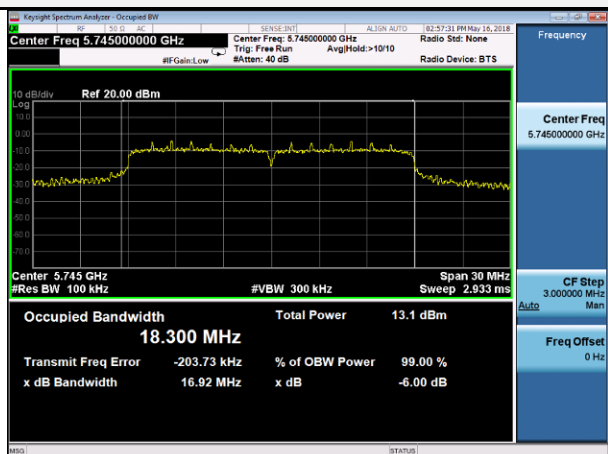
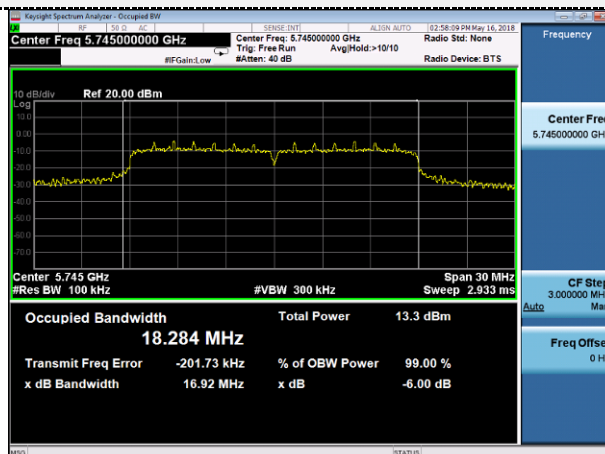


