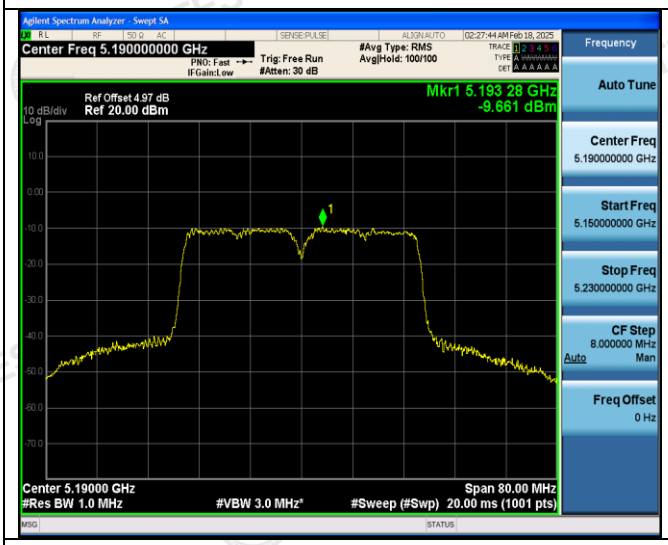
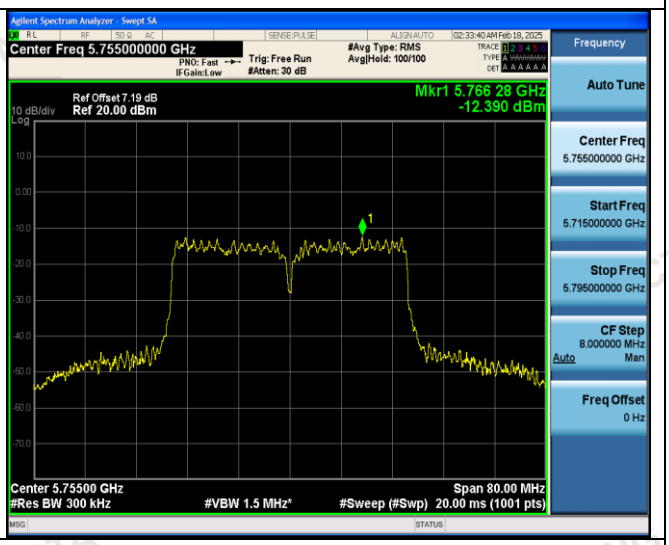
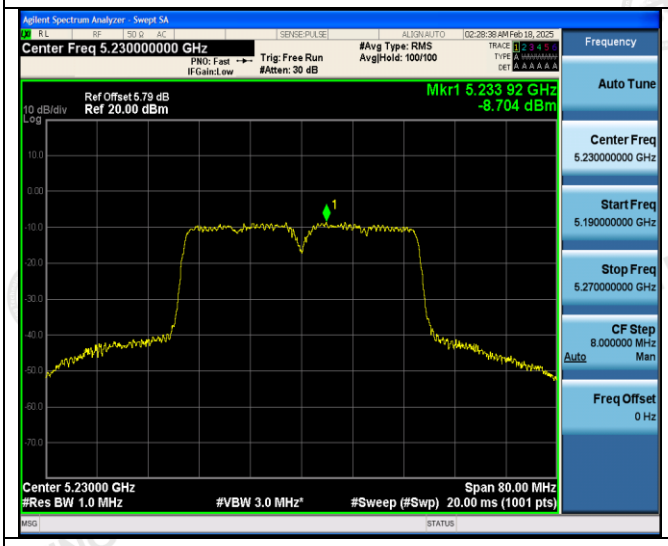
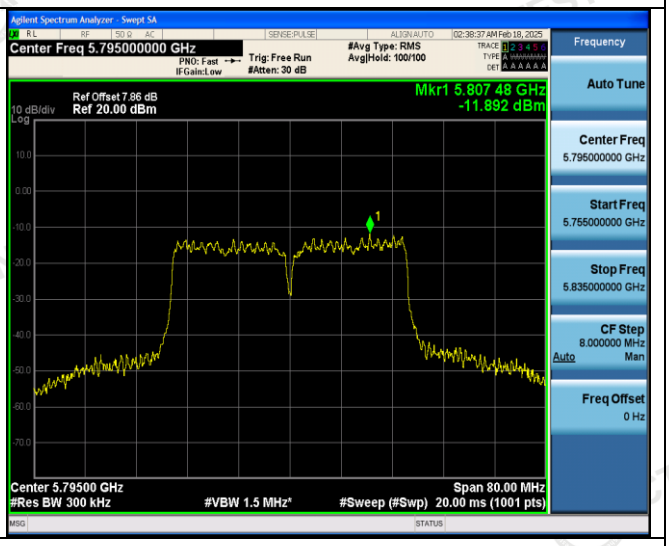
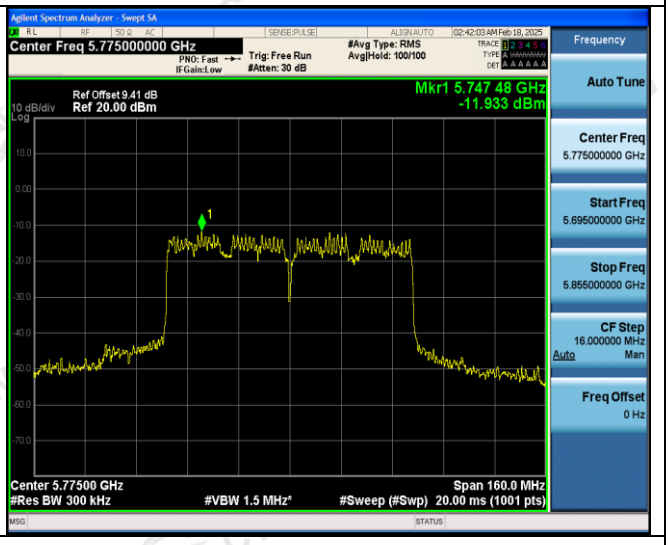
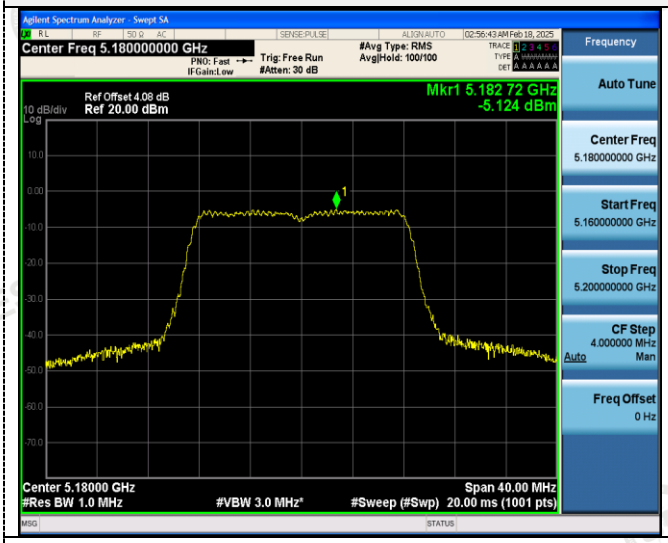
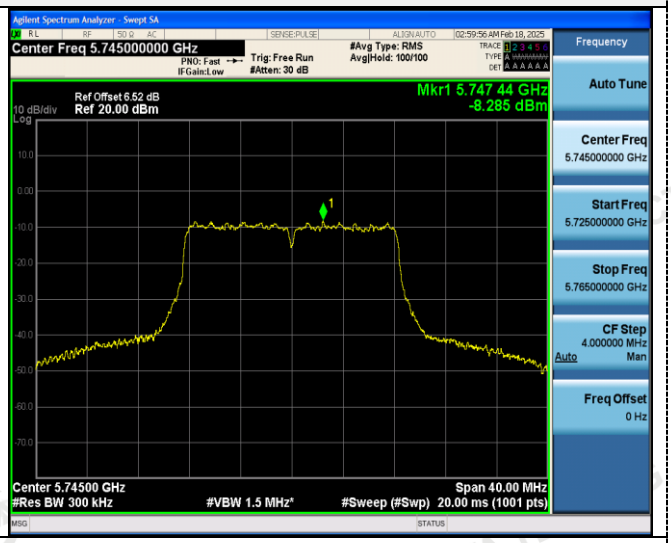
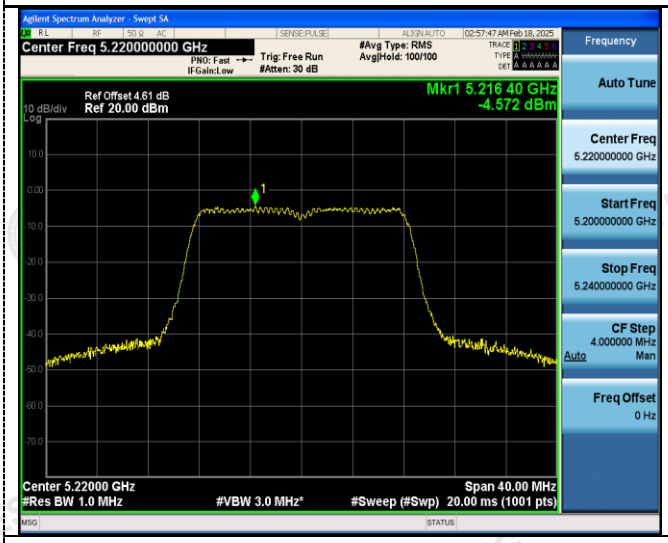
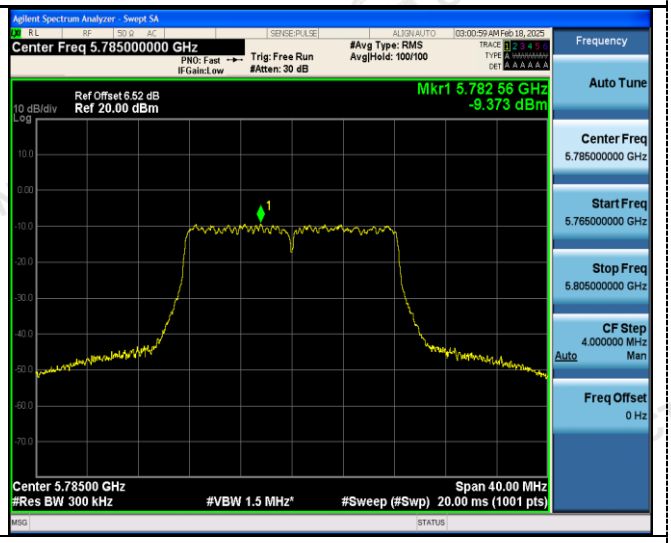
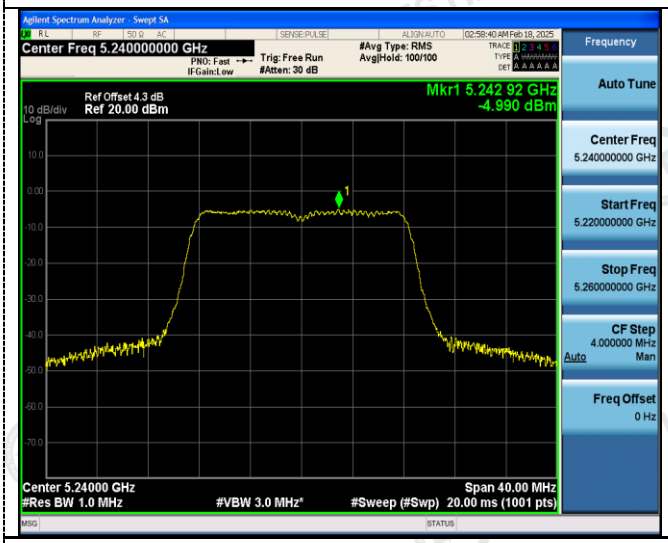
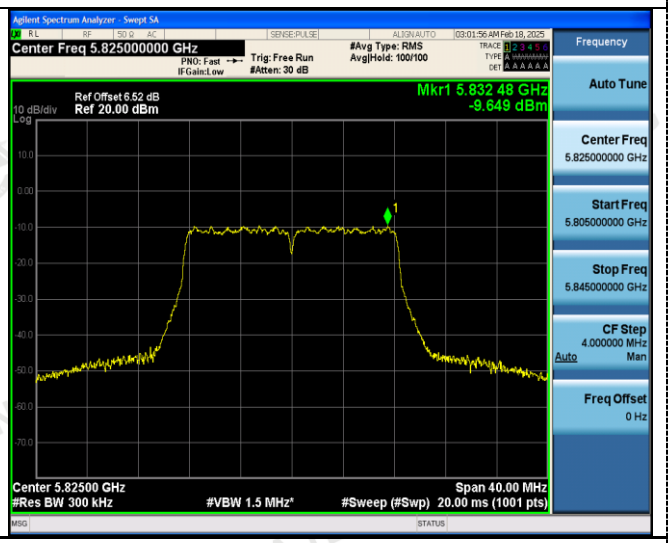
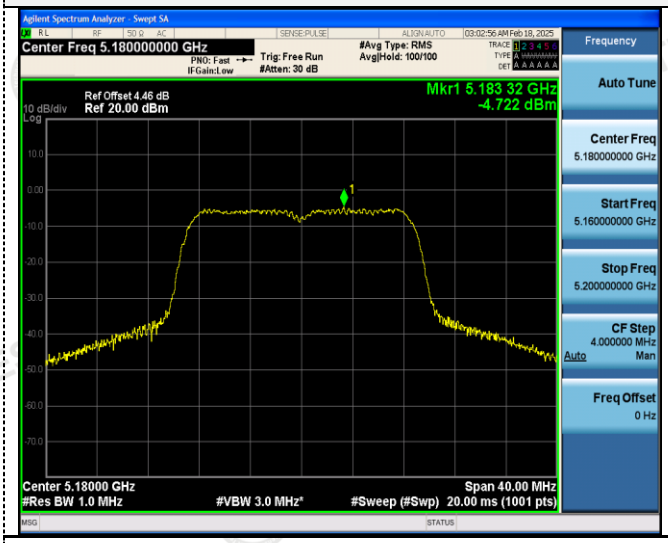
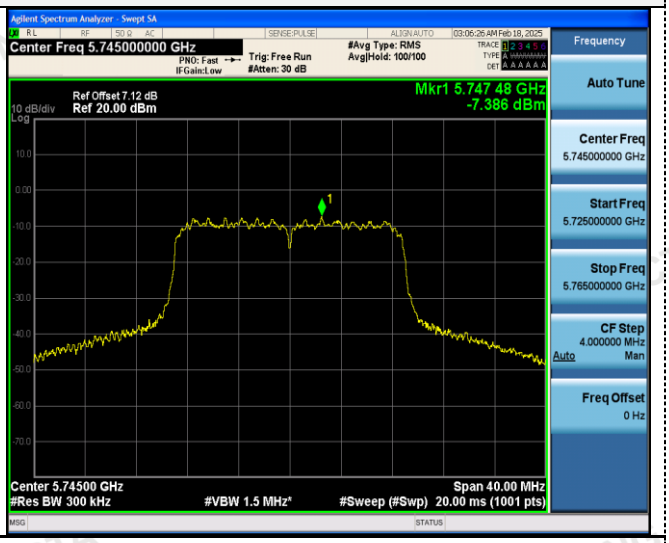
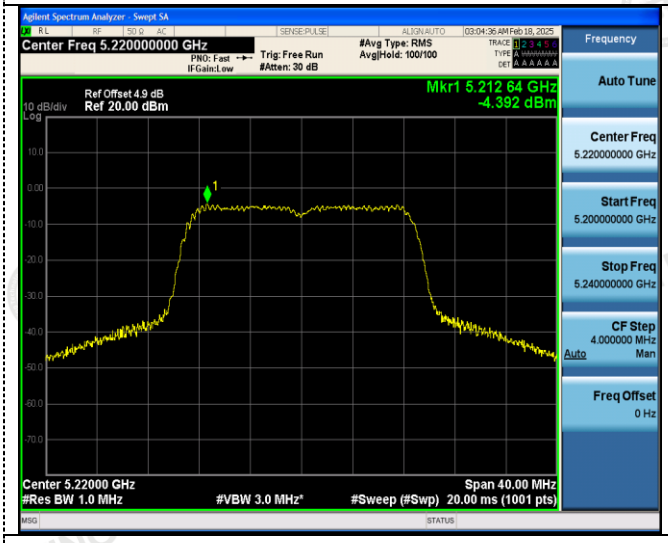
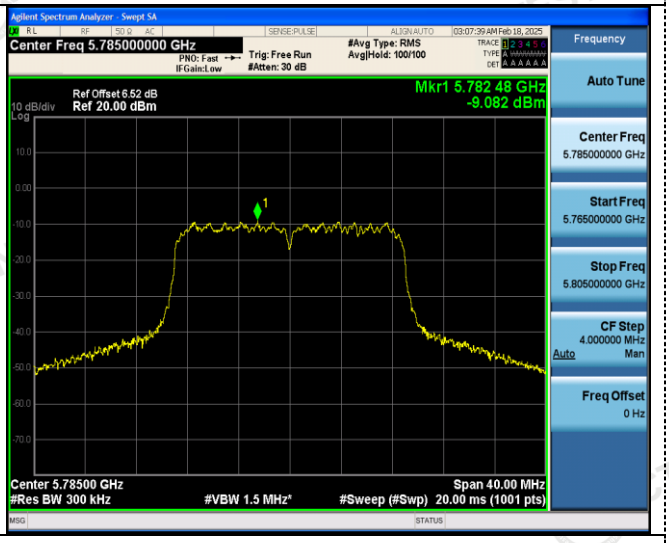
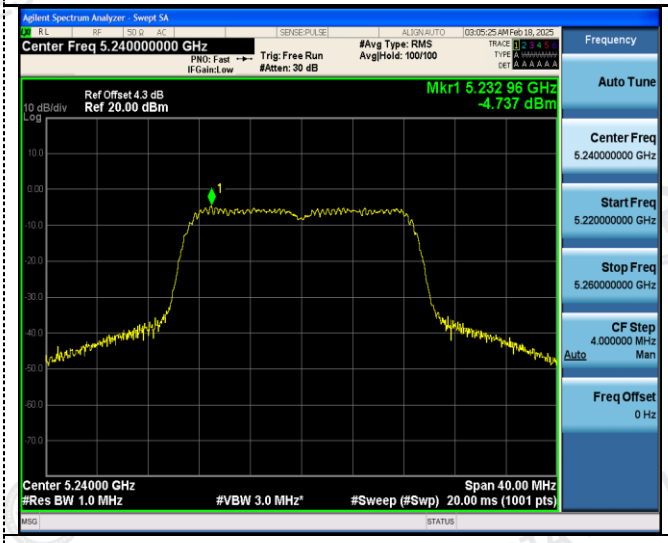
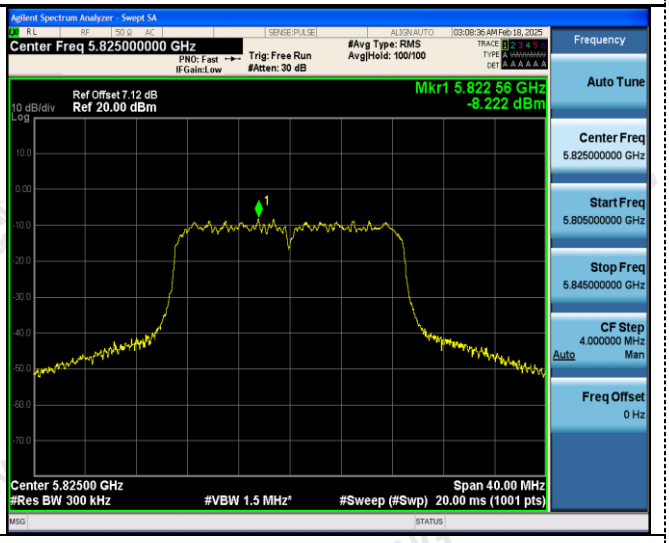
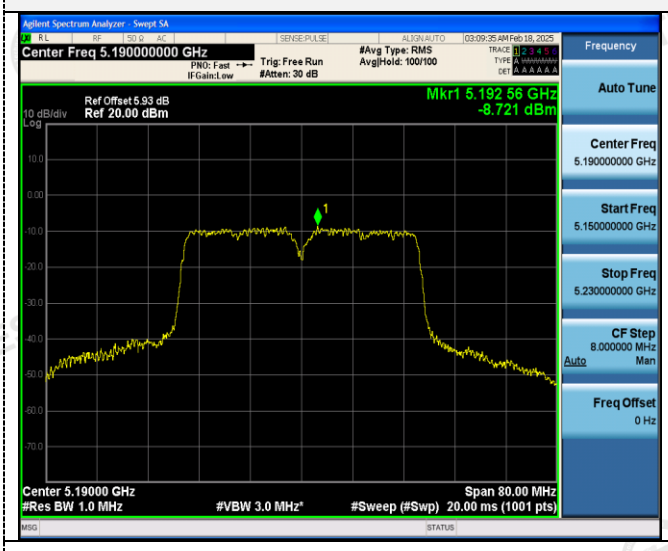
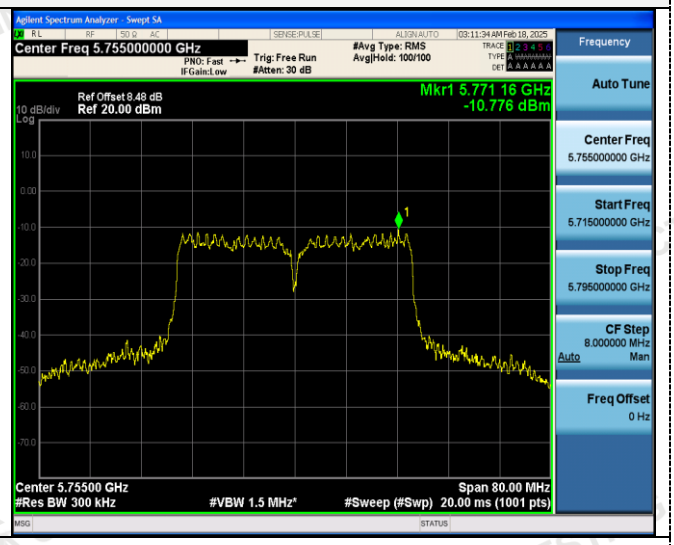
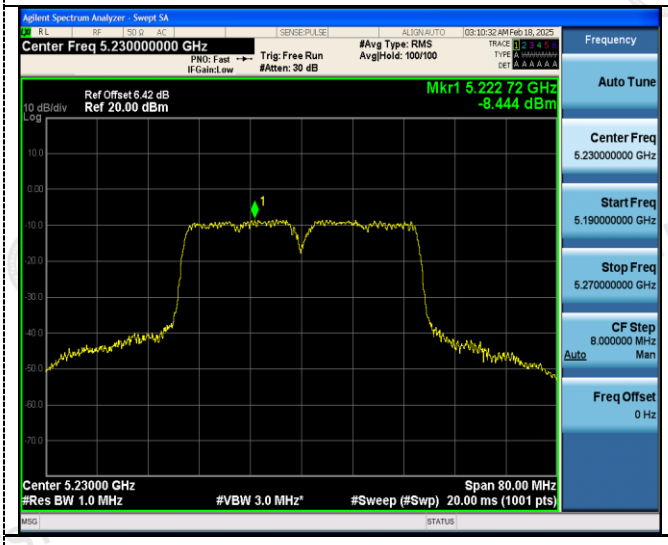
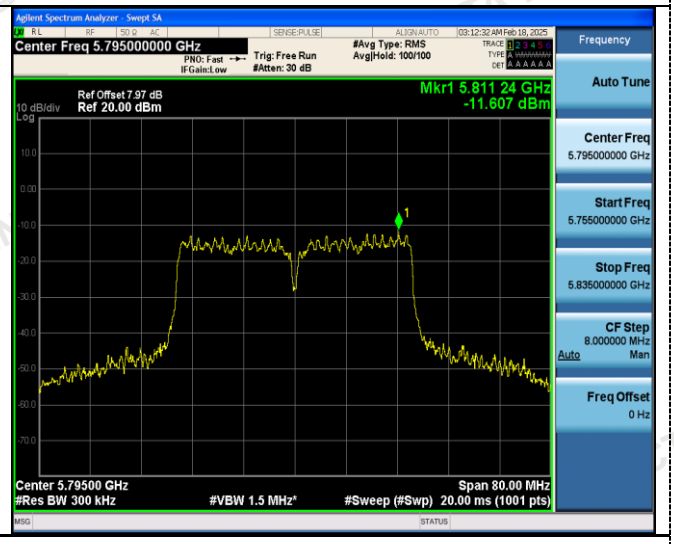
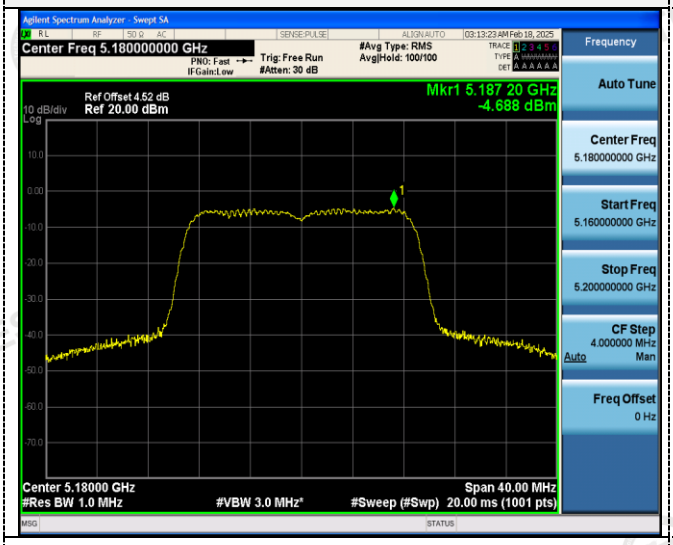
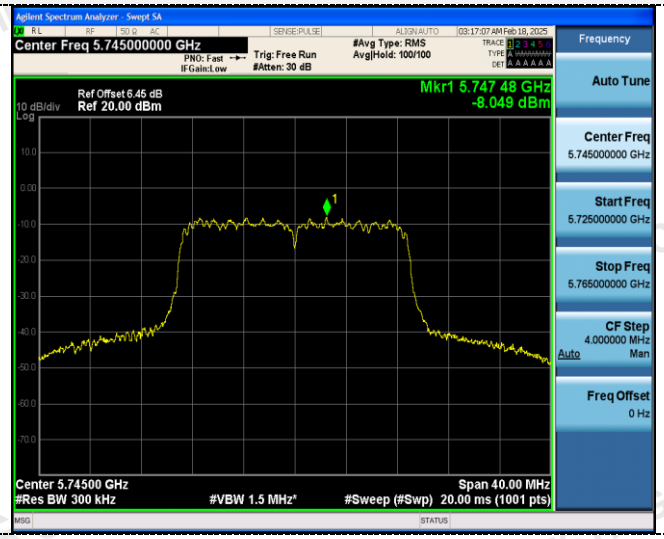
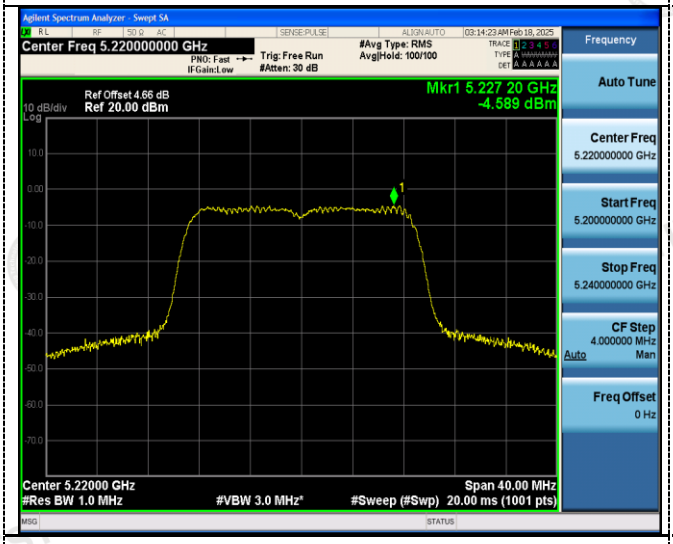
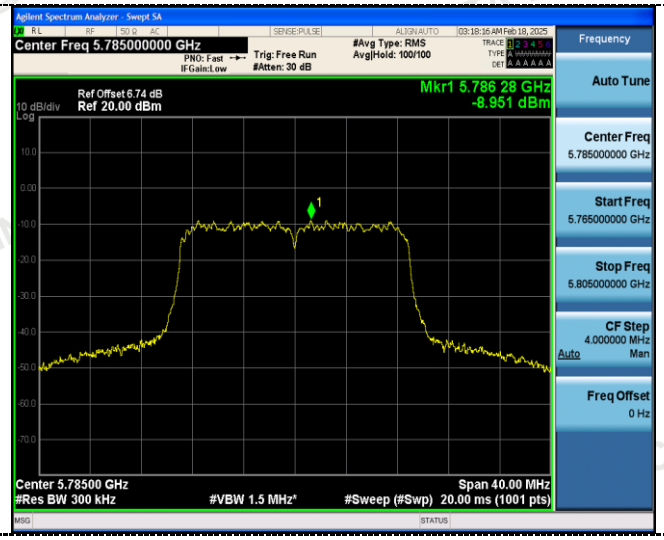
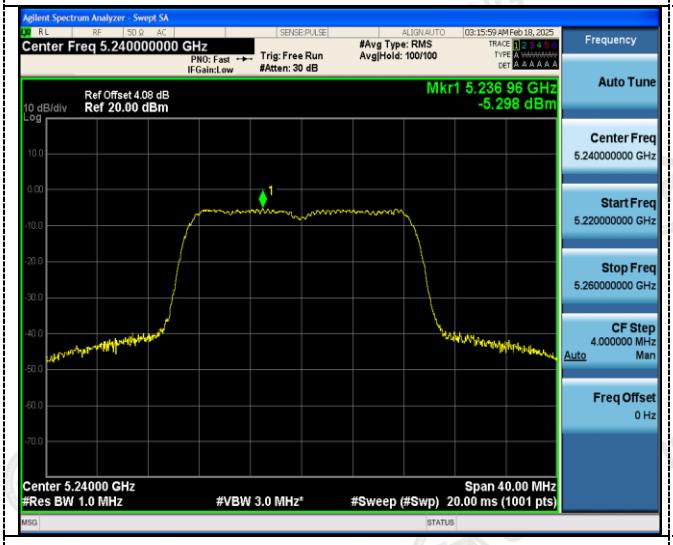
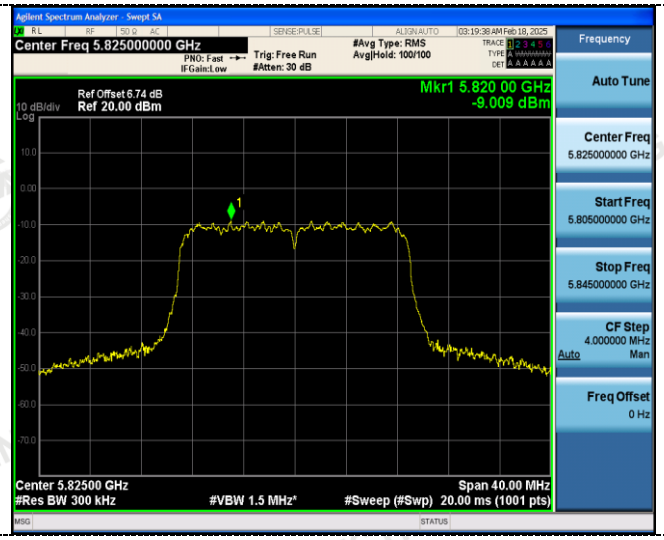
802.11ax(HT40)	
U-NII 1	U-NII 3
	
CH38	CH151
	
CH46	CH159
802.11ax(HT80)	
U-NII 1	U-NII 3
	
CH42	CH155

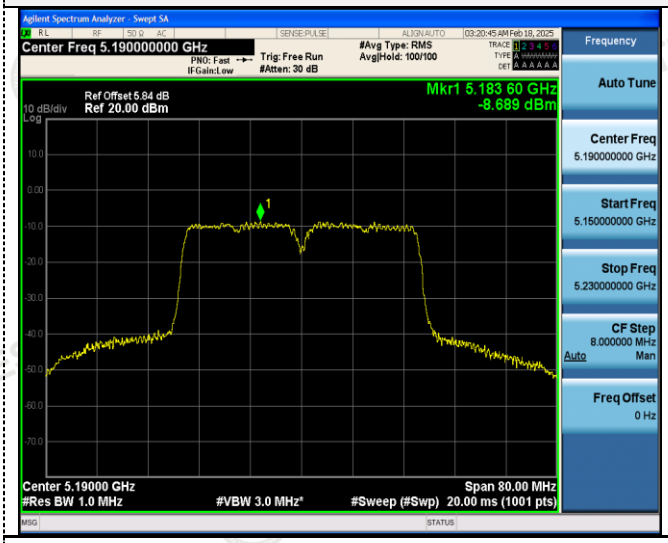
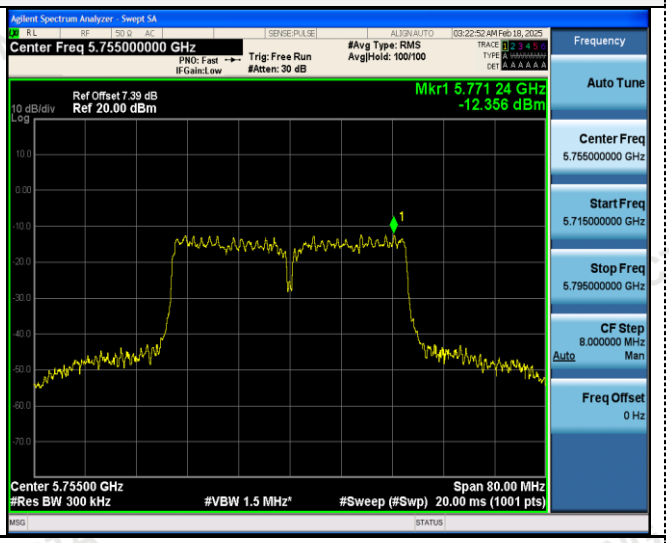
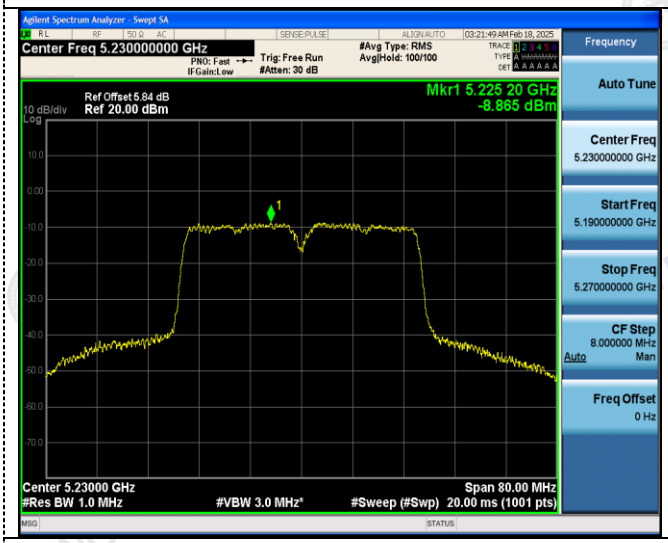
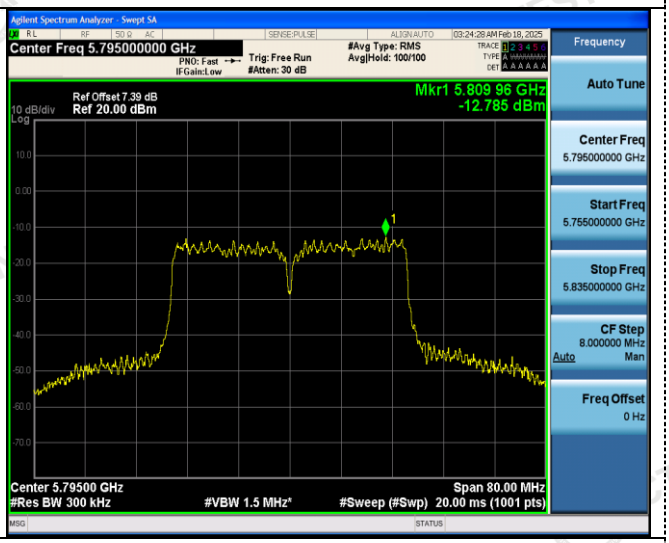
ANT 2

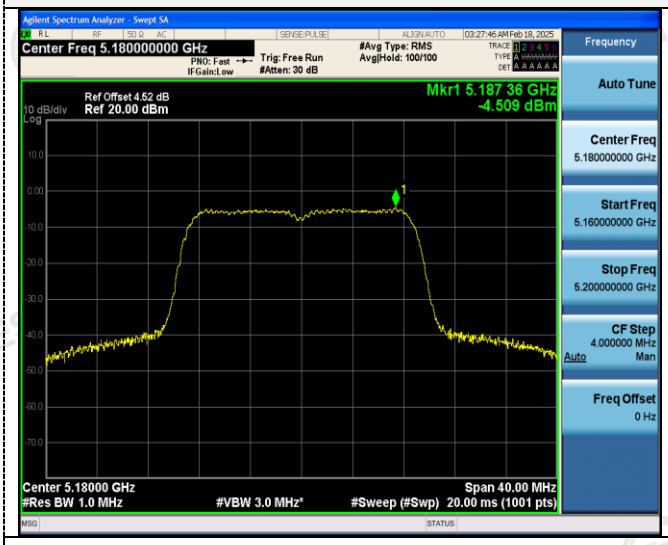
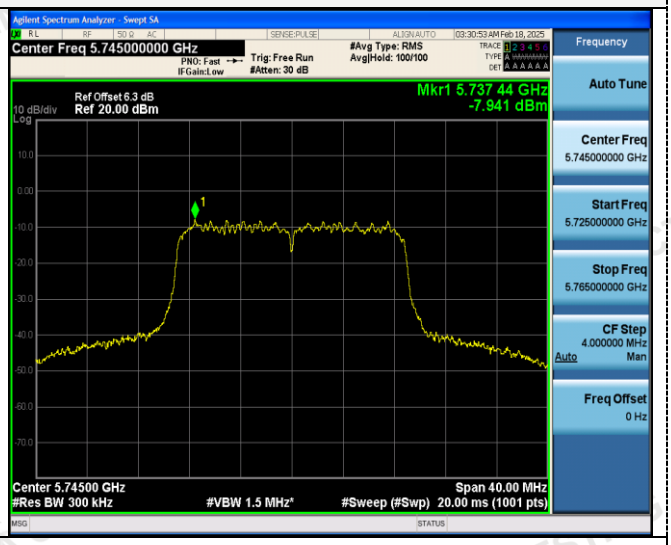
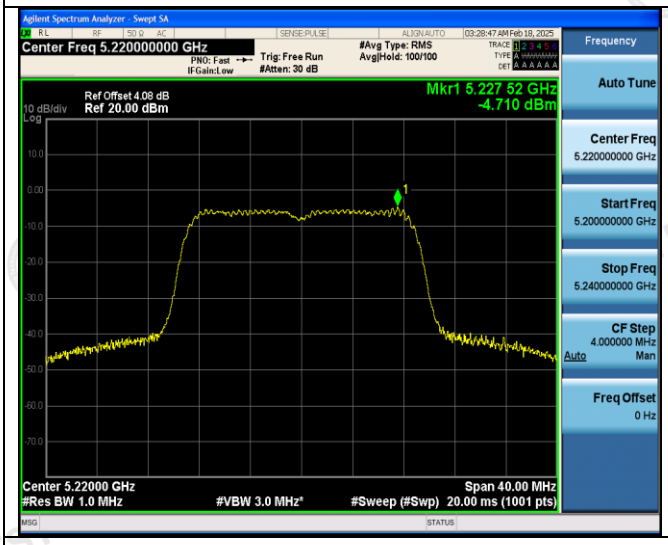
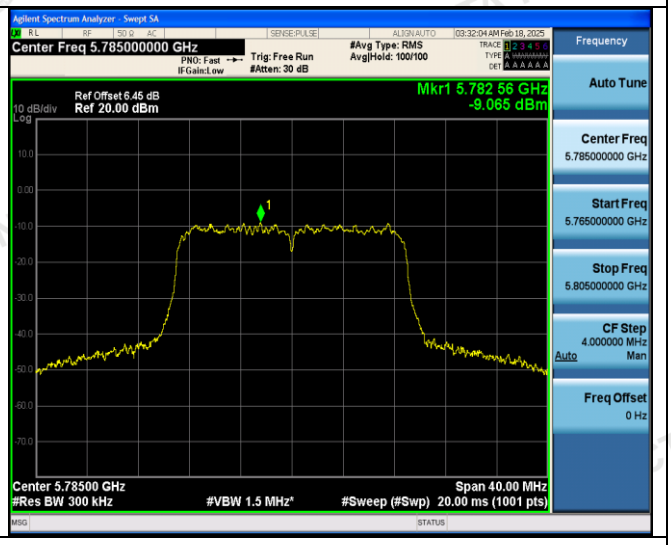
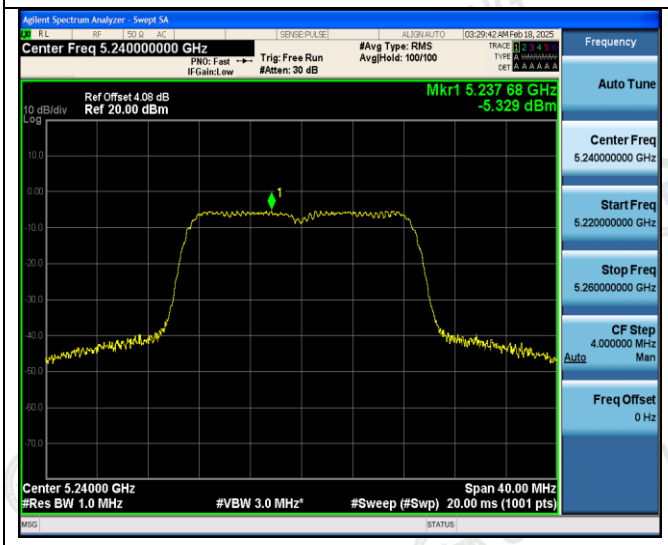
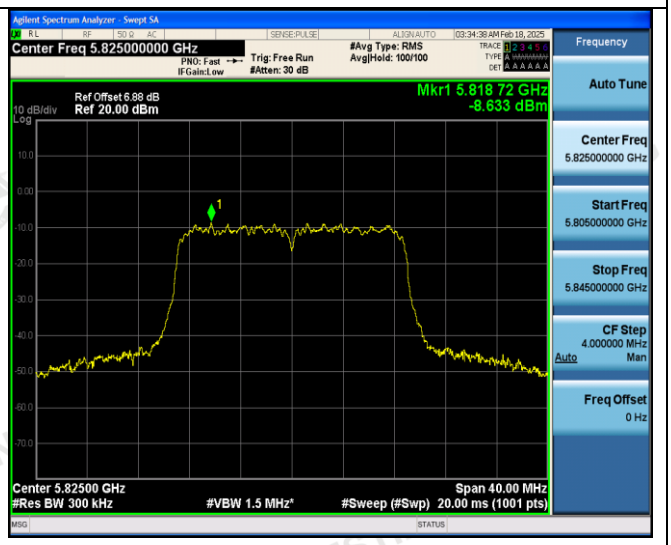
802.11a	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

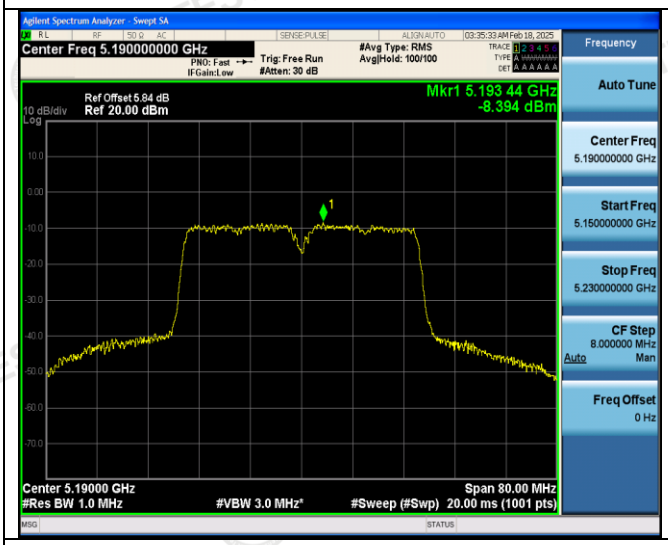
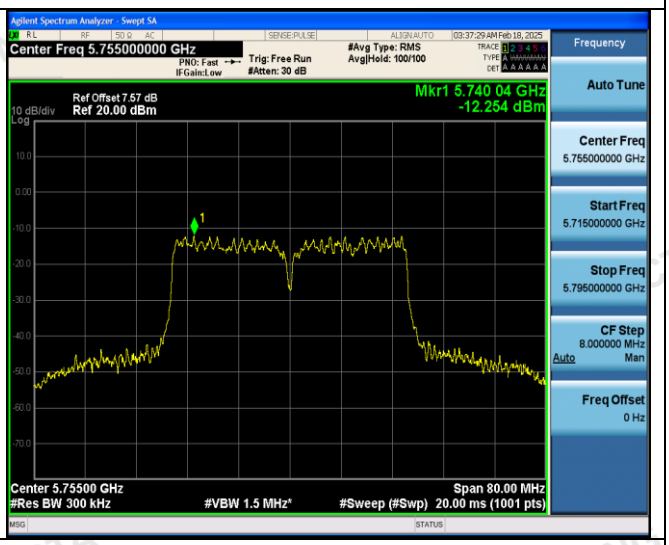
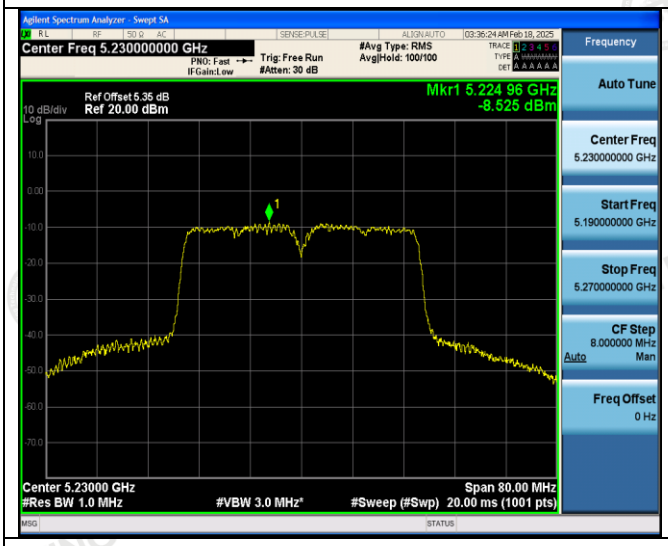
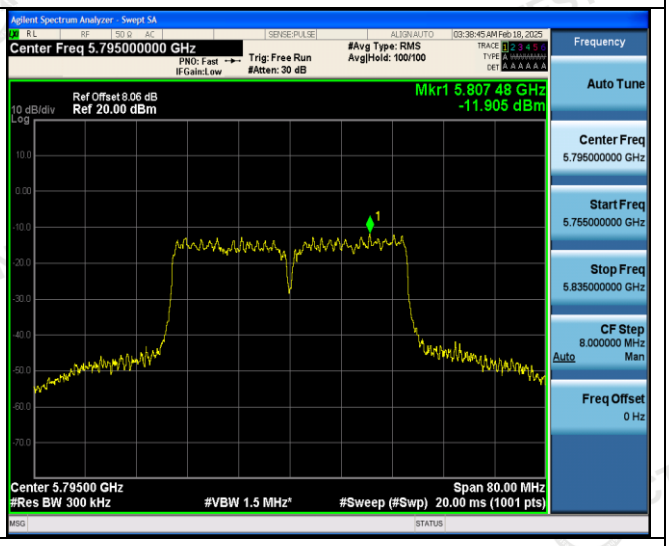
802.11n(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

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	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)

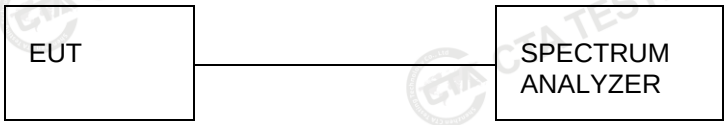
Limit

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	26.360	N/A	Pass
		44	26.320		
		48	20.800		
802.11n(HT20)	U-NII 1	36	24.920		
		44	23.600		
		48	25.480		
802.11n(HT40)	U-NII 1	38	42.880		
		46	44.800		
802.11ac(HT20)	U-NII 1	36	24.880		
		44	25.680		
		48	23.040		
802.11ac(HT40)	U-NII 1	38	41.920		
		46	42.000		
802.11ac(HT80)	U-NII 1	42	86.880		
802.11ax(HT20)	U-NII 1	36	22.240		
		44	23.640		
		48	24.680		
802.11ax(HT40)	U-NII 1	38	41.360		
		46	43.520		
802.11ax(HT80)	U-NII 1	42	82.720		

ANT 2

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	20.440	N/A	Pass
		44	22.360		
		48	25.480		
802.11n(HT20)	U-NII 1	36	23.920		
		44	25.040		
		48	25.200		
802.11n(HT40)	U-NII 1	38	43.280		
		46	42.800		
802.11ac(HT20)	U-NII 1	36	25.880		
		44	22.160		
		48	22.520		
802.11ac(HT40)	U-NII 1	38	40.640		
		46	41.600		
802.11ac(HT80)	U-NII 1	42	82.080		
802.11ax(HT20)	U-NII 1	36	24.640		
		44	22.680		
		48	25.560		
802.11ax(HT40)	U-NII 1	38	42.080		
		46	40.640		
802.11ax(HT80)	U-NII 1	42	83.040		

Test plot as follows: