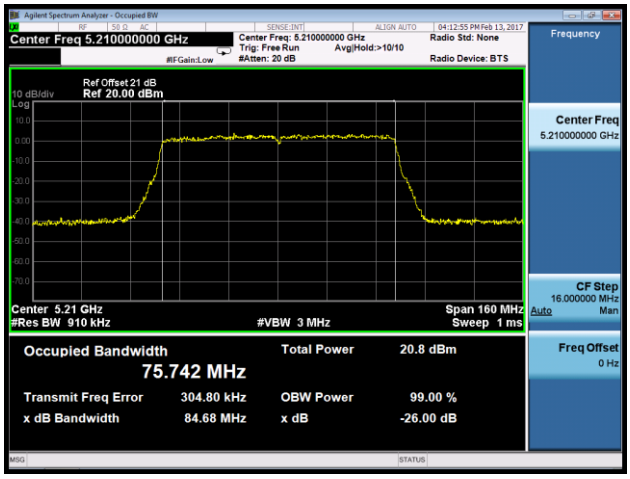
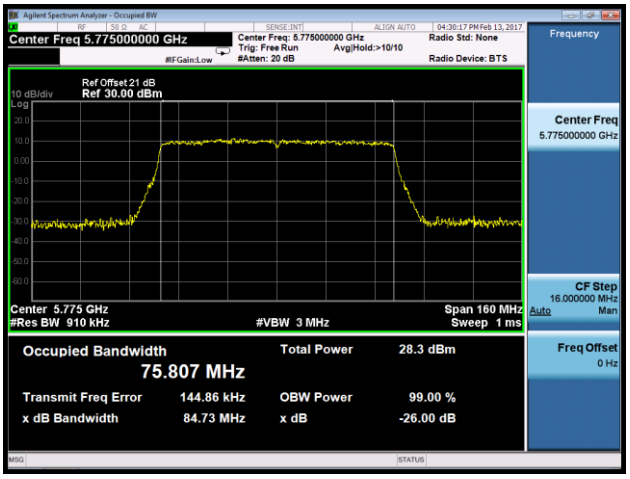
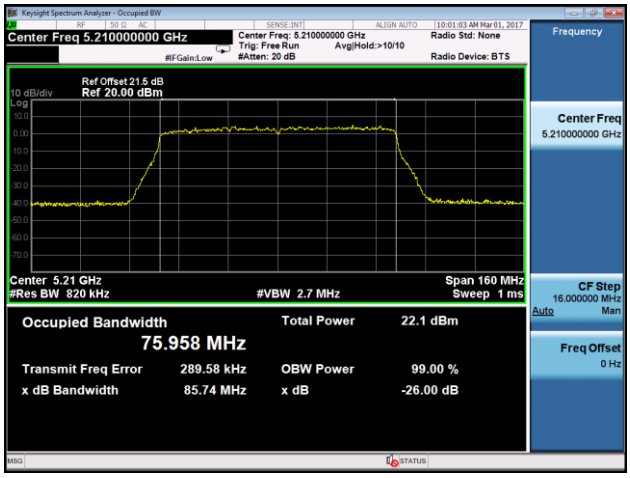
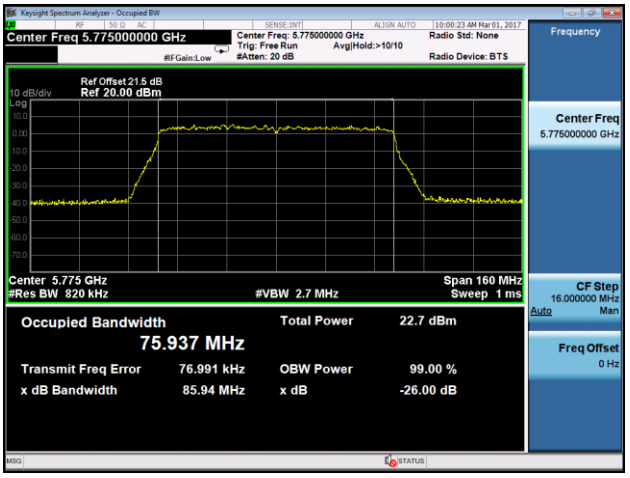
802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1	
Channel 42 (5210MHz)	**Channel 155 (5775MHz)**
	

802.11ac-VHT80+80 26dB Bandwidth & 99% Bandwidth - Ant 0+1+2+3	
Channel 42+155 - Ant 0 (5210MHz)	**Channel 42+155 - Ant 2 (5755MHz)**
	

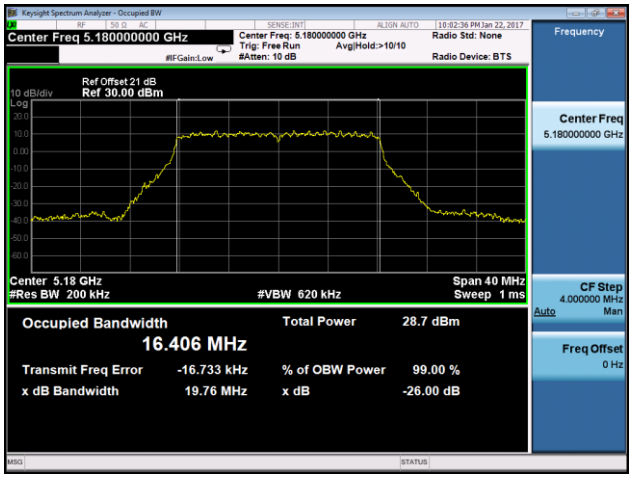
Radio C 26dB Bandwidth Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
Ant 0 / Ant 0 + 1						
802.11a	6	36	5180	19.76	16.41	Pass
802.11a	6	44	5220	18.99	16.42	Pass
802.11a	6	48	5240	19.78	16.43	Pass
802.11a	6	149	5745	35.26	17.20	Pass
802.11a	6	157	5785	36.96	19.92	Pass
802.11a	6	165	5825	34.96	19.49	Pass
802.11n-HT20	13	36	5180	20.13	17.61	Pass
802.11n-HT20	13	44	5220	20.19	17.63	Pass
802.11n-HT20	13	48	5240	20.23	17.63	Pass
802.11n-HT20	13	149	5745	32.25	18.10	Pass
802.11n-HT20	13	157	5785	38.06	19.13	Pass
802.11n-HT20	13	165	5825	36.81	19.15	Pass
802.11n-HT40	27	38	5190	39.63	35.86	Pass
802.11n-HT40	27	46	5230	39.51	35.88	Pass
802.11n-HT40	27	151	5755	80.00	37.18	Pass
802.11n-HT40	27	159	5795	79.69	40.99	Pass
802.11ac-VHT20	13	36	5180	20.20	17.60	Pass
802.11ac-VHT20	13	44	5220	20.29	17.62	Pass
802.11ac-VHT20	13	48	5240	20.34	17.62	Pass
802.11ac-VHT20	13	149	5745	30.56	18.13	Pass
802.11ac-VHT20	13	157	5785	37.45	19.11	Pass
802.11ac-VHT20	13	165	5825	37.18	18.82	Pass
802.11ac-VHT40	27	38	5190	38.66	35.89	Pass
802.11ac-VHT40	27	46	5230	39.37	35.83	Pass
802.11ac-VHT40	27	151	5755	79.68	36.97	Pass
802.11ac-VHT40	27	159	5795	79.27	39.81	Pass
802.11ac-VHT80	58.6	42	5210	84.48	75.91	Pass
802.11ac-VHT80	58.6	155	5775	83.80	75.90	Pass

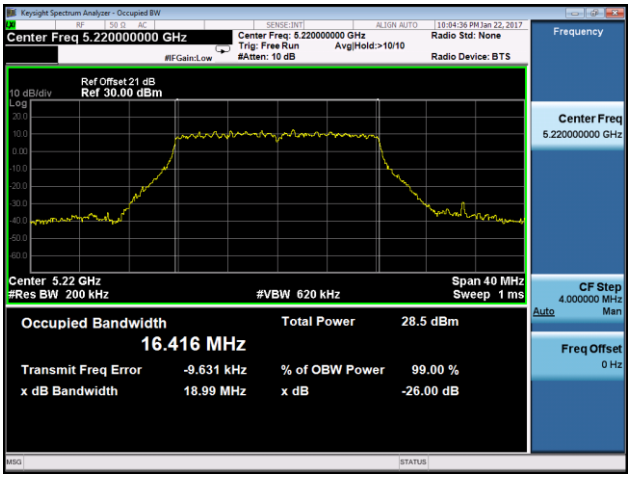
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0 + 1					
802.11ac-VHT 80+80	29.3	42	5210	85.80	75.97
		155	5775	85.42	75.94

802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1

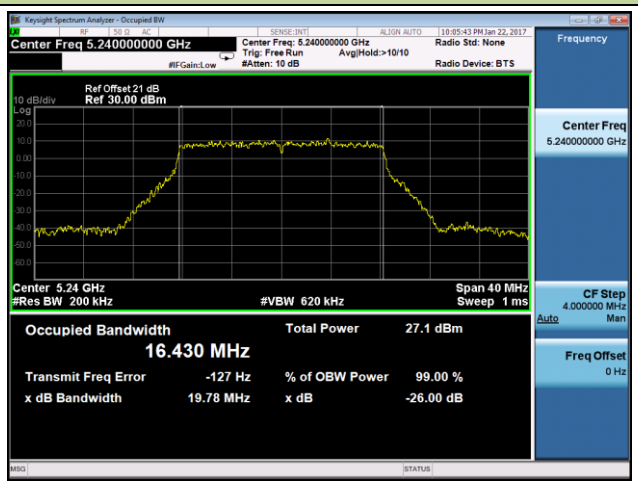
Channel 36 (5180MHz)



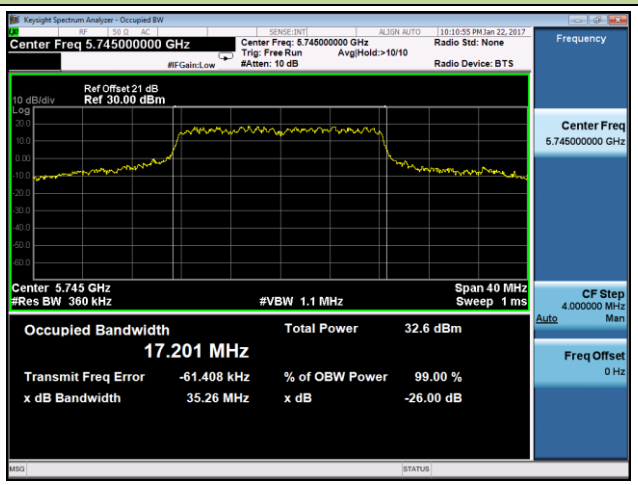
Channel 44 (5220MHz)



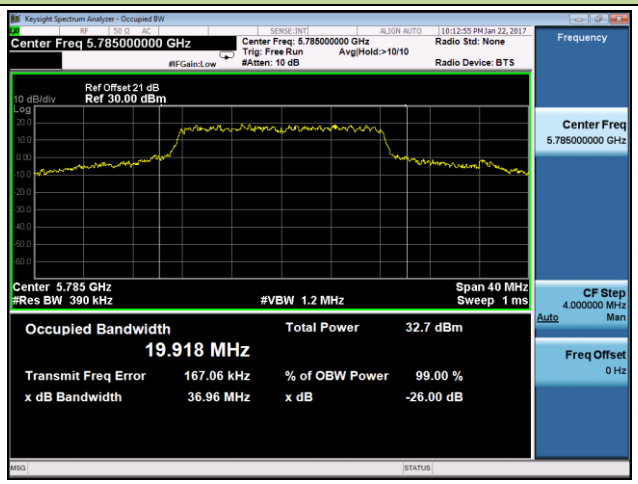
Channel 48 (5240MHz)



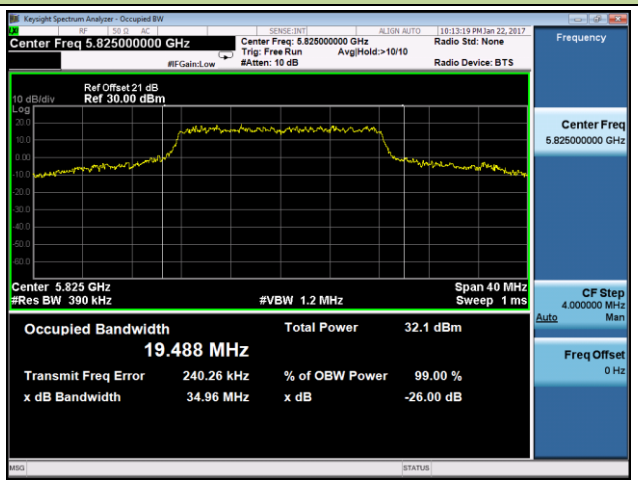
Channel 149 (5745MHz)



Channel 157 (5785MHz)

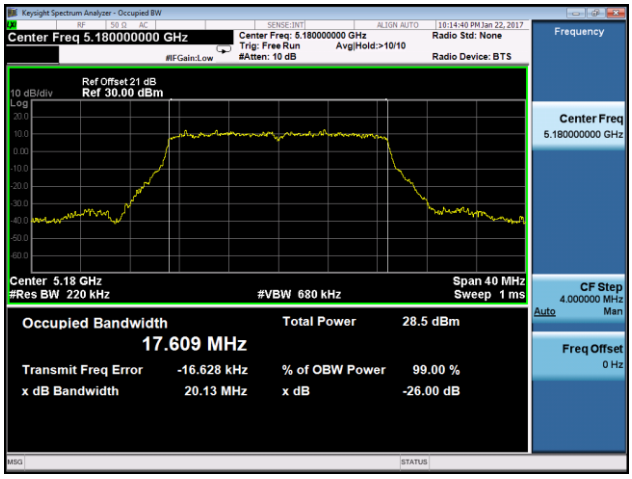


Channel 165 (5825MHz)

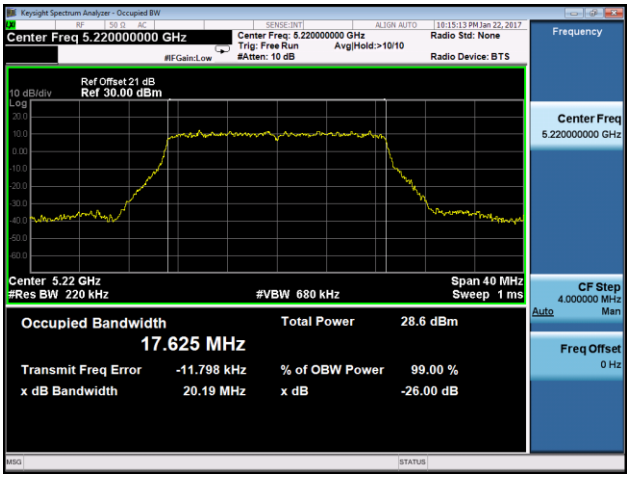


802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1

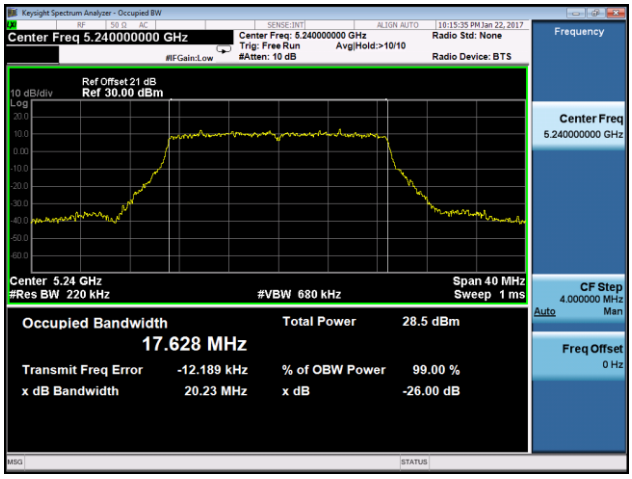
Channel 36 (5180MHz)



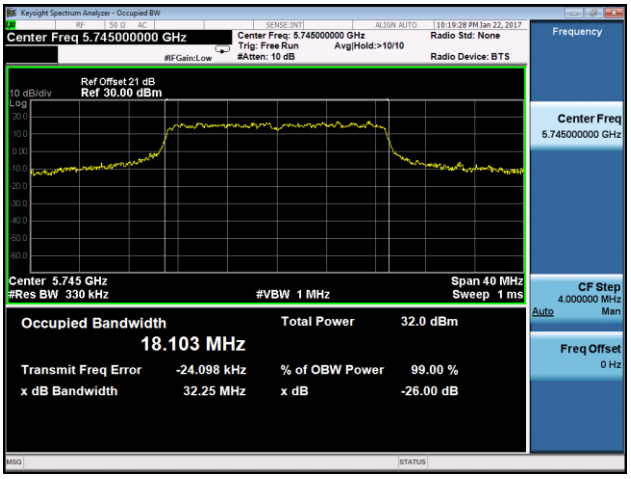
Channel 44 (5220MHz)



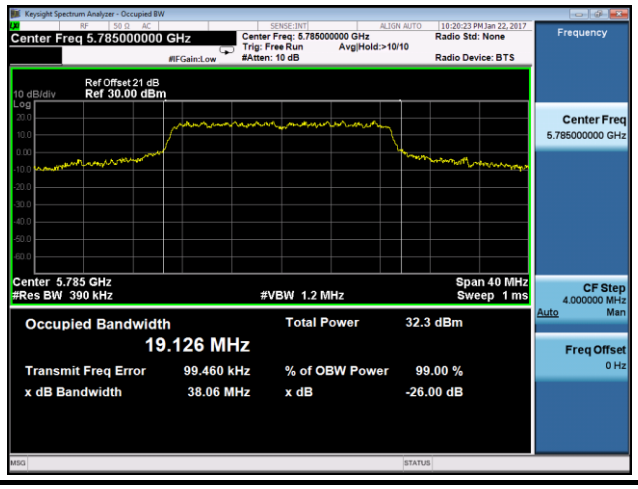
Channel 48 (5240MHz)



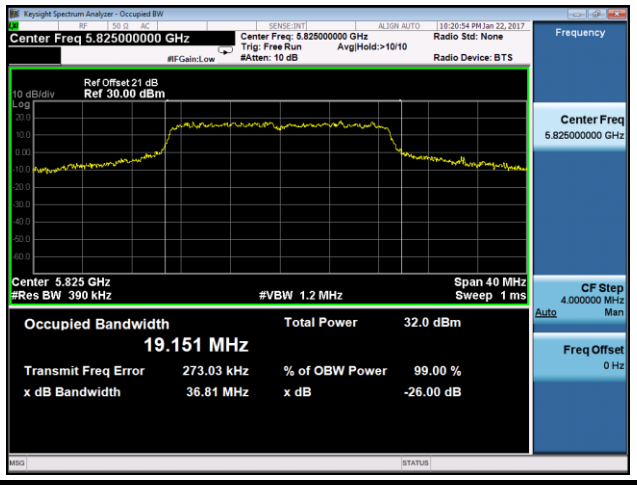
Channel 149 (5745MHz)



Channel 157 (5785MHz)

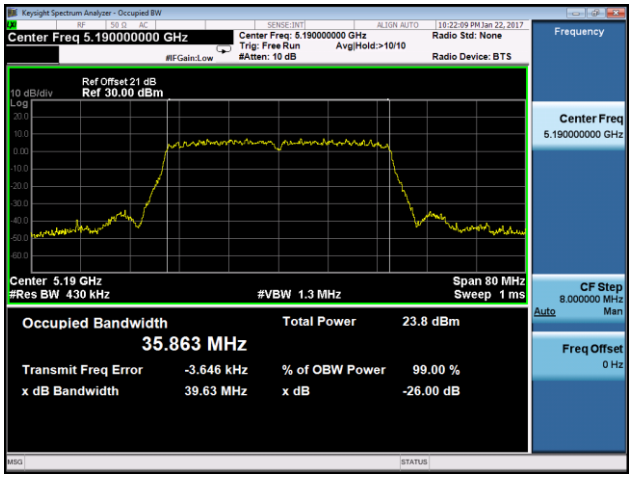


Channel 165 (5825MHz)

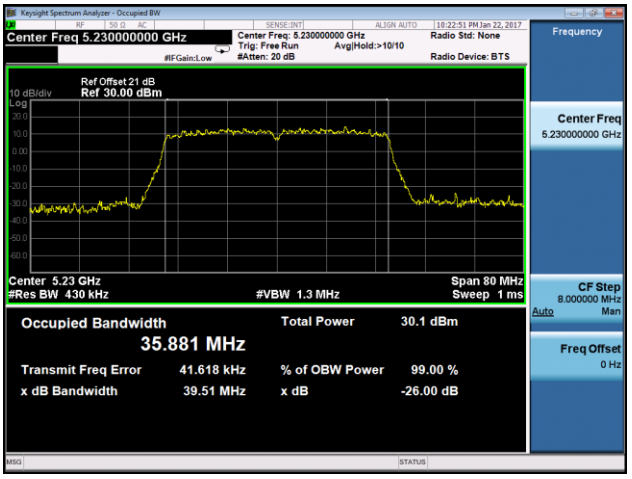


802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1

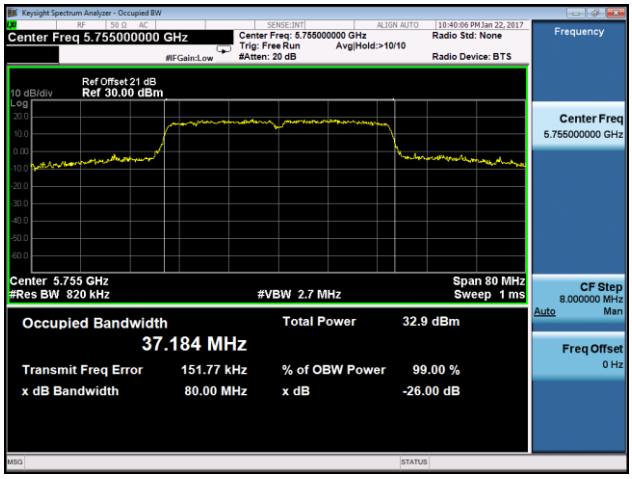
Channel 38 (5190MHz)



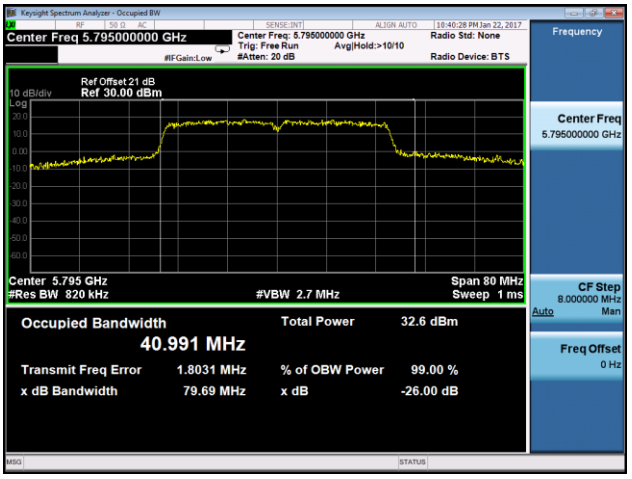
Channel 46 (5230MHz)



Channel 151 (5755MHz)

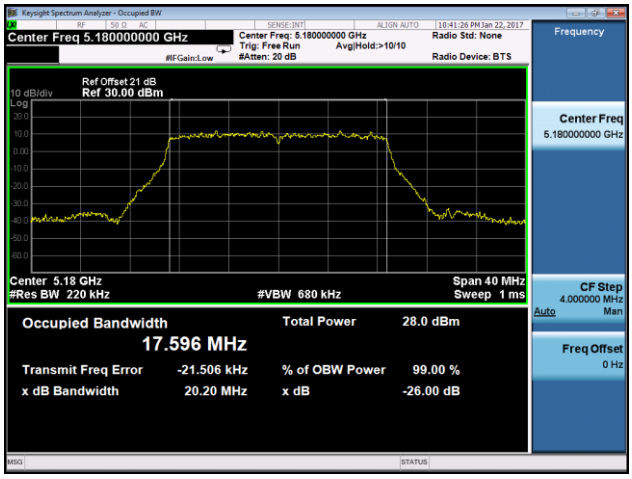


Channel 159 (5795MHz)

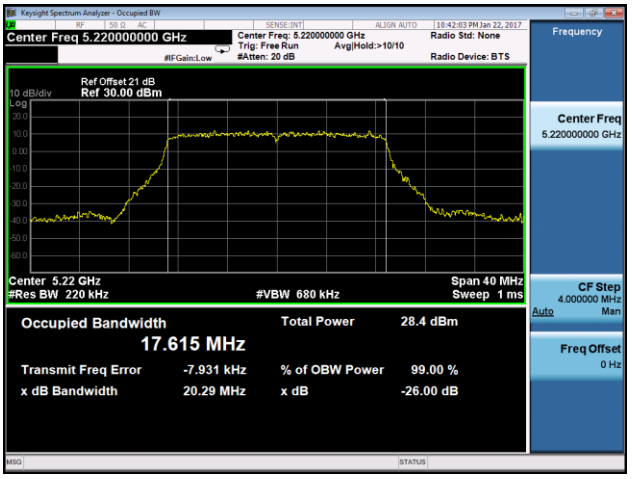


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1

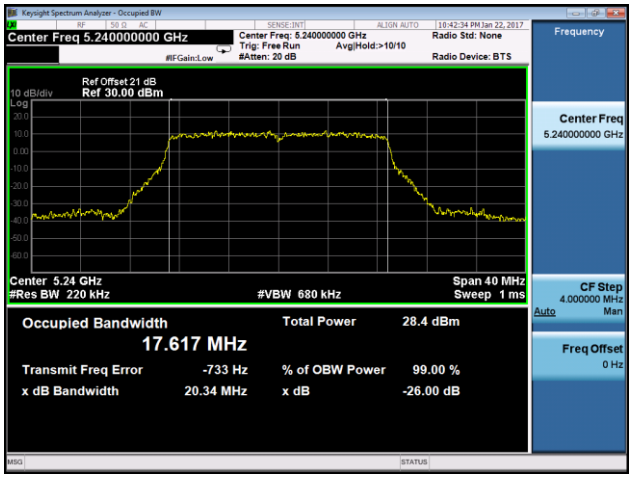
Channel 36 (5180MHz)



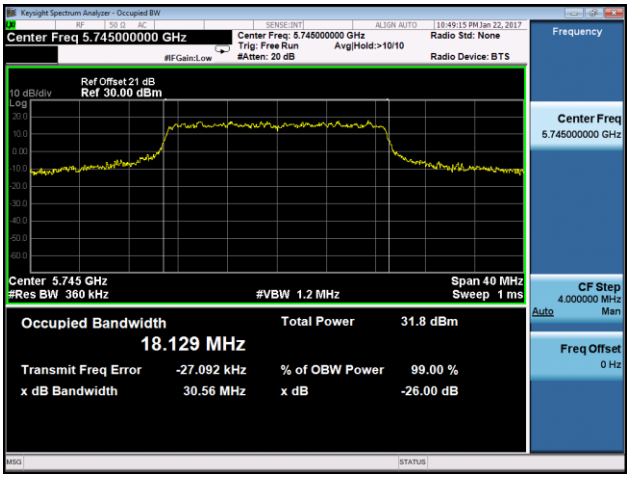
Channel 44 (5220MHz)



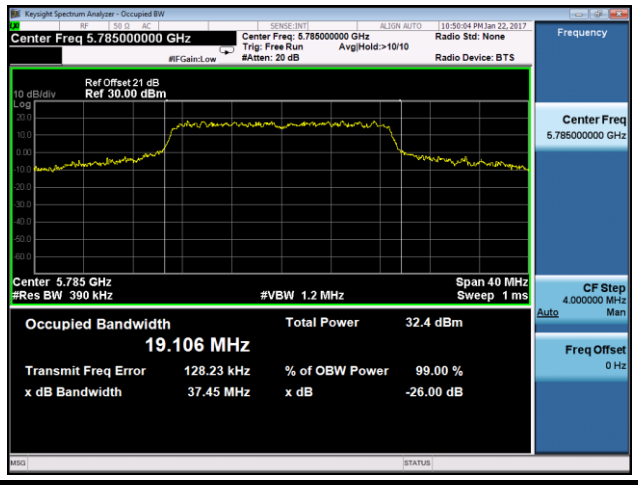
Channel 48 (5240MHz)



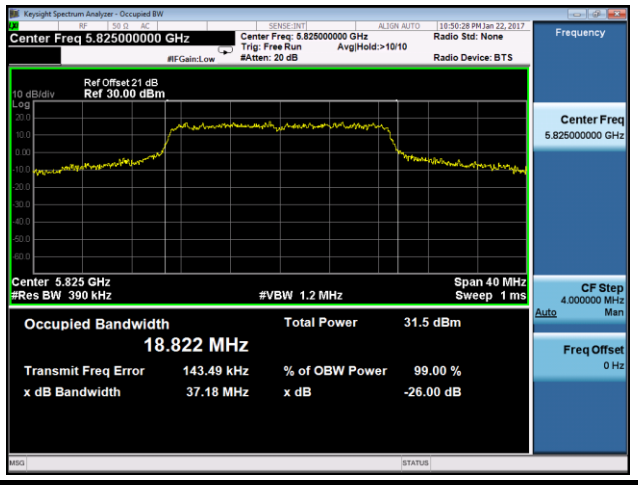
Channel 149 (5745MHz)



Channel 157 (5785MHz)

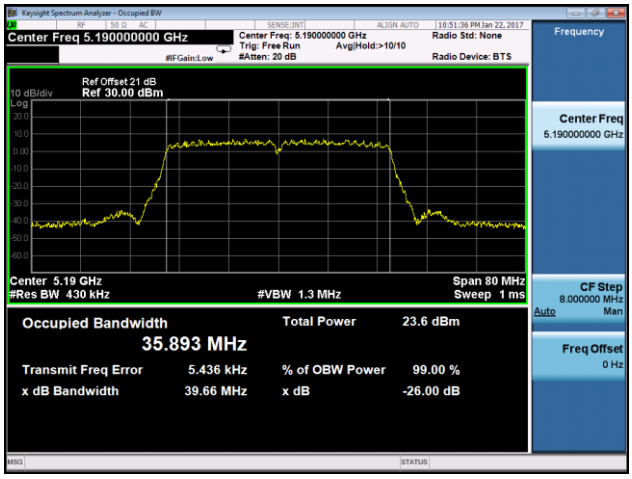


Channel 165 (5825MHz)

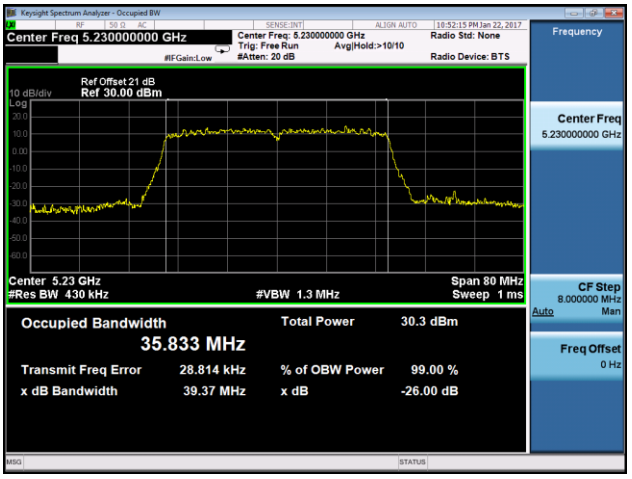


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1

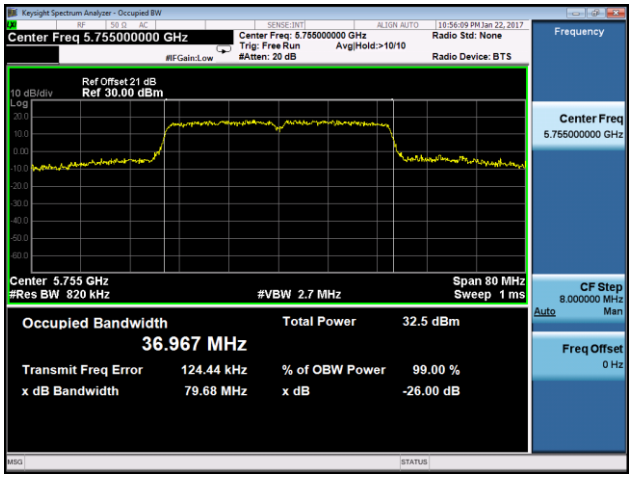
Channel 38 (5190MHz)



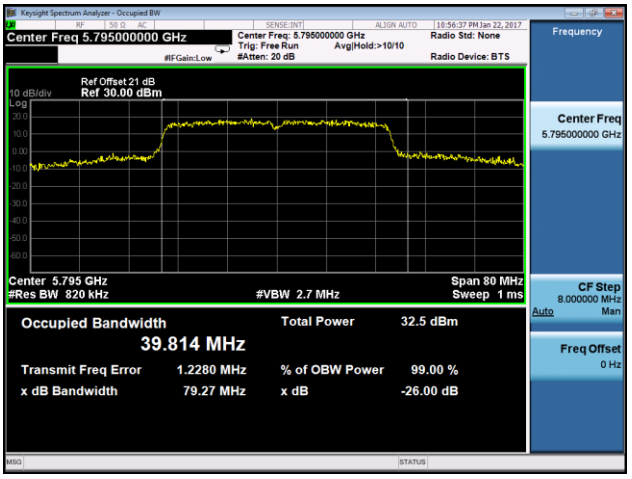
Channel 46 (5230MHz)

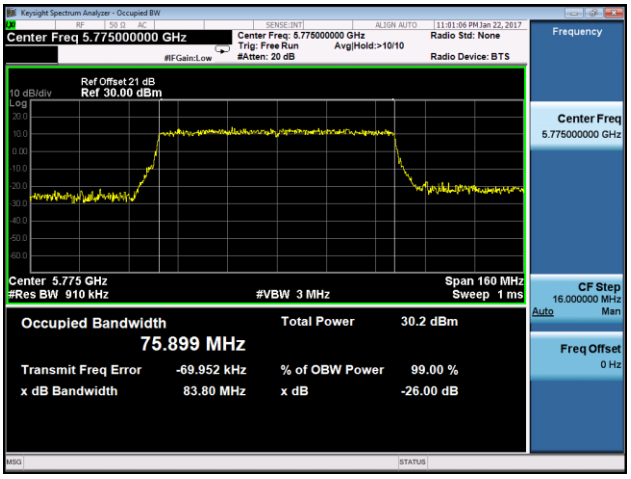
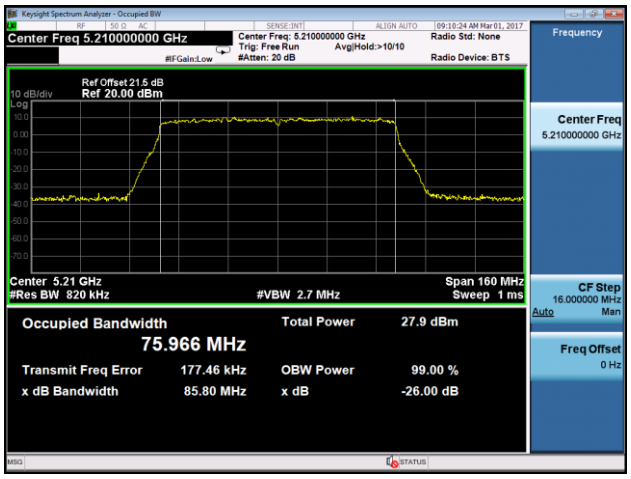
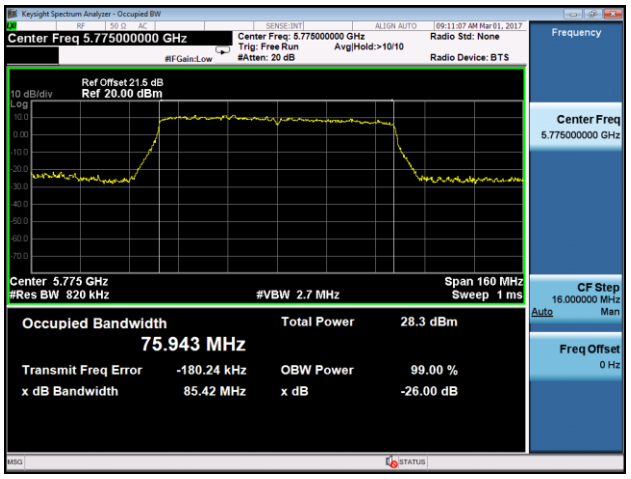


Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant 0 / Ant 0 + 1	
Channel 42 (5210MHz)	**Channel 155 (5775MHz)**
	
802.11ac-VHT80+80 26dB Bandwidth & 99% Bandwidth - Ant 0+1+2+3	
Channel 42+155 - Ant 0 (5210MHz)	**Channel 42+155 - Ant 2 (5755MHz)**
	

7.3. 6dB Bandwidth Measurement

7.3.1.Test Limit

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

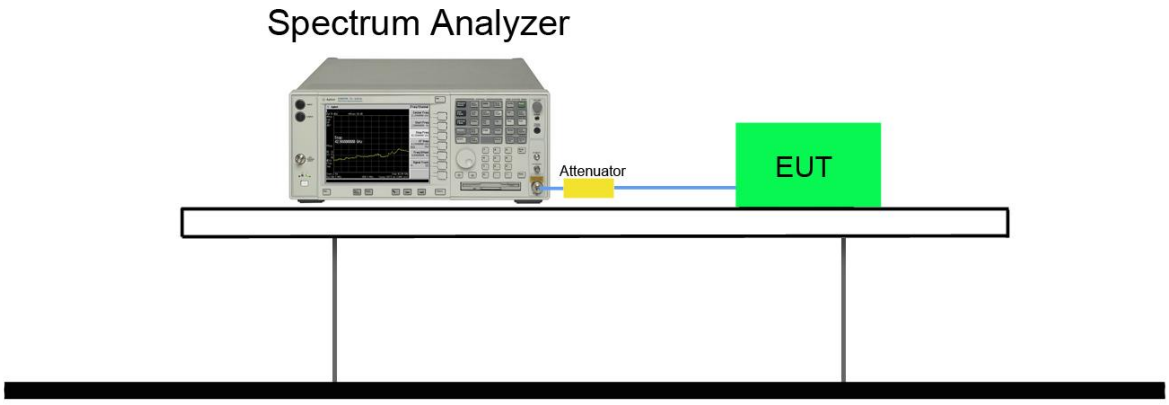
7.3.2.Test Procedure used

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 ≧ 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.

7.3.4.Test Setup

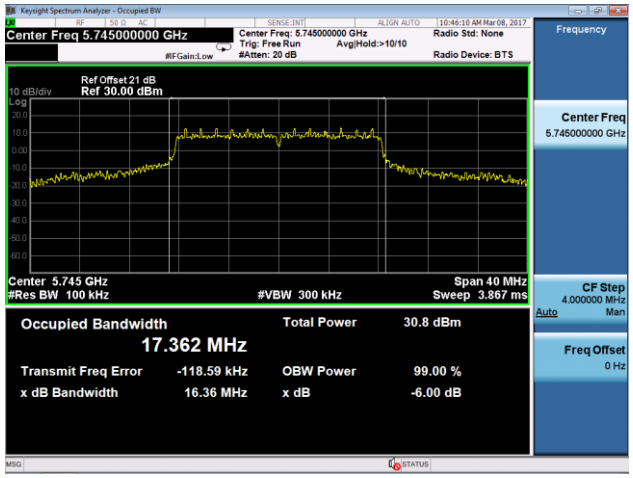
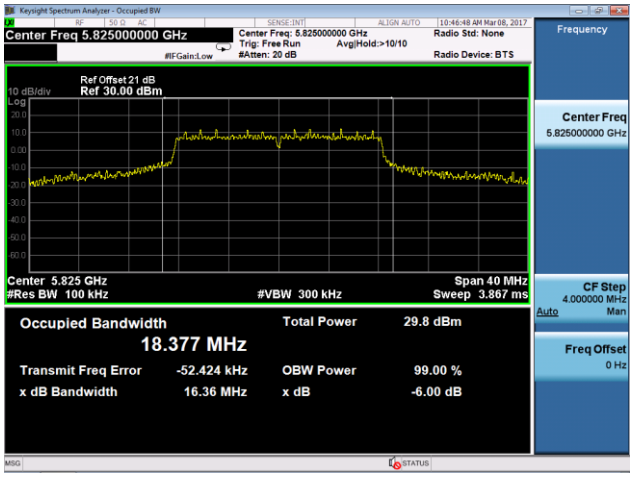


7.3.5.Test Result

Radio A 6dB Bandwidth Test Result

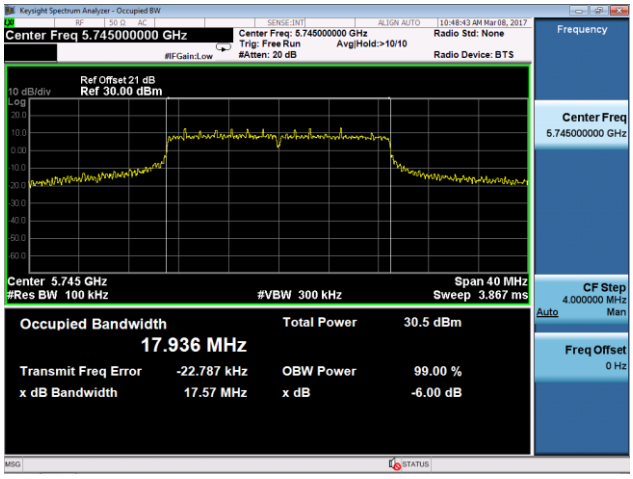
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0 / Ant 0 + 1						
802.11a	6	149	5745	16.36	≥ 0.5	Pass
802.11a	6	157	5785	16.38	≥ 0.5	Pass
802.11a	6	165	5825	16.36	≥ 0.5	Pass
802.11n-HT20	13	149	5745	17.57	≥ 0.5	Pass
802.11n-HT20	13	157	5785	17.60	≥ 0.5	Pass
802.11n-HT20	13	165	5825	17.59	≥ 0.5	Pass
802.11n-HT40	27	151	5755	35.18	≥ 0.5	Pass
802.11n-HT40	27	159	5795	35.10	≥ 0.5	Pass
802.11ac-VHT20	13	149	5745	17.60	≥ 0.5	Pass
802.11ac-VHT20	13	157	5785	17.61	≥ 0.5	Pass
802.11ac-VHT20	13	165	5825	17.60	≥ 0.5	Pass
802.11ac-VHT40	27	151	5755	35.41	≥ 0.5	Pass
802.11ac-VHT40	27	159	5795	35.18	≥ 0.5	Pass
802.11ac-VHT80	58.6	155	5775	75.43	≥ 0.5	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1 / Ant 0 + 1						
802.11ac-VHT80+80	29.3	155	5775	75.36	≥ 0.5	Pass

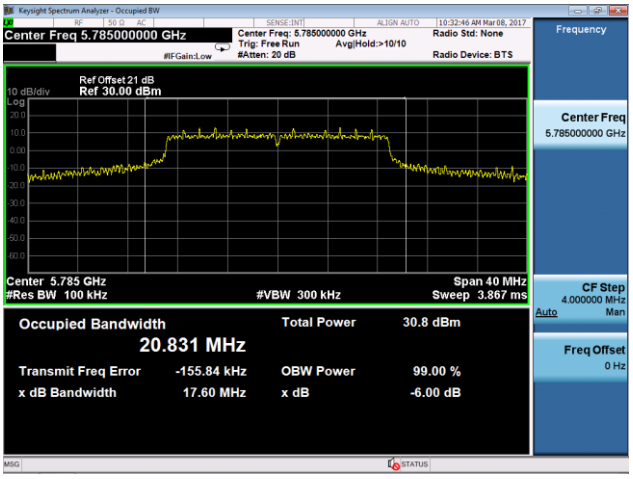
802.11a 6dB Bandwidth - Ant 0 / Ant 0 + 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

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

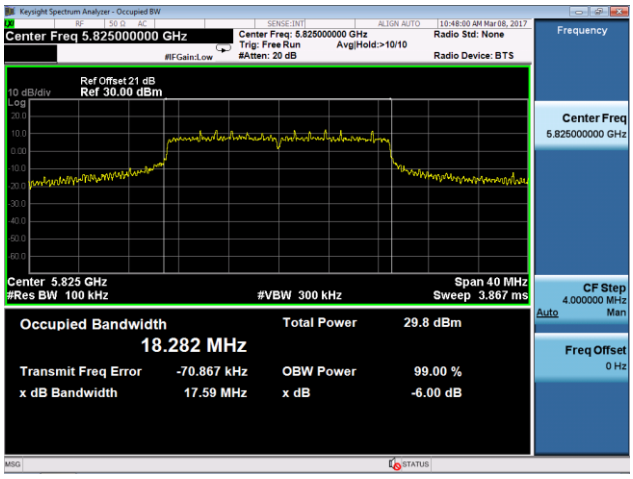
Channel 149 (5745MHz)



Channel 157 (5785MHz)

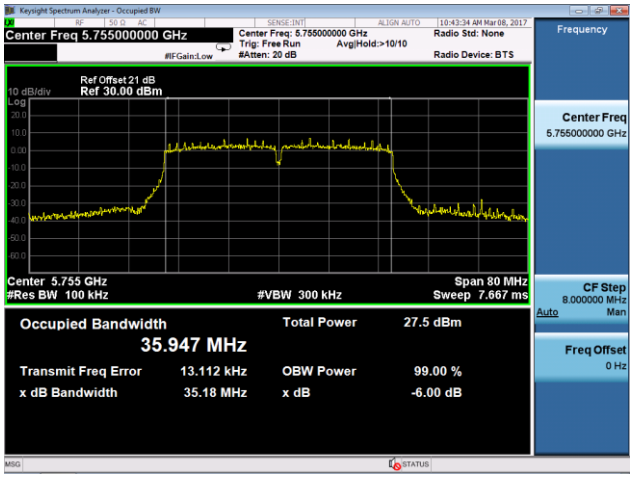


Channel 165 (5825MHz)

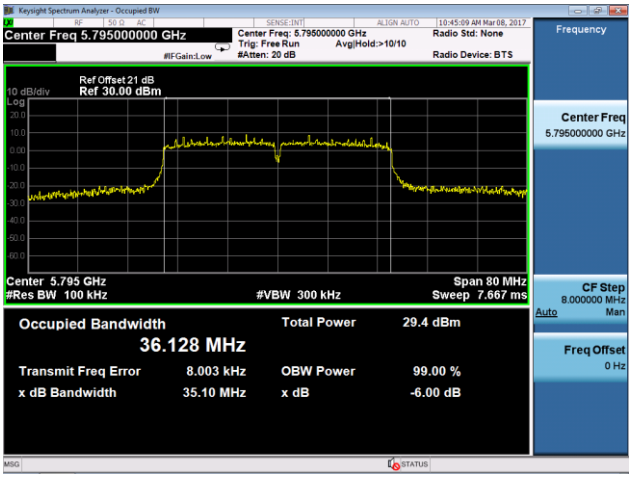


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

Channel 151 (5755MHz)

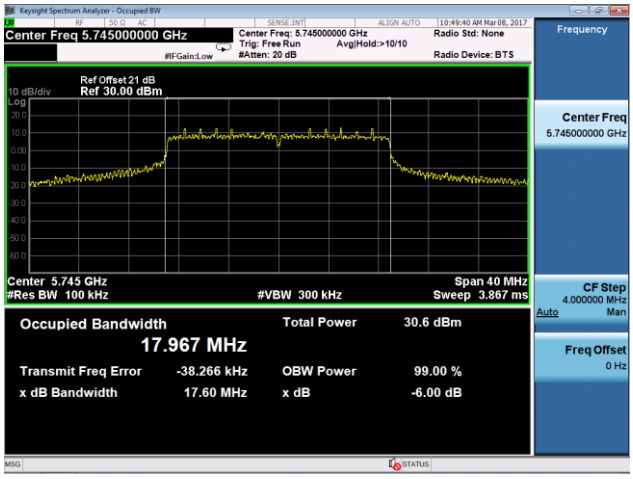


Channel 159 (5795MHz)

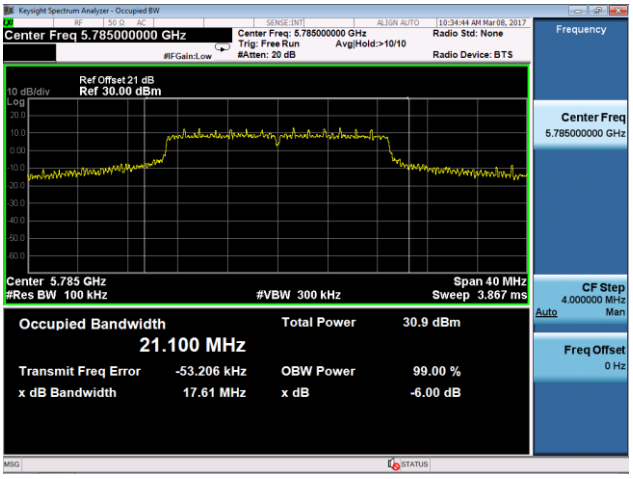


802.11ac-VHT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

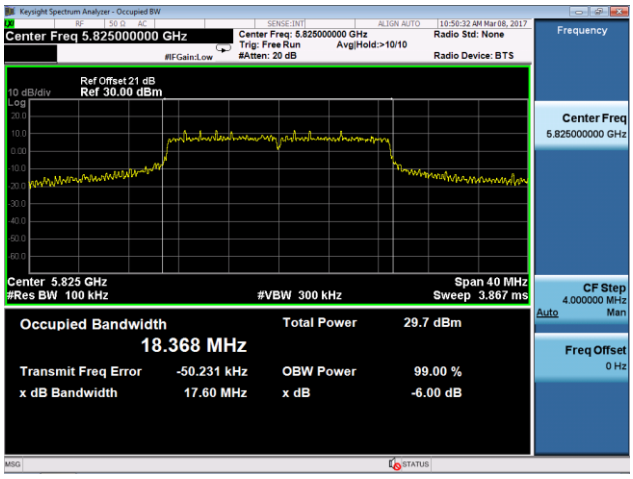
Channel 149 (5745MHz)



Channel 157 (5785MHz)

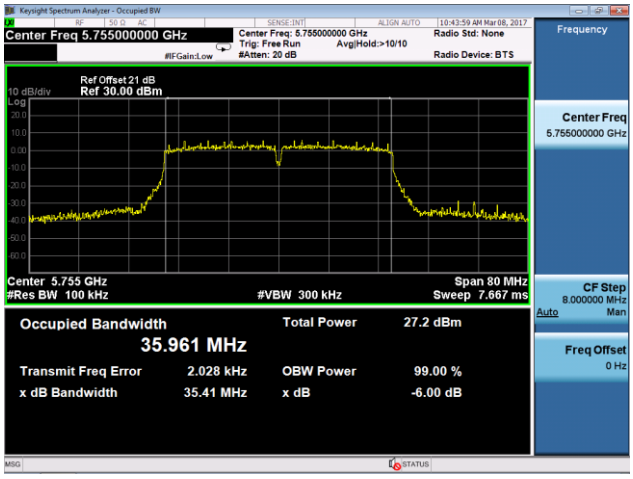


Channel 165 (5825MHz)

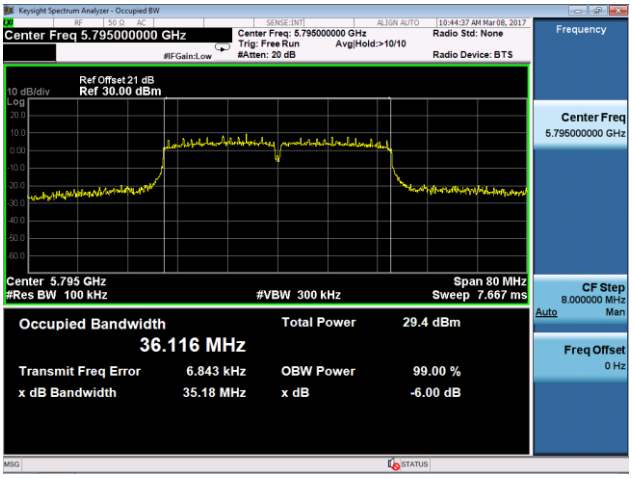


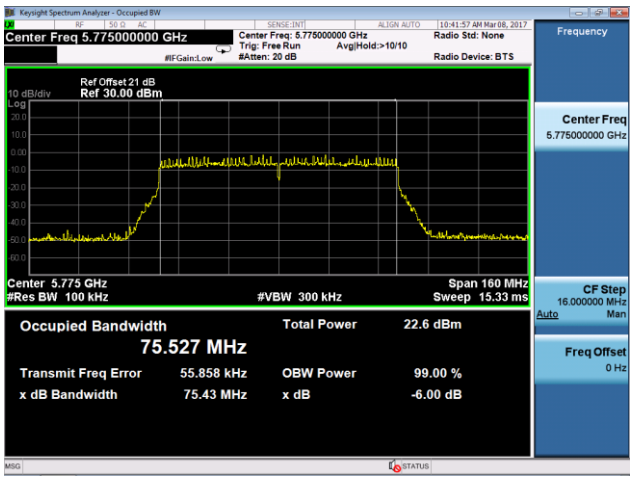
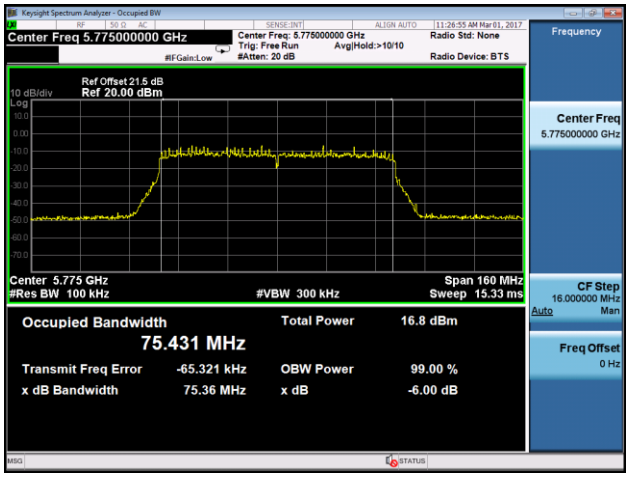
802.11ac-VHT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

Channel 151 (5755MHz)



Channel 159 (5795MHz)

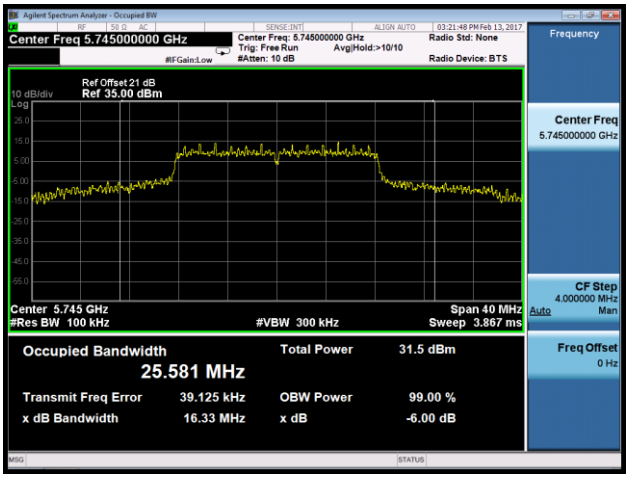
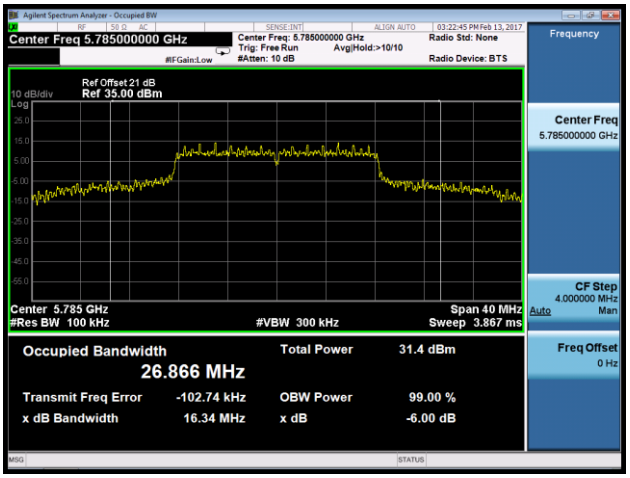
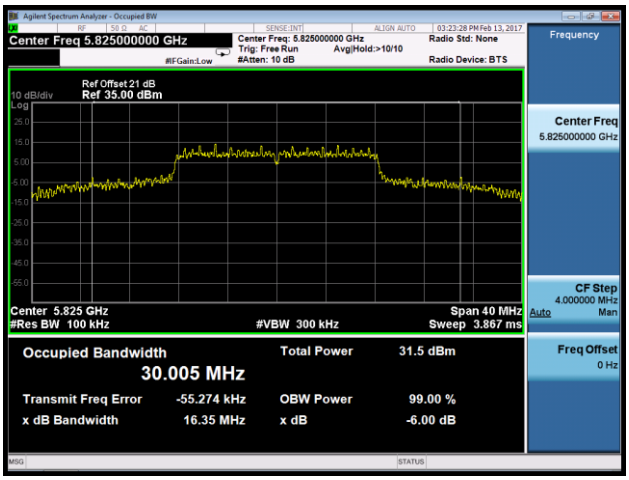


802.11ac-VHT80 6dB Bandwidth - Ant 0 / Ant 0 + 1	
Channel 155 (5775MHz)	
	
802.11ac-VHT80+80 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 42+155 - Ant 2 (5755MHz)	
	

Radio B 6dB Bandwidth Test Result

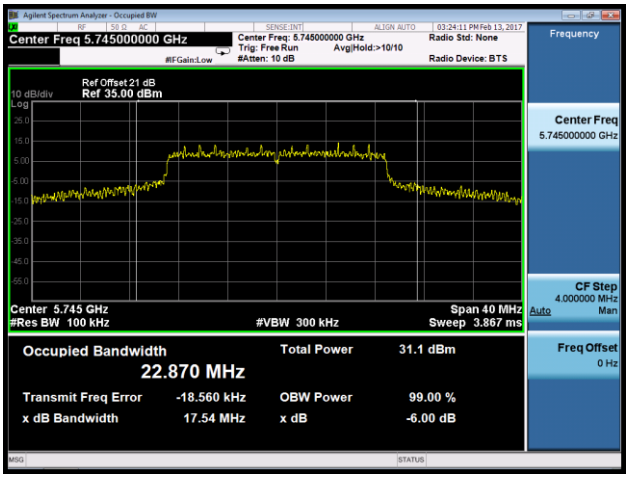
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0 / Ant 0 + 1						
802.11a	6	149	5745	16.33	≥ 0.5	Pass
802.11a	6	157	5785	16.34	≥ 0.5	Pass
802.11a	6	165	5825	16.35	≥ 0.5	Pass
802.11n-HT20	13	149	5745	17.54	≥ 0.5	Pass
802.11n-HT20	13	157	5785	17.58	≥ 0.5	Pass
802.11n-HT20	13	165	5825	17.61	≥ 0.5	Pass
802.11n-HT40	27	151	5755	35.09	≥ 0.5	Pass
802.11n-HT40	27	159	5795	35.07	≥ 0.5	Pass
802.11ac-VHT20	13	149	5745	17.62	≥ 0.5	Pass
802.11ac-VHT20	13	157	5785	17.54	≥ 0.5	Pass
802.11ac-VHT20	13	165	5825	17.56	≥ 0.5	Pass
802.11ac-VHT40	27	151	5755	35.11	≥ 0.5	Pass
802.11ac-VHT40	27	159	5795	35.09	≥ 0.5	Pass
802.11ac-VHT80	58.6	155	5775	75.33	≥ 0.5	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1 / Ant 0 + 1						
802.11ac-VHT80+80	29.3	155	5775	75.38	≥ 0.5	Pass

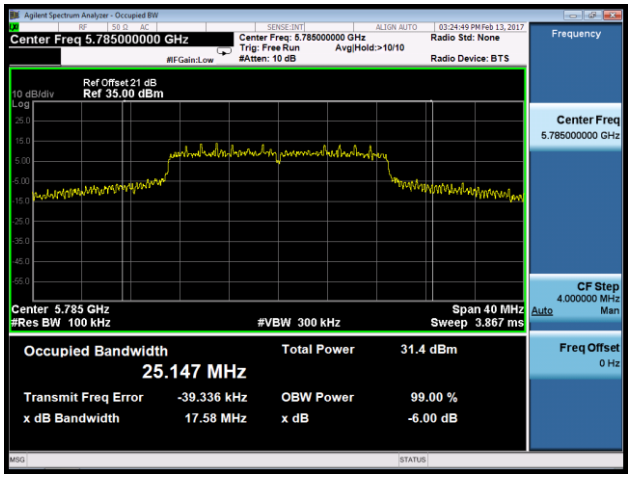
802.11a 6dB Bandwidth - Ant 0 / Ant 0 + 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

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

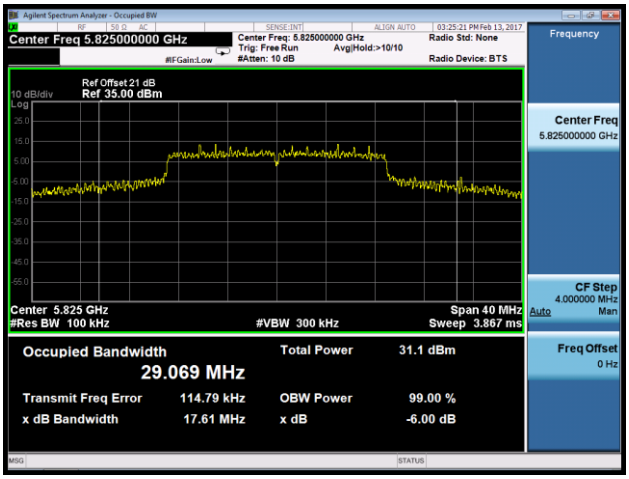
Channel 149 (5745MHz)



Channel 157 (5785MHz)

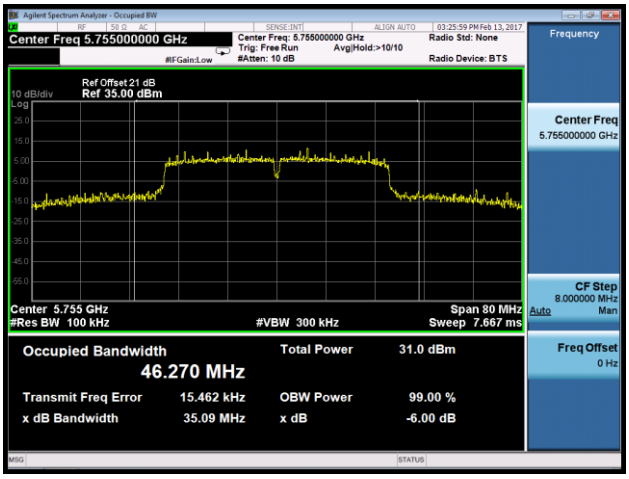


Channel 165 (5825MHz)



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

Channel 151 (5755MHz)



Channel 159 (5795MHz)