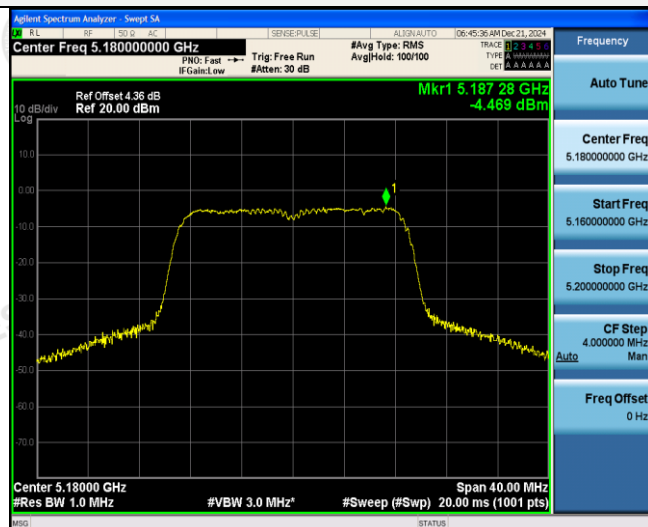


802.11n(HT20)

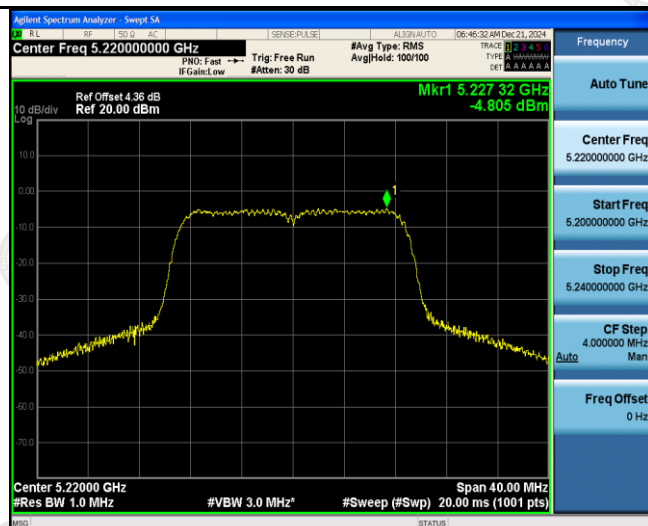
U-NII 1



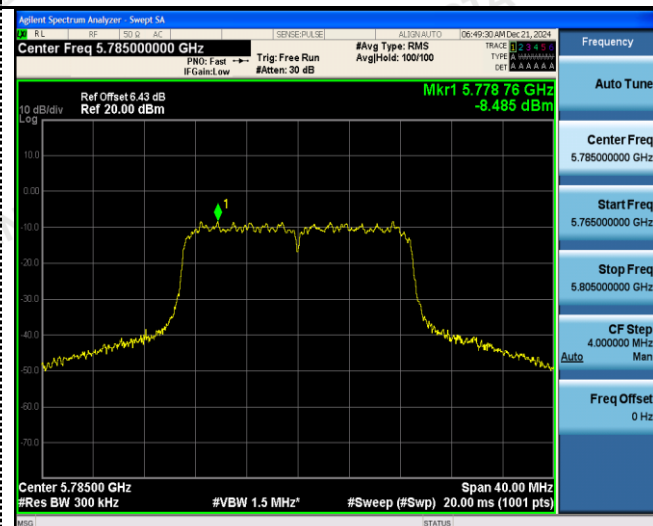
U-NII 3



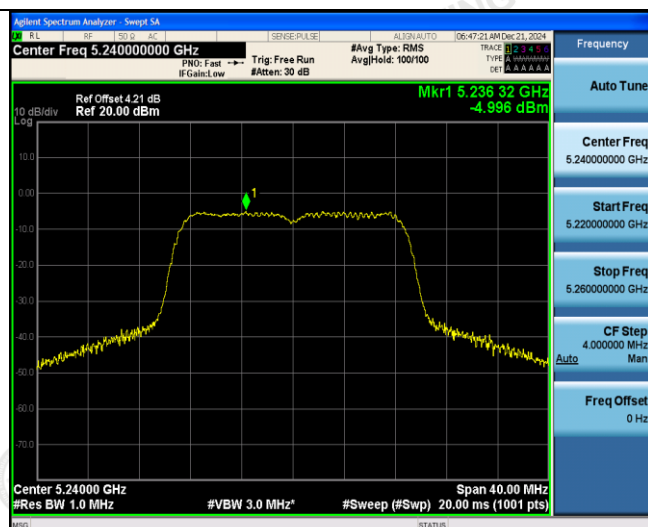
CH36



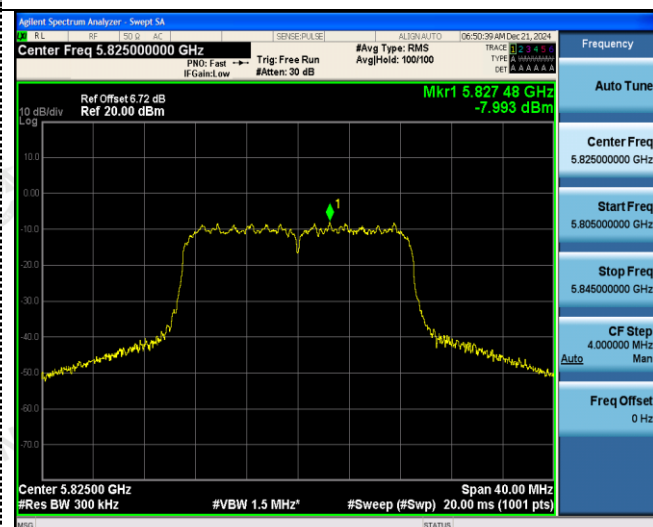
CH149



CH40



CH157

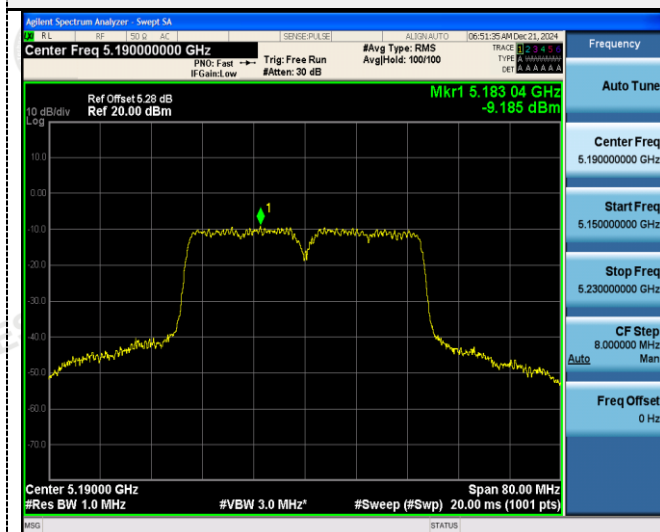


CH48

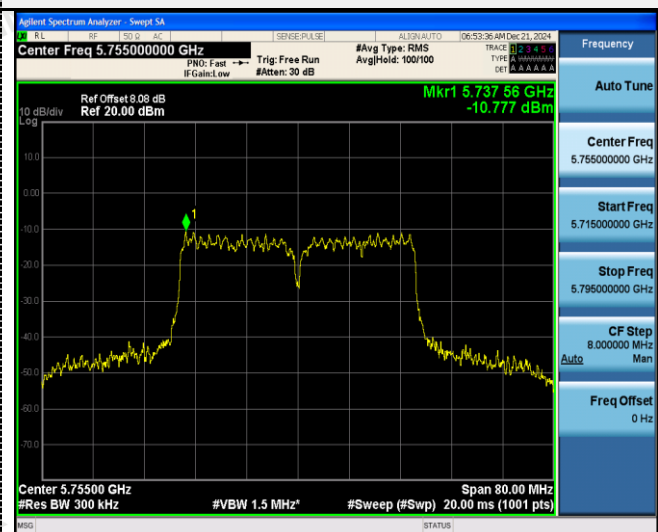
CH165

802.11n(HT40)

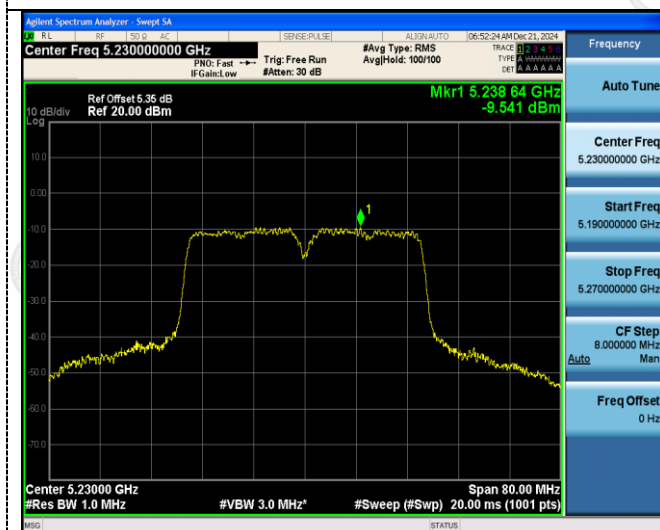
U-NII 1



U-NII 3



CH38



CH151



CH46

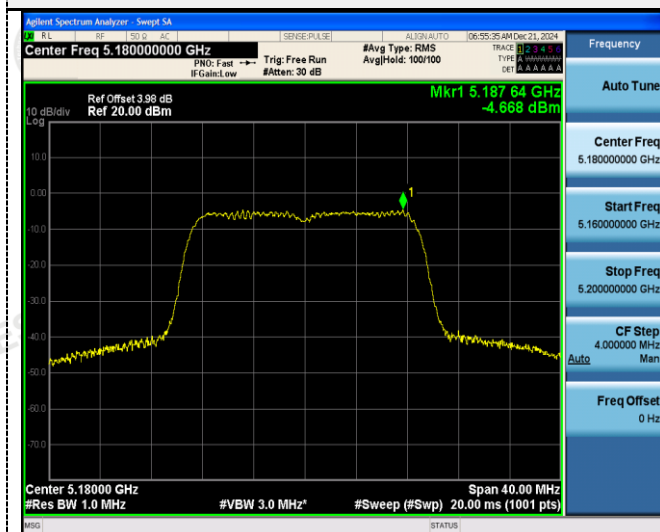


CH159



802.11ac(HT20)

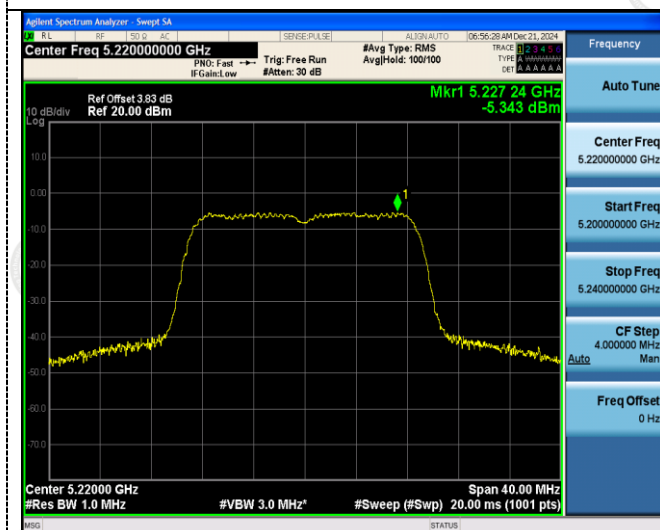
U-NII 1



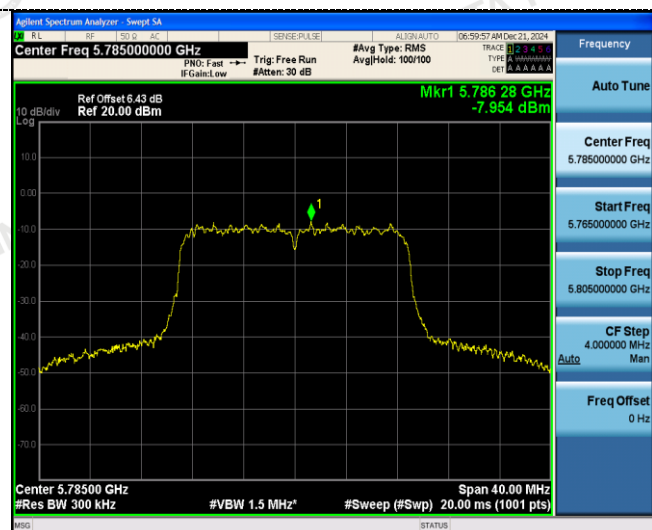
U-NII 3



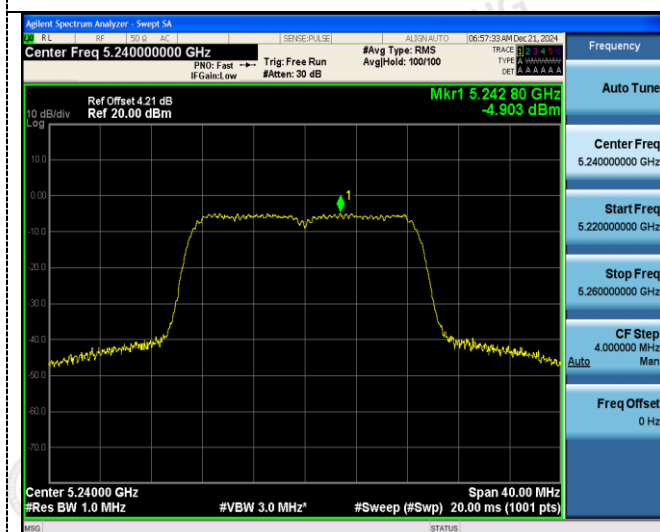
CH36



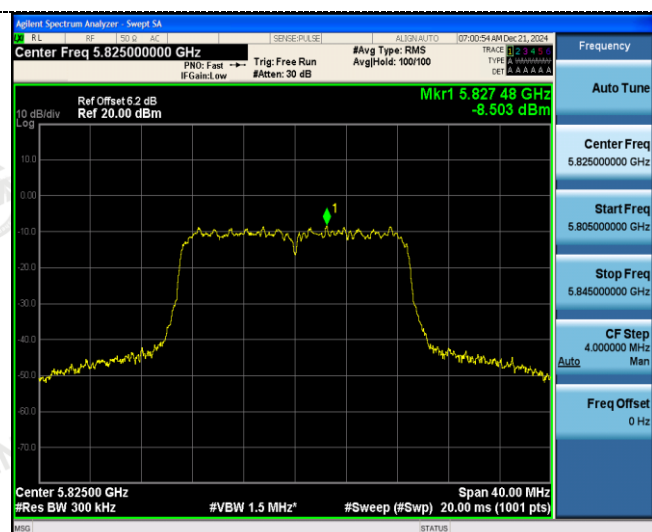
CH149



CH40



CH157

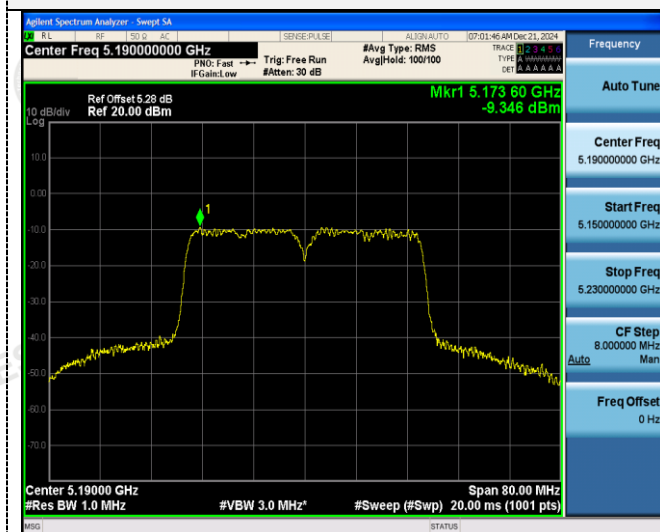


CH4

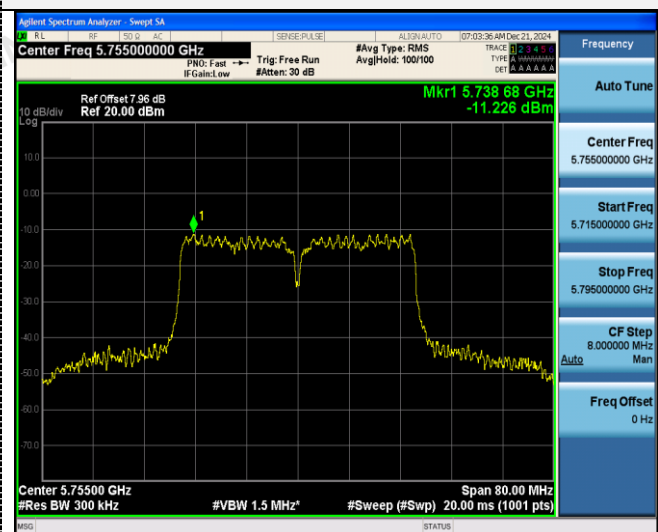
CH165

802.11ac(HT40)

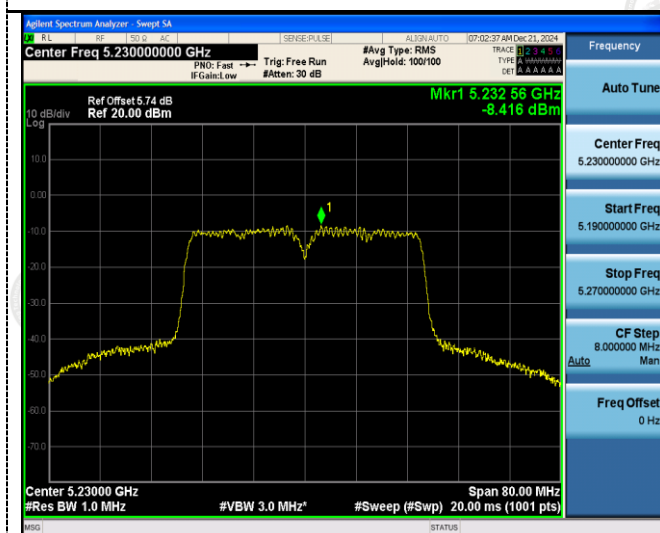
U-NII 1



U-NII 3



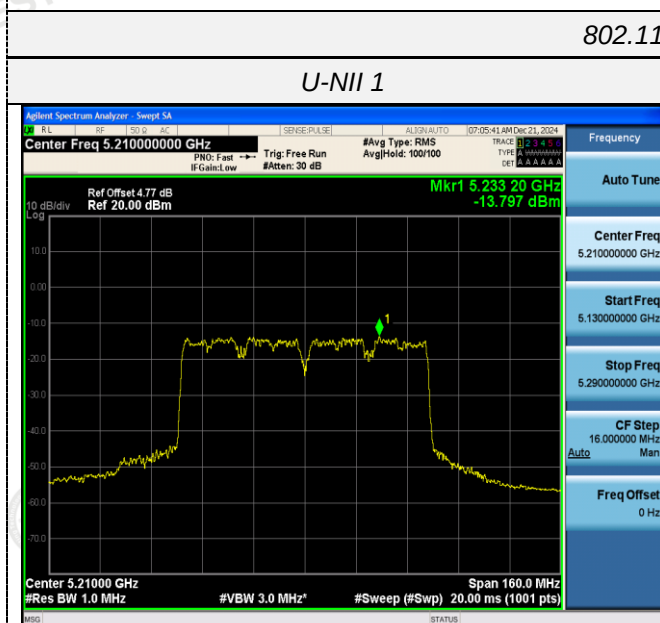
CH38



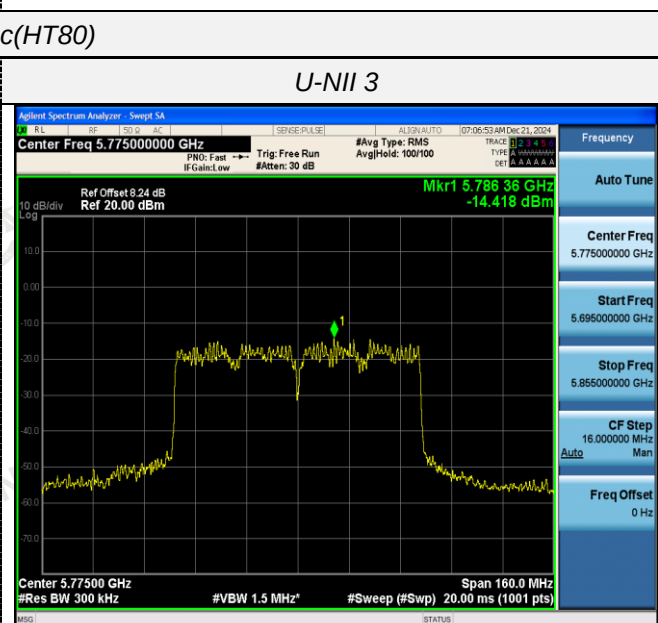
CH151



CH46



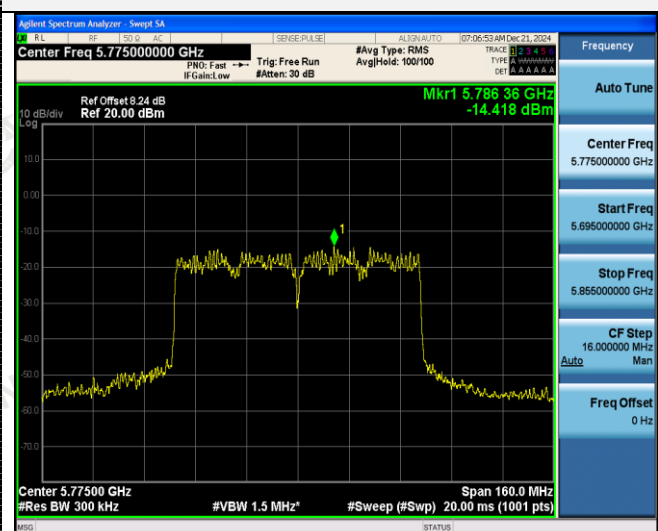
CH159



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

ANT1:

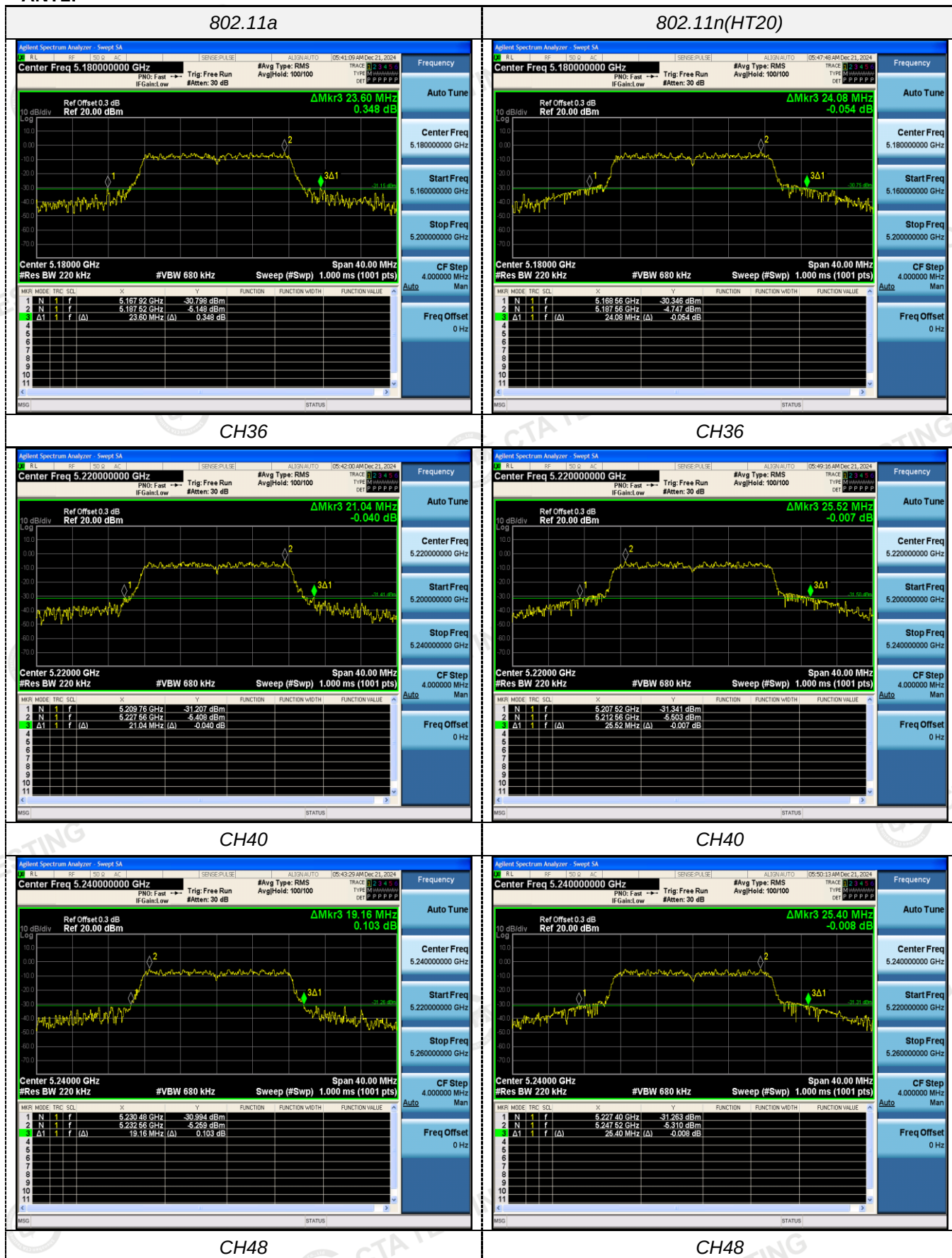
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	23.600	N/A	Pass
		40	21.040		
		48	19.160		
802.11n(HT20)	U-NII 1	36	24.080		
		40	25.520		
		48	25.400		
802.11n(HT40)	U-NII 1	38	42.800		
		46	42.560		
802.11ac(HT20)	U-NII 1	36	24.520		
		40	22.760		
		48	24.720		
802.11ac(HT40)	U-NII 1	38	45.200		
		46	41.840		
802.11ac(HT80)	U-NII 1	42	86.400		

ANT2:

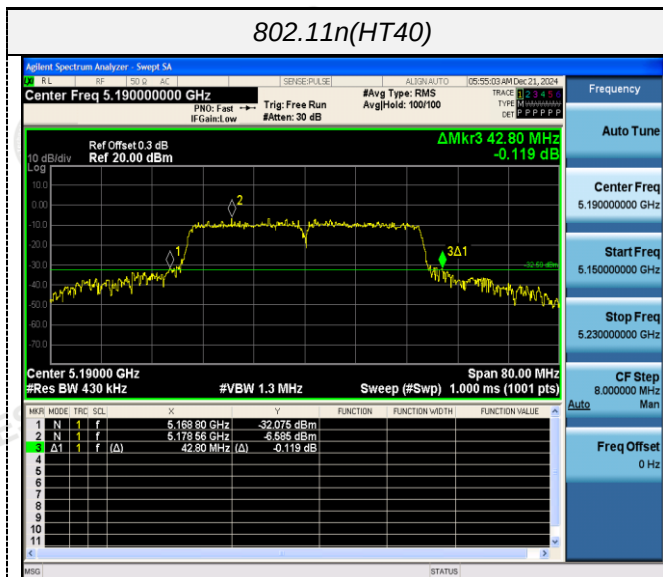
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	26.520	N/A	Pass
		40	22.160		
		48	23.440		
802.11n(HT20)	U-NII 1	36	24.200		
		40	26.640		
		48	25.080		
802.11n(HT40)	U-NII 1	38	50.080		
		46	43.920		
802.11ac(HT20)	U-NII 1	36	22.840		
		40	21.800		
		48	24.880		
802.11ac(HT40)	U-NII 1	38	40.560		
		46	44.240		
802.11ac(HT80)	U-NII 1	42	86.080		

Test plot as follows:

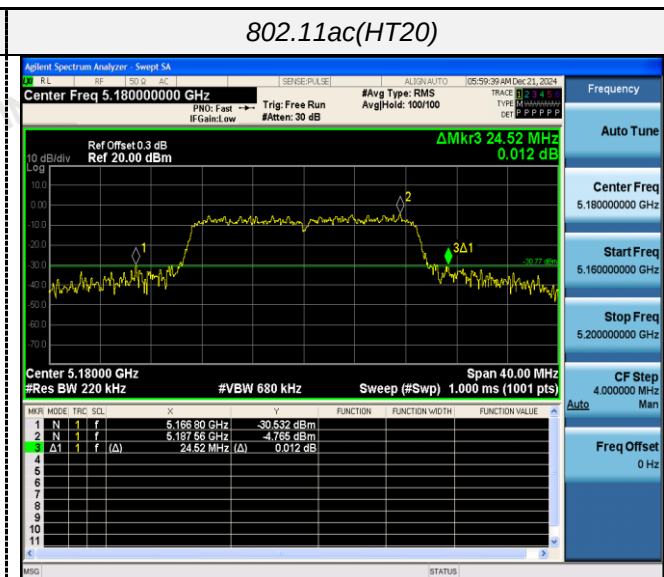
ANT1:



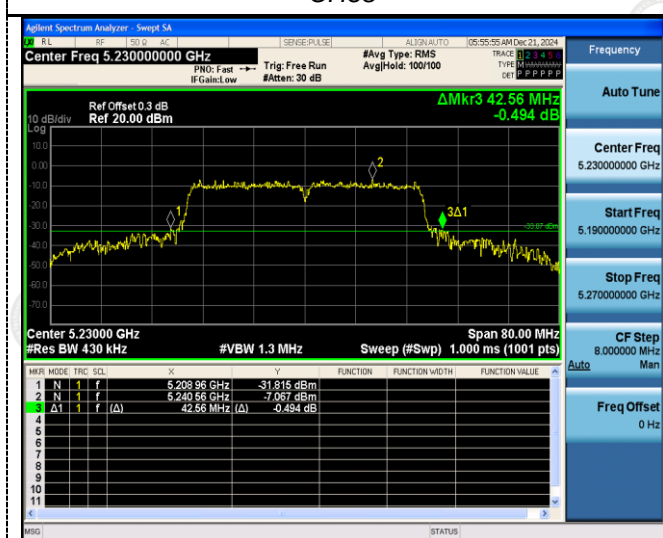
802.11n(HT40)



802.11ac(HT20)



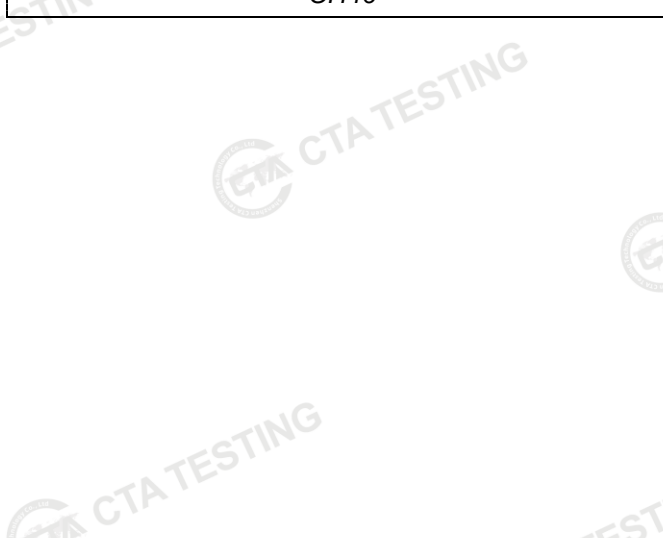
CH38



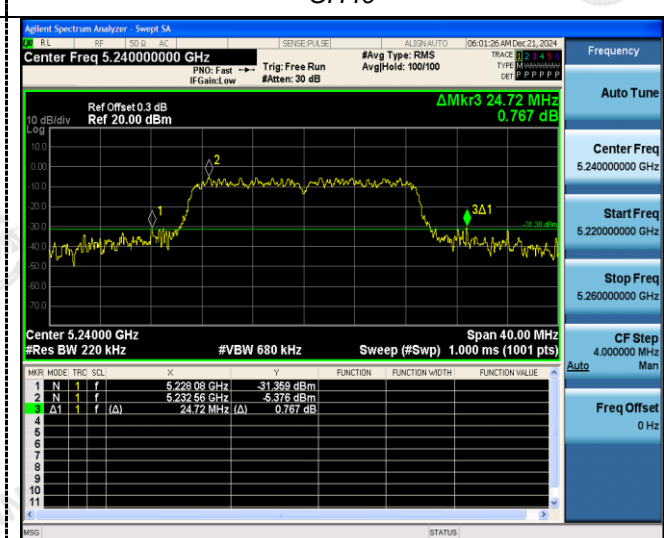
CH36



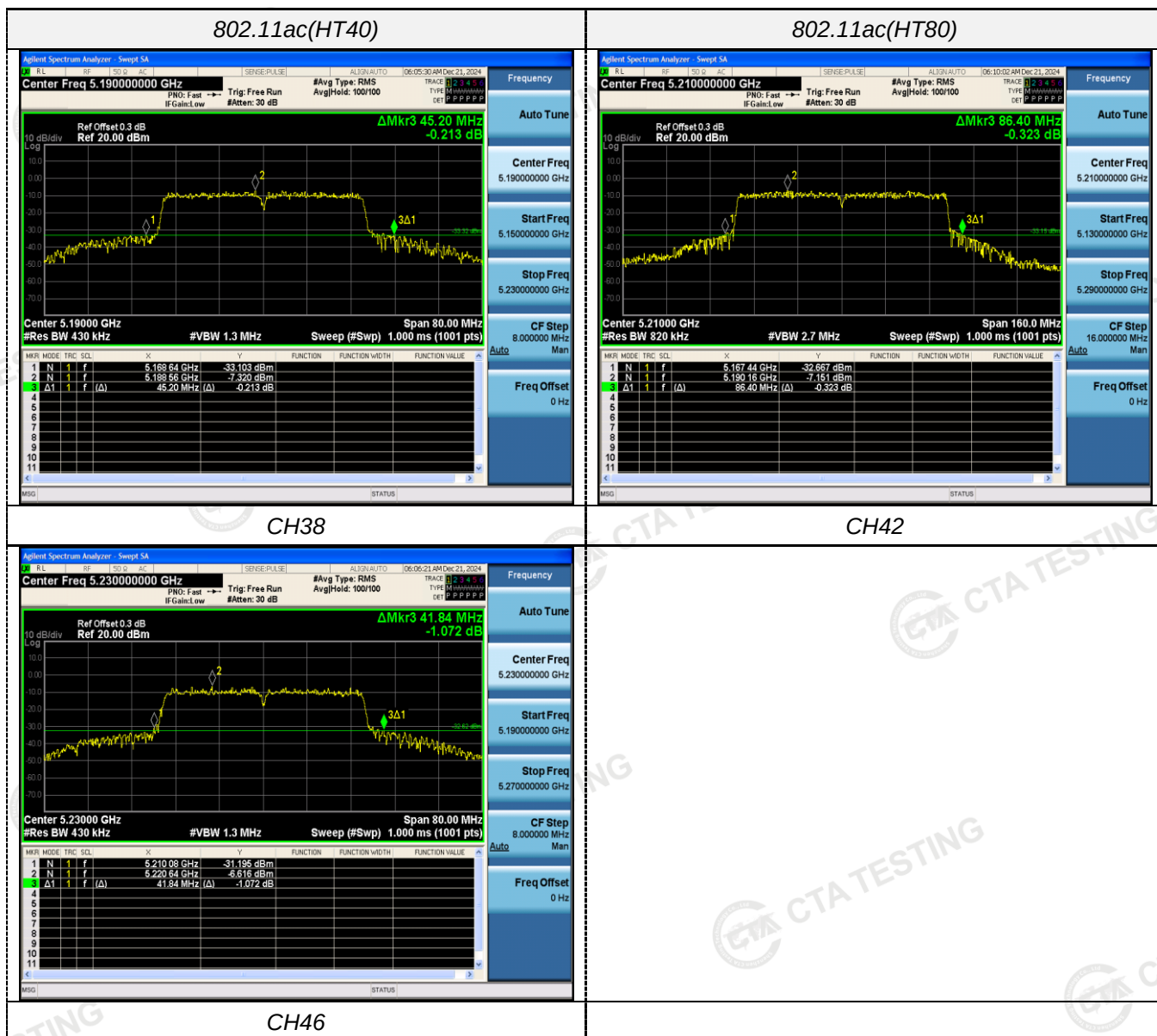
CH46



CH40



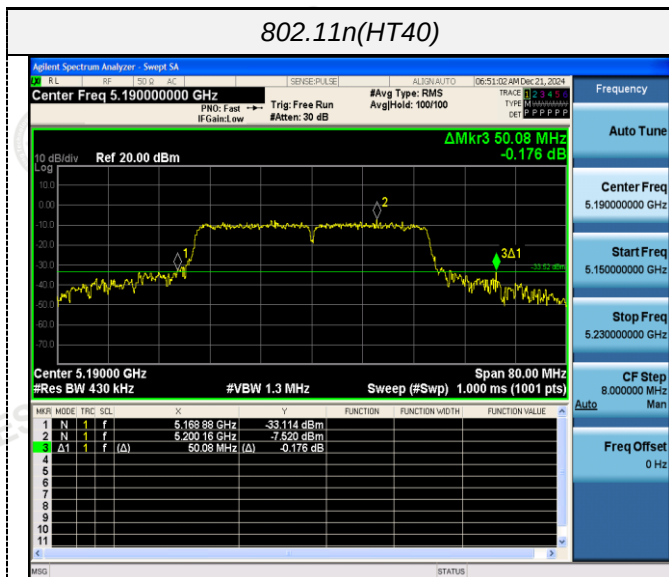
CH48



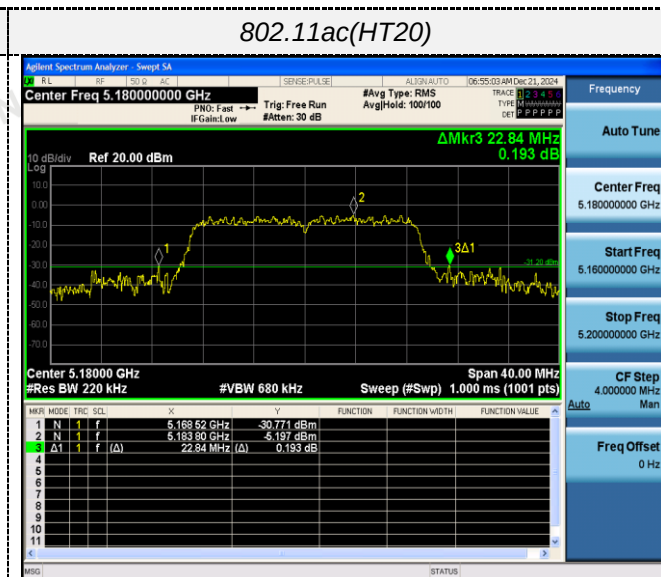
ANT2:



802.11n(HT40)



802.11ac(HT20)



