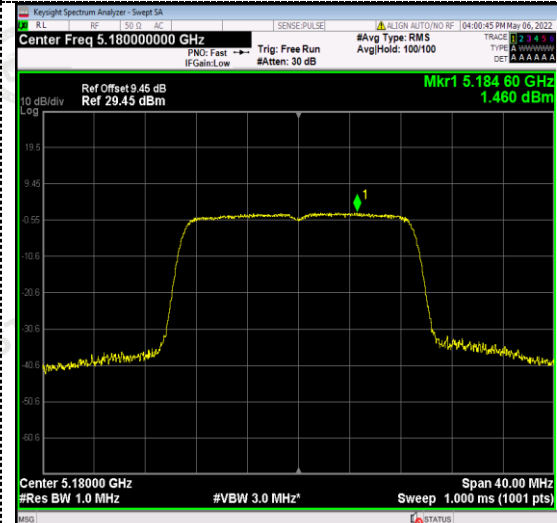
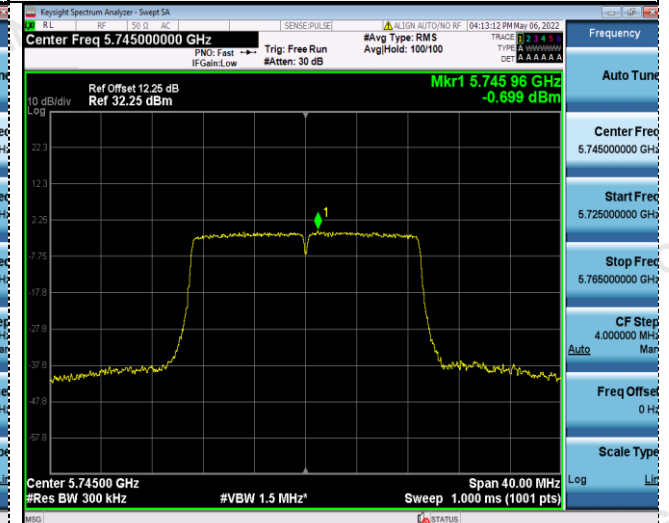


802.11n(HT20)

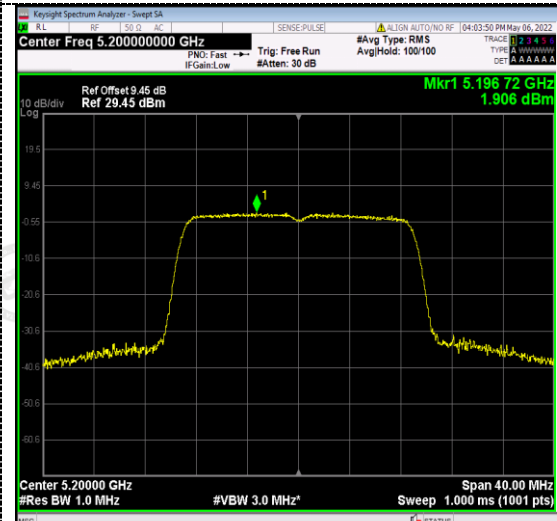
U-NII 1



U-NII 3



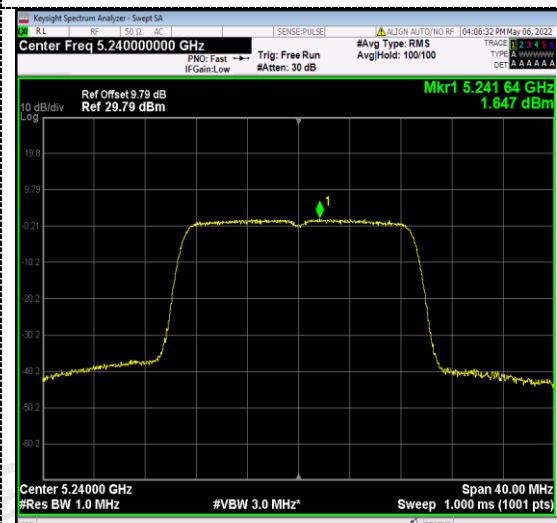
CH36



CH149



CH40



CH157



CH48

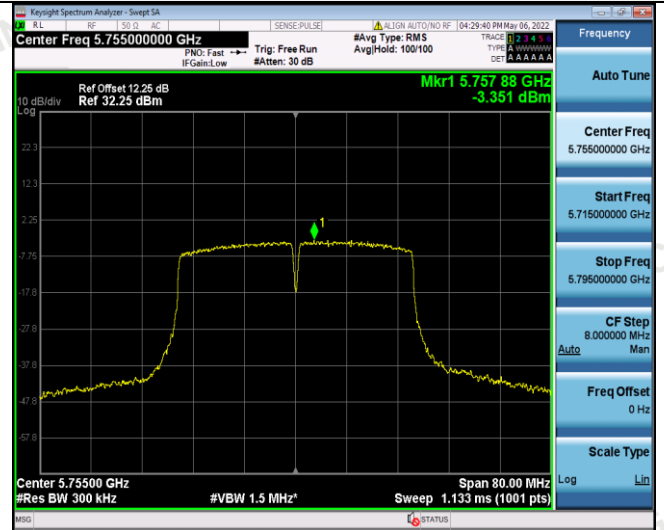
CH165

802.11n(HT40)

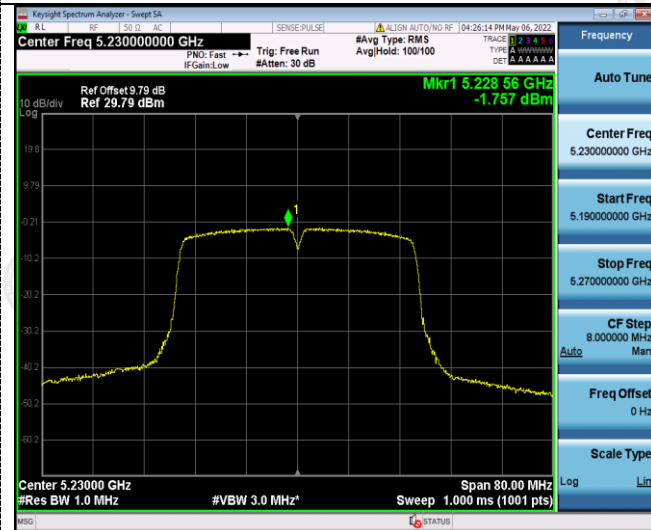
U-NII 1



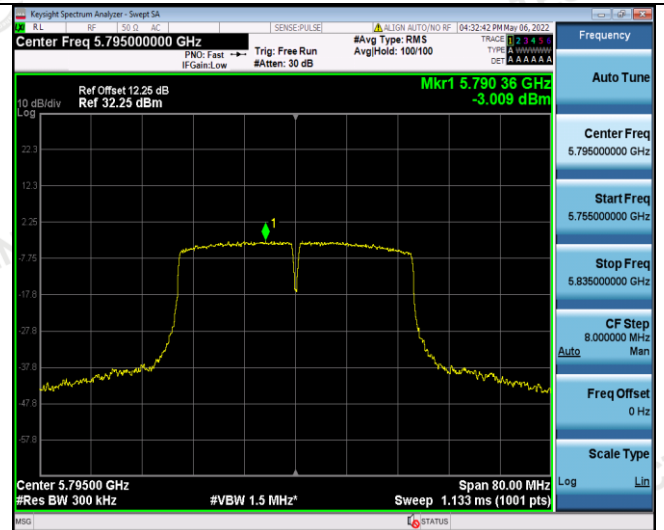
U-NII 3



CH38



CH151

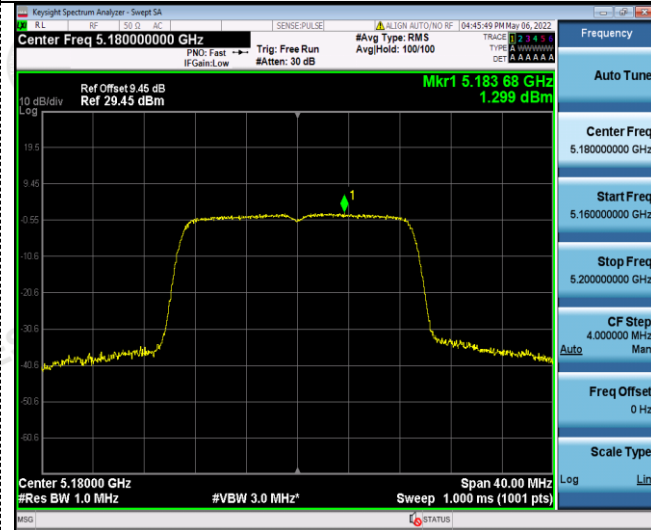


CH46

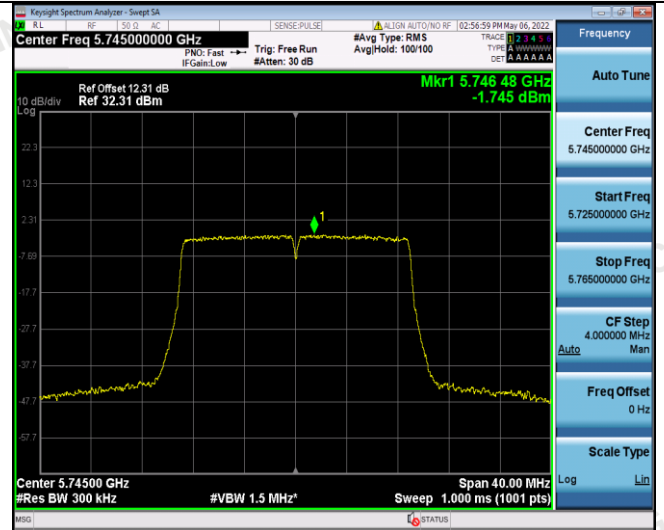
CH159

802.11ac(HT20)

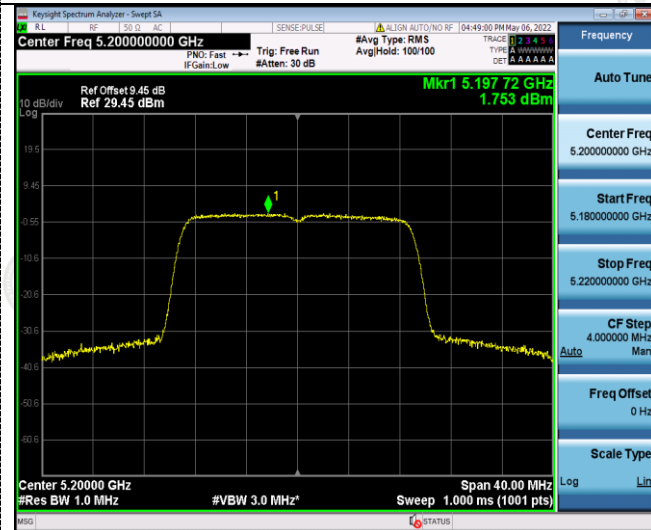
U-NII 1



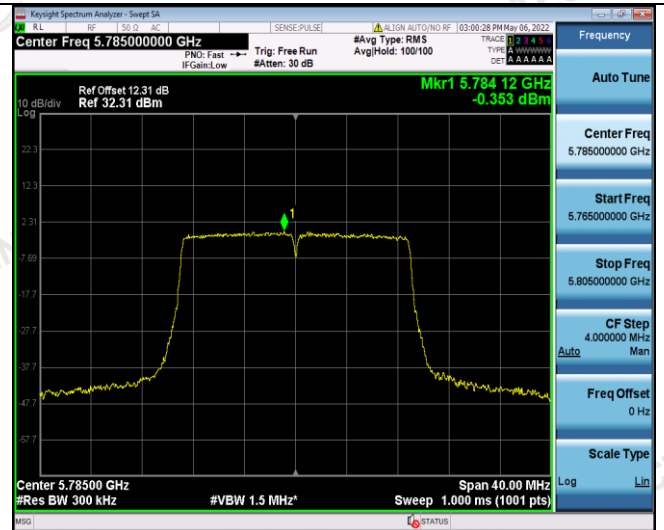
U-NII 3



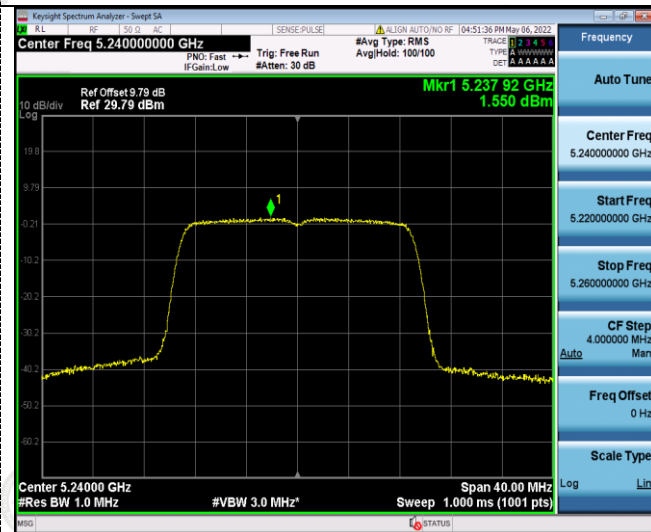
CH36



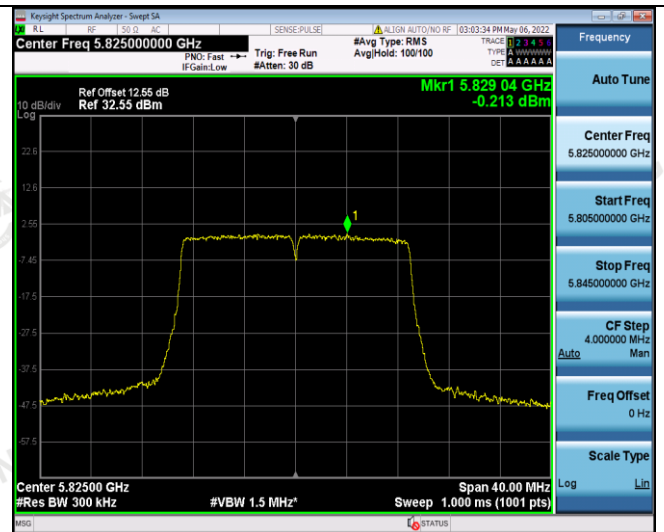
CH149



CH40



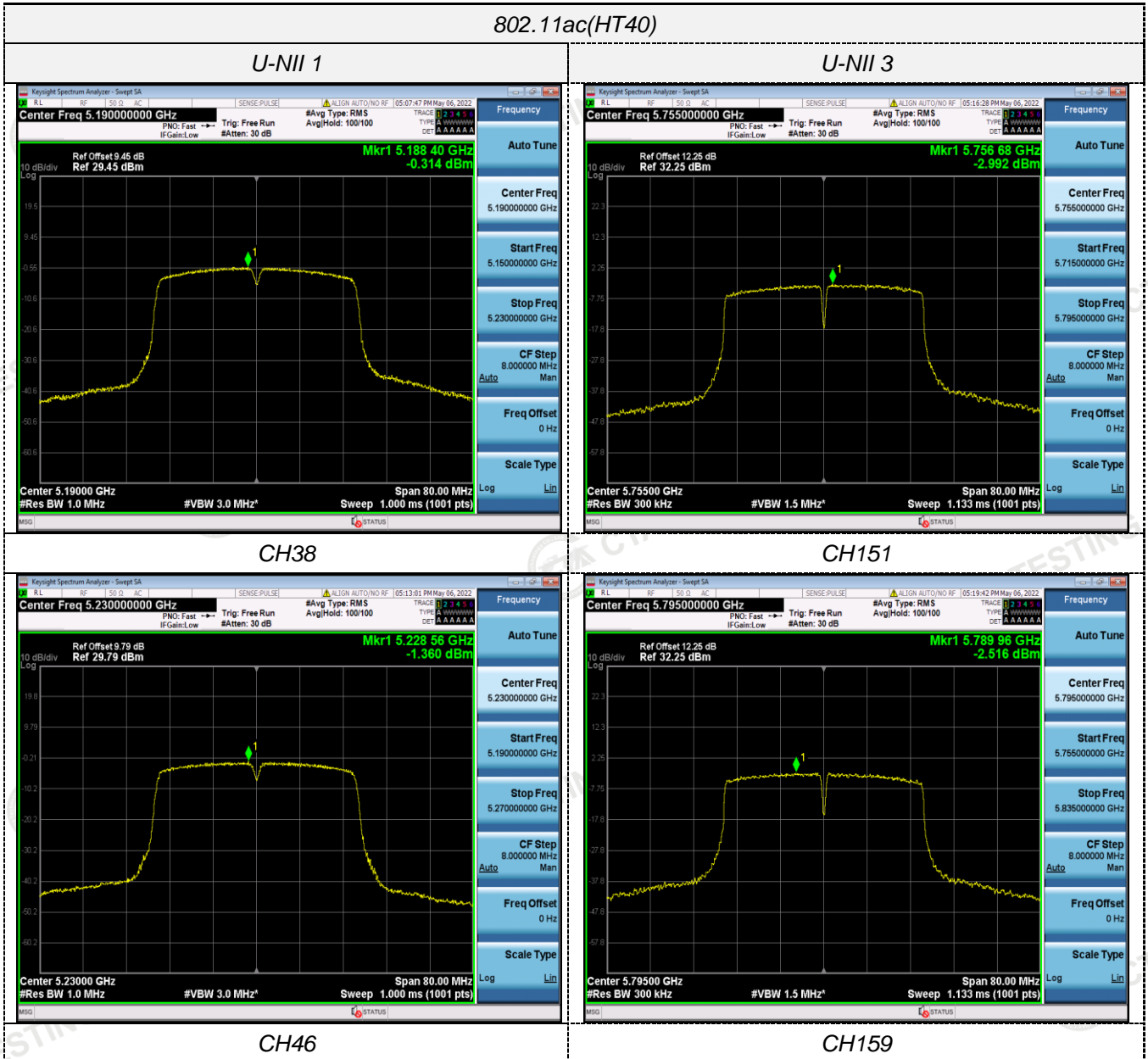
CH157



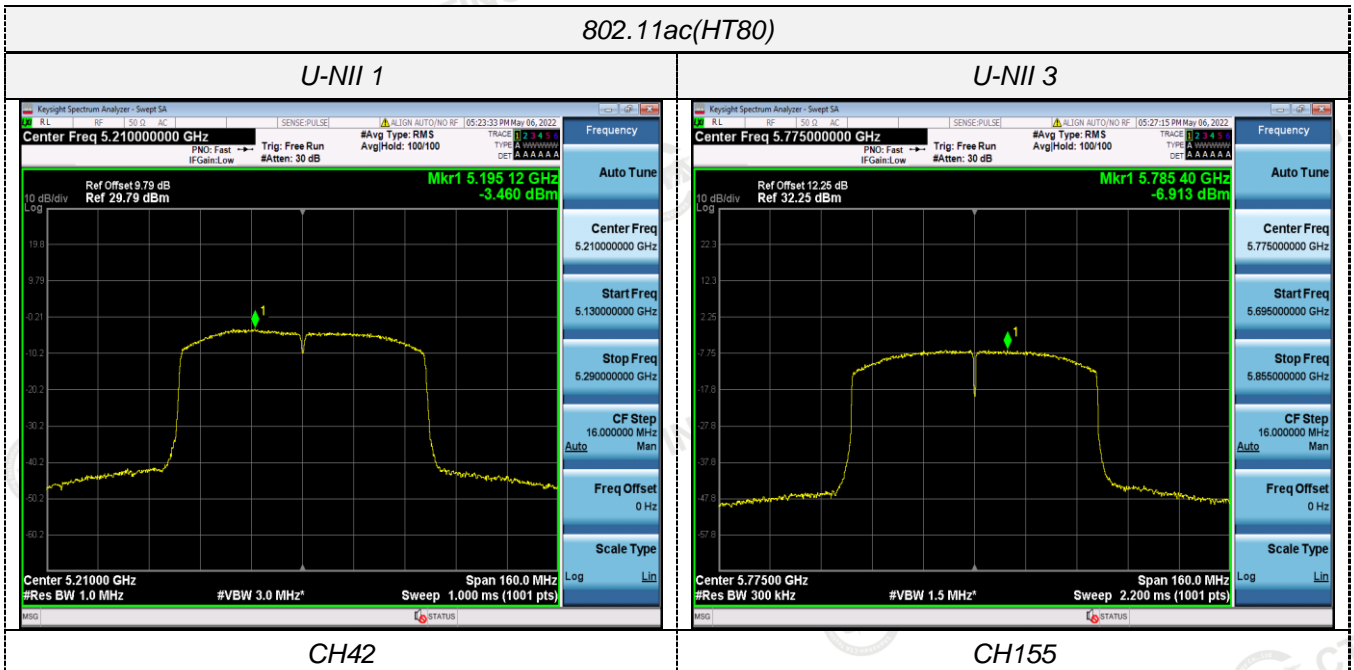
CH48

CH165

802.11ac(HT40)



802.11ac(HT80)



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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



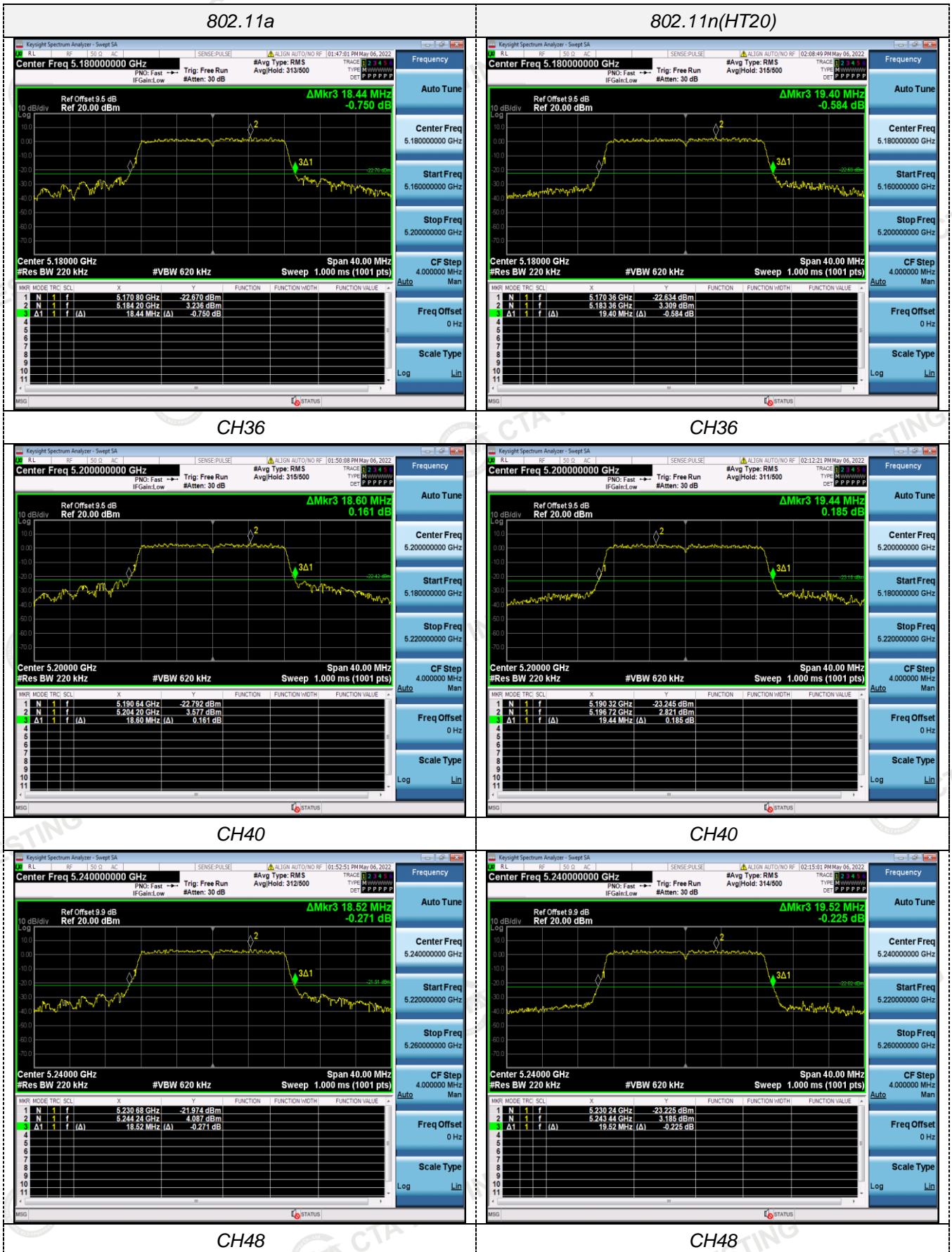
Test Results

Type	Bands	Channel	26dB Bandwidth (MHz)		Limit (MHz)	Result
			Ant. 1	Ant. 2		
802.11a	U-NII 1	36	18.44	20.56	N/A	Pass
		40	18.60	18.56		
		48	18.52	18.48		
802.11n(HT20)	U-NII 1	36	19.40	19.60		
		40	19.44	19.56		
		48	19.52	19.40		
802.11n(HT40)	U-NII 1	38	41.04	41.12		
		46	40.96	41.04		
802.11ac(HT20)	U-NII 1	36	19.40	19.40		
		40	19.40	19.56		
		48	19.36	19.32		
802.11ac(HT40)	U-NII 1	38	40.72	40.40		
		46	40.64	41.04		
802.11ac(HT80)	U-NII 1	42	80.64	80.64		

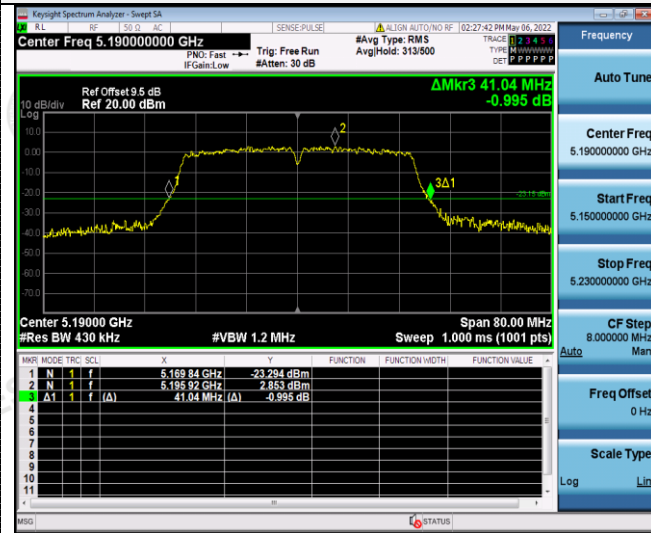
Note:

1. Measured 26dB bandwidth at difference data rate for each mode and recorded worst case for each mode.
2. Test results including cable loss;
3. Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40 and IEEE 802.11ac VHT80;
4. Please refer to following test plots;

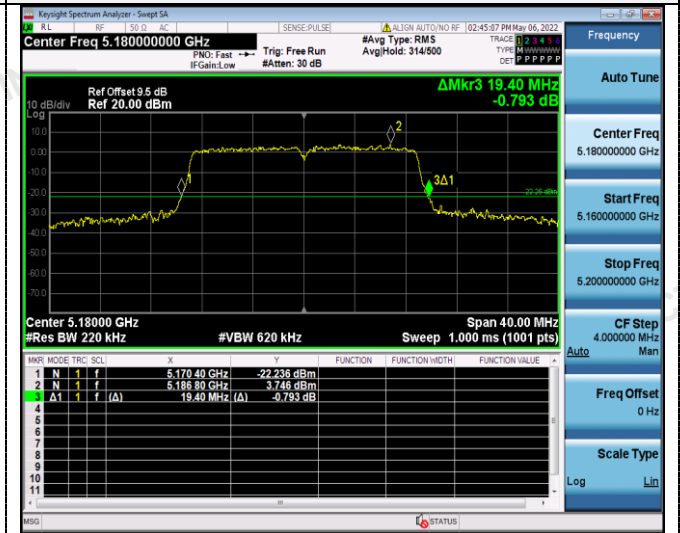
ANT1



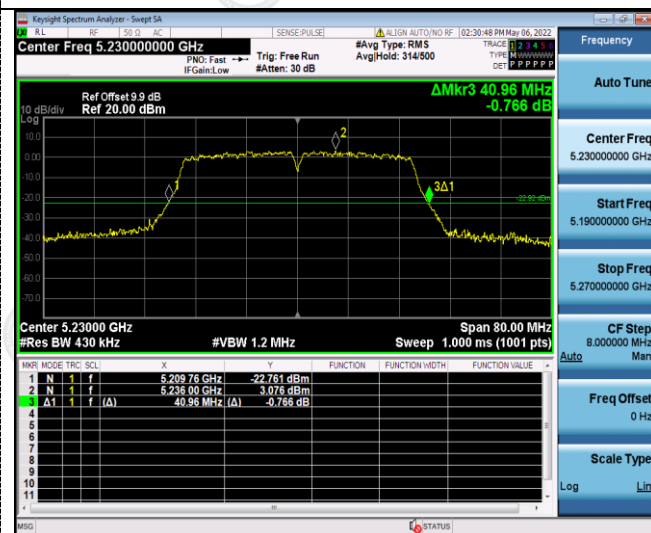
802.11n(HT40)



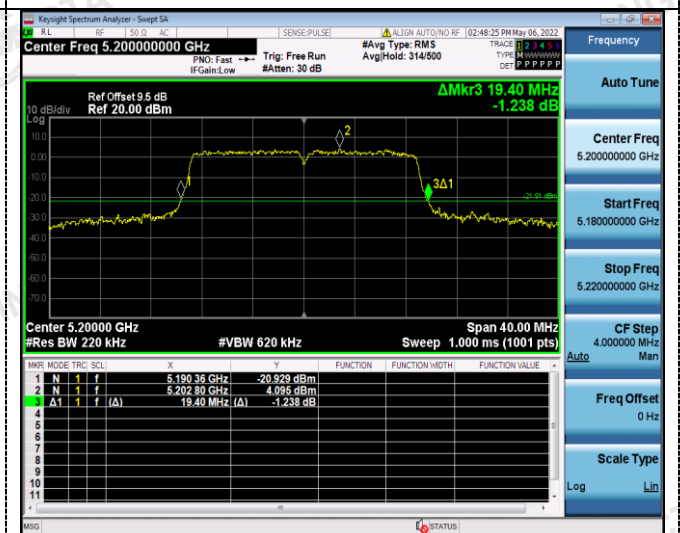
802.11ac(HT20)



