HIGH CHANNEL

HIGH CHANNEL CHAIN 0

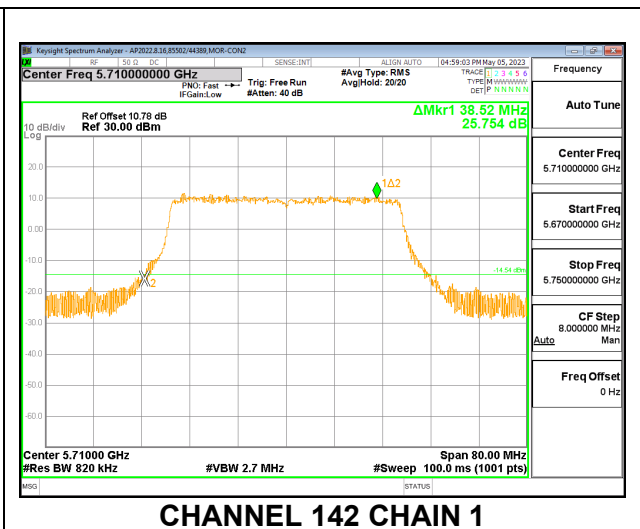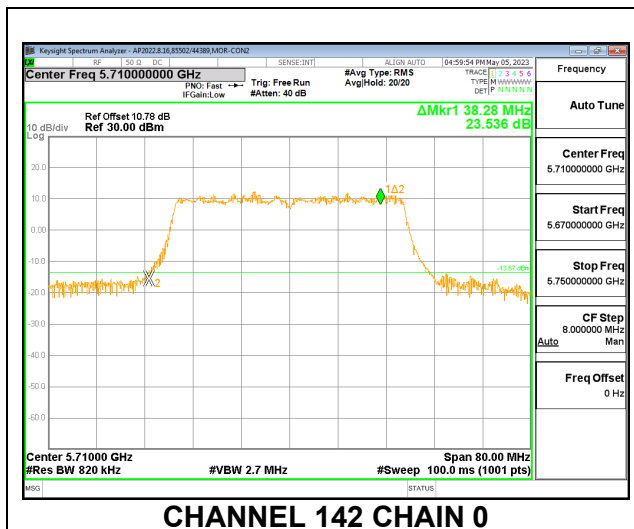**HIGH CHANNEL CHAIN 1**

CHANNEL 142

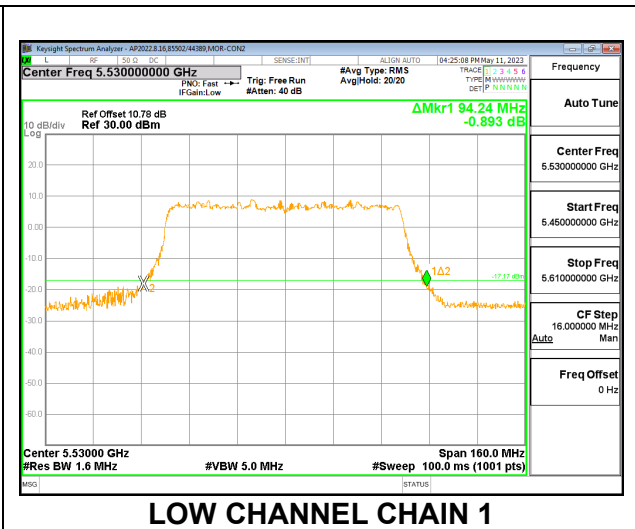**CHANNEL 142 CHAIN 0**

CHANNEL 142 CHAIN 1

9.2.4. 802.11ax HE80 MODE IN THE 5.6 GHz BAND

2TX CDD MODE – 996T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5530	92.24	92.24
High	5610	94.40	93.12
138	5690	157.04	81.72

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

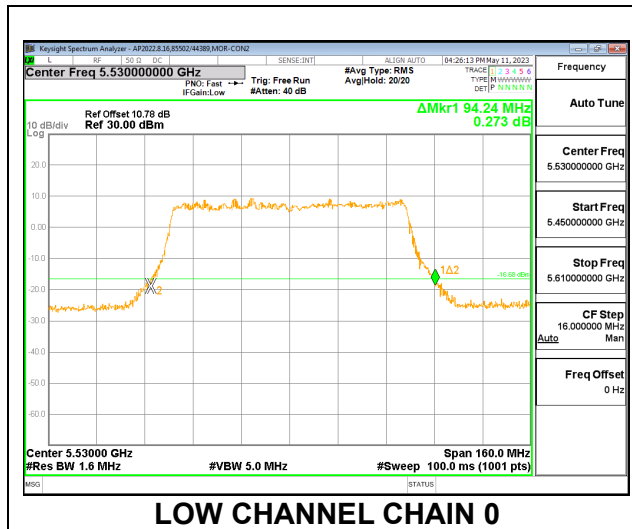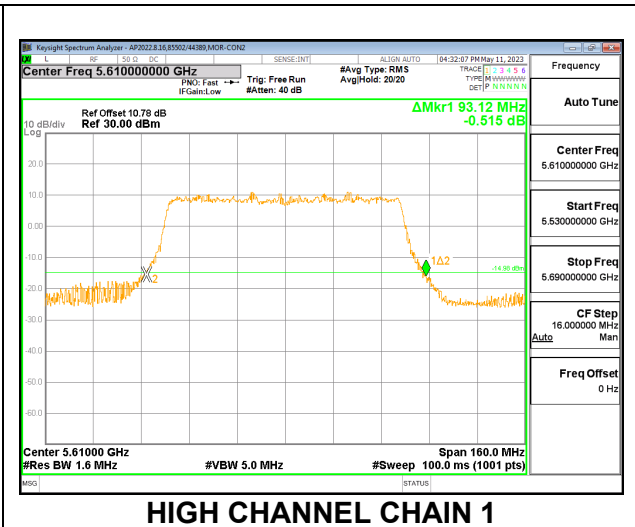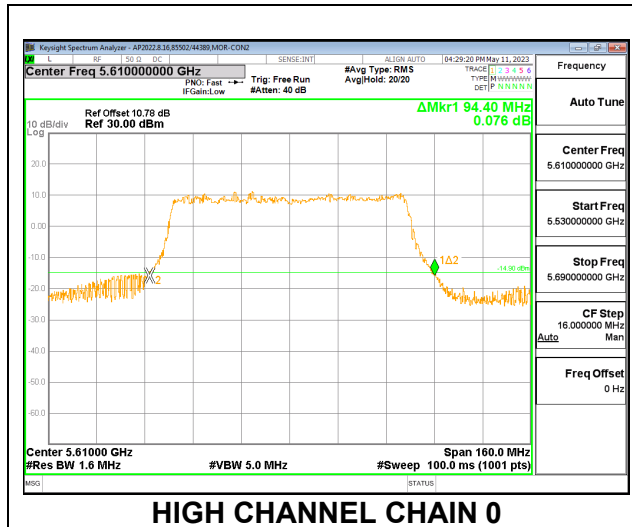
CHANNEL 138 CHAIN 1
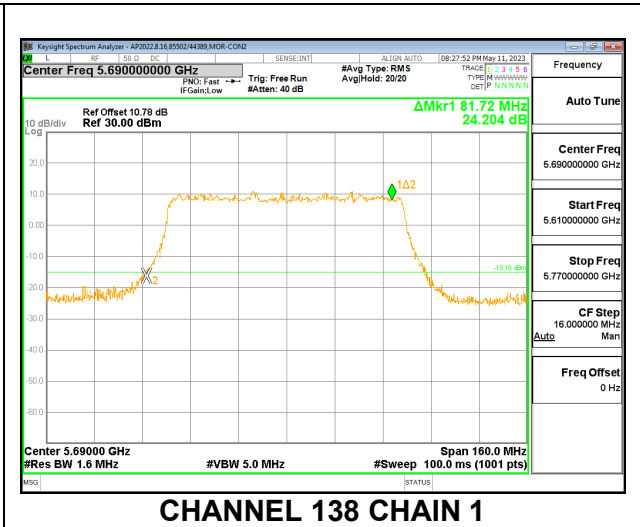
9.2.5. 802.11ax HE160 MODE IN THE 5.6 GHz BAND

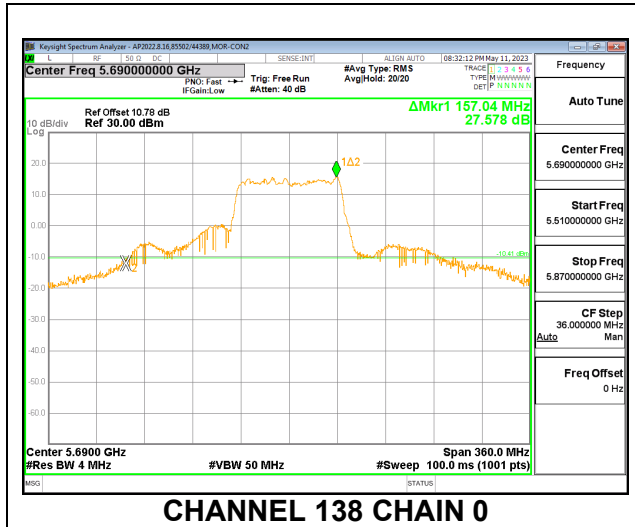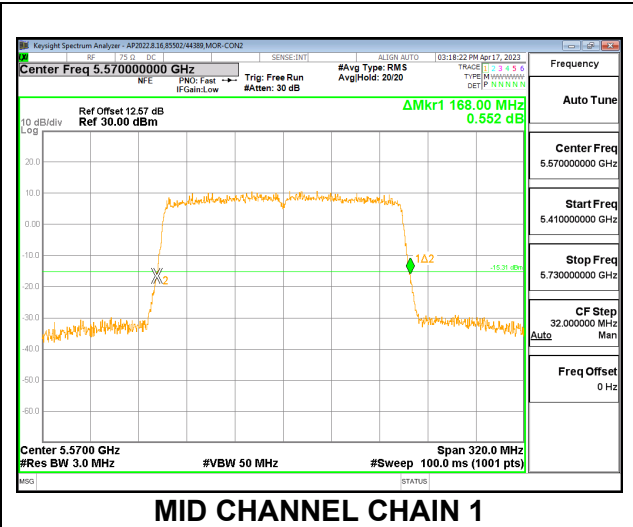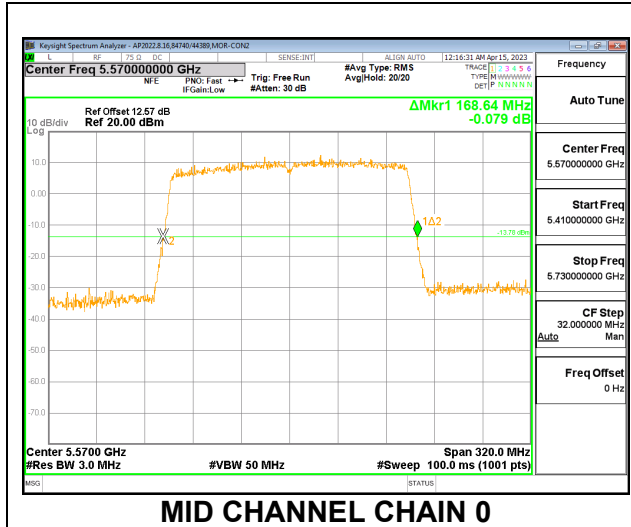### 2TX CDD MODE – 2x996T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5570	168.64	168.00

MID CHANNEL

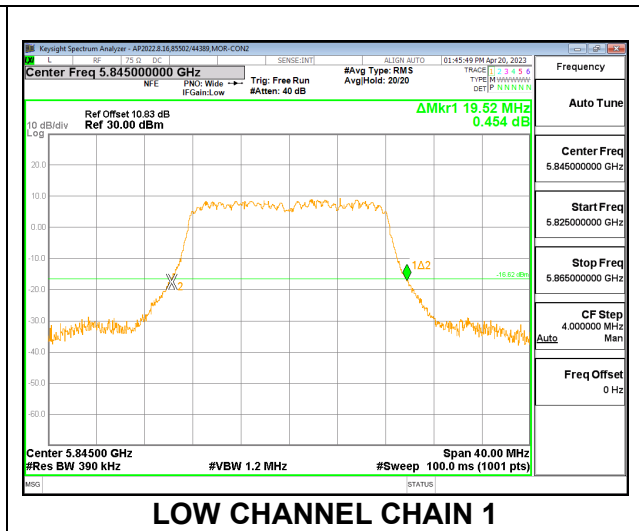**MID CHANNEL CHAIN 0**

MID CHANNEL CHAIN 1

9.2.6. 802.11a MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	20.04	19.52
Mid	5865	20.16	19.64
High	5885	20.12	19.52

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
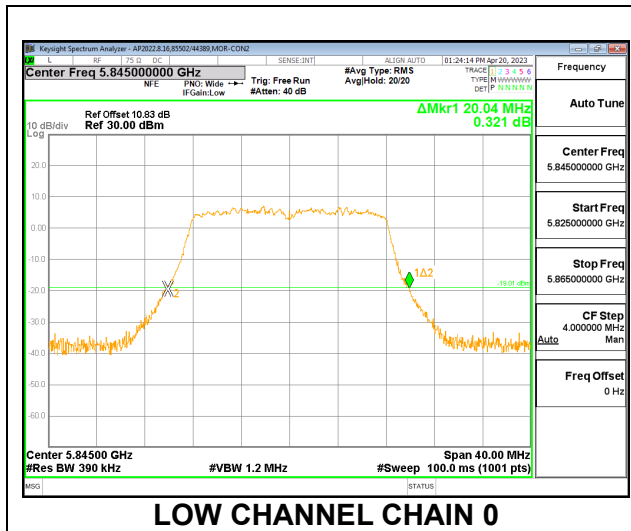
HIGH CHANNEL CHAIN 0
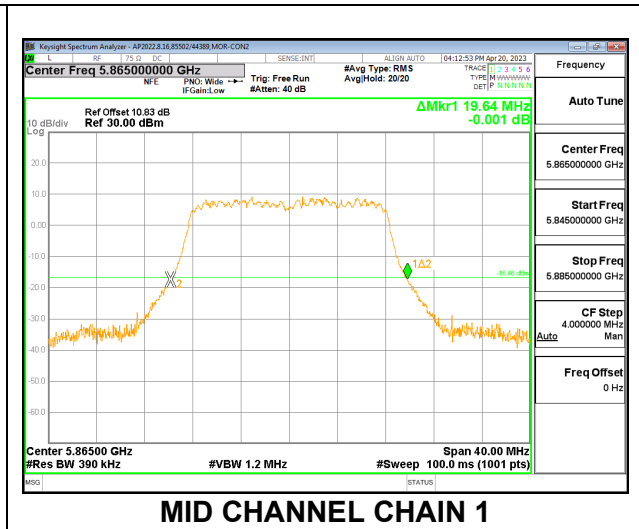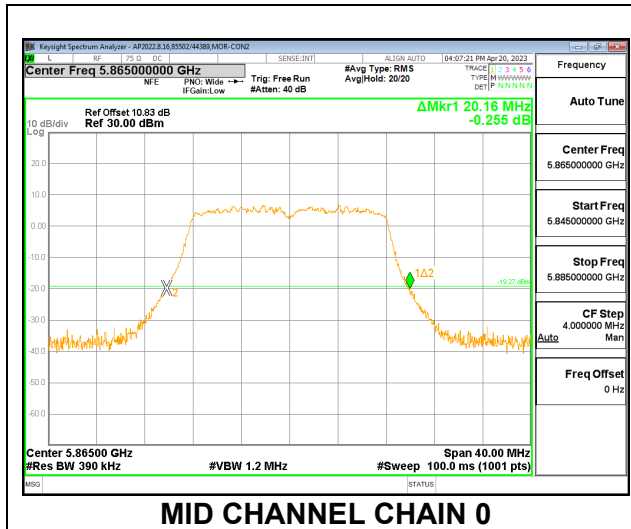
HIGH CHANNEL CHAIN 1
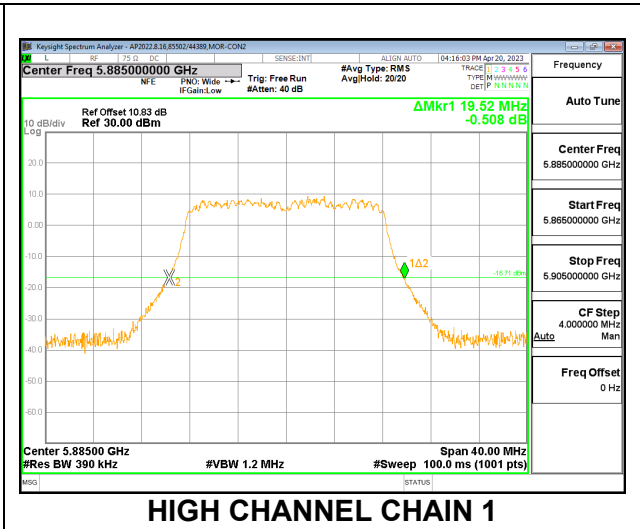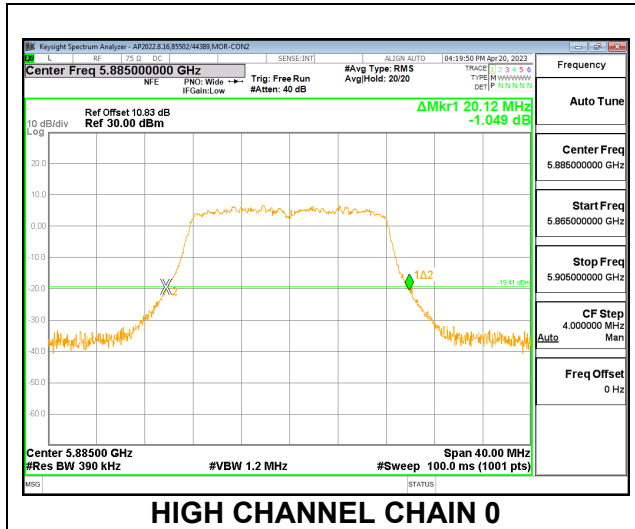
9.2.7. 802.11n HT20 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	20.96	20.96
Mid	5865	21.00	20.64
High	5885	20.88	20.72

LOW CHANNEL

| LOW CHANNEL CHAIN 0 | LOW CHANNEL CHAIN 1 |

MID CHANNEL

| MID CHANNEL CHAIN 0 | MID CHANNEL CHAIN 1 |

Page 83 of 614

HIGH CHANNEL

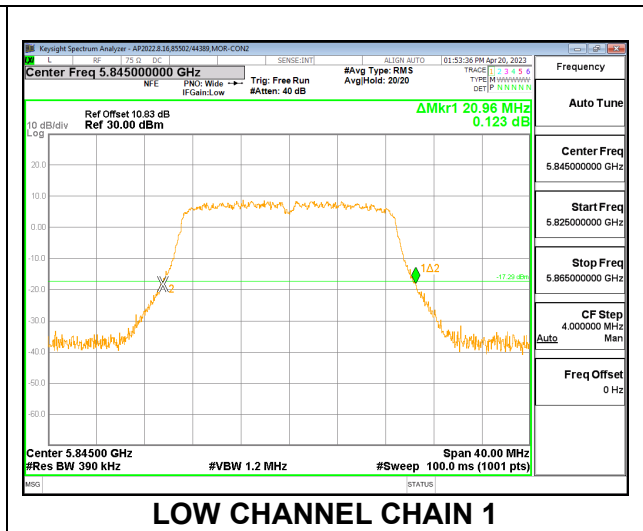
HIGH CHANNEL CHAIN 0
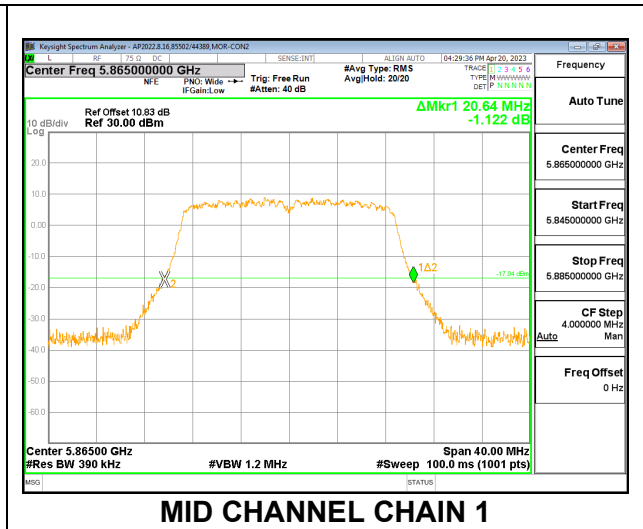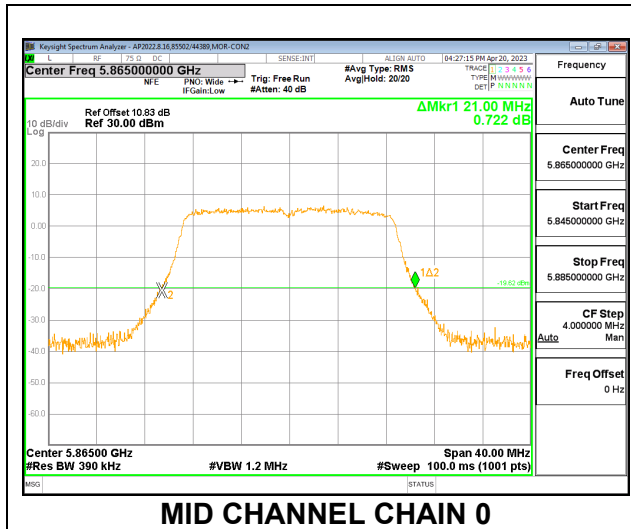
HIGH CHANNEL CHAIN 1
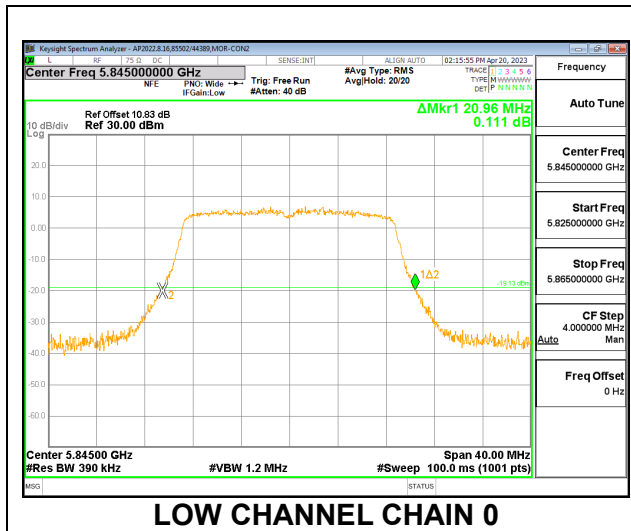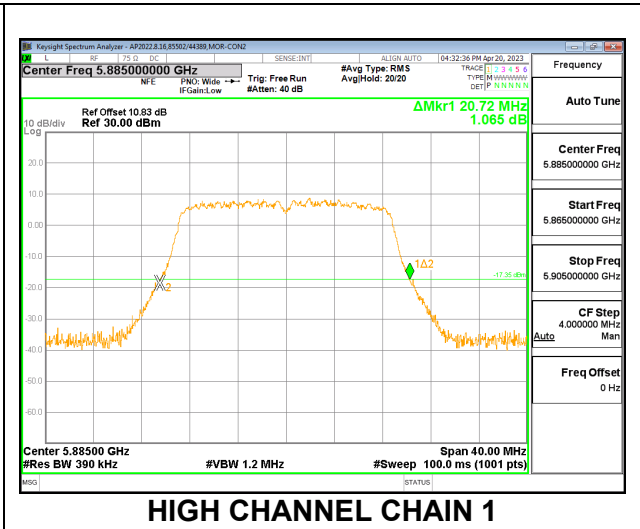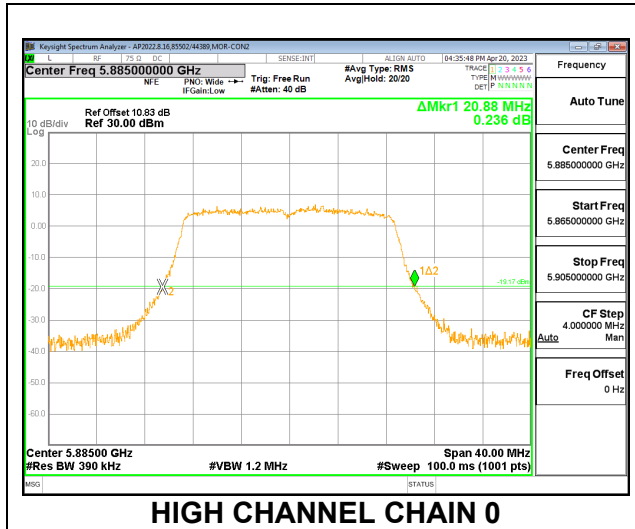
9.2.8. 802.11n HT40 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5835	40.72	40.64
High	5875	40.56	40.64

LOW CHANNEL

LOW CHANNEL CHAIN 0
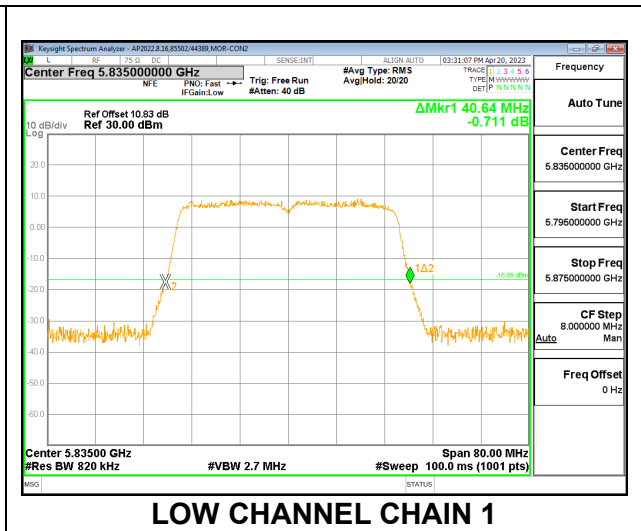

LOW CHANNEL CHAIN 1

HIGH CHANNEL

MID CHANNEL CHAIN 0
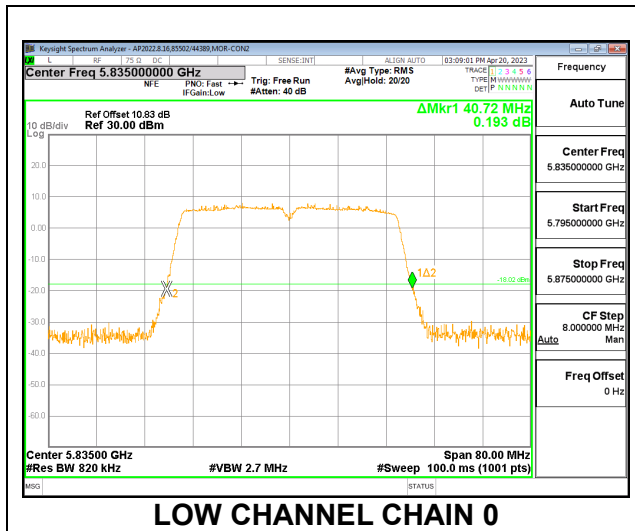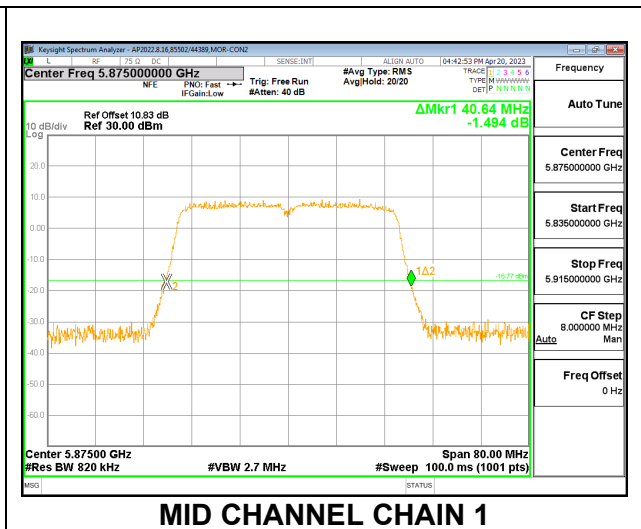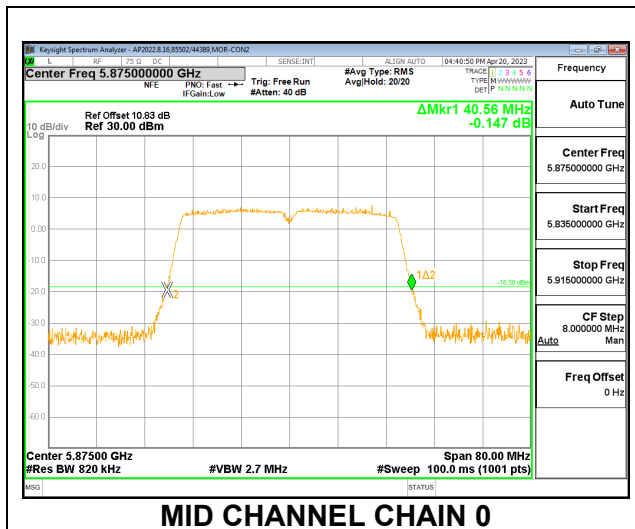
MID CHANNEL CHAIN 1

9.2.9. 802.11ac VHT80 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5855	84.00	83.68

MID CHANNEL

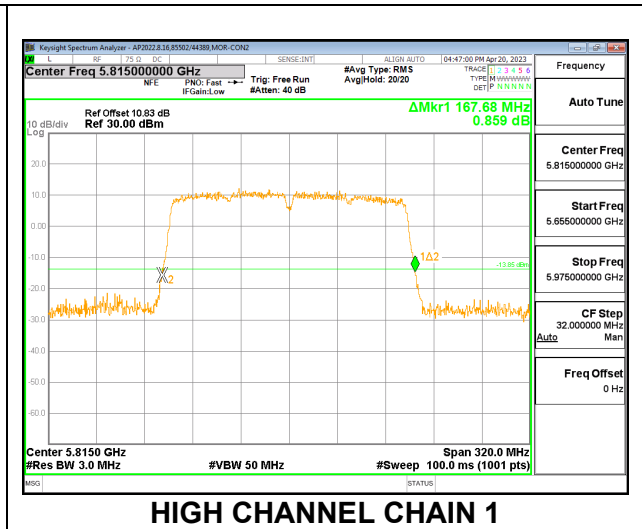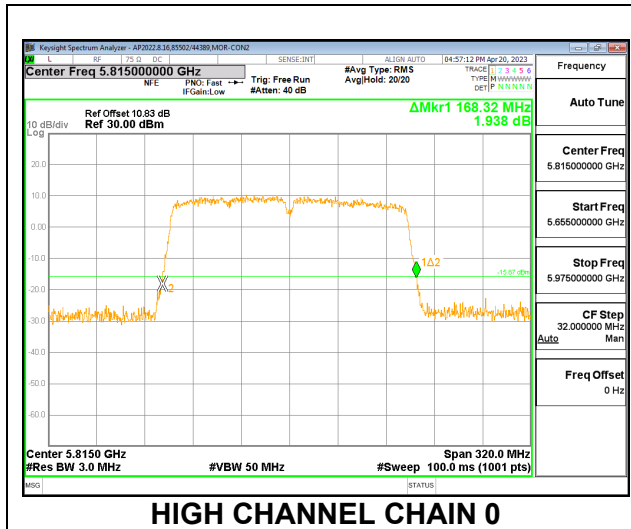**LOW CHANNEL CHAIN 0**

LOW CHANNEL CHAIN 1
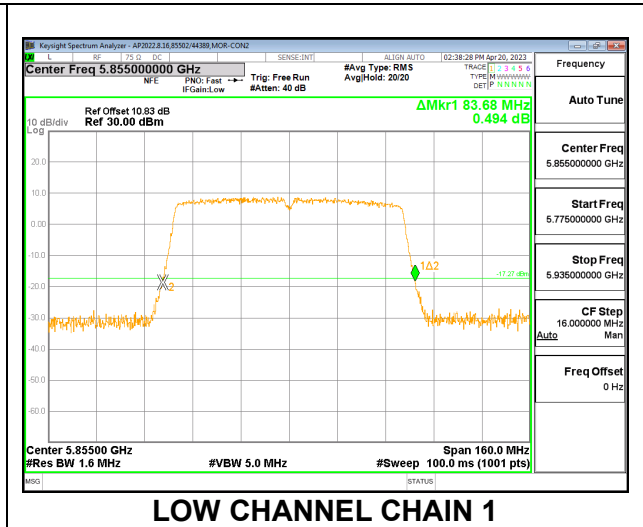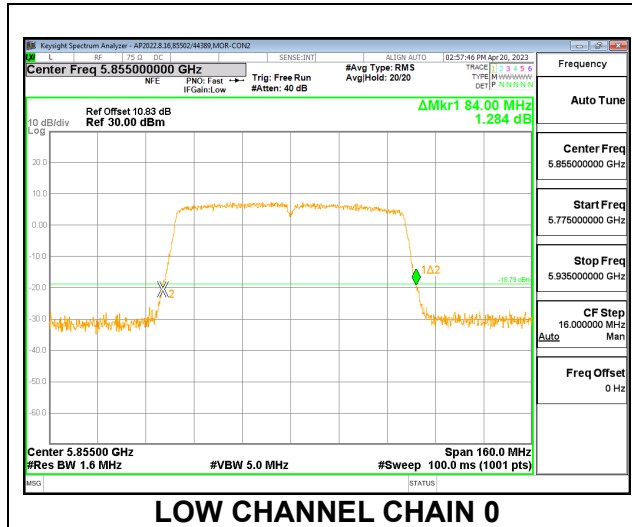
9.2.10. 802.11ac VHT160 MODE IN THE 5.9 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 1 (MHz)	26 dB Bandwidth Antenna 2 (MHz)
High	5815	168.32	167.68

MID CHANNEL

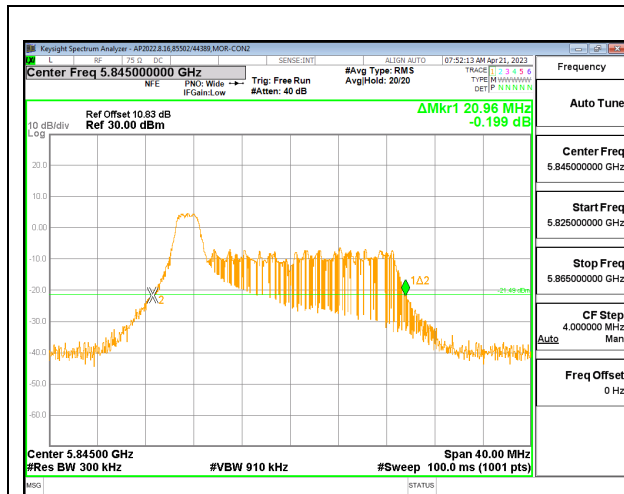| HIGH CHANNEL CHAIN 0 | HIGH CHANNEL CHAIN 1 |

9.2.11. 802.11ax HE20 MODE IN THE 5.9 GHz BAND

2TX CDD MODE – 26T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	20.96	20.52
Mid	5865	19.12	18.76
High	5885	20.76	20.28

LOW CHANNEL

LOW CHANNEL CHAIN 0
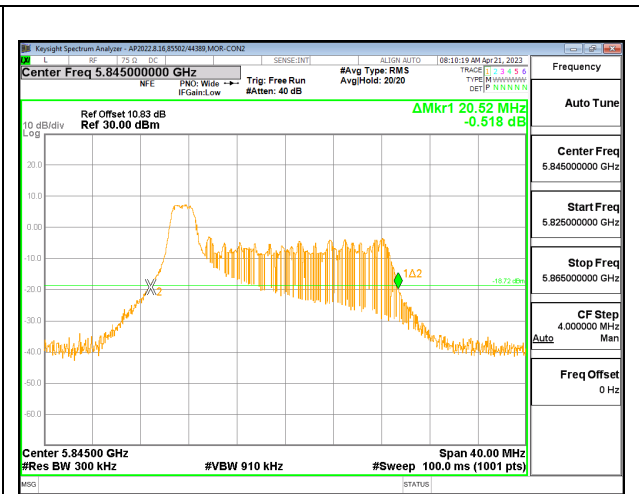
LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

2TX CDD MODE – 52T

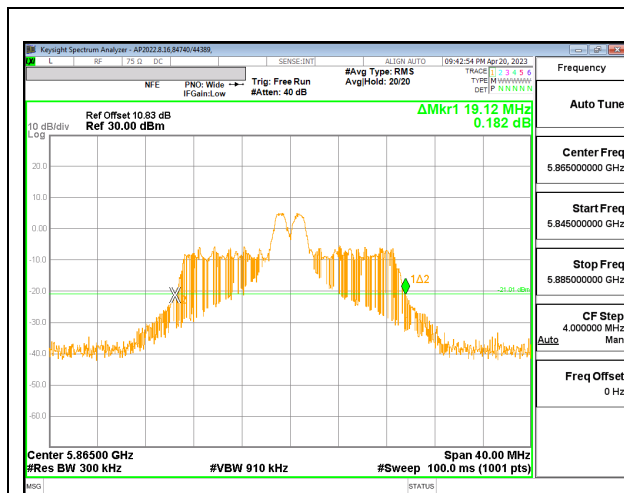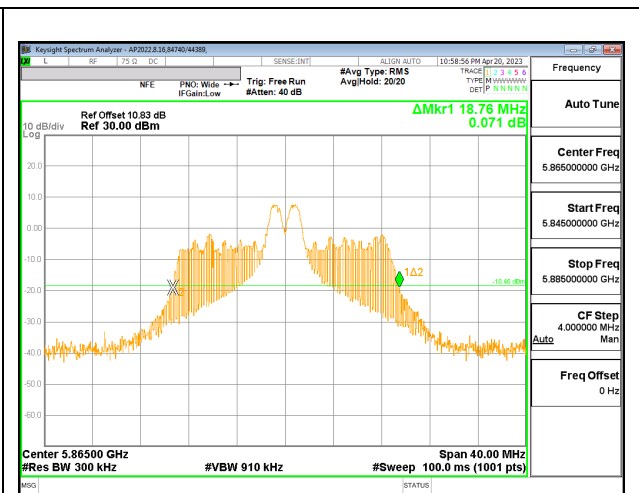| Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	21.72	20.68
Mid	5865	19.88	19.04
High	5885	21.24	20.32

LOW CHANNEL

LOW CHANNEL CHAIN 0
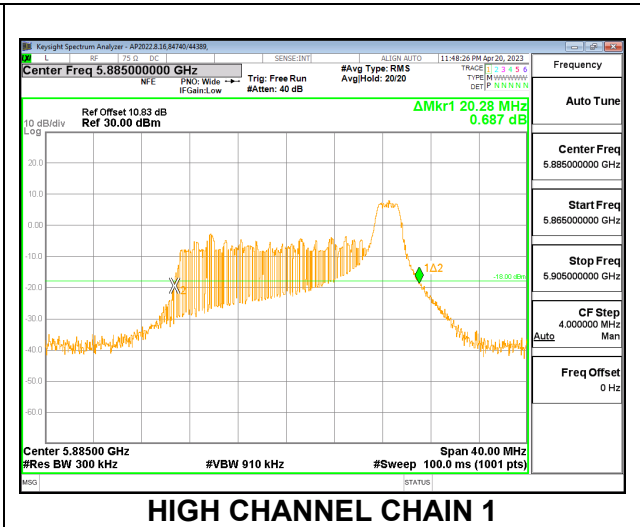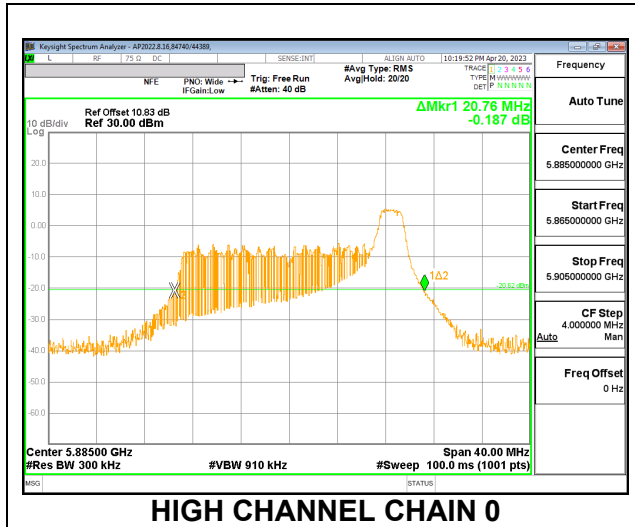
LOW CHANNEL CHAIN 1

MID CHANNEL

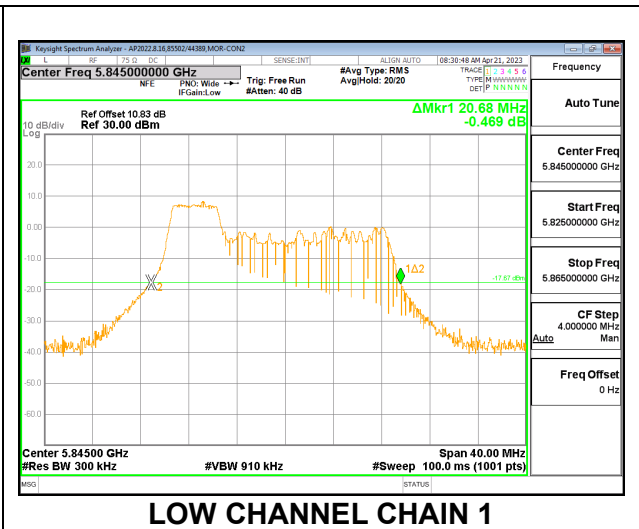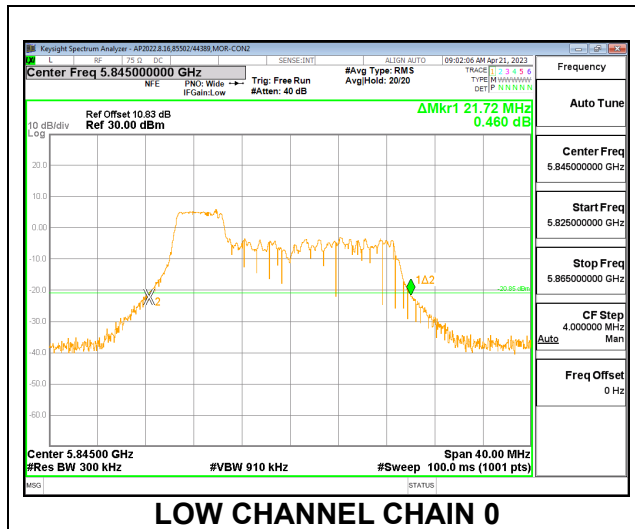MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

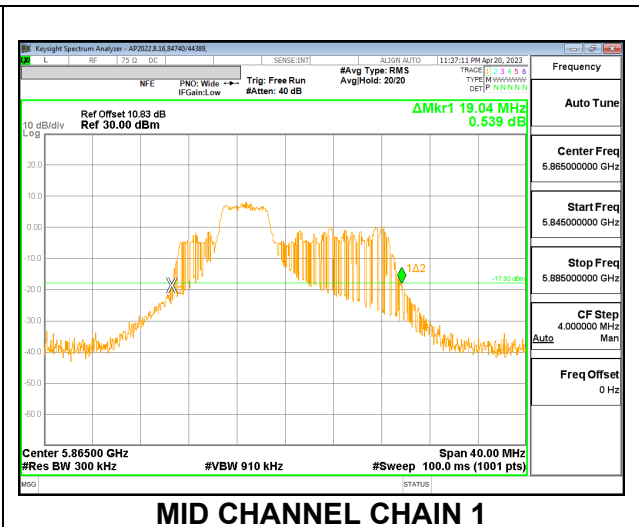**HIGH CHANNEL CHAIN 0**
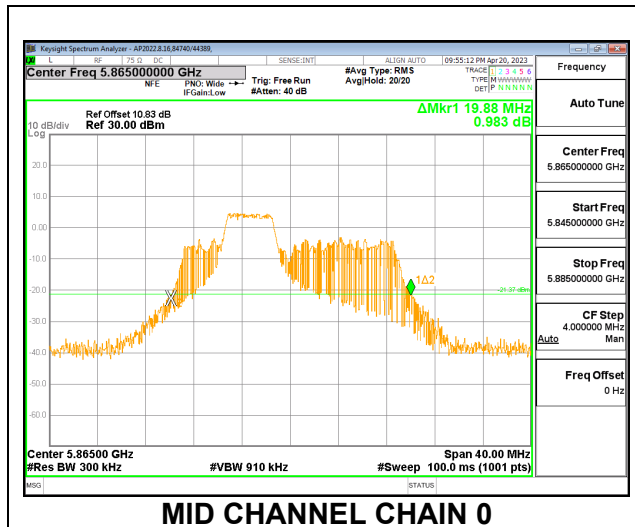
HIGH CHANNEL CHAIN 1
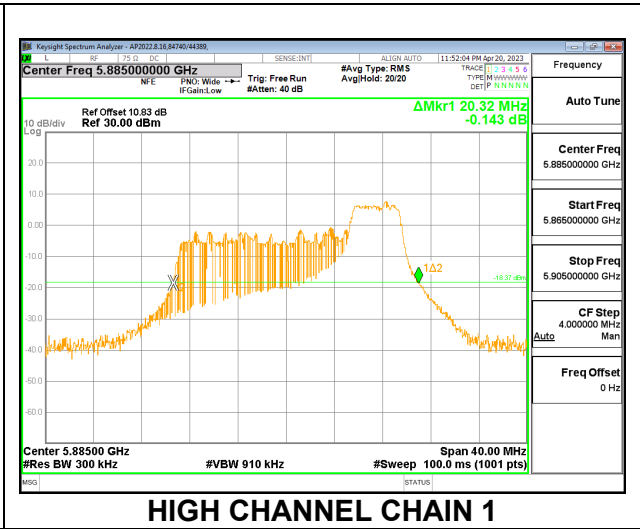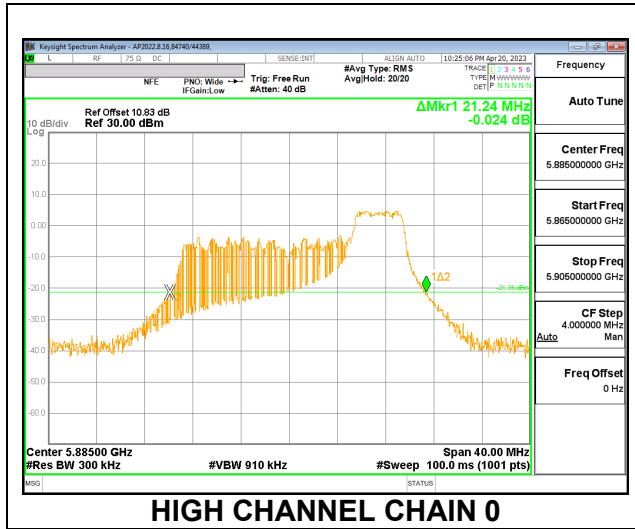
2TX CDD MODE – 106T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	22.96	22.20
Mid	5865	22.92	22.32
High	5885	22.20	21.32

