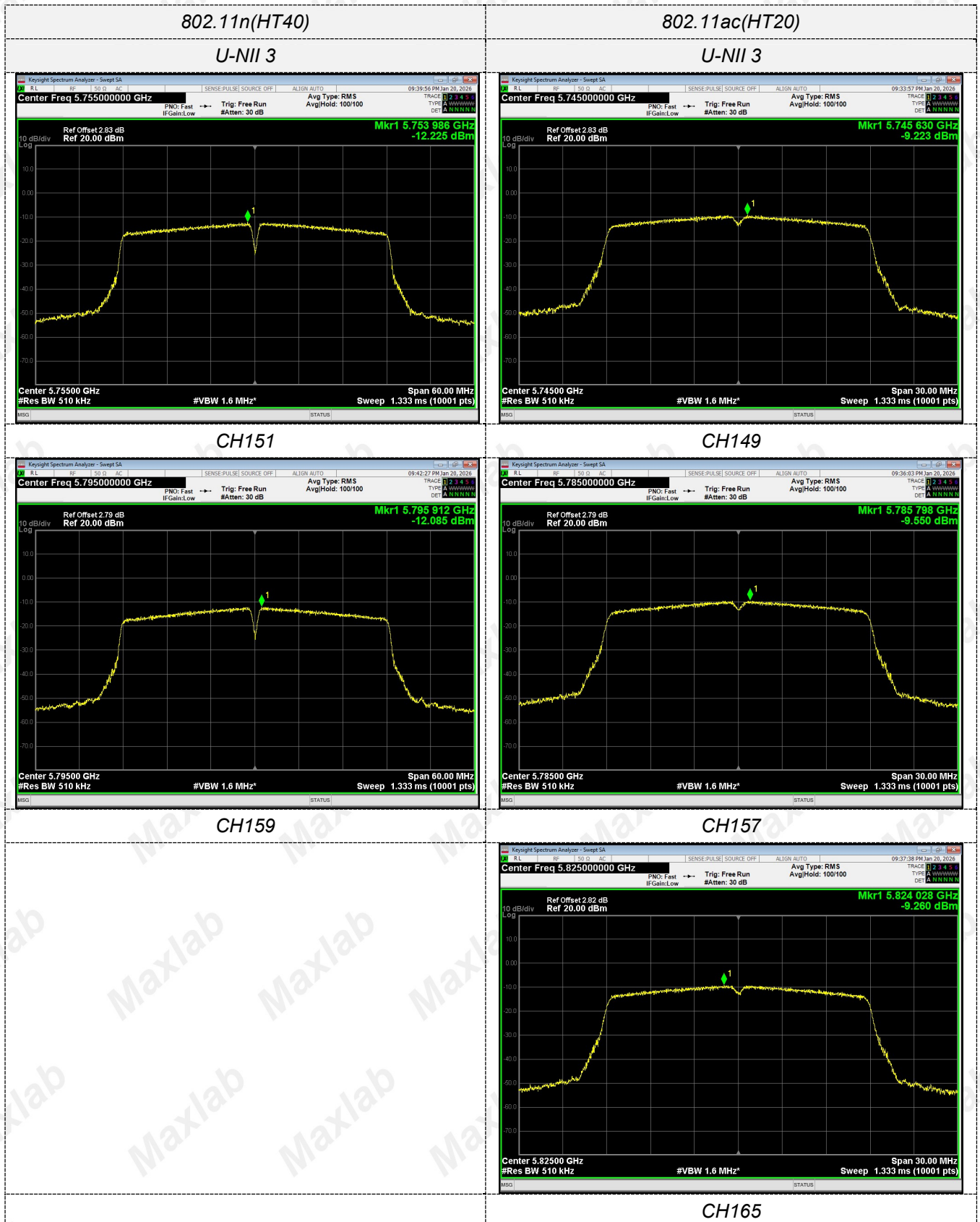






4.5 Emission Bandwidth (26dBm Bandwidth)

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

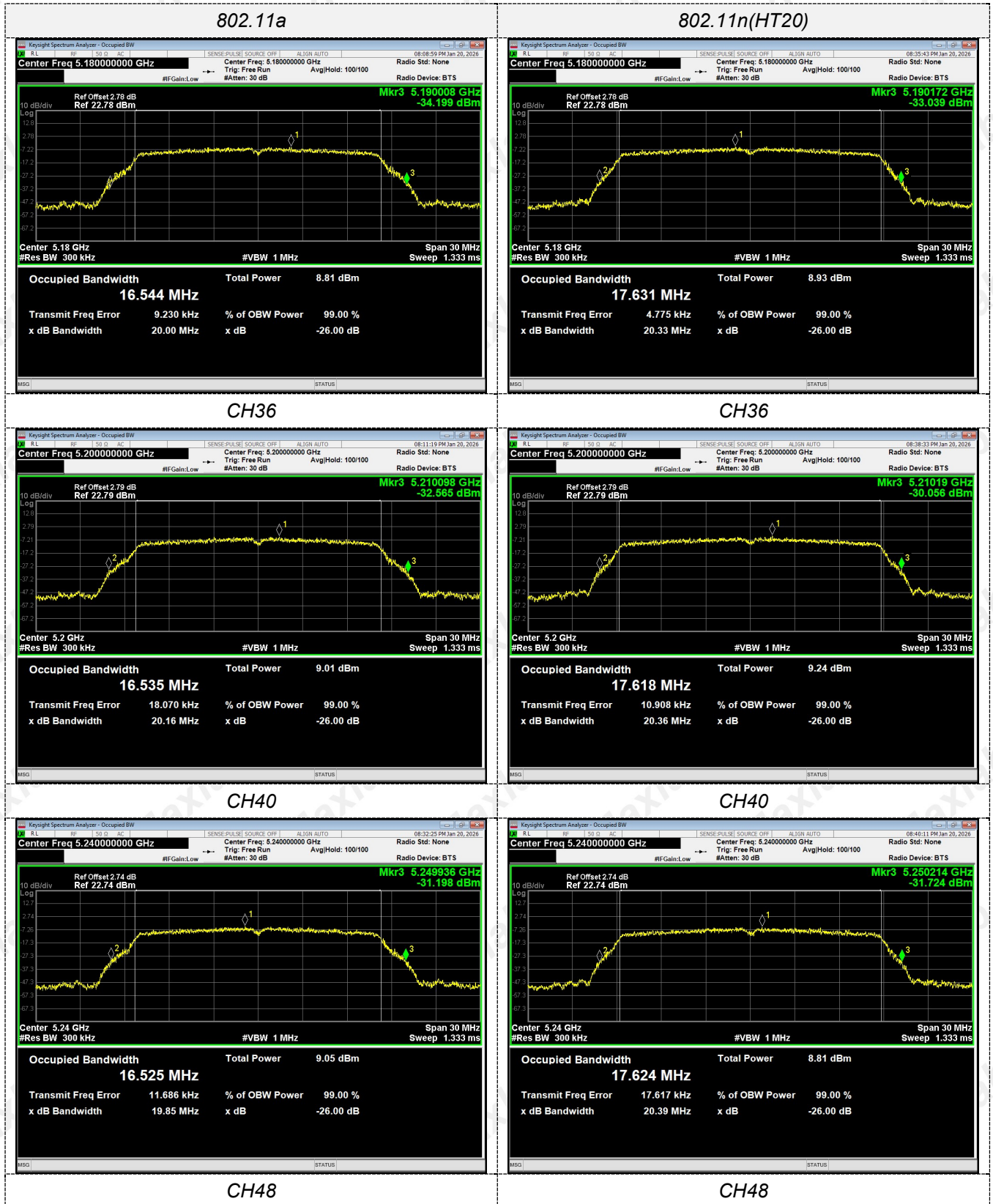


Test Results

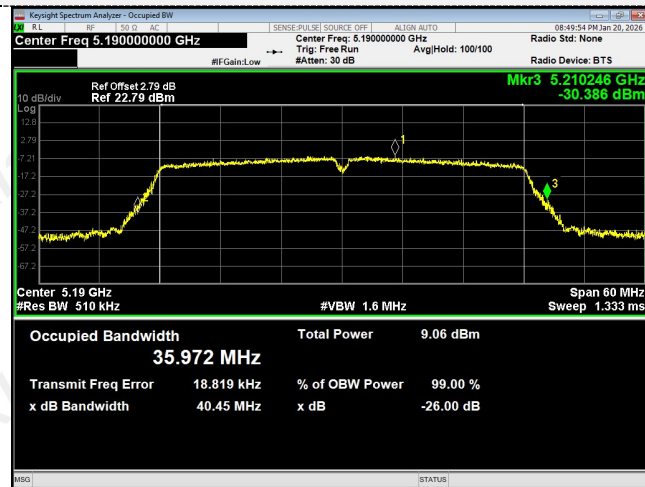
Type	Bands	Channel	26dB Bandwidth (MHz)	Result
802.11a	U-NII 1	36	19.998	Pass
		40	20.160	
		48	19.849	
802.11n(HT20)	U-NII 1	36	20.334	
		40	20.359	
		48	20.393	
802.11n(HT40)	U-NII 1	38	40.454	
		46	40.309	
802.11ac(HT20)	U-NII 1	36	20.198	
		40	20.120	
		48	20.470	
802.11ac(HT40)	U-NII 1	38	40.485	
		46	40.878	
802.11ac(HT80)	U-NII 1	42	80.446	

Type	Bands	Channel	26dB Bandwidth (MHz)	Result
802.11a	U-NII 3	149	20.06	Pass
		157	19.63	
		165	19.63	
802.11n(HT20)	U-NII 3	149	20.18	
		157	20.10	
		165	20.14	
802.11n(HT40)	U-NII 3	151	40.19	
		159	40.74	
802.11ac(HT20)	U-NII 3	149	20.32	
		157	20.04	
		165	20.21	
802.11ac(HT40)	U-NII 3	151	40.41	
		159	39.97	
802.11ac(HT80)	U-NII 3	155	80.34	

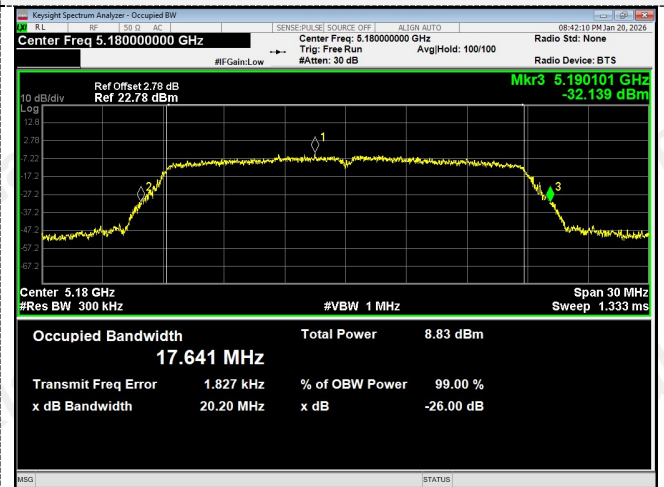
Test plot as follows:



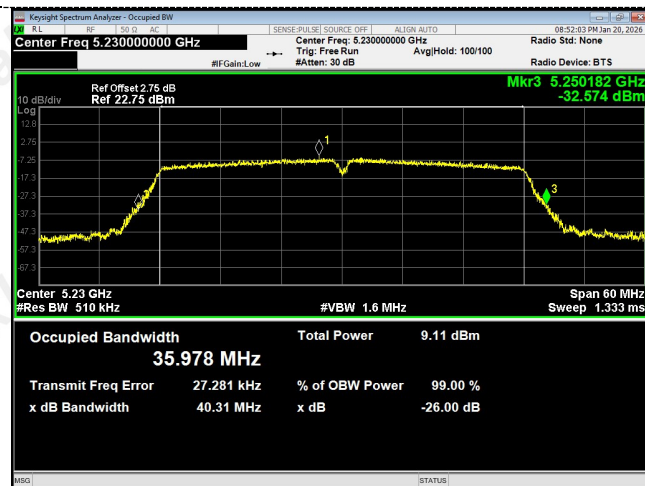
802.11n(HT40)



