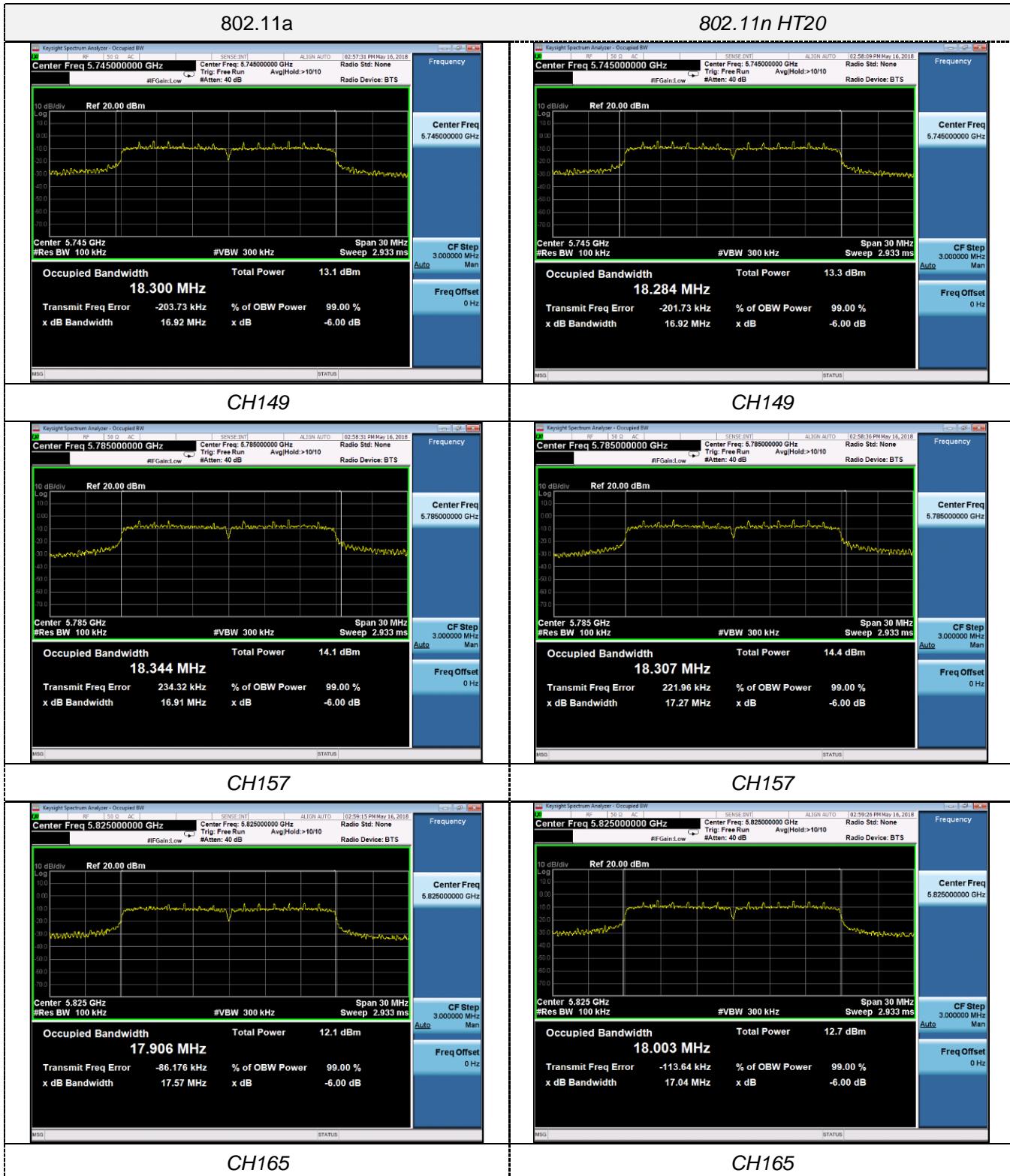


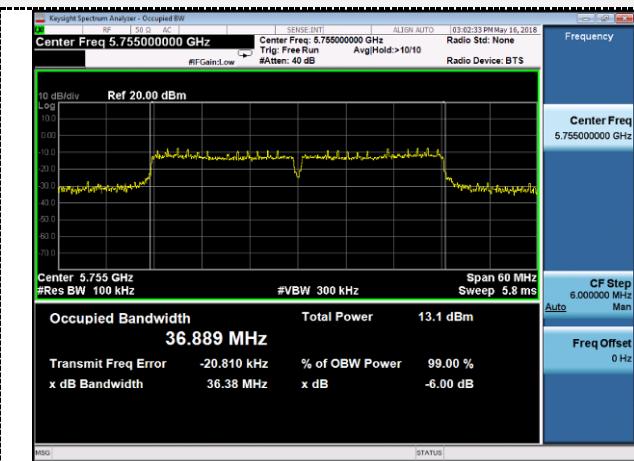
## Antenna 2



## 802.11ac VHT20



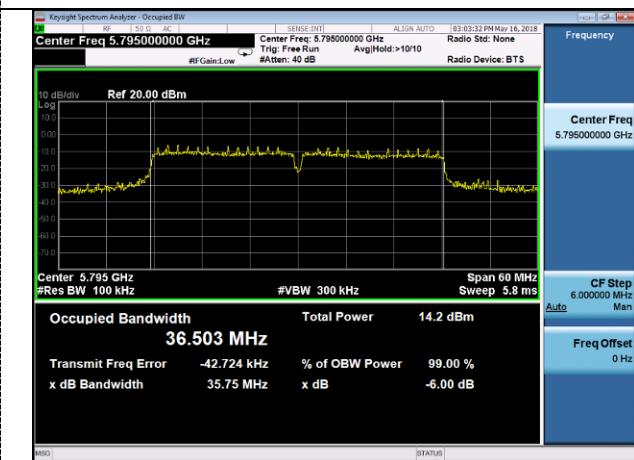
## 802.11n HT40



## CH149



## CH151



## CH157

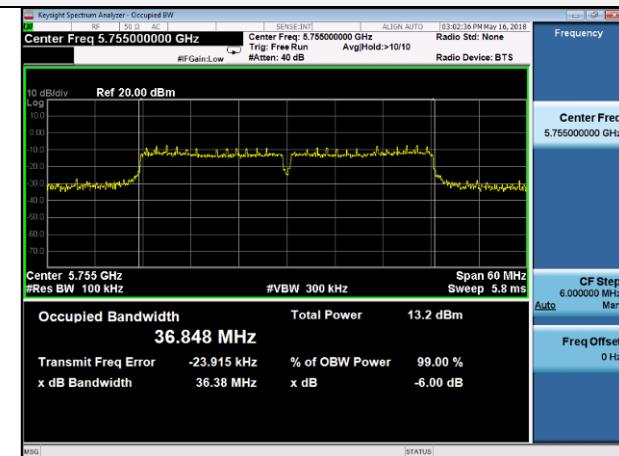


## CH159

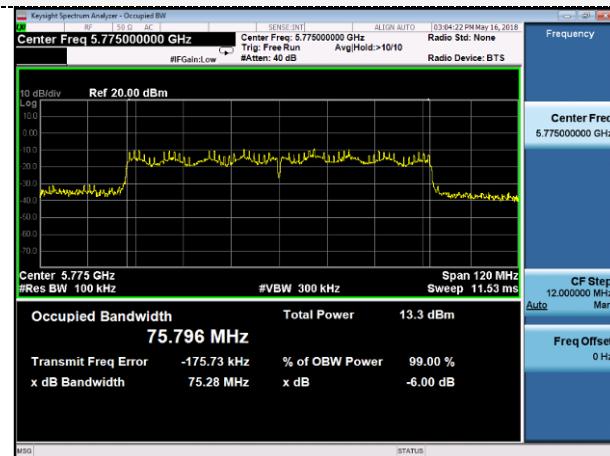


## CH165

## 802.11ac VHT40



## 802.11ac VHT80



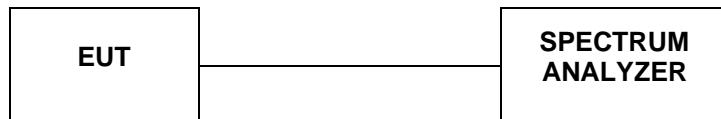
CH151

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 Bandwith

### TEST RESULTS

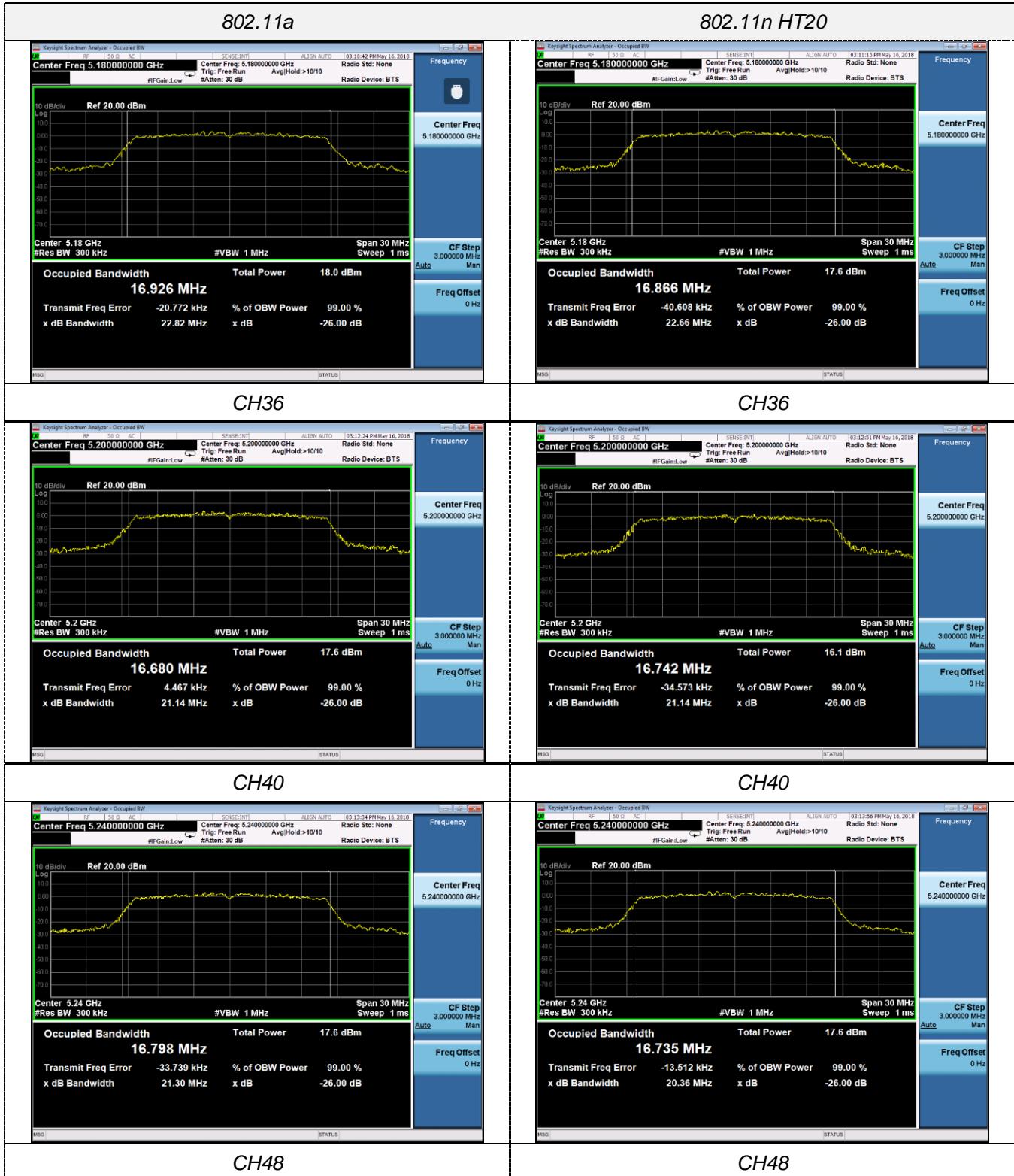
**Antenna 1**

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

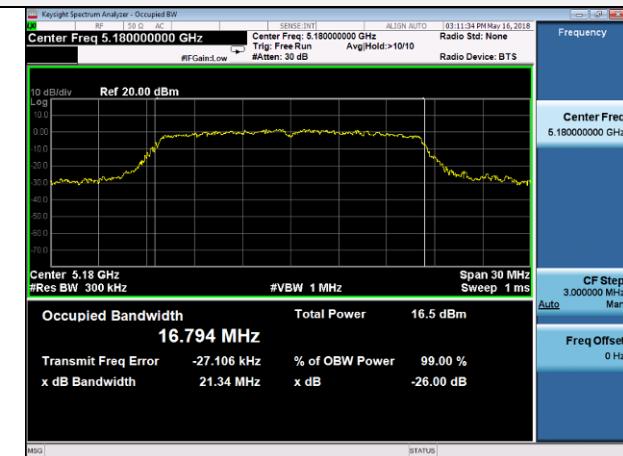
**Antenna 2**

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

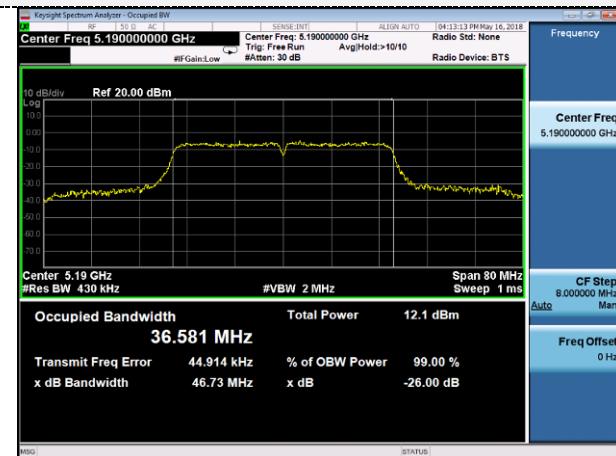
## Antenna 1



## 802.11ac VHT20



## 802.11n HT40



CH36



CH38



CH40

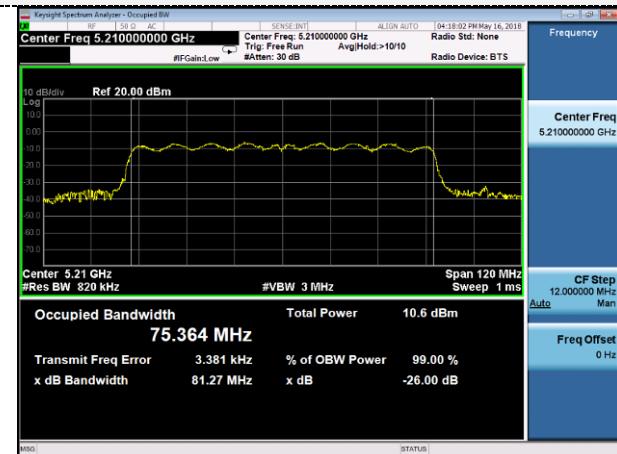


CH46

## 802.11ac VHT40



## 802.11ac VHT80



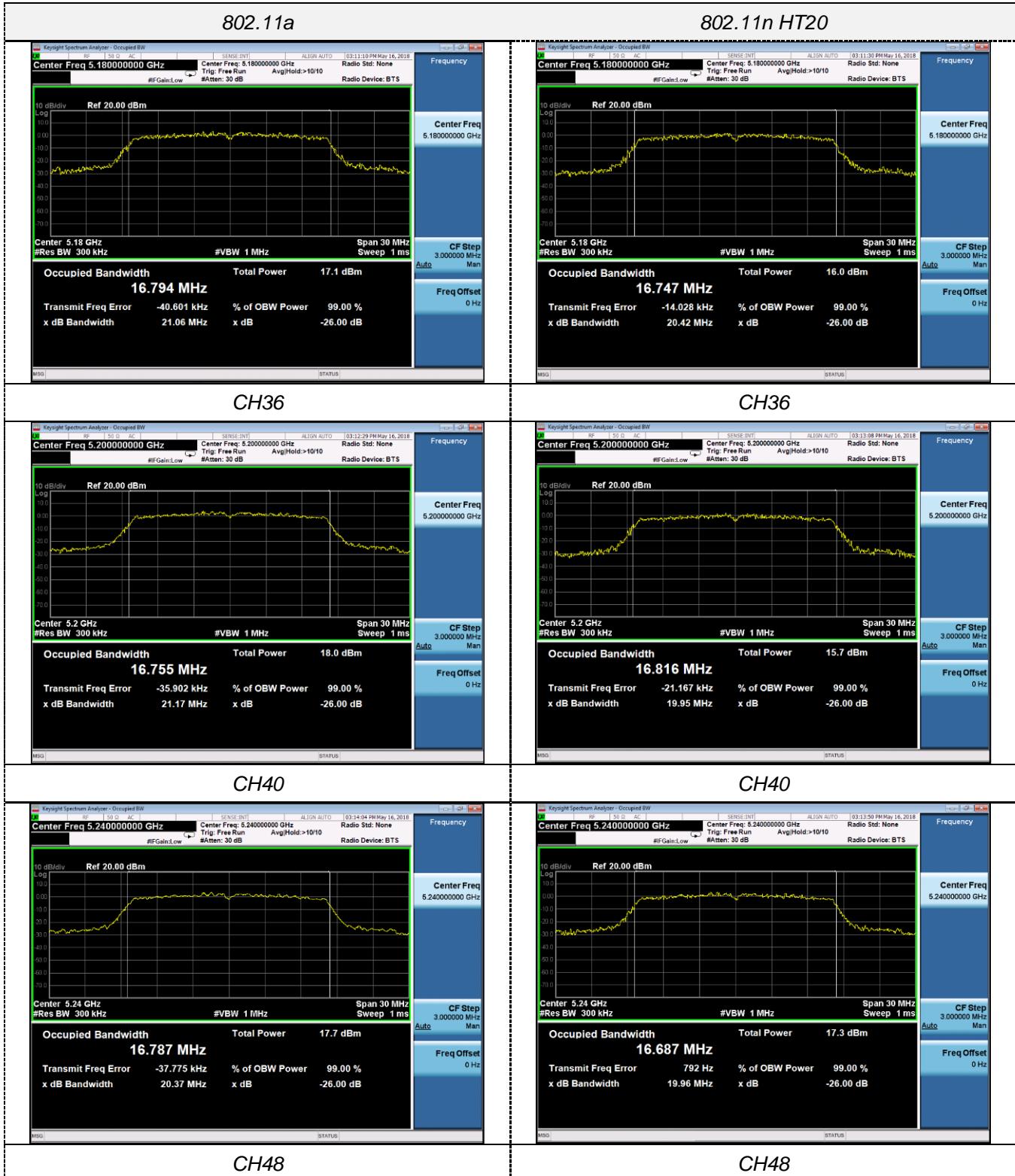
CH38



CH46

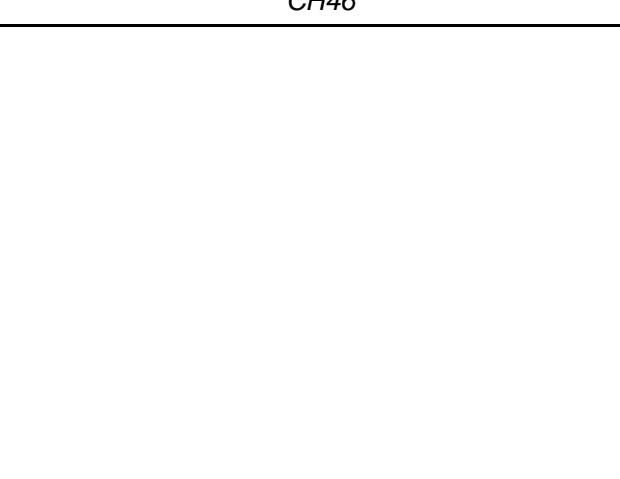
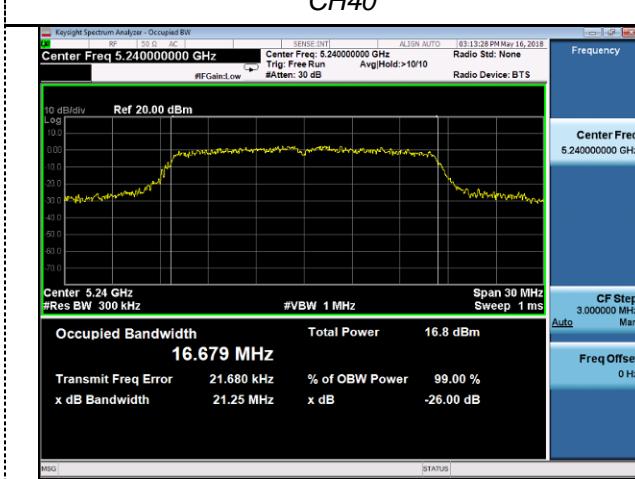
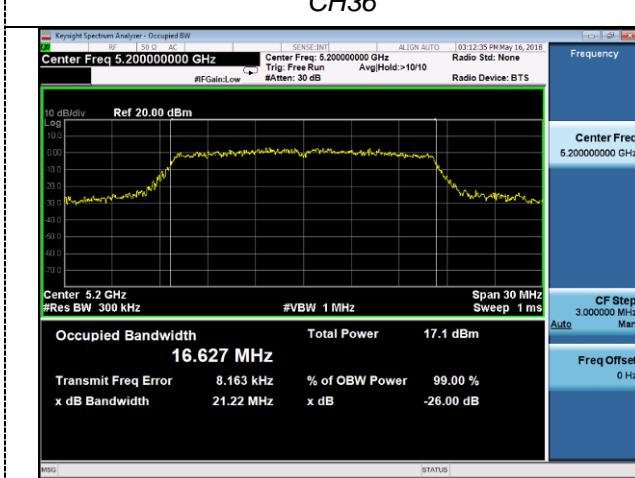
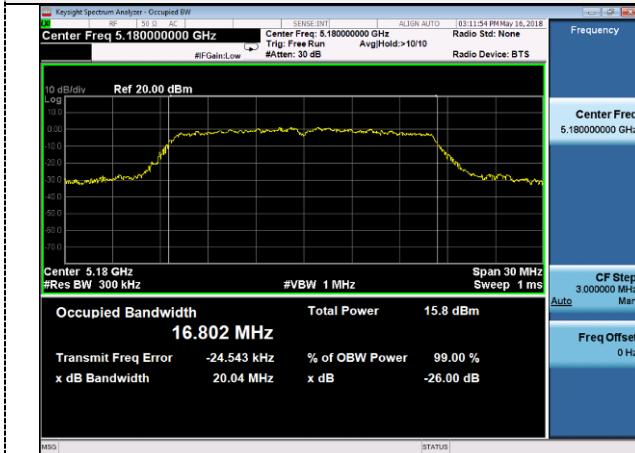
CH42

## Antenna 2

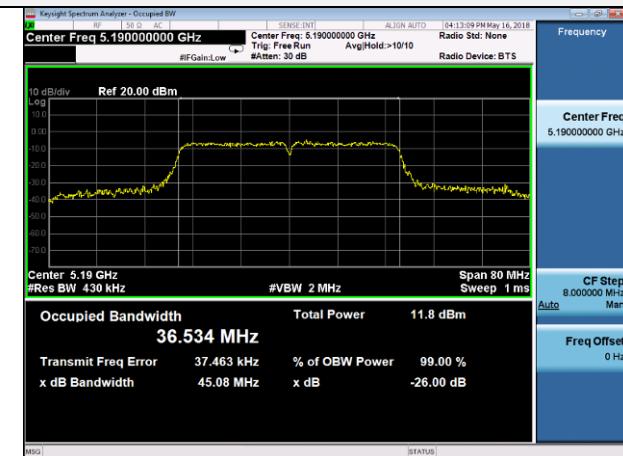


## 802.11ac VHT20

## 802.11n HT40



## 802.11ac VHT40



## 802.11ac VHT80



CH38

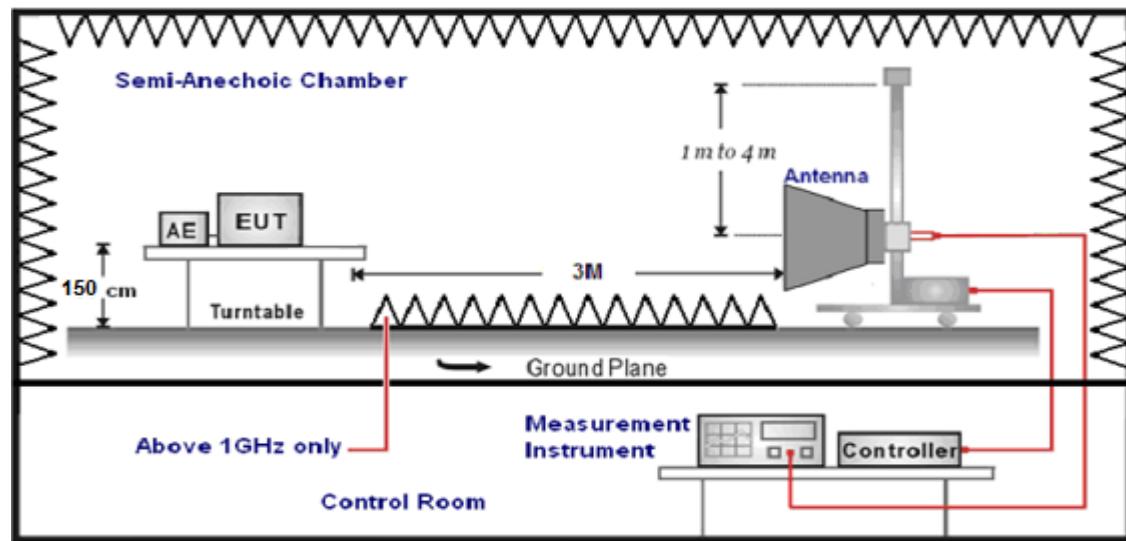
CH42

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 (dB $\mu$ V/m)	Radiated ( $\mu$ V/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.