

802.11n(HT40)

U-NII 1



U-NII 3



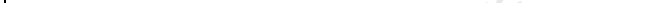
CH38



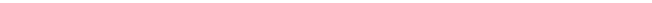
CH151



CH46

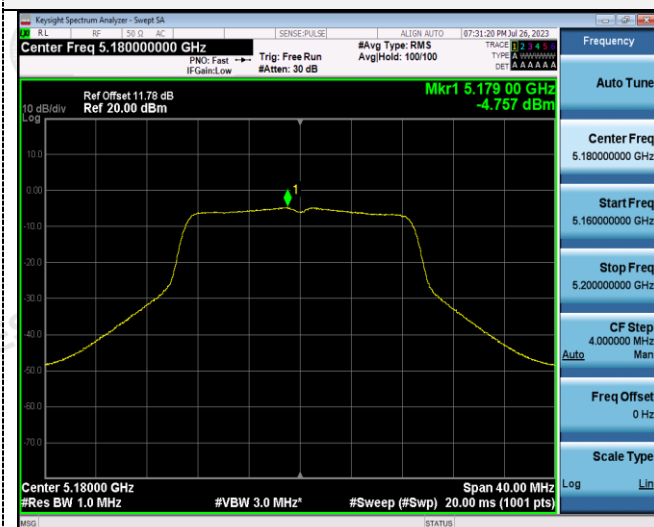


CH159



802.11ac(HT20)

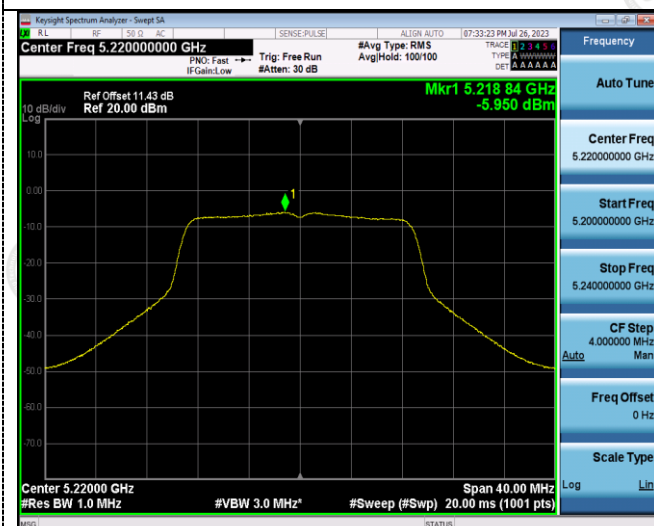
U-NII 1



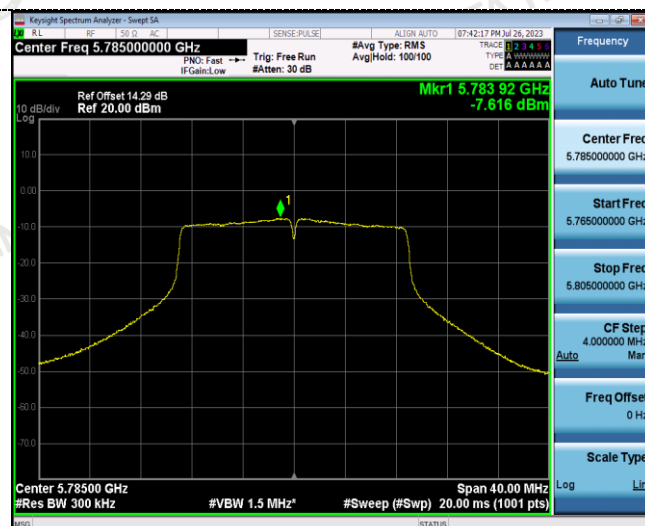
U-NII 3



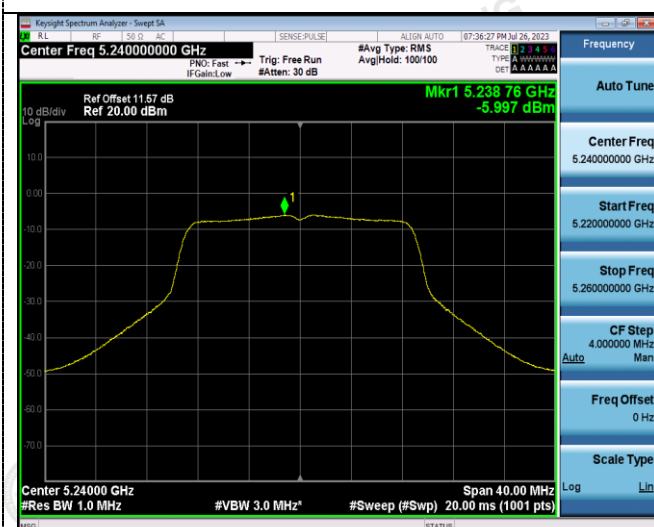
CH36



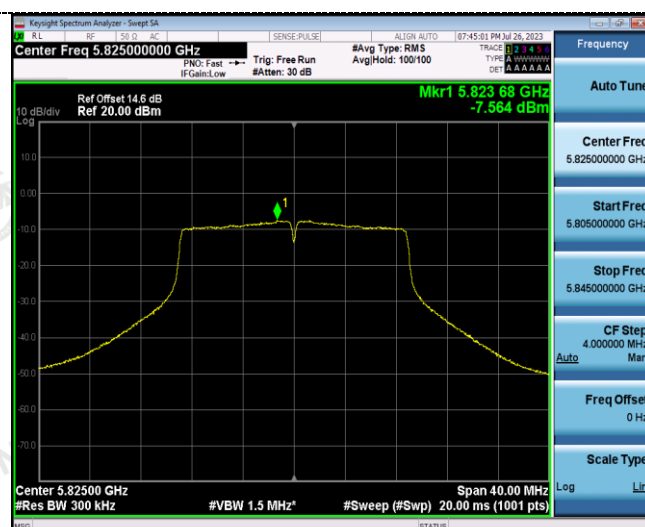
CH149



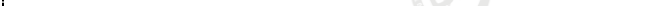
CH40



CH157



CH48



CH165



802.11ac(HT40)

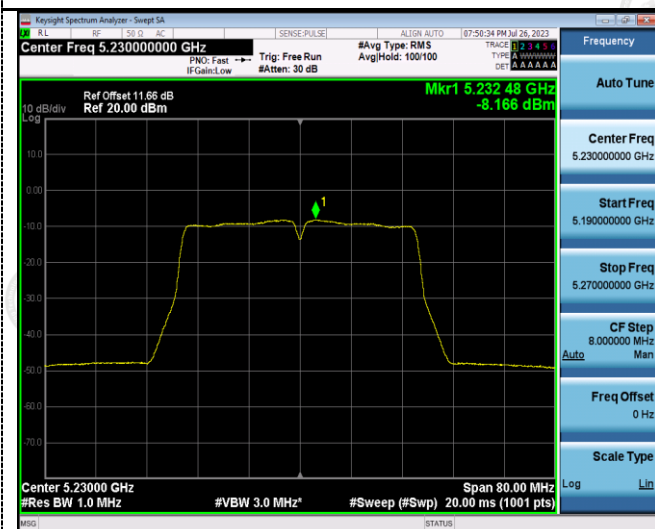
U-NII 1



U-NII 3



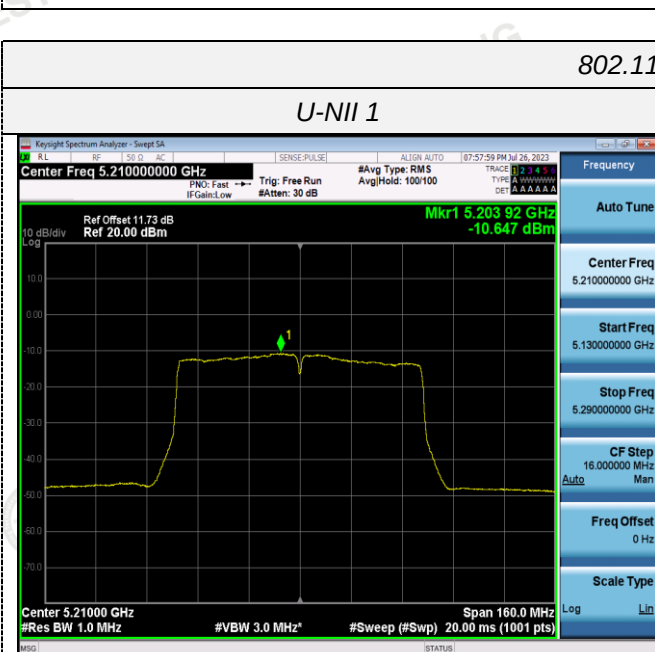
CH38



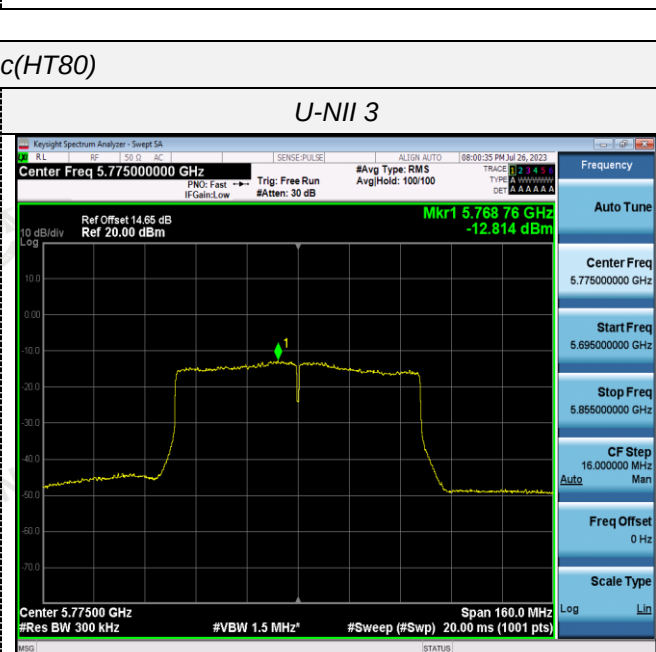
CH151



CH46



CH159



CH42



CH155



802.11ac(HT80)

U-NII 1



U-NII 3



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

ANT 1

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	23.240	N/A	Pass
		44	22.800		
		48	22.840		
802.11n(HT20)	U-NII 1	36	22.920		
		44	22.680		
		48	22.440		
802.11n(HT40)	U-NII 1	38	40.320		
		46	40.800		
802.11ac(HT20)	U-NII 1	36	22.560		
		44	23.240		
		48	23.040		
802.11ac(HT40)	U-NII 1	38	41.200		
		46	41.360		
802.11ac(HT80)	U-NII 1	42	82.880		

ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	22.840	N/A	Pass
		44	22.760		
		48	21.720		
802.11n(HT20)	U-NII 1	36	23.320		
		44	23.200		
		48	23.360		
802.11n(HT40)	U-NII 1	38	40.480		
		46	41.600		
802.11ac(HT20)	U-NII 1	36	23.280		
		44	23.240		
		48	23.480		
802.11ac(HT40)	U-NII 1	38	40.720		
		46	41.040		
802.11ac(HT80)	U-NII 1	42	83.520		

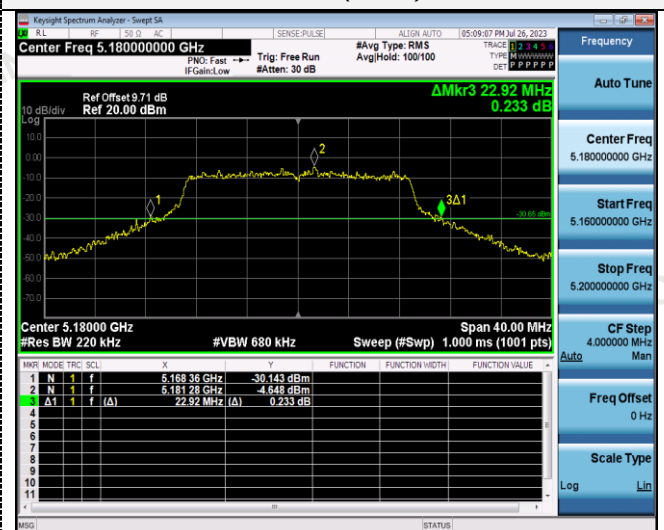
Test plot as follows:

ANT 1

802.11a



802.11n(HT20)



CH36



CH36



CH40



CH40



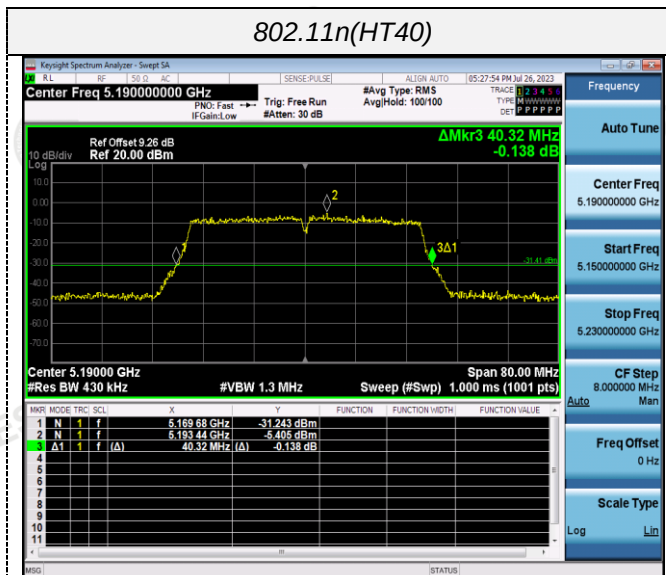
CH48



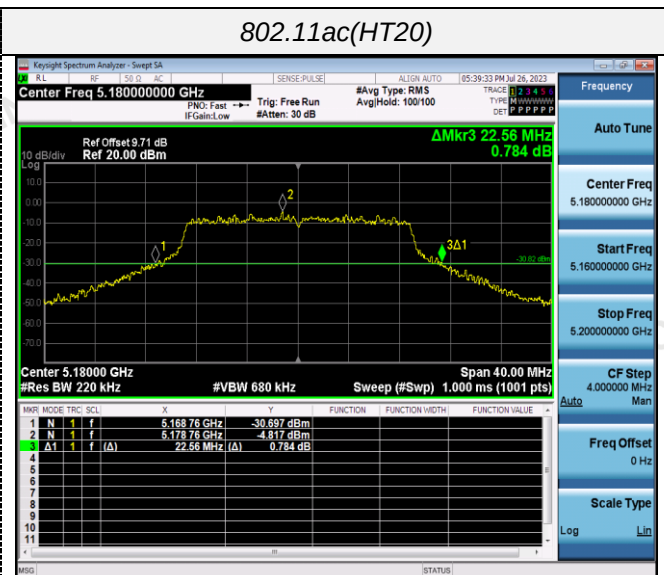
CH48



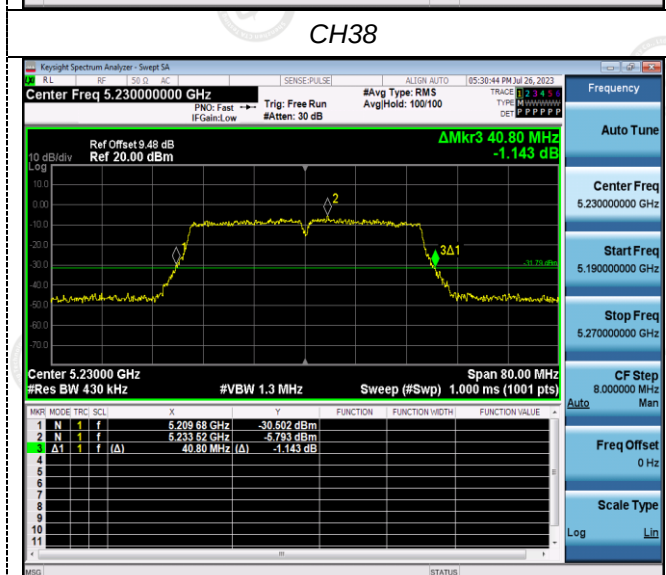
802.11n(HT40)



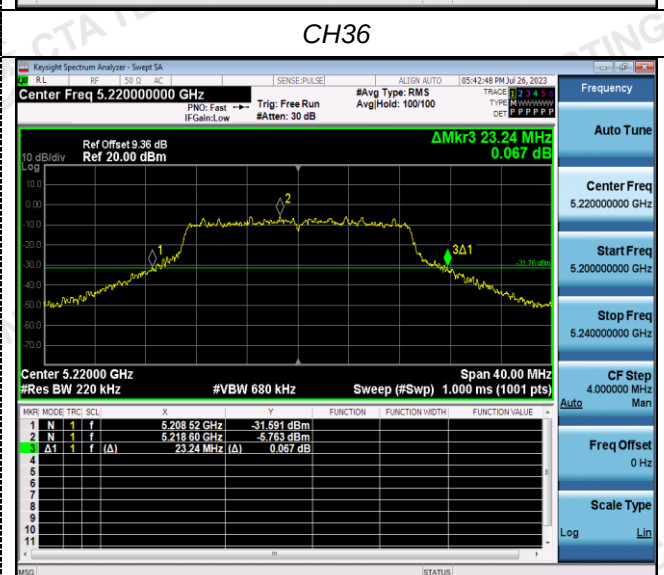
802.11ac(HT20)



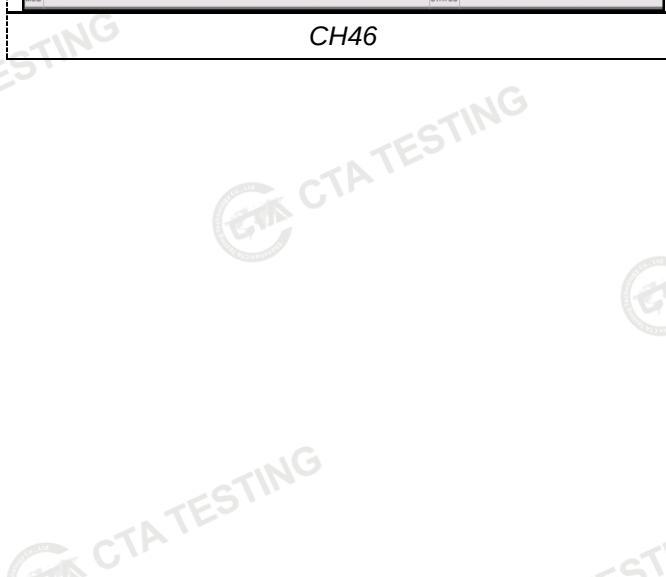
CH38



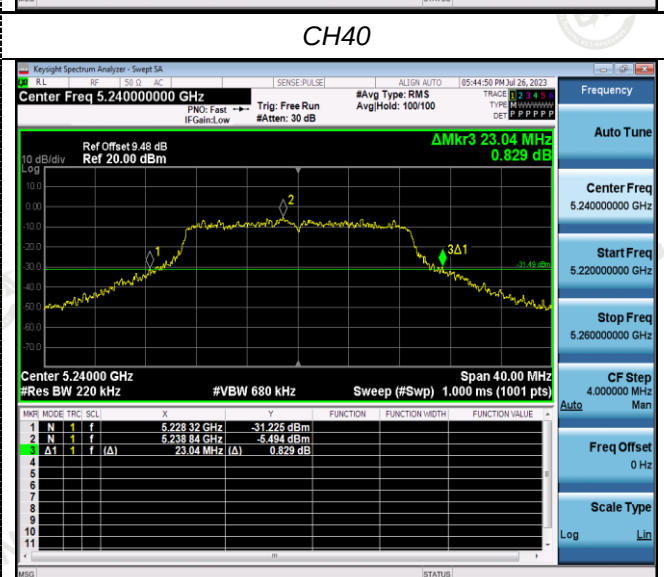
CH36



CH46

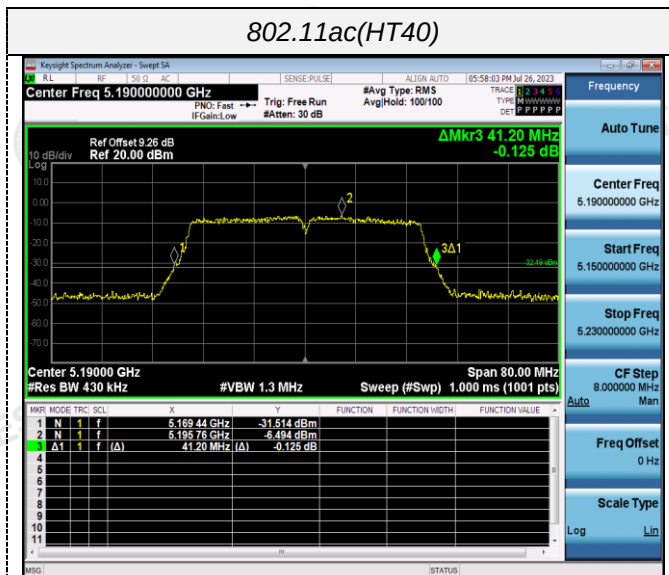


CH40

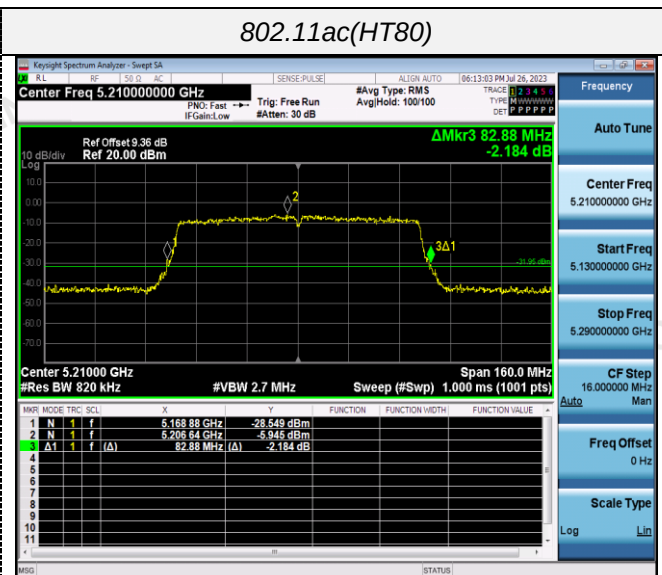


CH48

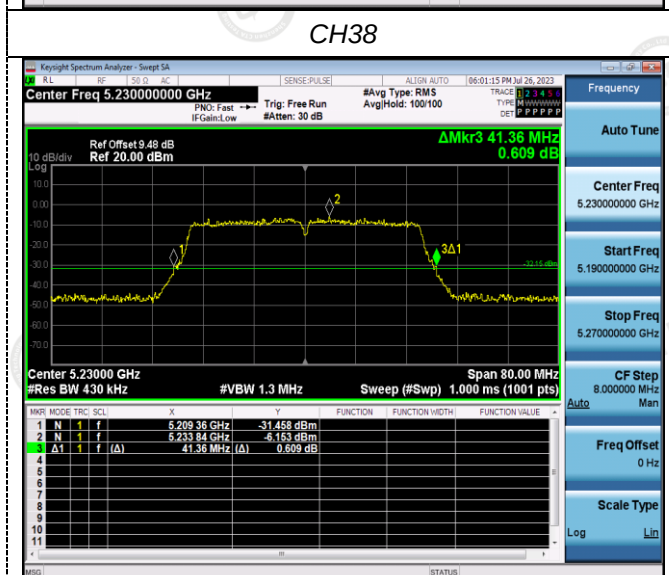
802.11ac(HT40)



802.11ac(HT80)



CH38



CH42

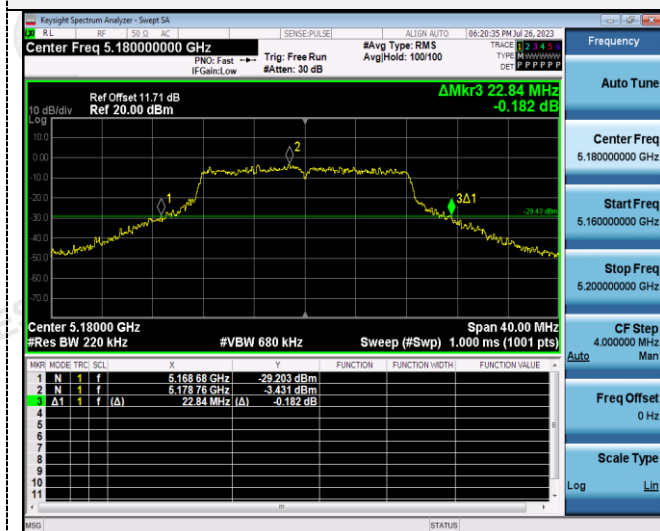


CH46

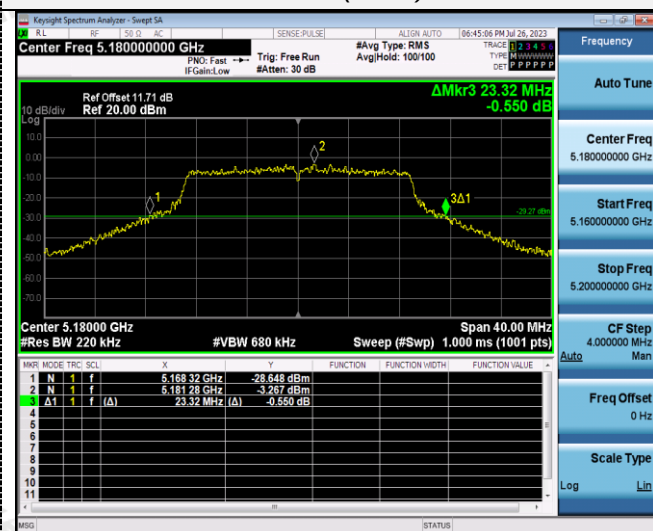


ANT 2

802.11a



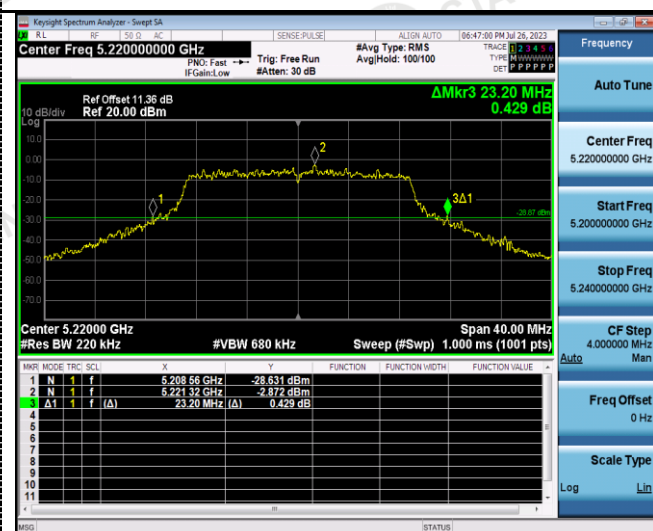
802.11n(HT20)



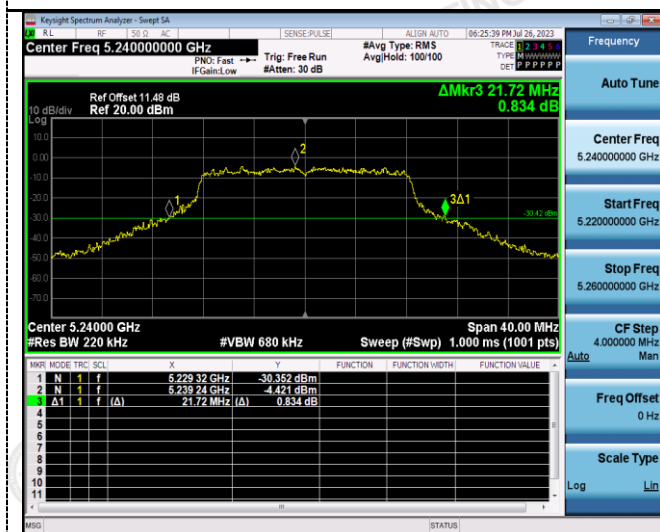
CH36



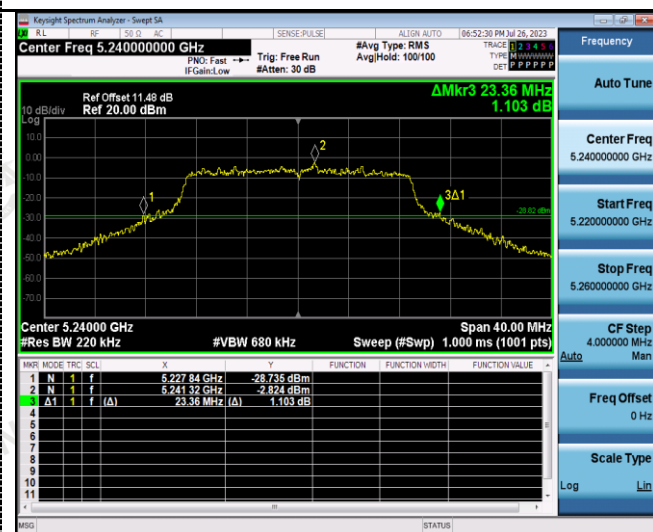
CH36



CH40



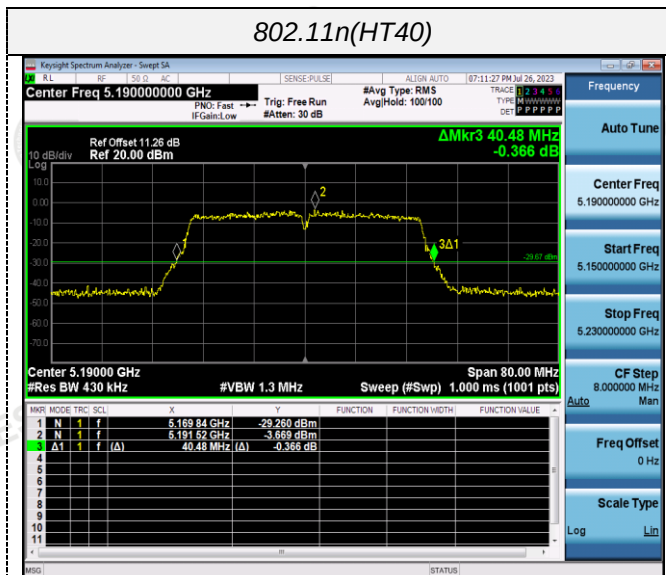
CH40



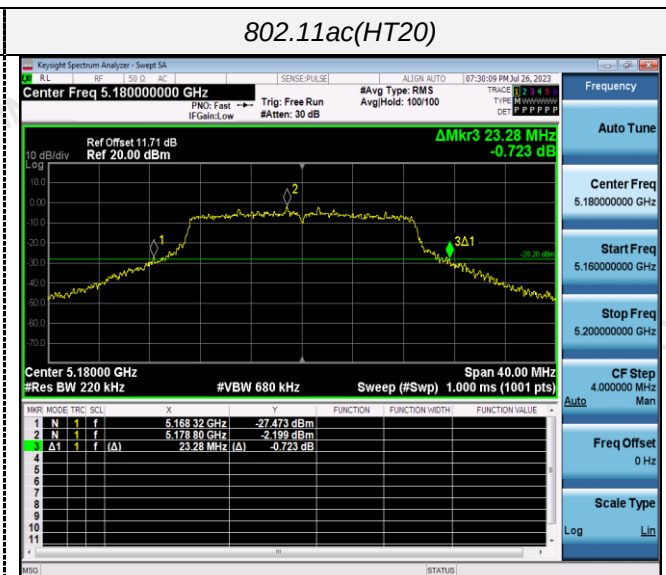
CH48

CH48

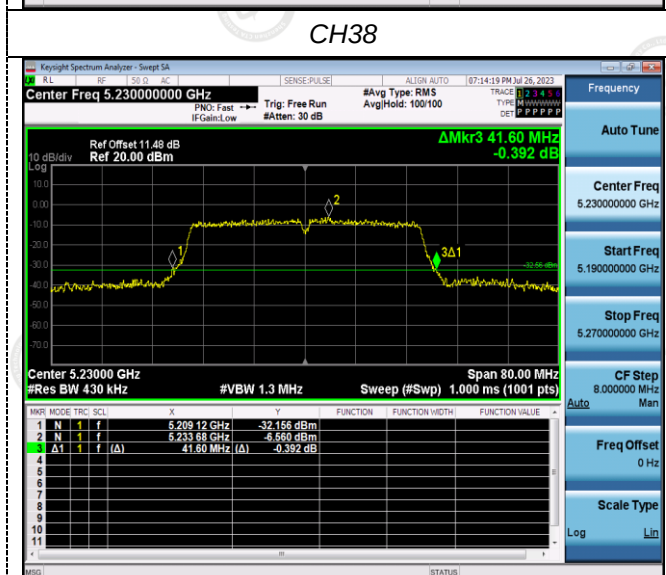
802.11n(HT40)



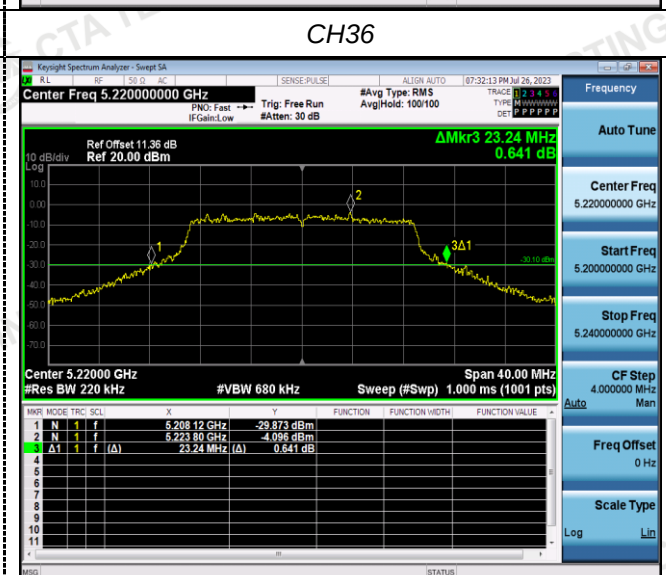
802.11ac(HT20)



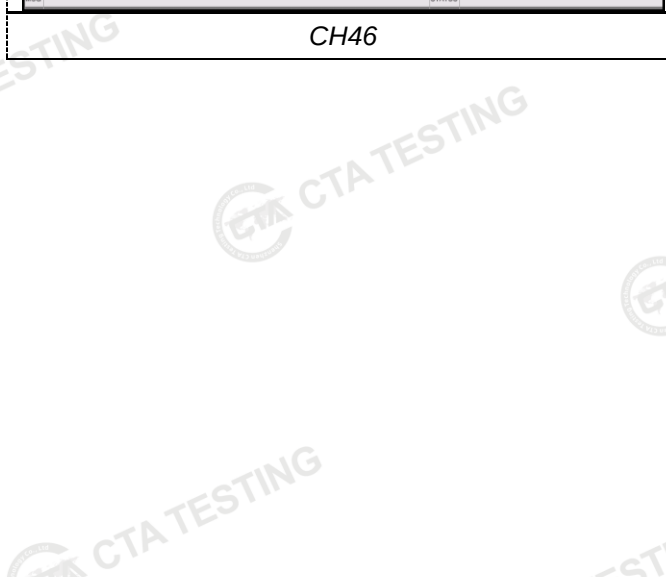
CH38



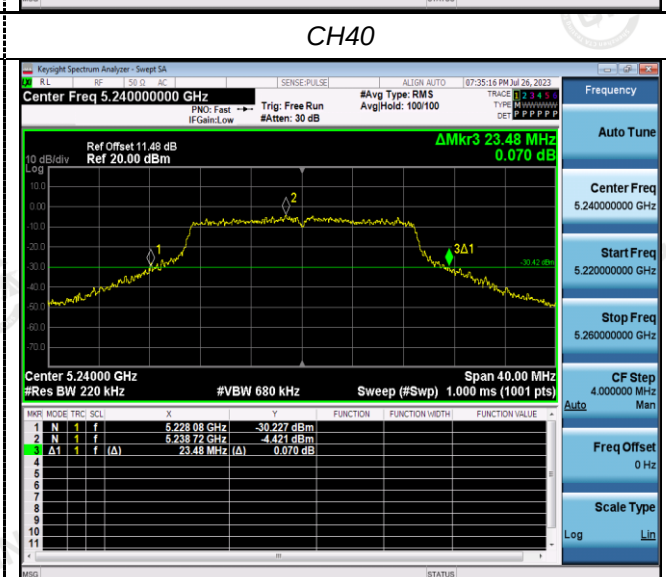
CH36



CH46



CH40



CH48