

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)

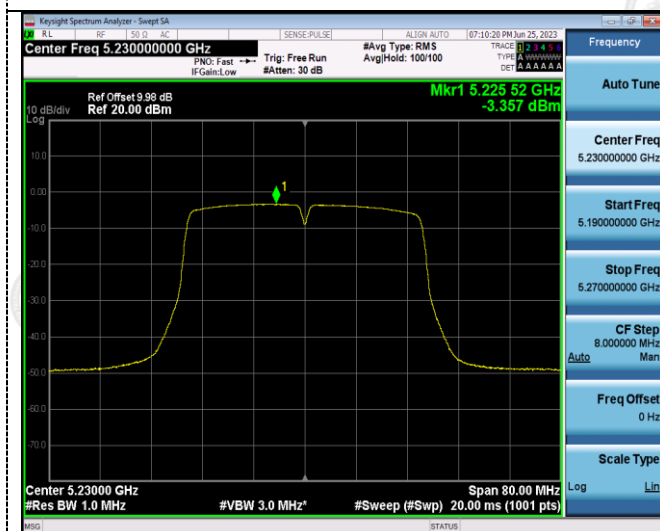
U-NII 1



U-NII 3



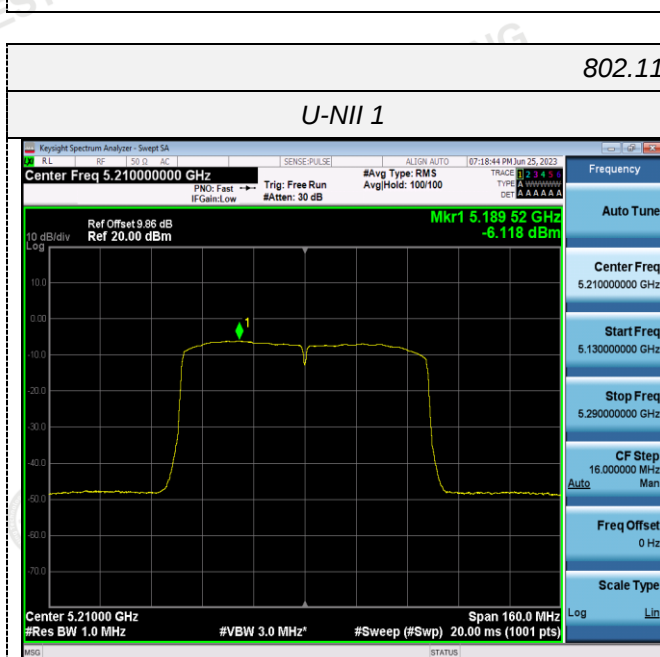
CH38



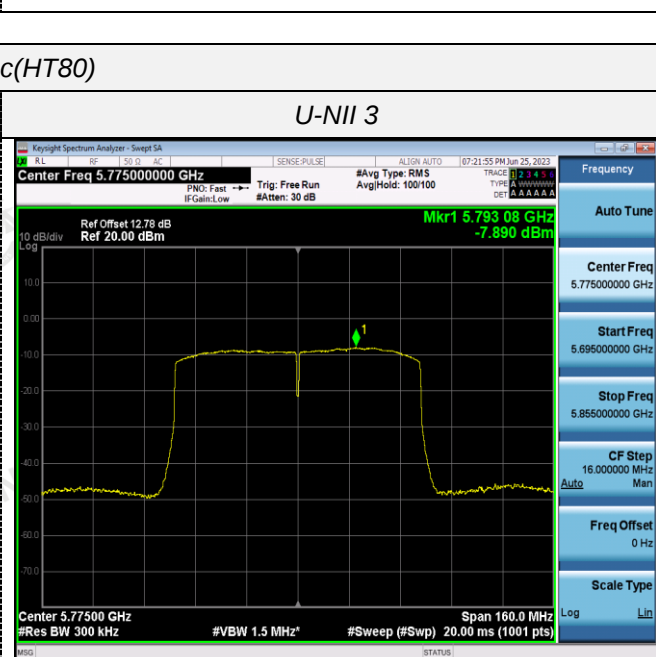
CH151



CH46

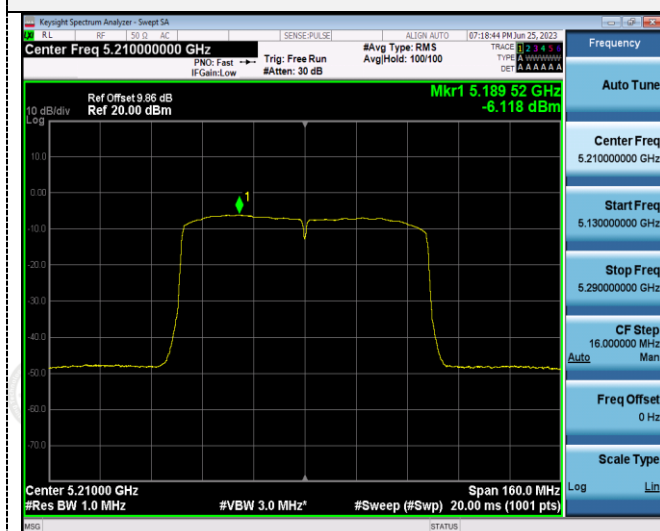


CH159



802.11ac(HT80)

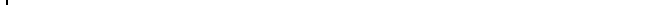
U-NII 1



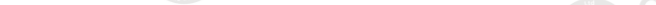
U-NII 3



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

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.480	N/A	Pass
		44	18.440		
		48	18.320		
802.11n(HT20)	U-NII 1	36	19.440		
		44	19.440		
		48	19.480		
802.11n(HT40)	U-NII 1	38	40.720		
		46	41.040		
802.11ac(HT20)	U-NII 1	36	19.440		
		44	19.440		
		48	19.480		
802.11ac(HT40)	U-NII 1	38	41.040		
		46	40.400		
802.11ac(HT80)	U-NII 1	42	81.280		

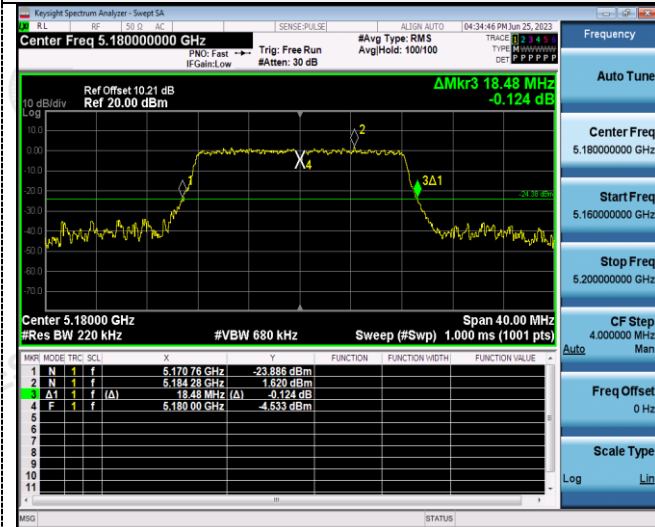
ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	18.360	N/A	Pass
		44	18.480		
		48	18.640		
802.11n(HT20)	U-NII 1	36	19.400		
		44	19.480		
		48	19.440		
802.11n(HT40)	U-NII 1	38	41.200		
		46	40.640		
802.11ac(HT20)	U-NII 1	36	19.480		
		44	19.480		
		48	19.440		
802.11ac(HT40)	U-NII 1	38	40.720		
		46	40.800		
802.11ac(HT80)	U-NII 1	42	81.440		

Test plot as follows:

ANT 1

802.11a



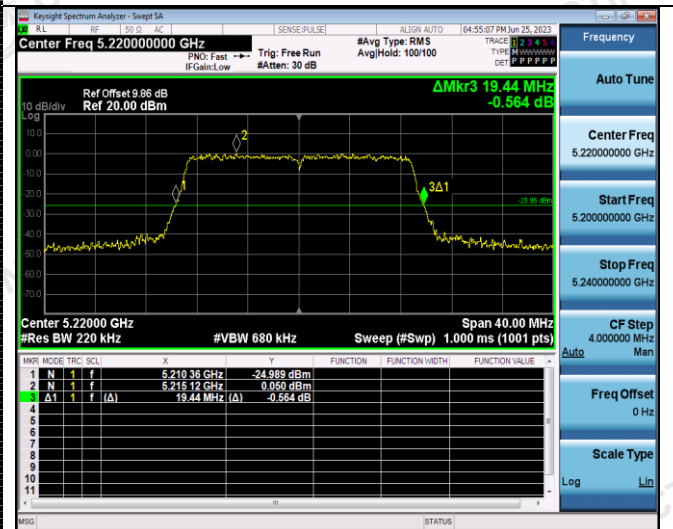
802.11n(HT20)



CH36



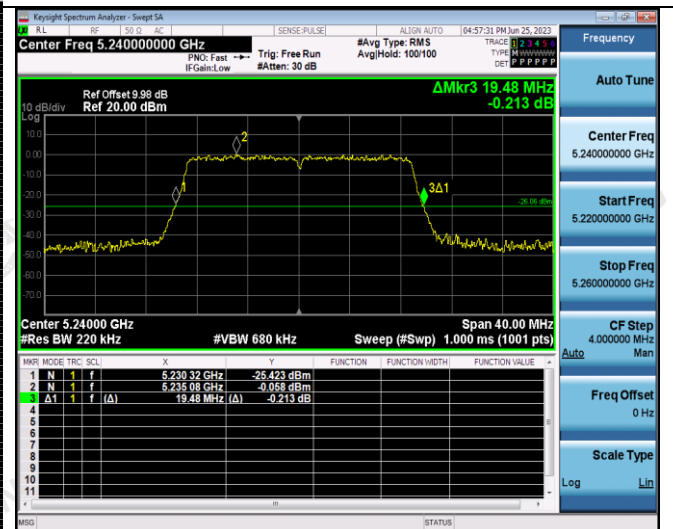
CH36



CH40



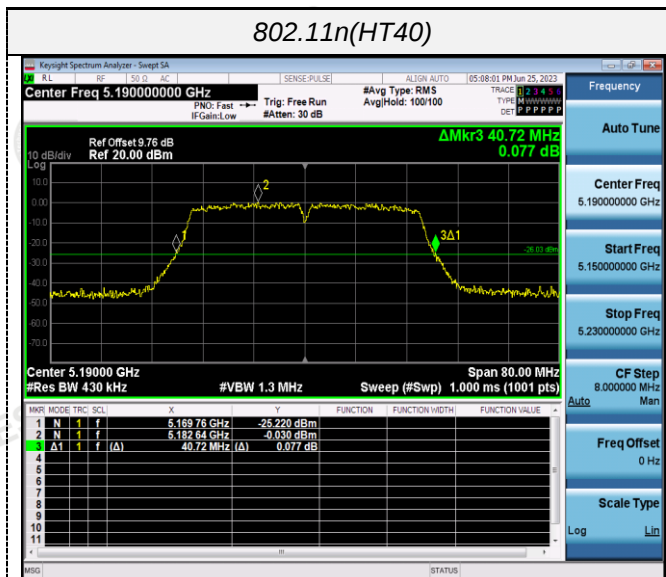
CH40



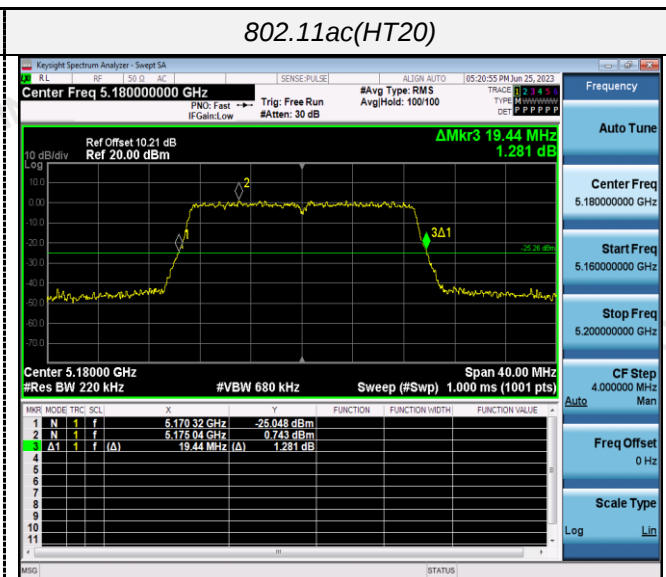
CH48

CH48

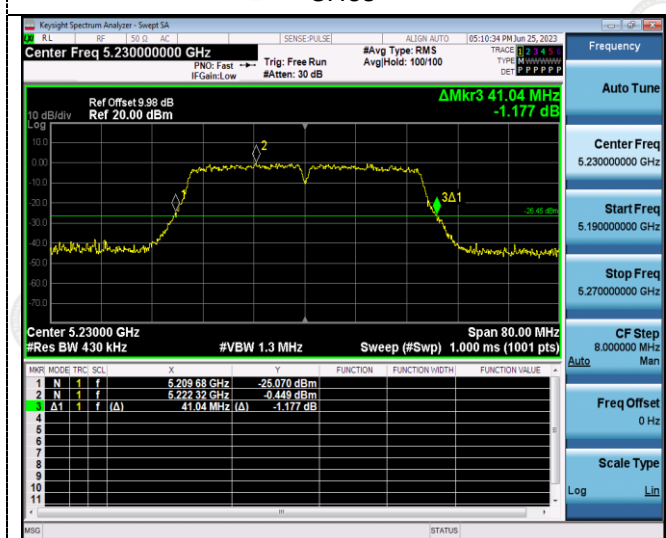
802.11n(HT40)



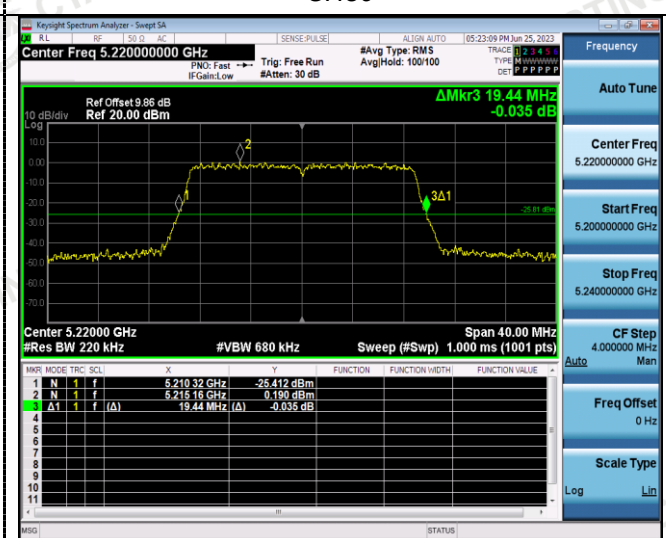
802.11ac(HT20)



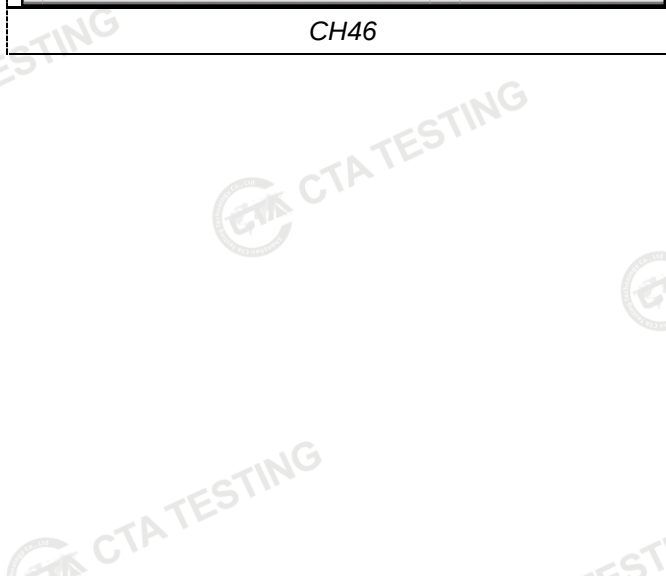
CH38



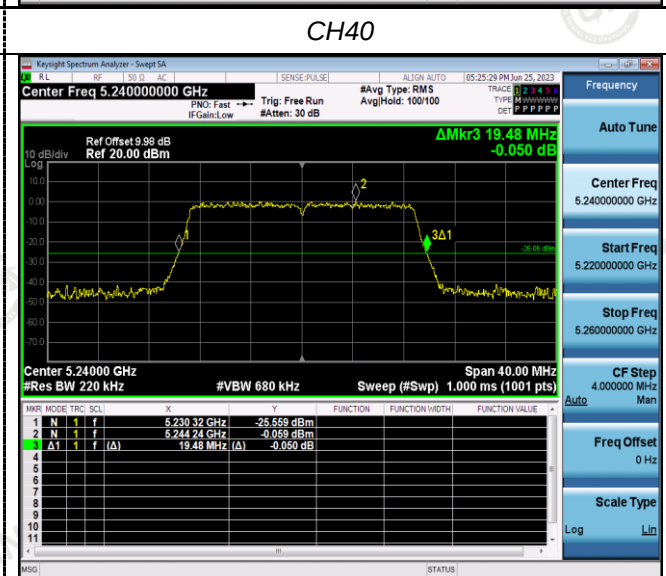
CH36



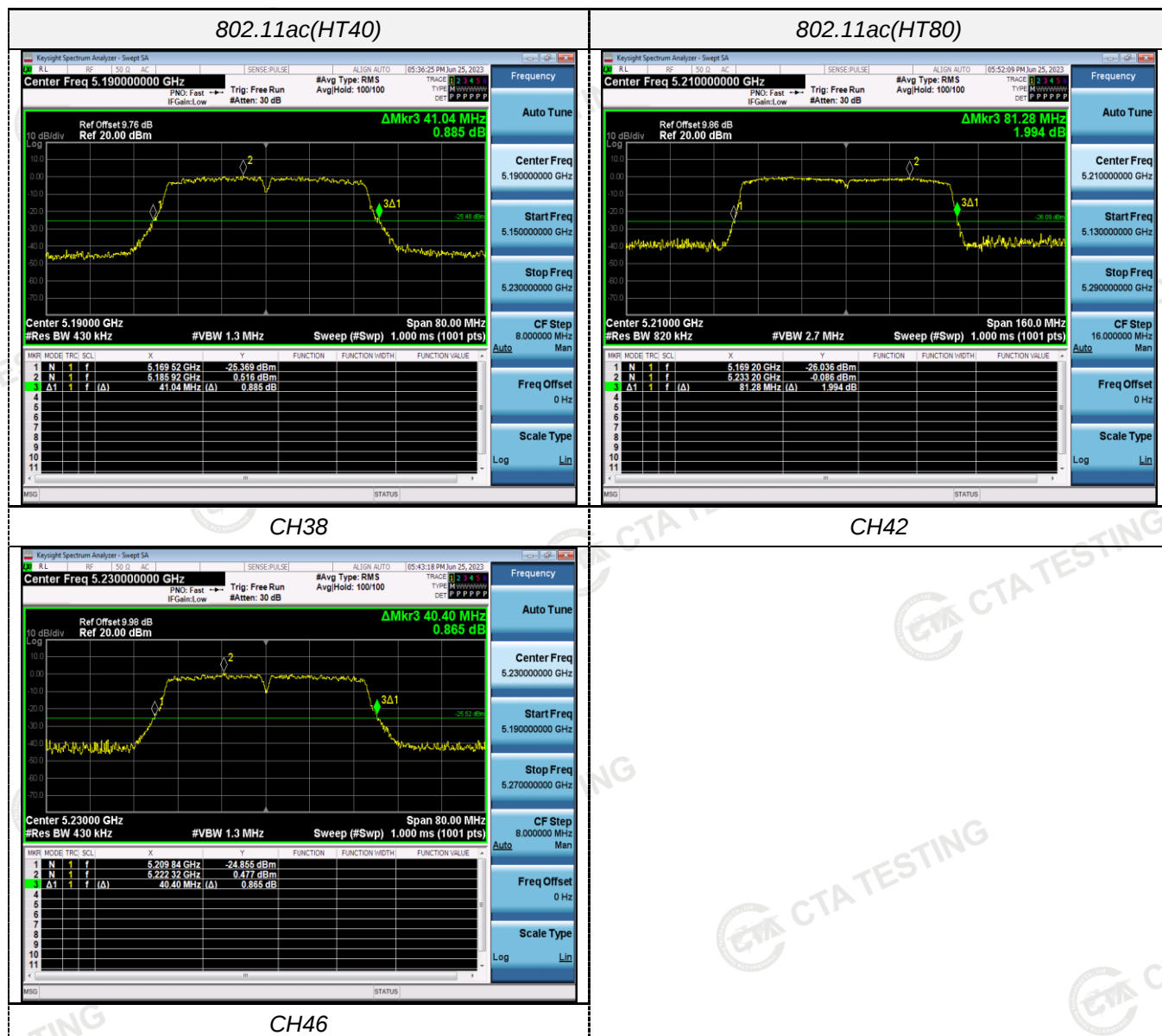
CH46



CH40

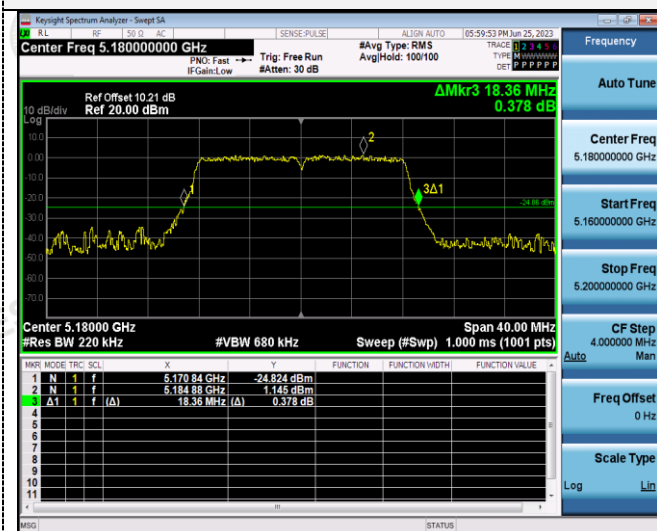


CH48

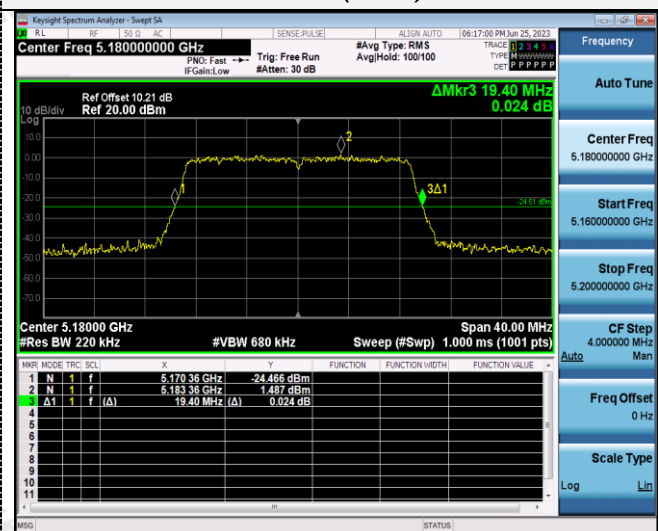


ANT 2

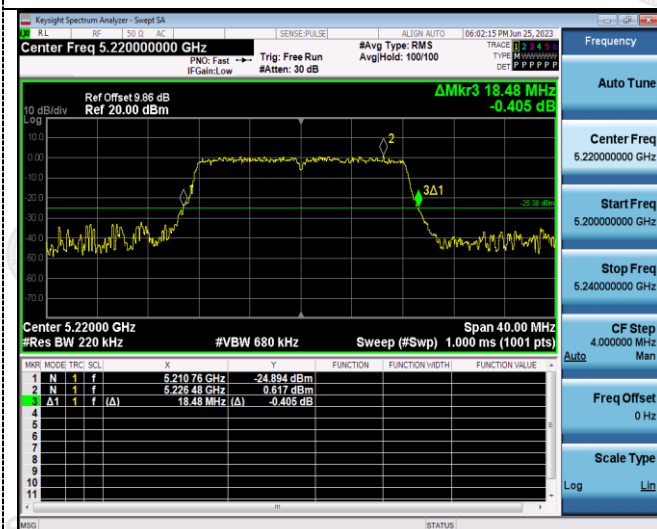
802.11a



802.11n(HT20)



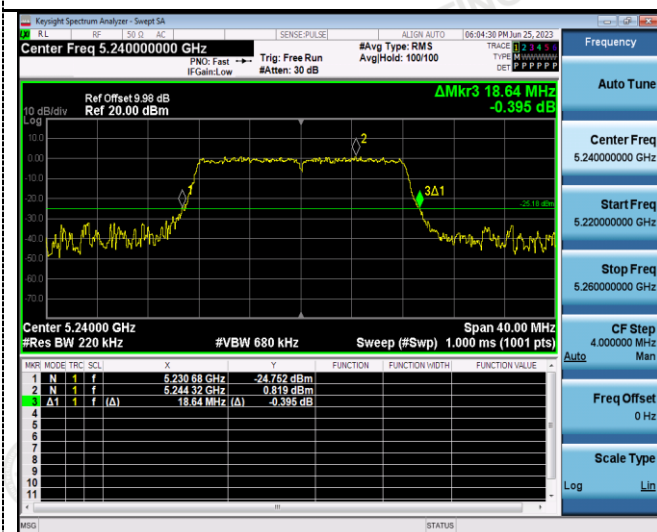
CH36



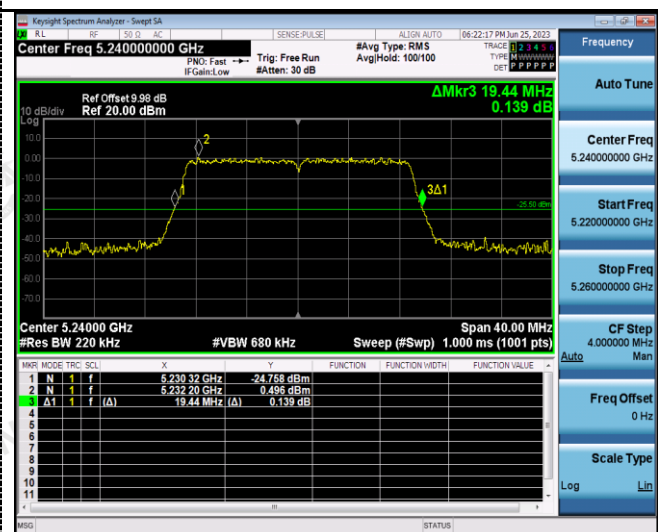
CH36



CH40



CH40



CH48

CH48