

802.11n(HT40)

U-NII 1



802.11ac(VHT20)

U-NII 1



CH38



CH36



CH46

CH40



CH48

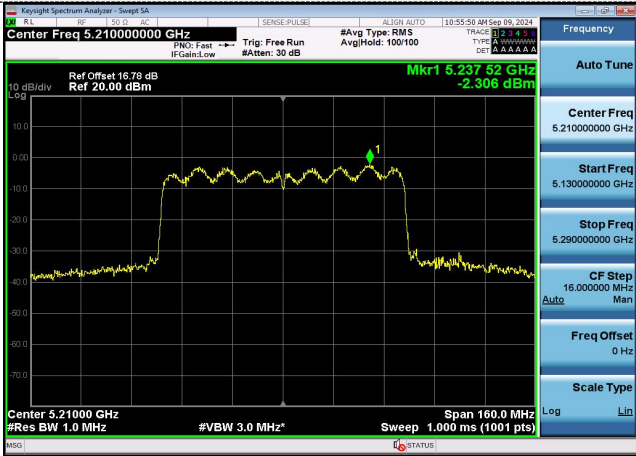
802.11ac(VHT40)

U-NII 1



802.11ac(VHT80)

U-NII 1



CH38



CH42

CH46

802.11a

U-NII 3



802.11n(HT20)

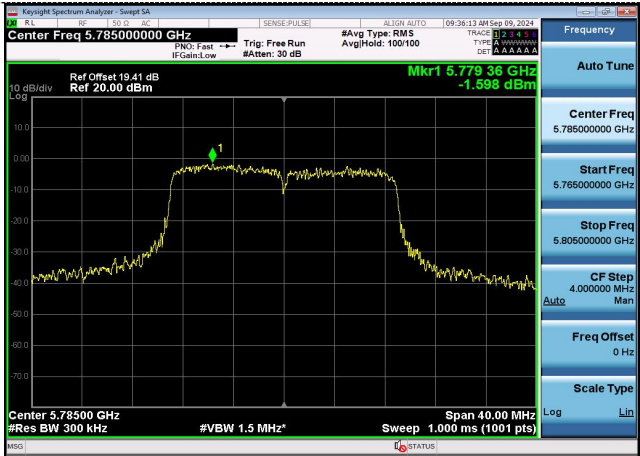
U-NII 3



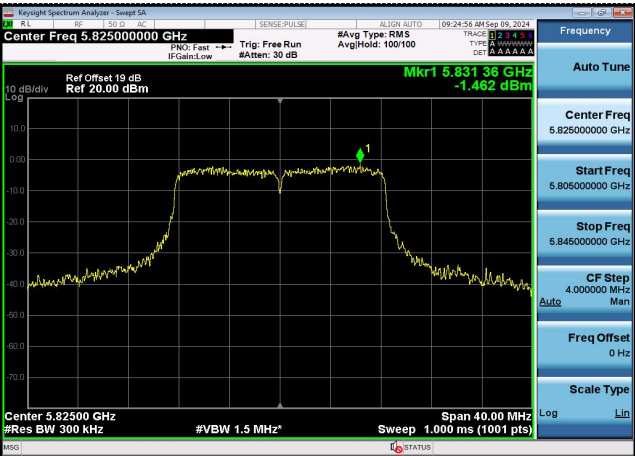
CH149



CH149



CH157



CH157

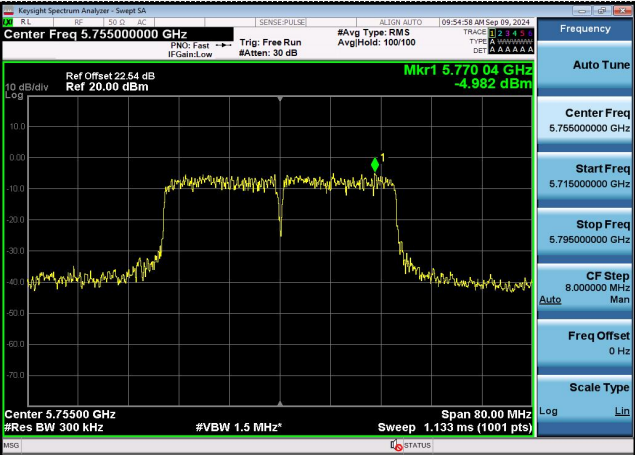


CH165

CH165

802.11n(HT40)

U-NII 3

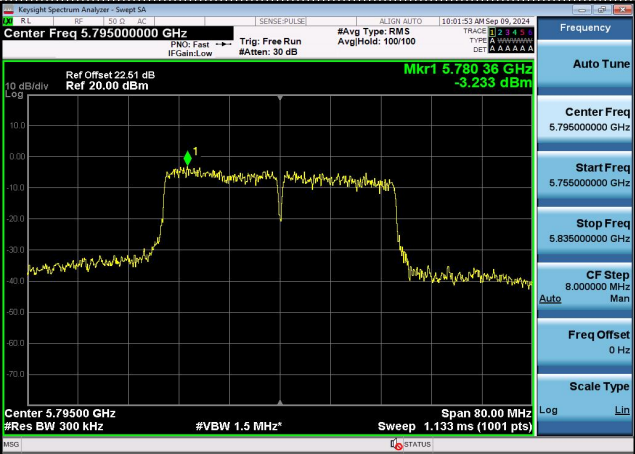


802.11ac(VHT20)

U-NII 3



CH151



CH149



CH159

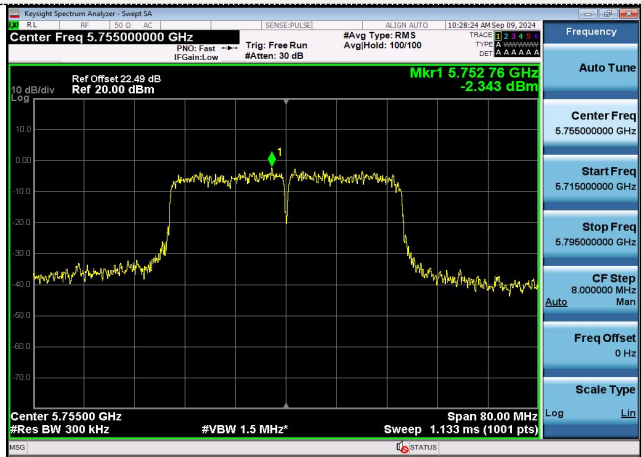
CH157



CH165

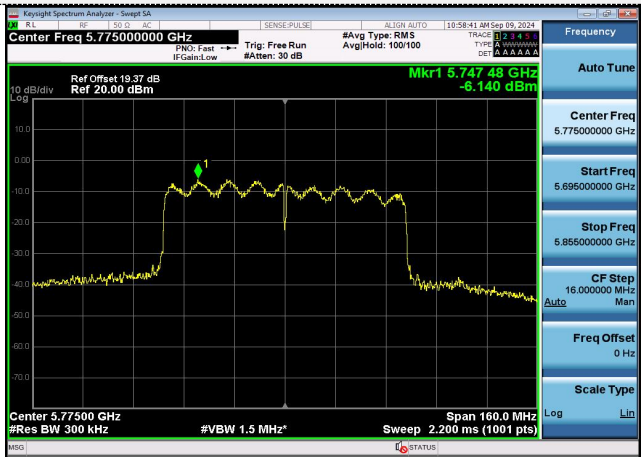
802.11ac(VHT40)

U-NII 3

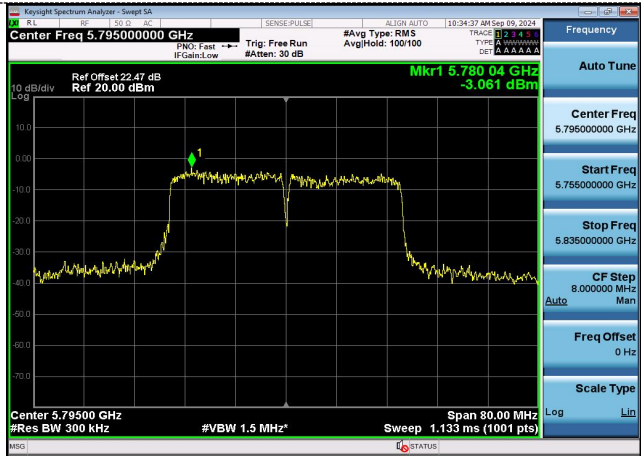


802.11ac(VHT80)

U-NII 3



CH151



CH155

CH159

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

Type	Bands	Channel	26dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.920	N/A	Pass
		40	20.680		
		48	25.800		
802.11n(HT20)	U-NII 1	36	20.920		
		40	21.320		
		48	23.520		
802.11n(HT40)	U-NII 1	38	40.720		
		46	48.160		
802.11ac(VHT20)	U-NII 1	36	21.560		
		40	20.600		
		48	24.720		
802.11ac(VHT40)	U-NII 1	38	40.560		
		46	40.320		
802.11ac(VHT80)	U-NII 1	42	92.640		

Test plot as follows:

