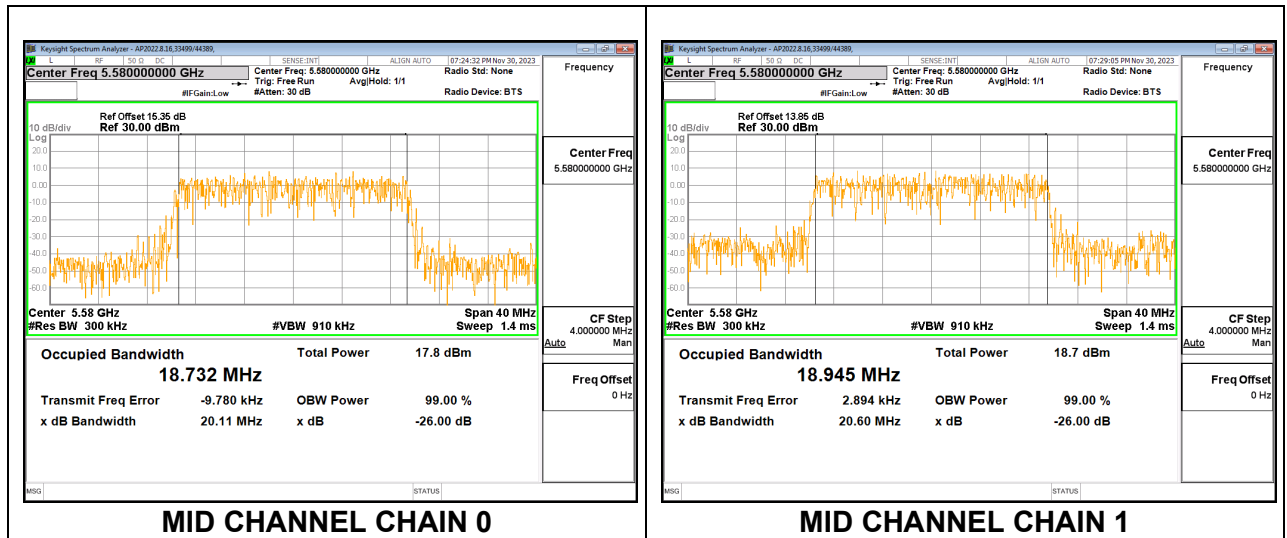


2TX CHAIN 0 + CHAIN 1 CDD MODE – 242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5500	18.9863	18.8950
Mid	5580	18.7316	18.9449
High	5700	18.8739	18.9486
144	5720	19.0290	19.0020

MID CHANNEL

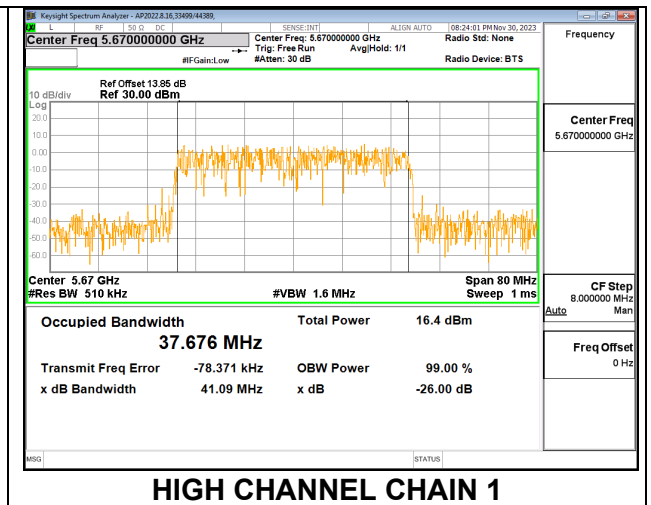
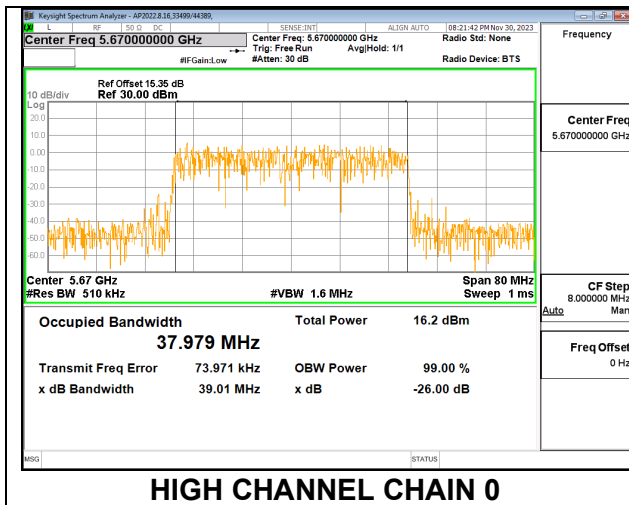


10.4.29. 802.11be EHT40 MODE IN THE 5.6 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5510	37.6792	38.0511
Mid	5550	37.7952	37.8279
High	5670	37.9786	37.6761
142	5710	37.8550	37.8110

HIGH CHANNEL

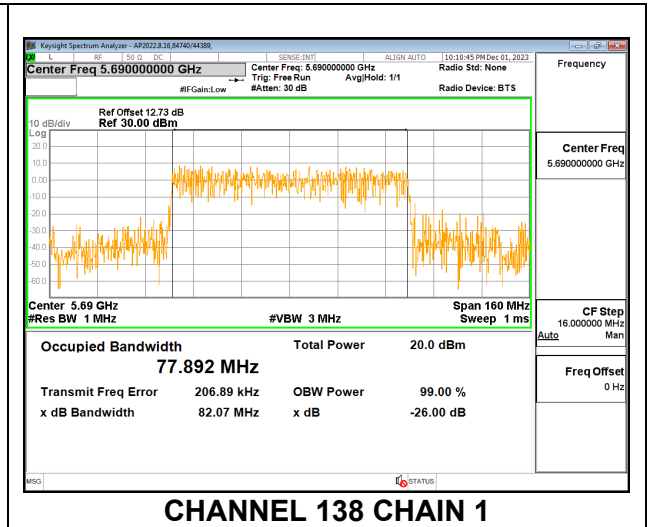
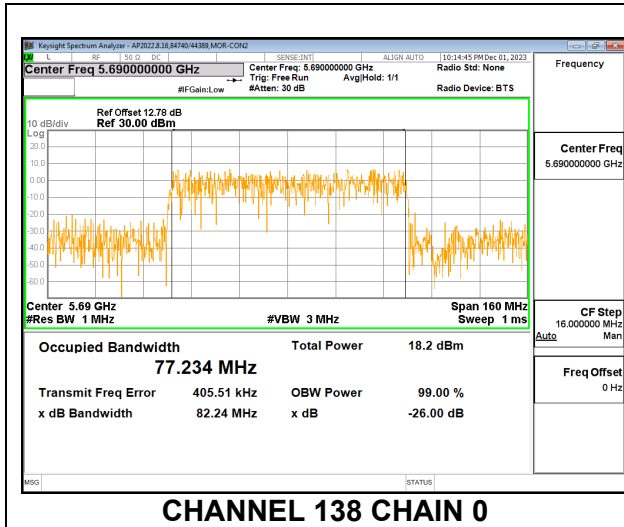


10.4.30. 802.11be EHT80 MODE IN THE 5.6 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 996T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5530	77.2883	77.6844
High	5610	77.5003	77.4480
138	5690	77.2340	77.8920

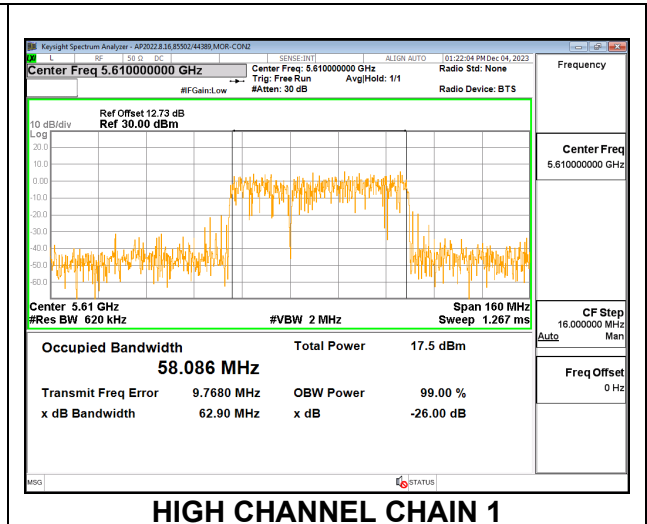
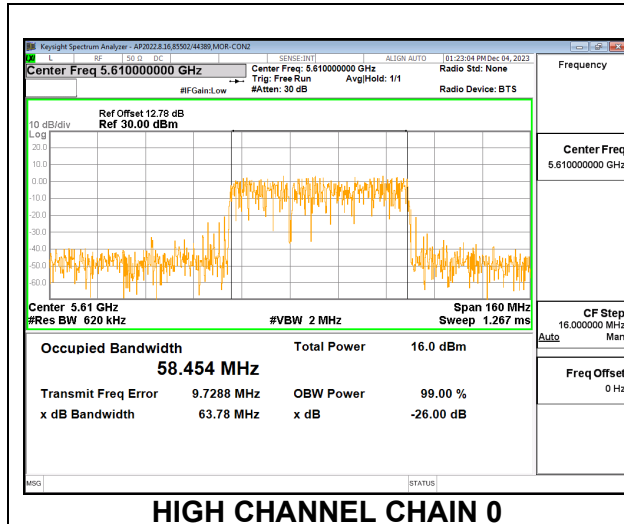
CHANNEL 138



2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T+242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5530	58.3890	57.9860
High	5610	58.4540	58.0860
138	5690	58.6840	58.5210

HIGH CHANNEL

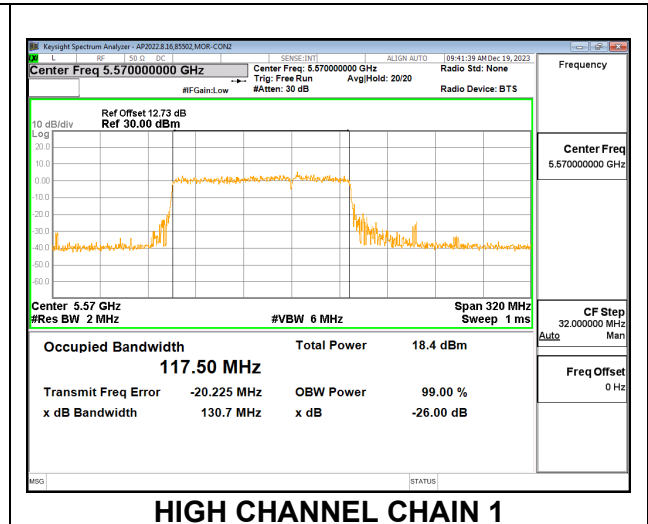
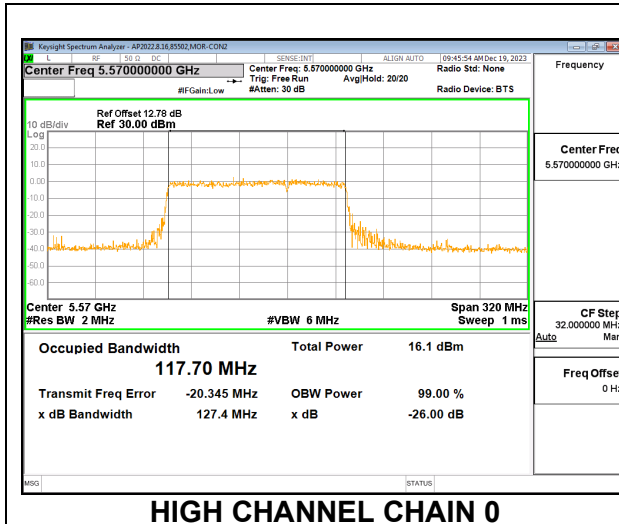


10.4.31. 802.11be EHT160 MODE IN THE 5.6 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 996T+484T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5570	117.70	117.50

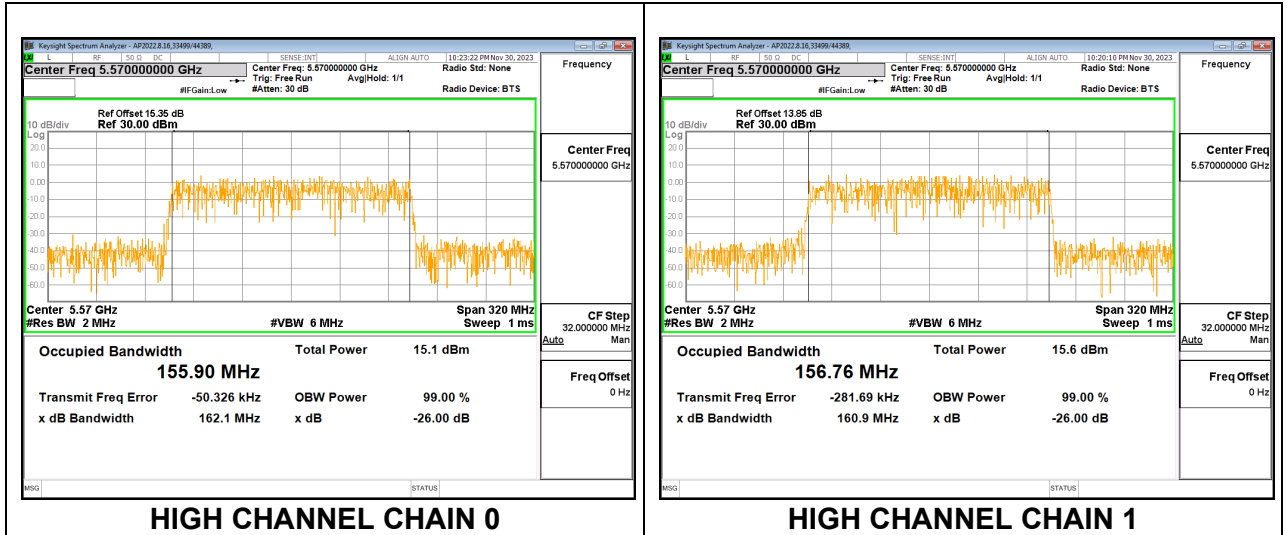
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 2*996T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5570	155.90	156.76

MID CHANNEL

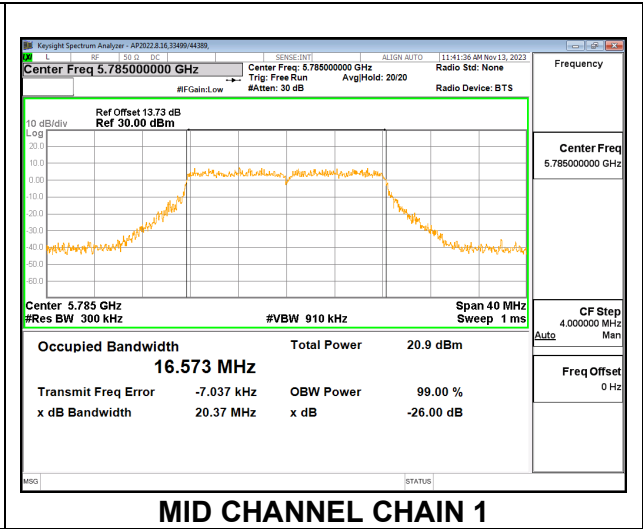
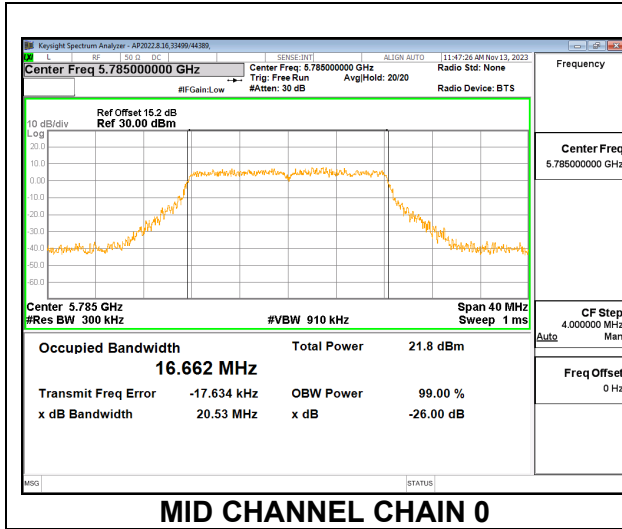


10.4.32. 802.11a MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	16.6620	16.6290
Mid	5785	16.6620	16.5730
High	5825	16.6110	16.6320

MID CHANNEL

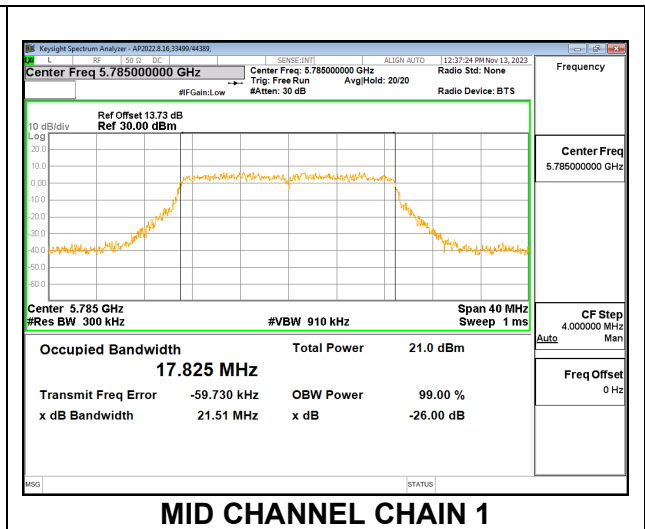
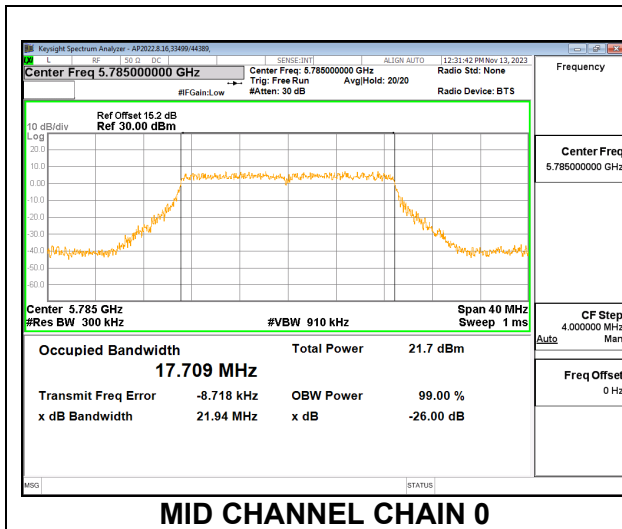


10.4.33. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	17.8010	17.7640
Mid	5785	17.7090	17.8250
High	5825	17.7530	17.7970

MID CHANNEL

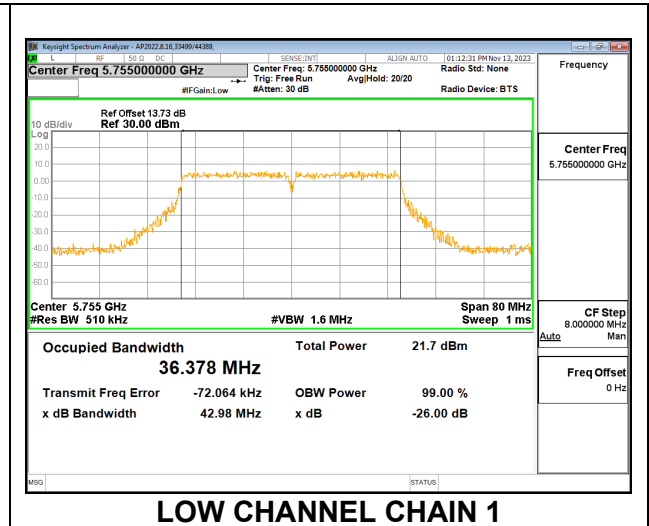
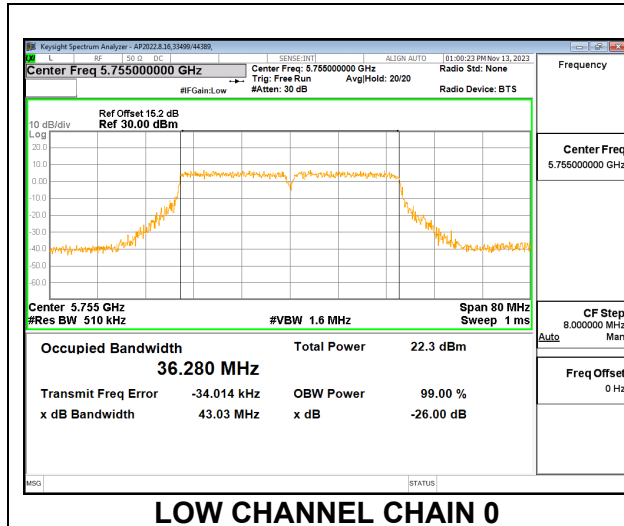


10.4.34. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5755	36.2800	36.3780
High	5795	36.4530	36.4750

LOW CHANNEL

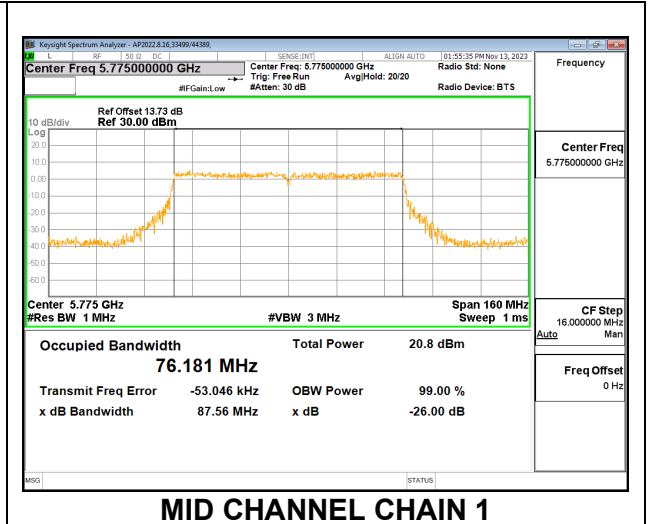
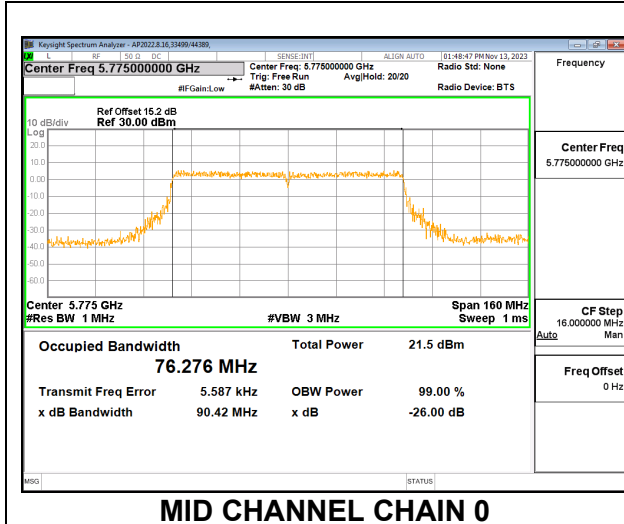


10.4.35. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5775	76.2760	76.1810

MID CHANNEL

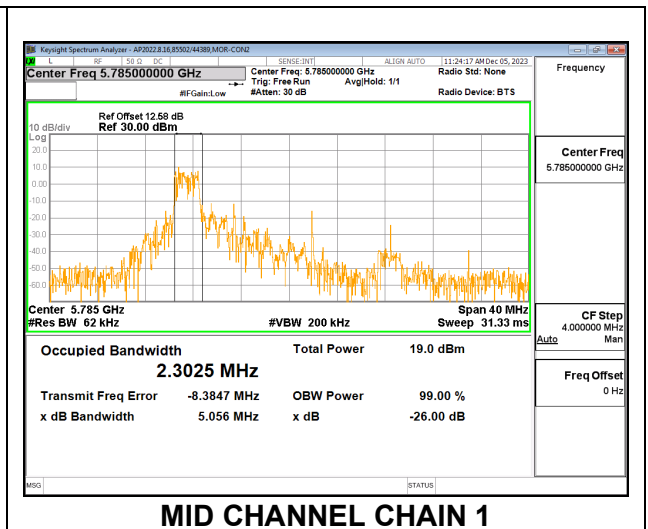
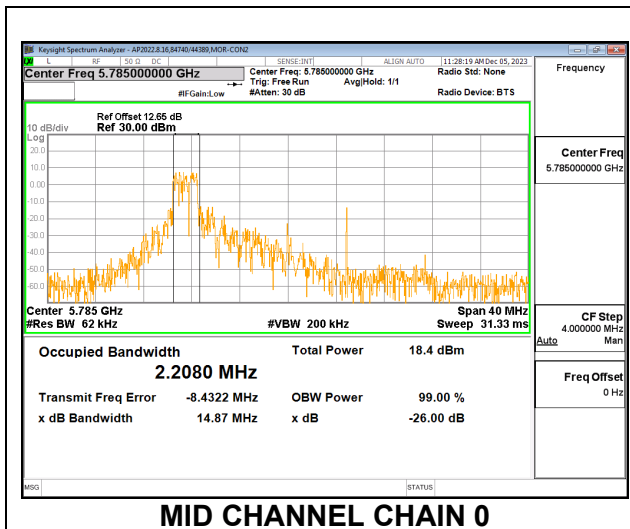


10.4.36. 802.11be EHT20 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	2.2870	2.2382
Mid	5785	2.2080	2.3025
High	5825	2.3120	2.2085

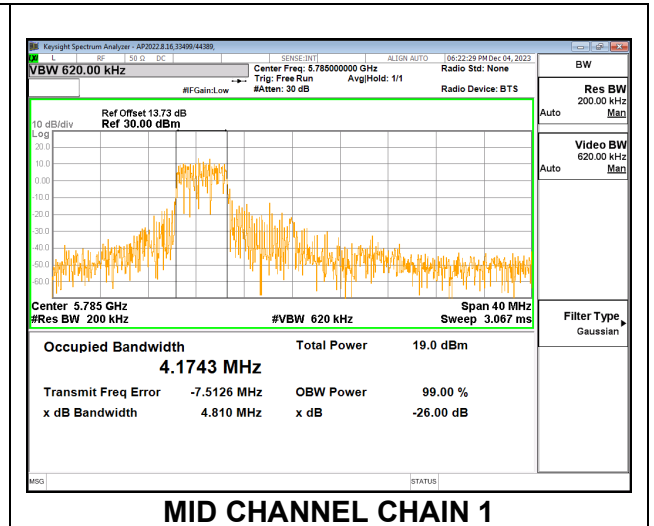
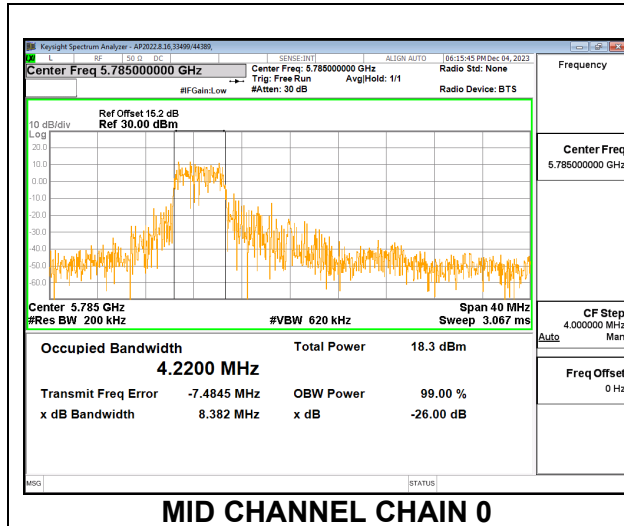
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	4.1833	4.2449
Mid	5785	4.2200	4.1743
High	5825	4.2727	4.2496

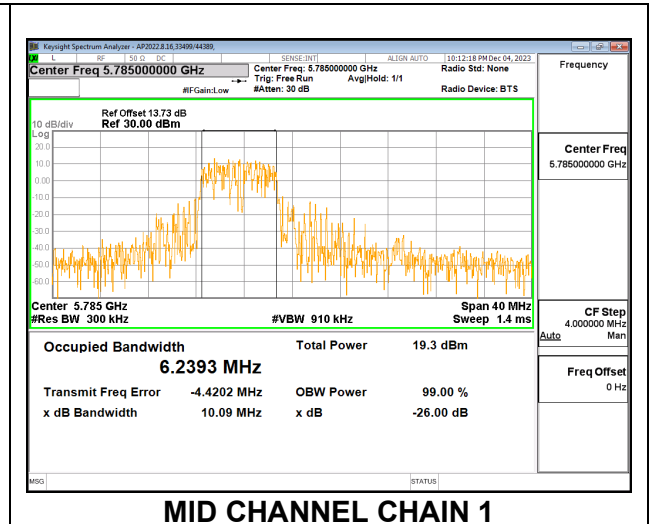
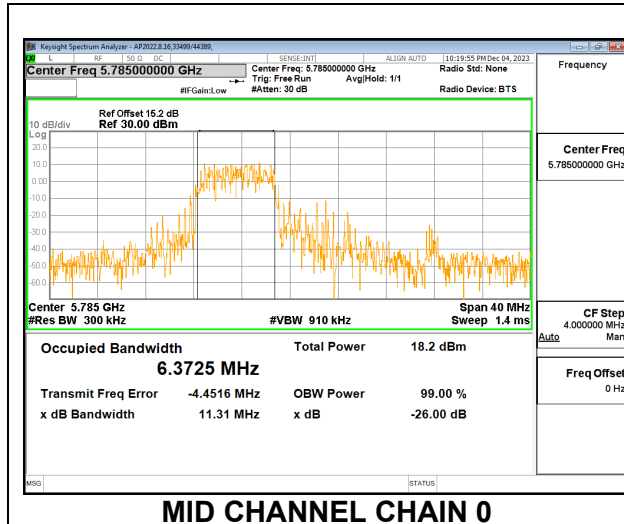
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 52T+26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	6.3732	6.2565
Mid	5785	6.3725	6.2393
High	5825	6.5439	6.1499

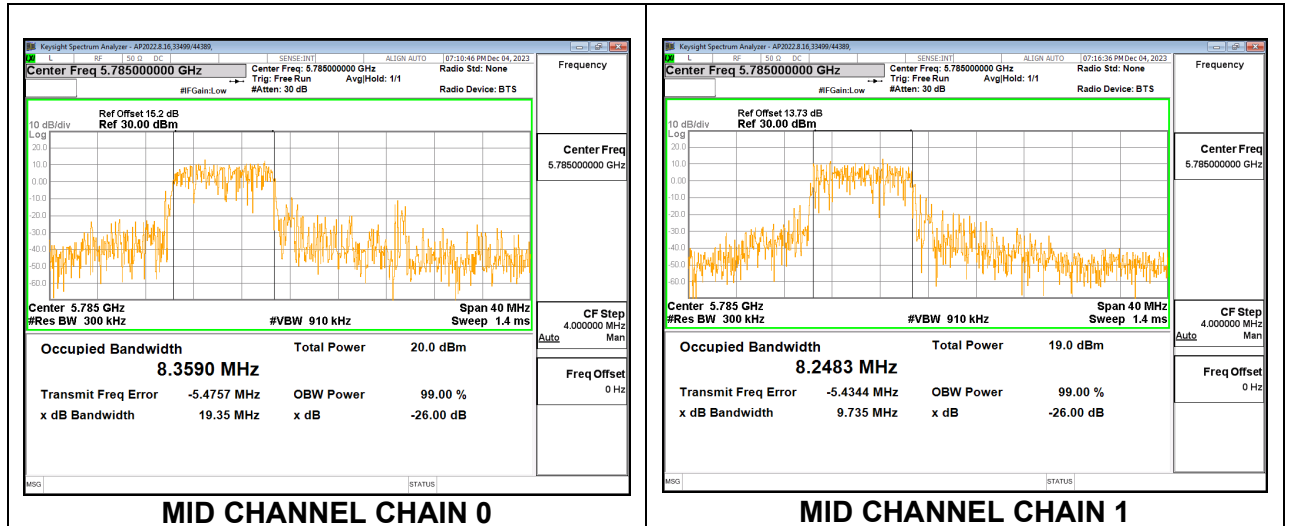
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 106T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	8.3480	8.3570
Mid	5785	8.3590	8.2483
High	5825	8.3584	8.6111

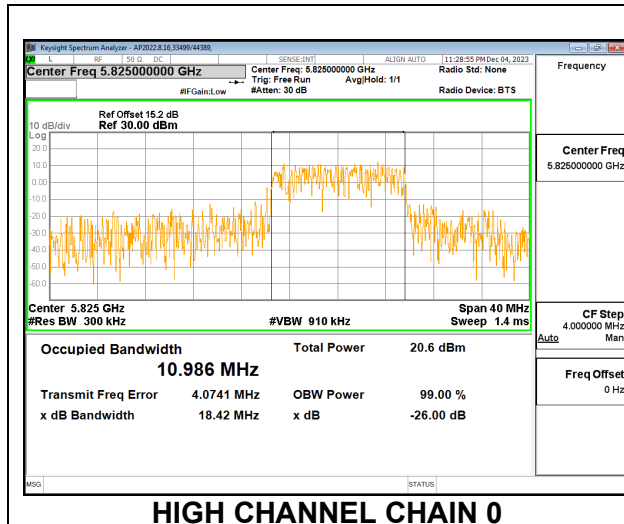
MID CHANNEL



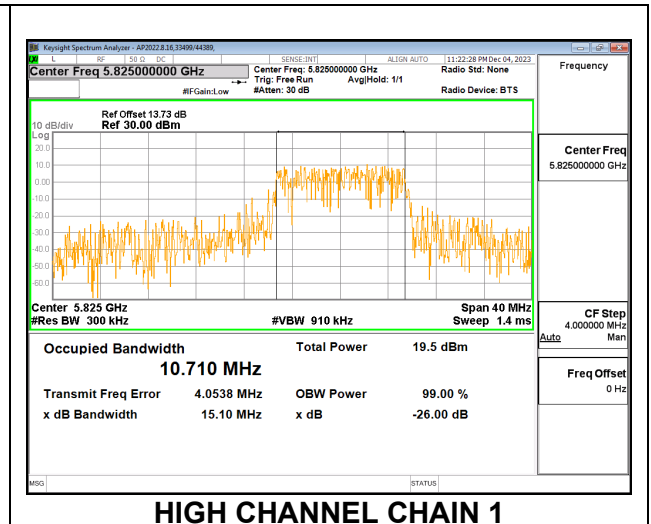
2TX CHAIN 0 + CHAIN 1 CDD MODE – 106T+26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	10.9590	10.9020
Mid	5785	10.7760	10.7760
High	5825	10.9860	10.7100

HIGH CHANNEL



HIGH CHANNEL CHAIN 0

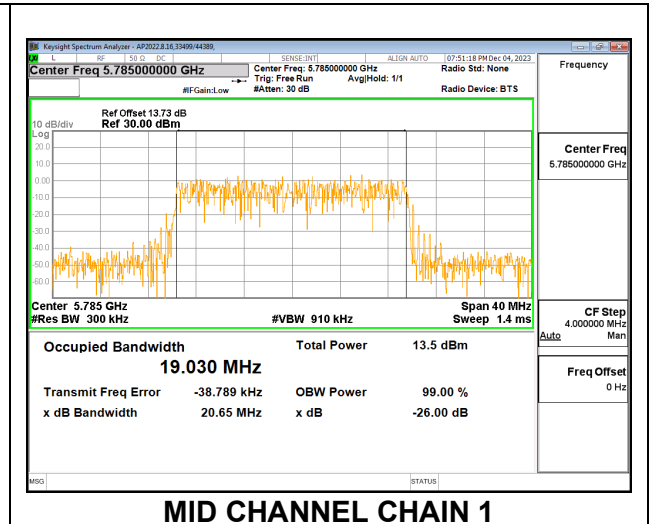
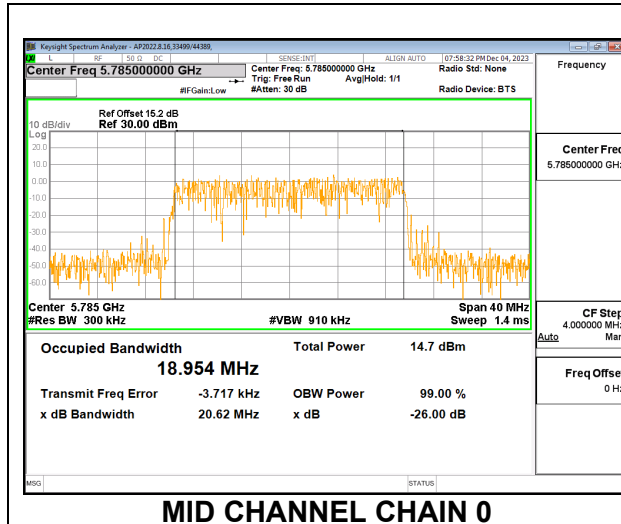


HIGH CHANNEL CHAIN 1

2TX CHAIN 0 + CHAIN 1 CDD MODE – 242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5745	19.0120	18.9740
Mid	5785	18.9540	19.0300
High	5825	19.0230	19.0200

MID CHANNEL

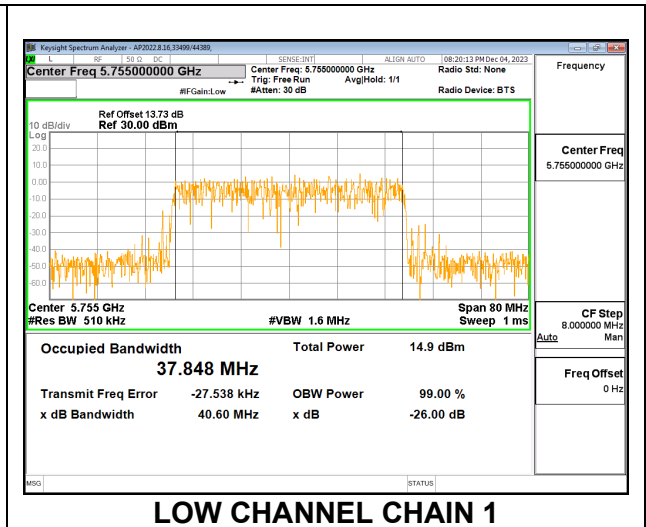
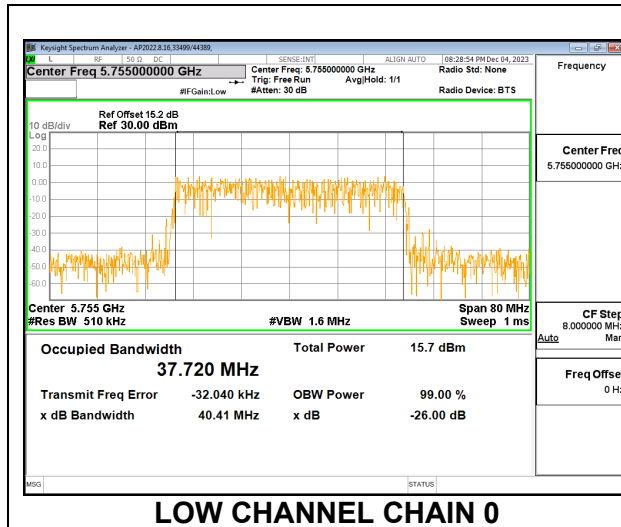


10.4.37. 802.11be EHT40 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5755	37.7200	37.8480
High	5795	38.0090	37.8480

LOW CHANNEL

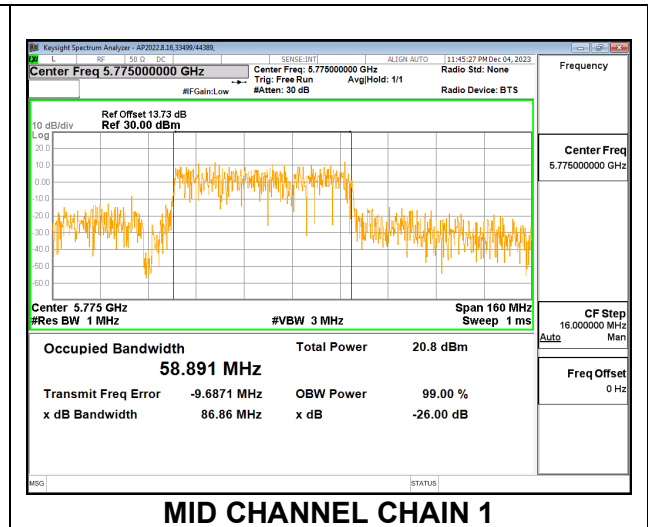
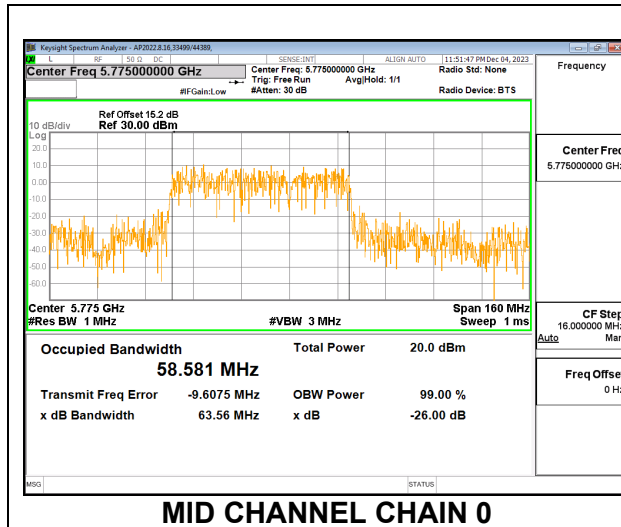


10.4.38. 802.11be EHT80 MODE IN THE 5.8 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T+242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5775	58.5810	58.8910

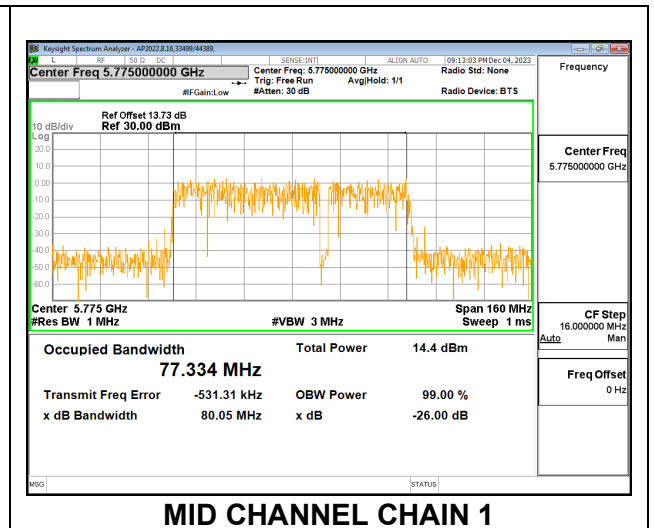
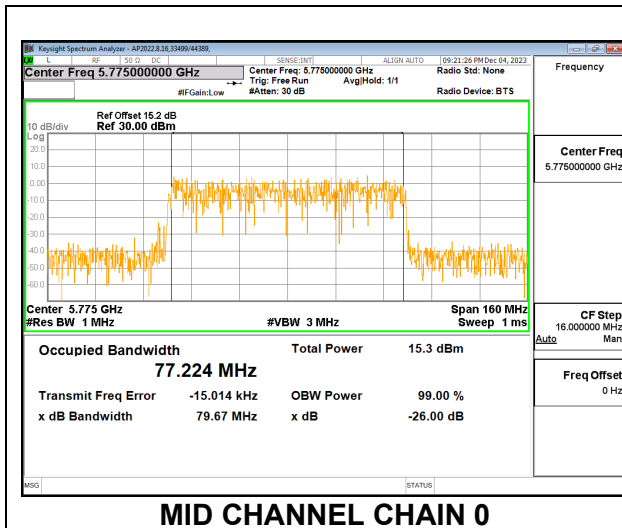
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 996T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5775	77.2240	77.3340

MID CHANNEL

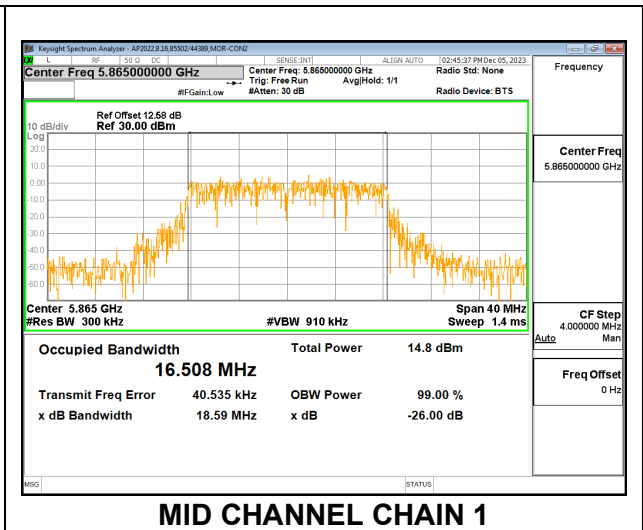
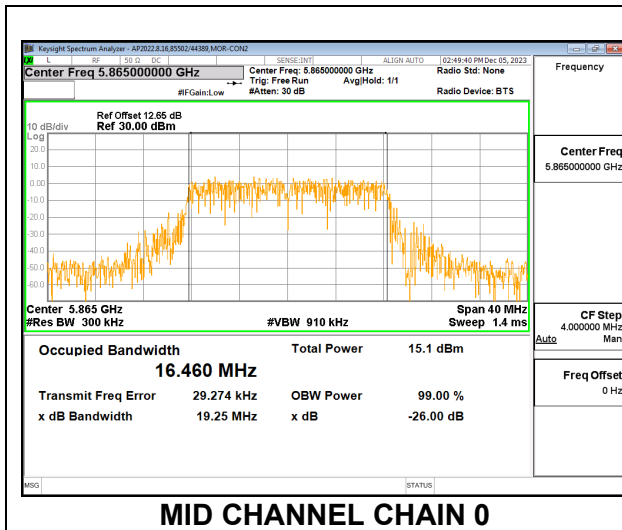


10.4.39. 802.11a MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	16.6890	16.6780
Mid	5865	16.4600	16.5080
High	5885	16.4530	16.4710

MID CHANNEL

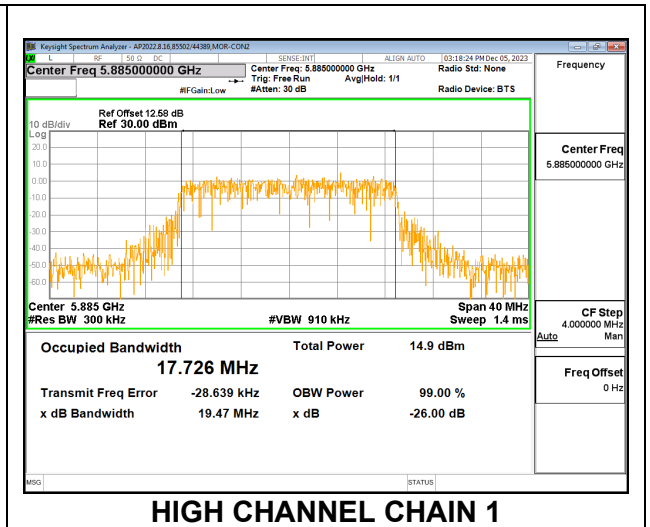
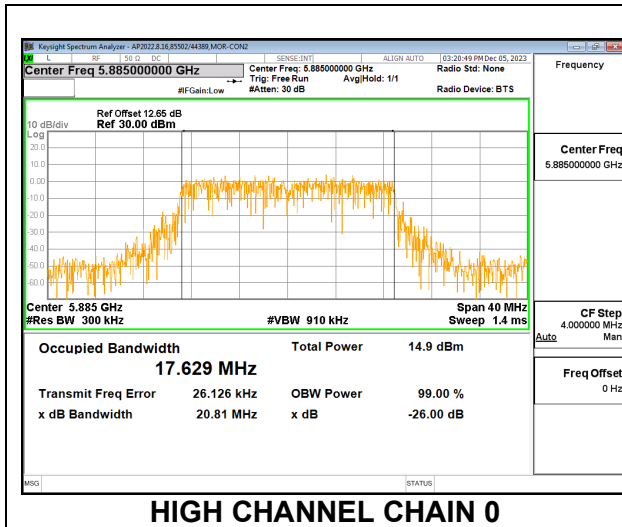


10.4.40. 802.11n HT20 MODE IN THE 5.9 GHZ BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	17.7233	17.7968
Mid	5865	17.7280	17.6950
High	5885	17.6287	17.7260

HIGH CHANNEL

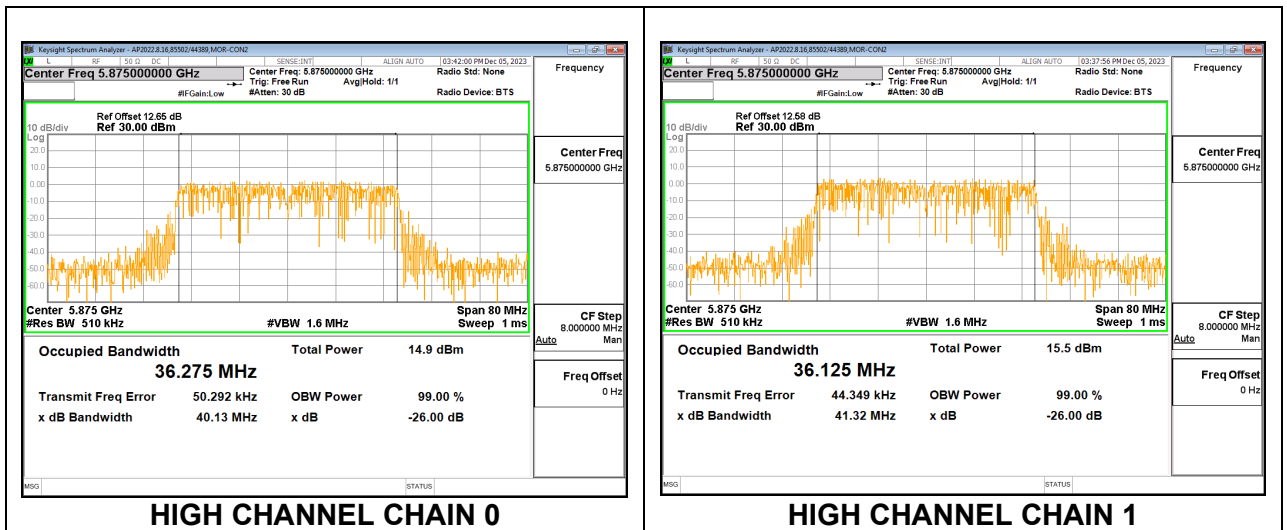


10.4.41. 802.11n HT40 MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5835	36.2460	36.3690
High	5875	36.2750	36.1250

HIGH CHANNEL

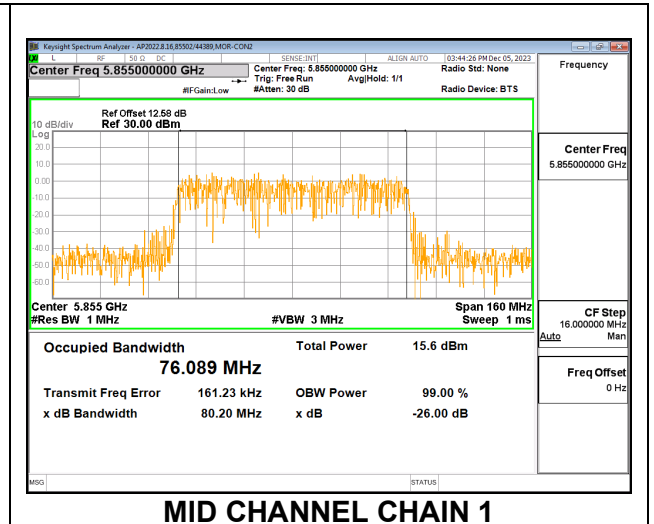
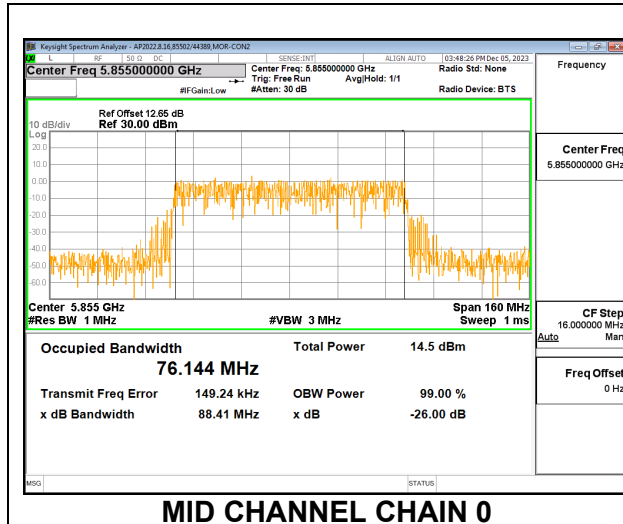


10.4.42. 802.11ac VHT80 MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5855	76.1440	76.0890

MID CHANNEL

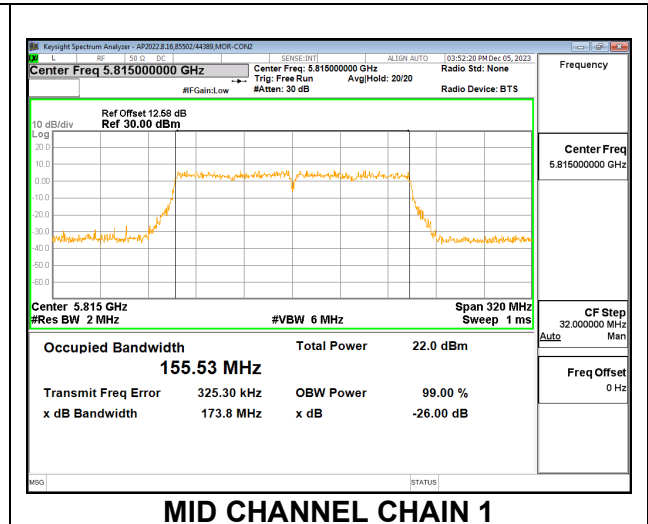
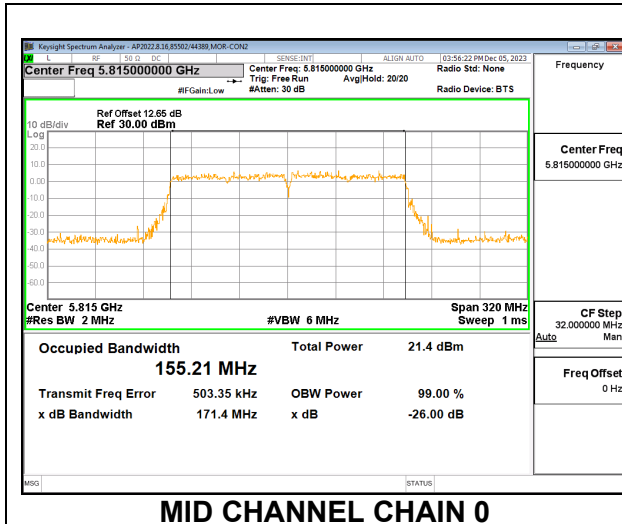


10.4.43. 802.11ac VHT160 MODE IN THE 5.8/5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5815	155.2100	155.5300

MID CHANNEL

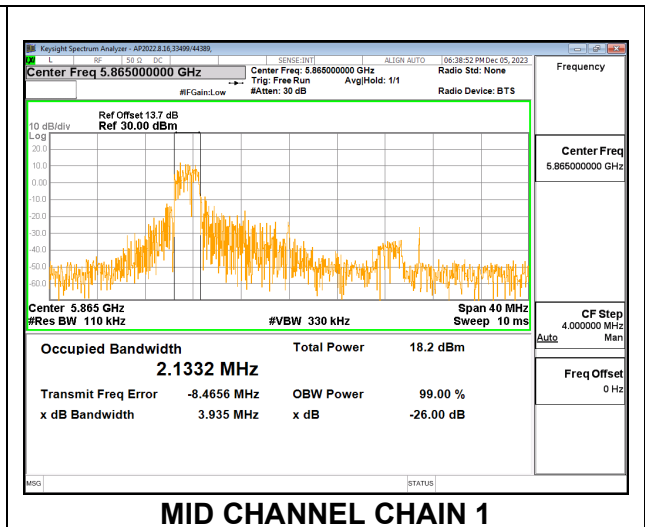
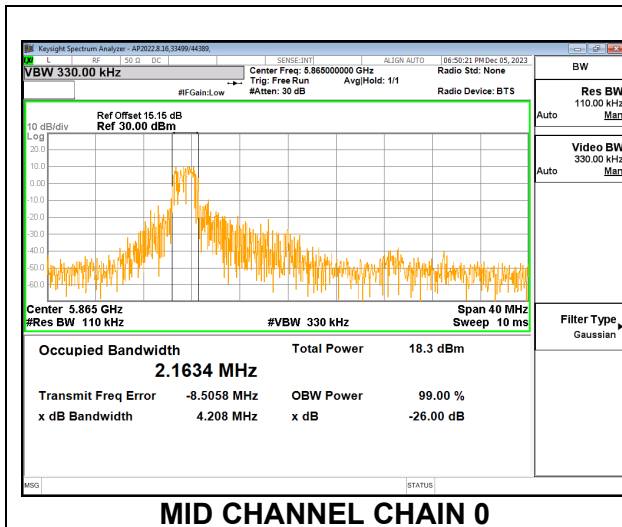


10.4.44. 802.11be EHT20 MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	2.2621	2.2937
Mid	5865	2.1634	2.1332
High	5885	2.3080	2.1706

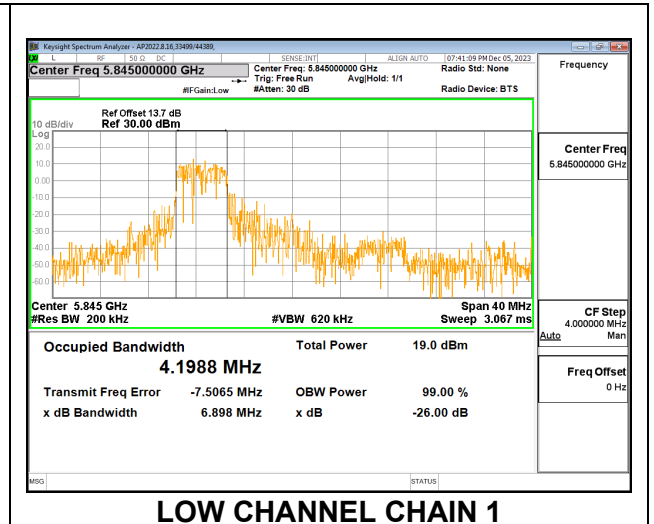
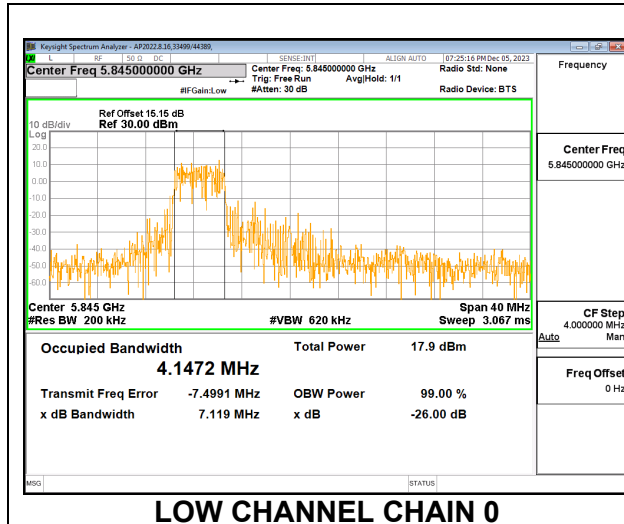
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	4.1472	4.1988
Mid	5865	4.2124	4.2167
High	5885	4.1798	4.2045

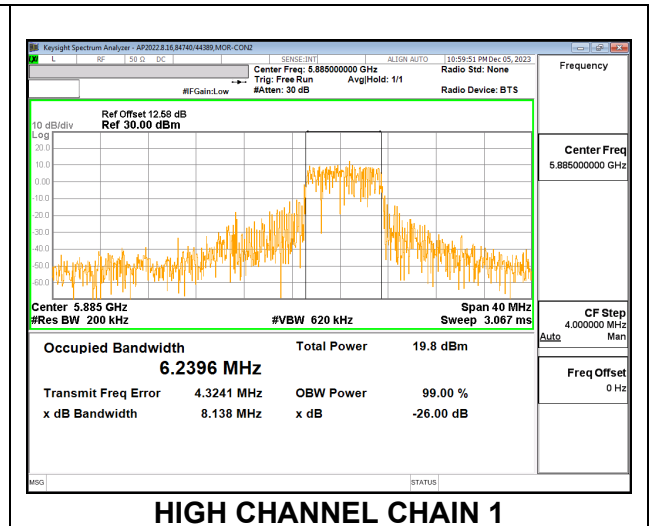
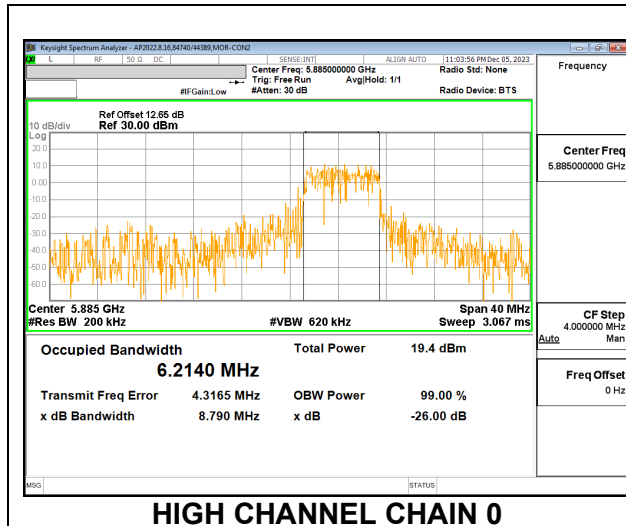
LOW CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 52T+26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	6.2537	6.2609
Mid	5865	6.2553	6.2858
High	5885	6.2140	6.2396

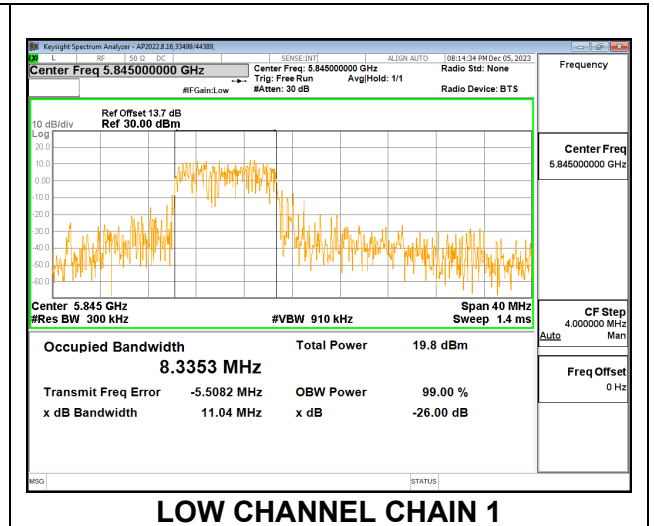
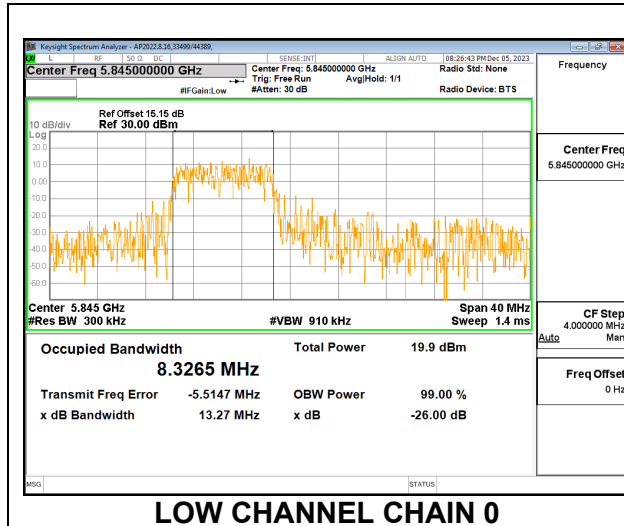
HIGH CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 106T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	8.3265	8.3353
Mid	5865	8.5183	8.3627
High	5885	8.3365	8.3315

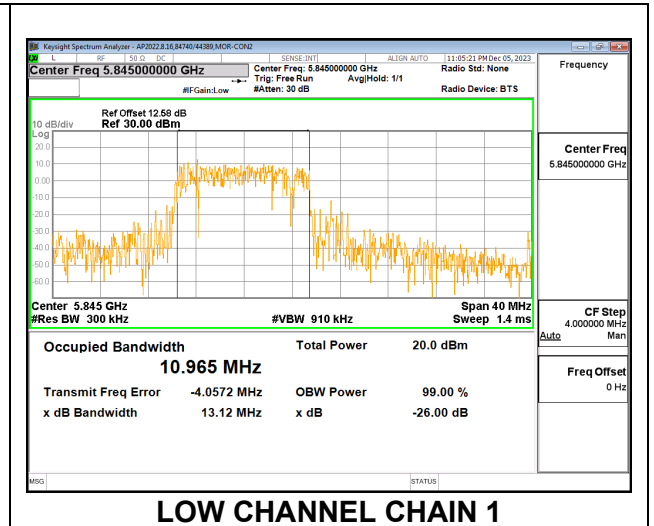
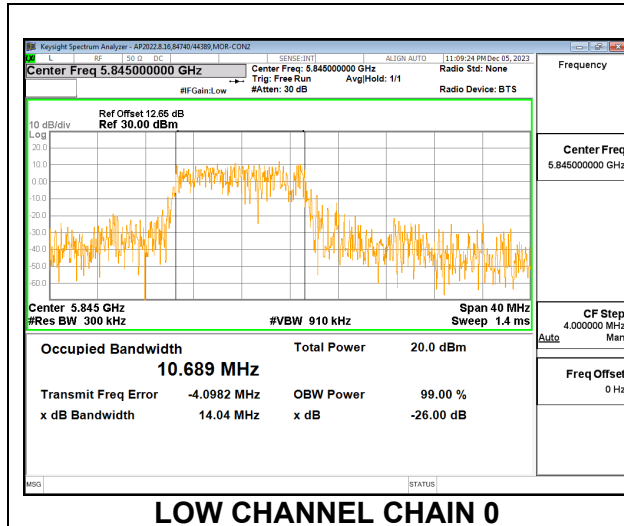
LOW CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 106T+26T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	10.6890	10.9650
Mid	5865	10.9420	10.9000
High	5885	10.9430	10.9640

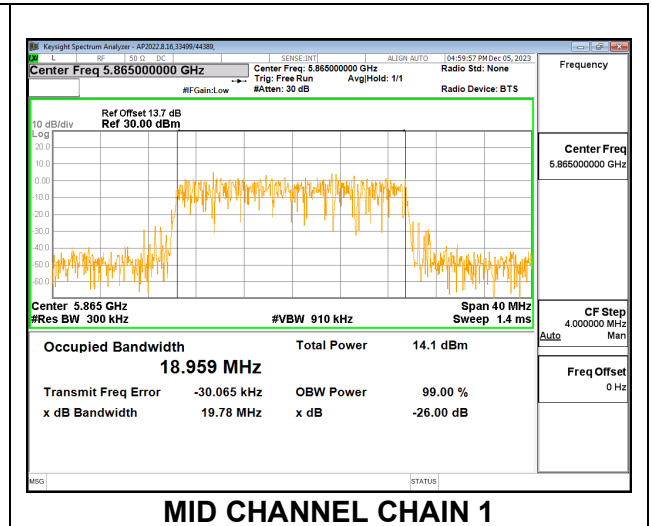
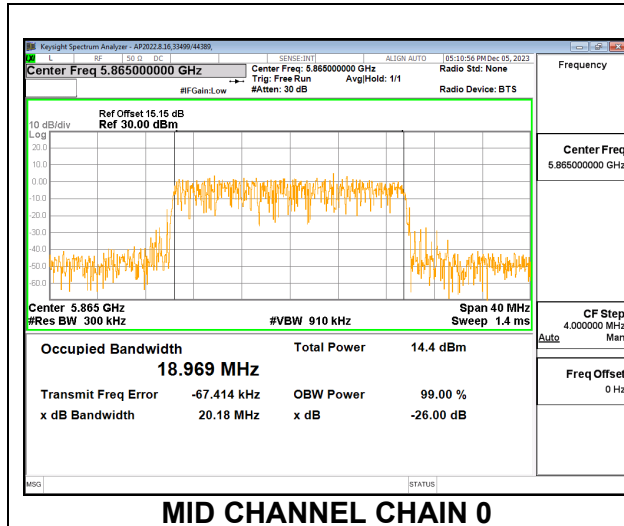
LOW CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5845	19.0740	19.0190
Mid	5865	18.9690	18.9590
High	5885	18.9810	19.0060

MID CHANNEL

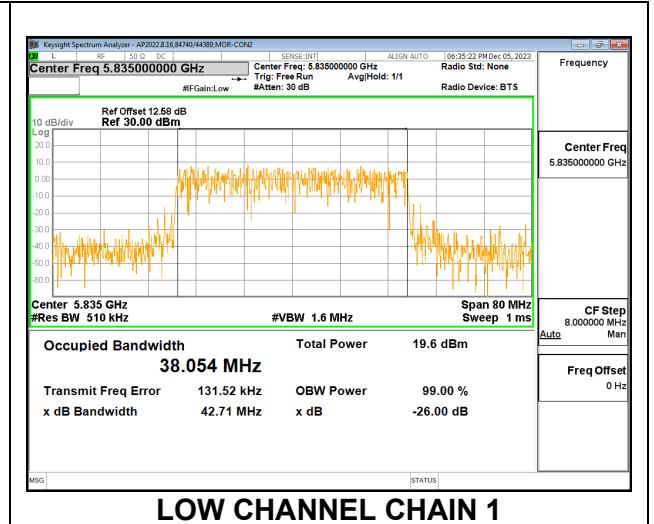
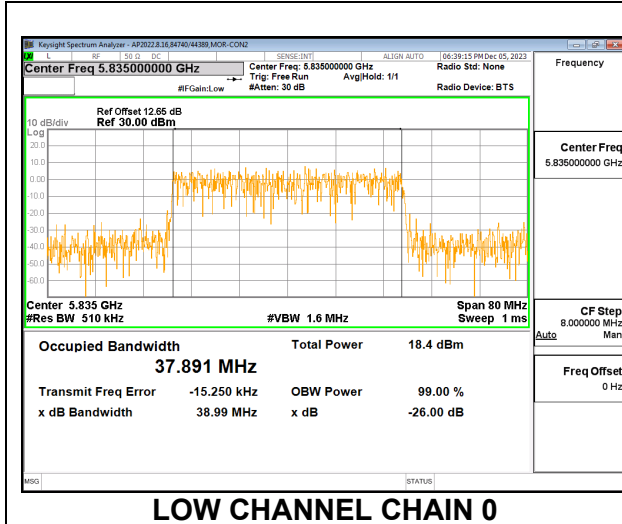


10.4.45. 802.11be EHT40 MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Low	5835	37.8910	38.0540
High	5875	38.2950	38.2020

LOW CHANNEL

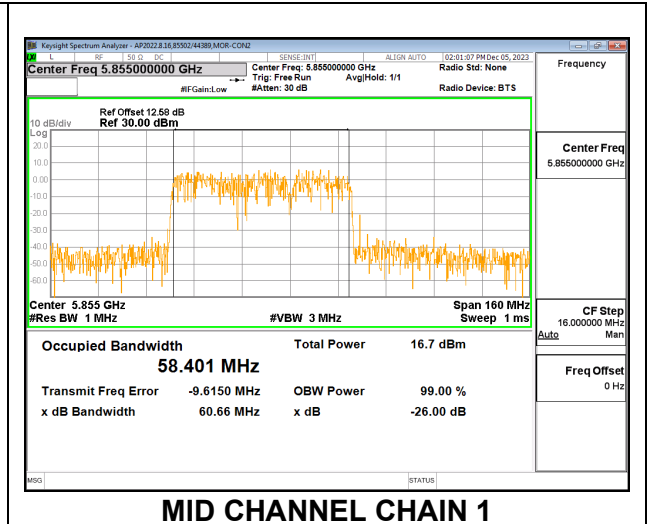
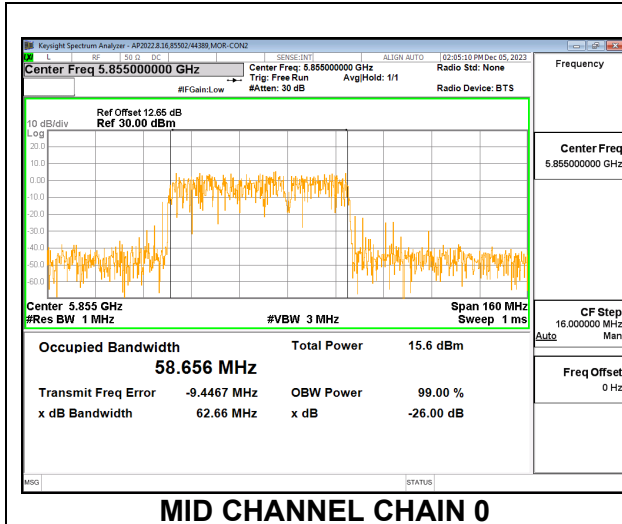


10.4.46. 802.11be EHT80 MODE IN THE 5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 484T+242T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5855	58.6560	58.4010

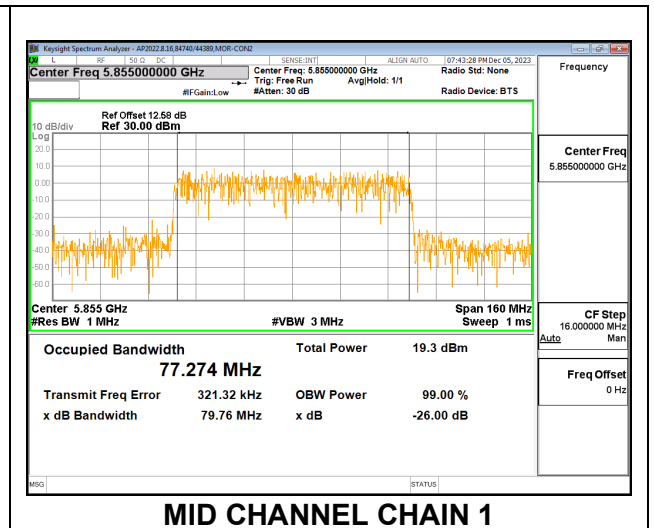
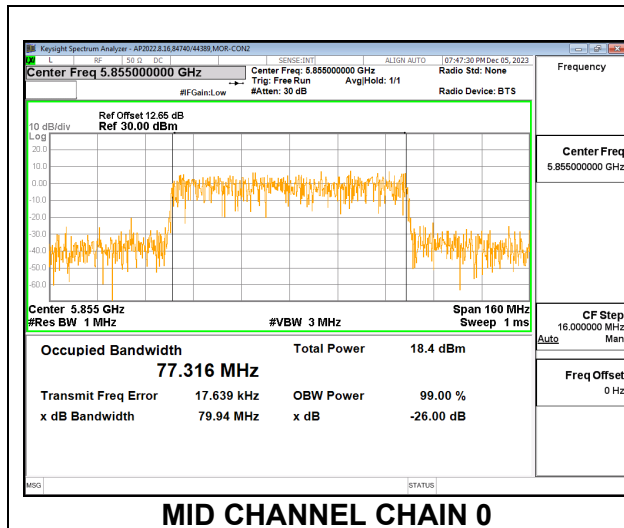
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 996T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5855	77.3160	77.2740

MID CHANNEL

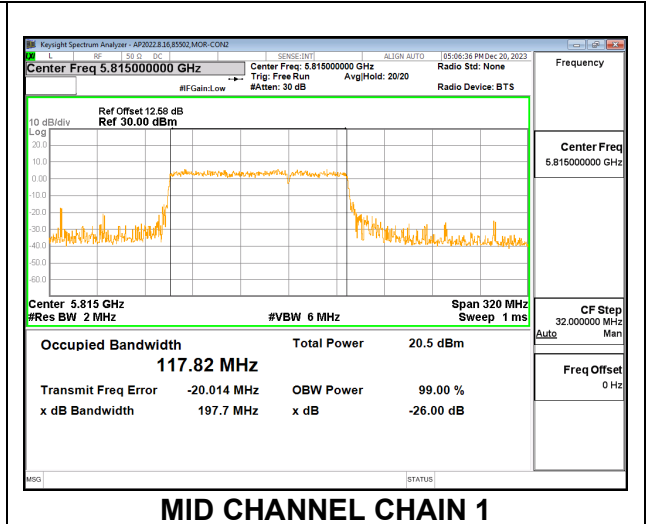
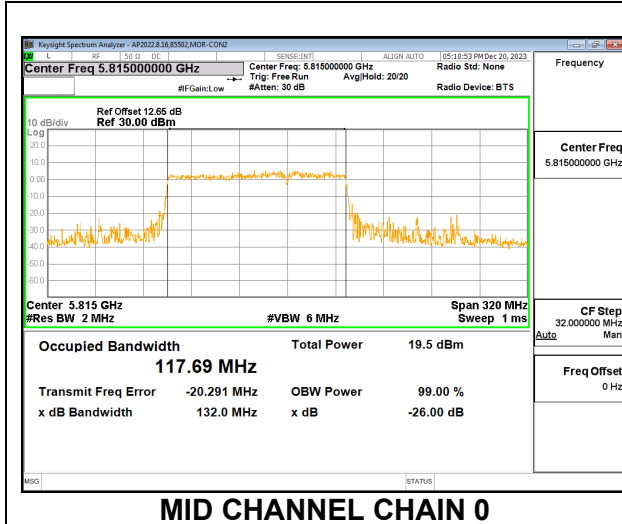


10.4.47. 802.11be EHT160 MODE IN THE 5.8/5.9 GHz BAND

2TX CHAIN 0 + CHAIN 1 CDD MODE – 996T+484T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5815	117.6900	117.8200

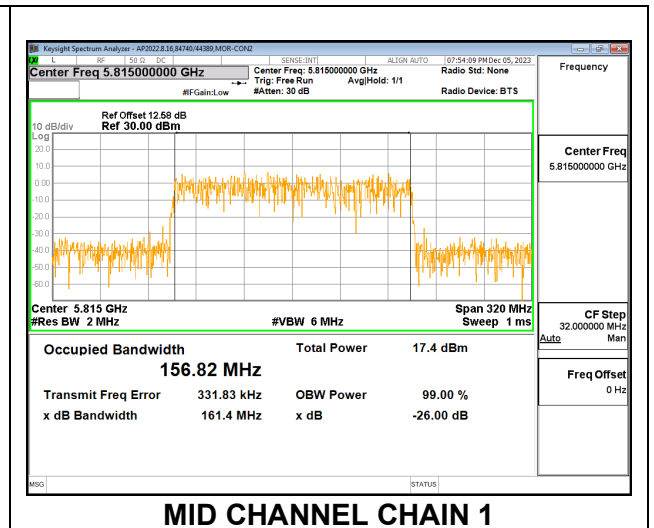
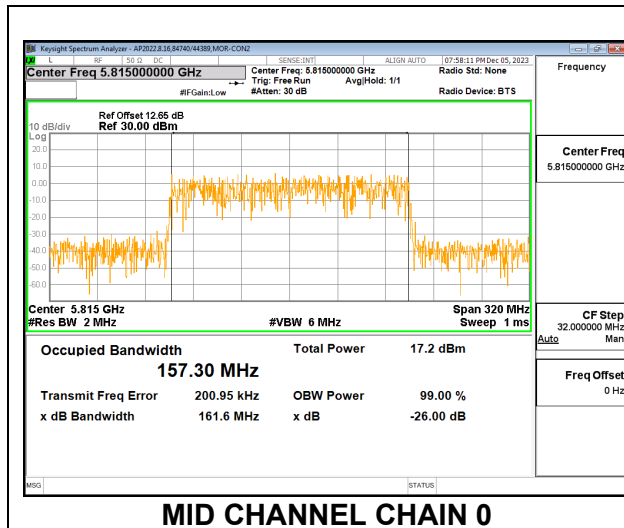
MID CHANNEL



2TX CHAIN 0 + CHAIN 1 CDD MODE – 2*996T

Channel	Frequency (MHz)	99% Bandwidth CHAIN 0 (MHz)	99% Bandwidth CHAIN 1 (MHz)
Mid	5815	157.3000	156.8200

MID CHANNEL



10.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(1)(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

(2) The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

(3) (i) The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

Band 5.850–5.895 GHz:

(3)(iii) For client devices operating under the control of an indoor access point in the 5.850–5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725–5.850 GHz and 5.850–5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

RSS-247

Band 5.15-5.25 GHz

The maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.25-5.35 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

Band 5.850-5.895 GHz

For indoor client devices, the maximum e.i.r.p. shall not exceed 1 W (30 dBm). The maximum e.i.r.p. spectral density shall not exceed 14 dBm/MHz.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband average power sensor. Gated average output power was read directly from power meter. EUT was connected to spectrum analyzer for PSD measurements.

DIRECTIONAL ANTENNA GAIN

2 TX DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	8.11	5.35	5.78	8.51
5.3	8.11	6.07	5.82	8.83
5.6	7.21	5.36	5.70	8.52
5.8	6.00	5.35	4.15	6.87
5.9	6.00	5.35	3.83	6.84

Directional gains for MIMO operations were declared by the manufacturer.

RESULTS

10.5.1. 802.11a MODE IN THE 5.2 GHz BAND

Note: The IC power and FCC/IC PSD data leveraged from R14932101-E7a

2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

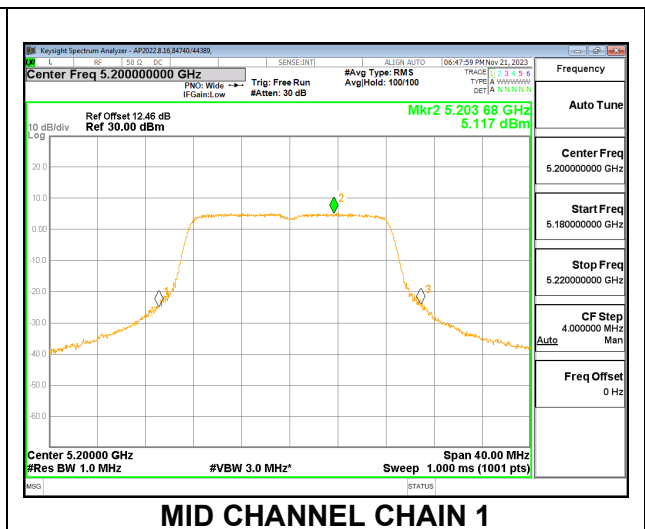
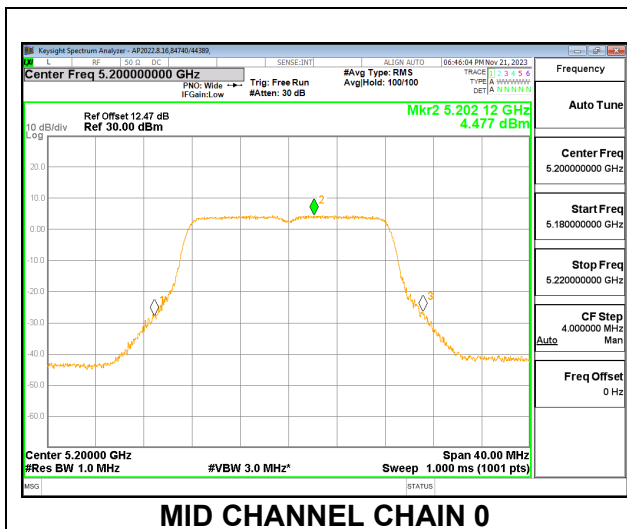
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.01	16.22	19.13	24.00	-4.87
Mid	5200	16.03	16.40	19.23	24.00	-4.77
High	5240	15.44	15.98	18.73	24.00	-5.27

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.42	4.68	7.56	8.49	-0.93
Mid	5200	4.48	5.12	7.82	8.49	-0.67
High	5240	4.17	4.84	7.53	8.49	-0.96



2TX Chain 0 + Chain 1 CDD MODE (IC)

Test Engineer:	84740/44389
Test Date:	2023/11/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	16.5880	5.78	8.51	22.20	16.42	10.00	1.49
Mid	5200	16.5890	5.78	8.51	22.20	16.42	10.00	1.49
High	5240	16.5860	5.78	8.51	22.20	16.42	10.00	1.49

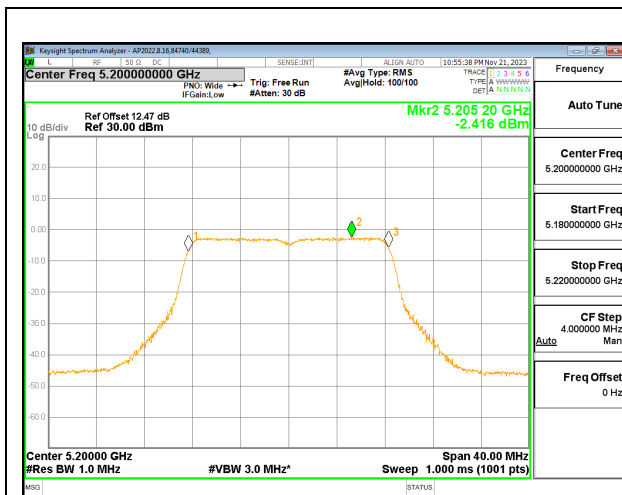
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

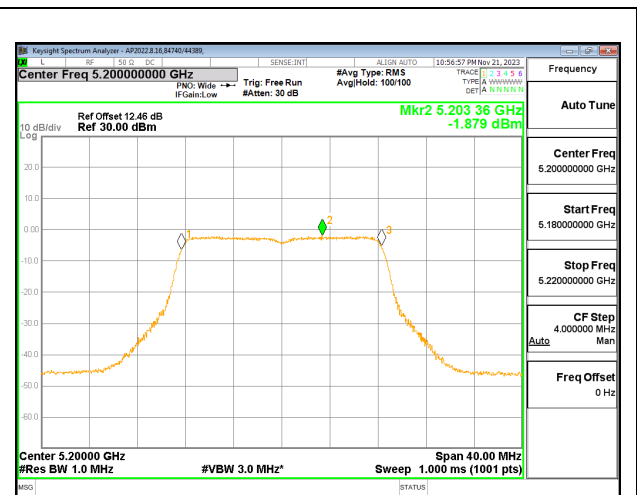
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	9.09	9.40	12.26	16.42	-4.16
Mid	5200	9.03	9.61	12.34	16.42	-4.08
High	5240	8.49	8.68	11.60	16.42	-4.82

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-2.36	-2.24	0.71	1.49	-0.78
Mid	5200	-2.42	-1.88	0.87	1.49	-0.62
High	5240	-2.78	-2.26	0.50	1.49	-0.99



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

10.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

Note: The IC power and FCC/IC PSD data leveraged from R14932101-E7a

2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

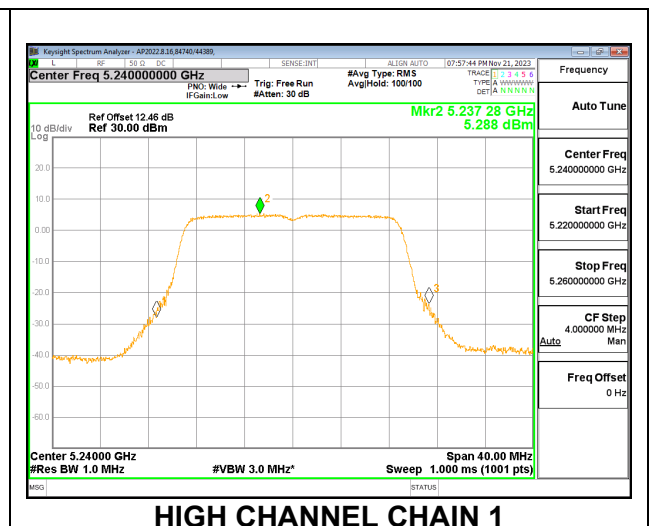
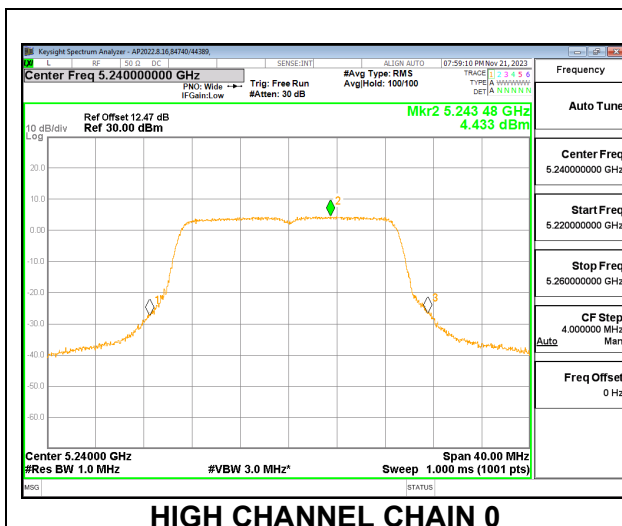
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.00	15.82	18.92	24.00	-5.08
Mid	5200	16.14	16.02	19.09	24.00	-4.91
High	5240	16.22	16.25	19.25	24.00	-4.75

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.64	5.06	7.86	8.49	-0.63
Mid	5200	4.56	4.80	7.69	8.49	-0.80
High	5240	4.43	5.29	7.89	8.49	-0.60



2TX Chain 0 + Chain 1 CDD MODE (IC)

Test Engineer:	84740/44389
Test Date:	2023/11/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	17.7400	5.78	8.51	22.49	16.71	10.00	1.49
Mid	5200	17.7440	5.78	8.51	22.49	16.71	10.00	1.49
High	5240	17.7580	5.78	8.51	22.49	16.71	10.00	1.49

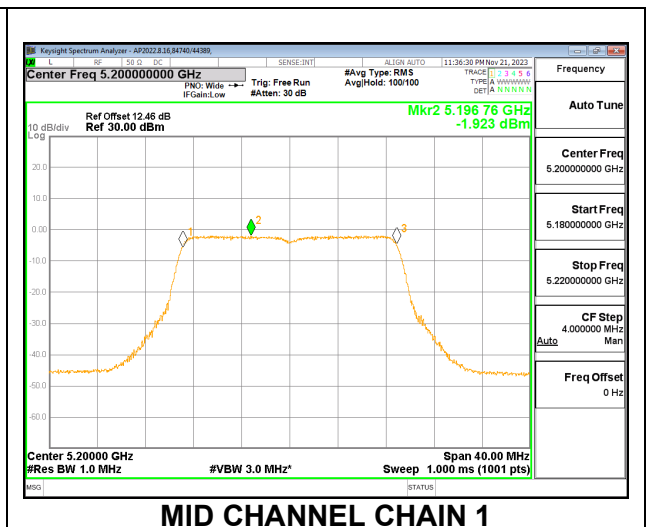
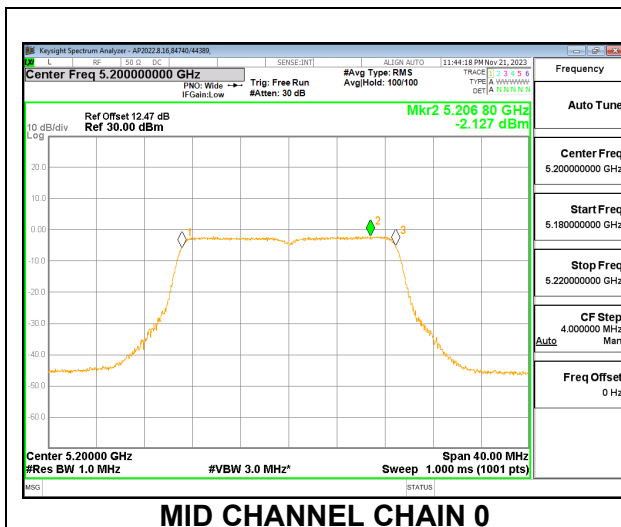
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	9.44	9.92	12.70	16.71	-4.01
Mid	5200	9.57	10.00	12.80	16.71	-3.91
High	5240	8.92	9.70	12.34	16.71	-4.38

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd D (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-2.26	-1.92	0.92	1.49	-0.57
Mid	5200	-2.13	-1.92	0.99	1.49	-0.50
High	5240	-2.47	-1.81	0.88	1.49	-0.61



10.5.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

Note: The IC power and FCC/IC PSD data leveraged from R14932101-E7a

2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/44389, 33499/44389
Test Date:	2023/11/08, 2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	5.78	8.51	24.00	8.49
High	5230	5.78	8.51	24.00	8.49

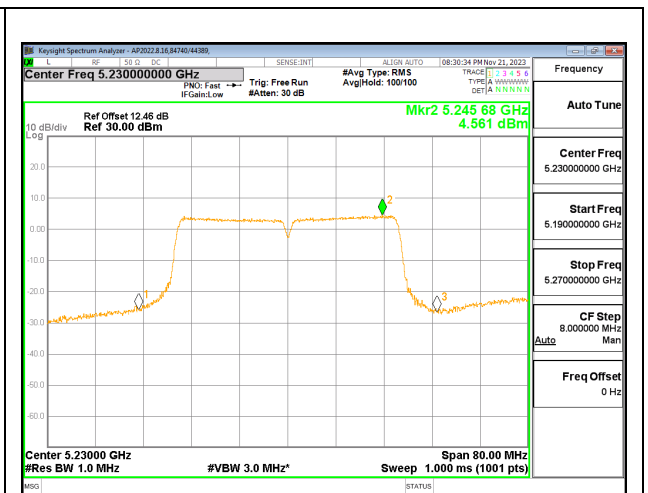
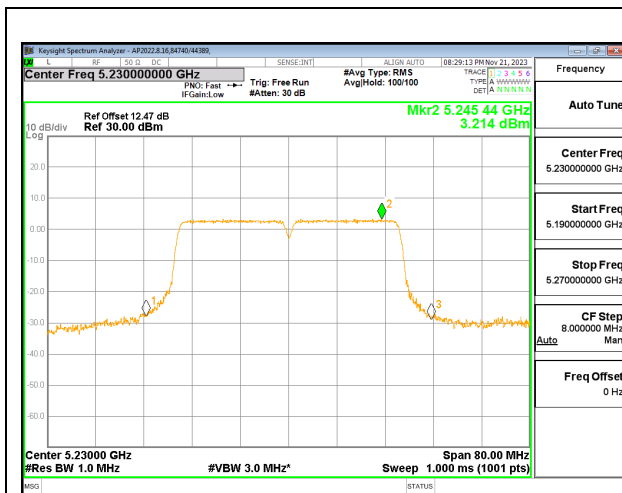
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.52	15.41	18.48	24.00	-5.52
High	5230	15.71	15.66	18.70	24.00	-5.30

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	3.24	3.81	6.54	8.49	-1.95
High	5230	3.21	4.56	6.95	8.49	-1.54



HIGH CHANNEL CHAIN 0	HIGH CHANNEL CHAIN 1
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2TX Chain 0 + Chain 1 CDD MODE (IC)

Test Engineer:	84740/44389
Test Date:	2023/11/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5190	36.3840	5.78	8.51	23.00	17.22	10.00	1.49
High	5230	36.3870	5.78	8.51	23.00	17.22	10.00	1.49

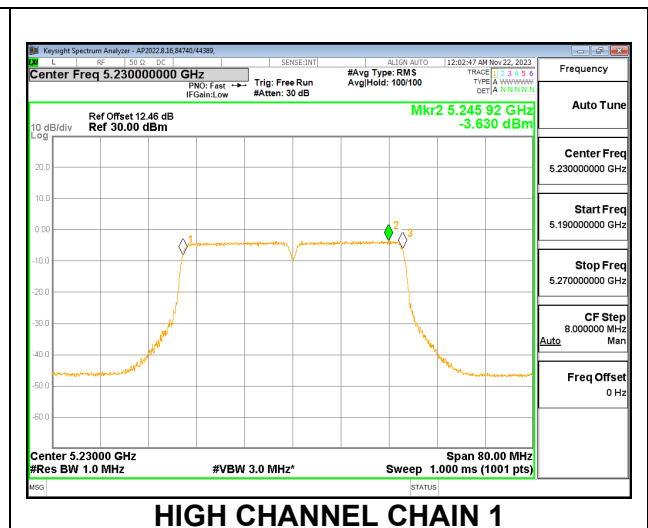
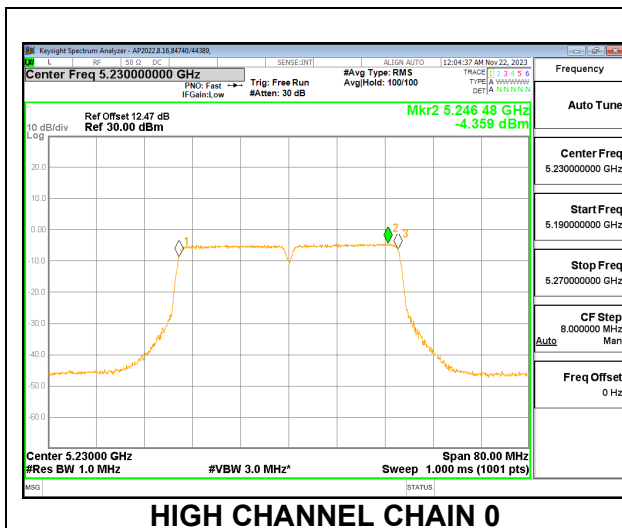
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.39	13.81	16.62	17.22	-0.60
High	5230	13.47	13.97	16.73	17.22	-0.49

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	-5.17	-4.64	-1.89	1.49	-3.38
High	5230	-4.36	-3.63	-0.97	1.49	-2.46



10.5.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

Note: The IC power and FCC/IC PSD data leveraged from R14932101-E7a

2TX Chain 0 + Chain 1 CDD MODE (FCC)

Test Engineer:	84740/44389, 33499/44389
Test Date:	2023/11/07,2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	5.78	8.51	24.00	8.49

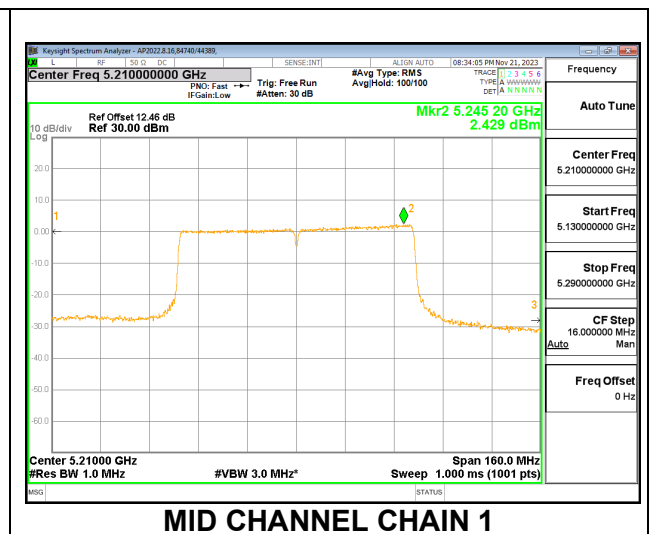
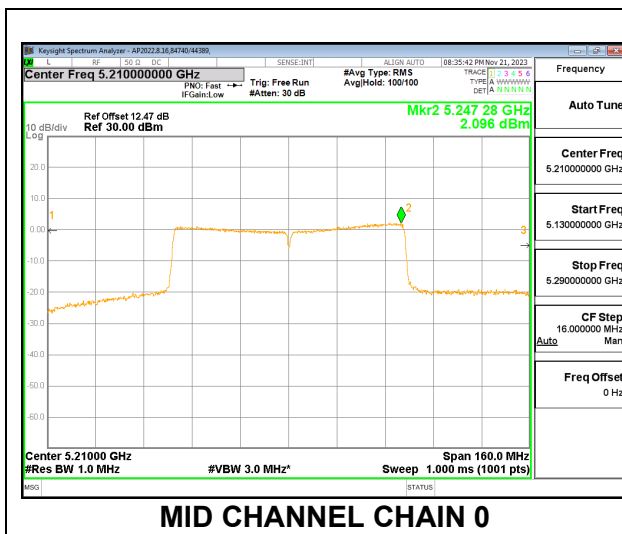
Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.60	12.84	16.25	24.00	-7.75

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.10	2.43	5.39	8.49	-3.10



2TX Chain 0 + Chain 1 CDD MODE (IC)

Note: This power data leveraged from R14932101-E7a

Test Engineer:	84740/44389
Test Date:	2023/11/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Mid	5210	76.3290	5.78	8.51	23.00	17.22	10.00	1.49

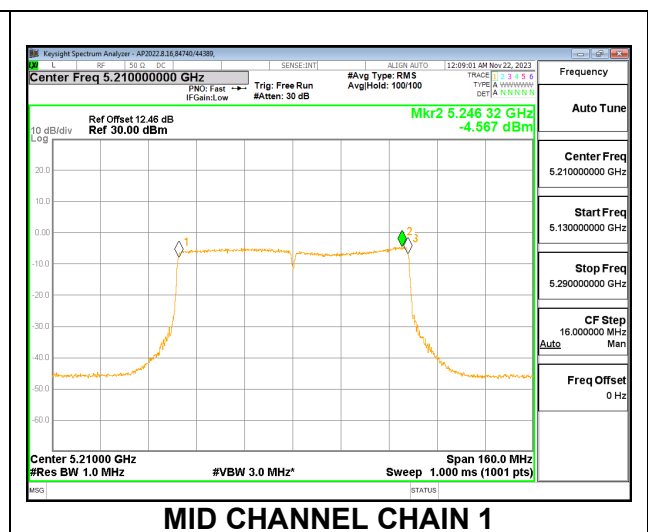
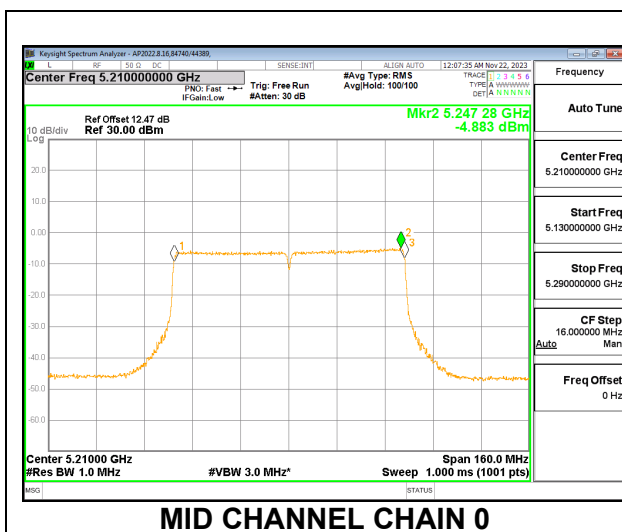
Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.32	11.96	15.15	17.22	-2.07

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	-4.88	-4.57	-1.60	1.49	-3.09



10.5.5. 802.11be EHT20 MODE IN THE 5.2 GHz BAND

Note: The IC power and FCC/IC PSD data leveraged from R14932101-E7a

2TX Chain 0 + Chain 1 CDD MODE (FCC): 26T

Test Engineer:	85502/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

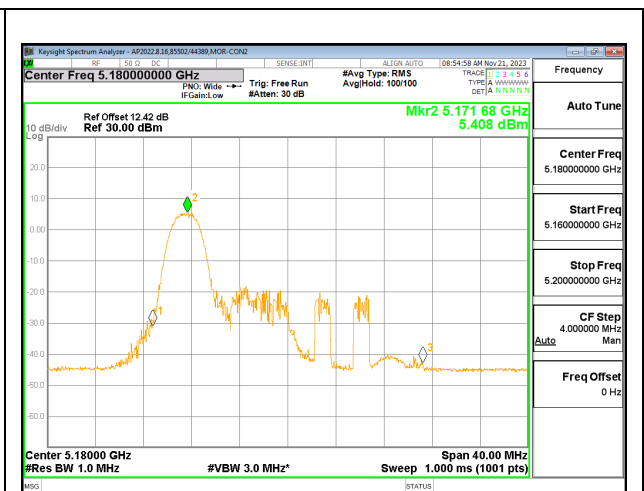
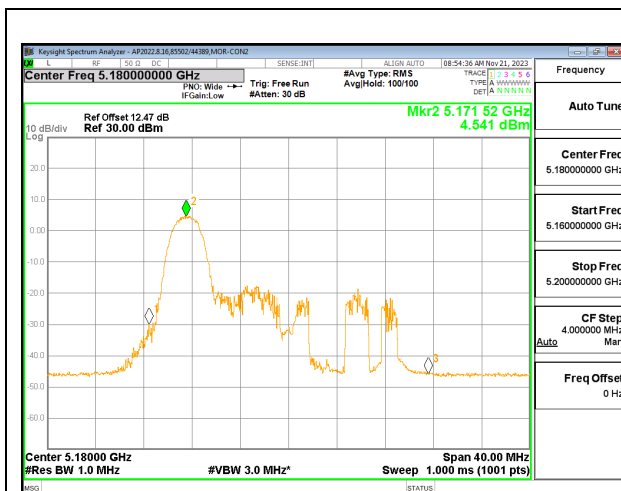
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	7.74	7.47	10.62	24.00	-13.38
Mid	5200	6.70	7.13	9.93	24.00	-14.07
High	5240	6.79	7.38	10.11	24.00	-13.89

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.54	5.41	8.01	8.49	-0.48
Mid	5200	4.09	5.15	7.66	8.49	-0.83
High	5240	4.20	4.82	7.53	8.49	-0.96



LOW CHANNEL CHAIN 0	LOW CHANNEL CHAIN 1
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2TX Chain 0 + Chain 1 CDD MODE (IC): 26T

Test Engineer:	85502/44389
Test Date:	2023/11/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	2.2512	5.78	8.51	13.52	7.74	10.00	1.49
Mid	5200	2.2191	5.78	8.51	13.46	7.68	10.00	1.49
High	5240	2.2246	5.78	8.51	13.47	7.69	10.00	1.49

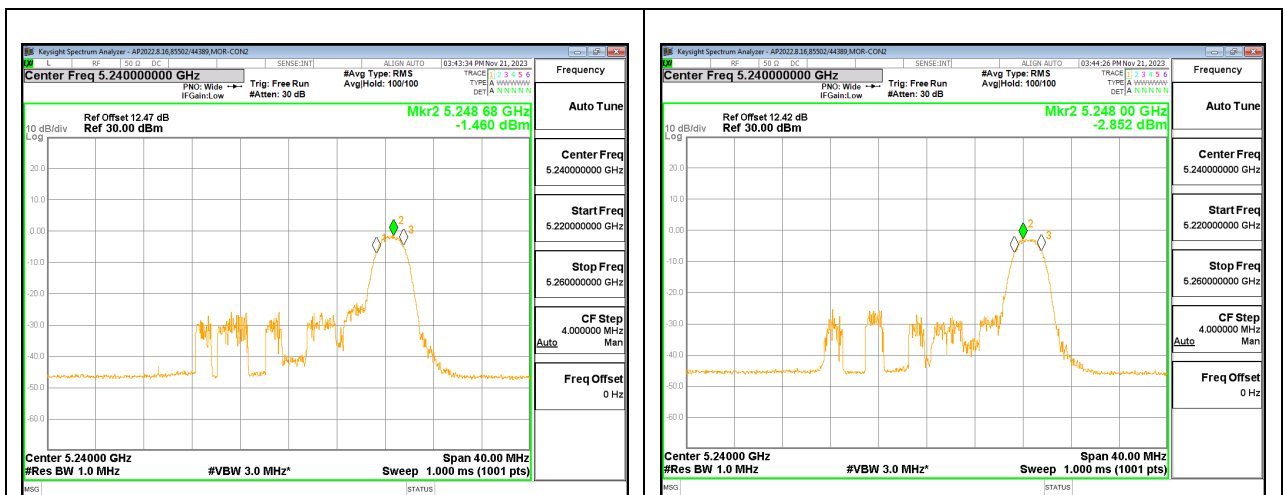
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	0.06	0.21	3.15	7.74	-4.60
Mid	5200	0.30	0.25	3.29	7.68	-4.40
High	5240	1.23	0.03	3.68	7.69	-4.01

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd D (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-3.06	-1.94	0.55	1.49	-0.94
Mid	5200	-2.38	-2.16	0.74	1.49	-0.75
High	5240	-1.46	-2.85	0.91	1.49	-0.58



HIGH CHANNEL CHAIN 0	HIGH CHANNEL CHAIN 1
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2TX Chain 0 + Chain 1 CDD MODE (FCC): 52T

Test Engineer:	85502/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

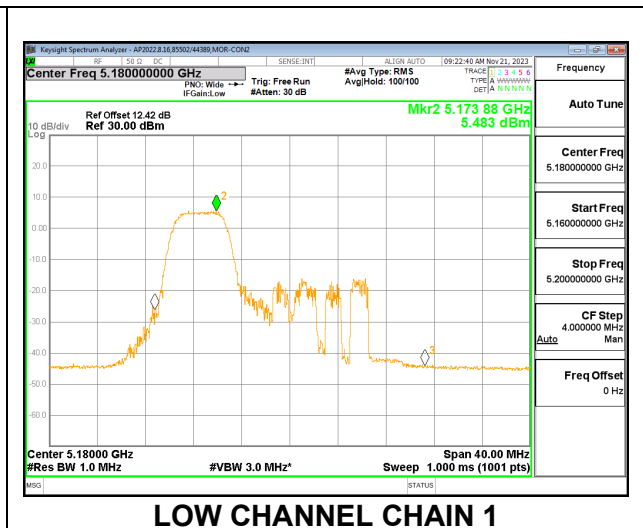
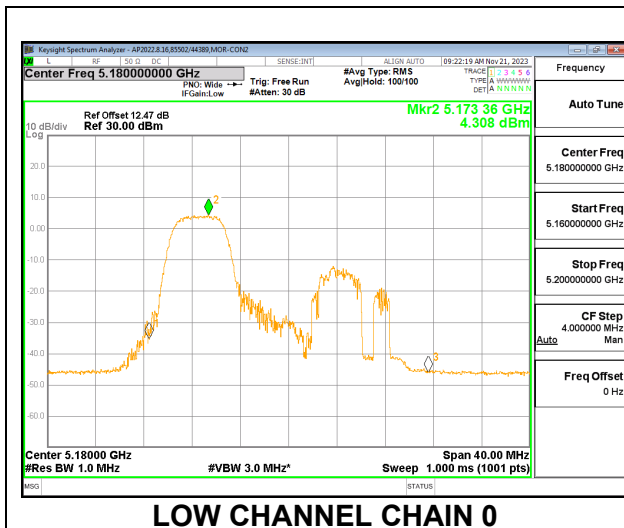
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.24	10.70	13.49	24.00	-10.51
Mid	5200	9.63	10.36	13.02	24.00	-10.98
High	5240	9.76	10.54	13.18	24.00	-10.82

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.31	5.48	7.95	8.49	-0.54
Mid	5200	3.85	5.63	7.84	8.49	-0.65
High	5240	4.27	4.98	7.65	8.49	-0.84



2TX Chain 0 + Chain 1 CDD MODE (IC): 52T

Test Engineer:	84740/44389, 33499/44389
Test Date:	2023/11/22

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	4.1844	5.78	8.51	16.22	10.44	10.00	1.49
Mid	5200	4.2145	5.78	8.51	16.25	10.47	10.00	1.49
High	5240	4.1559	5.78	8.51	16.19	10.41	10.00	1.49

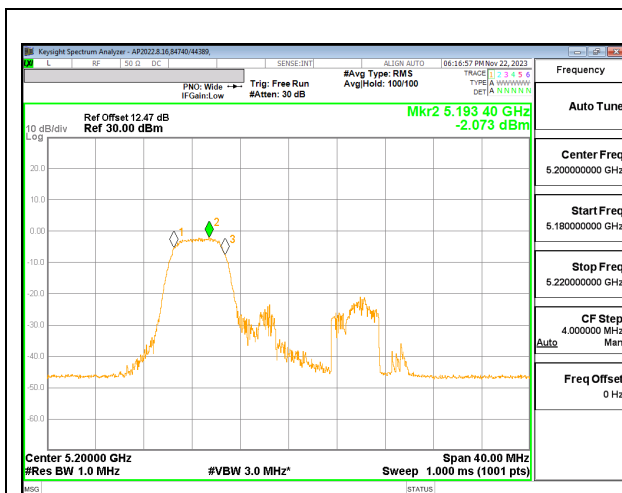
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

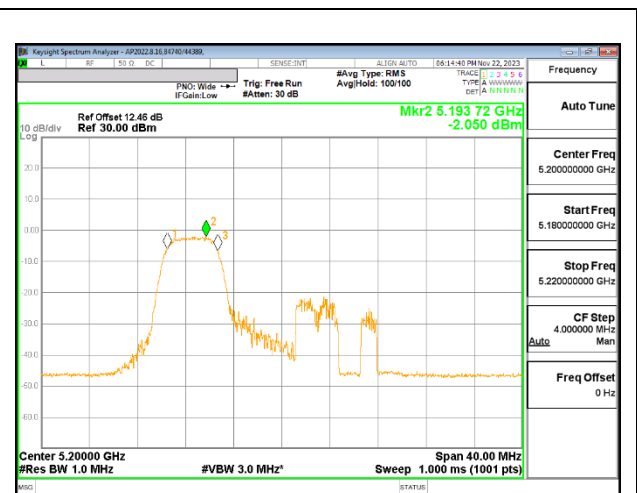
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	3.39	3.78	6.60	10.44	-3.84
Mid	5200	3.42	3.93	6.69	10.47	-3.77
High	5240	2.94	3.40	6.19	10.41	-4.22

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-2.41	-2.36	0.62	1.49	-0.87
Mid	5200	-2.07	-2.05	0.95	1.49	-0.54
High	5240	-2.45	-1.93	0.83	1.49	-0.66



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

2TX Chain 0 + Chain 1 CDD MODE (FCC): 52T+26T

Test Engineer:	85502/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

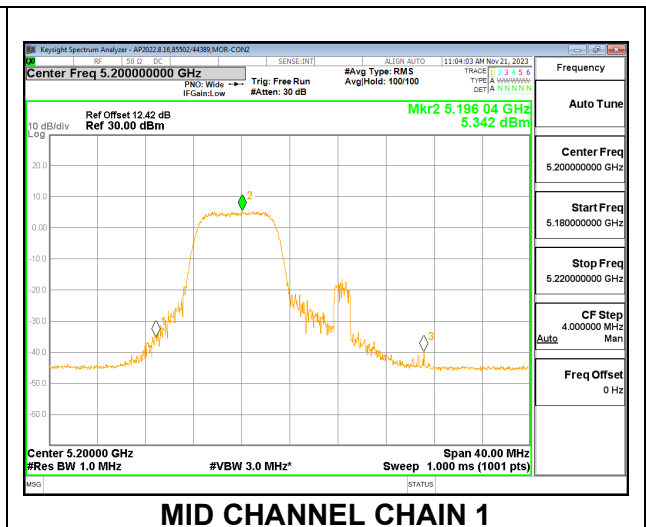
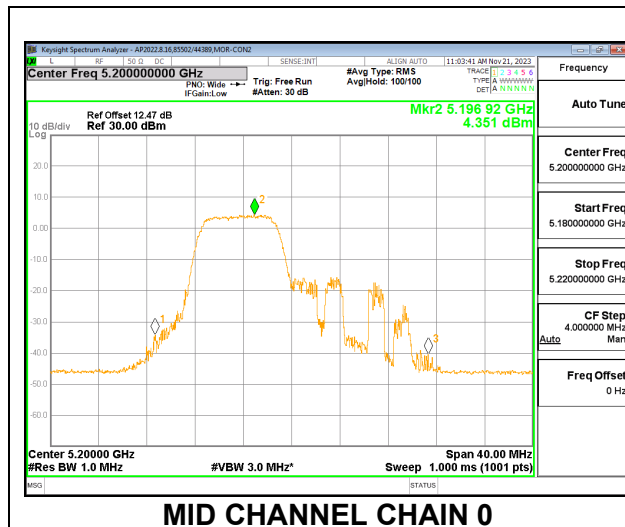
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.01	10.87	13.95	24.00	-10.05
Mid	5200	10.55	10.50	13.54	24.00	-10.46
High	5240	10.72	10.64	13.69	24.00	-10.31

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.34	5.11	7.75	8.49	-0.74
Mid	5200	4.35	5.34	7.89	8.49	-0.60
High	5240	4.52	4.89	7.72	8.49	-0.77



2TX Chain 0 + Chain 1 CDD MODE (IC): 52T+26T

Test Engineer:	84740/44389, 33499/44389
Test Date:	2023/11/22

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	6.3955	5.78	8.51	18.06	12.28	10.00	1.49
Mid	5200	6.5938	5.78	8.51	18.19	12.41	10.00	1.49
High	5240	6.4274	5.78	8.51	18.08	12.30	10.00	1.49

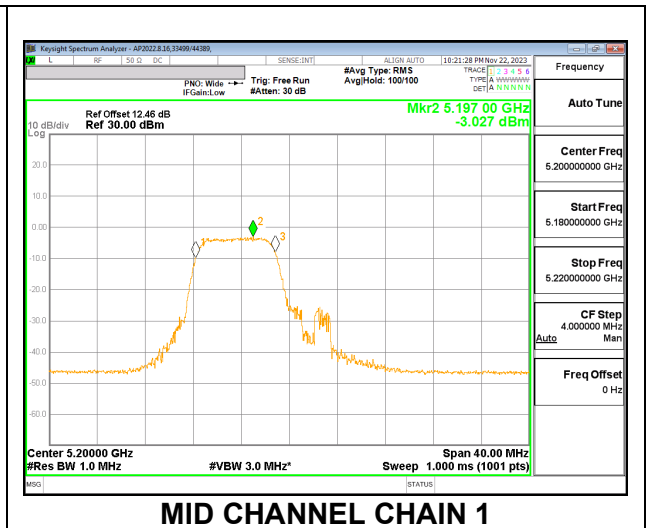
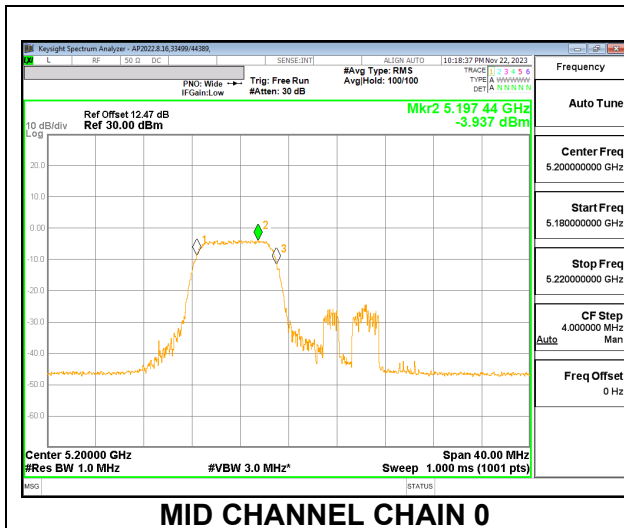
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	3.73	4.21	6.99	12.28	-5.29
Mid	5200	3.72	4.23	6.99	12.41	-5.42
High	5240	2.67	3.32	6.02	12.30	-6.28

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd D (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-3.58	-3.53	-0.55	1.49	-2.04
Mid	5200	-3.94	-3.03	-0.45	1.49	-1.94
High	5240	-3.79	-3.37	-0.57	1.49	-2.06



2TX Chain 0 + Chain 1 CDD MODE (FCC): 106T

Test Engineer:	85502/44389
Test Date:	2023/11/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.78	8.51	24.00	8.49
Mid	5200	5.78	8.51	24.00	8.49
High	5240	5.78	8.51	24.00	8.49

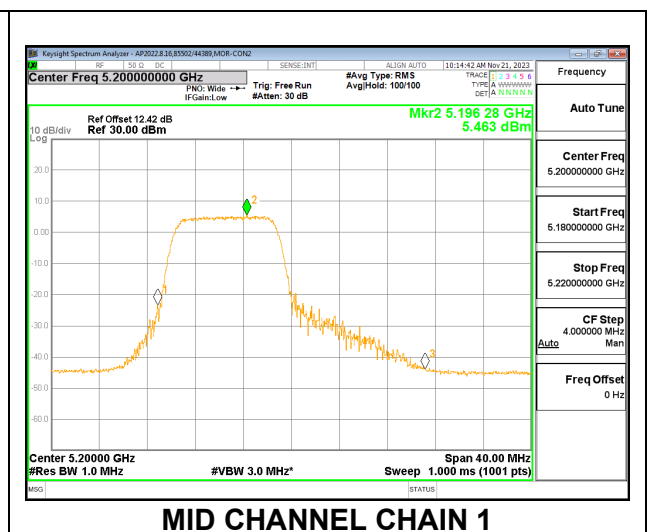
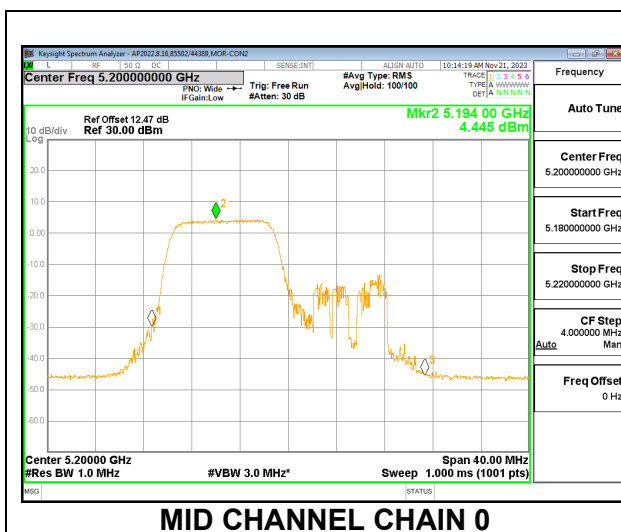
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	13.18	13.18	16.19	24.00	-7.81
Mid	5200	13.22	13.21	16.23	24.00	-7.77
High	5240	13.29	13.55	16.43	24.00	-7.57

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.48	5.14	7.83	8.49	-0.66
Mid	5200	4.45	5.46	7.99	8.49	-0.50
High	5240	5.48	4.40	7.98	8.49	-0.51



2TX Chain 0 + Chain 1 CDD MODE (IC): 106T

Test Engineer:	84740/44389, 33499/44389
Test Date:	2023/11/22

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	8.3320	5.78	8.51	19.21	13.43	10.00	1.49
Mid	5200	8.3346	5.78	8.51	19.21	13.43	10.00	1.49
High	5240	8.2193	5.78	8.51	19.15	13.37	10.00	1.49

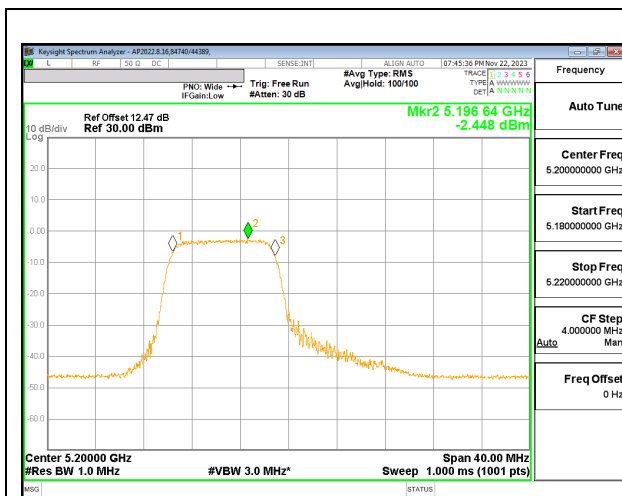
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

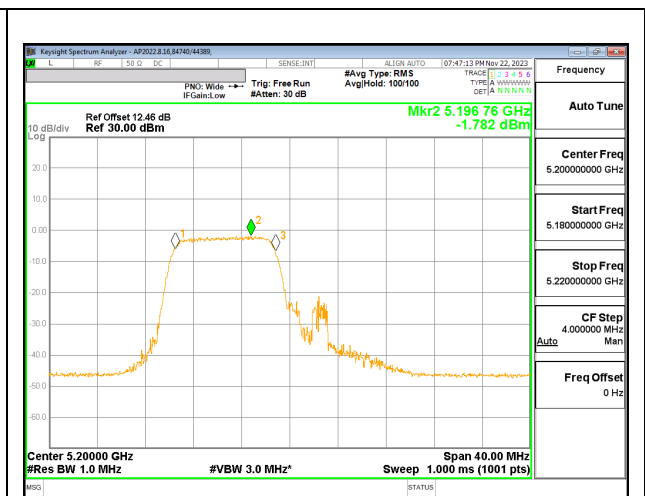
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	6.12	6.31	9.23	13.43	-4.20
Mid	5200	6.07	6.70	9.41	13.43	-4.02
High	5240	5.60	6.20	8.92	13.37	-4.45

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd D (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-2.50	-2.16	0.68	1.49	-0.81
Mid	5200	-2.45	-1.78	0.91	1.49	-0.58
High	5240	-2.64	-2.00	0.70	1.49	-0.79



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1