

802.11n(HT20)

U-NII 1



U-NII 3



CH36



CH149



CH40



CH157



CH48

CH165

802.11n(HT40)

U-NII 1



U-NII 3



CH38



CH151



CH46



CH159



802.11ac(HT20)

U-NII 1



U-NII 3



CH36



CH149



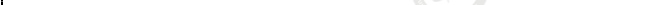
CH40



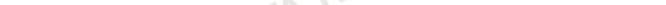
CH157



CH48



CH165



802.11ac(HT40)

U-NII 1



U-NII 3



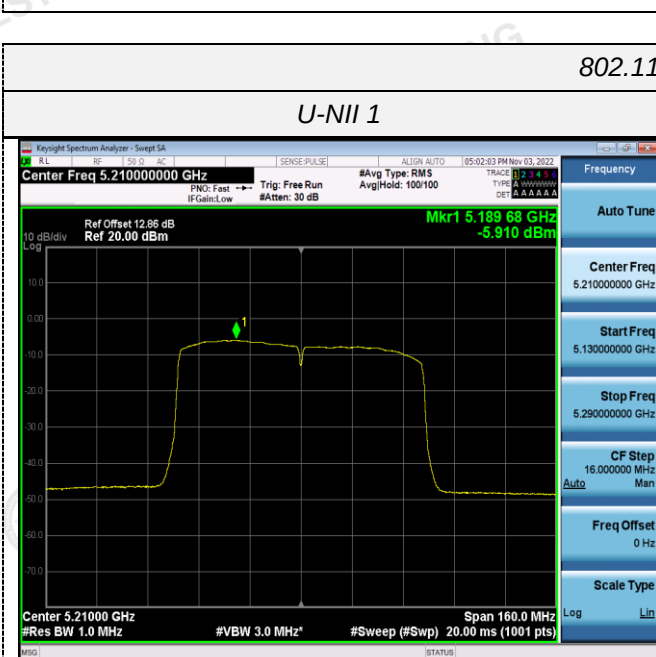
CH38



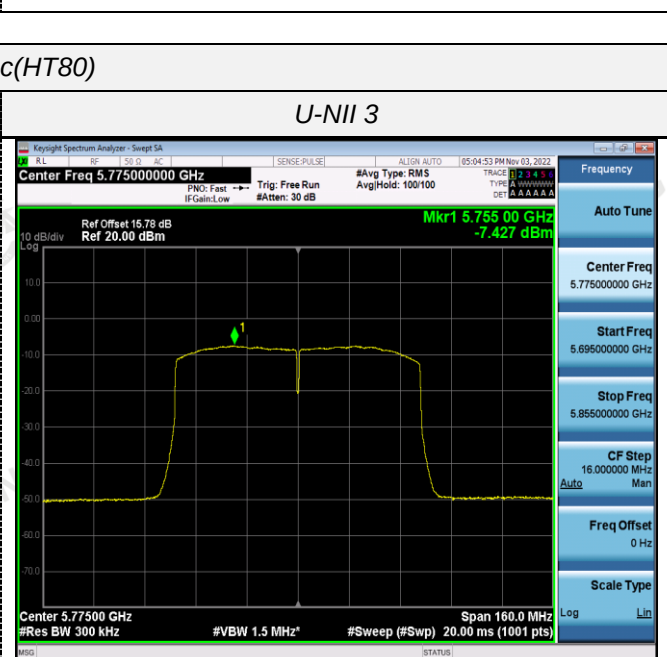
CH151



CH46

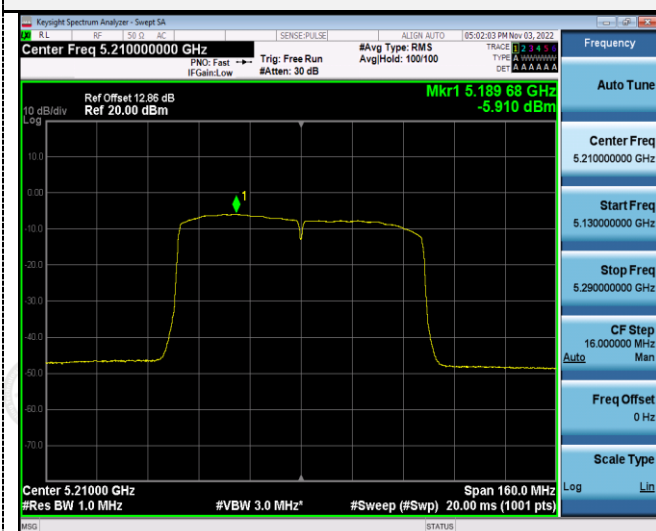


CH159

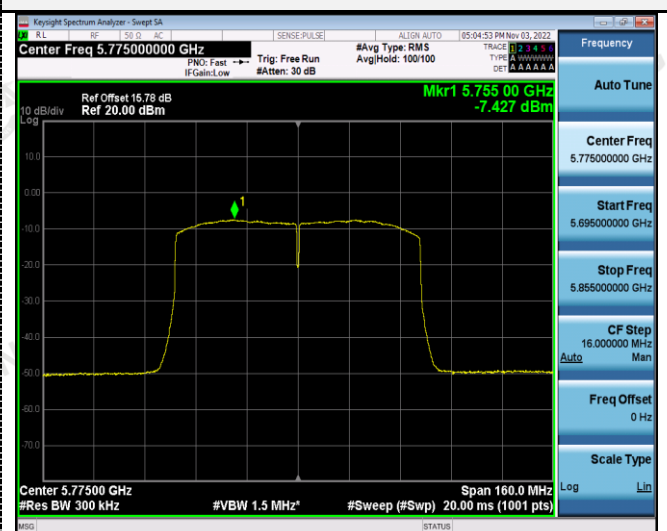


802.11ac(HT80)

U-NII 1



U-NII 3



CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

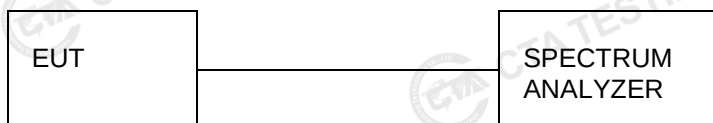
Limit

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

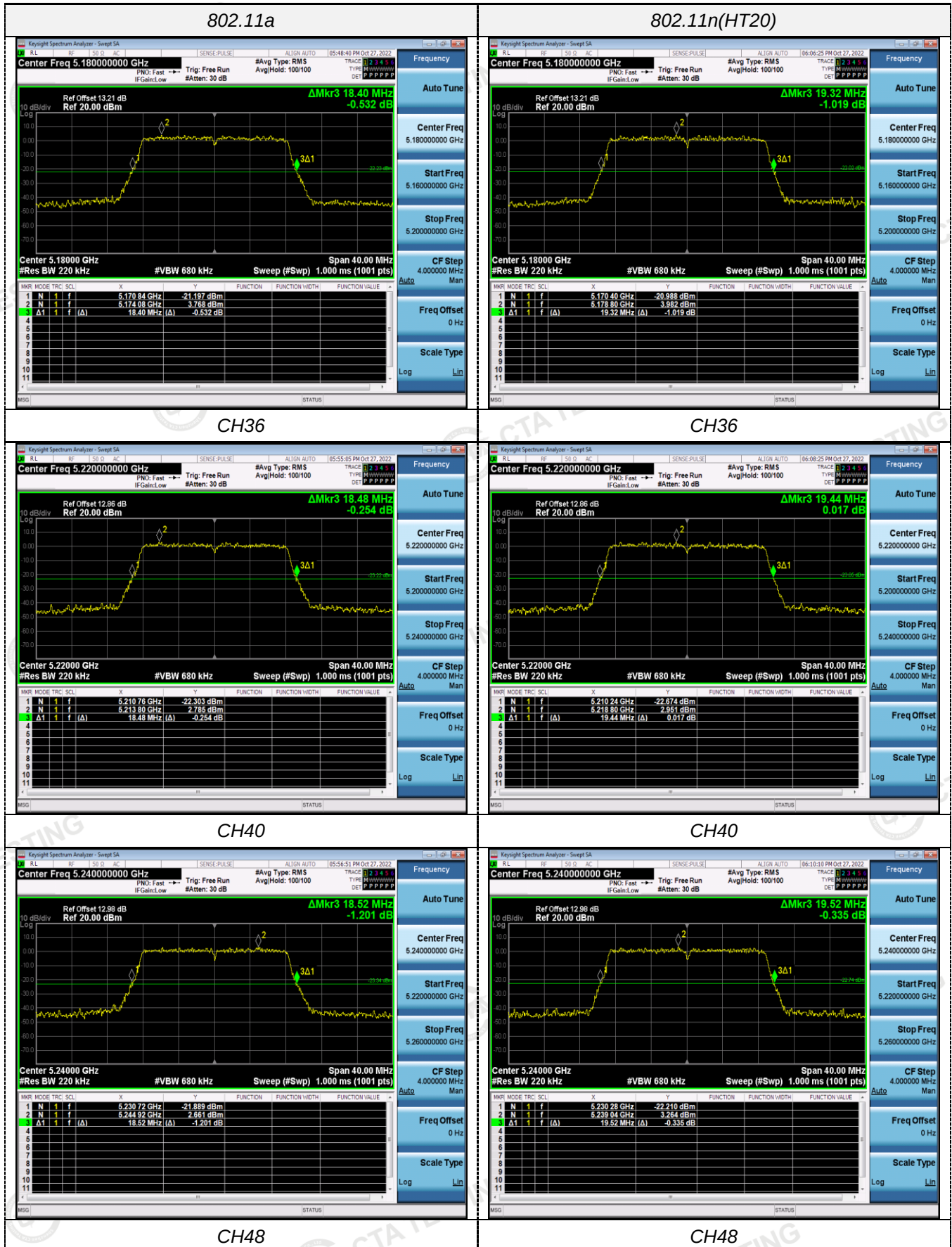
C	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.400	N/A	Pass
		40	18.480		
		48	18.520		
802.11n(HT20)	U-NII 1	36	19.320		
		40	19.440		
		48	19.520		
802.11n(HT40)	U-NII 1	38	40.880		
		46	40.320		
802.11ac(HT20)	U-NII 1	36	19.240		
		40	19.400		
		48	19.400		
802.11ac(HT40)	U-NII 1	38	40.560		
		46	41.120		
802.11ac(HT80)	U-NII 1	42	80.800		

ANT 2

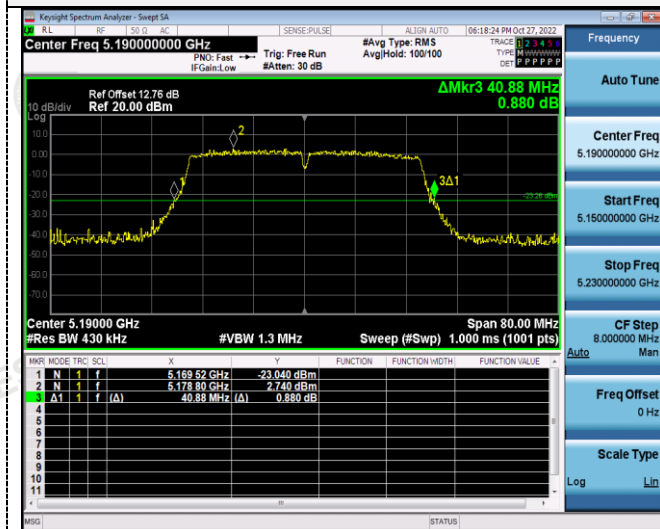
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.320	N/A	Pass
		40	18.240		
		48	18.360		
802.11n(HT20)	U-NII 1	36	19.400		
		40	19.400		
		48	19.440		
802.11n(HT40)	U-NII 1	38	40.400		
		46	40.800		
802.11ac(HT20)	U-NII 1	36	19.520		
		40	19.400		
		48	19.440		
802.11ac(HT40)	U-NII 1	38	40.800		
		46	40.960		
802.11ac(HT80)	U-NII 1	42	80.480		

Test plot as follows:

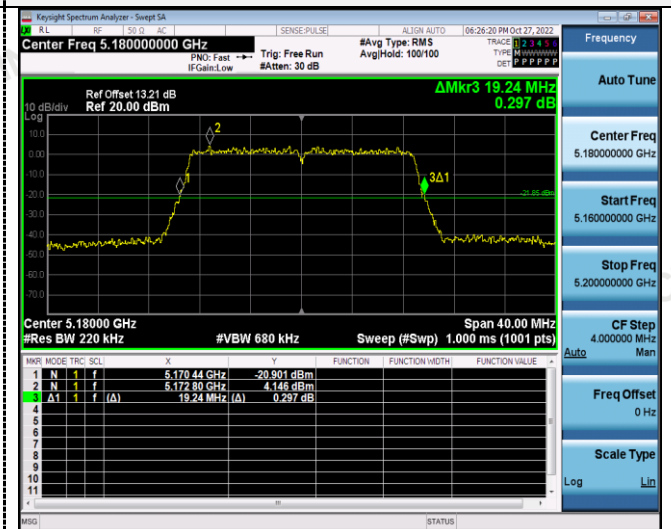
ANT 1



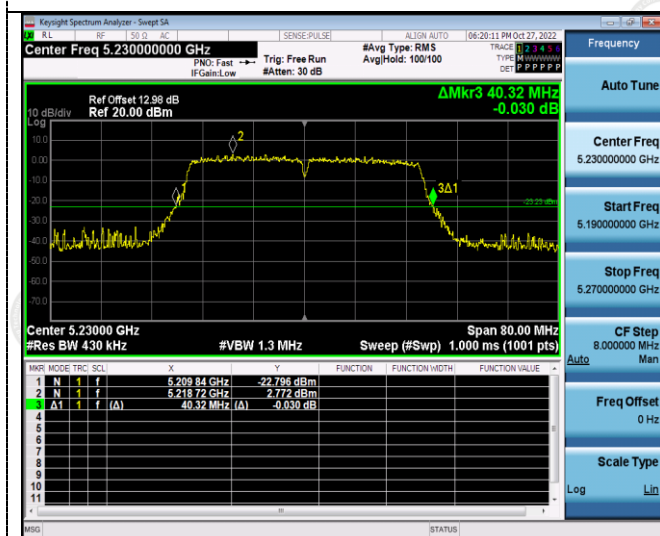
802.11n(HT40)



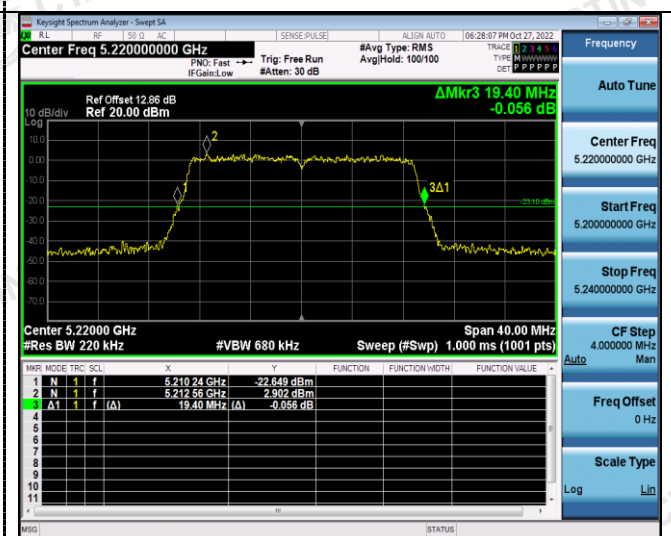
802.11ac(HT20)



CH38



CH36



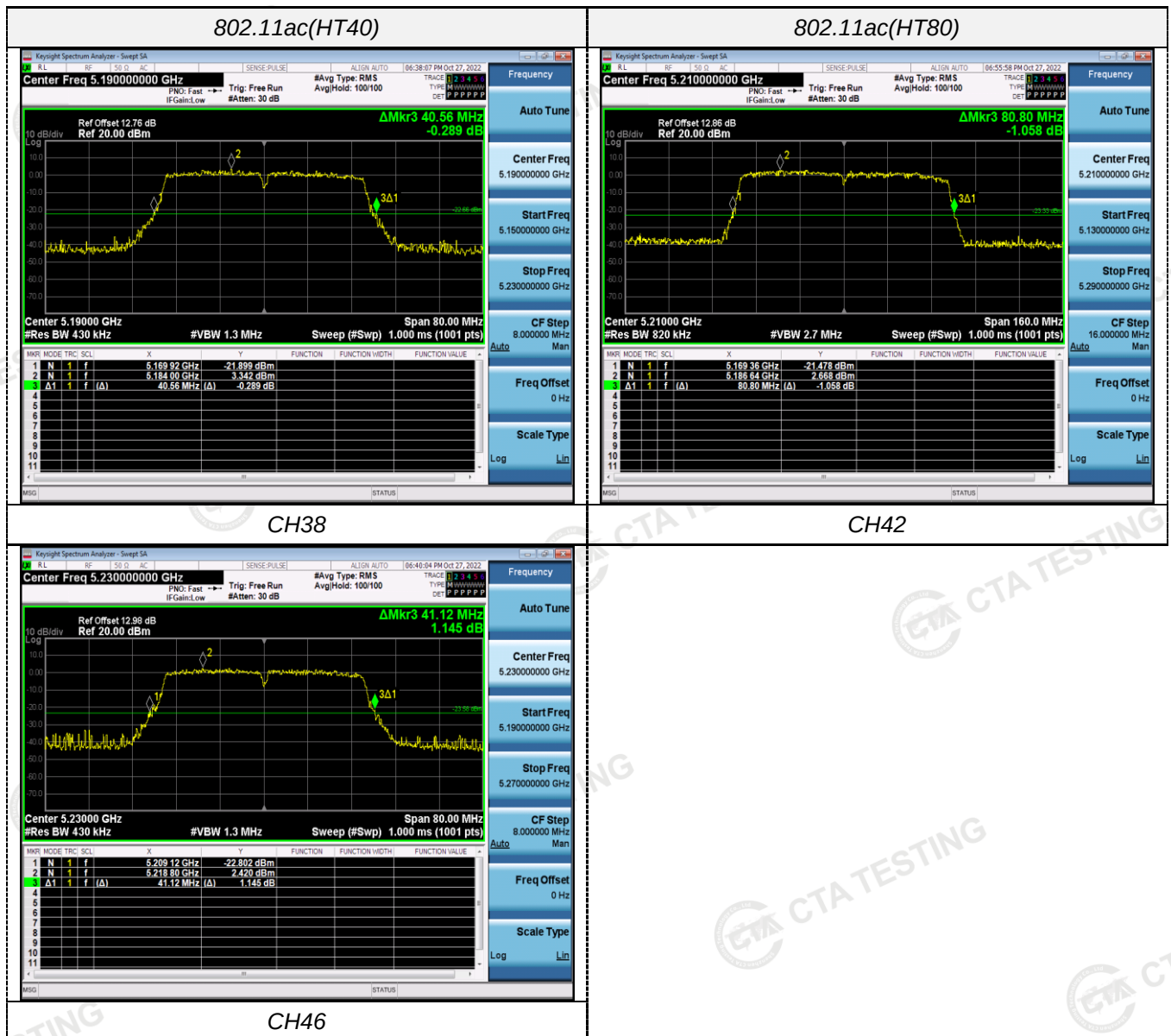
CH46



CH40



CH48

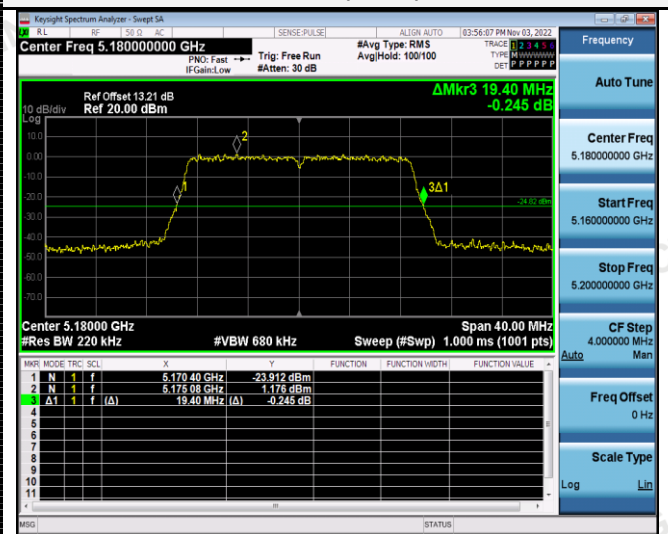


ANT 2

802.11a

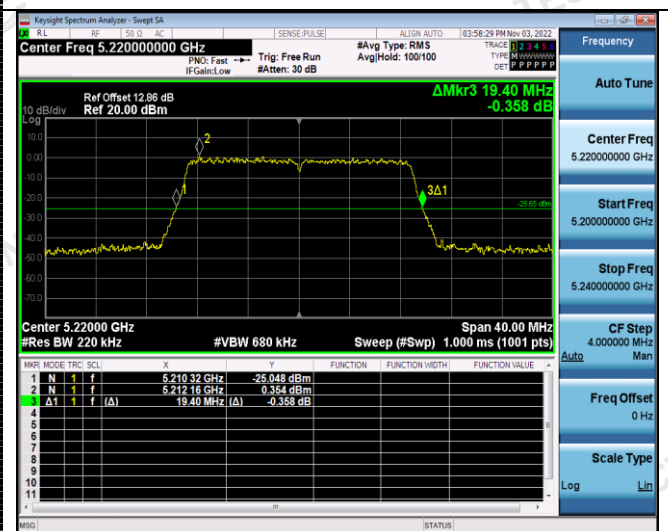
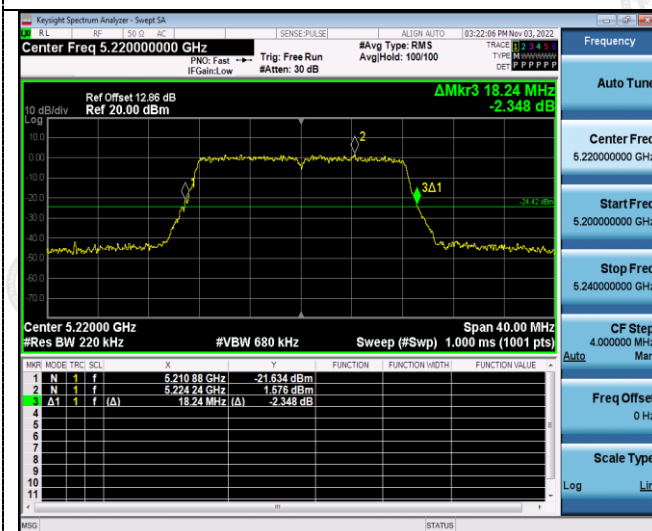


802.11n(HT20)



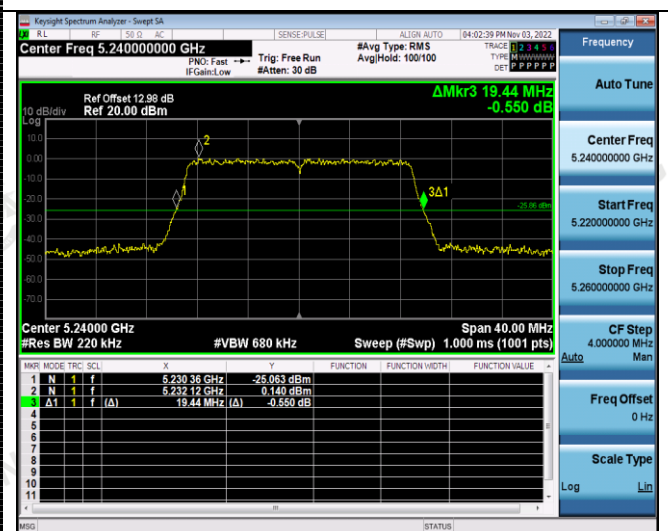
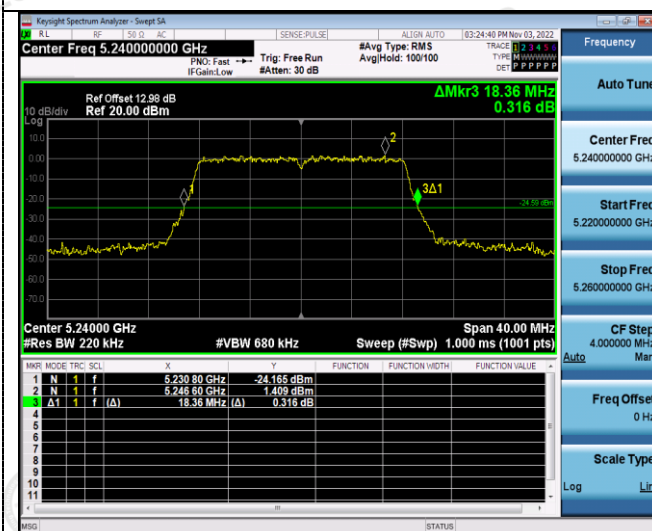
CH36

CH36



CH40

CH40



CH48

CH48