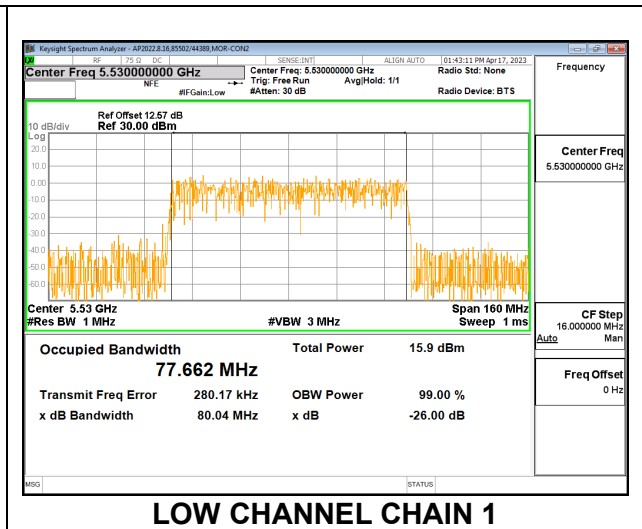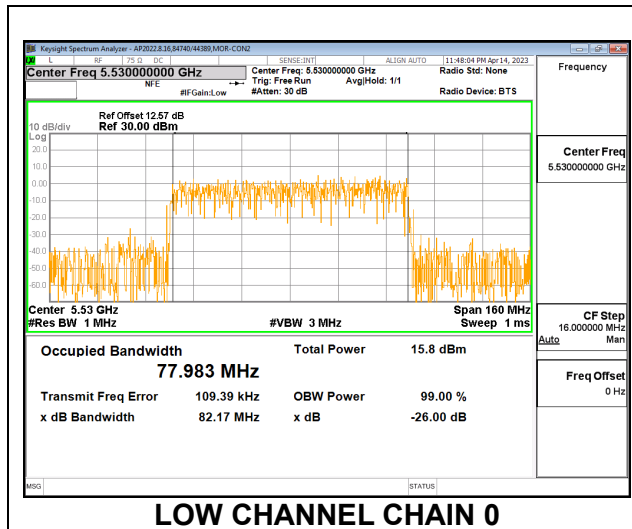## 9.2.25.   802.11ax HE80 MODE IN THE 5.6 GHz BAND
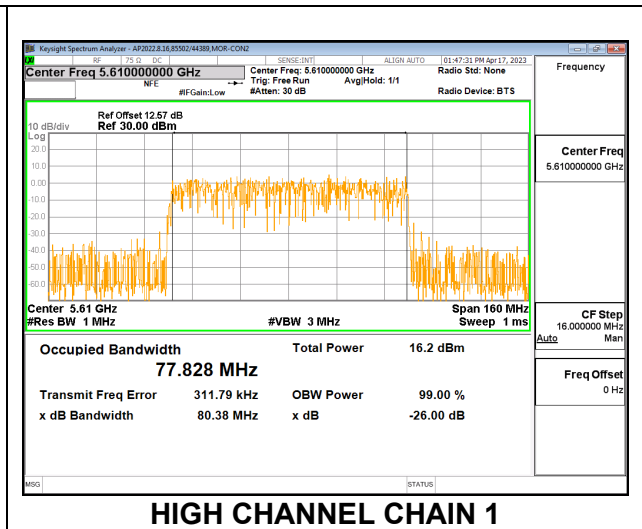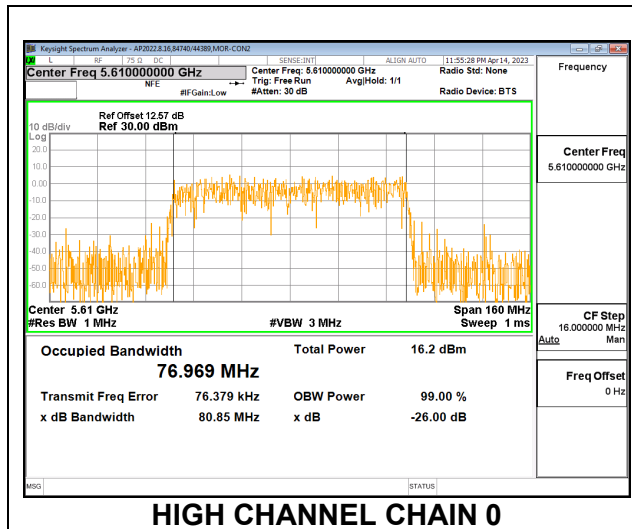
2TX CDD MODE – 996T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5530	77.983	77.662
High	5610	76.969	77.828
138	5690	77.831	77.502

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

CHANNEL 138

	CHANNEL 138 CHAIN 0		CHANNEL 138 CHAIN 1	
Occupied Bandwidth			**Occupied Bandwidth**	
77.831 MHz			**77.502 MHz**	
Total Power	16.8 dBm		Total Power	16.1 dBm
Transmit Freq Error	28.949 kHz		Transmit Freq Error	152.17 kHz
OBW Power	99.00 %		OBW Power	99.00 %
x dB Bandwidth	84.62 MHz		x dB Bandwidth	79.97 MHz
x dB	-26.00 dB		x dB	-26.00 dB

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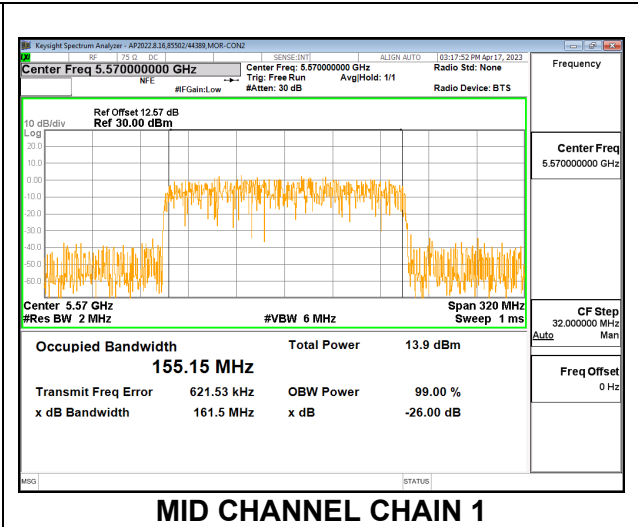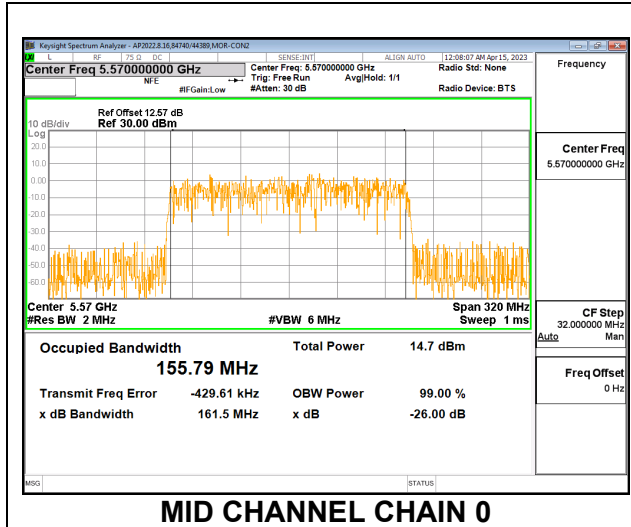
9.2.26.   802.11ax HE160 MODE IN THE 5.6 GHz BAND

2TX CDD MODE – 2x996T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5570	155.79	155.15

MID CHANNEL

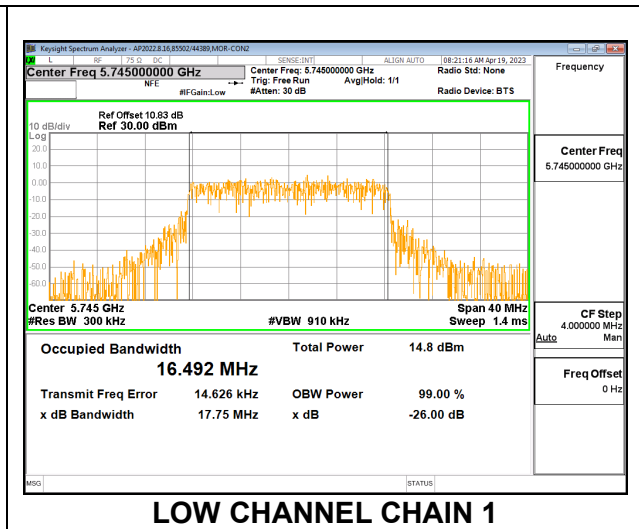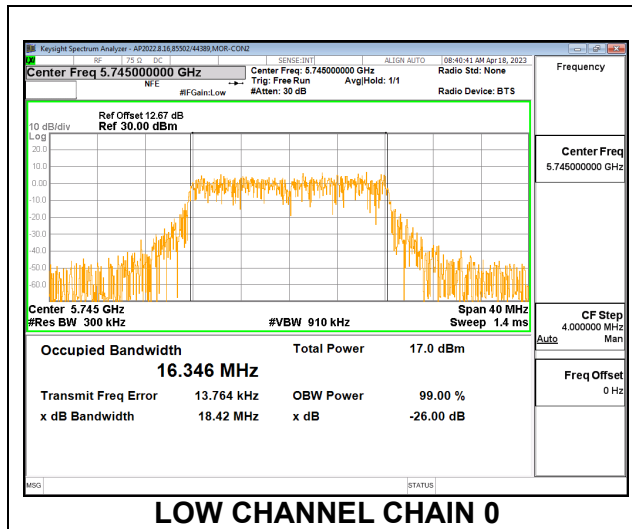**MID CHANNEL CHAIN 0**

MID CHANNEL CHAIN 1

9.2.27. 802.11a MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	16.346	16.492
Mid	5785	16.342	16.425
High	5825	16.382	16.353

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
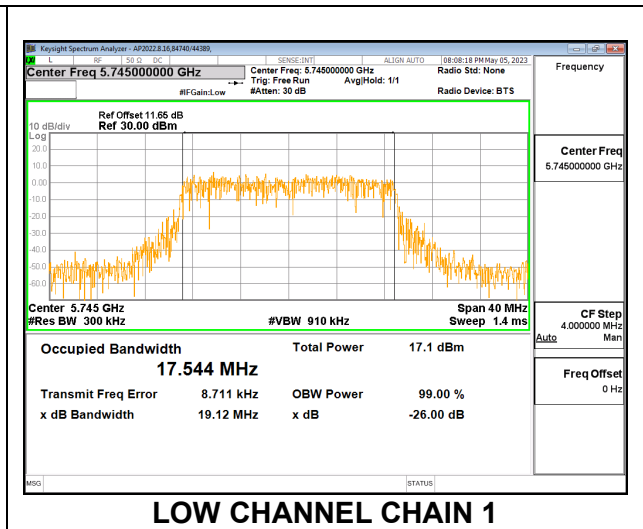

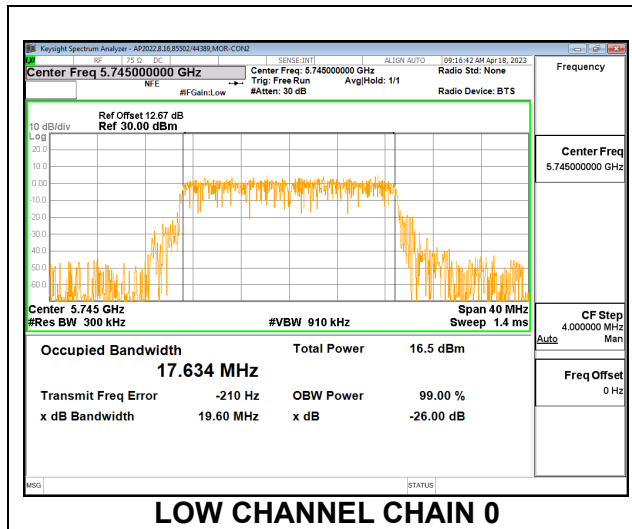**HIGH CHANNEL CHAIN 0**
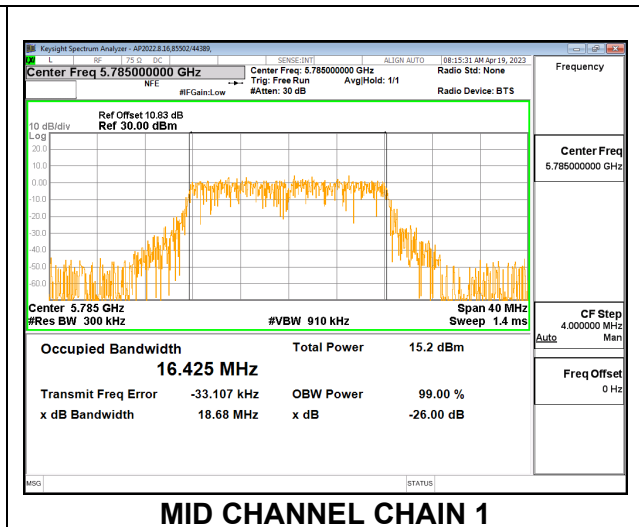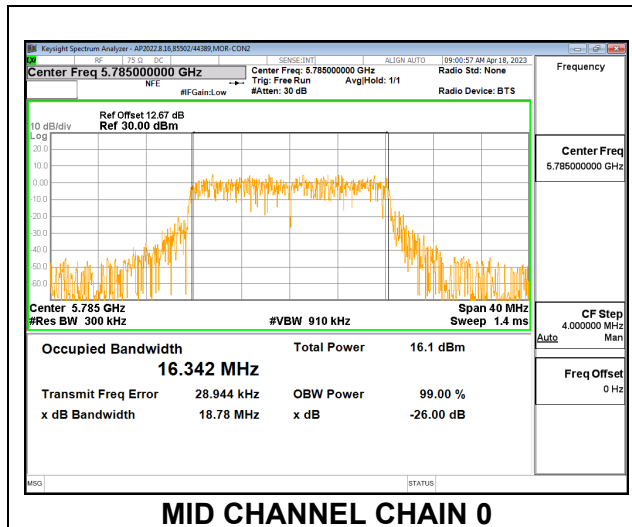
HIGH CHANNEL CHAIN 1
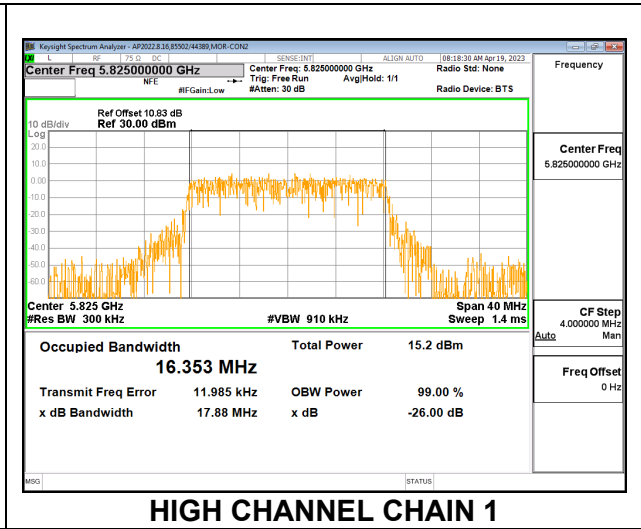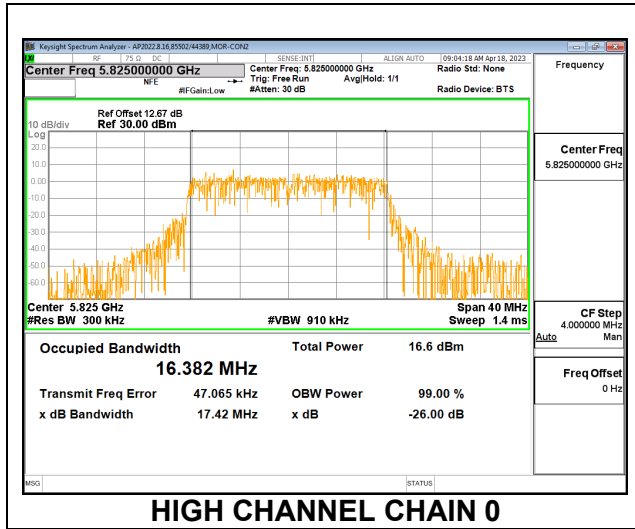
9.2.28.   802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX CDD MODE

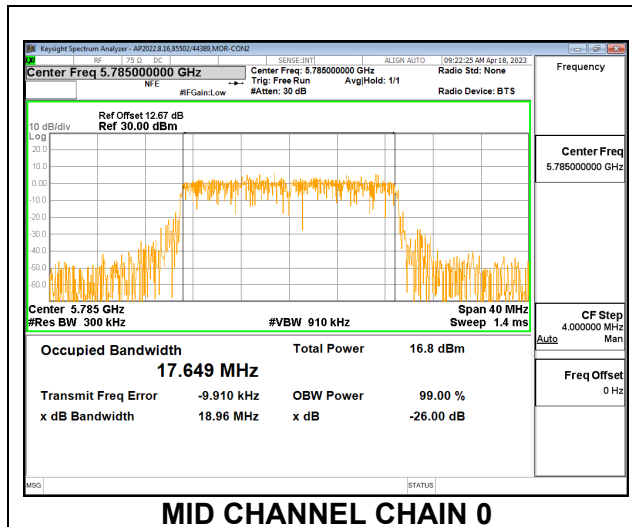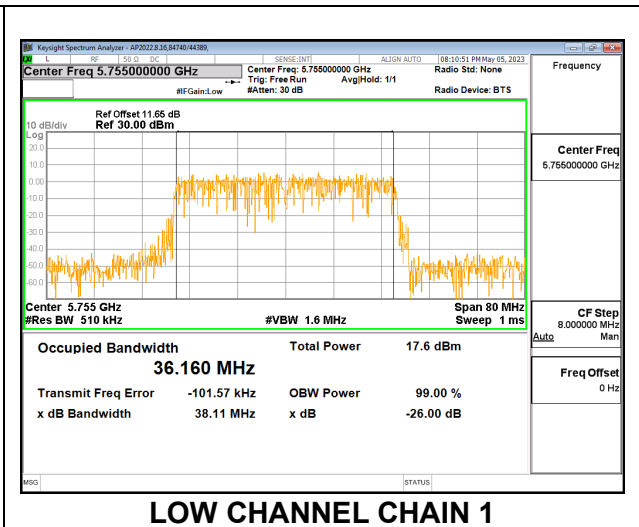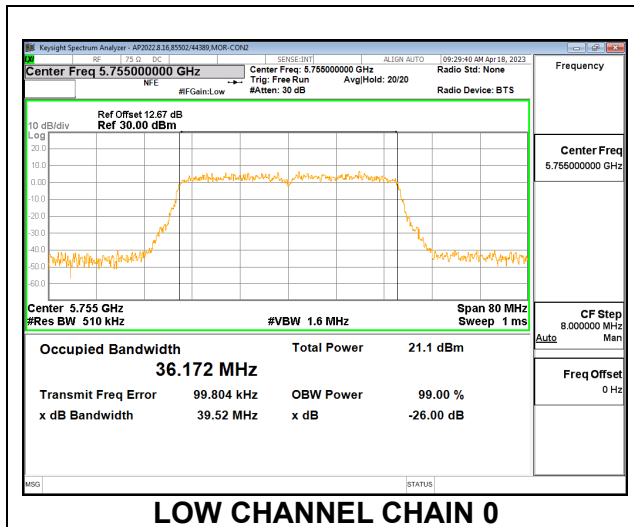| Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	17.634	17.544
Mid	5785	17.649	17.656
High	5825	17.630	17.614

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

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HIGH CHANNEL

HIGH CHANNEL CHAIN 0	HIGH CHANNEL CHAIN 1
Occupied Bandwidth **17.630 MHz**	Occupied Bandwidth **17.614 MHz**
Total Power 16.5 dBm	Total Power 18.4 dBm
Transmit Freq Error -19.958 kHz	Transmit Freq Error -78.070 kHz
OBW Power 99.00 %	OBW Power 99.00 %
x dB Bandwidth 19.58 MHz	x dB Bandwidth 19.35 MHz
x dB -26.00 dB	x dB -26.00 dB

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9.2.29.   802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Low	5755	36.172	36.160
High	5795	36.089	36.166

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0
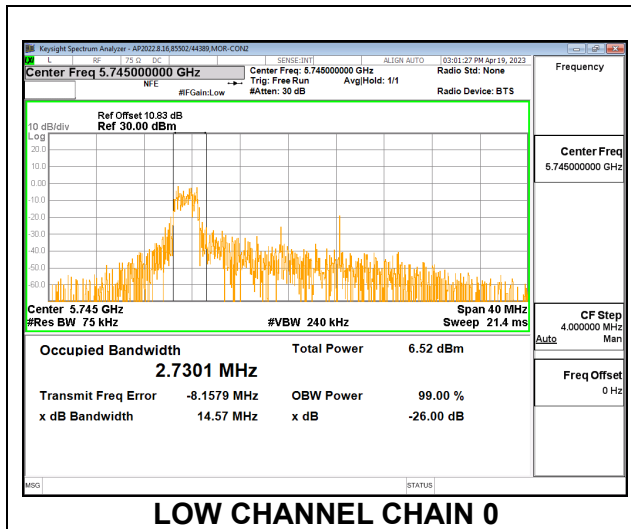

HIGH CHANNEL CHAIN 1
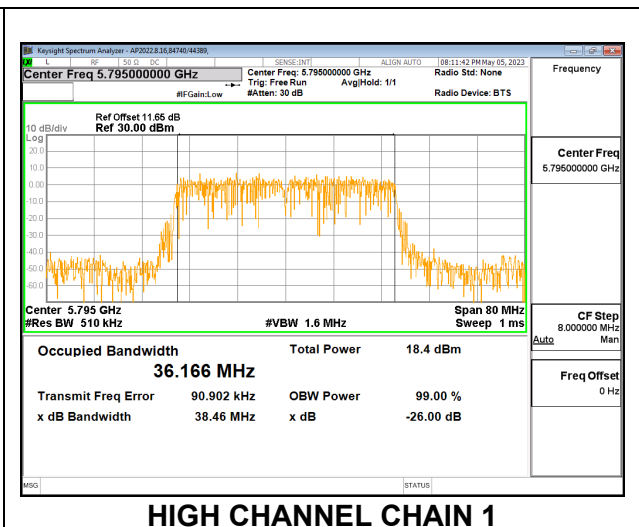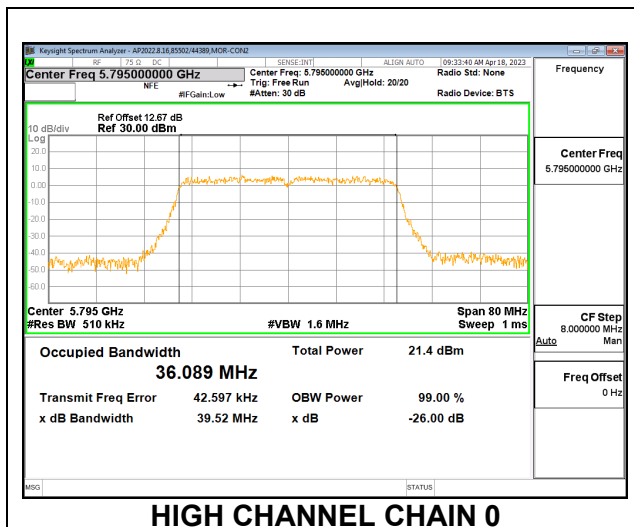
9.2.30.   802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5775	75.593	75.721

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

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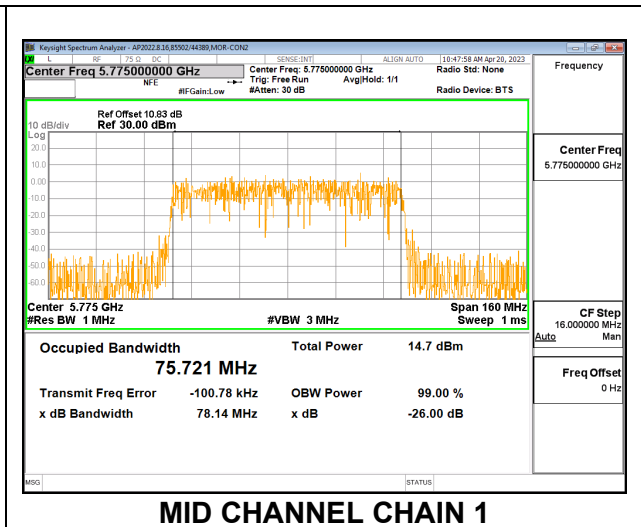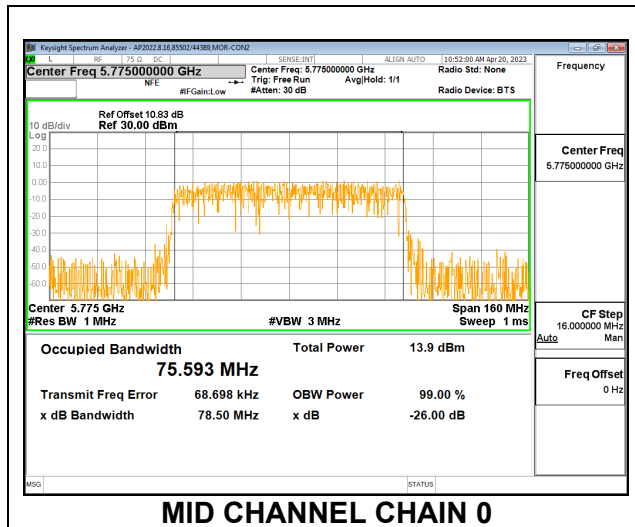
9.2.31.   802.11ax HE20 MODE IN THE 5.8 GHz BAND

2TX CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	2.7301	2.8378
Mid	5785	2.7333	2.8617
High	5825	2.5711	2.5090

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

Occupied Bandwidth		
2.5711 MHz		
Transmit Freq Error	8.1868 MHz	OBW Power	99.00 %
x dB Bandwidth	17.75 MHz	x dB	-26.00 dB

HIGH CHANNEL CHAIN 0

Occupied Bandwidth		
2.5090 MHz		
Transmit Freq Error	8.2369 MHz	OBW Power	99.00 %
x dB Bandwidth	13.40 MHz	x dB	-26.00 dB

HIGH CHANNEL CHAIN 1

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2TX CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	4.3345	4.2404
Mid	5785	4.1385	4.1324
High	5825	4.2140	4.1090

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
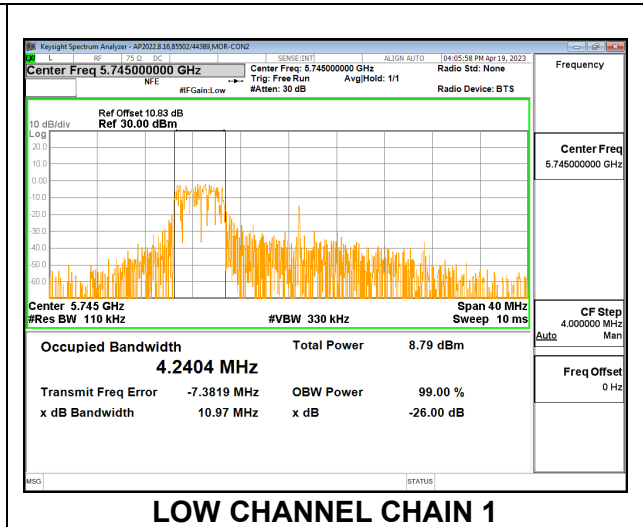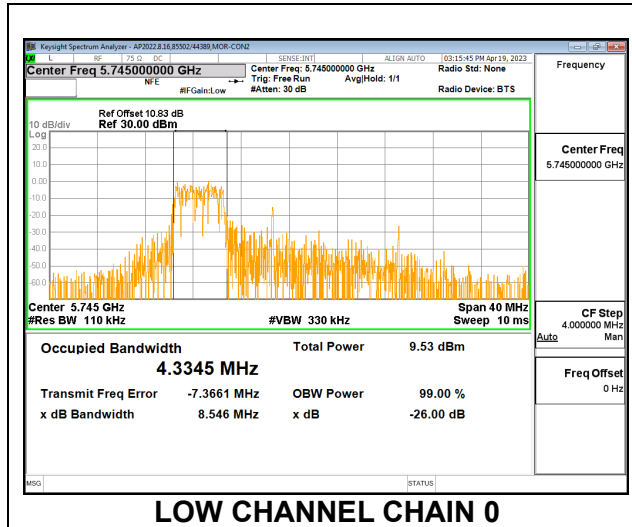
HIGH CHANNEL CHAIN 0
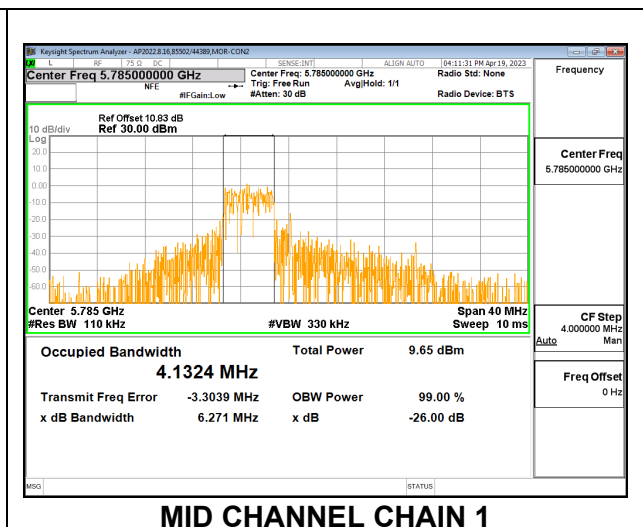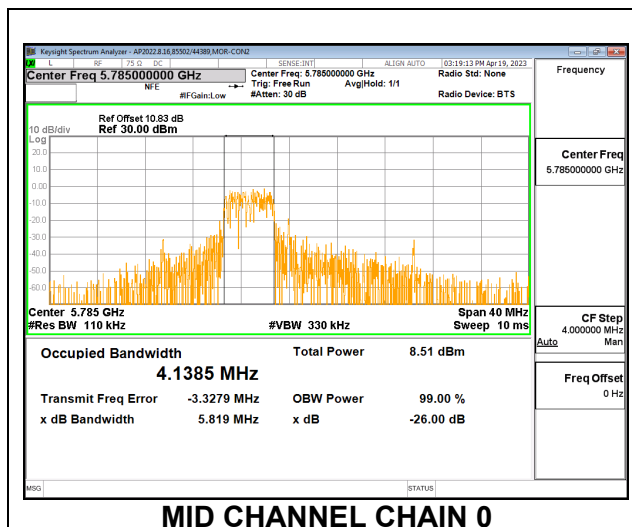
HIGH CHANNEL CHAIN 1
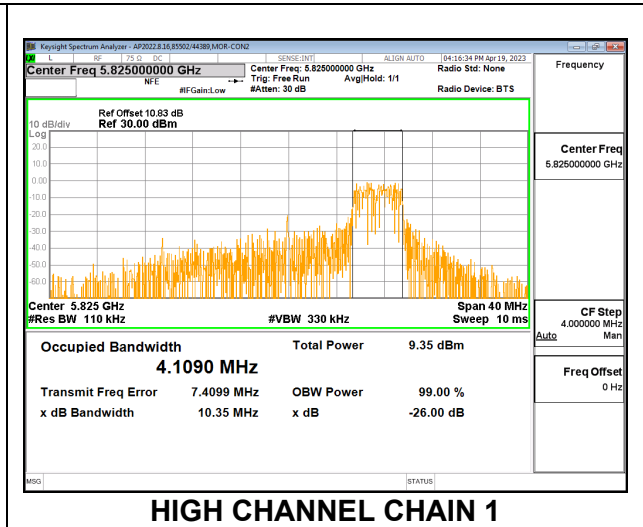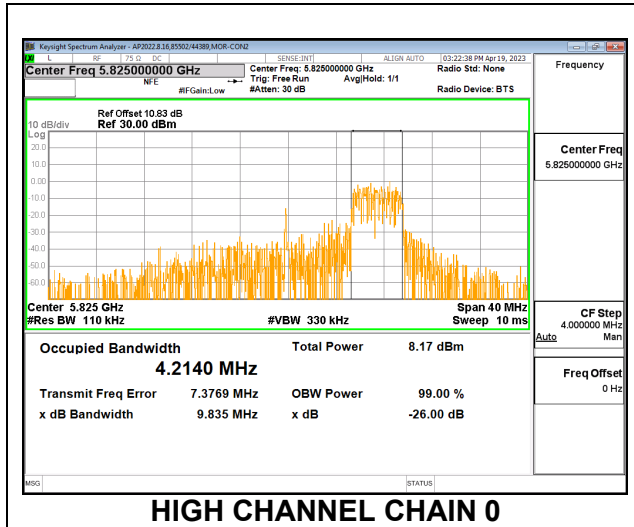
2TX CDD MODE – 106T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	8.2795	8.3321
Mid	5785	8.2982	8.3055
High	5825	8.3662	8.2370

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
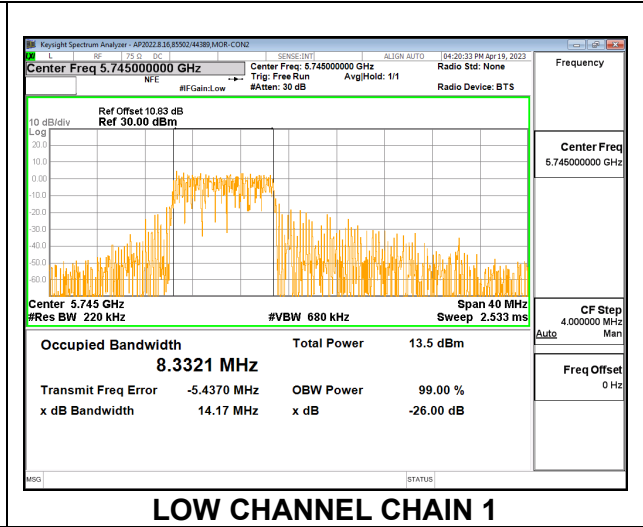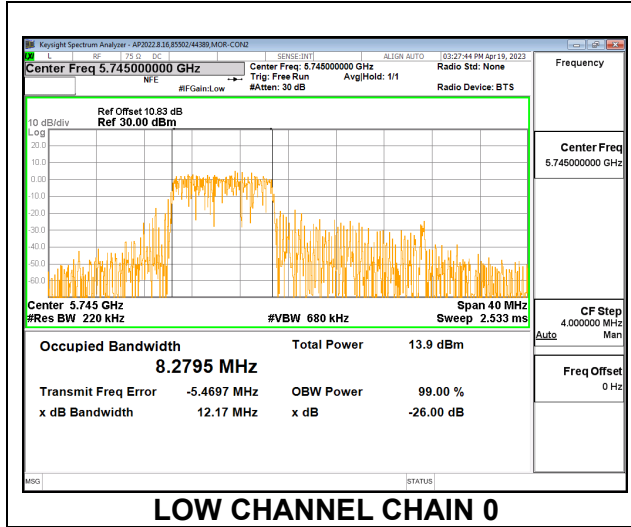
HIGH CHANNEL CHAIN 0
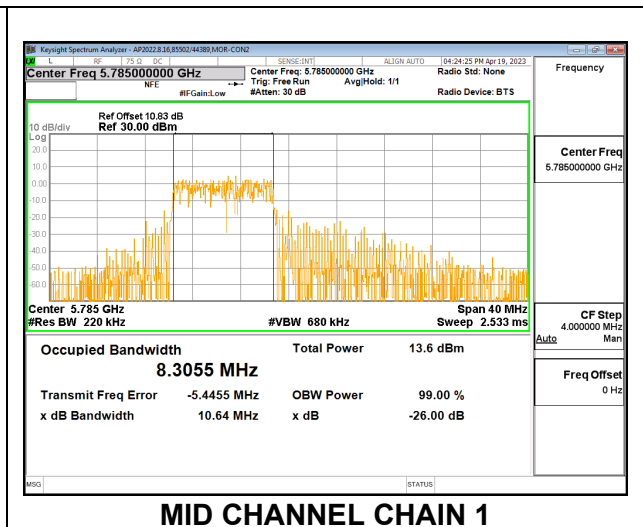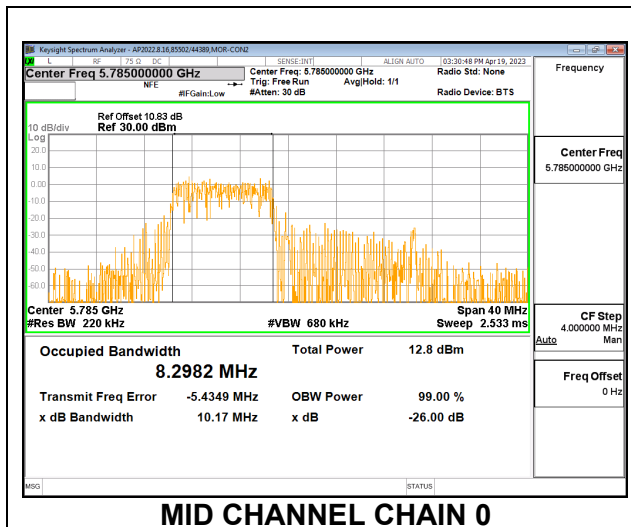
HIGH CHANNEL CHAIN 1
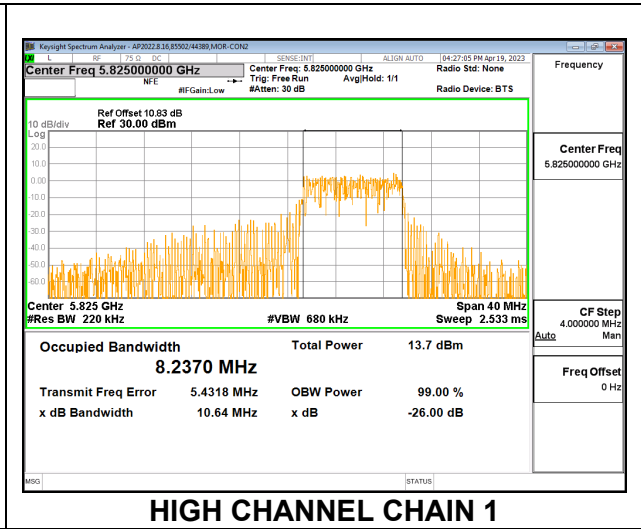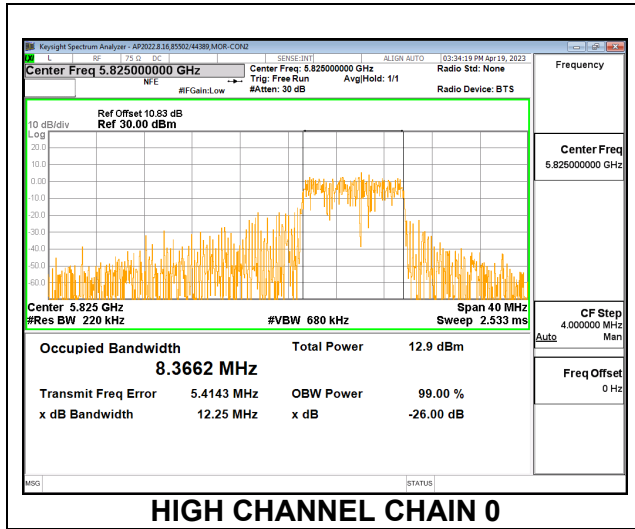
2TX CDD MODE – 242T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	19.166	18.956
Mid	5785	19.122	18.978
High	5825	18.981	19.019

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
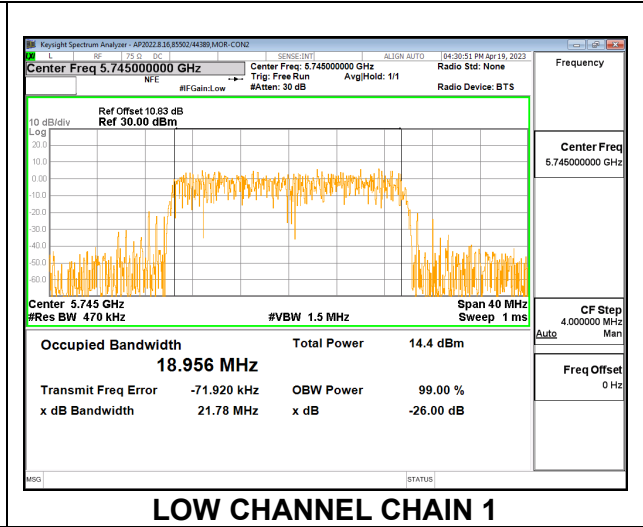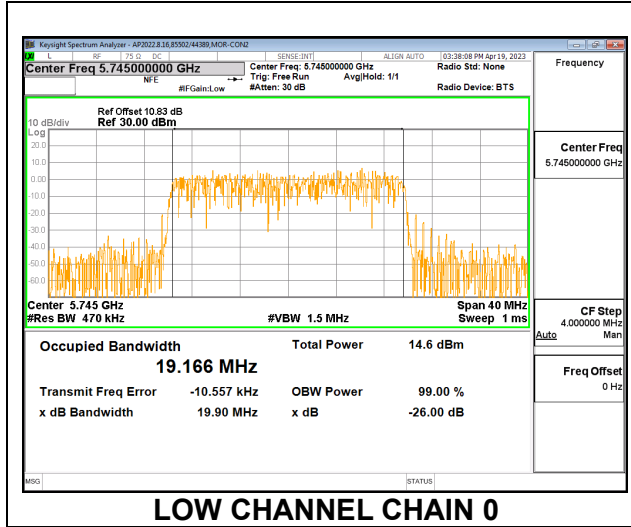
HIGH CHANNEL CHAIN 0
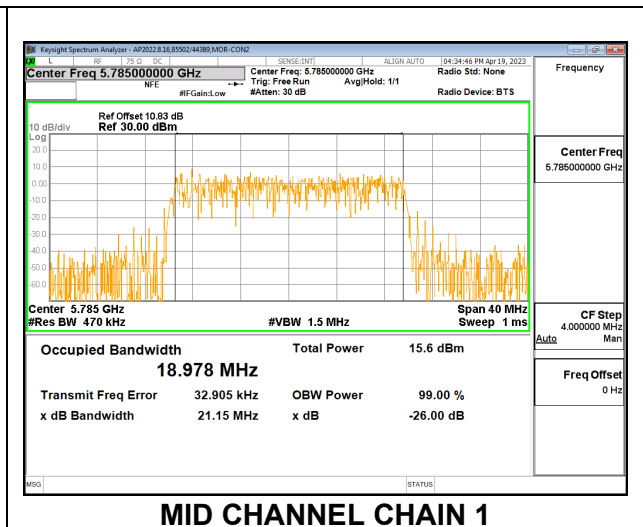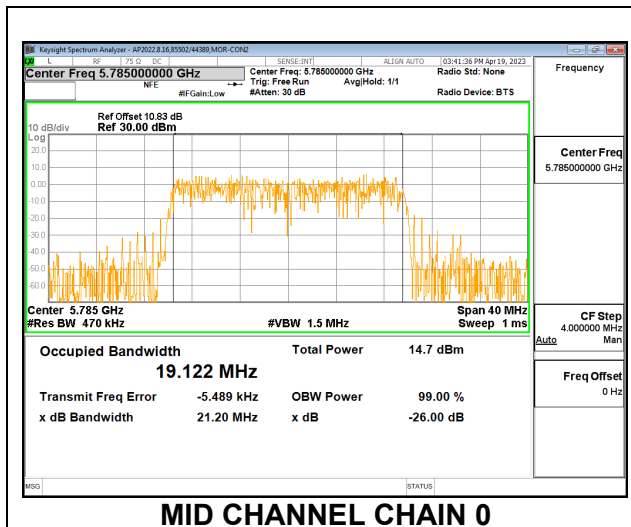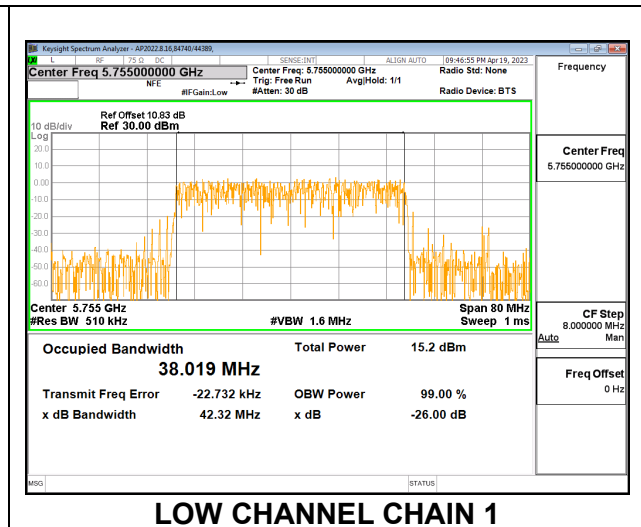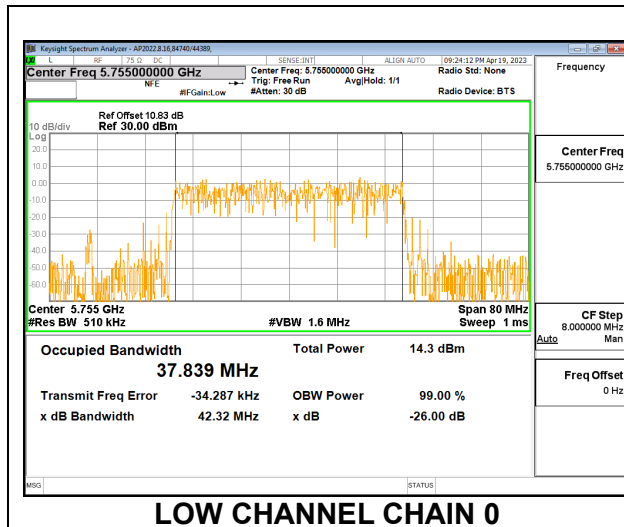

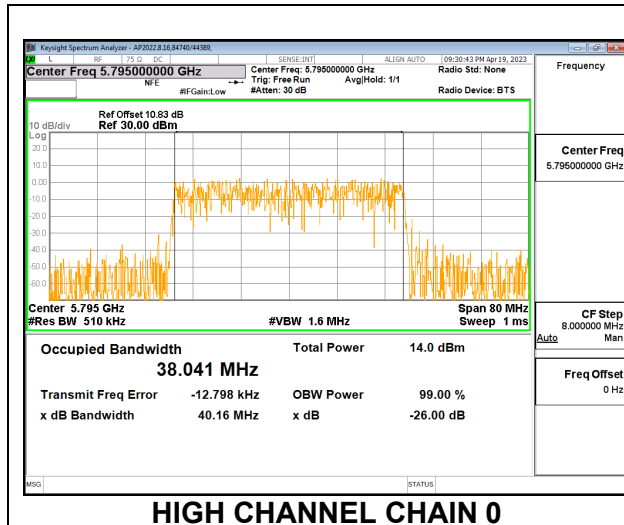**HIGH CHANNEL CHAIN 1**
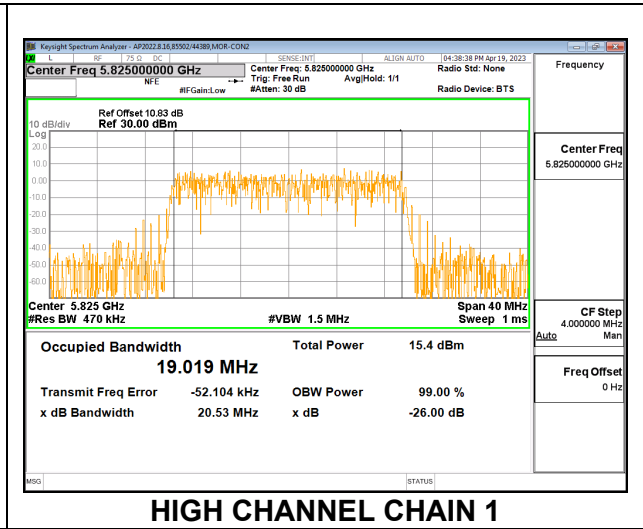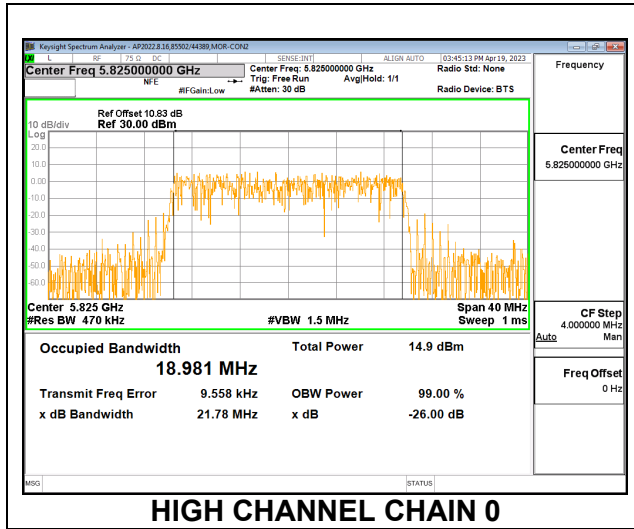
9.2.32.   802.11ax HE40 MODE IN THE 5.8 GHz BAND

2TX CDD MODE – 484T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5755	37.839	38.019
High	5795	38.041	37.985

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0
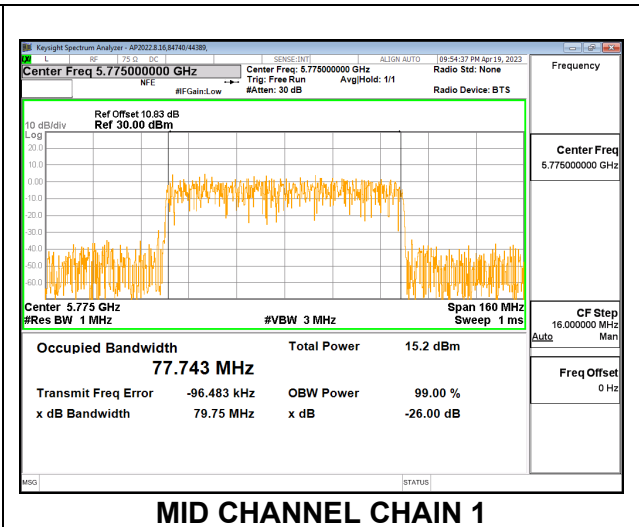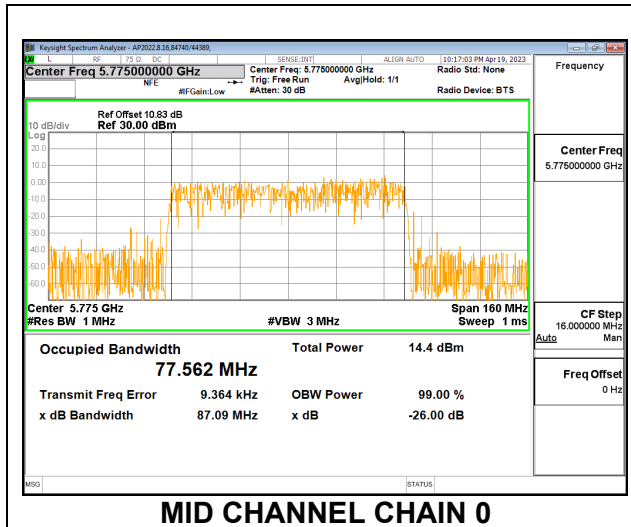

HIGH CHANNEL CHAIN 1
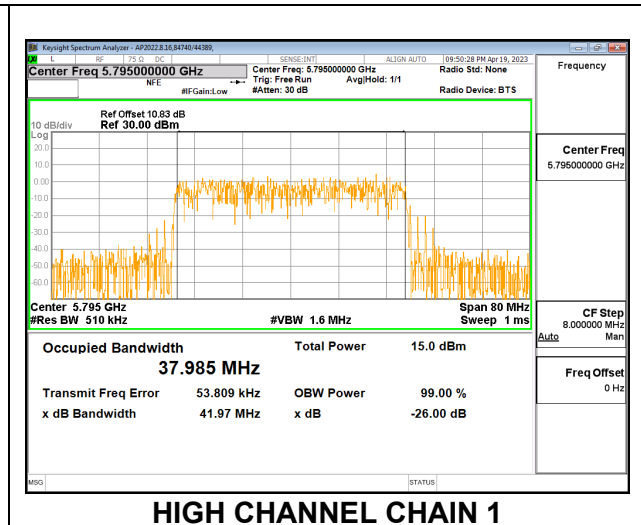
9.2.33.   802.11ax HE80 MODE IN THE 5.8 GHz BAND

2TX CDD MODE – 996T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5775	77.562	77.743

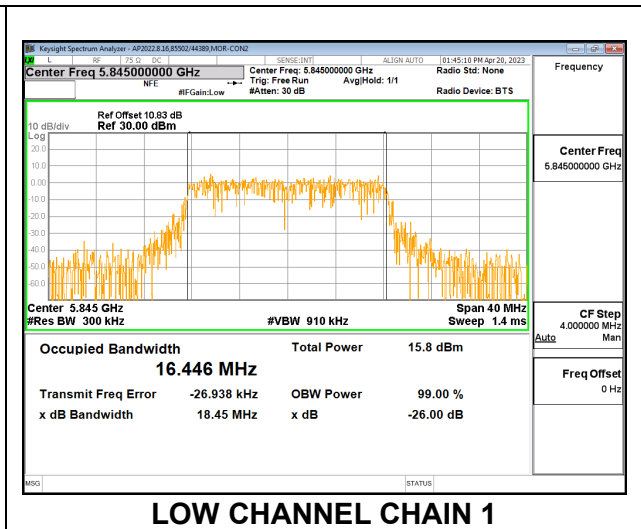### MID CHANNEL

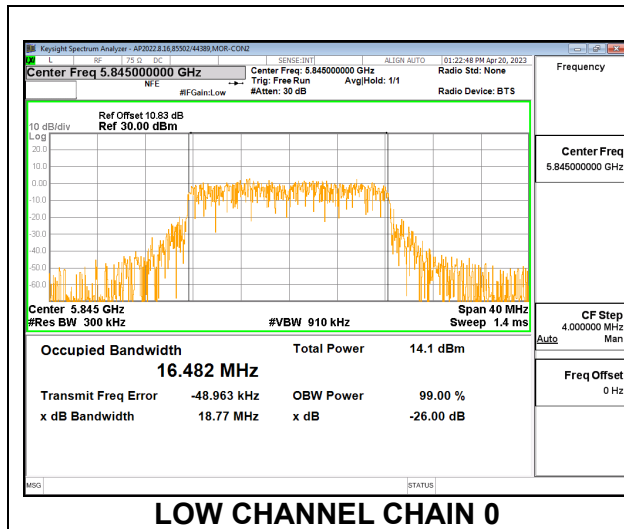**MID CHANNEL CHAIN 0**

MID CHANNEL CHAIN 1

9.2.34.　802.11a MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5845	16.482	16.446
Mid	5865	16.404	16.495
High	5885	16.517	16.495

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0
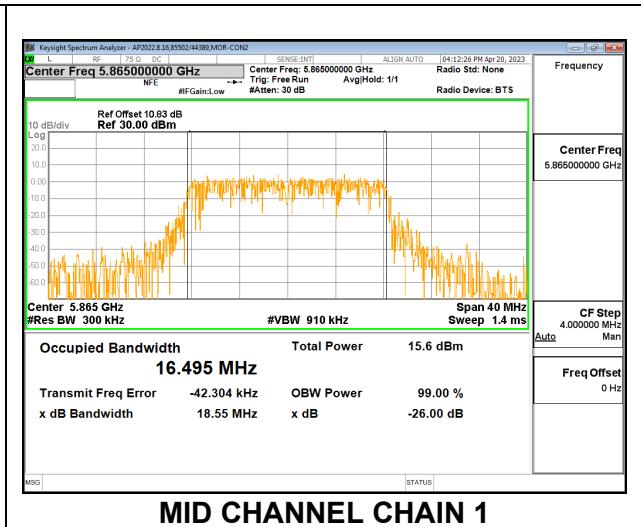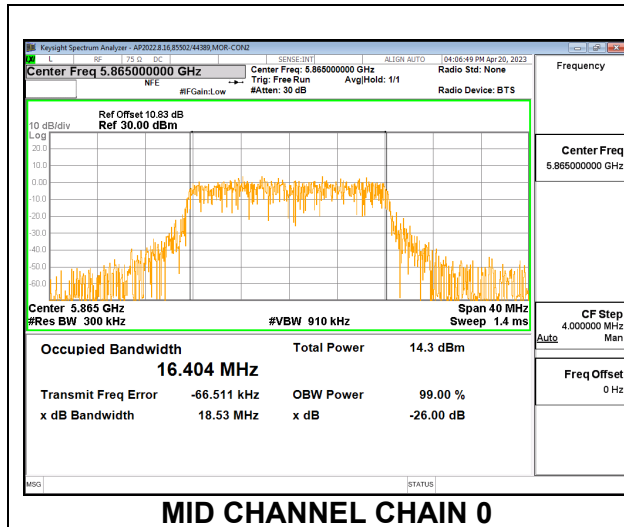
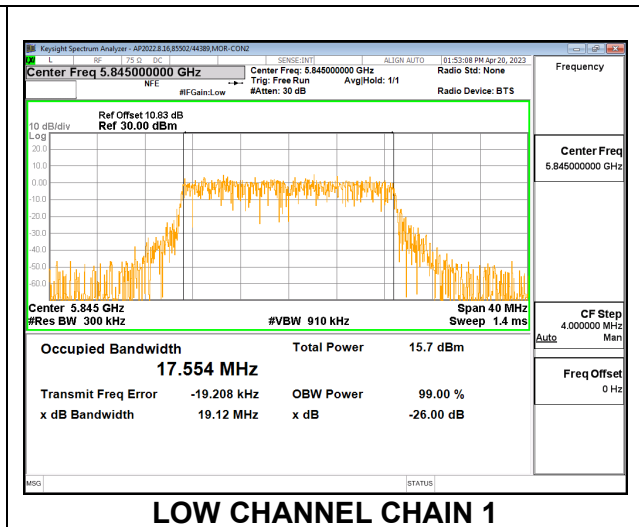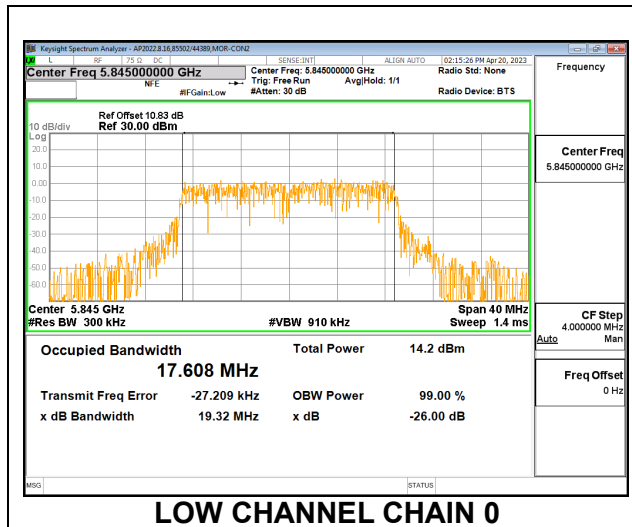### HIGH CHANNEL CHAIN 1
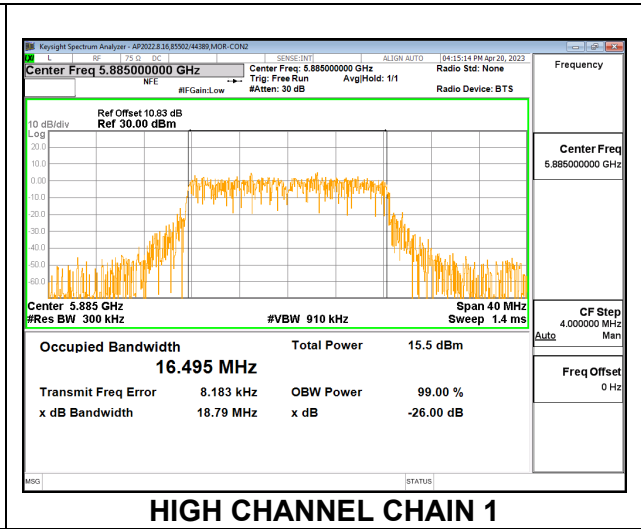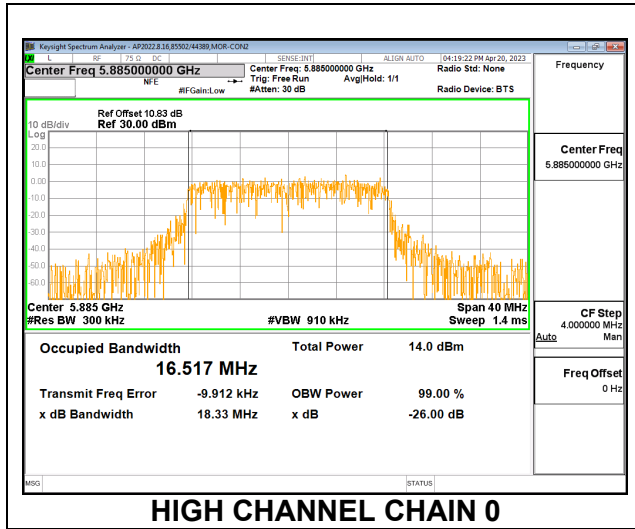
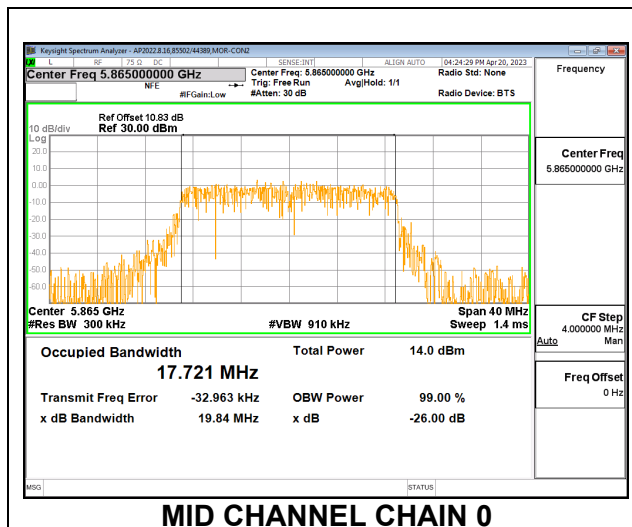# 9.2.35.   802.11n HT20 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5845	17.608	17.554
Mid	5865	17.721	17.604
High	5885	17.658	17.730

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

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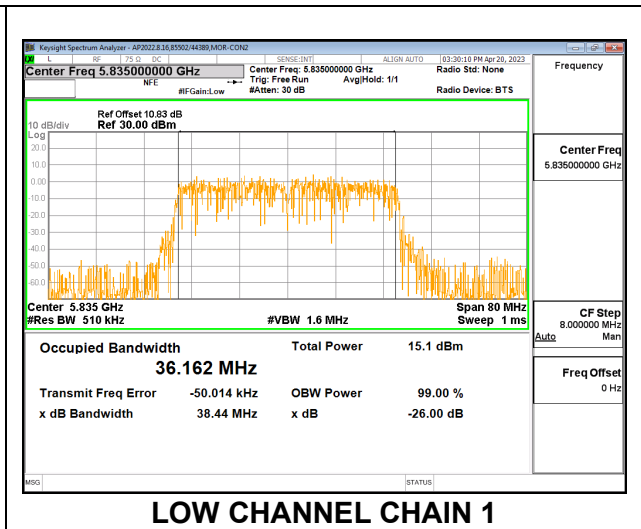*This report shall not be reproduced except in full, without the written approval of UL LLC*
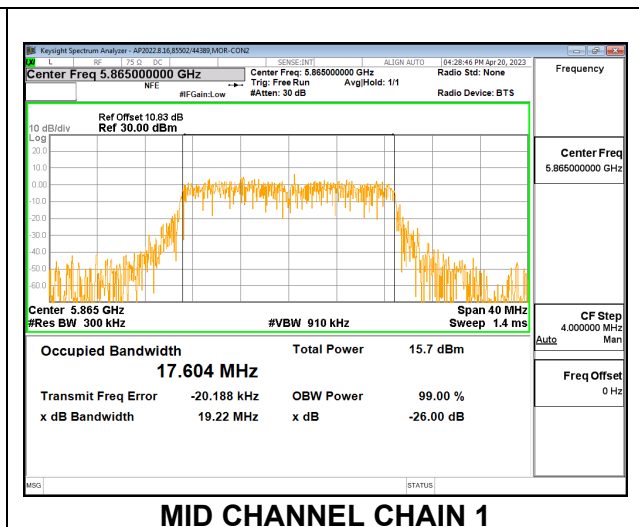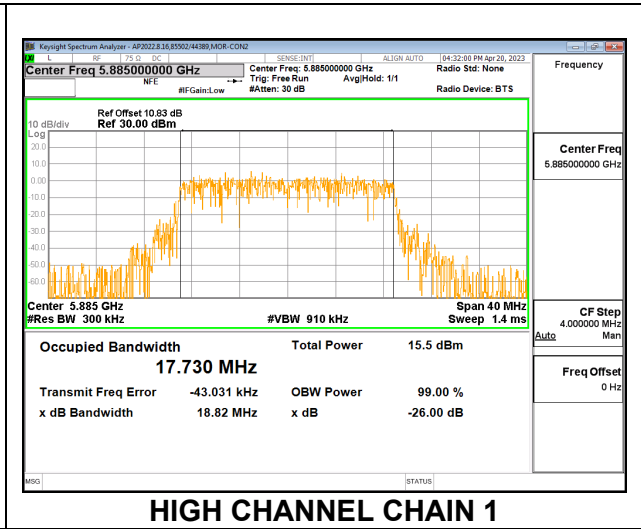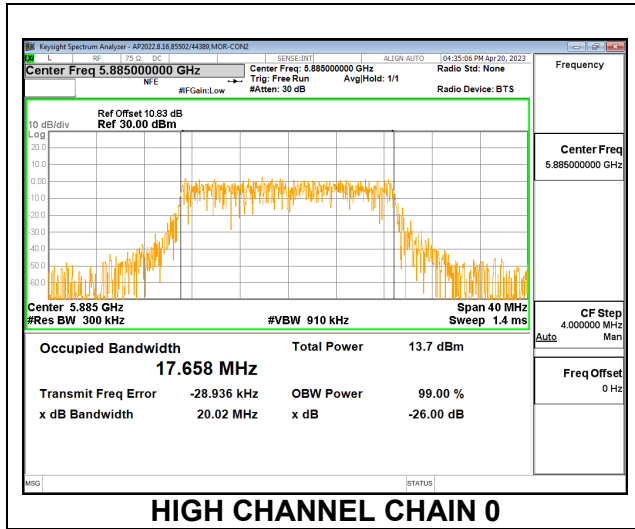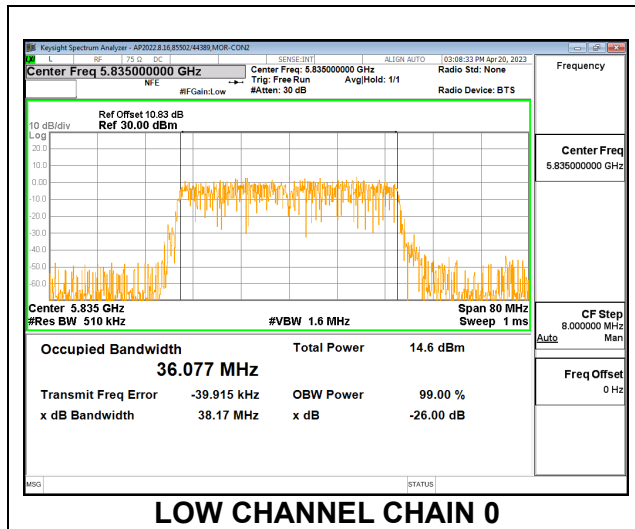
9.2.36.   802.11n HT40 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5835	36.077	36.162
High	5875	36.138	36.206

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

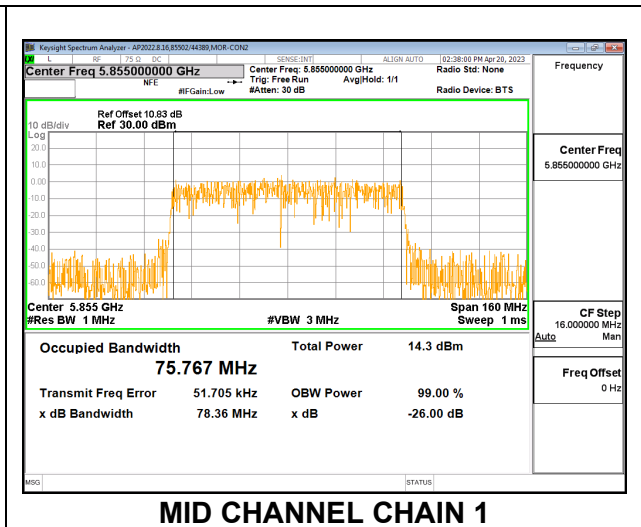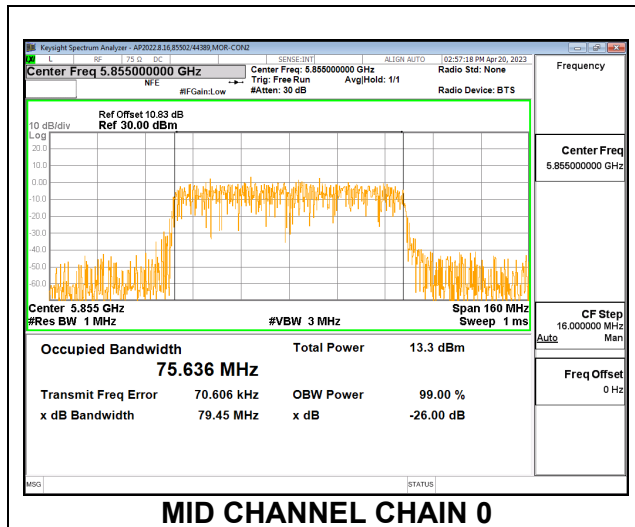**HIGH CHANNEL CHAIN 1**
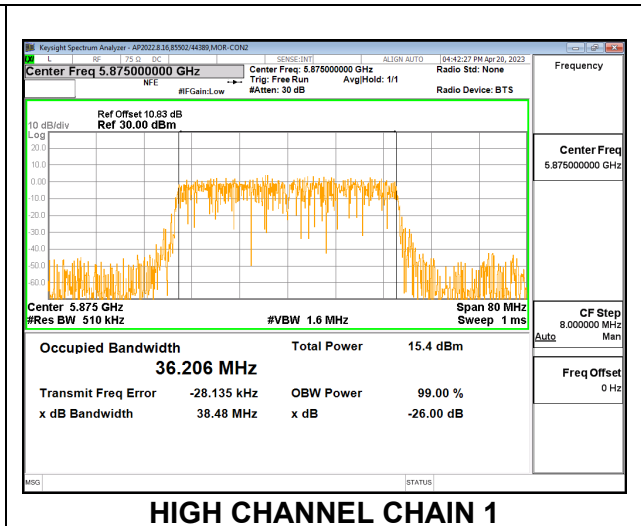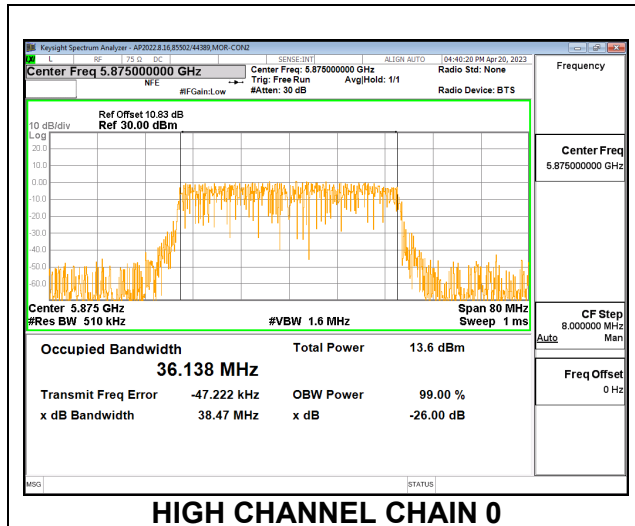
9.2.37.   802.11ac VHT80 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5855	75.636	75.767

MID CHANNEL

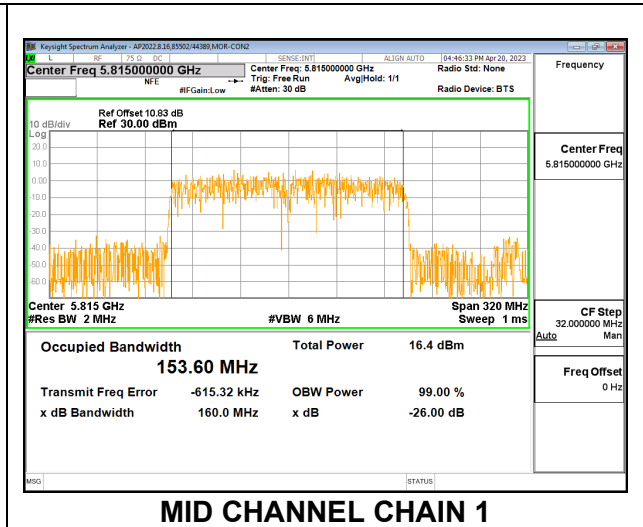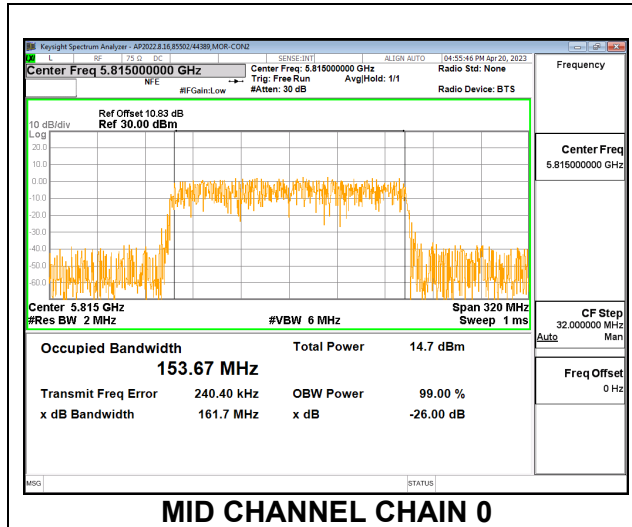|	
MID CHANNEL CHAIN 0	**MID CHANNEL CHAIN 1**

9.2.38.   802.11ac VHT160 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5815	153.67	153.60

MID CHANNEL

MID CHANNEL CHAIN 0
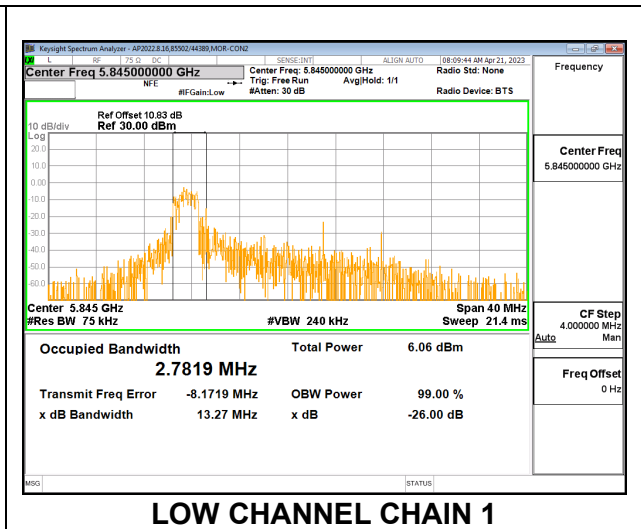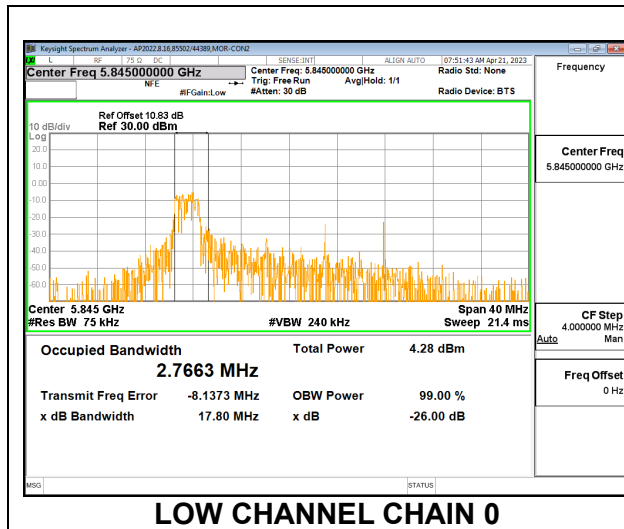

MID CHANNEL CHAIN 1

9.2.39.   802.11ax HE20 MODE IN THE 5.9 GHz BAND

2TX CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5845	2.7663	2.7819
Mid	5865	2.9043	2.7843
High	5885	3.1204	2.6526

LOW CHANNEL
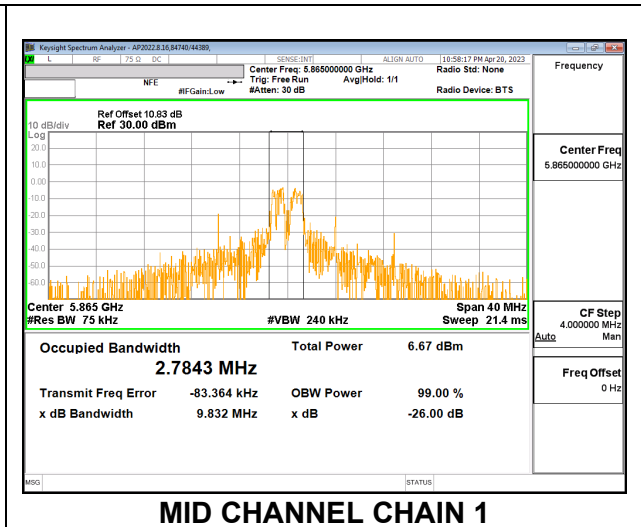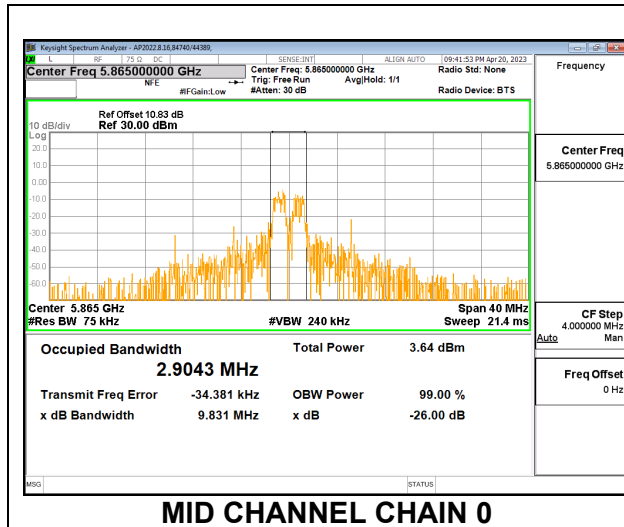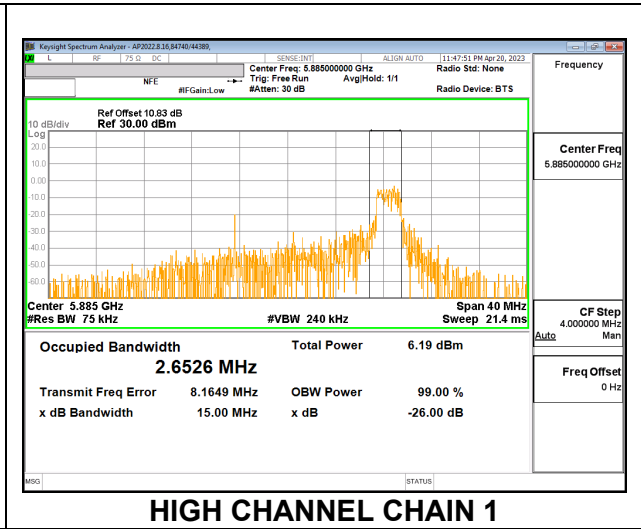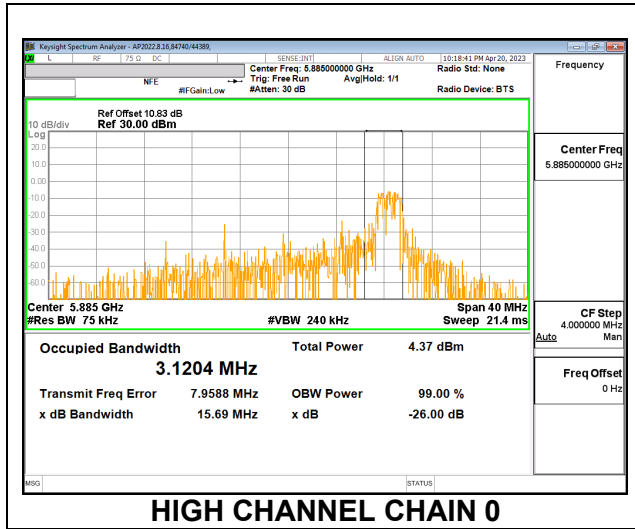
LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1
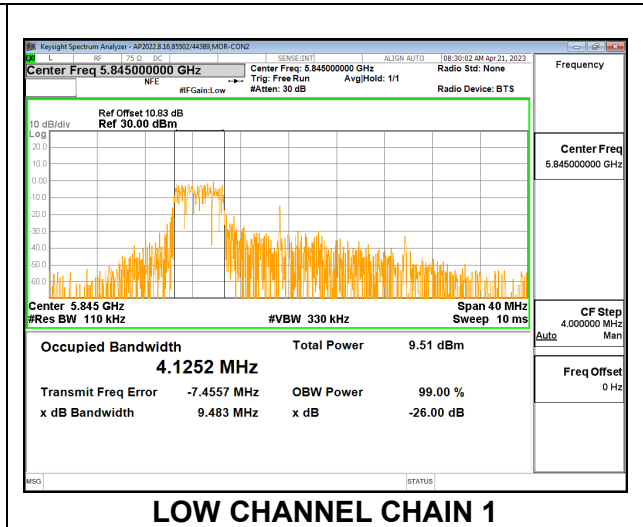
HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

2TX CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5845	4.2822	4.1252
Mid	5865	4.4388	4.1050
High	5885	4.5504	4.1644

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

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