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

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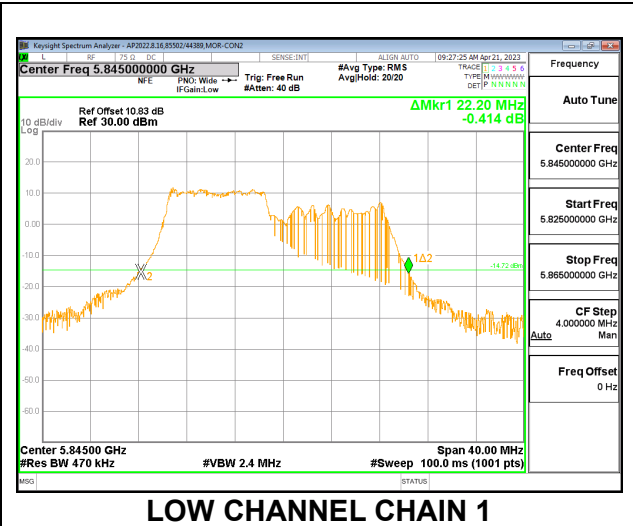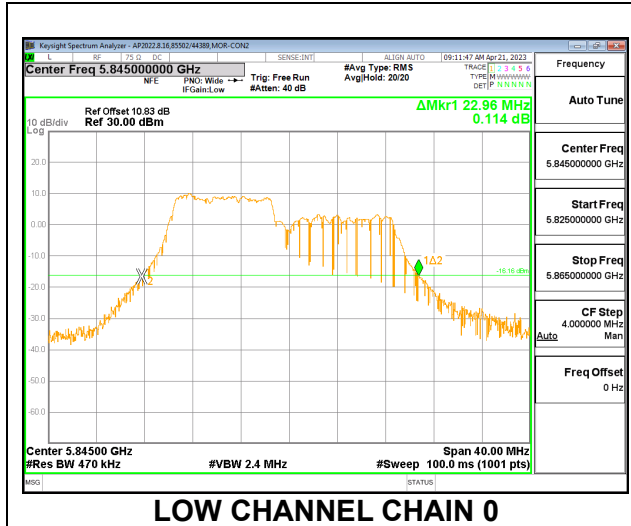
HIGH CHANNEL CHAIN 0
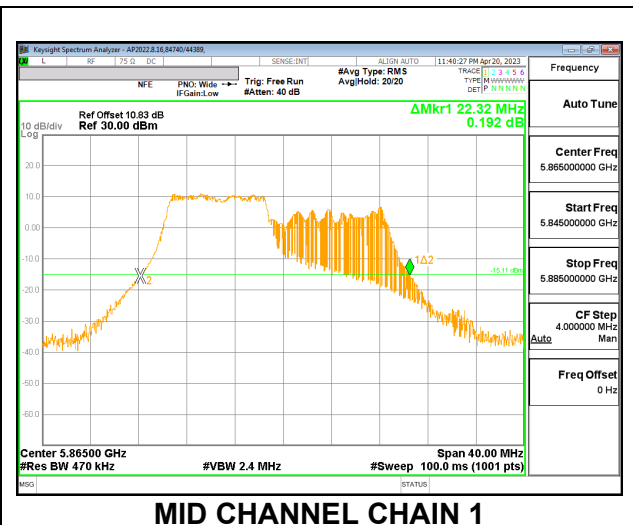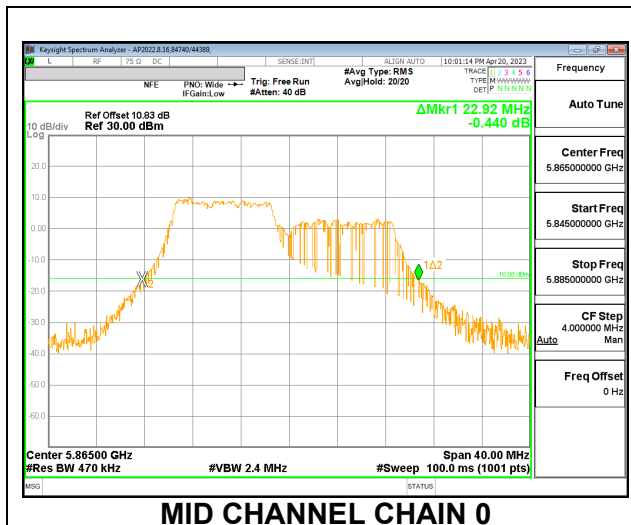
HIGH CHANNEL CHAIN 1
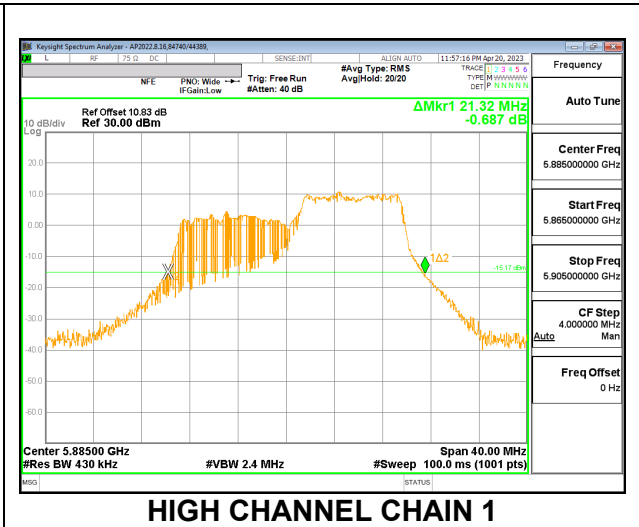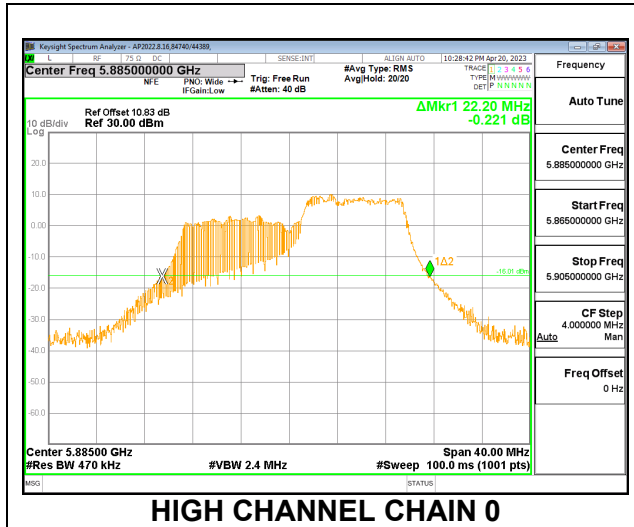
2TX CDD MODE – 242T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5845	23.92	22.88
Mid	5865	23.76	23.80
High	5885	22.84	22.84

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL
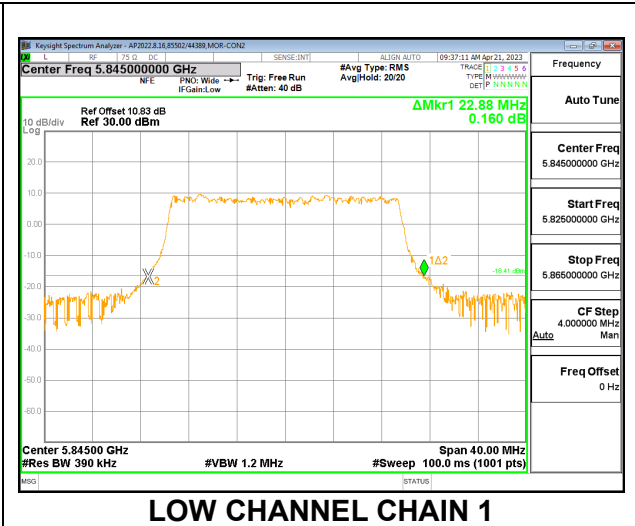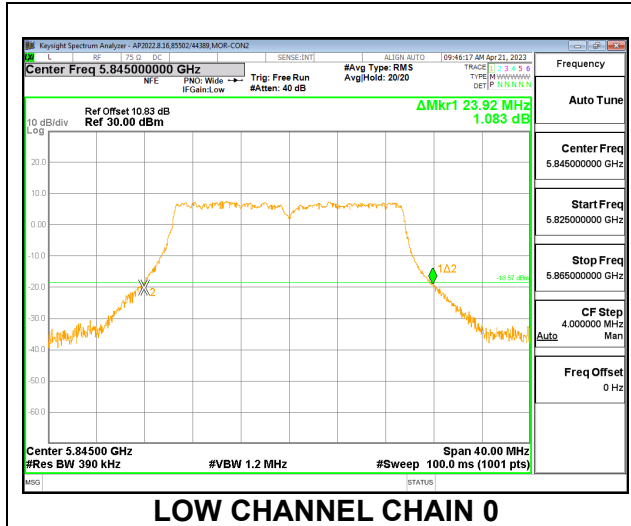
HIGH CHANNEL CHAIN 0
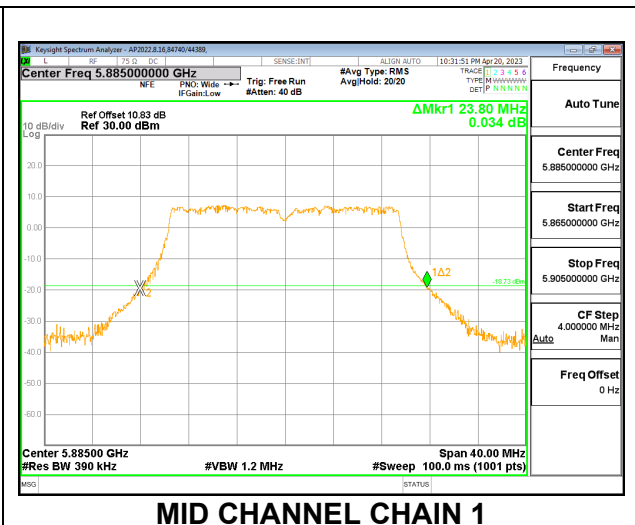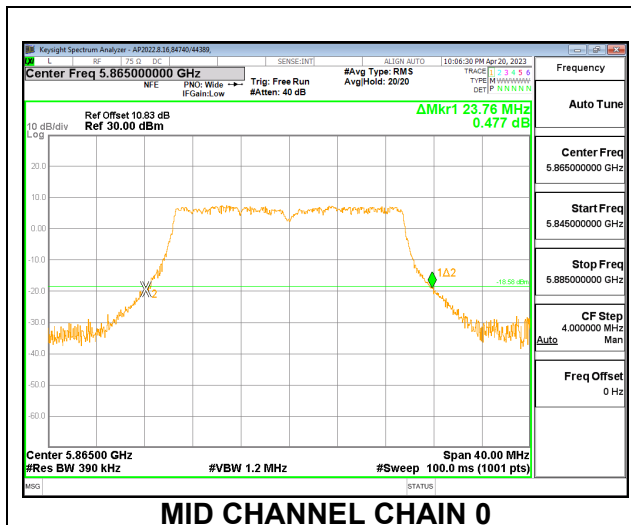
HIGH CHANNEL CHAIN 1
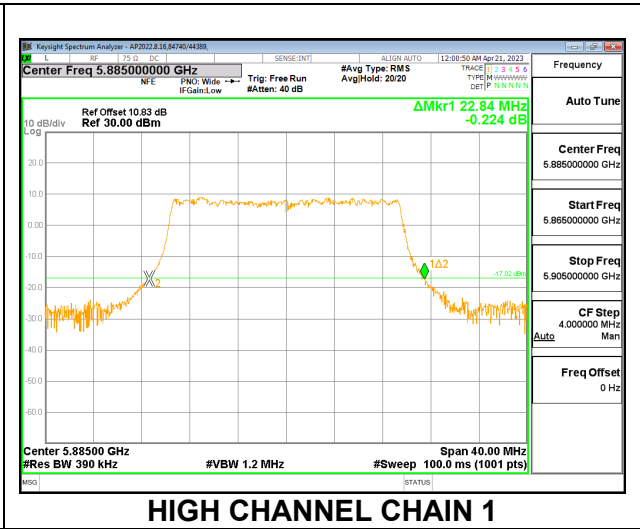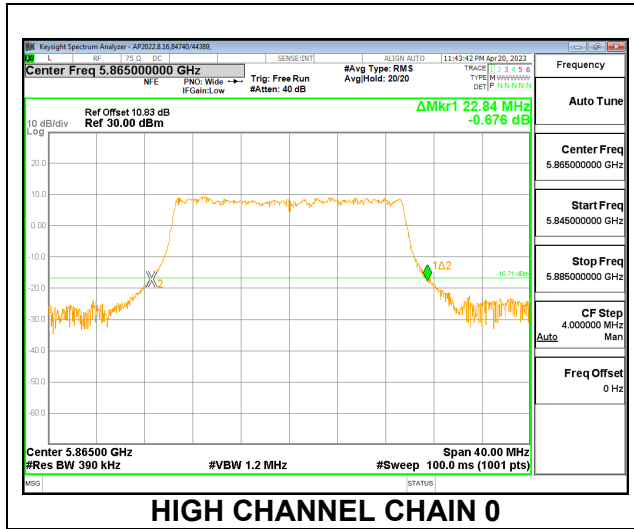
9.2.12. 802.11ax HE40 MODE IN THE 5.9 GHz BAND

2TX CDD MODE – 484T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Low	5835	46.24	46.72
High	5875	46.24	46.24

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1
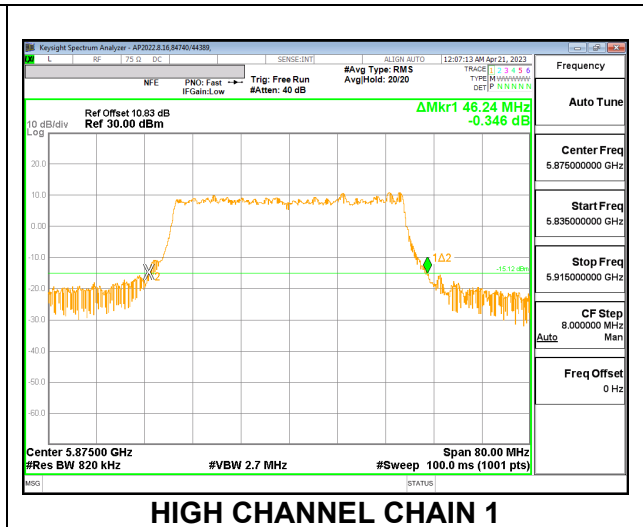
9.2.13. 802.11ax HE80 MODE IN THE 5.9 GHz BAND

2TX CDD MODE – 996T

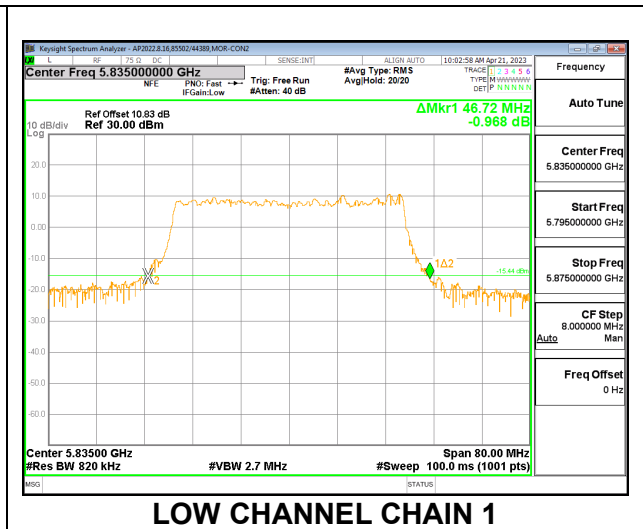| Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5855	95.68	106.08

MID CHANNEL

MID CHANNEL CHAIN 0
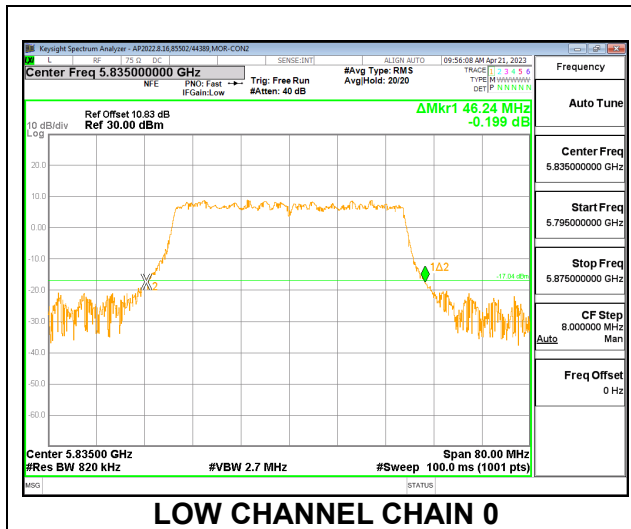

MID CHANNEL CHAIN 1

9.2.14.   802.11ax HE160 MODE IN THE 5.9 GHz BAND
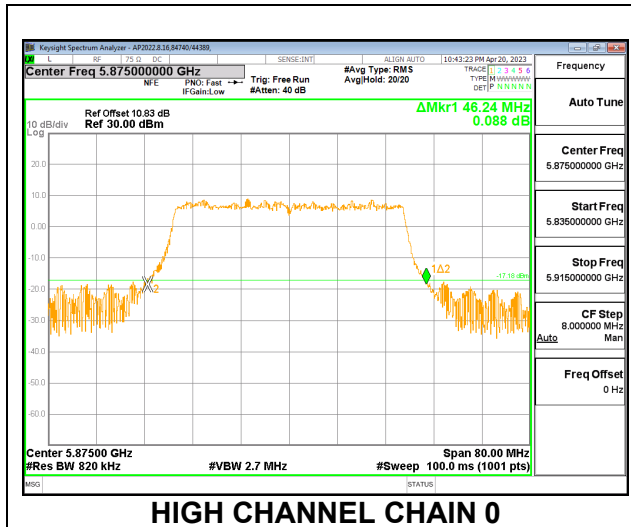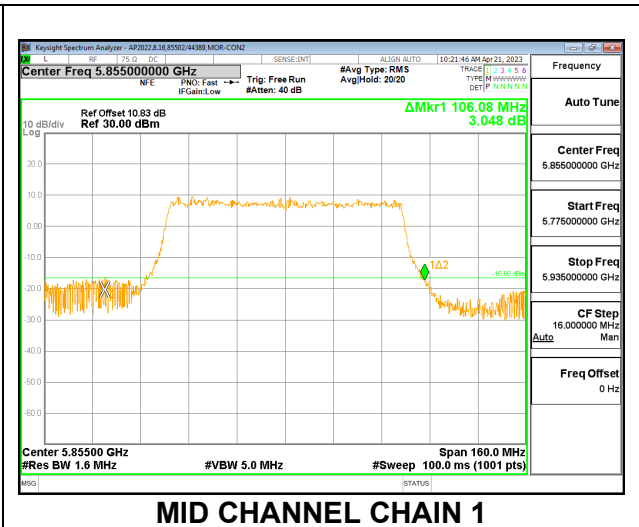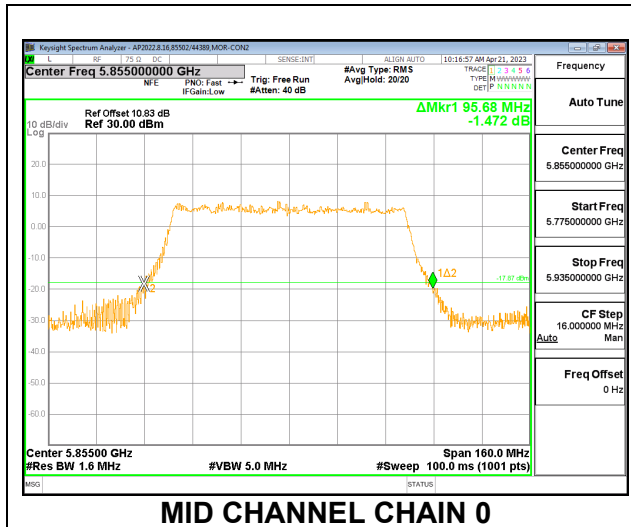
2TX CDD MODE – 2x996T

Channel	Frequency (MHz)	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5815	168.32	167.68

MID CHANNEL

MID CHANNEL CHAIN 0   **MID CHANNEL CHAIN 1**
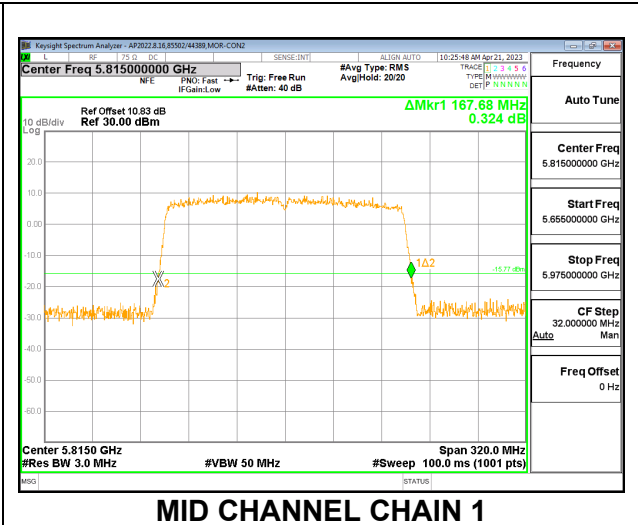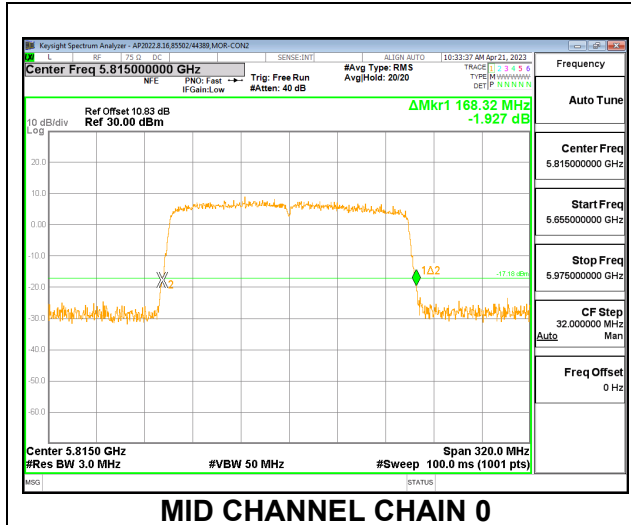
9.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

RSS-247 6.2.4.1

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

This report shall not be reproduced except in full, without the written approval of UL LLC

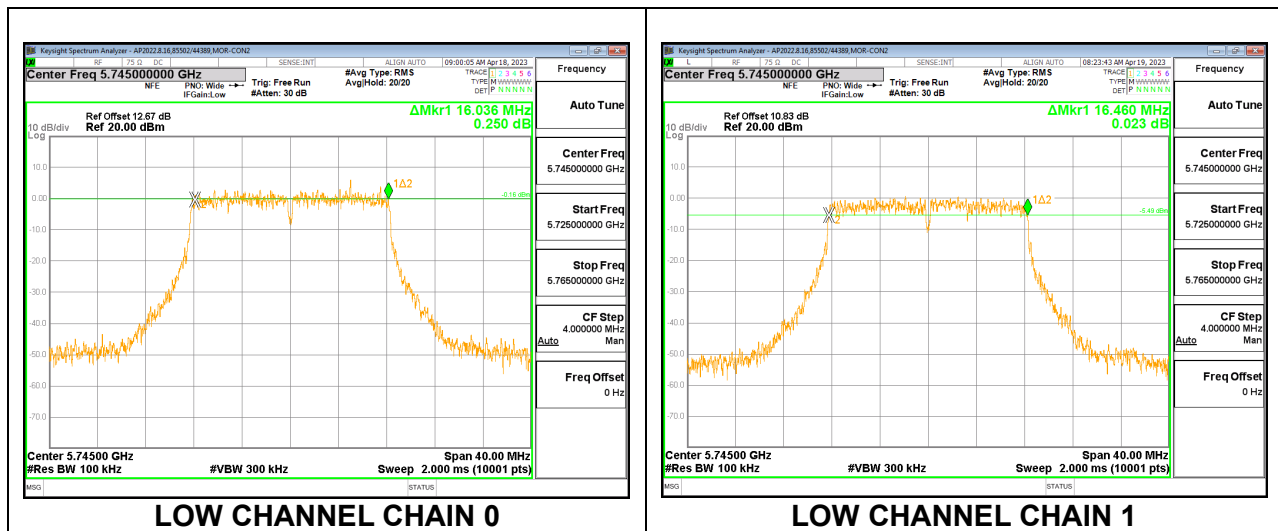### 9.1.1. 802.11a MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.036	16.460	0.5
Mid	5785	16.320	16.368	0.5
High	5825	16.308	16.376	0.5
144	5720	3.180	3.236	0.5

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

CHANNEL 144
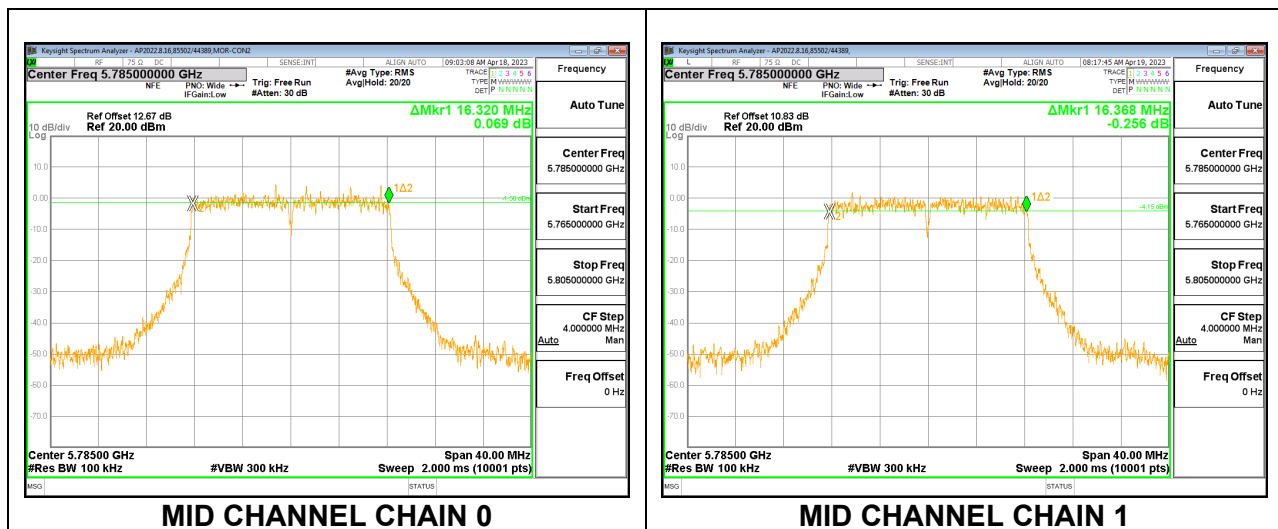
CHANNEL 144 CHAIN 0
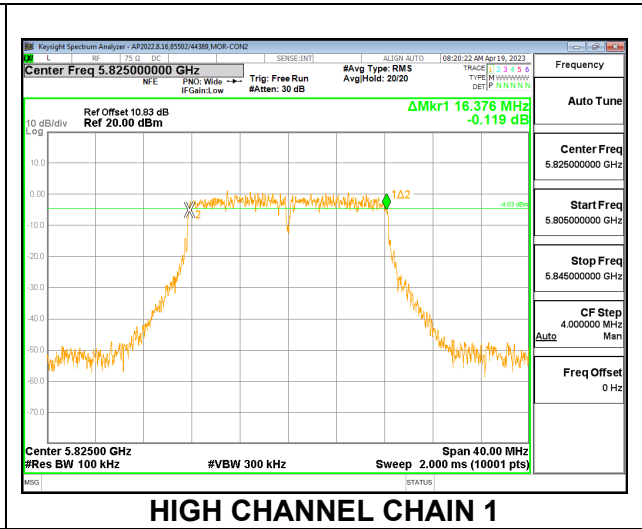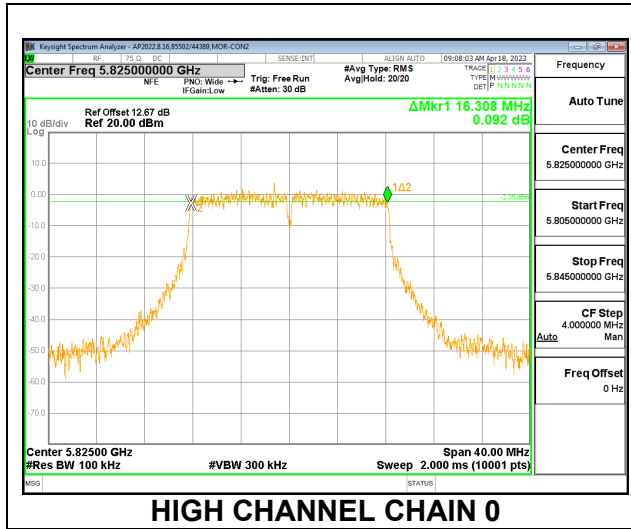
CHANNEL 144 CHAIN 1
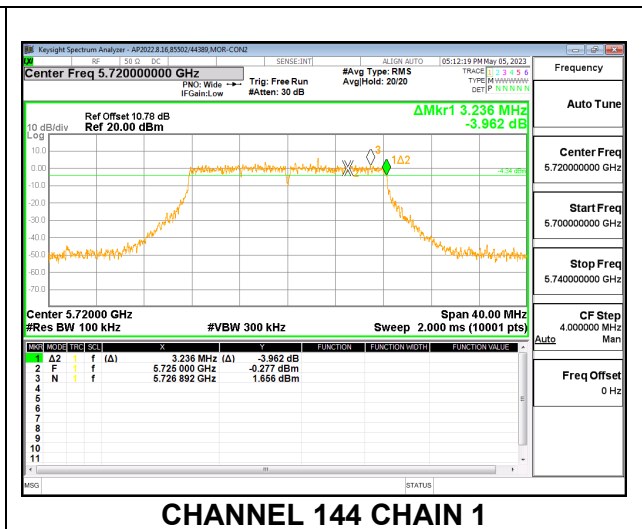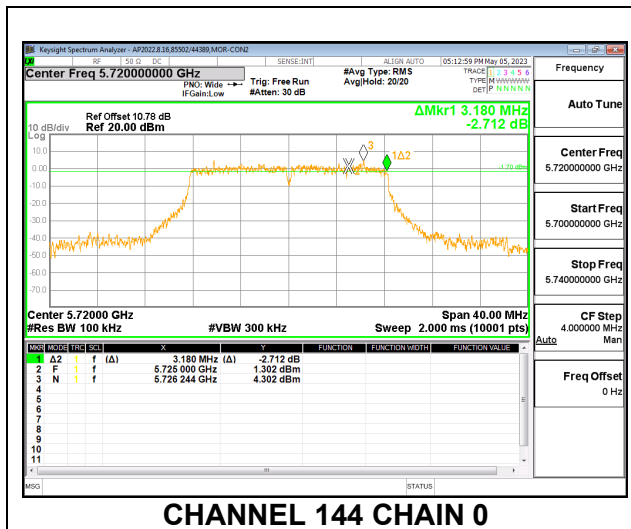
9.1.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency	6 dB BW Chain 0	6 dB BW Chain 1	Minimum Limit
	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	17.204	17.612	0.5
Mid	5785	17.184	17.588	0.5
High	5825	17.576	17.616	0.5
144	5720	3.864	3.852	0.5

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

CHANNEL 144
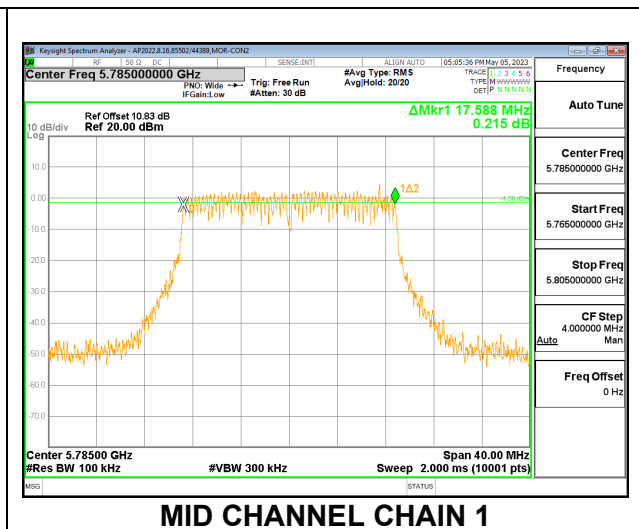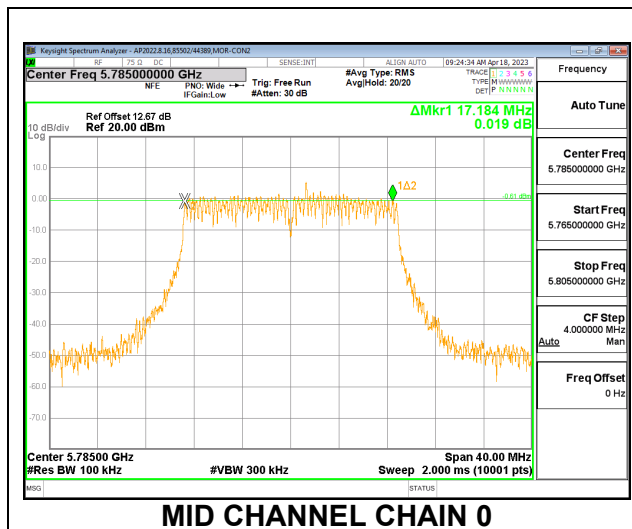
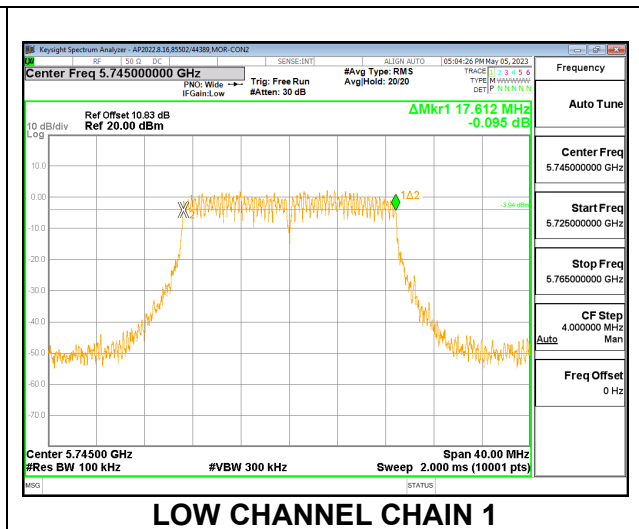**CHANNEL 144 CHAIN 0**

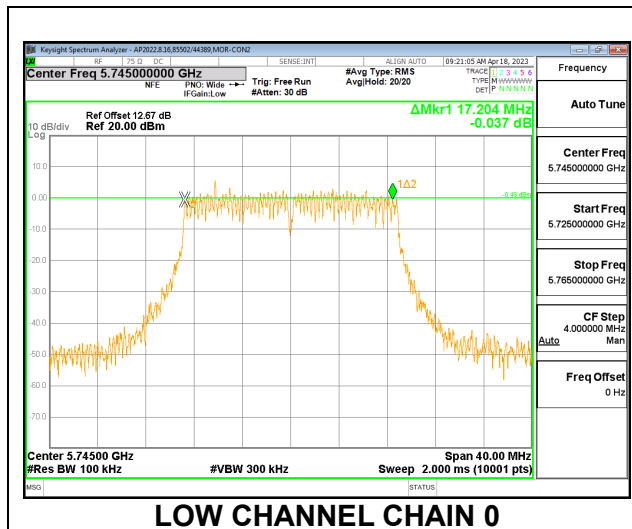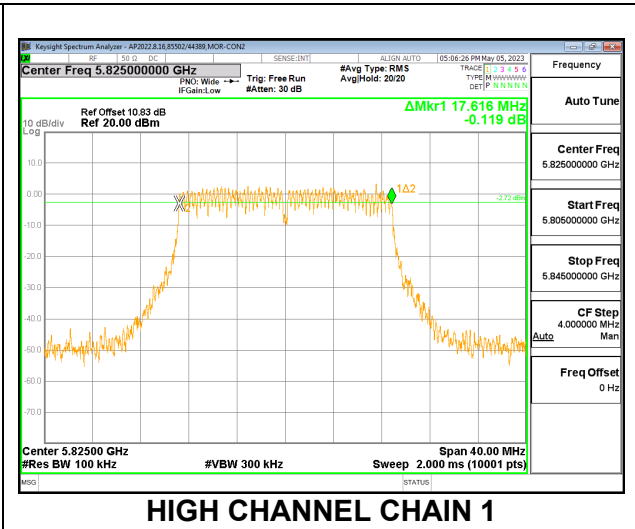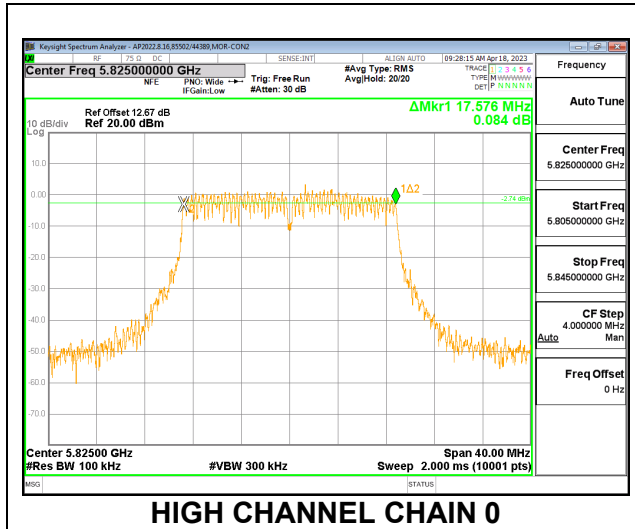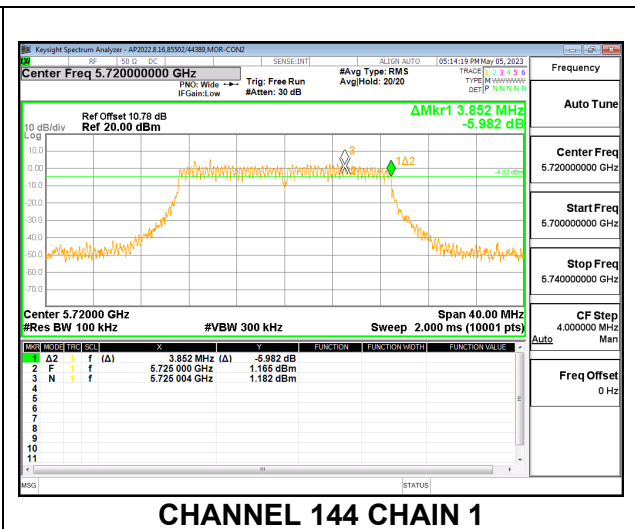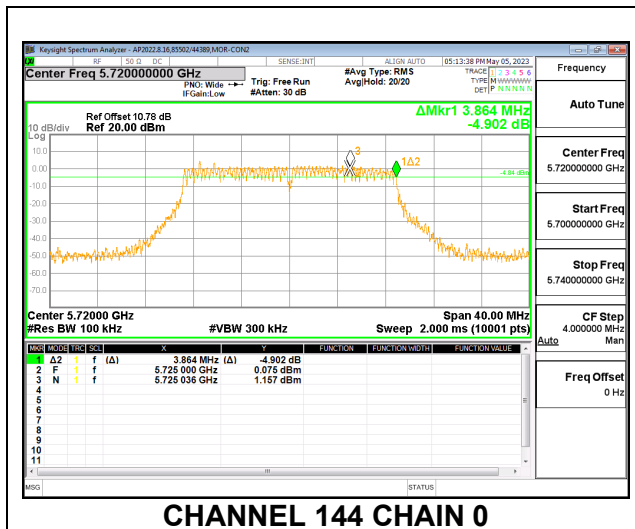**CHANNEL 144 CHAIN 1**

9.1.3. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	35.648	35.688	0.5
High	5795	35.616	35.216	0.5
142	5710	3.104	3.248	0.5

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

CHANNEL 142
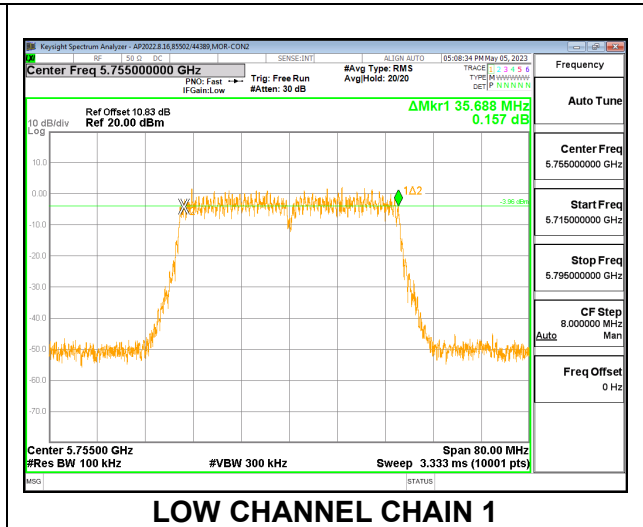

CHANNEL 142 CHAIN 0

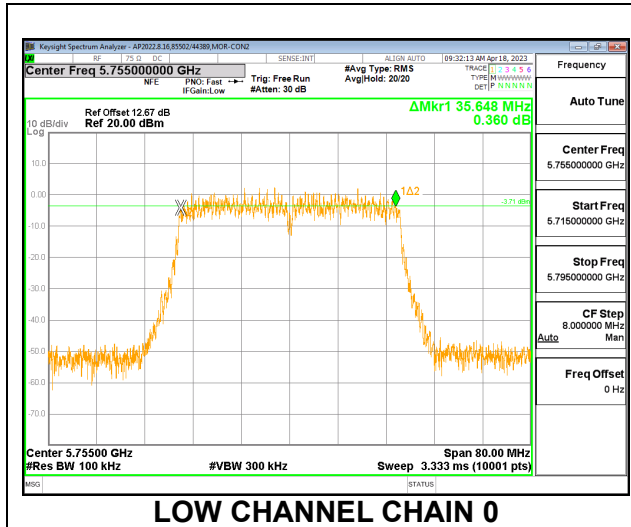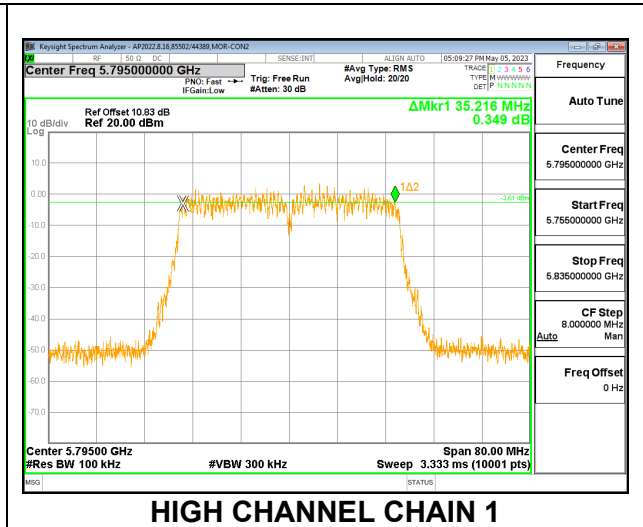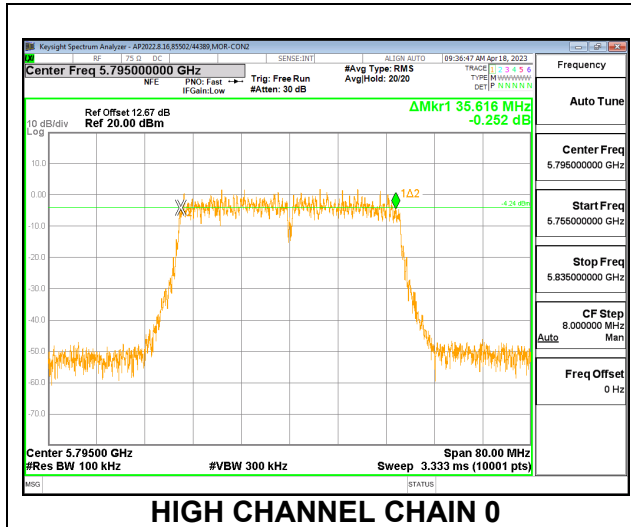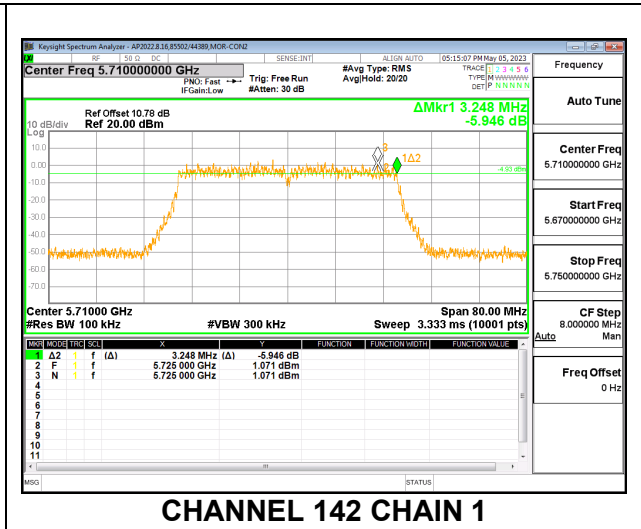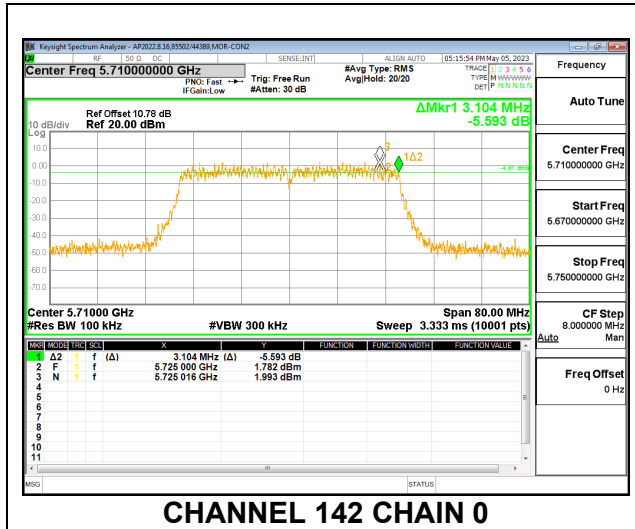

CHANNEL 142 CHAIN 1

9.1.4. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

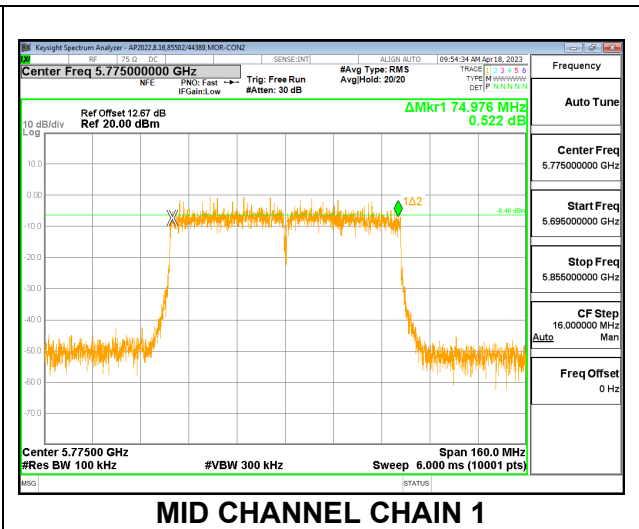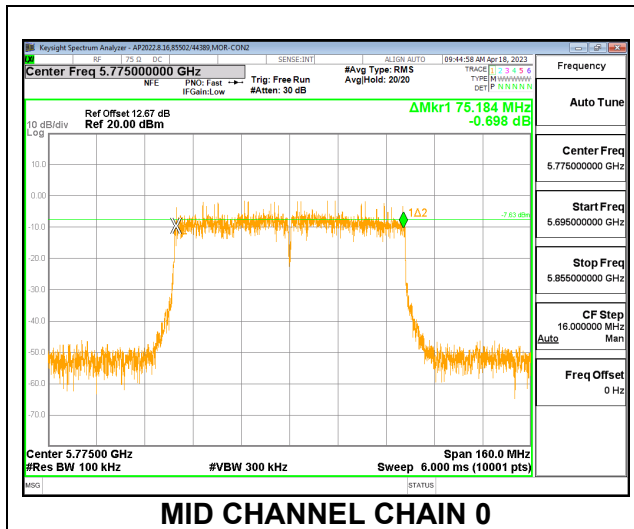### 2TX CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.184	74.976	0.5
138	5690	3.176	3.208	0.5

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

CHANNEL 138

CHANNEL 138 CHAIN 0

CHANNEL 138 CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL LLC