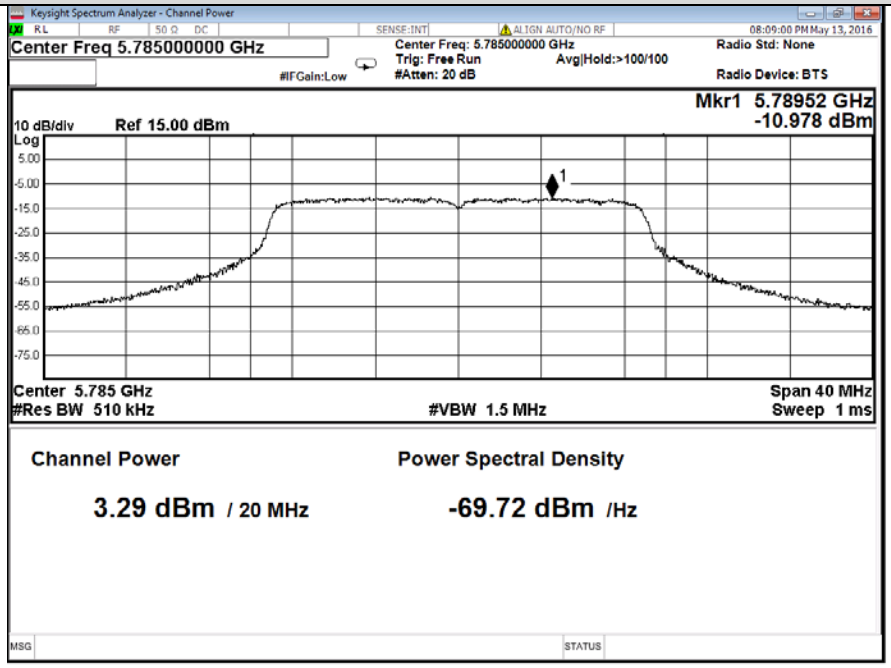
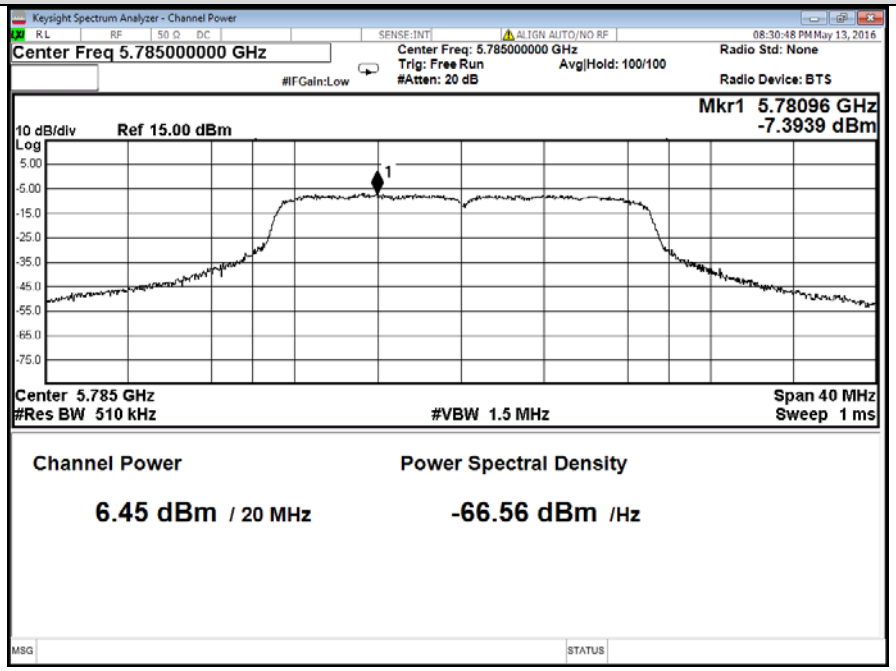
Test Mode: 802.11n(HT20)_5785MHz

Chain 0



Chain 1



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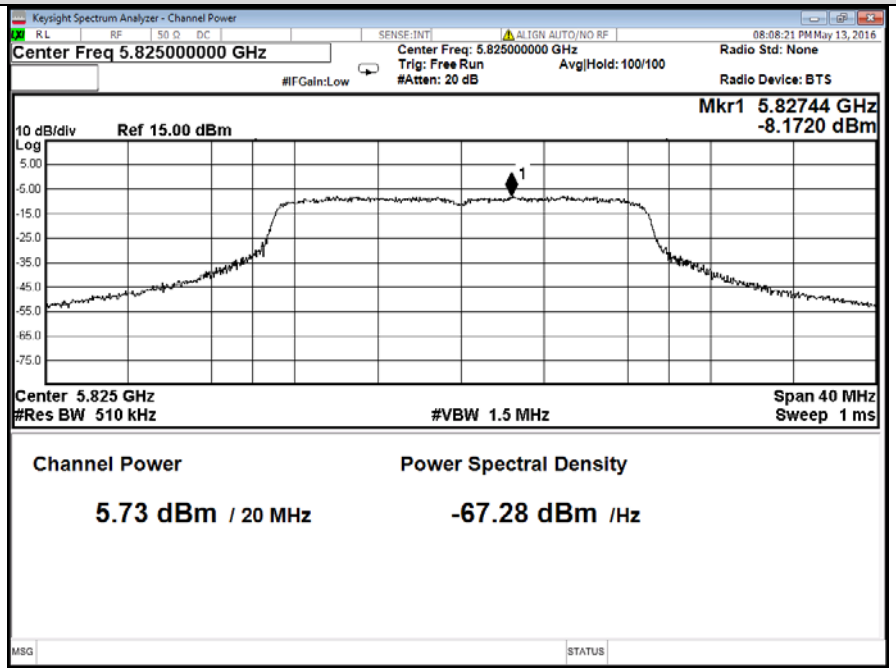
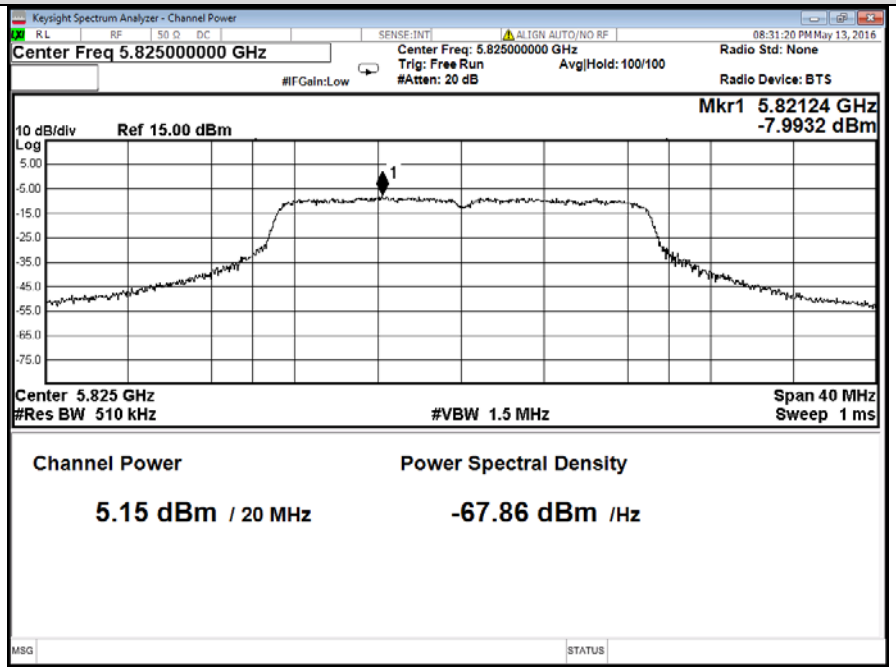
Test Mode: 802.11n(HT20)_5825MHz

Chain 0



Chain 1



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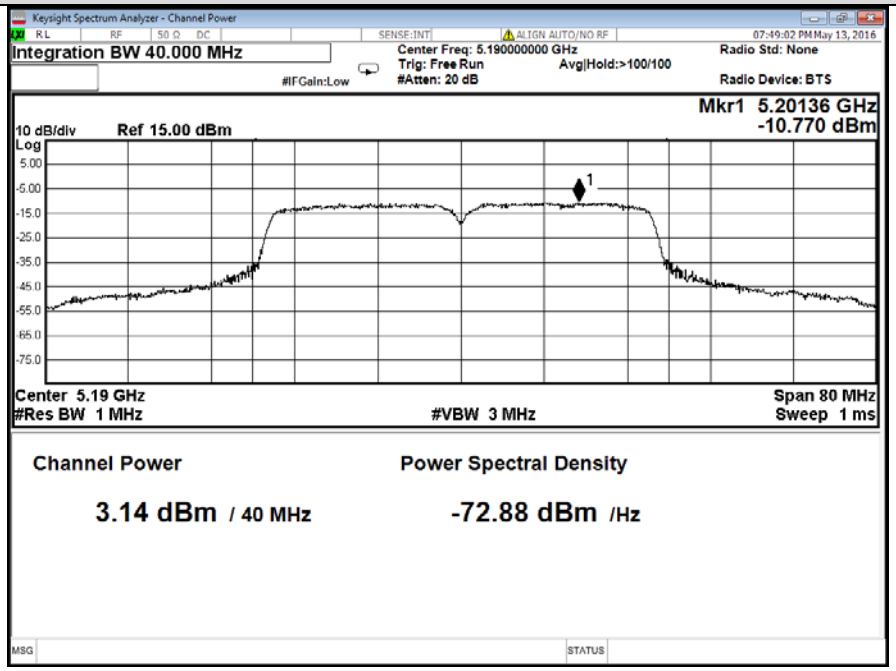
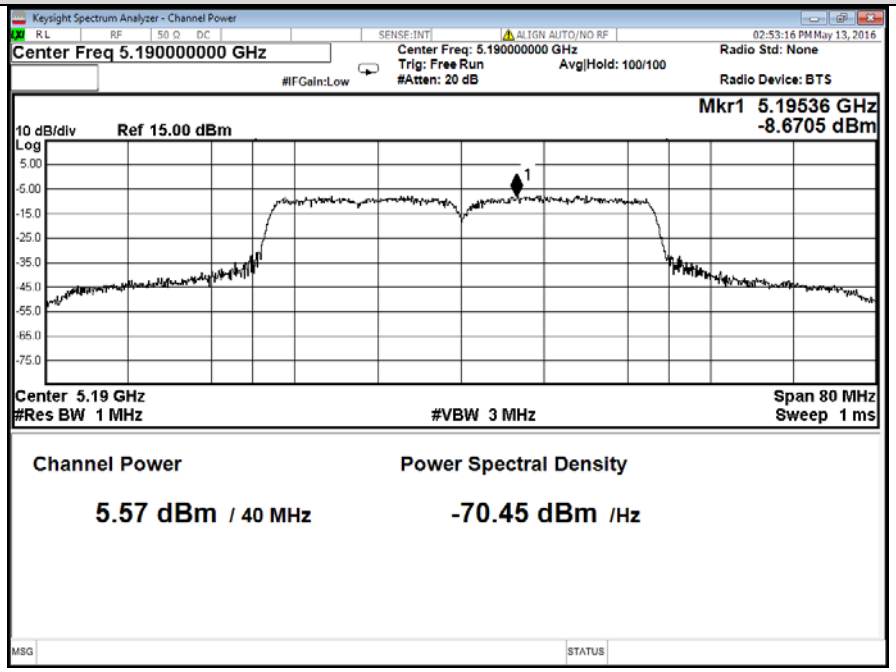
Test Mode: 802.11n(HT40)_5190MHz

Chain 0



Chain 1



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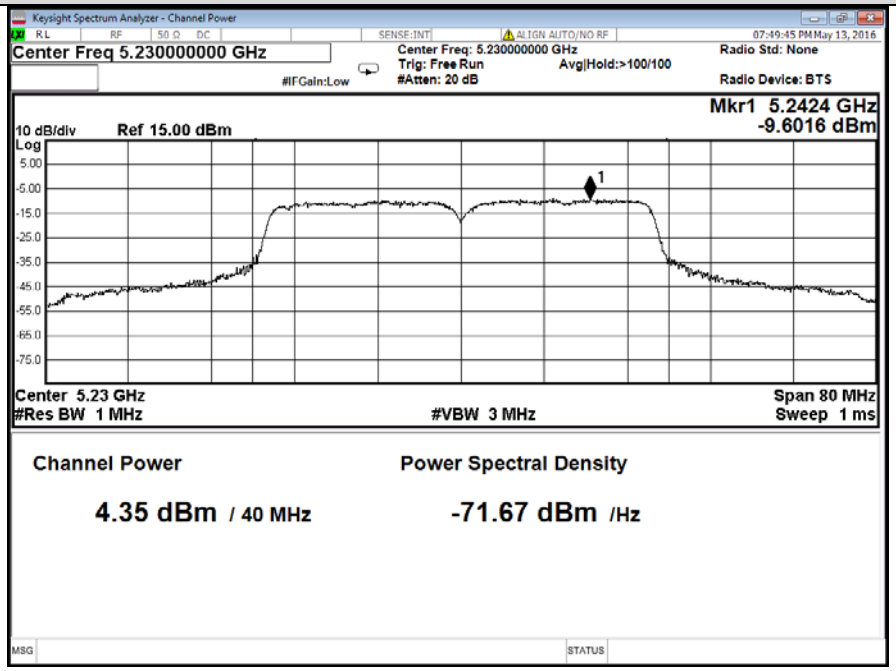
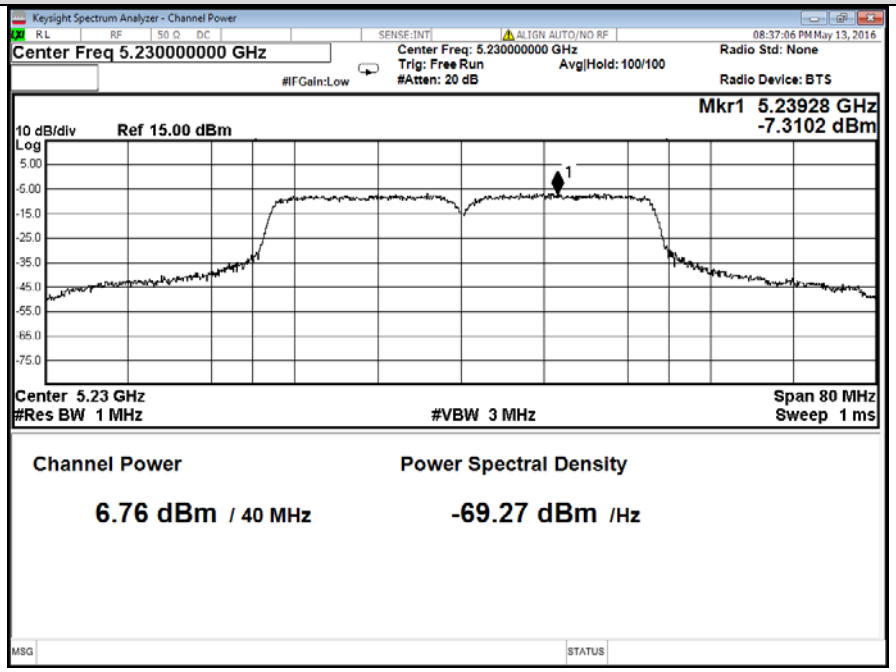
Test Mode: 802.11n(HT40)_5230MHz

Chain 0



Chain 1



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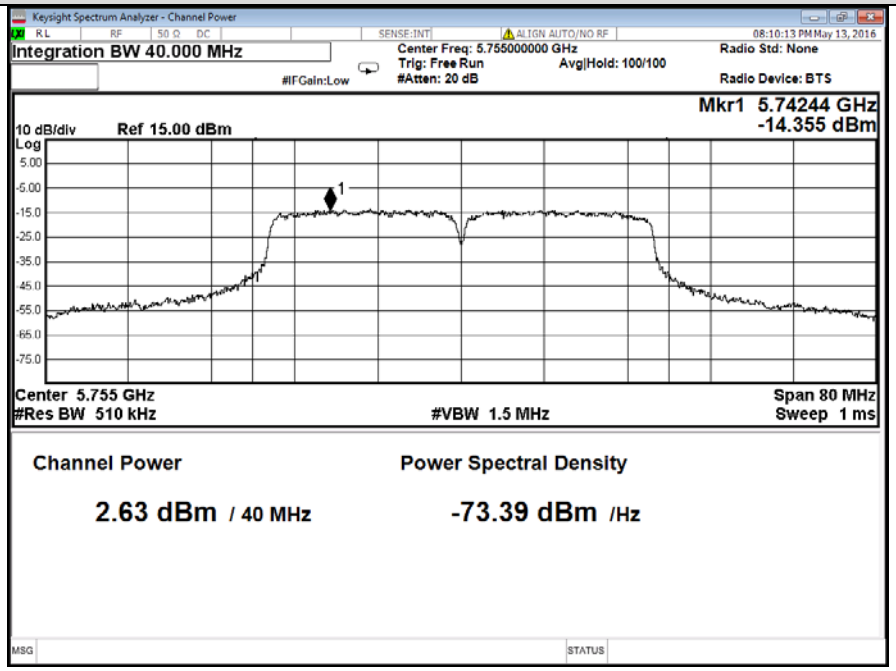
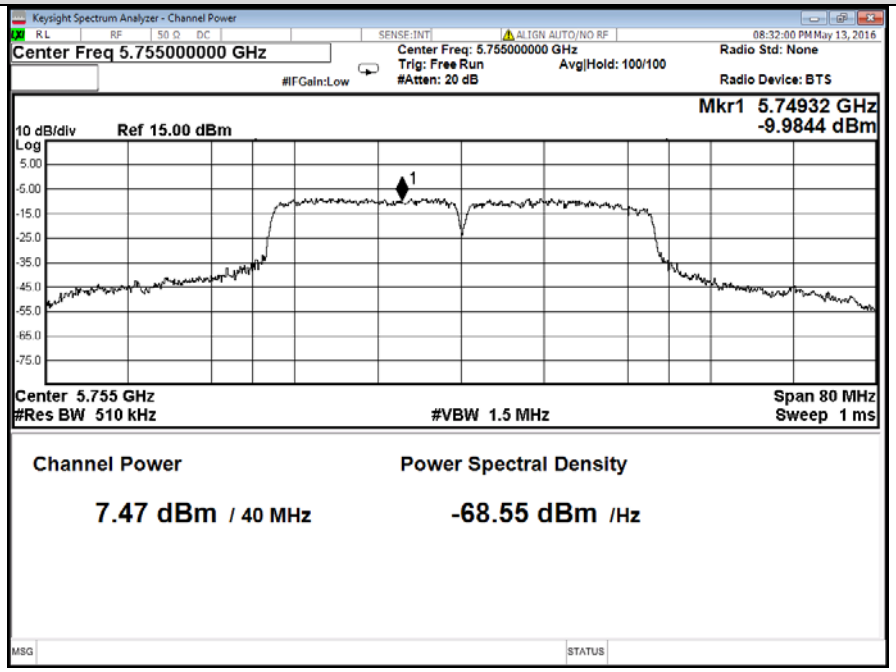
Test Mode: 802.11n(HT40)_5755MHz