Antenna 2

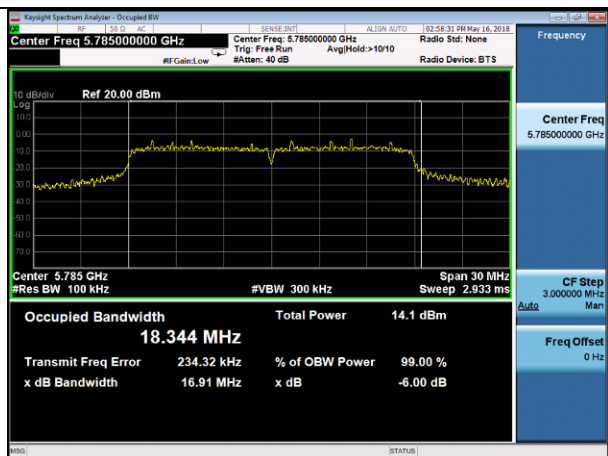
802.11a



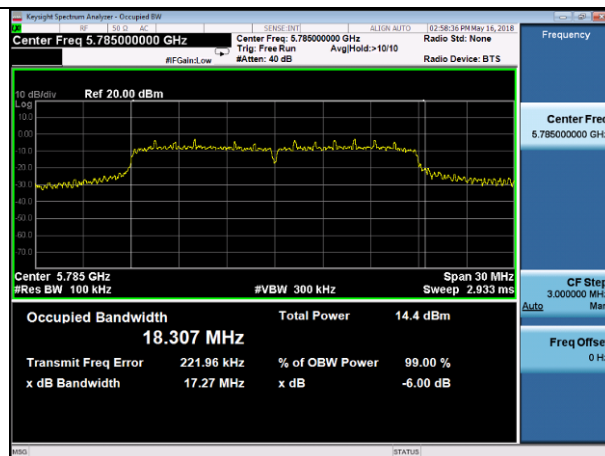
802.11n HT20



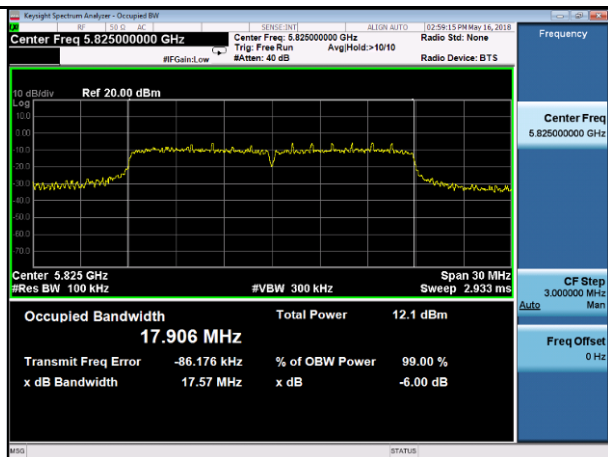
CH149



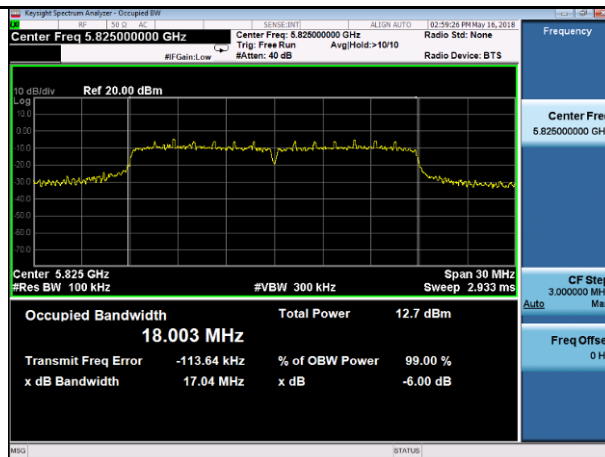
CH149



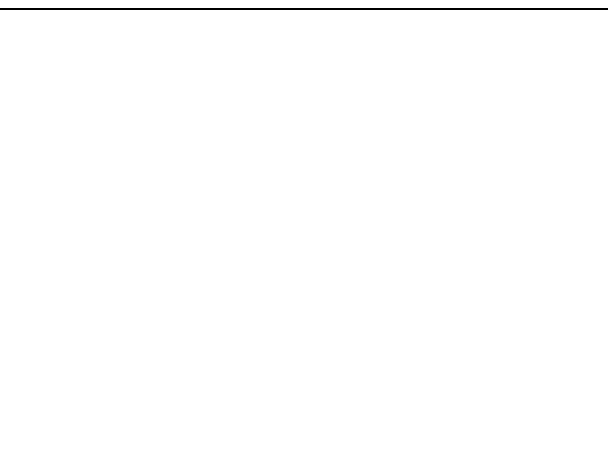
CH157



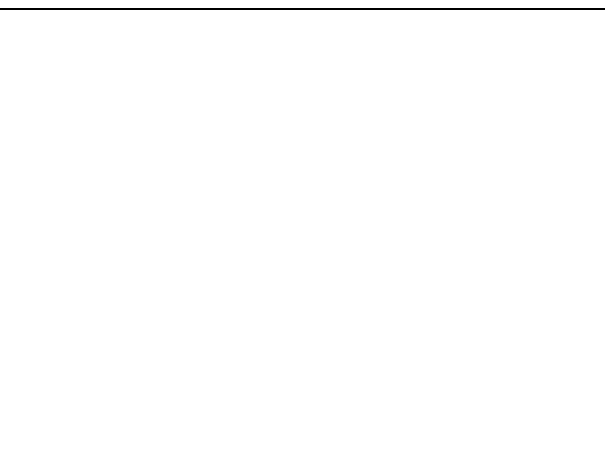
CH157



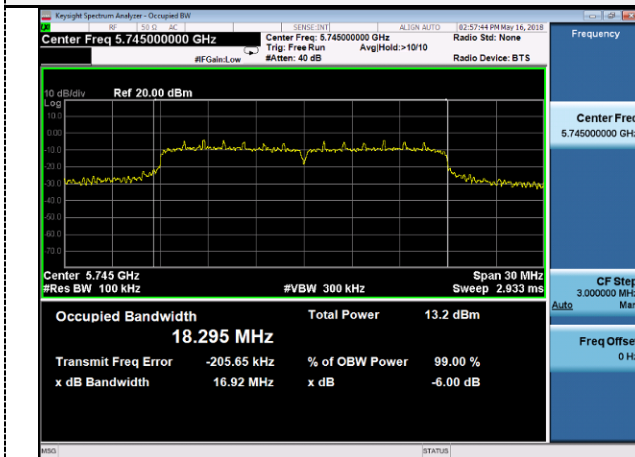
CH165



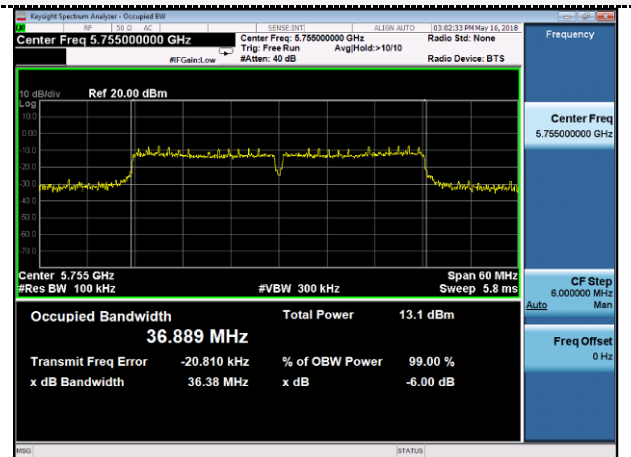
CH165



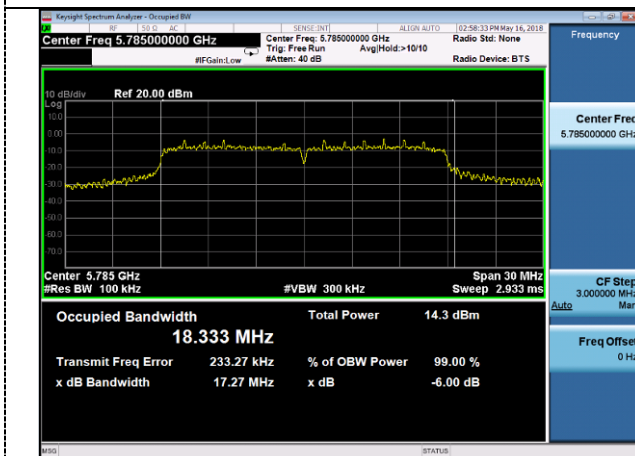
802.11ac VHT20



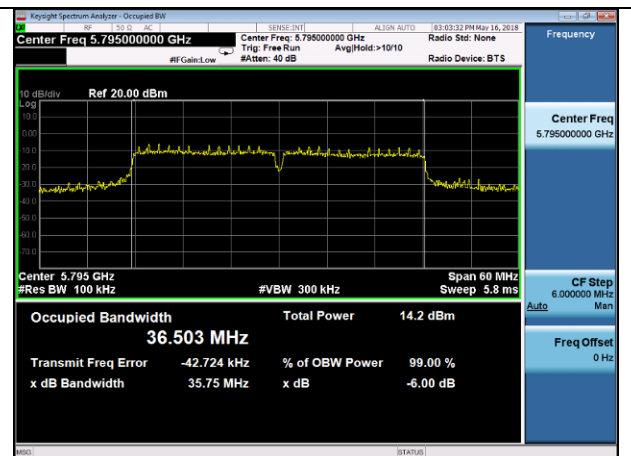
802.11n HT40



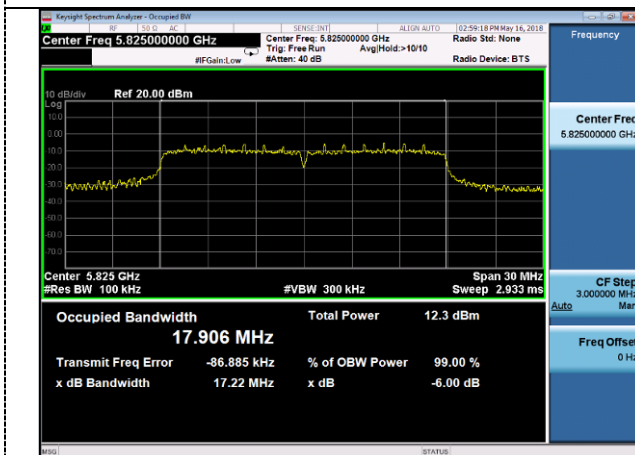
CH149



CH151



CH157

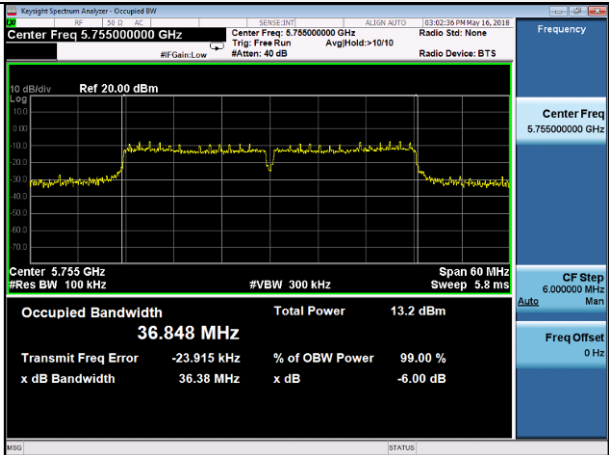


CH159

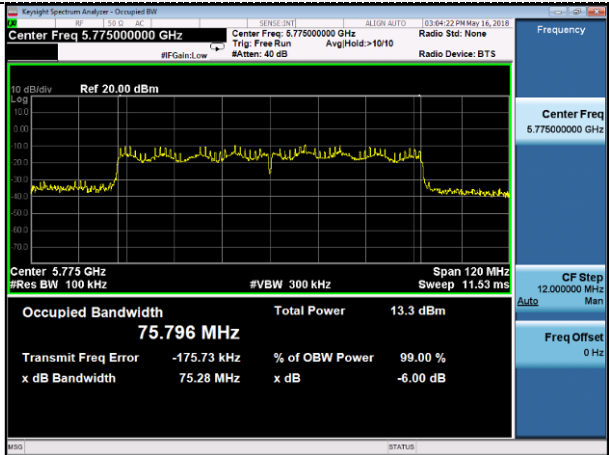


CH165

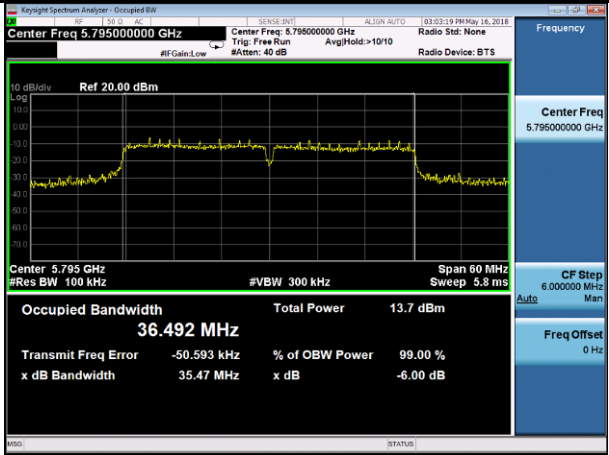
802.11ac VHT40



802.11ac VHT80



CH151



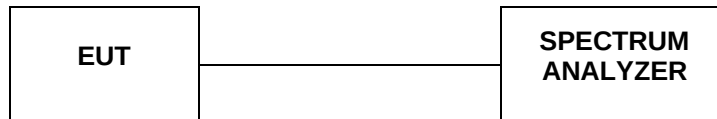
CH155

CH159



4.7. 26dBc Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

LIMIT

No Limits for 26dBc Bandwidth

TEST RESULTS

Antenna 1

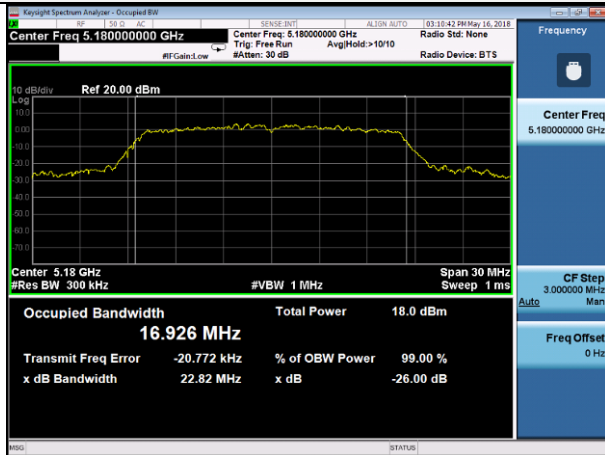
Type	Channel	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	36	22.82	-----	Pass
	40	21.14		
	48	21.3		
802.11n HT20	36	22.66	-----	Pass
	40	21.14		
	48	20.36		
802.11ac VHT20	36	21.34	-----	Pass
	40	21.16		
	48	20.71		
802.11n HT 40	38	46.73	-----	Pass
	46	47.47		
802.11ac VHT40	38	45.14	-----	Pass
	46	47.44		
802.11ac VHT80	42	81.27	-----	Pass

Antenna 2

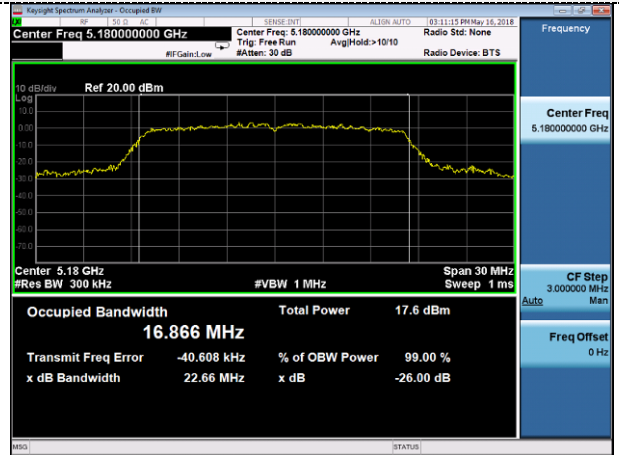
Type	Channel	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	36	21.06	-----	Pass
	40	21.17		
	48	20.37		
802.11n HT20	36	20.42	-----	Pass
	40	19.95		
	48	19.96		
802.11ac VHT20	36	20.04	-----	Pass
	40	21.22		
	48	21.25		
802.11n HT 40	38	42.63	-----	Pass
	46	47.43		
802.11ac VHT40	38	45.08	-----	Pass
	46	49.72		
802.11ac VHT80	42	81.02	-----	Pass

Antenna 1

802.11a



802.11n HT20



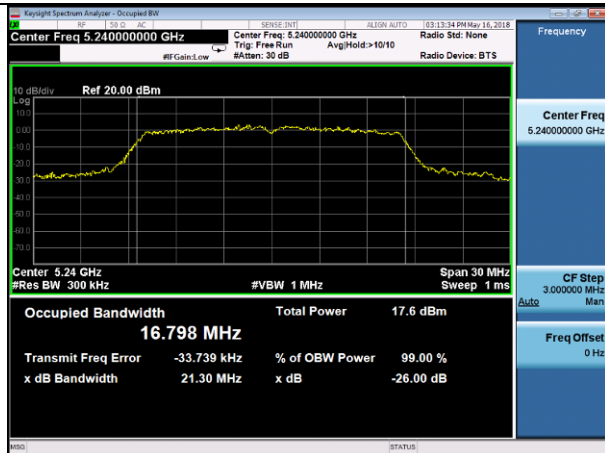
CH36



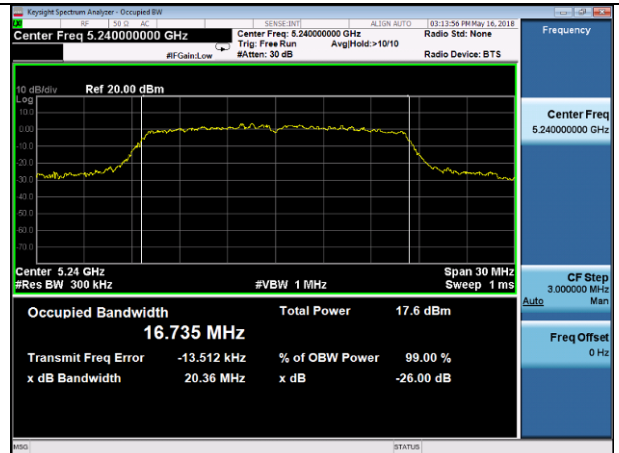
CH36



CH40



CH40



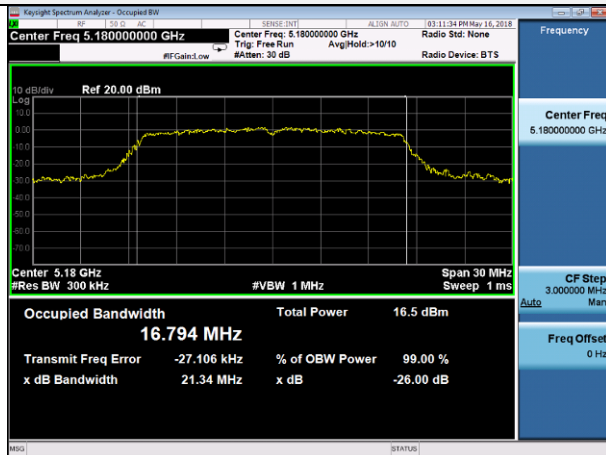
CH48



CH48



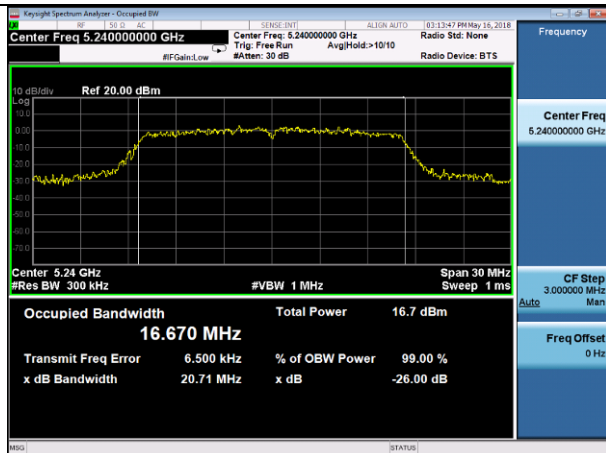
802.11ac VHT20



CH36

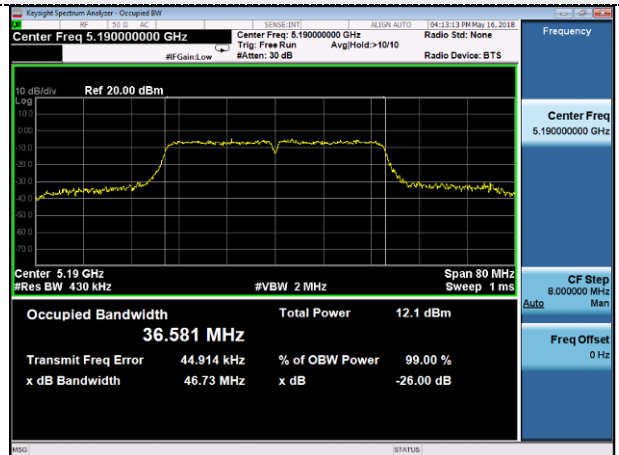


CH40

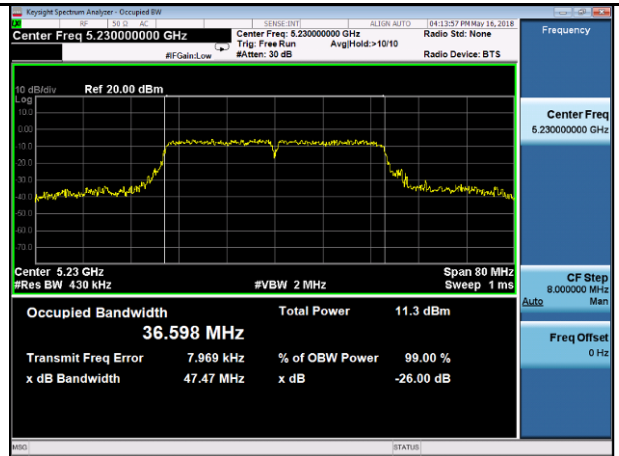


CH48

802.11n HT40

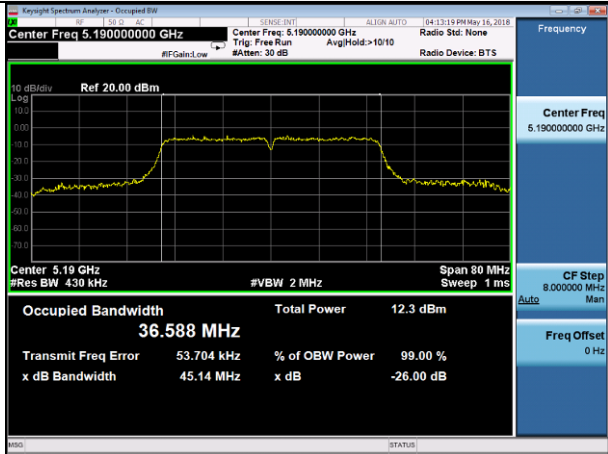


CH38

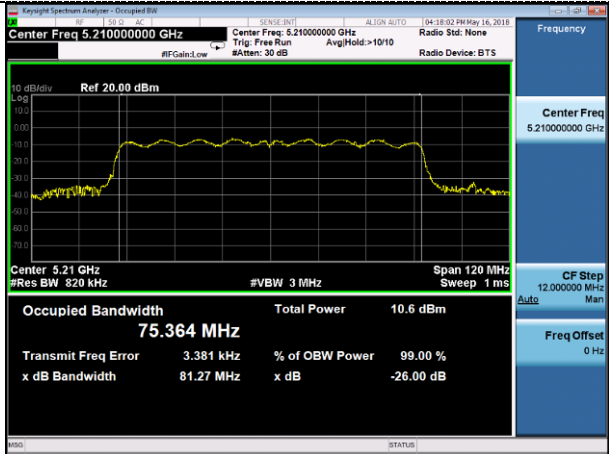


CH46

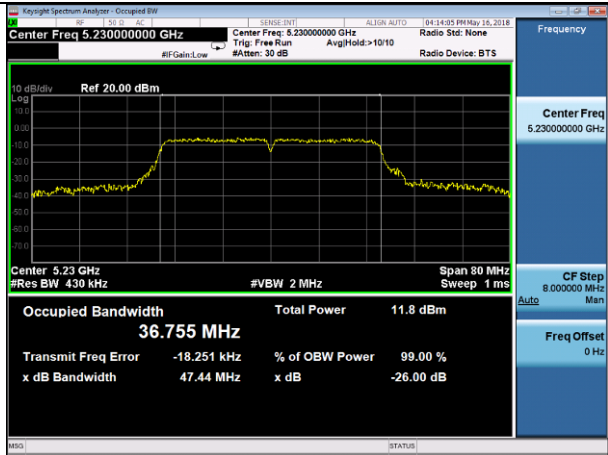
802.11ac VHT40



802.11ac VHT80



CH38



CH42

CH46

Antenna 2

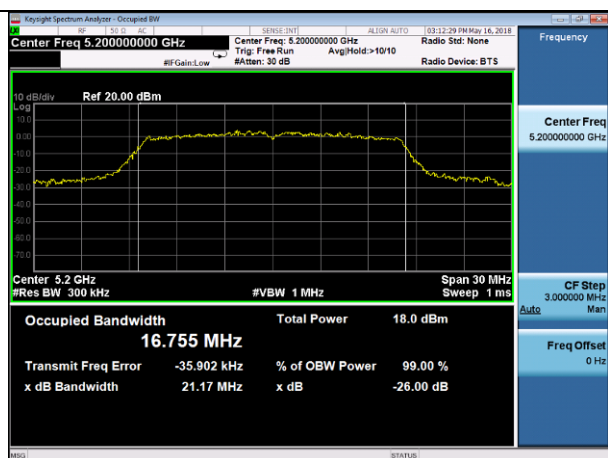
802.11a



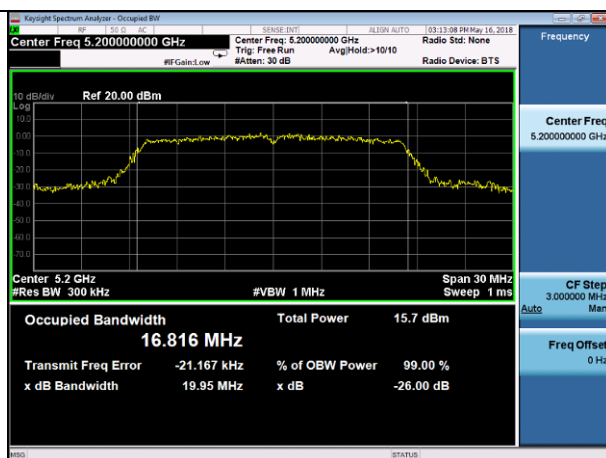
802.11n HT20



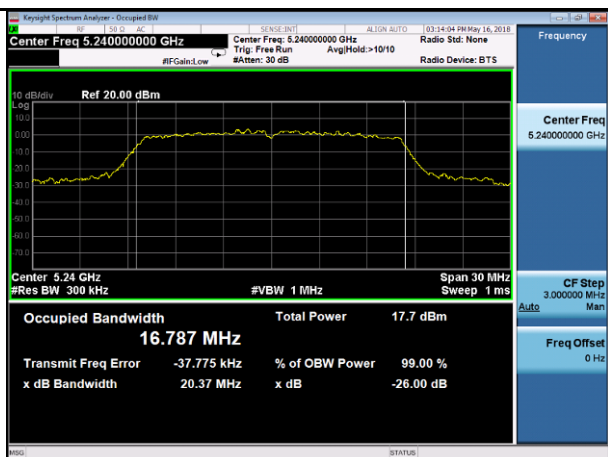
CH36



CH36



CH40



CH40



CH48

CH48

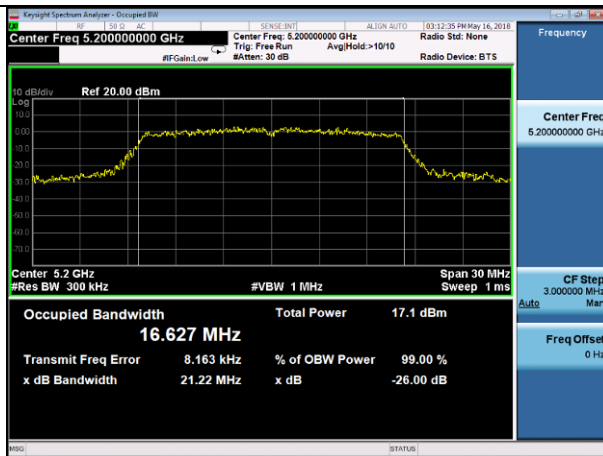
802.11ac VHT20



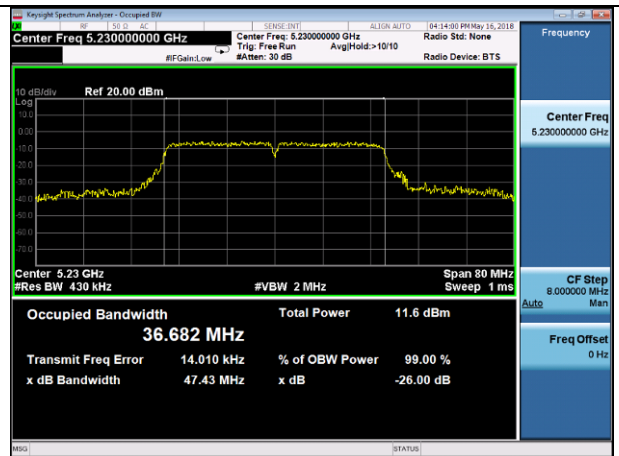
802.11n HT40



CH36



CH38



CH40

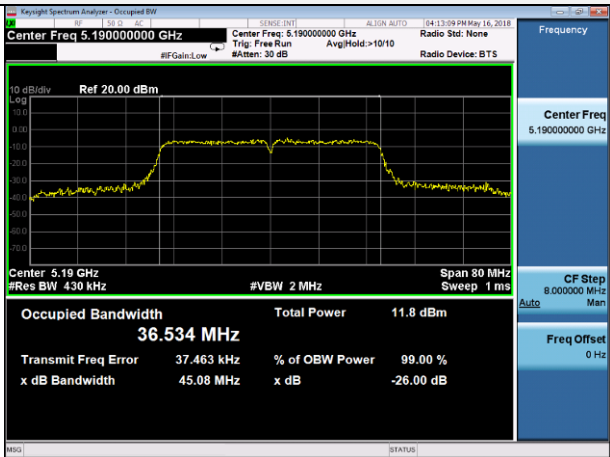


CH46

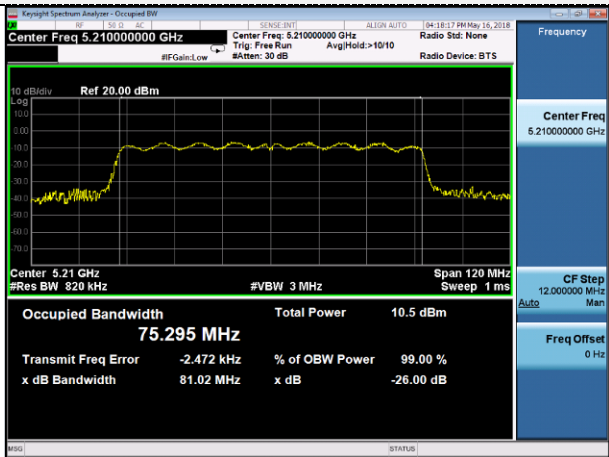


CH48

802.11ac VHT40



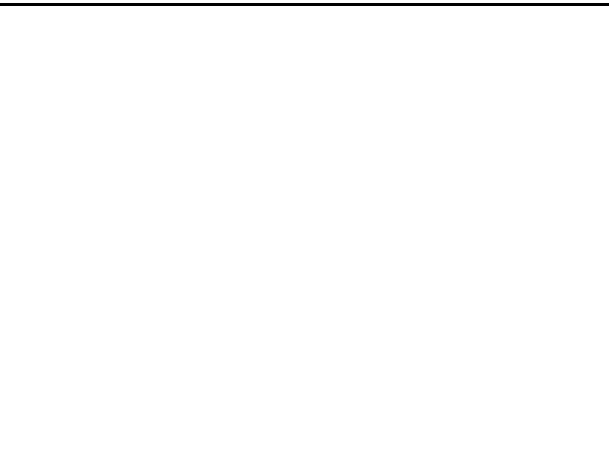
802.11ac VHT80



CH38



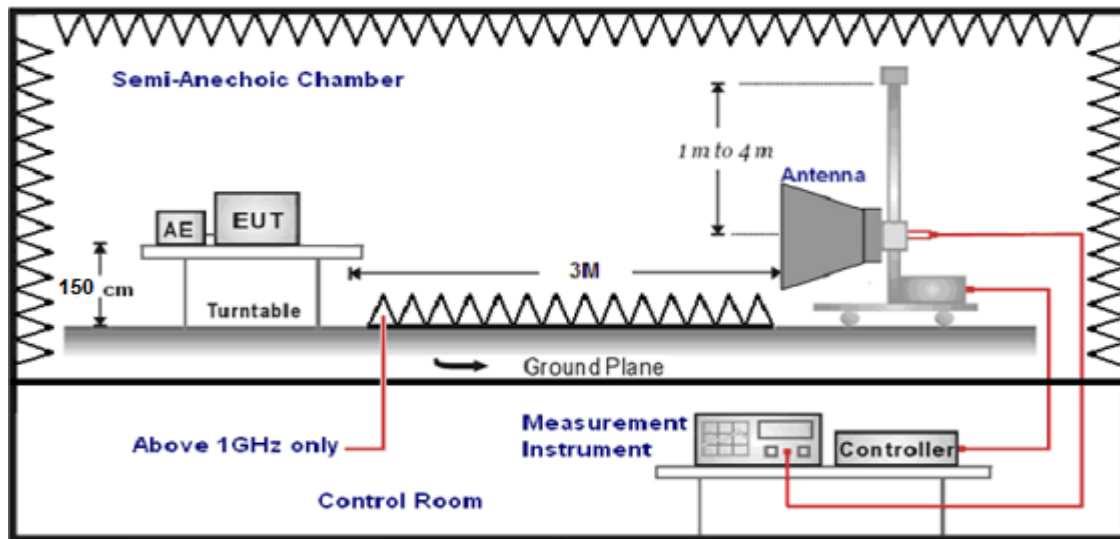
CH42



CH46

4.8. Band Edge Compliance

TEST CONFIGURATION



LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

According to §15.407 (b):

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.