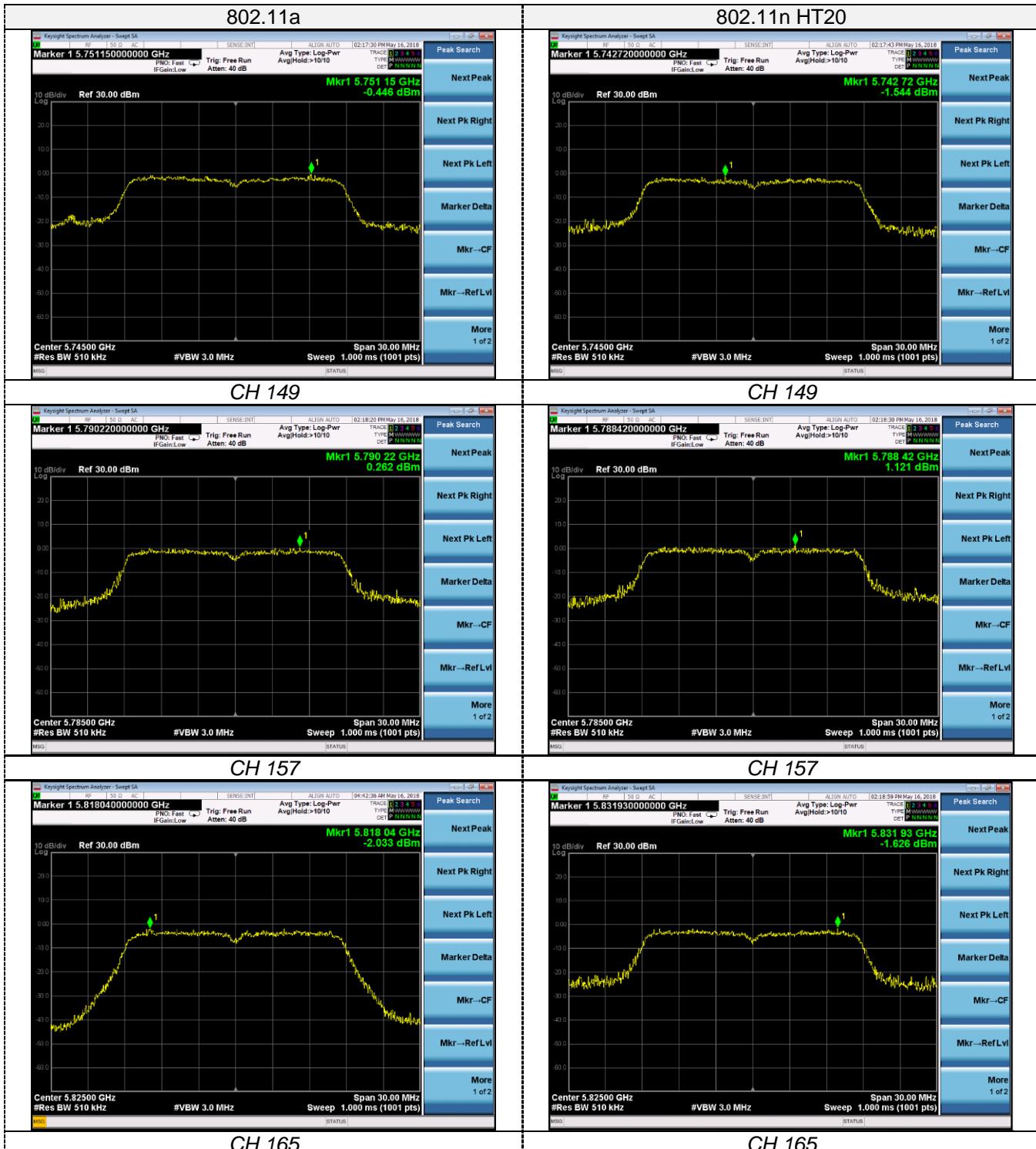
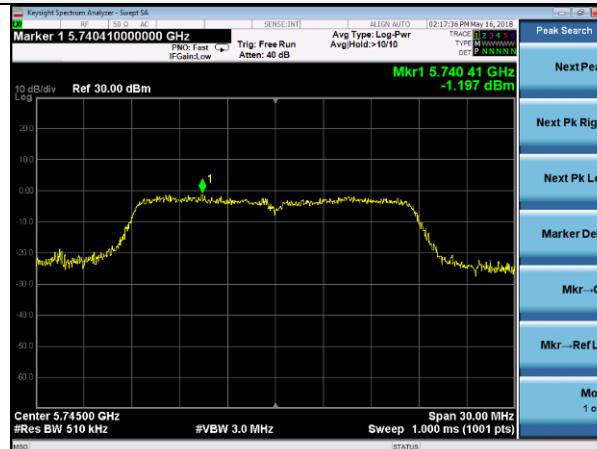


## 5.8G Antenna 1



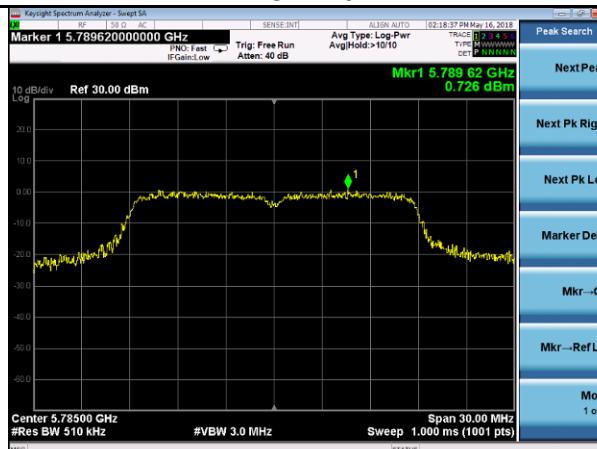
## 802.11ac VHT20



## 802.11n HT40



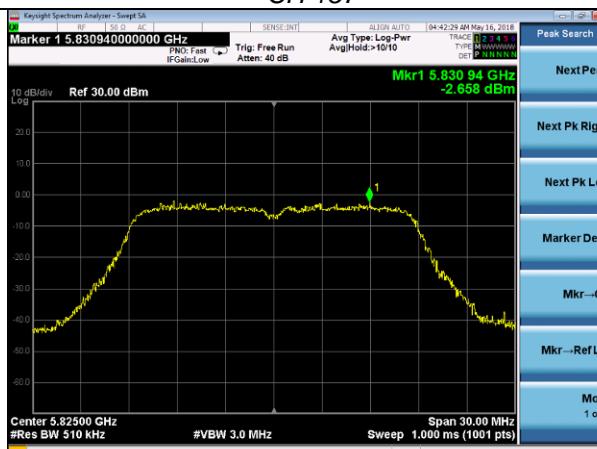
## CH 149



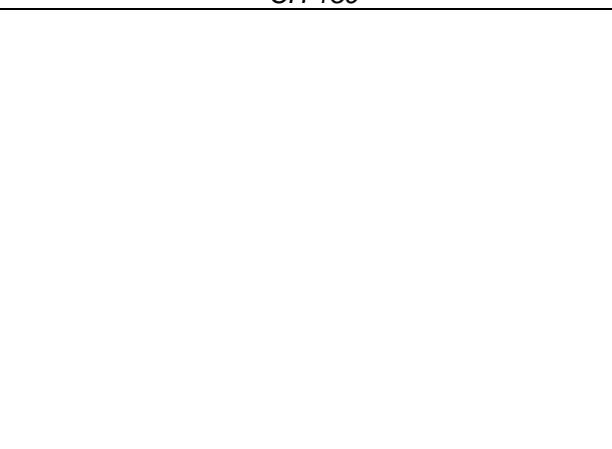
## CH 151



## CH 157



## CH 159

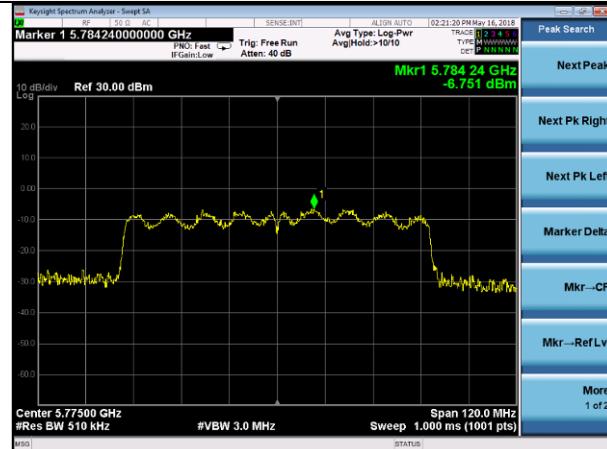


## CH 165

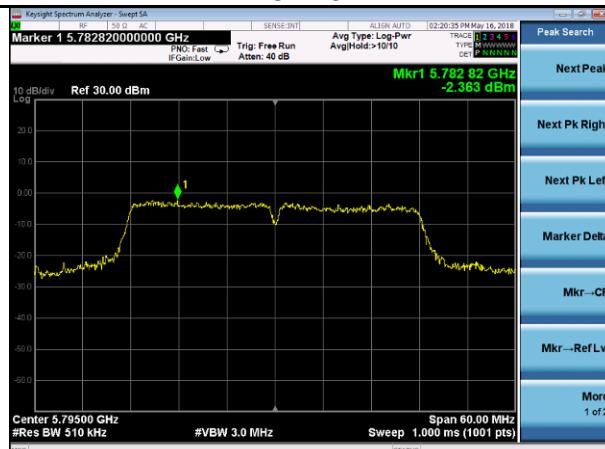
## 802.11ac VHT40



## 802.11ac VHT80



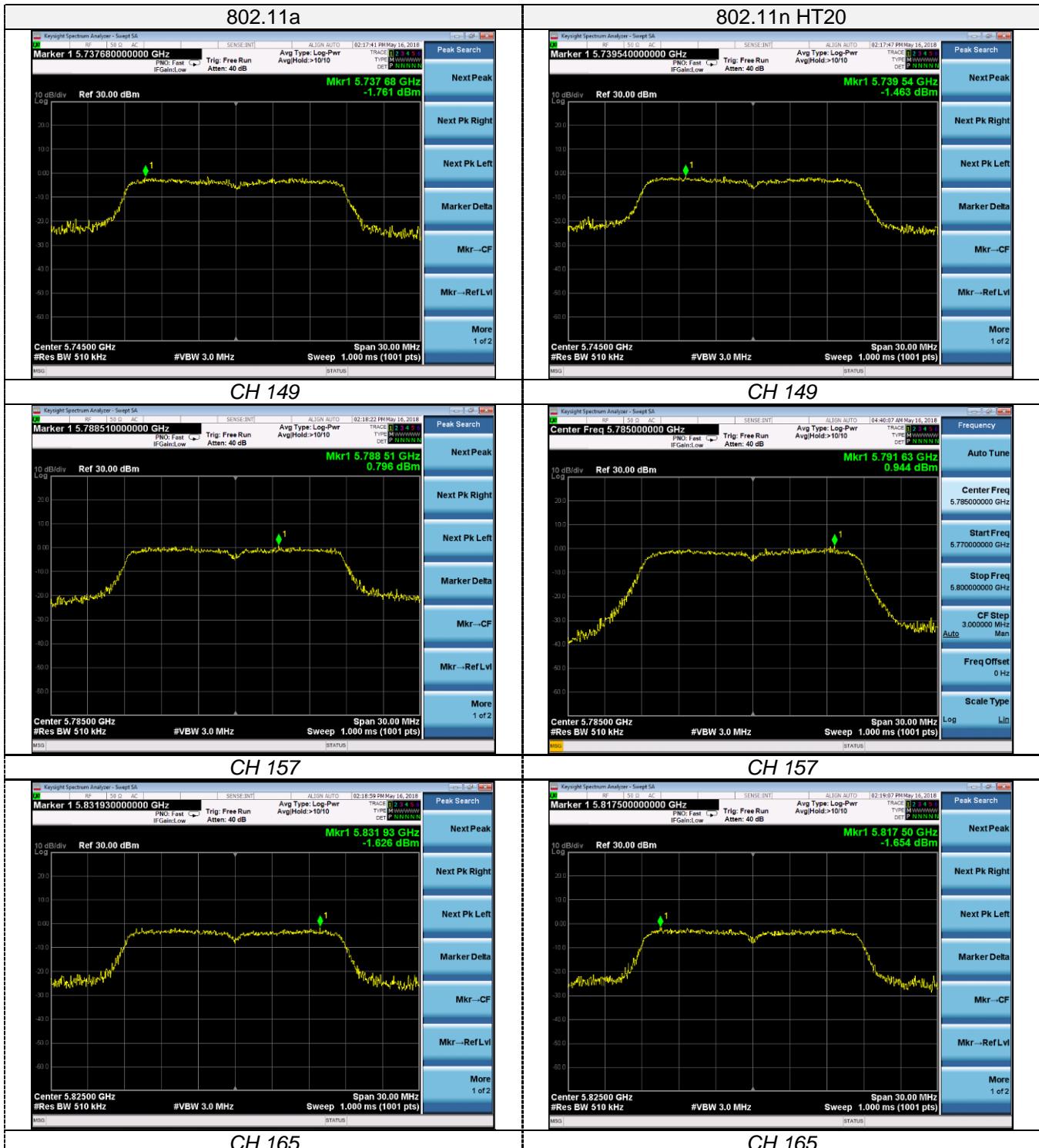
CH 151

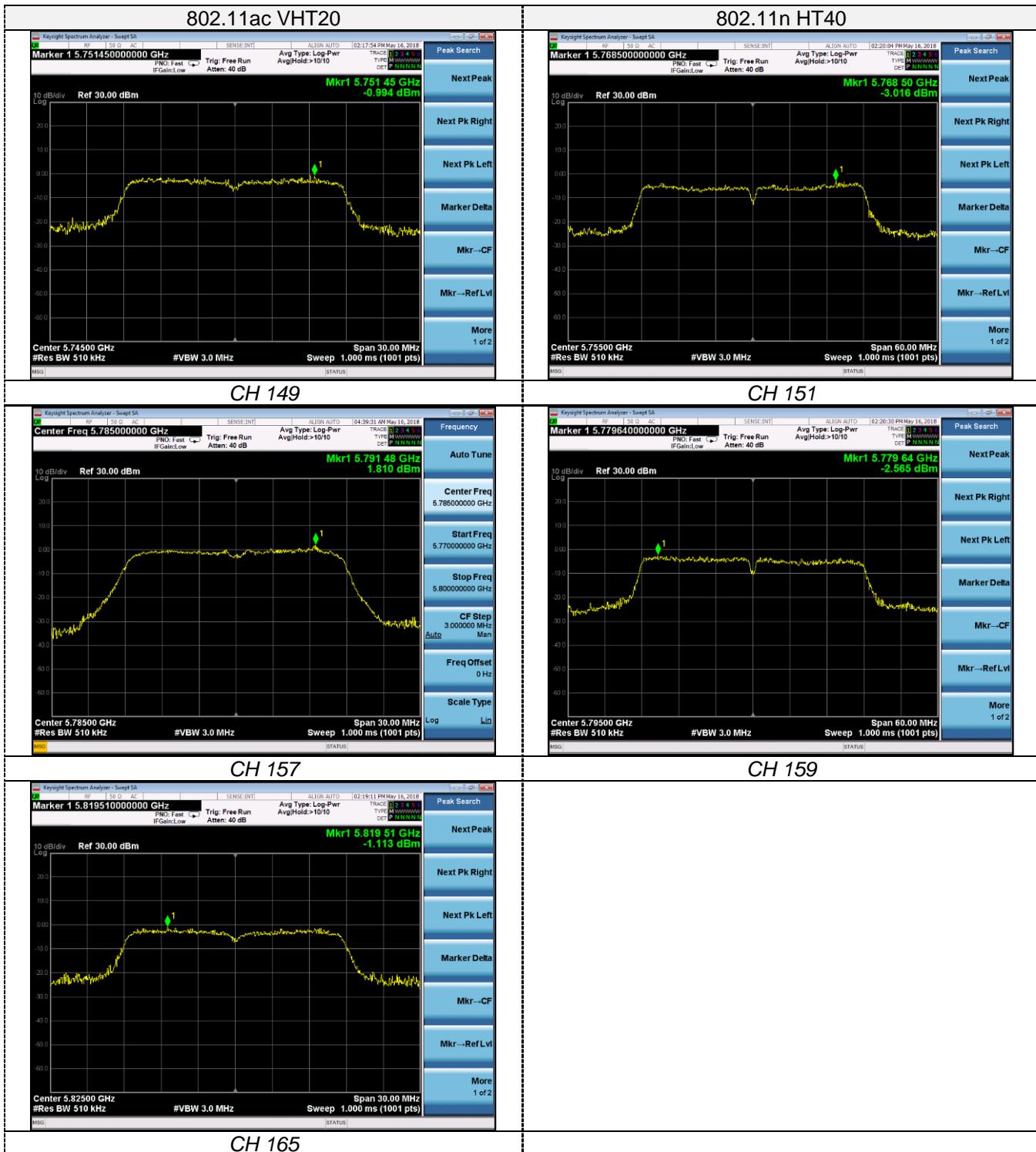


CH 155

CH 159

## 5.8G Antenna 2





## 802.11ac VHT40



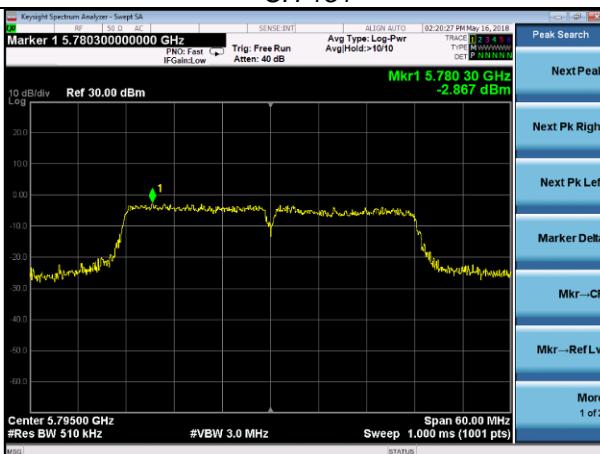
## 802.11ac VHT80



CH 151

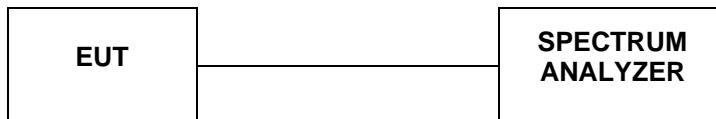
CH 155

CH 159



## 4.6. 6dB Bandwidth

### TEST CONFIGURATION



### TEST PROCEDURE

According to KDB789033 D02 General UNII Test Procedures New Rules v01 for one of the following procedures may be used for section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a. Set RBW = 100 kHz.
- b. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Sweep = auto couple.
- f. Allow the trace to stabilize
- g. 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.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

### LIMIT

For Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz

### TEST RESULTS

**Antenna 1**

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	149	16.71	≥500	Pass
	157	17.32		
	165	17.57		
802.11n HT20	149	16.92	≥500	Pass
	157	17.6		
	165	16.98		
802.11ac VHT20	149	16.92	≥500	Pass
	157	17.55		
	165	17.57		
802.11n HT 40	151	36.35	≥500	Pass
	159	35.47		
802.11ac VHT40	151	36.35	≥500	Pass
	159	35.82		
802.11ac VHT80	155	75.28	≥500	Pass

**Antenna 2**

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	149	16.92	≥500	Pass
	157	16.91		
	165	15.57		
802.11n HT20	149	16.92	≥500	Pass
	157	17.27		
	165	17.04		
802.11ac VHT20	149	16.92	≥500	Pass
	157	17.27		
	165	17.22		
802.11n HT 40	151	36.38	≥500	Pass
	159	35.75		
802.11ac VHT40	151	36.38	≥500	Pass
	159	35.47		
802.11ac VHT80	155	75.28	≥500	Pass

## Antenna 1

802.11a

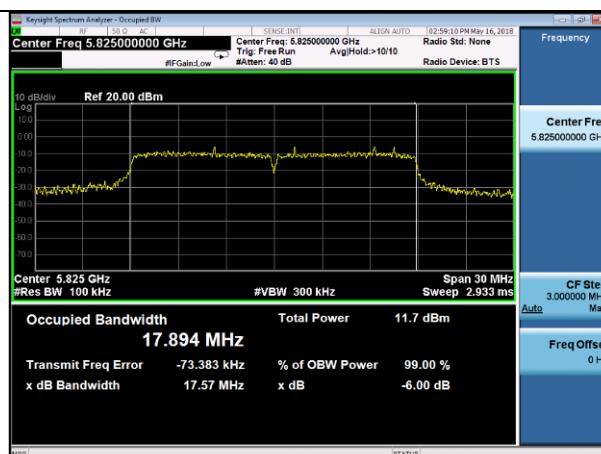
802.11n HT20



CH149



CH157

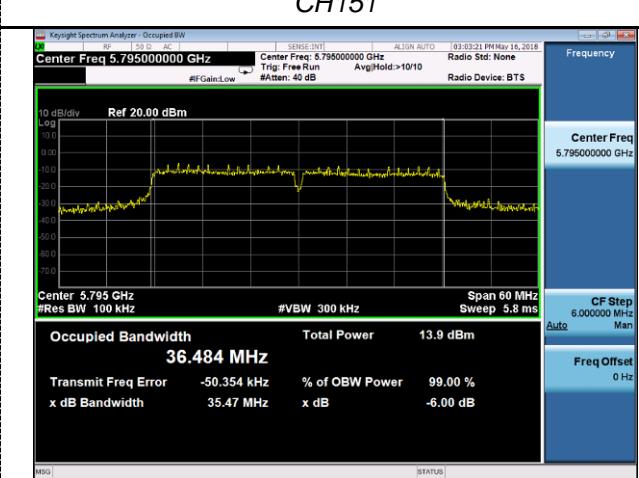
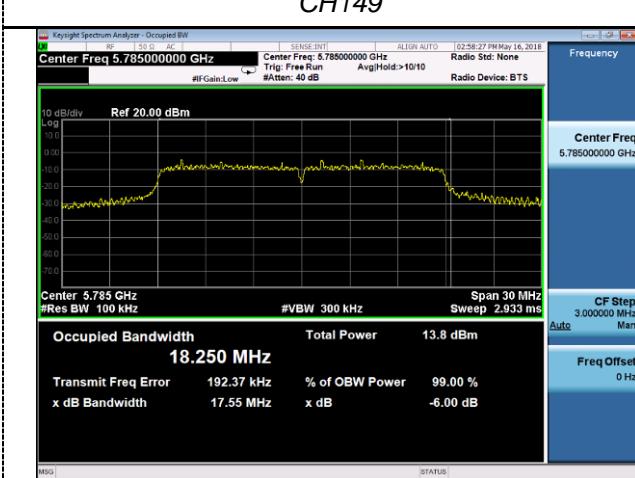
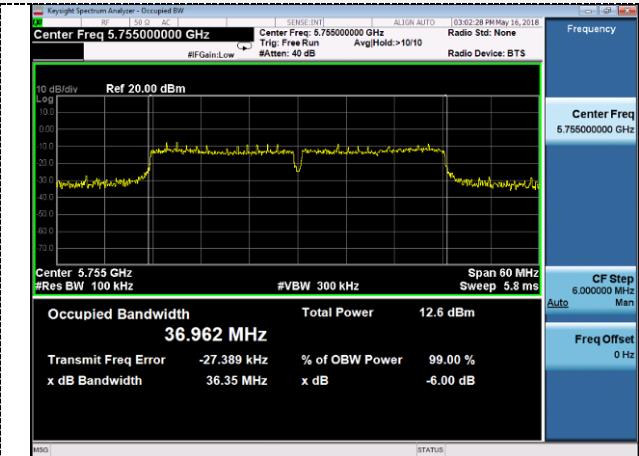
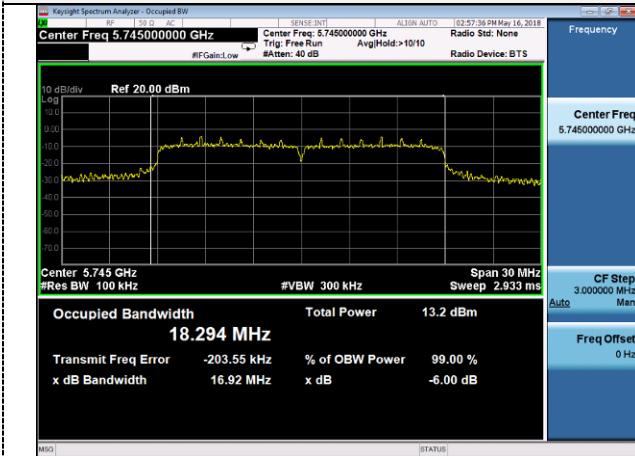


CH165

CH165

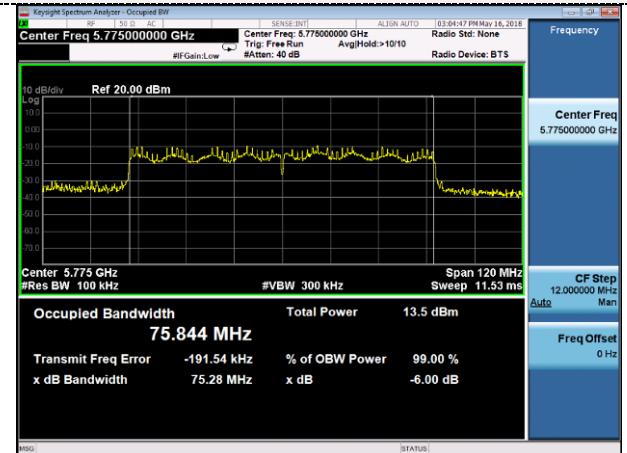
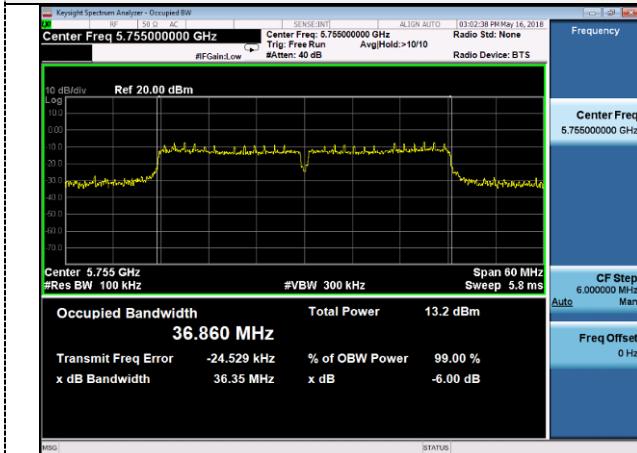
## 802.11ac VHT20

## 802.11n HT40



## 802.11ac VHT40

## 802.11ac VHT80



CH151

CH155



CH159