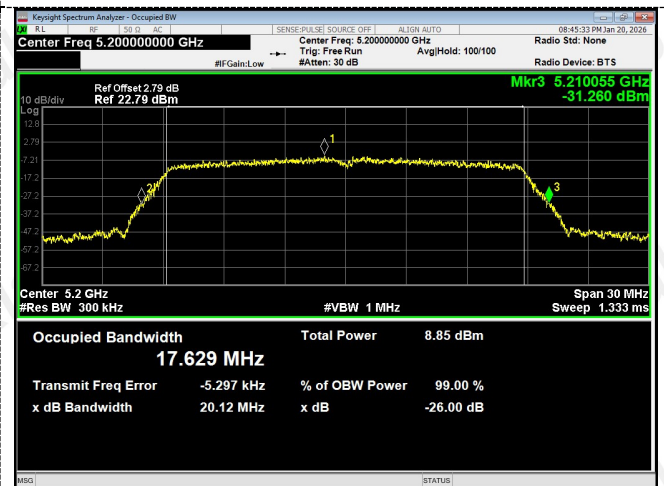
802.11ac(HT20)



CH38

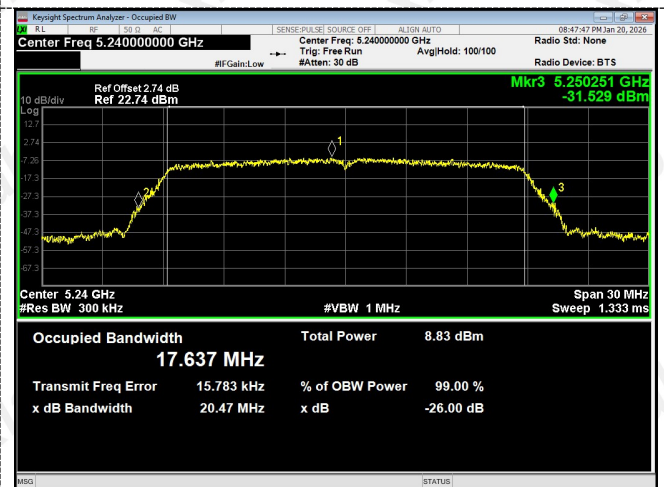


CH36



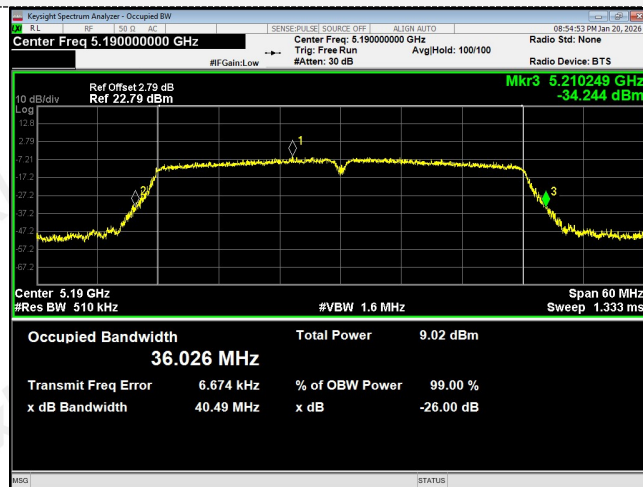
CH46

CH40

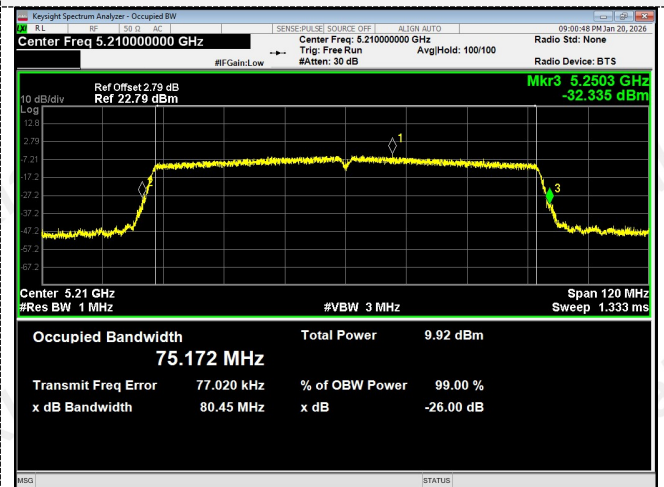


CH48

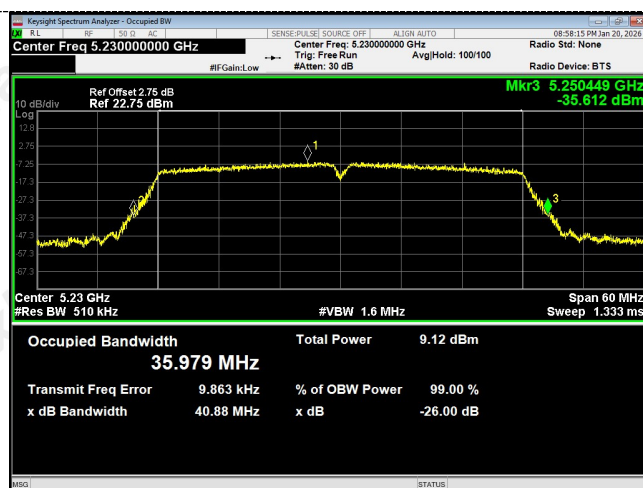
802.11ac(HT40)



802.11ac(HT80)



CH38

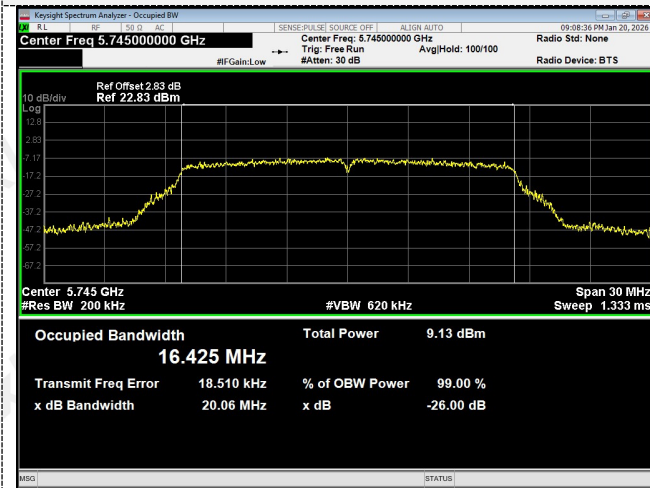


CH42

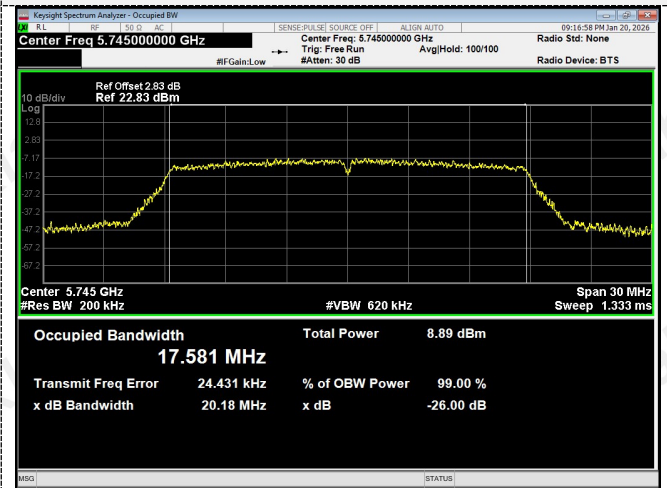
CH46

U-NII 3/ 5.8G

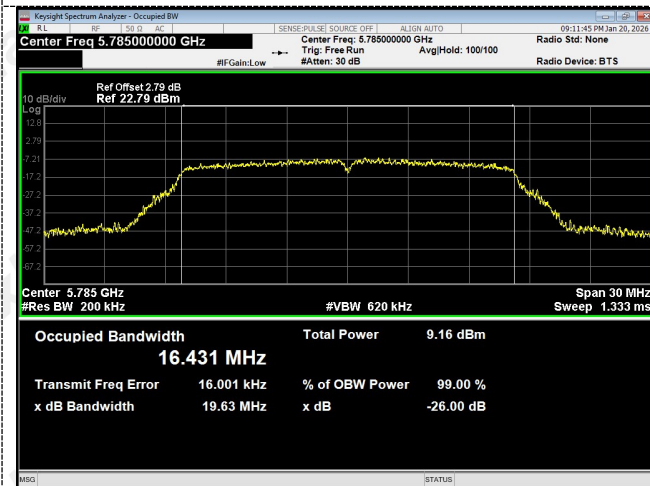
802.11a



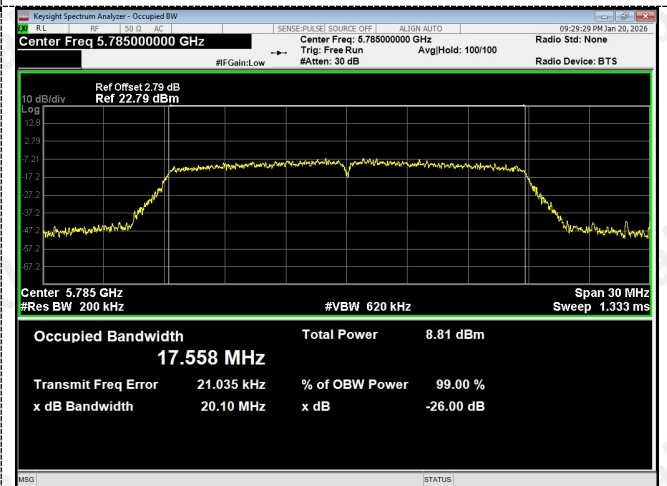
802.11n(HT20)



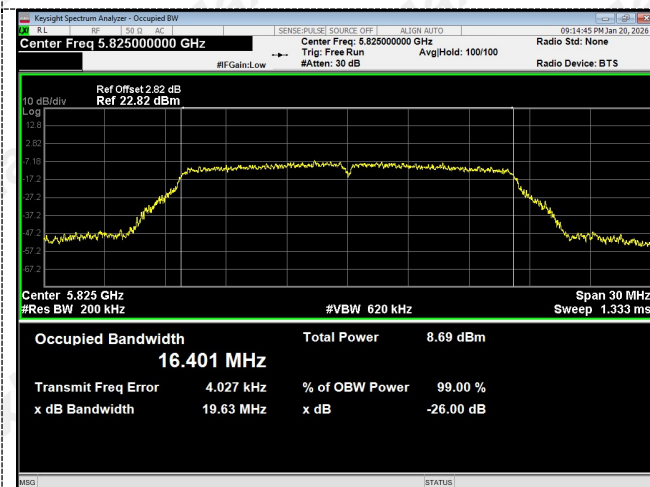
CH149



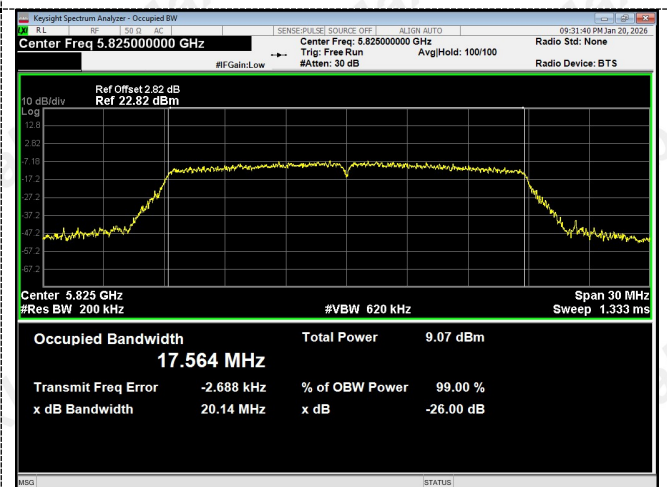
CH149



CH157



CH157



CH165

CH165