Chain 0



Chain 1



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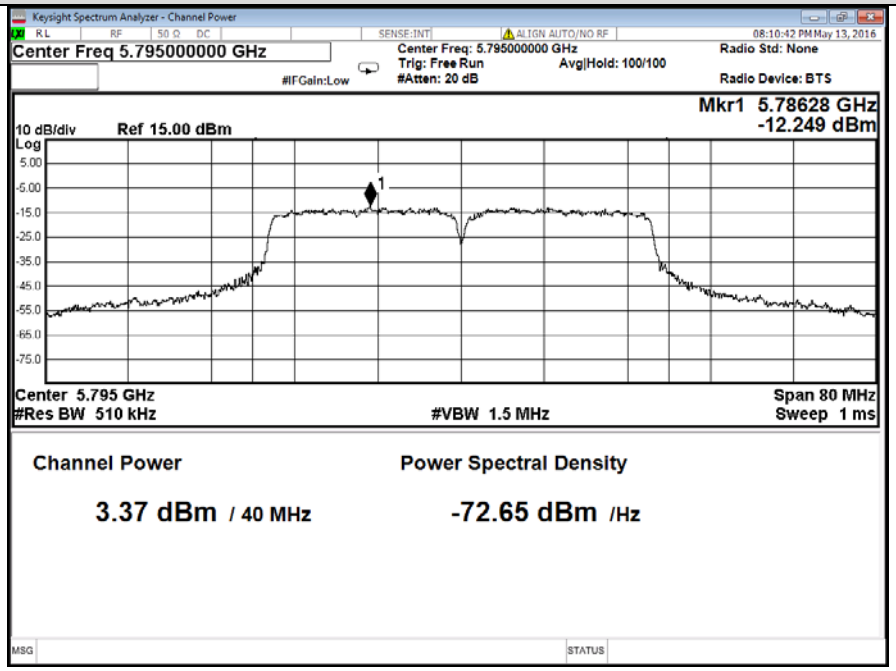
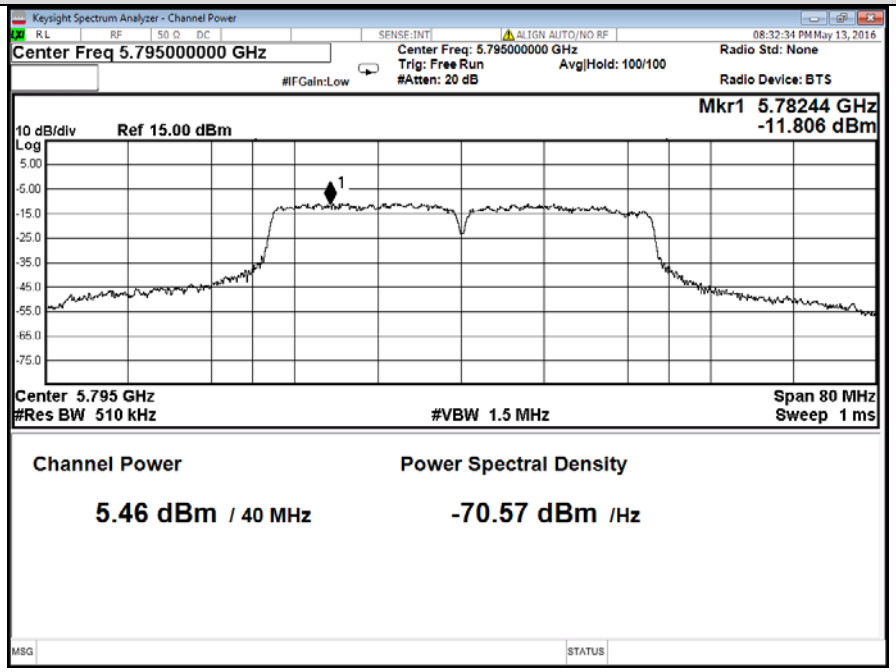
Test Mode: 802.11n(HT40)_5795MHz

Chain 0



Chain 1



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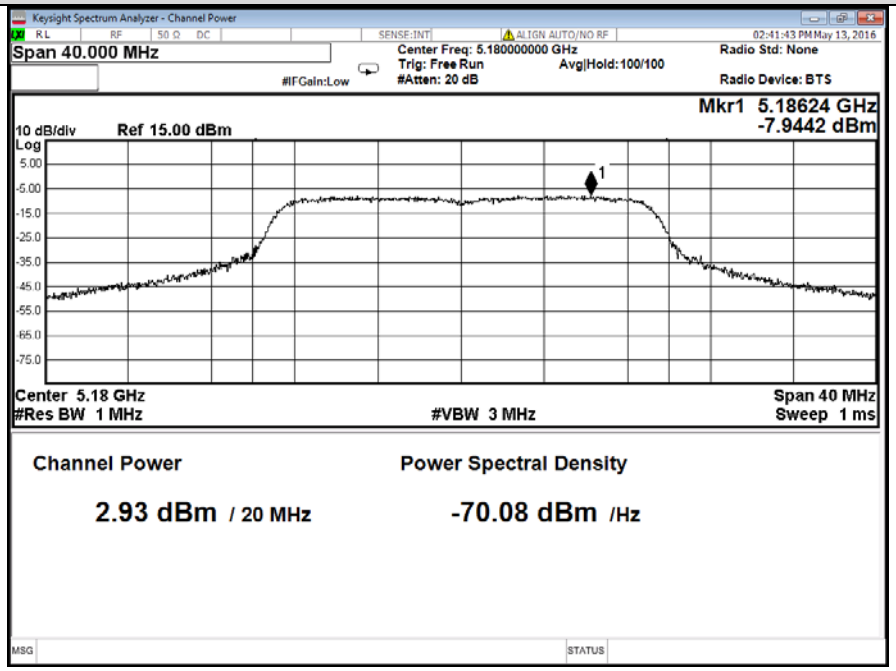
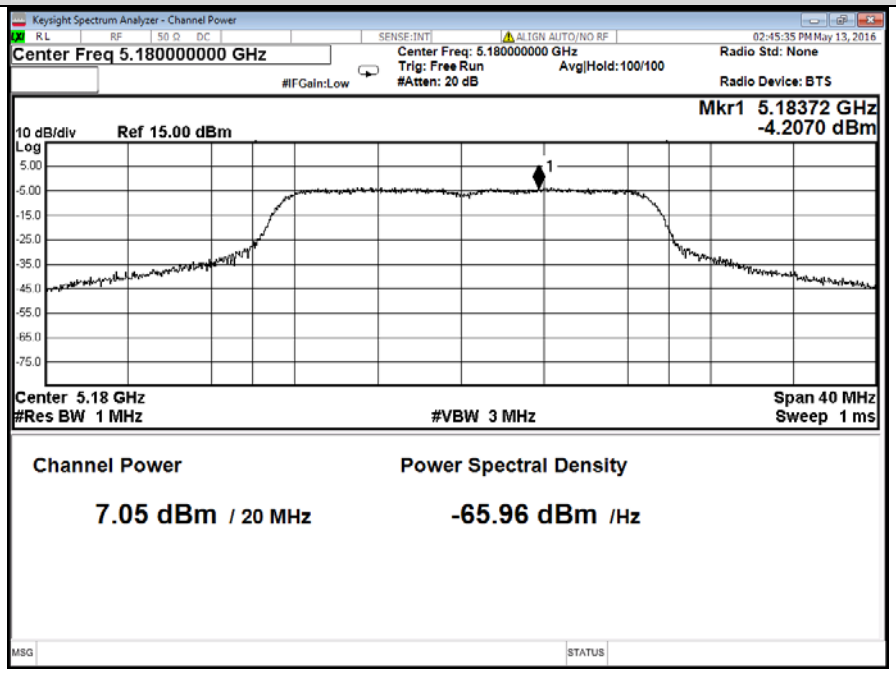
MIMO Mode-Test Data

Test Mode: 802.11n(HT20)_5180MHz
Chain 0

Chain 1


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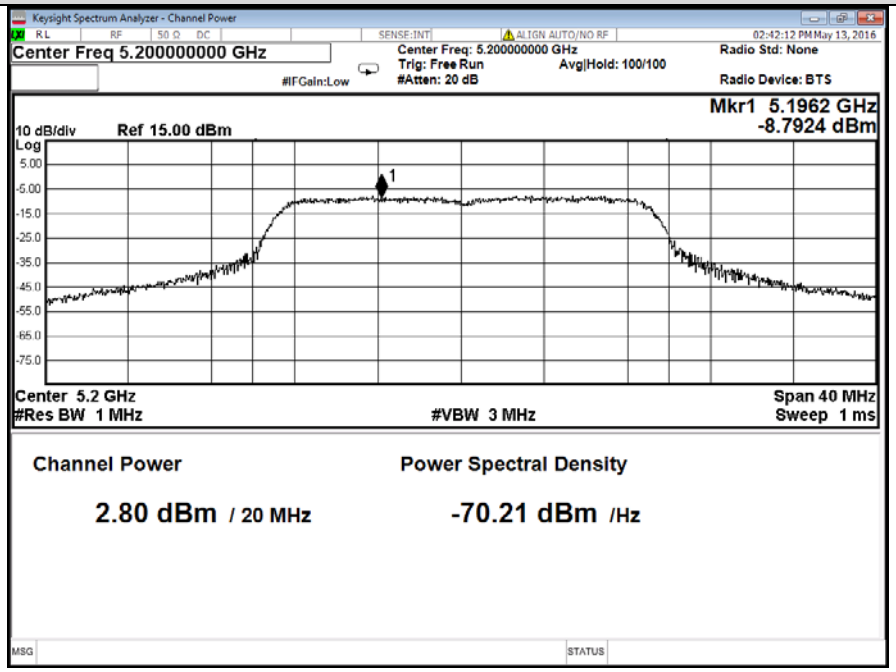
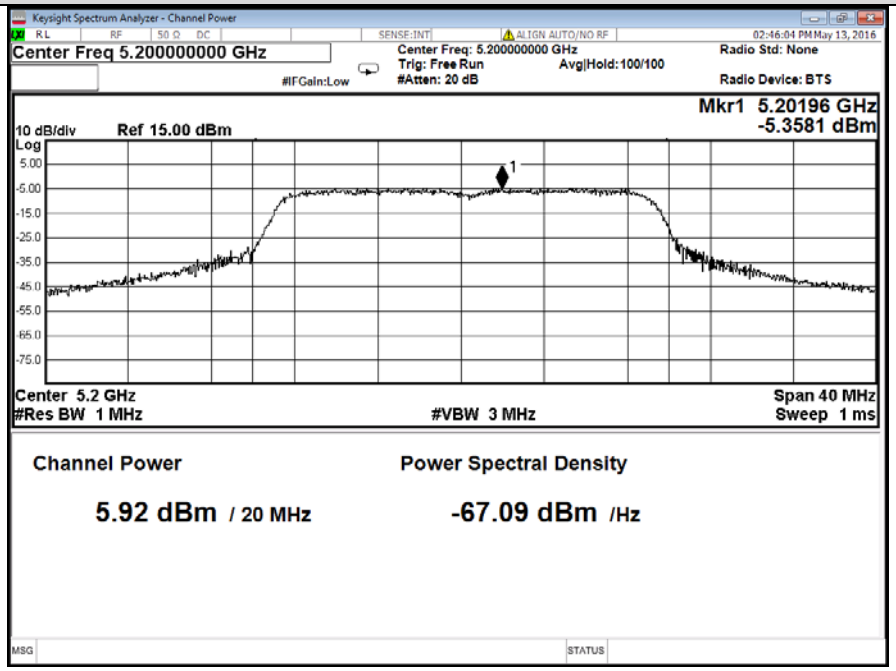
Test Mode: 802.11n(HT20)_5200MHz

Chain 0



Chain 1



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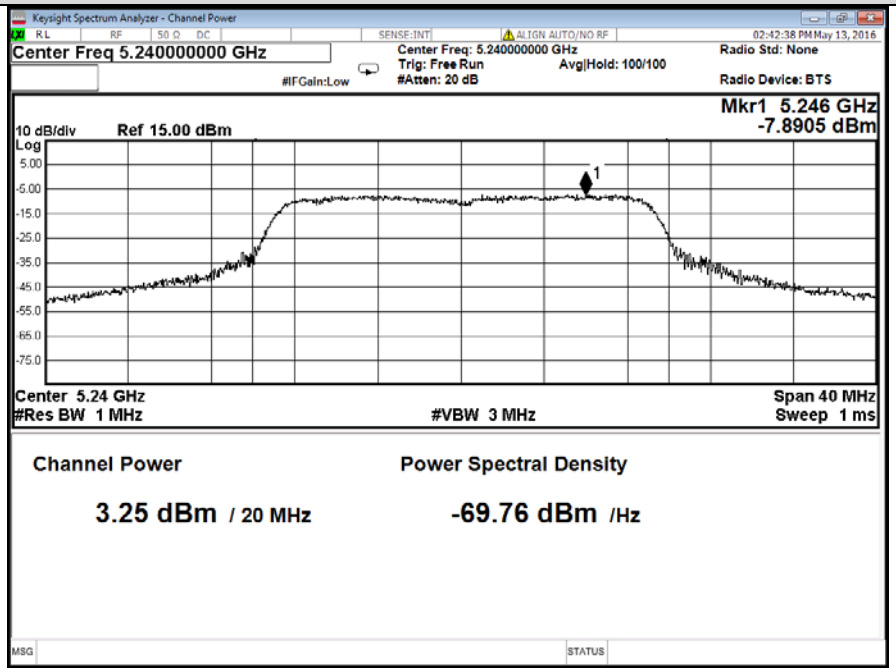
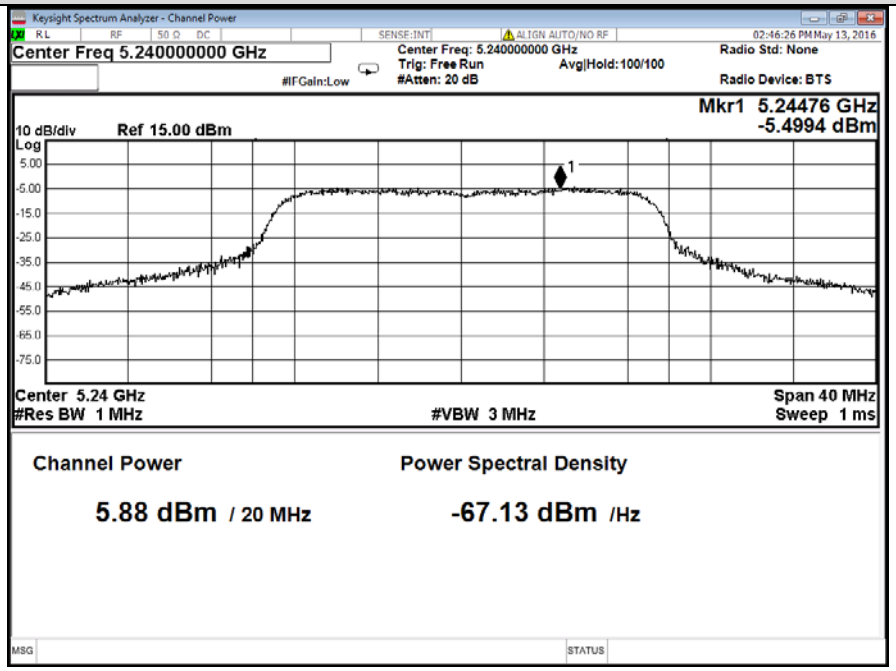
Test Mode: 802.11n(HT20)_5240MHz

Chain 0



Chain 1



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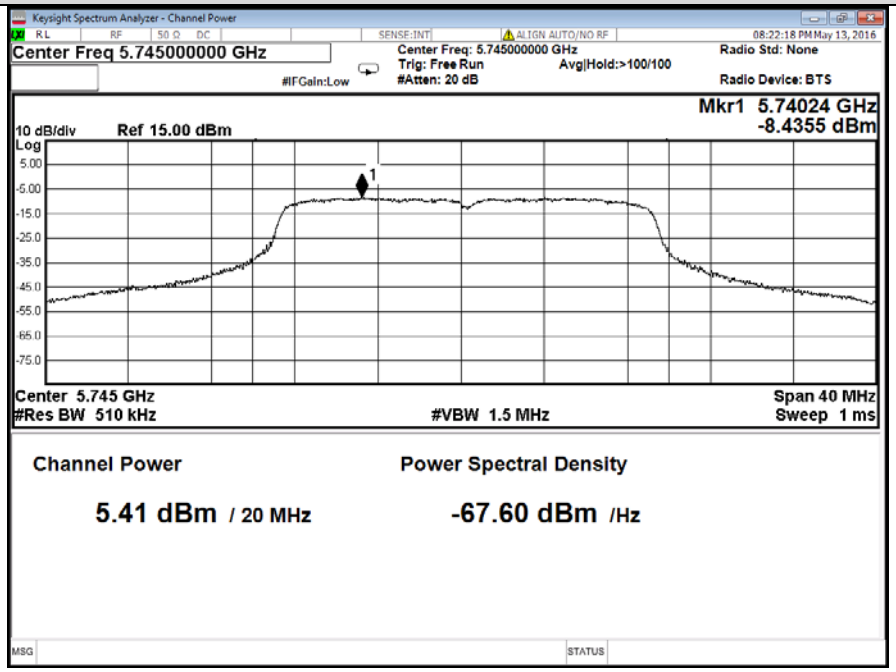
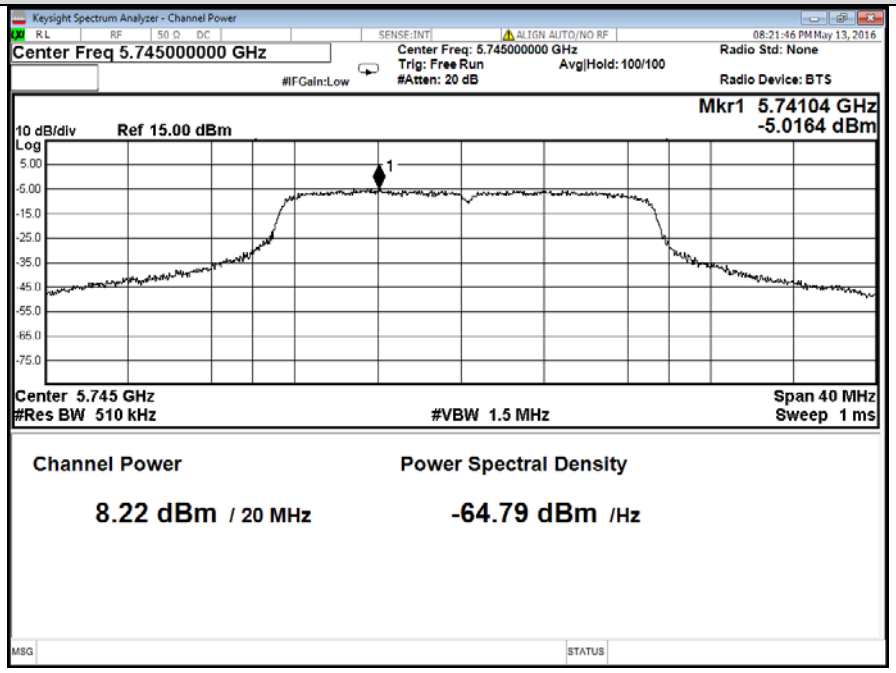
Test Mode: 802.11n(HT20)_5745MHz

Chain 0



Chain 1



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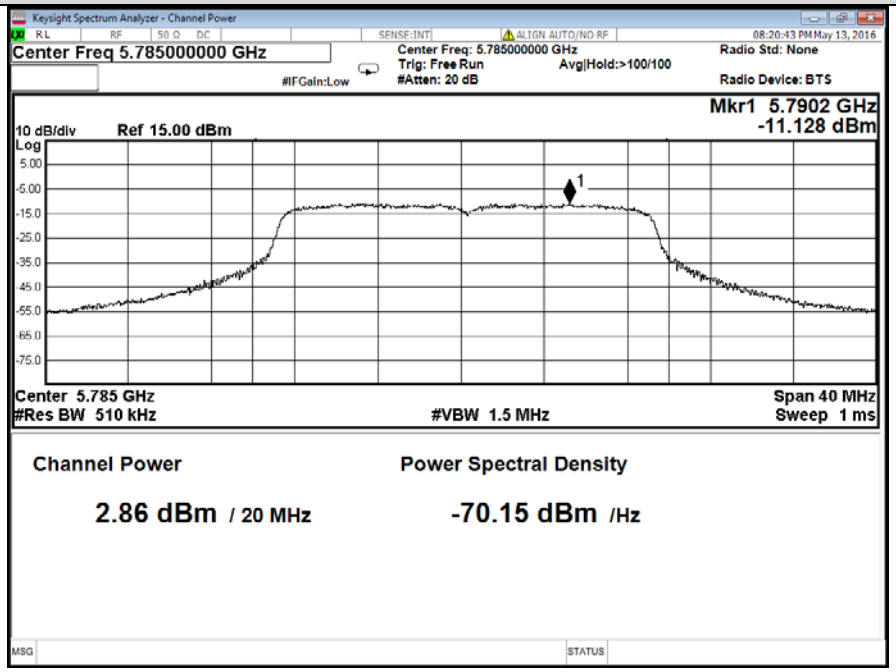
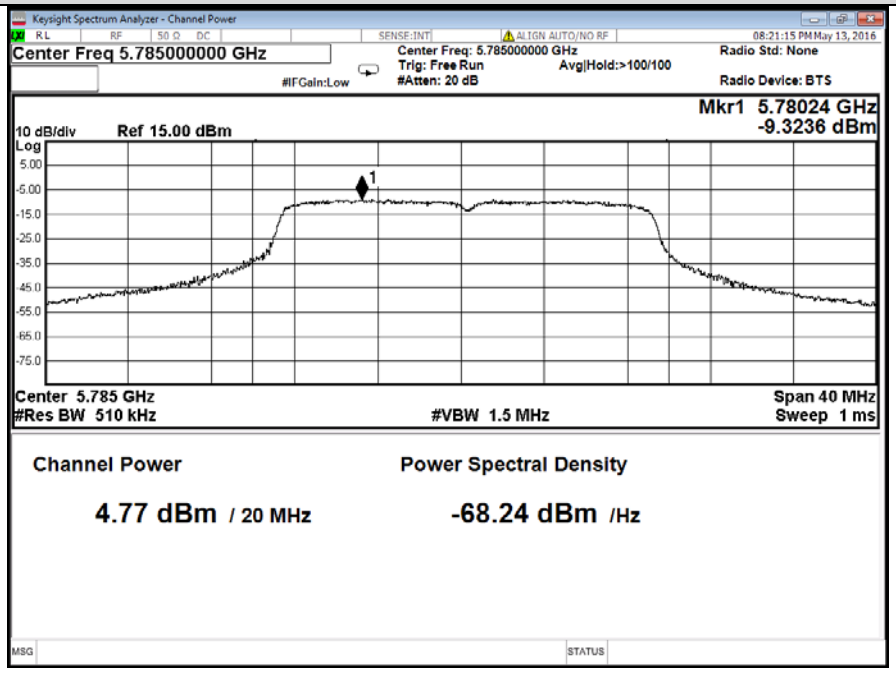
Test Mode: 802.11n(HT20)_5785MHz

Chain 0



Chain 1



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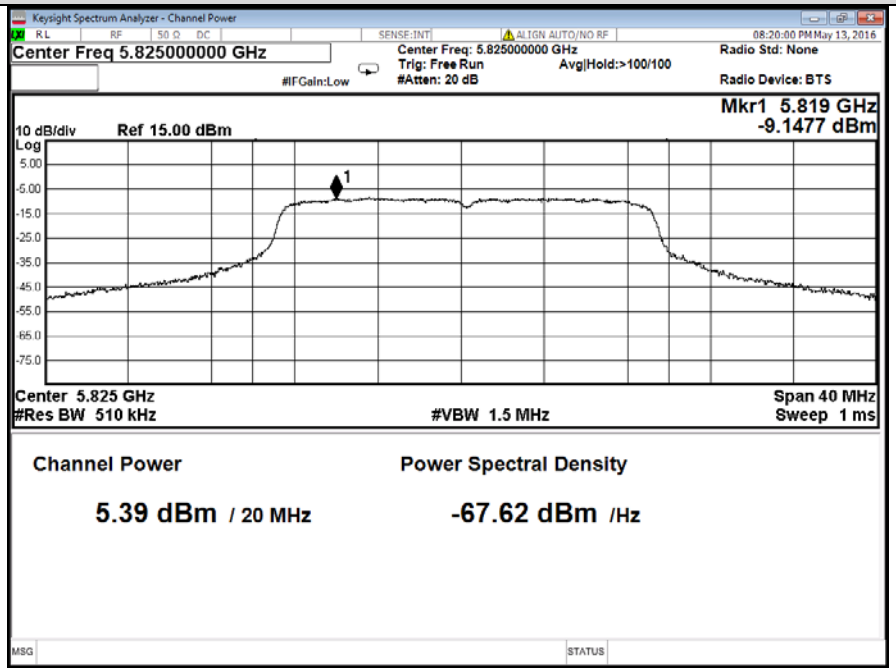
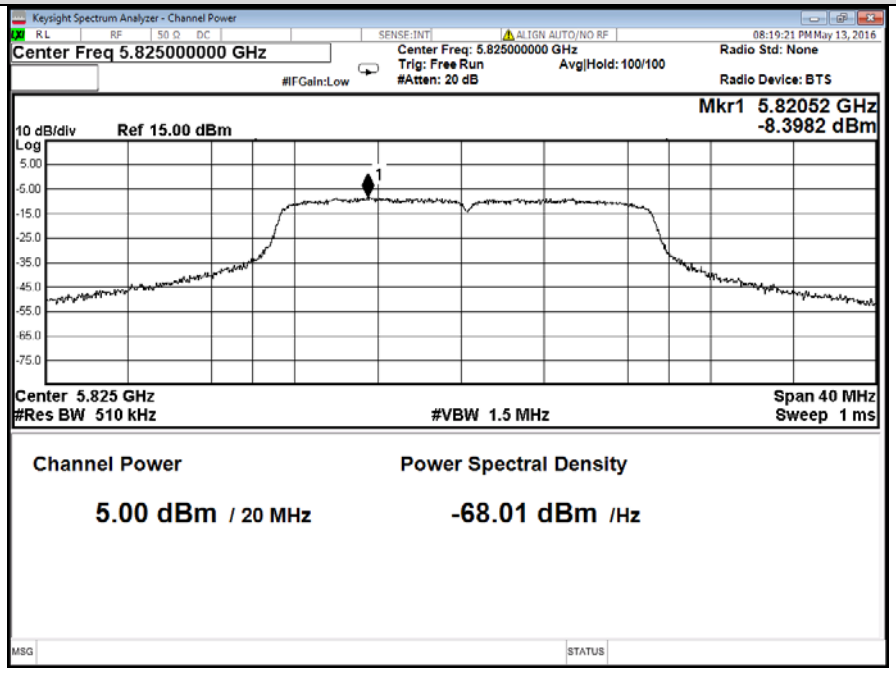
Test Mode: 802.11n(HT20)_5825MHz

Chain 0



Chain 1



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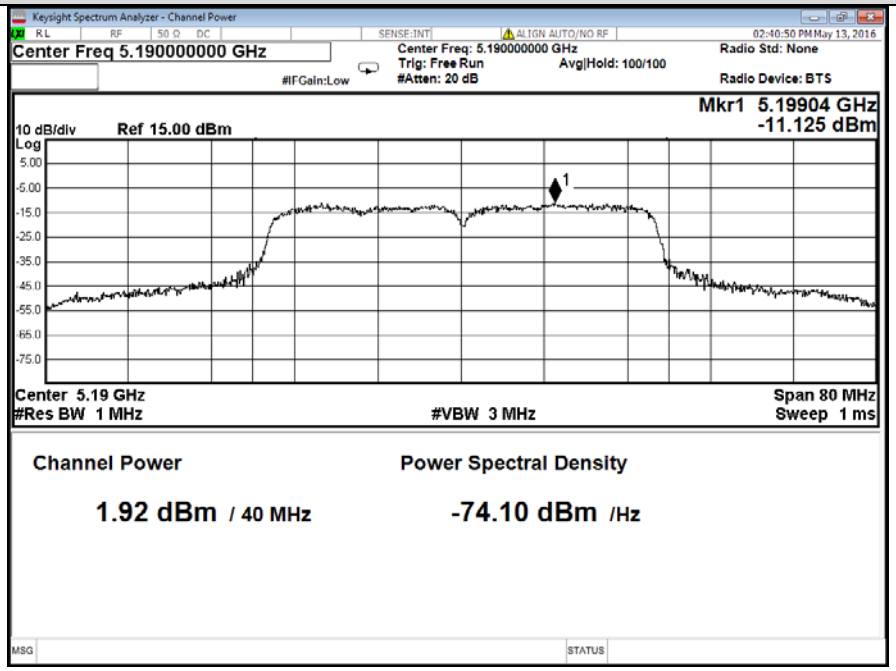
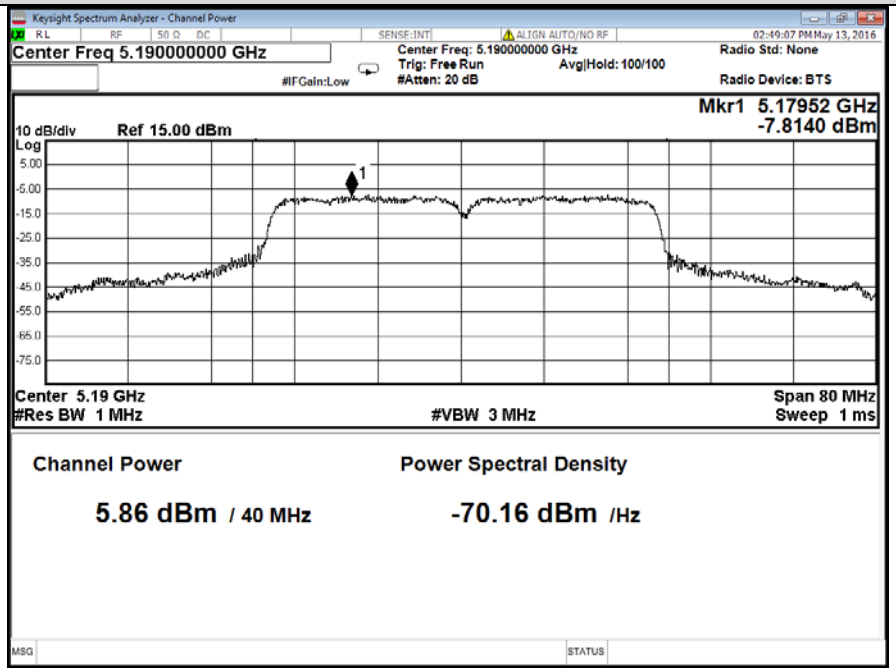
Test Mode: 802.11n(HT40)_5190MHz

Chain 0



Chain 1



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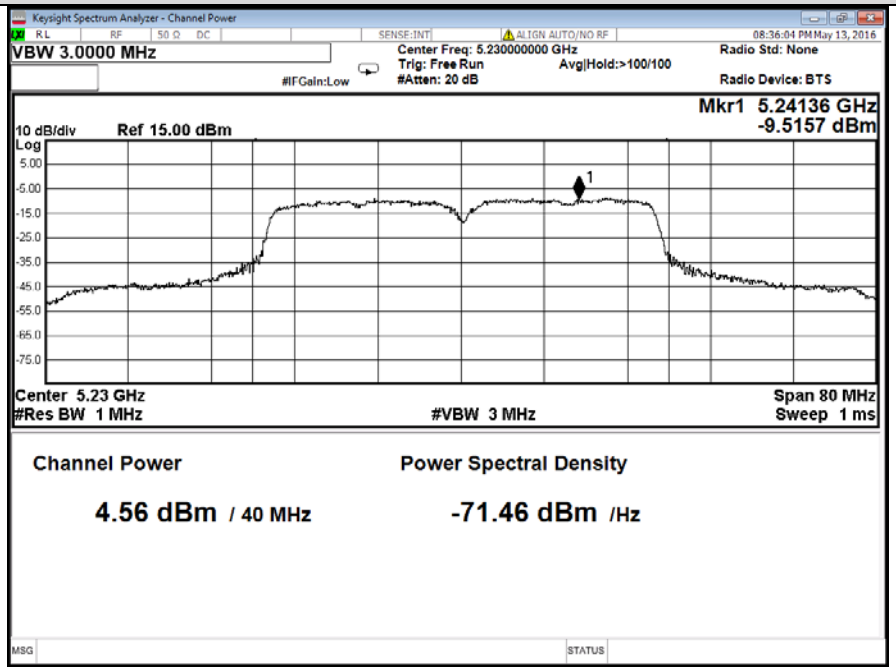
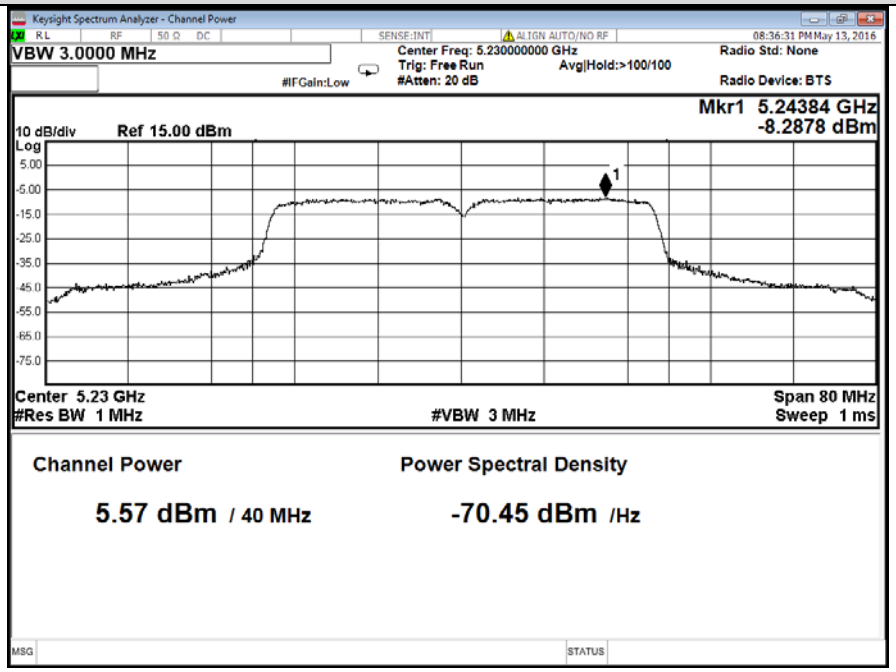
Test Mode: 802.11n(HT40)_5230MHz

Chain 0



Chain 1



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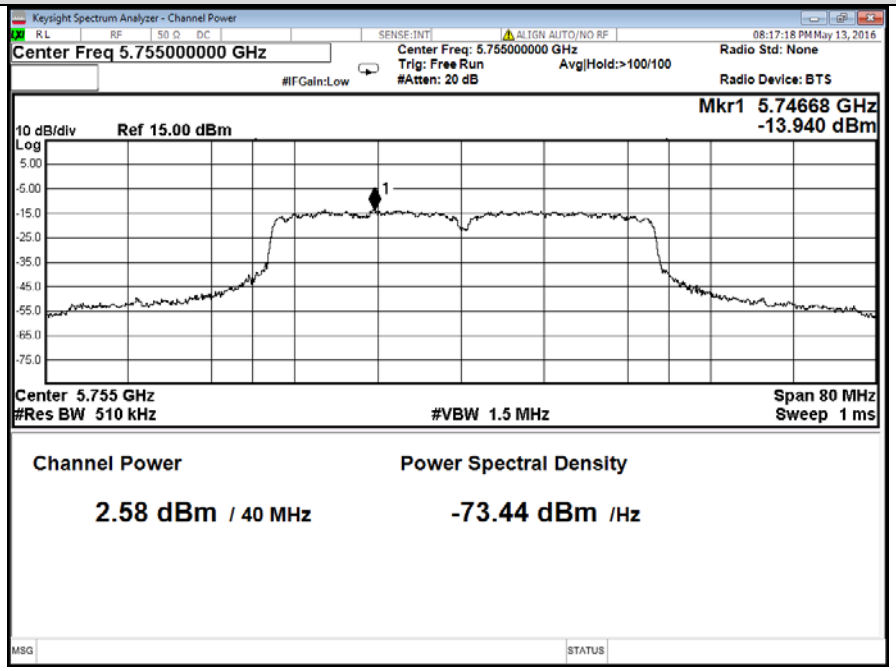
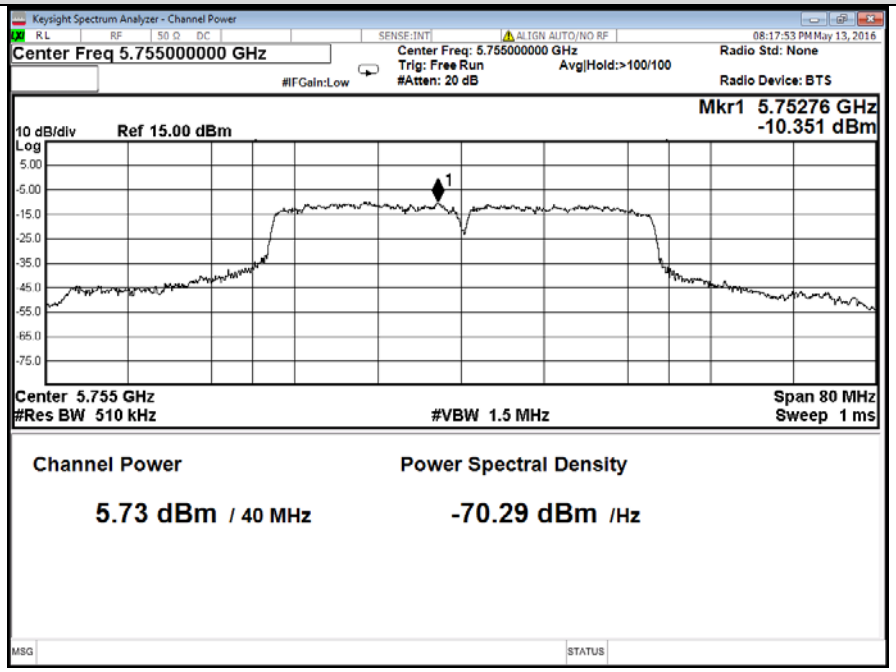
Test Mode: 802.11n(HT40)_5755MHz

Chain 0



Chain 1



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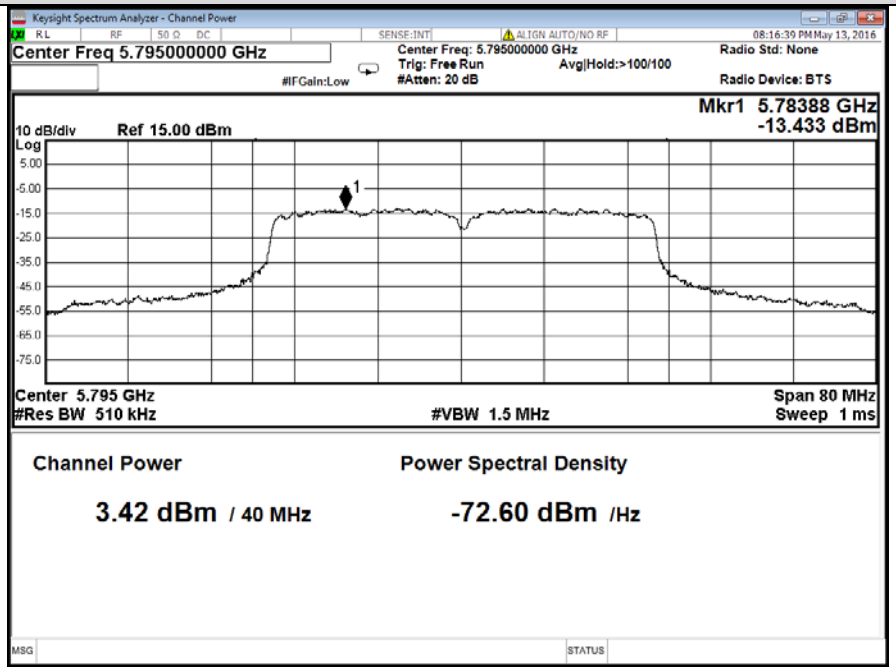
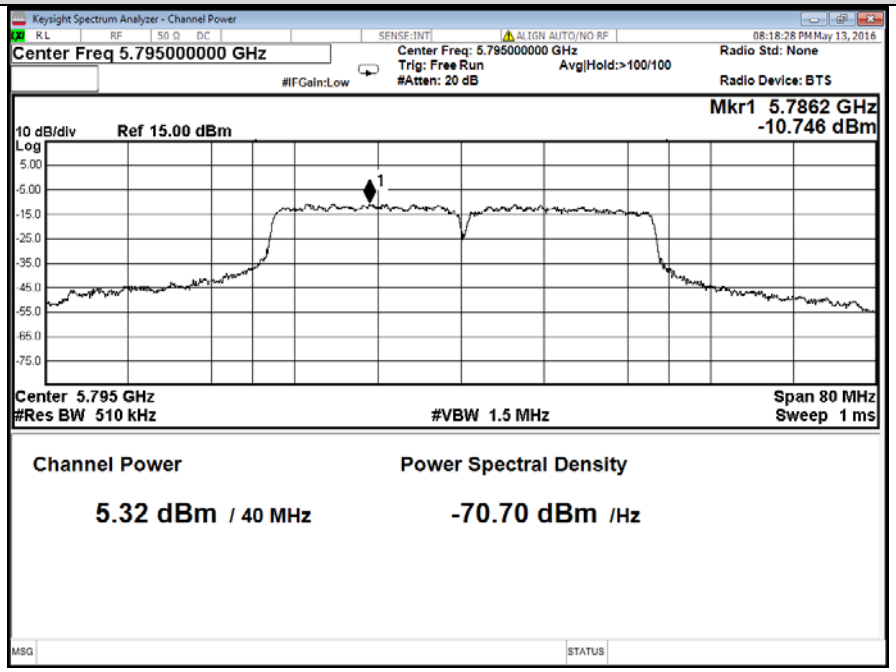
Test Mode: 802.11n(HT40)_5795MHz

Chain 0



Chain 1



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6.4 6 dB Bandwidth

6 dB Bandwidth was performed by coupling the output of the EUT to the input of a spectrum analyzer.

6.4.1 Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

6.4.2 Test Procedure (789033 D02 v01r02 Section C.2)

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ⩾ 3 RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.4.3 Test Data

The EUT complied with the FCC Part 15.407 6 dB bandwidth requirements.

Table 9 provides the test results for Occupied bandwidth. (all the data attached was use the worst case data rate)

6.4.4 Areas of Concern

None.

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Table 9: 6 dB Bandwidth

SISO Mode-Test Data

Mode	Channel Frequency (MHz)	Antenna Port	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limit	Result (Pass / Fail)
802.11a	149 (5745)	Chain 0	16.49	16.487	> 500 kHz	Pass
		Chain 1	16.53	16.440	> 500 kHz	Pass
	157 (5785)	Chain 0	16.47	16.371	> 500 kHz	Pass
		Chain 1	16.52	16.427	> 500 kHz	Pass
	165 (5825)	Chain 0	16.50	16.402	> 500 kHz	Pass
		Chain 1	16.48	16.404	> 500 kHz	Pass
802.11n (HT20)	149 (5745)	Chain 0	17.71	17.626	> 500 kHz	Pass
		Chain 1	17.37	17.562	> 500 kHz	Pass
	157 (5785)	Chain 0	17.65	17.571	> 500 kHz	Pass
		Chain 1	17.63	17.600	> 500 kHz	Pass
	165 (5825)	Chain 0	17.37	17.597	> 500 kHz	Pass
		Chain 1	17.60	17.629	> 500 kHz	Pass
802.11n (HT40)	151 (5755)	Chain 0	35.82	36.125	> 500 kHz	Pass
		Chain 1	33.89	35.953	> 500 kHz	Pass
	159 (5795)	Chain 0	36.36	36.066	> 500 kHz	Pass
		Chain 1	35.25	35.920	> 500 kHz	Pass

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MIMO Mode-Test Data

Mode	Channel Frequency (MHz)	Antenna Port	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limit	Result (Pass / Fail)
802.11n (HT20)	149 (5745)	Chain 0	17.63	17.541	> 500 kHz	Pass
		Chain 1	17.74	17.633	> 500 kHz	Pass
	157 (5785)	Chain 0	17.63	17.557	> 500 kHz	Pass
		Chain 1	17.60	17.585	> 500 kHz	Pass
	165 (5825)	Chain 0	17.32	17.581	> 500 kHz	Pass
		Chain 1	17.61	17.584	> 500 kHz	Pass
802.11n (HT40)	151 (5755)	Chain 0	35.78	36.050	> 500 kHz	Pass
		Chain 1	35.22	35.976	> 500 kHz	Pass
	159 (5795)	Chain 0	35.16	35.867	> 500 kHz	Pass
		Chain 1	34.56	35.994	> 500 kHz	Pass

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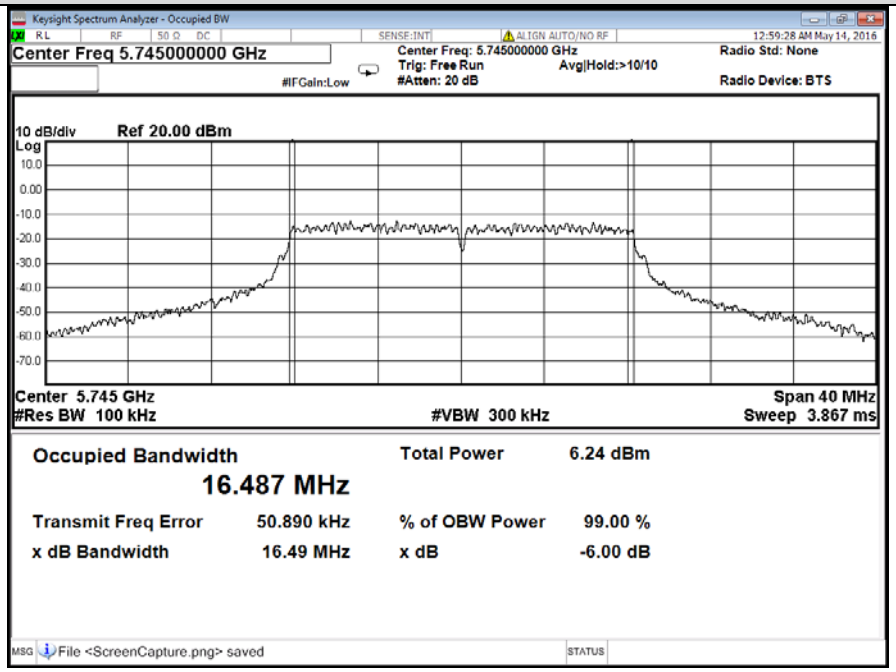
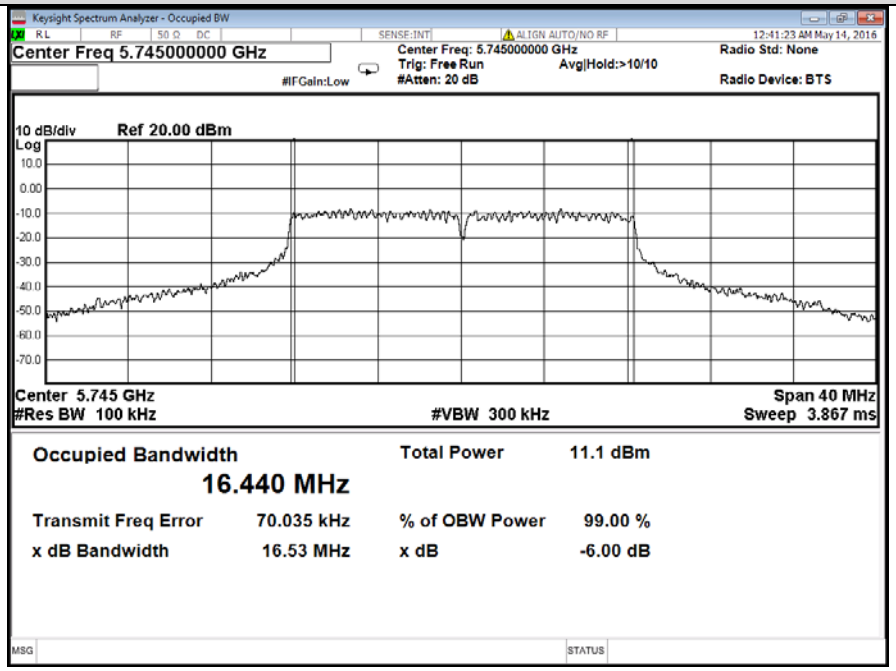
SISO Mode-Test Data

Test Mode: 802.11a_5745MHz

Chain 0



Chain 1



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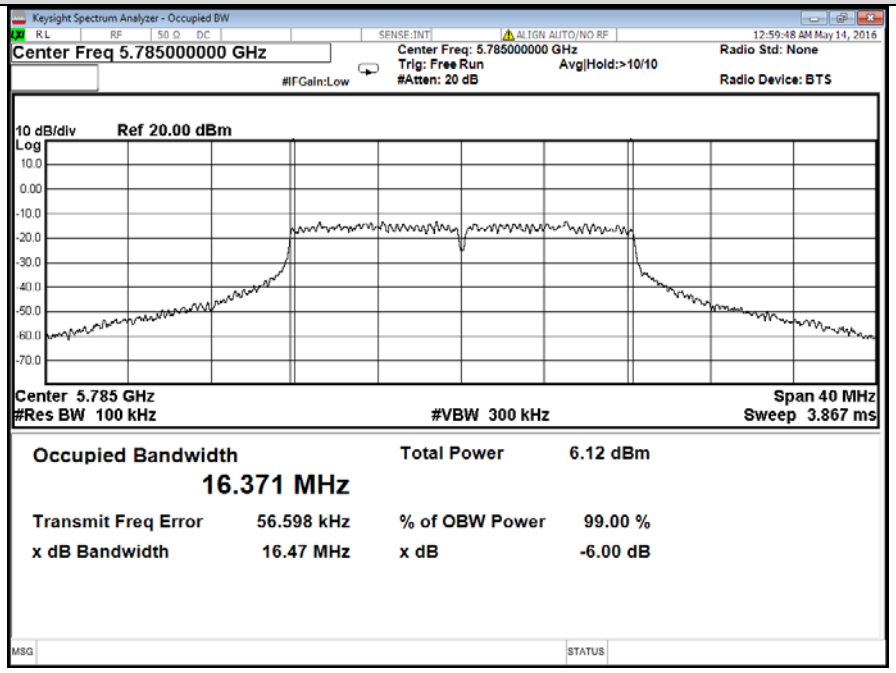
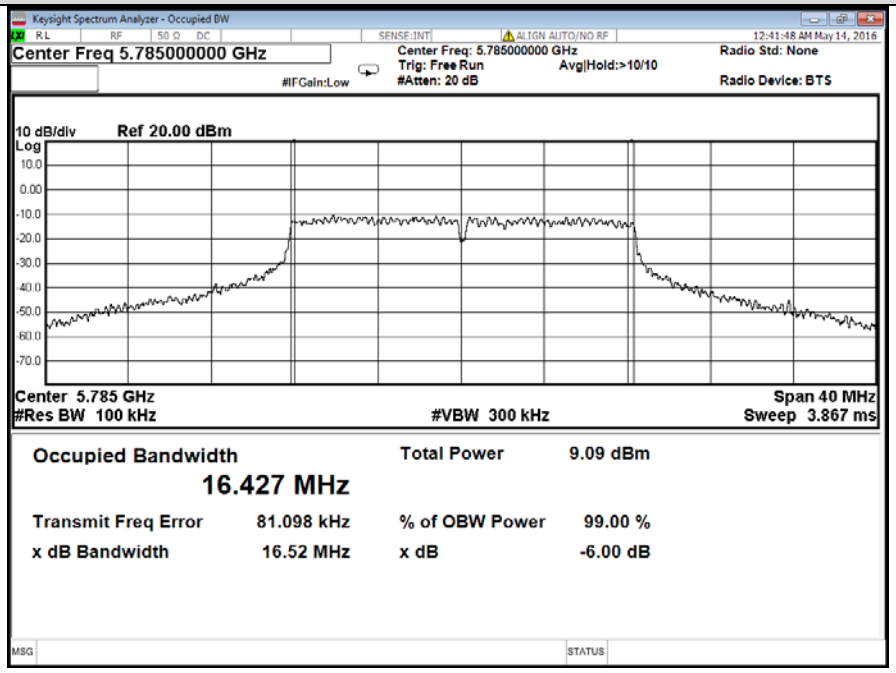
Test Mode: 802.11a_5785MHz

Chain 0



Chain 1



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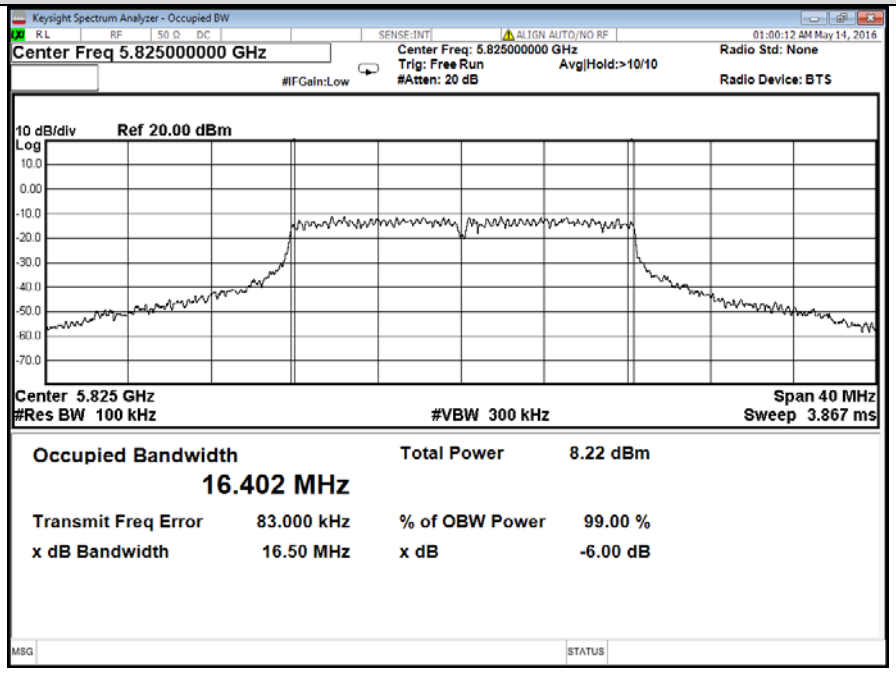
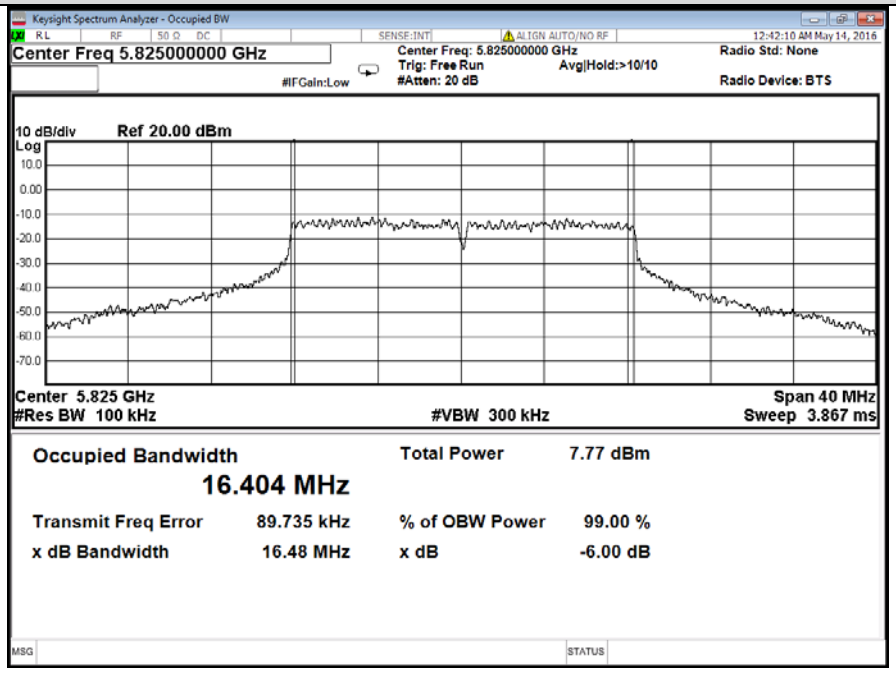
Test Mode: 802.11a_5825MHz

Chain 0



Chain 1



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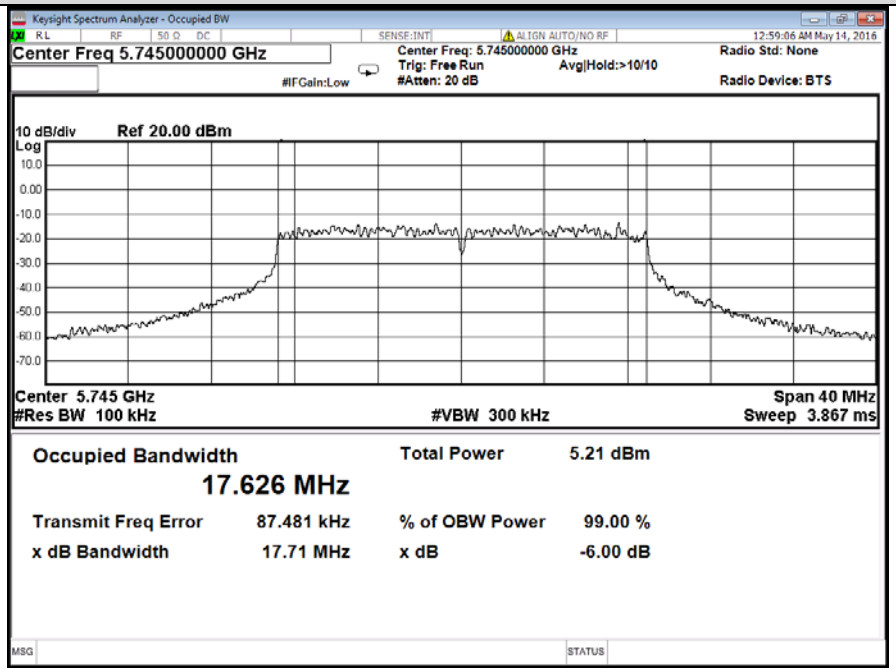
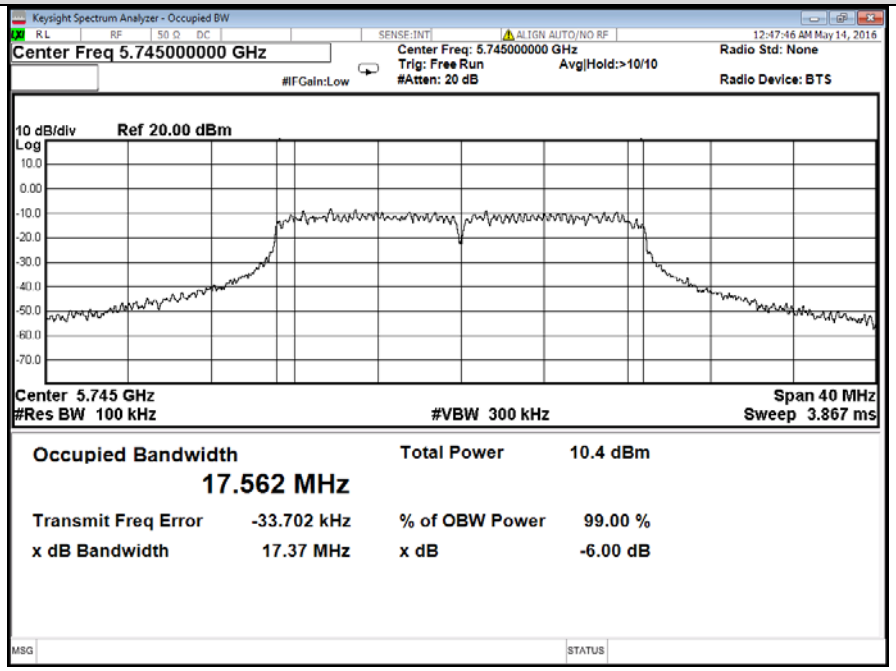
Test Mode: 802.11n(HT20)_5745MHz

Chain 0



Chain 1



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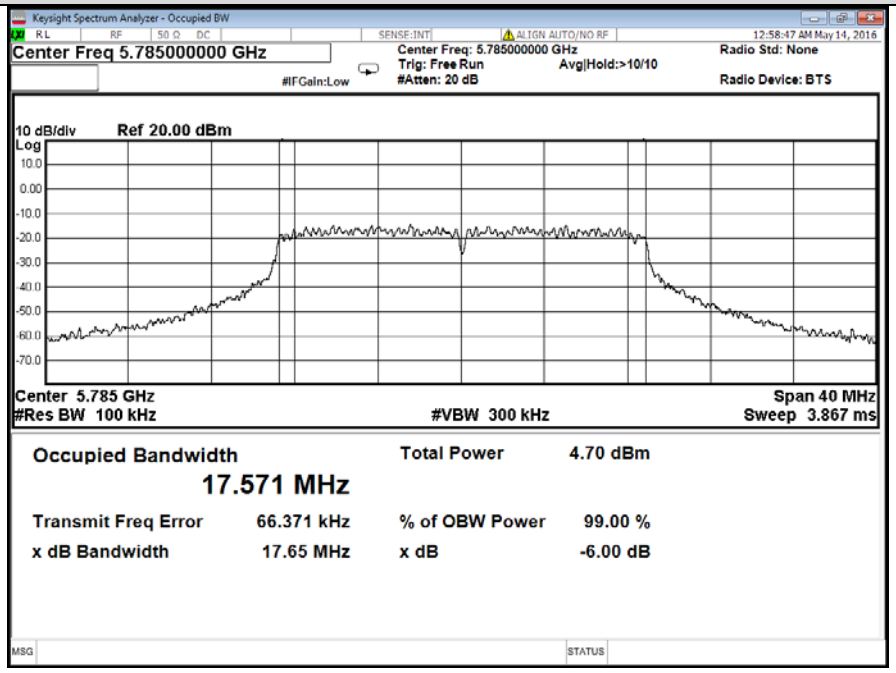
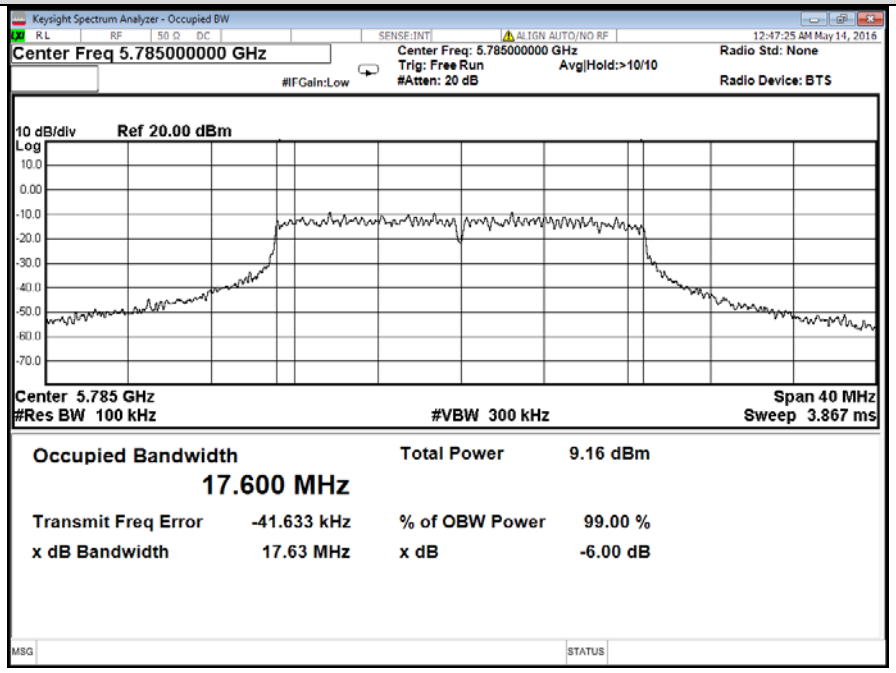
Test Mode: 802.11n(HT20)_5785MHz

Chain 0



Chain 1



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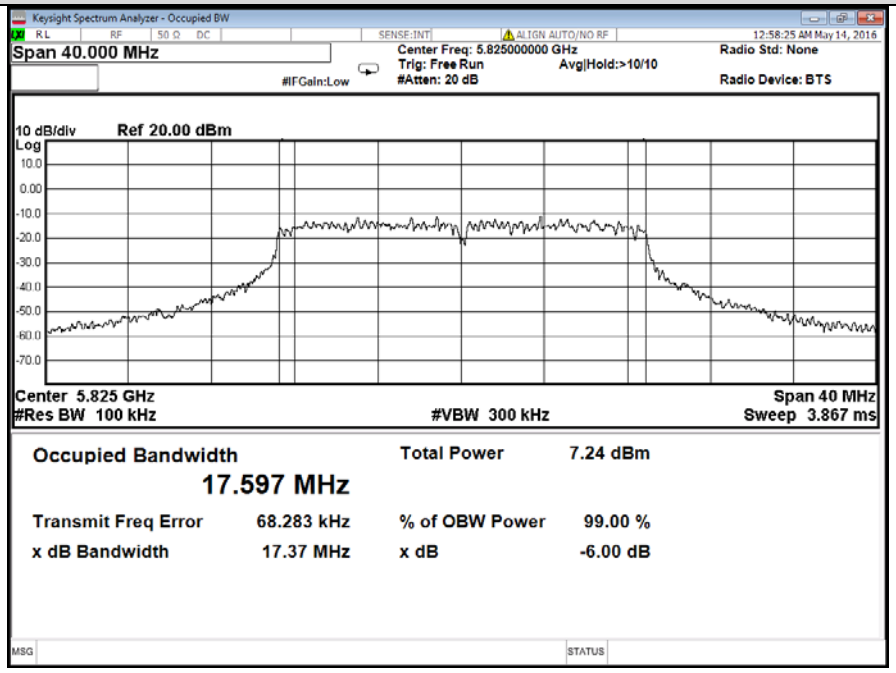
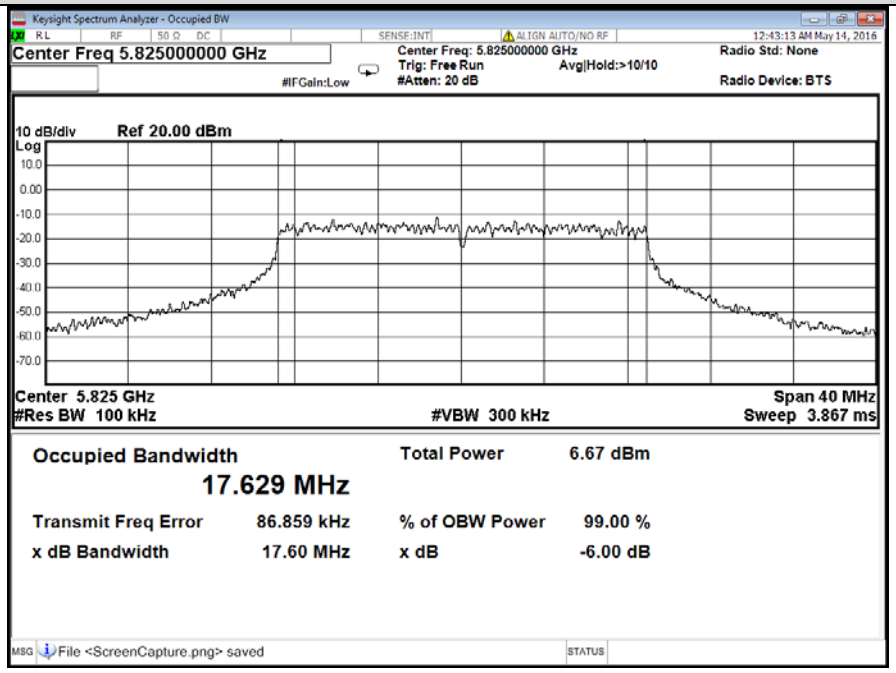
Test Mode: 802.11n(HT20)_5825MHz

Chain 0



Chain 1



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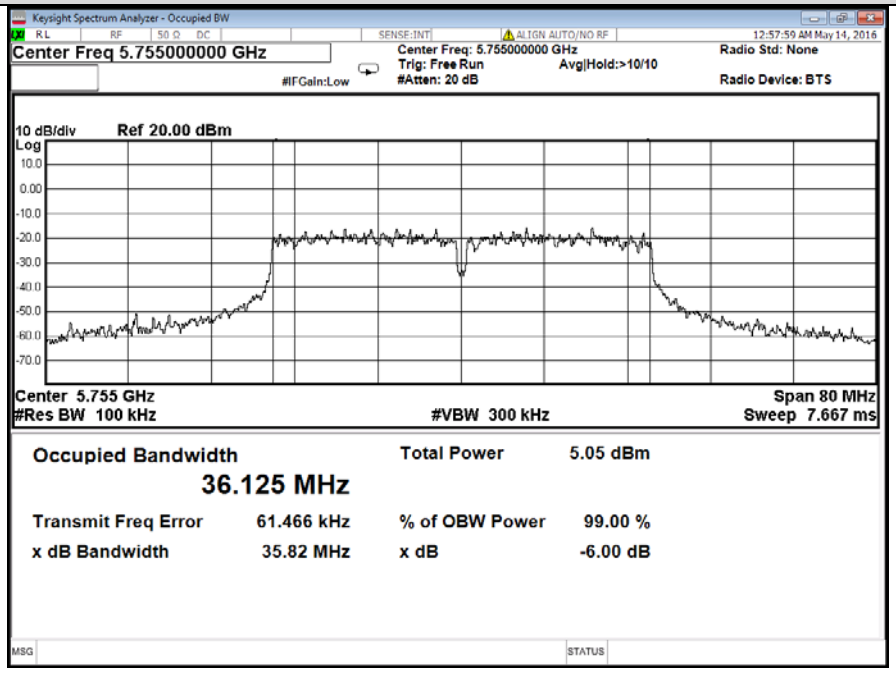
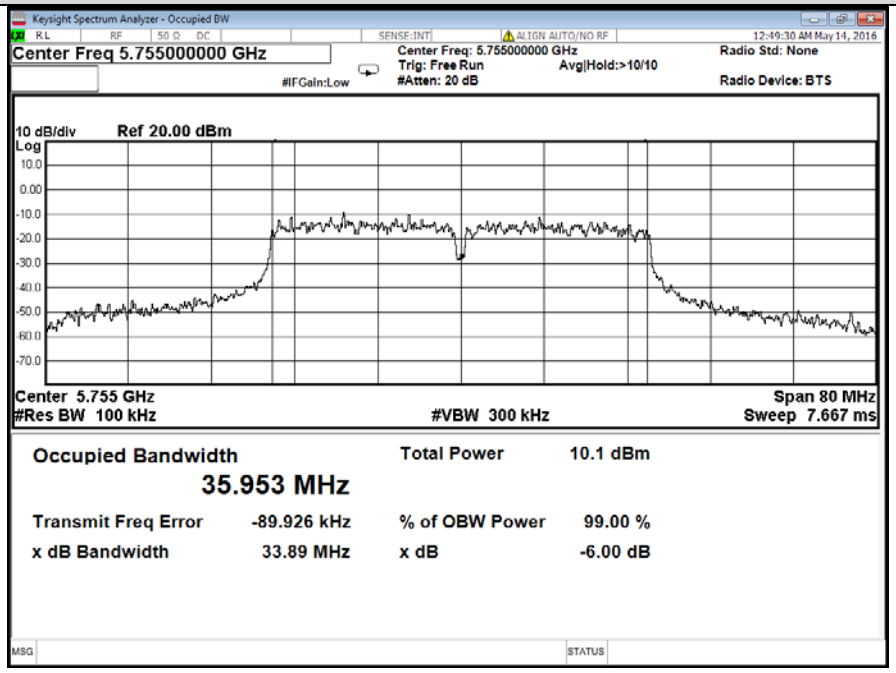
Test Mode: 802.11n(HT40)_5755MHz

Chain 0



Chain 1



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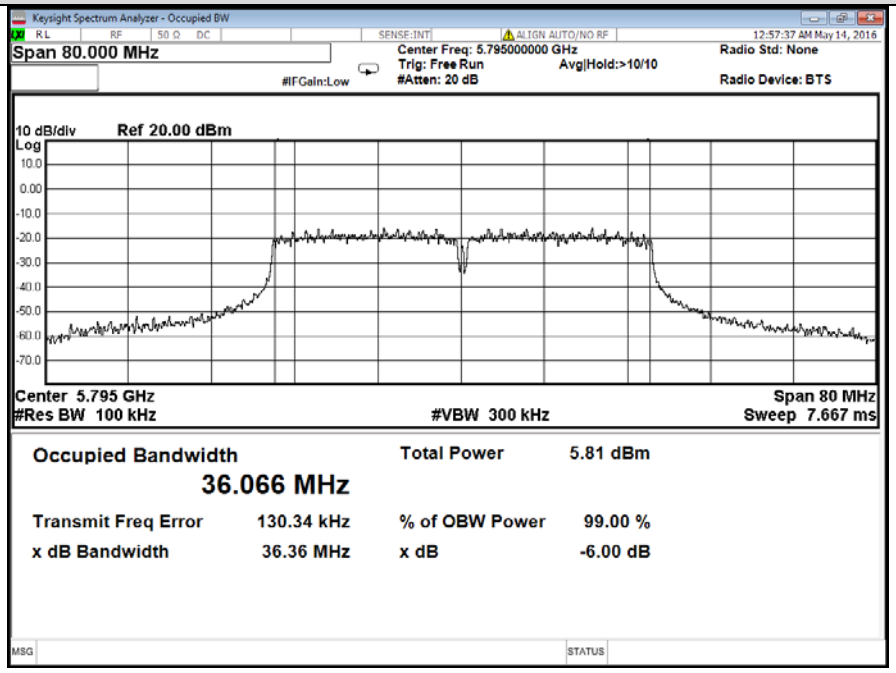
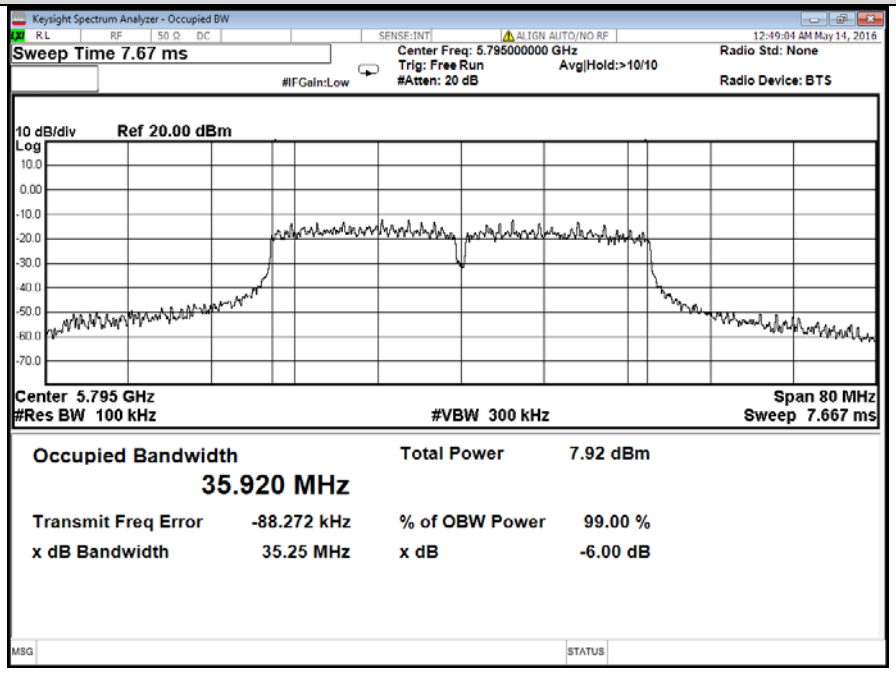
Test Mode: 802.11n(HT40)_5795MHz

Chain 0



Chain 1



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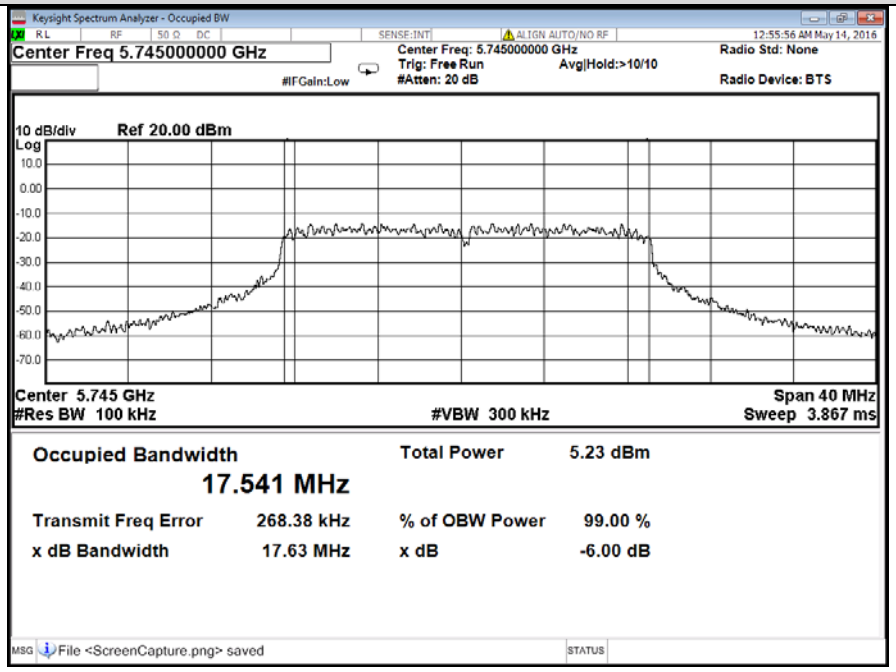
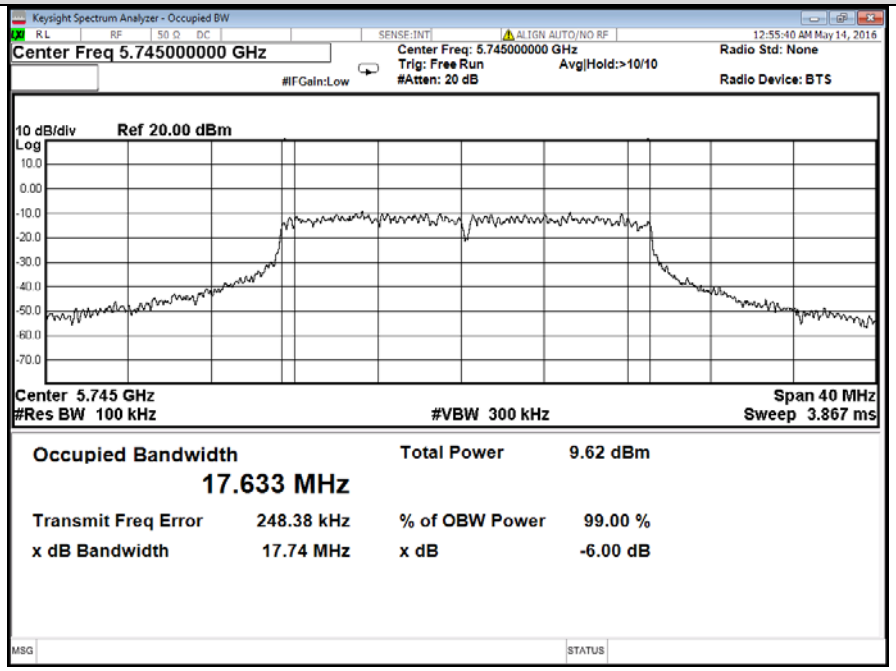
MIMO Mode-Test Data

Test Mode: 802.11n(HT20)_5745MHz
Chain 0



Chain 1



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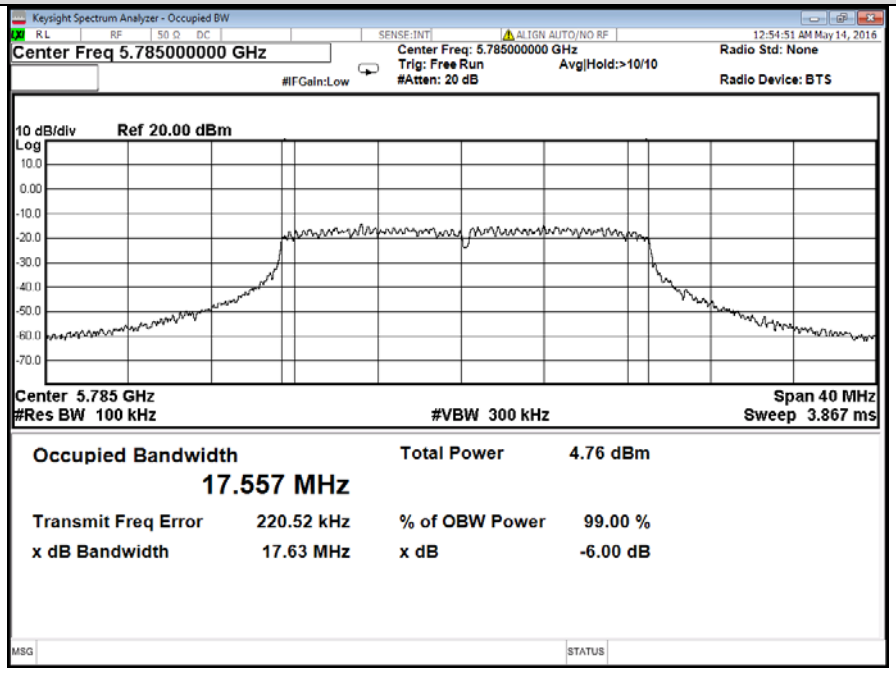
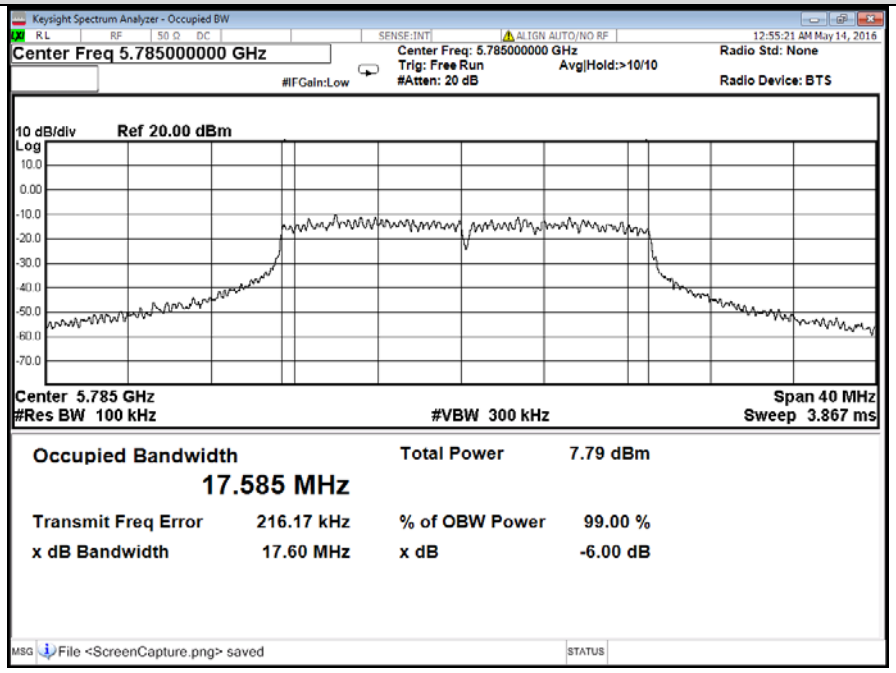
Test Mode: 802.11n(HT20)_5785MHz

Chain 0



Chain 1



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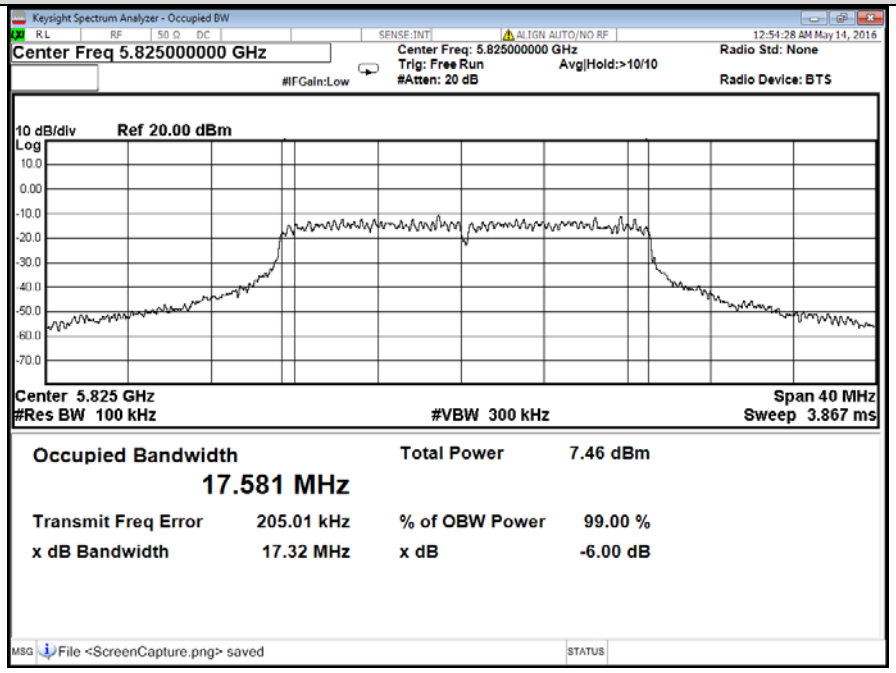
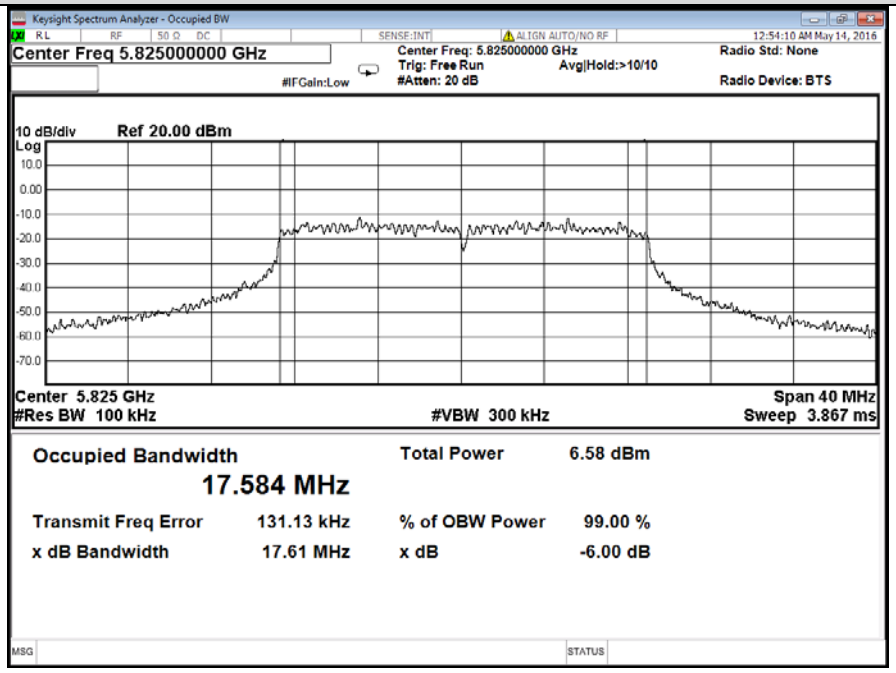
Test Mode: 802.11n(HT20)_5825MHz

Chain 0



Chain 1



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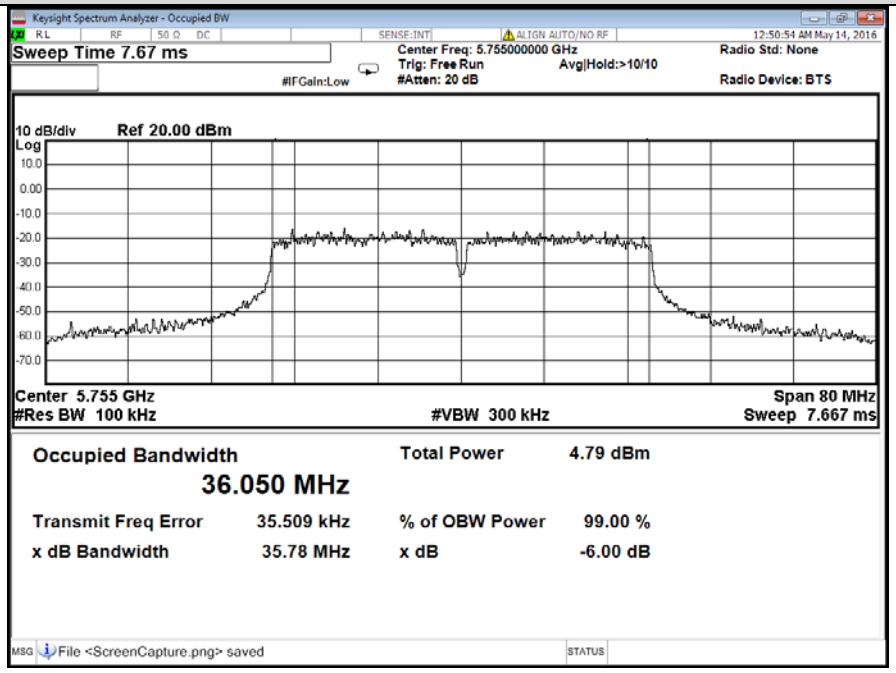
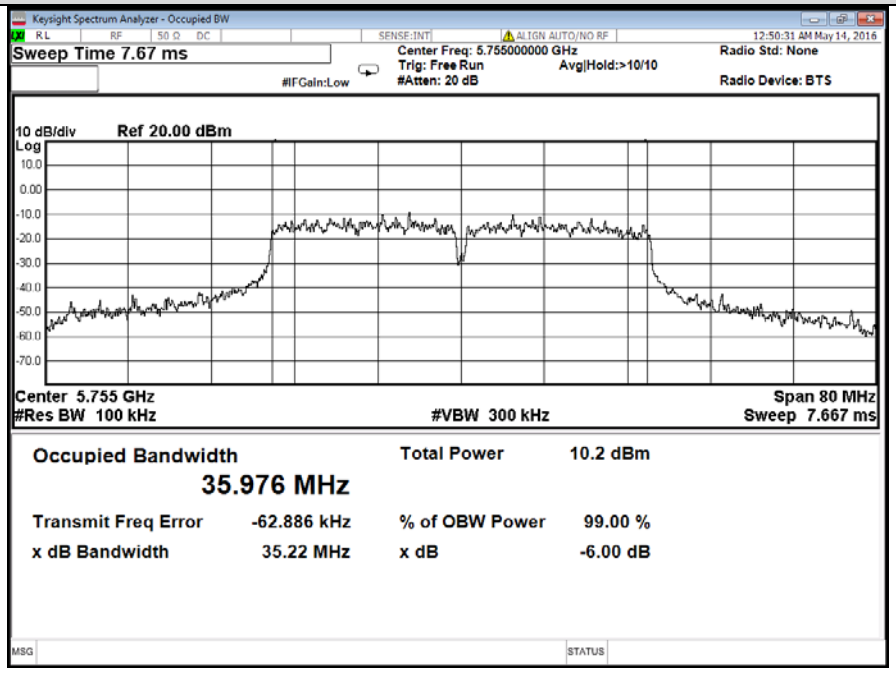
Test Mode: 802.11n(HT40)_5755MHz

Chain 0



Chain 1



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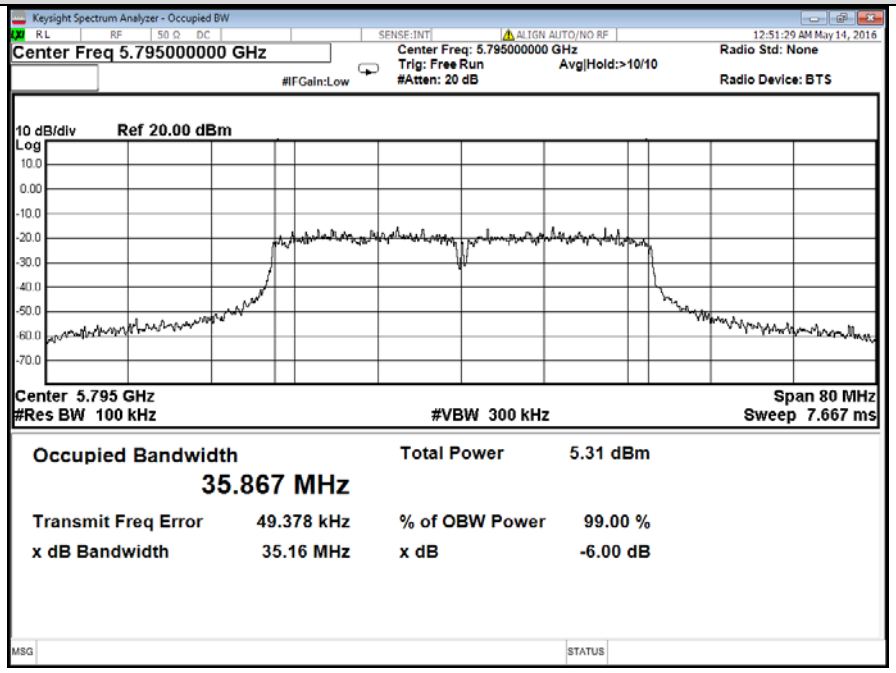
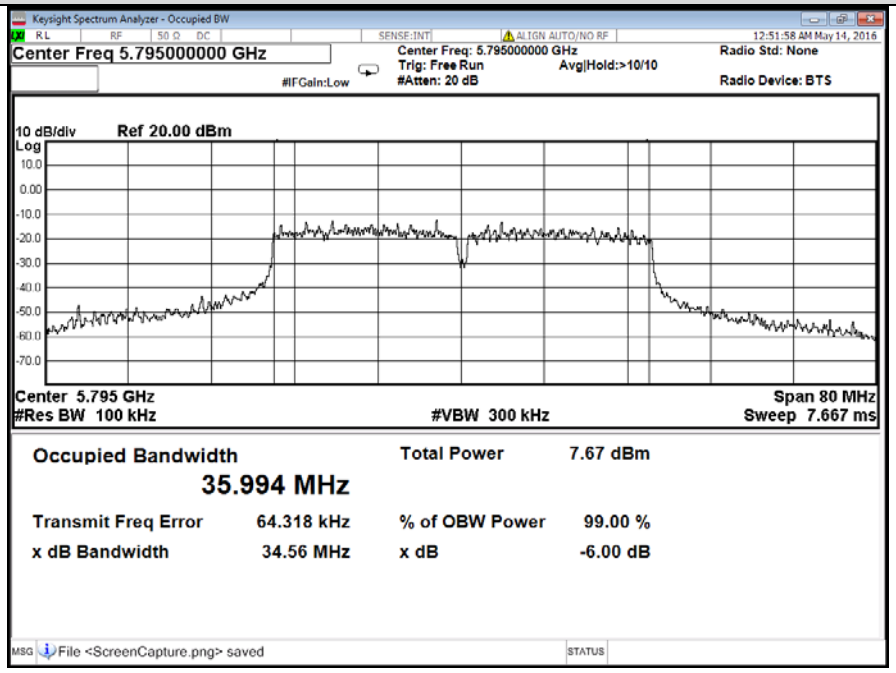
Test Mode: 802.11n(HT40)_5795MHz

Chain 0



Chain 1



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6.5 Frequency Stability

6.5.1 Limit

The frequency of the carrier signal shall be maintained within band of operation.

6.5.2 Test Procedure

a) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.

b) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.

c) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

6.5.3 Test Data

The EUT complied with the FCC Part 15.407 Frequency Stability requirements.

Table 10 provides the test results for Frequency Stability Terminals. (all the data attached was use the worst case data rate, EUT normal working temperature range for 5 ~ 35 ℃, the statement from the manufacturer)

6.5.4 Areas of Concern

None.

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Table 10: Frequency Stability Results

Frequency Stability Versus Temp.						
Operating Frequency: 5180 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.1799805	5.1799715	-3.7645	-5.5019	Pass
20	7.4	5.1799785	5.1799725	-4.1506	-5.3089	Pass
5	7.4	5.1799795	5.1799735	-3.9575	-5.1158	Pass
Operating Frequency: 5190 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.1899770	5.1899900	-4.4316	-1.9268	Pass
20	7.4	5.1899765	5.1899845	-4.5279	-2.9865	Pass
5	7.4	5.1899760	5.1899835	-4.6243	-3.1792	Pass
Operating Frequency: 5200 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.1999870	5.1999875	-2.5000	-2.4038	Pass
20	7.4	5.1999850	5.1999855	-2.8846	-2.7885	Pass
5	7.4	5.1999820	5.1999840	-3.4615	-3.0769	Pass
Operating Frequency: 5230 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.2299795	5.2299840	-3.9197	-3.0593	Pass
20	7.4	5.2299790	5.2299840	-4.0153	-3.0593	Pass
5	7.4	5.2299785	5.2299840	-4.1109	-3.0593	Pass

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Operating Frequency: 5240 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.2400140	5.2399800	2.6718	-3.8168	Pass
20	7.4	5.2400010	5.2399810	0.1908	-3.6260	Pass
5	7.4	5.2399940	5.2399815	-1.1450	-3.5305	Pass
Operating Frequency: 5745 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.7449765	5.7449590	-4.0905	-7.1366	Pass
20	7.4	5.7449760	5.7449625	-4.1775	-6.5274	Pass
5	7.4	5.7449755	5.7449645	-4.2646	-6.1793	Pass
Operating Frequency: 5755 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.7549500	5.7549720	-8.6881	-4.8653	Pass
20	7.4	5.7549515	5.7549730	-8.4275	-4.6916	Pass
5	7.4	5.7549520	5.7549730	-8.3406	-4.6916	Pass
Operating Frequency: 5785 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.7849795	5.7850115	-3.5436	1.9879	Pass
20	7.4	5.7849785	5.7850195	-3.7165	3.3708	Pass
5	7.4	5.7849770	5.7850250	-3.9758	4.3215	Pass

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Operating Frequency: 5795 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.7949710	5.7949790	-5.0043	-3.6238	Pass
20	7.4	5.7949805	5.7949745	-3.3650	-4.4003	Pass
5	7.4	5.7949855	5.7949720	-2.5022	-4.8318	Pass
Operating Frequency: 5825 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
35	7.4	5.8249945	5.8250315	-0.9442	5.4077	Pass
20	7.4	5.8249870	5.825035	-2.2318	6.0086	Pass
5	7.4	5.8249830	5.8250385	-2.9185	6.6094	Pass

Frequency Stability Versus Temp.						
Operating Frequency: 5180 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.1800105	5.1800110	2.0270	2.1236	Pass
	7.4	5.1799745	5.1800100	-4.9228	1.9305	Pass
	6.4	5.1800335	5.1800185	6.4672	3.5714	Pass
Operating Frequency: 5190 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.1900085	5.1900125	1.6378	2.4085	Pass
	7.4	5.1899665	5.1900120	-6.4547	2.3121	Pass
	6.4	5.1900315	5.1900045	6.0694	0.8671	Pass

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Operating Frequency: 5200 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.1999825	5.1999805	-3.3654	-3.7500	Pass
	7.4	5.2000070	5.2000105	1.3462	2.0192	Pass
	6.4	5.1999790	5.1999800	-4.0385	-3.8462	Pass
Operating Frequency: 5230 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.2300335	5.2300210	6.4054	4.0153	Pass
	7.4	5.2300105	5.2300140	2.0076	2.6769	Pass
	6.4	5.2300290	5.2300190	5.5449	3.6329	Pass
Operating Frequency: 5240 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.2399665	5.2399750	-6.3931	-4.7710	Pass
	7.4	5.2399675	5.2400105	-6.2023	2.0038	Pass
	6.4	5.2399675	5.2399765	-6.2023	-4.4847	Pass
Operating Frequency: 5745 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.7450090	5.7449670	1.5666	-5.7441	Pass
	7.4	5.7450215	5.7450075	3.7424	1.3055	Pass
	6.4	5.7450135	5.7449700	2.3499	-5.2219	Pass

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Operating Frequency: 5755 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.7550080	5.7550105	1.3901	1.8245	Pass
	7.4	5.7550345	5.7550170	5.9948	2.9540	Pass
	6.4	5.7550170	5.7549960	2.9540	-0.6950	Pass
Operating Frequency: 5785 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.7849775	5.7850035	-3.8894	0.6050	Pass
	7.4	5.7850415	5.7850065	7.1737	1.1236	Pass
	6.4	5.7849900	5.7849900	-1.7286	-1.7286	Pass
Operating Frequency: 5795 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.7950080	5.7950005	1.3805	0.0863	Pass
	7.4	5.7949995	5.7950225	-0.0863	3.8827	Pass
	6.4	5.7950090	5.7950010	1.5531	0.1726	Pass
Operating Frequency: 5825 MHz						
Temp. (℃)	Power Supply (Vdc)	Measured Frequency (GHz)		Frequency Drift (ppm)		Result (Pass / Fail)
		Chain 0	Chain 1	Chain 0	Chain 1	
20	8.4	5.8250020	5.8250320	0.3433	5.4936	Pass
	7.4	5.8250050	5.8250065	0.8584	1.1159	Pass
	6.4	5.8249890	5.8250350	-1.8884	6.0086	Pass

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6.6 Conducted Emissions – AC Power Ports

According to Paragraph (c) of FCC Part 15 section 15.207, Tests to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

6.7 Radiated Emissions and Band Edge Measurement

6.7.1 Limits

6.7.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions that fall in the restricted bands must comply with the general emissions limits in 15.209(a) as below table. Other emissions shall be at least 20 dB below the highest level of the desired power.

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

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6.7.1.2 Limits of Unwanted Emission Out of the Restricted Bands

Applicable To	Limit	
789033 D02 General U-NII Test Procedures New Rules v01r02	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(4) Beyond 10 MHz of the band edge	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(4) Within 10 MHz of band edge	PK: -17 (dBm/MHz)	PK: 78.2 (dBμV/m)

The emissions were measured using the following resolution bandwidths:

Frequency Range	Resolution Bandwidth	Video Bandwidth
30MHz-1000 MHz	120kHz	>30 kHz
>1000 MHz	1 MHz	<30 Hz

Harmonic and Spurious emissions that were identified as coming from the EUT were checked in Peak and in Average Mode. The high frequency, which started from 18 to 40GHz, was pre-scan and the test result which was 20dB lower than the limit was not reported.

Peak measurements and average measurements are made. All emissions were determined to have a peak-to-average ratio of less than 20dB.

6.7.2 Test Procedure (789033 D02 v01r02 Section G.3, G.4, G.5, and G.6)

a) The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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e) The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f) The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Remark:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for RMS Average (Duty cycle < 98 %) for Average detection (AV) at frequency above 1 GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle ≥ 98 %) or ≥ 1/T(duty cycle is < 98%) for Average detection (AV) at frequency above 1 GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

6.7.3 Test Data

The EUT complied with the FCC Part 15.407 Radiated Spurious Emissions requirements.

Table 11 and Table 12 provide the test results for Radiated Spurious Emissions. (all the data attached was use the worst case data rate)

6.7.4 Areas of Concern

None

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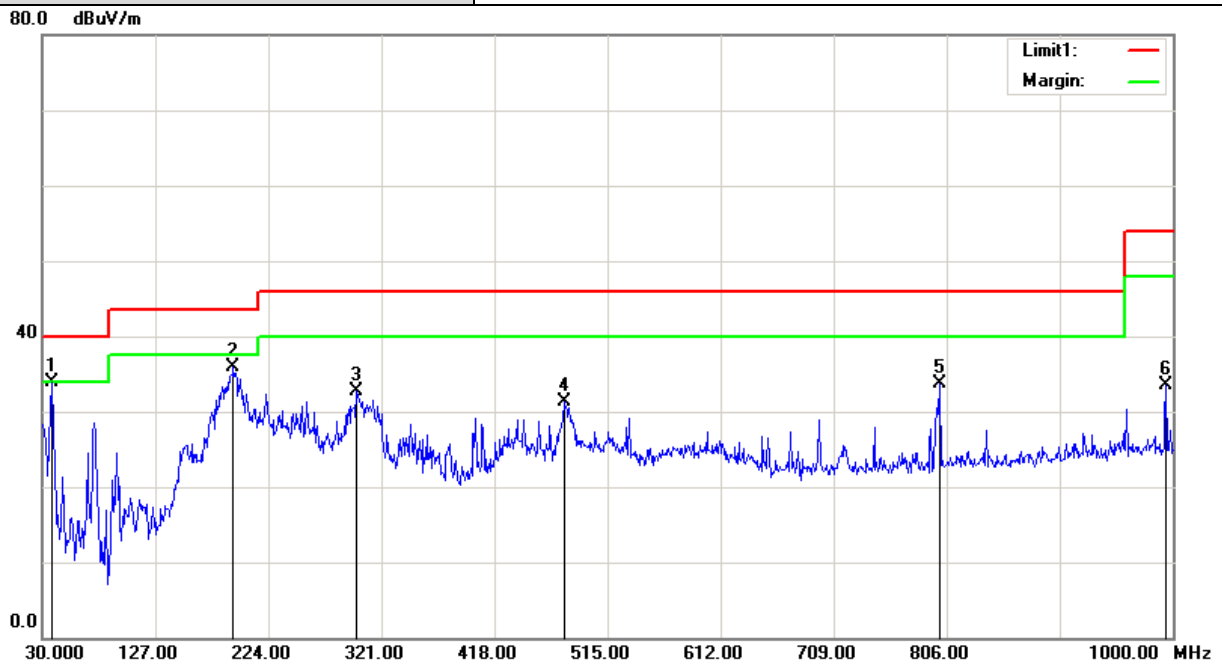
Table 11: Radiated Emission Test Data

Radiated Emission Test Data (Below 1GHz Worst Case):

Mode	802.11n(HT40)	Power Source	DC 7.4V
Antenna	Chain 0+1	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	151	Test By	Paul Pan
Ant. Polar.		Horizontal	



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	37.7600	49.45	-15.48	33.97	40.00	-6.03	QP
2	193.9300	58.74	-22.81	35.93	43.50	-7.57	QP
3	299.6600	52.32	-19.60	32.72	46.00	-13.28	QP
4	478.1400	45.66	-14.43	31.23	46.00	-14.77	QP
5	800.1800	44.79	-11.11	33.68	46.00	-12.32	QP
6	994.1800	42.74	-9.32	33.42	54.00	-20.58	QP

Mode	802.11n(HT40)	Power Source	DC 7.4V
Antenna	Chain 0+1	Environmental	25.4 deg. C, 55 % RH

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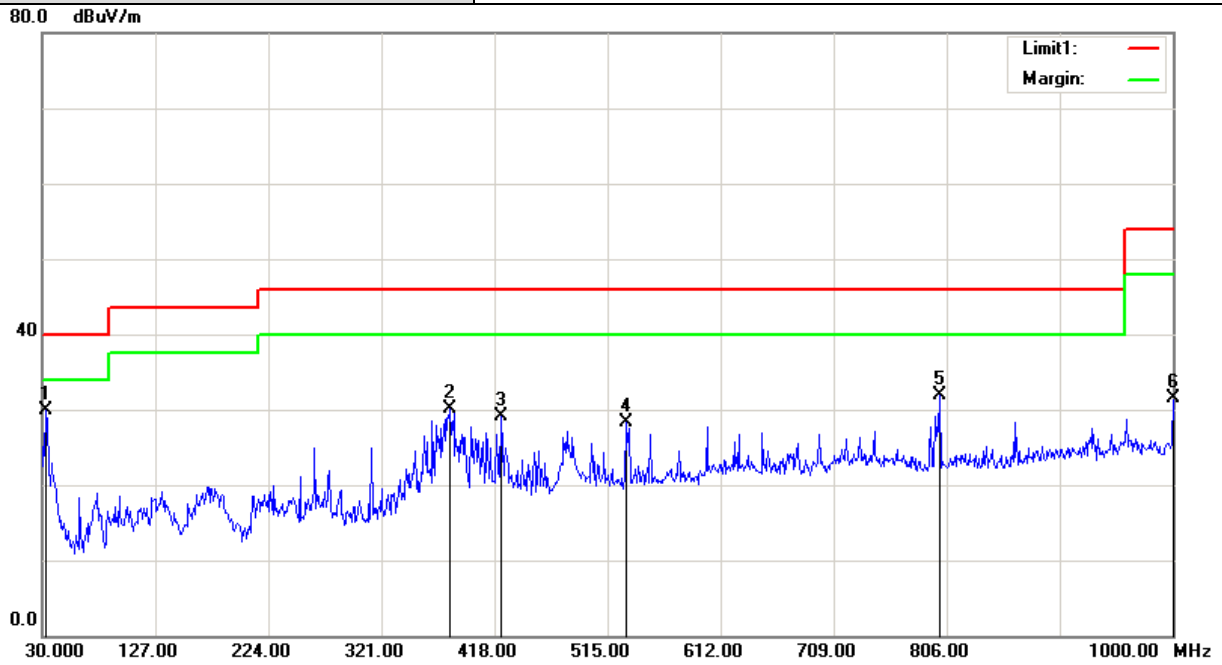
		Conditions	
Channel	151	**Test By**	Paul Pan
Ant. Polar.		Vertical	



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	32.9100	43.29	-13.43	29.86	40.00	-10.14	QP
2	380.1700	46.48	-16.46	30.02	46.00	-15.98	QP
3	423.8200	44.65	-15.48	29.17	46.00	-16.83	QP
4	531.4900	42.11	-13.80	28.31	46.00	-17.69	QP
5	800.1800	43.04	-11.11	31.93	46.00	-14.07	QP
6	1000.0000	40.89	-9.36	31.53	54.00	-22.47	QP

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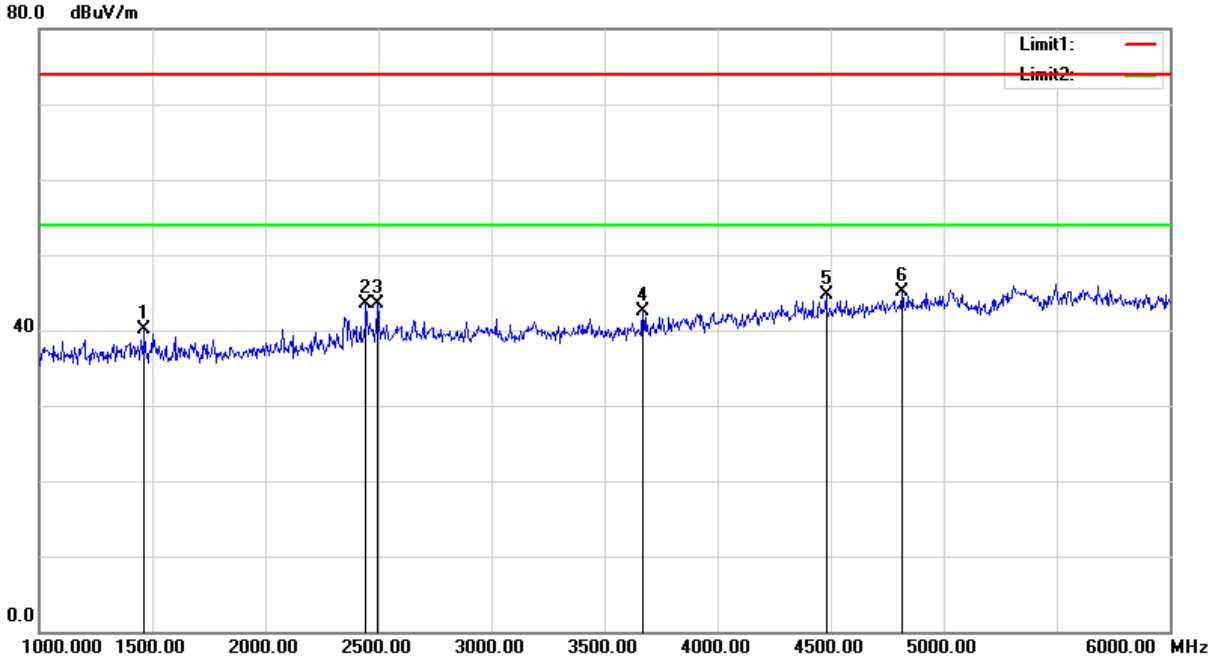
Radiated Emission Test Data (1GHz ~ 6 GHz Worst Case):

Mode	802.11n(HT40)	Power Source	DC 7.4V
Antenna	Chain 0+1	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	151	Test By	Paul Pan
Ant. Polar.		Horizontal	



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	1465.000	47.10	-6.94	40.16	74.00	-33.84	peak
2	2445.000	46.06	-2.56	43.50	74.00	-30.50	peak
3	2495.000	45.70	-2.29	43.41	74.00	-30.59	peak
4	3670.000	42.40	0.20	42.60	74.00	-31.40	peak
5	4480.000	41.38	3.28	44.66	74.00	-29.34	peak
6	4815.000	40.69	4.38	45.07	74.00	-28.93	peak

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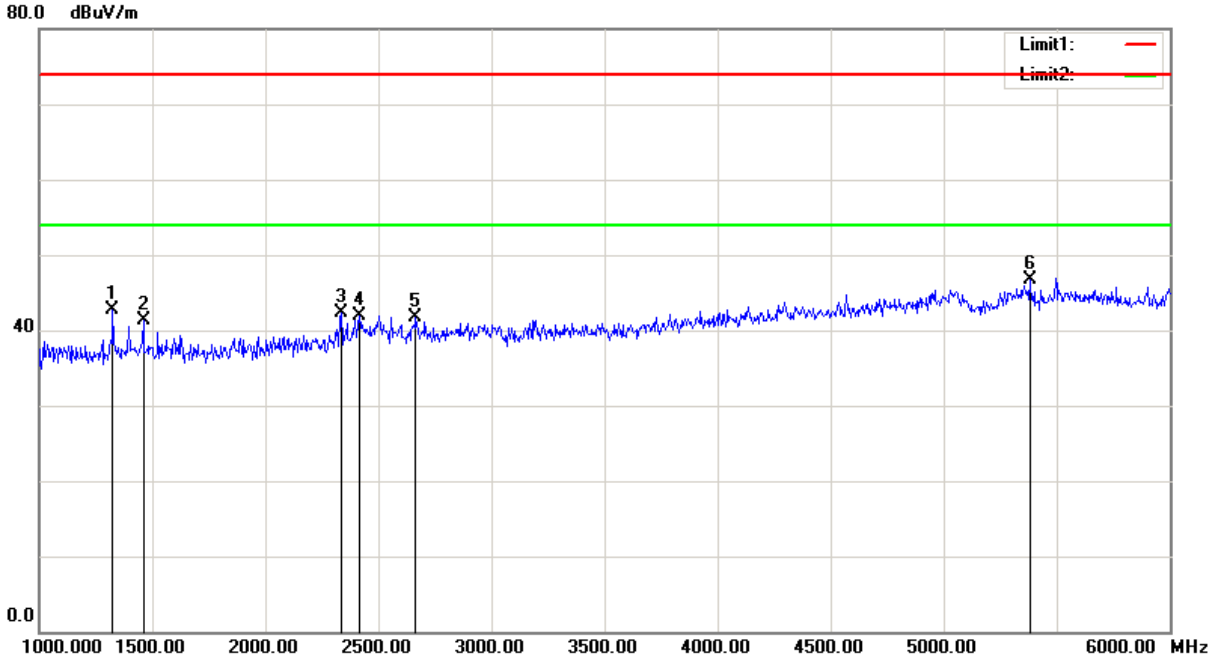
Mode	802.11n(HT40)	Power Source	DC 7.4V
Antenna	Chain 0+1	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	151	Test By	Paul Pan
Ant. Polar.		Vertical	



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	1325.000	50.04	-7.33	42.71	74.00	-31.29	peak
2	1460.000	48.18	-6.95	41.23	74.00	-32.77	peak
3	2335.000	45.37	-3.16	42.21	74.00	-31.79	peak
4	2415.000	44.60	-2.73	41.87	74.00	-32.13	peak
5	2665.000	43.63	-1.96	41.67	74.00	-32.33	peak
6	5380.000	41.12	5.66	46.78	74.00	-27.22	peak

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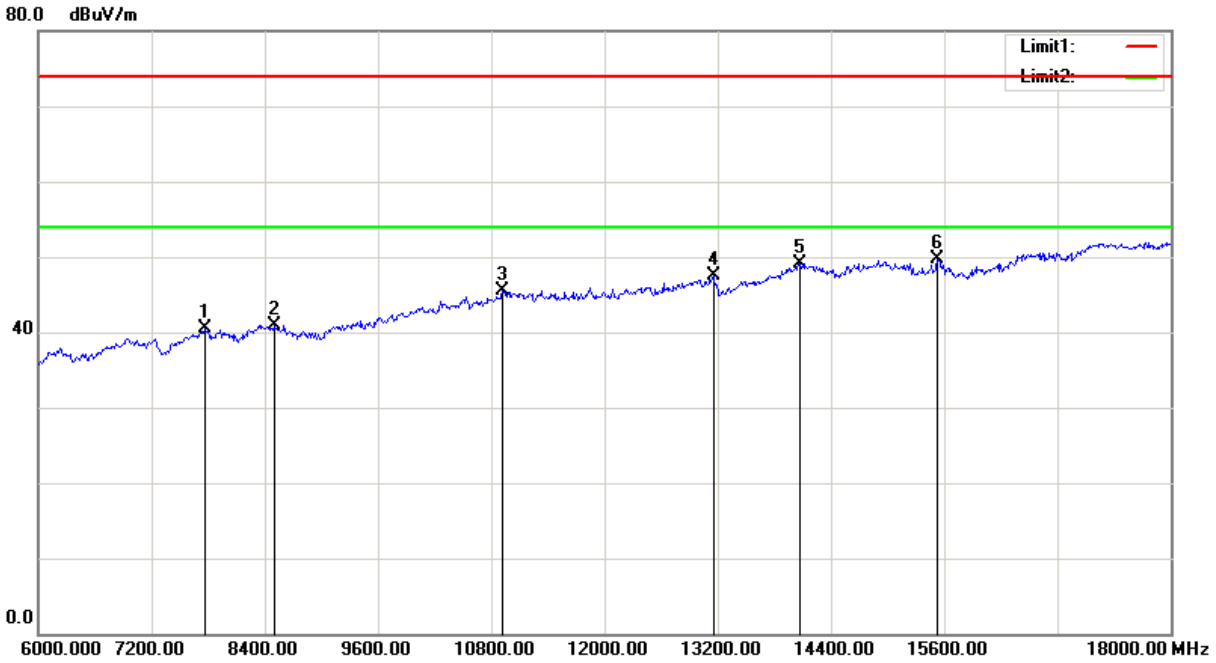
Radiated Emission Test Data (Above 6GHz):

SISO Mode_ Test Data

Mode	802.11a	Power Source	DC 7.4V
Antenna	Chain 0	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	36	Test By	Paul Pan
Ant. Polar.		Horizontal	



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7764.000	31.29	9.19	40.48	74.00	-33.52	peak
2	8496.000	31.50	9.38	40.88	74.00	-33.12	peak
3	10920.000	30.76	14.83	45.59	74.00	-28.41	peak
4	13152.000	29.22	18.35	47.57	74.00	-26.43	peak
5	14064.000	28.54	20.62	49.16	74.00	-24.84	peak
6*	15528.000	30.97	18.76	49.73	74.00	-24.27	peak

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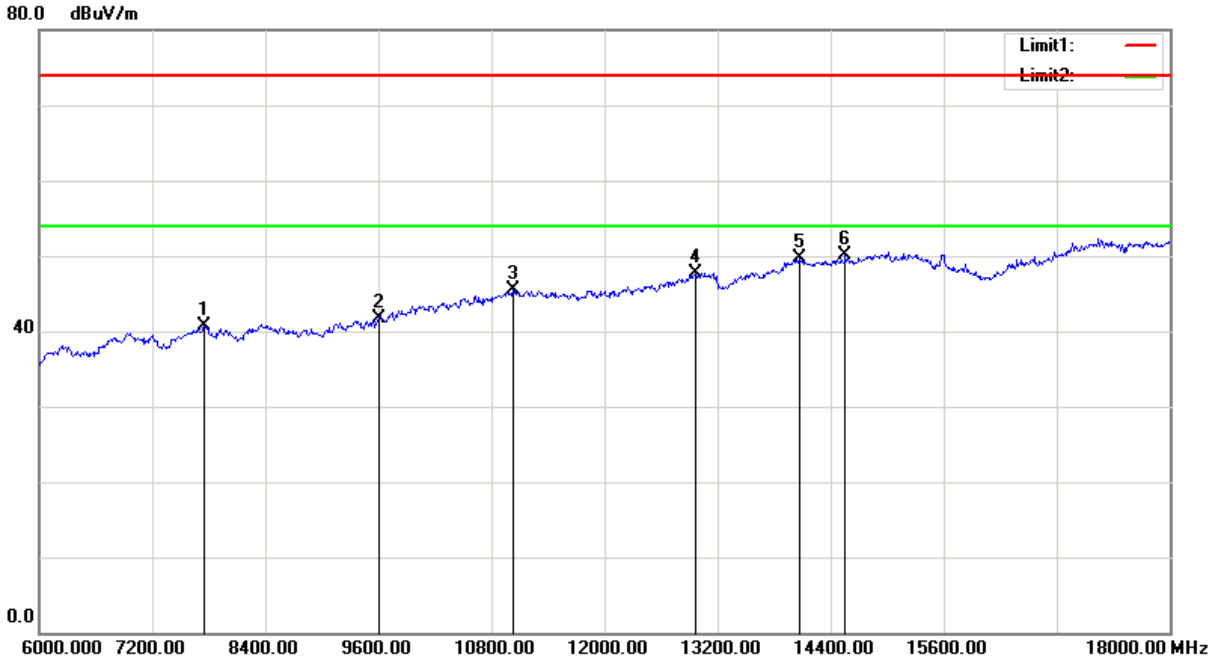
Mode	802.11a	Power Source	DC 7.4V
Antenna	Chain 0	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	36	Test By	Paul Pan
Ant. Polar.		Vertical	



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7752.000	31.47	9.17	40.64	74.00	-33.36	peak
2	9612.000	30.85	10.86	41.71	74.00	-32.29	peak
3	11028.000	30.52	15.07	45.59	74.00	-28.41	peak
4	12972.000	29.90	17.86	47.76	74.00	-26.24	peak
5	14064.000	29.17	20.62	49.79	74.00	-24.21	peak
6*	14556.000	29.11	20.90	50.01	74.00	-23.99	peak

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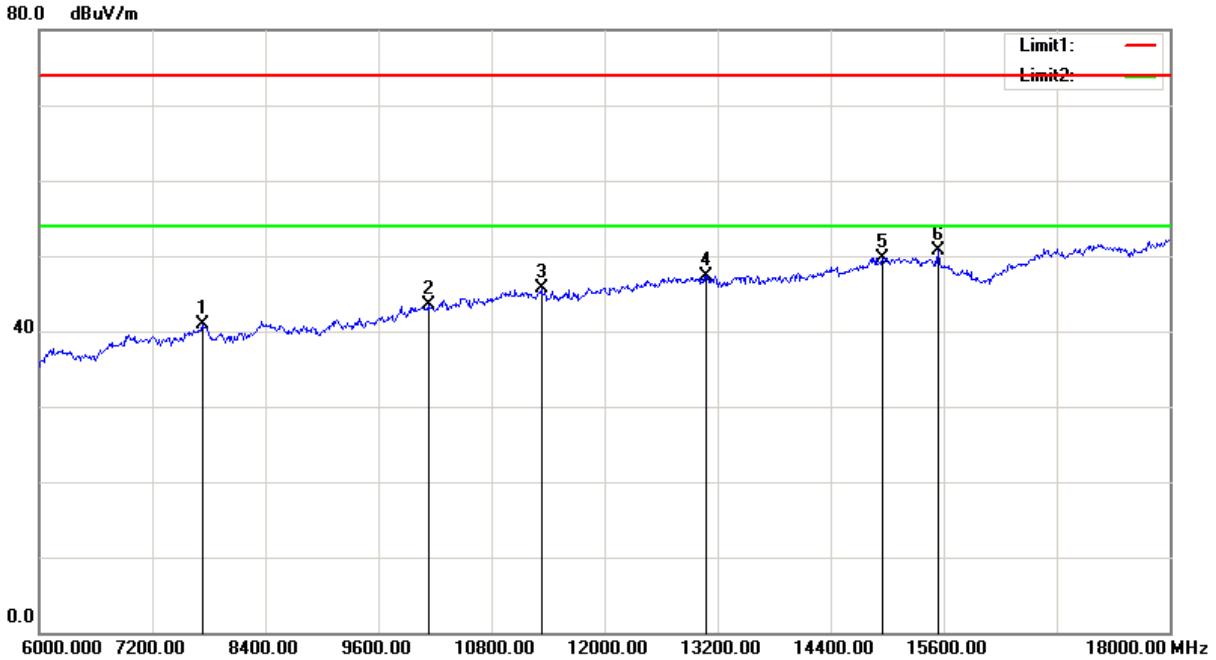
Mode	802.11a	Power Source	DC 7.4V
Antenna	Chain 0	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	40	Test By	Paul Pan
Ant. Polar.		Horizontal	



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7728.000	31.70	9.12	40.82	74.00	-33.18	peak
2	10128.000	31.11	12.38	43.49	74.00	-30.51	peak
3	11328.000	30.75	14.94	45.69	74.00	-28.31	peak
4	13080.000	29.13	18.16	47.29	74.00	-26.71	peak
5	14952.000	28.67	21.13	49.80	74.00	-24.20	peak
6*	15540.000	32.07	18.70	50.77	74.00	-23.23	peak

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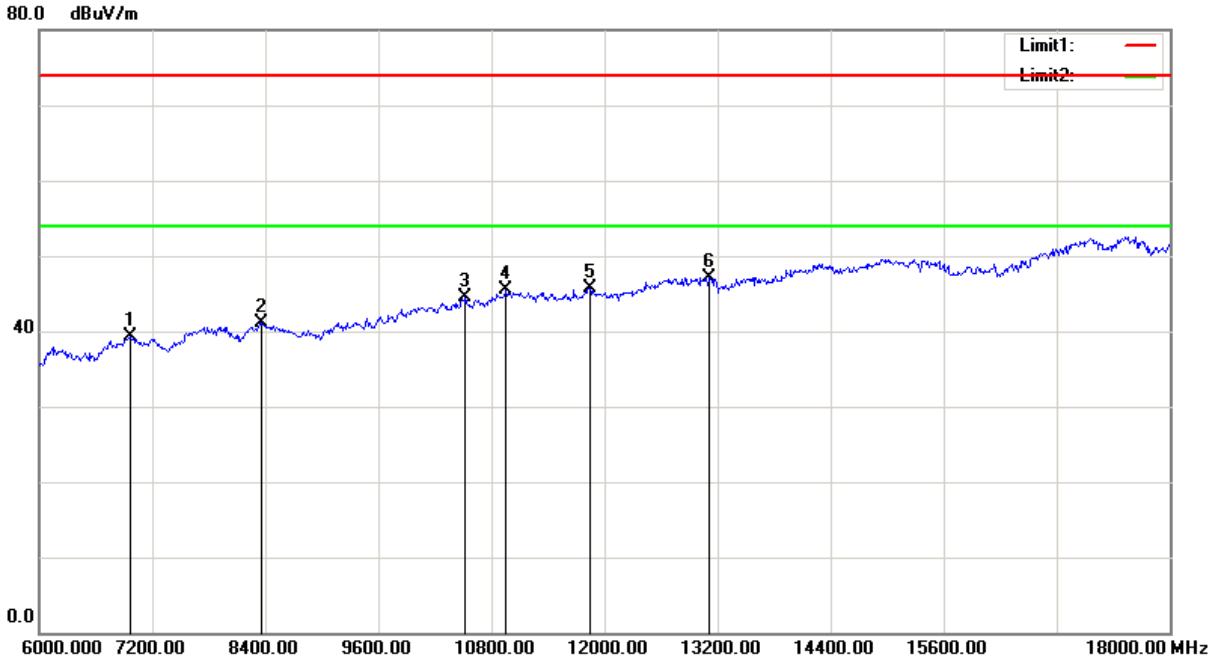
Mode	802.11a	Power Source	DC 7.4V
Antenna	Chain 0	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	40	Test By	Paul Pan
Ant. Polar.		Vertical	



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6972.000	31.68	7.65	39.33	74.00	-34.67	peak
2	8364.000	31.75	9.45	41.20	74.00	-32.80	peak
3	10524.000	30.84	13.60	44.44	74.00	-29.56	peak
4	10956.000	30.52	14.94	45.46	74.00	-28.54	peak
5	11844.000	31.01	14.71	45.72	74.00	-28.28	peak
6*	13104.000	28.87	18.22	47.09	74.00	-26.91	peak

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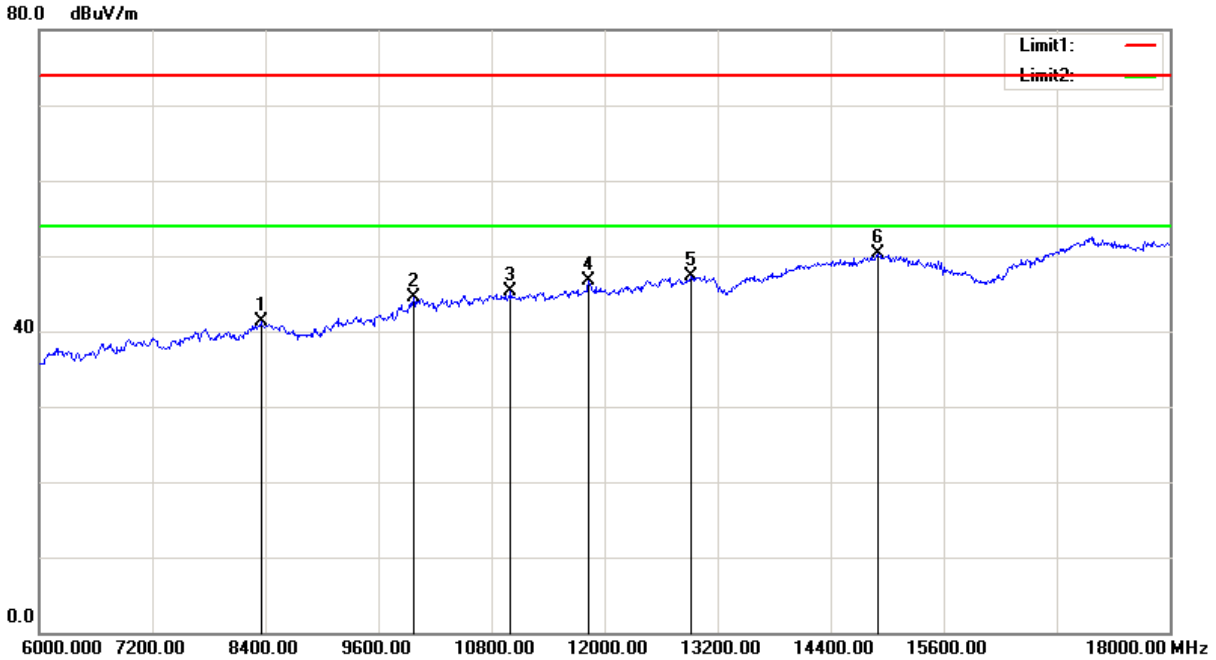
Mode	802.11a	Power Source	DC 7.4V
Antenna	Chain 0	Environmental Conditions	25.4 deg. C, 55 % RH
Channel	48	Test By	Paul Pan
Ant. Polar.		Horizontal	



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8352.000	31.78	9.46	41.24	74.00	-32.76	peak
2	9972.000	32.52	11.90	44.42	74.00	-29.58	peak
3	11004.000	30.23	15.08	45.31	74.00	-28.69	peak
4	11832.000	31.94	14.71	46.65	74.00	-27.35	peak
5	12912.000	29.62	17.66	47.28	74.00	-26.72	peak
6*	14904.000	29.15	21.10	50.25	74.00	-23.75	peak

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