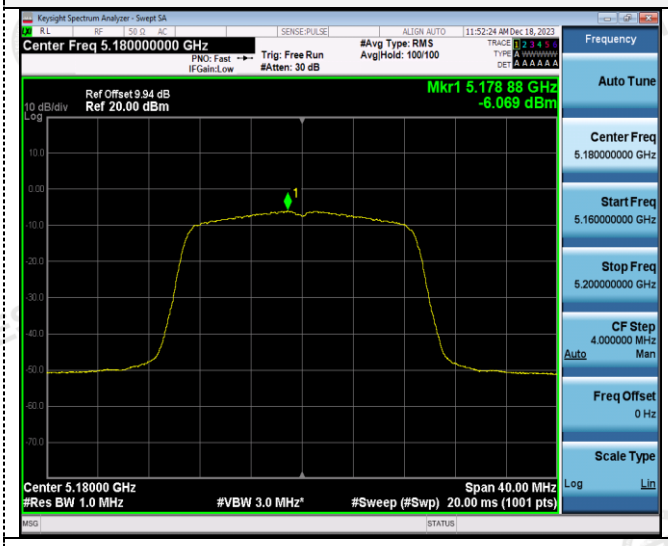
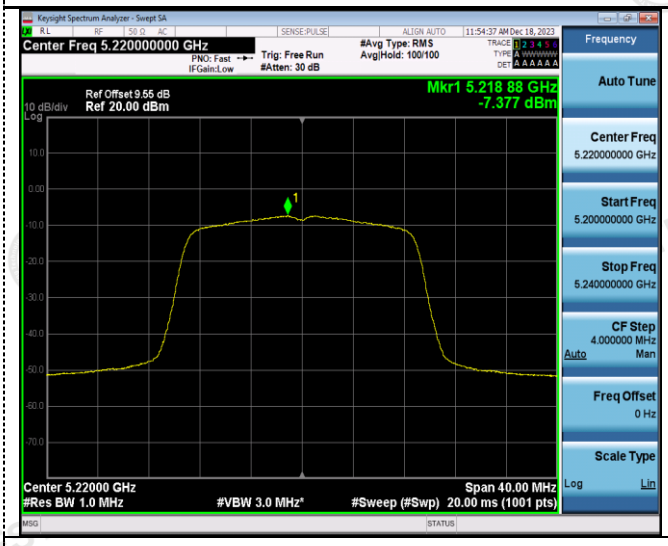
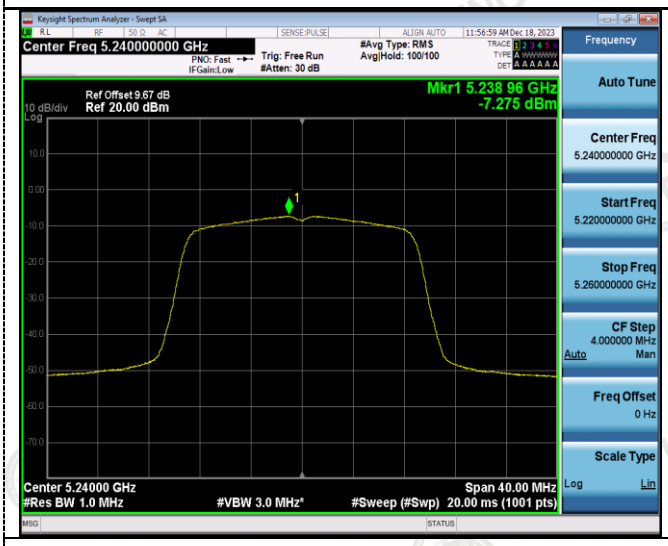
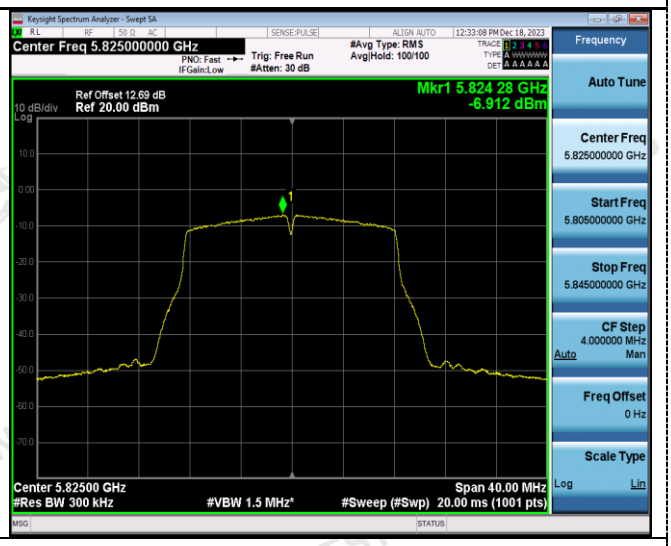
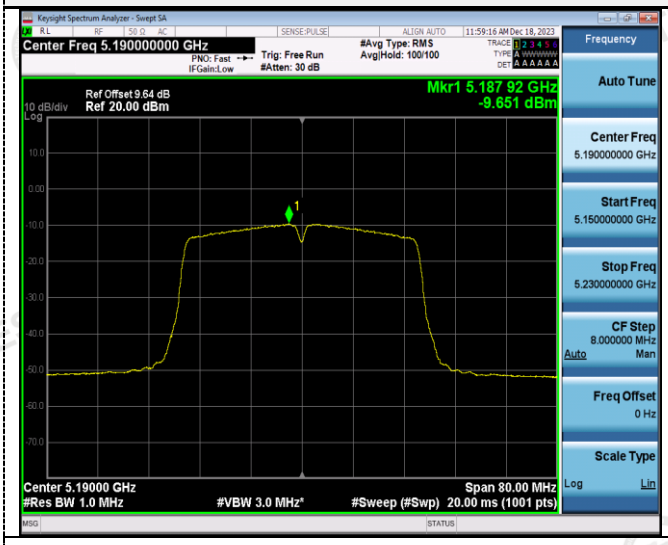
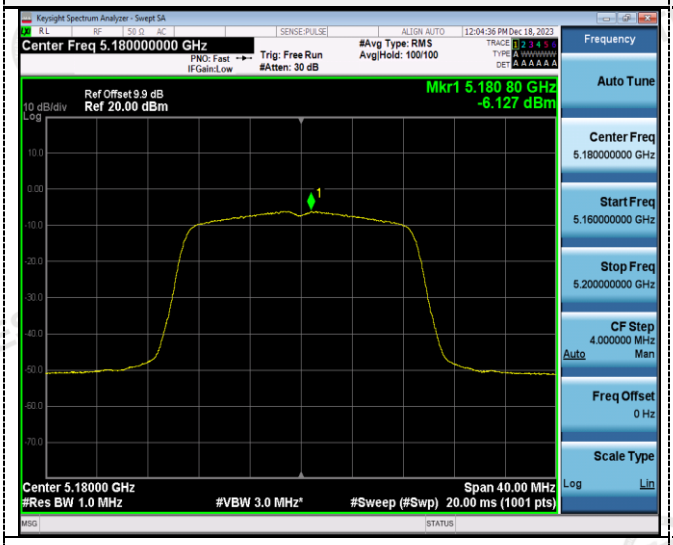
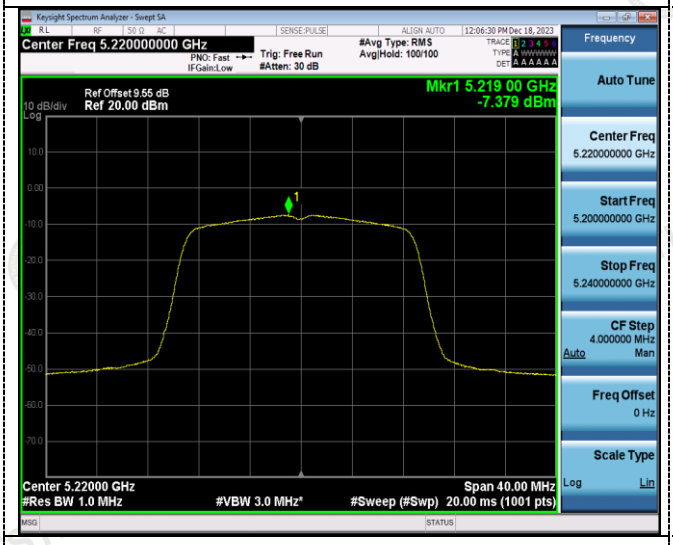
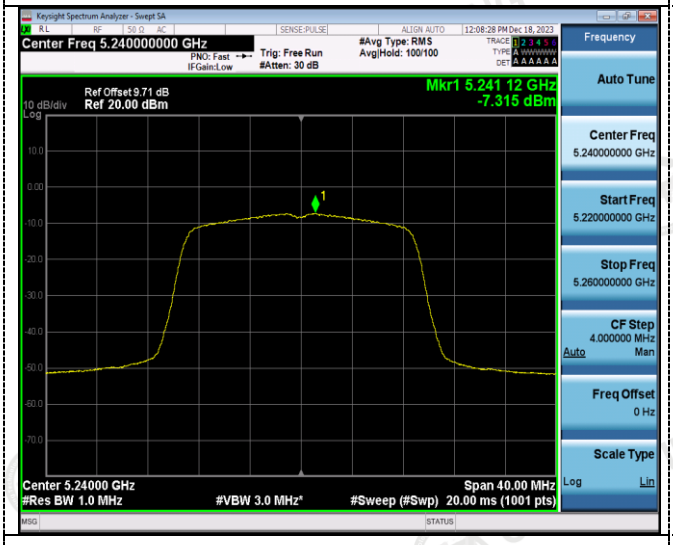
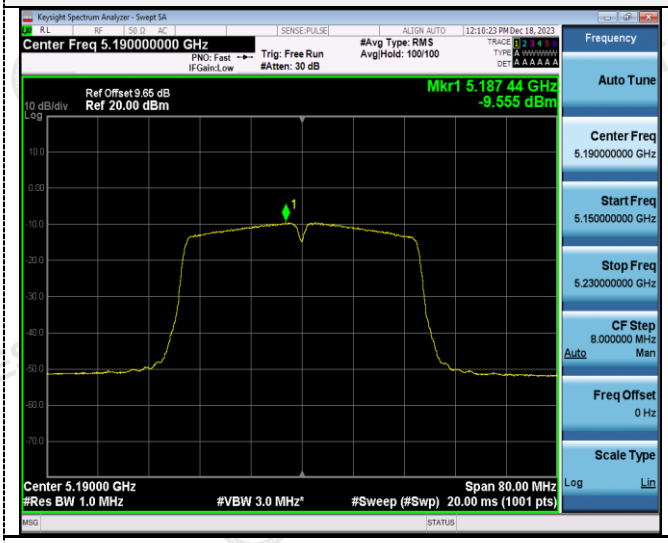
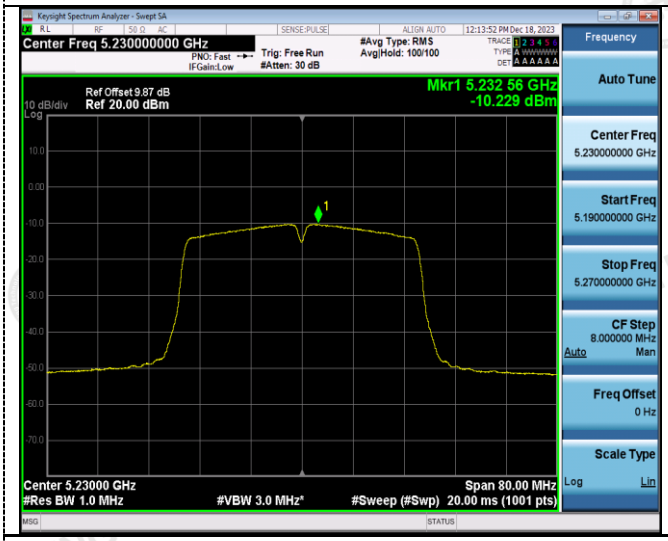
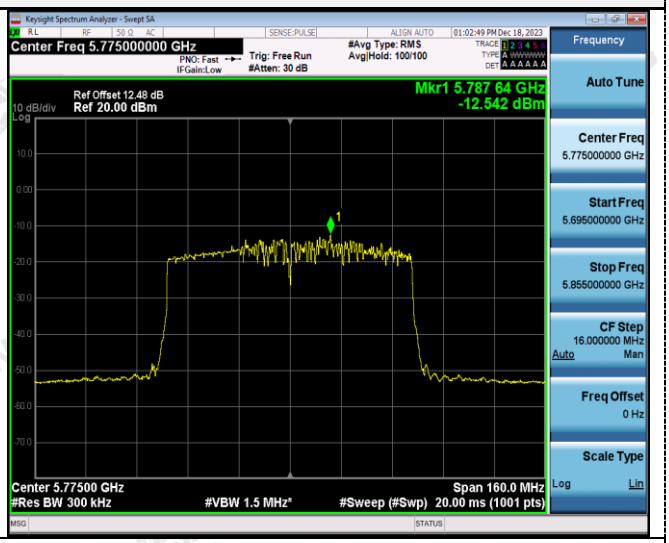
802.11n(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

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

802.11ac(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

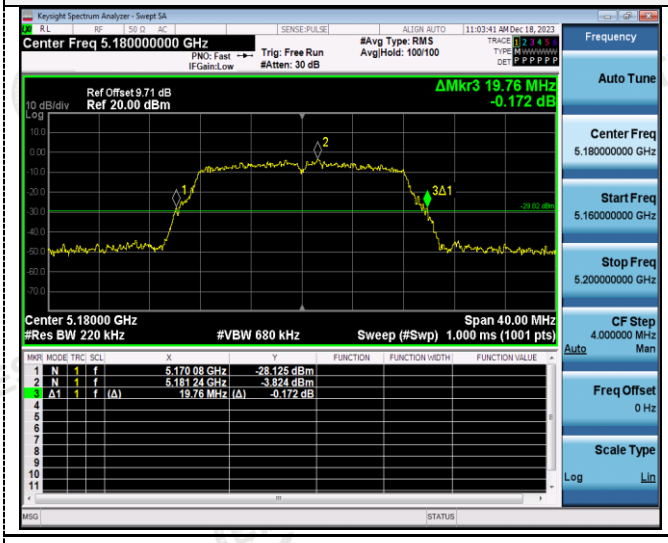
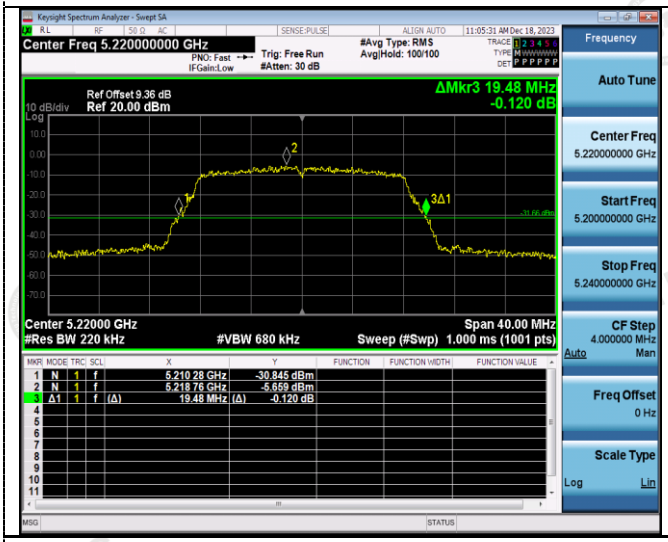
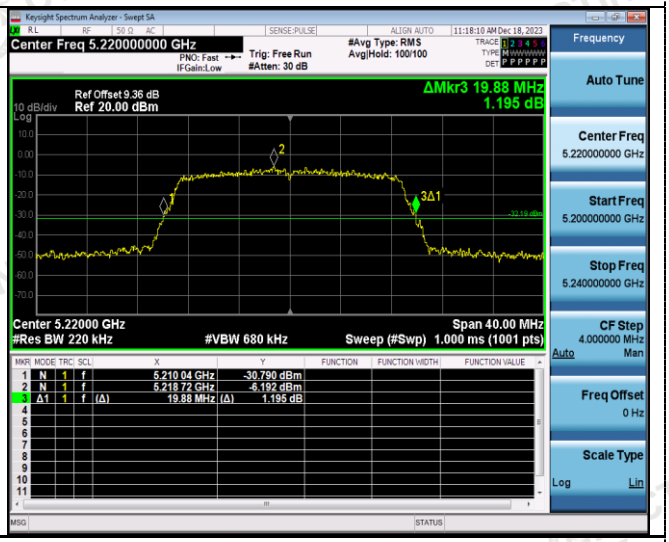
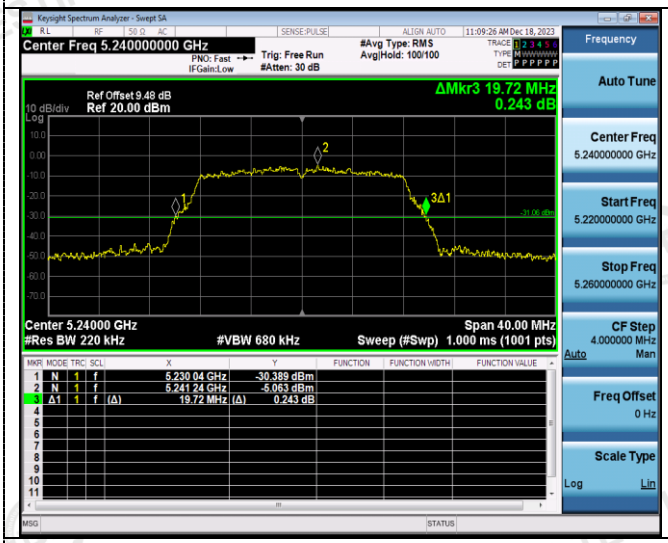
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.760	N/A	Pass
		44	19.480		
		48	19.720		
802.11n(HT20)	U-NII 1	36	20.040		
		44	19.880		
		48	20.160		
802.11n(HT40)	U-NII 1	38	40.160		
		46	40.480		
802.11ac(HT20)	U-NII 1	36	19.880		
		44	20.040		
		48	20.120		
802.11ac(HT40)	U-NII 1	38	40.240		
		46	40.000		
802.11ac(HT80)	U-NII 1	42	80.640		

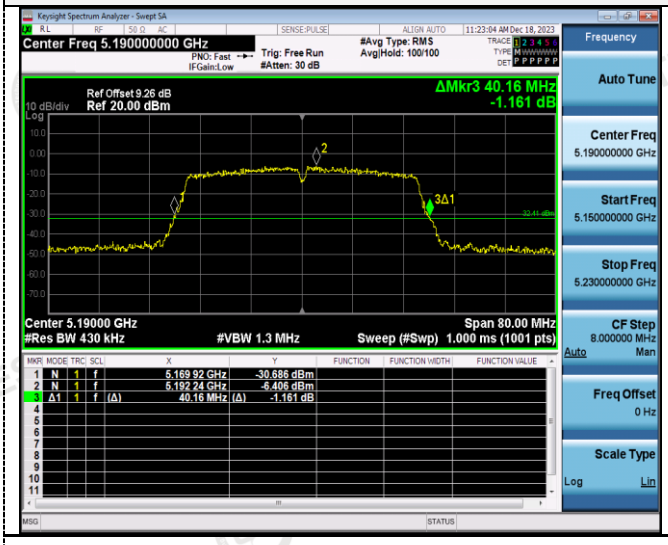
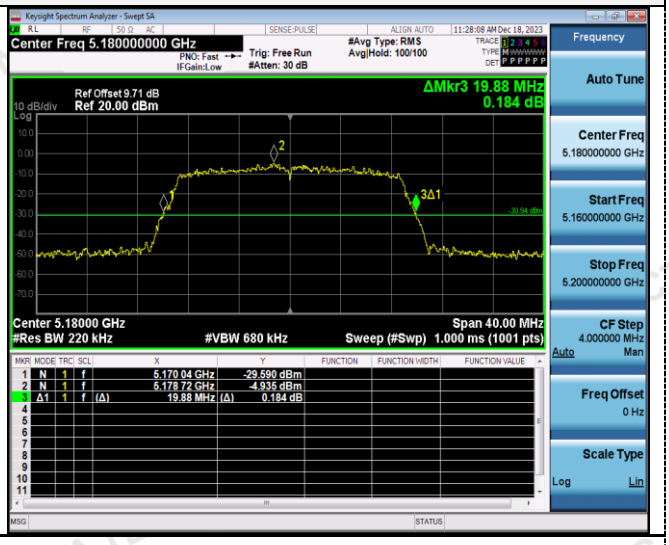
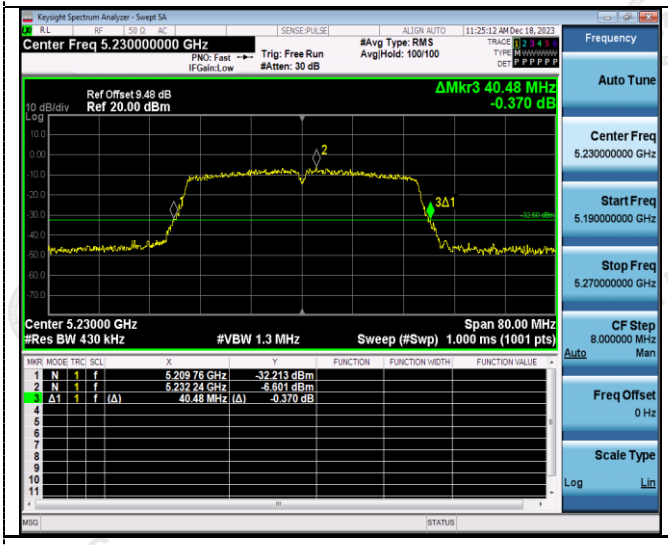
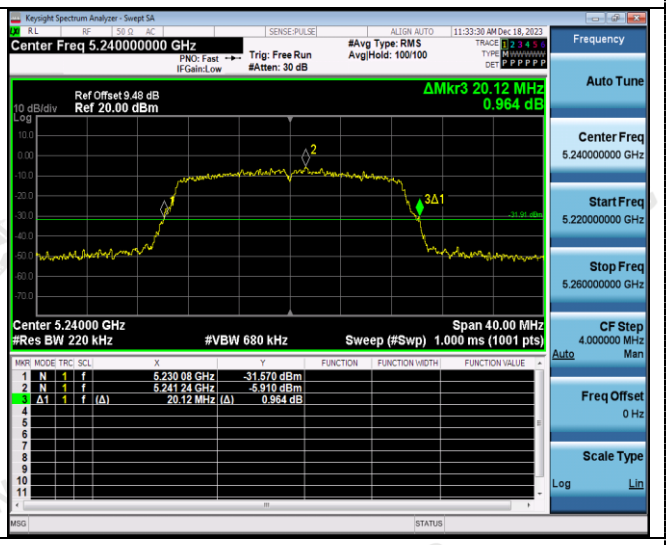
ANT 2

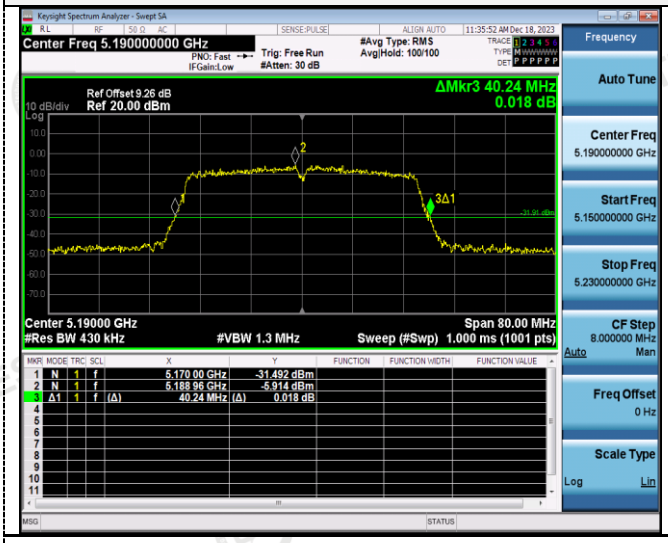
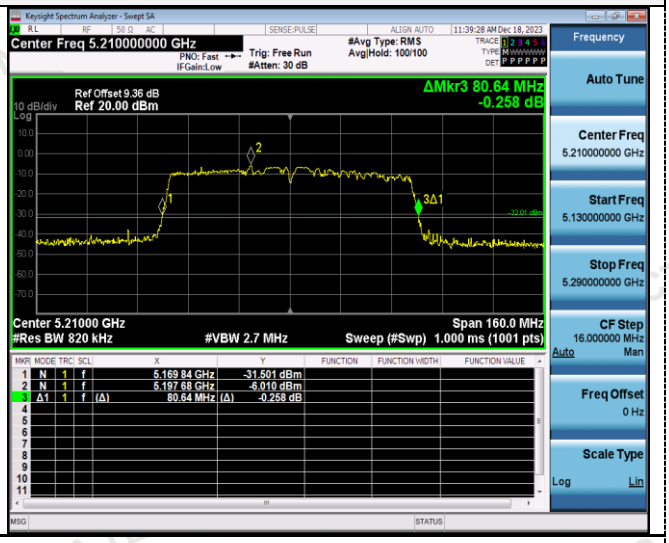
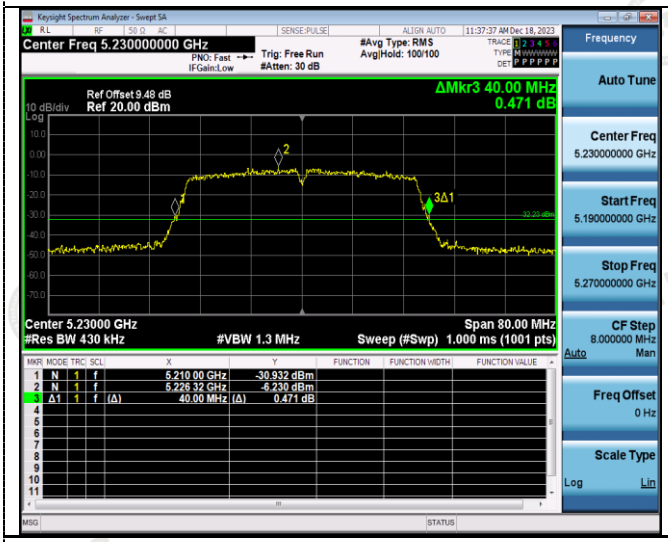
Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	20.040	N/A	Pass
		44	19.600		
		48	19.760		
802.11n(HT20)	U-NII 1	36	20.320		
		44	20.080		
		48	19.920		
802.11n(HT40)	U-NII 1	38	40.000		
		46	40.240		
802.11ac(HT20)	U-NII 1	36	19.960		
		44	19.960		
		48	20.040		
802.11ac(HT40)	U-NII 1	38	40.560		
		46	39.920		
802.11ac(HT80)	U-NII 1	42	80.640		

Test plot as follows:

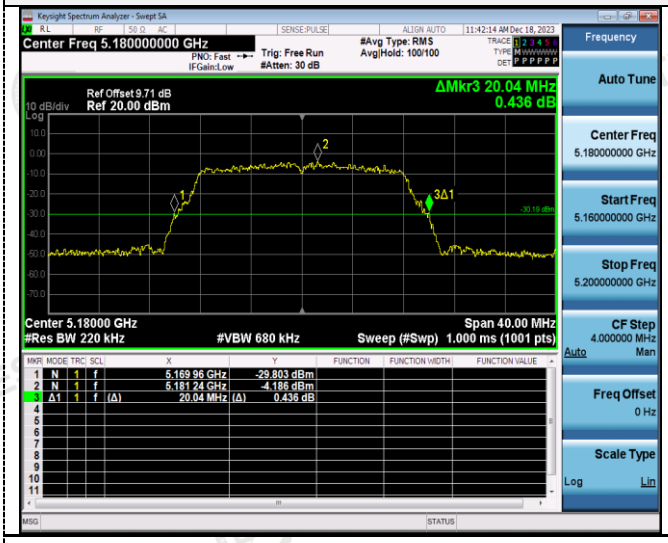
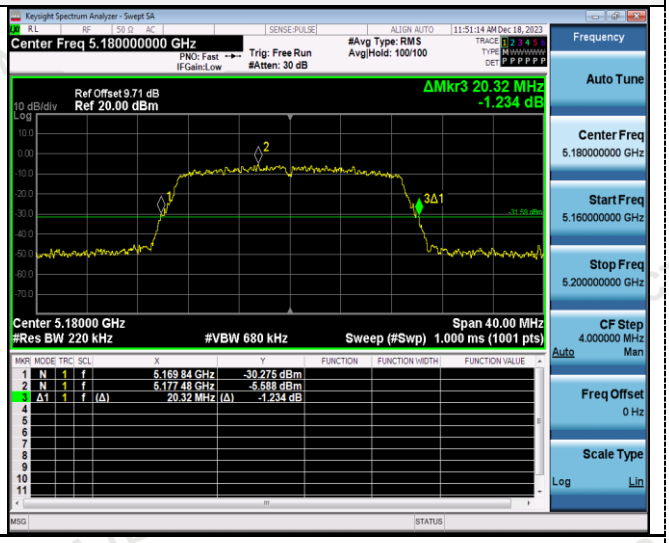
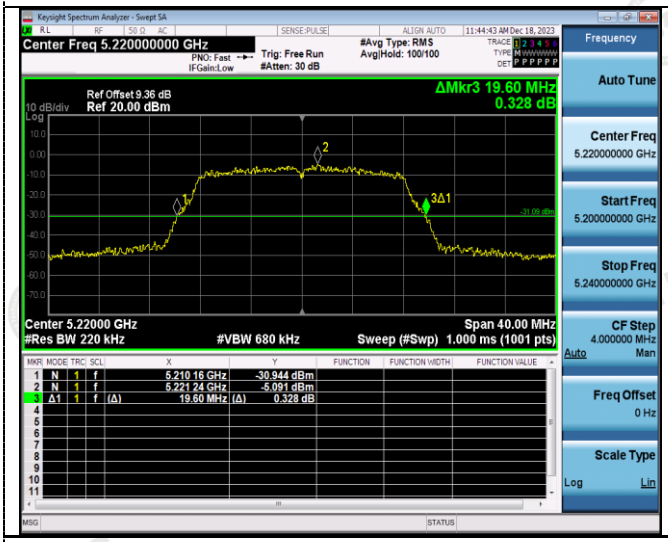
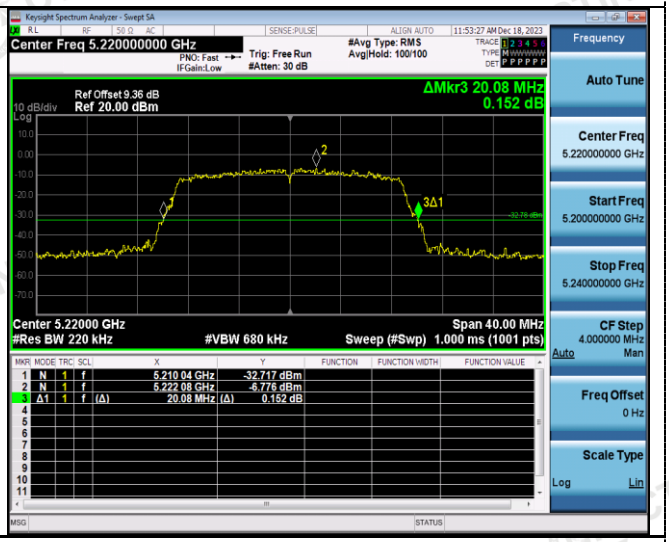
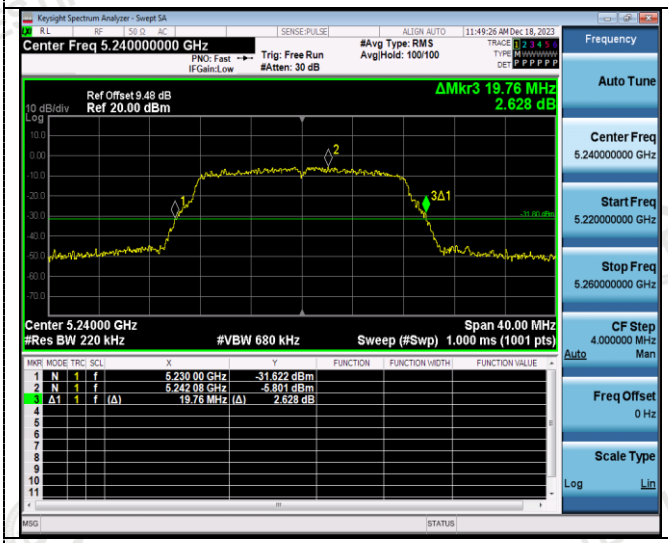
ANT 1

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

802.11n(HT40)	802.11ac(HT20)
	
CH38	CH36
	
CH46	CH40
	
	CH48

802.11ac(HT40)	802.11ac(HT80)
	
CH38	CH42
	
CH46	

ANT 2

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