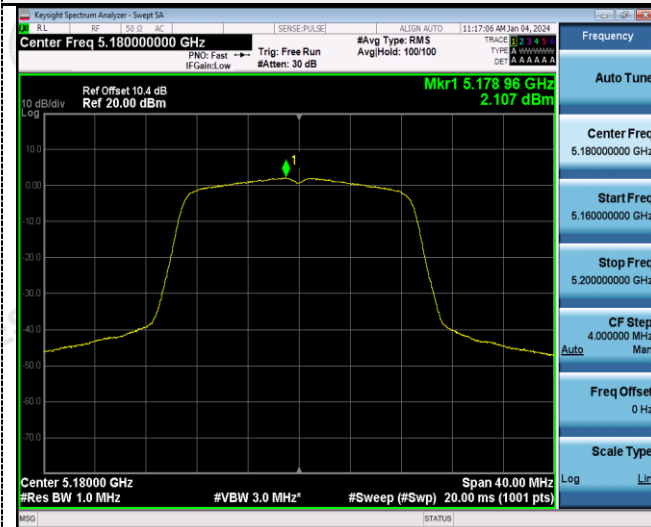


802.11ac(HT20)

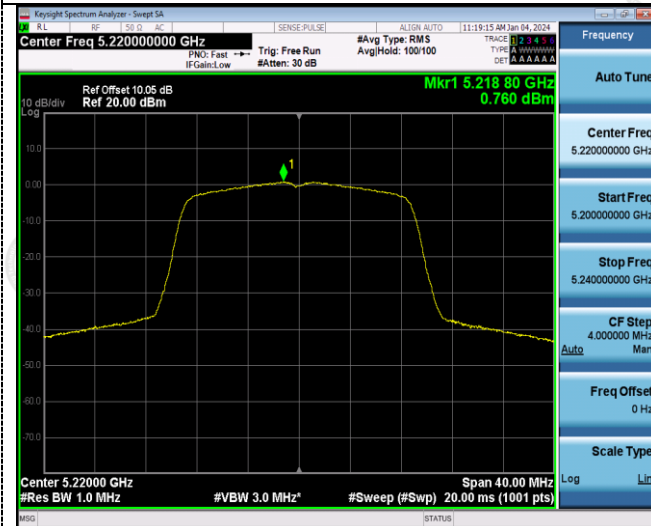
U-NII 1



U-NII 3



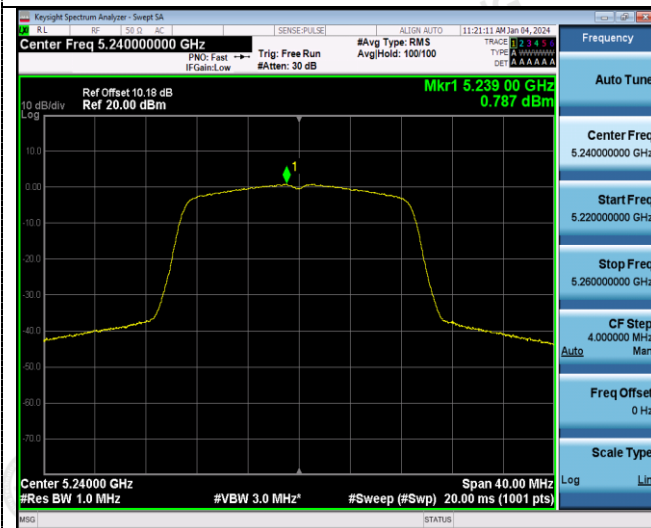
CH36



CH149



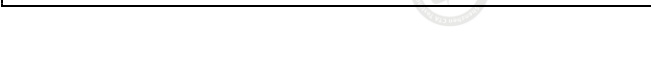
CH40



CH157



CH48



CH165



802.11ac(HT40)

U-NII 1



U-NII 3



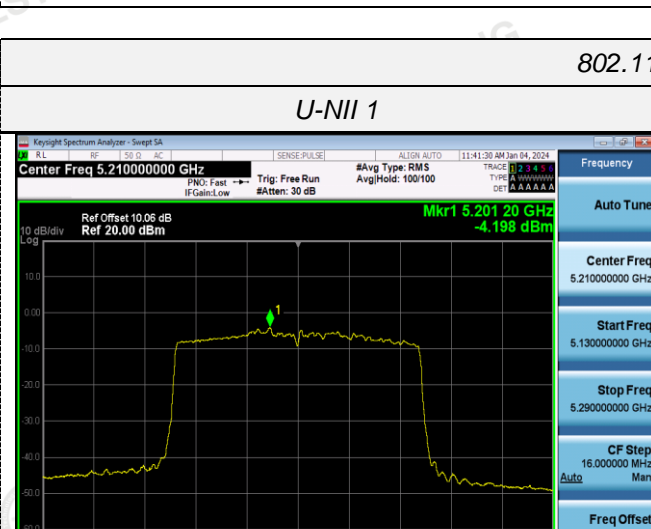
CH38



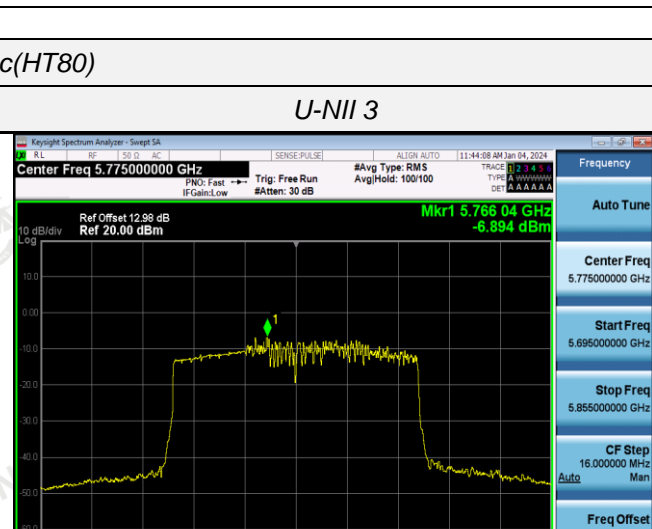
CH151



CH46



CH159



802.11ac(HT80)

