

802.11n(HT20)

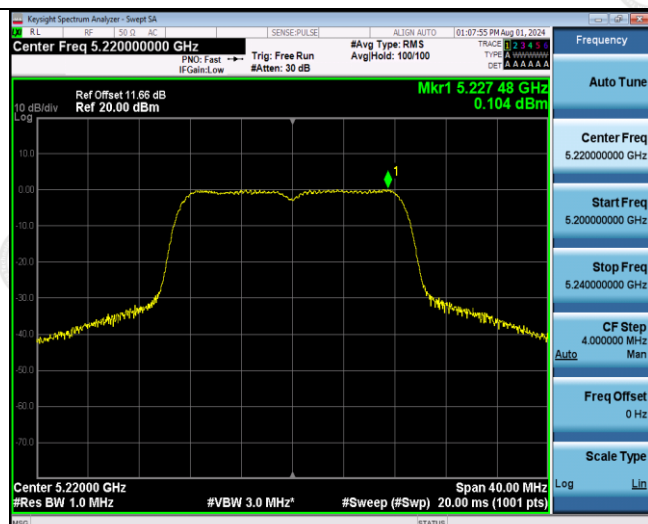
U-NII 1



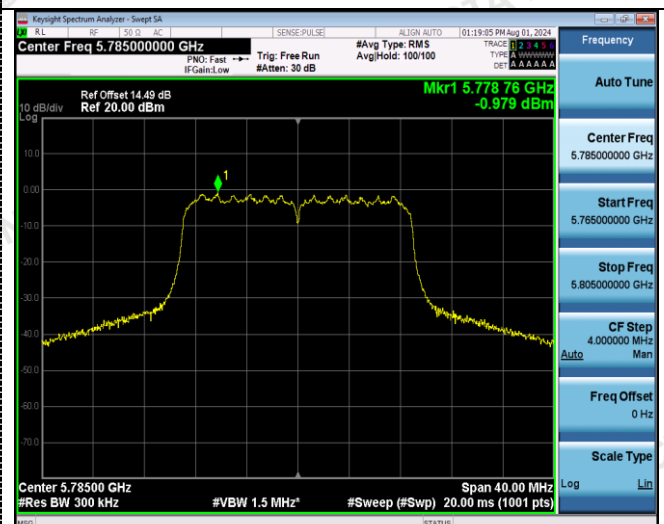
U-NII 3



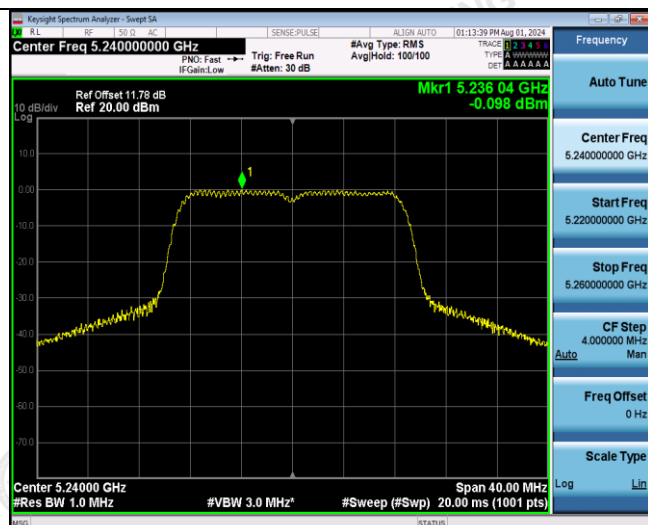
CH36



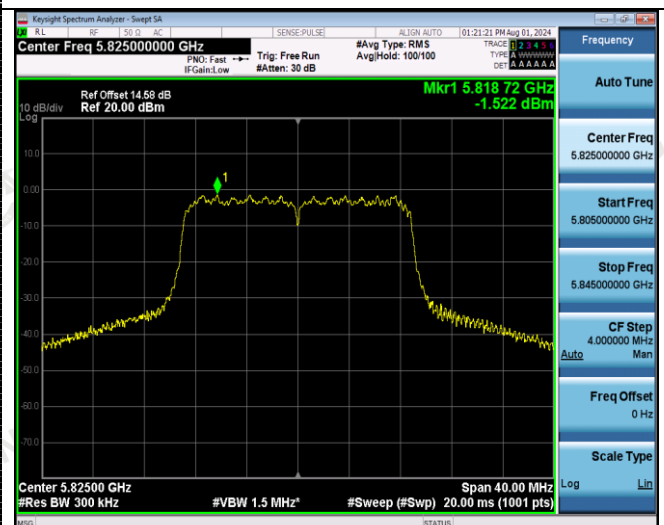
CH149



CH40



CH157

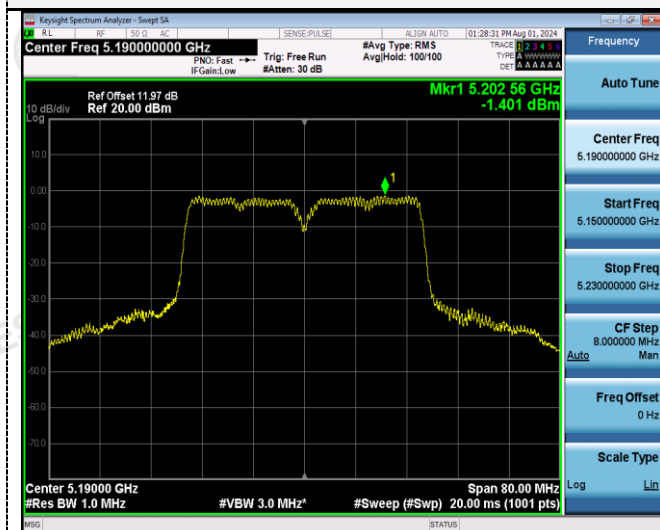


CH48

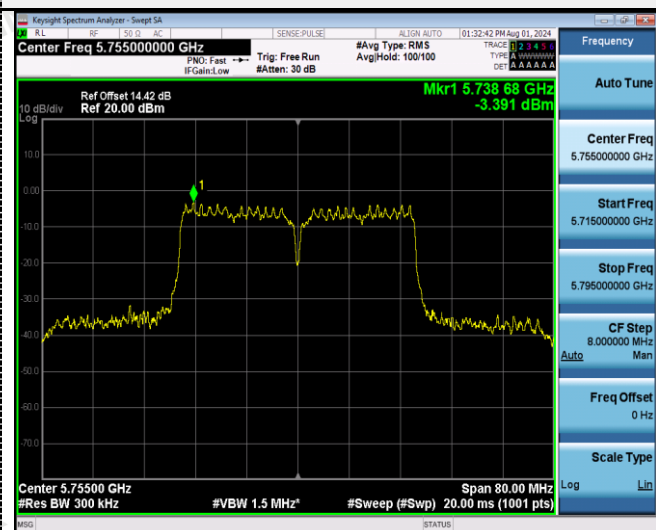
CH165

802.11n(HT40)

U-NII 1



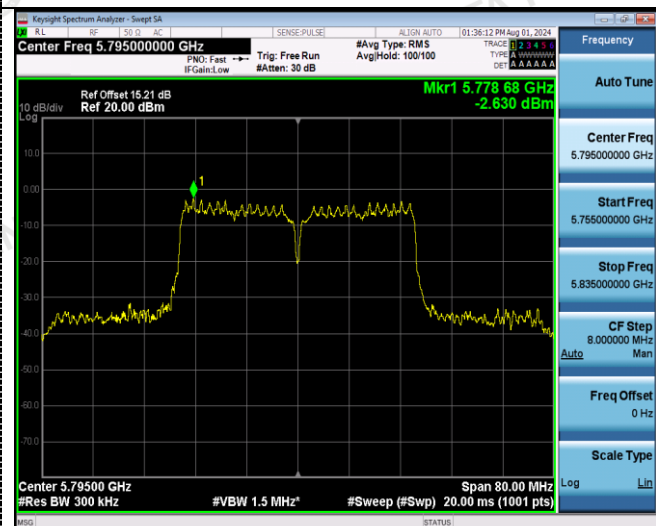
U-NII 3



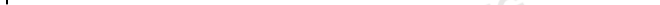
CH38



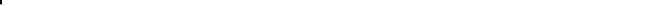
CH151



CH46

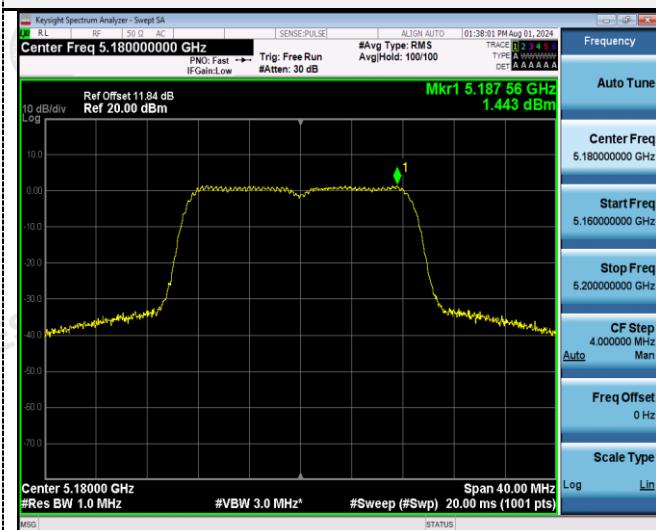


CH159

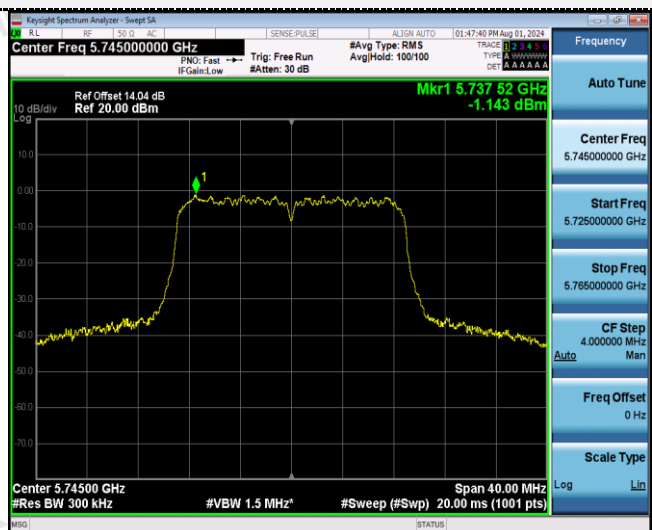


802.11ac(HT20)

U-NII 1



U-NII 3



CH36



CH149



CH40



CH157



CH48



CH165

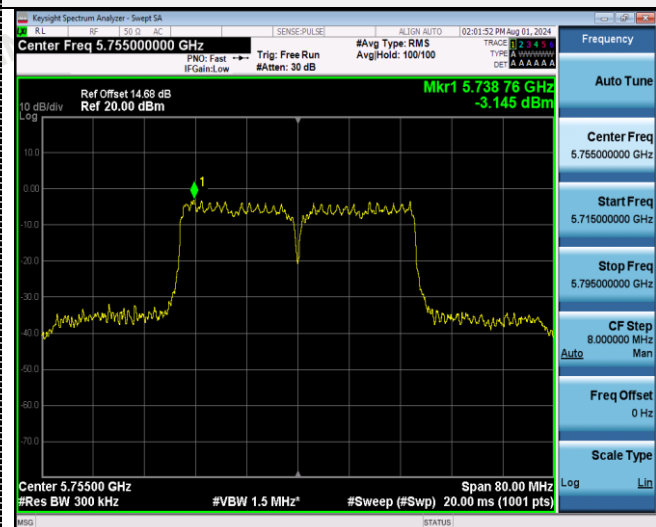


802.11ac(HT40)

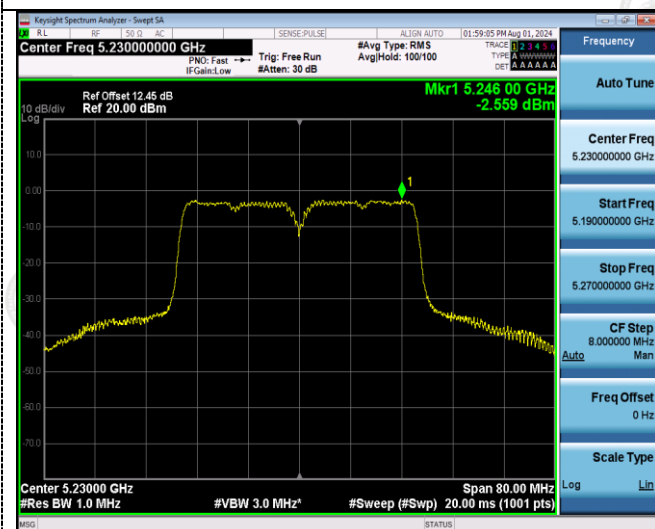
U-NII 1



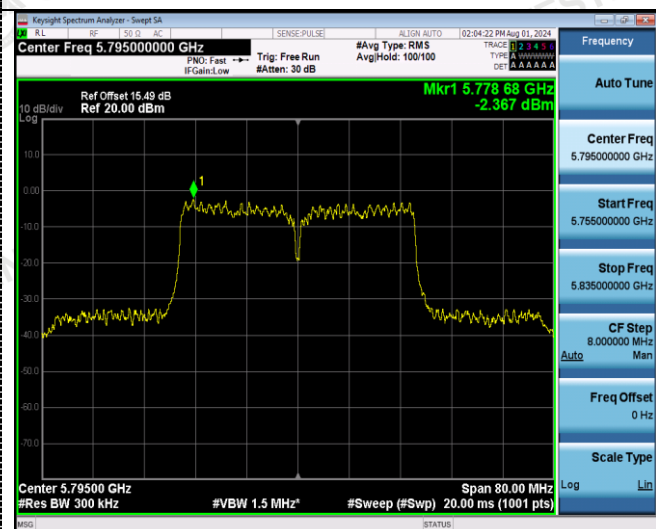
U-NII 3



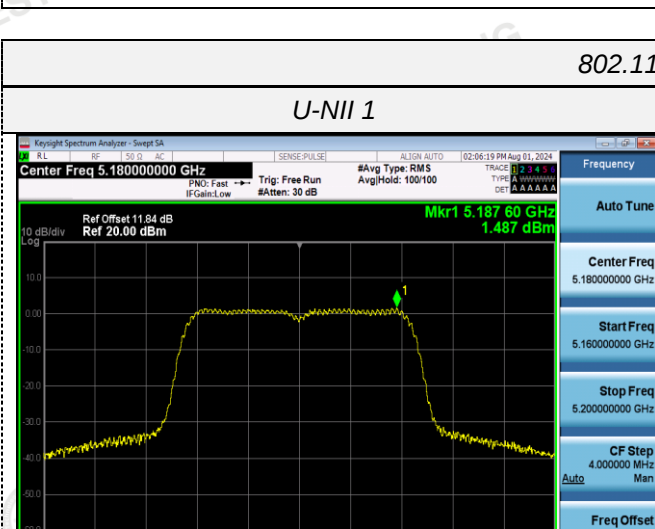
CH38



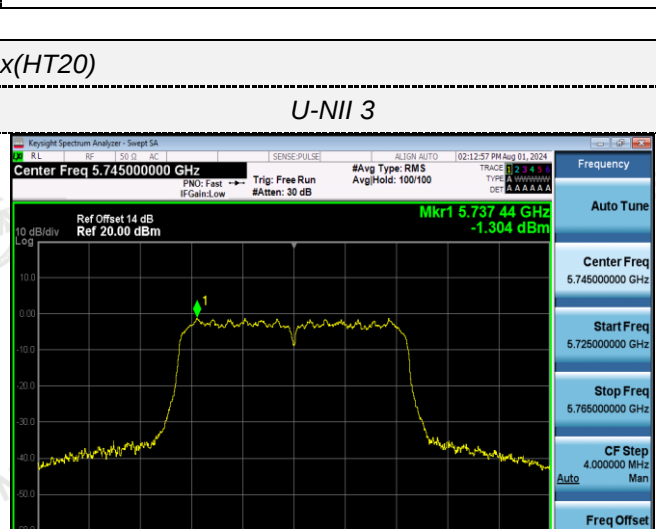
CH151



CH46



CH159



802.11ax(HT20)

U-NII 1



U-NII 3



CH36

CH149



CH40



CH157



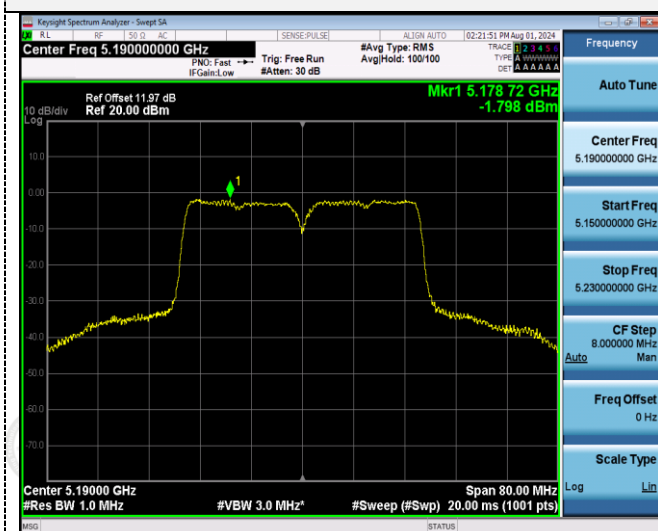
CH48



CH165

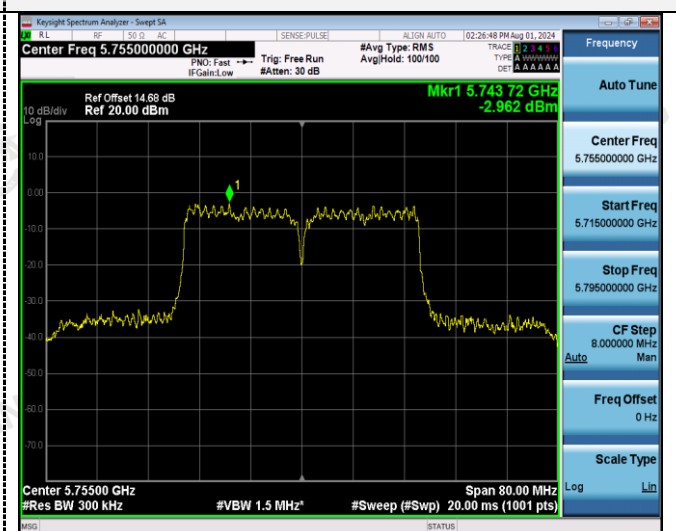
802.11ax(HT40)

U-NII 1

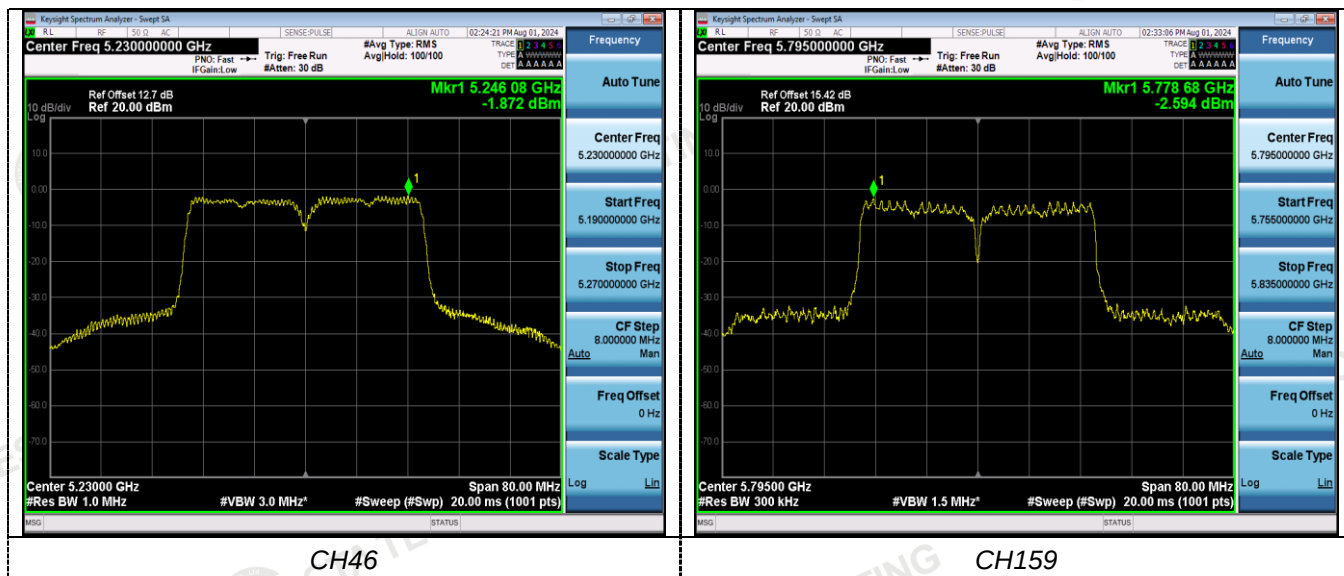


CH38

U-NII 3



CH151



4.5 Emission Bandwidth (26dB Bandwidth)

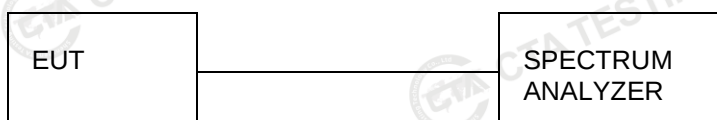
Limit

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

Module1:

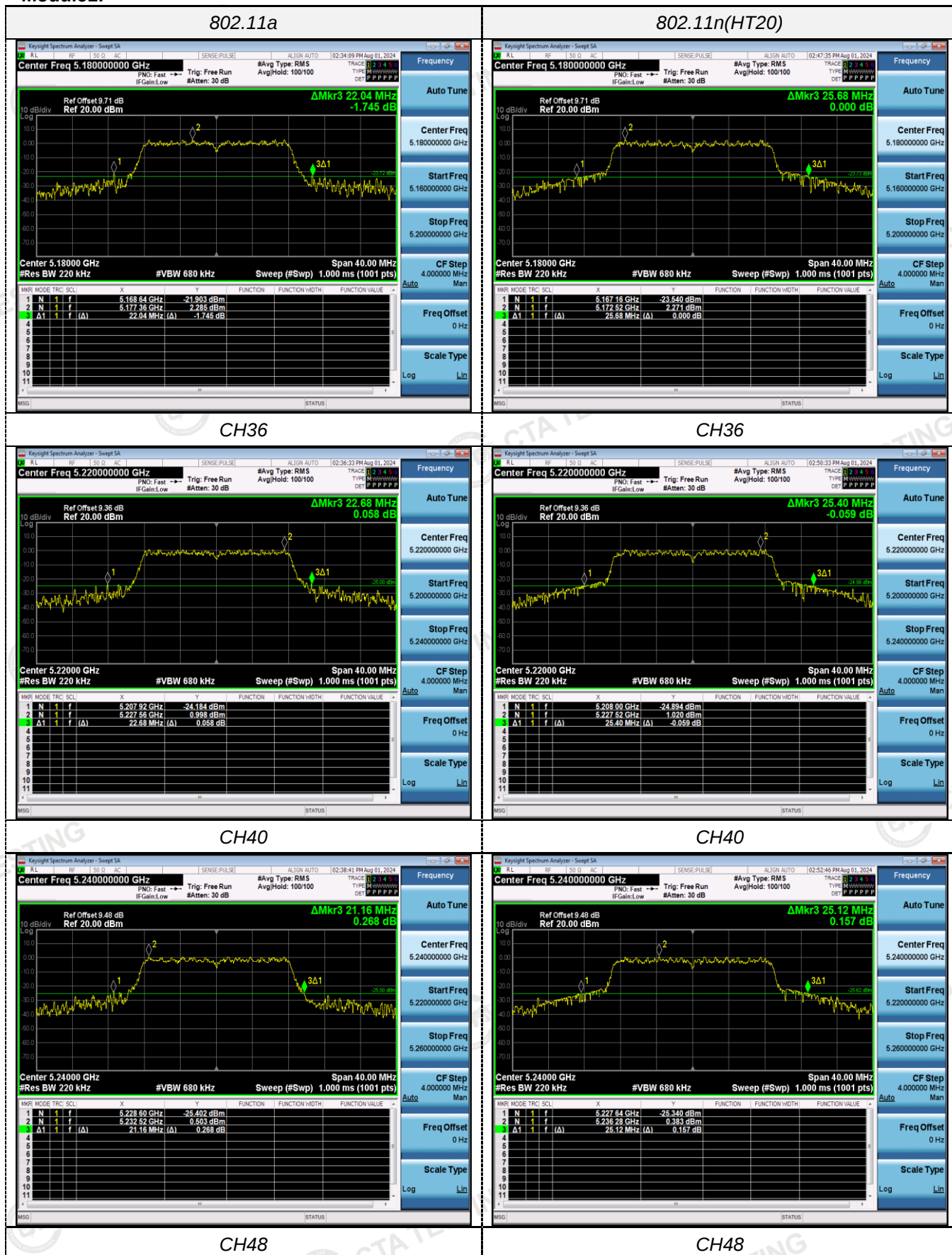
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	22.040	N/A	Pass
		40	22.680		
		48	21.160		
802.11n(HT20)	U-NII 1	36	25.680		
		40	25.400		
		48	25.120		
802.11n(HT40)	U-NII 1	38	53.840		
		46	48.800		
802.11ac(HT20)	U-NII 1	36	25.160		
		40	22.880		
		48	19.560		
802.11ac(HT40)	U-NII 1	38	52.000		
		46	47.120		
802.11ac(HT80)	U-NII 1	42	85.120		

Module2:

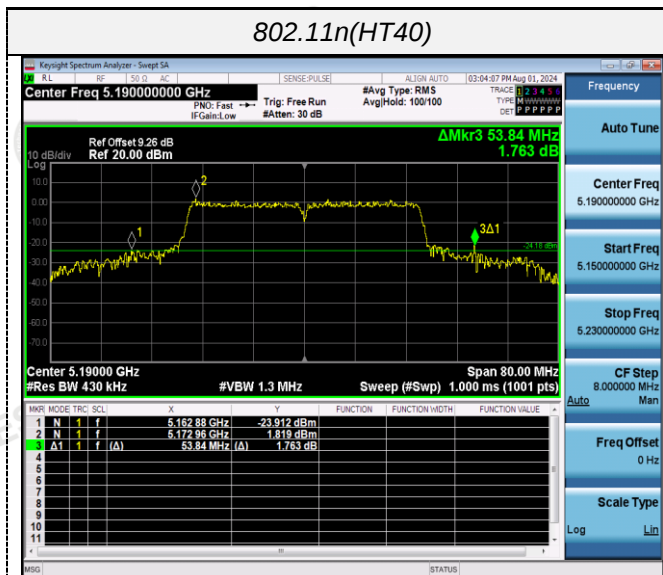
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	24.040	N/A	Pass
		40	24.040		
		48	21.120		
802.11n(HT20)	U-NII 1	36	25.560		
		40	24.640		
		48	24.800		
802.11n(HT40)	U-NII 1	38	49.520		
		46	44.000		
802.11ac(HT20)	U-NII 1	36	21.880		
		40	29.280		
		48	23.840		
802.11ac(HT40)	U-NII 1	38	51.920		
		46	49.040		
802.11ax(HT20)	U-NII 1	36	21.080		
		40	22.040		
		48	21.920		
802.11ax(HT40)	U-NII 1	38	45.520		
		46	48.720		

Test plot as follows:

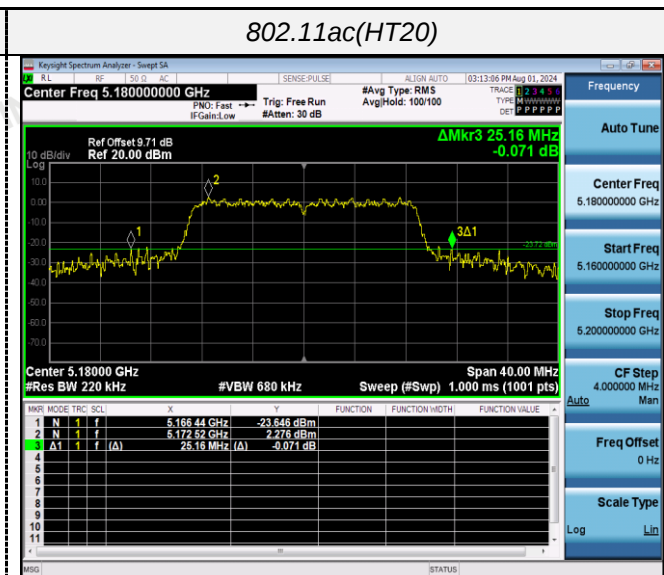
Module1:



802.11n(HT40)



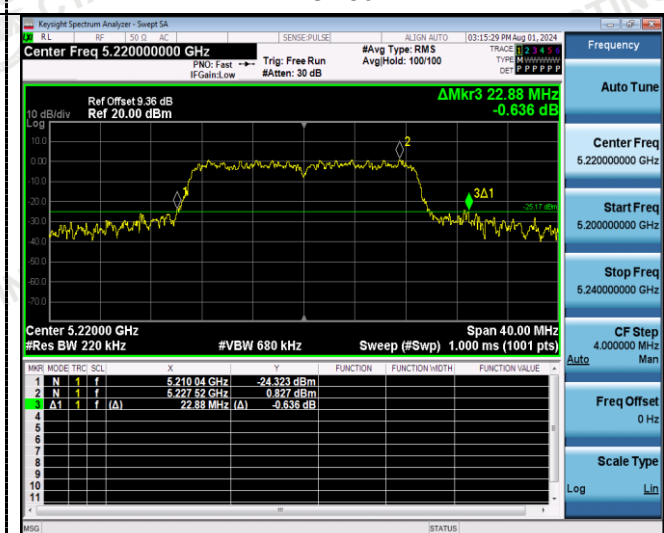
802.11ac(HT20)



CH38



CH46



CH40



CH48

