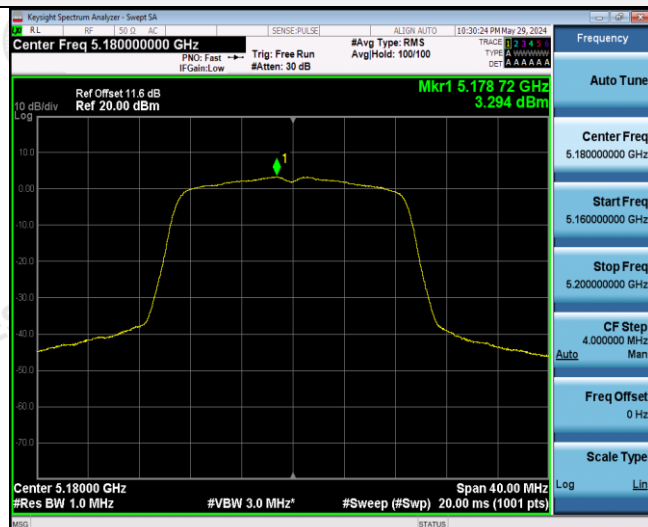


802.11n(HT20)

U-NII 1



U-NII 3



CH36



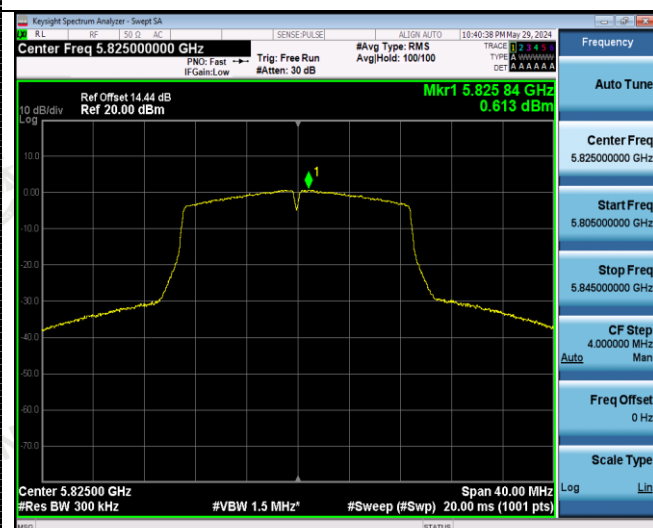
CH149



CH40



CH157

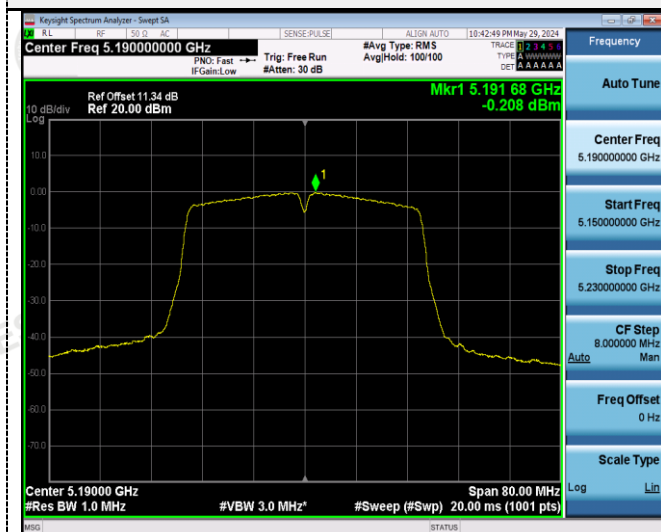


CH48

CH165

802.11n(HT40)

U-NII 1



U-NII 3



CH38



CH151



CH46

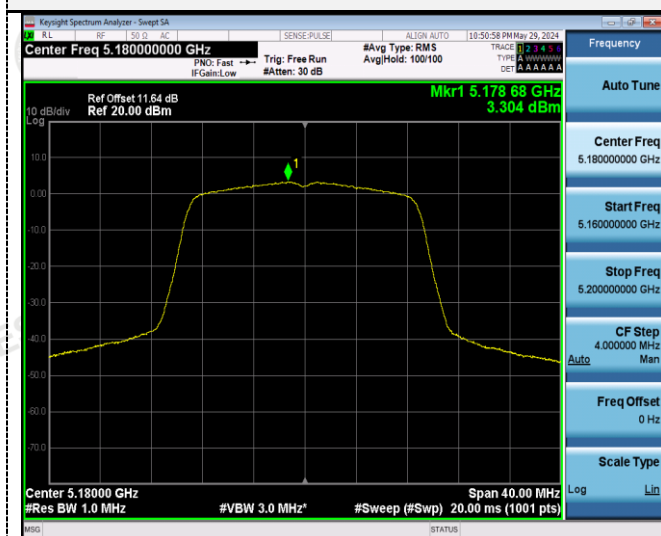


CH159



802.11ac(HT20)

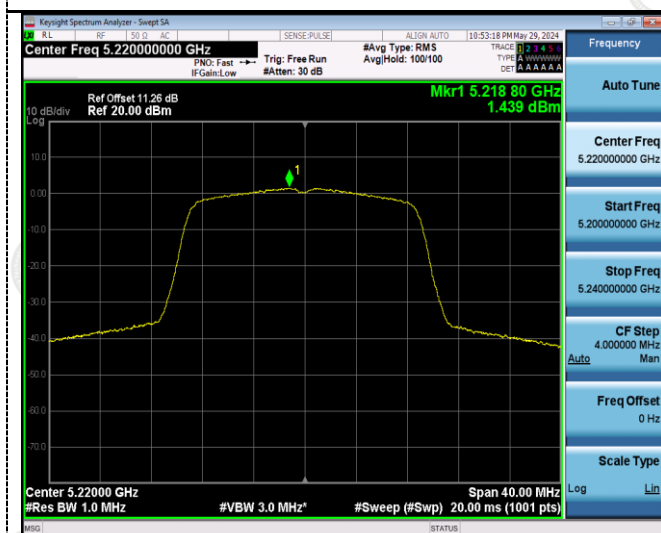
U-NII 1



U-NII 3



CH36



CH149



CH40



CH157

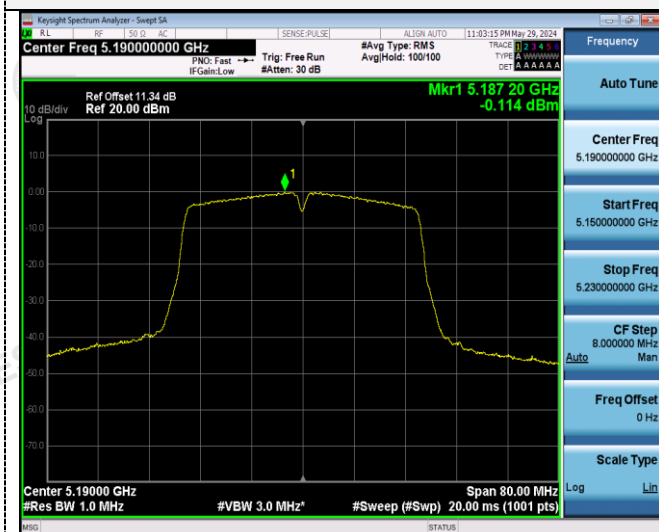


CH48

CH165

802.11ac(HT40)

U-NII 1



U-NII 3



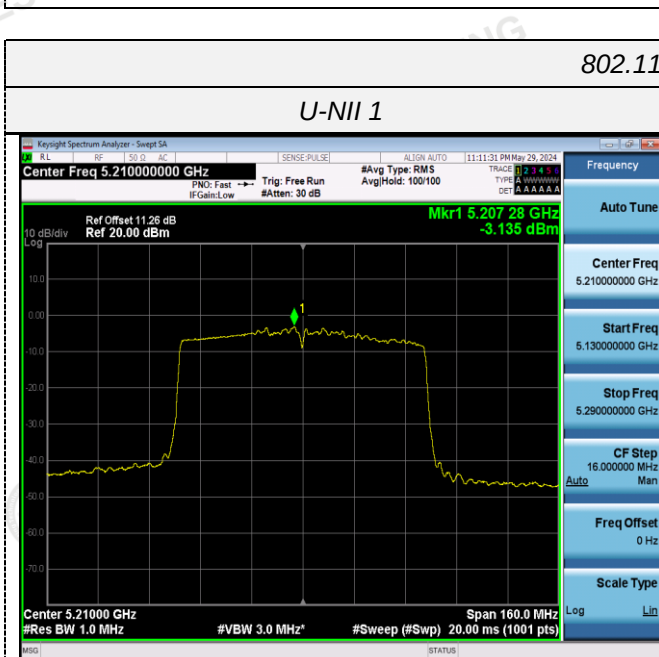
CH38



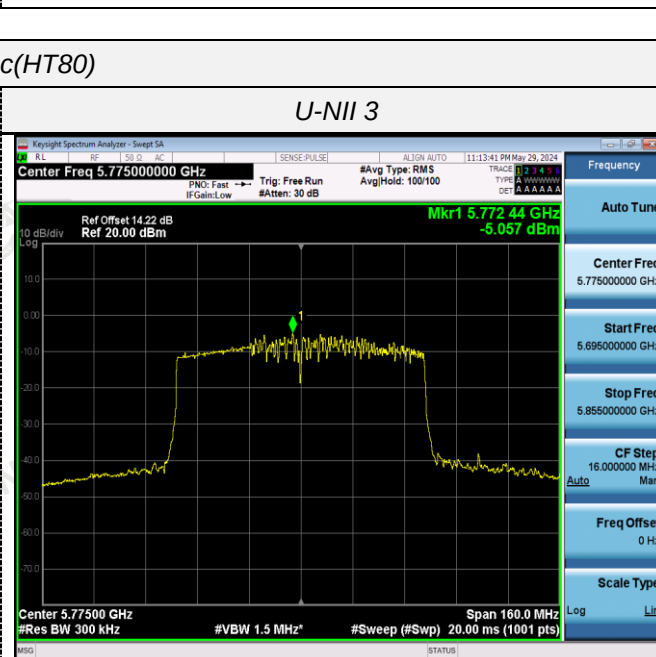
CH151



CH46



CH159



CH42

CH155

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Tel: +86-755 2322 5875 E-mail: cta@cta-test.cn Web: http://www.cta-test.cn

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

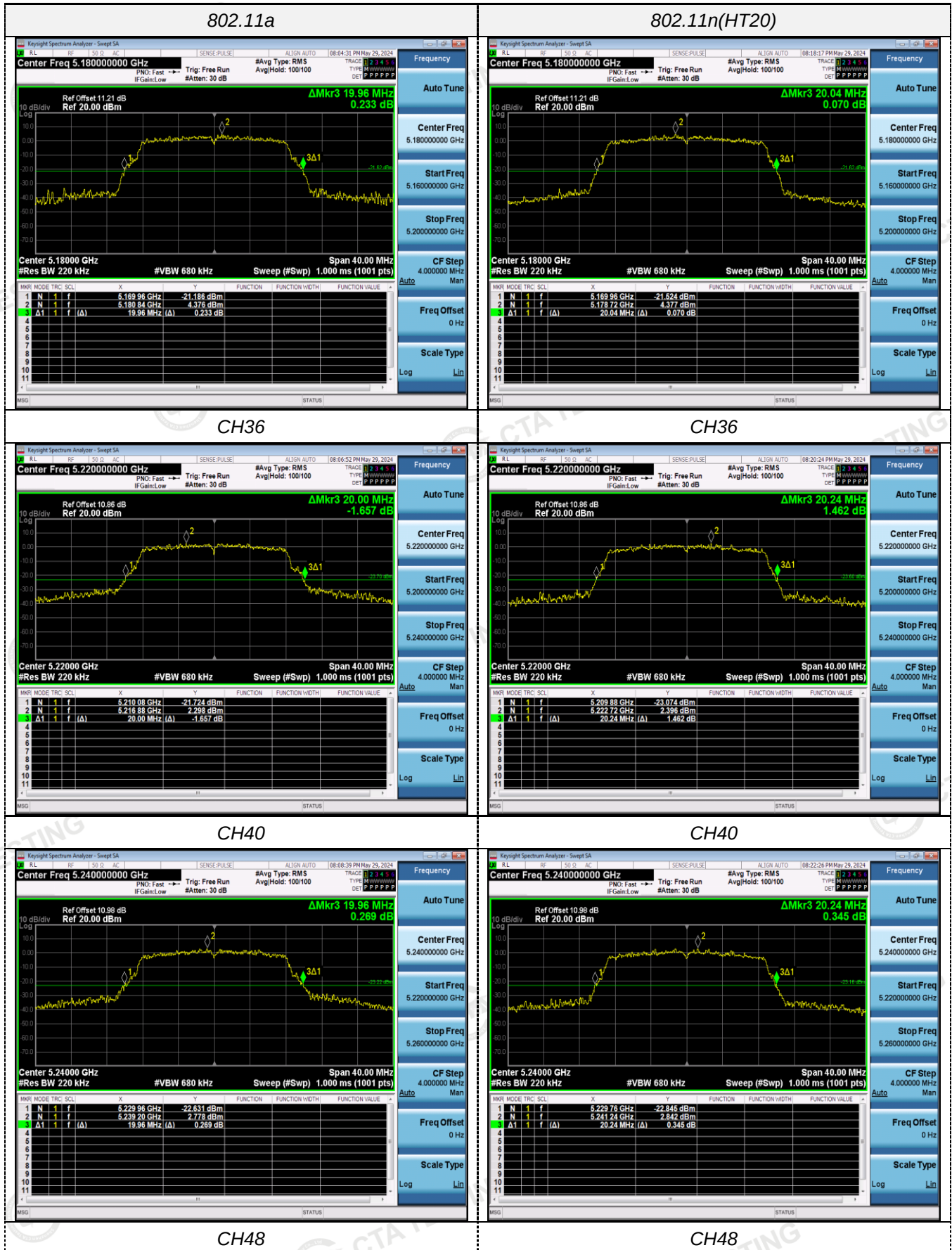
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.960	N/A	Pass
		44	20.000		
		48	19.960		
802.11n(HT20)	U-NII 1	36	20.040		
		44	20.240		
		48	20.240		
802.11n(HT40)	U-NII 1	38	40.560		
		46	40.560		
802.11ac(HT20)	U-NII 1	36	20.080		
		44	20.280		
		48	19.920		
802.11ac(HT40)	U-NII 1	38	40.560		
		46	40.640		
802.11ac(HT80)	U-NII 1	42	81.120		

ANT 2

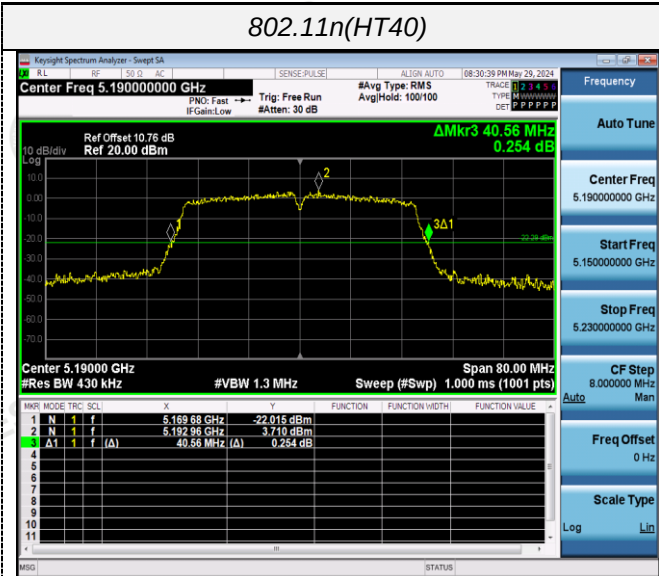
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.800	N/A	Pass
		44	20.080		
		48	20.000		
802.11n(HT20)	U-NII 1	36	20.120		
		44	20.280		
		48	20.200		
802.11n(HT40)	U-NII 1	38	40.240		
		46	40.800		
802.11ac(HT20)	U-NII 1	36	20.000		
		44	20.200		
		48	19.880		
802.11ac(HT40)	U-NII 1	38	40.640		
		46	40.320		
802.11ac(HT80)	U-NII 1	42	84.000		

Test plot as follows:

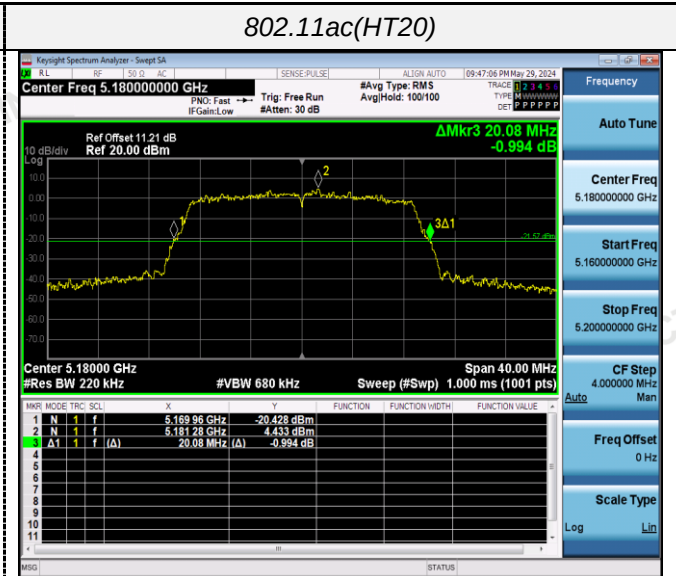
ANT 1



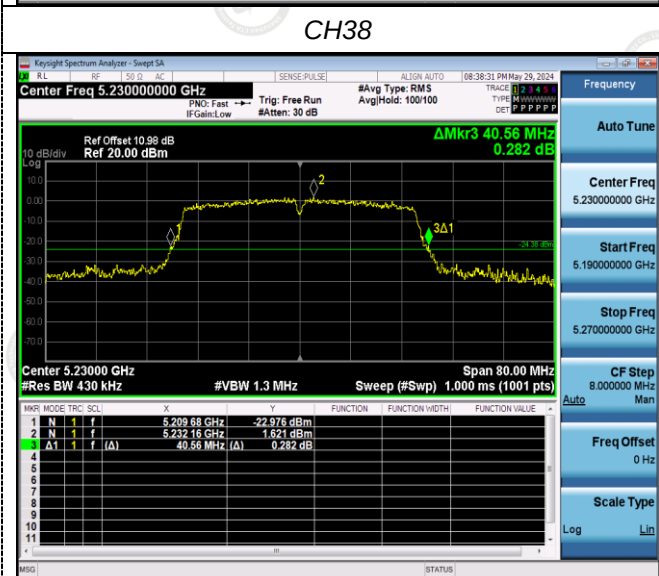
802.11n(HT40)



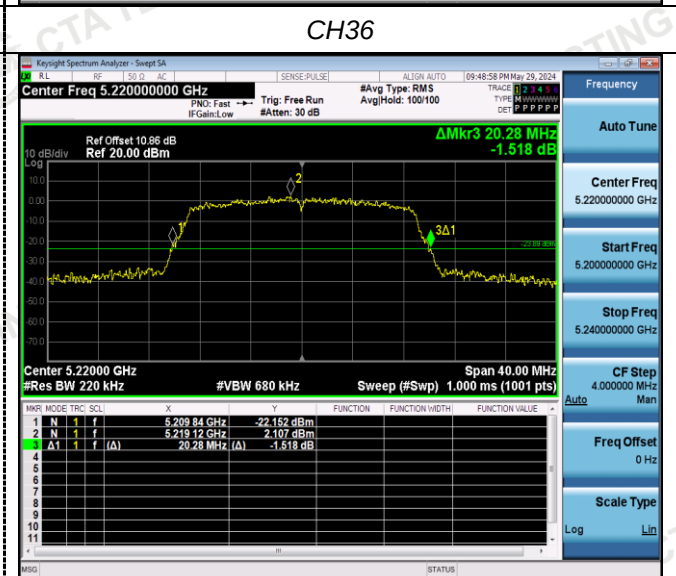
802.11ac(HT20)



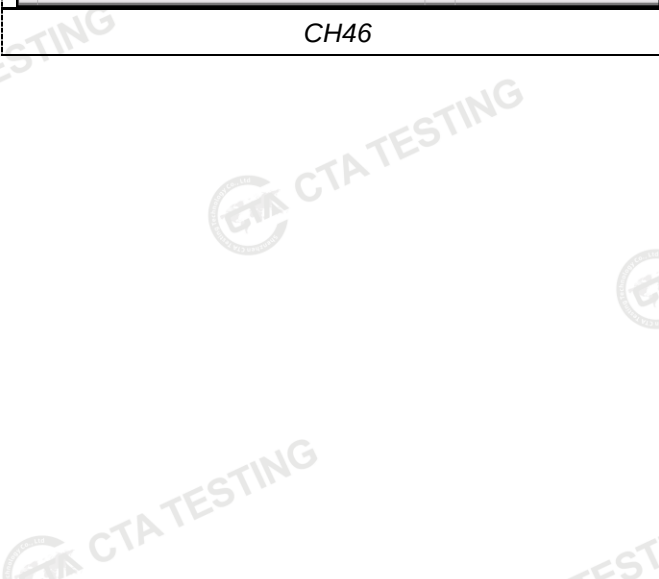
CH38



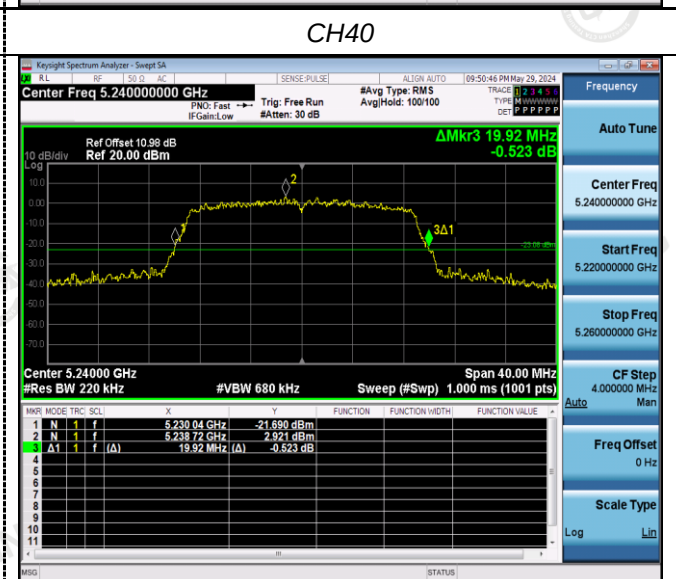
CH36



CH46

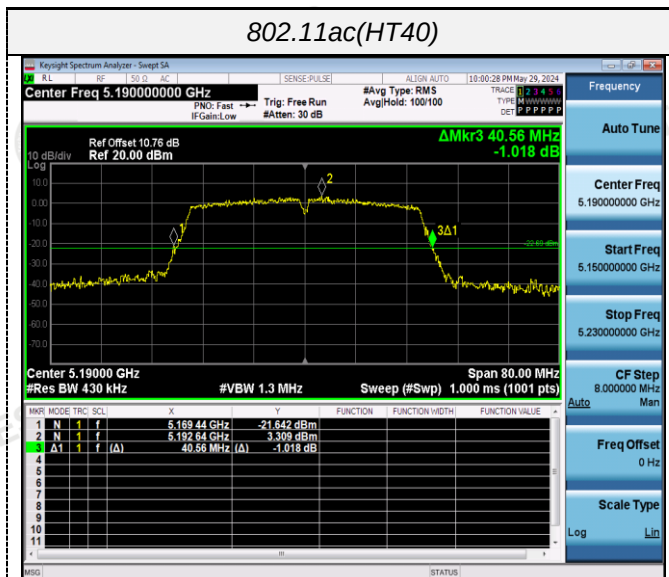


CH40

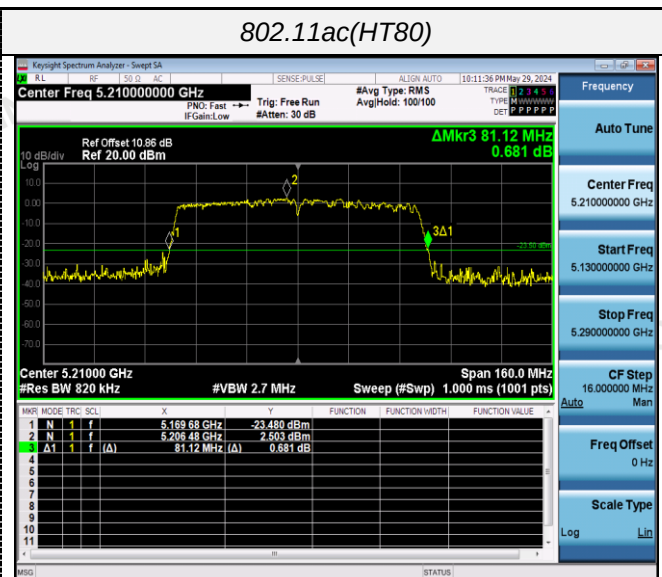


CH48

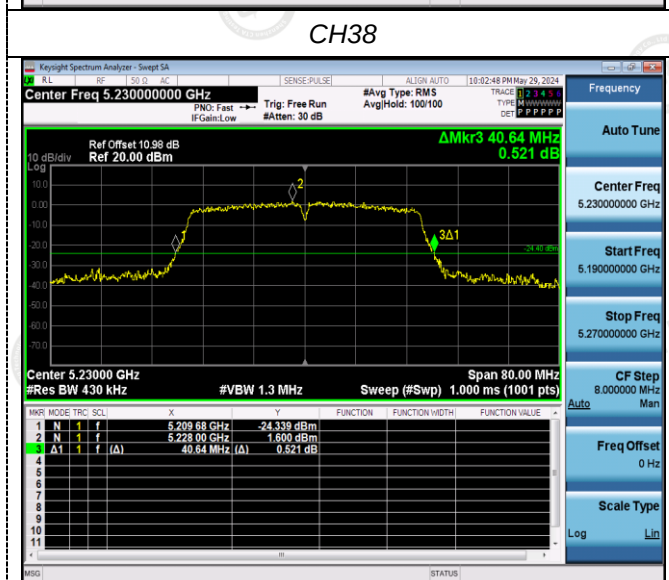
802.11ac(HT40)



802.11ac(HT80)



CH38



CH42

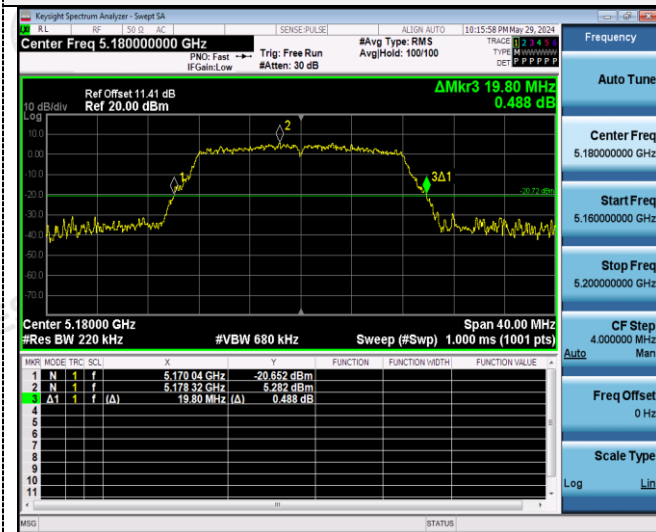


CH46



ANT 2

802.11a



802.11n(HT20)



CH36



CH36



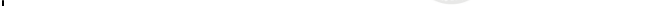
CH40



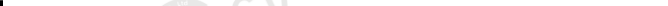
CH40



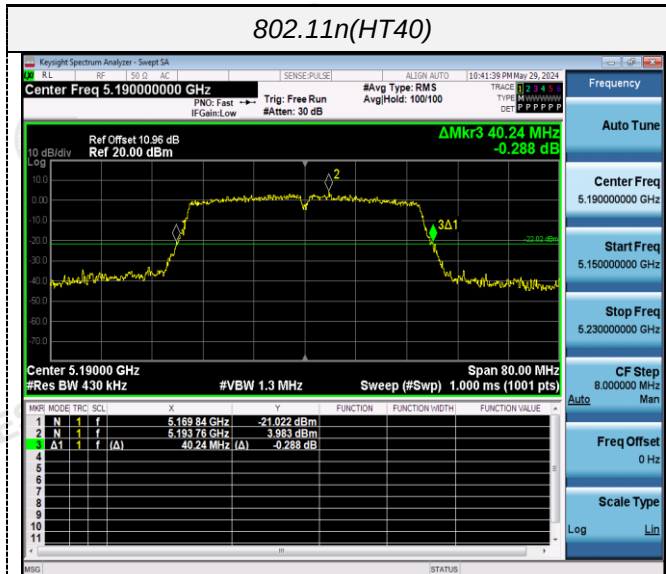
CH48



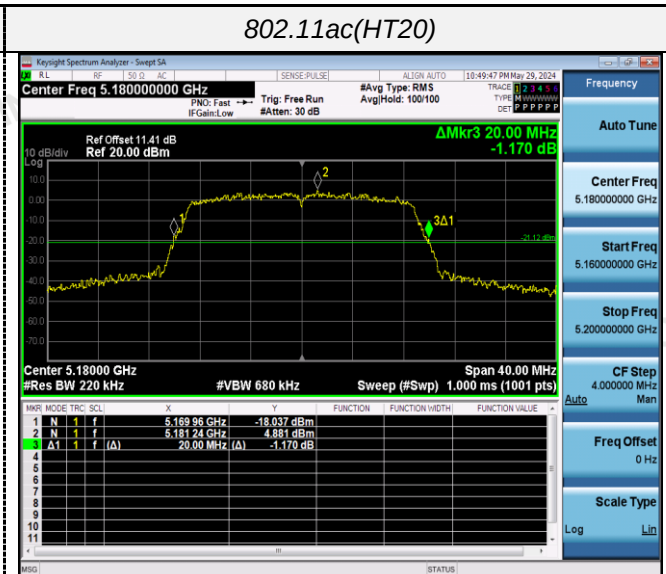
CH48



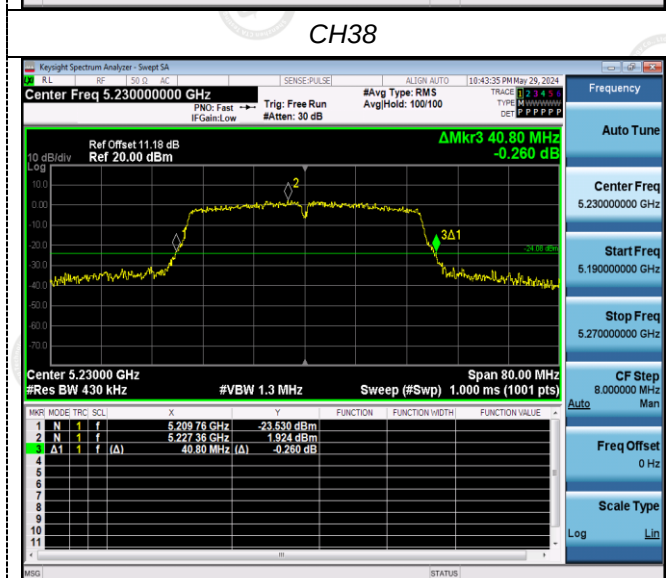
802.11n(HT40)



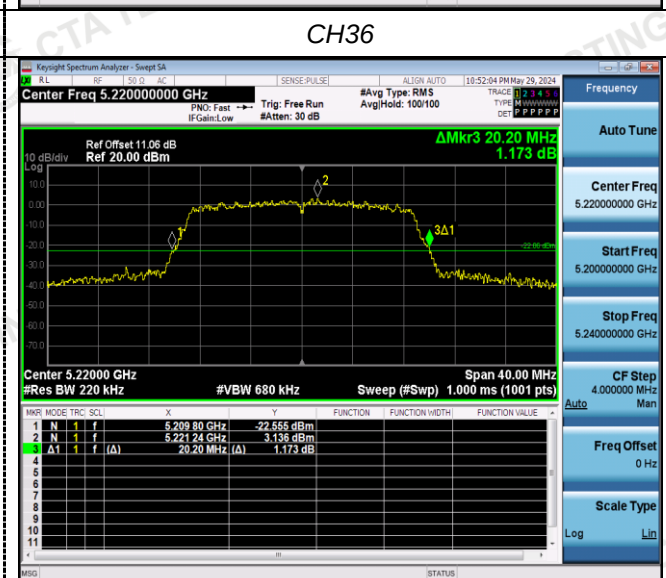
802.11ac(HT20)



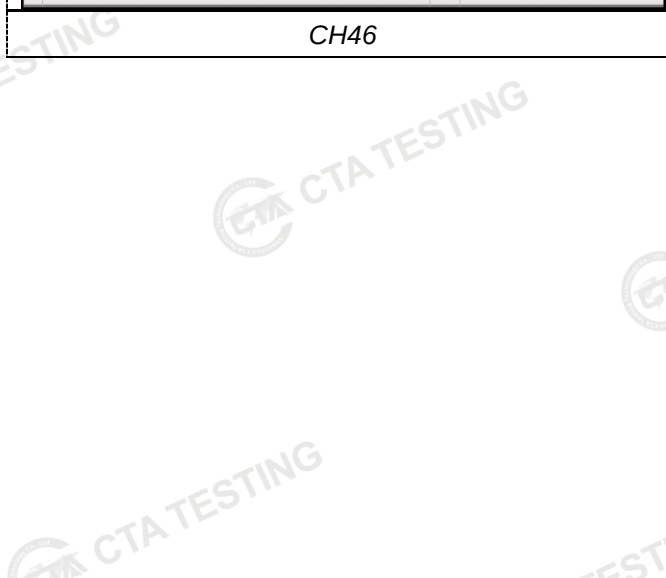
CH38



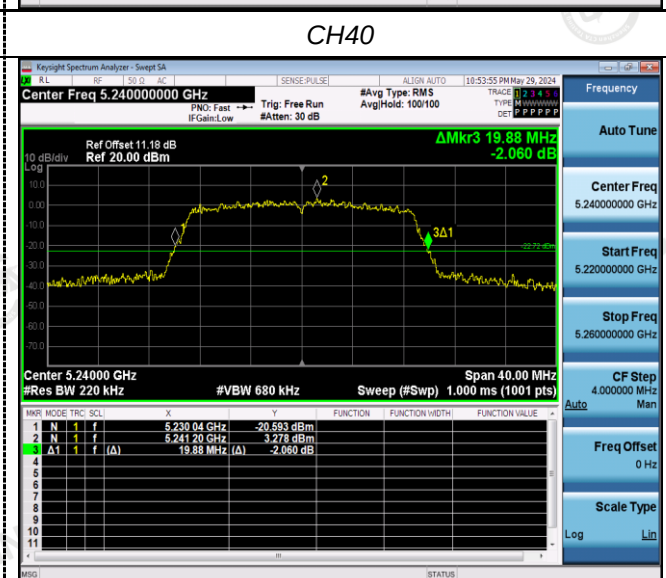
CH36



CH46



CH40



CH48