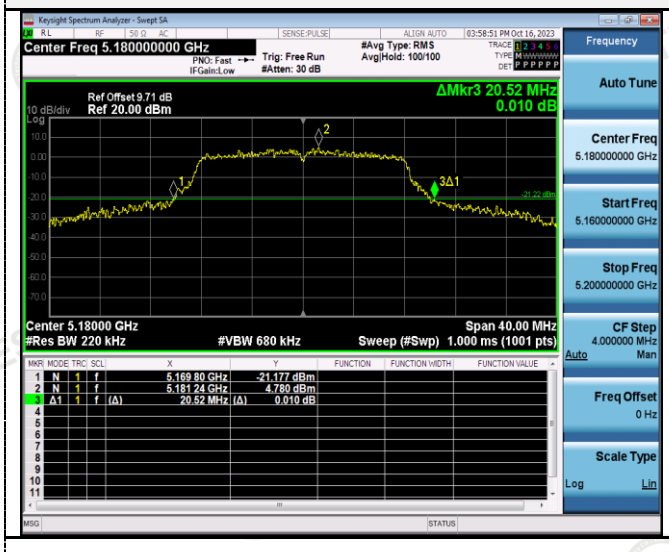
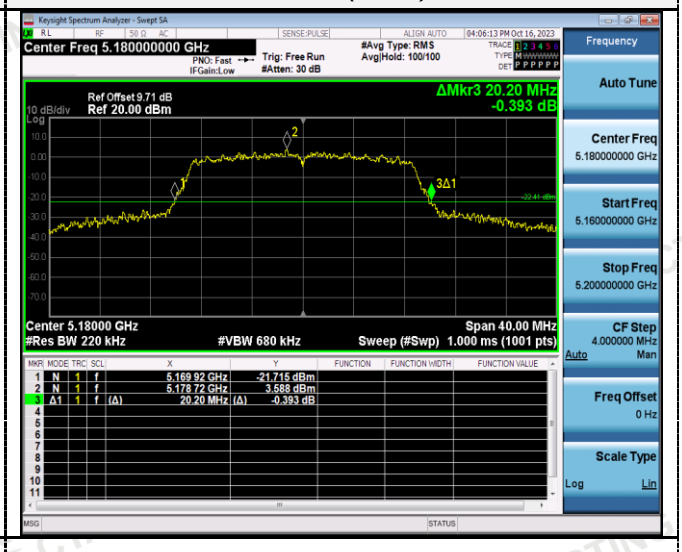
ANT 1:

802.11a

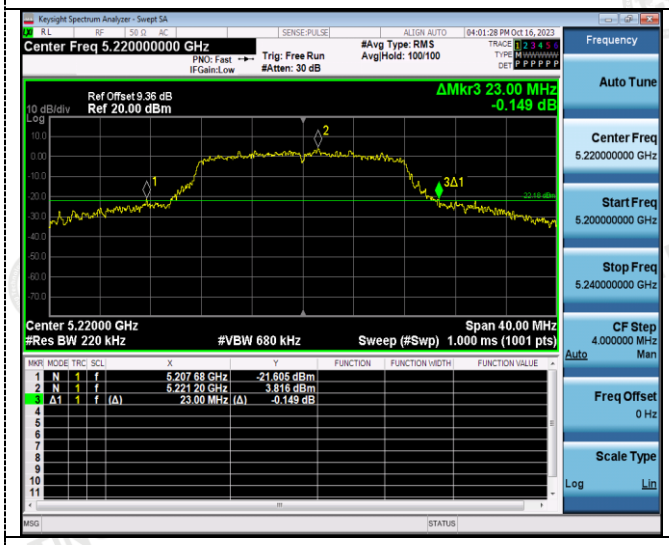


CH36

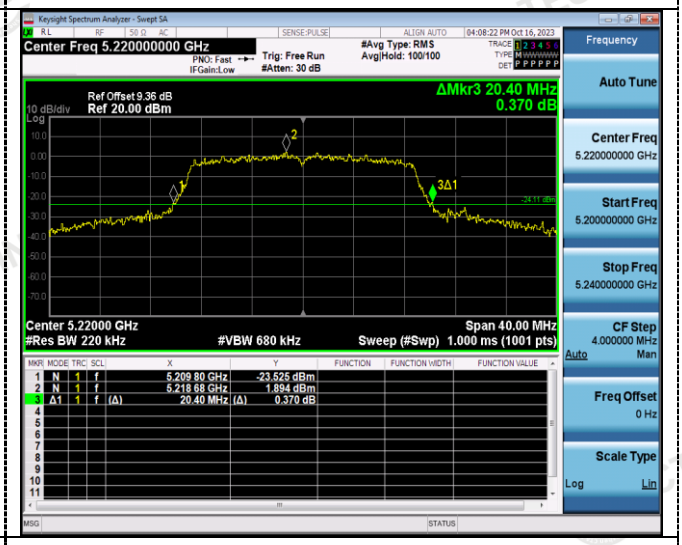
802.11n(HT20)



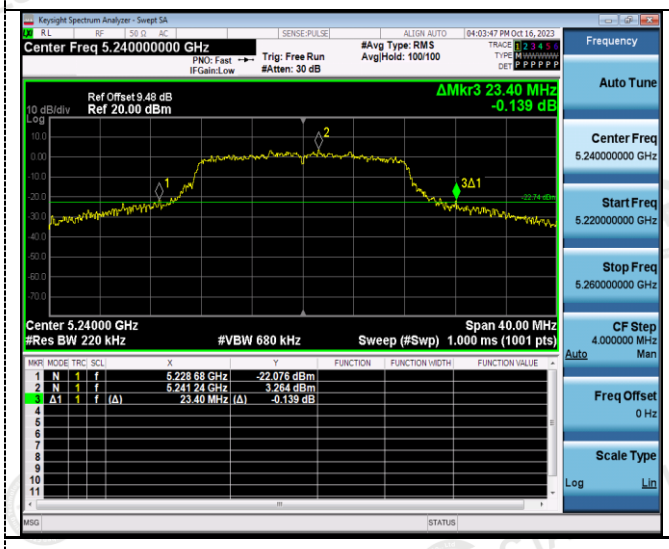
CH36



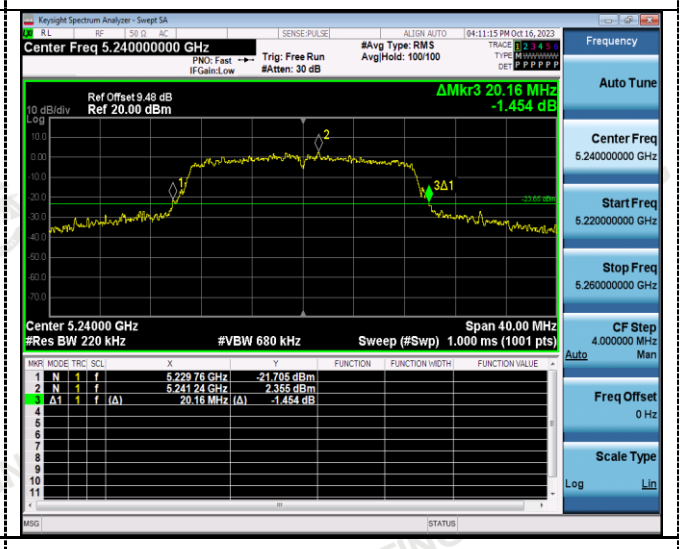
CH40



CH40

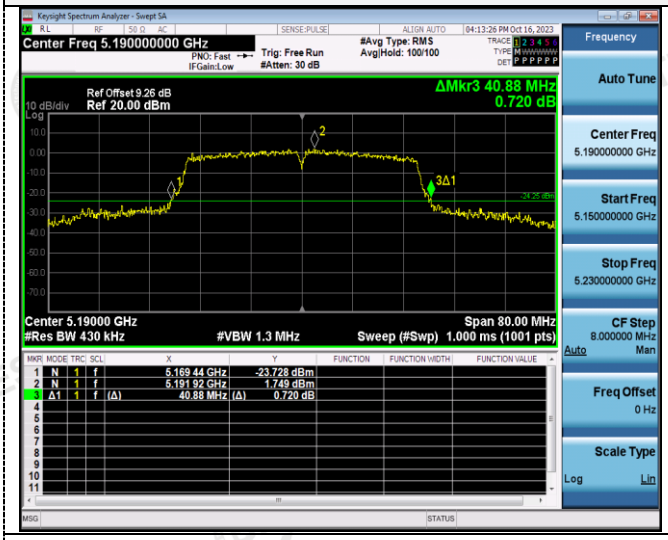


CH48

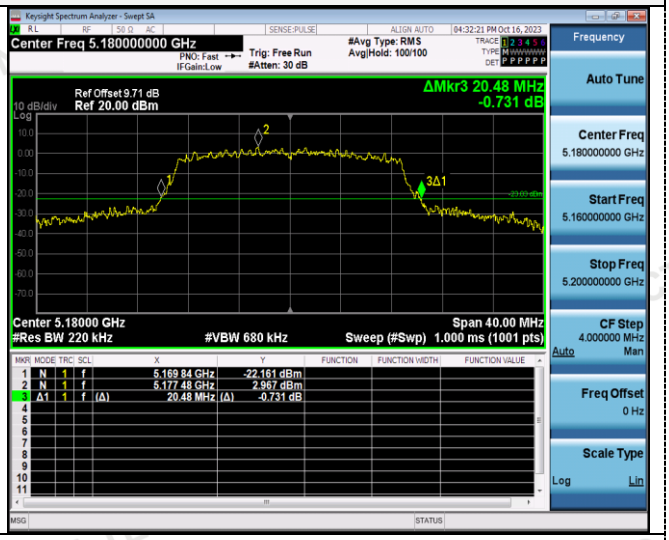


CH48

802.11n(HT40)

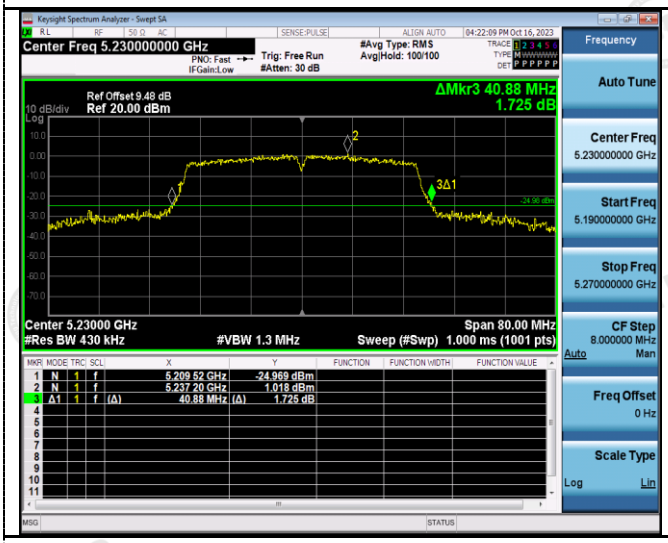


802.11ac(HT20)



CH38

CH36



CH46

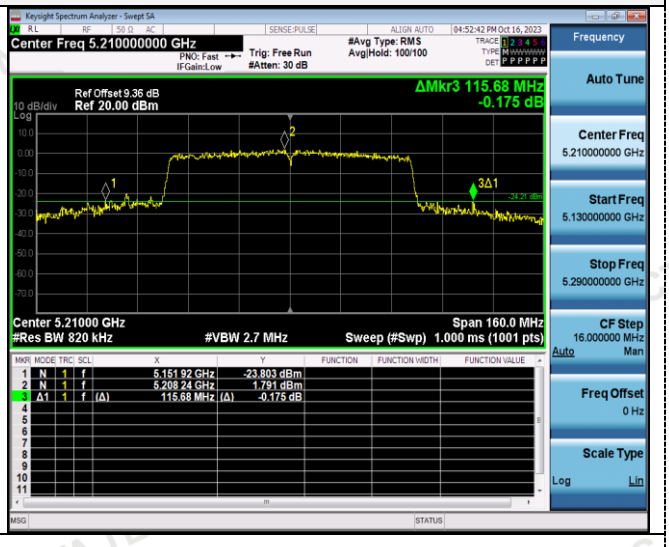
CH40

CH48

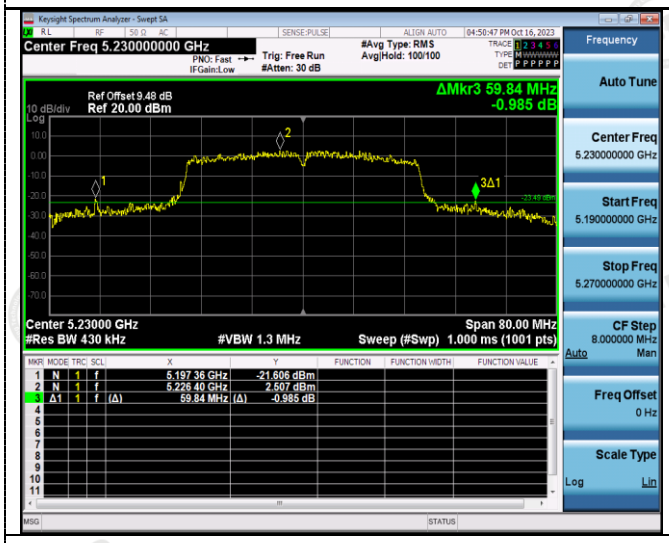
802.11ac(HT40)

CH38

802.11ac(HT80)

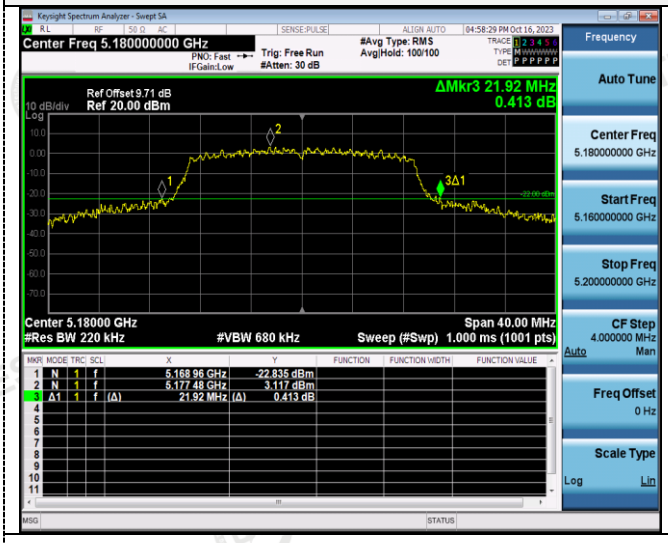


CH42



CH46

802.11ax(HT20)



CH36

802.11ax(HT40)

CH38

CH44

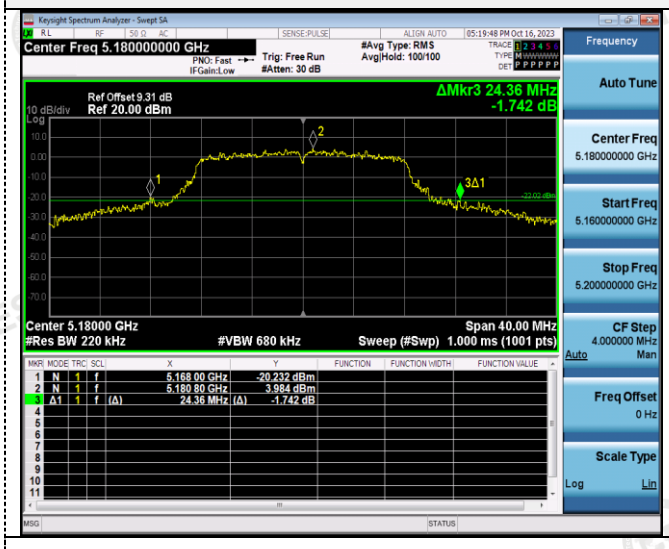
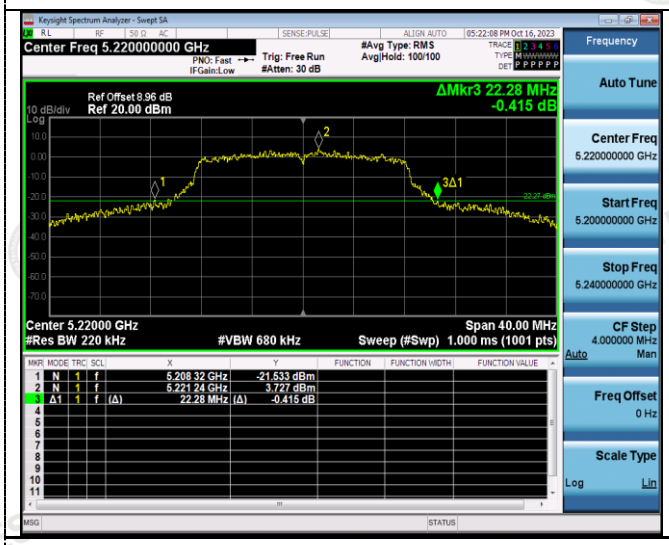
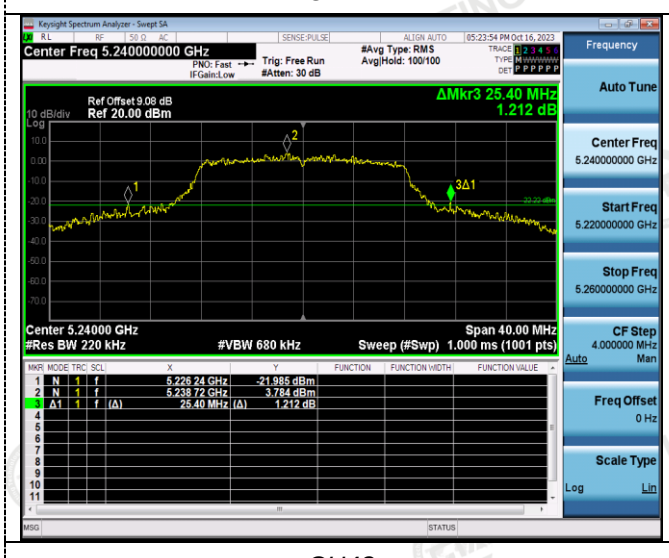
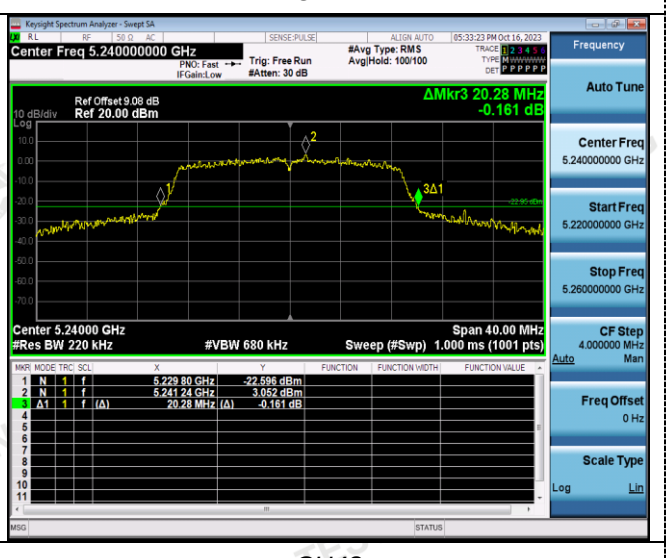
CH46

802.11ax(HT80)

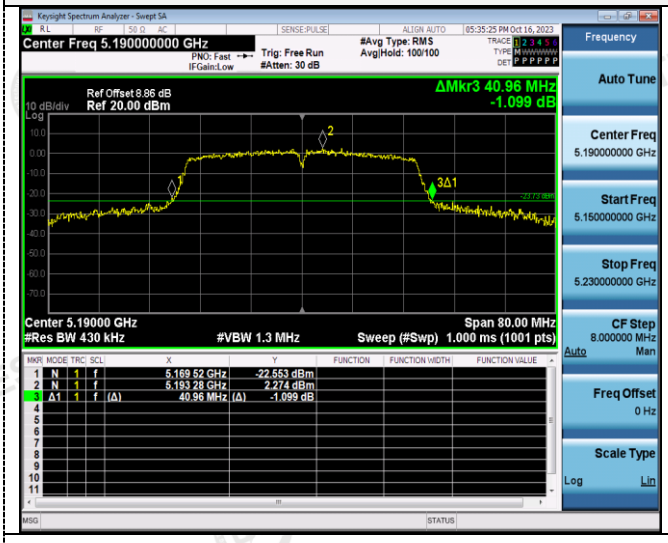
CH48

CH42

ANT 2:

802.11a	802.11n(HT20)
	
CH36	CH36
	
CH44	CH44
	
CH48	CH48

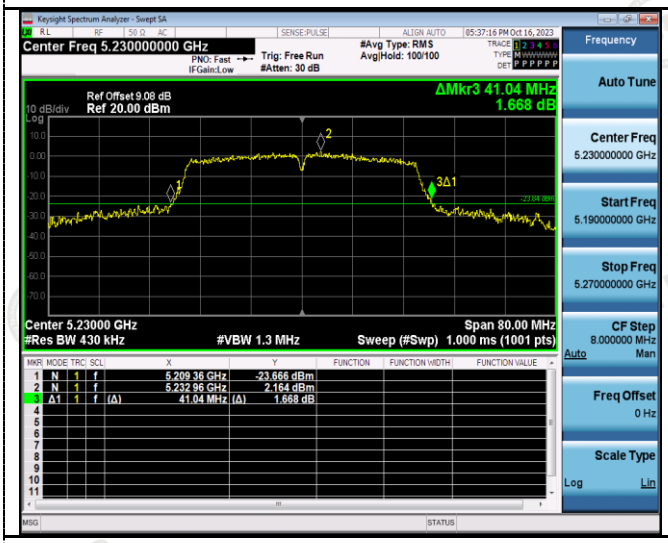
802.11n(HT40)



802.11ac(HT20)

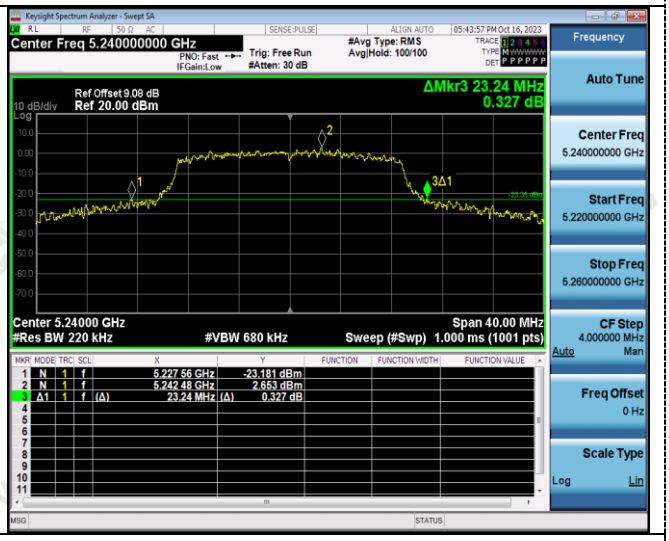
CH38

CH36



CH46

CH44



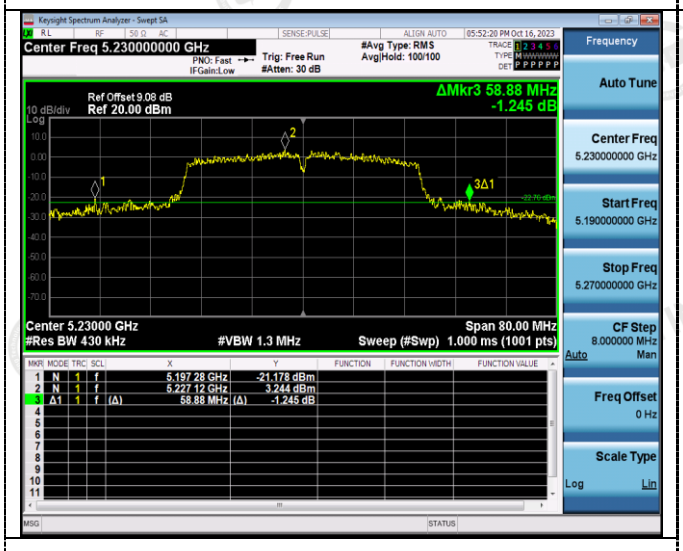
CH48

802.11ac(HT40)

CH38

802.11ax(HT20)

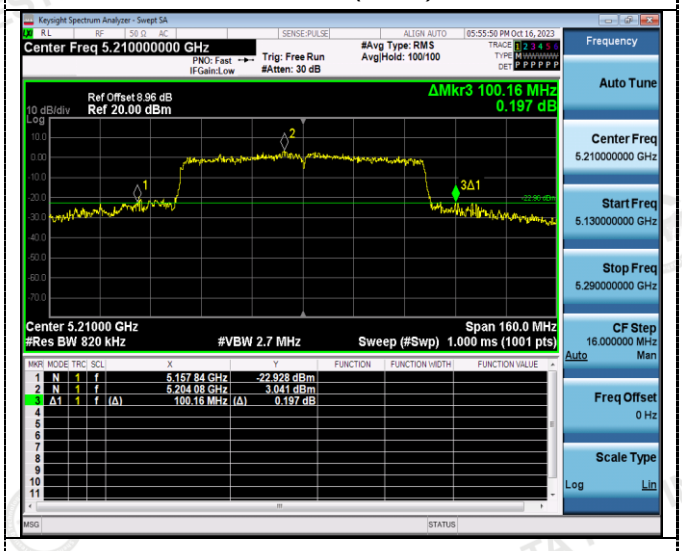
CH36



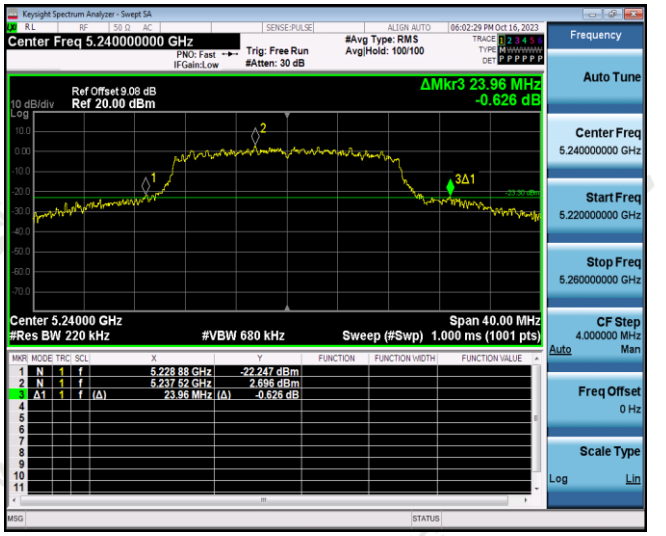
CH46

CH44

802.11ac(HT80)



CH42



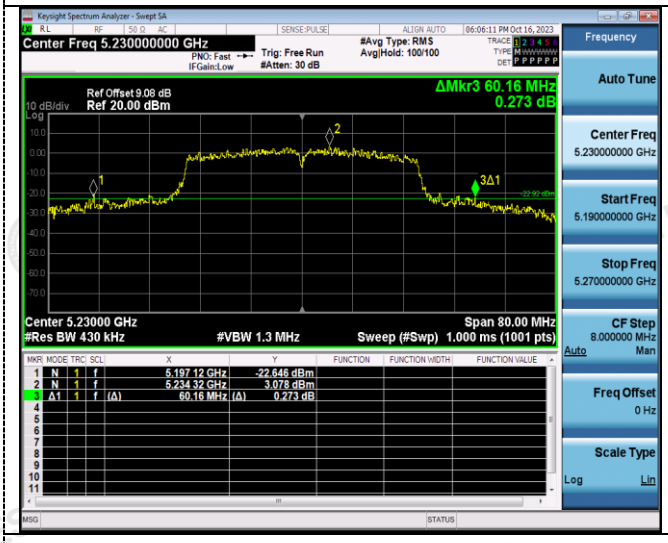
CH48

802.11ax(HT40)

802.11ax(HT80)

CH38

CH42



CH46

4.6 Minimum Emission Bandwidth (6dB Bandwidth)

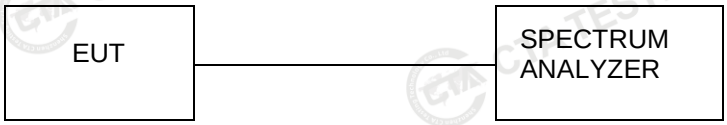
Limit

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

ANT 1:

Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	14.000	≥500KHz	Pass
		157	14.800		
		165	13.800		
802.11n(HT20)	U-NII 3	149	15.040		
		157	13.880		
		165	13.840		
802.11n(HT40)	U-NII 3	151	33.920		
		159	35.040		
802.11ac(HT20)	U-NII 3	149	15.400		
		157	15.720		
		165	15.080		
802.11ac(HT40)	U-NII 3	151	35.040		
		159	35.040		
802.11ac(HT80)	U-NII 3	155	75.040		
802.11ax(HT20)	U-NII 3	149	15.680		
		157	15.080		
		165	14.400		
802.11ax(HT40)	U-NII 3	151	35.040		
		159	35.040		
802.11ax(HT80)	U-NII 3	155	75.040		

ANT 2:

	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	15.040	≥500KHz	Pass
		157	14.960		
		165	15.040		
802.11n(HT20)	U-NII 3	149	13.880		
		157	15.160		
		165	15.880		
802.11n(HT40)	U-NII 3	151	35.120		
		159	33.840		
802.11ac(HT20)	U-NII 3	149	15.080		
		157	15.120		
		165	14.920		
802.11ac(HT40)	U-NII 3	151	35.040		
		159	35.040		
802.11ac(HT80)	U-NII 3	155	75.040		
802.11ax(HT20)	U-NII 3	149	15.680		
		157	15.040		
		165	15.400		
802.11ax(HT40)	U-NII 3	151	35.040		
		159	35.040		
802.11ax(HT80)	U-NII 3	155	75.040		

Test plot as follows: