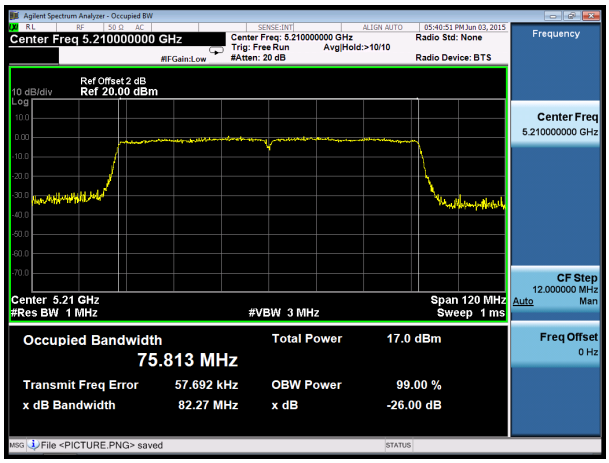
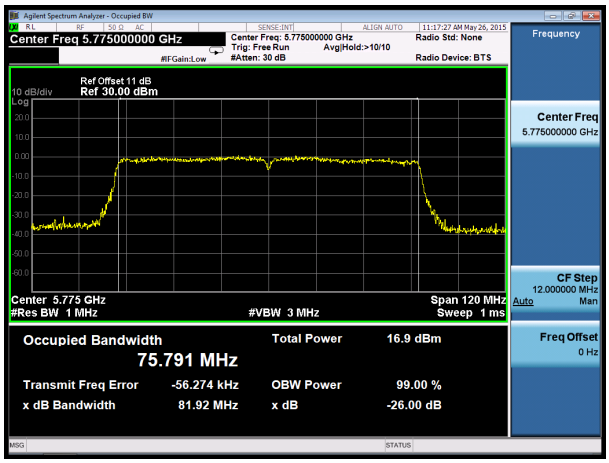
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11ac(80MHz) Ant 1
Test Date	2015-06-03

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
42	5210	82.27	75813	Pass
155	5775	81.92	75791	Pass

Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

7. 6dB Bandwidth Measurement

7.1 Test Equipment

Instrument	Manufacturer	Type No.	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	Agilent	N9010A	MY53400169	2014.11.03	2015.11.03
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-003	2015.03.31	2016.03.30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2 Test Limit

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

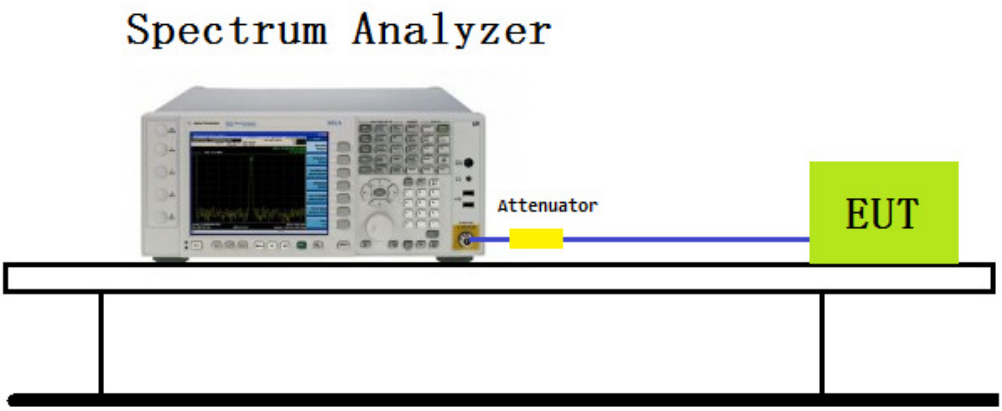
7.3 Test Procedure used

KDB 789033 D02v01 – Section C.2

7.4 Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW ≧ 3 × RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. 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.

7.5 Test Setup

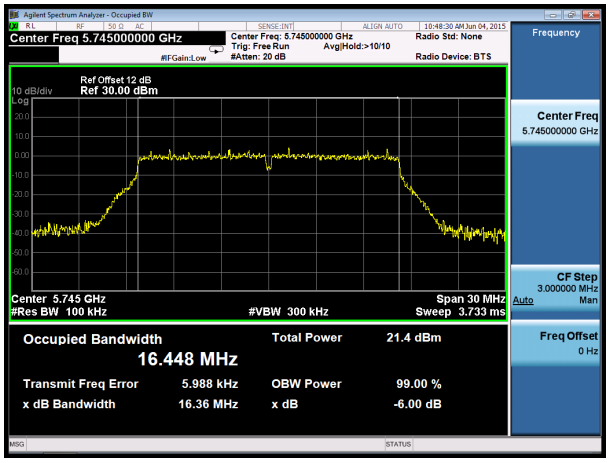


7.6 Test Result

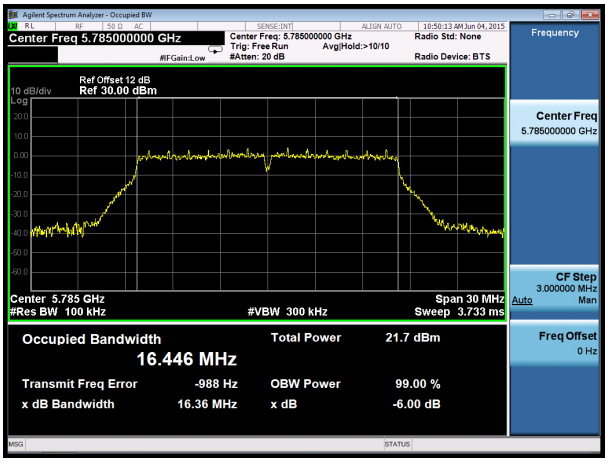
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11a Ant 0
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	16.36	Pass
157	5785	16.36	Pass
165	5825	16.45	Pass

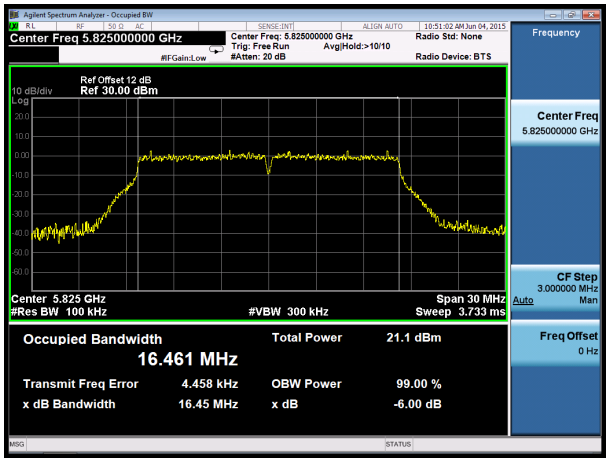
Channel 149 (5745MHz)



Channel 157 (5785MHz)



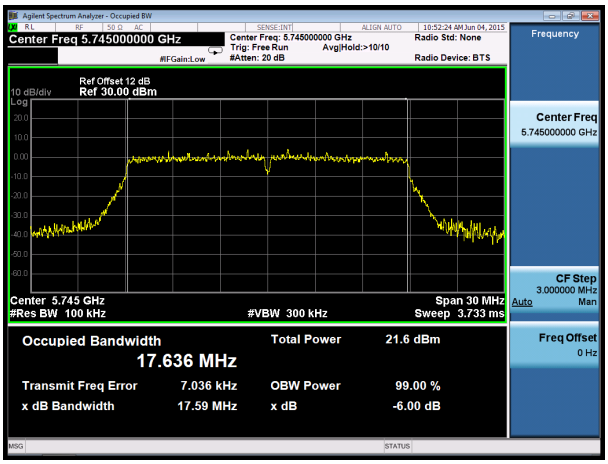
Channel 165 (5825MHz)



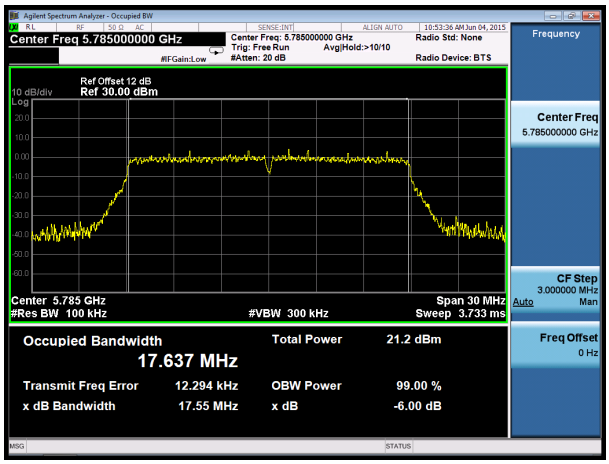
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11n(20MHz) Ant 0
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	17.59	Pass
157	5785	17.55	Pass
165	5825	17.56	Pass

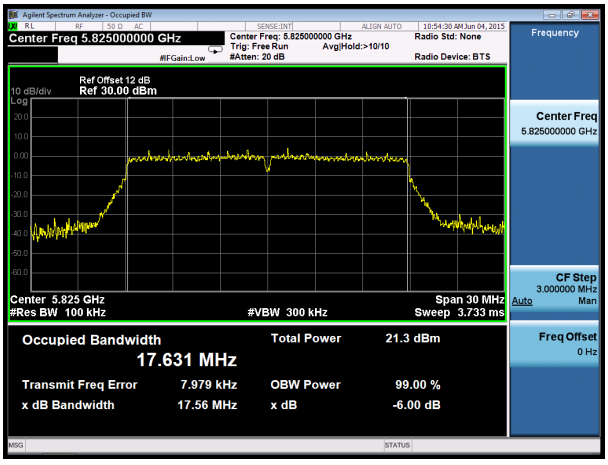
Channel 149 (5745MHz)



Channel 157 (5785MHz)

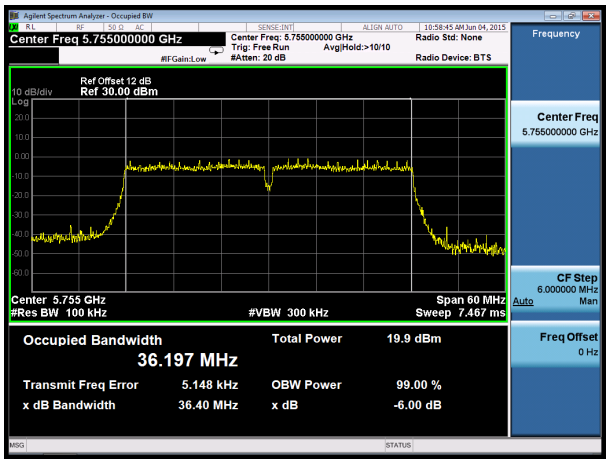
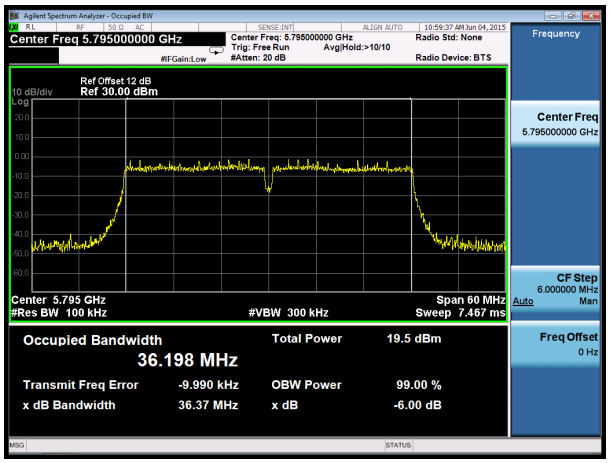


Channel 165 (5825MHz)



Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11n(40MHz) Ant 0
Test Date	2015-06-04

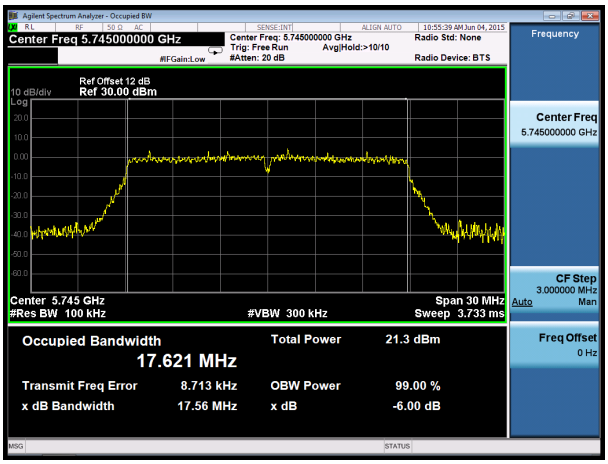
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	36.40	Pass
157	5785	36.37	Pass

Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

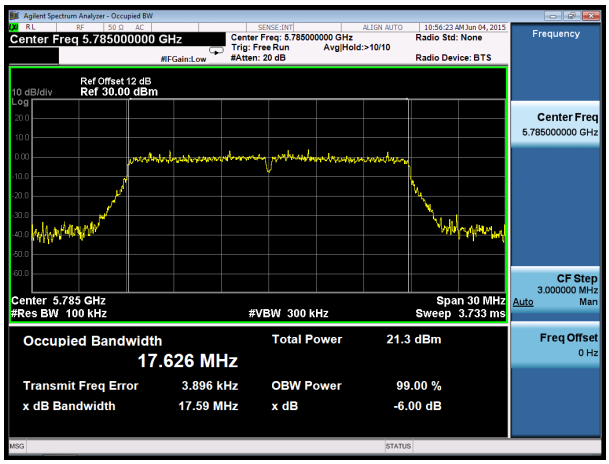
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(20MHz) Ant 0
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	17.56	Pass
157	5785	17.59	Pass
165	5825	17.53	Pass

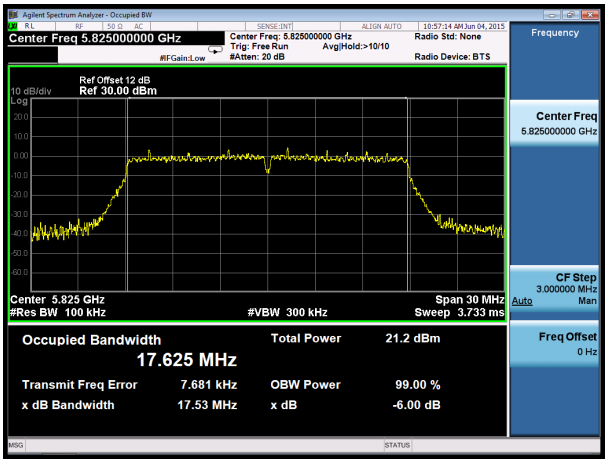
Channel 149 (5745MHz)



Channel 157 (5785MHz)

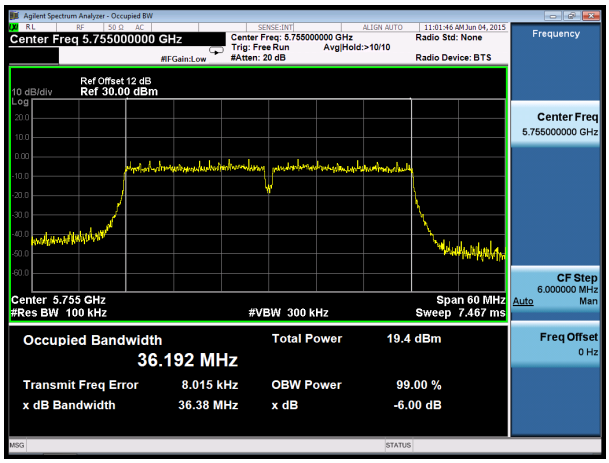
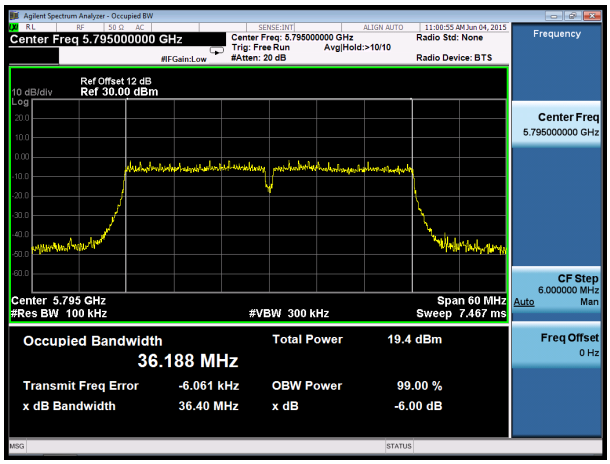


Channel 165 (5825MHz)



Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(40MHz) Ant 0
Test Date	2015-06-04

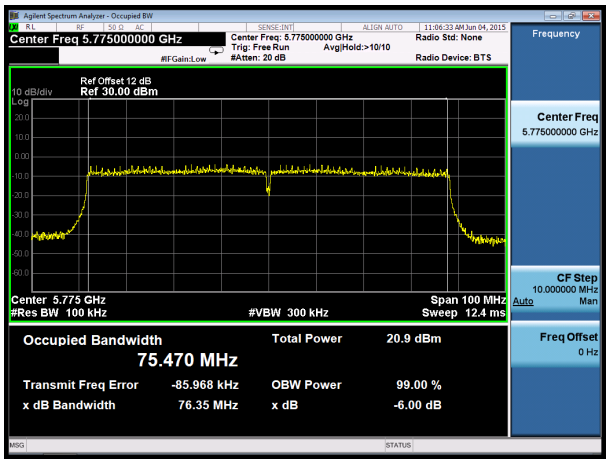
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
151	5755	36.38	Pass
159	5795	36.40	Pass

Channel 151 (5755MHz)	Channel 159(5795MHz)
	

Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(80MHz) Ant 0
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
155	5775	76.35	Pass

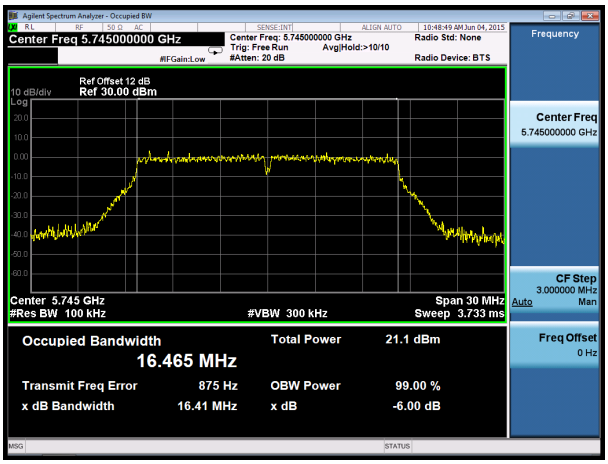
Channel 155 (5775MHz)



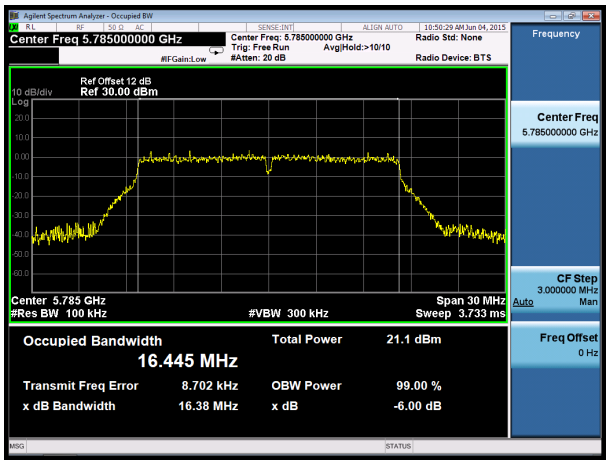
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11a Ant 1
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	16.41	Pass
157	5785	16.38	Pass
165	5825	16.35	Pass

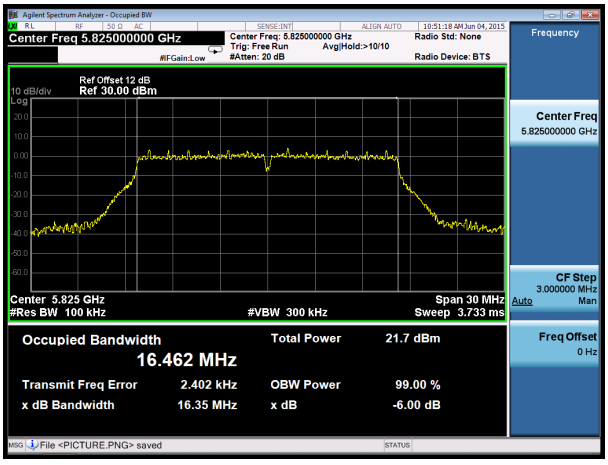
Channel 149 (5745MHz)



Channel 157 (5785MHz)



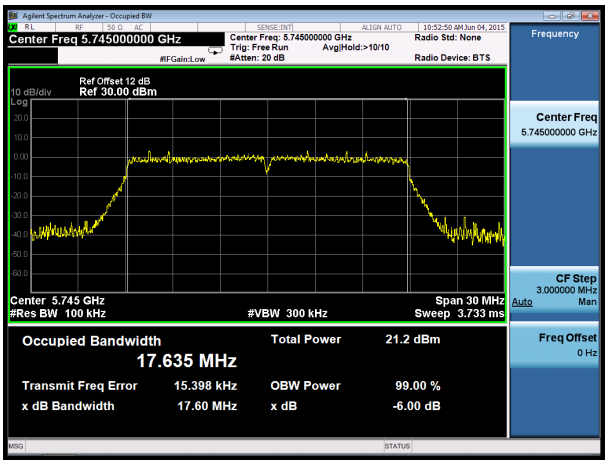
Channel 165 (5825MHz)



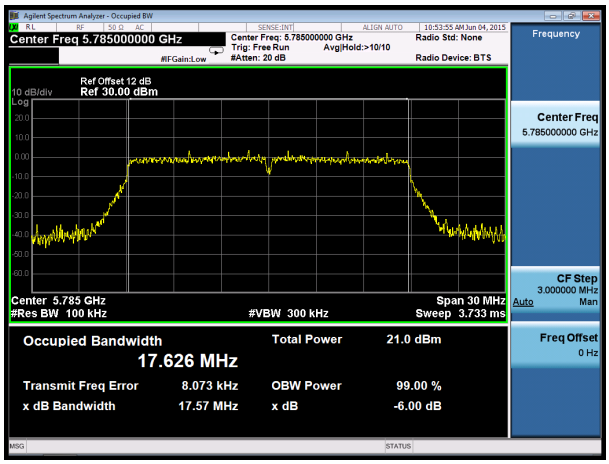
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11n(20MHz) Ant 1
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	17.60	Pass
157	5785	17.57	Pass
165	5825	17.55	Pass

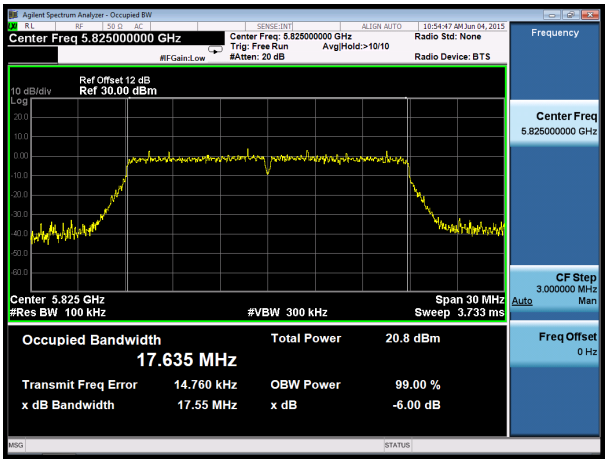
Channel 149 (5745MHz)



Channel 157 (5785MHz)

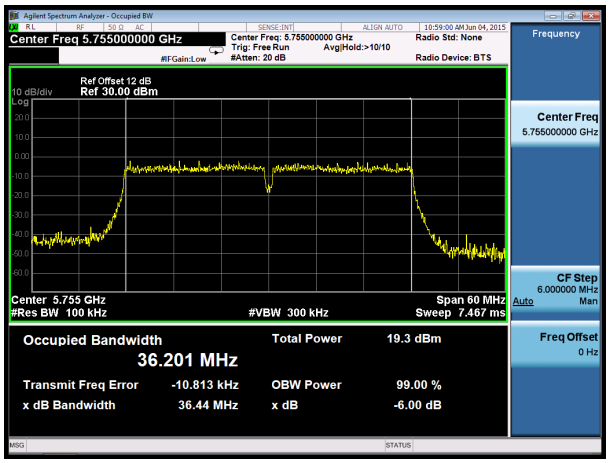
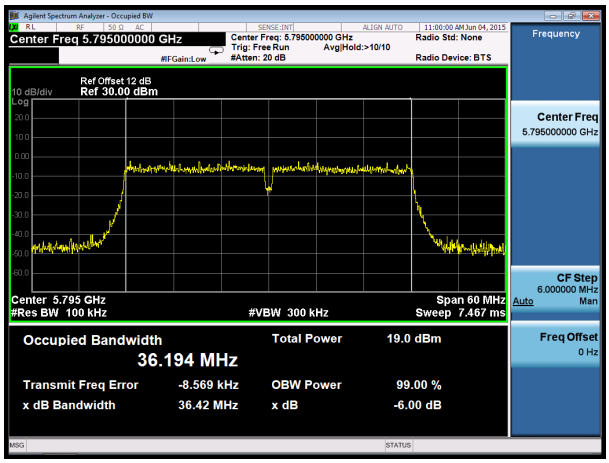


Channel 165 (5825MHz)



Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11(40MHz) Ant 1
Test Date	2015-06-24

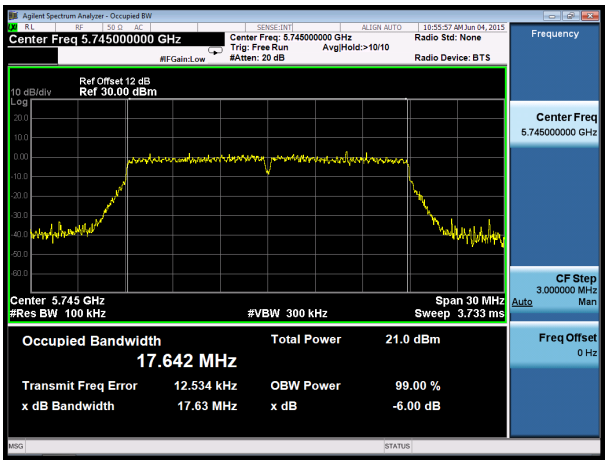
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	36.44	Pass
157	5785	36.42	Pass

Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

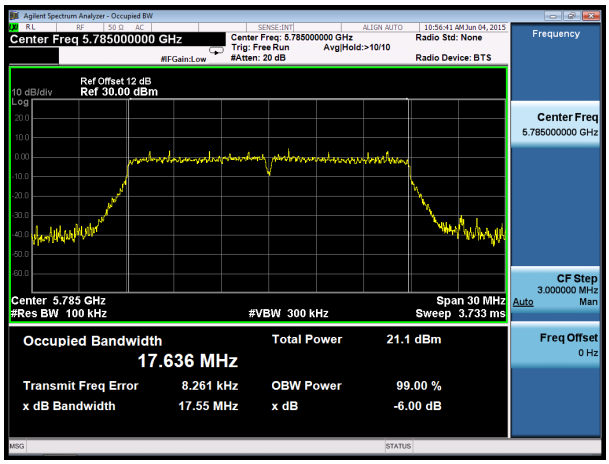
Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(20MHz) Ant 1
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
149	5745	17.63	Pass
157	5785	17.55	Pass
165	5825	17.53	Pass

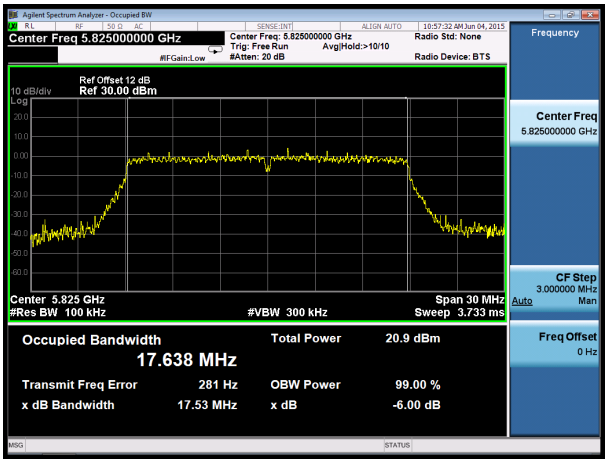
Channel 149 (5745MHz)



Channel 157 (5785MHz)

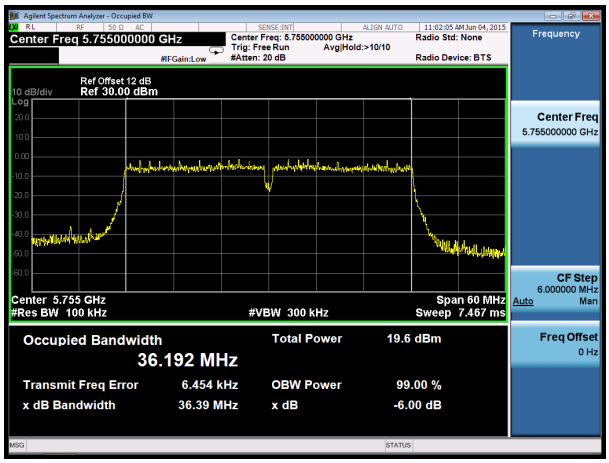
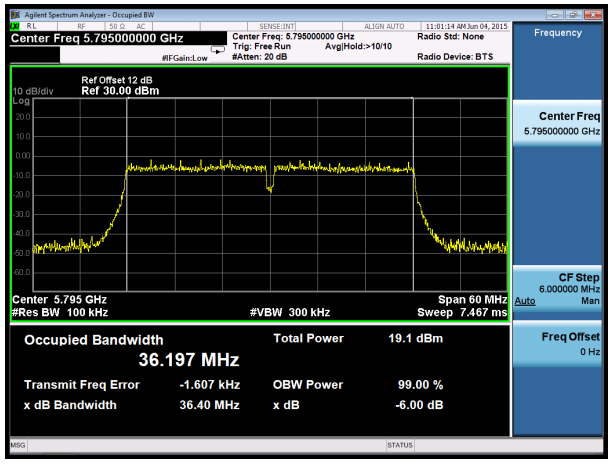


Channel 165 (5825MHz)



Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(40MHz) Ant 1
Test Date	2015-06-04

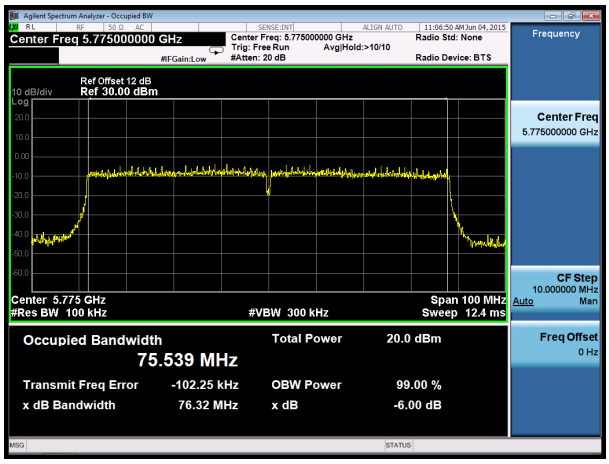
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
151	5755	36.39	Pass
159	5795	36.40	Pass

Channel 151 (5755MHz)	Channel 159(5795MHz)
	

Test Item	6dB Bandwidth Measurement
Test Mode	Transmit by 802.11ac(80MHz) Ant 1
Test Date	2015-06-04

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Result
155	5775	76.32	Pass

Channel 155 (5775MHz)



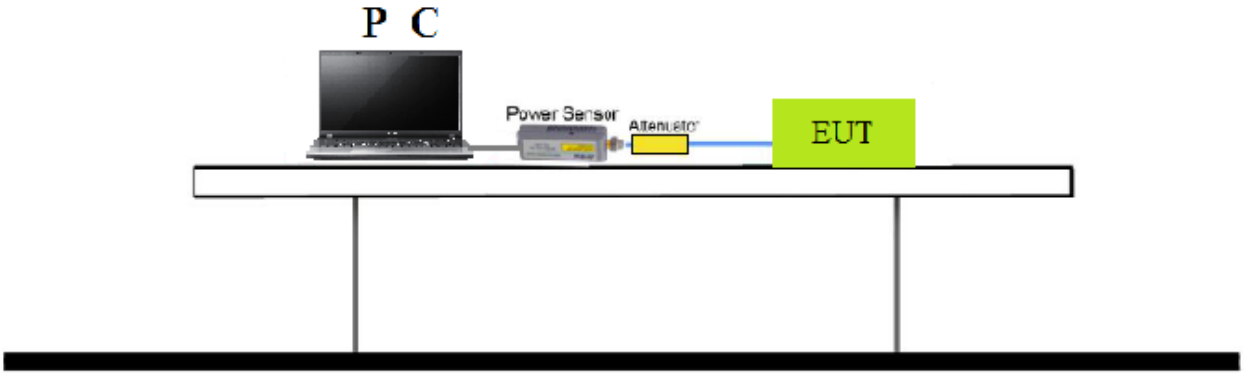
8. Power Output

8.1 Test Equipment

Instrument	Manufacturer	Type No.	Serial No.	Calibration Date	Valid Date.
PC	Lenovo	E40-70	MP078UQV	N/A	N/A
POWER SENSOR	Agilent	U2021XA	MY53260020	2015/03/27	2016/03/26
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-003	2015.03.31	2016.03.30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2 Test Setup



8.3 Limit

- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).
- For the band 5.25-5.35 GHz and 5.47-5725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- For the band 5.725-5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1 W or 17 dBm + 10log B, where B is the 26 dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antenna with directional gain up to 23 dBi without any corresponding reduction in the transmitter peak output power. For fixed, point-to-point U-NII transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in peak transmitter power for each 1 dB of antenna gain in excess of 23 dBi would be required.

5.15-5.25 GHz: Limit (dBm) = 30dBm-(7.01dBi-6dBi)=28.99dBi；

5.725-5.85 GHz Limit (dBm) = 30dBm-(7.01dBi-6dBi)=28.99dBi.

8.4 Test Procedure

The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements. Use the wideband power meter to test RMS power and record the result.

8.5 Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)				
		802.11a	20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
0	1	6	6.5	7.2	13.5	15.0
1	1	9	13.0	14.4	27.0	30.0
2	1	12	19.5	21.7	40.5	45.0
3	1	18	26.0	28.9	54.0	60.0
4	1	24	39.0	43.3	81.0	90.0
5	1	36	52.0	57.8	108.0	120.0
6	1	48	58.5	65.0	121.5	135.0
7	1	54	65.0	72.2	135.0	150.0
8	2	---	13.0	14.4	27.0	30.0
9	2	---	26.0	28.9	54.0	60.0
10	2	---	39.0	43.3	81.0	90.0
11	2	---	52.0	57.8	108.0	120.0
12	2	---	78.0	86.7	162.0	180.0
13	2	---	104.0	115.6	216.0	240.0
14	2	---	117.0	130.0	243.0	270.0
15	2	---	130.0	144.0	270.0	300.0

Spatial Streams	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20MHz		40MHz		80MHz		160MHz	
				Guard Interval		Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5	58.5	65
	1	QPSK	1/2	13	14.4	27	30	58.5	65	117	130
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5	175.5	195
	3	16-QAM	1/2	26	28.9	54	60	117	130	234	260
	4	16-QAM	3/4	39	43.3	81	90	175.5	195	351	390
	5	64-QAM	2/3	52	57.8	108	120	234	260	468	520
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5	526.5	585
	7	64-QAM	5/6	65	72.2	135	150	292.5	325	585	650
	8	256-QAM	3/4	78	86.7	162	180	351	390	702	780
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3	780	866.7
2	0	BPSK	1/2	13	14.4	27	30	58.6	65	117	130
	1	QPSK	1/2	26	28.8	54	60	117	130	234	260
	2	QPSK	3/4	39	43.4	81	90	175.6	195	351	390
	3	16-QAM	1/2	52	57.8	108	120	234	260	468	520
	4	16-QAM	3/4	78	86.6	162	180	351	390	702	780
	5	64-QAM	2/3	104	115.6	216	240	468	520	936	1040
	6	64-QAM	3/4	117	130	243	270	526.6	585	1053	1170
	7	64-QAM	5/6	130	144.4	270	300	585	650	1170	1300
	8	256-QAM	3/4	156	173.4	324	360	702	780	1404	1560
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6	1560	1733.4

Power output at various data rates

Test Mode	Bandwidth	Frequency (MHz)	Channel	Data Rate	Average Power (dBm)
802.11a (Ant 0)	20	5180	36	6	16.63
				24	16.45
				54	16.32
802.11n(20MHz) (Ant 0)	20	5180	36	MCS0	16.64
				MCS3	16.43
				MCS7	16.30
802.11n(40MHz) (Ant 0)	40	5190	38	MCS0	15.02
				MCS3	14.93
				MCS7	14.87
802.11ac(20MHz) (Ant 0)	20	5180	36	MCS0NSS1	16.56
				MCS5NSS1	16.51
				MCS9NSS1	16.38
802.11ac(40MHz) (Ant 0)	40	5190	38	MCS0NSS1	15.25
				MCS5NSS1	15.17
				MCS9NSS1	15.08
802.11ac(80MHz) (Ant 0)	80	5210	42	MCS0NSS1	15.86
				MCS5NSS1	15.68
				MCS9NSS1	15.59

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power Output(dBm)	Limit (dBm)	Result
				Ant 0		
802.11a	13	36	5180	16.63	30	Pass
		40	5200	16.50	30	Pass
		48	5240	16.39	30	Pass
		149	5745	17.01	30	Pass
		157	5785	17.13	30	Pass
		165	5825	16.94	30	Pass
802.11n(20MHz)	13	36	5180	16.64	30	Pass
		40	5200	16.44	30	Pass
		48	5240	16.45	30	Pass
		149	5745	16.53	30	Pass
		157	5785	16.83	30	Pass
		165	5825	16.49	30	Pass
802.11n(40MHz)	27	38	5190	15.02	30	Pass
		46	5230	15.05	30	Pass
		151	5755	15.24	30	Pass
		159	5795	15.05	30	Pass
802.11ac(20MHz)	13	36	5180	16.56	30	Pass
		40	5200	16.28	30	Pass
		48	5240	16.42	30	Pass
		149	5745	16.12	30	Pass
		157	5785	16.94	30	Pass
		165	5825	16.65	30	Pass
802.11ac(40MHz)	27	38	5190	15.25	30	Pass
		46	5230	15.18	30	Pass
		151	5755	15.40	30	Pass
		159	5795	15.31	30	Pass
802.11ac(80MHz)	58.6	42	5210	15.86	30	Pass
		155	5775	16.41	30	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power Output(dBm)	Limit (dBm)	Result
				Ant 1		
802.11a	13	36	5180	17.15	30	Pass
		40	5200	17.08	30	Pass
		48	5240	17.03	30	Pass
		149	5745	17.14	30	Pass
		157	5785	17.24	30	Pass
		165	5825	17.14	30	Pass
802.11n(20MHz)	13	36	5180	17.10	30	Pass
		40	5200	16.93	30	Pass
		48	5240	16.98	30	Pass
		149	5745	16.34	30	Pass
		157	5785	17.28	30	Pass
		165	5825	17.03	30	Pass
802.11n(40MHz)	27	38	5190	15.78	30	Pass
		46	5230	15.67	30	Pass
		151	5755	15.77	30	Pass
		159	5795	15.59	30	Pass
802.11ac(20MHz)	13	36	5180	17.44	30	Pass
		40	5200	17.16	30	Pass
		48	5240	17.26	30	Pass
		149	5745	17.35	30	Pass
		157	5785	17.30	30	Pass
		165	5825	17.14	30	Pass
802.11ac(40MHz)	27	38	5190	15.96	30	Pass
		46	5230	16.00	30	Pass
		151	5755	15.91	30	Pass
		159	5795	15.85	30	Pass
802.11ac(80MHz)	58.6	42	5210	16.62	30	Pass
		155	5775	16.76	30	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Average Power Output(dBm)		Total Power Output(dBm)	Limit (dBm)	Result
				Ant (0+1)				
				Ant 0	Ant 1			
802.11n(20MHz)	13	36	5180	16.25	16.85	19.57	28.99	Pass
		40	5200	15.99	16.77	19.41	28.99	Pass
		48	5240	16.07	16.57	19.34	28.99	Pass
		149	5745	15.24	15.31	18.29	28.99	Pass
		157	5785	16.66	16.71	19.70	28.99	Pass
		165	5825	16.46	16.72	19.60	28.99	Pass
802.11n(40MHz)	27	38	5190	14.94	15.68	18.34	28.99	Pass
		46	5230	14.71	15.64	18.21	28.99	Pass
		151	5755	14.96	15.16	18.07	28.99	Pass
		159	5795	14.82	15.01	17.93	28.99	Pass
802.11ac(20MHz)	13	36	5180	16.27	16.8	19.55	28.99	Pass
		40	5200	15.98	16.78	19.41	28.99	Pass
		48	5240	16.16	16.79	19.50	28.99	Pass
		149	5745	16.56	16.75	19.67	28.99	Pass
		157	5785	16.55	16.8	19.69	28.99	Pass
		165	5825	16.54	16.57	19.57	28.99	Pass
802.11ac(40MHz)	27	38	5190	15.07	15.69	18.40	28.99	Pass
		46	5230	15.14	15.6	18.39	28.99	Pass
		151	5755	15.44	15.62	18.54	28.99	Pass
		159	5795	15.36	15.58	18.48	28.99	Pass
802.11ac(80MHz)	58.6	42	5210	15.71	16.11	18.92	28.99	Pass
		155	5775	15.7	15.83	18.78	28.99	Pass

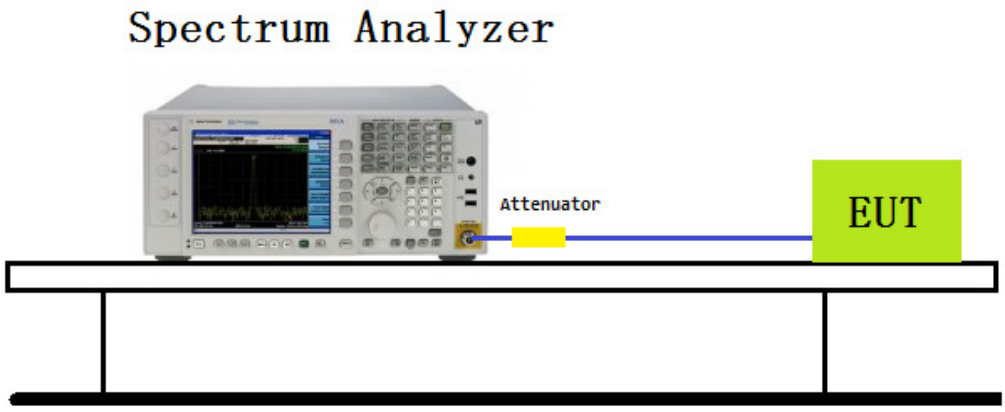
9. Power Spectral Density

9.1 Test Equipment

Instrument	Manufacturer	Type No.	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	Agilent	N9010A	MY53400169	2014.11.03	2015.11.03
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-003	2015.03.31	2016.03.30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2 Test Setup



9.3 Limit

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.
For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.
If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.15-5.25 GHz: Limit (dBm) = 17dBm-(7.01dBi-6dBi)=15.99dBm

5.725-5.85 GHz Limit (dBm/500kHz) = 30dBm/500kHz-(7.01dBi-6dBi)=28.99 dBm

9.4 Test Procedure

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 100 kHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (RMS)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor 10*log(500kHz/100kHz) = 7 dB to the measured result.

9.5 Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm) Ant 0	Duty Cycle(%)	Limit (dBm)	Result
802.11a	13	36	5180	6.023	93	17	Pass
		40	5200	5.205		17	Pass
		48	5240	5.359		17	Pass
802.11n(20MHz)	13	36	5180	5.387	94	17	Pass
		40	5200	4.899		17	Pass
		48	5240	5.333		17	Pass
802.11n(40MHz)	27	38	5190	1.007	87	17	Pass
		46	5230	1.106		17	Pass
802.11ac(20MHz)	13	36	5180	5.54	99	17	Pass
		40	5200	5.502		17	Pass
		48	5240	5.699		17	Pass
802.11ac(40MHz)	27	38	5190	1.222	93	17	Pass
		46	5230	1.247		17	Pass
802.11ac(80MHz)	58.6	42	5210	-1.362	87	17	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm) Ant 0	Duty Cycle(%)	Constant Factor	Limit (dBm)	Result
802.11a	13	149	5745	-2.178	93	7	30	Pass
		157	5785	-1.991		7	30	Pass
		165	5825	-3.208		7	30	Pass
802.11n(20MHz)	13	149	5745	-2.976	94	7	30	Pass
		157	5785	-2.628		7	30	Pass
		165	5825	-3.210		7	30	Pass
802.11n(40MHz)	27	149	5745	-7.618	87	7	30	Pass
		157	5785	-7.721		7	30	Pass
802.11ac(20MHz)	13	149	5745	-3.85	99	7	30	Pass
		157	5785	-2.98		7	30	Pass
		165	5825	-2.788		7	30	Pass
802.11ac(40MHz)	27	149	5745	-7.033	93	7	30	Pass
		157	5785	-7.228		7	30	Pass
802.11ac(80MHz)	58.6	155	5775	-9.972	87	7	30	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm) Ant 1	Duty Cycle(%)	Limit (dBm)	Result
802.11a	13	36	5180	5.193	93	17	Pass
		40	5200	5.447		17	Pass
		48	5240	5.484		17	Pass
802.11n(20MHz)	13	36	5180	5.336	94	17	Pass
		40	5200	4.817		17	Pass
		48	5240	5.468		17	Pass
802.11n(40MHz)	27	38	5190	0.952	87	17	Pass
		46	5230	0.862		17	Pass
802.11ac(20MHz)	13	36	5180	5.39	99	17	Pass
		40	5200	5.179		17	Pass
		48	5240	5.593		17	Pass
802.11ac(40MHz)	27	38	5190	0.789	93	17	Pass
		46	5230	0.961		17	Pass
802.11ac(80MHz)	58.6	42	5210	-1.532	87	17	Pass

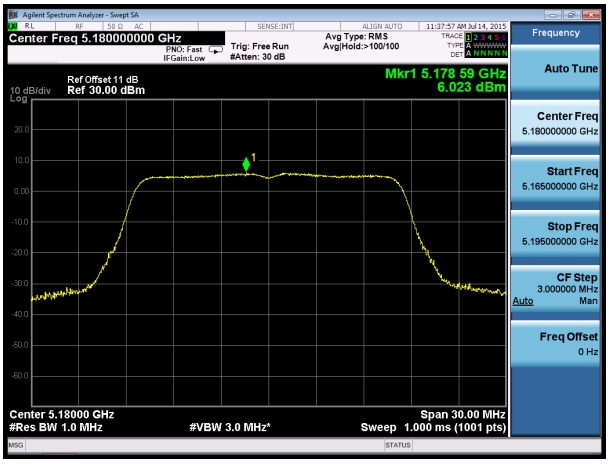
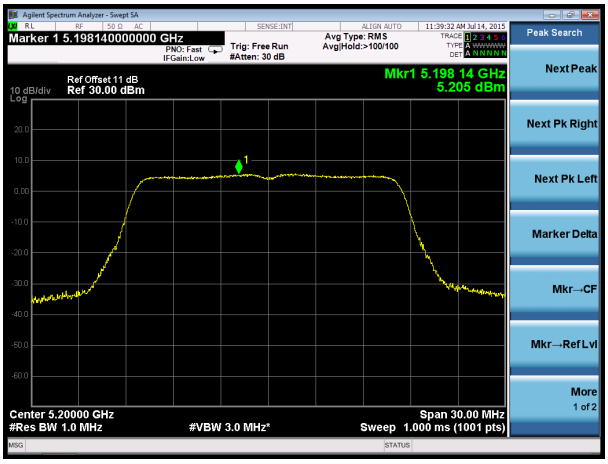
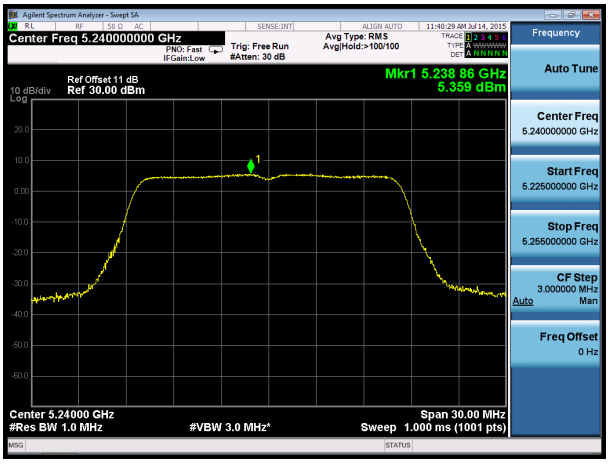
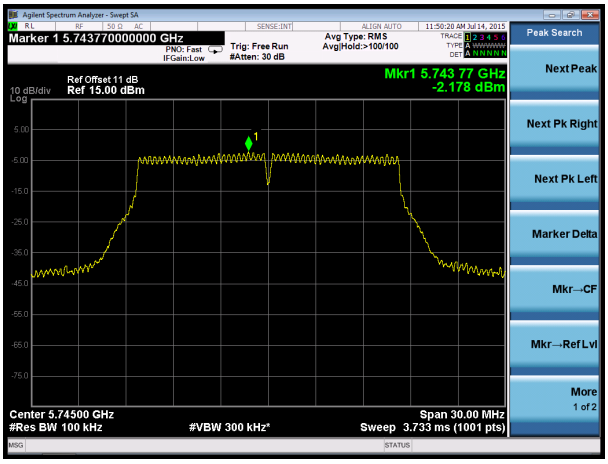
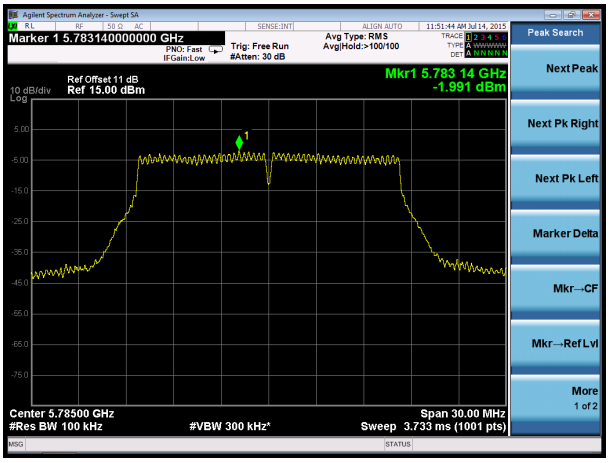
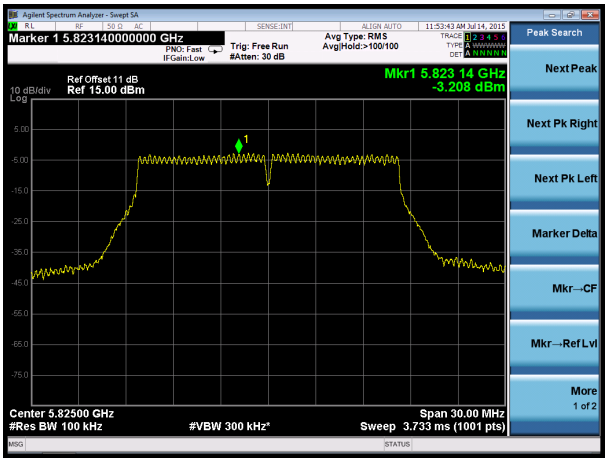
Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm) Ant 1	Duty Cycle(%)	Constant Factor	Limit (dBm)	Result
802.11a	13	149	5745	-2.838	93	7	30	Pass
		157	5785	-2.186		7	30	Pass
		165	5825	-3.030		7	30	Pass
802.11n(20MHz)	13	149	5745	-3.466	94	7	30	Pass
		157	5785	-2.686		7	30	Pass
		165	5825	-2.864		7	30	Pass
802.11n(40MHz)	27	149	5745	-7.748	87	7	30	Pass
		157	5785	-7.312		7	30	Pass
802.11ac(20MHz)	13	149	5745	-3.572	99	7	30	Pass
		157	5785	-3.313		7	30	Pass
		165	5825	-3.526		7	30	Pass
802.11ac(40MHz)	27	149	5745	-7.747	93	7	30	Pass
		157	5785	-7.558		7	30	Pass
802.11ac(80MHz)	58.6	155	5775	-10.316	87	7	30	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm)		Duty Cycle(%)	Total PSD(dBm)	Limit (dBm)	Result
				Ant 0+1					
				Ant 0	Ant 1				
802.11n(20MHz)	13	36	5180	5.89	5.53	94	8.99	15.99	Pass
		40	5200	5.97	5.50		9.02	15.99	Pass
		48	5240	6.28	5.72		9.29	15.99	Pass
802.11n(40MHz)	27	38	5190	1.83	1.04	87	5.06	15.99	Pass
		46	5230	1.67	1.29		5.09	15.99	Pass
802.11ac(20MHz)	13	36	5180	6.01	5.83	99	8.93	15.99	Pass
		40	5200	5.68	5.35		8.53	15.99	Pass
		48	5240	5.84	5.51		8.69	15.99	Pass
802.11ac(40MHz)	27	38	5190	1.22	1.20	93	4.54	15.99	Pass
		46	5230	1.43	1.26		4.68	15.99	Pass
802.11ac(80MHz)	58.6	42	5210	-1.79	-1.55	87	1.94	15.99	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	PSD(dBm)		Duty Cycle(%)	Constant Factor	Total PSD (dBm)	Limit (dBm)	Result
				Ant 0+1						
				Ant 0	Ant 1					
802.11n(20MHz)	13	149	5745	-3.54	-4.30	94	7	6.38	28.99	Pass
		157	5785	-2.24	-2.39		7	7.97	28.99	Pass
		165	5825	-2.39	-3.21		7	7.50	28.99	Pass
802.11n(40MHz)	27	149	5745	-7.00	-7.63	87	7	3.31	28.99	Pass
		157	5785	-6.88	-7.13		7	3.61	28.99	Pass
802.11ac(20MHz)	13	149	5745	-2.12	-2.84	99	7	7.55	28.99	Pass
		157	5785	-1.90	-2.84		7	7.67	28.99	Pass
		165	5825	-2.26	-2.84		7	7.79	28.99	Pass
802.11ac(40MHz)	27	149	5745	-7.05	-7.33	93	7	3.14	28.99	Pass
		157	5785	-6.82	-7.34		7	3.54	28.99	Pass
802.11ac(80MHz)	58.6	155	5775	-10.00	-10.12	87	7	0.55	28.99	Pass

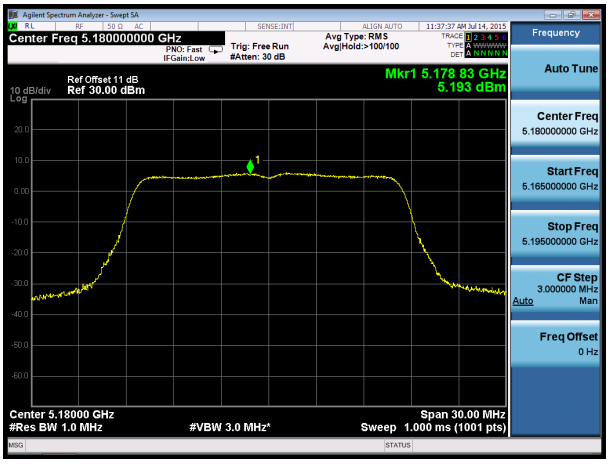
Note:

1. When EUT duty cycle < 98%, the total PSD = 10*log{10(Ant 0 PSD/10)+10(Ant 1 PSD/10)} + 10*log(1/duty cycle) + Constant Factor.
2. PSD unite: dBm/500KHz

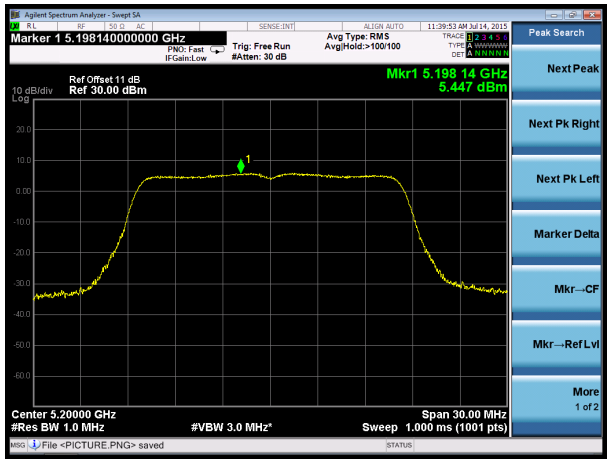
802.11a Power Spectral Density- Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11a Power Spectral Density- Ant 1

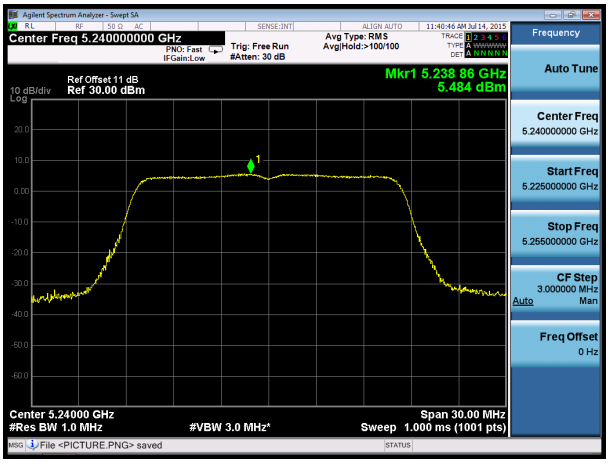
Channel 36 (5180MHz)



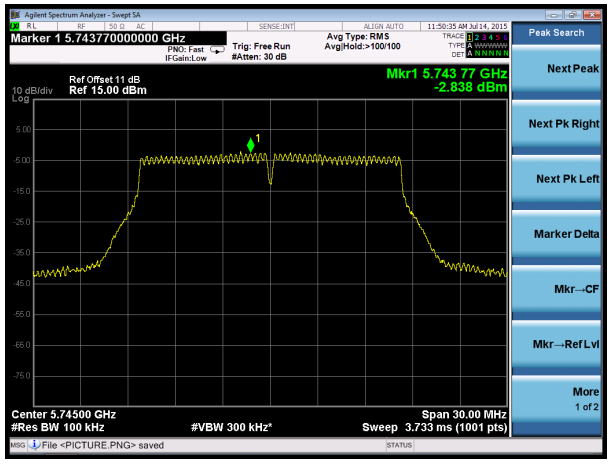
Channel 40 (5200MHz)



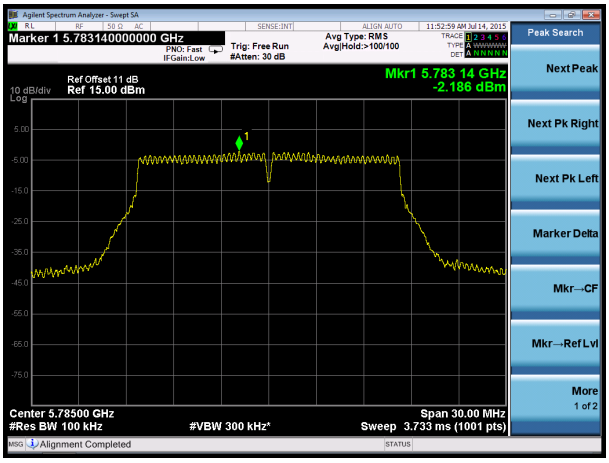
Channel 48 (5240MHz)



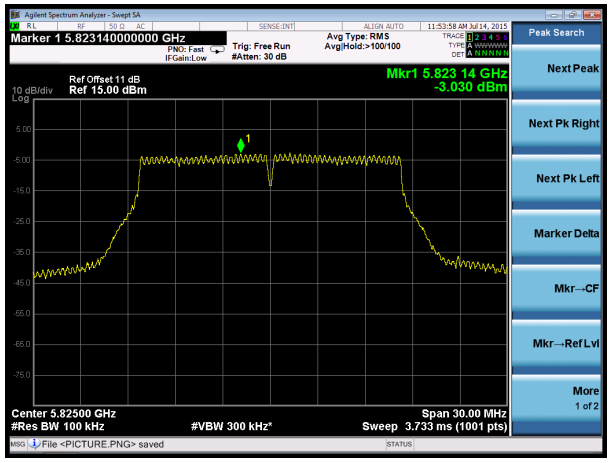
Channel 149 (5745MHz)

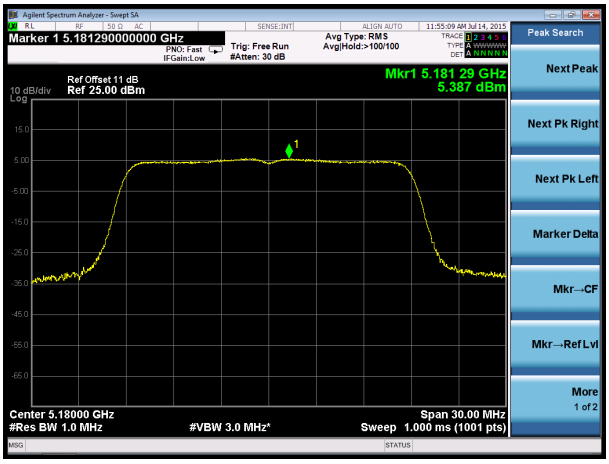
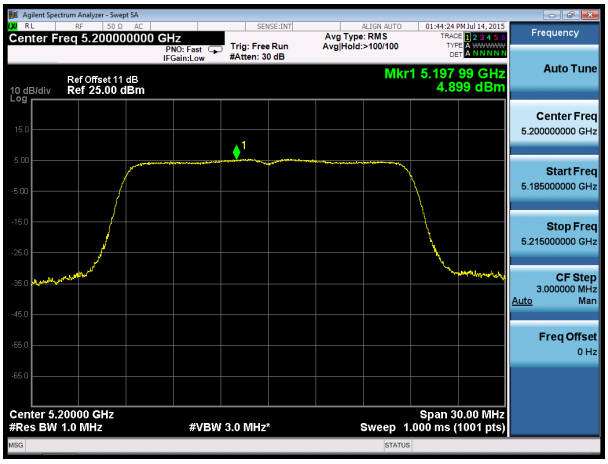
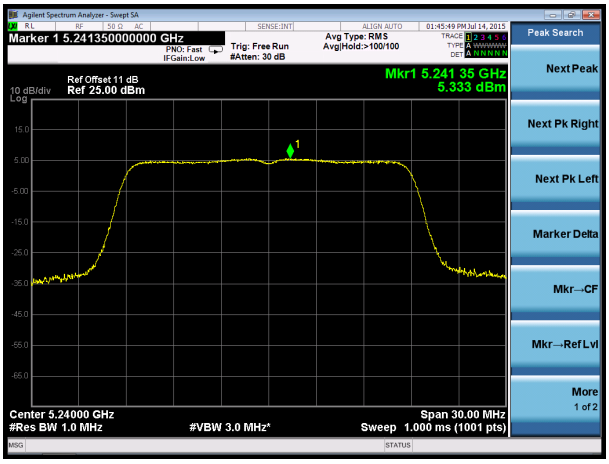
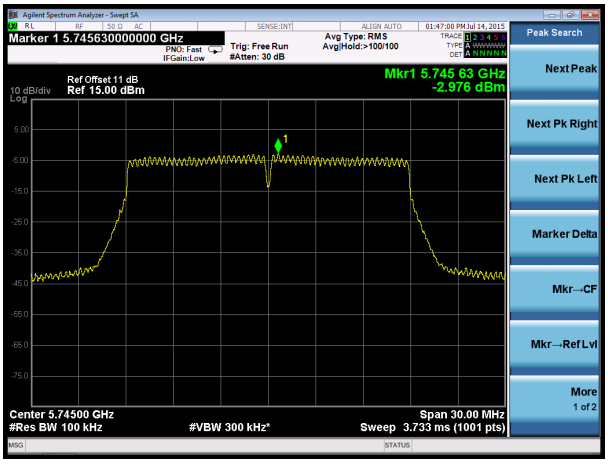
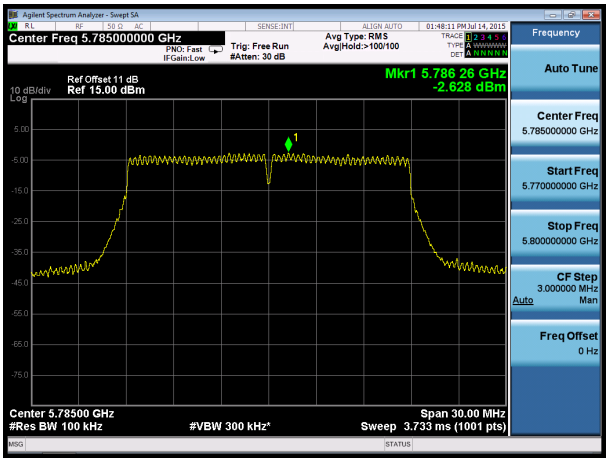
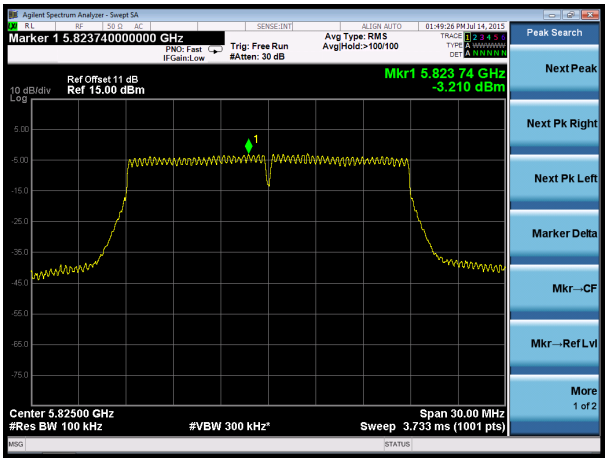


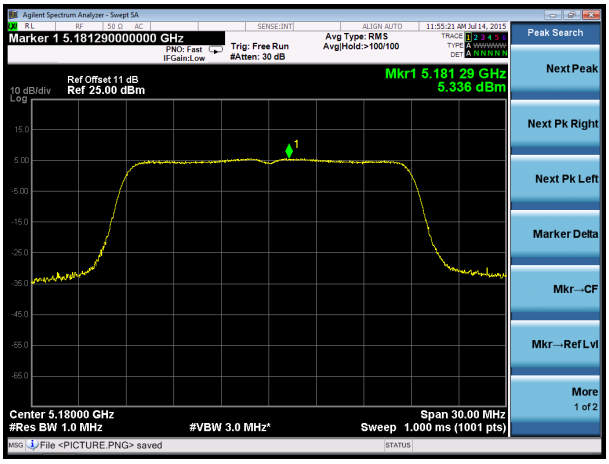
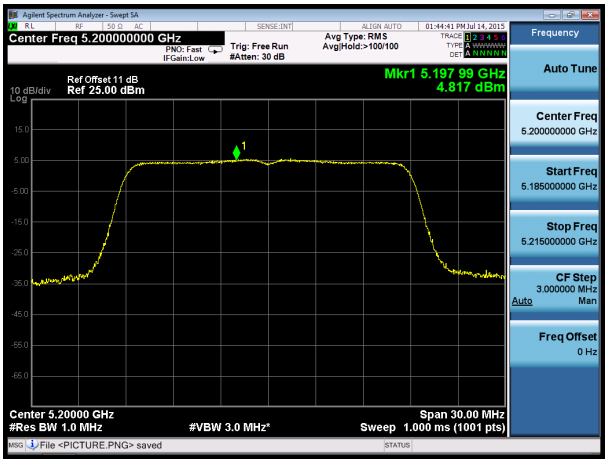
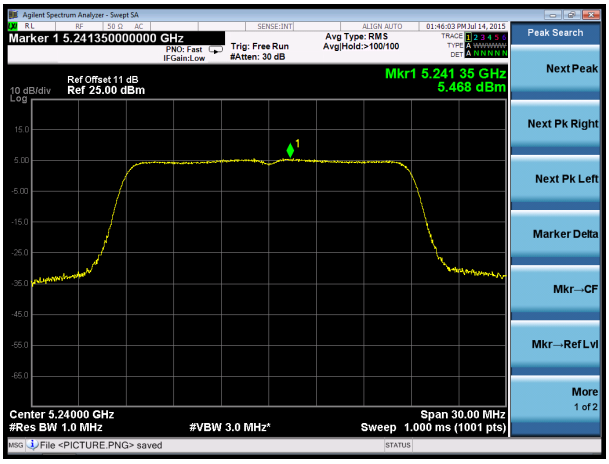
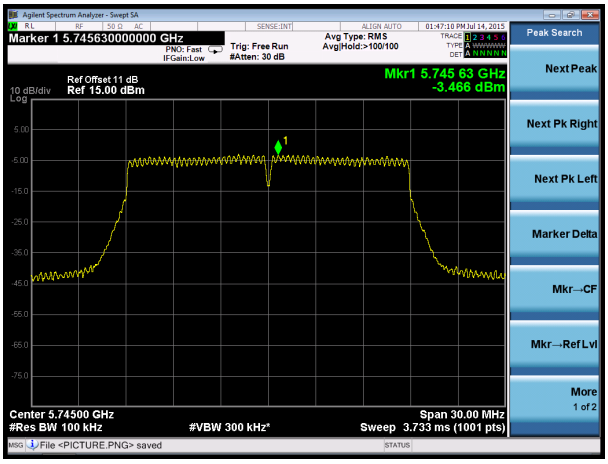
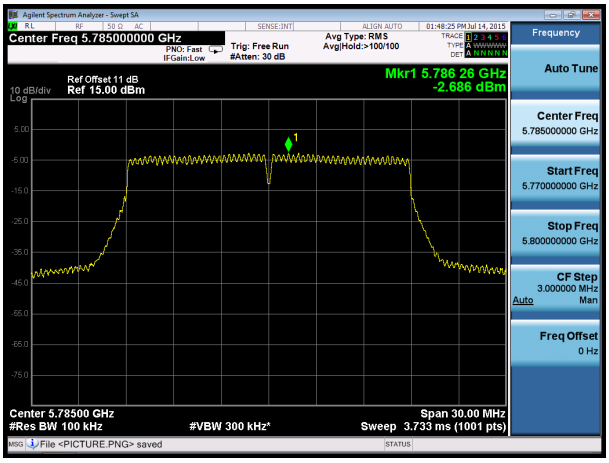
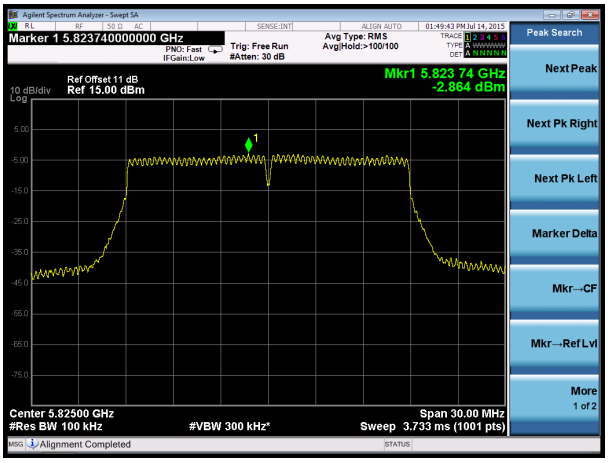
Channel 157 (5785MHz)

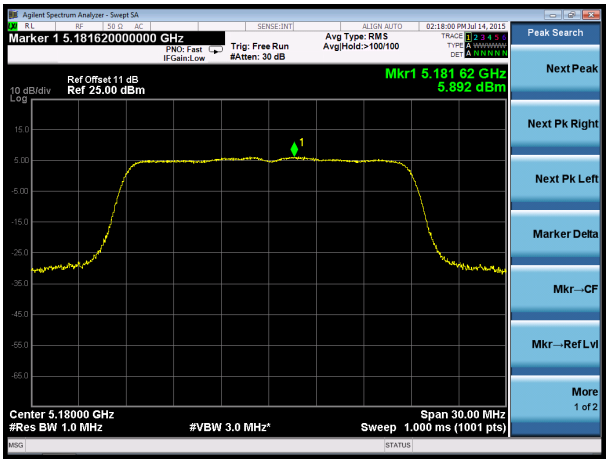
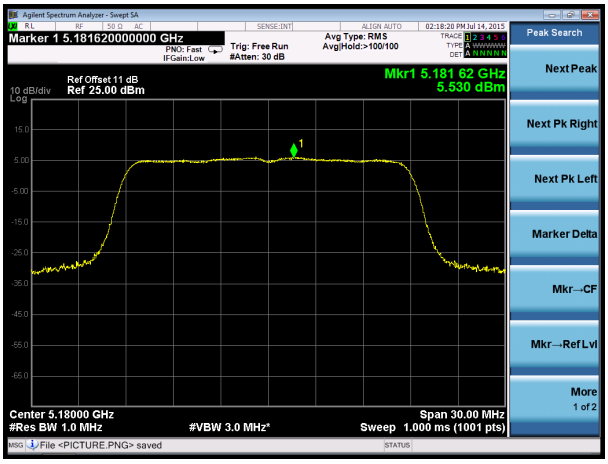
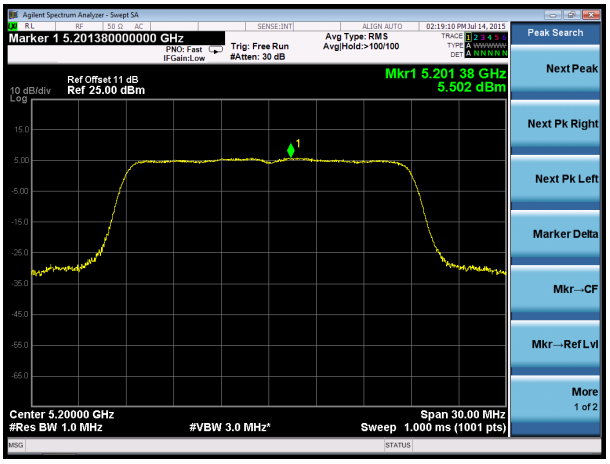
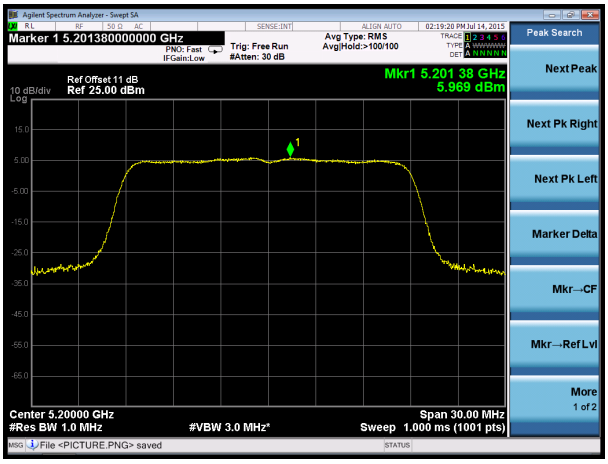
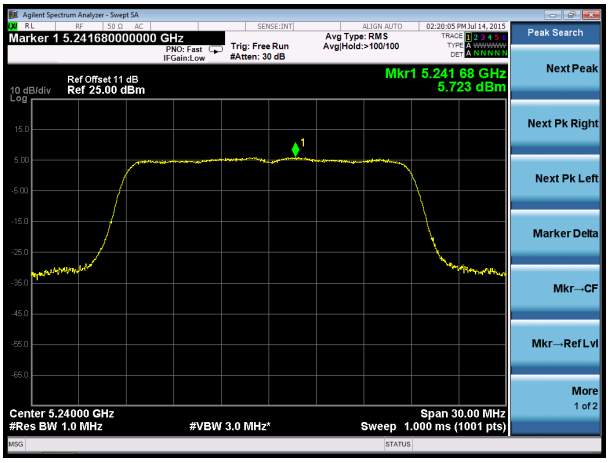
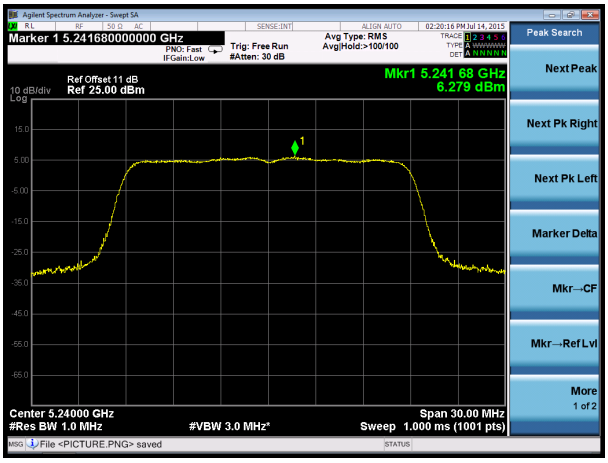


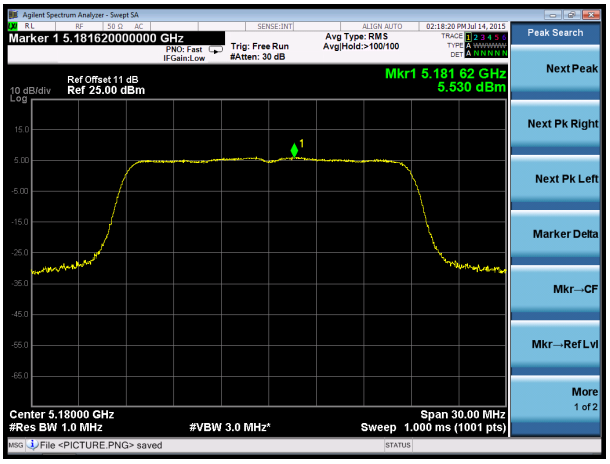
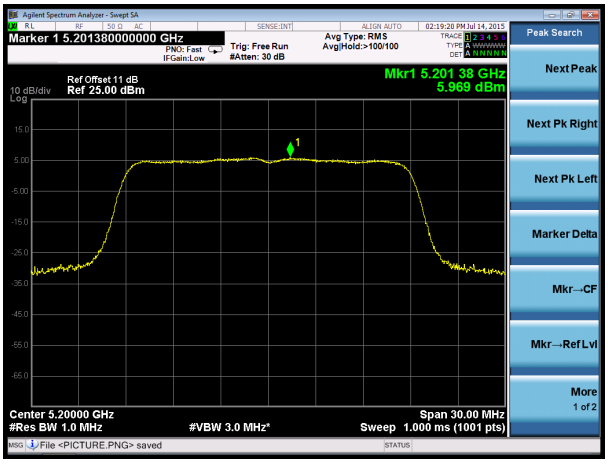
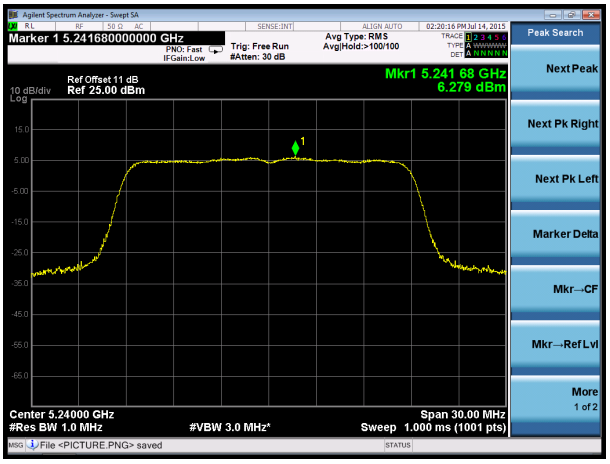
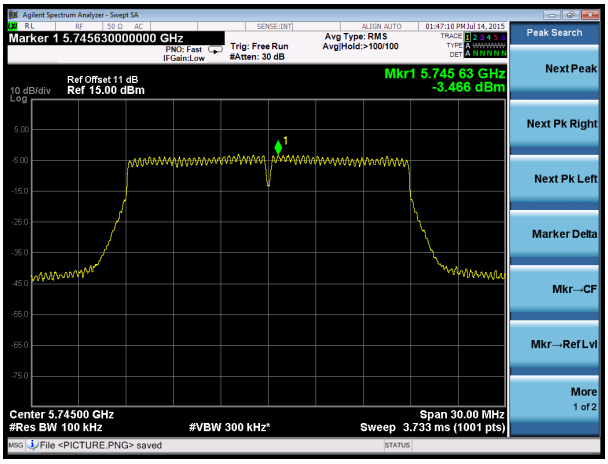
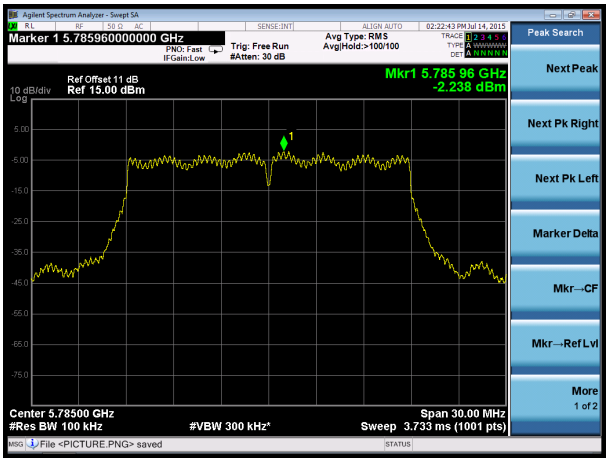
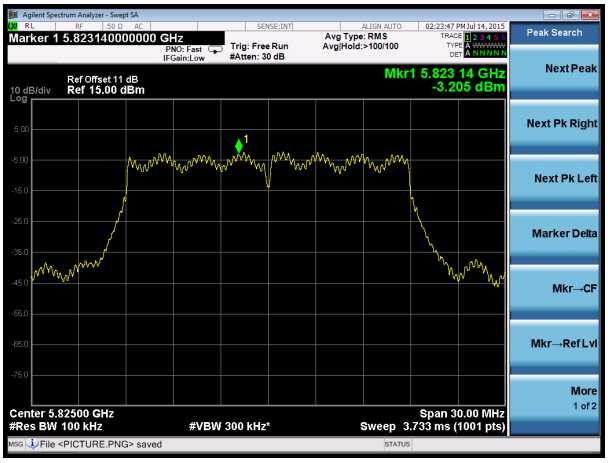
Channel 165 (5825MHz)

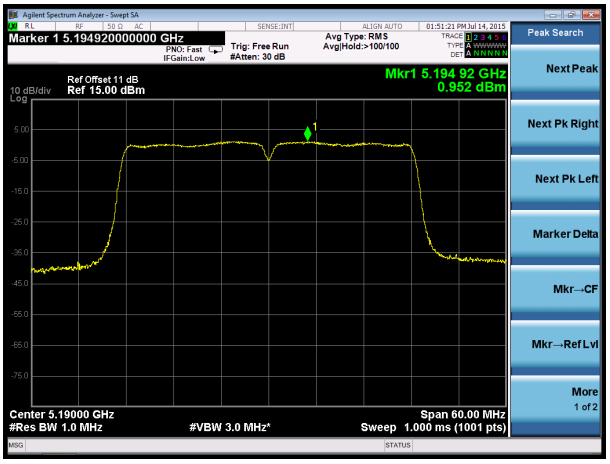
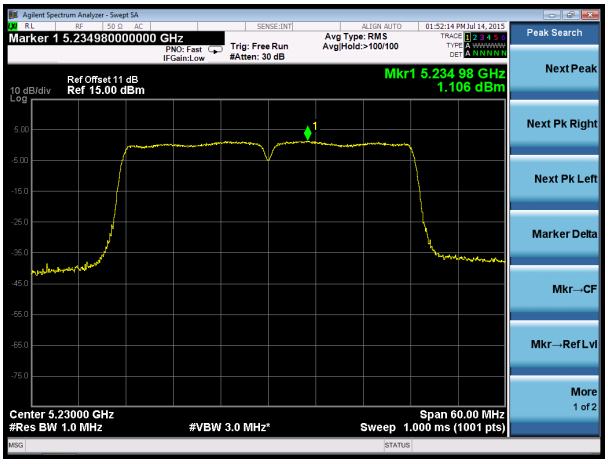
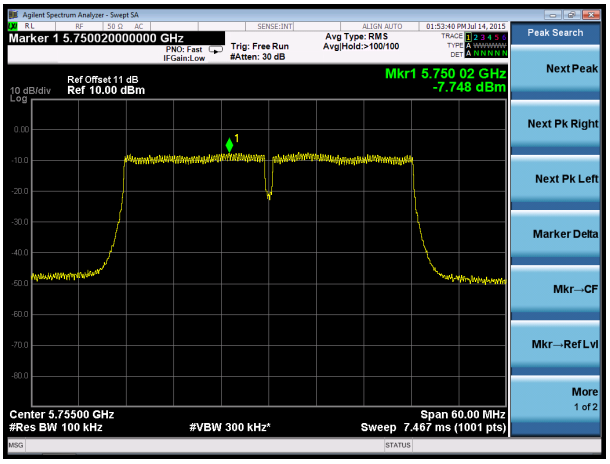
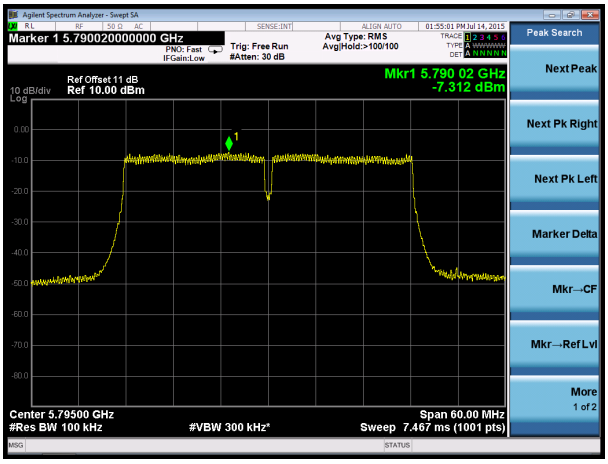


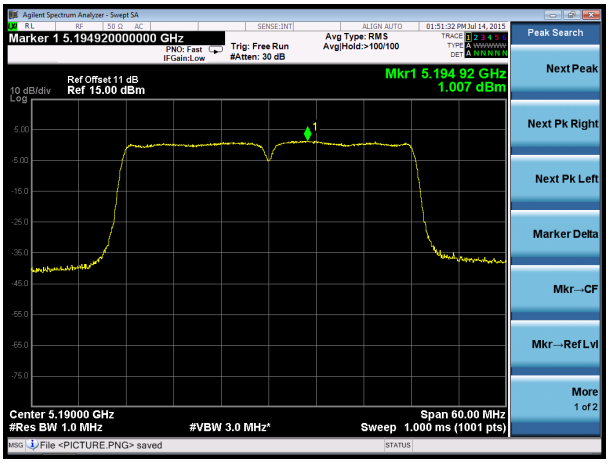
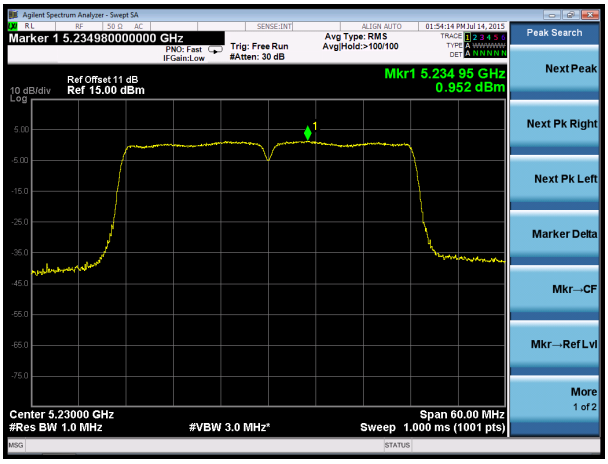
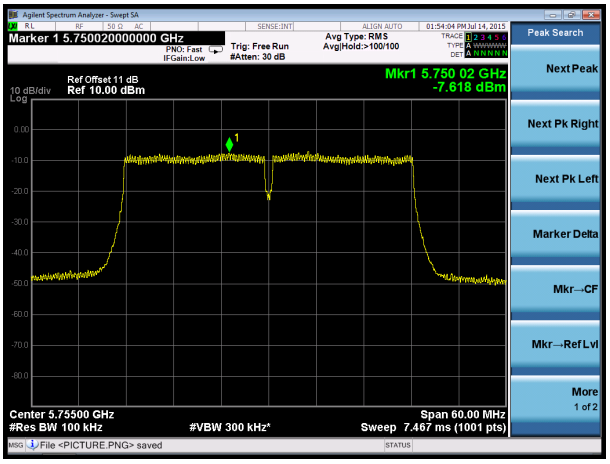
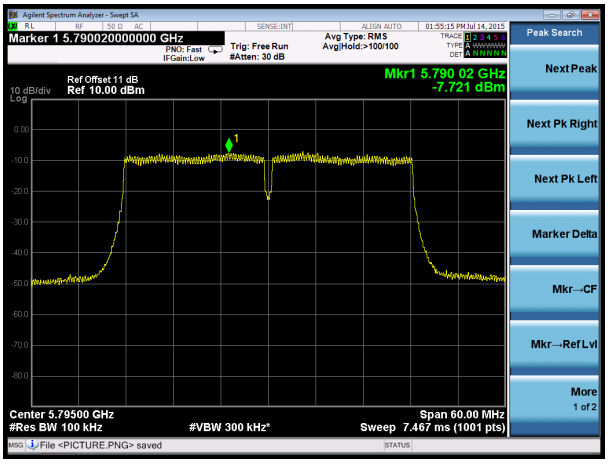
802.11n20 Power Spectral Density- Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

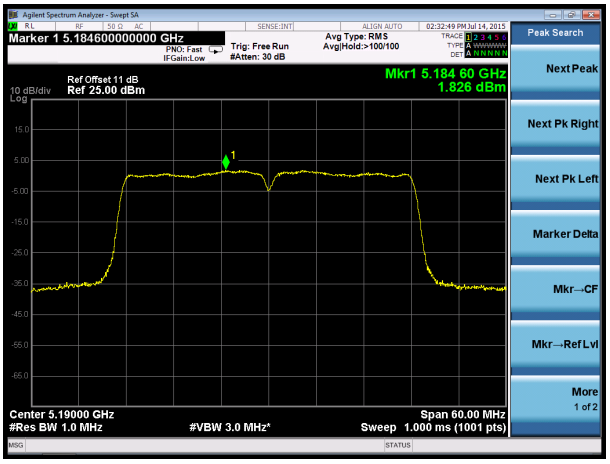
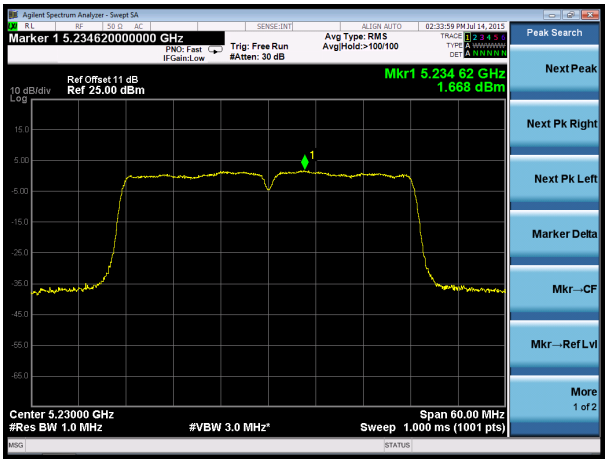
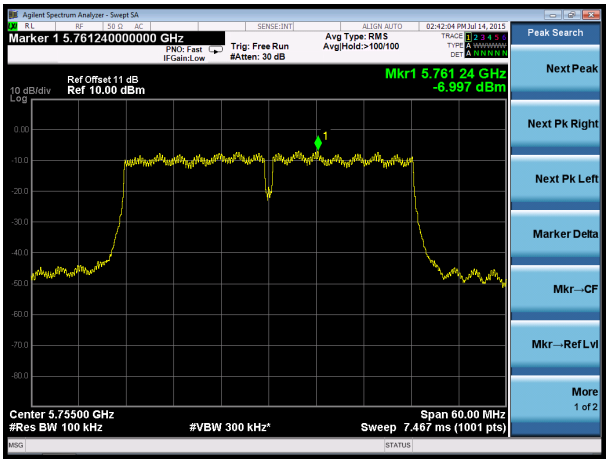
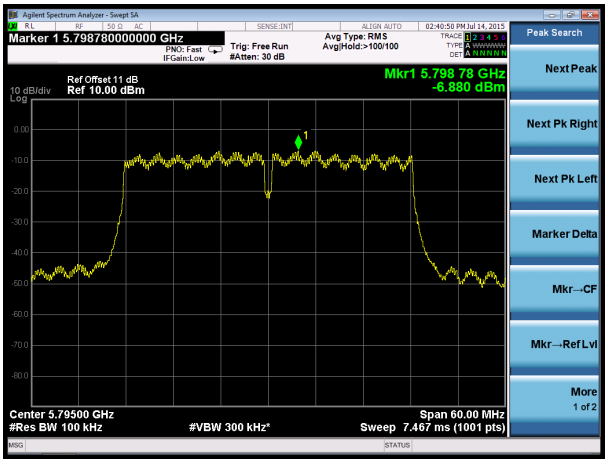
802.11n20 Power Spectral Density- Ant 1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

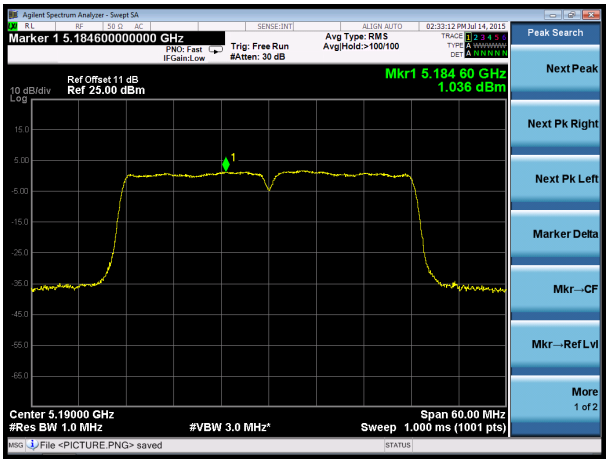
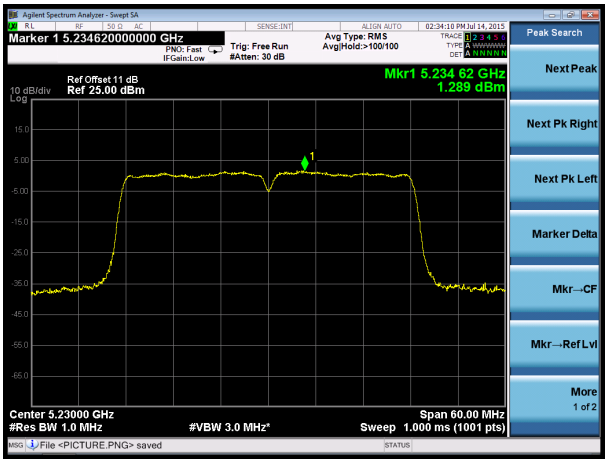
802.11n20 Power Spectral Density- Ant 0+1-0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n20 Power Spectral Density- Ant 0+1-1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n(40MHz) Power Spectral Density- Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 155 (5755MHz)	Channel 159 (5795MHz)
	

802.11n(40MHz) Power Spectral Density- Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 155 (5755MHz)	Channel 159 (5795MHz)
	

802.11n(40MHz) Power Spectral Density- Ant 0+1-0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 155 (5755MHz)	Channel 159 (5795MHz)
	

802.11n(40MHz) Power Spectral Density- Ant 0+1-1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 155 (5755MHz)	Channel 159 (5795MHz)