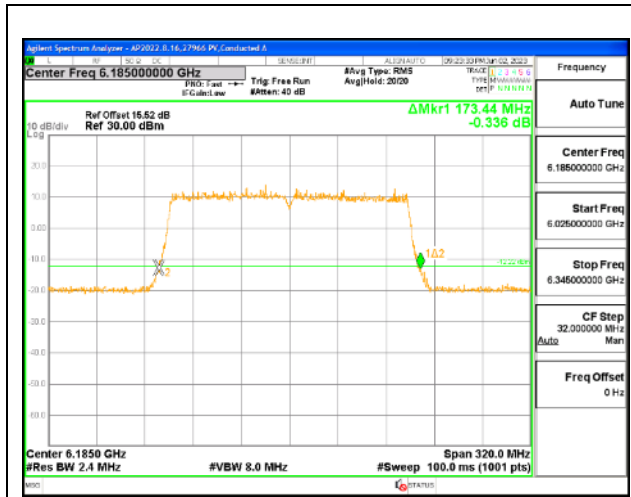
MID CHANNEL



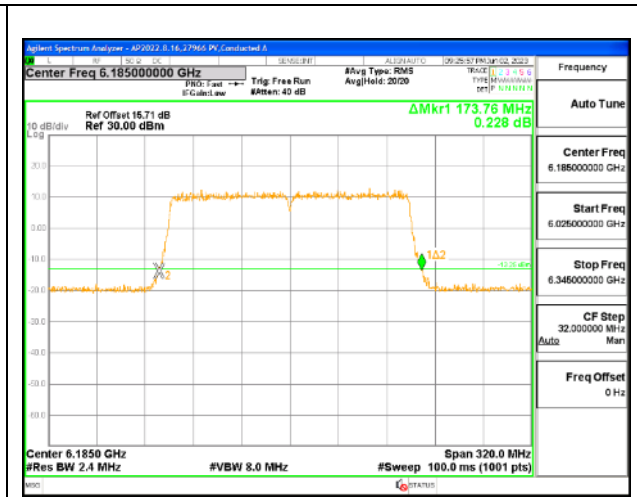
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6025	173.12	173.12	173.44	174.08
Mid	6185	173.44	173.76	173.44	173.44
High	6345	174.08	174.72	174.40	174.72

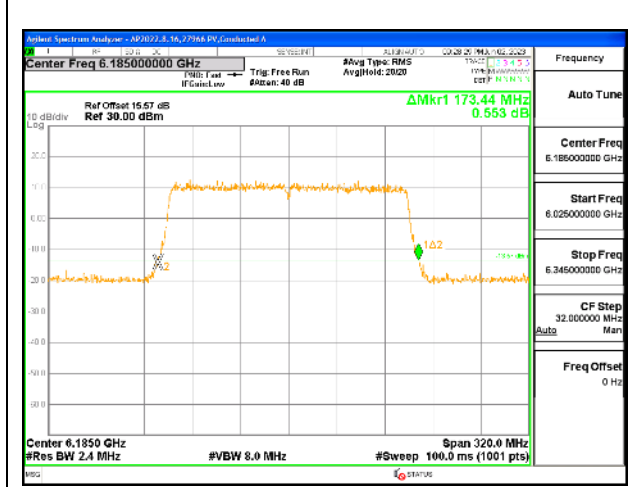
MID CHANNEL



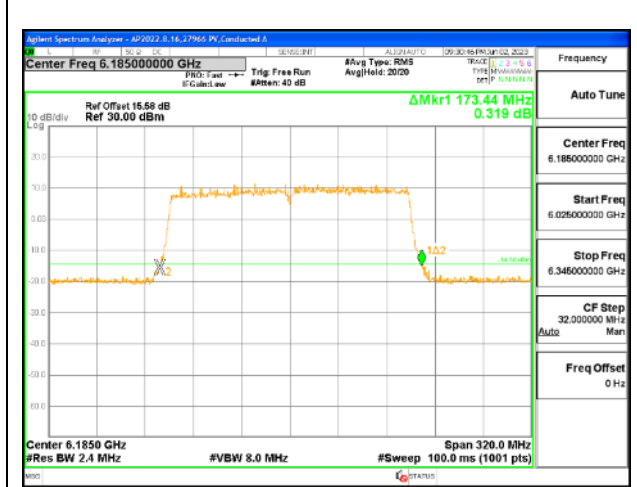
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

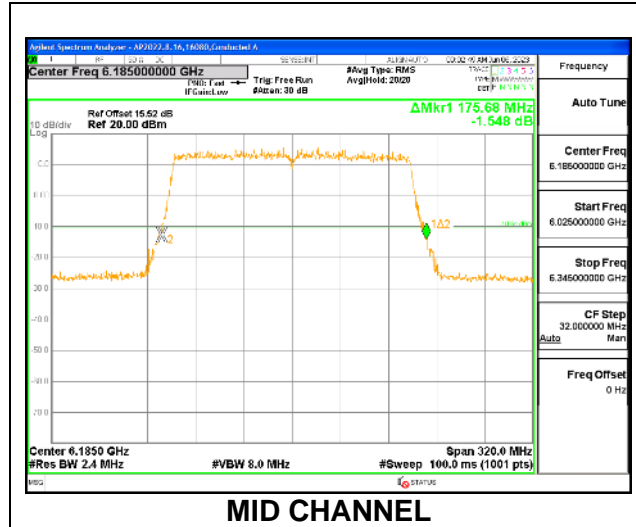


MID CHANNEL Antenna 10

9.2.8. 802.11be EHT160 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 2x 996-Tones, Index S68

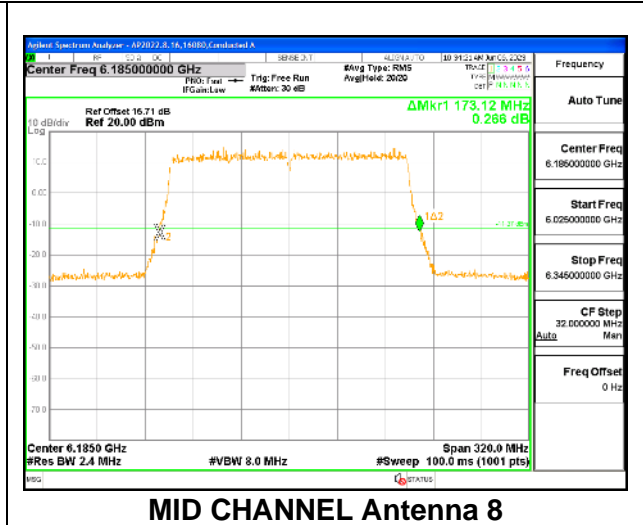
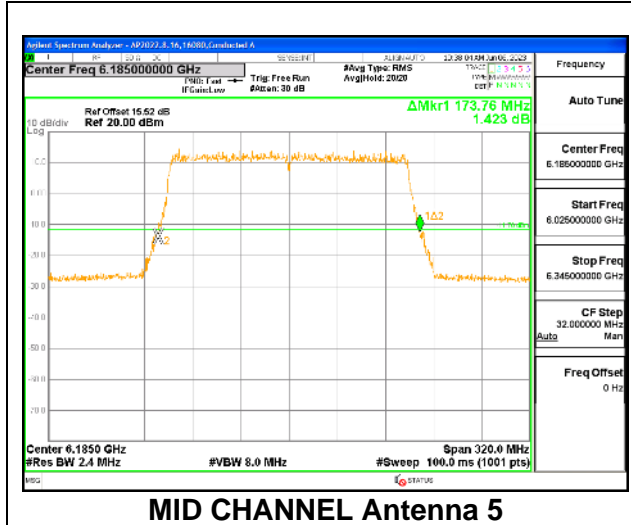
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6025	173.44
Mid	6185	175.68
High	6345	176.32



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6025	175.36	174.40
Mid	6185	173.76	173.12
High	6345	175.36	172.80

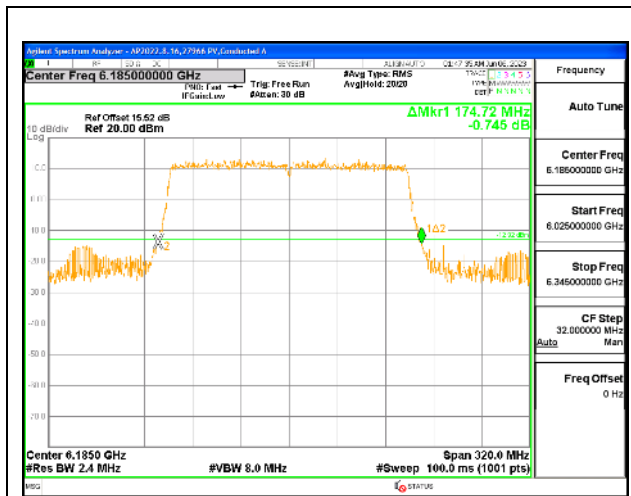
MID CHANNEL



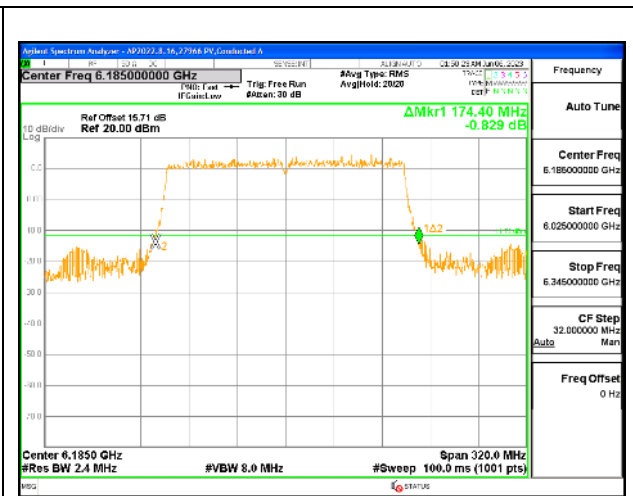
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6025	175.04	174.40	174.72	174.40
Mid	6185	174.72	174.40	173.76	174.08
High	6345	174.08	173.12	174.08	173.44

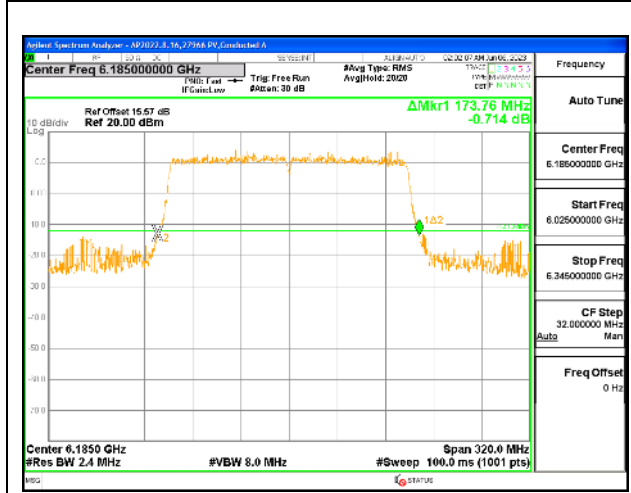
MID CHANNEL



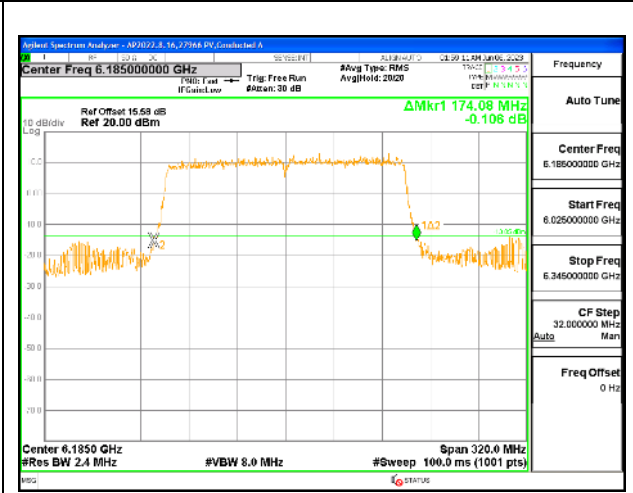
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

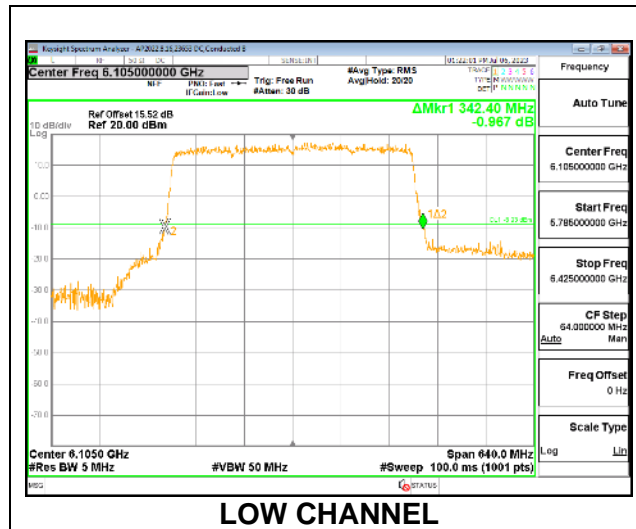


MID CHANNEL Antenna 10

9.2.9. 802.11be EHT320 MODE IN THE UNII-5 BAND

1TX Antenna 5 OFDMA MODE: 4x 996-Tones, Index S69

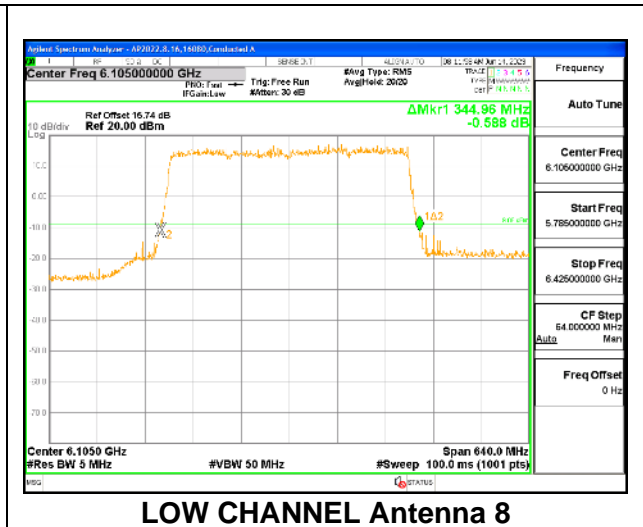
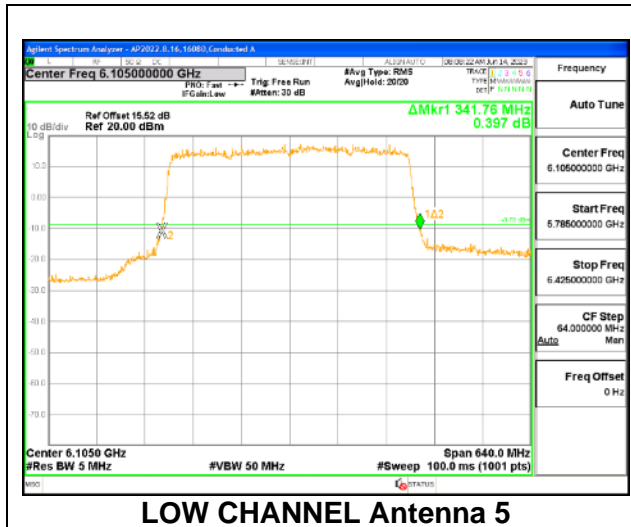
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6105	342.40
High	6265	344.32



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 4x 996-Tones, Index S69

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6105	341.76	344.96
High	6265	343.04	343.04

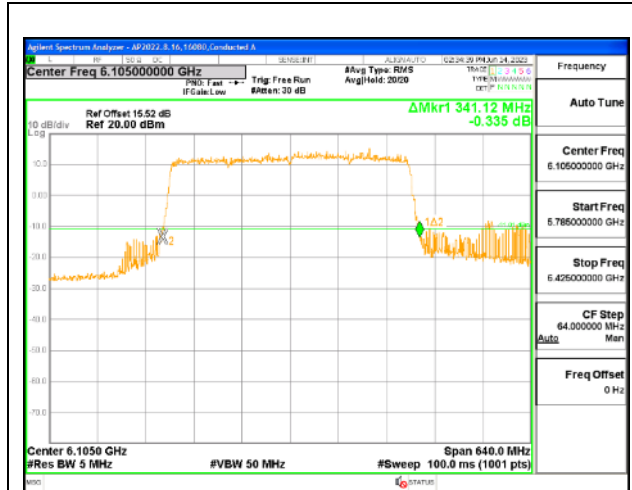
LOW CHANNEL



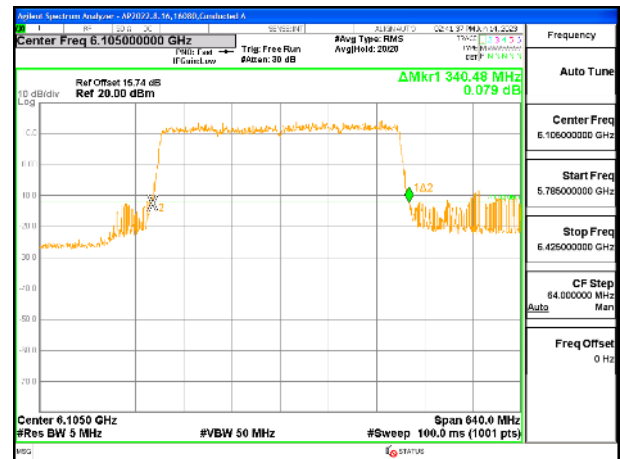
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 4x 996-Tones, Index S69

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6105	341.12	340.48	340.48	338.56
High	6265	346.24	349.44	343.68	344.96

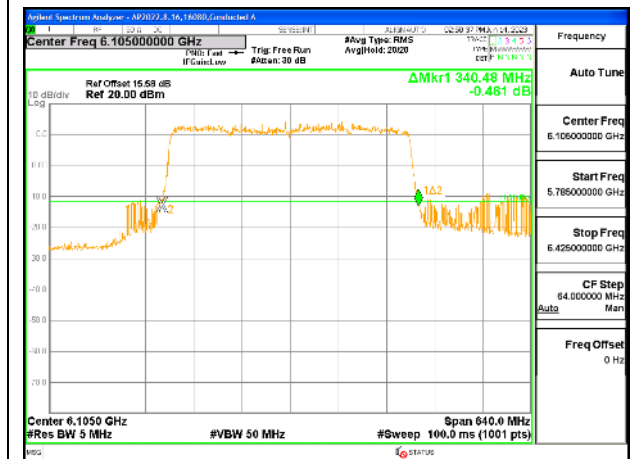
LOW CHANNEL



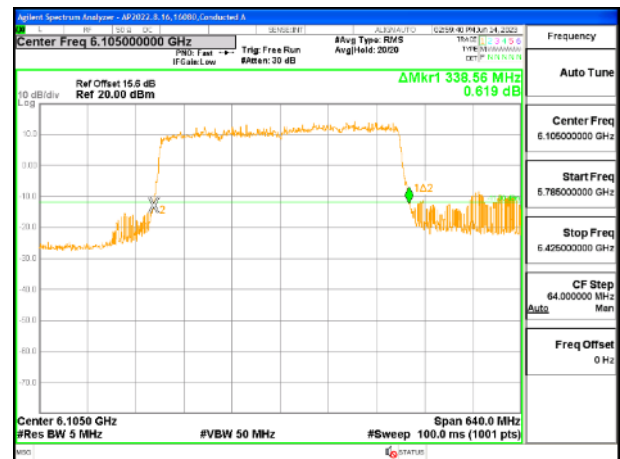
LOW CHANNEL Antenna 5



LOW CHANNEL Antenna 8



LOW CHANNEL Antenna 3

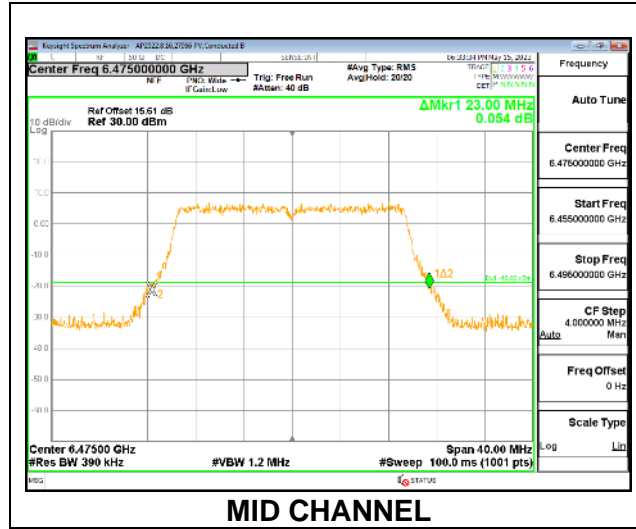


LOW CHANNEL Antenna 10

9.2.10. 802.11ax HE20 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 242-Tones, RU Index 61

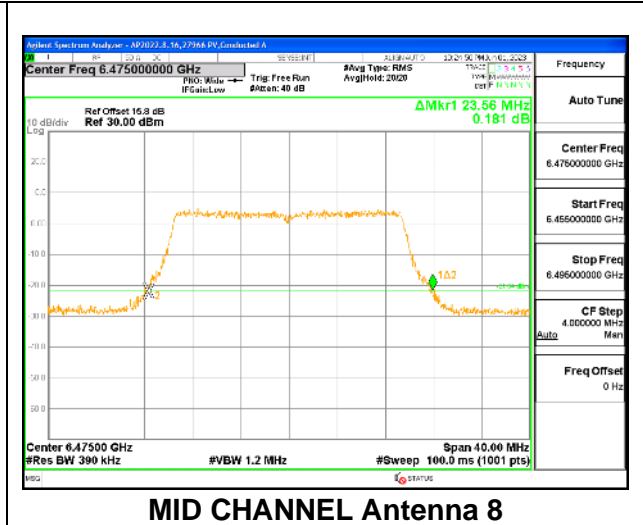
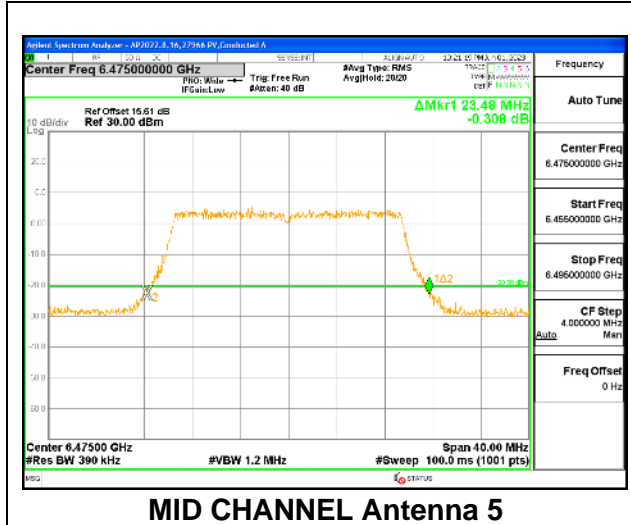
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6435	23.40
Mid	6475	23.00
High	6515	23.28



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6435	23.36	23.64
Mid	6475	23.48	23.56
High	6515	23.56	23.20

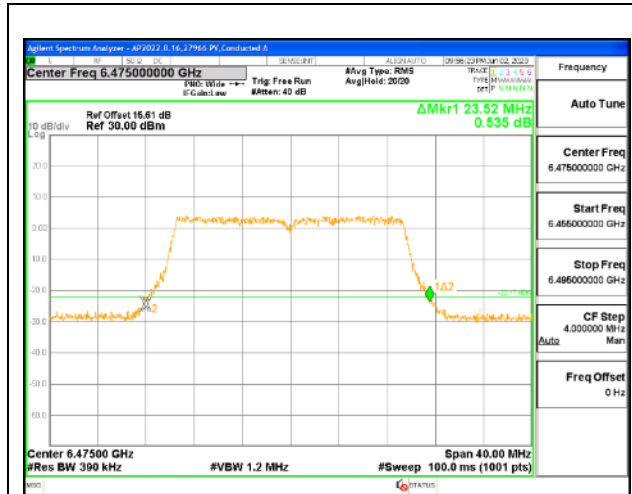
MID CHANNEL



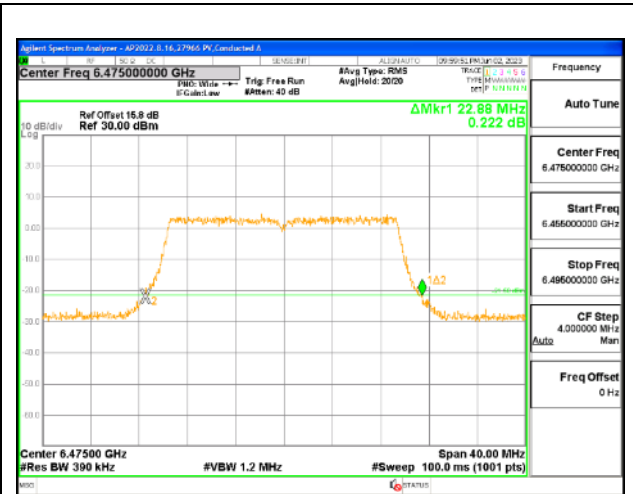
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6435	23.52	23.16	22.84	22.84
Mid	6475	23.52	22.88	22.80	22.88
High	6515	23.16	23.00	22.72	22.76

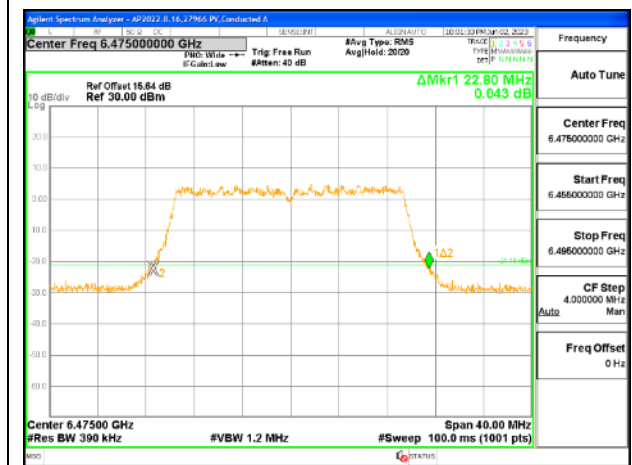
MID CHANNEL



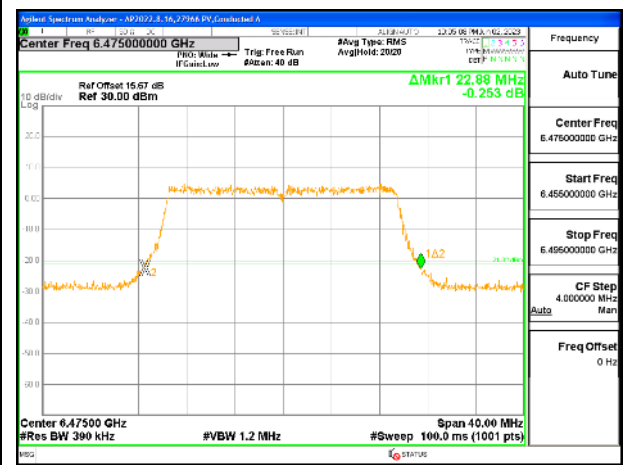
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

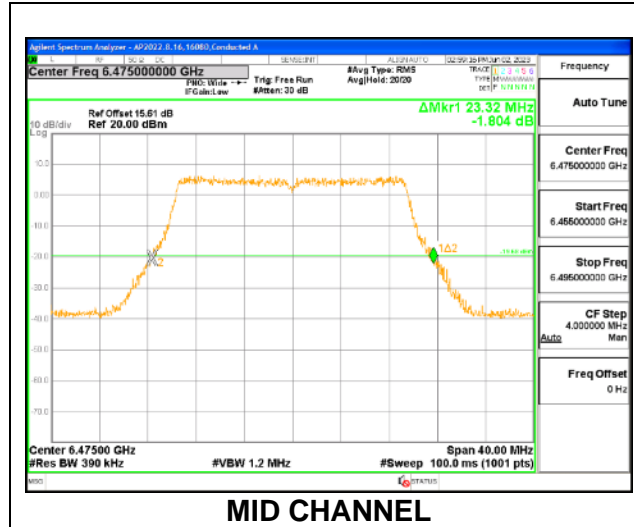


MID CHANNEL Antenna 10

9.2.11. 802.11be EHT20 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 242-Tones, RU Index 61

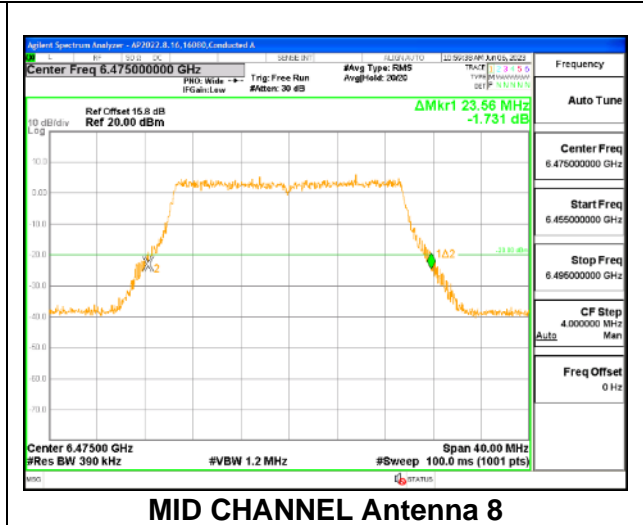
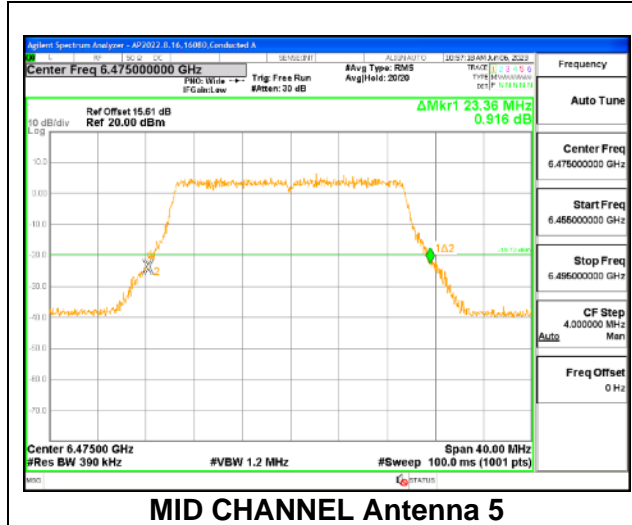
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6435	23.64
Mid	6475	23.32
High	6515	23.44



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6435	23.20	23.80
Mid	6475	23.36	23.56
High	6515	23.40	23.92

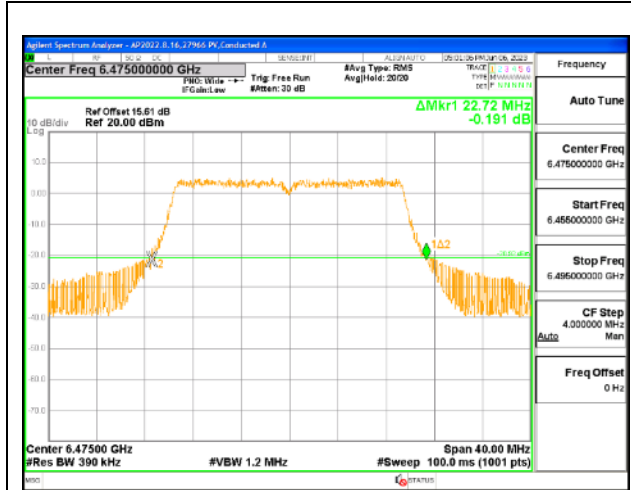
MID CHANNEL



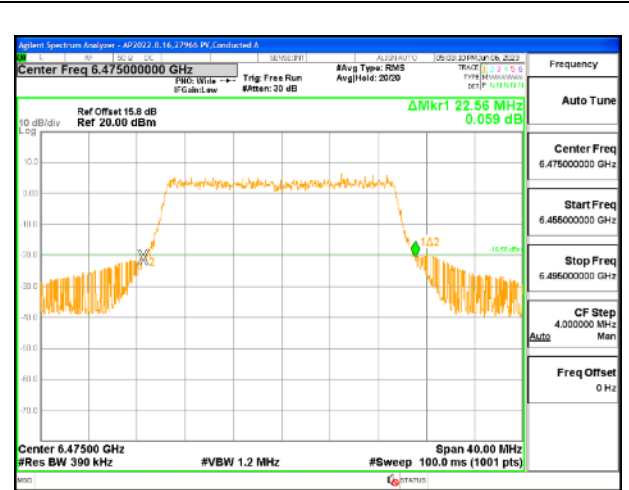
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6435	22.68	22.36	22.72	22.32
Mid	6475	22.72	22.56	22.28	22.48
High	6515	22.72	22.52	22.60	22.52

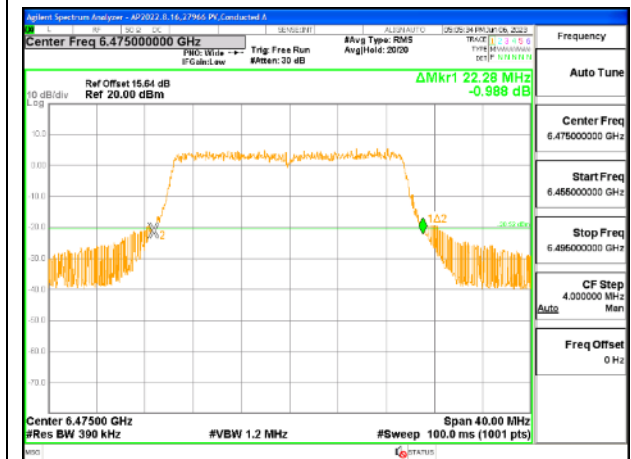
MID CHANNEL



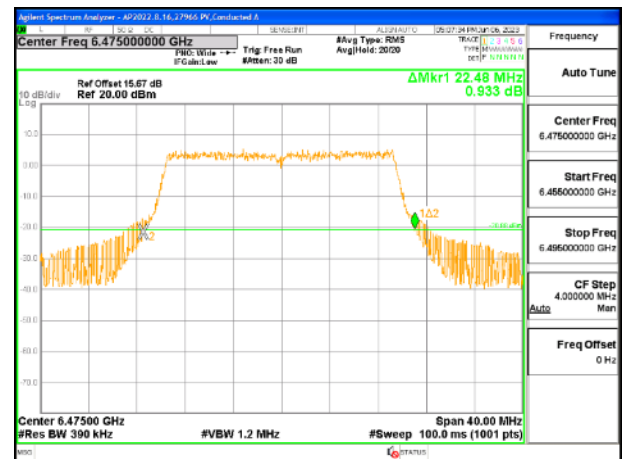
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

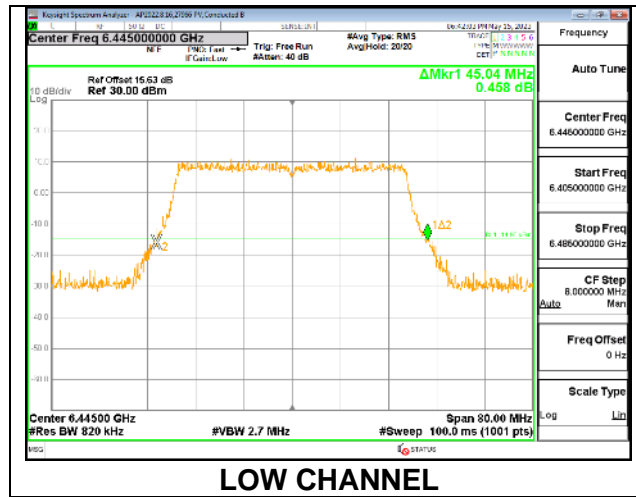


MID CHANNEL Antenna 10

9.2.12. 802.11ax HE40 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 484-Tones, RU Index 65

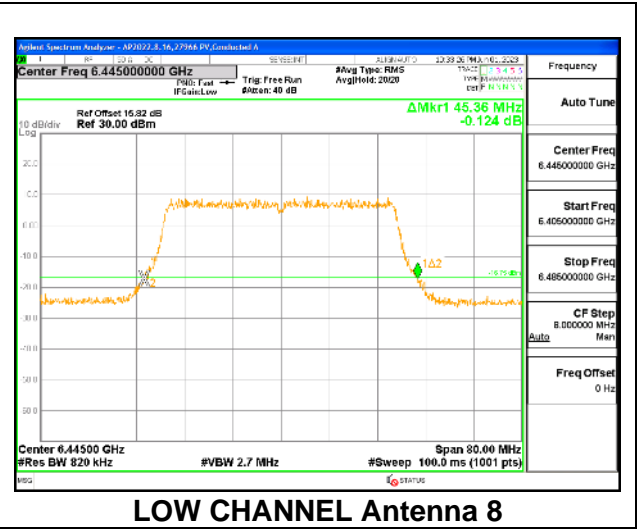
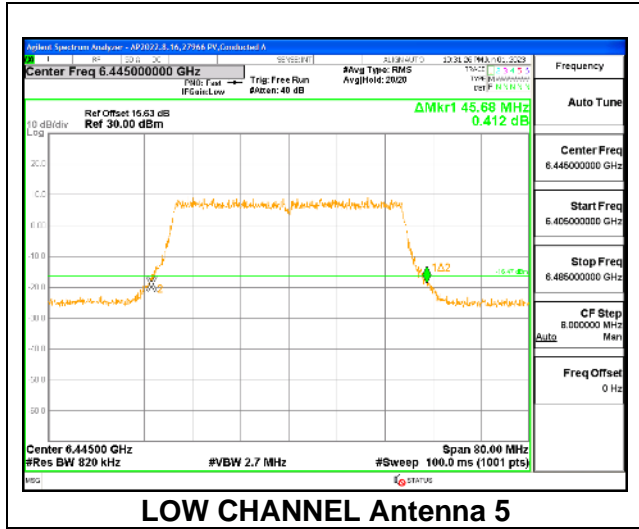
Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	6445	45.04
Straddle	6525	46.00



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6445	45.68	45.36
Straddle	6525	46.64	45.20

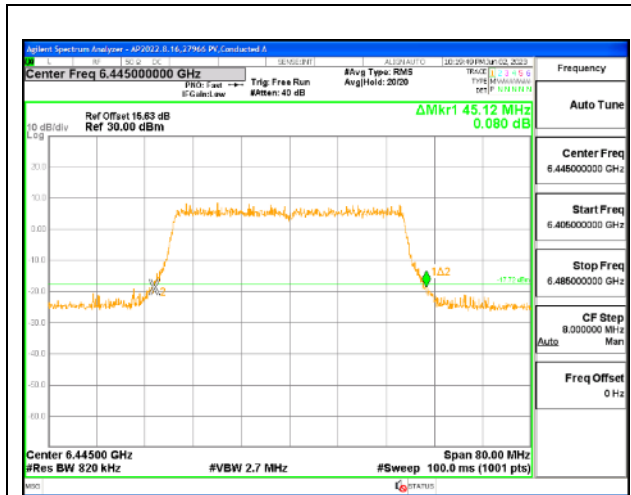
LOW CHANNEL



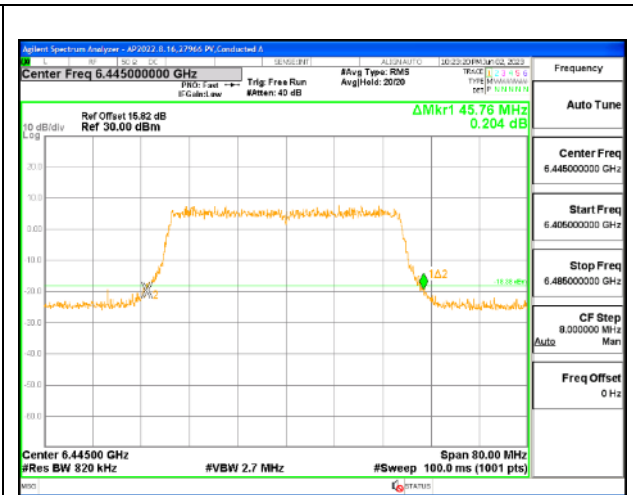
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6445	45.12	45.76	45.52	45.44
Straddle	6525	45.28	44.96	44.56	45.36

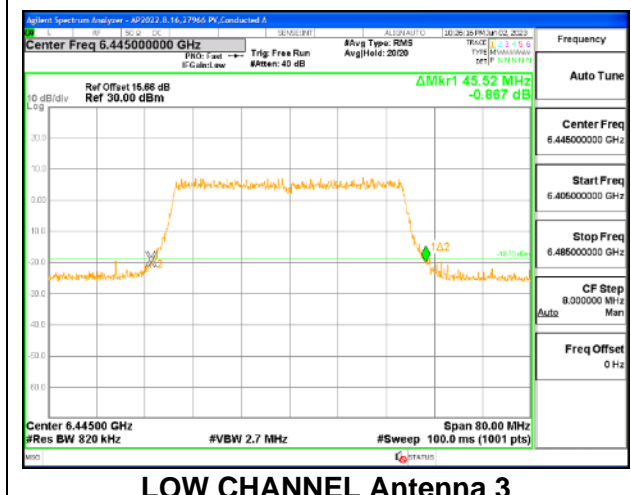
LOW CHANNEL



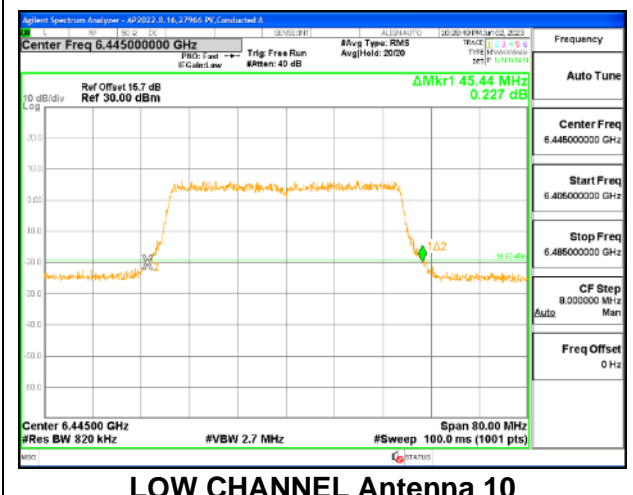
LOW CHANNEL Antenna 5



LOW CHANNEL Antenna 8



LOW CHANNEL Antenna 3

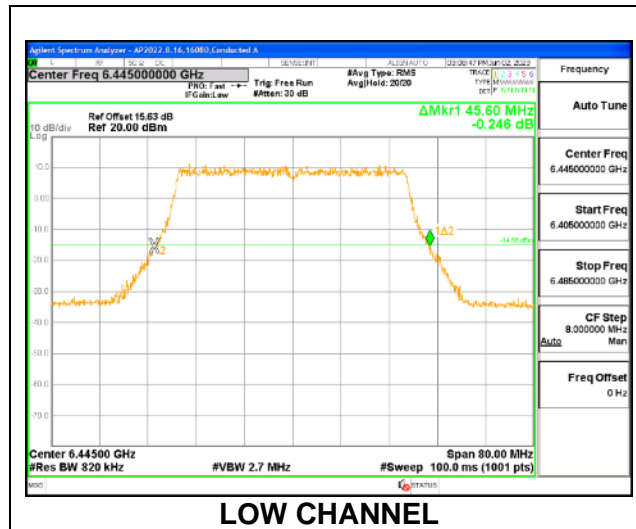


LOW CHANNEL Antenna 10

9.2.13. 802.11be EHT40 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 484-Tones, RU Index 65

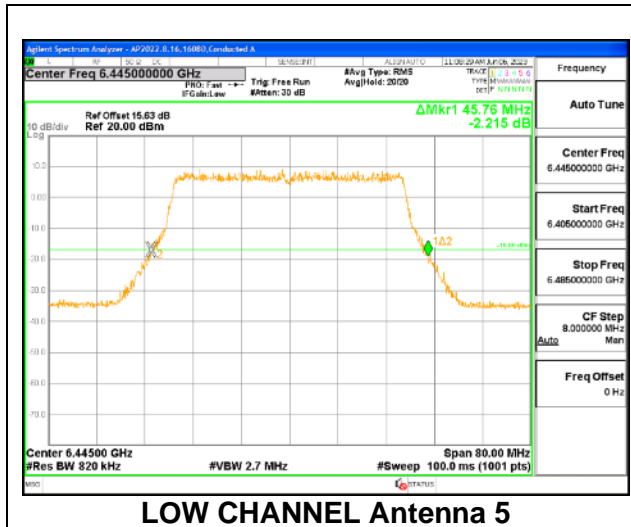
Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	6445	45.60
Straddle	6525	46.00



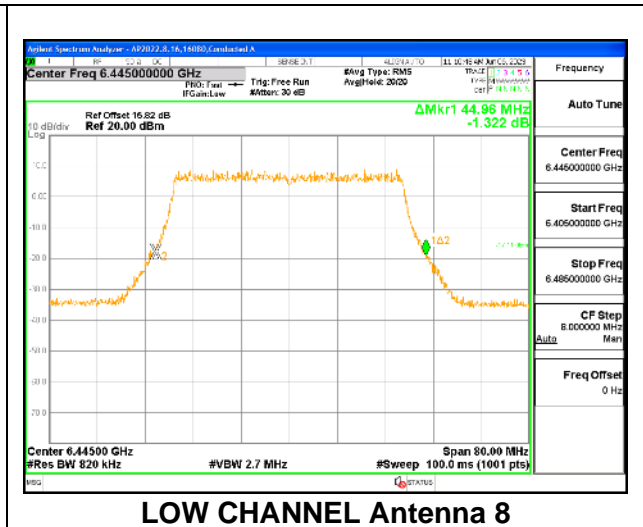
2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	6445	45.76	44.96
Straddle	6525	46.24	45.60

LOW CHANNEL



LOW CHANNEL Antenna 5

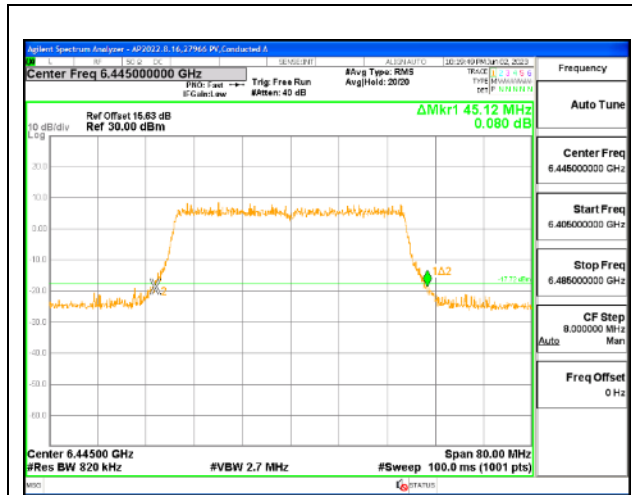


LOW CHANNEL Antenna 8

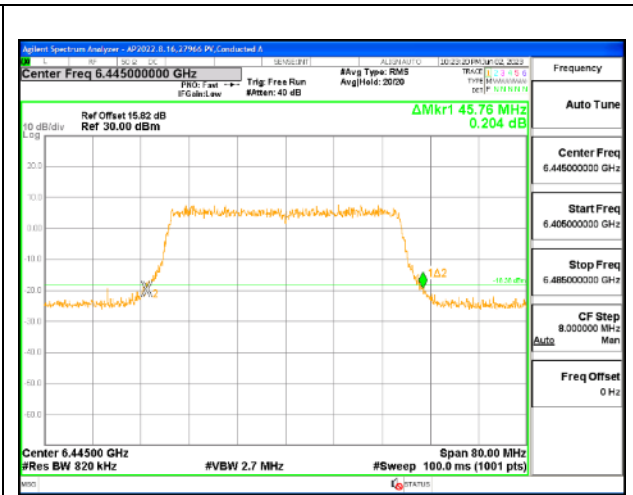
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Low	6445	45.12	45.76	45.52	45.44
Straddle	6525	45.28	44.72	44.32	45.12

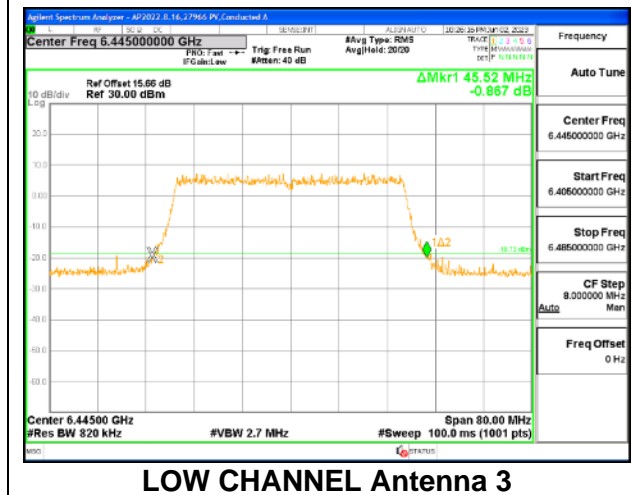
LOW CHANNEL



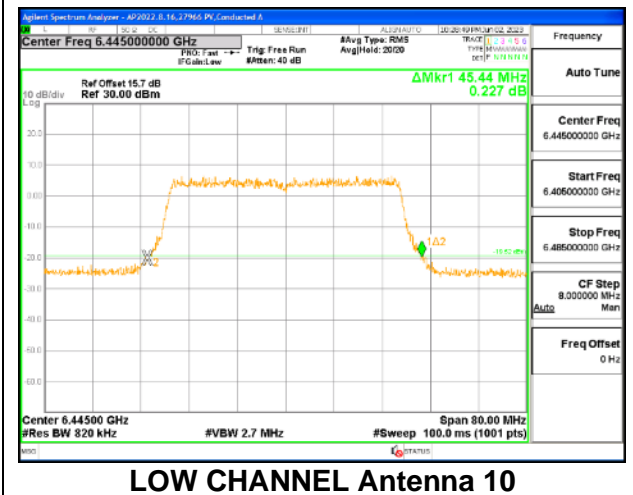
LOW CHANNEL Antenna 5



LOW CHANNEL Antenna 8



LOW CHANNEL Antenna 3

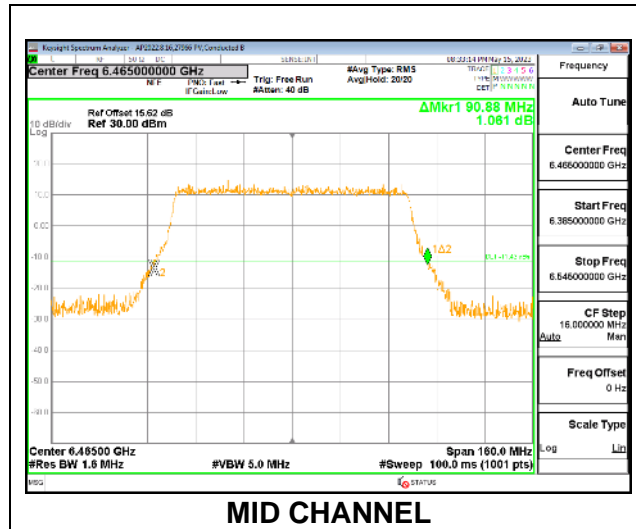


LOW CHANNEL Antenna 10

9.2.14. 802.11ax HE80 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 996-Tones, RU Index 67

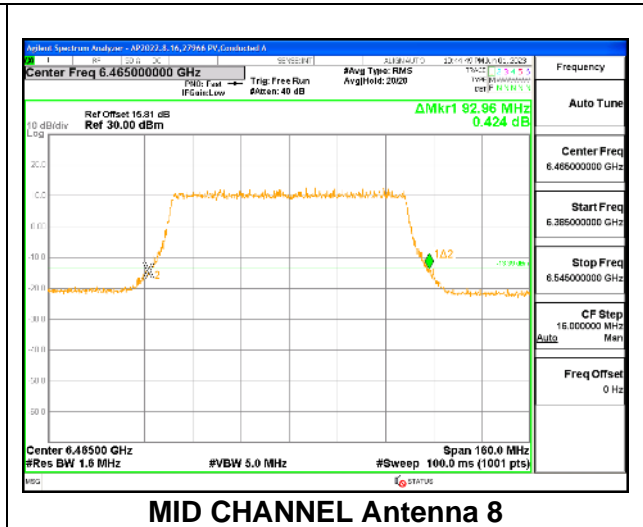
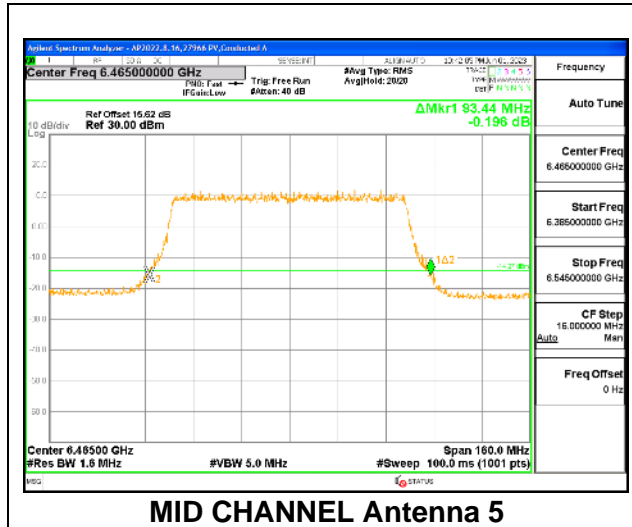
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	6465	90.88



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	6465	93.44	92.96

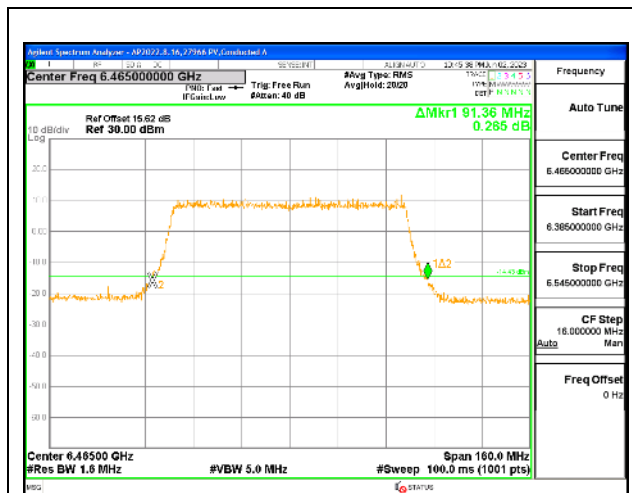
MID CHANNEL



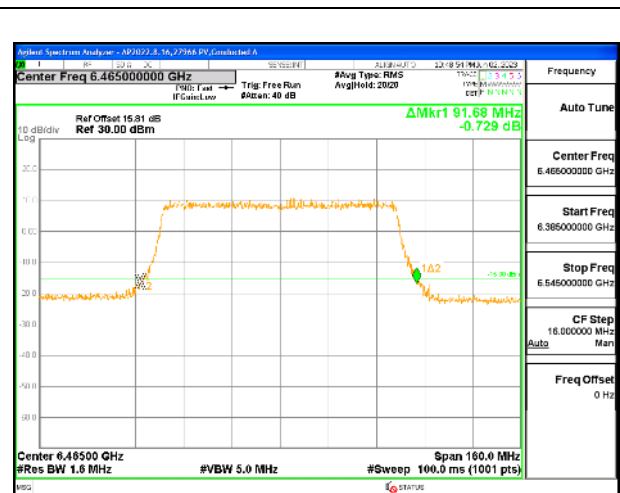
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Mid	6465	91.36	91.68	91.84	91.36

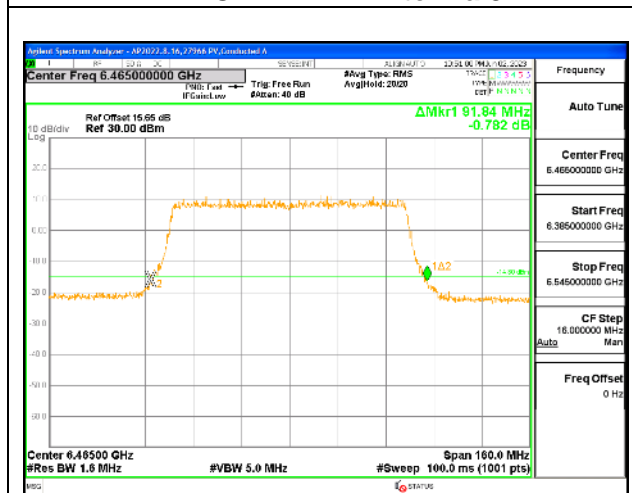
MID CHANNEL



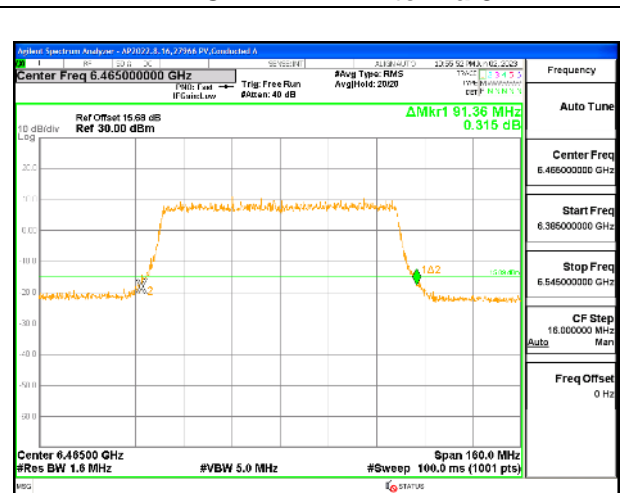
MID CHANNEL Antenna 5



MID CHANNEL Antenna 8



MID CHANNEL Antenna 3

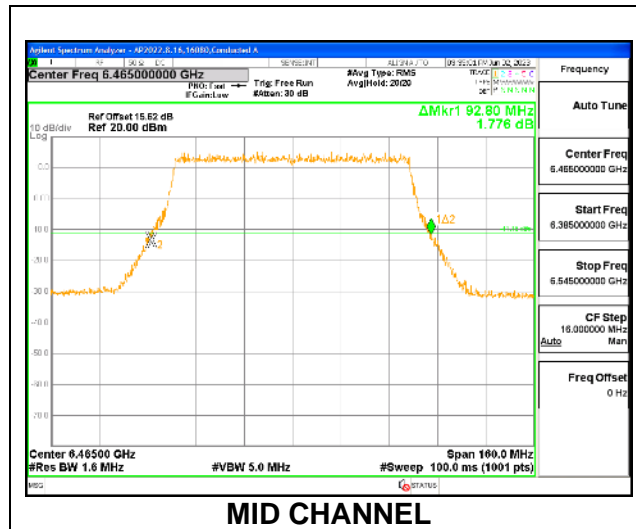


MID CHANNEL Antenna 10

9.2.15. 802.11be EHT80 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 996-Tones, RU Index 67

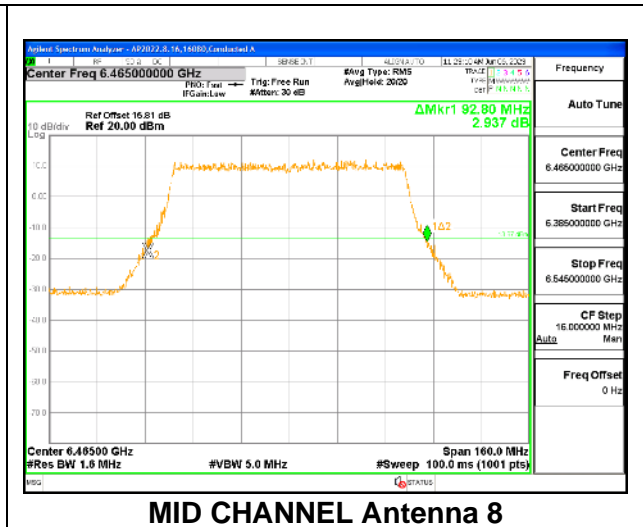
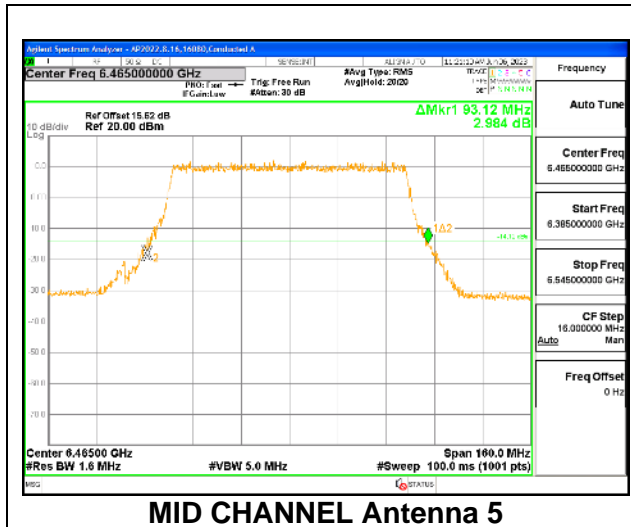
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	6465	92.80



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	6465	93.12	92.80

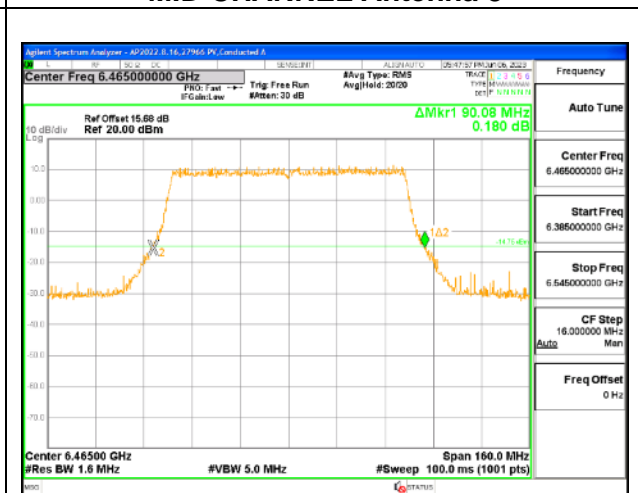
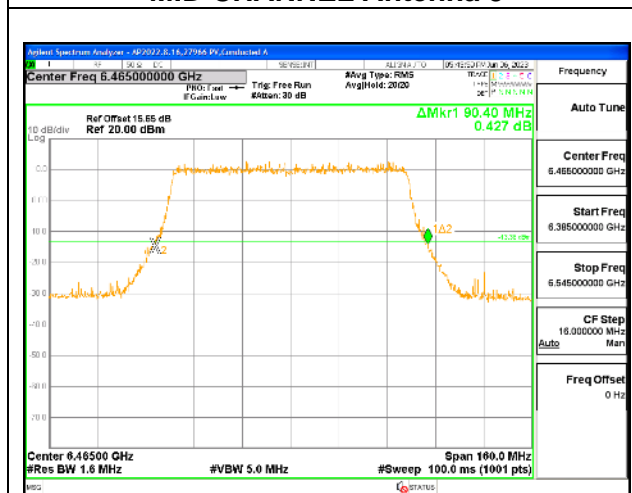
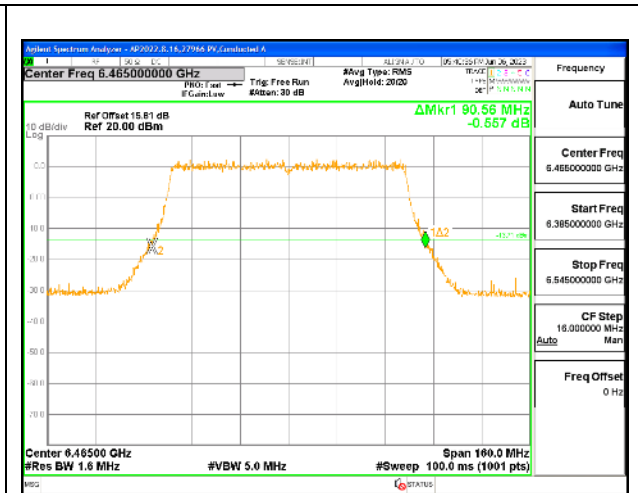
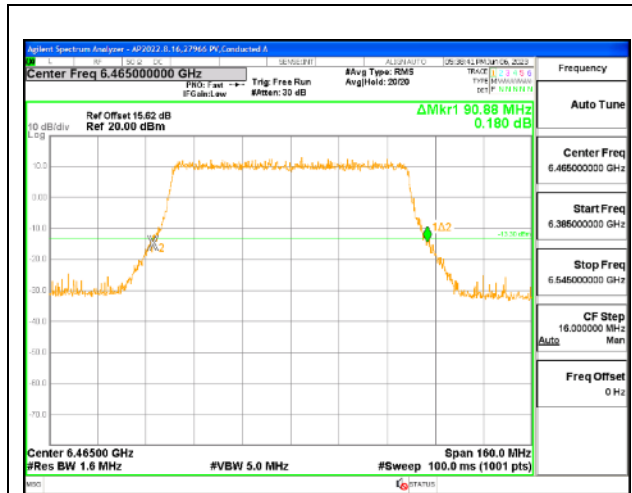
MID CHANNEL



4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Mid	6465	90.88	90.56	90.40	90.08

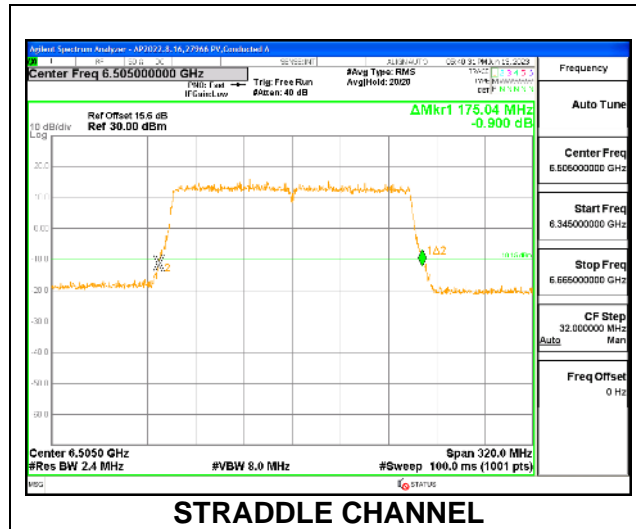
MID CHANNEL



9.2.16. 802.11ax HE160 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 2x 996-Tones, Index S68

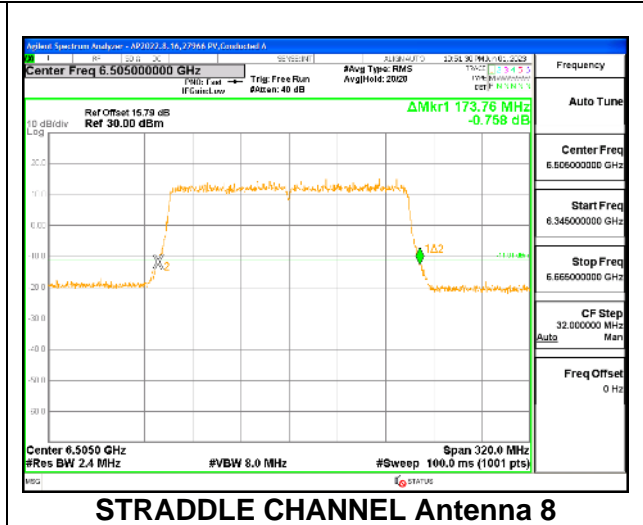
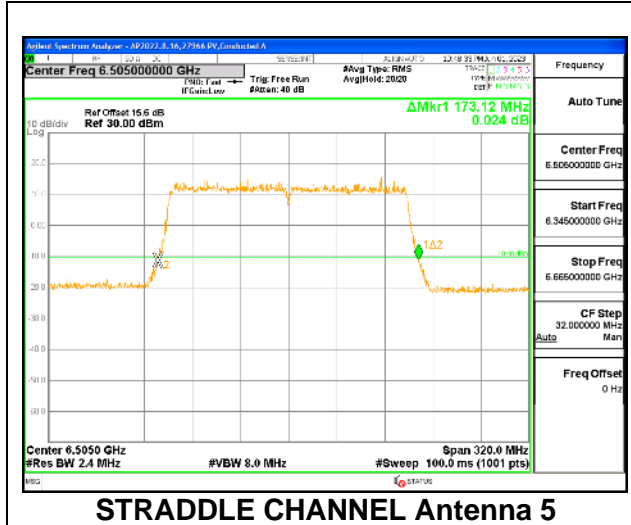
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Straddle	6505	175.04



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Straddle	6505	173.12	173.76

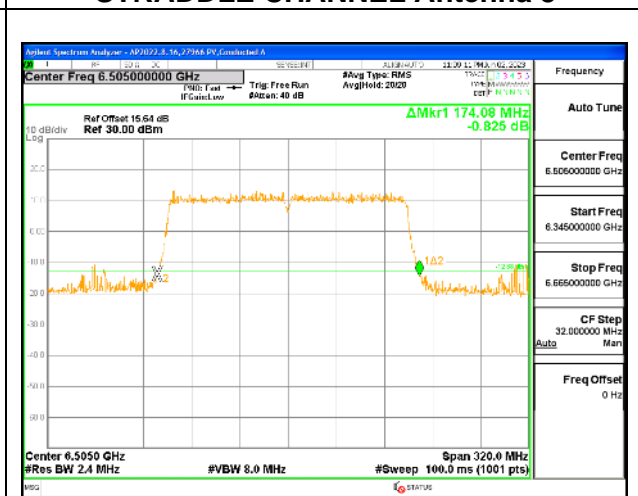
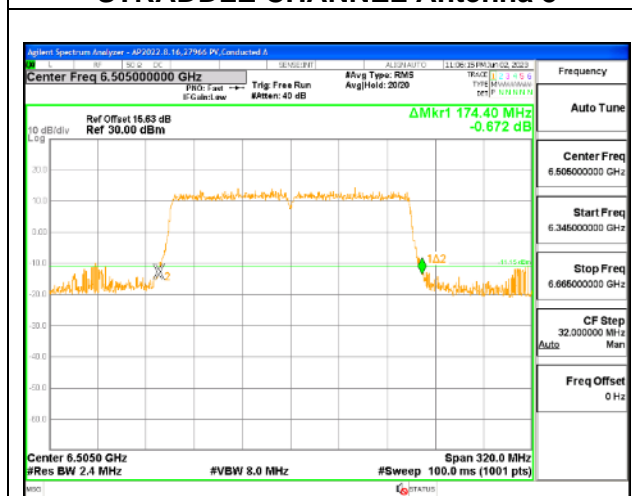
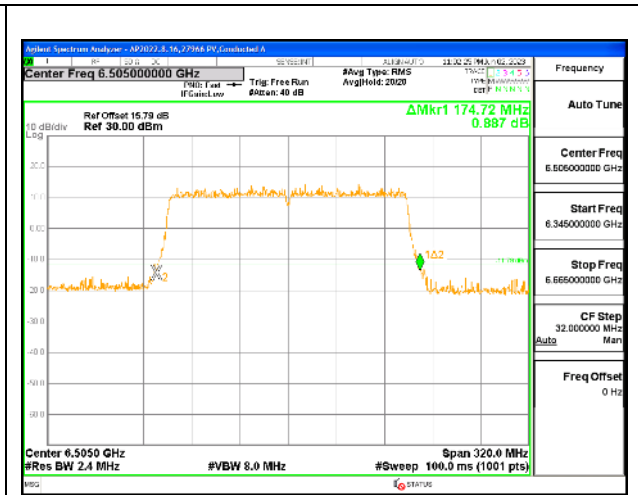
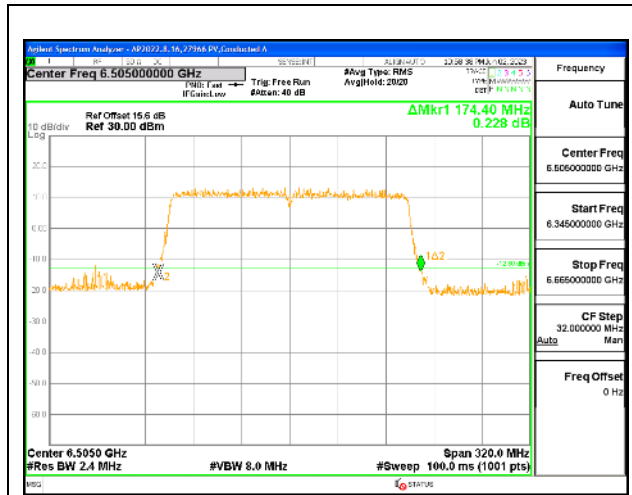
STRADDLE CHANNEL



4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Straddle	6505	174.40	174.72	174.40	174.08

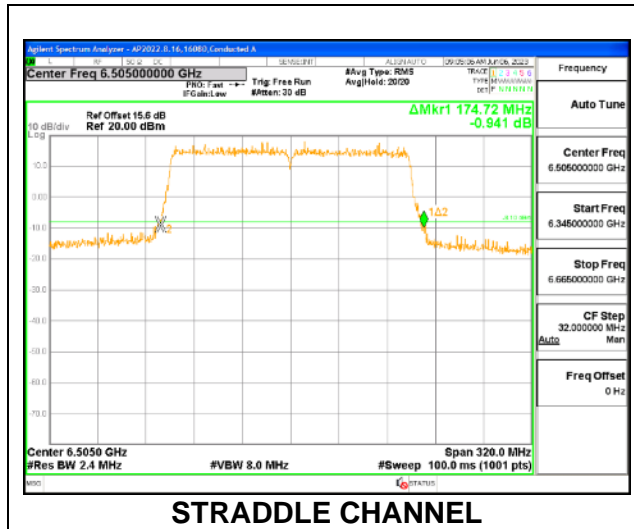
STRADDLE CHANNEL



9.2.17. 802.11be EHT160 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 2x 996-Tones, Index S68

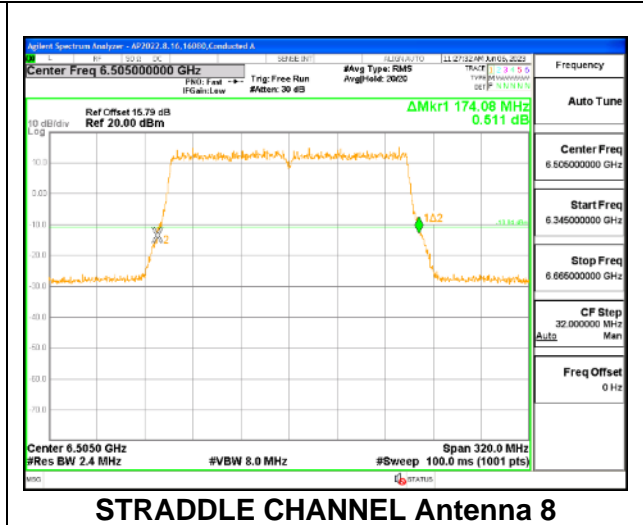
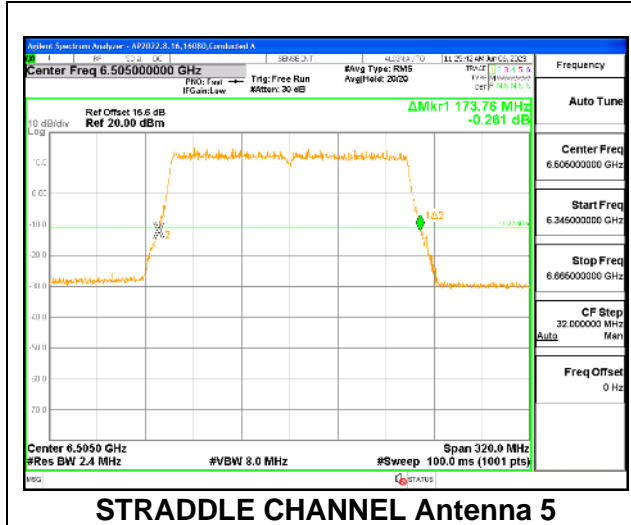
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Straddle	6505	174.72



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Straddle	6505	173.76	174.08

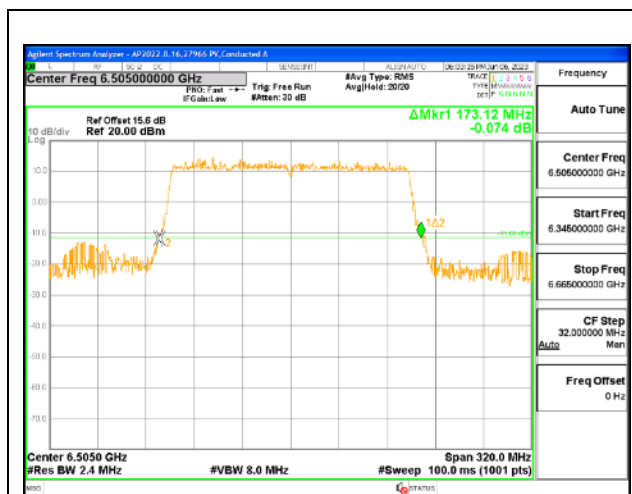
STRADDLE CHANNEL



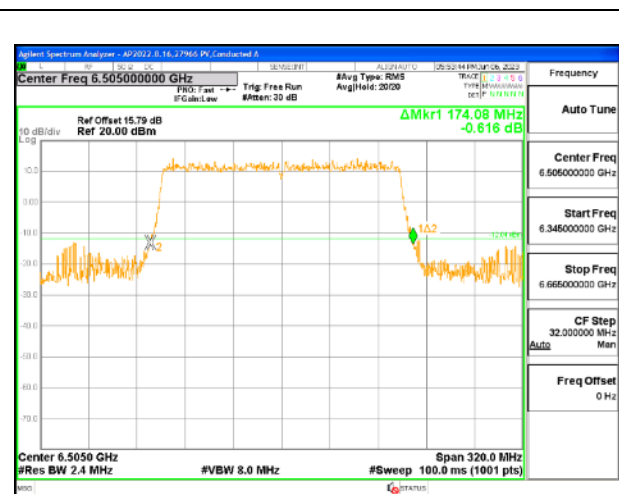
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 2x 996-Tones, Index S68

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Straddle	6505	173.12	174.08	173.76	173.44

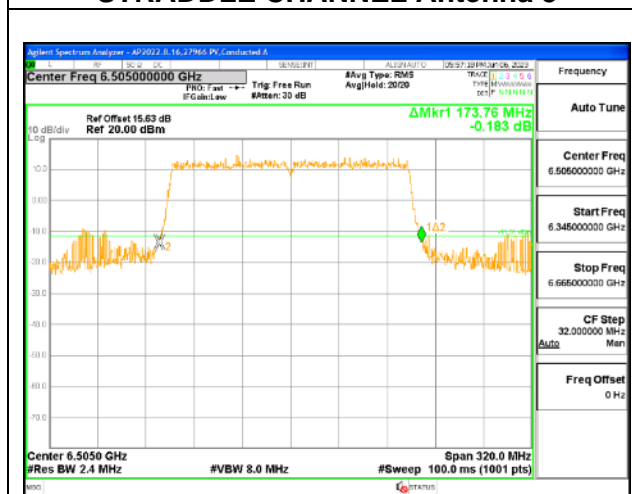
STRADDLE CHANNEL



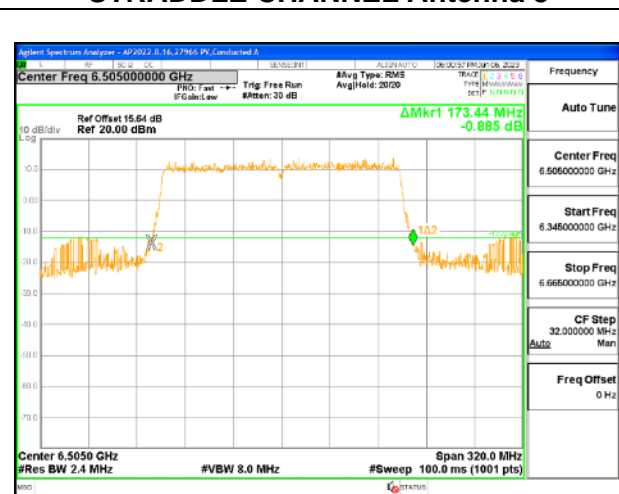
STRADDLE CHANNEL Antenna 5



STRADDLE CHANNEL Antenna 8



STRADDLE CHANNEL Antenna 3

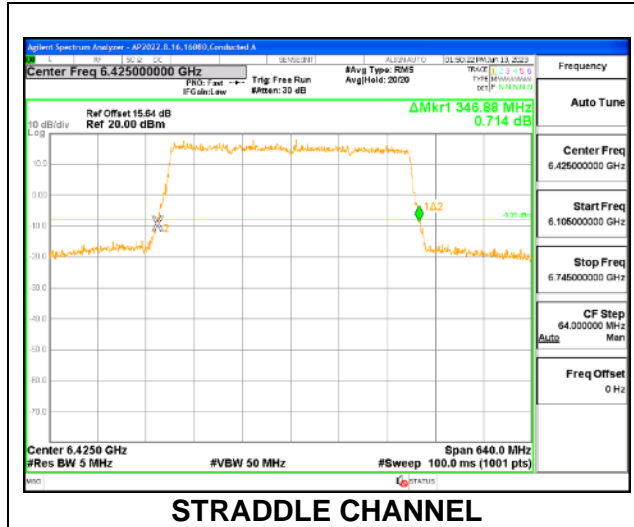


STRADDLE CHANNEL Antenna 10

9.2.18. 802.11be EHT320 MODE IN THE UNII-6 BAND

1TX Antenna 5 OFDMA MODE: 4x 996-Tones, Index S69

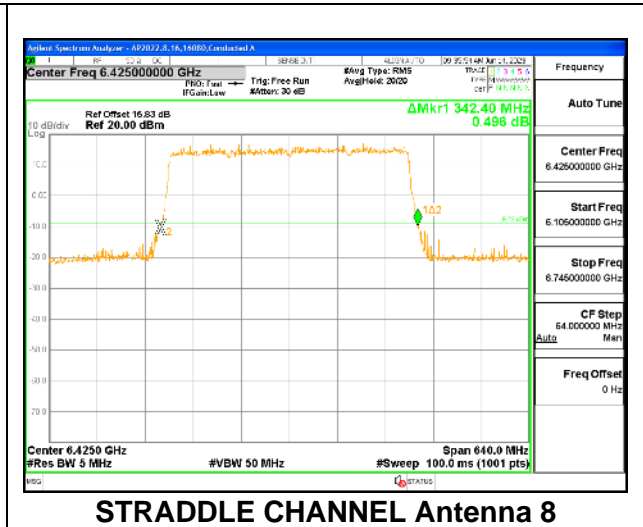
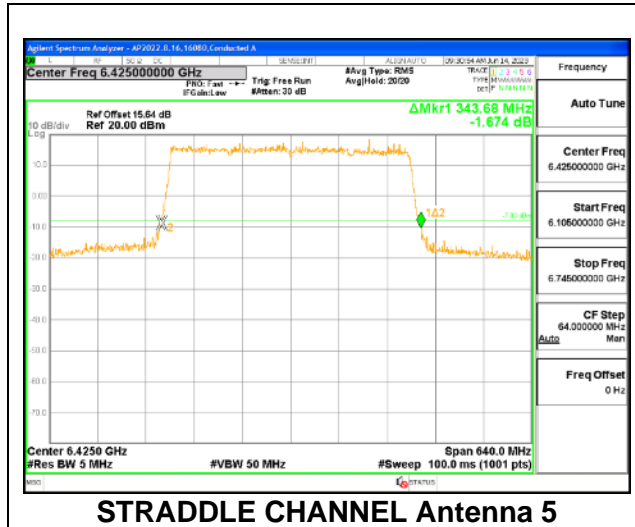
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Straddle	6425	346.88



2TX Antenna 5 + Antenna 8 CDD OFDMA MODE: 4x 996-Tones, Index S69

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Straddle	6425	343.68	342.40

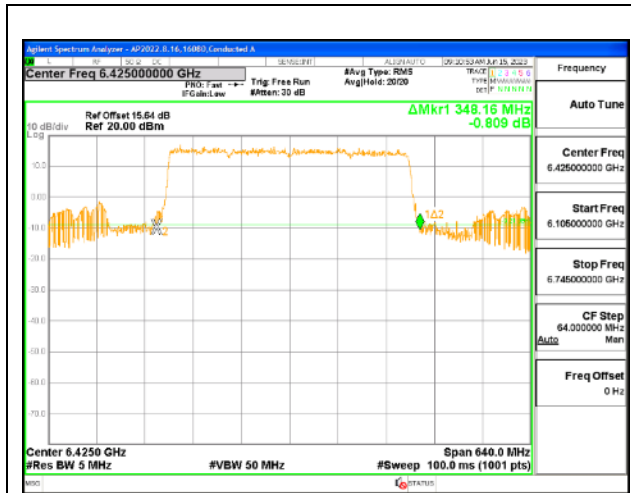
STRADDLE CHANNEL



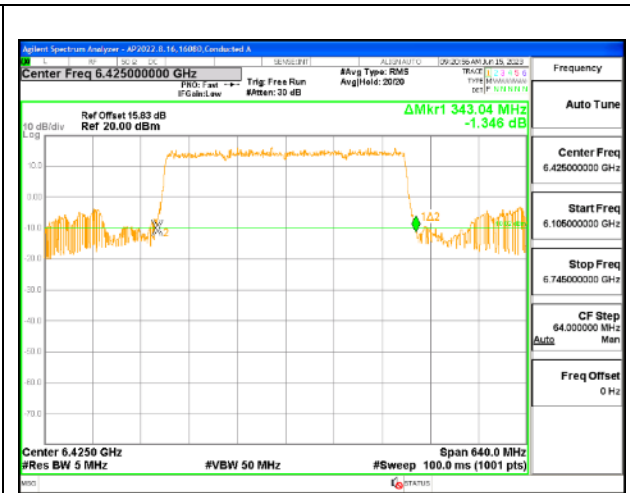
4TX Antenna 5 + Antenna 8 + Antenna 3+ Antenna 10 CDD OFDMA MODE: 4x 996-Tones, Index S69

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)	26 dB Bandwidth Chain 2 (MHz)	26 dB Bandwidth Chain 3 (MHz)
Straddle	6425	348.16	343.04	351.36	344.96

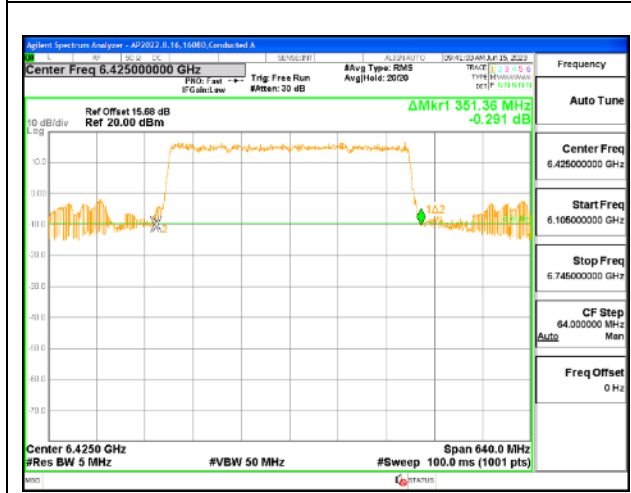
STRADDLE CHANNEL



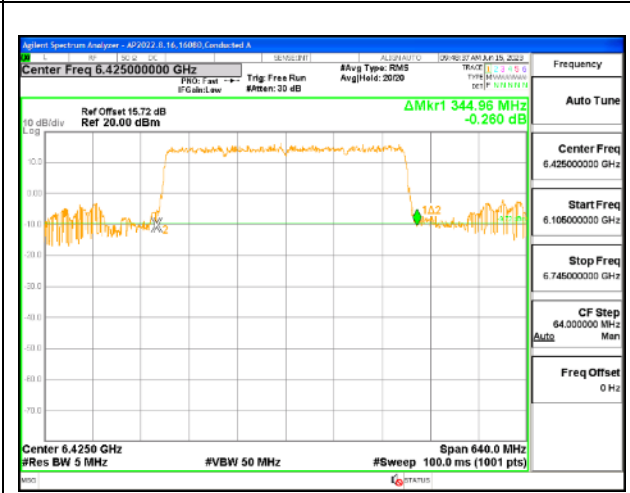
STRADDLE CHANNEL Antenna 5



STRADDLE CHANNEL Antenna 8



STRADDLE CHANNEL Antenna 3



STRADDLE CHANNEL Antenna 10

9.2.19. 802.11ax HE20 MODE IN THE UNII-7 BAND

1TX Antenna 5 OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	6535	23.24
Mid	6715	23.36
Straddle	6875	23.32

