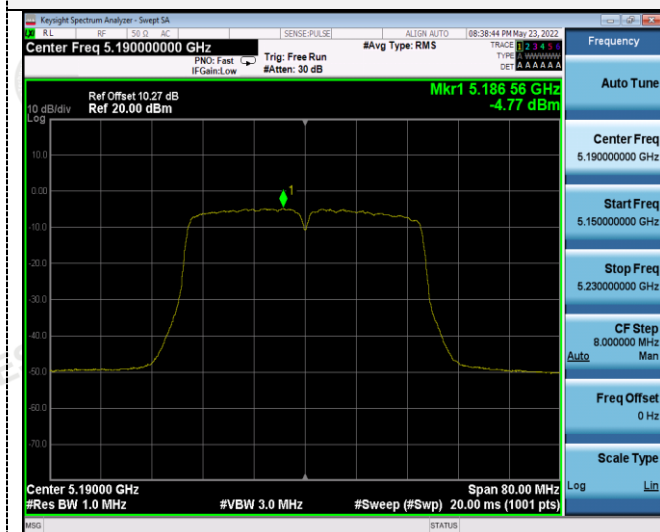


802.11ac(HT40)

U-NII 1



U-NII 3



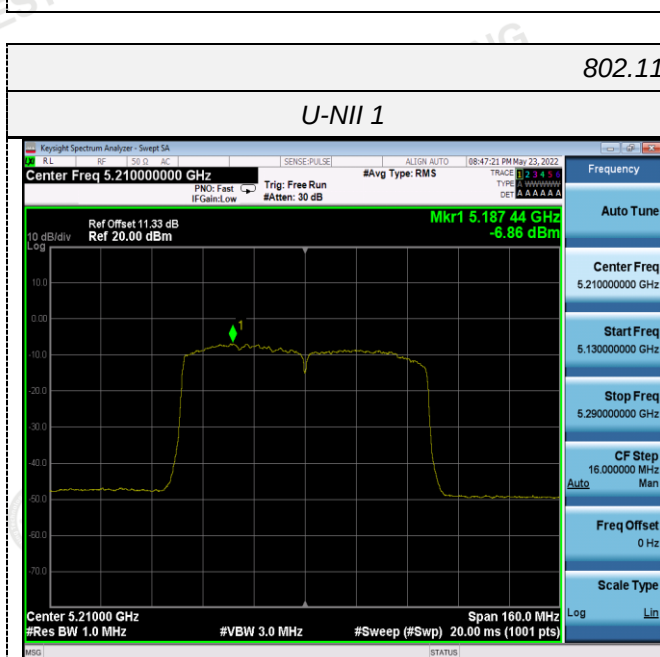
CH38



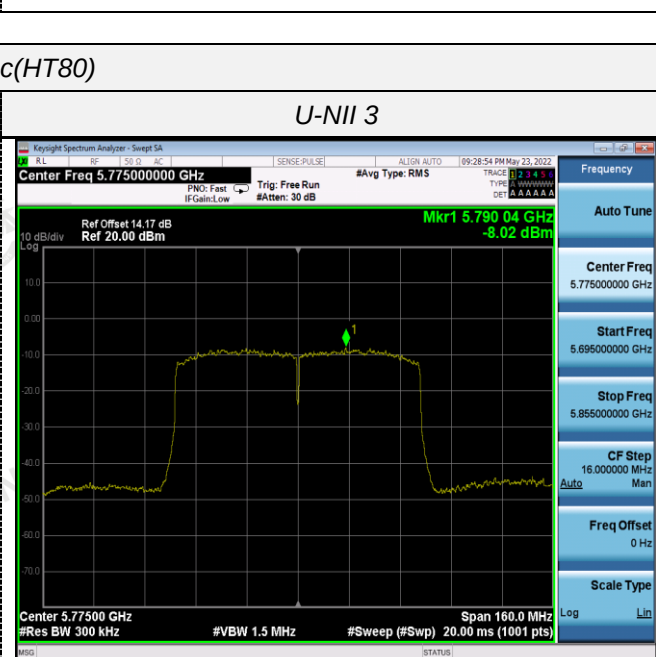
CH151



CH46

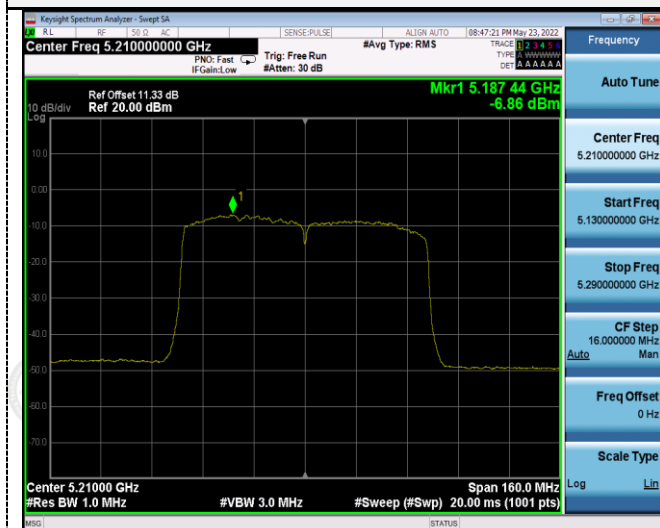


CH159



802.11ac(HT80)

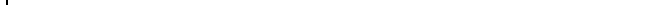
U-NII 1



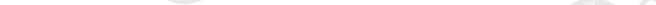
U-NII 3



CH42



CH155



4.5 Emission Bandwidth (26dB Bandwidth)

Limit

N/A

Test Procedure

1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
2. Set the video bandwidth (VBW) > RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak 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 %.

Test Configuration

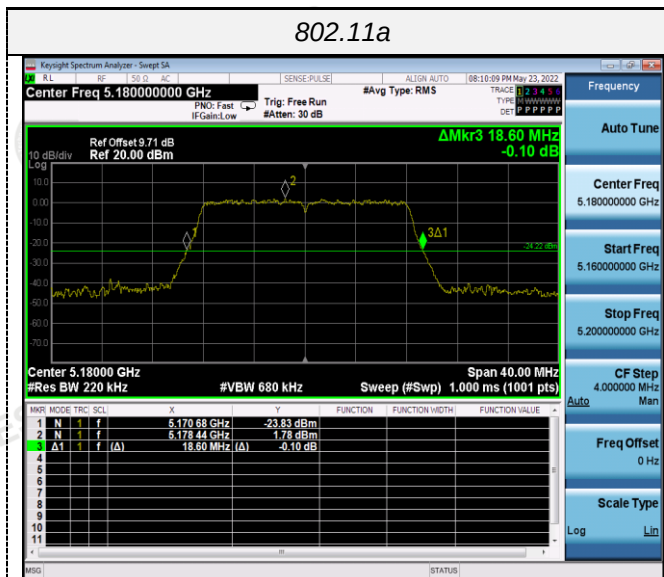


Test Results

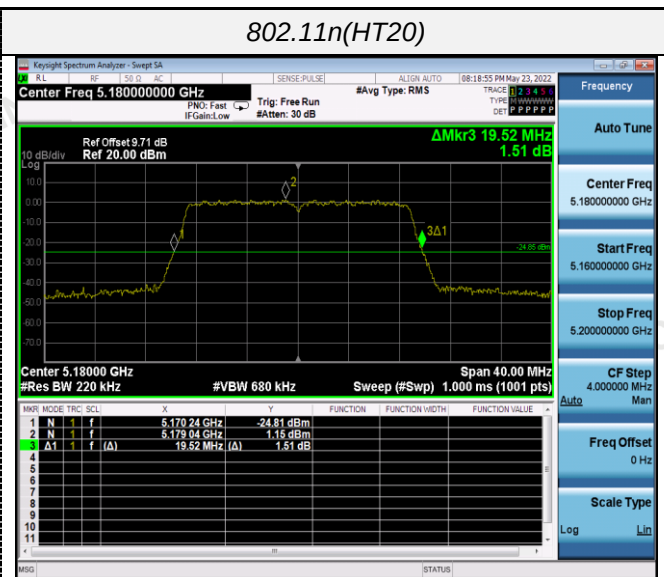
C	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.600	N/A	Pass
		40	18.600		
		48	18.560		
802.11n(HT20)	U-NII 1	36	19.520		
		40	19.560		
		48	19.440		
802.11n(HT40)	U-NII 1	38	41.360		
		46	41.280		
802.11ac(HT20)	U-NII 1	36	19.560		
		40	19.520		
		48	19.560		
802.11ac(HT40)	U-NII 1	38	41.520		
		46	41.520		
802.11ac(HT80)	U-NII 1	42	81.440		

Test plot as follows:

802.11a



802.11n(HT20)



CH36



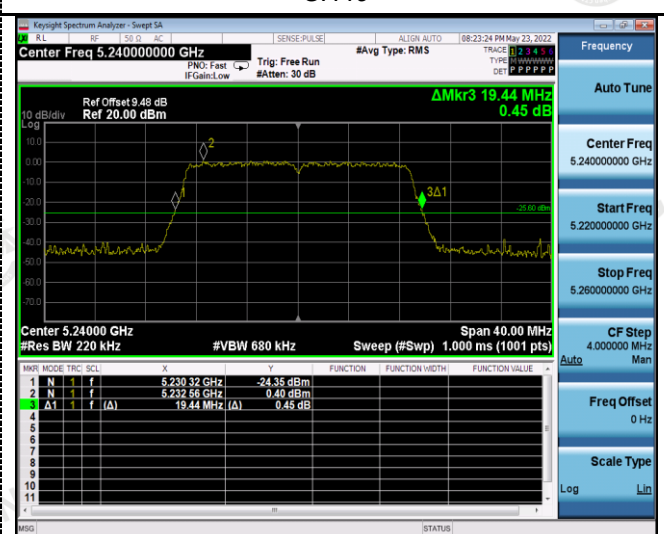
CH36



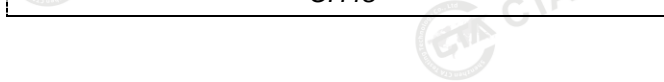
CH40



CH40



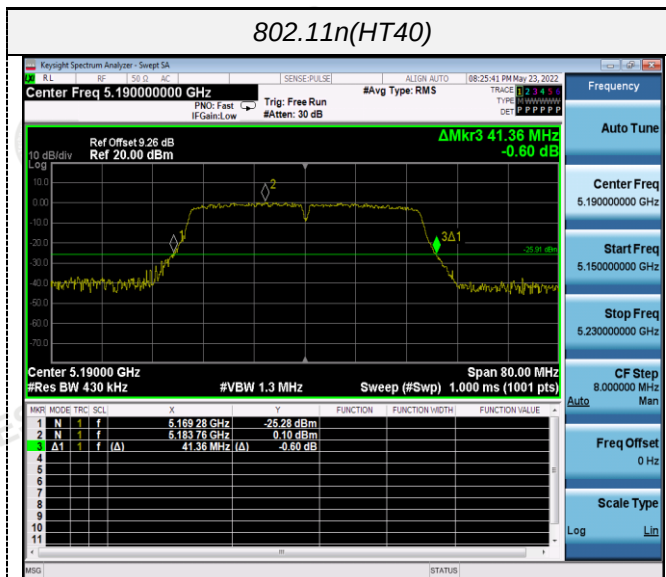
CH48



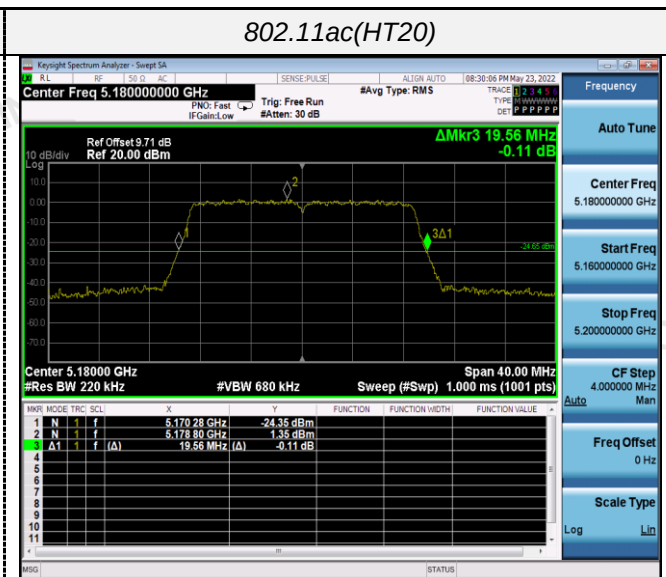
CH48



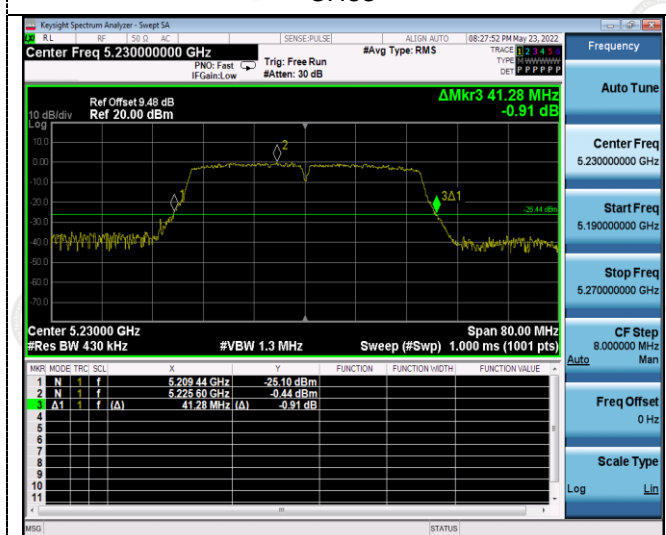
802.11n(HT40)



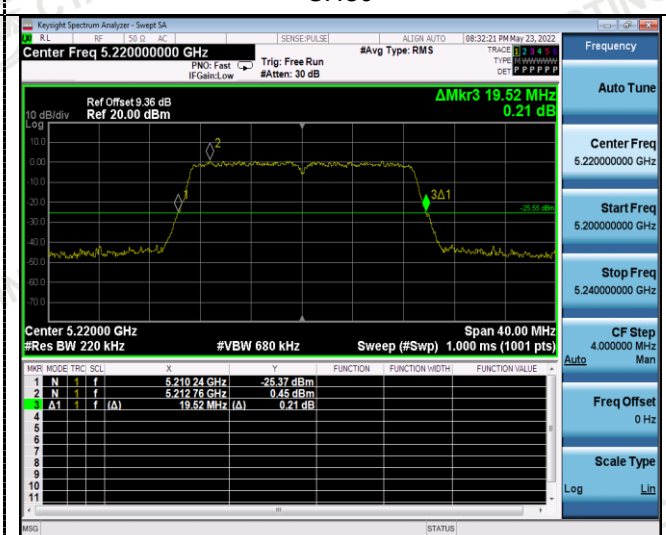
802.11ac(HT20)



CH38



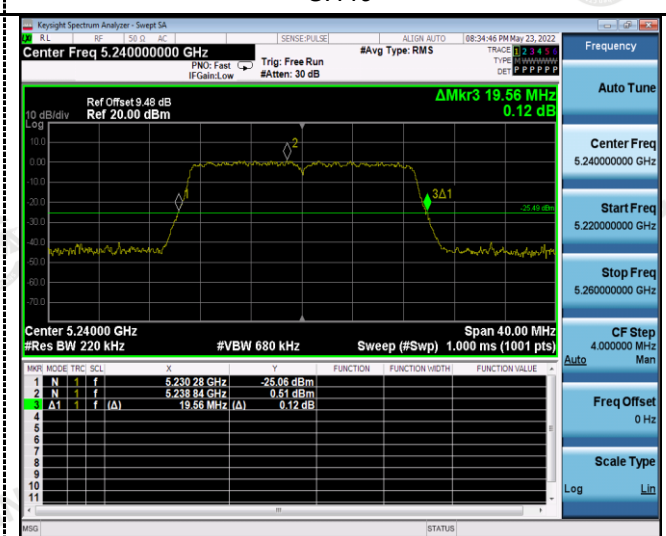
CH36



CH46



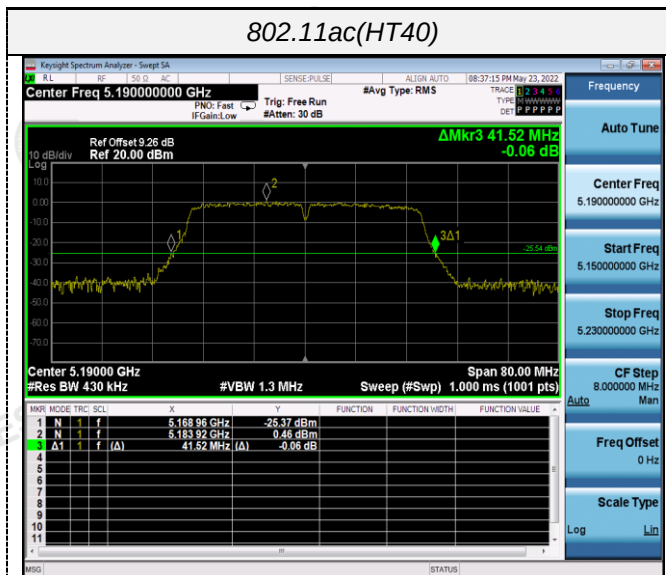
CH40



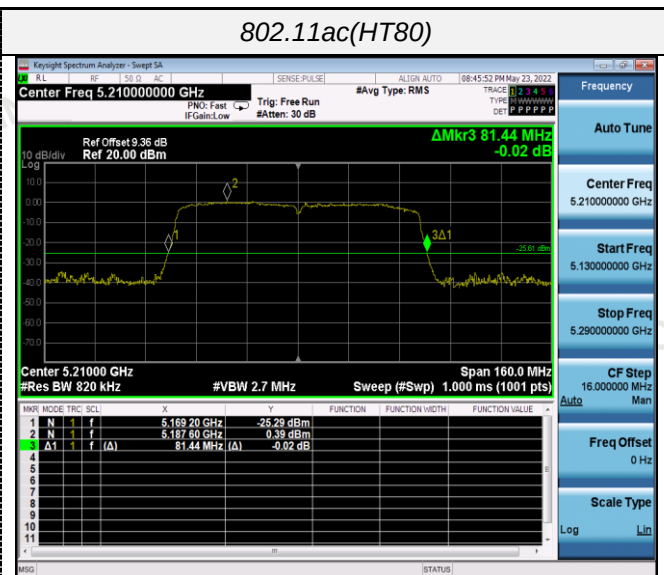
CH48



802.11ac(HT40)



802.11ac(HT80)



CH38



CH46

CH42

4.6 Minimum Emission Bandwidth (6dB Bandwidth)

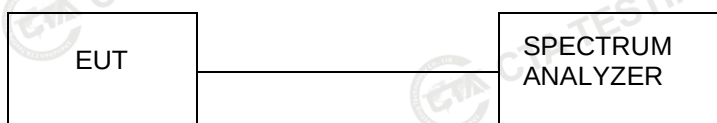
Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth 3 x RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. 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.

Test Configuration

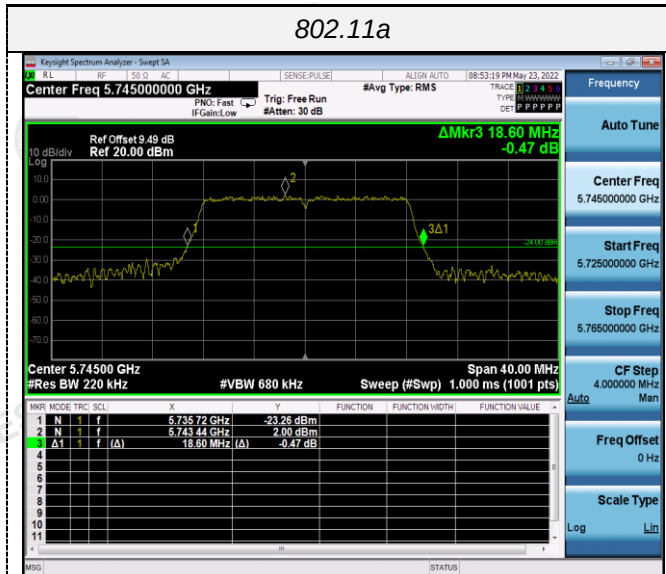


Test Results

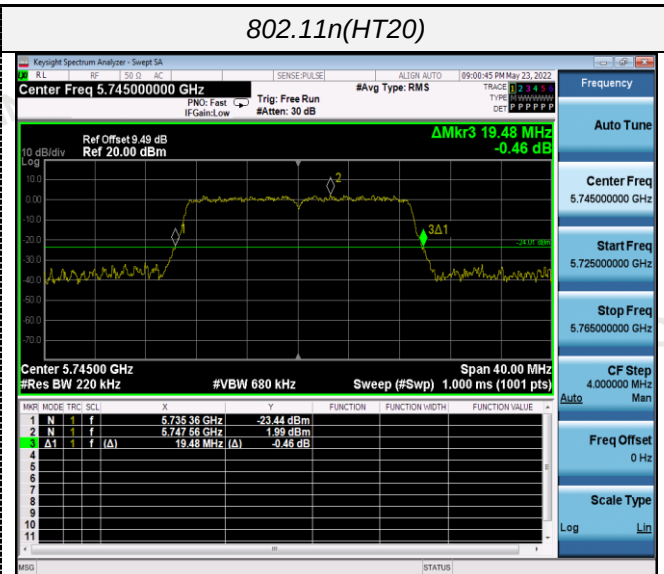
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	18.600	≥500KHz	Pass
		157	18.600		
		165	18.680		
802.11n(HT20)	U-NII 3	149	19.480		
		157	19.560		
		165	19.520		
802.11n(HT40)	U-NII 3	151	41.520		
		159	41.840		
802.11ac(HT20)	U-NII 3	149	19.520		
		157	19.440		
		165	19.480		
802.11ac(HT40)	U-NII 3	151	42.080		
		159	41.520		
802.11ac(HT80)	U-NII 3	155	80.960		

Test plot as follows:

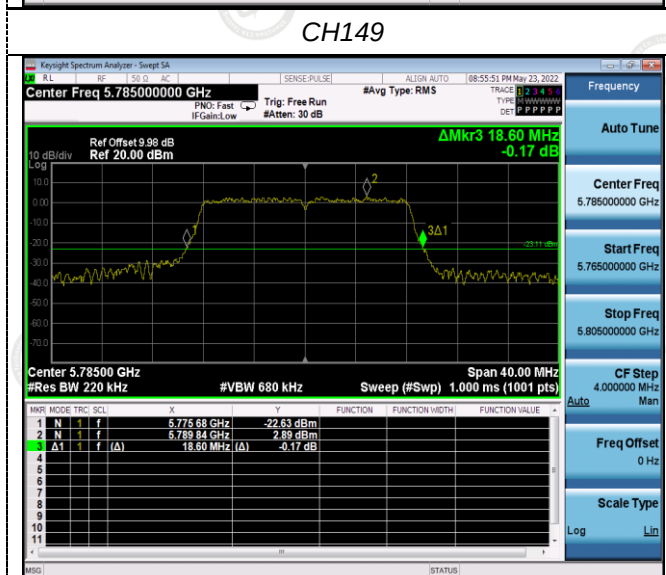
802.11a



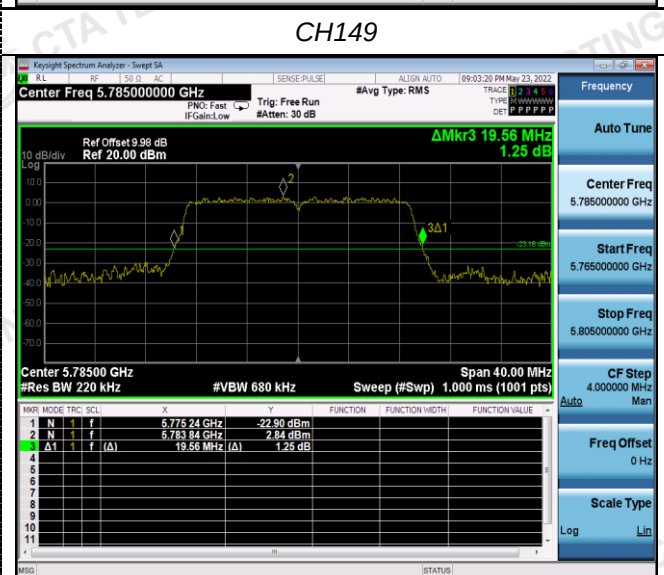
802.11n(HT20)



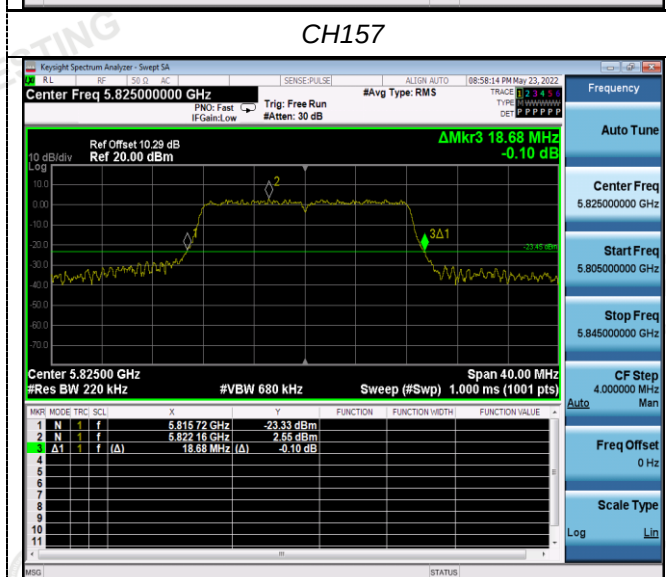
CH149



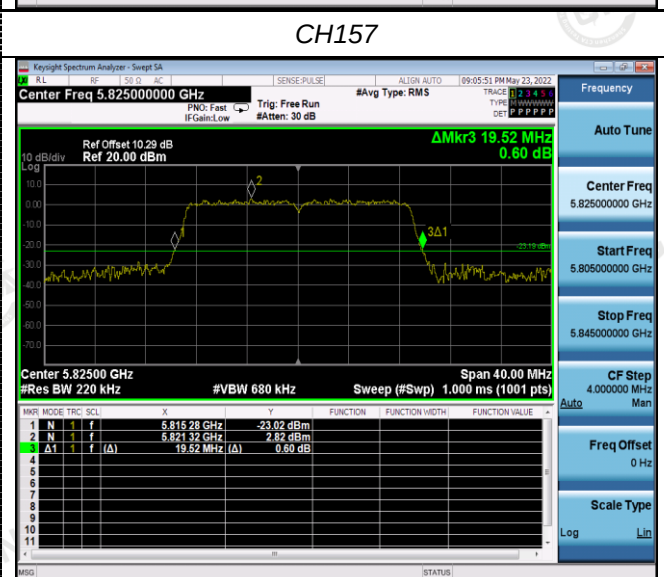
CH149



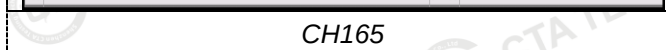
CH157



CH157



CH165



CH165

