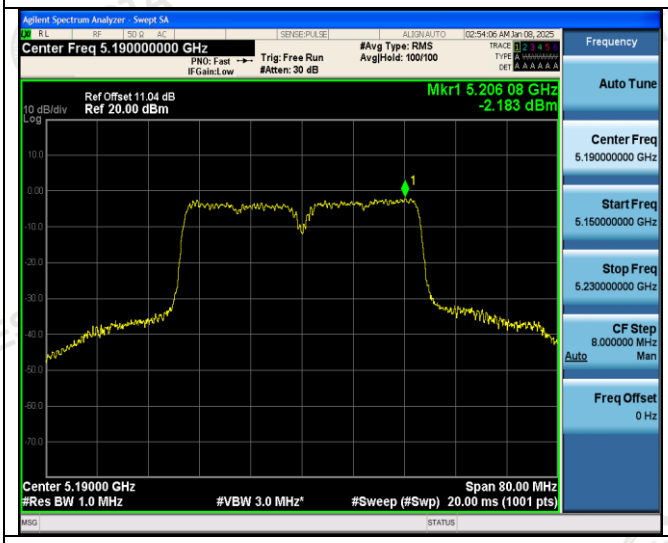
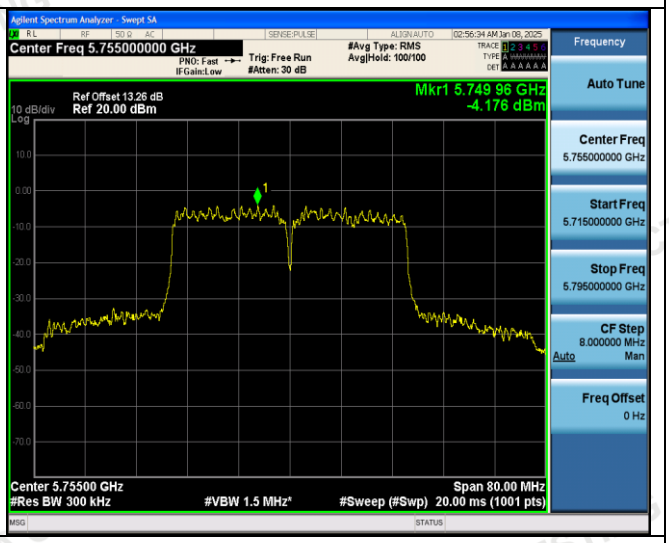
802.11ax(HT40)

U-NII 1

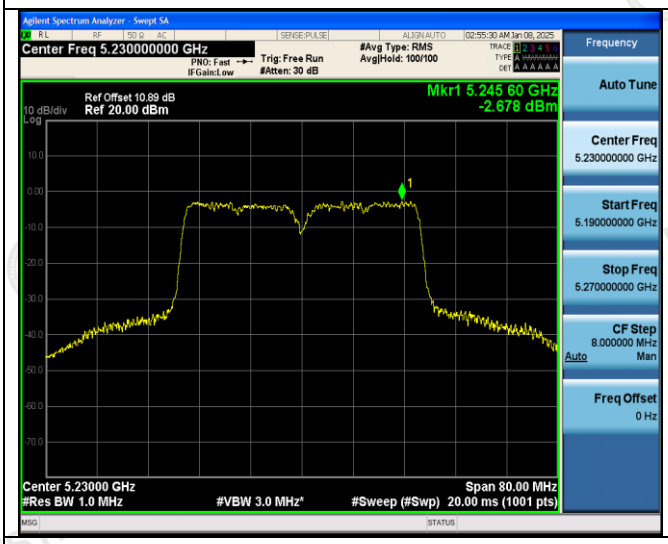


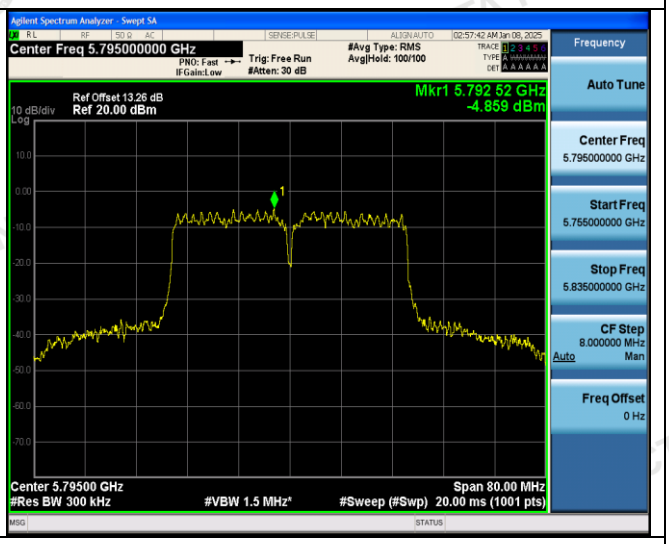
U-NII 3



CH38

CH151





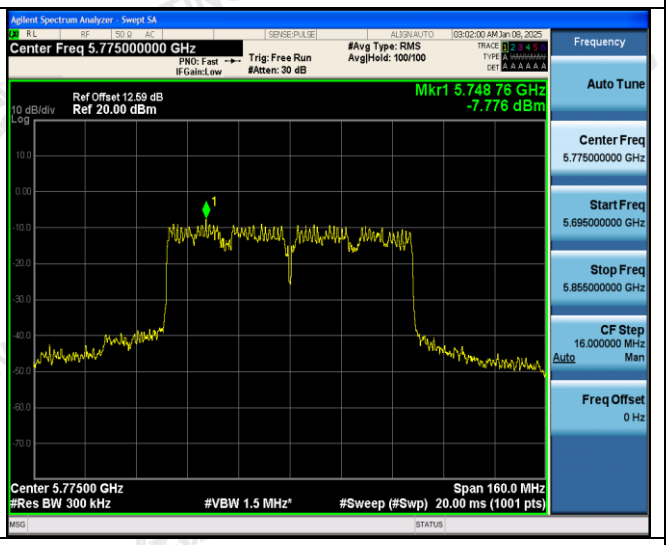
CH46

CH159

802.11ax(HT80)

U-NII 1

U-NII 3



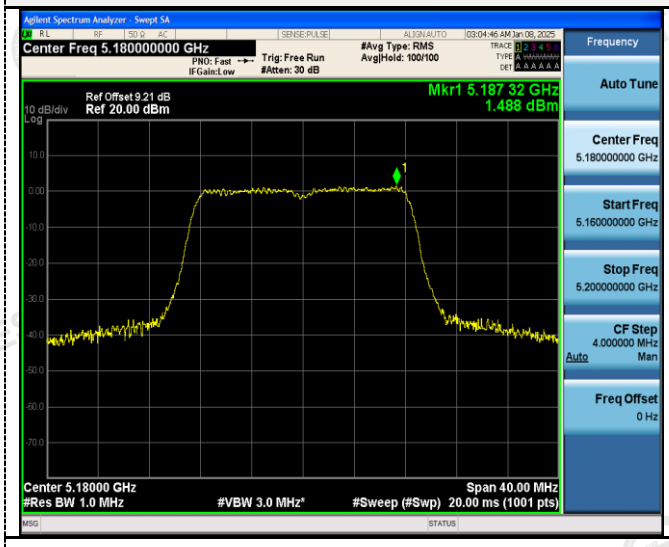
CH42

CH155

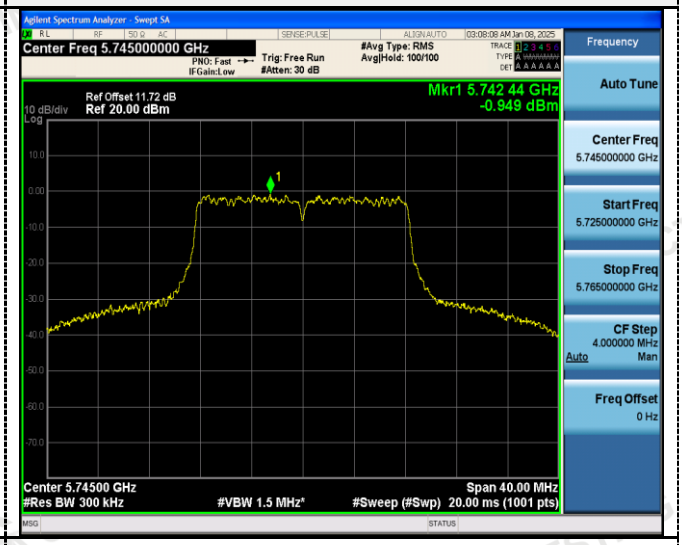
ANT 2

802.11a

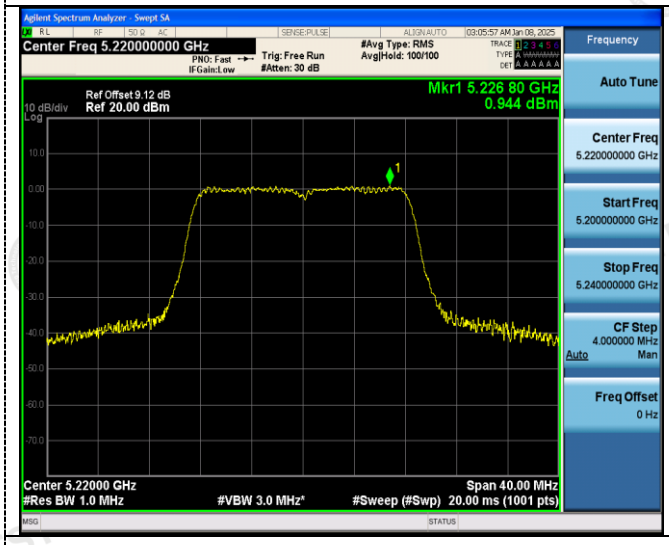
U-NII 1



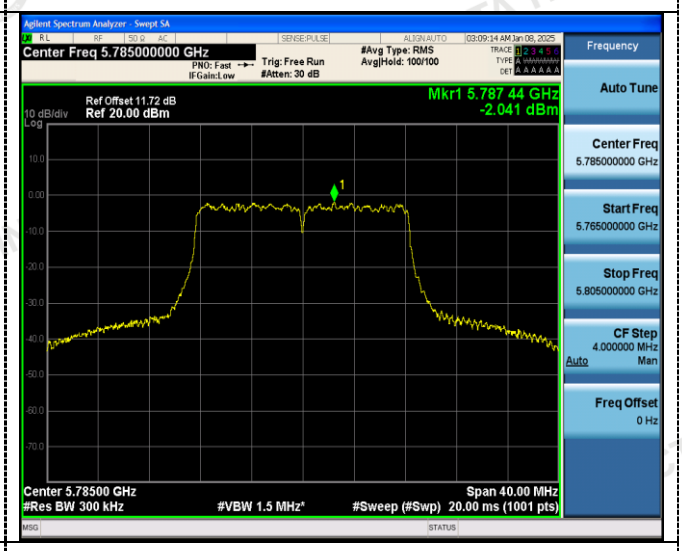
U-NII 3



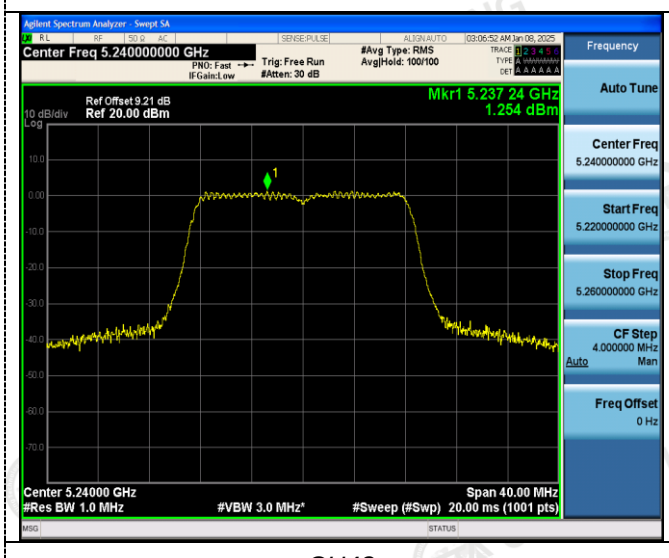
CH36



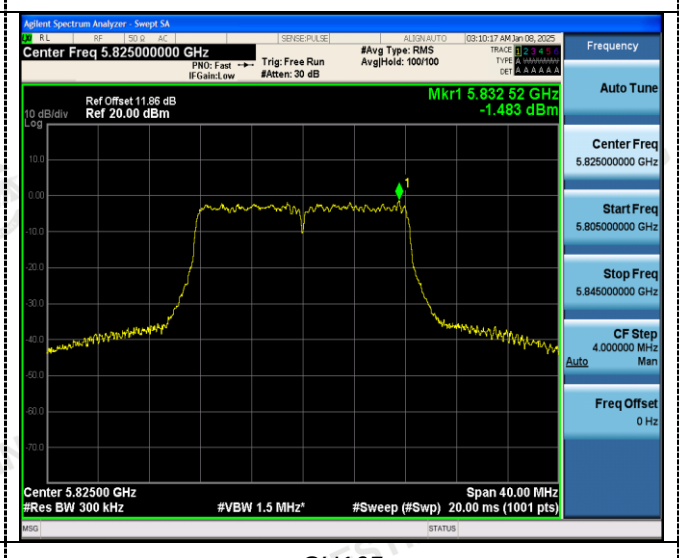
CH149



CH40

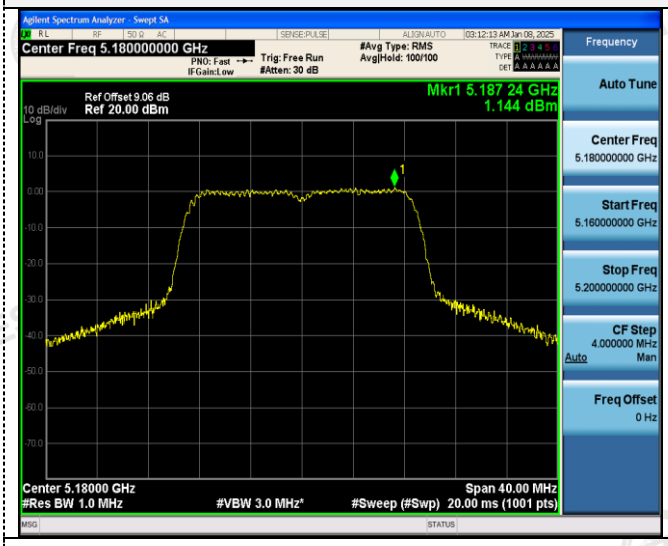
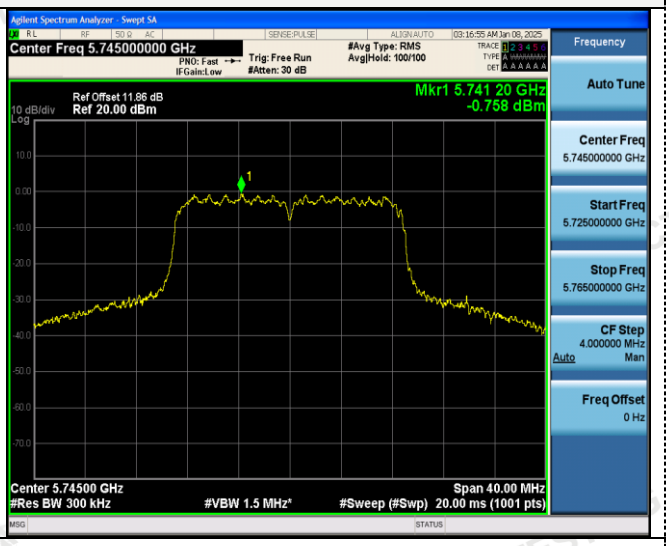
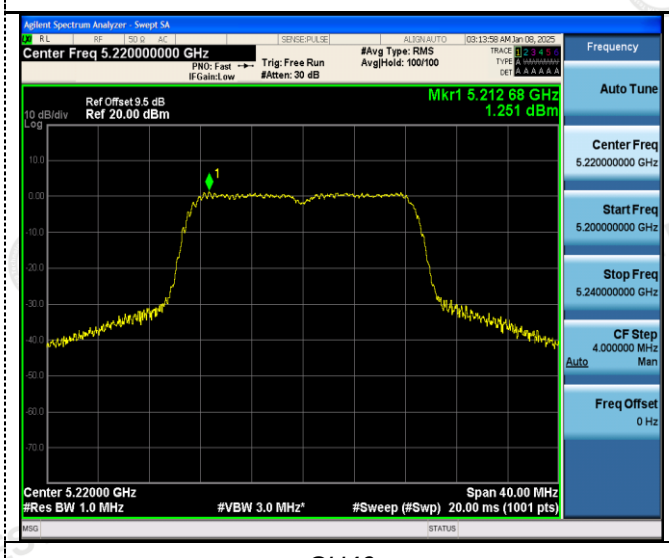
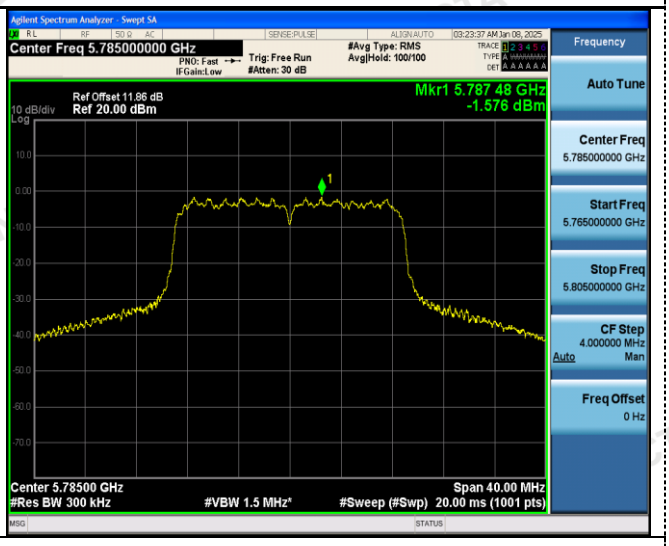
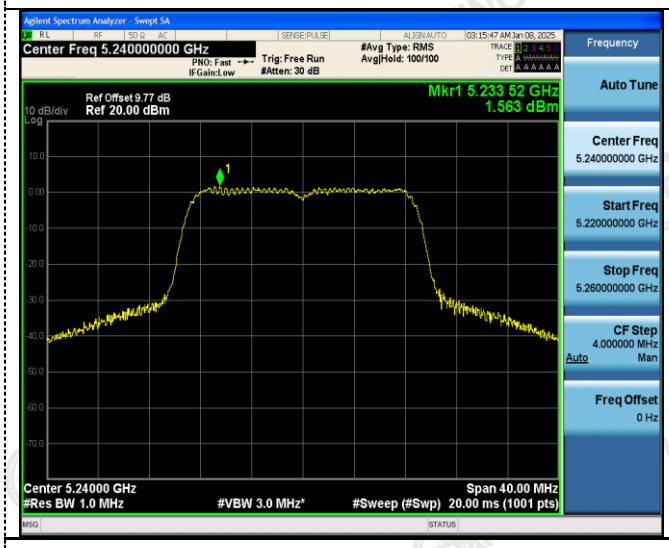
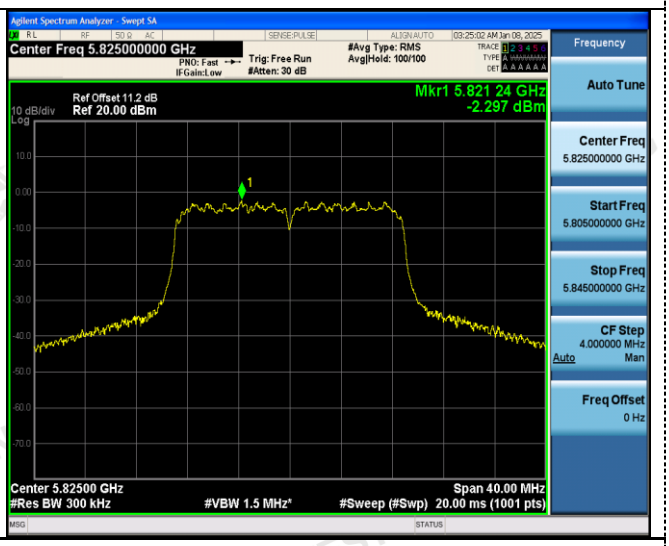


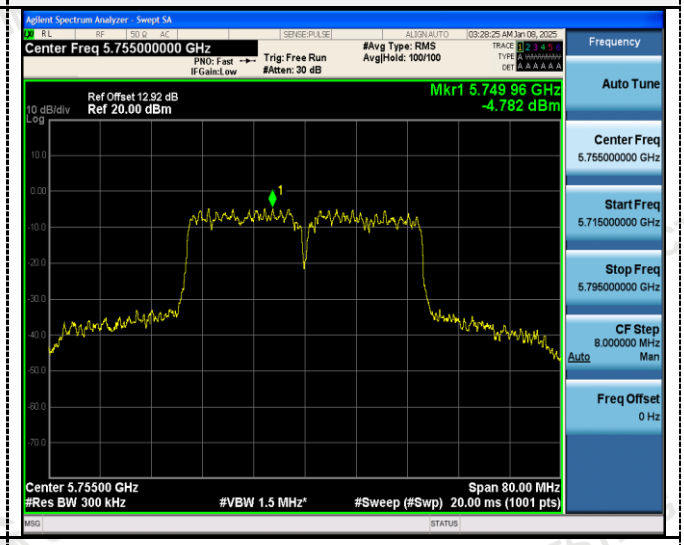
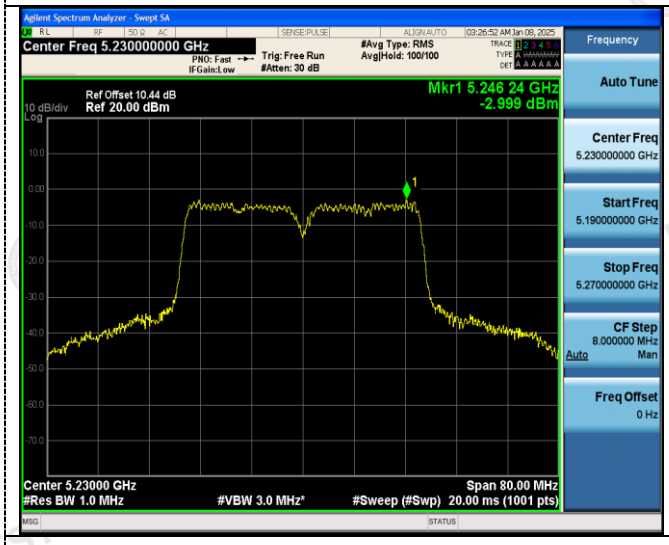
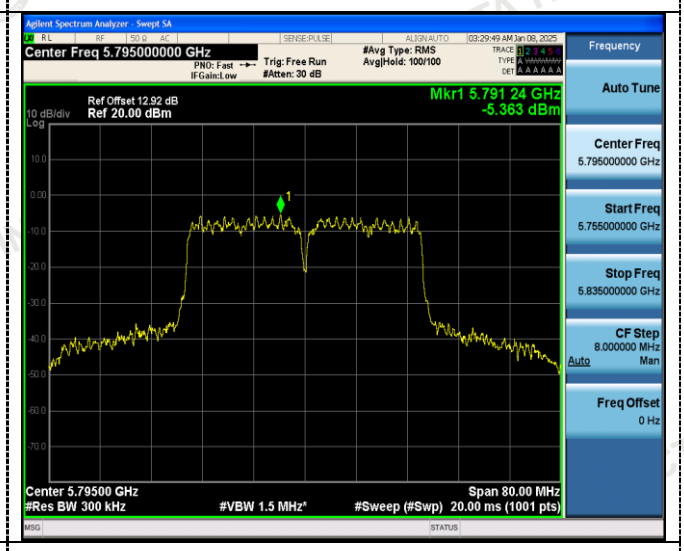
CH157



CH48

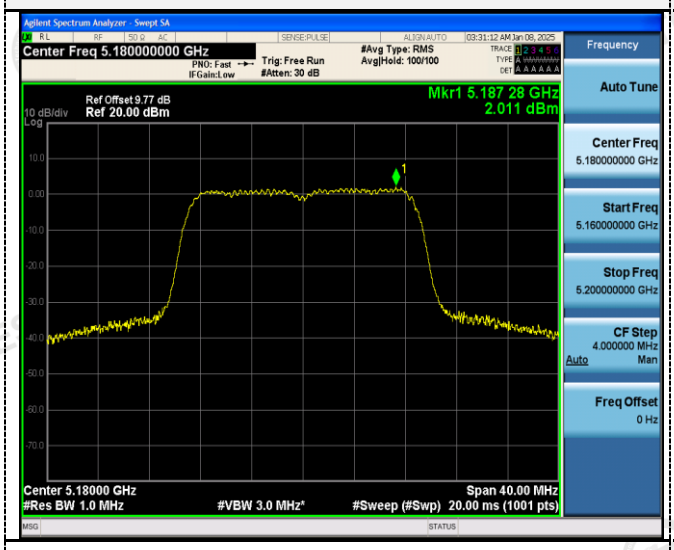
CH165

802.11n(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

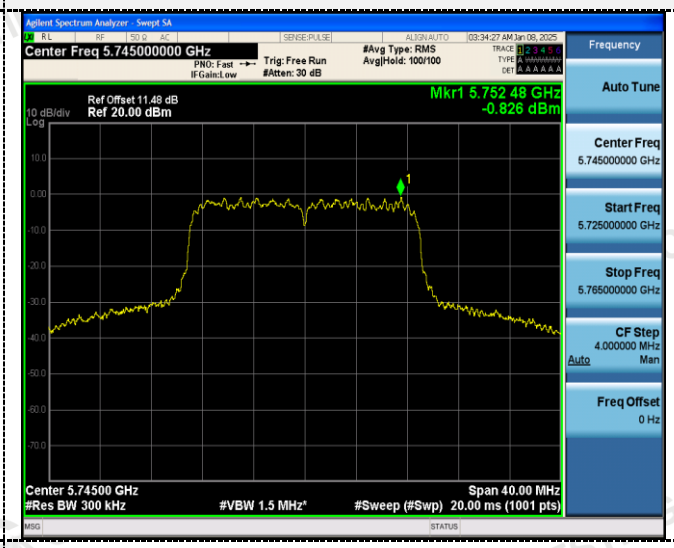
802.11n(HT40)	
U-NII 1	U-NII 3
	
CH38	CH151
	
CH46	CH159

802.11ac(HT20)

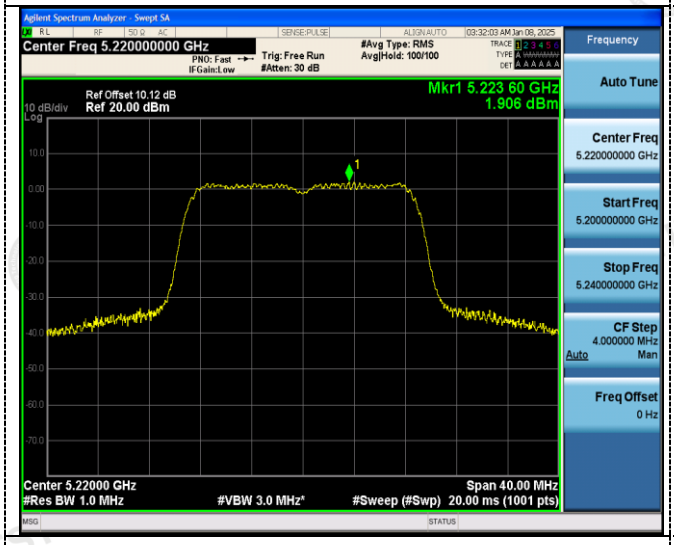
U-NII 1



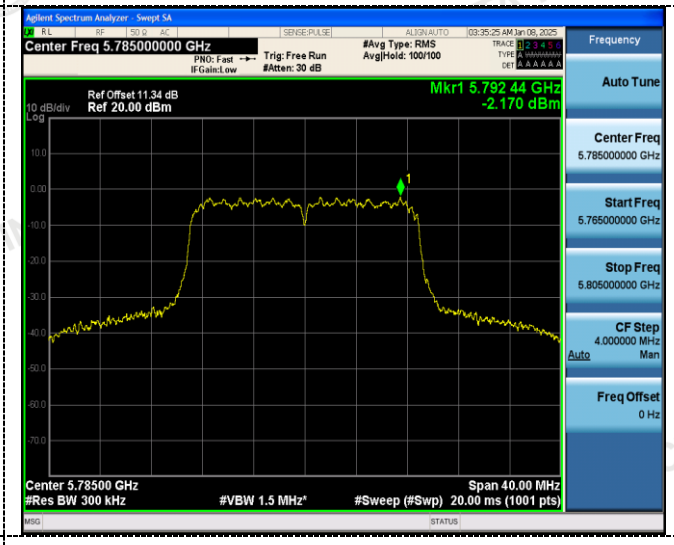
U-NII 3



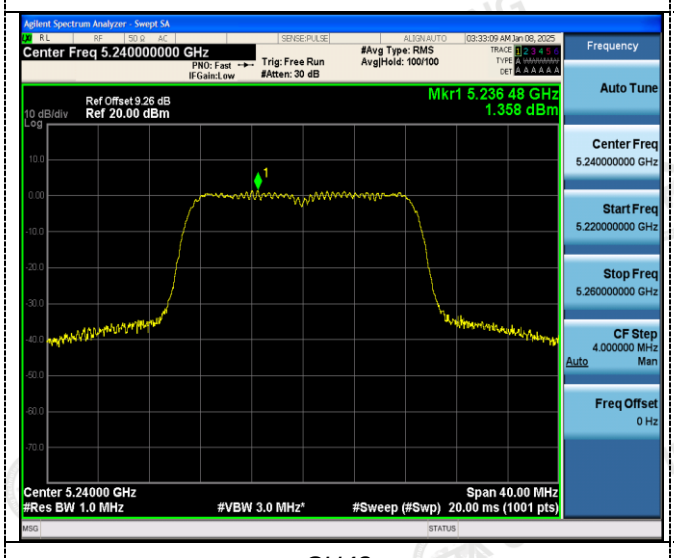
CH36



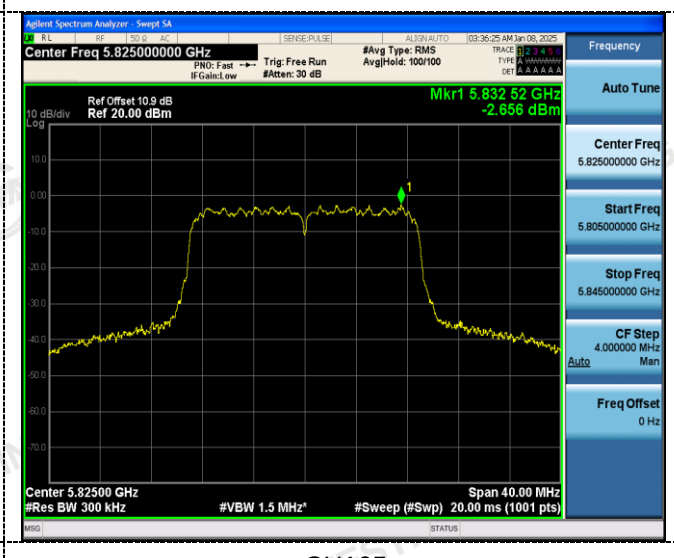
CH149



CH40



CH157

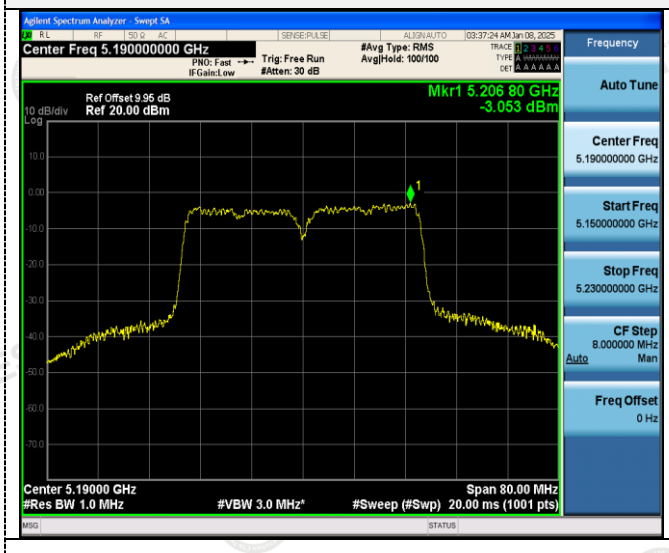


CH48

CH165

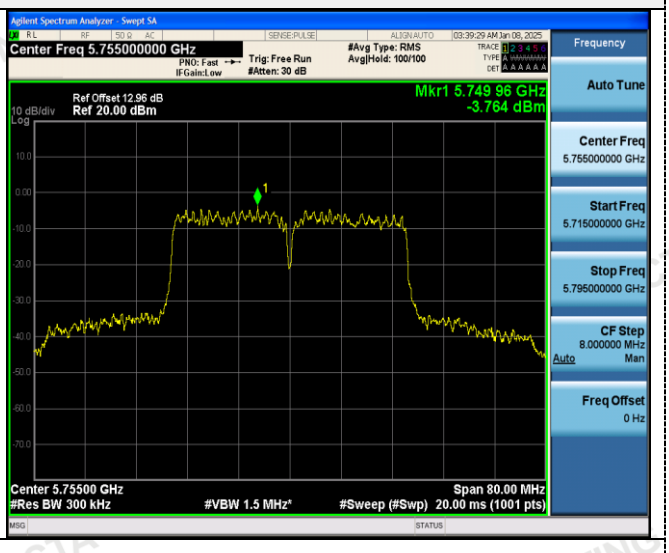
802.11ac(HT40)

U-NII 1

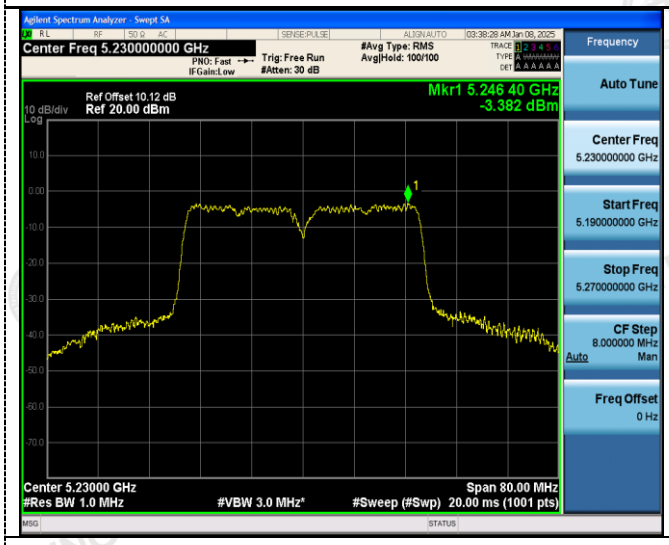


CH38

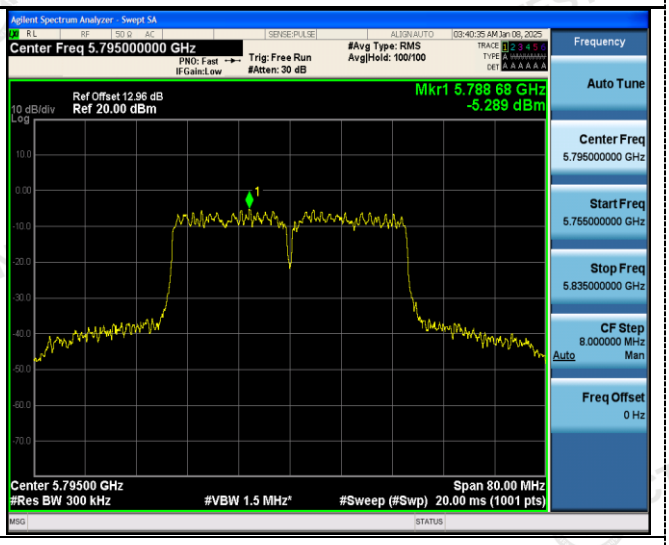
U-NII 3



CH151



CH46



CH159

802.11ac(HT80)

U-NII 1

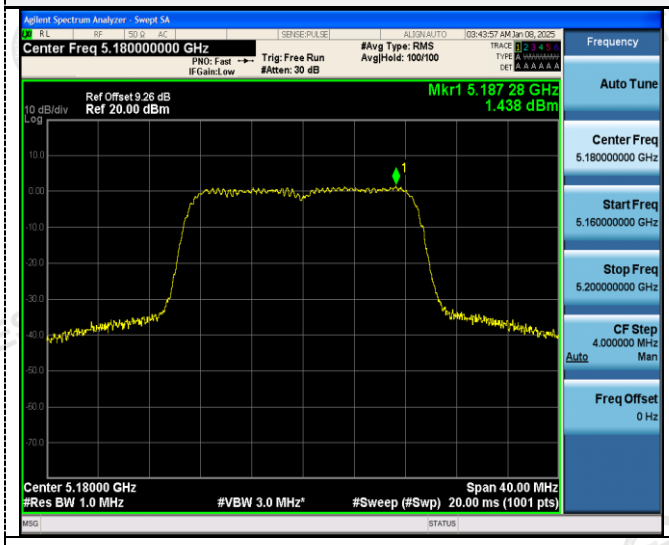
CH42

U-NII 3

CH155

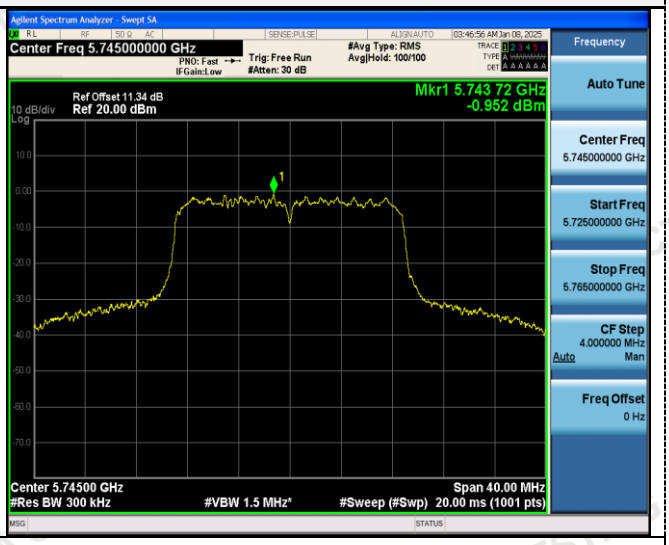
802.11ax(HT20)

U-NII 1

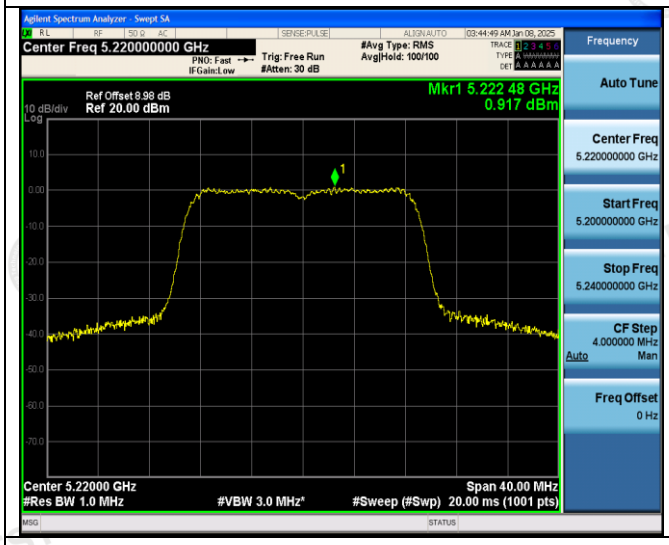


CH36

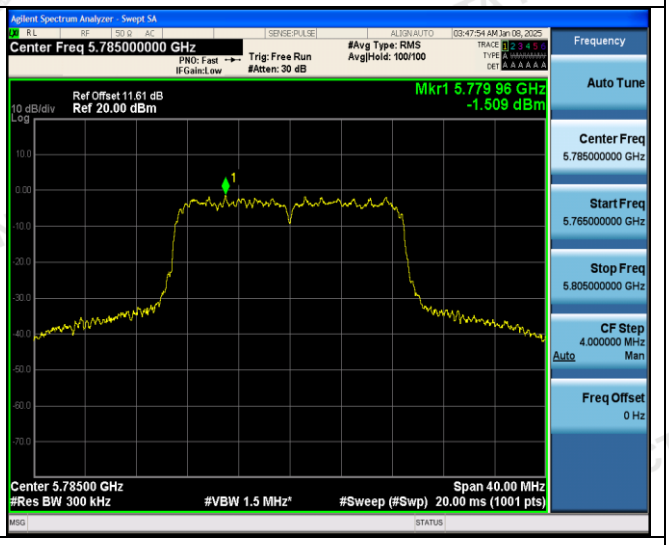
U-NII 3



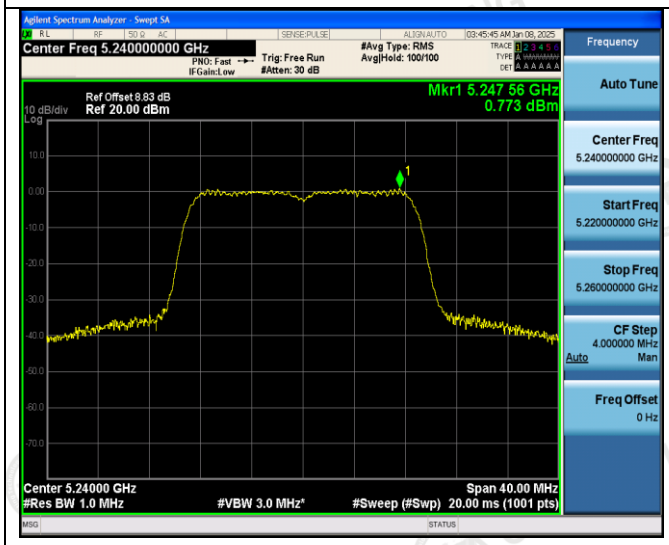
CH149



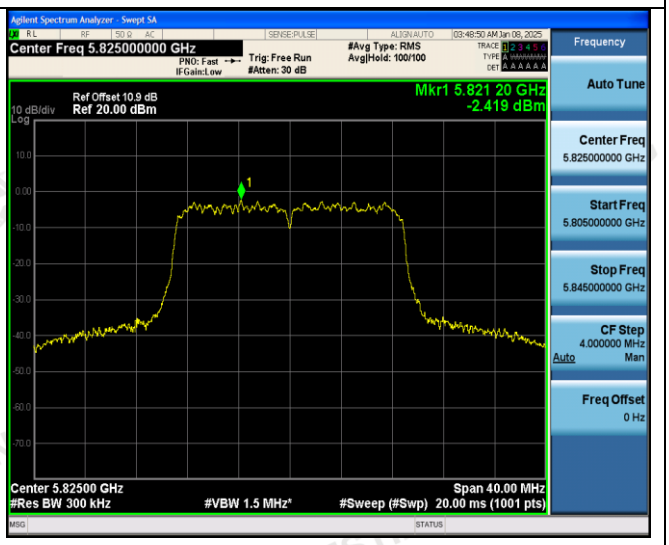
CH44



CH157



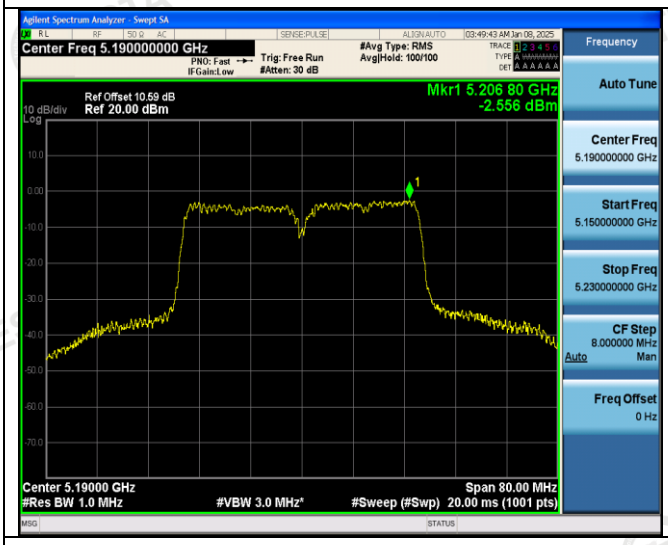
CH48



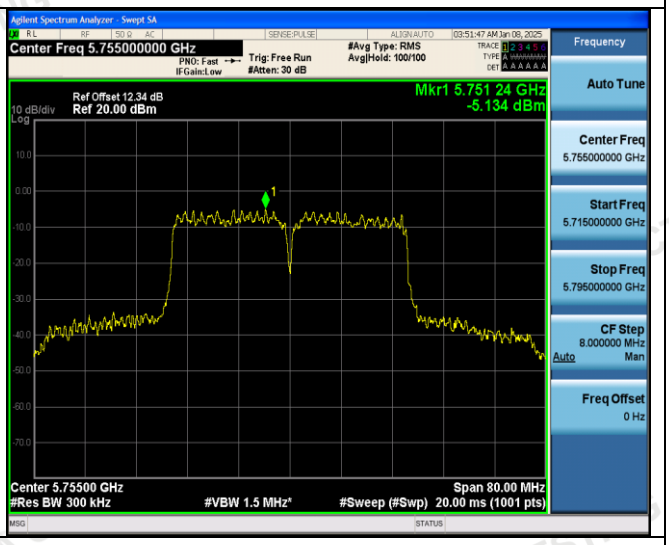
CH165

802.11ax(HT40)

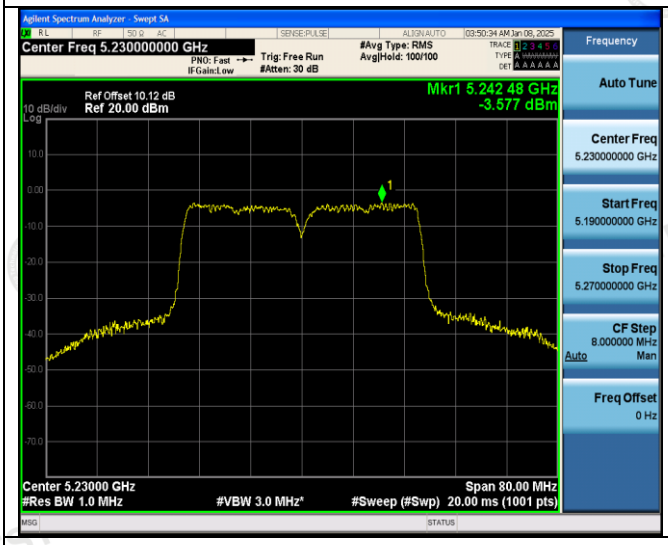
U-NII 1



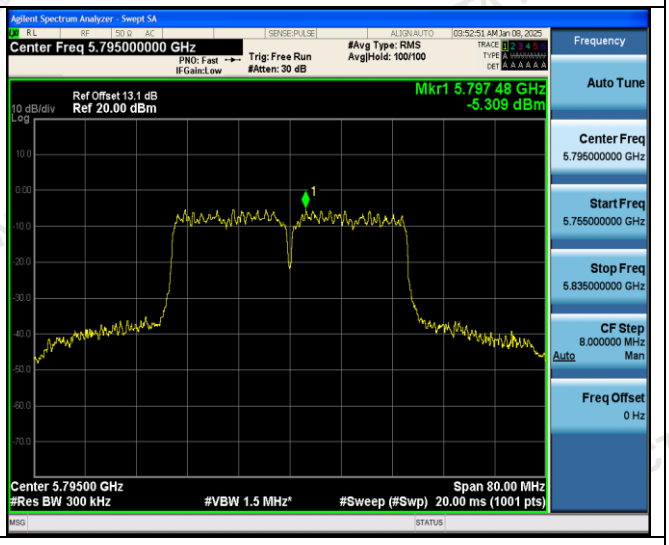
U-NII 3



CH38



CH151

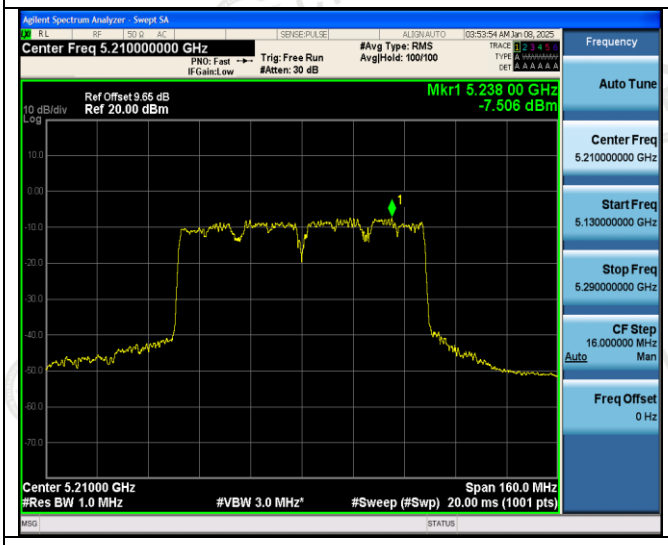


CH46

CH159

802.11ax(HT80)

U-NII 1



U-NII 3

CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

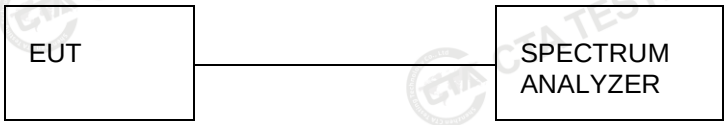
Limit

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

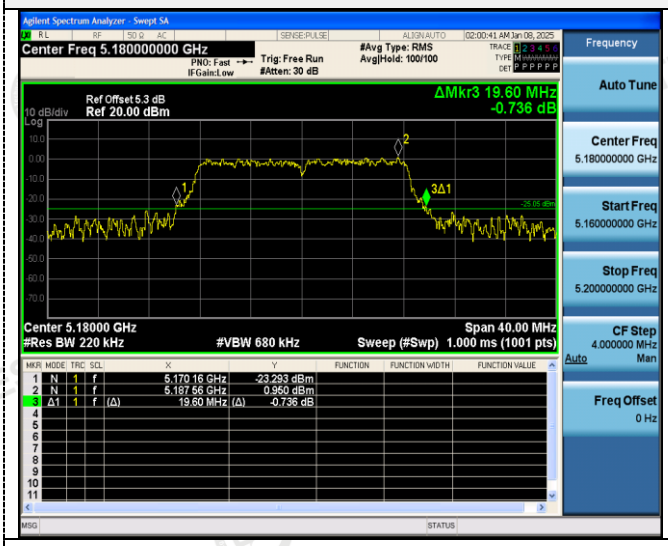
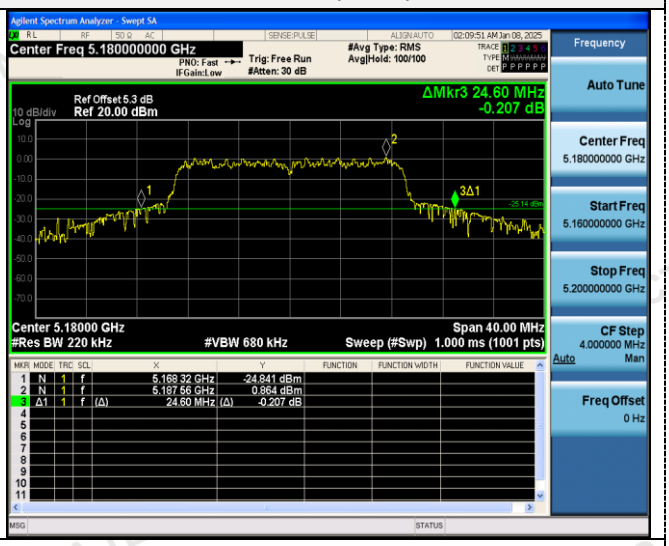
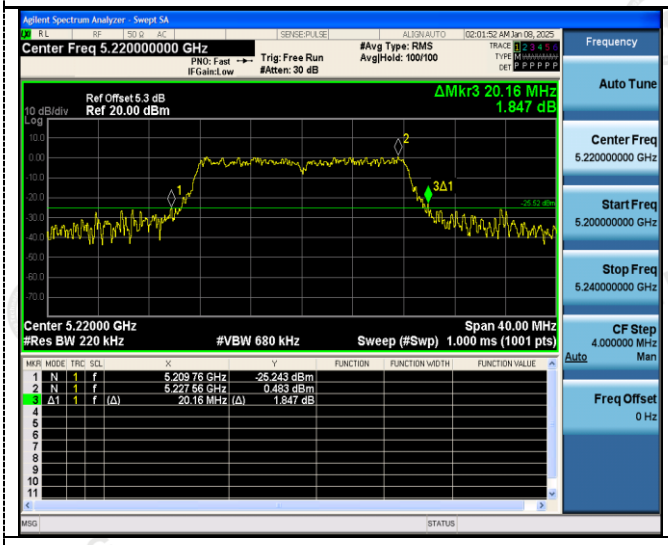
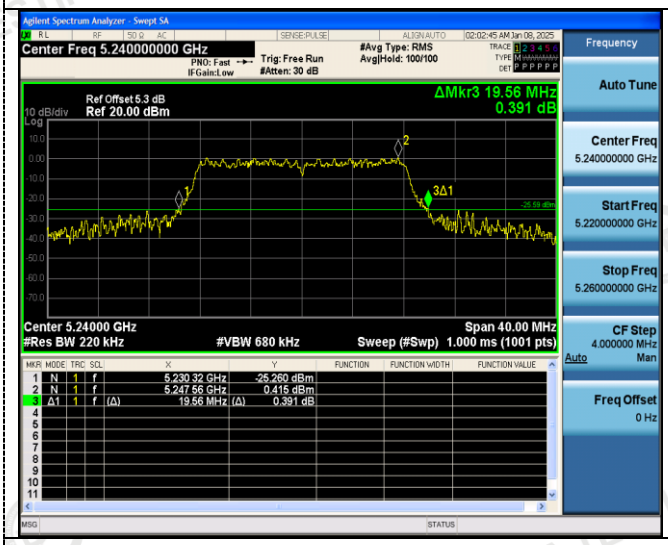
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.600	N/A	Pass
		44	20.160		
		48	19.560		
802.11n(HT20)	U-NII 1	36	24.600		
		44	24.800		
		48	25.120		
802.11n(HT40)	U-NII 1	38	42.800		
		46	53.520		
802.11ac(HT20)	U-NII 1	36	22.560		
		44	26.160		
		48	23.080		
802.11ac(HT40)	U-NII 1	38	49.760		
		46	53.040		
802.11ac(HT80)	U-NII 1	42	82.240		
802.11ax(HT20)	U-NII 1	36	23.280		
		44	22.600		
		48	24.640		
802.11ax(HT40)	U-NII 1	38	50.160		
		46	51.760		
802.11ax(HT80)	U-NII 1	42	82.240		

ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	22.400	N/A	Pass
		44	21.160		
		48	23.120		
802.11n(HT20)	U-NII 1	36	24.440		
		44	25.080		
		48	24.960		
802.11n(HT40)	U-NII 1	38	48.640		
		46	43.840		
802.11ac(HT20)	U-NII 1	36	20.840		
		44	22.400		
		48	23.640		
802.11ac(HT40)	U-NII 1	38	49.760		
		46	50.880		
802.11ac(HT80)	U-NII 1	42	81.600		
802.11ax(HT20)	U-NII 1	36	20.520		
		44	22.120		
		48	25.480		
802.11ax(HT40)	U-NII 1	38	45.680		
		46	52.000		
802.11ax(HT80)	U-NII 1	42	83.200		

Test plot as follows:

ANT 1

802.11a	*802.11n(HT20)*
	
CH36	*CH36*
	
CH40	*CH40*
	
CH48	*CH48*