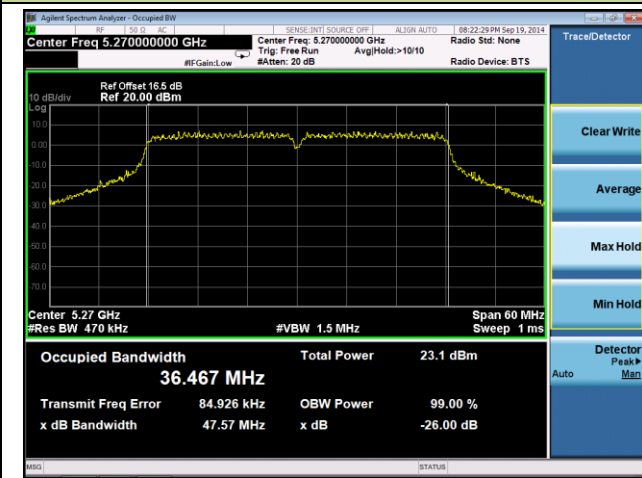
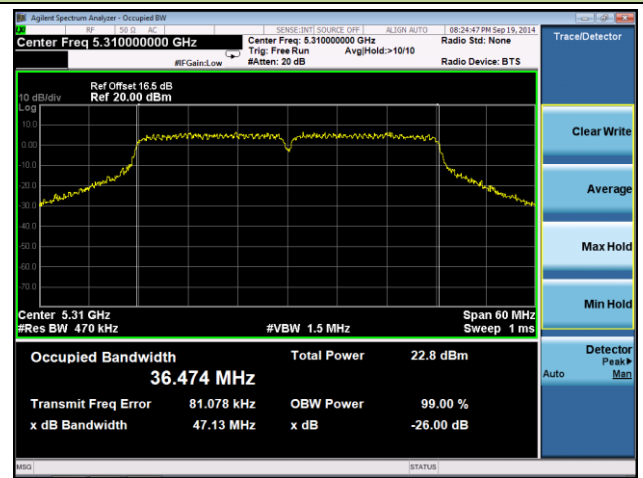


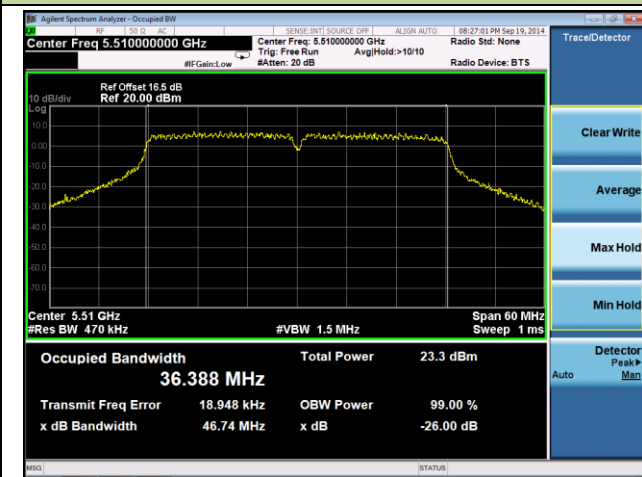
Channel 54 (5270MHz)



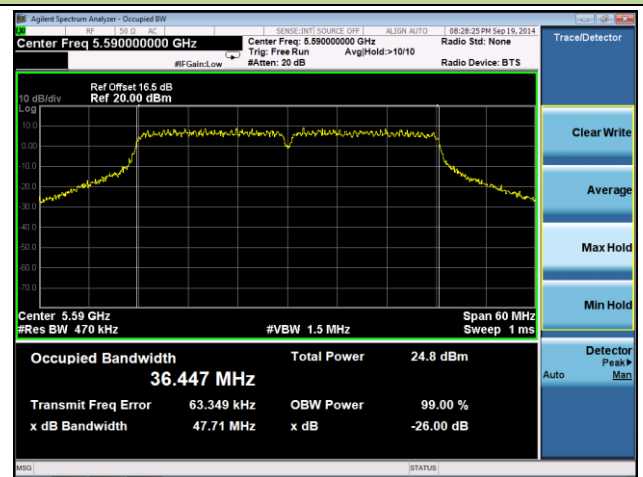
Channel 62 (5310MHz)



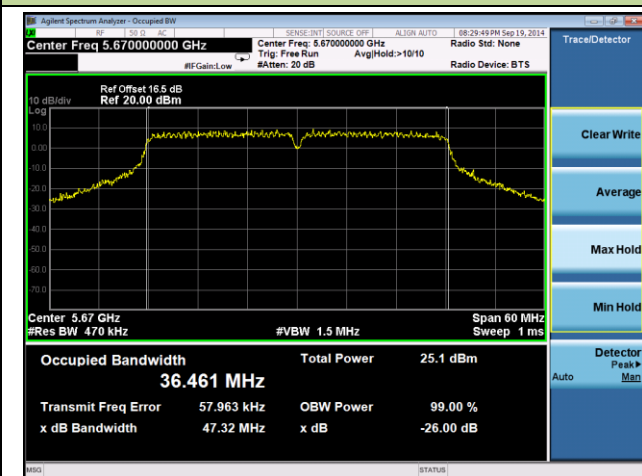
Channel 102 (5510MHz)



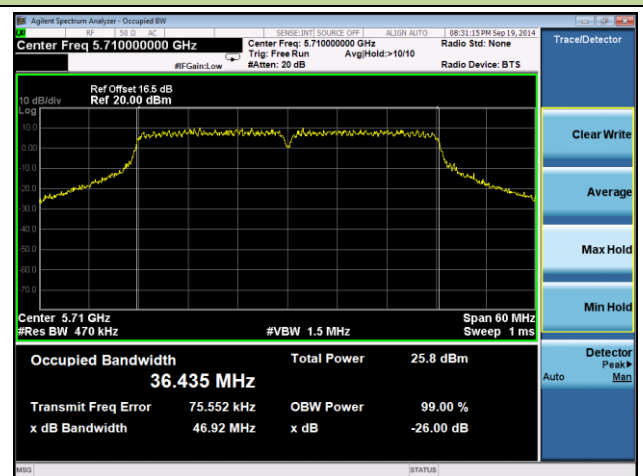
Channel 118 (5590MHz)

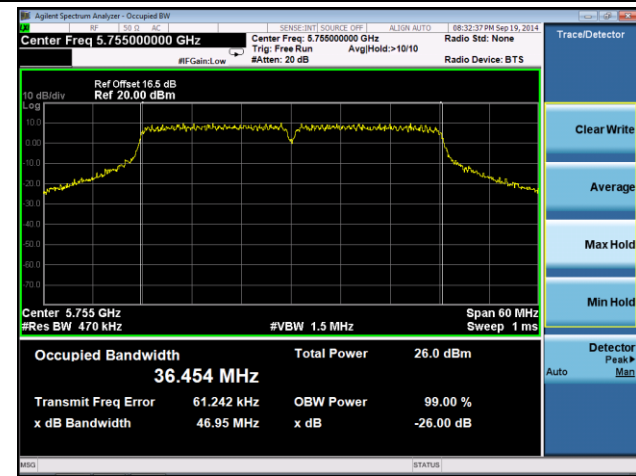
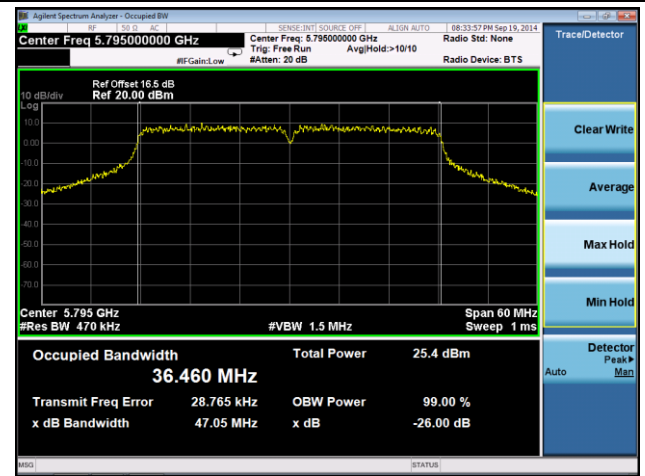
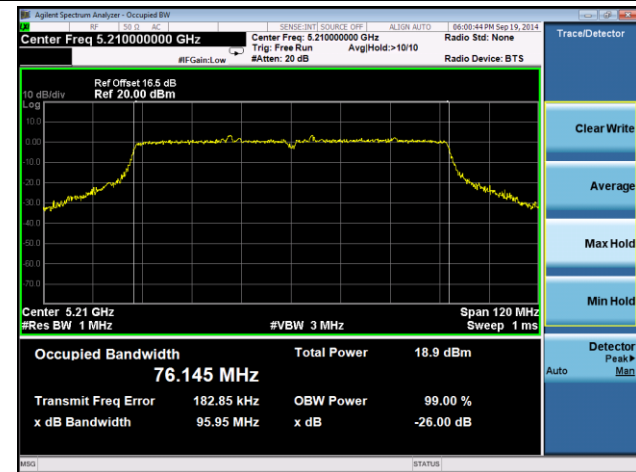
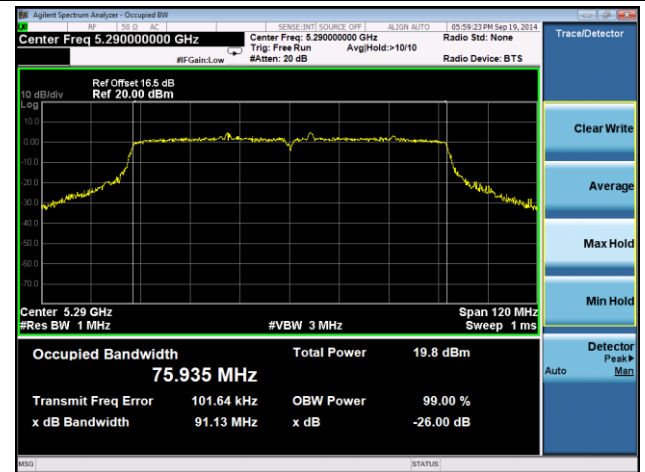
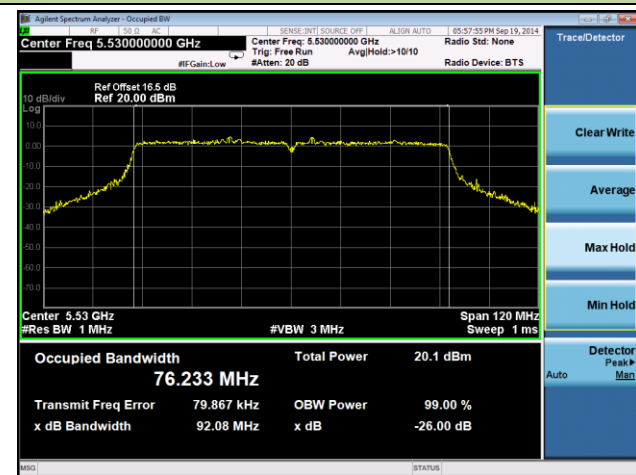
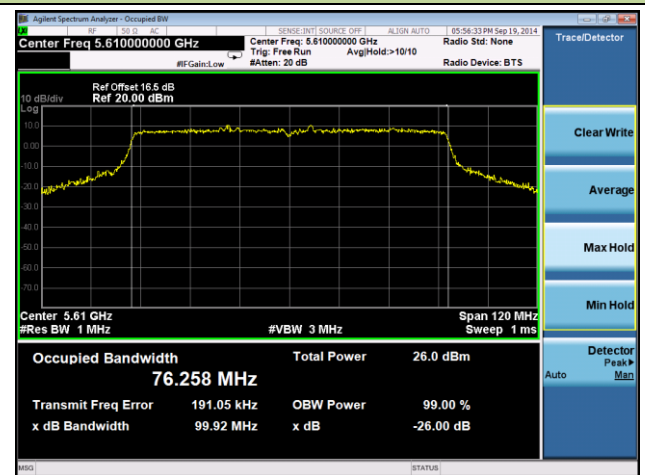


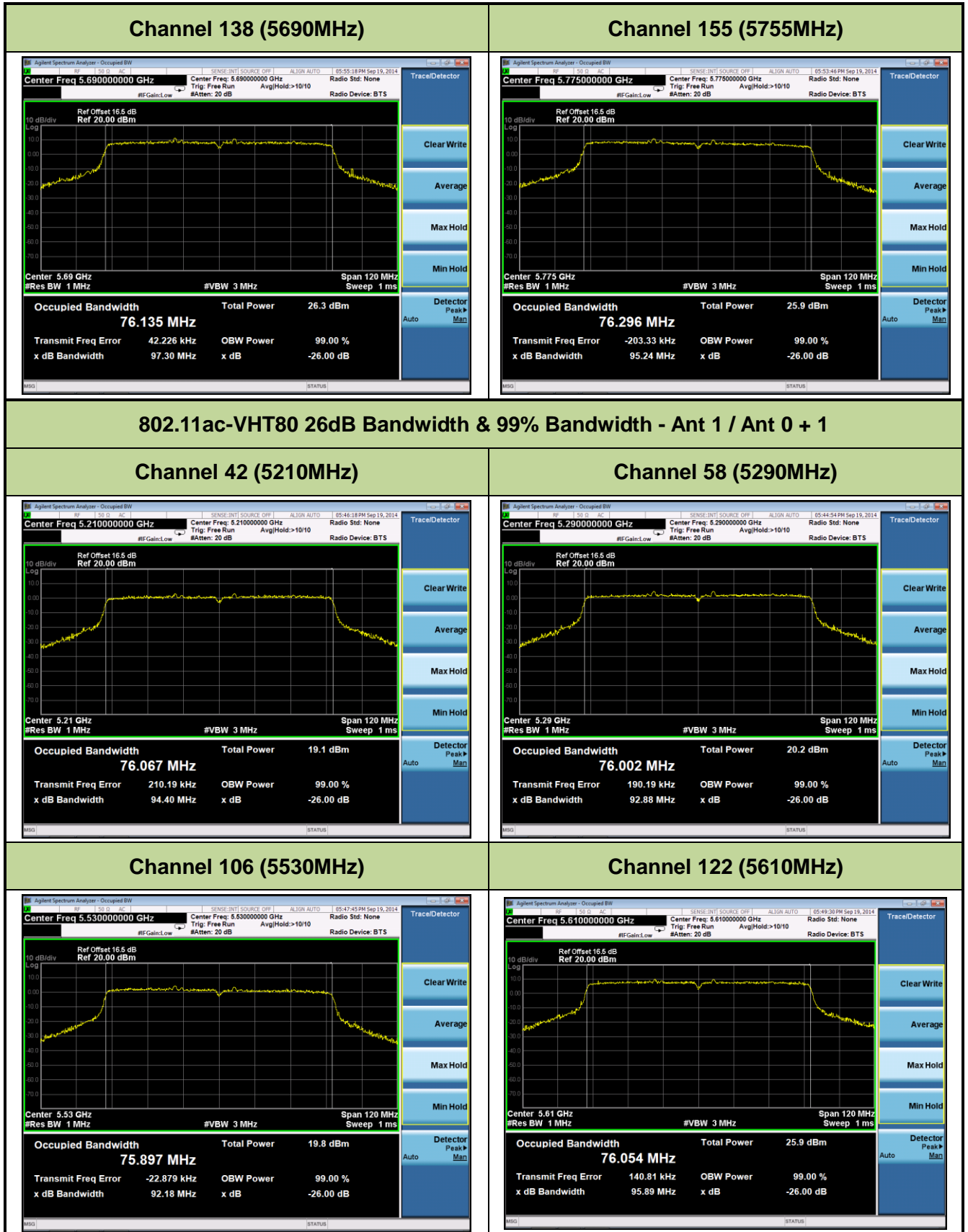
Channel 134 (5670MHz)

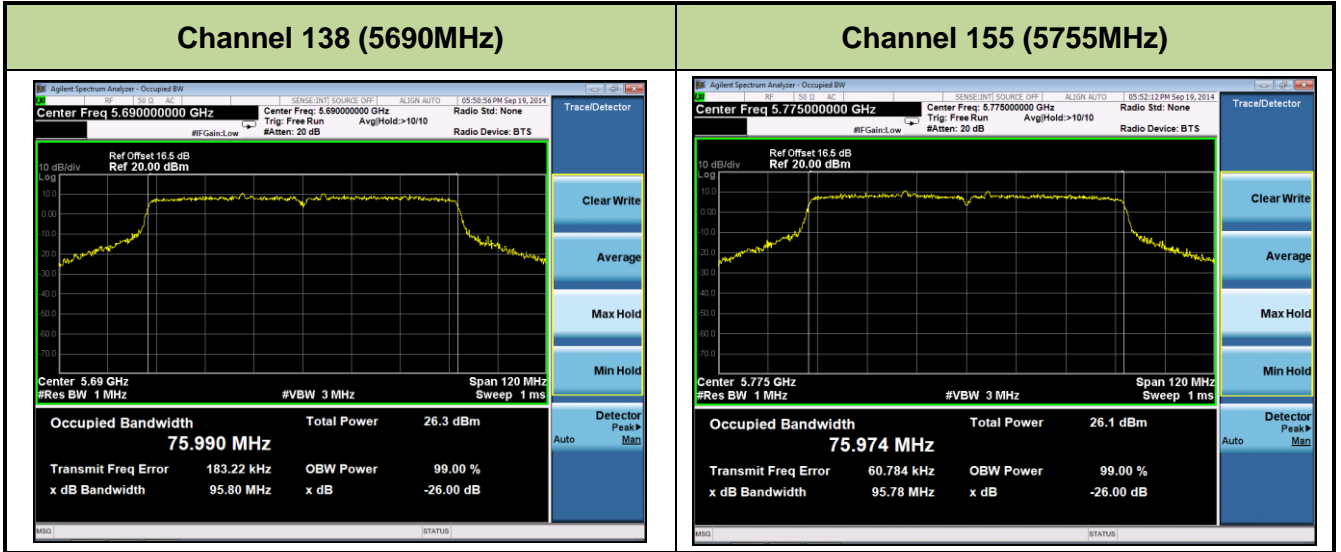


Channel 142 (5710MHz)



Channel 151(5755MHz)

Channel 159(5795MHz)

802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1
Channel 42 (5210MHz)

Channel 58 (5290MHz)

Channel 106 (5530MHz)

Channel 122 (5610MHz)






7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

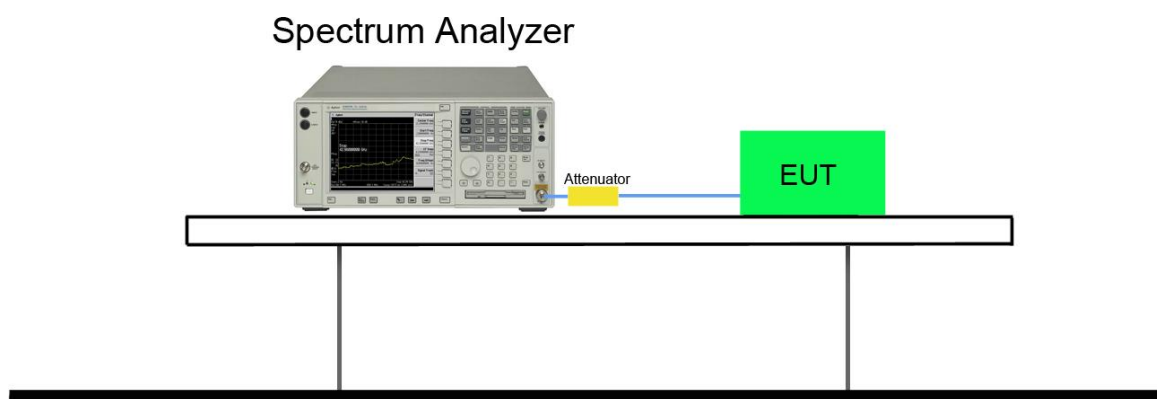
7.3.2. Test Procedure used

KDB 789033 D02v01 – Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $\geq 3 \times$ 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.

7.3.4. Test Setup

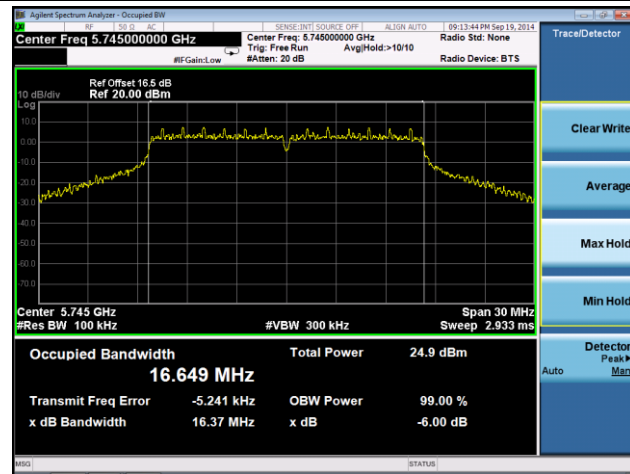


7.3.5. Test Result

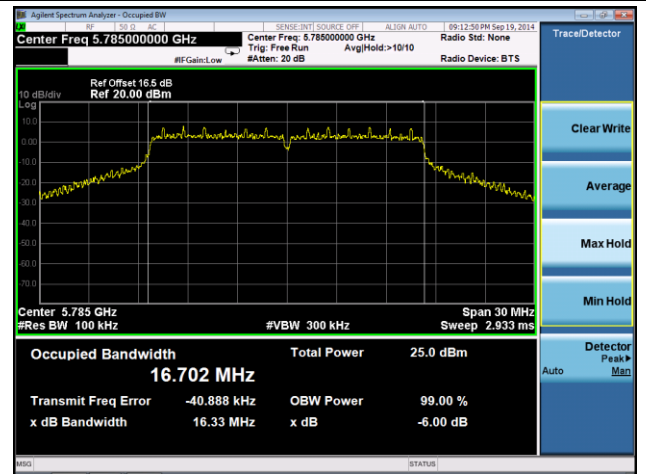
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0 / Ant 0 + 1						
802.11a	6	149	5745	16.370	≥0.5	Pass
802.11a	6	157	5785	16.330	≥0.5	Pass
802.11a	6	165	5825	16.330	≥0.5	Pass
802.11n-HT20	13	149	5745	17.170	≥0.5	Pass
802.11n-HT20	13	157	5785	17.550	≥0.5	Pass
802.11n-HT20	13	165	5825	16.940	≥0.5	Pass
802.11n-HT40	27	151	5755	35.790	≥0.5	Pass
802.11n-HT40	27	159	5795	35.790	≥0.5	Pass
802.11ac-VHT20	13	149	5745	16.680	≥0.5	Pass
802.11ac-VHT20	13	157	5785	17.280	≥0.5	Pass
802.11ac-VHT20	13	165	5825	17.540	≥0.5	Pass
802.11ac-VHT40	27	151	5755	36.070	≥0.5	Pass
802.11ac-VHT40	27	159	5795	35.780	≥0.5	Pass
802.11ac-VHT80	58.6	155	5775	73.230	≥0.5	Pass
Ant 1 / Ant 0 + 1						
802.11a	6	149	5745	16.370	≥0.5	Pass
802.11a	6	157	5785	16.350	≥0.5	Pass
802.11a	6	165	5825	16.350	≥0.5	Pass
802.11n-HT20	13	149	5745	17.560	≥0.5	Pass
802.11n-HT20	13	157	5785	17.580	≥0.5	Pass
802.11n-HT20	13	165	5825	17.590	≥0.5	Pass
802.11n-HT40	27	151	5755	36.360	≥0.5	Pass
802.11n-HT40	27	159	5795	36.310	≥0.5	Pass
802.11ac-VHT20	13	149	5745	17.590	≥0.5	Pass
802.11ac-VHT20	13	157	5785	17.600	≥0.5	Pass
802.11ac-VHT20	13	165	5825	17.600	≥0.5	Pass
802.11ac-VHT40	27	151	5755	36.370	≥0.5	Pass
802.11ac-VHT40	27	159	5795	36.360	≥0.5	Pass
802.11ac-VHT80	58.6	155	5775	75.750	≥0.5	Pass

802.11a 6dB Bandwidth - Ant 0 / Ant 0 + 1

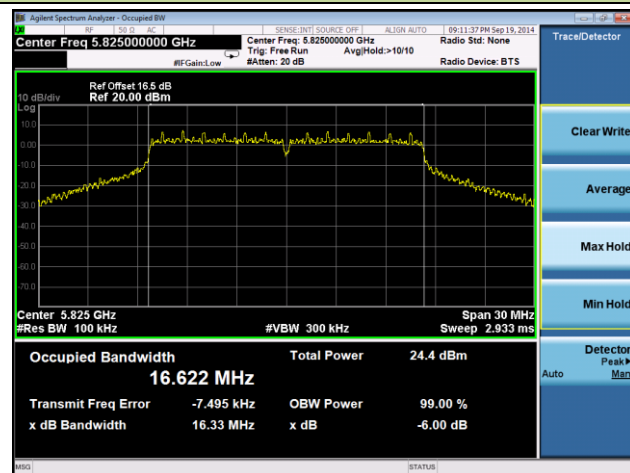
Channel 149 (5745MHz)



Channel 157 (5785MHz)

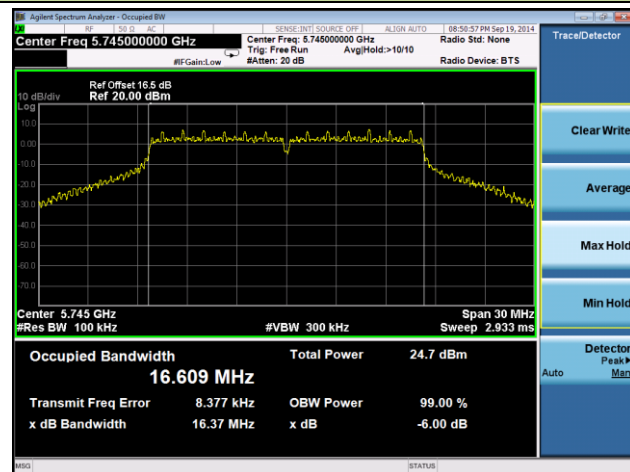


Channel 165 (5825MHz)

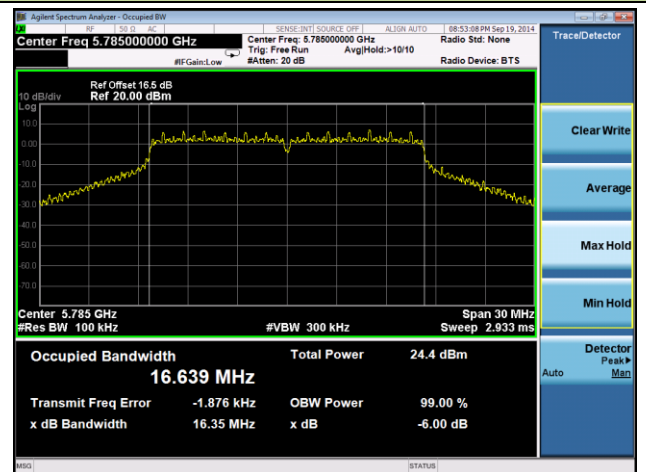


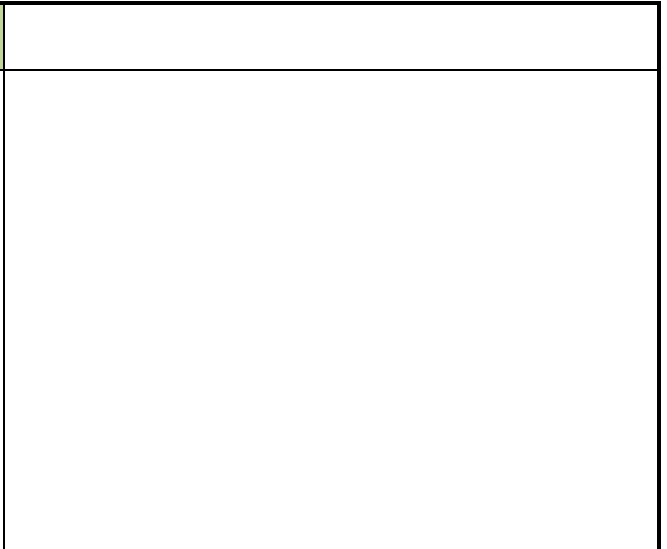
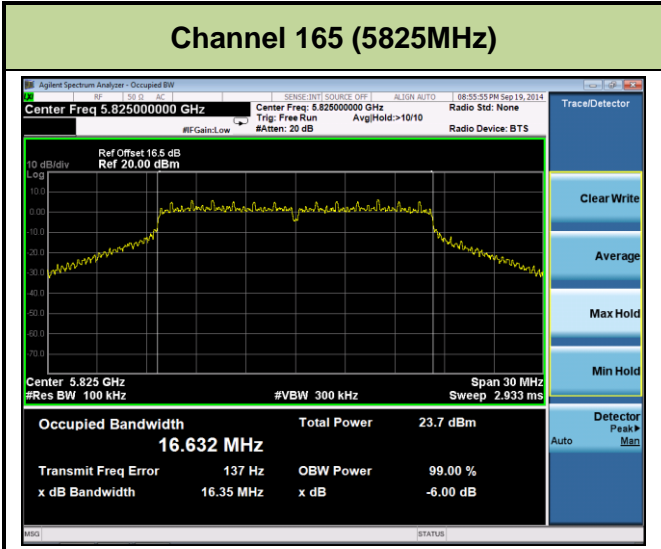
802.11a 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 149 (5745MHz)

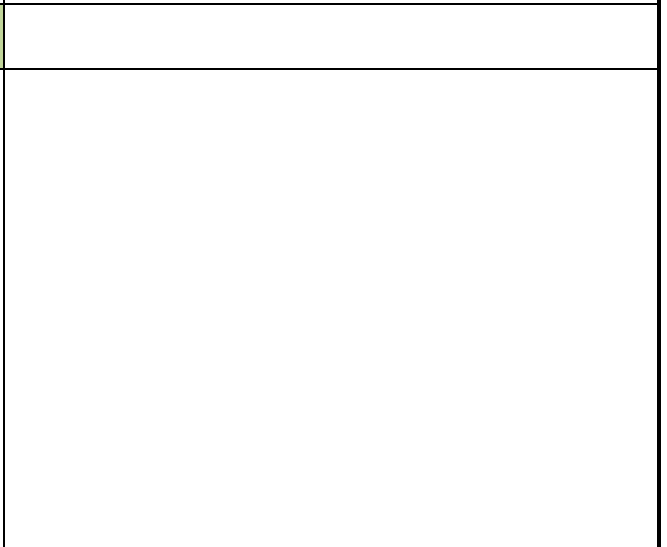
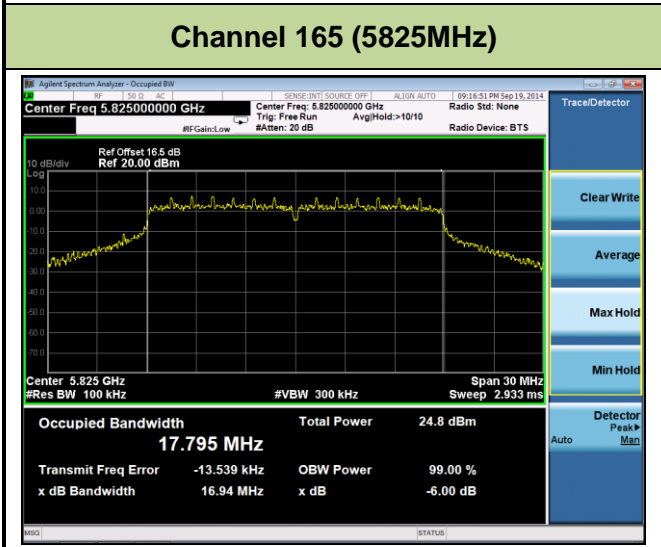
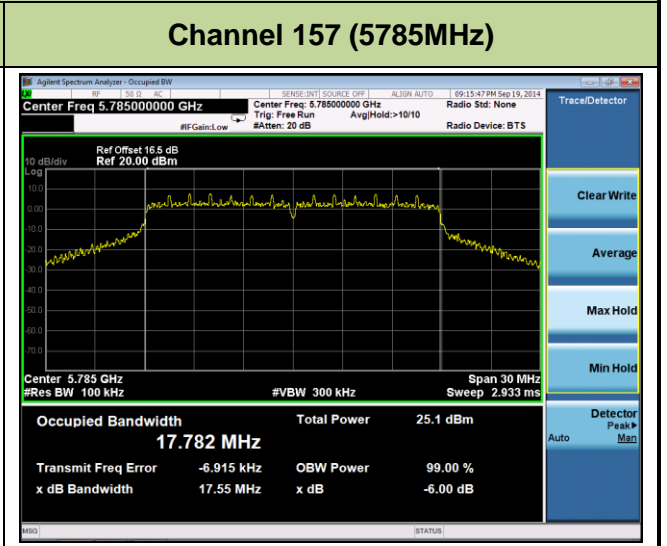
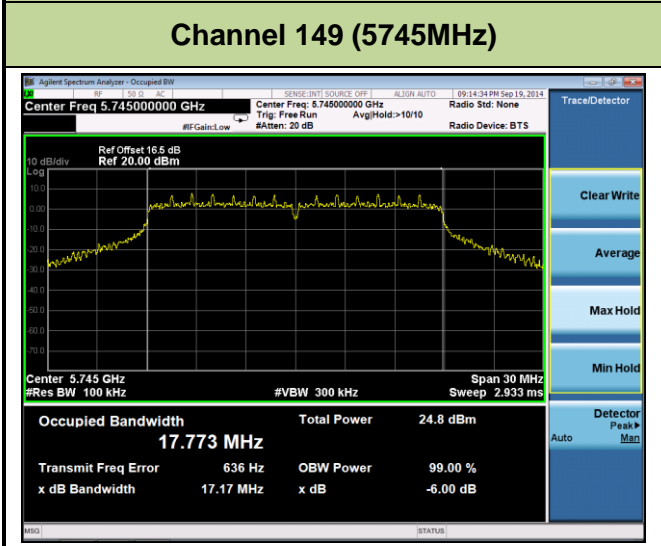


Channel 157 (5785MHz)



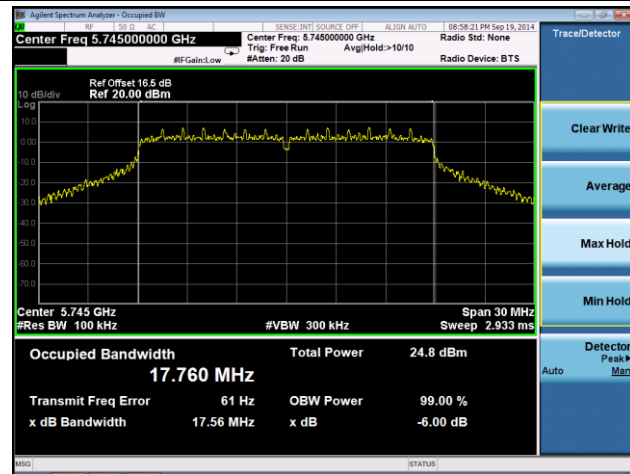


802.11n-HT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

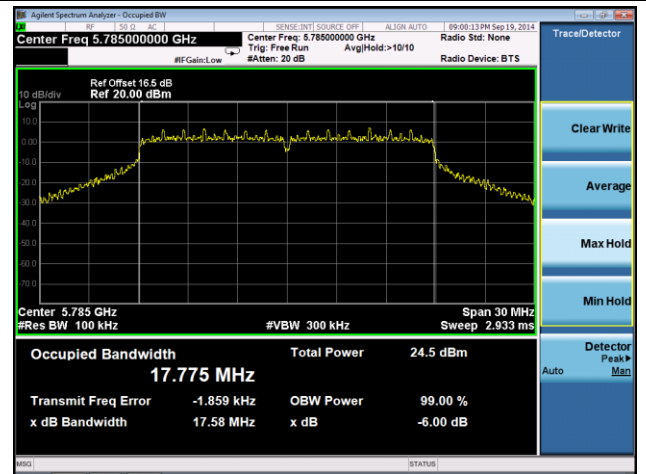


802.11n-HT20 6dB Bandwidth - Ant 1 / Ant 0 + 1

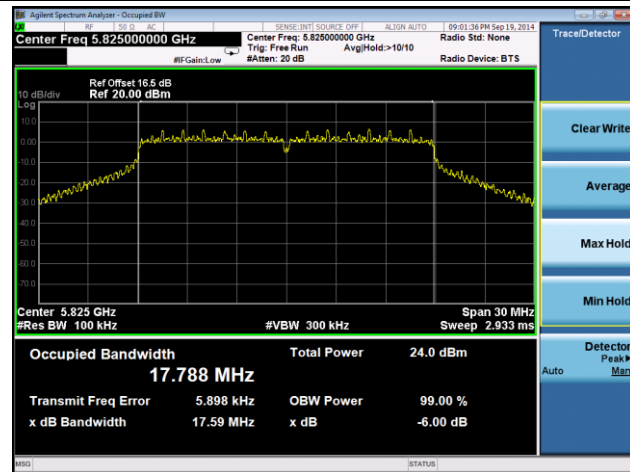
Channel 149 (5745MHz)



Channel 157 (5785MHz)

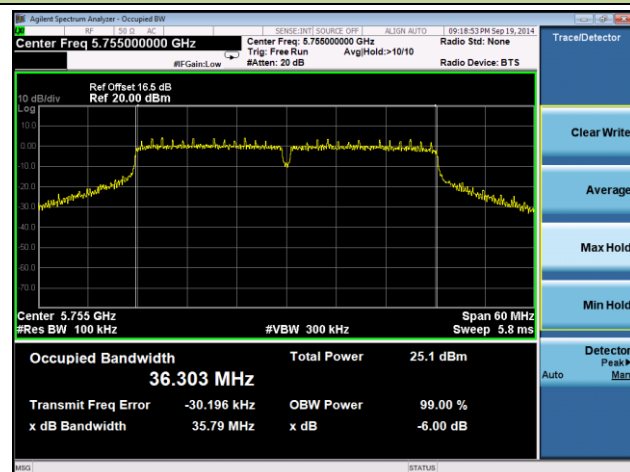


Channel 165 (5825MHz)

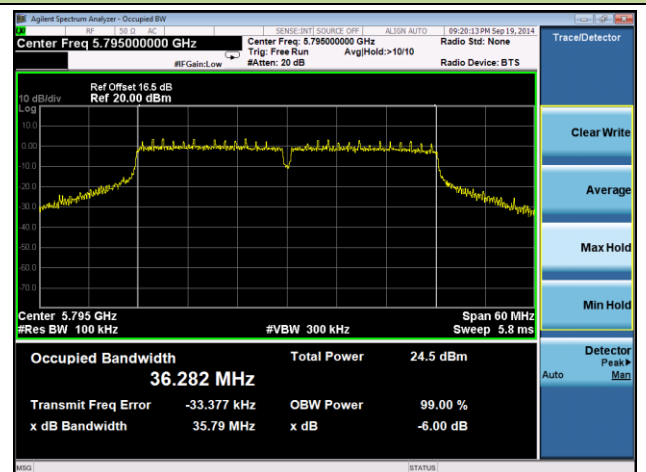


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

Channel 151 (5755MHz)

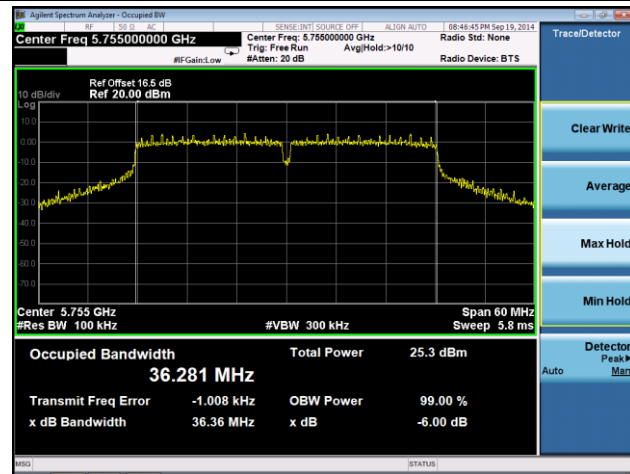


Channel 159 (5795MHz)

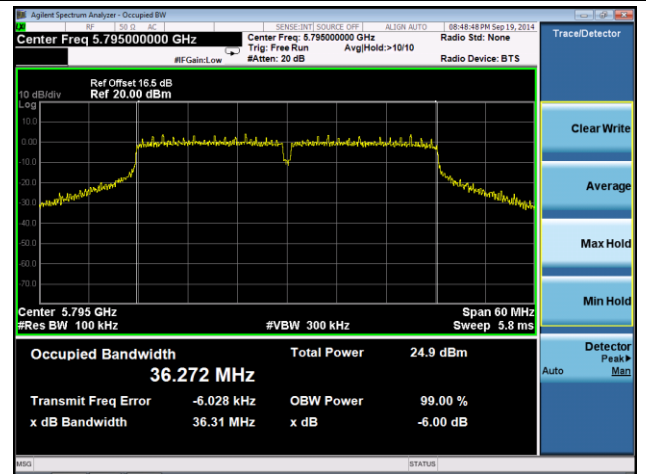


802.11n-HT40 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 151 (5755MHz)

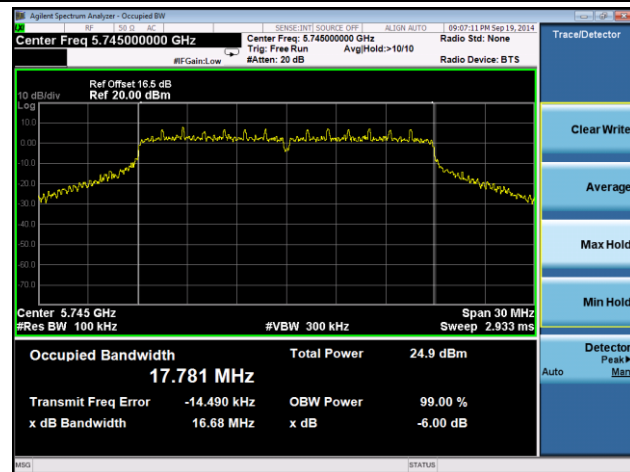


Channel 159 (5795MHz)

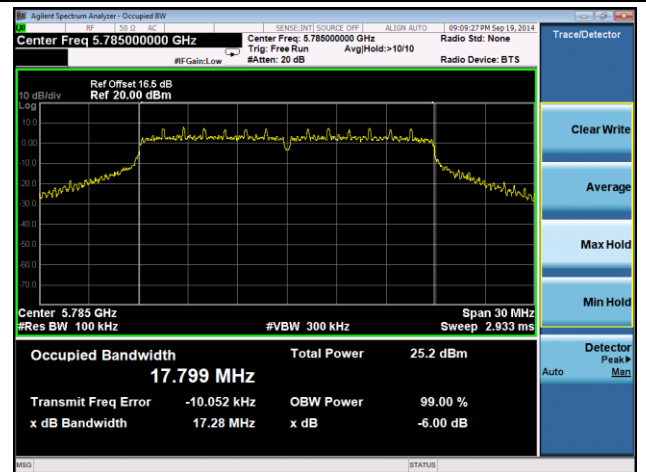


802.11ac-VHT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

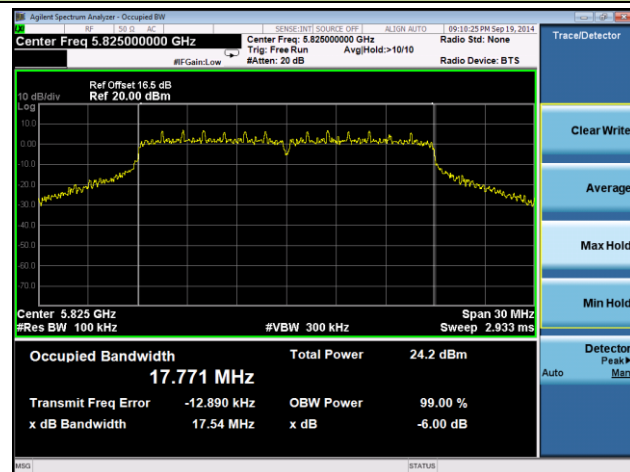
Channel 149 (5745MHz)



Channel 157 (5785MHz)

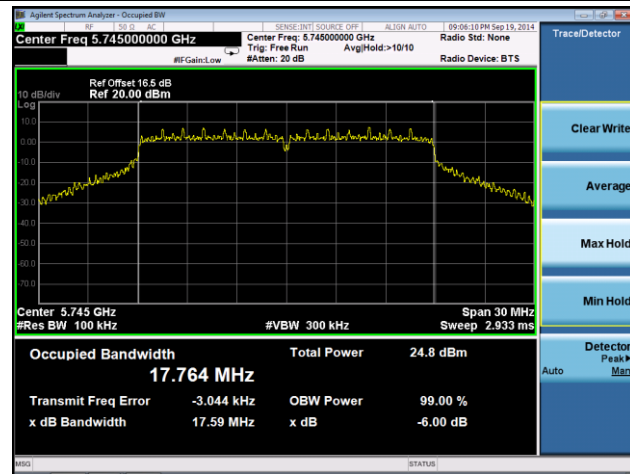


Channel 165 (5825MHz)

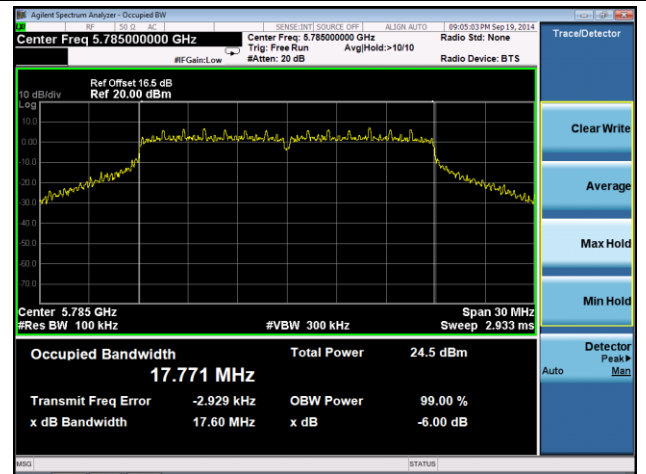


802.11ac-VHT20 6dB Bandwidth - Ant 1 / Ant 0 + 1

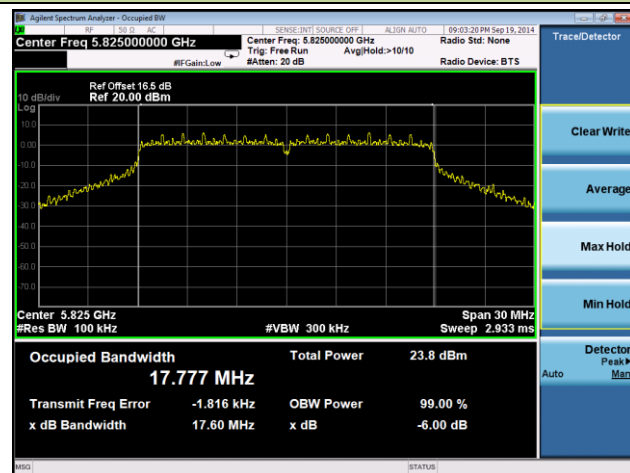
Channel 149 (5745MHz)



Channel 157 (5785MHz)

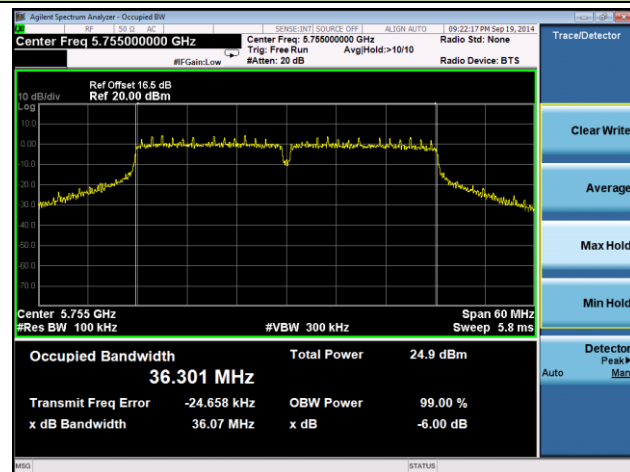


Channel 165 (5825MHz)

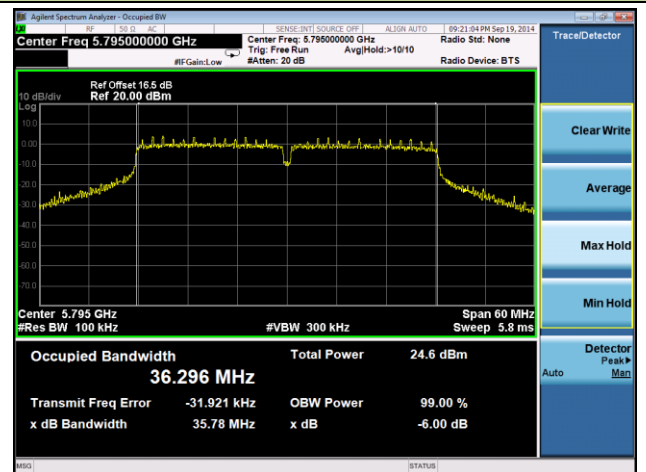


802.11ac-VHT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

Channel 151 (5755MHz)

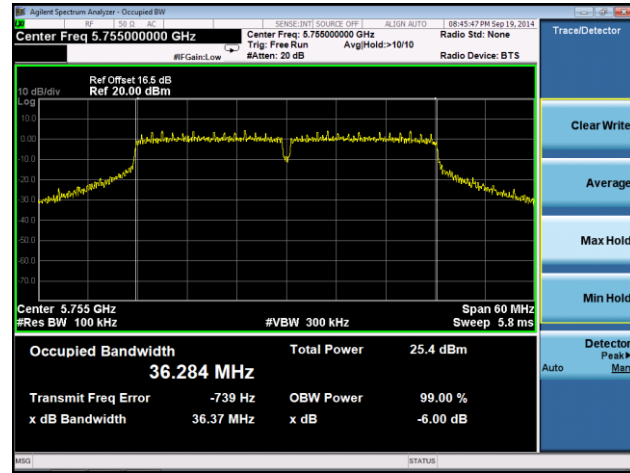


Channel 159 (5795MHz)

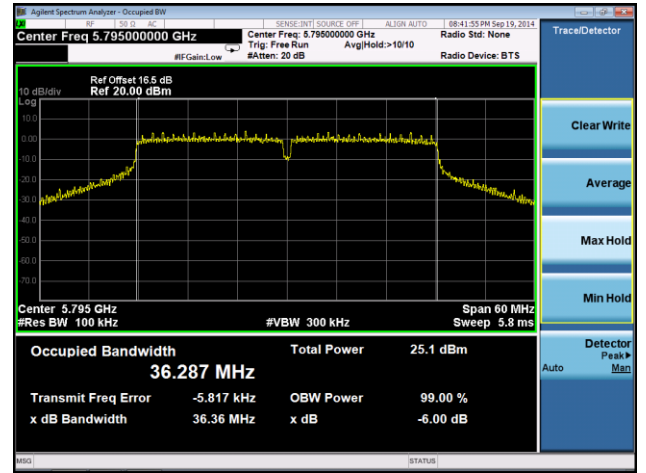


802.11ac-VHT40 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 151 (5755MHz)

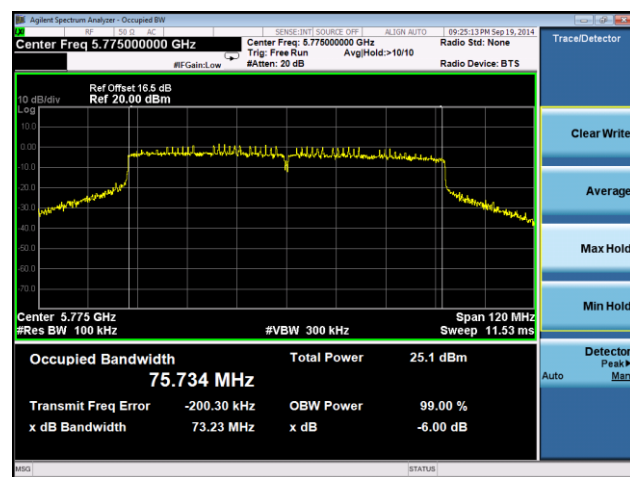


Channel 159 (5795MHz)

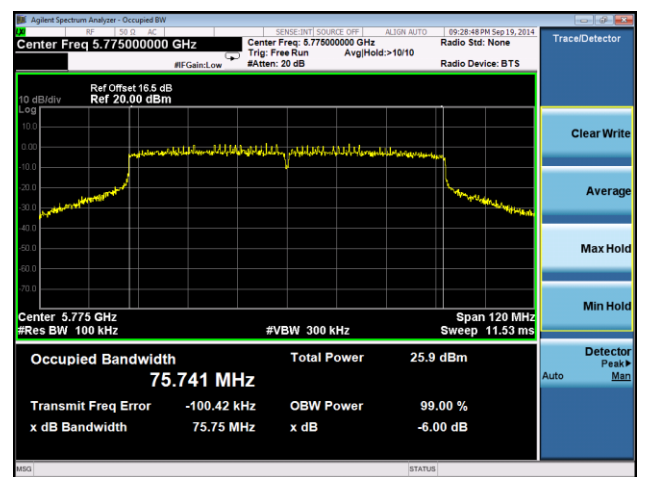


802.11ac-VHT80 6dB Bandwidth - Ant 0 + 1

Channel 155 (5775MHz) – Ant 0



Channel 155 (5775MHz) – Ant 1



7.4. Output Power Measurement

7.4.1. Test 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 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (23.98dBm) or $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW}) = 11 \text{ dBm} + 10 \log_{10}(24.49) = 24.89 \text{ dBm}$.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.15-5.25GHz: Limit (dBm) = 30dBm – (7.41dBi - 6dBi) = 28.59dBm

5.25-5.35GHz: Limit (dBm) = 23.98dBm – (7.41dBi - 6dBi) = 22.57dBm

5.47-5.725GHz: Limit (dBm) = 23.98dBm – (7.66dBi - 6dBi) = 22.32dBm

5.725-5.85GHz: Limit (dBm) = 30dBm – (8.21dBi - 6dBi) = 27.79dBm

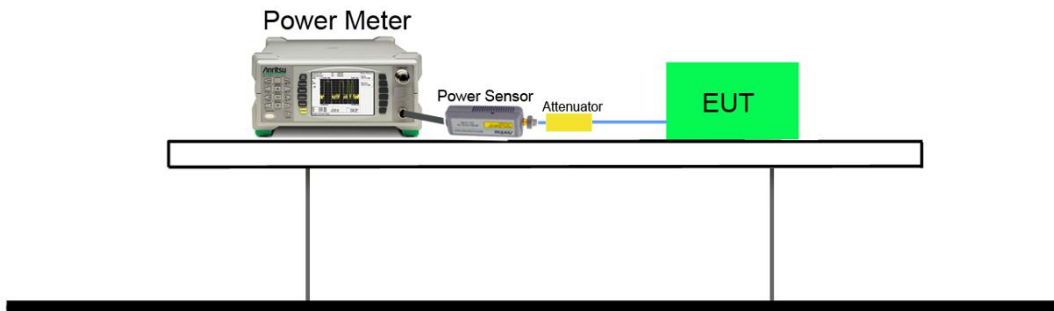
7.4.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.4.4. Test Setup



7.4.5. 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.

N _{Tx}	a	MCS Index for 802.11n	Data Rate (Mbps)			
			20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
2	6	8	13.0	14.4	27.0	30.0
2	9	9	26.0	28.9	54.0	60.0
2	12	10	39.0	43.3	81.0	90.0
2	18	11	52.0	57.8	108.0	120.0
2	24	12	78.0	86.7	162.0	180.0
2	36	13	104.0	115.6	216.0	240.0
2	48	14	117.0	130.0	243.0	270.0
2	54	15	130.0	144.0	270.0	300.0

N _{Tx}	MCS Index for 802.11ac	Data Rate (Mbps)					
		20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI	800ns GI	400ns GI
2	10	13.0	14.4	27.0	30.0	58.6	65.0
2	11	26.0	28.8	54.0	60.0	117.0	130.0
2	12	39.0	43.4	81.0	90.0	175.6	195.0
2	13	52.0	57.8	108.0	120.0	234.0	260.0
2	14	78.0	86.6	162.0	180.0	351.0	390.0
2	15	104.0	115.6	216.0	240.0	468.0	520.0
2	16	117.0	130.0	243.0	270.0	526.6	585.0
2	17	130.0	144.4	270.0	300.0	585.0	650.0
2	18	156.0	173.4	324.0	360.0	702.0	780.0
2	19	--	--	360.0	400.0	780.0	866.6

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

Output power at various data rates for Ant 0 /Ant 0 + 1:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	RMS Power (dBm)
802.11a	20	60	5300	6	17.68
				24	17.22
				54	16.59
802.11n	20	60	5300	13	17.30
				78	16.57
				130	15.88
802.11n	40	62	5310	27	15.34
				162	13.90
				270	13.50
802.11ac	20	60	5300	13	17.40
				78	16.49
				156	15.86
802.11ac	40	62	5310	27	14.77
				162	13.37
				360	12.72
802.11ac	80	58	5290	58.6	11.83
				351	10.54
				780	10.12



Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	2	6	36	5180	17.47	17.59	20.54	28.59	Pass
11a	2	6	44	5220	17.81	17.88	20.86	28.59	Pass
11a	2	6	48	5240	17.47	17.70	20.60	28.59	Pass
11a	2	6	52	5260	17.74	17.95	20.86	22.57	Pass
11a	2	6	60	5300	17.68	17.97	20.84	22.57	Pass
11a	2	6	64	5320	17.60	17.82	20.72	22.57	Pass
11a	2	6	100	5500	17.44	17.85	20.66	22.32	Pass
11a	2	6	120	5600	17.65	17.32	20.50	22.32	Pass
11a	2	6	140	5700	17.28	16.84	20.08	22.32	Pass
11a	2	6	149	5745	17.68	17.50	20.60	27.79	Pass
11a	2	6	157	5785	17.82	17.41	20.63	27.79	Pass
11a	2	6	165	5825	17.61	16.89	20.28	27.79	Pass
11n-HT20	2	13	36	5180	17.31	17.45	20.39	28.59	Pass
11n-HT20	2	13	44	5220	17.51	17.72	20.63	28.59	Pass
11n-HT20	2	13	48	5240	17.25	17.51	20.39	28.59	Pass
11n-HT20	2	13	52	5260	17.41	17.69	20.56	22.57	Pass
11n-HT20	2	13	60	5300	17.30	17.78	20.56	22.57	Pass
11n-HT20	2	13	64	5320	17.26	17.56	20.42	22.57	Pass
11n-HT20	2	13	100	5500	17.15	17.66	20.42	22.32	Pass
11n-HT20	2	13	120	5600	17.87	17.65	20.77	22.32	Pass
11n-HT20	2	13	140	5700	17.51	17.18	20.36	22.32	Pass
11n-HT20	2	13	149	5745	17.53	17.31	20.43	27.79	Pass
11n-HT20	2	13	157	5785	17.58	17.17	20.39	27.79	Pass
11n-HT20	2	13	165	5825	17.75	17.20	20.49	27.79	Pass
11n-HT40	2	27	38	5190	13.90	13.89	16.91	28.59	Pass
11n-HT40	2	27	46	5230	14.82	14.73	17.79	28.59	Pass
11n-HT40	2	27	54	5270	15.66	15.56	18.62	22.57	Pass
11n-HT40	2	27	62	5310	15.34	15.53	18.45	22.57	Pass
11n-HT40	2	27	102	5510	15.68	16.26	18.99	22.32	Pass
11n-HT40	2	27	118	5590	17.64	17.23	20.45	22.32	Pass
11n-HT40	2	27	134	5670	17.76	17.52	20.65	22.32	Pass
11n-HT40	2	27	151	5755	17.33	17.76	20.56	27.79	Pass
11n-HT40	2	27	159	5795	17.22	17.47	20.36	27.79	Pass



11ac-VHT20	2	13	36	5180	17.31	17.43	20.38	28.59	Pass
11ac-VHT20	2	13	44	5220	17.51	17.71	20.62	28.59	Pass
11ac-VHT20	2	13	48	5240	17.18	17.52	20.36	28.59	Pass
11ac-VHT20	2	13	52	5260	17.41	17.72	20.58	22.57	Pass
11ac-VHT20	2	13	60	5300	17.40	17.77	20.60	22.57	Pass
11ac-VHT20	2	13	64	5320	17.25	17.58	20.43	22.57	Pass
11ac-VHT20	2	13	100	5500	17.31	17.70	20.52	22.32	Pass
11ac-VHT20	2	13	120	5600	17.93	17.67	20.81	22.32	Pass
11ac-VHT20	2	13	140	5700	17.51	17.16	20.35	22.32	Pass
11ac-VHT20	2	13	144	5720	17.71	17.59	20.66	22.32	Pass
11ac-VHT20	2	13	149	5745	17.62	17.41	20.53	27.79	Pass
11ac-VHT20	2	13	157	5785	17.94	17.31	20.65	27.79	Pass
11ac-VHT20	2	13	165	5825	17.56	16.75	20.18	27.79	Pass
11ac-VHT40	2	27	38	5190	13.73	14.02	16.89	28.59	Pass
11ac-VHT40	2	27	46	5230	14.86	14.77	17.83	28.59	Pass
11ac-VHT40	2	27	54	5270	14.94	14.81	17.89	22.57	Pass
11ac-VHT40	2	27	62	5310	14.77	15.05	17.92	22.57	Pass
11ac-VHT40	2	27	102	5510	14.59	15.18	17.91	22.32	Pass
11ac-VHT40	2	27	118	5590	17.70	17.31	20.52	22.32	Pass
11ac-VHT40	2	27	134	5670	17.47	17.18	20.34	22.32	Pass
11ac-VHT40	2	27	142	5710	17.39	17.36	20.39	22.32	Pass
11ac-VHT40	2	27	151	5755	17.42	17.71	20.58	27.79	Pass
11ac-VHT40	2	27	159	5795	17.21	17.45	20.34	27.79	Pass
11ac-VHT80	2	58.6	42	5210	10.74	10.84	13.80	28.59	Pass
11ac-VHT80	2	58.6	58	5290	11.83	11.83	14.84	22.57	Pass
11ac-VHT80	2	58.6	106	5530	11.03	11.15	14.10	22.32	Pass
11ac-VHT80	2	58.6	122	5610	17.27	17.06	20.18	22.32	Pass
11ac-VHT80	2	58.6	138	5690	17.25	17.12	20.20	22.32	Pass
11ac-VHT80	2	58.6	155	5775	16.65	17.01	19.84	27.79	Pass

Note: The Total Average Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 Average Power}/10)} + 10^{(\text{Ant 1 Average Power}/10)}\}$.

7.5. Transmit Power Control

7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

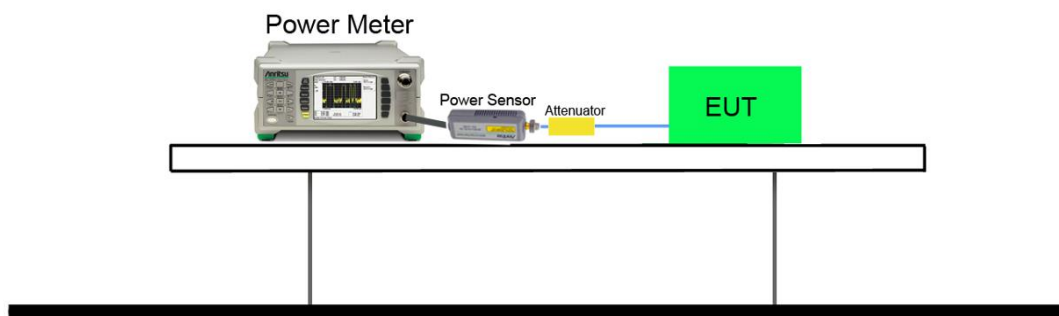
7.5.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4. Test Setup



7.5.5. Test Result

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Total TPC Power (dBm)	Limit (dBm)	Result
11a	2	6	52	5260	11.34	10.92	14.15	24	Pass
11a	2	6	60	5300	11.31	11.12	14.23	24	Pass
11a	2	6	64	5320	11.18	10.79	14.00	24	Pass
11a	2	6	100	5500	11.33	11.52	14.44	24	Pass
11a	2	6	120	5600	11.47	10.94	14.22	24	Pass
11a	2	6	140	5700	11.00	10.88	13.95	24	Pass
11n-HT20	2	13	52	5260	11.19	10.75	13.99	24	Pass
11n-HT20	2	13	60	5300	11.17	10.86	14.03	24	Pass
11n-HT20	2	13	64	5320	10.99	10.64	13.83	24	Pass
11n-HT20	2	13	100	5500	10.70	10.81	13.77	24	Pass
11n-HT20	2	13	120	5600	11.45	11.26	14.37	24	Pass
11n-HT20	2	13	140	5700	10.78	10.13	13.48	24	Pass
11n-HT40	2	27	54	5270	9.54	9.32	12.44	24	Pass
11n-HT40	2	27	62	5310	8.87	8.94	11.92	24	Pass
11n-HT40	2	27	102	5510	8.99	9.04	12.03	24	Pass
11n-HT40	2	27	118	5590	11.11	10.79	13.96	24	Pass
11n-HT40	2	27	134	5670	11.15	10.75	13.96	24	Pass
11ac-VHT20	2	13	52	5260	11.20	10.72	13.98	24	Pass
11ac-VHT20	2	13	60	5300	11.17	10.93	14.06	24	Pass
11ac-VHT20	2	13	64	5320	10.97	10.68	13.84	24	Pass
11ac-VHT20	2	13	100	5500	10.72	10.83	13.79	24	Pass
11ac-VHT20	2	13	120	5600	11.33	10.75	14.06	24	Pass
11ac-VHT20	2	13	140	5700	10.97	10.67	13.83	24	Pass
11ac-VHT20	2	13	144	5720	10.99	10.71	13.86	24	Pass
11ac-VHT40	2	27	54	5270	8.60	8.21	11.42	24	Pass
11ac-VHT40	2	27	62	5310	8.42	8.19	11.32	24	Pass
11ac-VHT40	2	27	102	5510	8.48	8.45	11.48	24	Pass
11ac-VHT40	2	27	118	5590	11.12	10.61	13.88	24	Pass
11ac-VHT40	2	27	134	5670	10.67	9.97	13.34	24	Pass
11ac-VHT40	2	27	142	5710	10.86	9.84	13.39	24	Pass
11ac-VHT80	2	58.6	58	5290	4.57	4.69	7.64	24	Pass
11ac-VHT80	2	58.6	106	5530	5.04	4.60	7.84	24	Pass

11ac-VHT80	2	58.6	122	5610	10.14	10.24	13.20	24	Pass
11ac-VHT80	2	58.6	138	5690	10.32	10.23	13.29	24	Pass

Note: Total TPC Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\}$.

7.6. Power Spectral Density Measurement

7.6.1. Test 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/MHz) = 17dBm/MHz – (7.41dBi - 6dBi) = 15.59dBm/MHz

5.25-5.35 GHz Limit (dBm/MHz) = 11dBm/MHz – (7.41dBi - 6dBi) = 9.59dBm/MHz

5.47-5.725 GHz Limit (dBm/MHz) = 11dBm/MHz – (7.66dBi - 6dBi) = 9.34dBm/MHz

5.725-5.85 GHz Limit (dBm/500kHz) = 30dBm/500kHz – (8.21dBi - 6dBi) = 27.79dBm/500kHz

7.6.2. Test Procedure Used

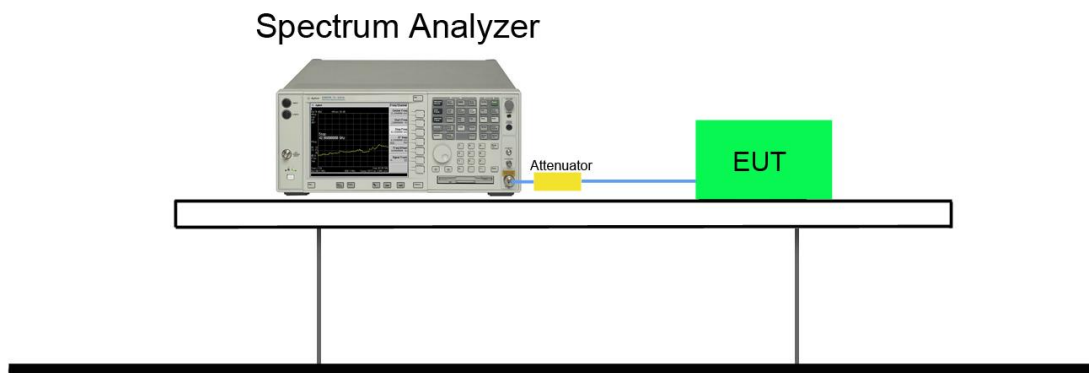
KDB 789033 D02v01 - Section F

7.6.3. Test Setting

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 $\geq 2 \times (\text{span} / \text{RBW})$
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 $10 \cdot \log(1/x)$, 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 $10 \cdot \log(1/0.25) = 6$ 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 $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 7$ dB to the measured result

7.6.4. Test Setup



7.6.5. Test Result

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Duty Cycle (%)	Total PSD (dBm)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	5.245	6.241	96.7	8.930	15.59	Pass
11a	2	6	44	5220	5.374	6.159	96.7	8.942	15.59	Pass
11a	2	6	48	5240	4.835	5.594	96.7	8.389	15.59	Pass
11a	2	6	52	5260	4.956	6.003	96.7	8.669	9.59	Pass
11a	2	6	60	5300	5.242	6.269	96.7	8.944	9.59	Pass
11a	2	6	64	5320	5.025	6.281	96.7	8.857	9.59	Pass
11a	2	6	100	5500	5.039	6.715	96.7	9.116	9.34	Pass
11a	2	6	120	5600	4.800	6.122	96.7	8.669	9.34	Pass
11a	2	6	140	5700	4.361	5.735	96.7	8.260	9.34	Pass
11n-HT20	2	13	36	5180	5.013	5.336	93.7	8.472	15.59	Pass
11n-HT20	2	13	44	5220	4.835	5.341	93.7	8.390	15.59	Pass
11n-HT20	2	13	48	5240	4.052	5.206	93.7	7.962	15.59	Pass
11n-HT20	2	13	52	5260	4.560	5.238	93.7	8.207	9.59	Pass
11n-HT20	2	13	60	5300	4.621	5.515	93.7	8.386	9.59	Pass
11n-HT20	2	13	64	5320	4.536	5.871	93.7	8.549	9.59	Pass
11n-HT20	2	13	100	5500	4.927	6.033	93.7	8.810	9.34	Pass
11n-HT20	2	13	120	5600	4.645	6.168	93.7	8.768	9.34	Pass
11n-HT20	2	13	140	5700	4.563	5.834	93.7	8.540	9.34	Pass
11n-HT40	2	27	38	5190	-2.193	-1.597	89.0	1.631	15.59	Pass
11n-HT40	2	27	46	5230	-0.651	-0.384	89.0	3.000	15.59	Pass
11n-HT40	2	27	54	5270	-0.371	0.192	89.0	3.436	9.59	Pass
11n-HT40	2	27	62	5310	-0.923	0.360	89.0	3.282	9.59	Pass
11n-HT40	2	27	102	5510	0.326	1.763	89.0	4.620	9.34	Pass
11n-HT40	2	27	118	5590	1.663	2.047	89.0	5.375	9.34	Pass
11n-HT40	2	27	134	5670	2.212	2.837	89.0	6.052	9.34	Pass
11ac-VHT20	2	13	36	5180	4.944	5.667	93.8	8.611	15.59	Pass
11ac-VHT20	2	13	44	5220	4.977	5.399	93.8	8.484	15.59	Pass
11ac-VHT20	2	13	48	5240	4.263	5.276	93.8	8.090	15.59	Pass
11ac-VHT20	2	13	52	5260	4.566	5.679	93.8	8.449	9.59	Pass
11ac-VHT20	2	13	60	5300	4.490	5.758	93.8	8.461	9.59	Pass
11ac-VHT20	2	13	64	5320	4.643	5.638	93.8	8.460	9.59	Pass
11ac-VHT20	2	13	100	5500	4.855	5.802	93.8	8.645	9.34	Pass

11ac-VHT20	2	13	120	5600	5.151	5.619	93.8	8.682	9.34	Pass
11ac-VHT20	2	13	140	5700	4.433	5.606	93.8	8.350	9.34	Pass
11ac-VHT20	2	13	144	5720	4.961	6.133	93.8	8.877	9.34	Pass
11ac-VHT40	2	27	38	5190	-1.901	-1.419	89.1	1.857	15.59	Pass
11ac-VHT40	2	27	46	5230	-0.891	0.056	89.1	3.118	15.59	Pass
11ac-VHT40	2	27	54	5270	-0.959	-0.267	89.1	2.911	9.59	Pass
11ac-VHT40	2	27	62	5310	-1.318	-0.101	89.1	2.843	9.59	Pass
11ac-VHT40	2	27	102	5510	-0.697	0.329	89.1	3.356	9.34	Pass
11ac-VHT40	2	27	118	5590	0.863	1.914	89.1	4.930	9.34	Pass
11ac-VHT40	2	27	134	5670	1.452	1.746	89.1	5.112	9.34	Pass
11ac-VHT40	2	27	142	5710	2.282	2.316	89.1	5.809	9.34	Pass
11ac-VHT80	2	58.6	42	5210	-8.253	-8.009	81.5	-4.230	15.59	Pass
11ac-VHT80	2	58.6	58	5290	-7.128	-6.419	81.5	-2.860	9.59	Pass
11ac-VHT80	2	58.6	106	5530	-8.165	-6.706	81.5	-3.475	9.34	Pass
11ac-VHT80	2	58.6	122	5610	-1.987	-0.927	81.5	2.475	9.34	Pass
11ac-VHT80	2	58.6	138	5690	-1.263	-0.969	81.5	2.786	9.34	Pass

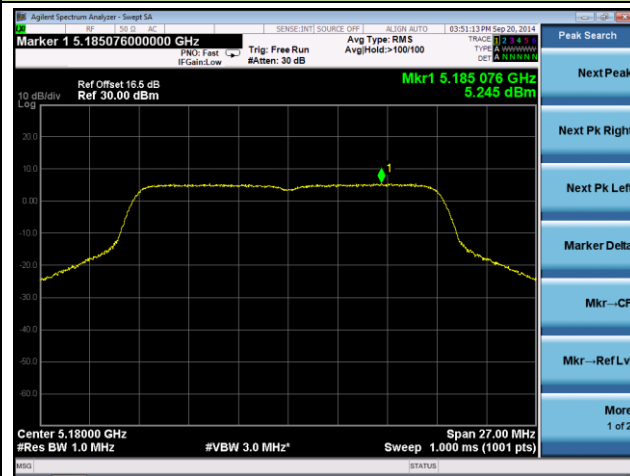
Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Duty Cycle (%)	Constant Factor	Total PSD (dBm)	Limit (dBm/500kHz)	Result
11a	2	6	149	5745	-3.915	-1.936	96.7	7	7.334	27.79	Pass
11a	2	6	157	5785	-3.928	-2.311	96.7	7	7.103	27.79	Pass
11a	2	6	165	5825	-4.905	-3.079	96.7	7	6.251	27.79	Pass
11n-HT20	2	13	149	5745	-4.286	-2.318	93.7	7	7.093	27.79	Pass
11n-HT20	2	13	157	5785	-4.163	-2.295	93.7	7	7.155	27.79	Pass
11n-HT20	2	13	165	5825	-3.655	-2.663	93.7	7	7.154	27.79	Pass
11n-HT40	2	27	151	5755	-6.495	-5.162	89.0	7	4.728	27.79	Pass
11n-HT40	2	27	159	5795	-6.810	-6.130	89.0	7	4.049	27.79	Pass
11ac-VHT20	2	13	149	5745	-3.554	-2.019	93.8	7	7.561	27.79	Pass
11ac-VHT20	2	13	157	5785	-3.543	-2.640	93.8	7	7.212	27.79	Pass
11ac-VHT20	2	13	165	5825	-4.793	-3.607	93.8	7	6.121	27.79	Pass
11ac-VHT40	2	27	151	5755	-6.034	-5.561	89.1	7	4.709	27.79	Pass
11ac-VHT40	2	27	159	5795	-6.474	-6.106	89.1	7	4.214	27.79	Pass
11ac-VHT80	2	58.6	155	5775	-9.993	-8.687	81.5	7	1.598	27.79	Pass

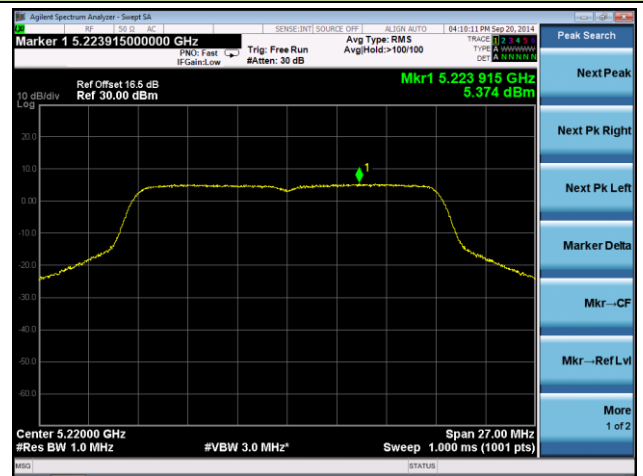
Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle}) + \text{Constant Factor}$.

802.11a Power Spectral Density - Ant 0 / Ant 0 + 1

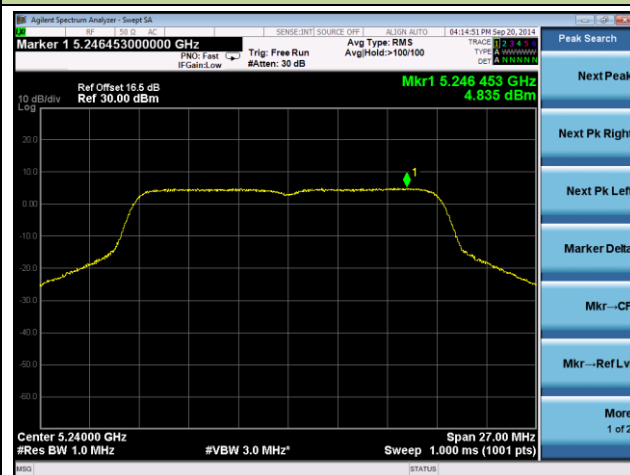
Channel 36 (5180MHz)



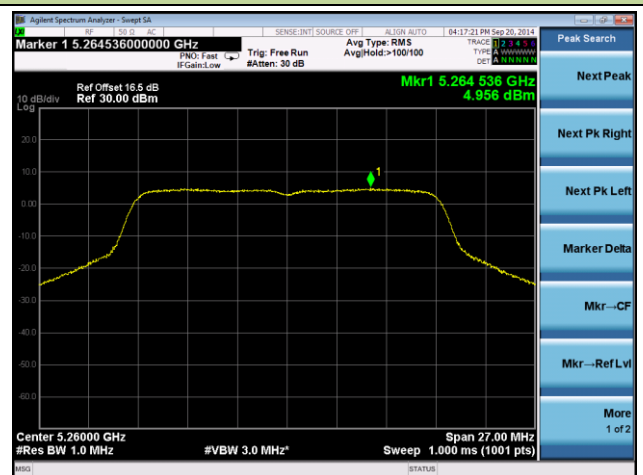
Channel 44 (5220MHz)



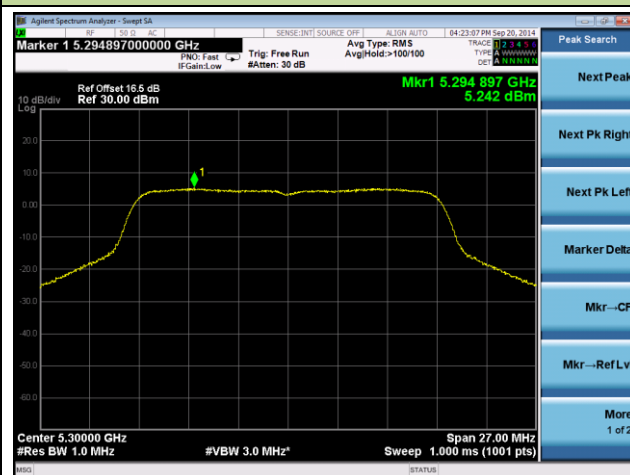
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

