

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
			ANT 1	ANT 2	
802.11n(HT20)	U-NII 1	36	22.05	21.33	PASS
		40	22.89	21.24	
		48	21.96	21.63	
802.11n(HT40)	U-NII 1	38	41.94	42.66	
		46	42.60	42.36	
802.11ac(VHT20)	U-NII 1	36	26.58	22.11	
		40	22.92	22.14	
		48	22.95	22.47	
802.11ac(VHT40)	U-NII 1	38	42.24	42.42	
		46	43.26	42.54	
802.11ac(VHT80)	U-NII 1	42	80.28	83.40	

Type	Bands	Channel	26dB Bandwidth (MHz)		Result
			ANT 1	ANT 2	
802.11n(HT20)	U-NII 2A	52	23.01	22.71	PASS
		60	23.16	22.68	
		64	22.35	22.65	
802.11n(HT40)	U-NII 2A	54	48.54	44.58	
		62	43.02	48.66	
802.11ac(VHT20)	U-NII 2A	52	26.04	21.90	
		60	23.58	23.10	
		64	23.01	23.49	
802.11ac(VHT40)	U-NII 2A	54	52.14	41.34	
		62	48.54	41.10	
802.11ac(VHT80)	U-NII 2A	58	82.56	81.84	

Type	Bands	Channel	26dB Bandwidth (MHz)		Result
			ANT 1	ANT 2	
802.11n (HT20)	U-NII 2C	100	21.72	21.42	Pass
		116	21.75	21.66	
		140	21.72	21.60	
802.11n (HT40)	U-NII 2C	102	42.54	42.78	
		110	43.08	42.96	
		134	42.66	42.36	
802.11ac (VHT20)	U-NII 2C	100	21.66	21.42	
		116	21.69	21.66	
		140	22.08	21.63	
802.11ac (VHT40)	U-NII 2C	102	43.02	42.00	
		110	43.26	41.34	
		134	42.48	41.70	
802.11ac (VHT80)	U-NII 2C	106	83.76	83.52	
		122	84.12	83.76	

ANT 1

U-NII 1 (5.18-5.24GHz)

802.11n(HT20)



802.11n(HT40)



CH36



CH38



CH40



CH46



CH48

802.11ac(VHT20)



802.11ac(VHT40)



CH36



CH38



CH40



CH46



CH48

CH42 802.11ac(VHT80)

U-NII 2A (5.26-5.32GHz)

802.11n(HT20)

U-NII 2A



802.11n(HT40)

U-NII 2A



CH52



CH54



CH60



CH62



CH64

802.11ac(VHT20)

U-NII 2A



802.11ac(VHT40)

U-NII 2A



CH52



CH54



CH60



CH62



CH64

CH58 802.11ac(VHT80)

U-NII 2C (5.50-5.70GHz)

802.11n(HT20)

U-NII 2C



802.11n(HT40)

U-NII 2C



CH100



CH102



CH116



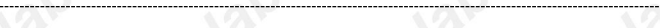
CH110



CH140



CH134



802.11ac(VHT20)

U-NII 2C



802.1ac(VHT40)

U-NII 2C



CH116



CH102



CH120



CH110



CH140

CH134

802.11ac(VHT80)

U-NII 2C



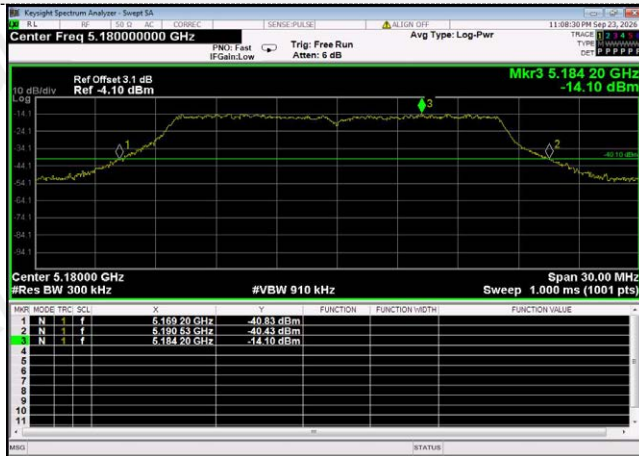
CH106



CH122

ANT 2
U-NII 1 (5.18-5.24GHz)

802.11n(HT20)



802.11n(HT40)



CH36



CH38



CH40



CH46



CH48

802.11ac(VHT20)



802.11ac(VHT40)



CH36



CH38



CH40



CH46



CH48

CH42 802.11ac(VHT80)

U-NII 2A (5.26-5.32GHz)

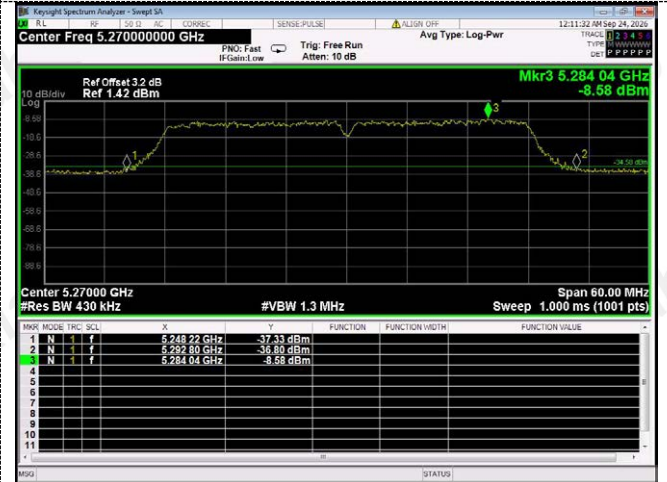
802.11n(HT20)

U-NII 2A



802.11n(HT40)

U-NII 2A



CH52



CH54



CH60



CH62



CH64

802.11ac(VHT20)

U-NII 2A

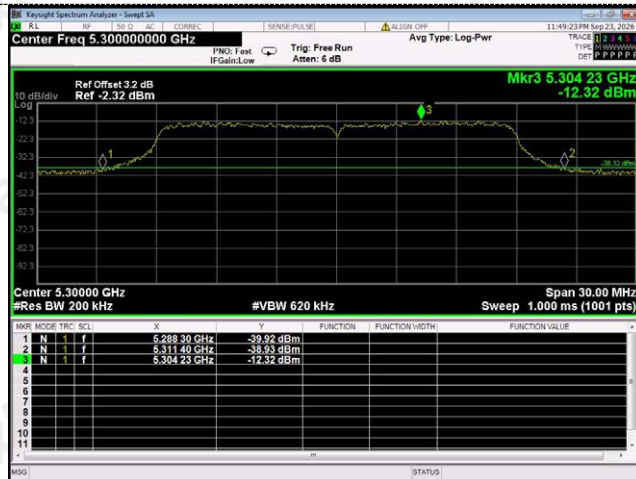


802.11ac(VHT40)

U-NII 2A



CH52



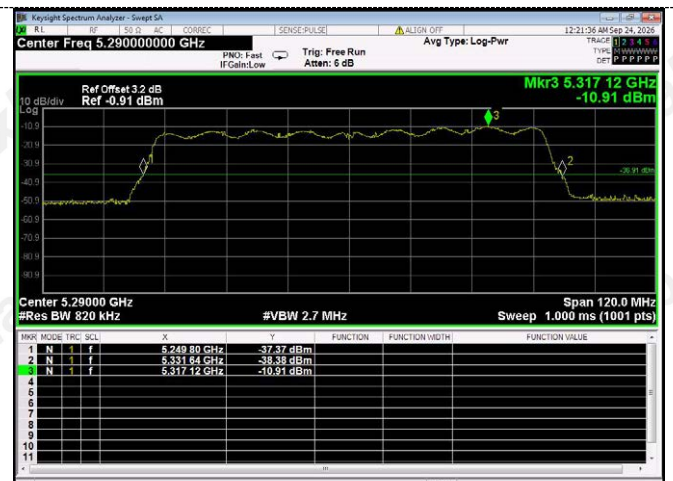
CH54



CH60



CH62



CH64

CH58 802.11ac(VHT80)

U-NII 2C (5.50-5.70GHz)

802.11n(HT20)

U-NII 2C



802.11n(HT40)

U-NII 2C



CH100

CH102



CH116

CH110



CH140

CH134

802.11ac(VHT20)

U-NII 2C

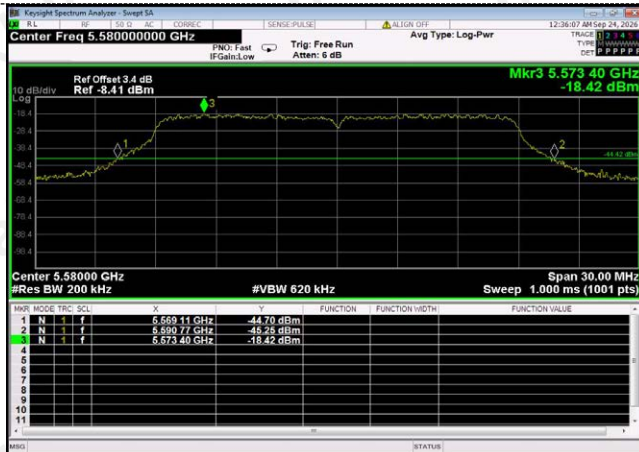


802.1ac(VHT40)

U-NII 2C



CH116



CH102



CH120



CH110



CH140

CH134

802.11ac(VHT80)

U-NII 2C



CH106



CH122