CH38



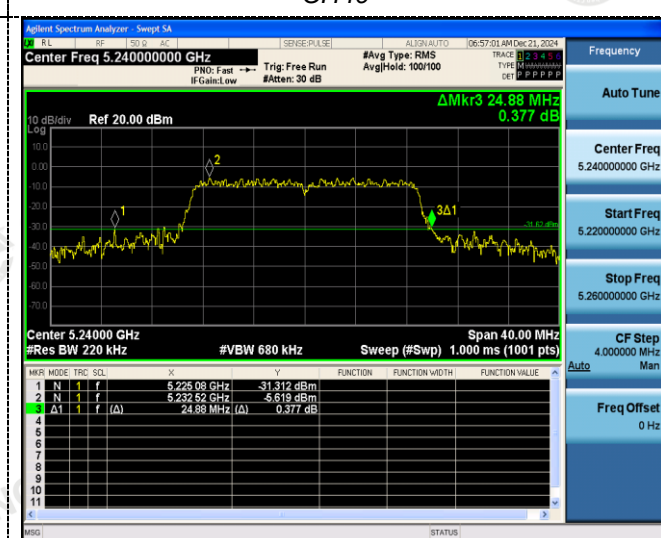
CH36



CH46

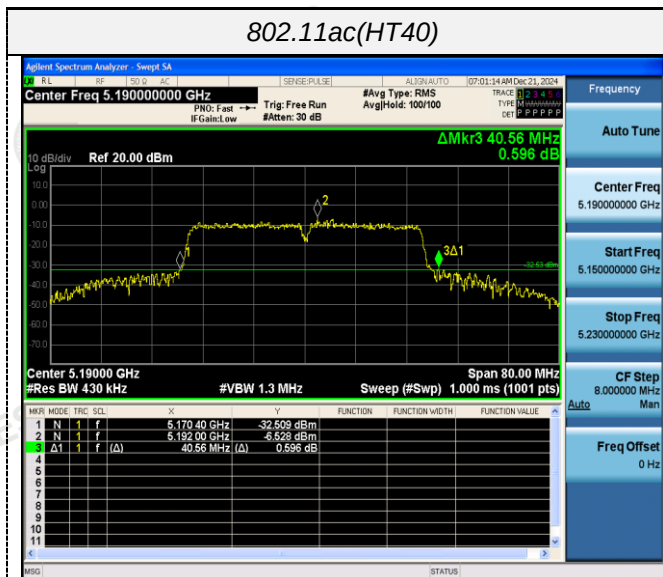


CH40

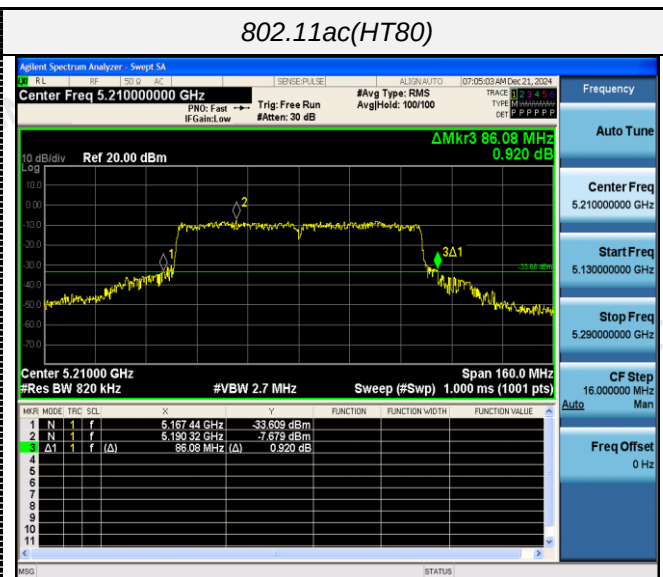


CH48

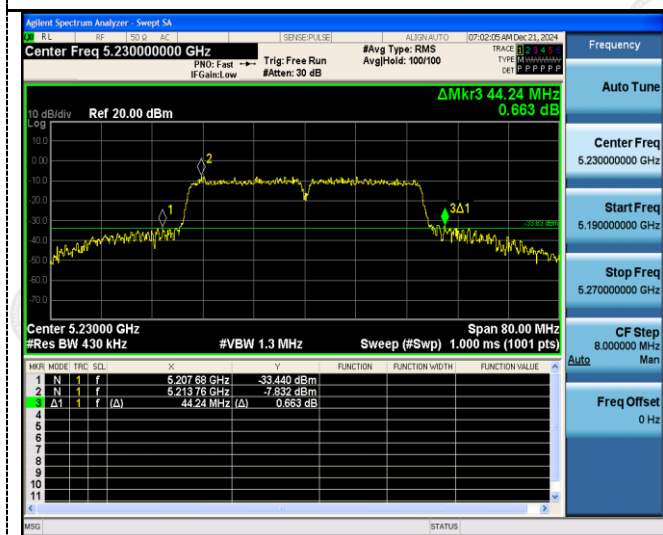
802.11ac(HT40)



802.11ac(HT80)



CH38



CH42



CH46

4.6 Minimum Emission Bandwidth (6dB Bandwidth)

Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth 3 x RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Configuration



Test Results

ANT1:

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.320		
		165	16.320		
802.11n(HT20)	U-NII 3	149	16.840		
		157	17.080		
		165	17.080		
802.11n(HT40)	U-NII 3	151	35.600		
		159	35.680		
802.11ac(HT20)	U-NII 3	149	16.560		
		157	16.920		
		165	17.040		
802.11ac(HT40)	U-NII 3	151	35.840		
		159	35.600		
802.11ac(HT80)	U-NII 3	155	75.200		

ANT2:

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.320		
		165	16.320		
802.11n(HT20)	U-NII 3	149	17.240		
		157	17.040		
		165	17.240		
802.11n(HT40)	U-NII 3	151	36.080		
		159	35.920		
802.11ac(HT20)	U-NII 3	149	16.880		
		157	16.680		
		165	16.960		
802.11ac(HT40)	U-NII 3	151	36.000		
		159	35.840		
802.11ac(HT80)	U-NII 3	155	75.200		

Test plot as follows: