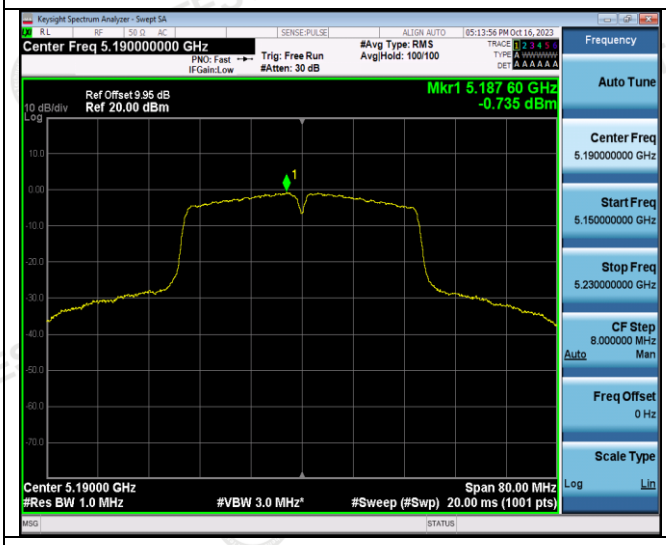
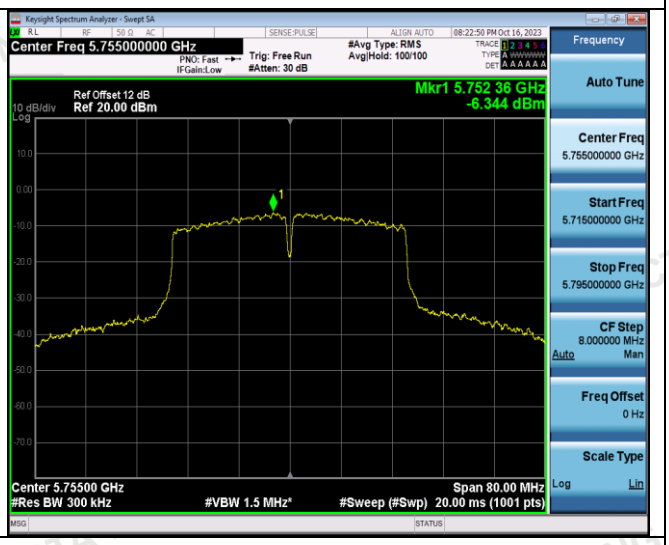
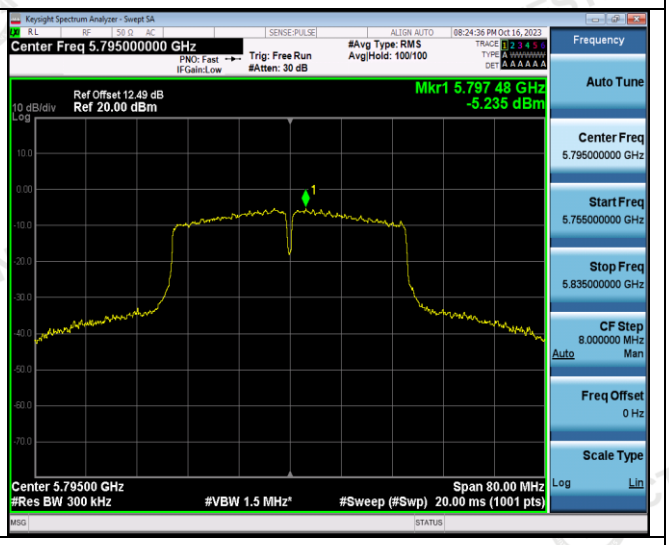
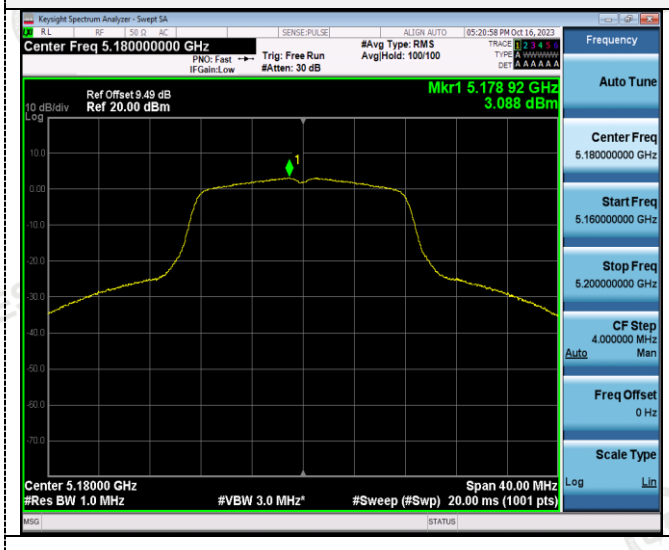
802.11ax(HT40)	
U-NII 1	U-NII 3
	
CH38	CH151
	
CH46	CH159
802.11ax(HT80)	
U-NII 1	U-NII 3
CH42	CH155

ANT 2:

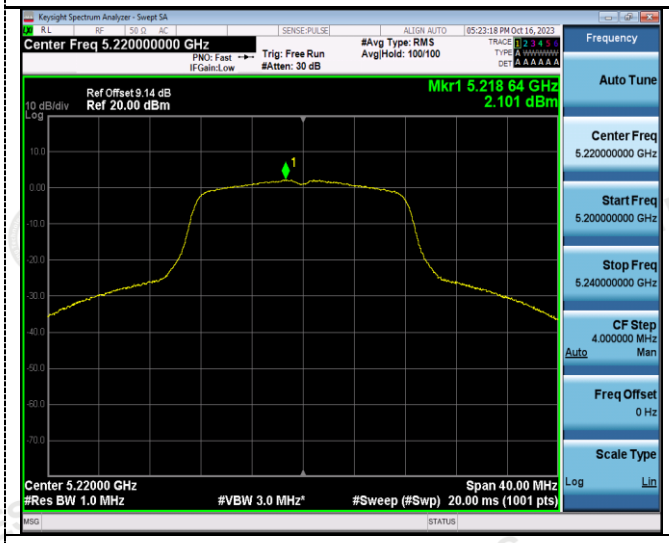
802.11a

U-NII 1



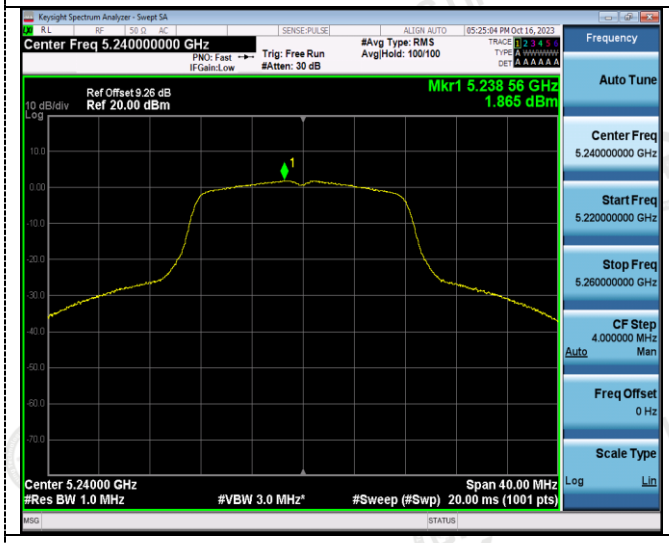
U-NII 3

CH36



CH149

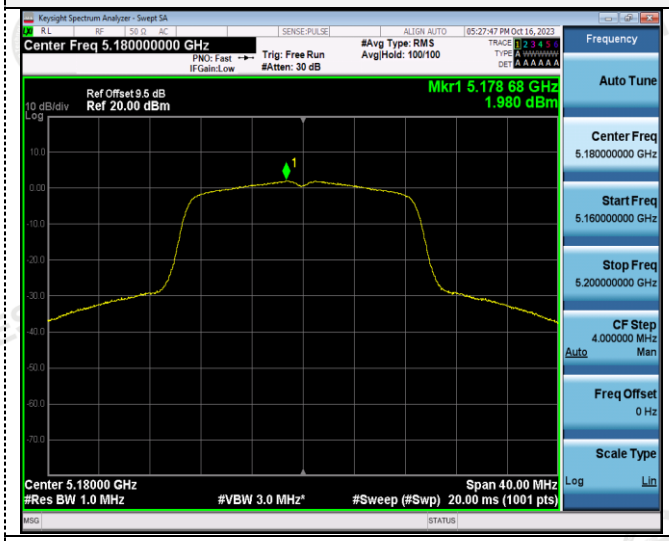
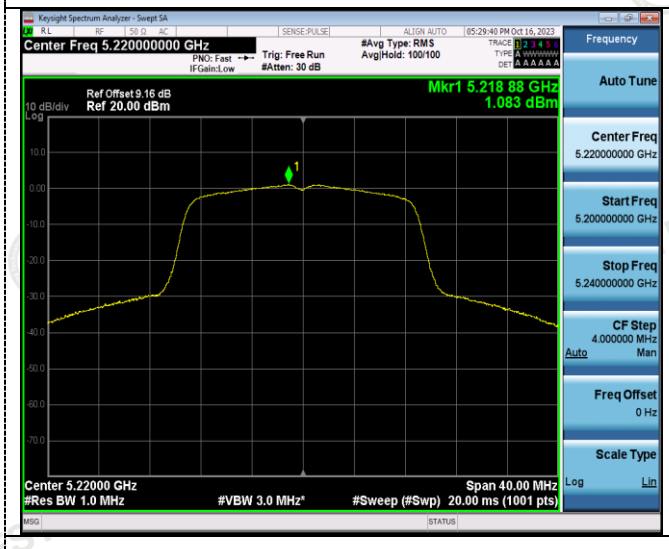
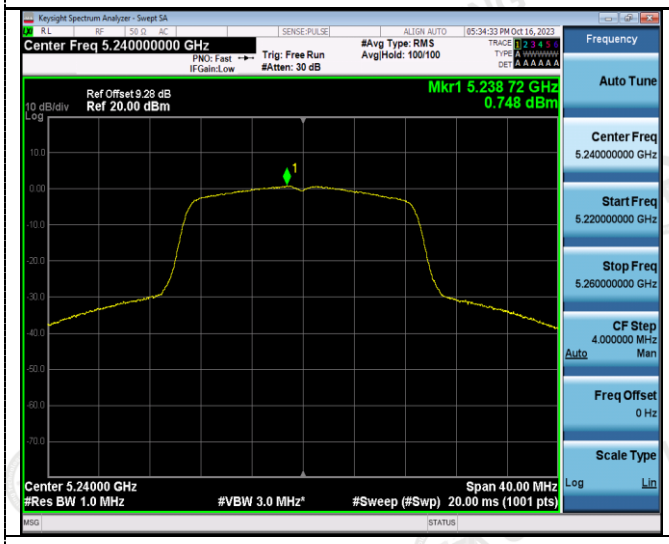
CH44

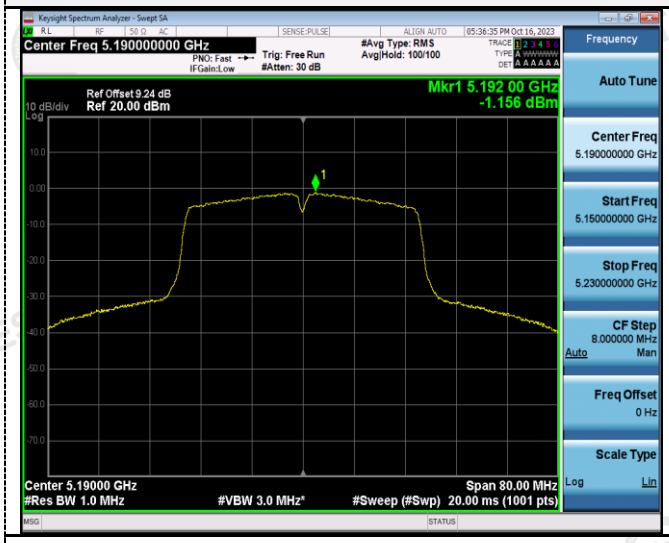
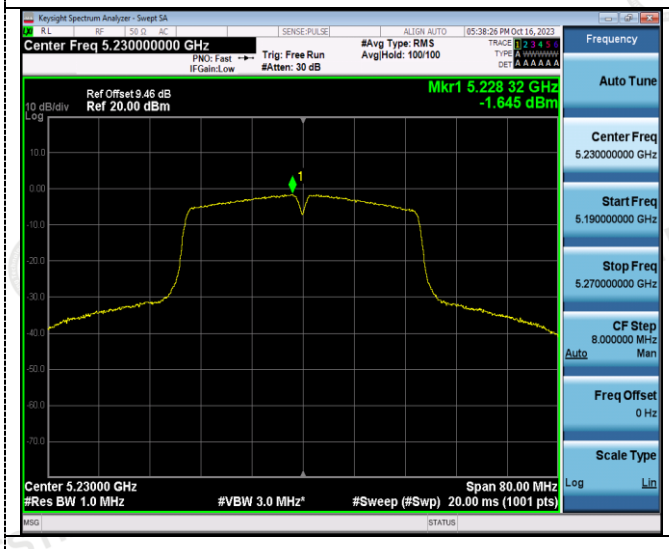
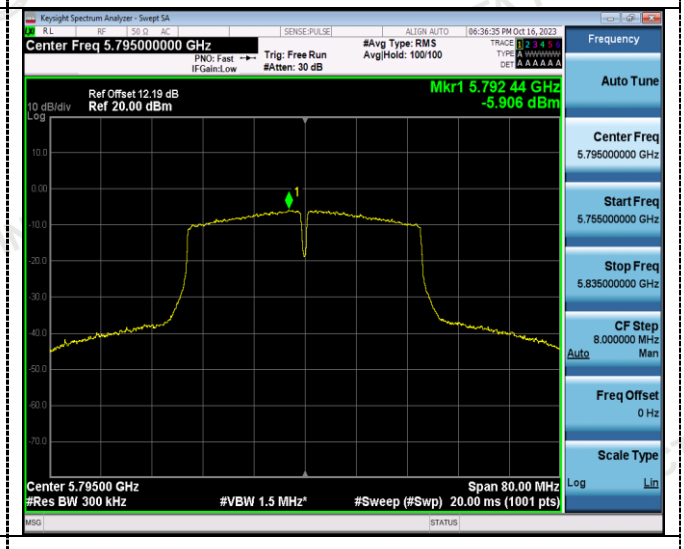


CH157

CH48

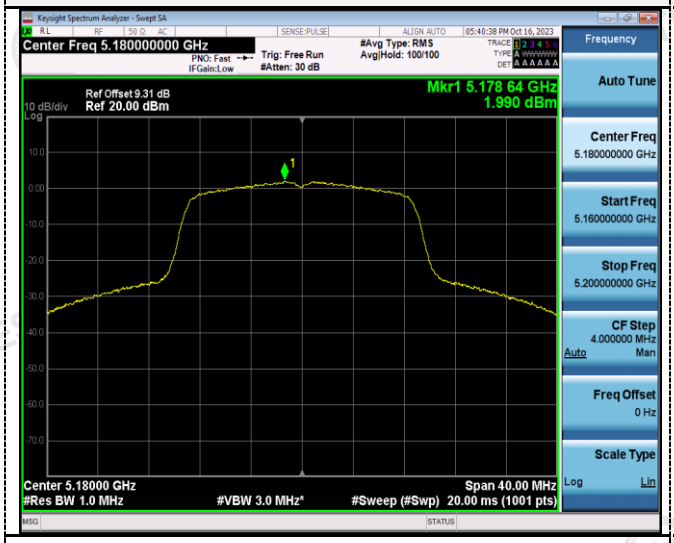
CH165

802.11n(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH44	CH157
	
CH48	CH165

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

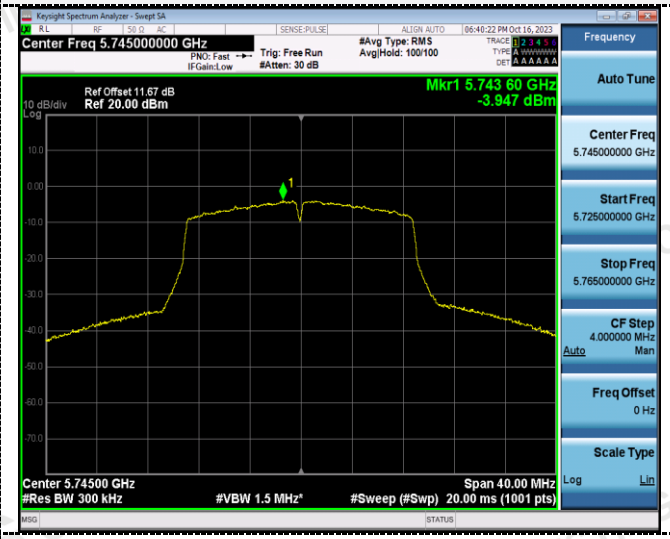
802.11ac(HT20)

U-NII 1

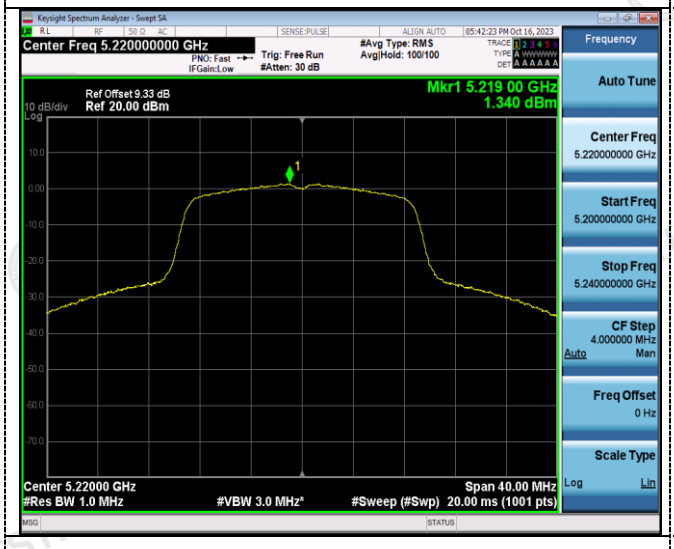


CH36

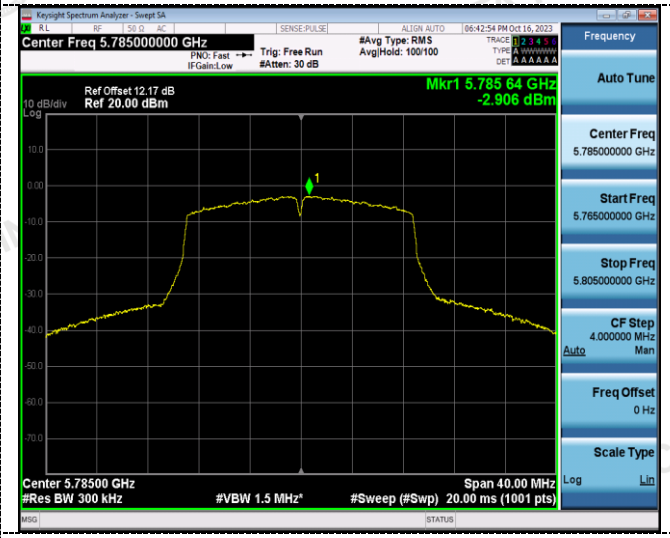
U-NII 3



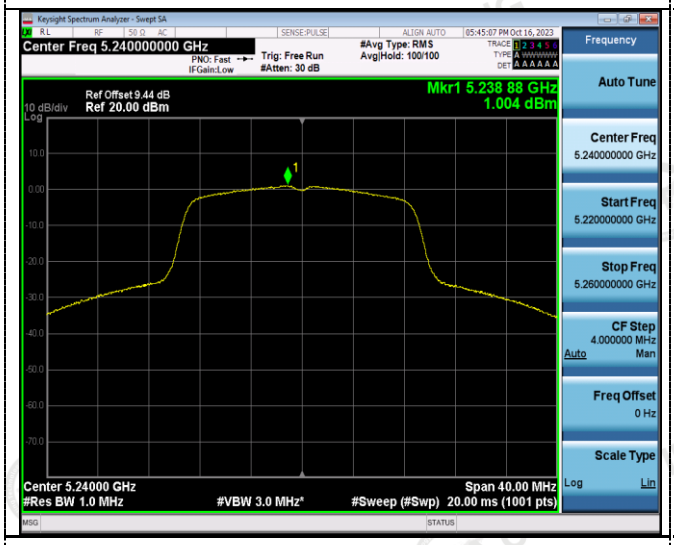
CH149



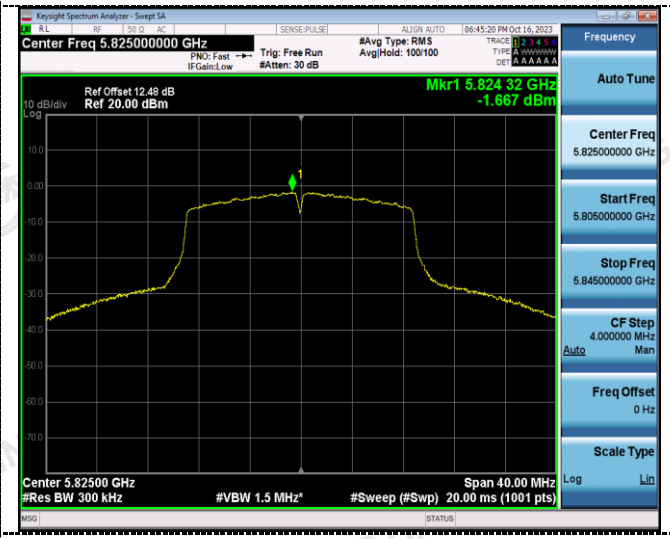
CH44



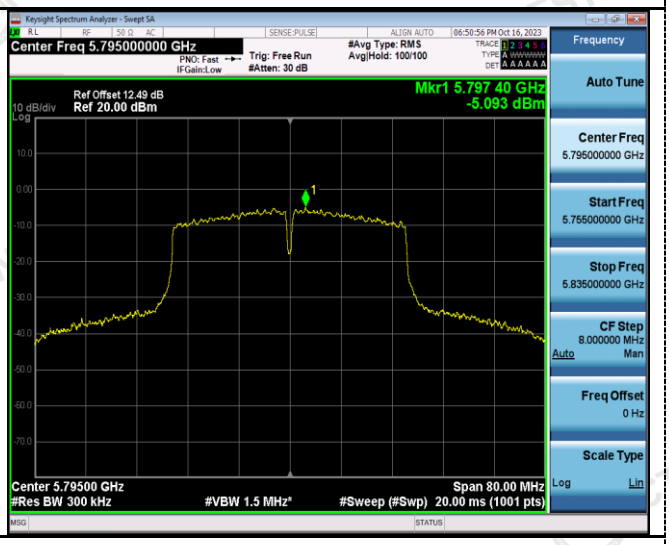
CH157

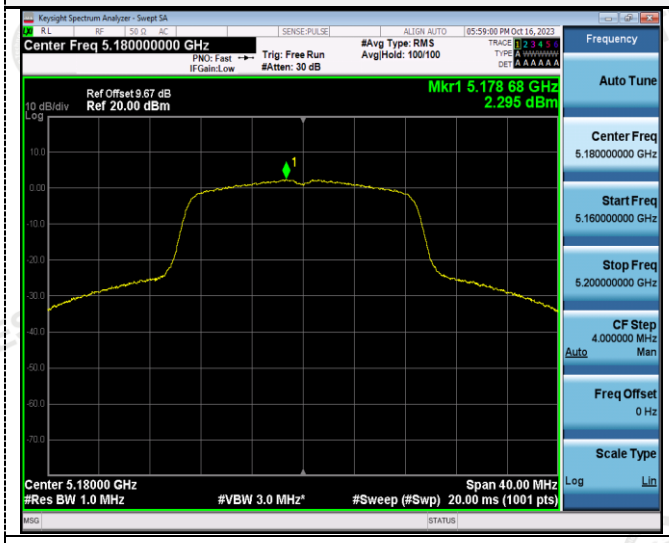
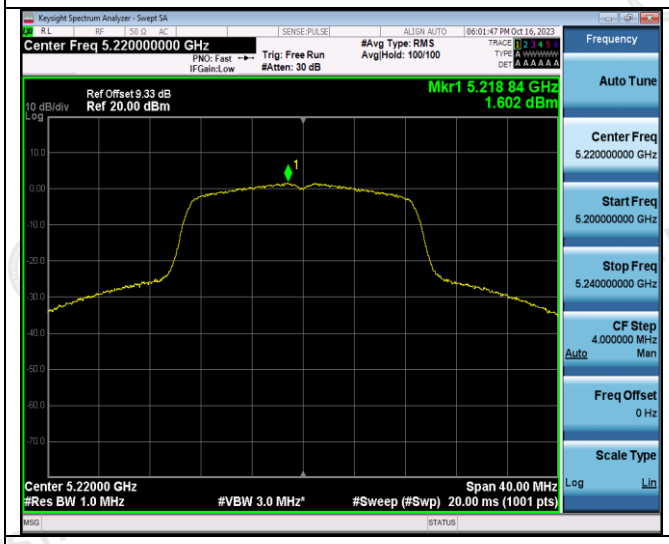
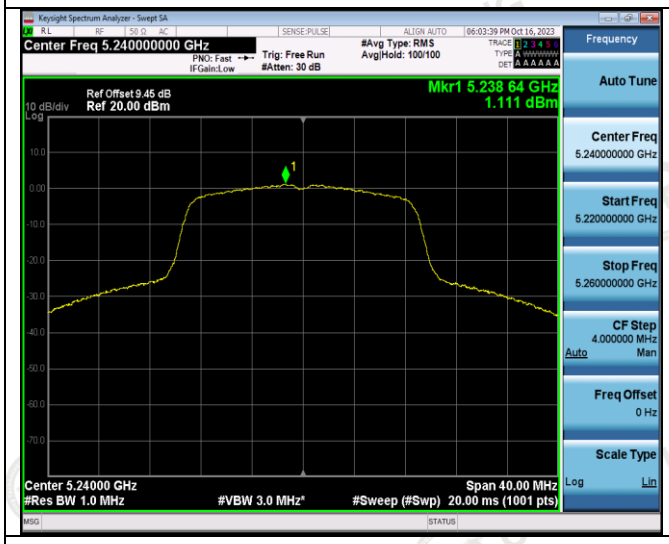


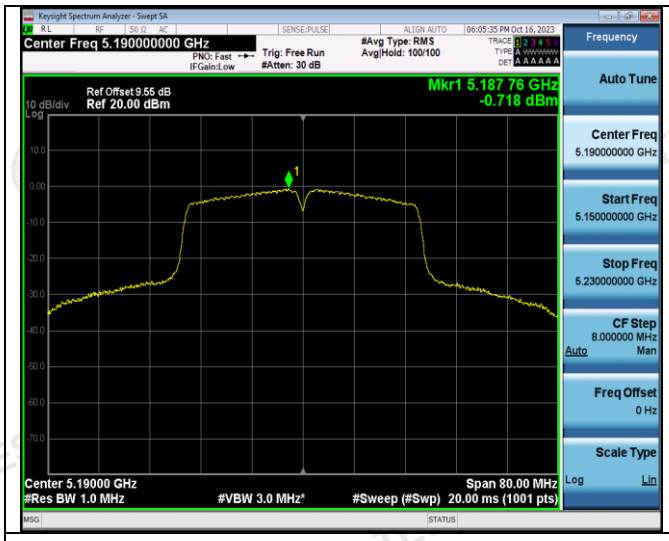
CH48



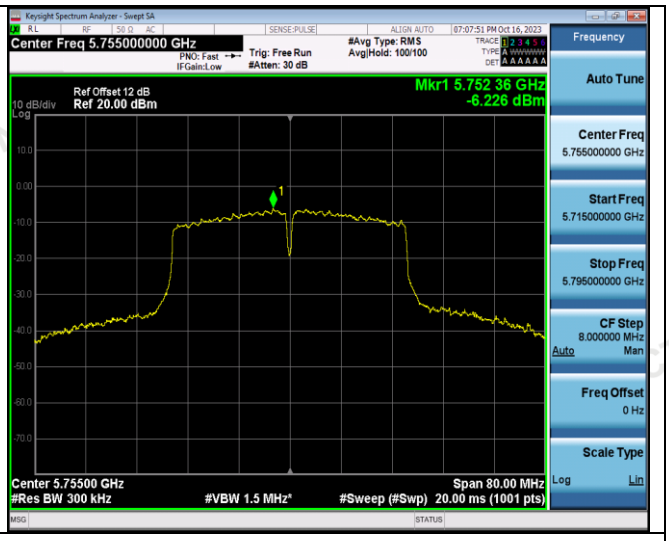
CH165

802.11ac(HT40)	
U-NII 1	U-NII 3
CH38	CH151
	
CH46	CH159
802.11ac(HT80)	
U-NII 1	U-NII 3
CH42	CH155

802.11ax(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH44	CH157
	
CH48	CH165
802.11ax(HT40)	
U-NII 1	U-NII 3

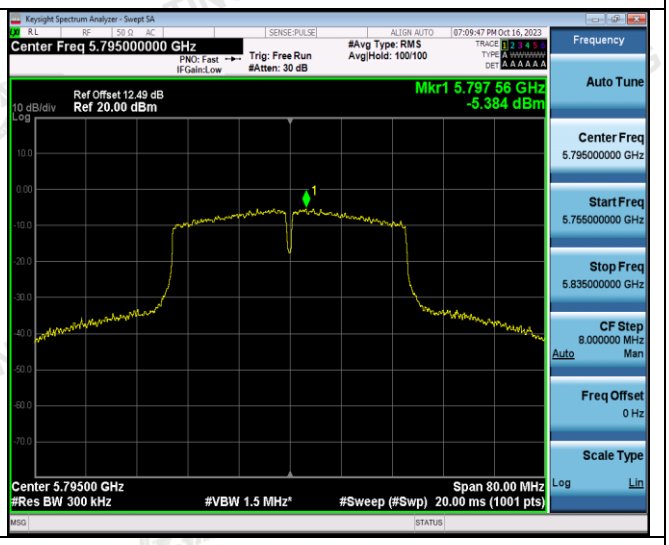


CH38



CH151

CH46



CH159

802.11ax(HT80)

U-NII 1

U-NII 3

CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

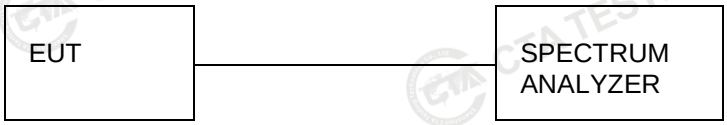
Limit

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	20.520	N/A	Pass
		44	23.000		
		48	23.400		
802.11n(HT20)	U-NII 1	36	20.200		
		44	20.400		
		48	20.160		
802.11n(HT40)	U-NII 1	38	40.880		
		46	40.880		
802.11ac(HT20)	U-NII 1	36	20.480		
		44	20.560		
		48	21.040		
802.11ac(HT40)	U-NII 1	38	52.880		
		46	59.840		
802.11ac(HT80)	U-NII 1	42	115.680		
802.11ax(HT20)	U-NII 1	36	21.920		
		44	22.240		
		48	20.560		
802.11ax(HT40)	U-NII 1	38	42.480		
		46	42.160		
802.11ax(HT80)	U-NII 1	42	92.320		

ANT 2:

Type	Bands	Channel	26Db Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	24.360	N/A	Pass
		44	22.280		
		48	25.400		
802.11n(HT20)	U-NII 1	36	20.440		
		44	20.440		
		48	20.280		
802.11n(HT40)	U-NII 1	38	40.960		
		46	41.040		
802.11ac(HT20)	U-NII 1	36	20.360		
		44	22.360		
		48	23.240		
802.11ac(HT40)	U-NII 1	38	48.880		
		46	58.880		
802.11ac(HT80)	U-NII 1	42	100.160		
802.11ax(HT20)	U-NII 1	36	20.760		
		44	23.920		
		48	23.960		
802.11ax(HT40)	U-NII 1	38	60.080		
		46	60.160		
802.11ax(HT80)	U-NII 1	42	92.320		

Test plot as follows: