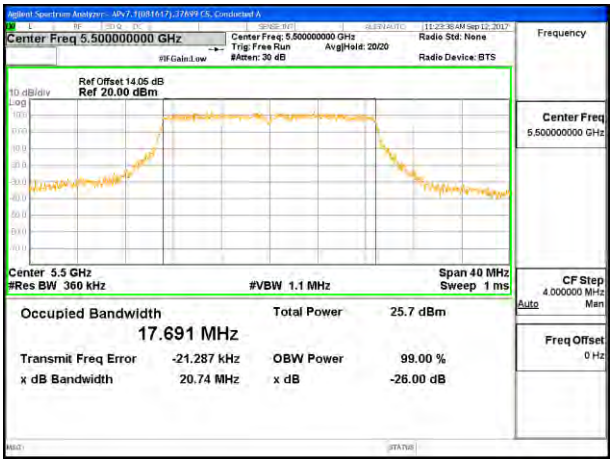
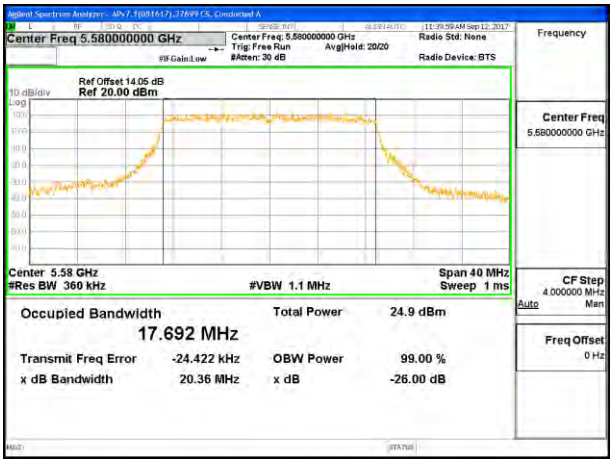
1TX Chain 1

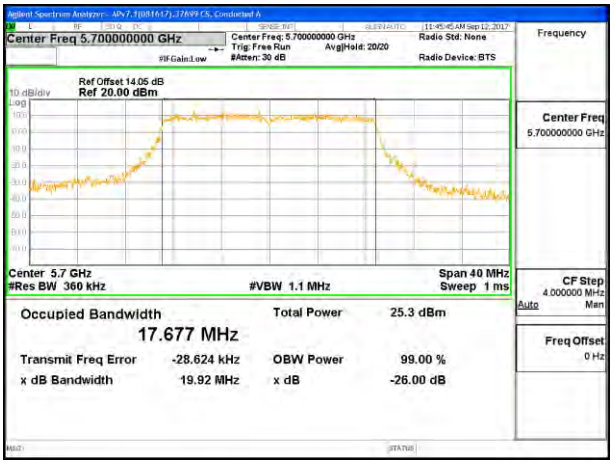
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5500	17.6910
Mid	5580	17.6920
High	5700	17.6770
144	5720	17.6800



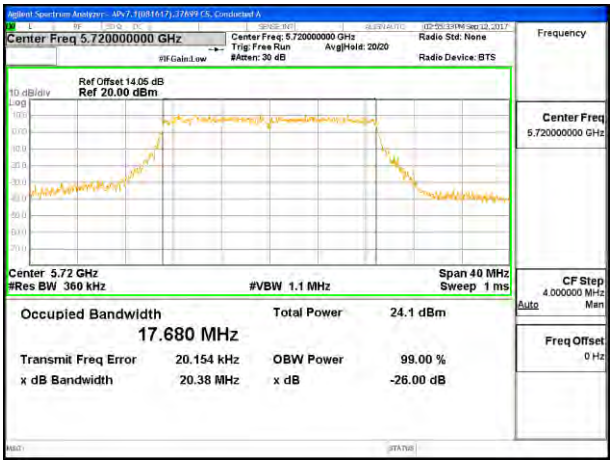
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

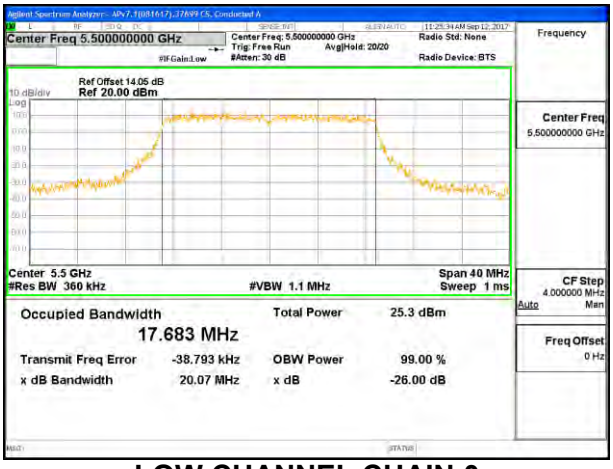


CHANNEL 144

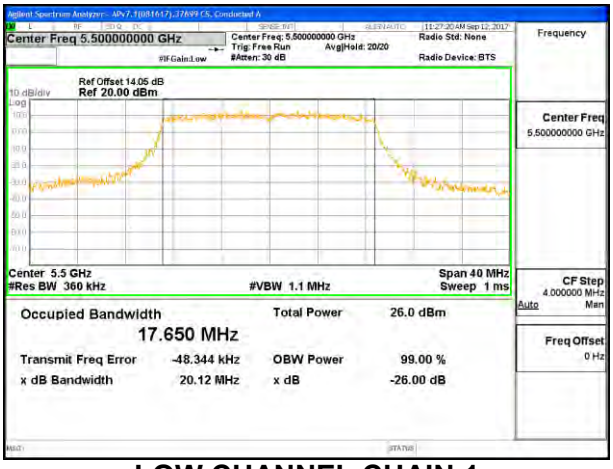
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5500	17.6830	17.6500
Mid	5580	17.6730	17.7100
High	5700	17.6800	17.5920
144	5720	17.6800	17.7710

LOW CHANNEL

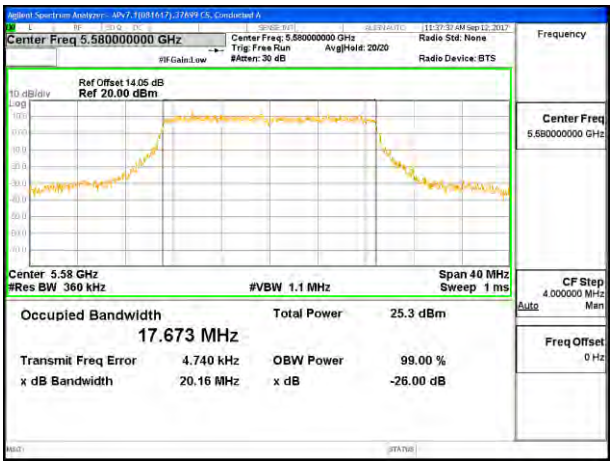


LOW CHANNEL CHAIN 0

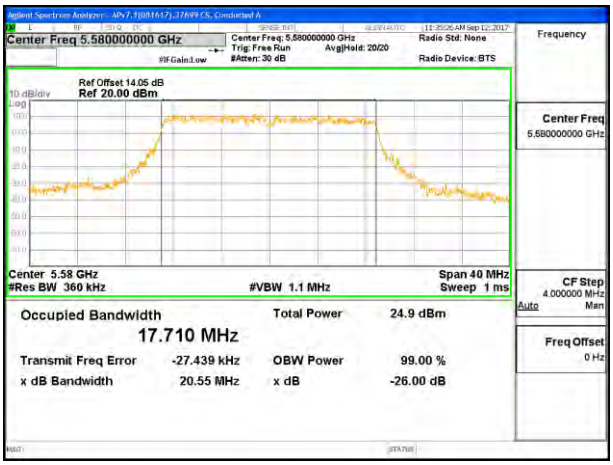


LOW CHANNEL CHAIN 1

MID CHANNEL



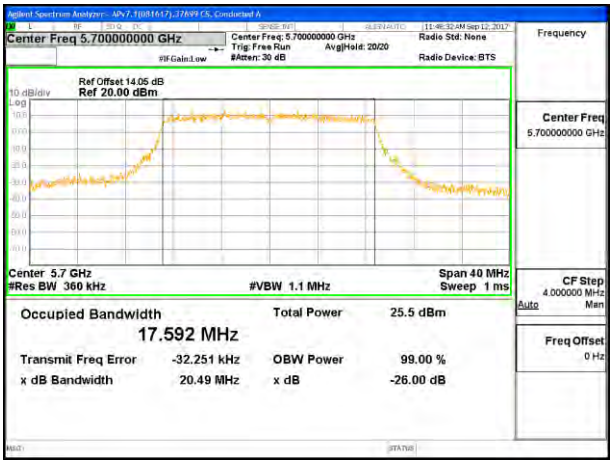
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

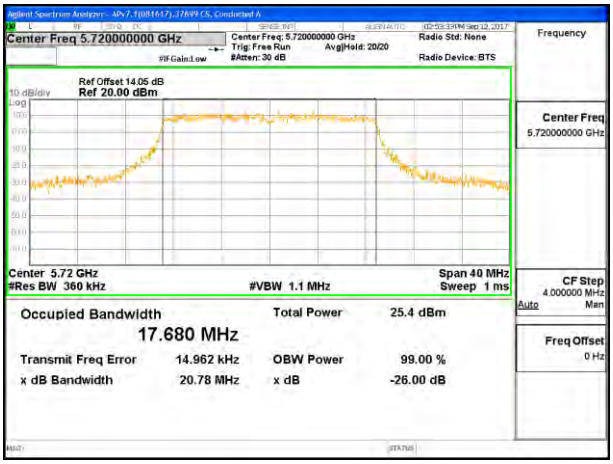
HIGH CHANNEL

HIGH CHANNEL CHAIN 0

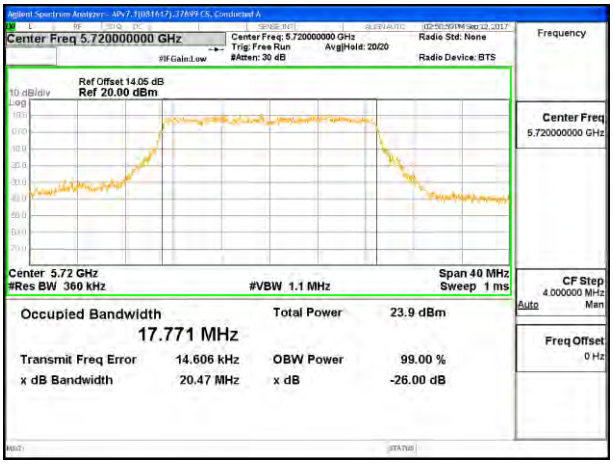


HIGH CHANNEL CHAIN 1

CHANNEL 144



CHANNEL 144 CHAIN 0

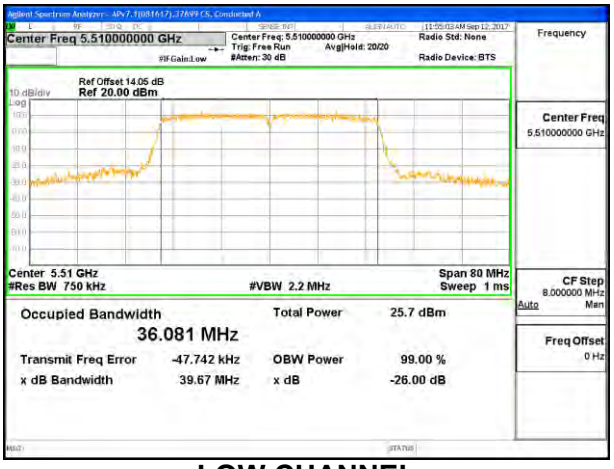


CHANNEL 144 CHAIN 1

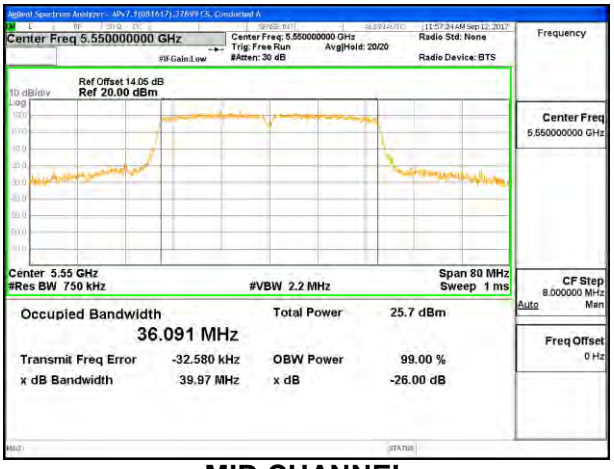
8.3.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Chain 0

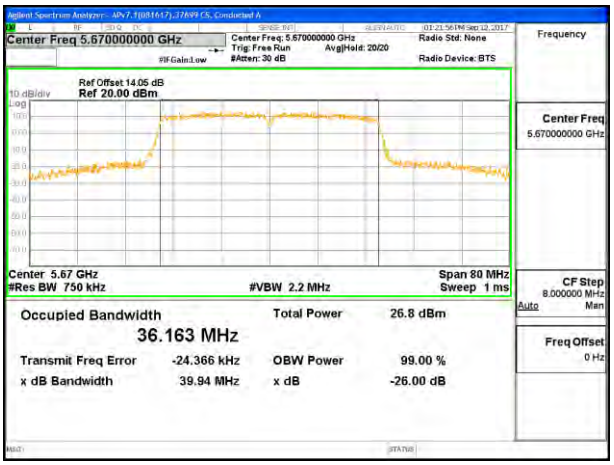
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	36.0810
Mid	5550	36.0910
High	5670	36.1630
142	5710	35.9890



LOW CHANNEL



MID CHANNEL

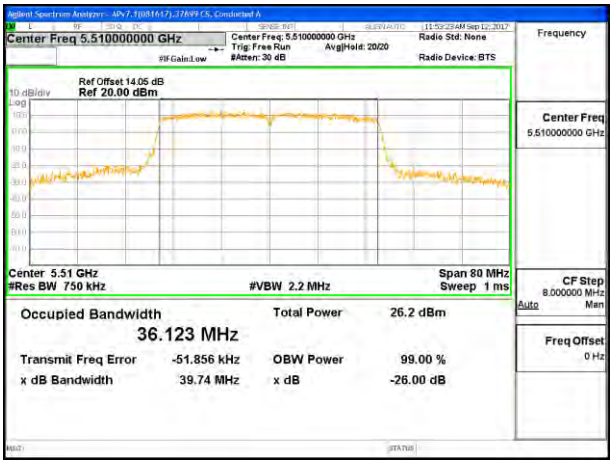


HIGH CHANNEL

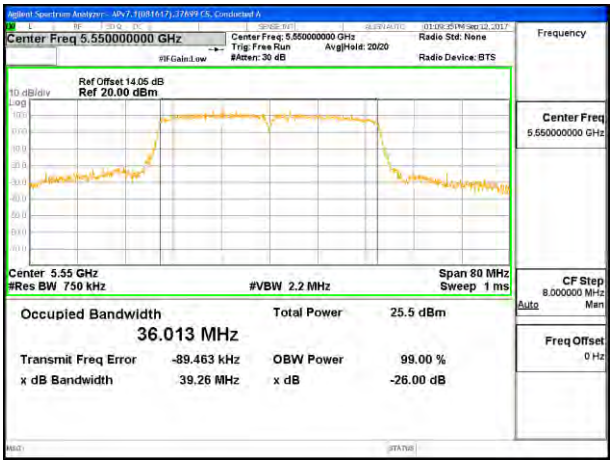
CHANNEL 142

1TX Chain 1

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	36.1230
Mid	5550	36.0130
High	5670	36.0750
142	5710	36.1010

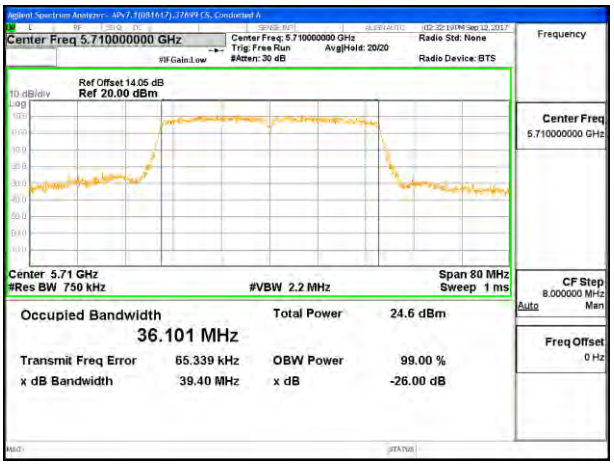


LOW CHANNEL



MID CHANNEL

HIGH CHANNEL

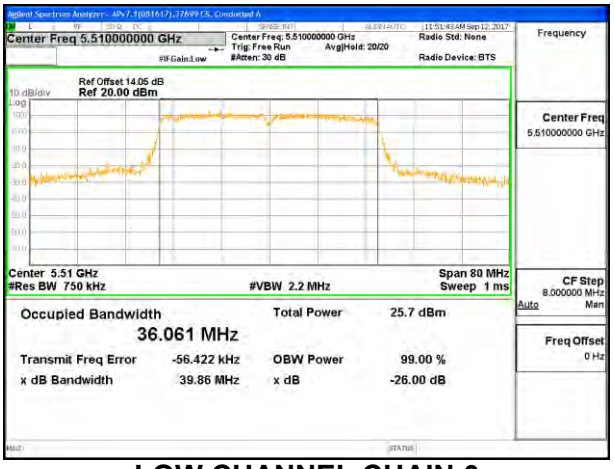


CHANNEL 142

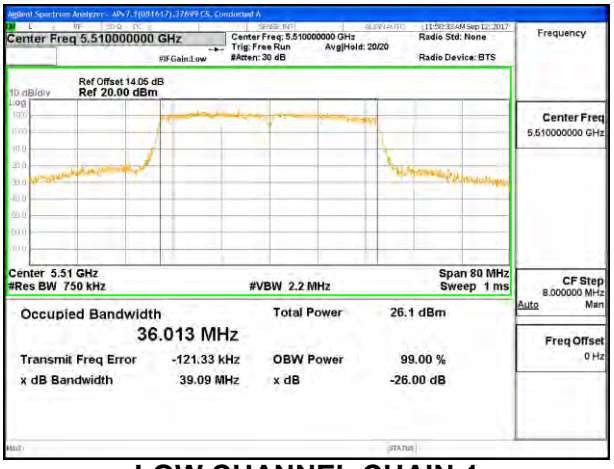
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5510	36.0610	36.0130
Mid	5550	36.1260	36.0480
High	5670	36.1770	36.1790
142	5710	36.0340	35.9340

LOW CHANNEL



LOW CHANNEL CHAIN 0



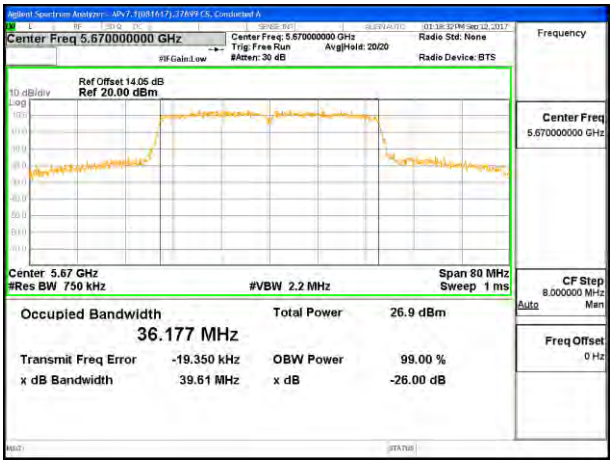
LOW CHANNEL CHAIN 1

MID CHANNEL

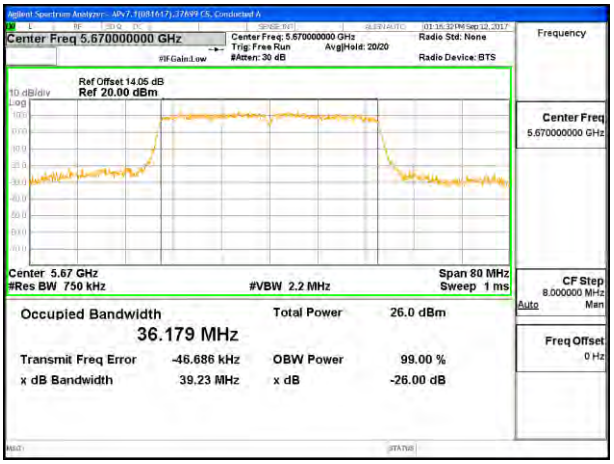
MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL

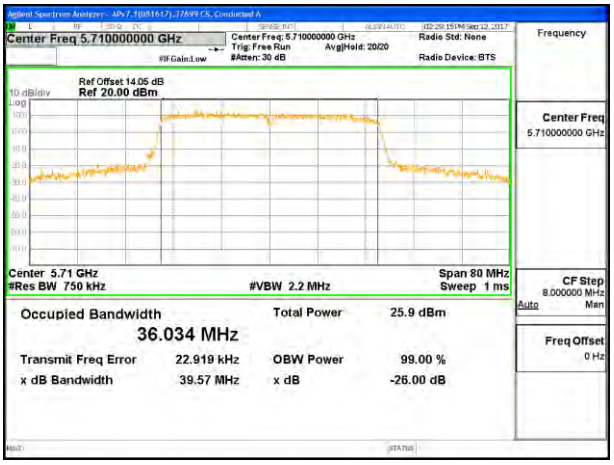


HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

CHANNEL 142



CHANNEL 142 CHAIN 0

CHANNEL 142 CHAIN 1

8.3.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5530	76.1770
High	5610	76.3510
138	5690	76.1180

LOW CHANNEL

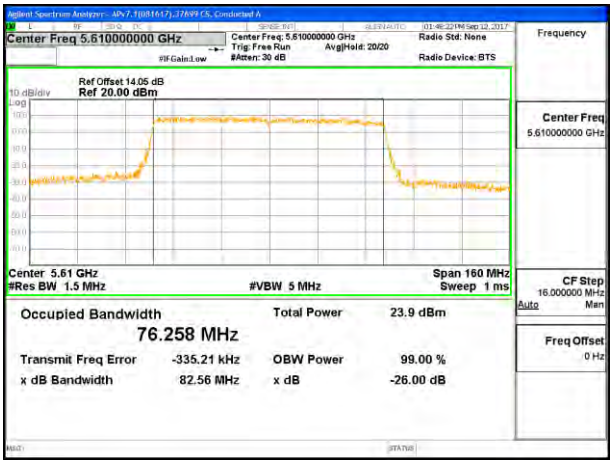
HIGH CHANNEL

CHANNEL 138

1TX Chain 1

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5530	76.1660
High	5610	76.2580
138	5690	76.1450

LOW CHANNEL



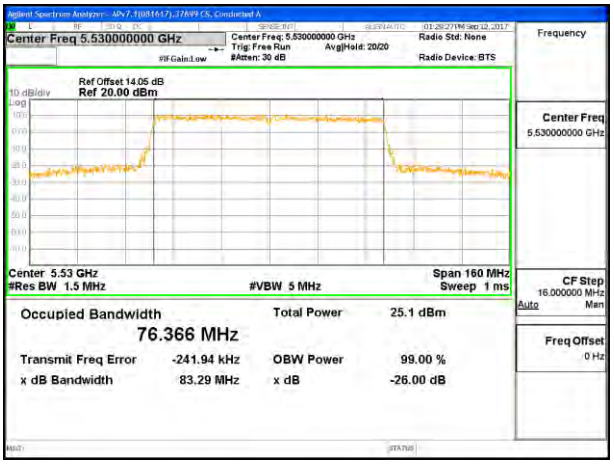
HIGH CHANNEL

CHANNEL 138

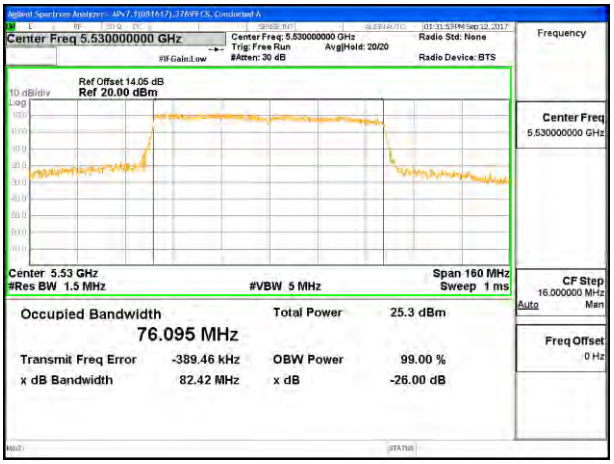
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5530	76.3660	76.0950
High	5610	76.2150	76.0070
138	5690	76.1480	76.3250

LOW CHANNEL

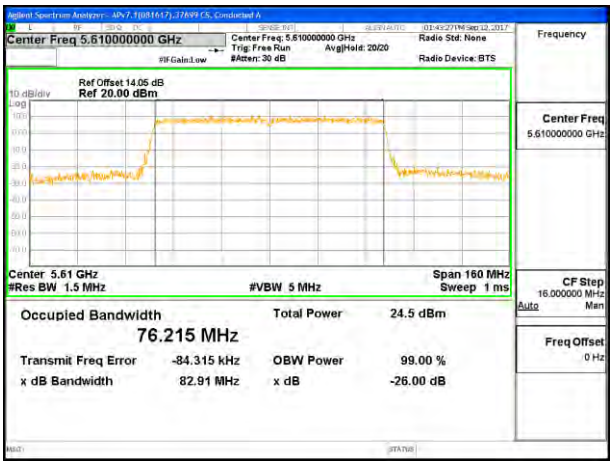


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

CHANNEL 138

CHANNEL 138 CHAIN 0

CHANNEL 138 CHAIN 1

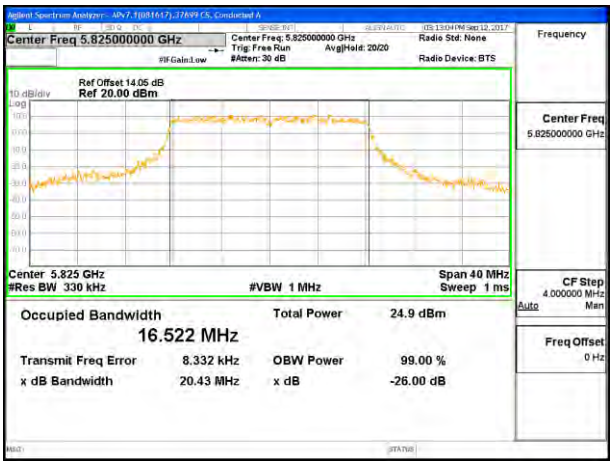
8.3.13. 802.11a MODE IN THE 5.8 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	16.5280
Mid	5785	16.5550
High	5825	16.5220

LOW CHANNEL

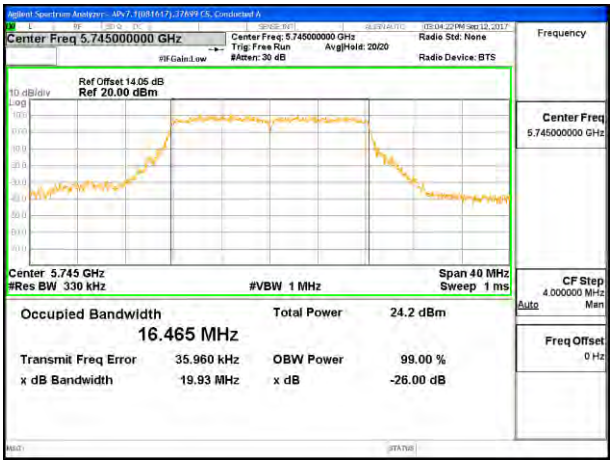
MID CHANNEL



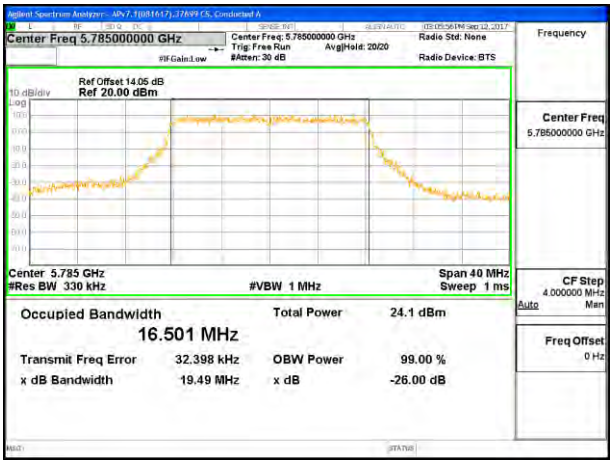
HIGH CHANNEL

1TX Chain 1

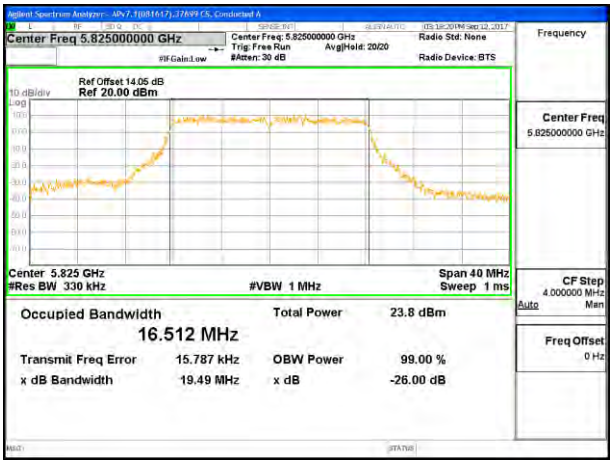
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	16.4650
Mid	5785	16.5010
High	5825	16.5120



LOW CHANNEL



MID CHANNEL

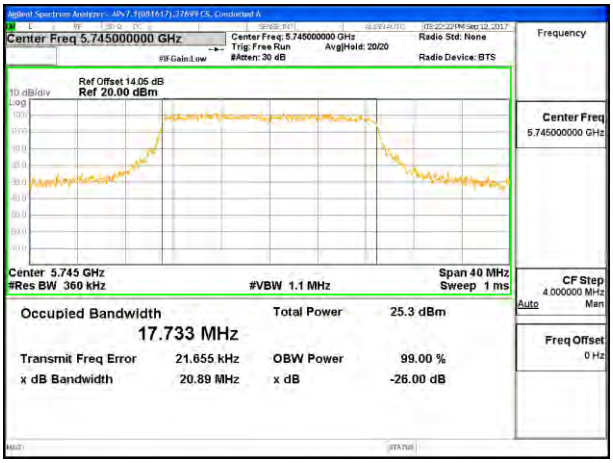


HIGH CHANNEL

8.3.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

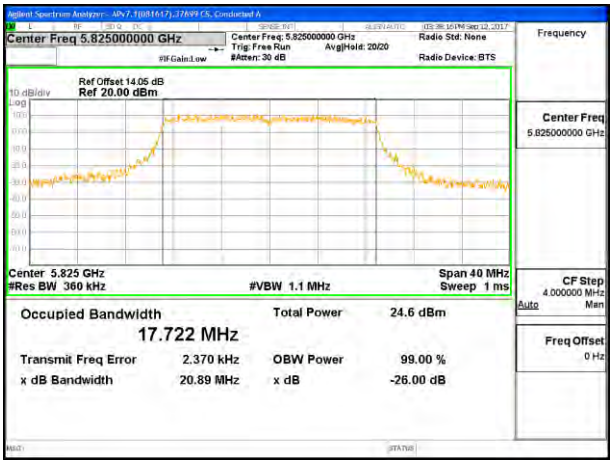
1TX Chain 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.7330
Mid	5785	17.6900
High	5825	17.7220



LOW CHANNEL

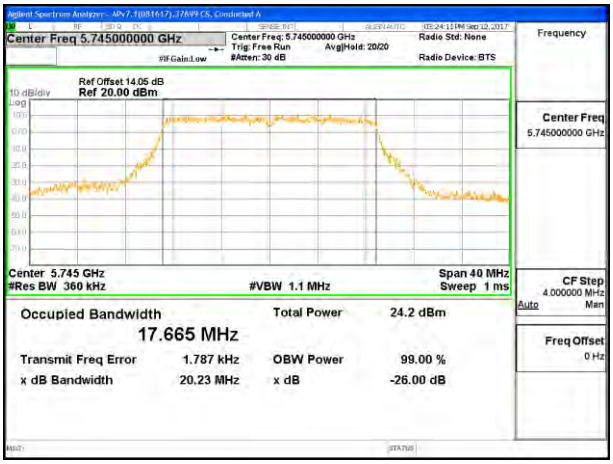
MID CHANNEL



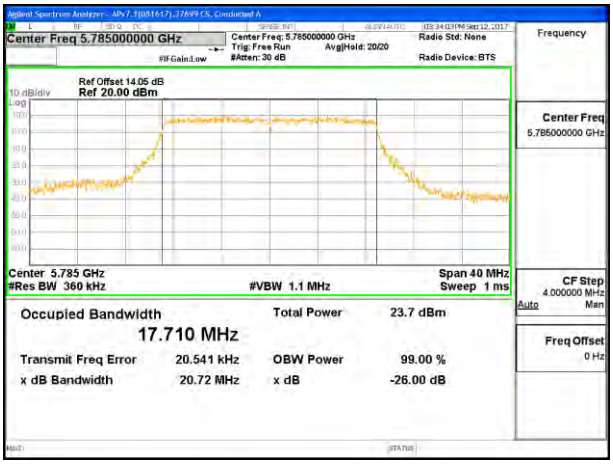
HIGH CHANNEL

1TX Chain 1

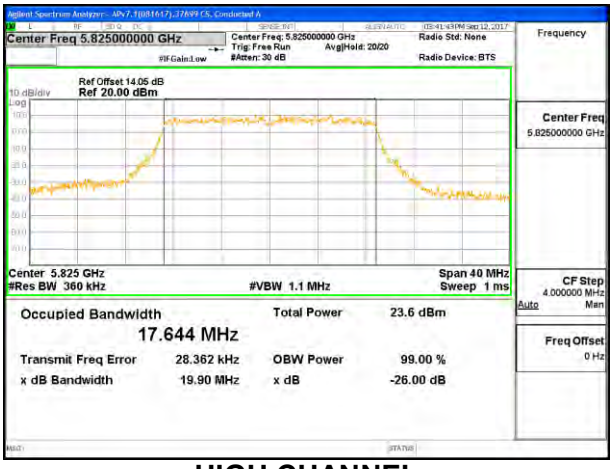
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.6650
Mid	5785	17.7100
High	5825	17.6440



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

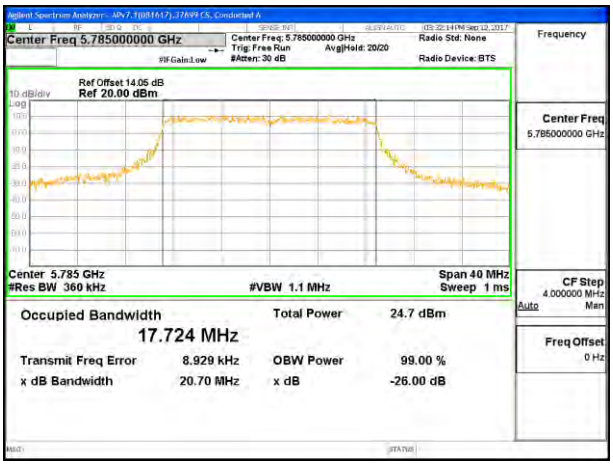
Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5745	17.7050	17.7600
Mid	5785	17.7240	17.7180
High	5825	17.7010	17.6570

LOW CHANNEL

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

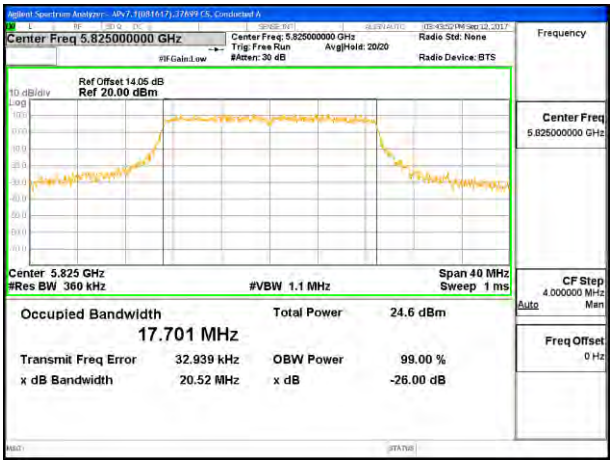
MID CHANNEL



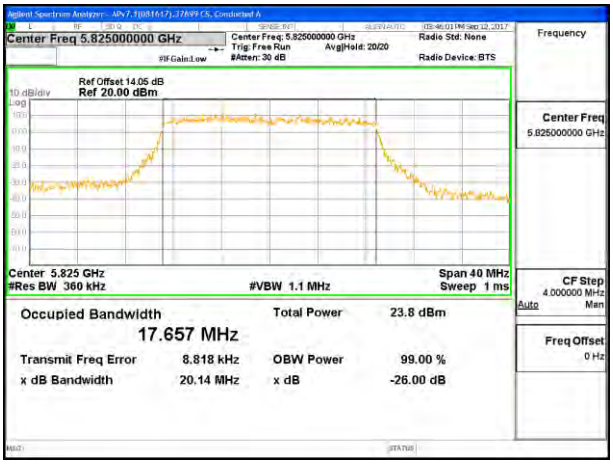
MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0

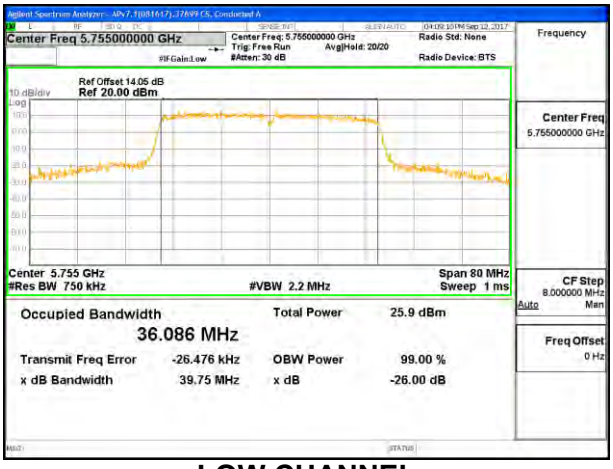


HIGH CHANNEL CHAIN 1

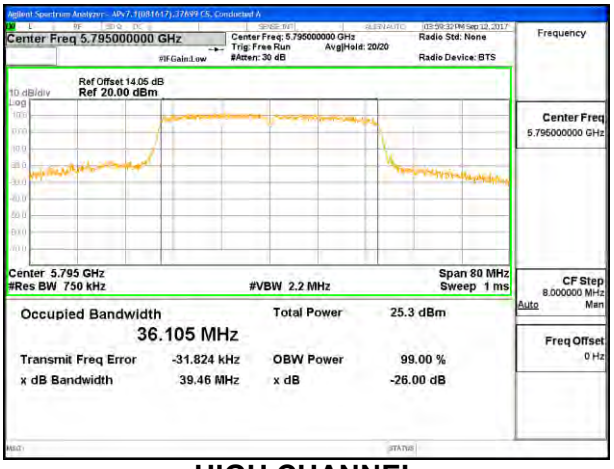
8.3.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.0860
High	5795	36.1050



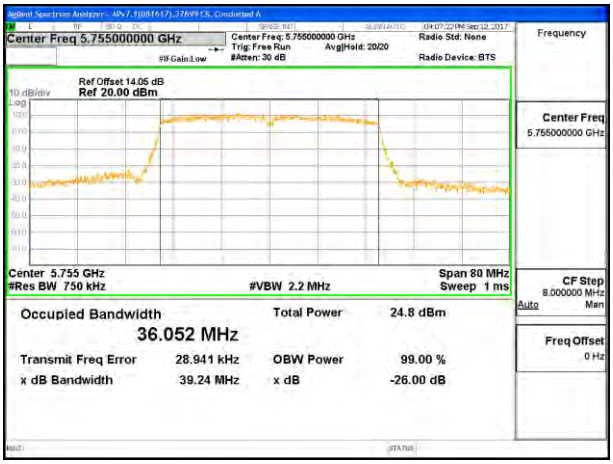
LOW CHANNEL



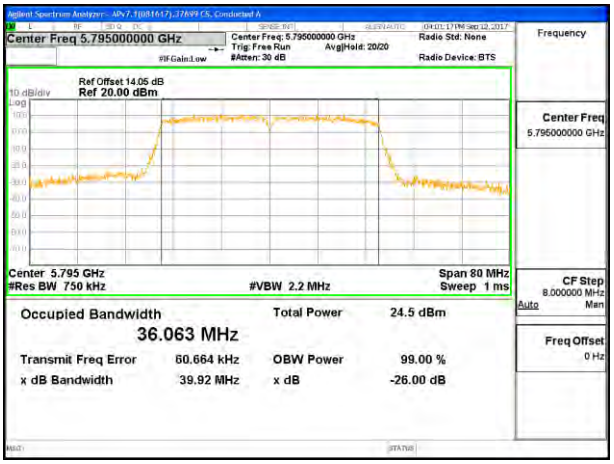
HIGH CHANNEL

1TX Chain 1

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.0520
High	5795	36.0630



LOW CHANNEL

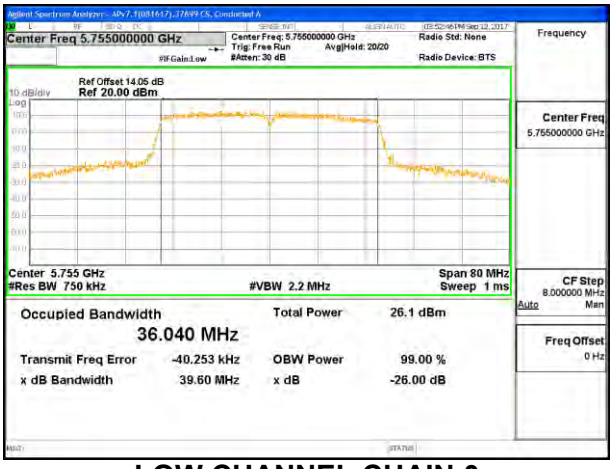


HIGH CHANNEL

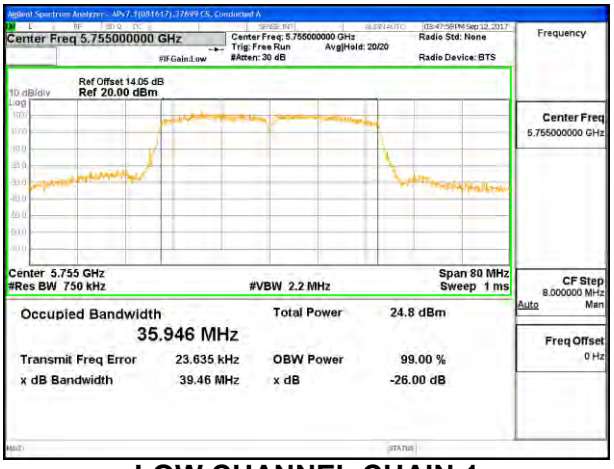
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5755	36.0400	35.9460
High	5795	36.1100	36.0850

LOW CHANNEL



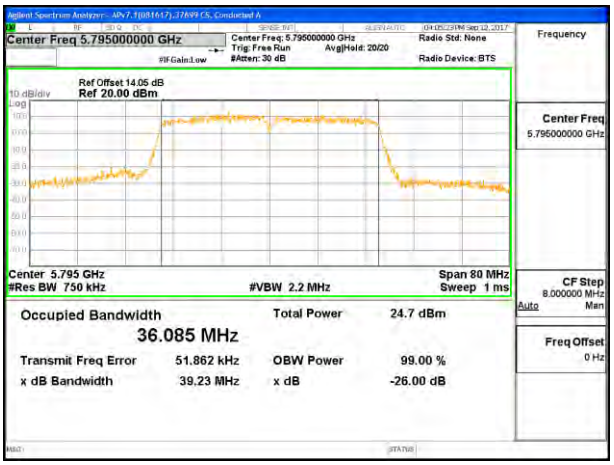
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.3.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	76.1570

MID CHANNEL

1TX Chain 1

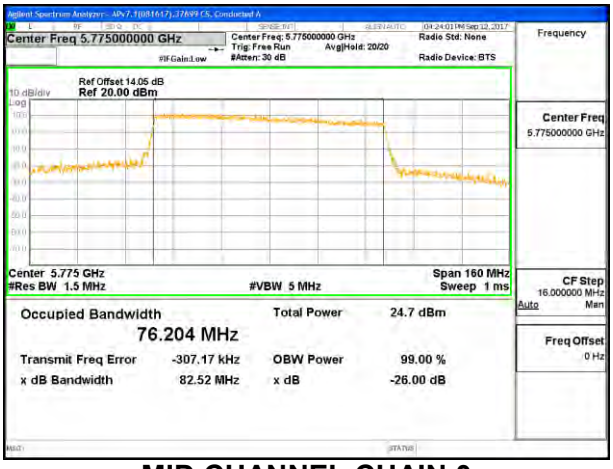
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	76.0880

MID CHANNEL

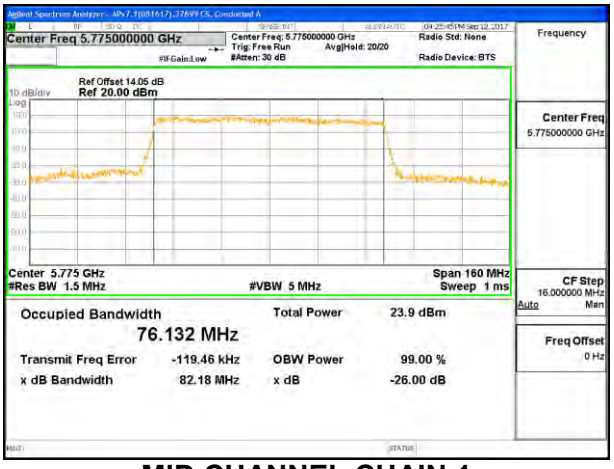
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5775	76.2040	76.1320

MID CHANNEL



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

8.4. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

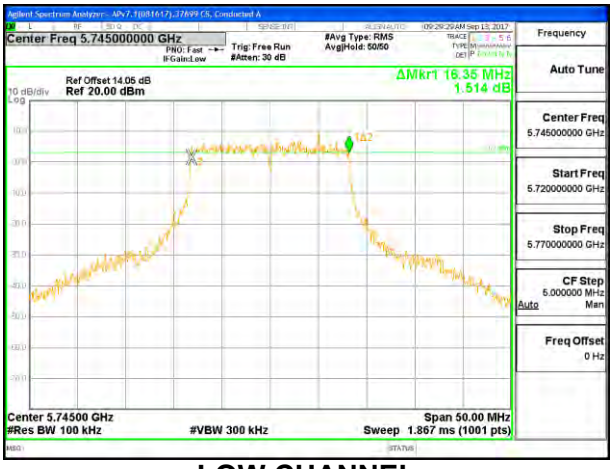
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

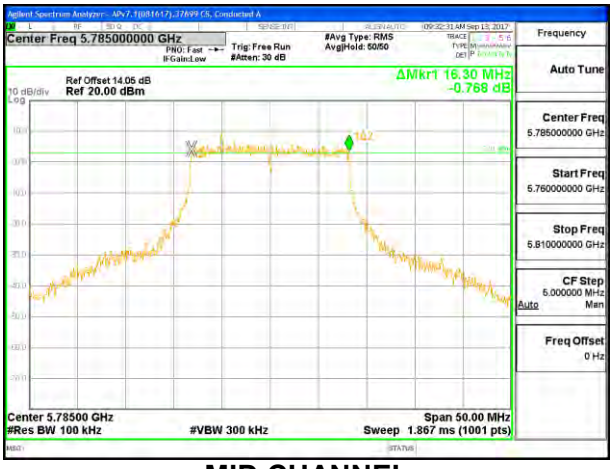
8.4.1. 802.11a MODE IN THE 5.8 GHz BAND

1TX Chain 0

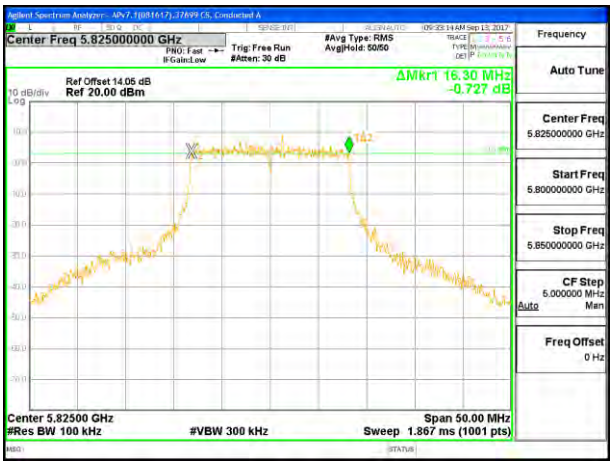
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	16.3500	0.5
Mid	5785	16.3000	0.5
High	5825	16.3000	0.5
144	5720	3.2000	0.5



LOW CHANNEL



MID CHANNEL

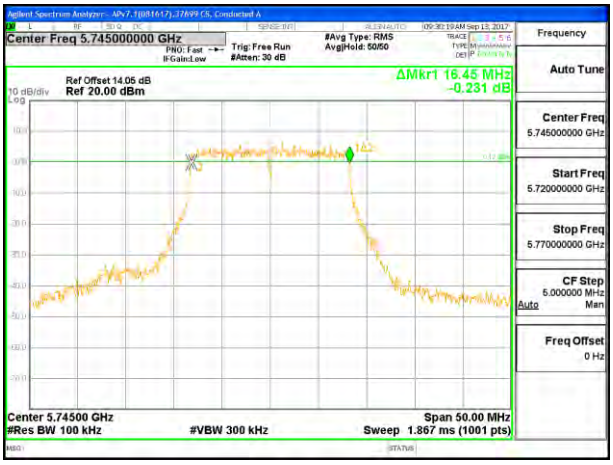


HIGH CHANNEL

CHANNEL 144

1TX Chain 1

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	16.4500	0.5
Mid	5785	16.3000	0.5
High	5825	16.3000	0.5
144	5720	3.2000	0.5



LOW CHANNEL

MID CHANNEL

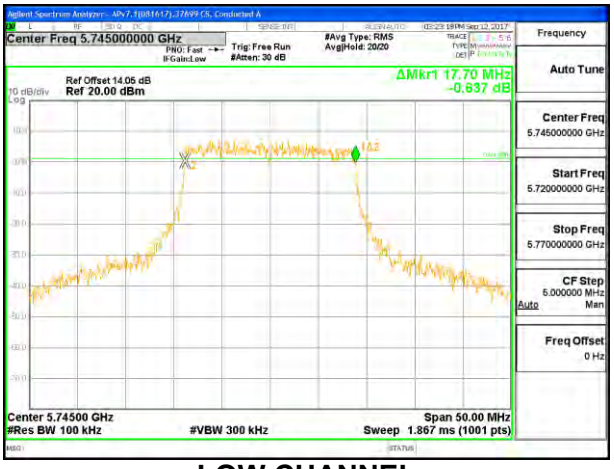
HIGH CHANNEL

CHANNEL 144

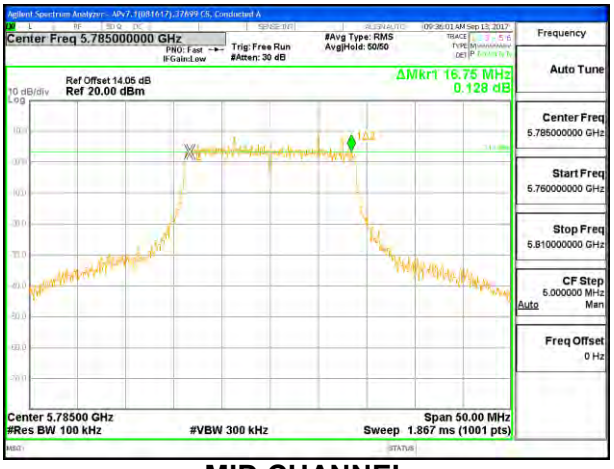
8.4.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Chain 0

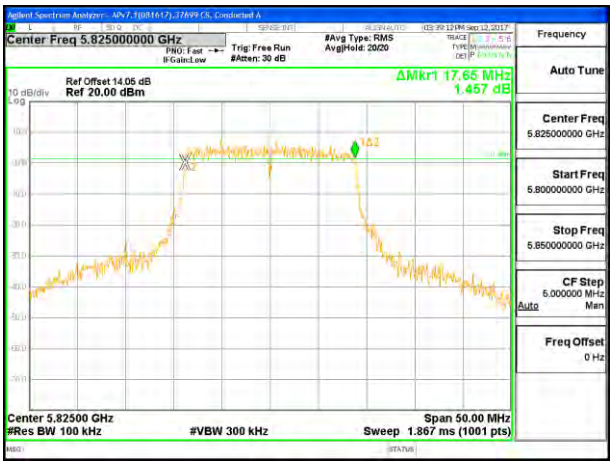
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.7000	0.5
Mid	5785	16.7500	0.5
High	5825	17.6500	0.5
144	5720	3.9000	0.5



LOW CHANNEL



MID CHANNEL

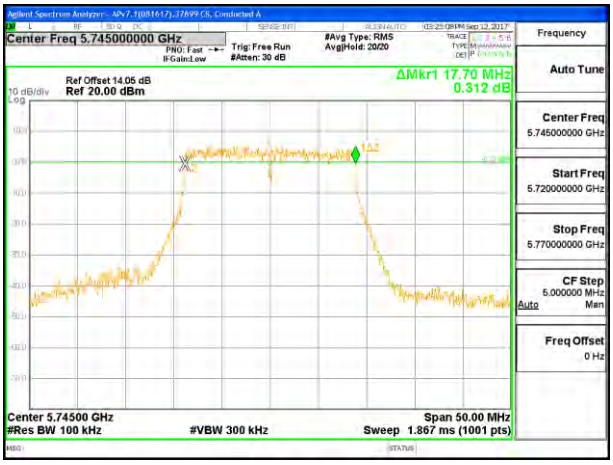


HIGH CHANNEL

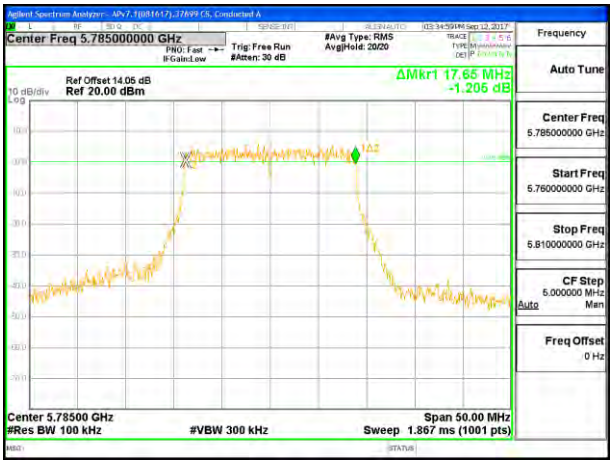
CHANNEL 144

1TX Chain 1

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.7000	0.5
Mid	5785	17.6500	0.5
High	5825	17.7000	0.5
144	5720	3.9500	0.5



LOW CHANNEL



MID CHANNEL

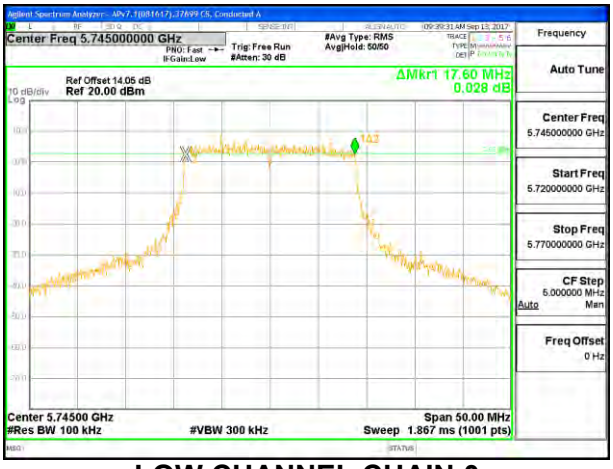
HIGH CHANNEL

CHANNEL 144

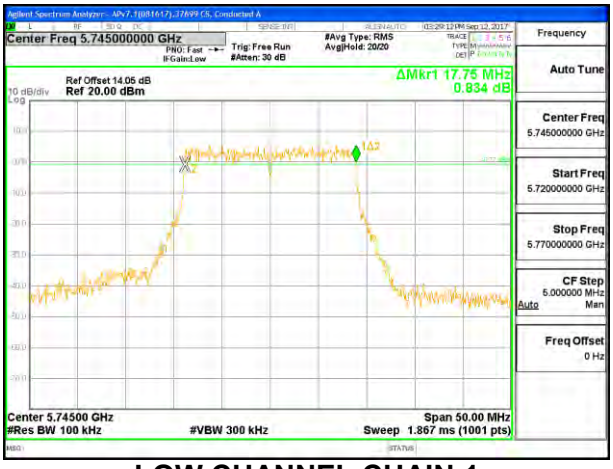
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.6000	17.7500	0.5
Mid	5785	17.7000	17.7500	0.5
High	5825	17.6500	17.7000	0.5
144	5720	3.9500	3.8500	0.5

LOW CHANNEL

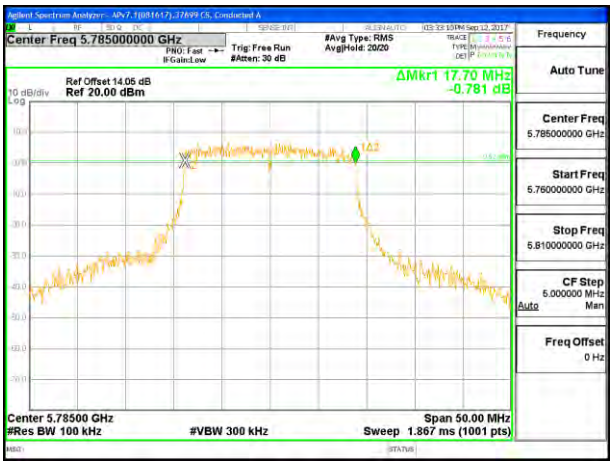


LOW CHANNEL CHAIN 0

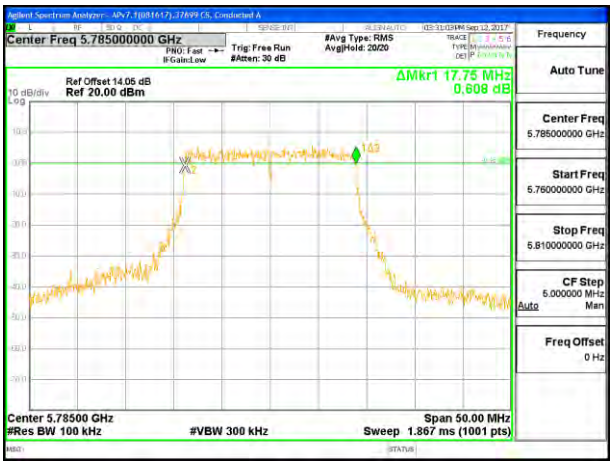


LOW CHANNEL CHAIN 1

MID CHANNEL



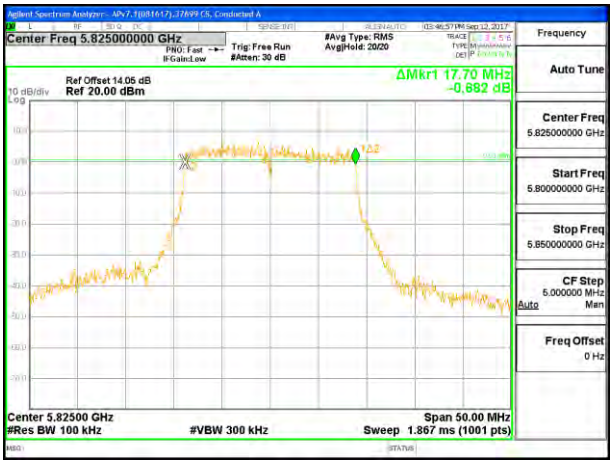
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL

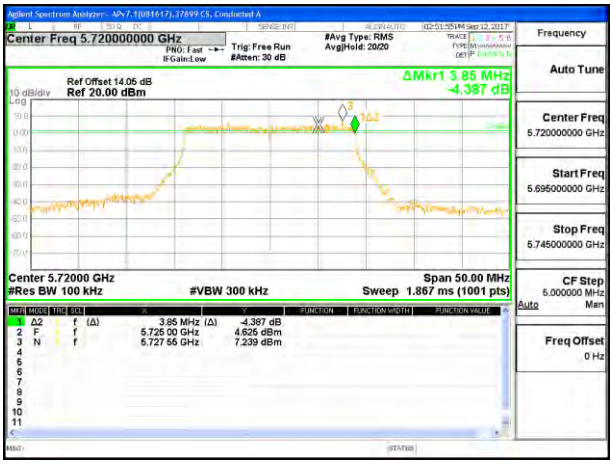
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

CHANNEL 144

CHANNEL 144 CHAIN 0

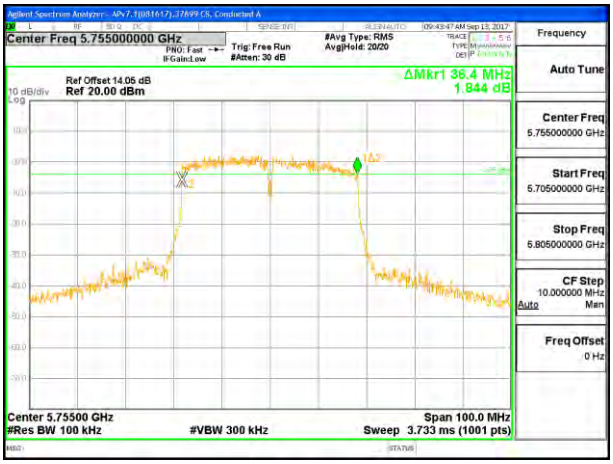


CHANNEL 144 CHAIN 1

8.4.3. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.4000	0.5
High	5795	36.4000	0.5
142	5710	3.2000	0.5



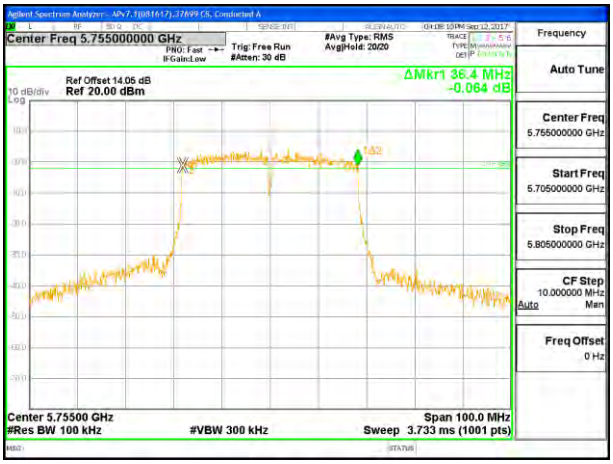
LOW CHANNEL

HIGH CHANNEL

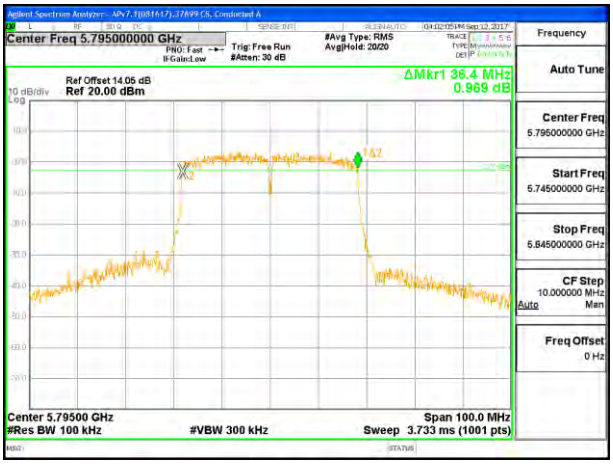
CHANNEL 142

1TX Chain 1

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.4000	0.5
High	5795	36.4000	0.5
142	5710	3.2000	0.5



LOW CHANNEL



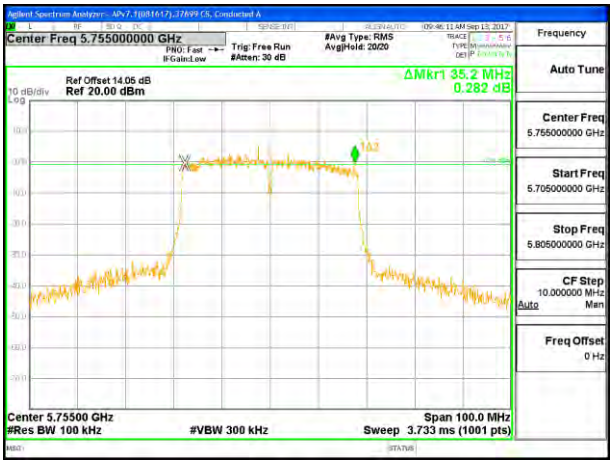
HIGH CHANNEL

CHANNEL 142

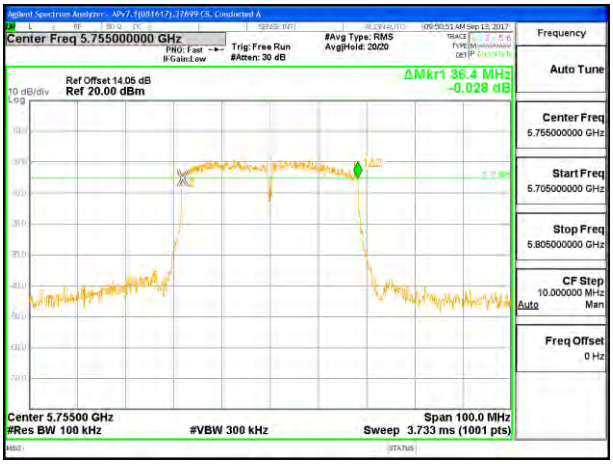
2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	35.2000	36.4000	0.5
High	5795	36.0000	35.6000	0.5
142	5710	3.2000	3.3000	0.5

LOW CHANNEL



LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

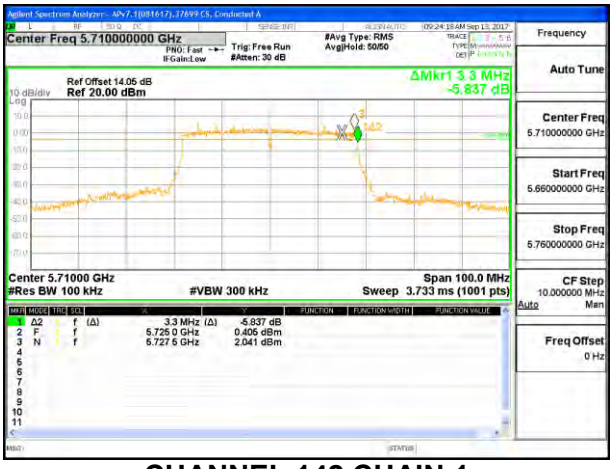
HIGH CHANNEL

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

CHANNEL 142

CHANNEL 142 CHAIN 0

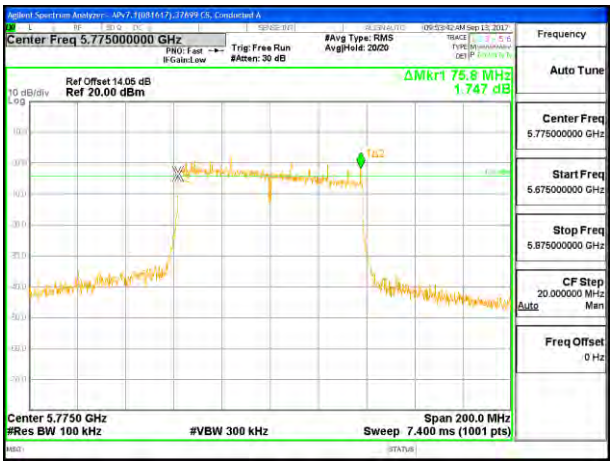


CHANNEL 142 CHAIN 1

8.4.4. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Chain 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.8000	0.5
138	5690	3.2000	0.5

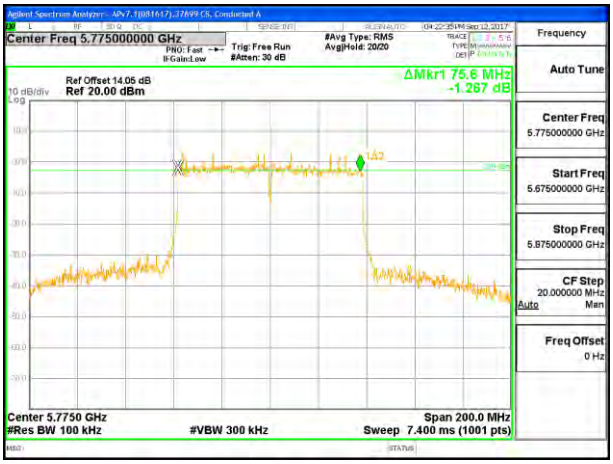


MID CHANNEL

CHANNEL 138

1TX Chain 1

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.6000	0.5
138	5690	3.2000	0.5



MID CHANNEL

CHANNEL 138

2TX Chain 0 + Chain 1 CDD MODE

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.8000	76.4000	0.5
138	5690	3.2000	3.2000	0.5

MID CHANNEL

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

CHANNEL 138

CHANNEL 138 CHAIN 0

CHANNEL 138 CHAIN 1

8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz
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
The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 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
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.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v01r04, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v01r04, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v01r04, Section F

4.9DIRECTIONAL ANTENNA GAIN

For 1 TX:
There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:
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	4.80	4.90	4.85	7.86
5.3	5	4.9	4.95	7.96
5.6	5.5	4.2	4.90	7.88
5.8	5.5	4.2	4.90	7.88

RESULTS

8.5.1. 802.11a MODE IN THE 5.2 GHz BAND

1TX Chain 0

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	4.80	24.00	11.00
Mid	5200	4.80	24.00	11.00
High	5240	4.80	24.00	11.00

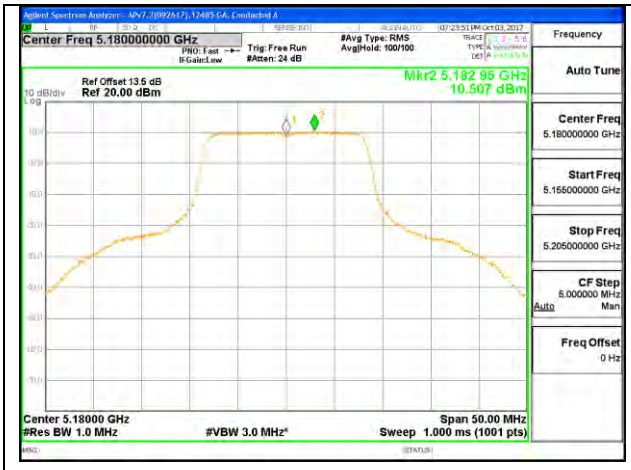
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD

Output Power Results

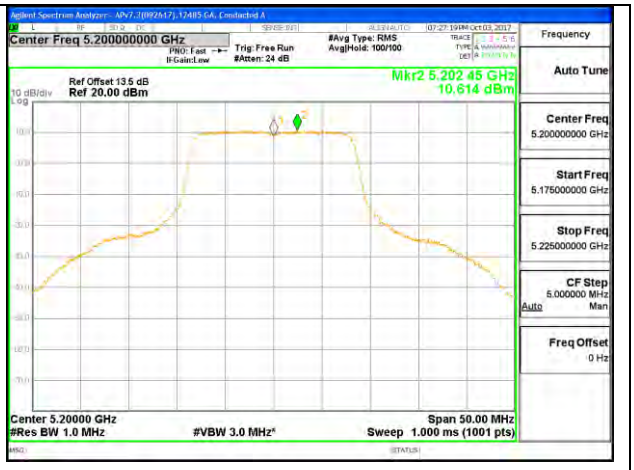
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.17	19.17	24.00	-4.83
Mid	5200	20.78	20.78	24.00	-3.22
High	5240	20.41	20.41	24.00	-3.59

PSD Results

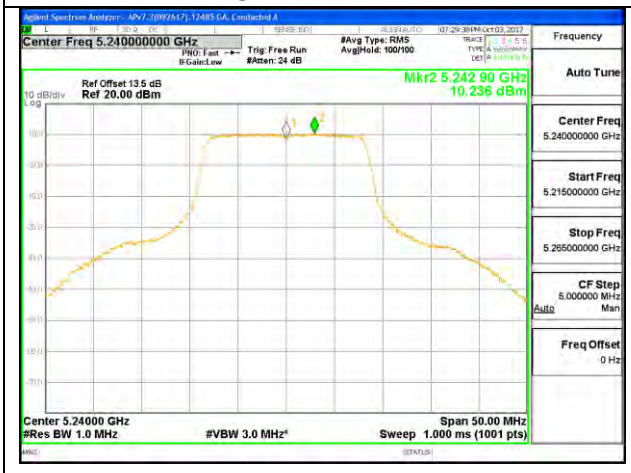
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	10.51	10.63	11.00	-0.37
Mid	5200	10.61	10.73	11.00	-0.27
High	5240	10.24	10.36	11.00	-0.64



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

1TX Chain 1

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	4.90	24.00	11.00
Mid	5200	4.90	24.00	11.00
High	5240	4.90	24.00	11.00

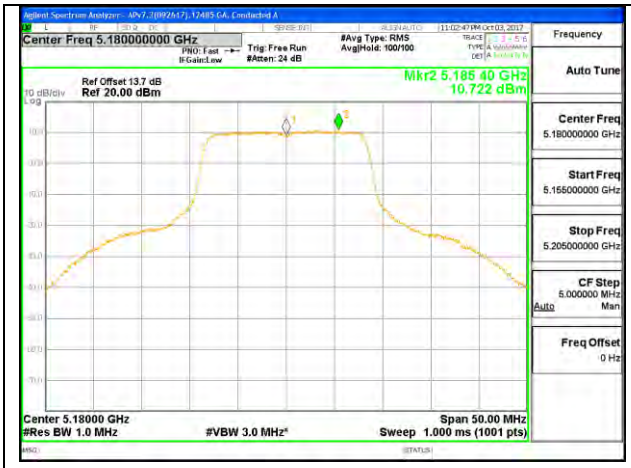
Duty Cycle CF (dB)	0.14	Included in Calculations of Corr'd PSD

Output Power Results

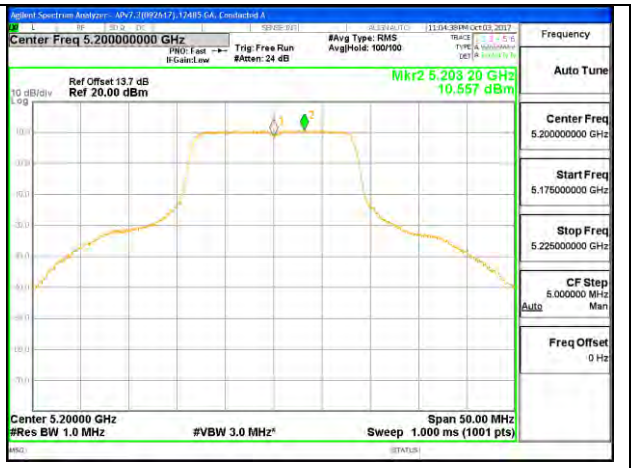
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.85	19.85	24.00	-4.15
Mid	5200	21.50	21.50	24.00	-2.50
High	5240	20.74	20.74	24.00	-3.26

PSD Results

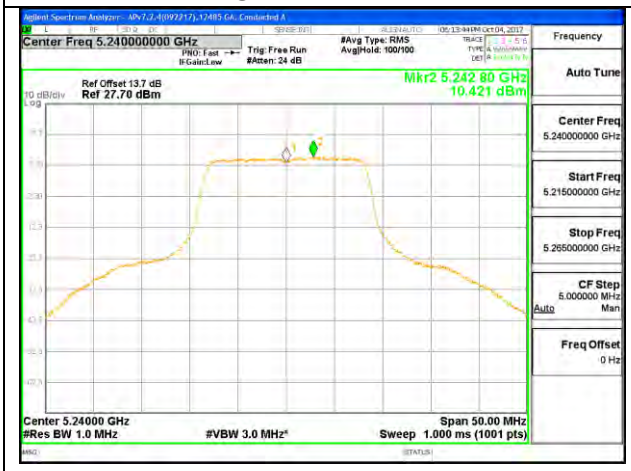
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	10.72	10.86	11.00	-0.14
Mid	5200	10.56	10.70	11.00	-0.30
High	5240	10.42	10.56	11.00	-0.44



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

8.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Chain 0

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	4.80	24.00	11.00
Mid	5200	4.80	24.00	11.00
High	5240	4.80	24.00	11.00

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

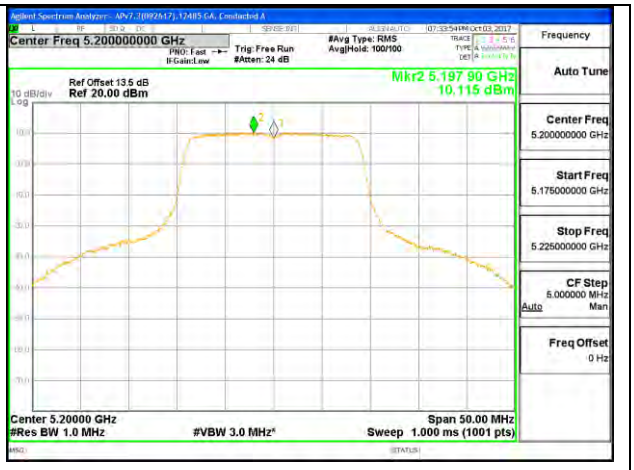
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.02	19.02	24.00	-4.98
Mid	5200	20.51	20.51	24.00	-3.49
High	5240	20.25	20.25	24.00	-3.75

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	10.12	10.12	11.00	-0.88
Mid	5200	10.12	10.12	11.00	-0.89
High	5240	10.00	10.00	11.00	-1.00

LOW CHANNEL



MID CHANNEL

HIGH CHANNEL

1TX Chain 1

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	4.90	24.00	11.00
Mid	5200	4.90	24.00	11.00
High	5240	4.90	24.00	11.00

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

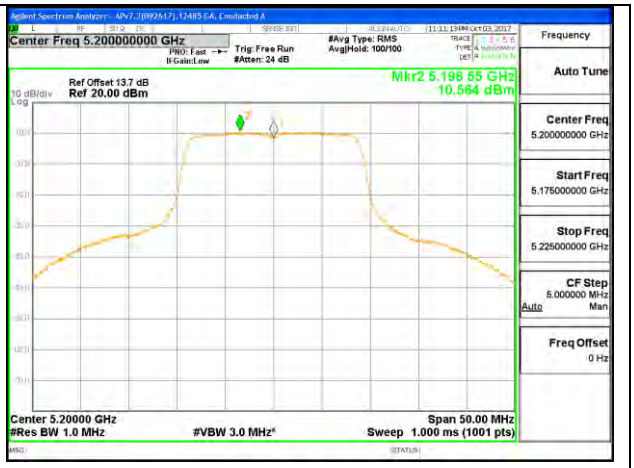
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.65	19.65	24.00	-4.35
Mid	5200	21.32	21.32	24.00	-2.68
High	5240	21.54	21.54	24.00	-2.46

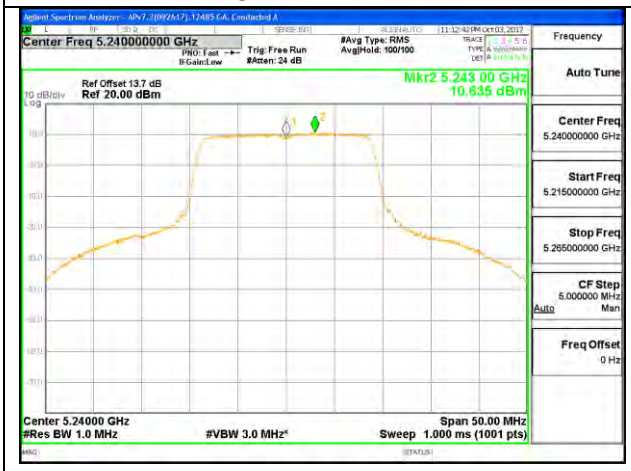
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	10.13	10.13	11.00	-0.87
Mid	5200	10.56	10.56	11.00	-0.44
High	5240	10.64	10.64	11.00	-0.37

LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

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	4.85	7.86	24.00	9.14
Mid	5200	4.85	7.86	24.00	9.14
High	5240	4.85	7.86	24.00	9.14

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

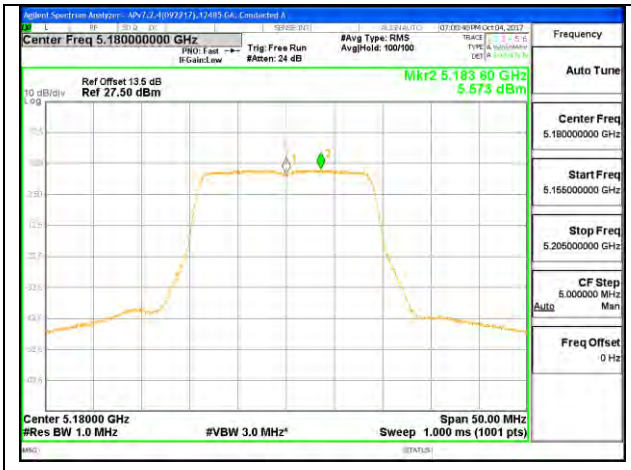
Output Power Results

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	16.17	16.37	19.28	24.00	-4.72
Mid	5200	15.74	16.06	18.91	24.00	-5.09
High	5240	15.51	16.22	18.89	24.00	-5.11

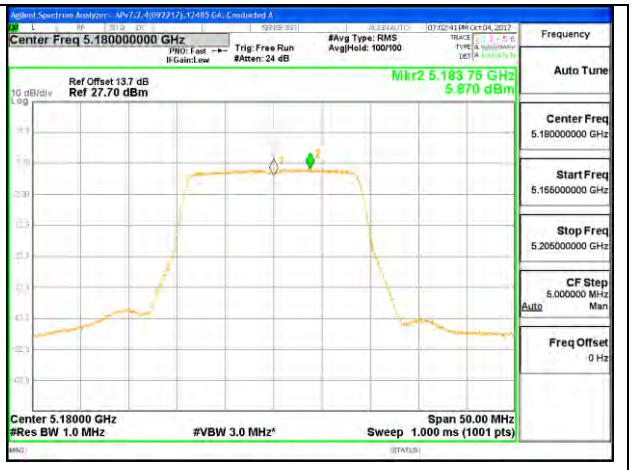
PSD Results

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	5.57	5.87	8.73	9.14	-0.41
Mid	5200	5.21	5.68	8.46	9.14	-0.68
High	5240	4.98	5.77	8.40	9.14	-0.74

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

8.5.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Chain 0

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	4.80	24.00	11.00
High	5230	4.80	24.00	11.00

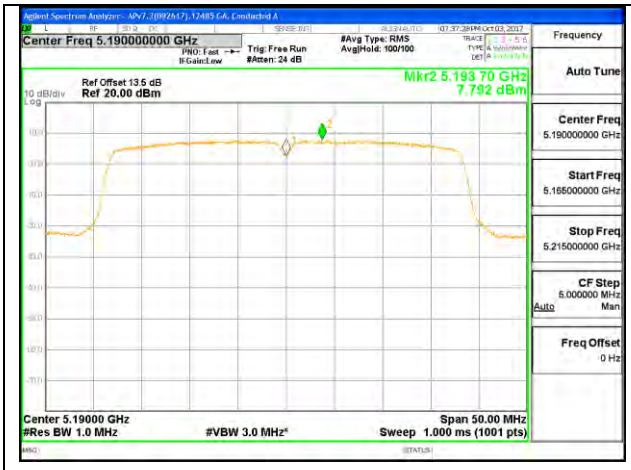
Duty Cycle CF (dB)	0.17	Included in Calculations of Corr'd PSD

Output Power Results

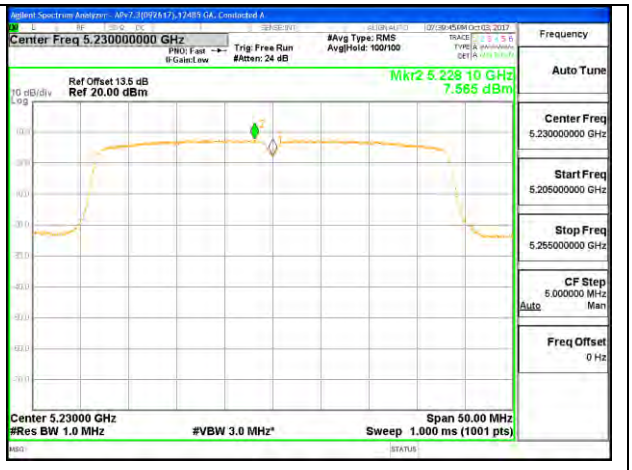
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.01	16.01	24.00	-7.99
High	5230	20.65	20.65	24.00	-3.35

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	7.79	7.96	11.00	-3.04
High	5230	7.57	7.74	11.00	-3.27



LOW CHANNEL



HIGH CHANNEL

1TX Chain 1

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	4.90	24.00	11.00
High	5230	4.90	24.00	11.00

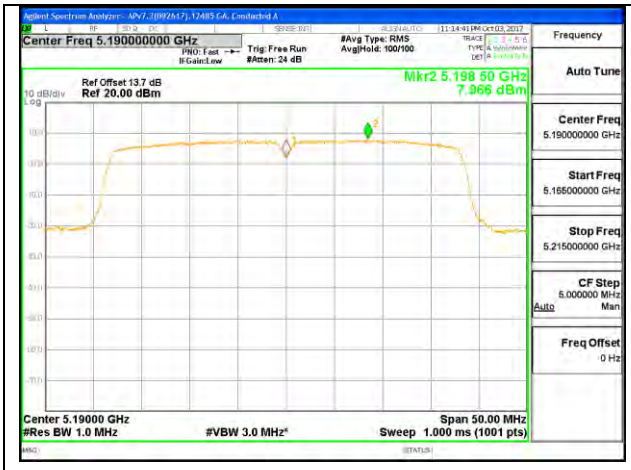
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD

Output Power Results

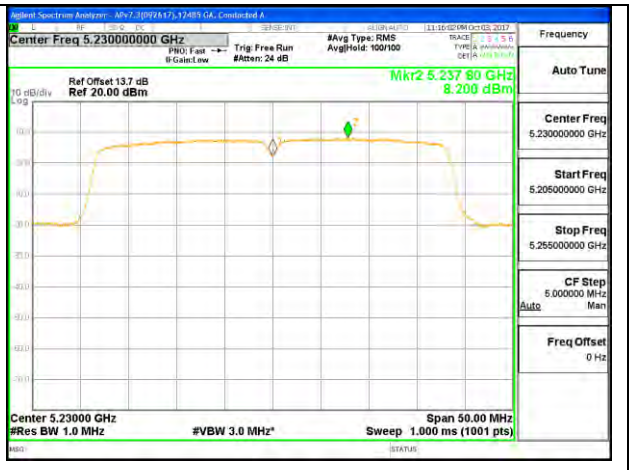
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.58	15.58	24.00	-8.42
High	5230	21.75	21.75	24.00	-2.25

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	7.97	8.09	11.00	-2.91
High	5230	8.20	8.32	11.00	-2.68



LOW CHANNEL



HIGH CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

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	4.85	7.86	24.00	9.14
High	5230	4.85	7.86	24.00	9.14

Duty Cycle CF (dB)	0.14	Included in Calculations of Corr'd PSD

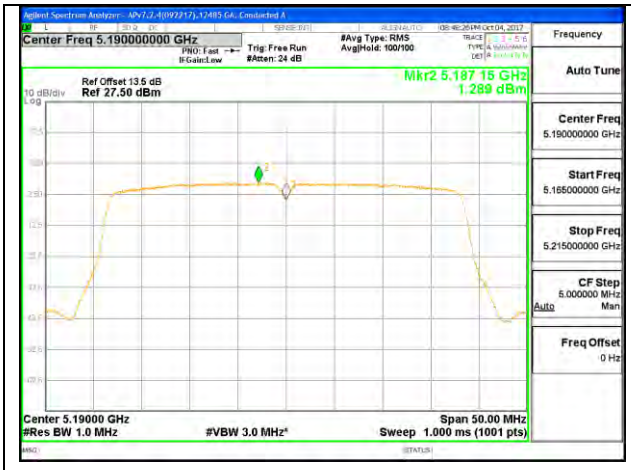
Output Power Results

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	14.46	14.81	17.65	24.00	-6.35
High	5230	18.26	18.73	21.51	24.00	-2.49

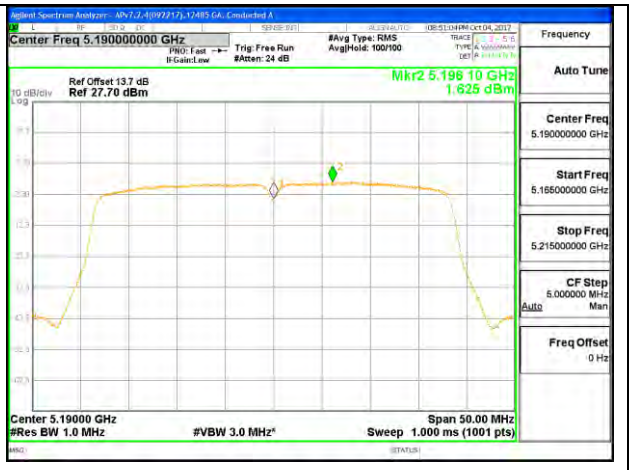
PSD Results

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	1.29	1.63	4.61	9.14	-4.53
High	5230	4.79	5.19	8.14	9.14	-1.00

LOW CHANNEL

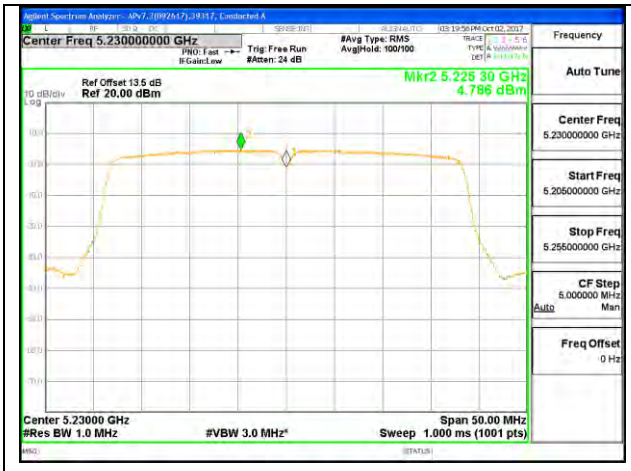


LOW CHANNEL CHAIN 0

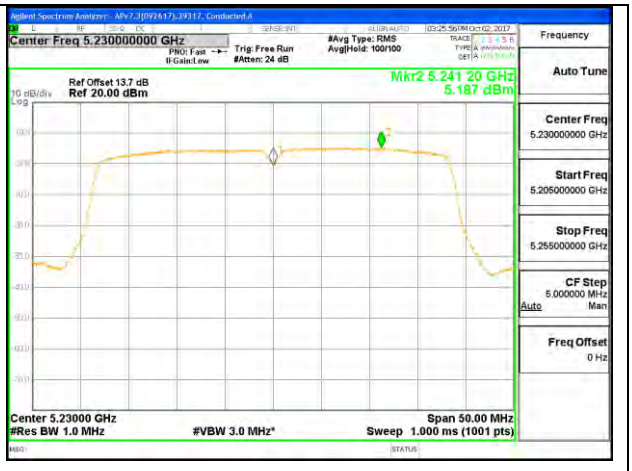


LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Chain 0

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	4.80	24.00	11.00

Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.39	15.39	24.00	-8.61

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	2.82	3.06	11.00	-7.94

MID CHANNEL

1TX Chain 1

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	4.90	24.00	11.00

Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.60	15.60	24.00	-8.40

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	3.13	3.37	11.00	-7.64

MID CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

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	4.85	7.86	24.00	9.14

Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD

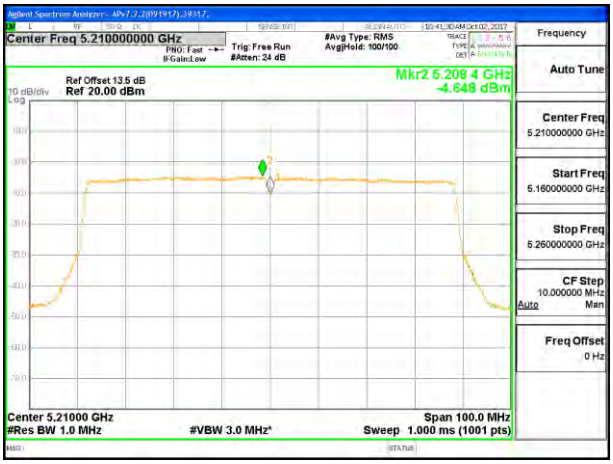
Output Power Results

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	12.59	12.63	15.62	24.00	-8.38

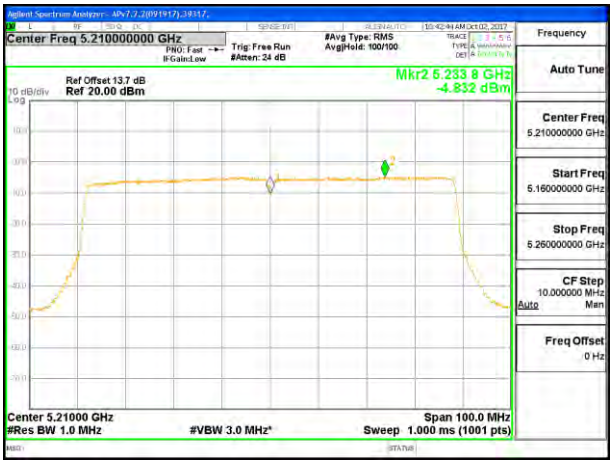
PSD Results

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	-4.65	-4.83	-1.49	9.14	-10.63

MID CHANNEL



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

8.5.5. 802.11a MODE IN THE 5.3 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.55	5.00	24.00	11.00
Mid	5300	20.55	5.00	24.00	11.00
High	5320	20.55	5.00	24.00	11.00

Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD

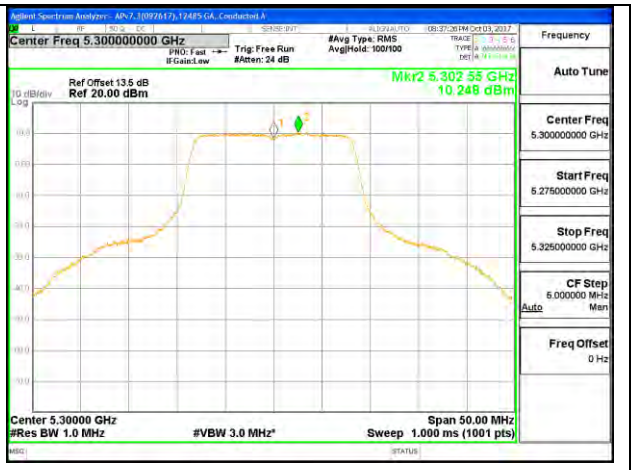
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	20.22	20.22	24.00	-3.78
Mid	5300	20.27	20.27	24.00	-3.73
High	5320	20.30	20.30	24.00	-3.70

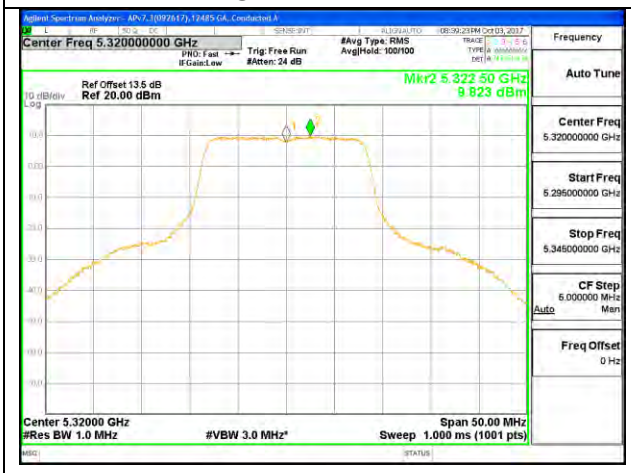
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	10.332	10.45	11.00	-0.55
Mid	5300	10.248	10.37	11.00	-0.63
High	5320	9.823	9.94	11.00	-1.06

LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.65	4.90	24.00	11.00
Mid	5300	20.65	4.90	24.00	11.00
High	5320	20.65	4.90	24.00	11.00

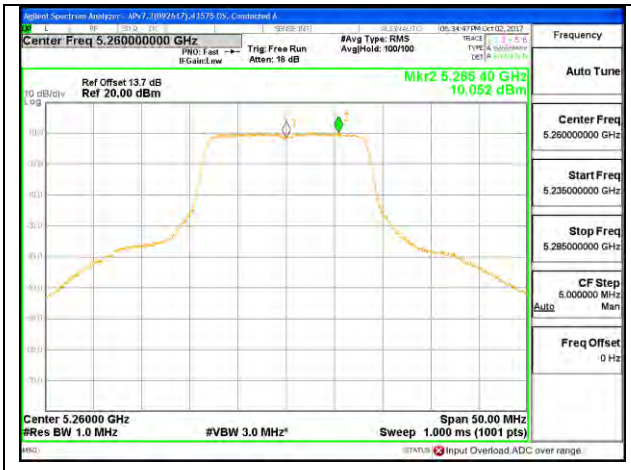
Duty Cycle CF (dB)	0.14	Included in Calculations of Corr'd PSD

Output Power Results

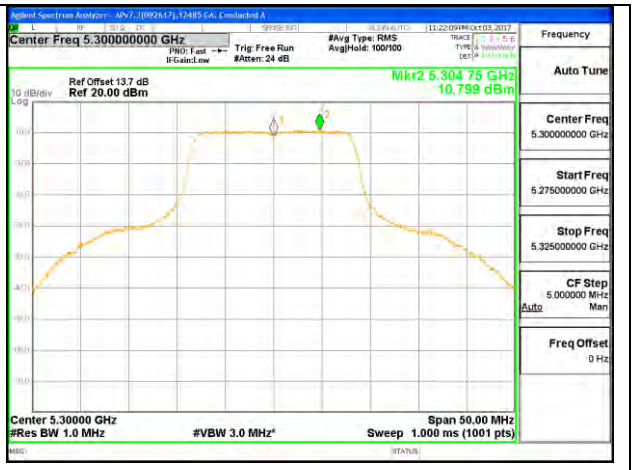
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	20.96	20.96	24.00	-3.04
Mid	5300	21.34	21.34	24.00	-2.66
High	5320	20.23	20.23	24.00	-3.77

PSD Results

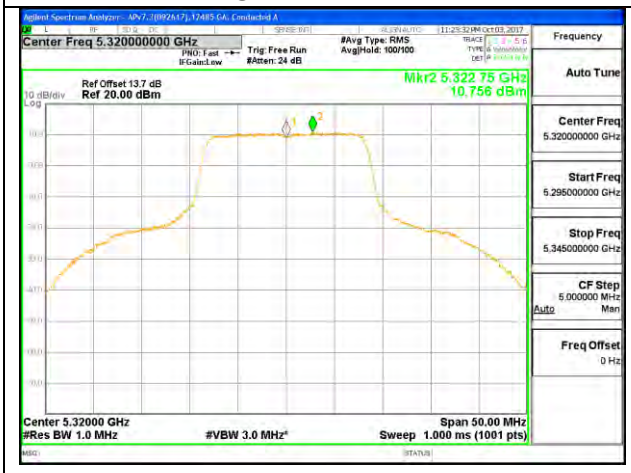
Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	10.052	10.19	11.00	-0.81
Mid	5300	10.799	10.94	11.00	-0.06
High	5320	10.756	10.90	11.00	-0.10



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

8.5.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.10	5.00	24.00	11.00
Mid	5300	21.15	5.00	24.00	11.00
High	5320	21.25	5.00	24.00	11.00

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

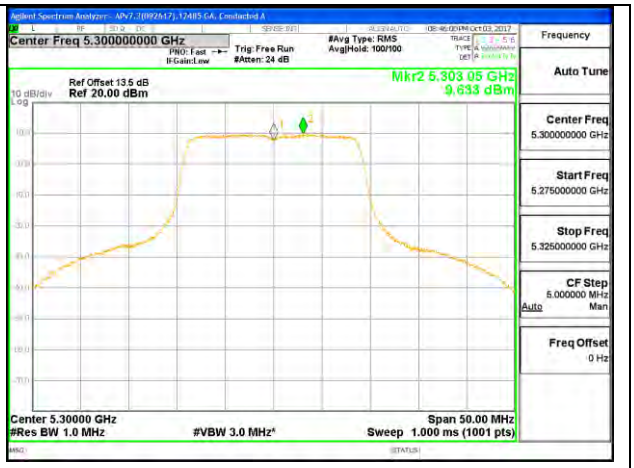
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	20.90	20.90	24.00	-3.10
Mid	5300	20.92	20.92	24.00	-3.08
High	5320	20.64	20.64	24.00	-3.36

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	10.03	10.03	11.00	-0.97
Mid	5300	9.63	9.63	11.00	-1.37
High	5320	9.32	9.32	11.00	-1.68

LOW CHANNEL



MID CHANNEL

HIGH CHANNEL

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.25	4.90	24.00	11.00
Mid	5300	21.25	4.90	24.00	11.00
High	5320	21.25	4.90	24.00	11.00

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

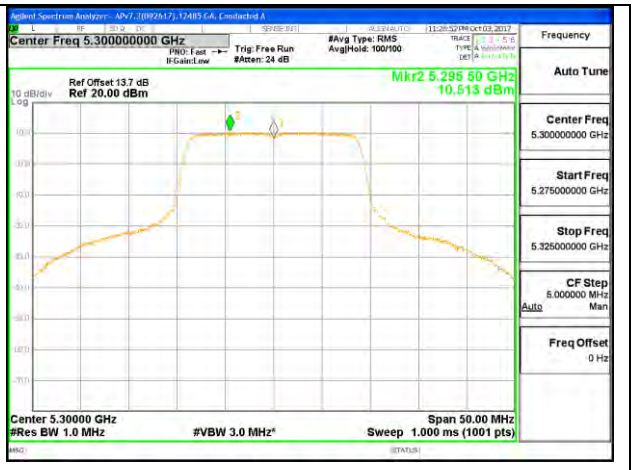
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	20.92	20.92	24.00	-3.08
Mid	5300	21.83	21.83	24.00	-2.17
High	5320	20.89	20.89	24.00	-3.11

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	10.48	10.48	11.00	-0.52
Mid	5300	10.51	10.51	11.00	-0.49
High	5320	10.50	10.50	11.00	-0.51

LOW CHANNEL



MID CHANNEL

HIGH CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.25	4.95	7.96	24.00	9.04
Mid	5300	21.10	4.95	7.96	24.00	9.04
High	5320	21.20	4.95	7.96	24.00	9.04

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

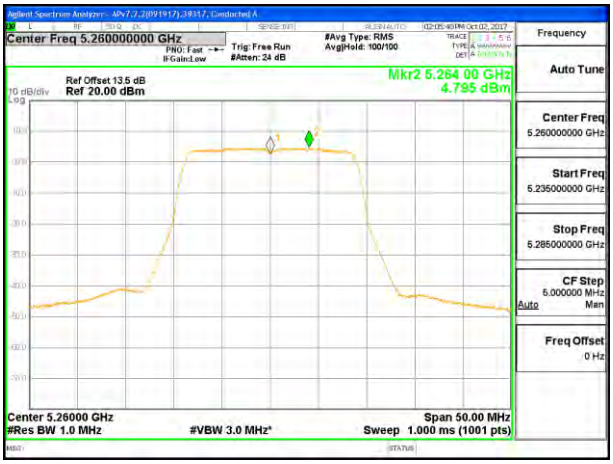
Output Power Results

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	5260	16.02	16.47	19.26	24.00	-4.74
Mid	5300	15.93	16.67	19.33	24.00	-4.67
High	5320	15.62	16.62	19.16	24.00	-4.84

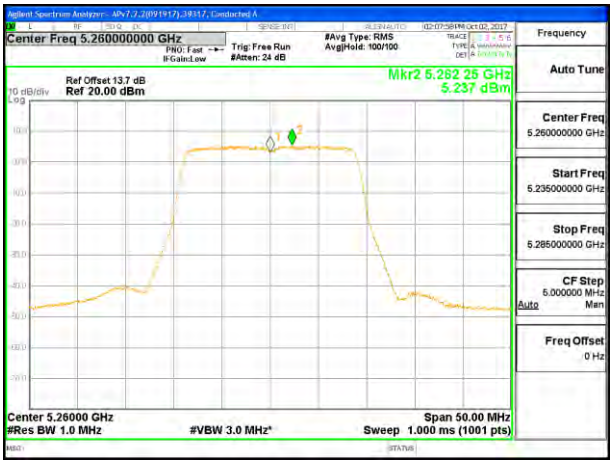
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm)	PSD Margin (dB)
Low	5260	4.80	5.24	8.03	9.04	-1.01
Mid	5300	4.26	5.10	7.71	9.04	-1.33
High	5320	4.11	5.38	7.80	9.04	-1.24

LOW CHANNEL

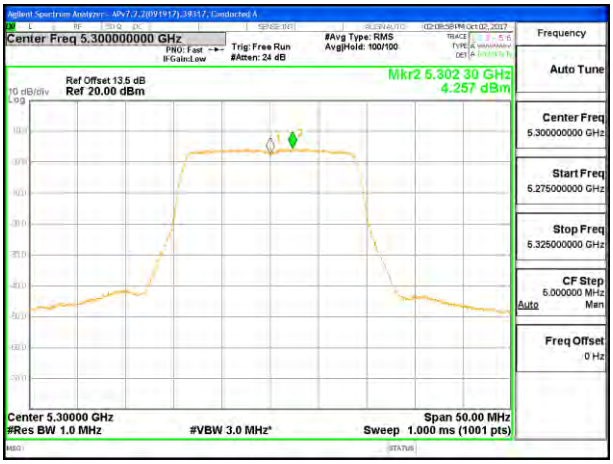


LOW CHANNEL CHAIN 0

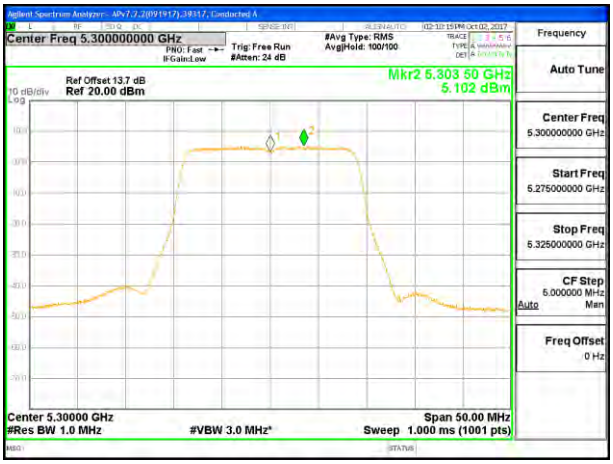


LOW CHANNEL CHAIN 1

MID CHANNEL

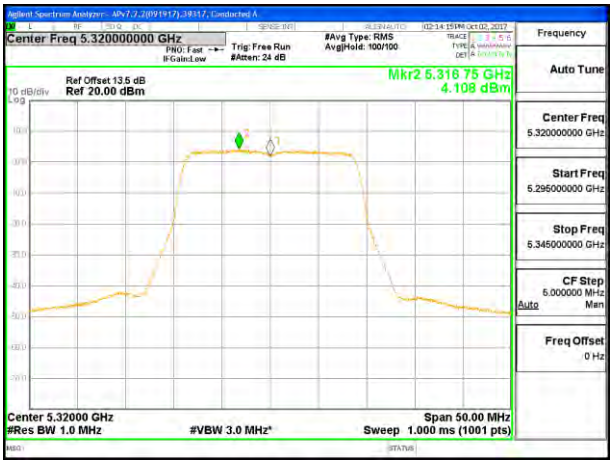


MID CHANNEL CHAIN 0

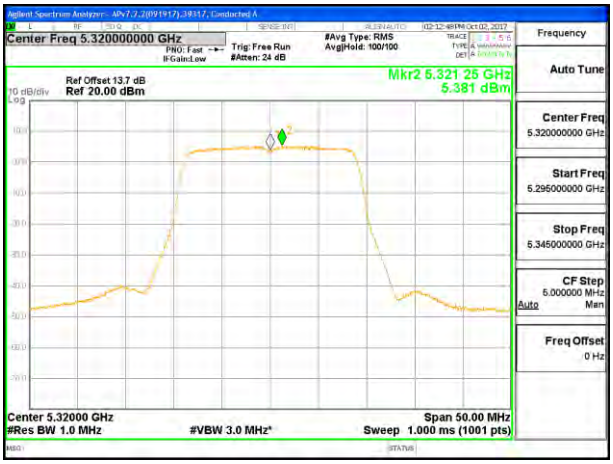


MID CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.70	5.00	24.00	11.00
High	5310	40.70	5.00	24.00	11.00

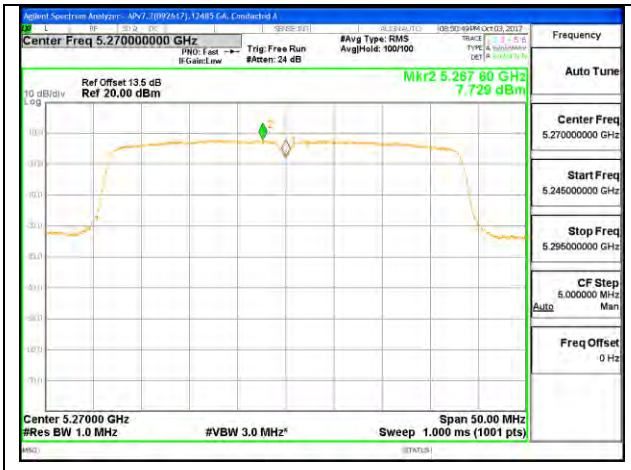
Duty Cycle CF (dB)	0.17	Included in Calculations of Corr'd PSD

Output Power Results

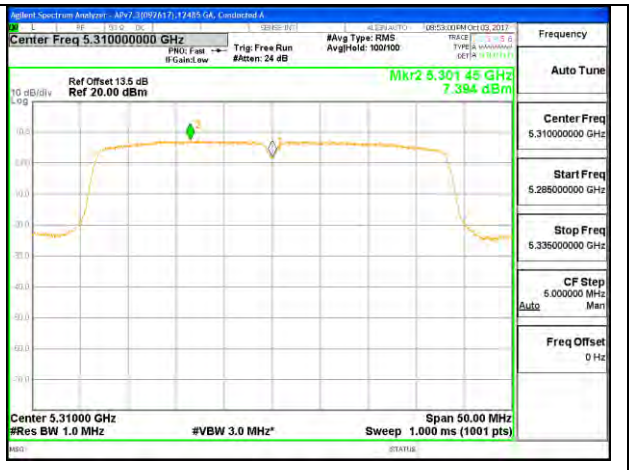
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	21.51	21.51	24.00	-2.49
High	5310	17.50	17.50	24.00	-6.50

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.73	7.90	11.00	-3.10
High	5310	7.39	7.56	11.00	-3.44



LOW CHANNEL



HIGH CHANNEL

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.80	4.90	24.00	11.00
High	5310	41.10	4.90	24.00	11.00

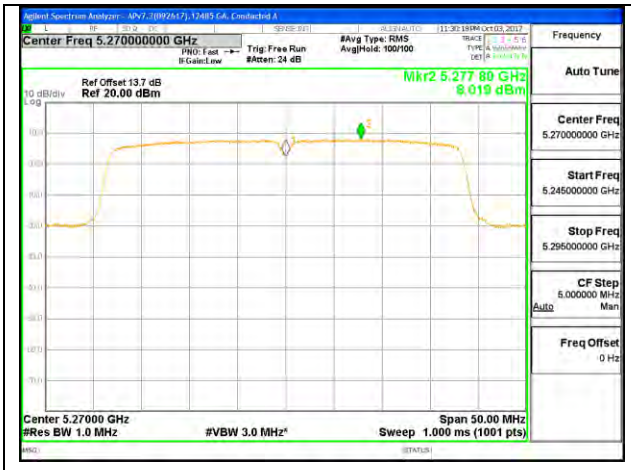
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD

Output Power Results

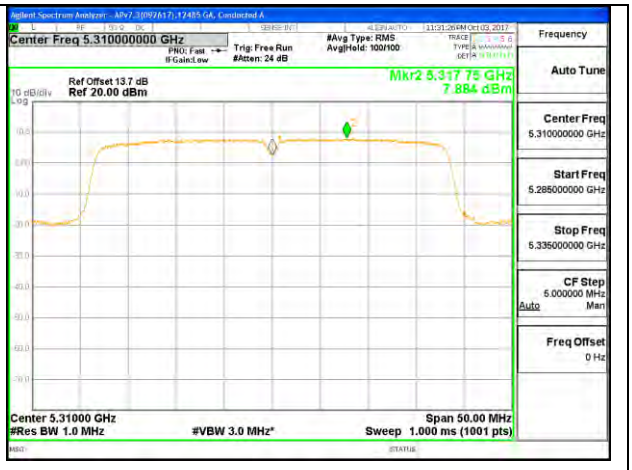
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	22.10	22.10	24.00	-1.90
High	5310	17.79	17.79	24.00	-6.21

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	8.02	8.14	11.00	-2.86
High	5310	7.88	8.00	11.00	-3.00



LOW CHANNEL



HIGH CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.80	4.95	7.96	24.00	9.04
High	5310	40.80	4.95	7.96	24.00	9.04

Duty Cycle CF (dB)	0.14	Included in Calculations of Corr'd PSD

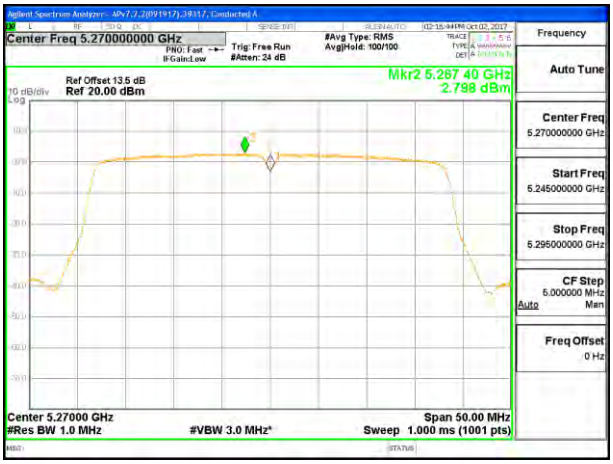
Output Power Results

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	5270	16.81	17.27	20.06	24.00	-3.94
High	5310	16.72	17.46	20.12	24.00	-3.88

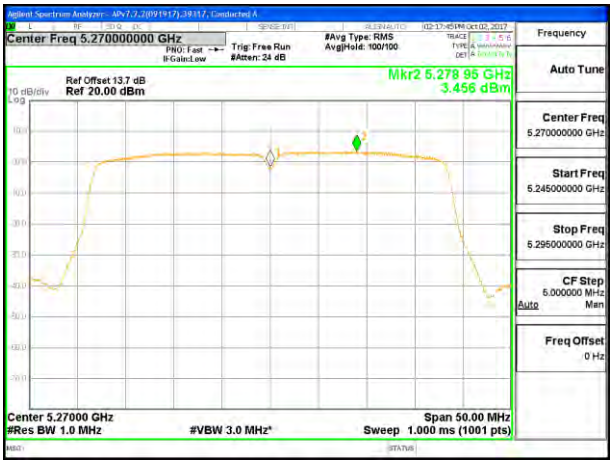
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm)	PSD Margin (dB)
Low	5270	2.80	3.46	6.29	9.04	-2.75
High	5310	2.06	3.25	5.85	9.04	-3.19

LOW CHANNEL

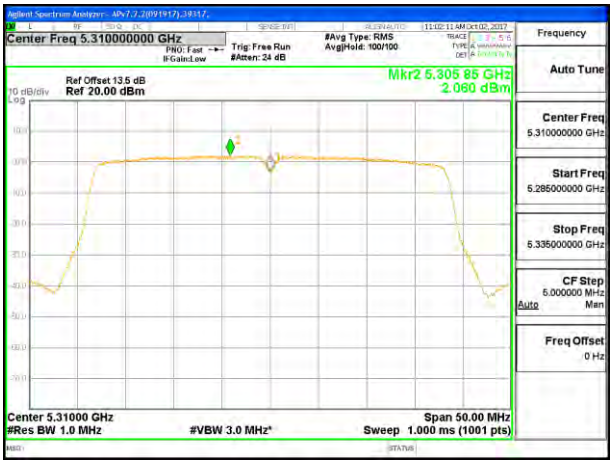


LOW CHANNEL CHAIN 0

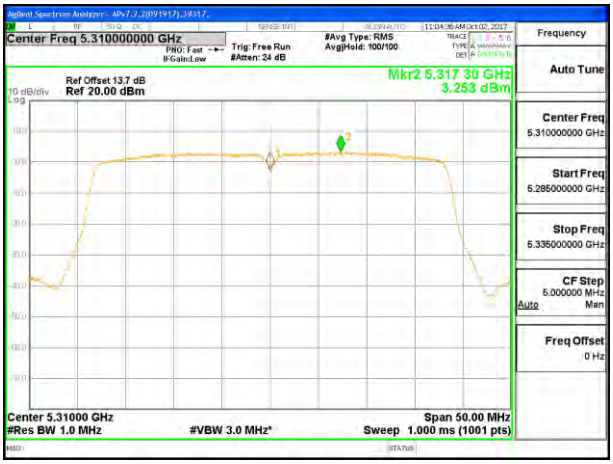


LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	84.4	5.00	24.00	11.00

Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.95	15.95	24.00	-8.05

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	2.94	3.18	11.00	-7.82

MID CHANNEL

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	84.6	4.90	24.00	11.00

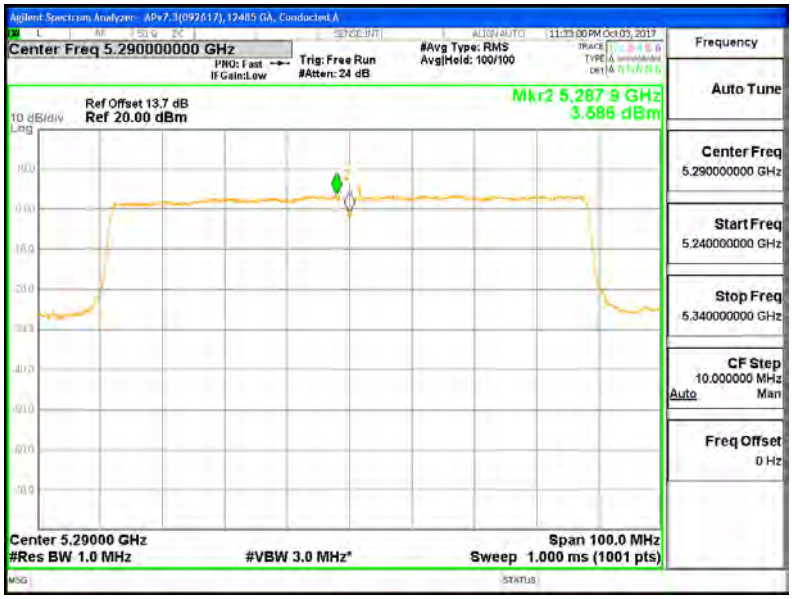
Duty Cycle CF (dB)	0.25	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	14.47	14.47	24.00	-9.53

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.59	3.84	11.00	-7.16



MID CHANNEL

2TX Chain 0 + Chain 1 CDD MODE

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	84.20	4.95	7.96	24.00	9.04

Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD

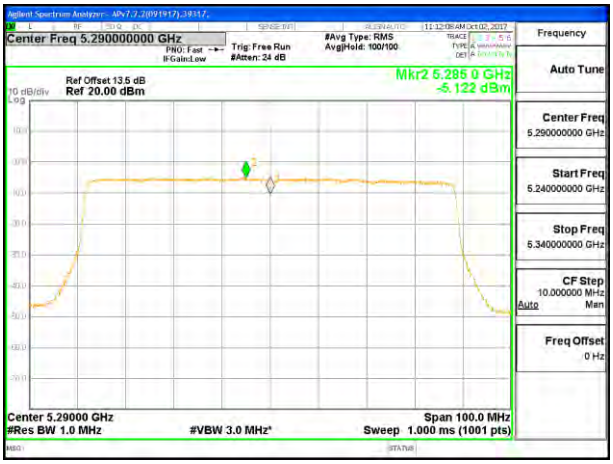
Output Power Results

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	5290	13.02	13.53	16.29	24.00	-7.71

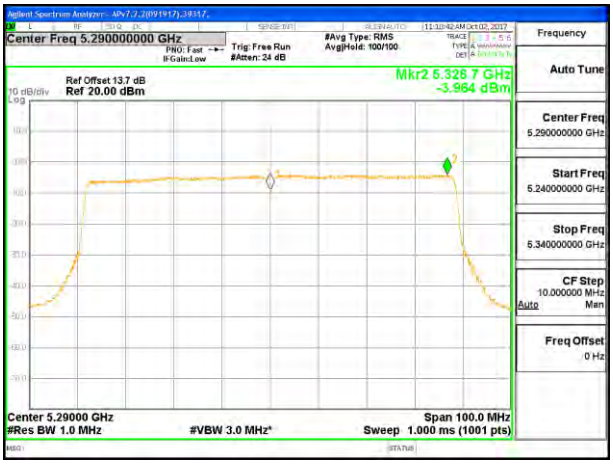
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5290	-5.12	-3.96	-1.25	9.04	-10.29

MID CHANNEL



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

8.5.9. 802.11a MODE IN THE 5.6 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.6	5.50	24.00	11.00
Mid	5580	20.7	5.50	24.00	11.00
High	5700	20.65	5.50	24.00	11.00
144	5720	15.30	5.50	22.85	11.00

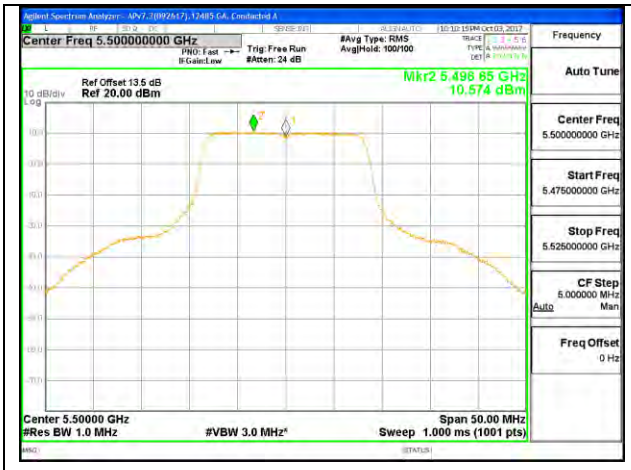
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	20.77	20.77	24.00	-3.23
Mid	5580	21.16	21.16	24.00	-2.84
High	5700	20.61	20.61	24.00	-3.39
144	5720	20.77	20.89	22.85	-1.96

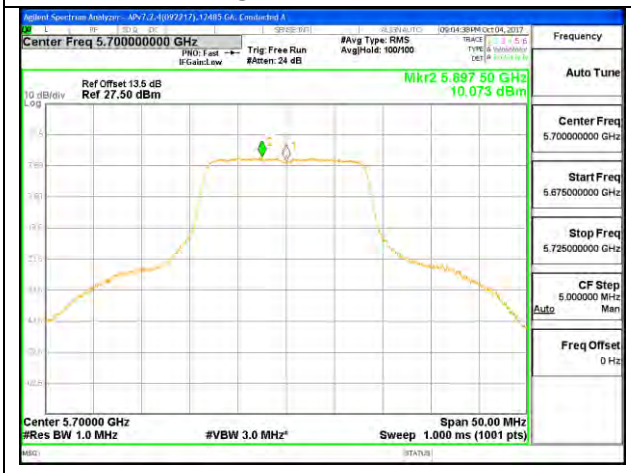
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	10.57	10.69	11.00	-0.31
Mid	5580	10.55	10.67	11.00	-0.34
High	5700	10.07	10.19	11.00	-0.81
144	5720	10.59	10.71	11.00	-0.30



LOW CHANNEL

MID CHANNEL



HIGH CHANNEL

CHANNEL 142

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.7	4.2	24.00	11.00
Mid	5580	20.6	4.2	24.00	11.00
High	5700	20.45	4.2	24.00	11.00
144	5720	15.08	4.20	22.78	11.00

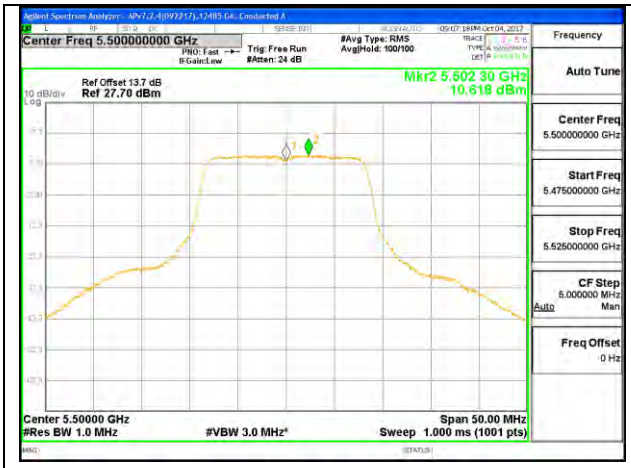
Duty Cycle CF (dB)	0.14	Included in Calculations of Corr'd PSD

Output Power Results

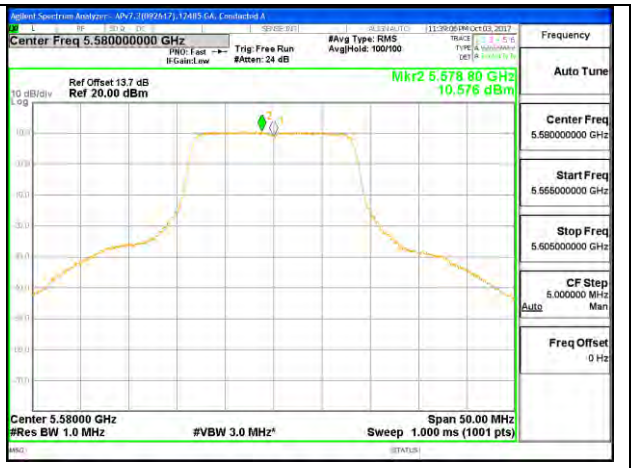
Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	20.77	20.77	24.00	-3.23
Mid	5580	21.15	21.15	24.00	-2.85
High	5700	20.92	20.92	24.00	-3.08
144	5720	20.90	21.04	22.78	-1.75

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	10.62	10.76	11.00	-0.24
Mid	5580	10.58	10.72	11.00	-0.28
High	5700	10.59	10.73	11.00	-0.27
144	5720	10.67	10.81	11.00	-0.19

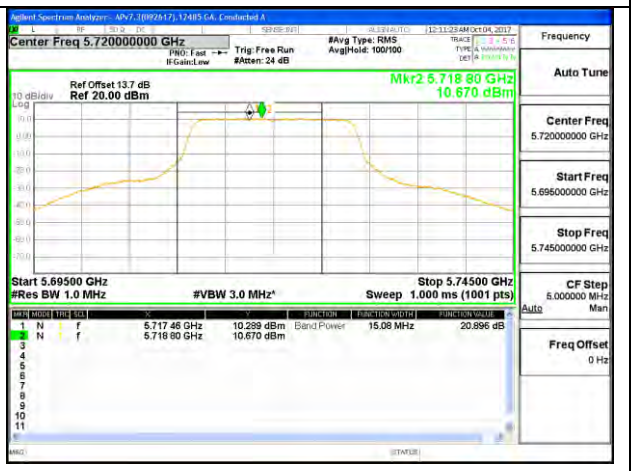


LOW CHANNEL



MID CHANNEL

HIGH CHANNEL



CHANNEL 142

8.5.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21	5.5	24.00	11.00
Mid	5580	21.05	5.5	24.00	11.00
High	5700	21.55	5.5	24.00	11.00
144	5720	15.65	5.50	22.95	11.00

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

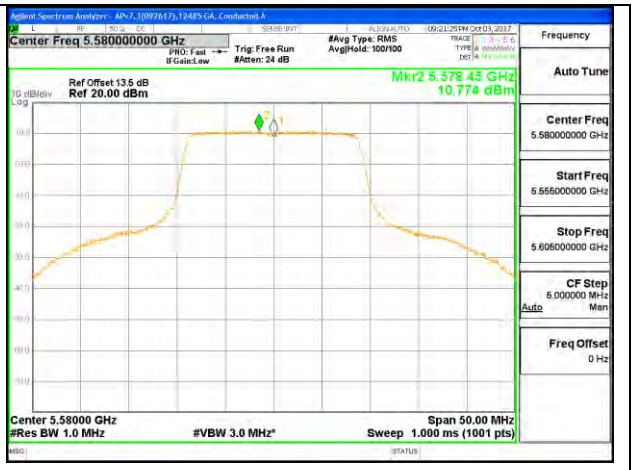
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	21.12	21.12	24.00	-2.88
Mid	5580	21.64	21.64	24.00	-2.36
High	5700	20.74	20.74	24.00	-3.26
144	5720	21.00	21.00	22.95	-1.95

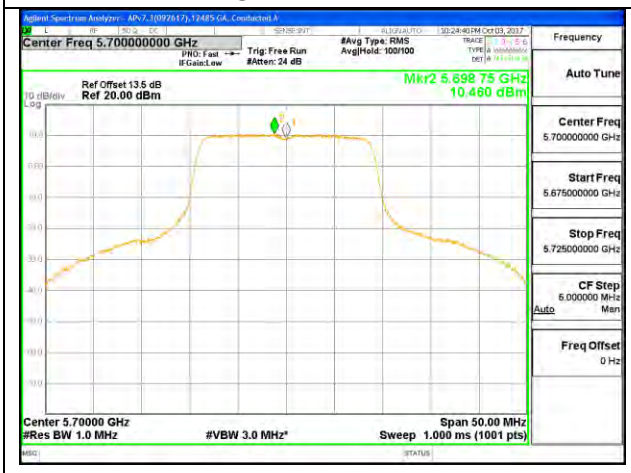
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	10.74	10.74	11.00	-0.26
Mid	5580	10.77	10.77	11.00	-0.23
High	5700	10.46	10.46	11.00	-0.54
144	5720	10.57	10.57	11.00	-0.43

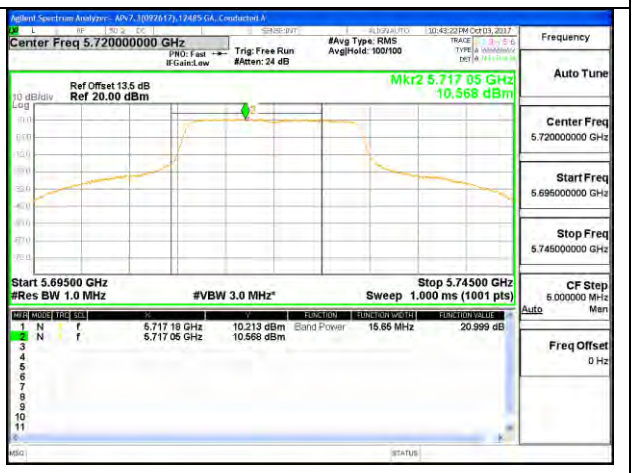
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

1TX Chain 1

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.15	4.2	24.00	11.00
Mid	5580	21.15	4.2	24.00	11.00
High	5700	21.1	4.2	24.00	11.00
144	5720	20.95	4.2	24.00	11.00

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

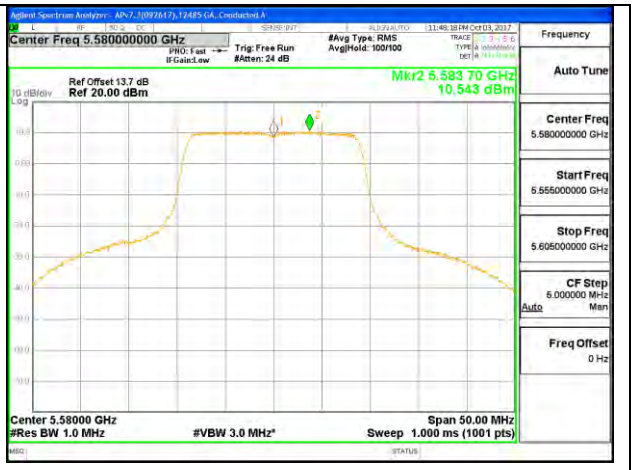
Output Power Results

Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	21.03	21.03	24.00	-2.97
Mid	5580	21.56	21.56	24.00	-2.44
High	5700	21.24	21.24	24.00	-2.76
144	5720	21.08	21.08	24.00	-2.92

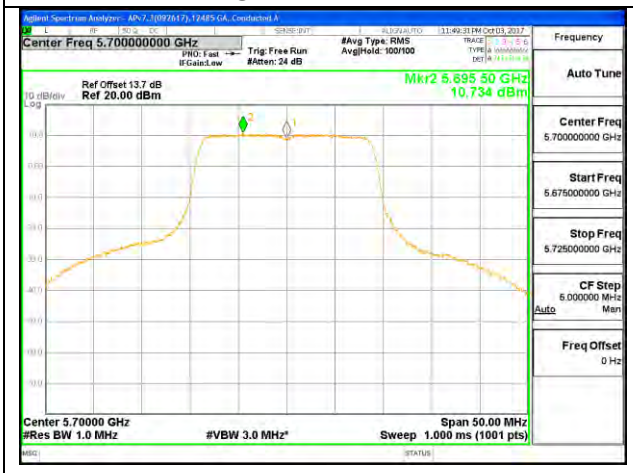
PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	10.43	10.43	11.00	-0.57
Mid	5580	10.54	10.54	11.00	-0.46
High	5700	10.73	10.73	11.00	-0.27
144	5720	10.64	10.64	11.00	-0.37

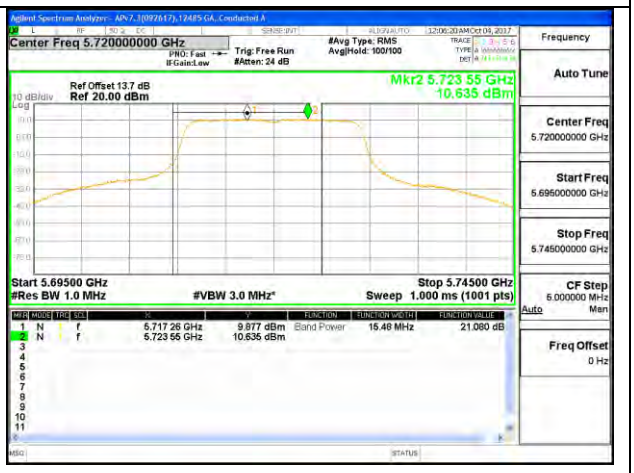
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

2TX Chain 0 + Chain 1 CDD MODE

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.75	4.90	7.88	24.00	9.12
Mid	5580	20.90	4.90	7.88	24.00	9.12
High	5700	20.75	4.90	7.88	24.00	9.12
144	5720	15.55	4.90	7.88	22.92	9.12

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

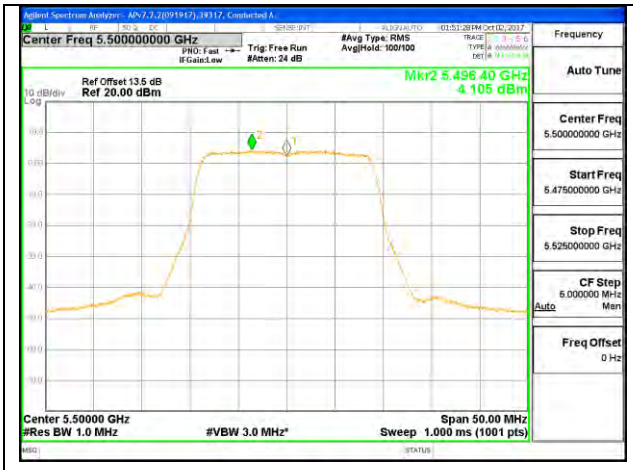
Output Power Results

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	5500	15.42	16.16	18.82	24.00	-5.18
Mid	5580	15.90	16.17	19.05	24.00	-4.95
High	5700	16.37	15.70	19.06	24.00	-4.94
144	5720	15.18	14.63	17.92	22.92	-4.99

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)	PSD Margin (dB)
Low	5500	4.11	5.57	7.91	9.12	-1.21
Mid	5580	4.39	5.09	7.76	9.12	-1.36
High	5700	5.40	4.80	8.12	9.12	-1.00
144	5720	5.00	4.32	7.69	9.12	-1.43

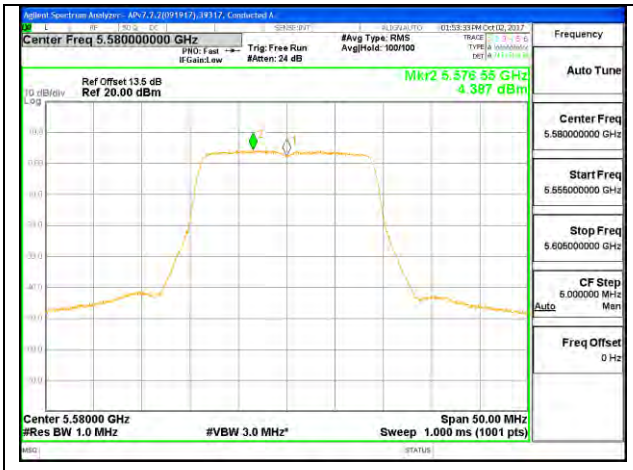
LOW CHANNEL



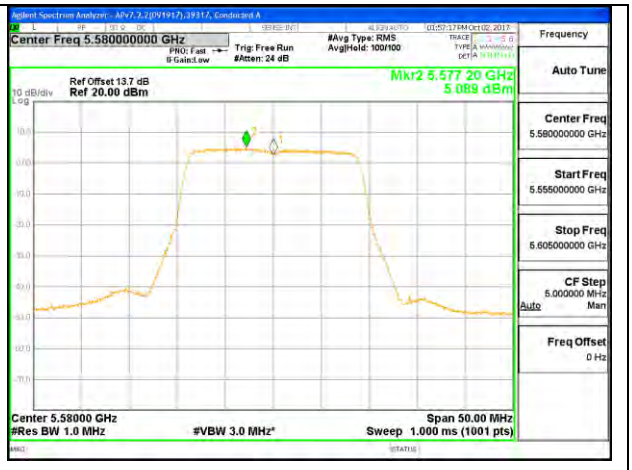
LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

MID CHANNEL



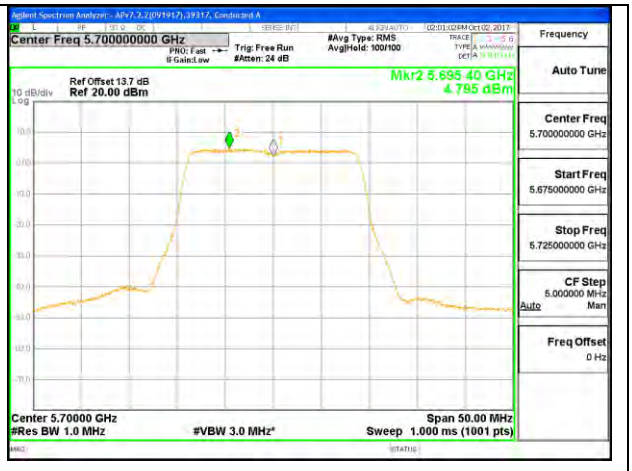
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

CHANNEL 142

CHANNEL 142 CHAIN 0

CHANNEL 142 CHAIN 1

8.5.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Chain 0

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	40.50	5.5	24.00	11.00
Mid	5550	40.40	5.5	24.00	11.00
High	5670	40.70	5.5	24.00	11.00
142	5710	35.30	5.5	24.00	11.00

Duty Cycle CF (dB)	0.17	Included in Calculations of Corr'd PSD

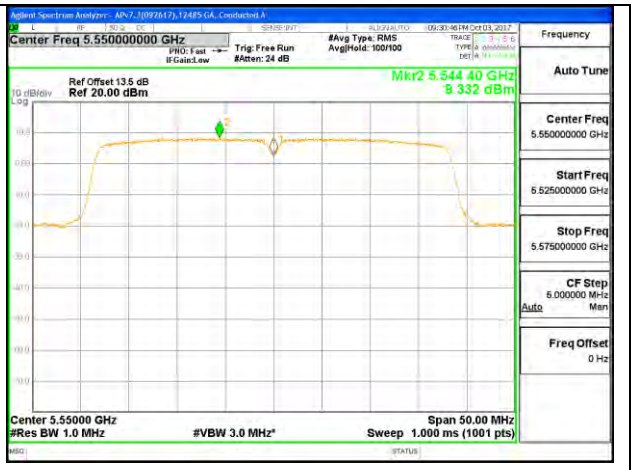
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	17.75	17.75	24.00	-6.25
Mid	5550	22.17	22.17	24.00	-1.83
High	5670	23.17	23.17	24.00	-0.83
142	5710	23.53	23.70	24.00	-0.30

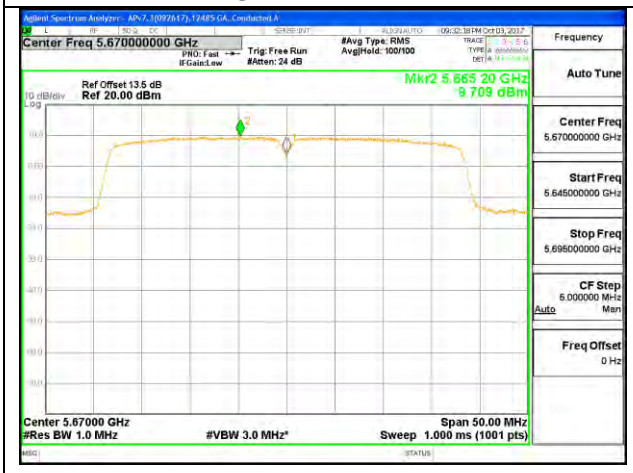
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	8.42	8.59	11.00	-2.41
Mid	5550	8.33	8.50	11.00	-2.50
High	5670	9.71	9.88	11.00	-1.12
142	5710	9.86	10.03	11.00	-0.97

LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

CHANNEL 142