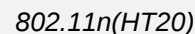


802.11a



802.11n(HT40)



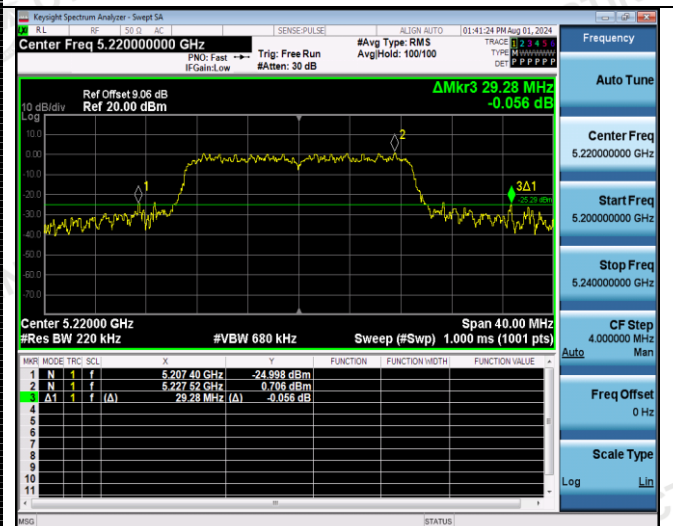
802.11ac(HT20)



CH38



CH36



CH46



CH40



CH48

802.11ac(HT40)



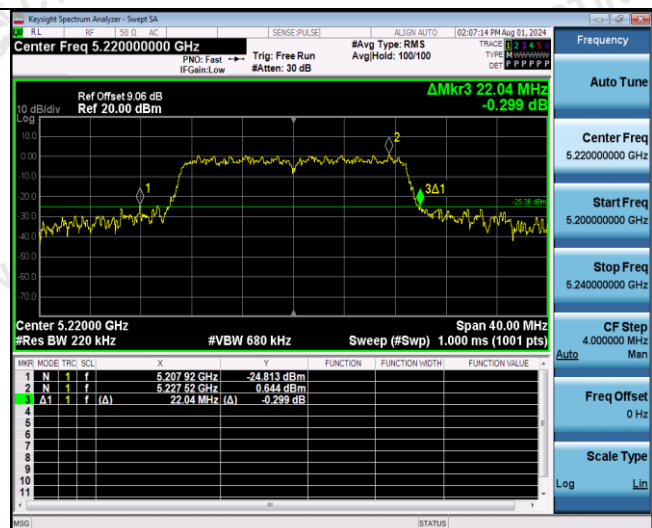
802.11ax(HT20)



CH38



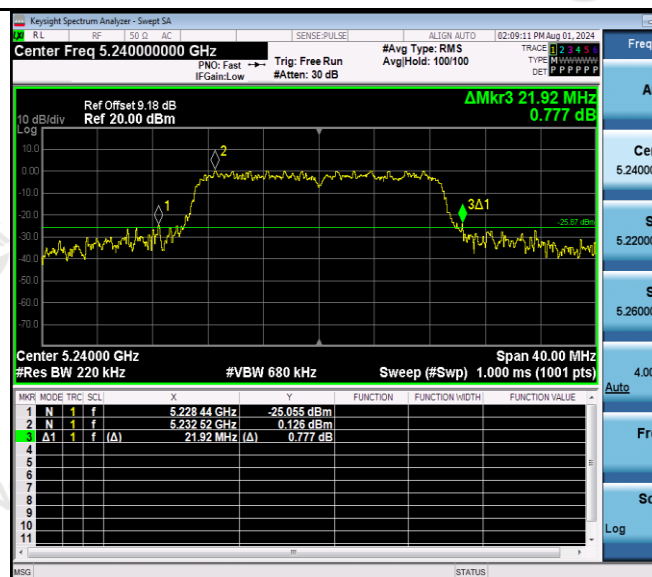
CH36



CH46

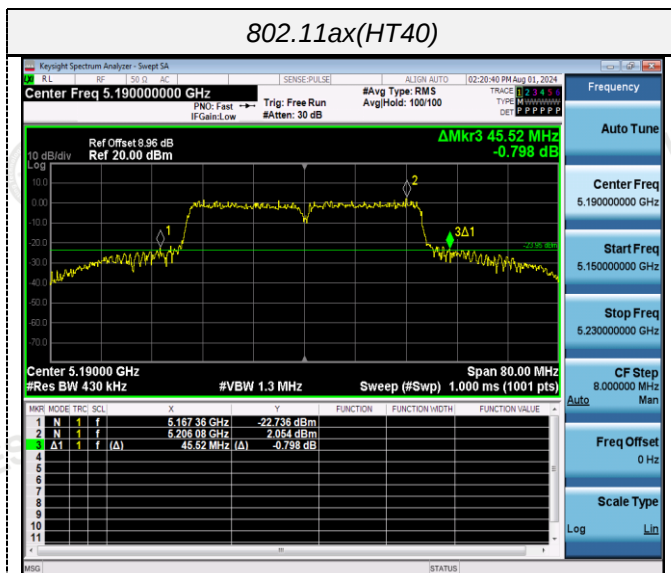


CH40

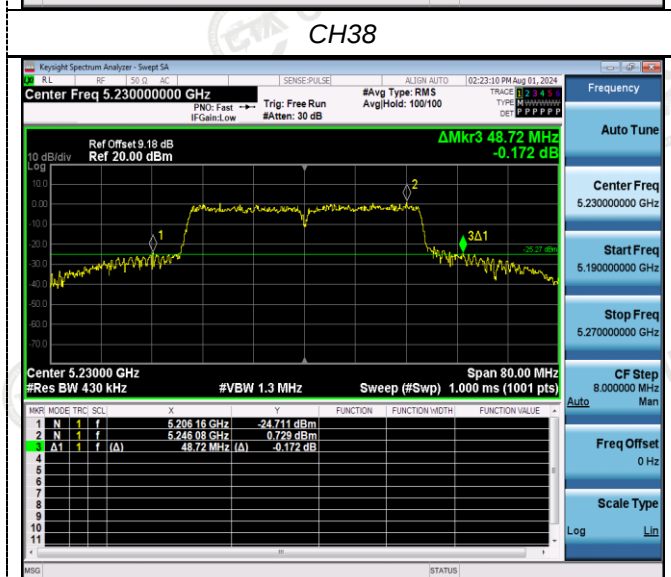


CH48

802.11ax(HT40)



CH38



CH46

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

Module1:

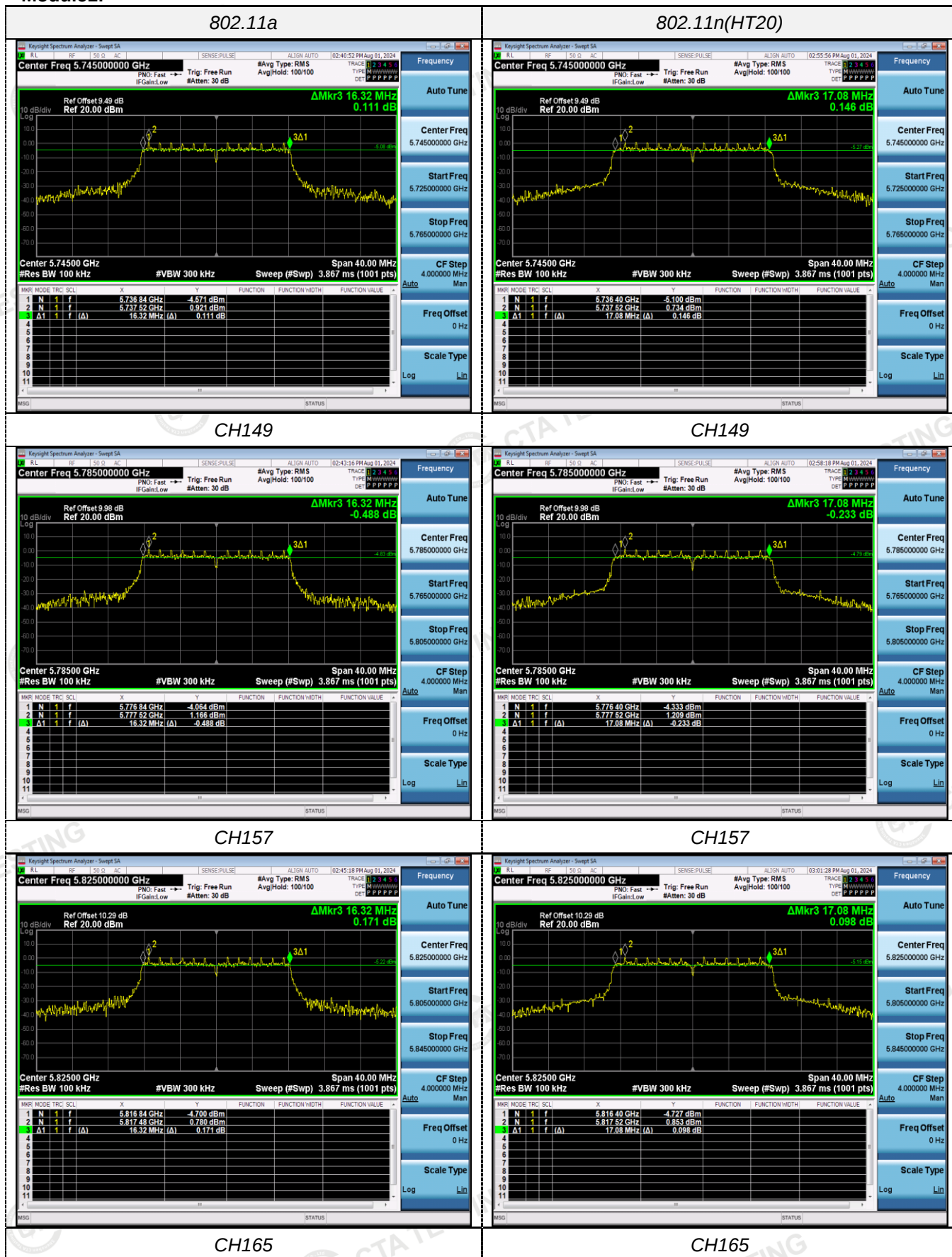
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.320		
		165	16.320		
802.11n(HT20)	U-NII 3	149	17.080		
		157	17.080		
		165	17.080		
802.11n(HT40)	U-NII 3	151	35.840		
		159	35.600		
802.11ac(HT20)	U-NII 3	149	17.080		
		157	16.960		
		165	17.120		
802.11ac(HT40)	U-NII 3	151	35.760		
		159	36.320		
802.11ac(HT80)	U-NII 3	155	75.200		

Module2:

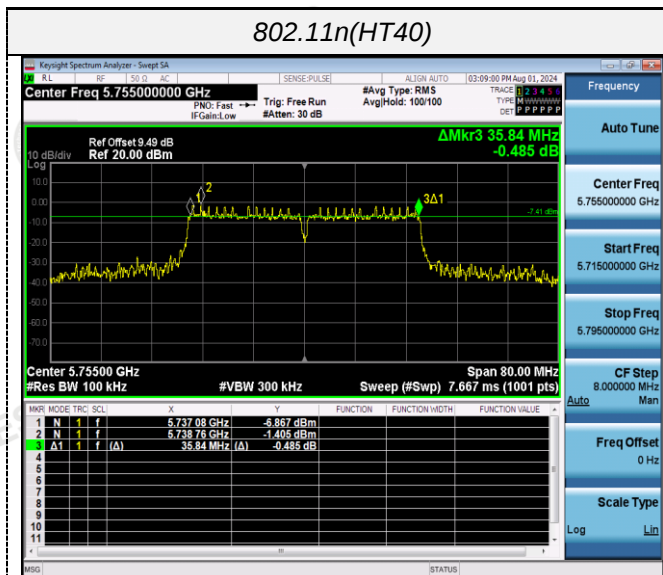
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.280		
		165	16.360		
802.11n(HT20)	U-NII 3	149	17.000		
		157	17.120		
		165	16.960		
802.11n(HT40)	U-NII 3	151	35.360		
		159	35.680		
802.11ac(HT20)	U-NII 3	149	16.800		
		157	16.600		
		165	16.960		
802.11ac(HT40)	U-NII 3	151	35.600		
		159	35.600		
802.11ax(HT20)	U-NII 3	149	17.200		
		157	16.960		
		165	16.960		
802.11ax(HT40)	U-NII 3	151	35.600		
		159	35.840		

Test plot as follows:

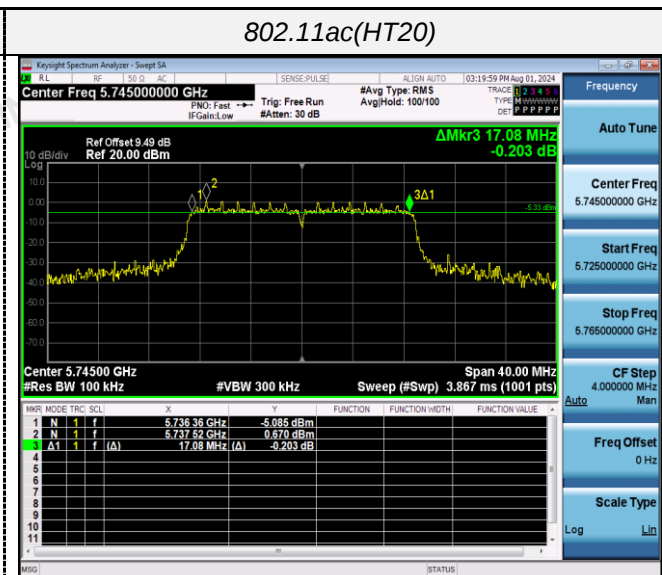
Module1:



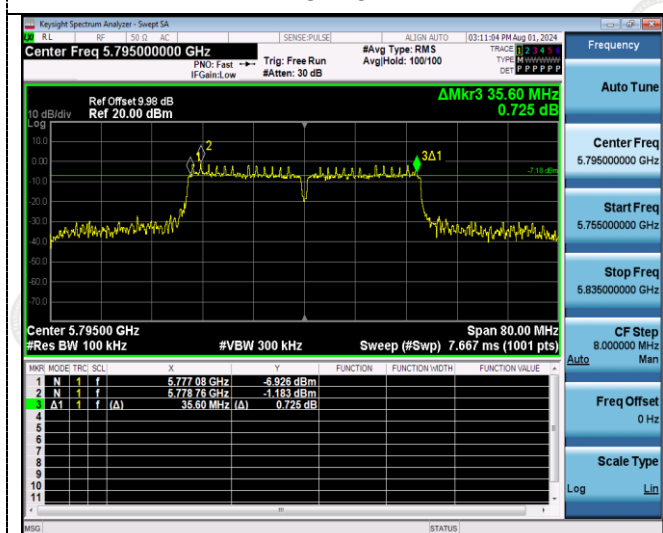
802.11n(HT40)



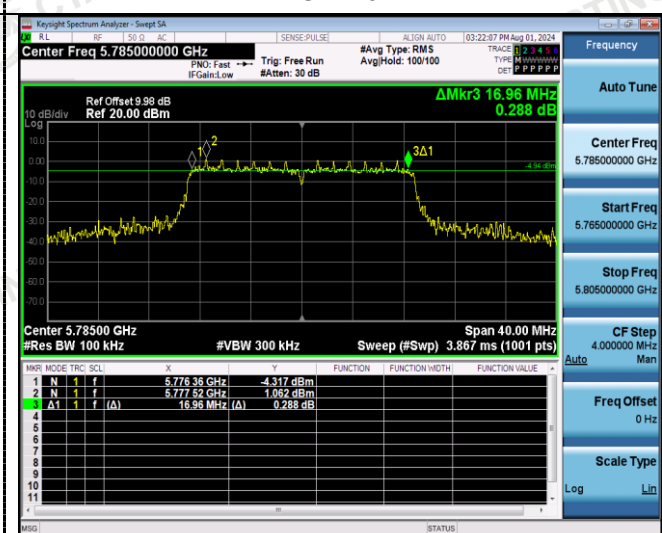
802.11ac(HT20)



CH151



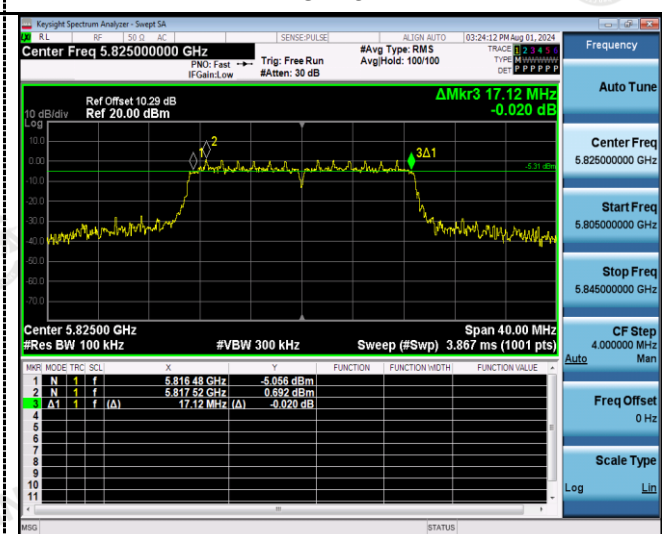
CH149



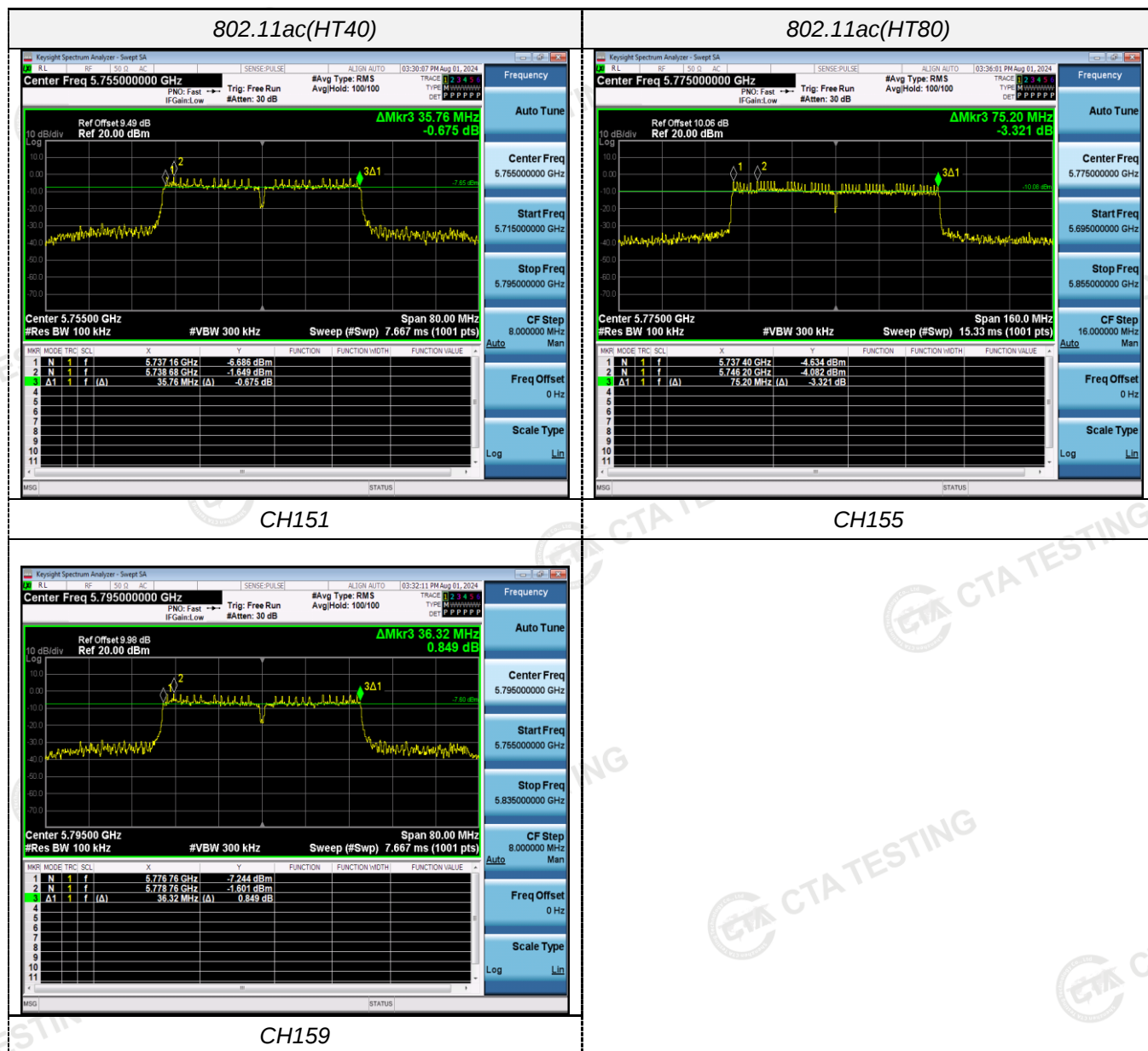
CH159



CH157

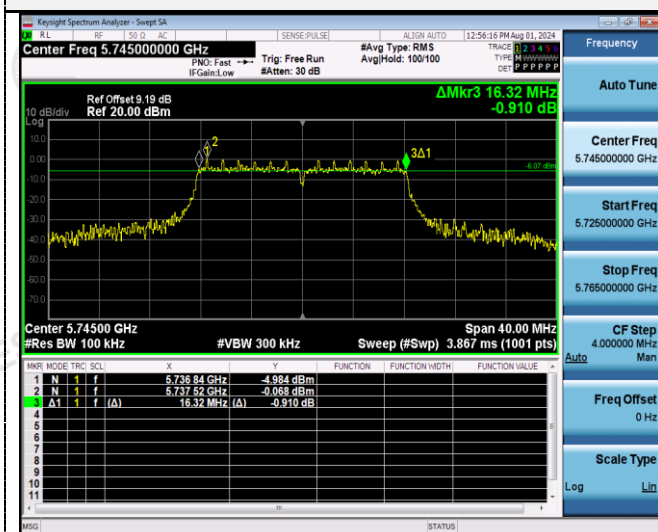


CH165

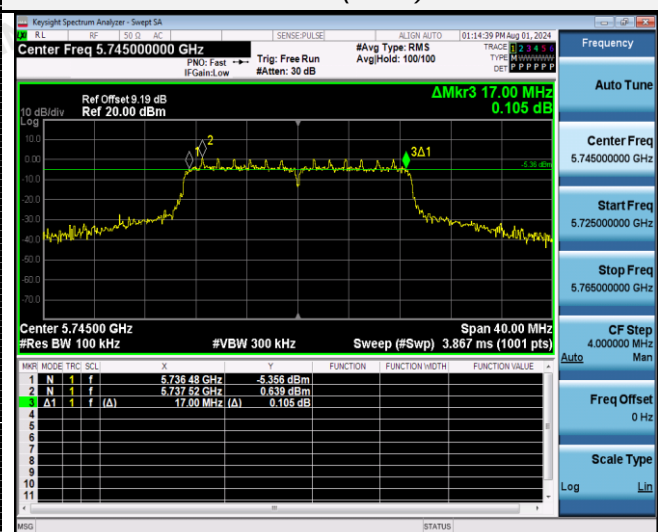


Module2:

802.11a



802.11n(HT20)



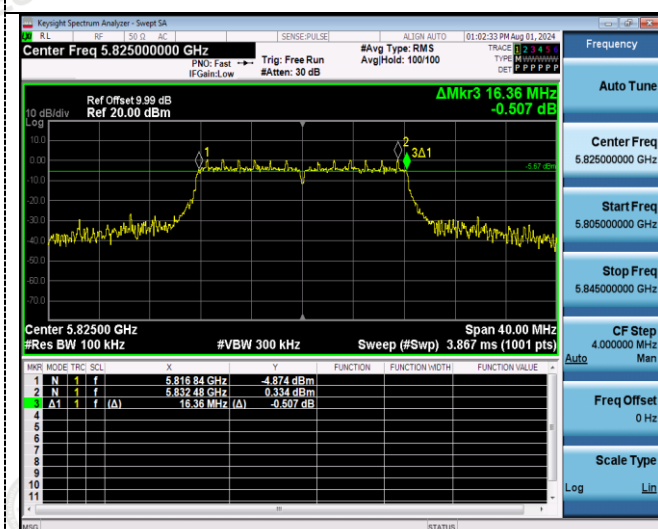
CH149



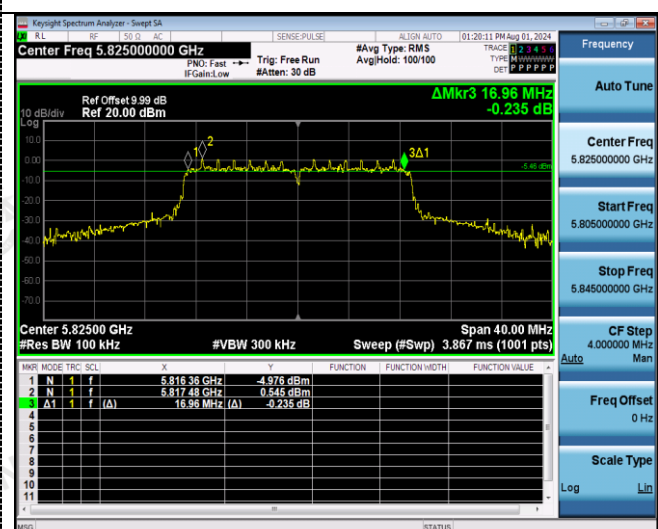
CH149



CH157



CH157



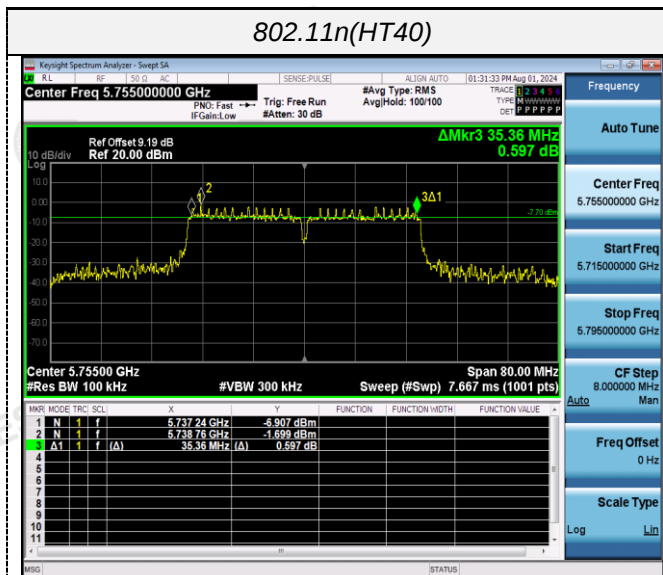
CH165



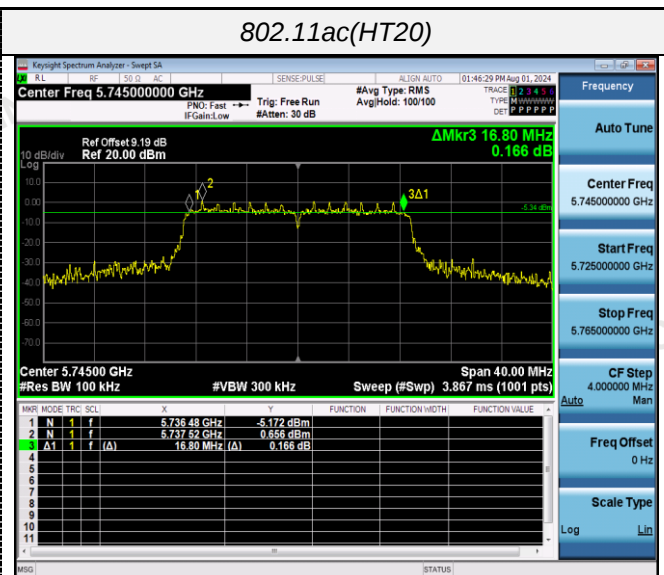
CH165



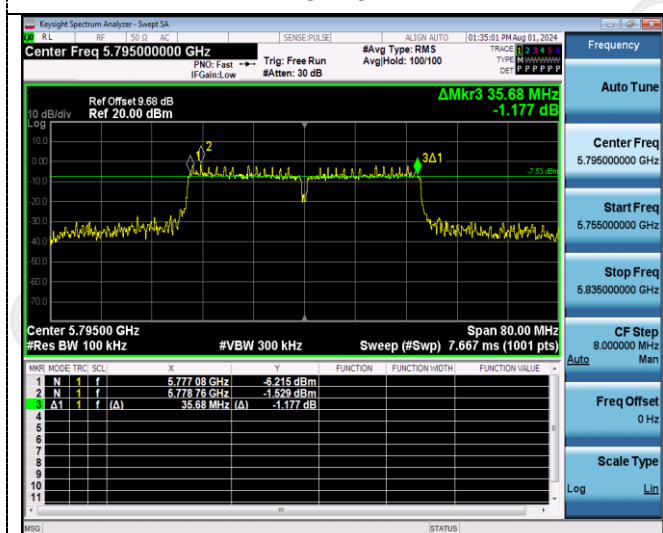
802.11n(HT40)



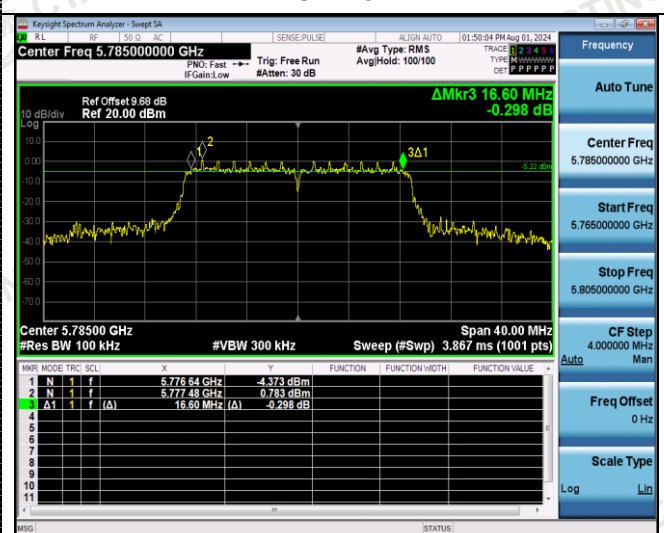
802.11ac(HT20)



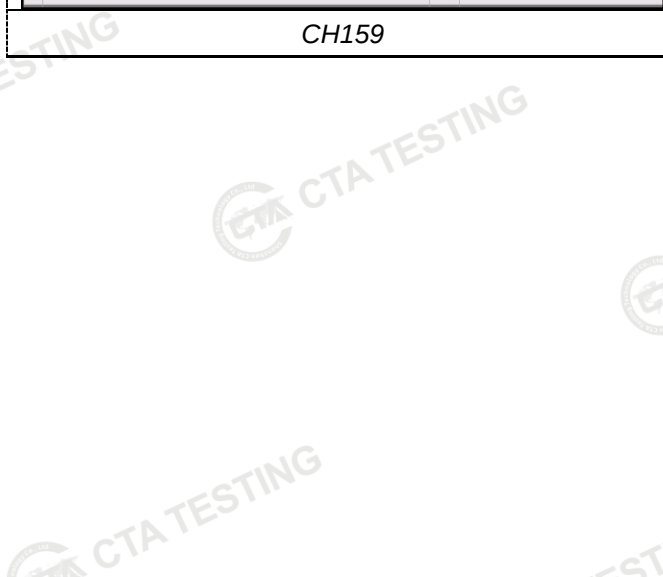
CH151



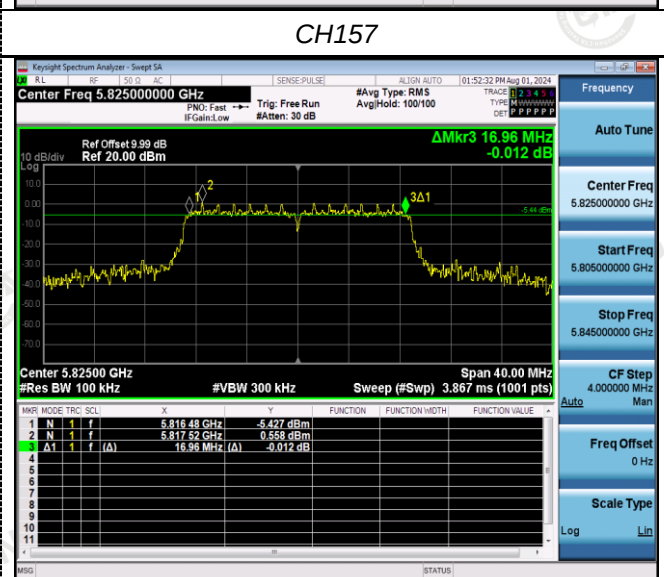
CH149



CH159



CH157



CH165