U-NII 1



U-NII 3



CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

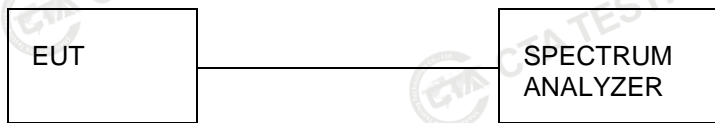
Limit

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

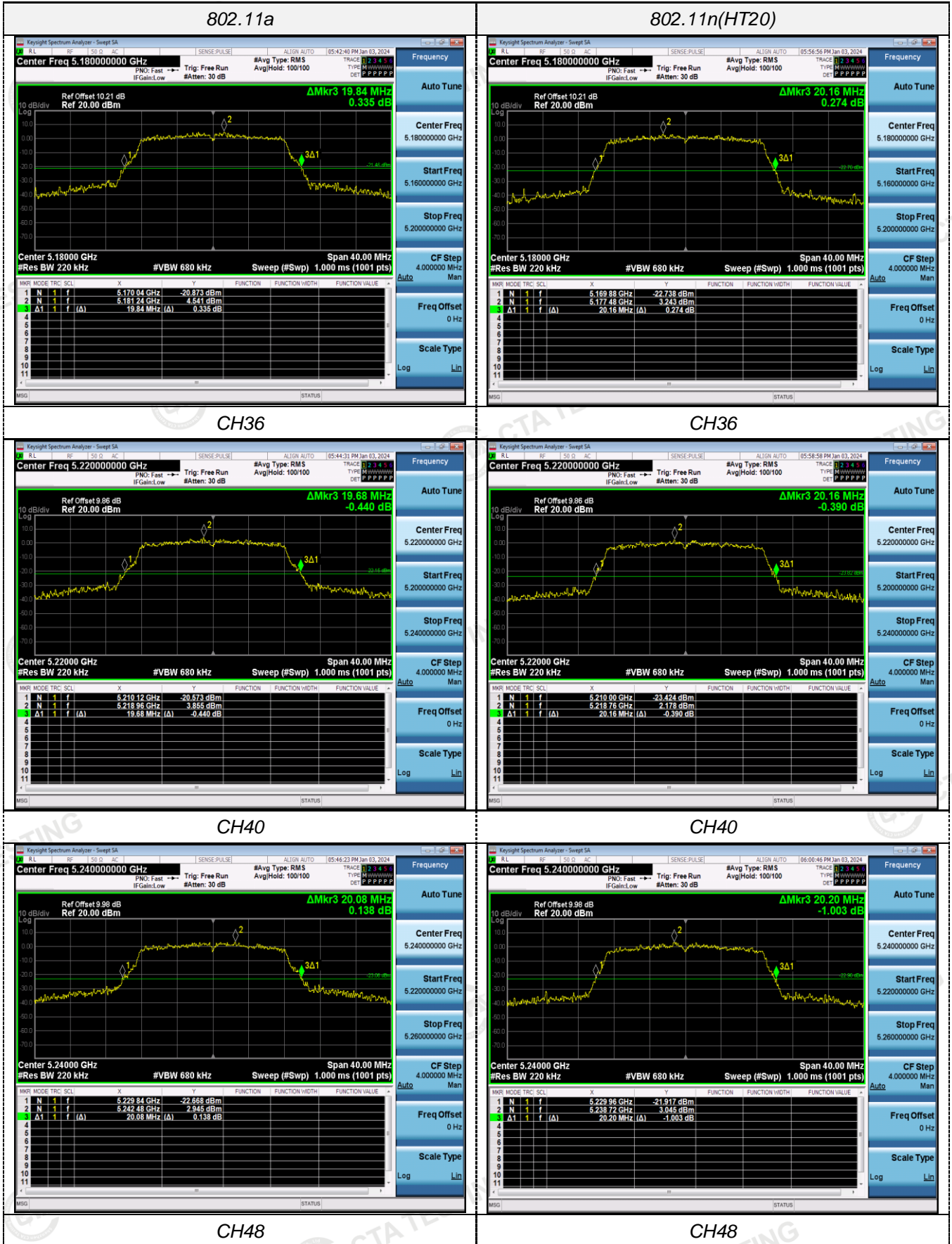
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.840	N/A	Pass
		44	19.680		
		48	20.080		
802.11n(HT20)	U-NII 1	36	20.160		
		44	20.160		
		48	20.200		
802.11n(HT40)	U-NII 1	38	40.160		
		46	40.480		
802.11ac(HT20)	U-NII 1	36	20.240		
		44	20.280		
		48	19.960		
802.11ac(HT40)	U-NII 1	38	40.720		
		46	40.160		
802.11ac(HT80)	U-NII 1	42	81.280		

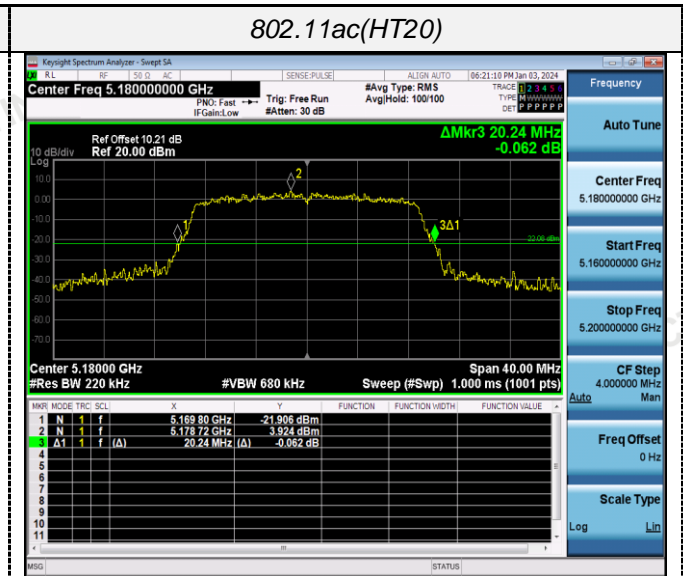
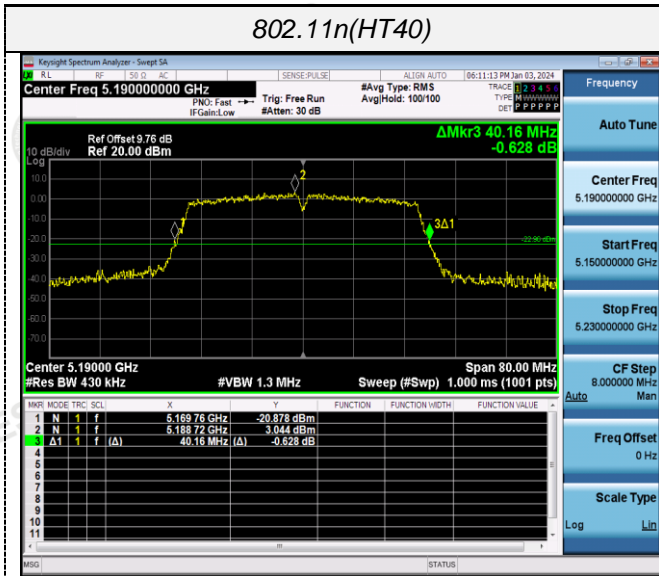
ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	20.000	N/A	Pass
		44	20.160		
		48	19.640		
802.11n(HT20)	U-NII 1	36	20.080		
		44	20.040		
		48	20.040		
802.11n(HT40)	U-NII 1	38	40.640		
		46	40.160		
802.11ac(HT20)	U-NII 1	36	20.080		
		44	20.080		
		48	19.880		
802.11ac(HT40)	U-NII 1	38	40.640		
		46	40.480		
802.11ac(HT80)	U-NII 1	42	81.120		

Test plot as follows:

ANT 1





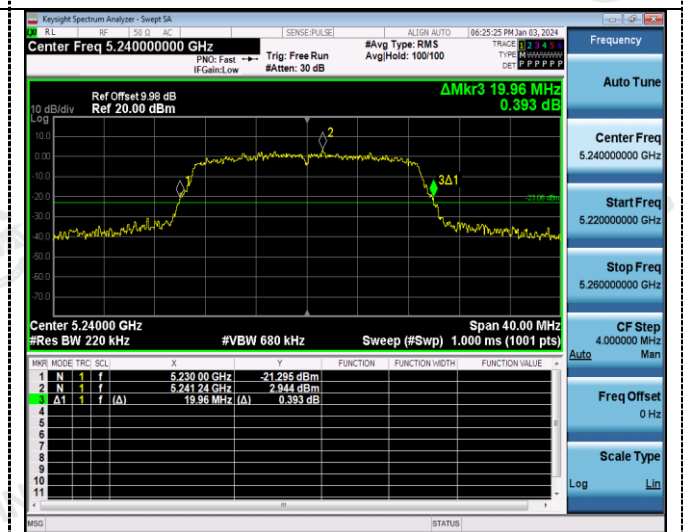
CH38

CH36

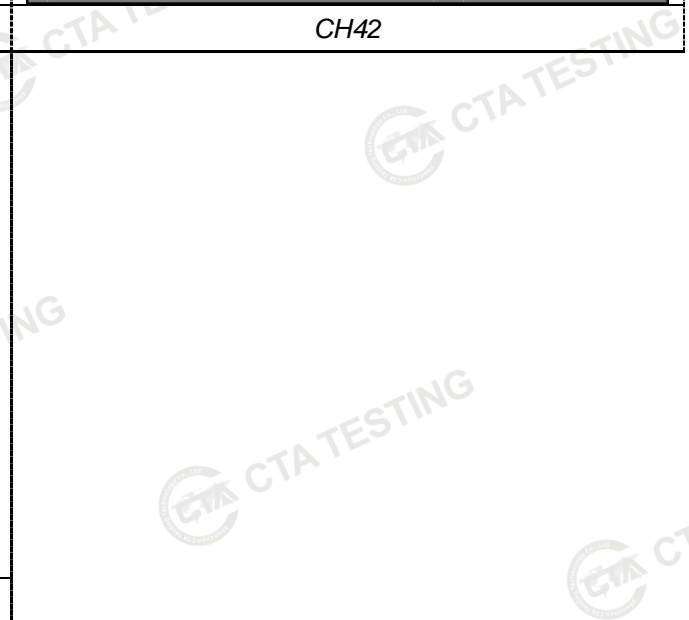
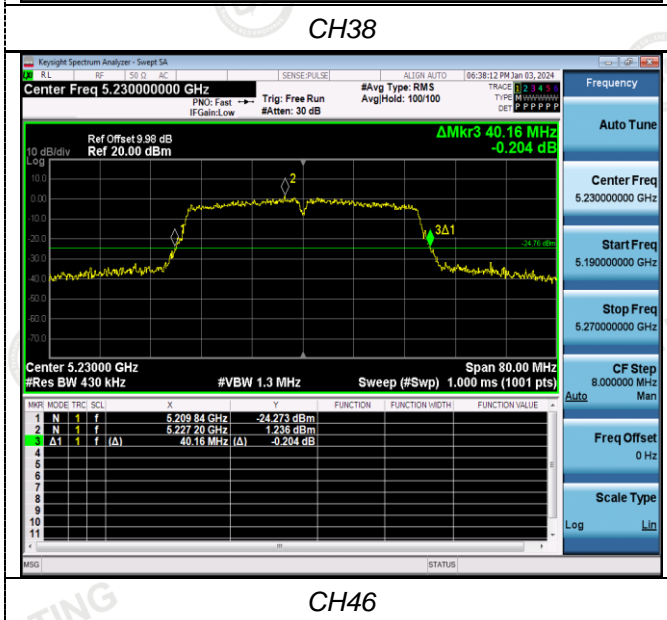
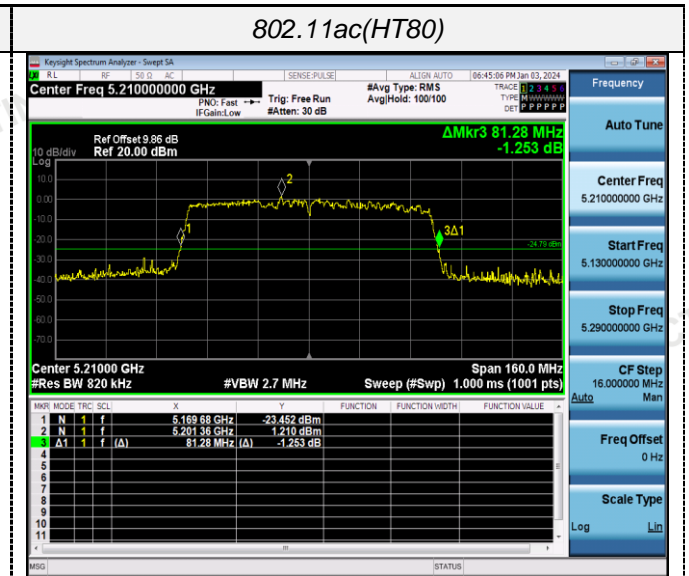
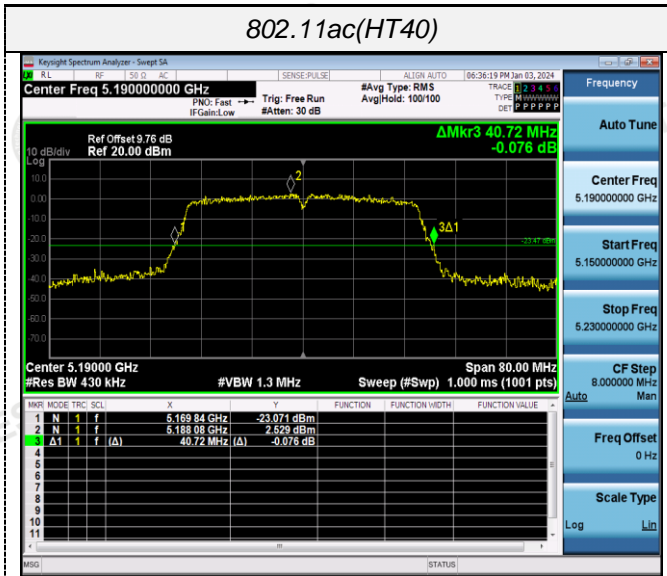


CH46

CH40

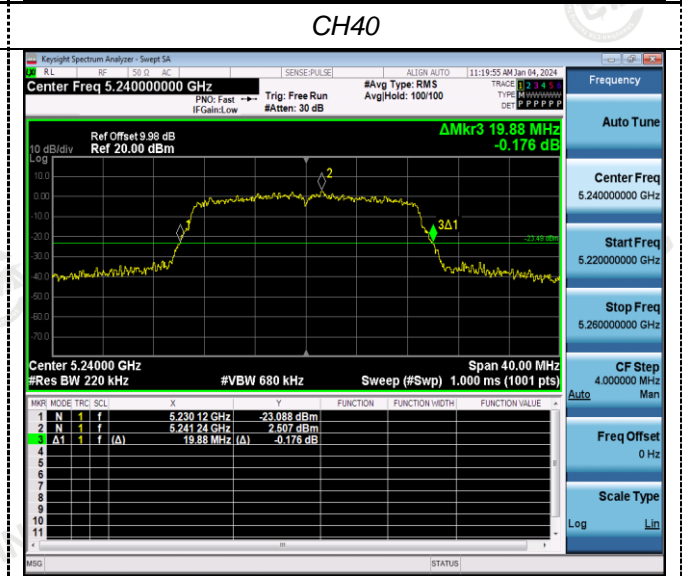
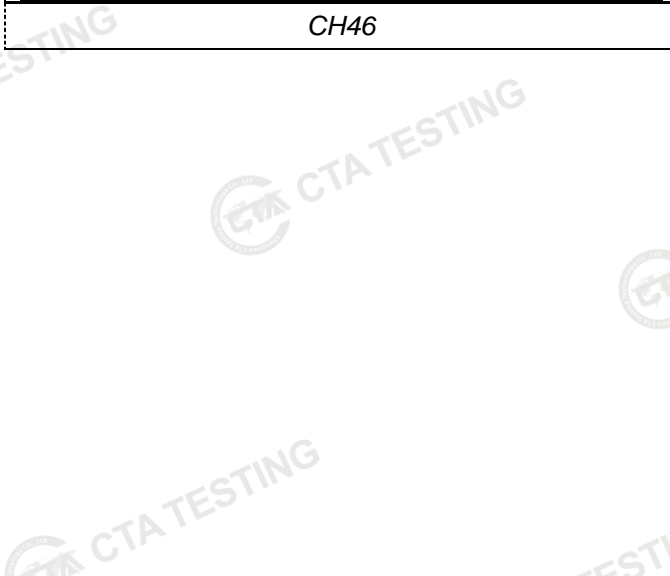
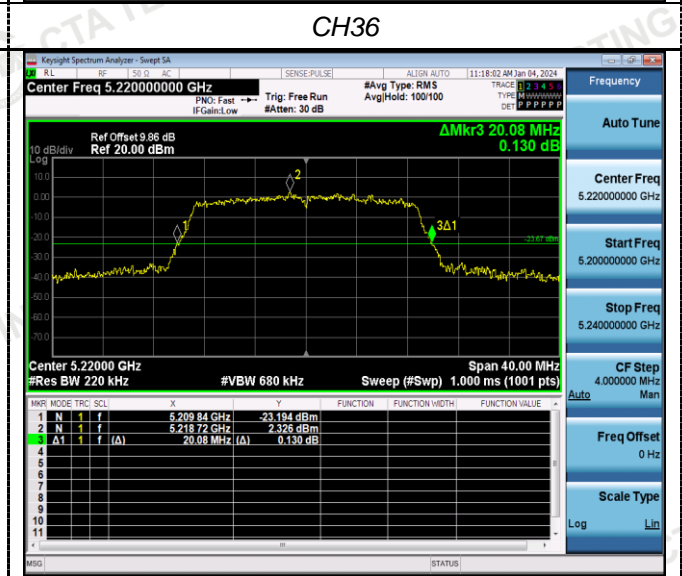
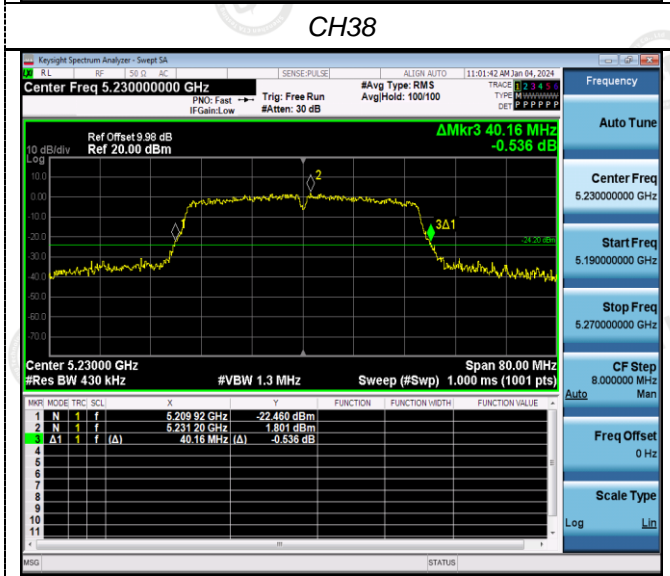
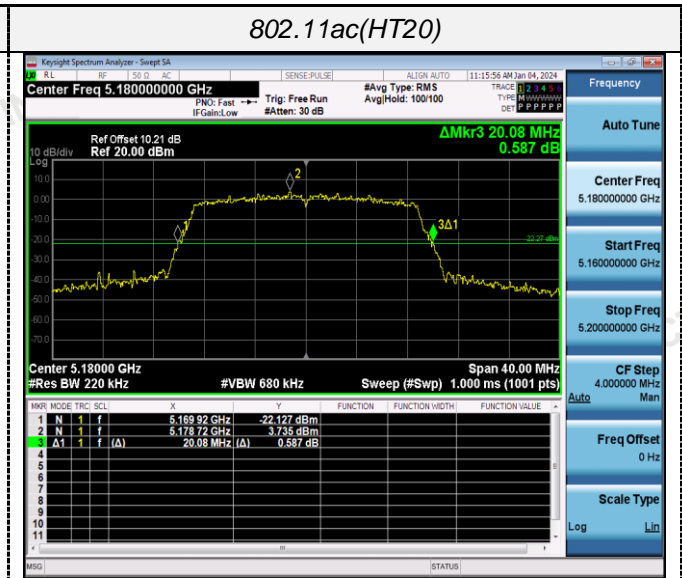
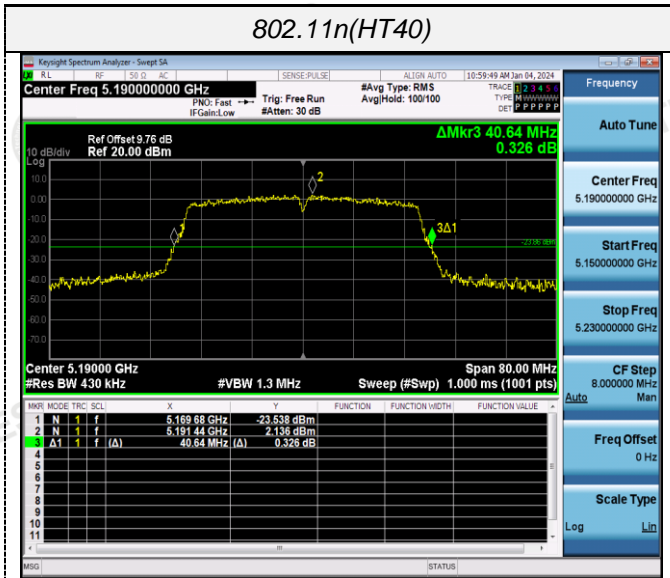


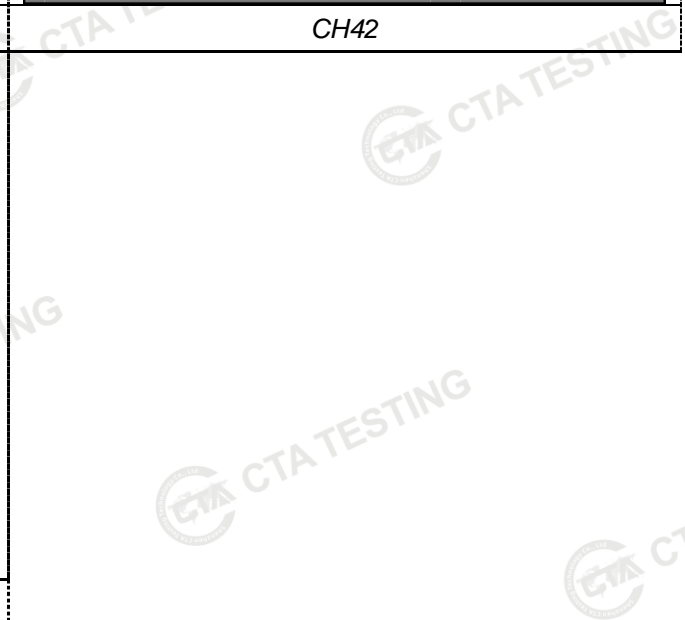
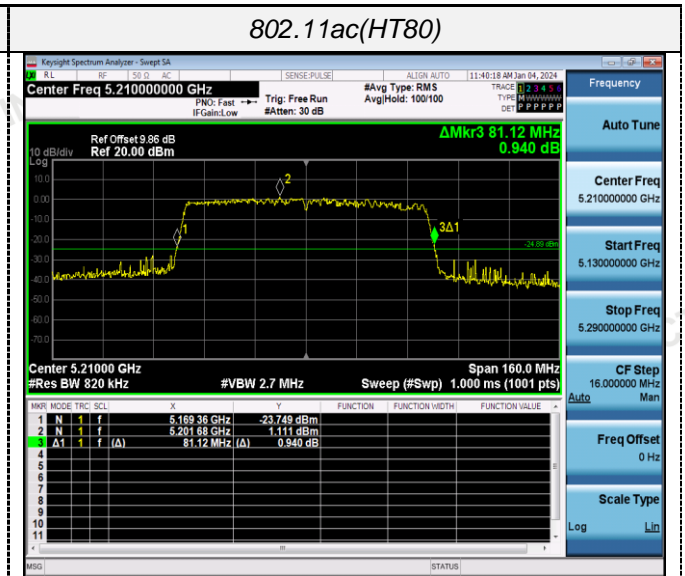
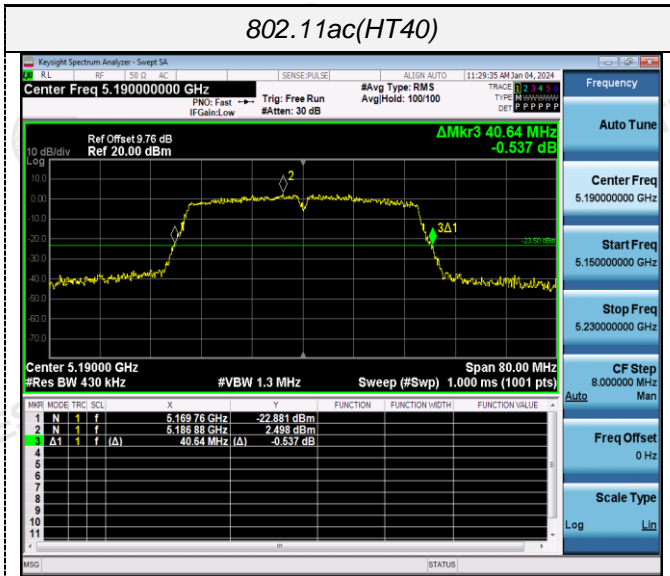
CH48



ANT 2







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

ANT 1

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	15.320	≥500KHz	Pass
		157	14.800		
		165	15.360		
802.11n(HT20)	U-NII 3	149	15.320		
		157	15.080		
		165	15.000		
802.11n(HT40)	U-NII 3	151	35.120		
		159	33.920		
802.11ac(HT20)	U-NII 3	149	13.480		
		157	15.000		
		165	14.120		
802.11ac(HT40)	U-NII 3	151	35.120		
		159	35.120		
802.11ac(HT80)	U-NII 3	155	75.040		

ANT 2

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	14.640	≥500KHz	Pass
		157	15.160		
		165	15.360		
802.11n(HT20)	U-NII 3	149	15.040		
		157	15.040		
		165	14.760		
802.11n(HT40)	U-NII 3	151	35.120		
		159	35.040		
802.11ac(HT20)	U-NII 3	149	16.280		
		157	14.080		
		165	15.080		
802.11ac(HT40)	U-NII 3	151	35.040		
		159	35.040		
802.11ac(HT80)	U-NII 3	155	75.040		

Test plot as follows: