

802.11n(HT40)

U-NII 1



U-NII 3



CH38



CH151

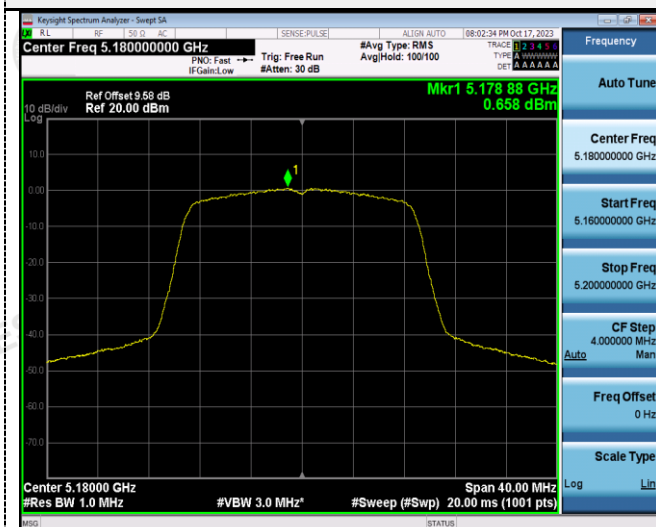


CH46

CH159

802.11ac(HT20)

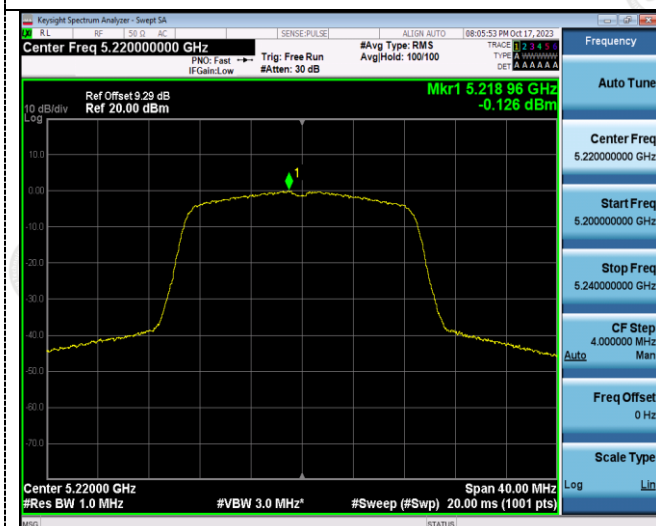
U-NII 1



U-NII 3



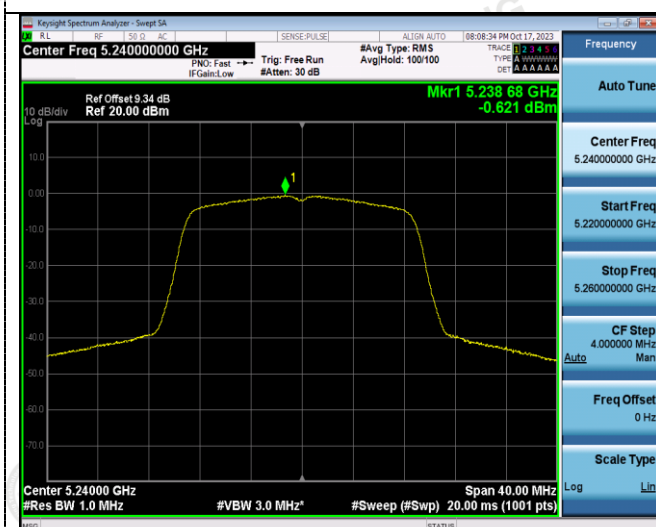
CH36



CH149



CH40



CH157



CH48



CH165



802.11ac(HT40)

U-NII 1



U-NII 3



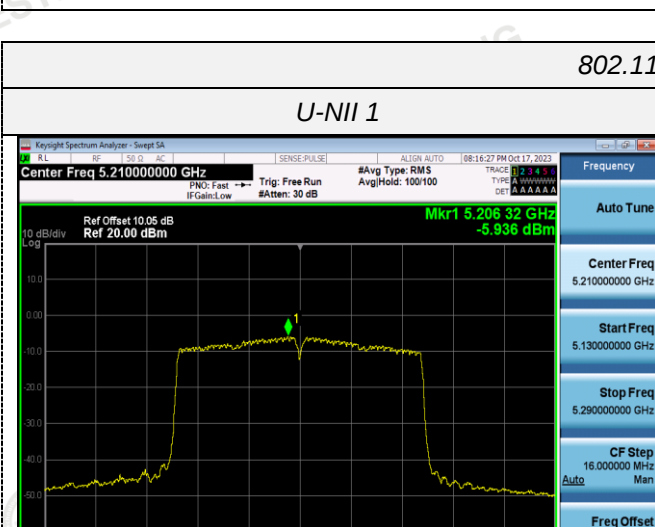
CH38



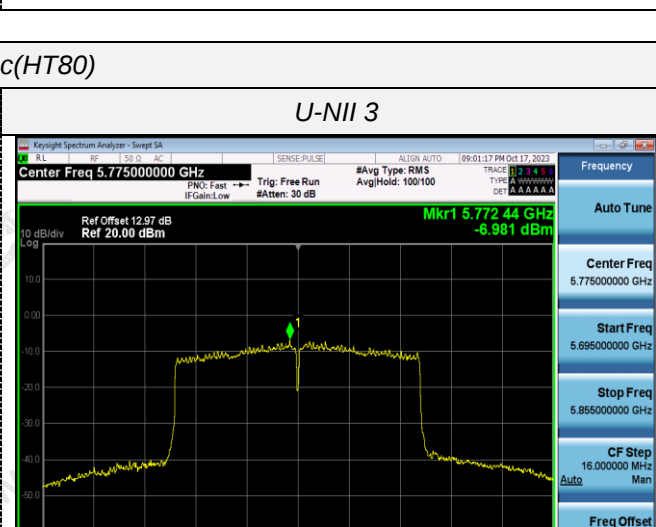
CH151



CH46



CH159



802.11ac(HT80)

U-NII 1



U-NII 3



CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

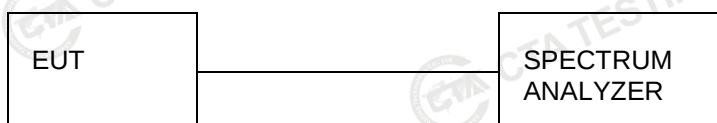
Limit

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

ANT 1

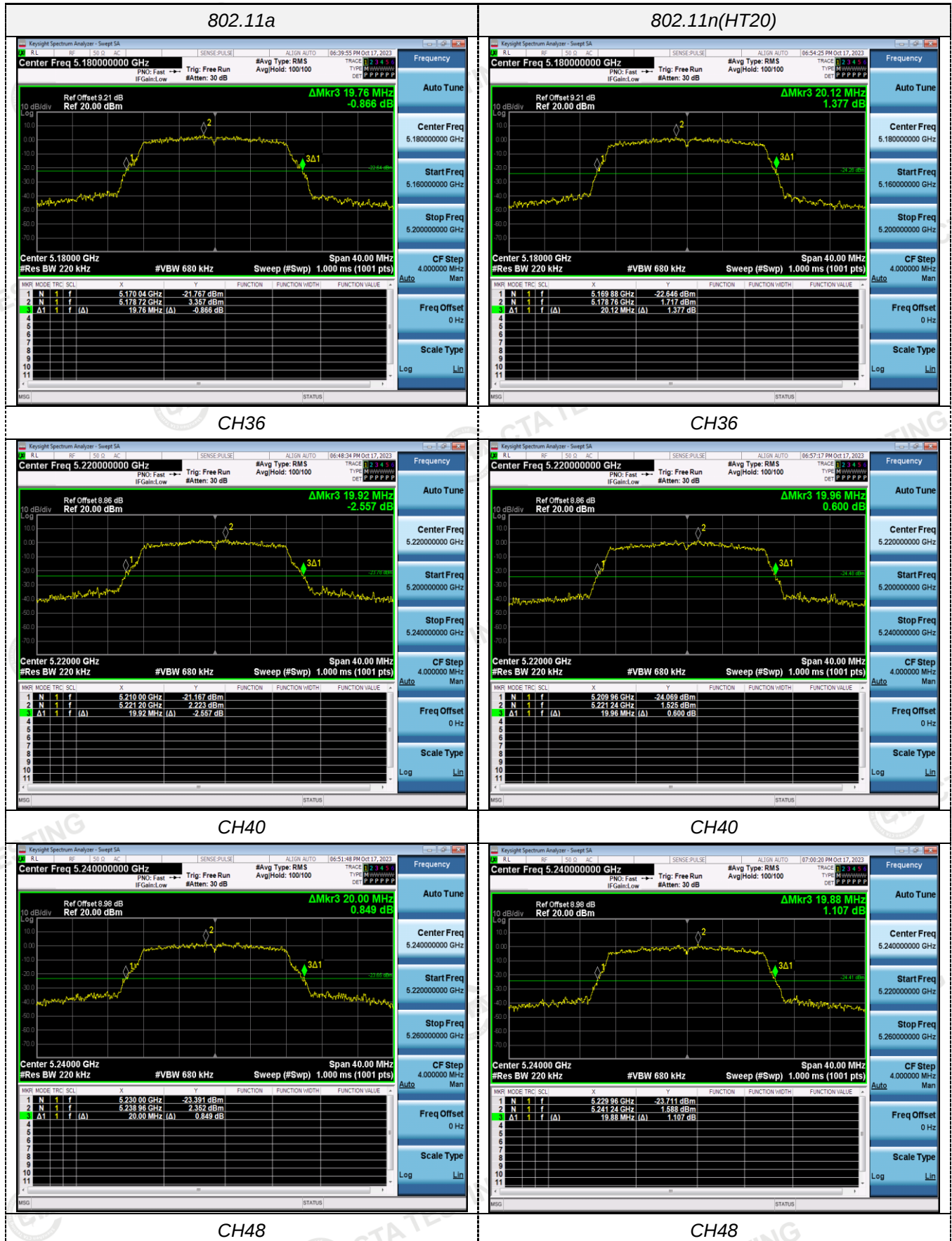
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.760	N/A	Pass
		44	19.920		
		48	20.000		
802.11n(HT20)	U-NII 1	36	20.120		
		44	19.960		
		48	19.880		
802.11n(HT40)	U-NII 1	38	40.560		
		46	40.480		
802.11ac(HT20)	U-NII 1	36	19.880		
		44	20.120		
		48	19.760		
802.11ac(HT40)	U-NII 1	38	39.760		
		46	39.680		
802.11ac(HT80)	U-NII 1	42	80.160		

ANT 2

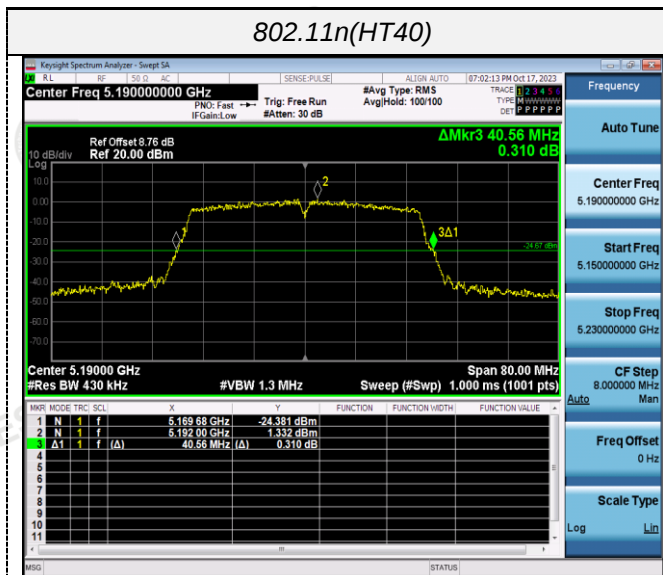
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.840	N/A	Pass
		44	19.880		
		48	19.920		
802.11n(HT20)	U-NII 1	36	20.160		
		44	20.040		
		48	20.240		
802.11n(HT40)	U-NII 1	38	40.000		
		46	40.320		
802.11ac(HT20)	U-NII 1	36	20.000		
		44	20.040		
		48	19.800		
802.11ac(HT40)	U-NII 1	38	40.000		
		46	40.000		
802.11ac(HT80)	U-NII 1	42	80.000		

Test plot as follows:

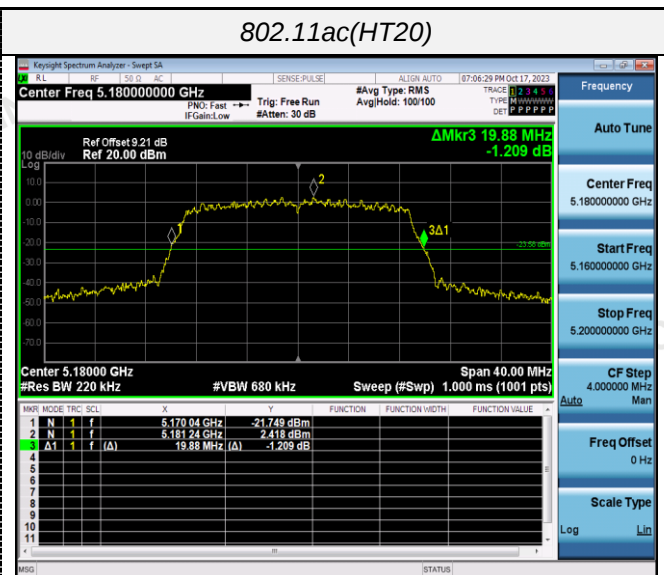
ANT 1



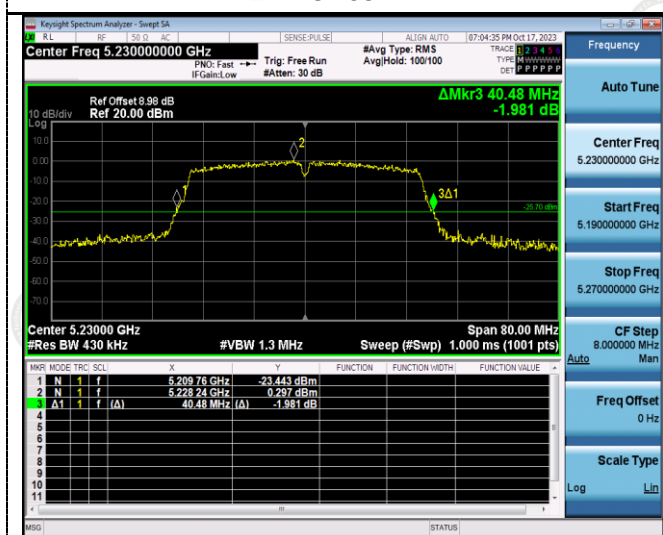
802.11n(HT40)



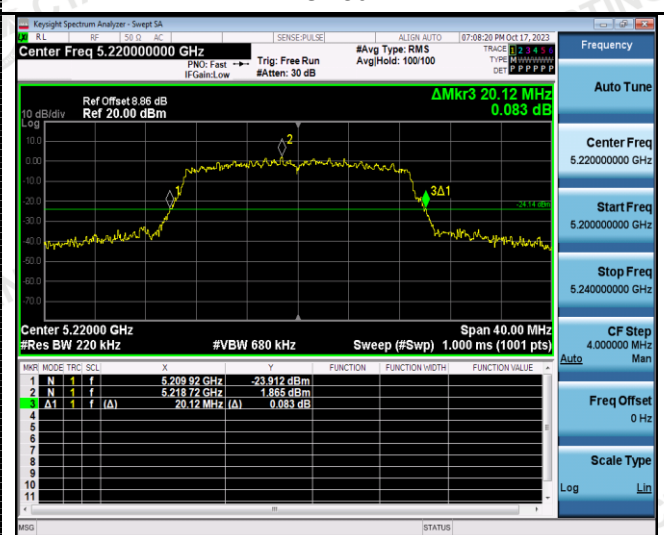
802.11ac(HT20)



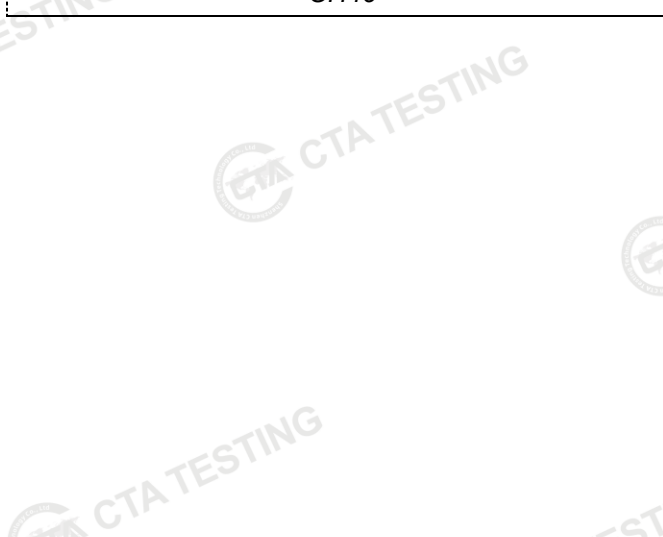
CH38



CH36



CH46

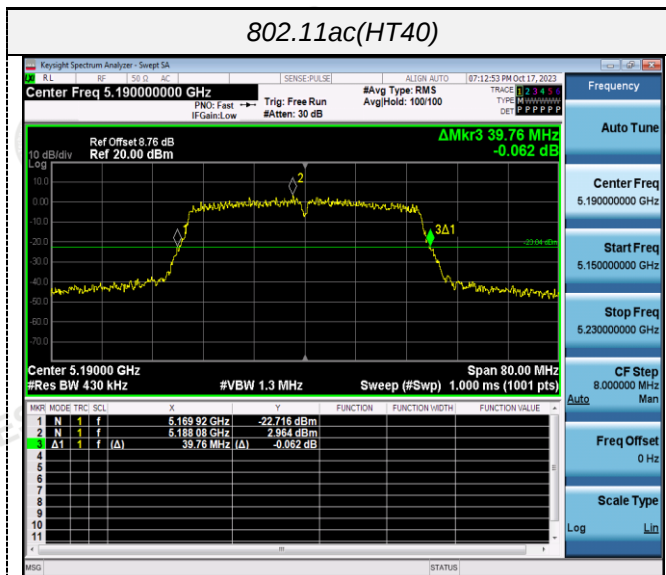


CH40

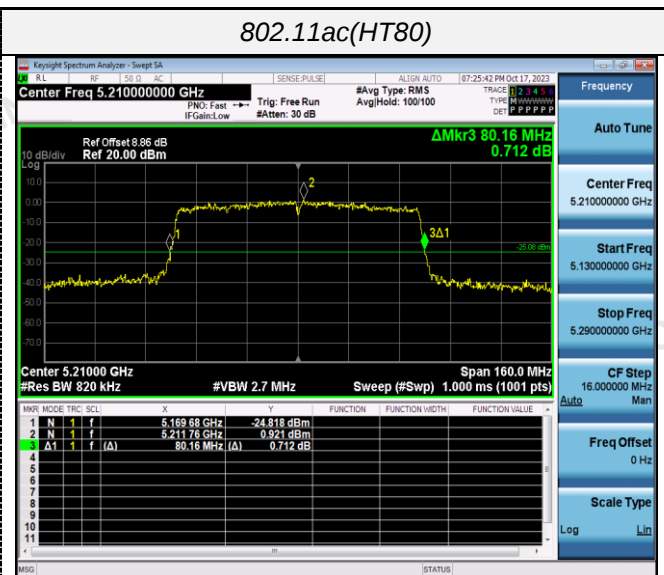


CH48

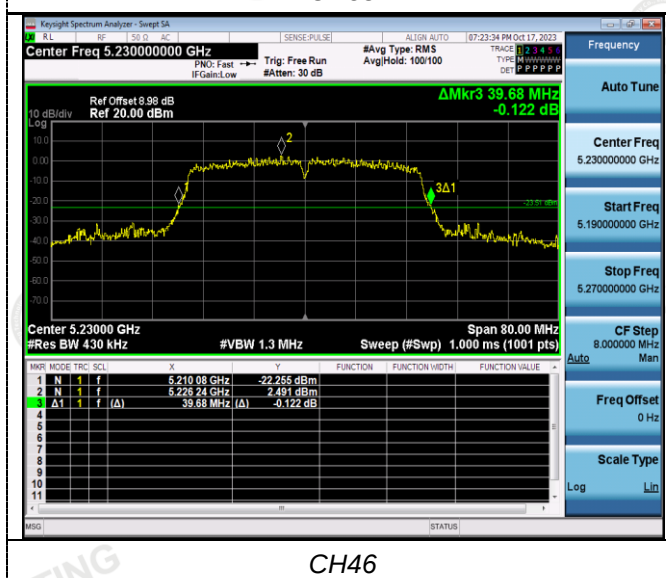
802.11ac(HT40)



802.11ac(HT80)



CH38



CH46

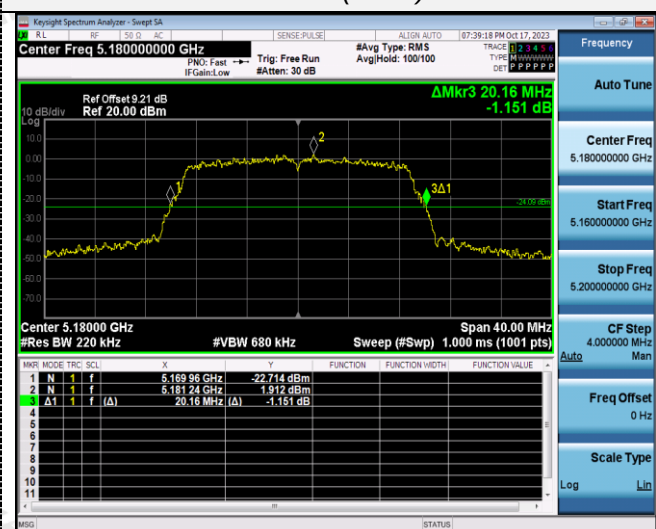
CH42

ANT 2

802.11a



802.11n(HT20)



CH36



CH36



CH40



CH40



CH48

CH48

802.11n(HT40)



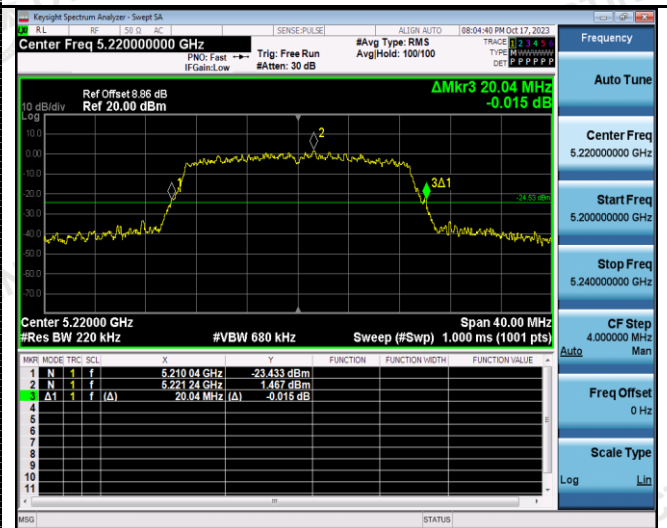
802.11ac(HT20)



CH38



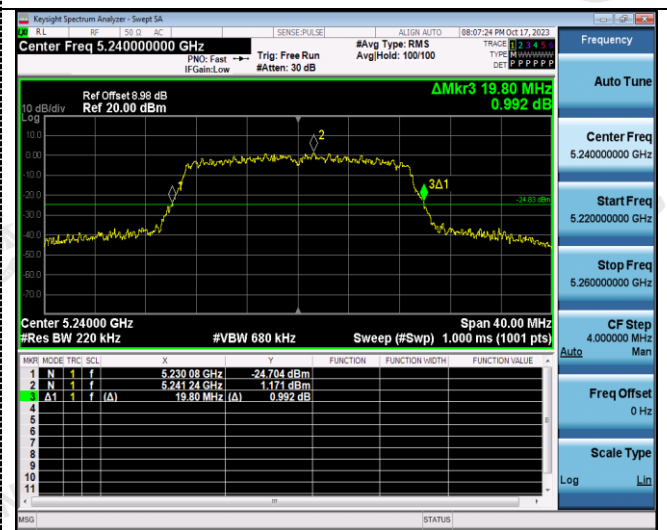
CH36



CH46



CH40



CH48