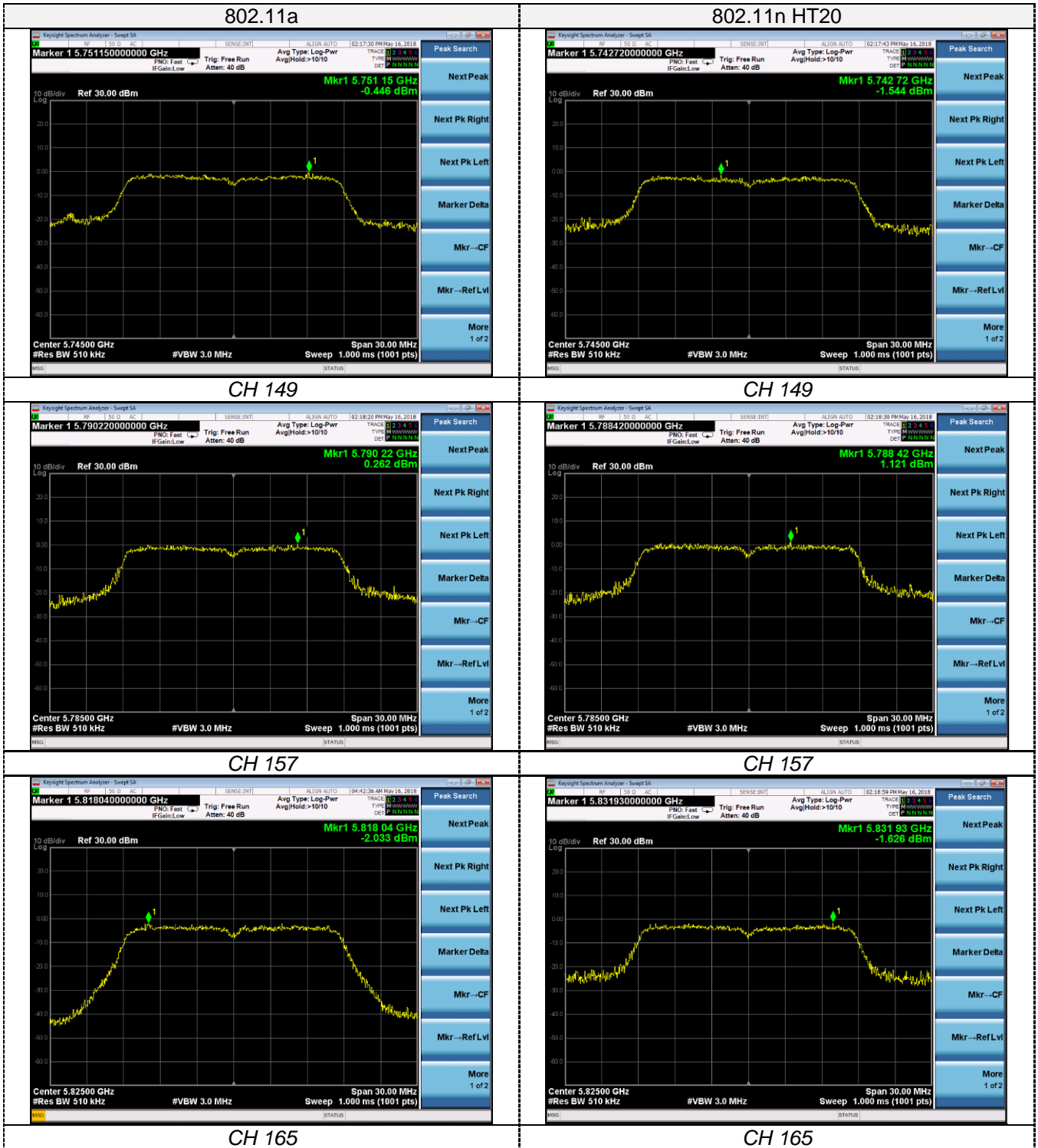
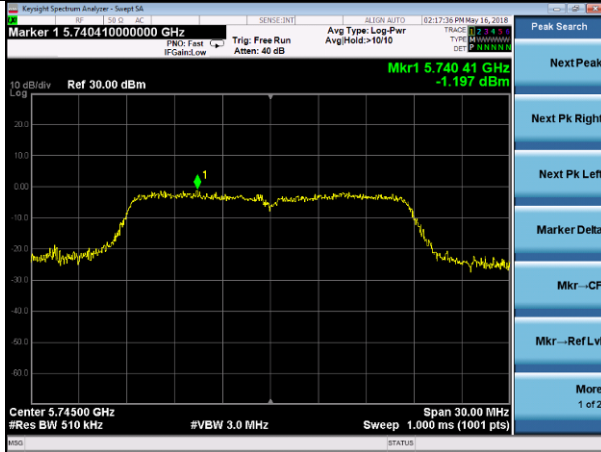


5.8G Antenna 1

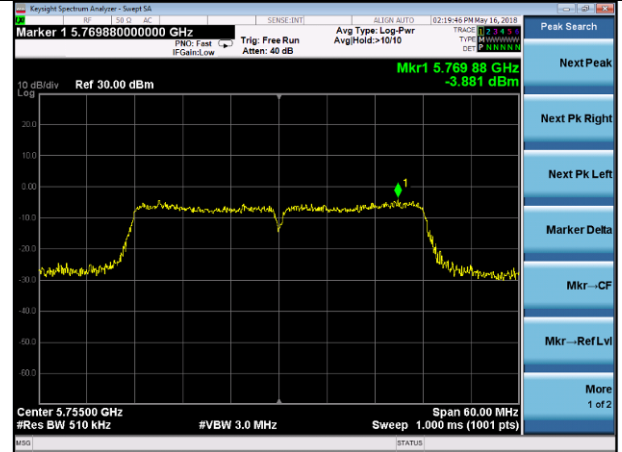


802.11ac VHT20

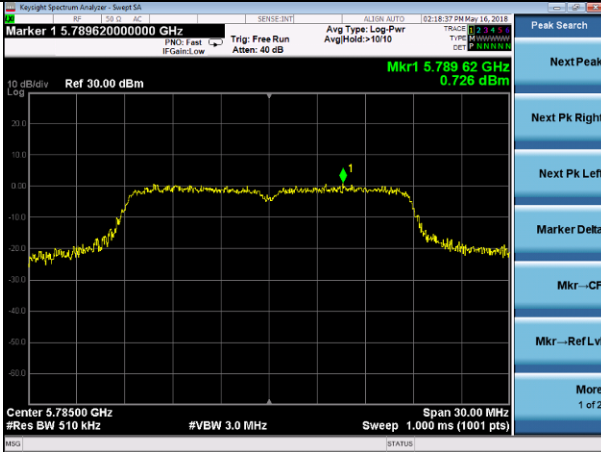


CH 149

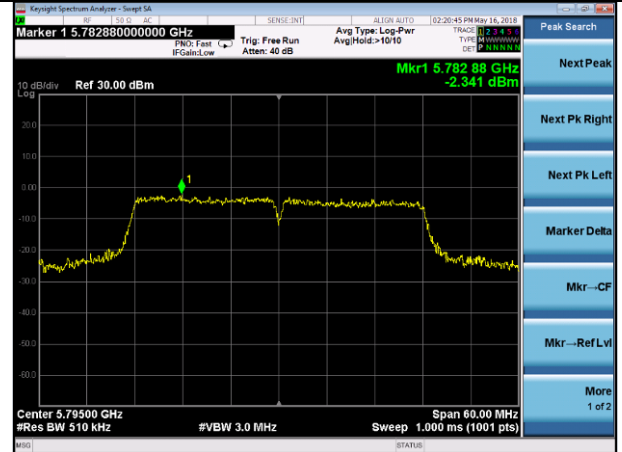
802.11n HT40



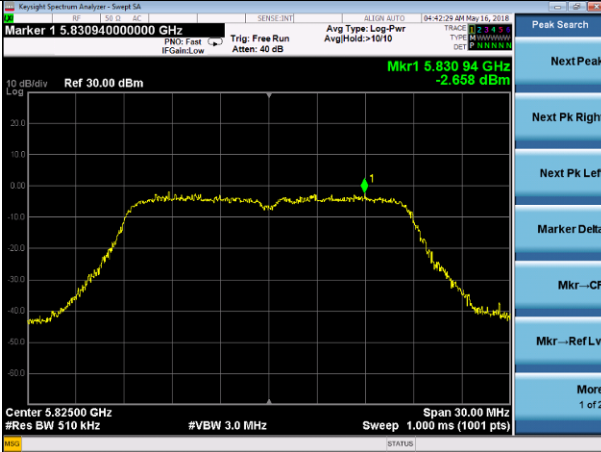
CH 151



CH 157



CH 159



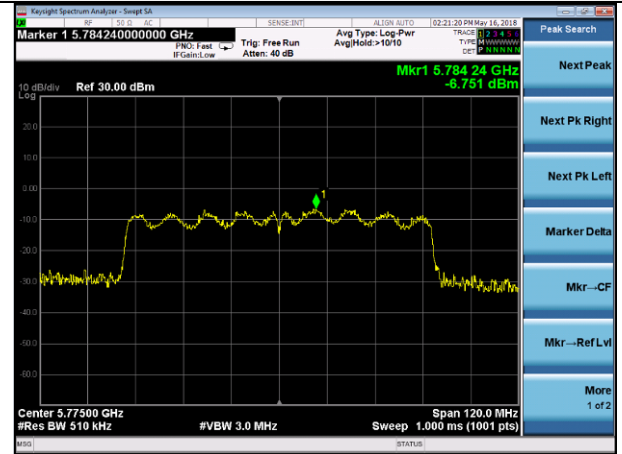
CH 165

802.11ac VHT40

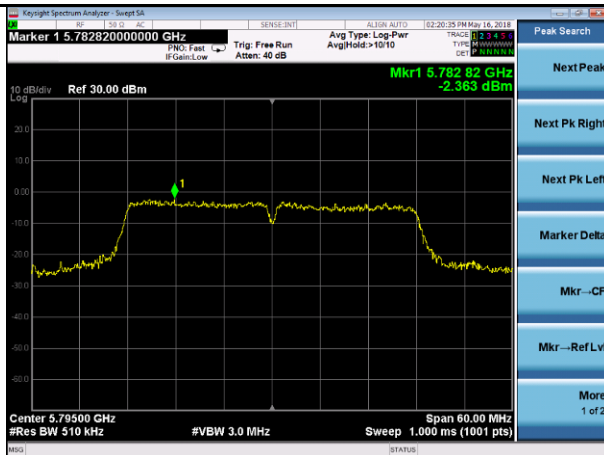


CH 151

802.11ac VHT80

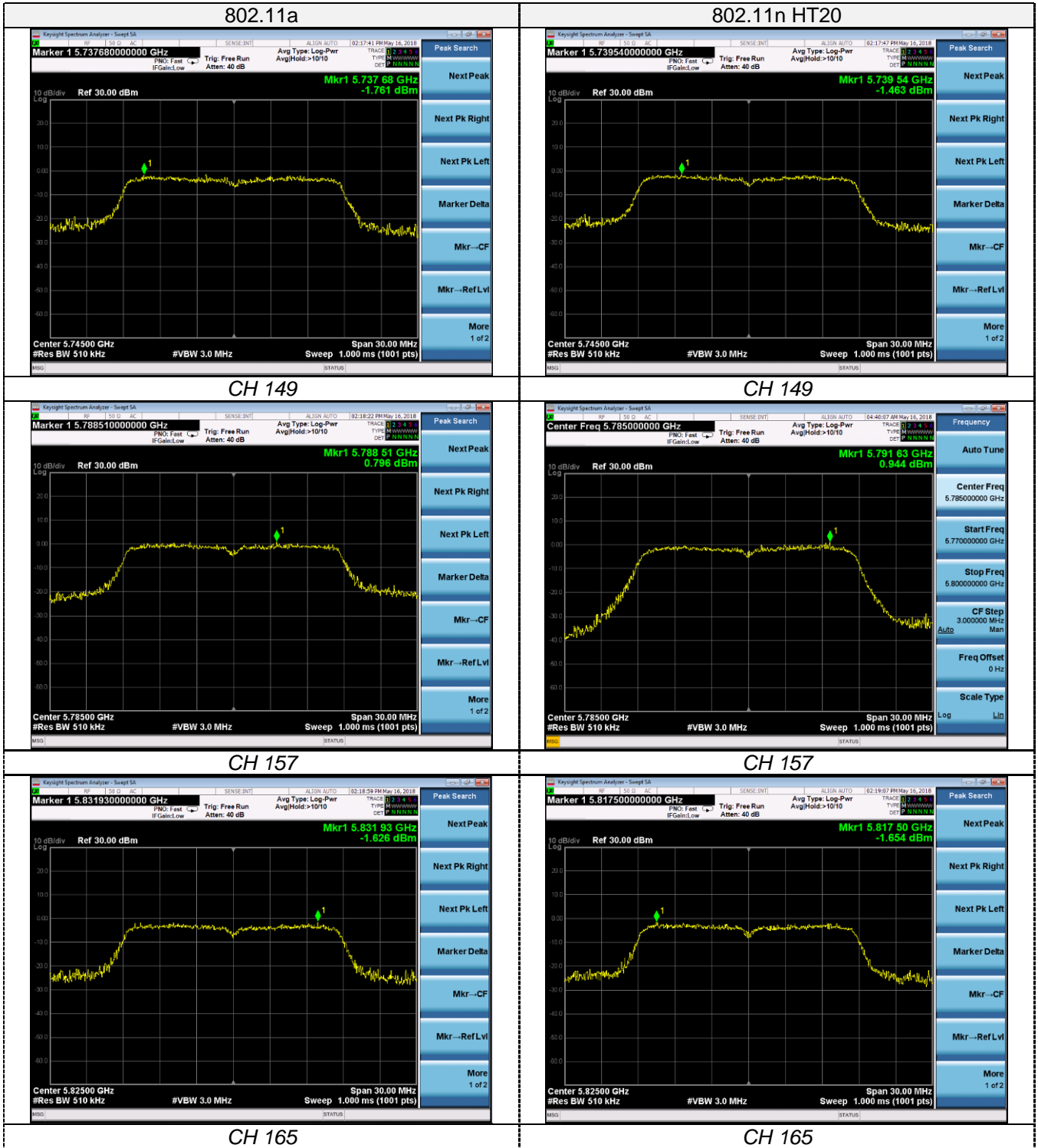


CH 155

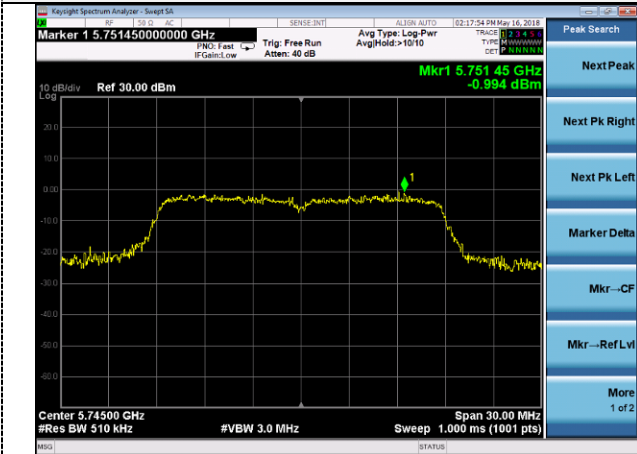


CH 159

5.8G Antenna 2

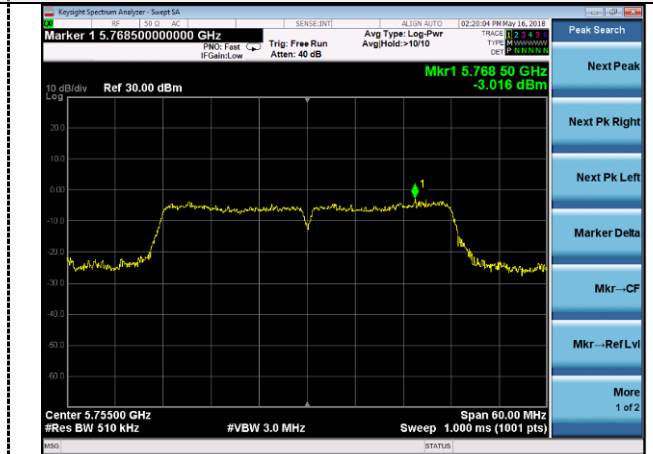


802.11ac VHT20

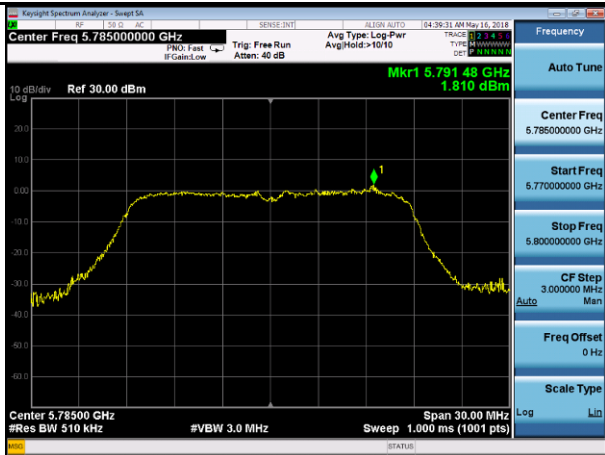


CH 149

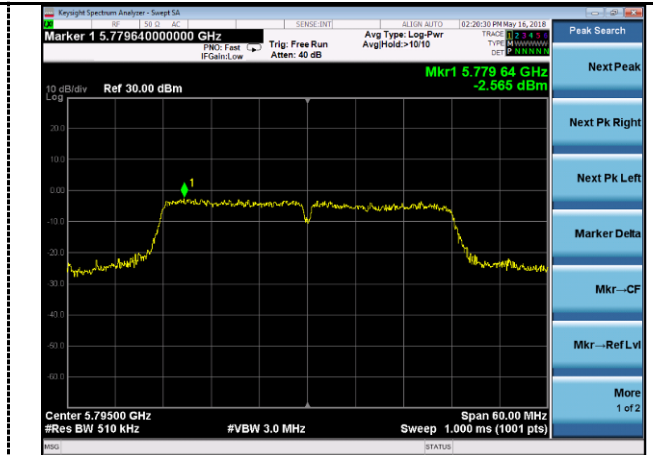
802.11n HT40



CH 151



CH 157

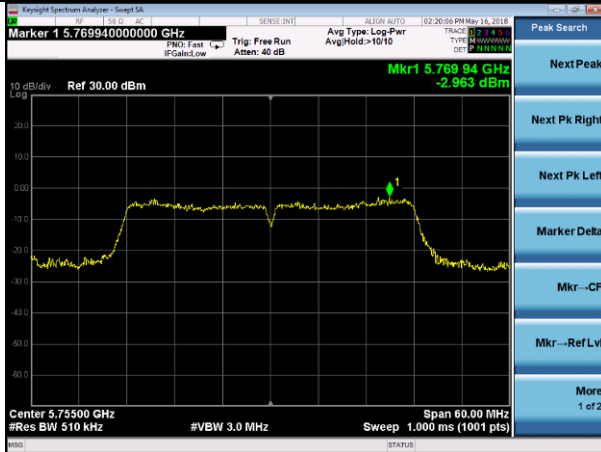


CH 159



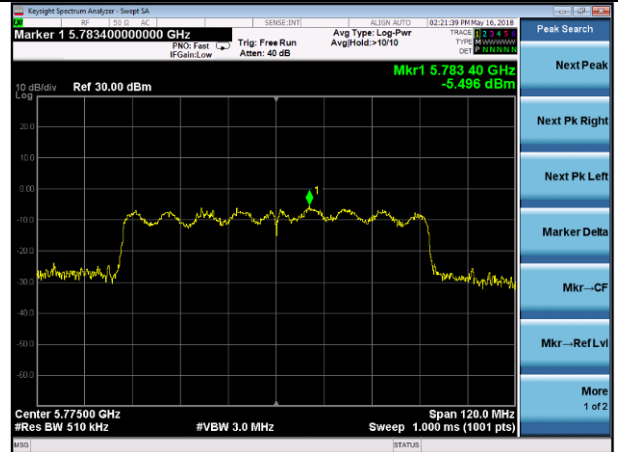
CH 165

802.11ac VHT40

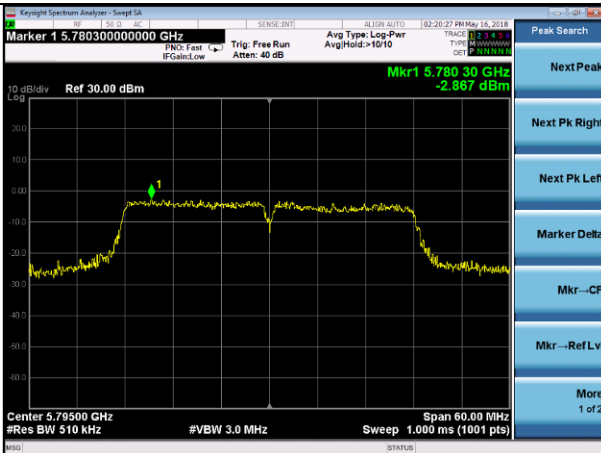


CH 151

802.11ac VHT80



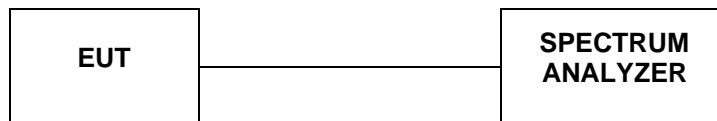
CH 155



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

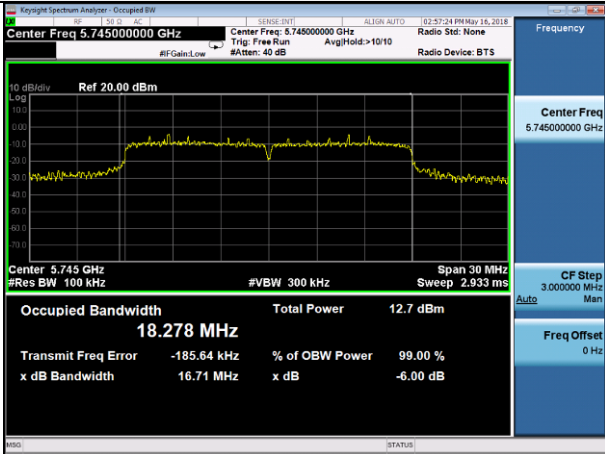
Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	149	16.71	≥500	Pass
	157	17.32		
	165	17.57		
802.11n HT20	149	16.92	≥500	Pass
	157	17.6		
	165	16.98		
802.11ac VHT20	149	16.92	≥500	Pass
	157	17.55		
	165	17.57		
802.11n HT 40	151	36.35	≥500	Pass
	159	35.47		
802.11ac VHT40	151	36.35	≥500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

Antenna 2

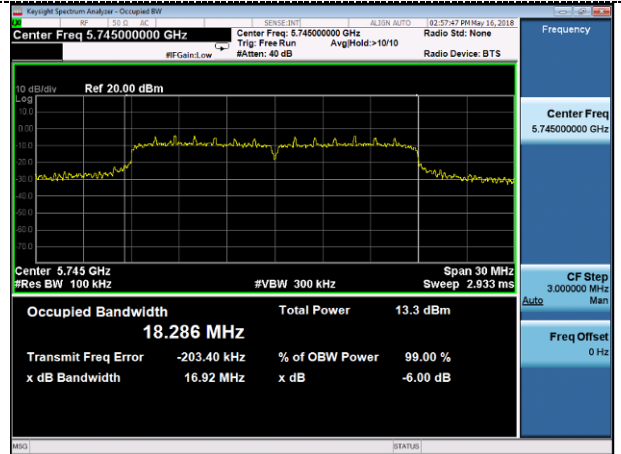
Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11ac	149	16.92	≥500	Pass
	157	16.91		
	165	15.57		
802.11n HT20	149	16.92	≥500	Pass
	157	17.27		
	165	17.04		
802.11ac VHT20	149	16.92	≥500	Pass
	157	17.27		
	165	17.22		
802.11n HT 40	151	36.38	≥500	Pass
	159	35.75		
802.11ac VHT40	151	36.38	≥500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

Antenna 1

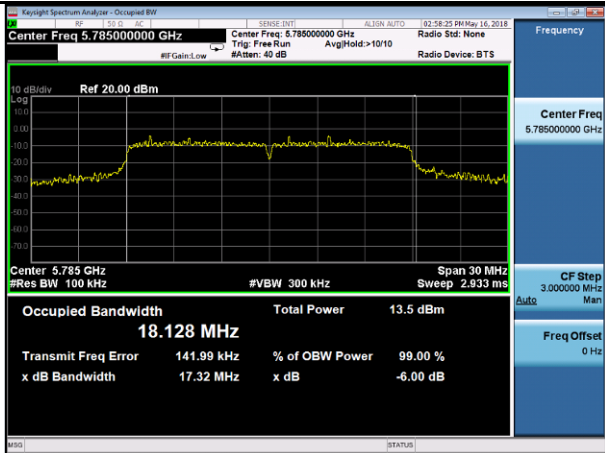
802.11a



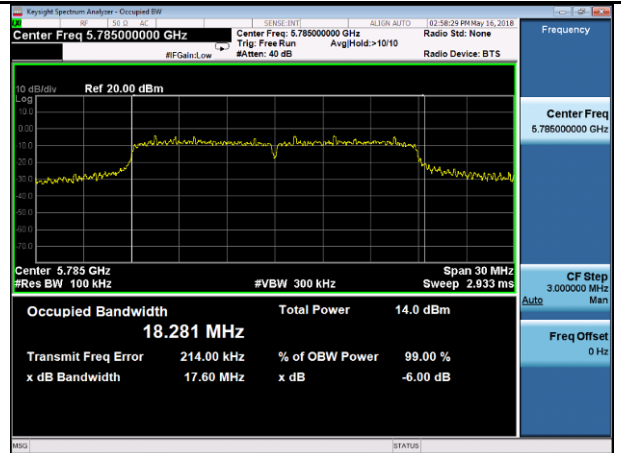
802.11n HT20



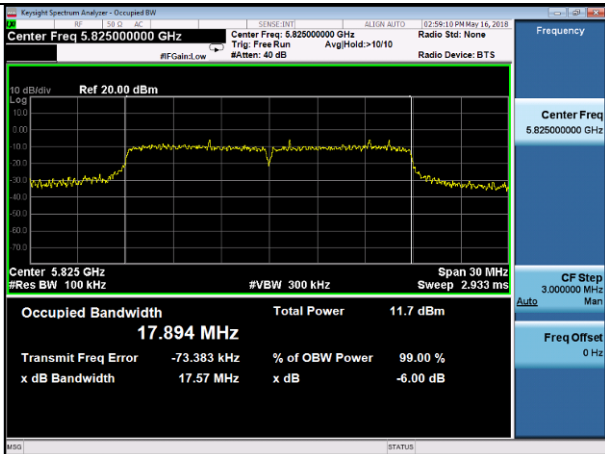
CH149



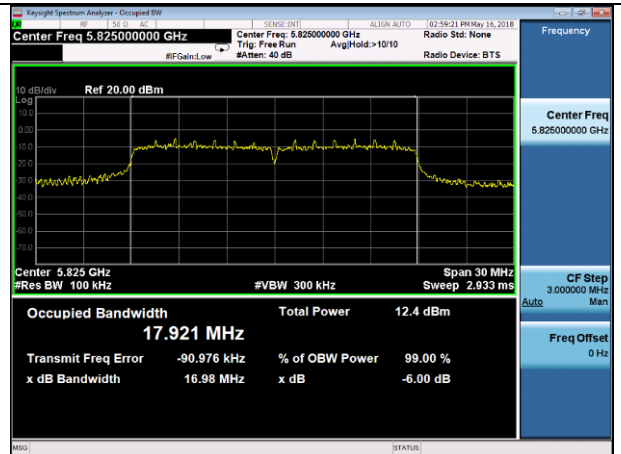
CH149



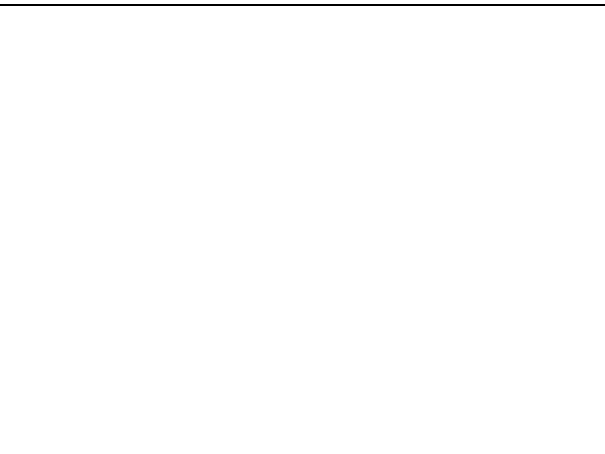
CH157



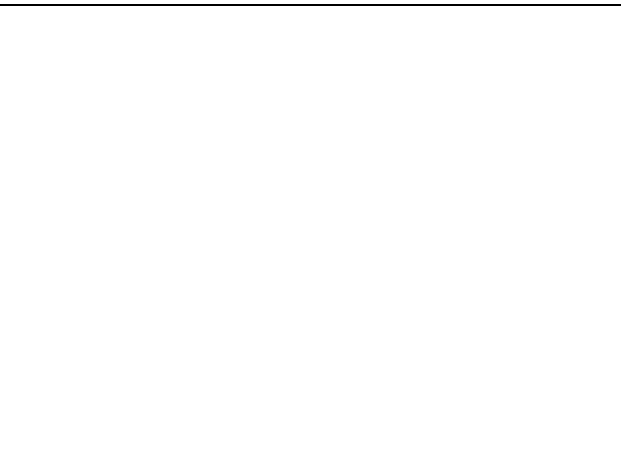
CH157



CH165

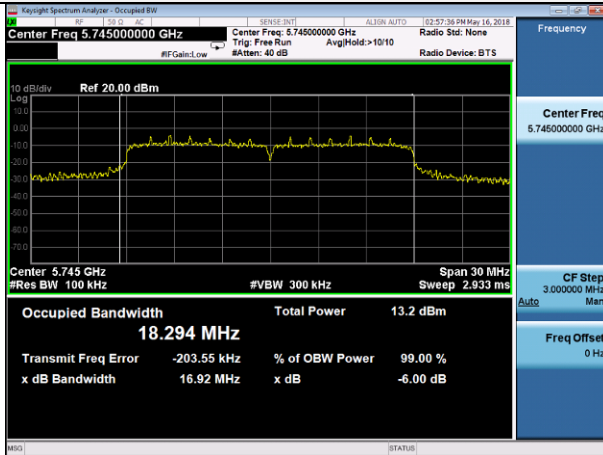


CH165

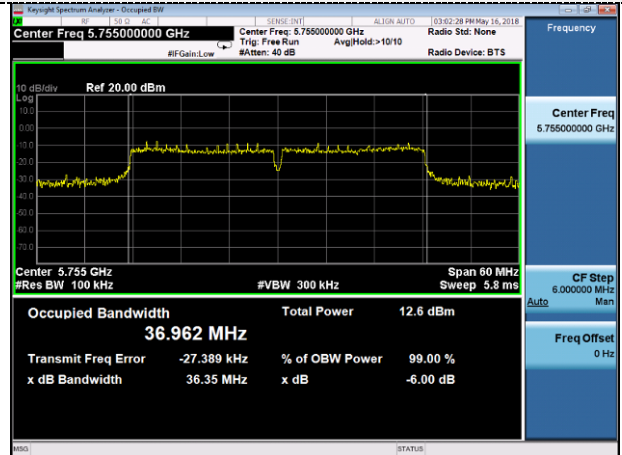


802.11ac VHT20

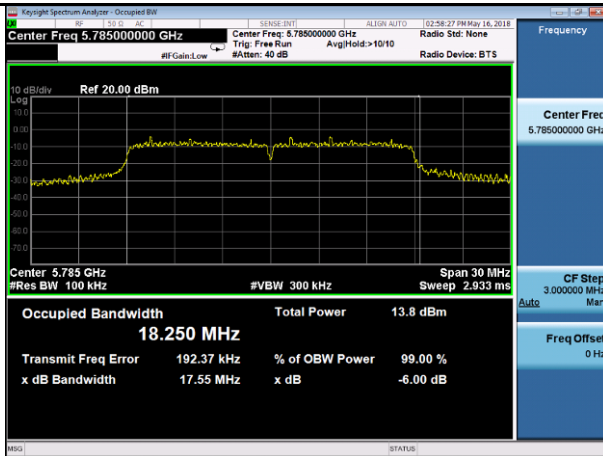
802.11n HT40



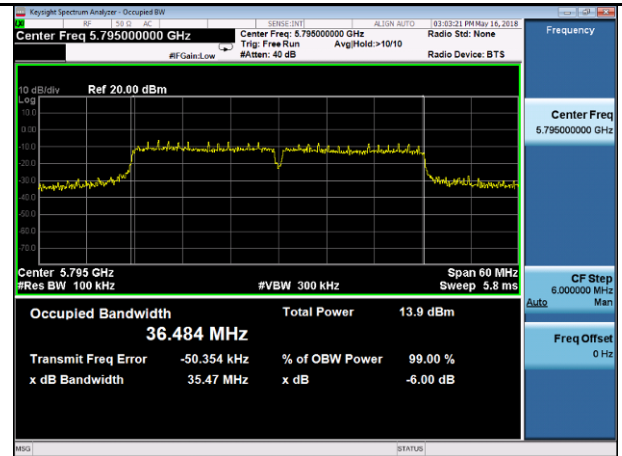
CH149



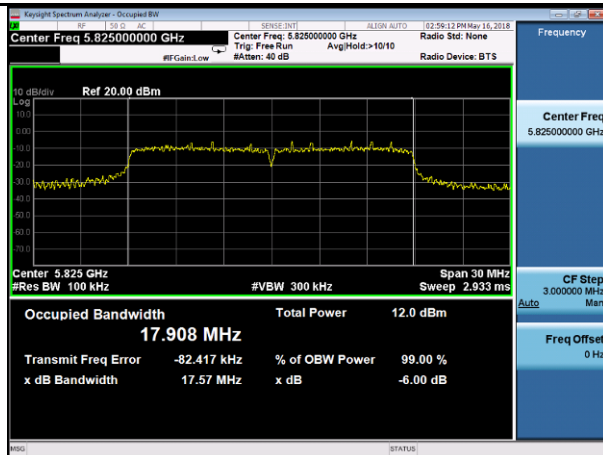
CH151



CH157

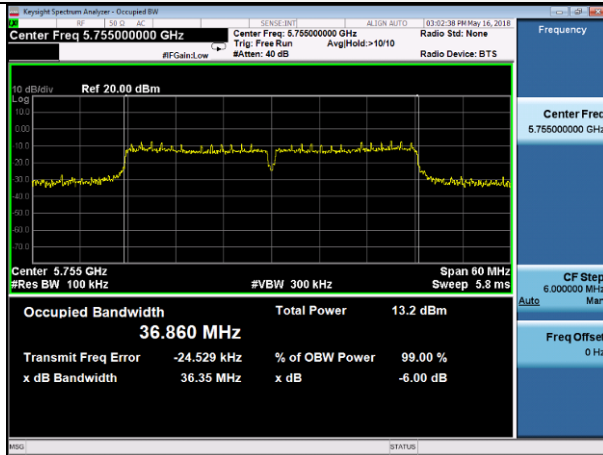


CH159

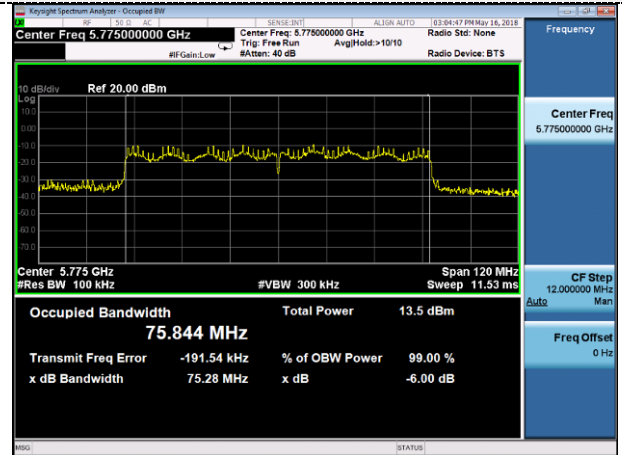


CH165

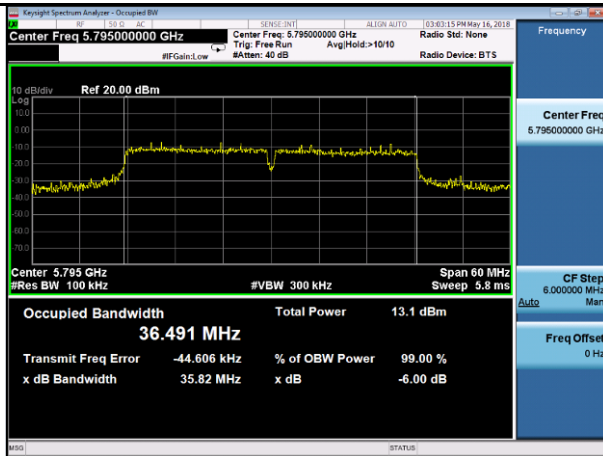
802.11ac VHT40



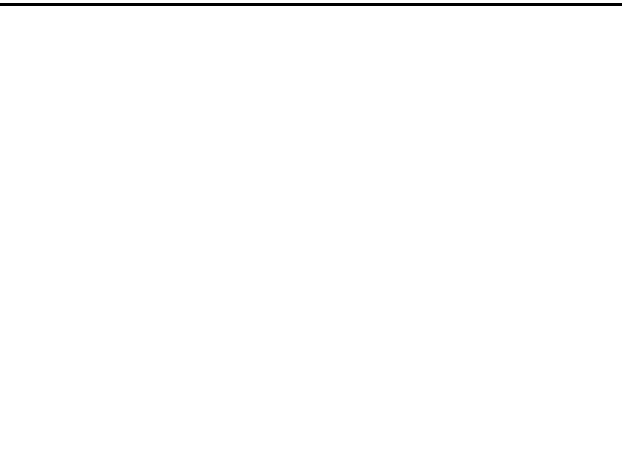
802.11ac VHT80



CH151



CH155



CH159

