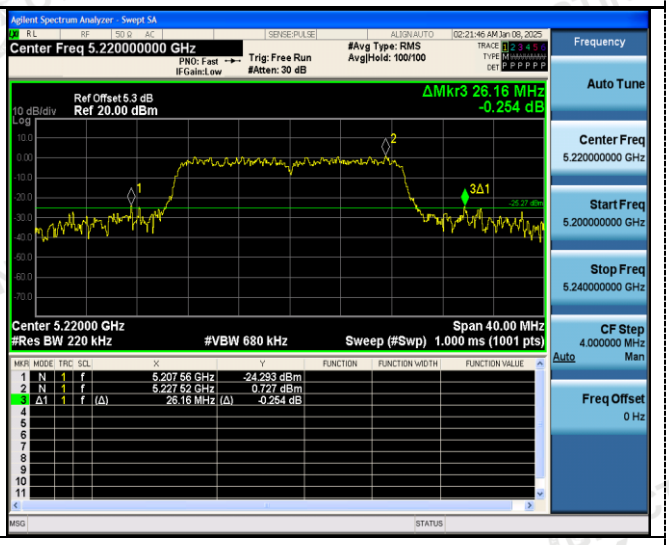
802.11n(HT40)

802.11ac(HT20)

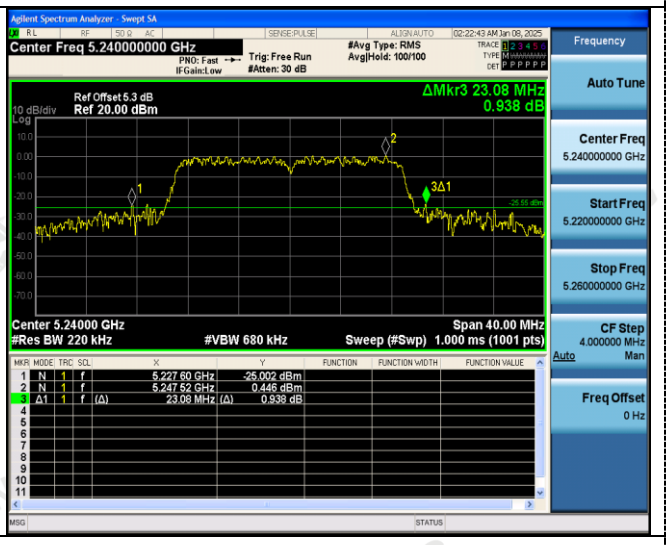
CH38

CH36



CH46

CH40



CH48

802.11ac(HT40)

CH38

802.11ac(HT80)

CH42

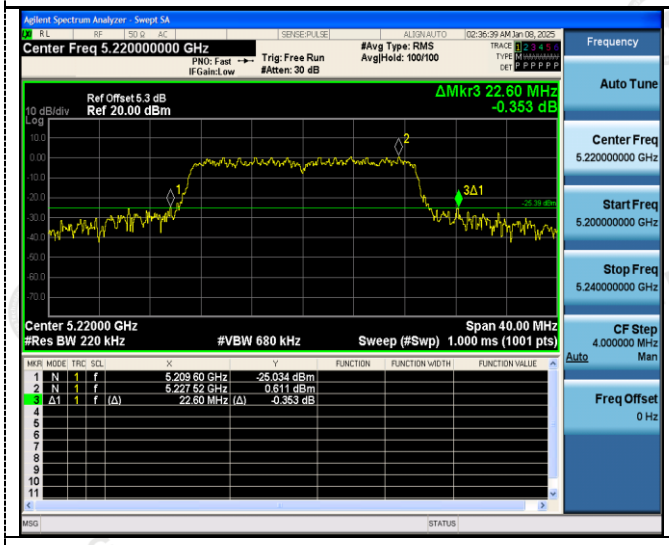
CH46

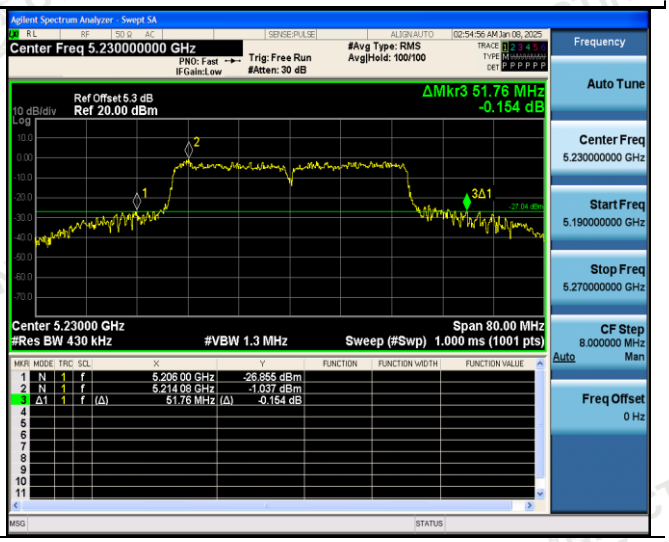
802.11ax(HT20)

802.11ax(HT40)

CH36

CH38

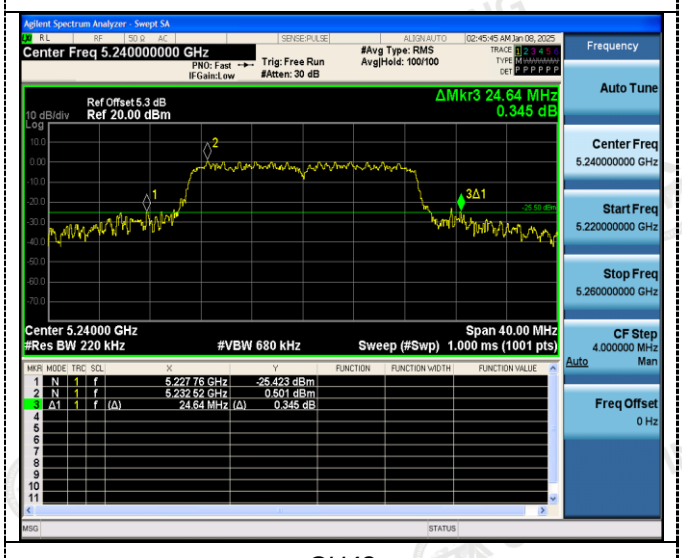




CH44

CH46

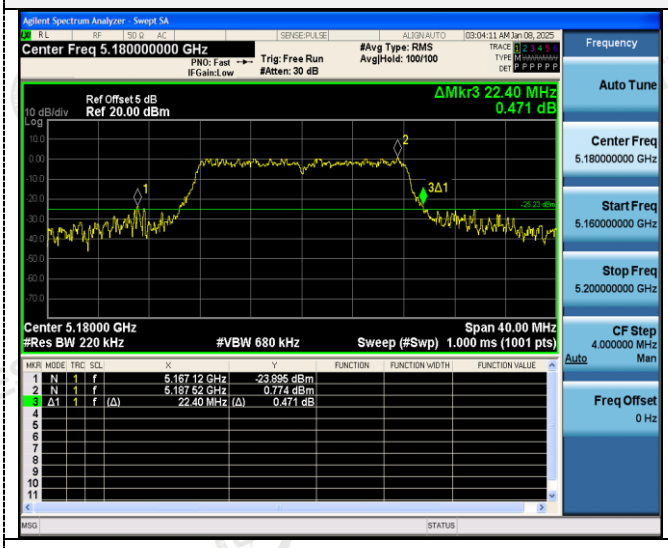
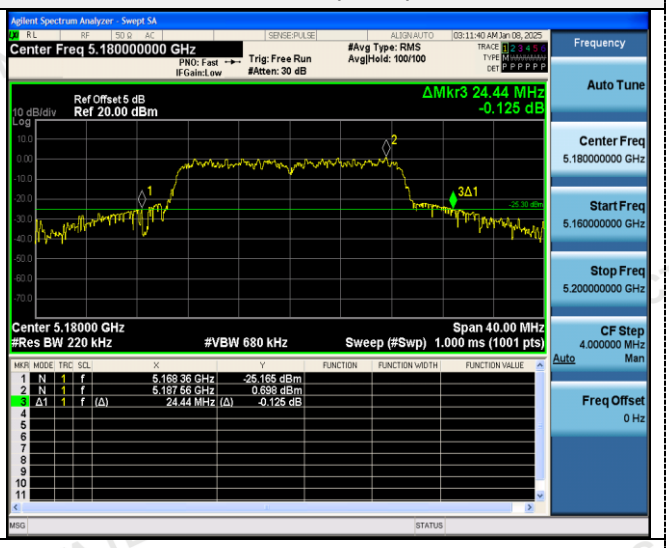
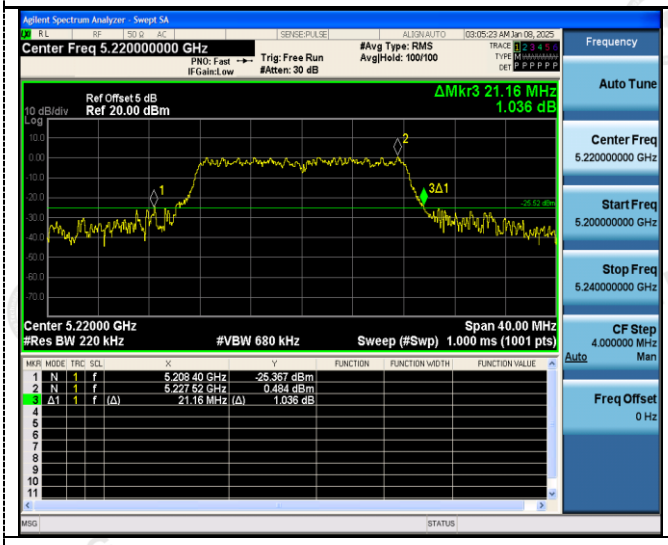
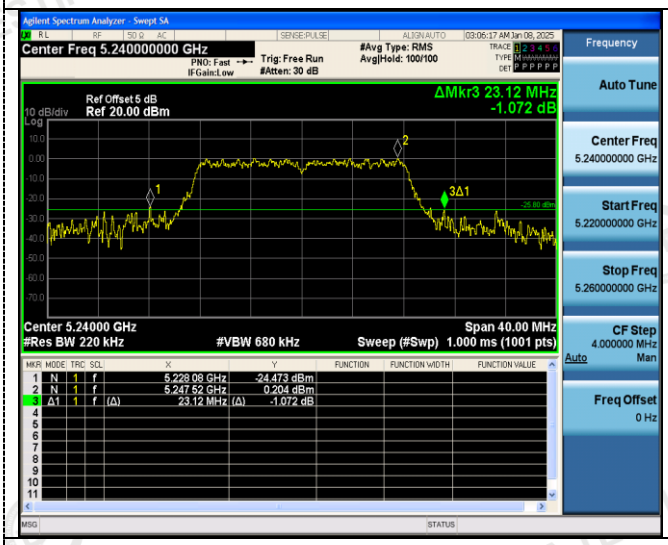
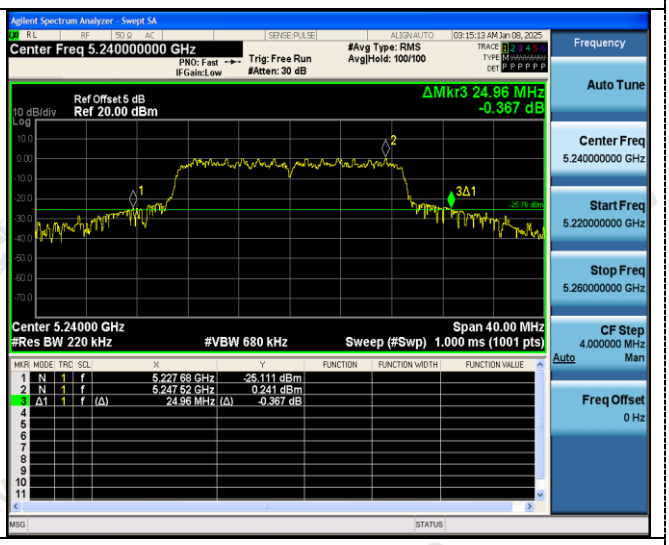
802.11ax(HT80)



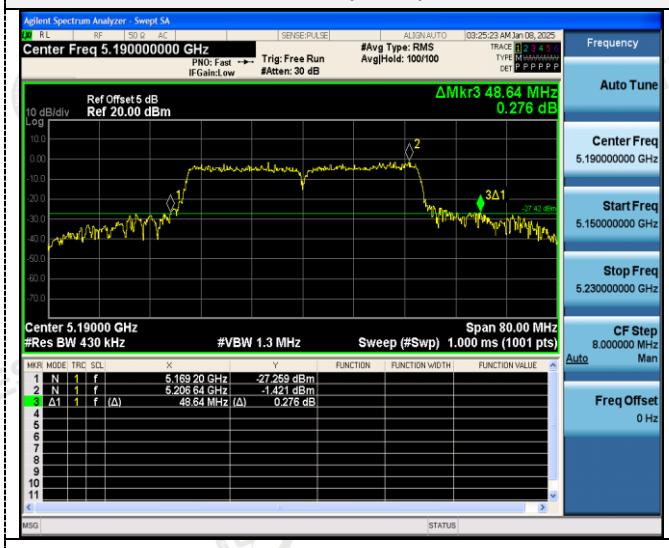
CH48

CH42

ANT 2

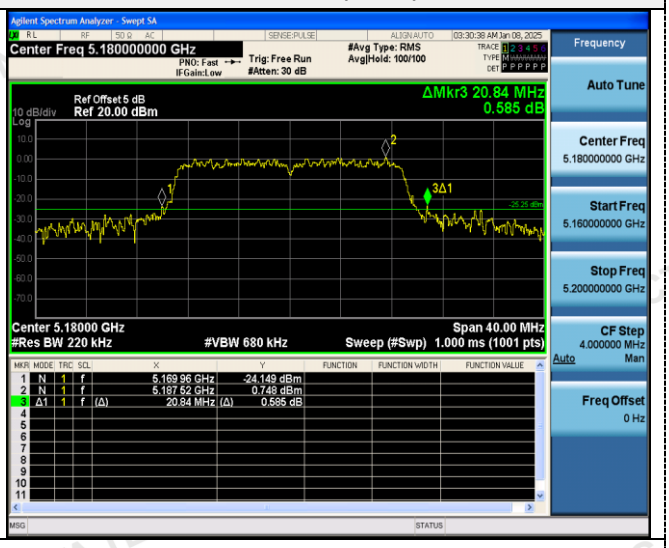
802.11a	*802.11n(HT20)*
	
CH36	*CH36*
	
CH40	*CH40*
	
CH48	*CH48*

802.11n(HT40)



CH38

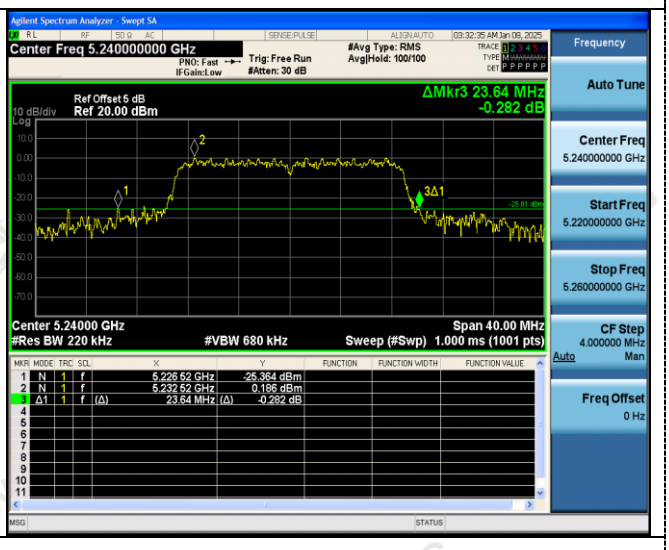
802.11ac(HT20)



CH36

CH46

CH40



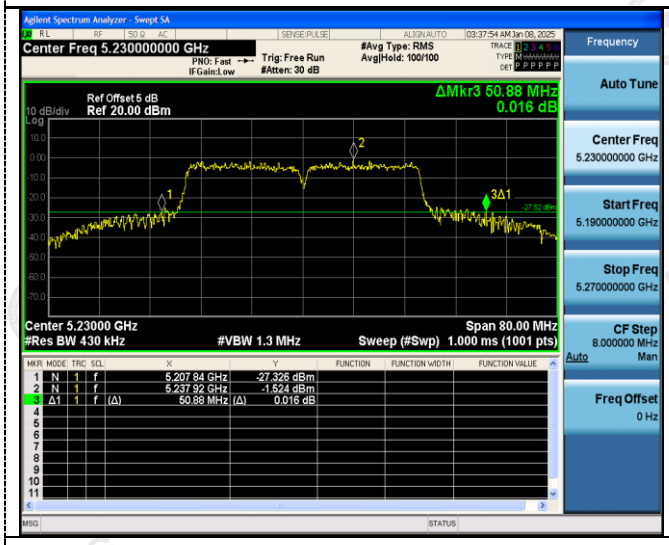
CH48

802.11ac(HT40)

CH38

802.11ac(HT80)

CH42

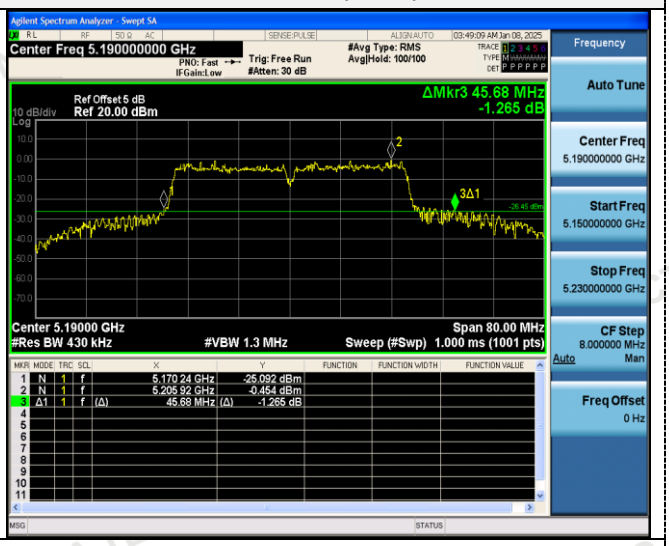


CH46

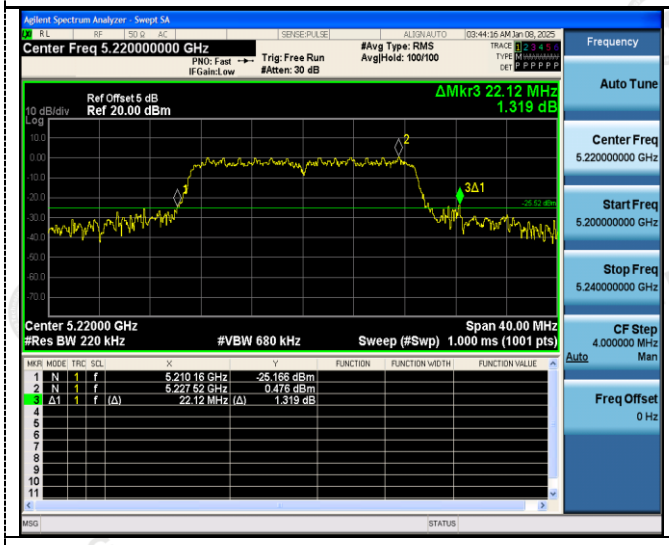
802.11ax(HT20)

CH36

802.11ax(HT40)



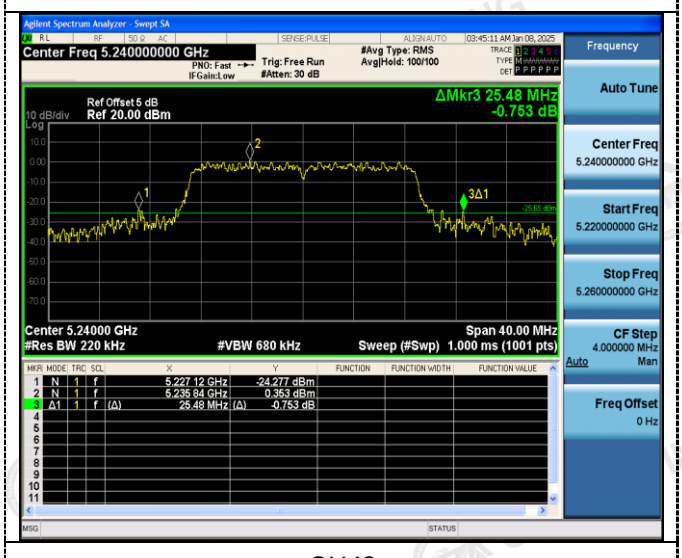
CH38



CH44

CH46

802.11ax(HT80)



CH48

CH42

4.6 Minimum Emission Bandwidth (6dB Bandwidth)

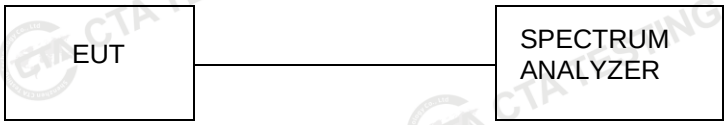
Limit

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

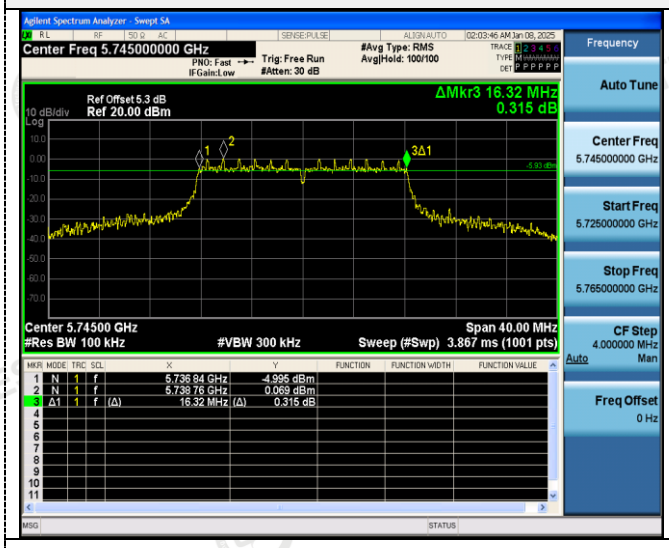
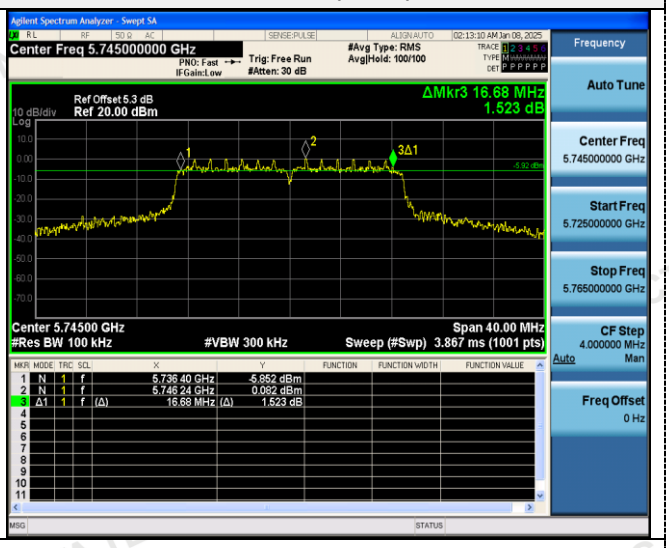
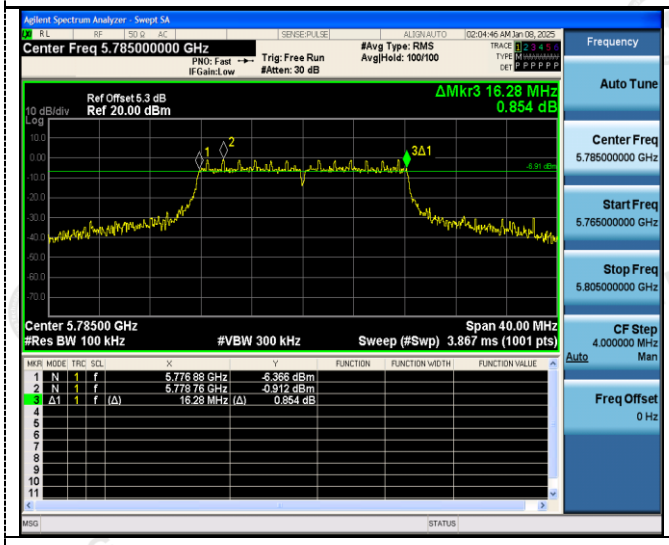
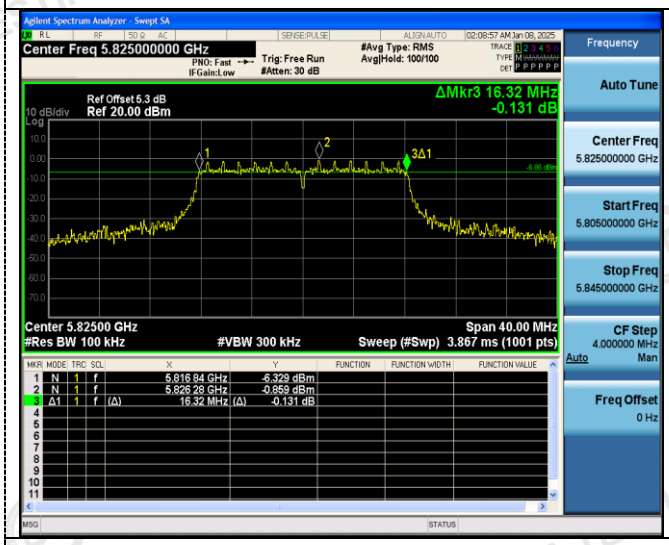
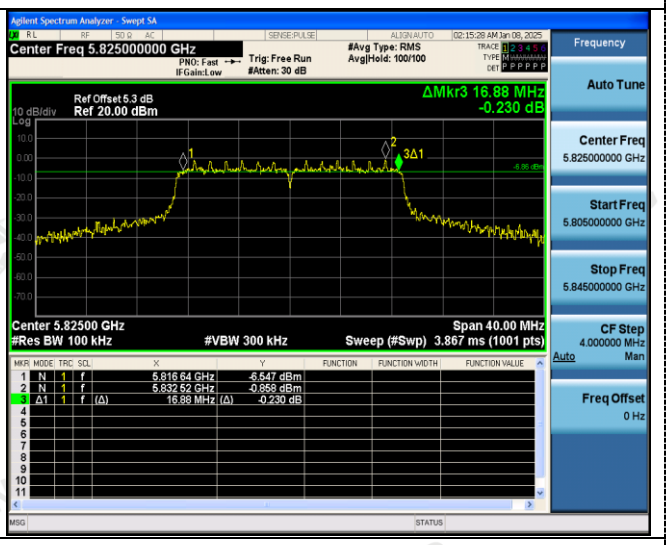
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.280		
		165	16.320		
802.11n(HT20)	U-NII 3	149	16.680		
		157	16.880		
		165	16.880		
802.11n(HT40)	U-NII 3	151	35.280		
		159	35.200		
802.11ac(HT20)	U-NII 3	149	16.880		
		157	16.760		
		165	16.920		
802.11ac(HT40)	U-NII 3	151	35.520		
		159	35.200		
802.11ac(HT80)	U-NII 3	155	75.360		
802.11ax(HT20)	U-NII 3	149	16.880		
		157	17.080		
		165	17.000		
802.11ax(HT40)	U-NII 3	151	35.360		
		159	35.840		
802.11ax(HT80)	U-NII 3	155	75.200		

ANT 2

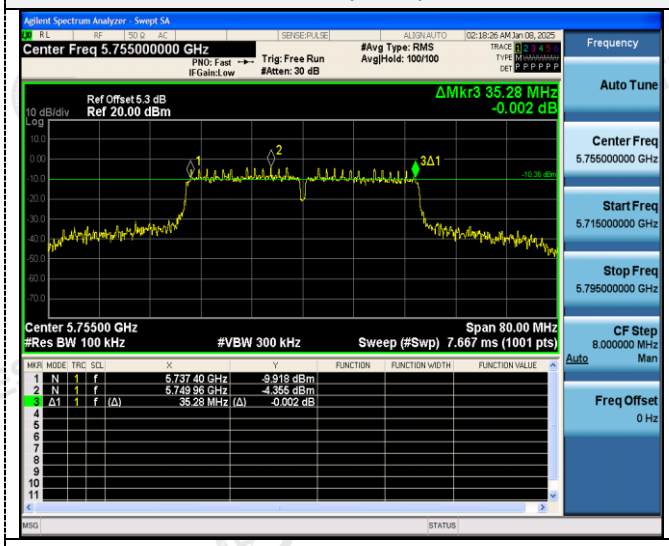
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.320	≥500KHz	Pass
		157	16.160		
		165	16.320		
802.11n(HT20)	U-NII 3	149	16.920		
		157	17.120		
		165	16.800		
802.11n(HT40)	U-NII 3	151	35.200		
		159	35.200		
802.11ac(HT20)	U-NII 3	149	17.040		
		157	16.880		
		165	16.800		
802.11ac(HT40)	U-NII 3	151	35.360		
		159	35.440		
802.11ac(HT80)	U-NII 3	155	75.520		
802.11ax(HT20)	U-NII 3	149	16.520		
		157	16.920		
		165	16.960		
802.11ax(HT40)	U-NII 3	151	35.440		
		159	35.360		
802.11ax(HT80)	U-NII 3	155	75.360		

Test plot as follows:

ANT 1

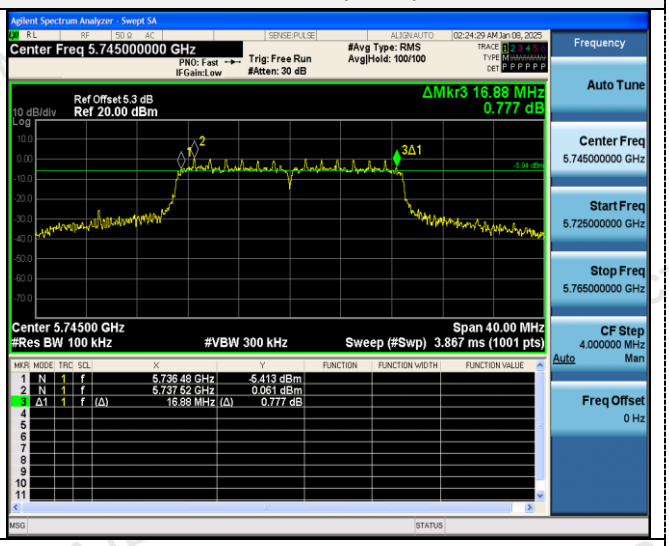
802.11a	*802.11n(HT20)*
	
CH149	*CH149*
	
CH157	*CH157*
	
CH165	*CH165*

802.11n(HT40)

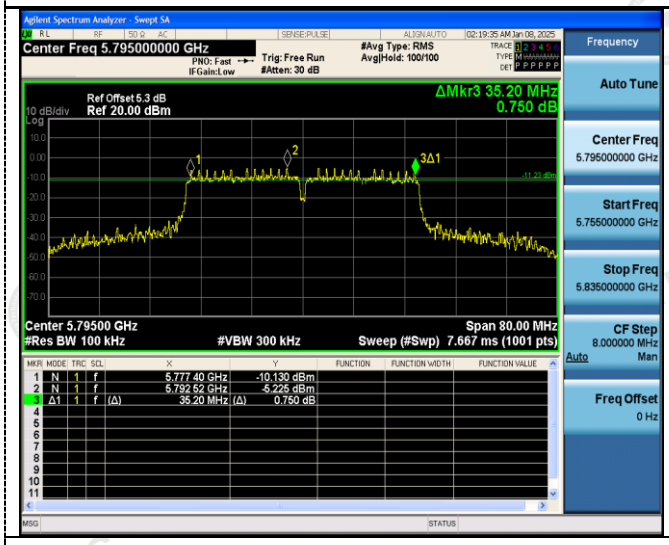


CH151

802.11ac(HT20)

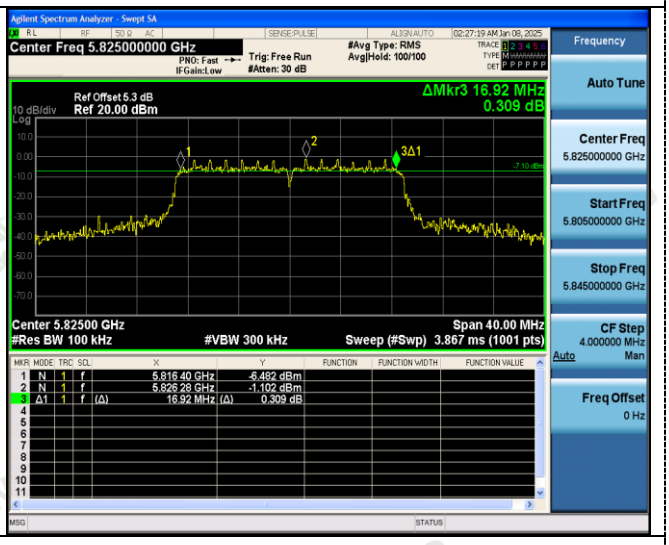


CH149



CH159

CH157



CH165