

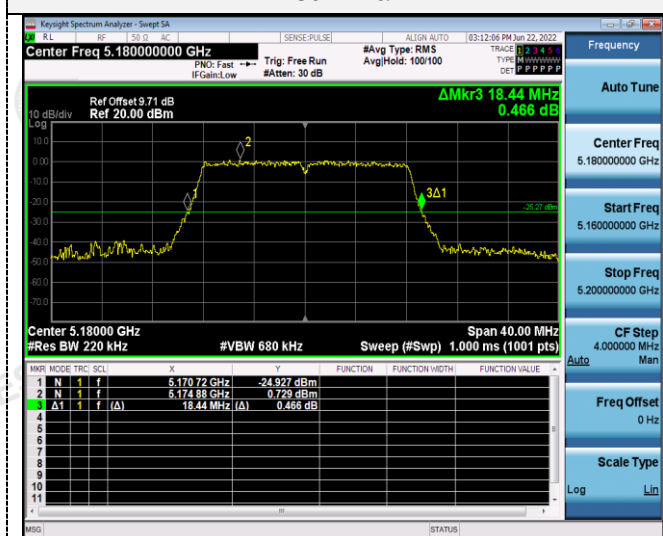
ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.400	N/A	Pass
		40	18.440		
		48	18.360		
802.11n(HT20)	U-NII 1	36	19.360		
		40	19.360		
		48	19.480		
802.11n(HT40)	U-NII 1	38	40.960		
		46	40.880		
802.11ac(HT20)	U-NII 1	36	19.480		
		40	19.360		
		48	19.320		
802.11ac(HT40)	U-NII 1	38	40.880		
		46	41.040		
802.11ac(HT80)	U-NII 1	42	81.44		

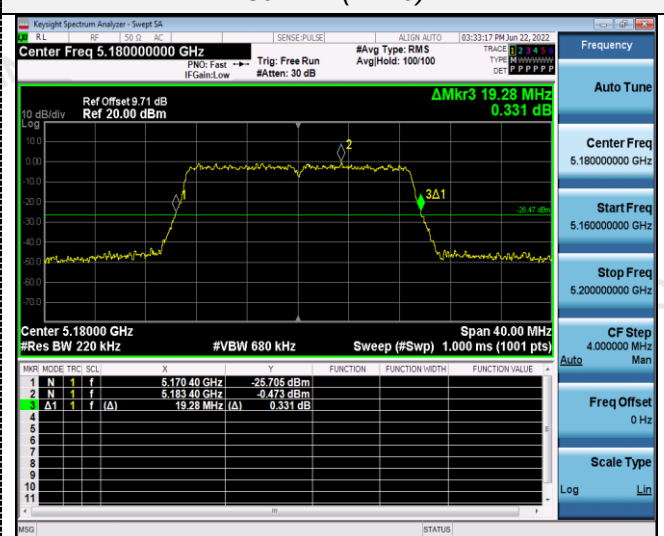
Test plot as follows:

ANT 1

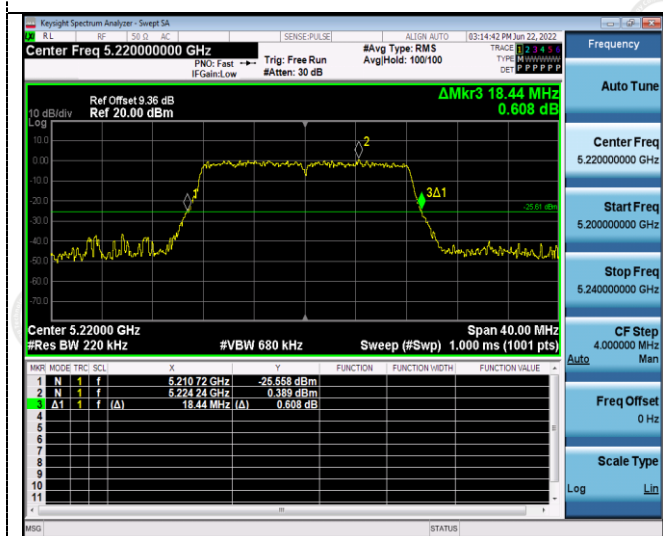
802.11a



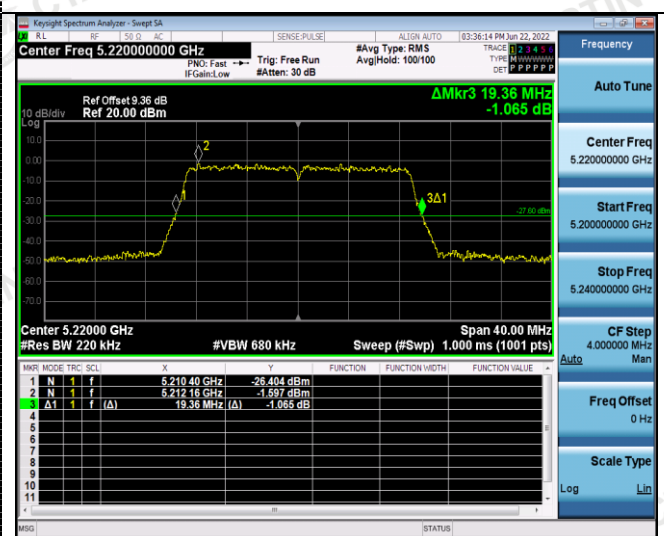
802.11n(HT20)



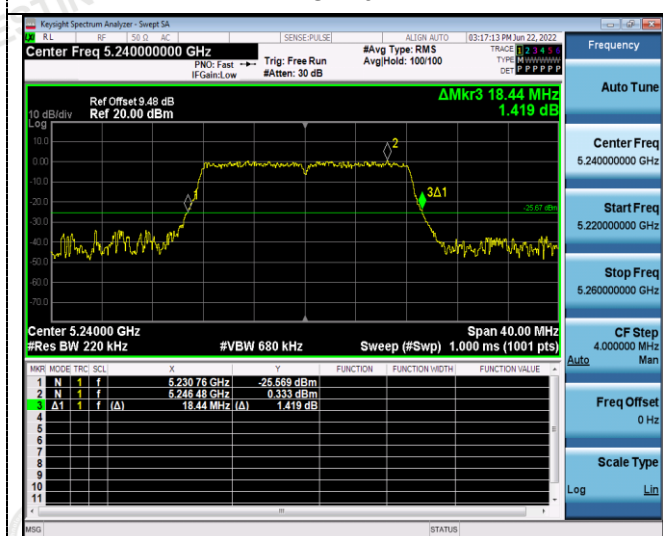
CH36



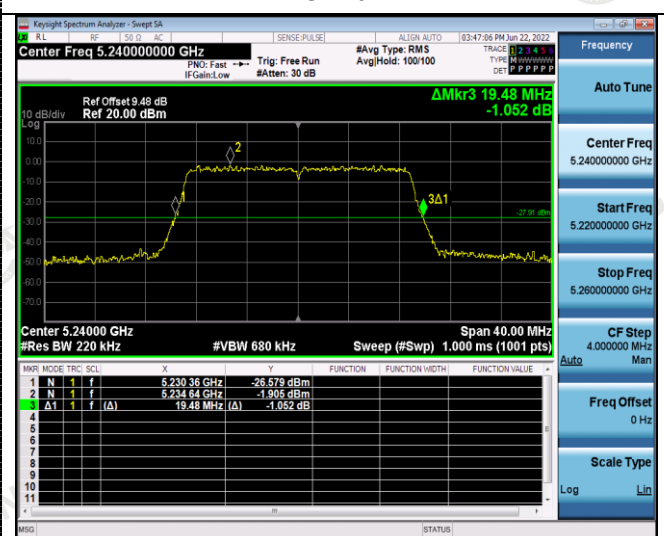
CH36



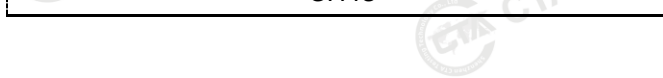
CH40



CH40



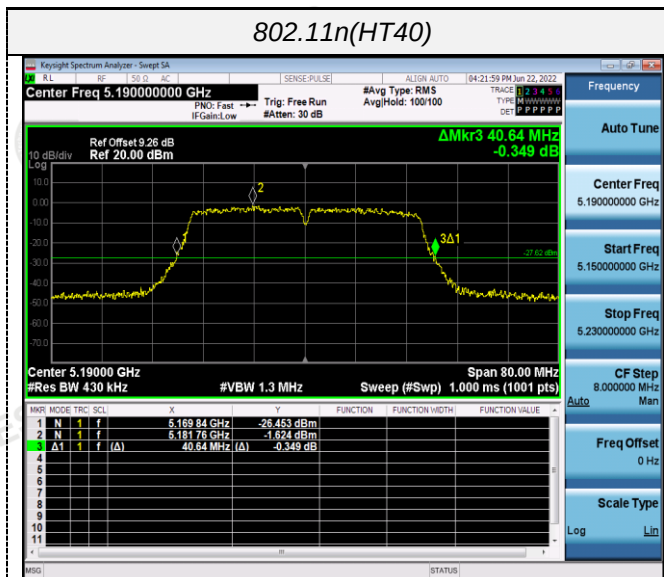
CH48



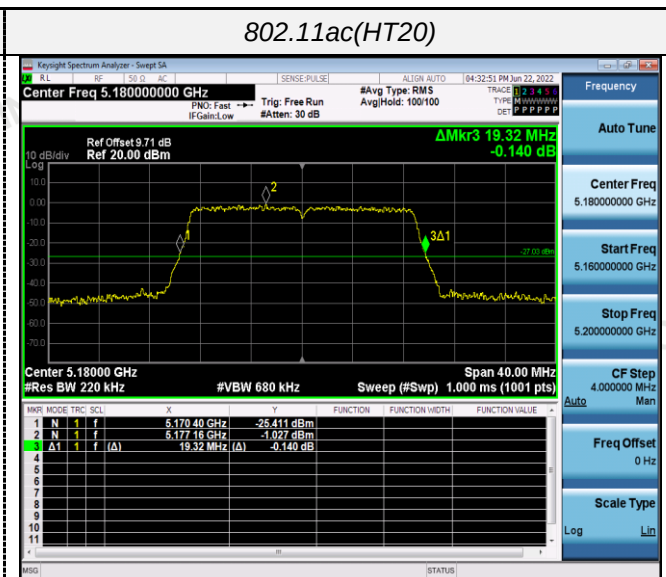
CH48



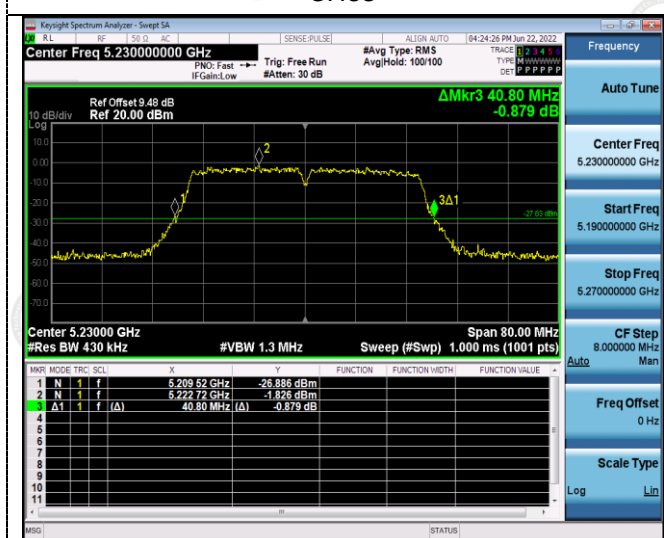
802.11n(HT40)



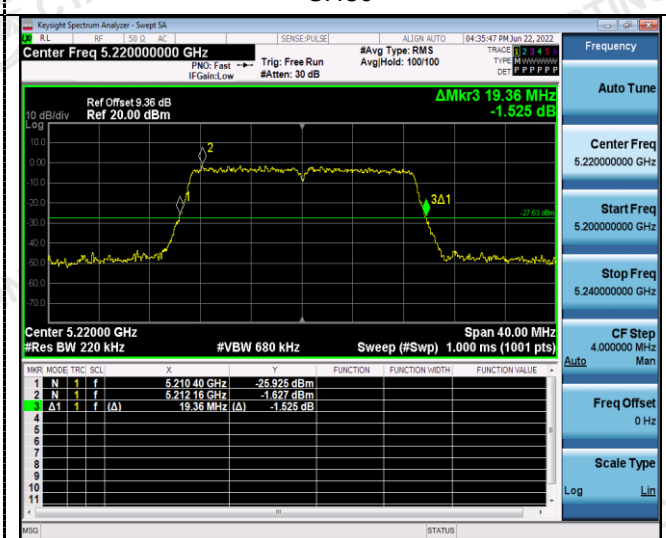
802.11ac(HT20)



CH38



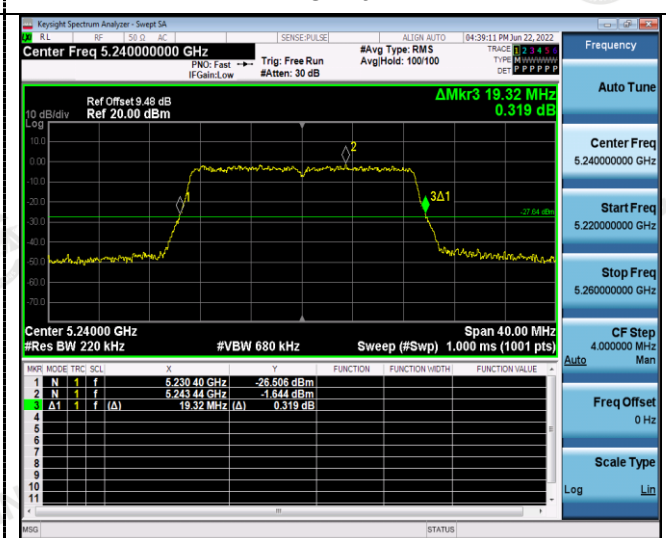
CH36



CH46

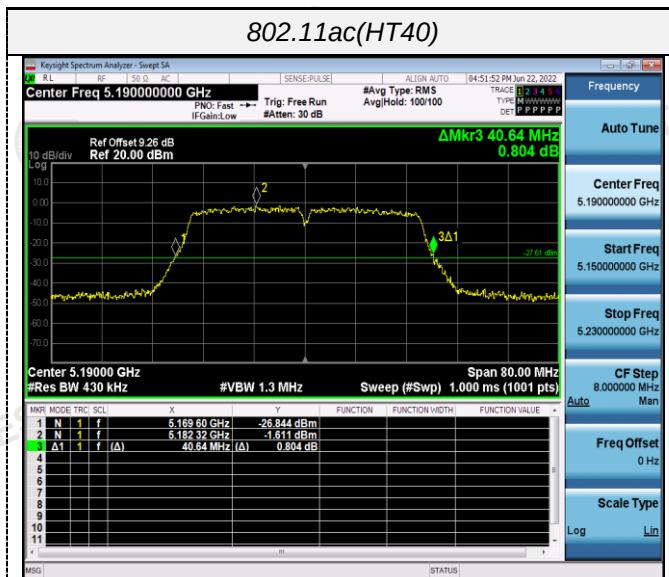


CH40

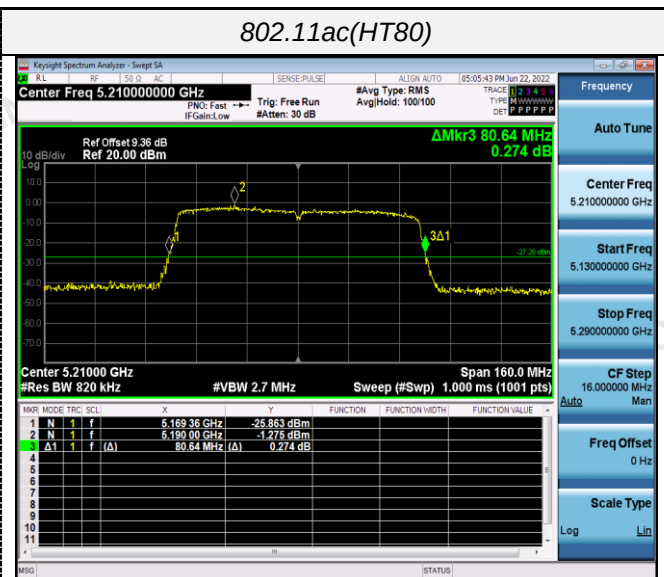


CH48

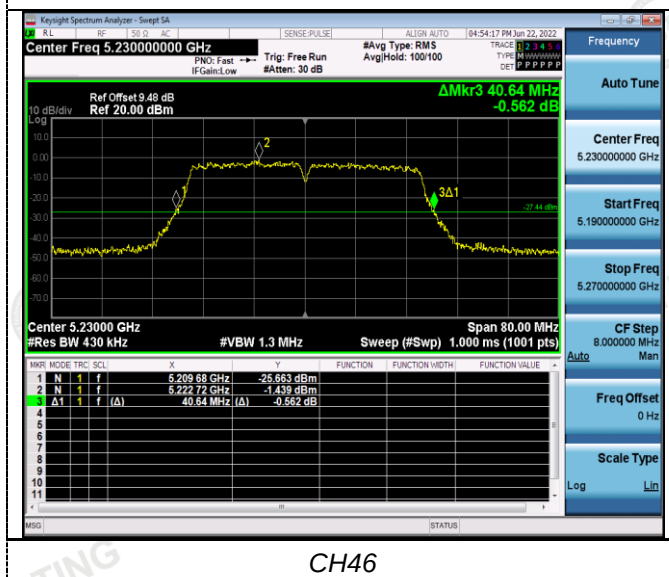
802.11ac(HT40)



802.11ac(HT80)



CH38

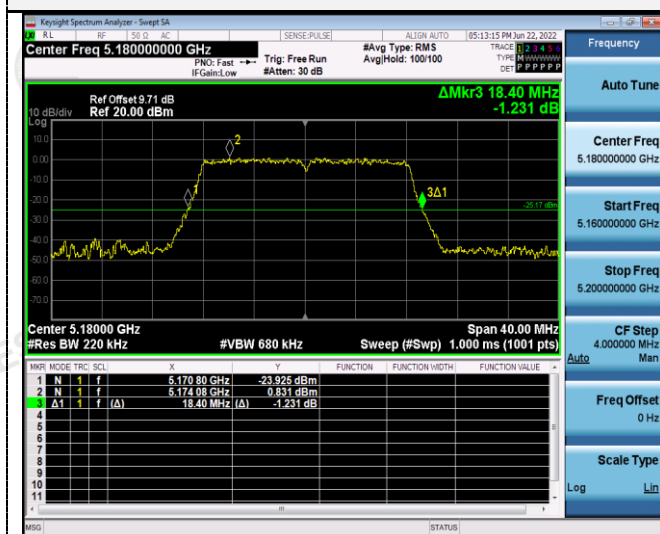


CH42

CH46

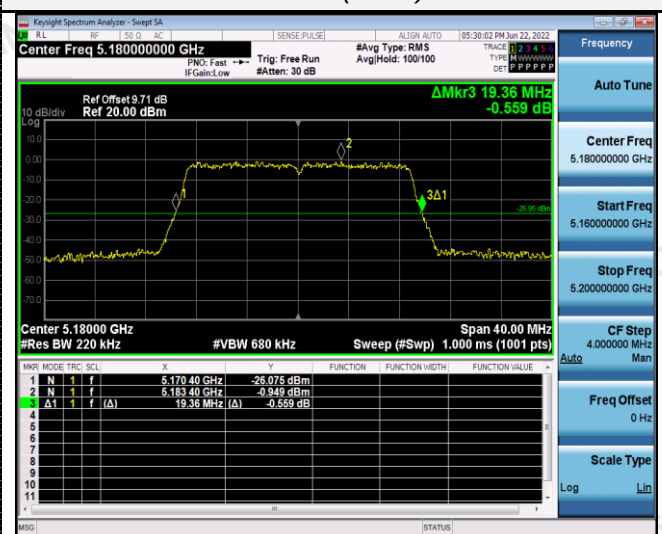
ANT 2

802.11a

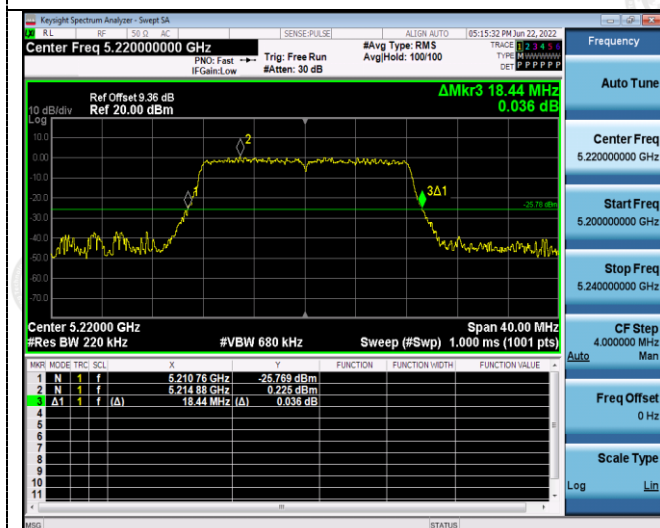


CH36

802.11n(HT20)



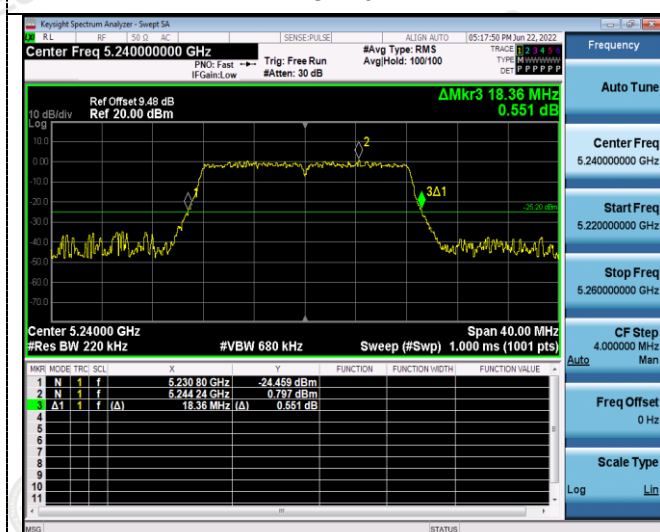
CH36



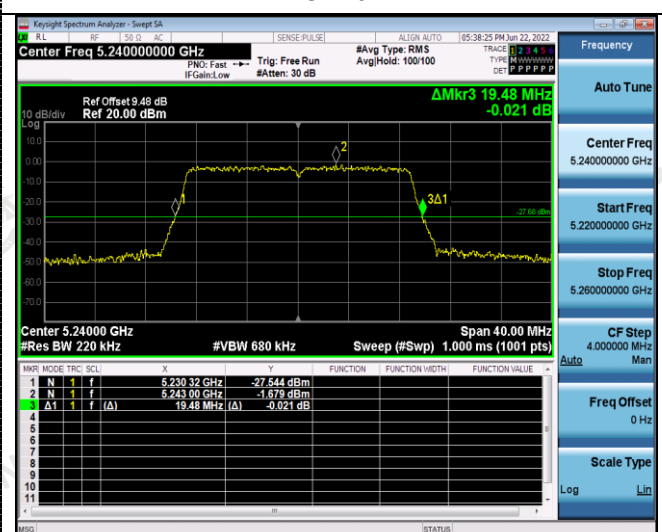
CH40



CH40

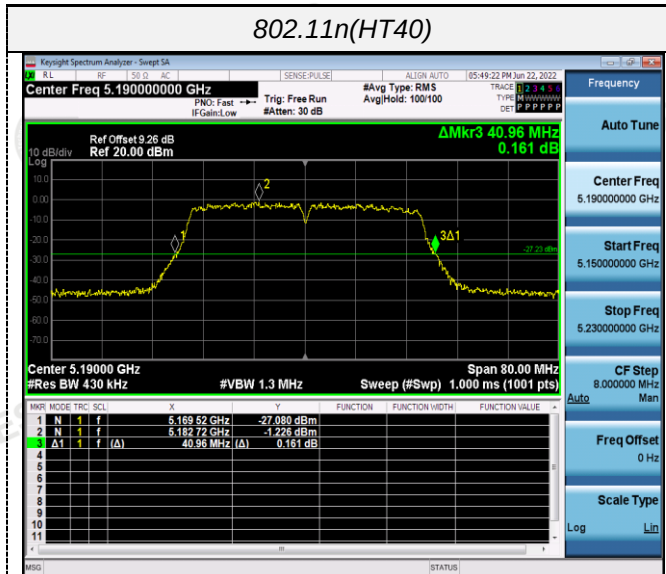


CH48

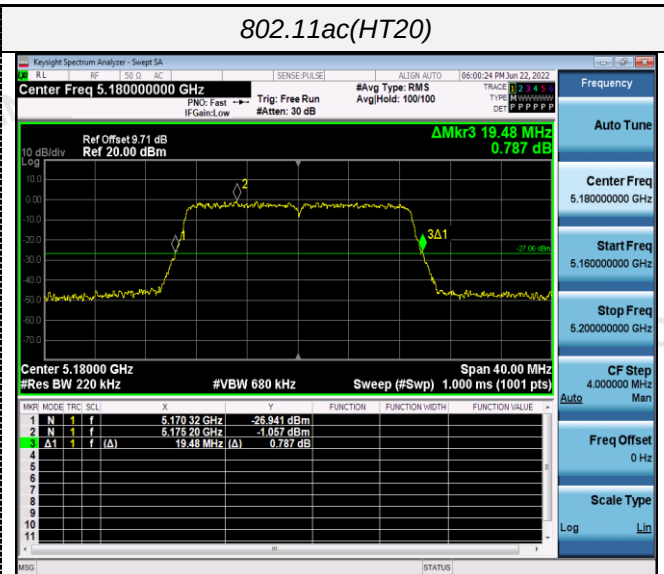


CH48

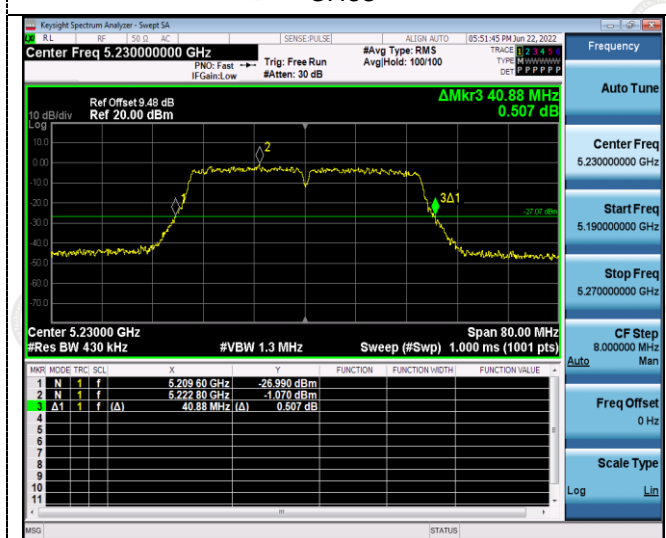
802.11n(HT40)



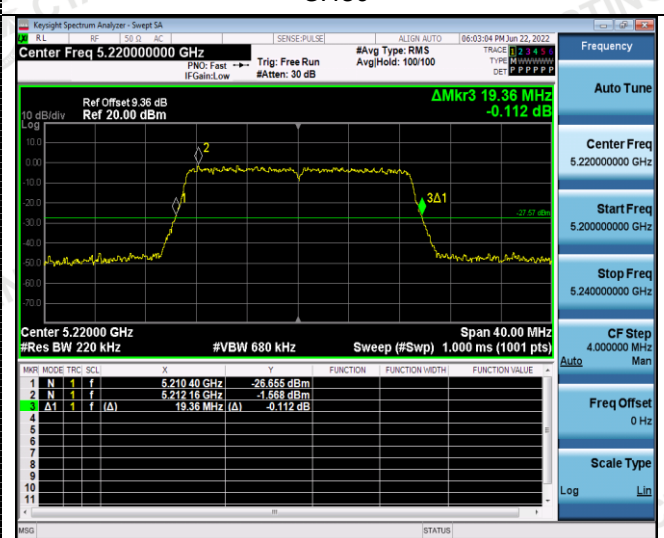
802.11ac(HT20)



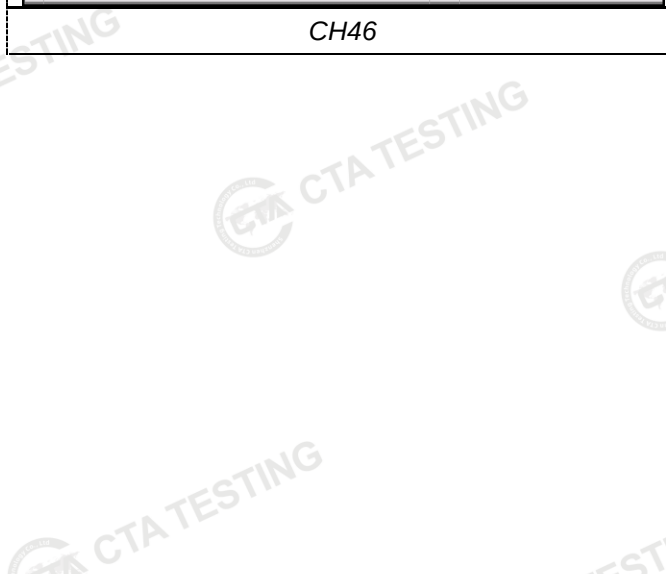
CH38



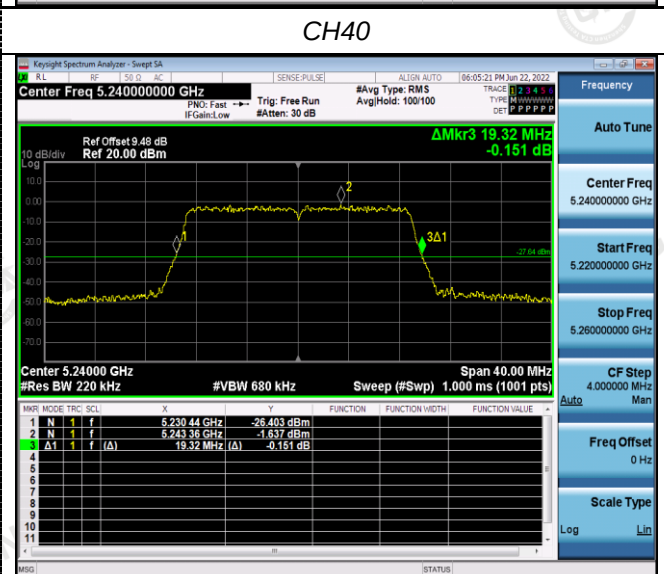
CH36



CH46

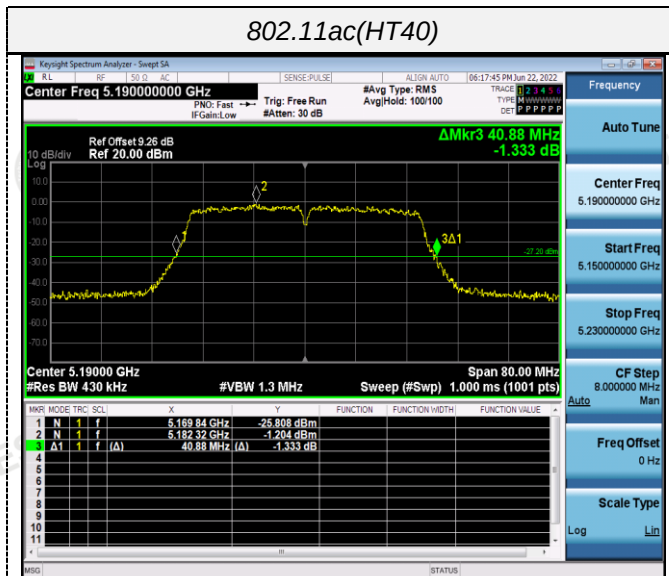


CH40

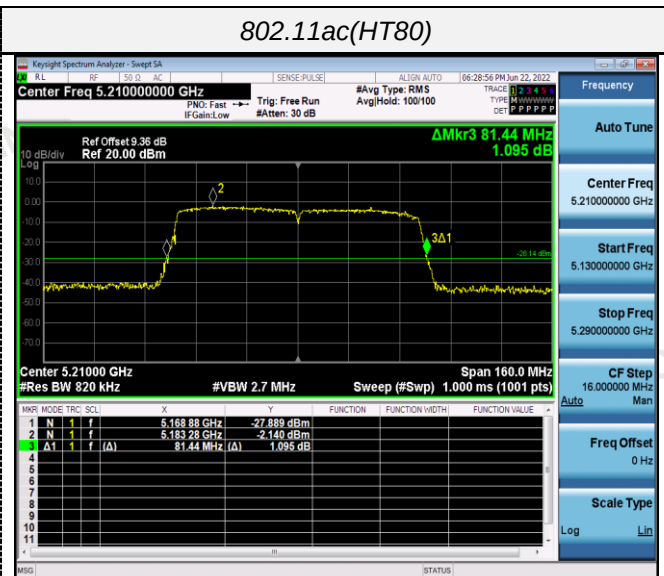


CH48

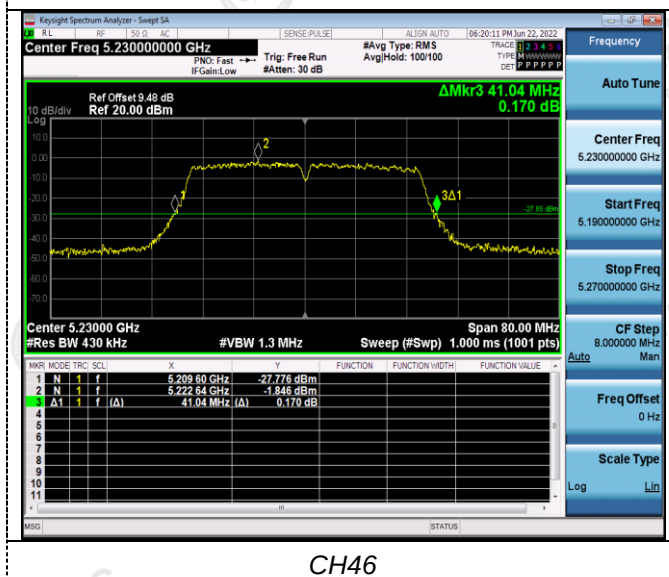
802.11ac(HT40)



802.11ac(HT80)



CH38



CH46

CH42

4.7 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

ANT 1

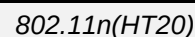
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.480	≥500KHz	Pass
		157	16.520		
		165	16.520		
802.11n(HT20)	U-NII 3	149	17.720		
		157	17.680		
		165	17.720		
802.11n(HT40)	U-NII 3	151	36.400		
		159	36.400		
802.11ac(HT20)	U-NII 3	149	17.720		
		157	17.680		
		165	17.640		
802.11ac(HT40)	U-NII 3	151	36.400		
		159	36.400		
802.11ac(HT80)	U-NII 3	155	76.320		

ANT 2

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.480	≥500KHz	Pass
		157	16.480		
		165	16.480		
802.11n(HT20)	U-NII 3	149	17.720		
		157	17.640		
		165	17.680		
802.11n(HT40)	U-NII 3	151	36.400		
		159	36.400		
802.11ac(HT20)	U-NII 3	149	17.680		
		157	17.640		
		165	17.680		
802.11ac(HT40)	U-NII 3	151	36.400		
		159	36.400		
802.11ac(HT80)	U-NII 3	155	76.320		

Test plot as follows:

802.11a



802.11n(HT40)

802.11ac(HT20)