CH38



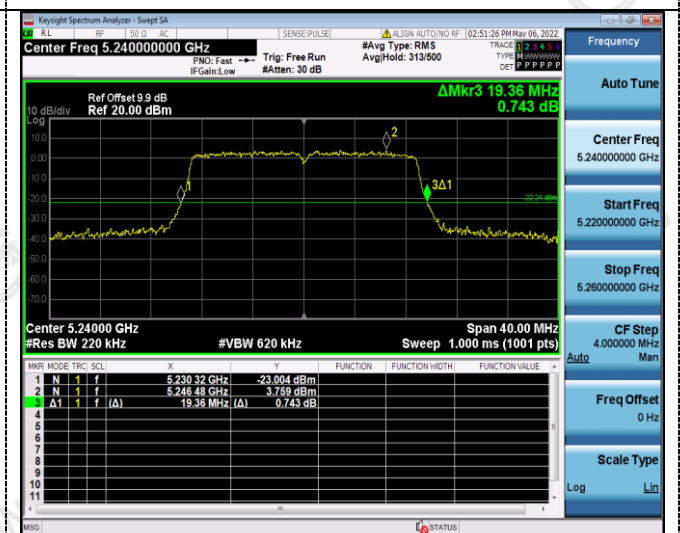
CH36



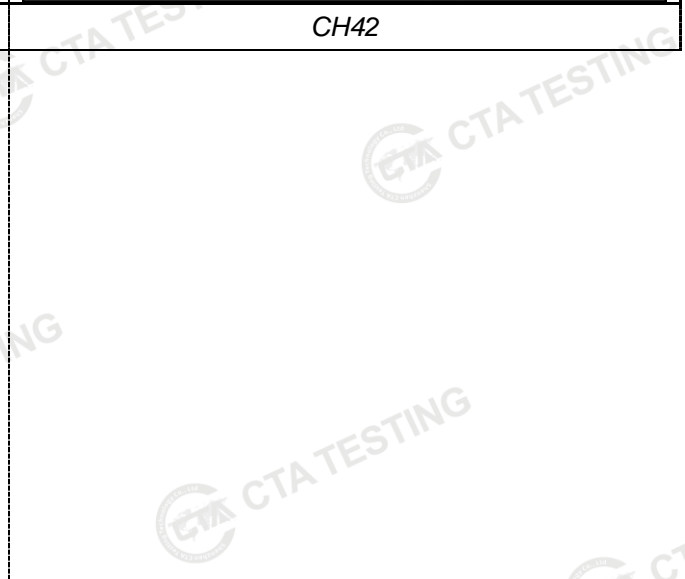
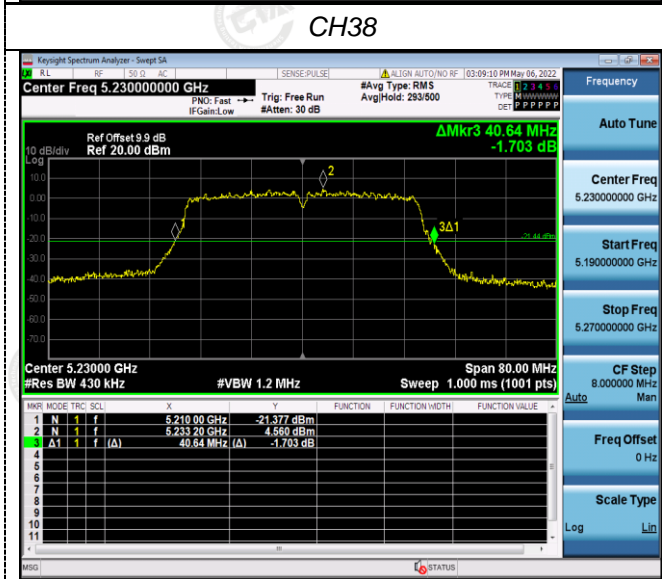
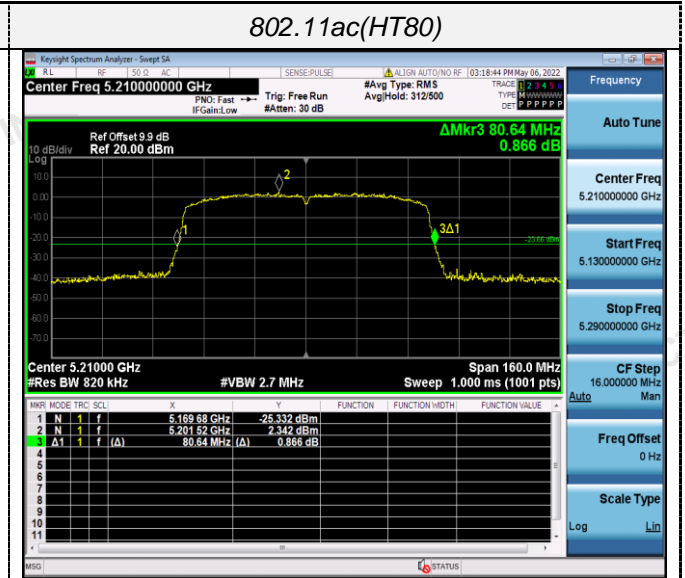
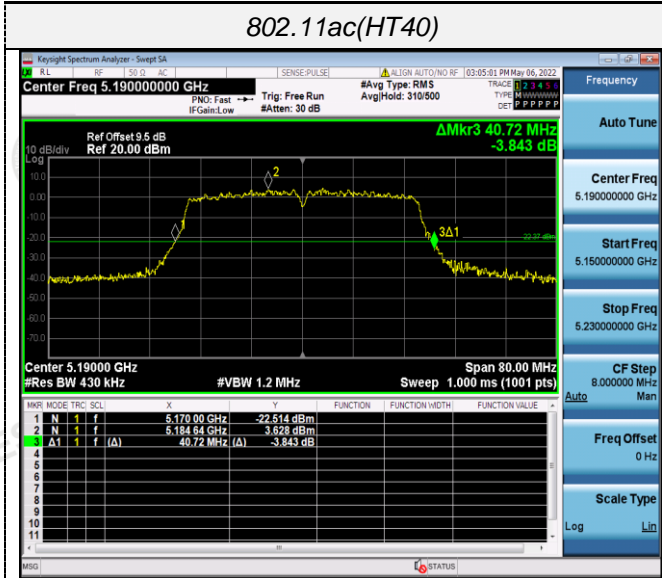
CH46



CH40



CH48



CH46

ANT2

