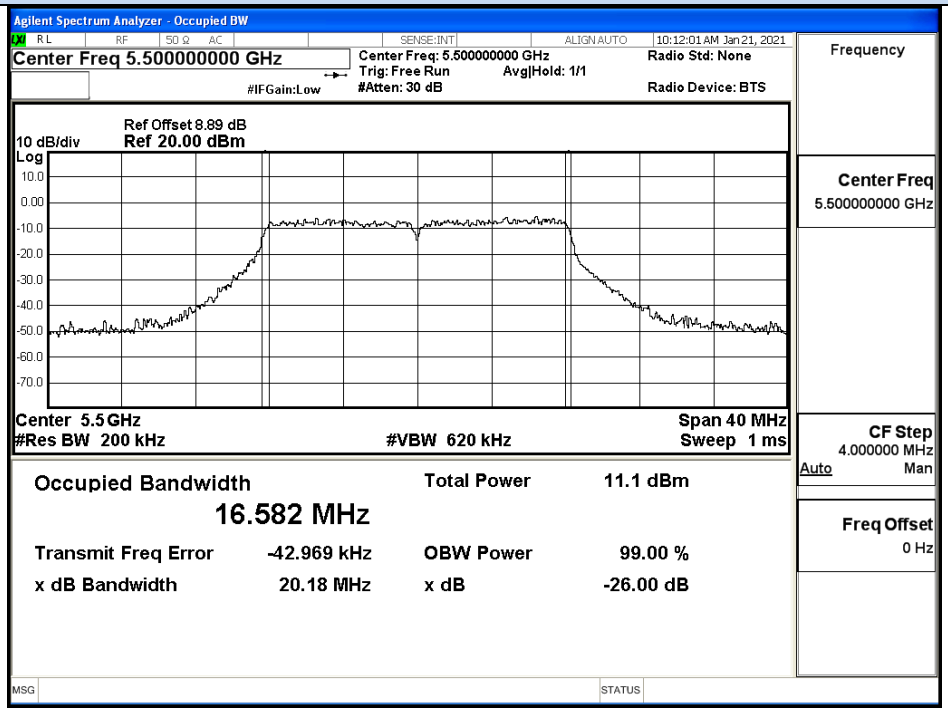
ANT 1

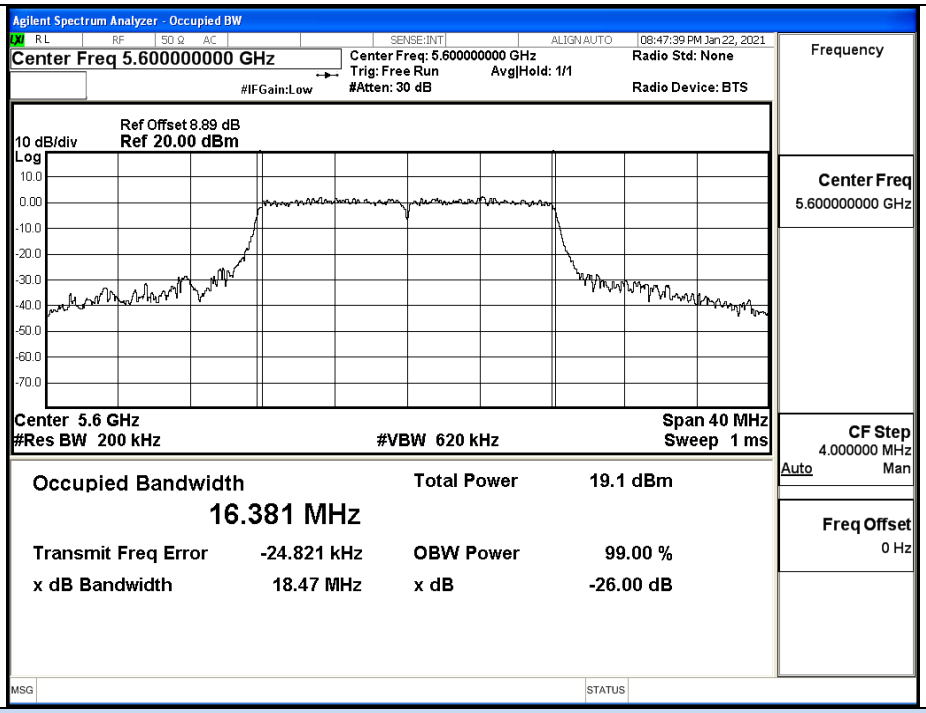
Test Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
11A	100	5500	20.18	17.551	No Limit	Pass
	120	5600	18.47	16.370		Pass
	140	5700	18.46	16.375		Pass
11N20 SISO	100	5500	19.37	17.511	No Limit	Pass
	120	5600	19.51	17.543		Pass
	140	5700	19.36	17.547		Pass
11N40 SISO	102	5510	41.15	36.001	No Limit	Pass
	118	5590	41.04	36.007		Pass
	134	5670	40.60	36.028		Pass
11AC20 SISO	100	5500	18.37	17.543	No Limit	Pass
	120	5600	18.43	17.544		Pass
	140	5700	18.52	17.544		Pass
11AC40 SISO	102	5510	40.87	36.011	No Limit	Pass
	118	5590	40.84	36.001		Pass
	134	5670	40.80	36.001		Pass
11AC80 SISO	106	5530	80.68	74.623	No Limit	Pass
	122	5610	80.55	74.632		Pass

Note: The frequency 5590&5610MHz data is only applicable to FCC, not applicable to ISED.

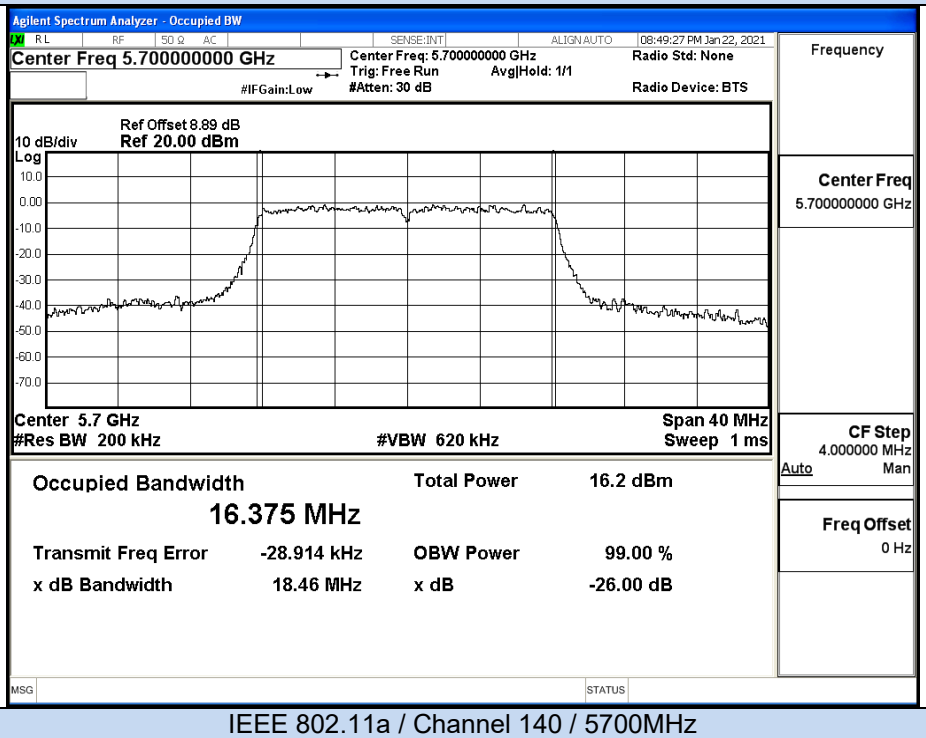
26dB Bandwidth



IEEE 802.11a / Channel 100 / 5500MHz

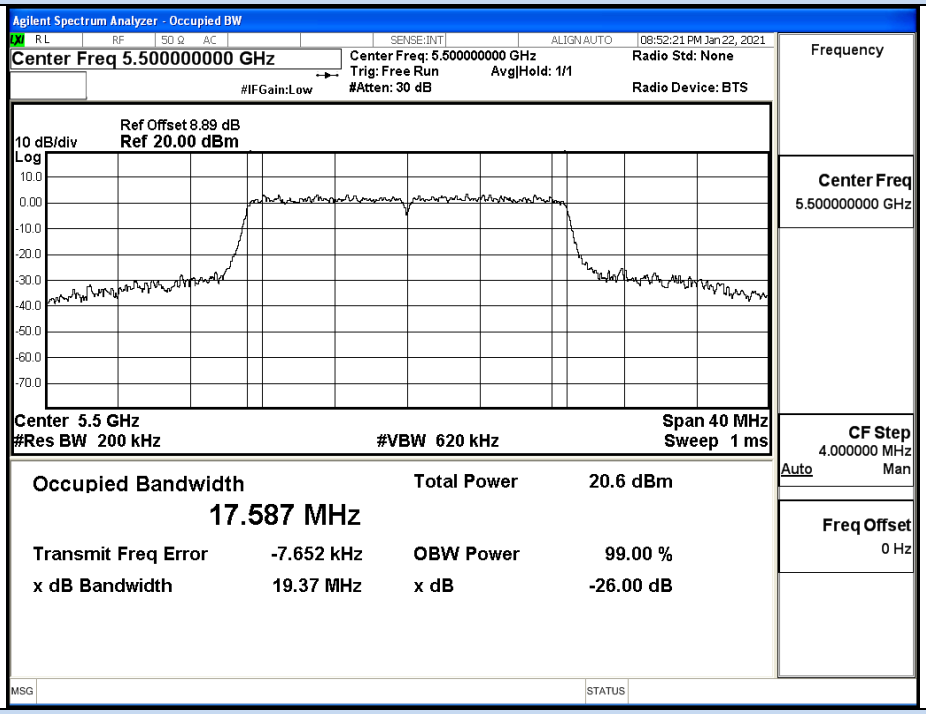


IEEE 802.11a / Channel 120 / 5600MHz

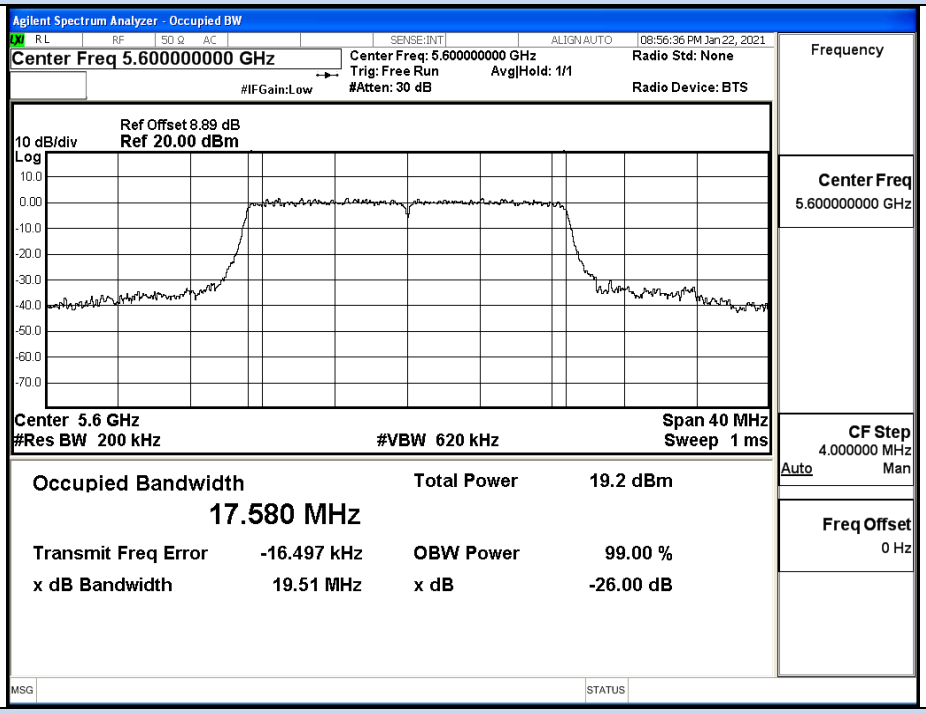


IEEE 802.11a / Channel 140 / 5700MHz

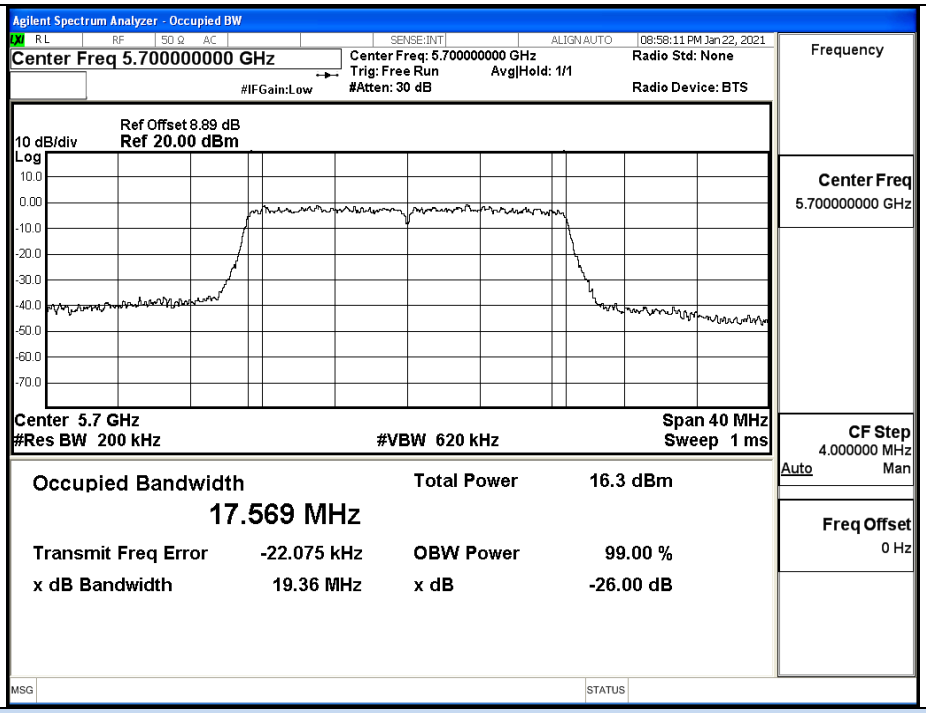
26dB Bandwidth



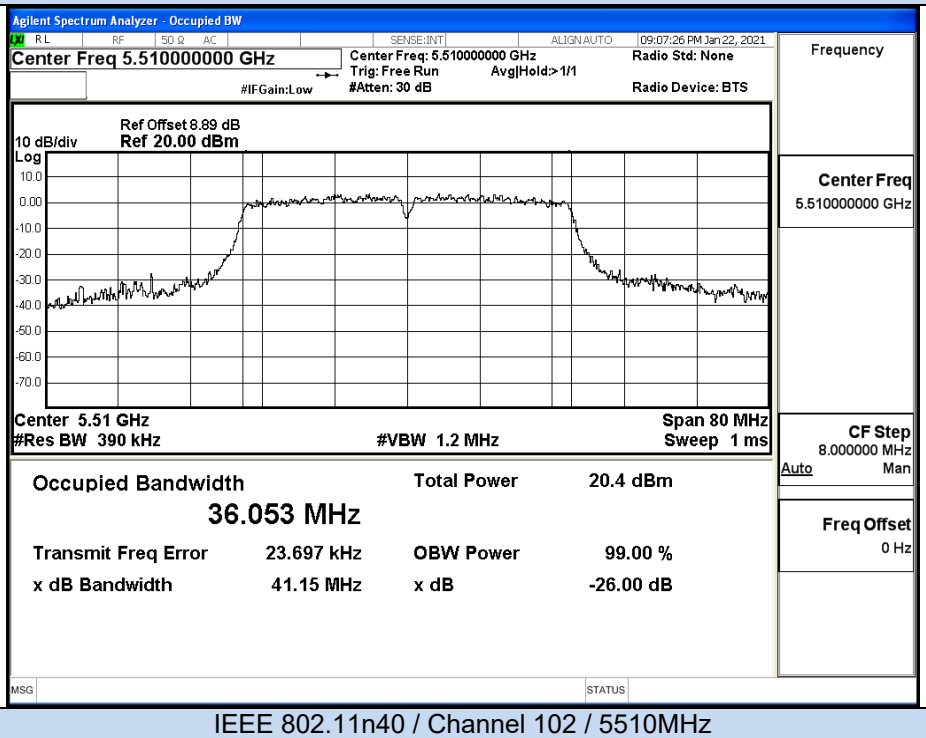
IEEE 802.11n20 / Channel 100 / 5500MHz



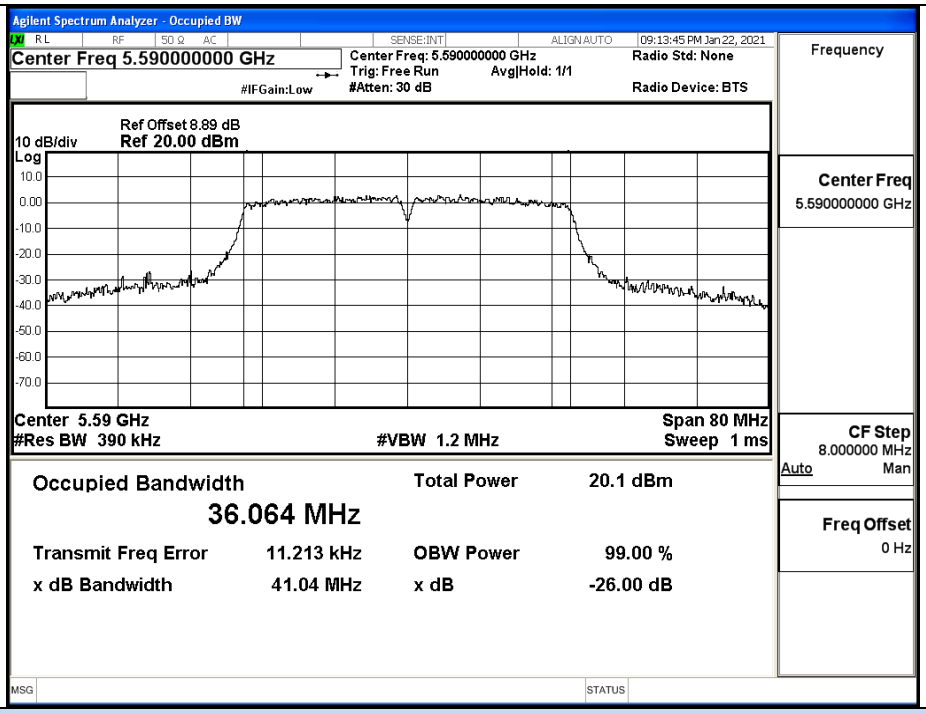
IEEE 802.11n20 / Channel 120 / 5600MHz



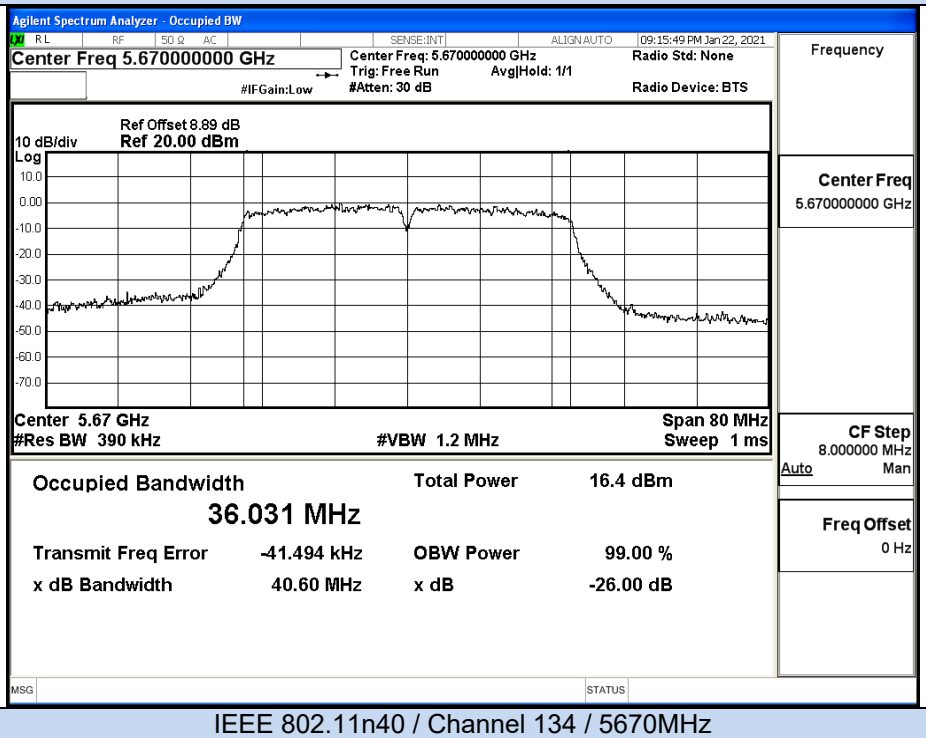
IEEE 802.11n20 / Channel 140 / 5700MHz



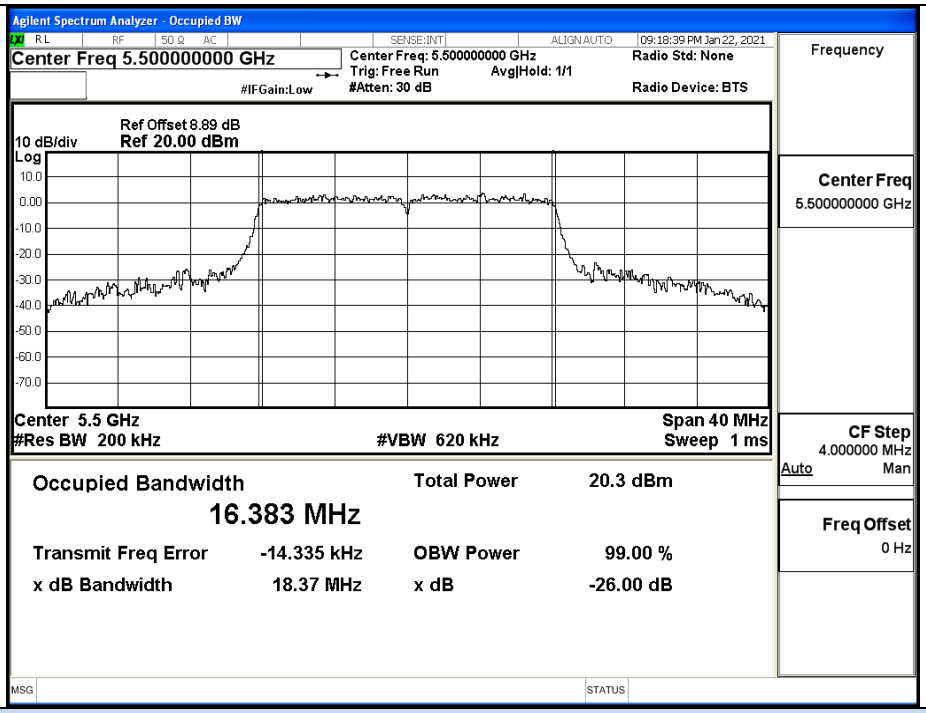
IEEE 802.11n40 / Channel 102 / 5510MHz



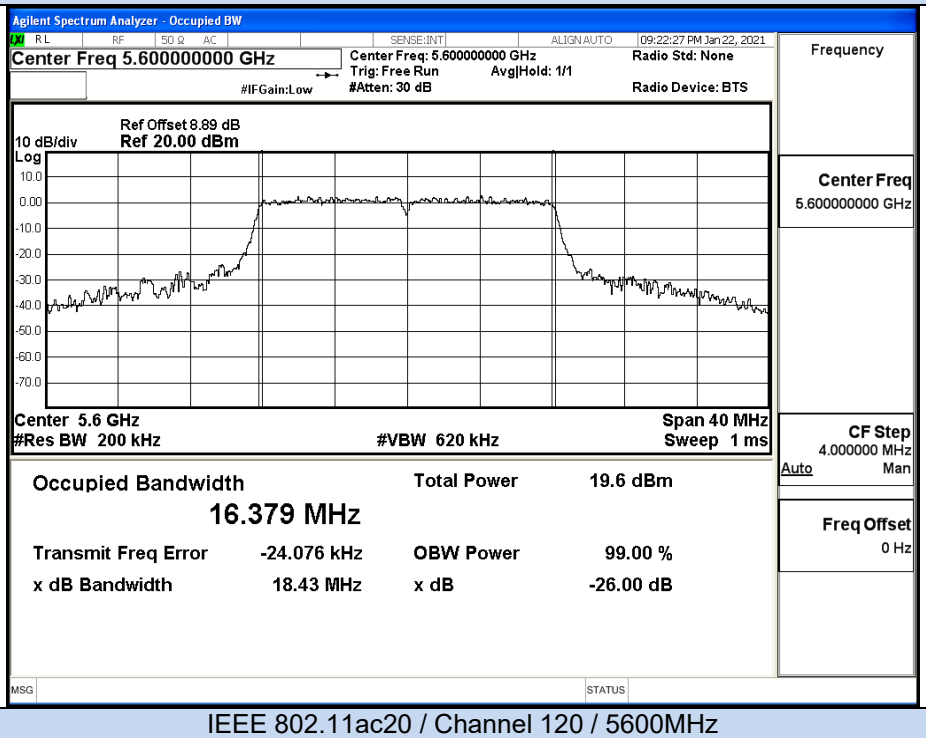
IEEE 802.11n40 / Channel 118 / 5590MHz



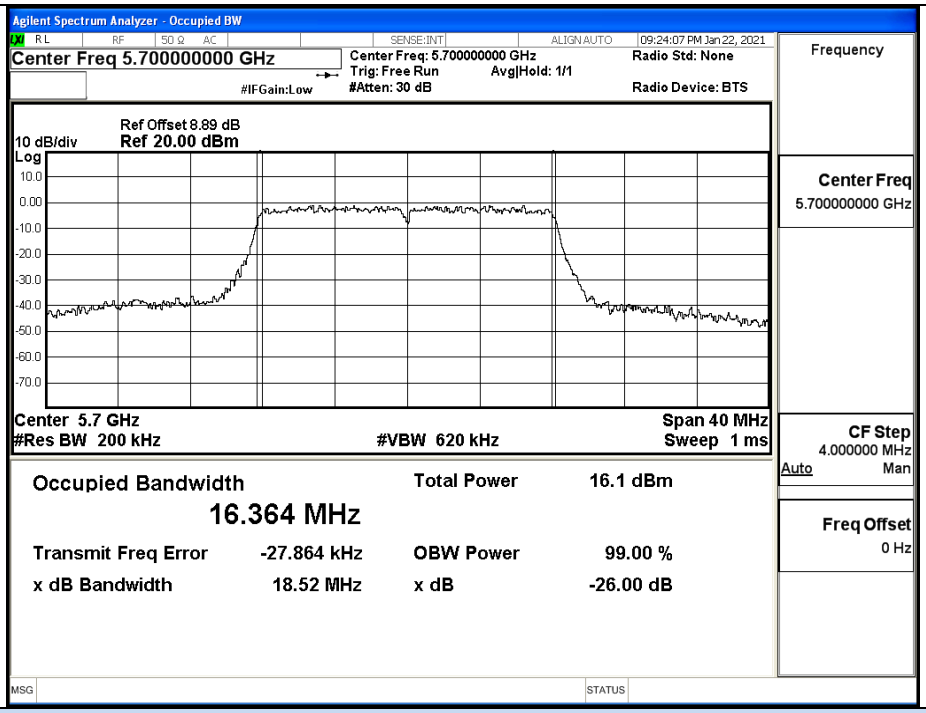
IEEE 802.11n40 / Channel 134 / 5670MHz



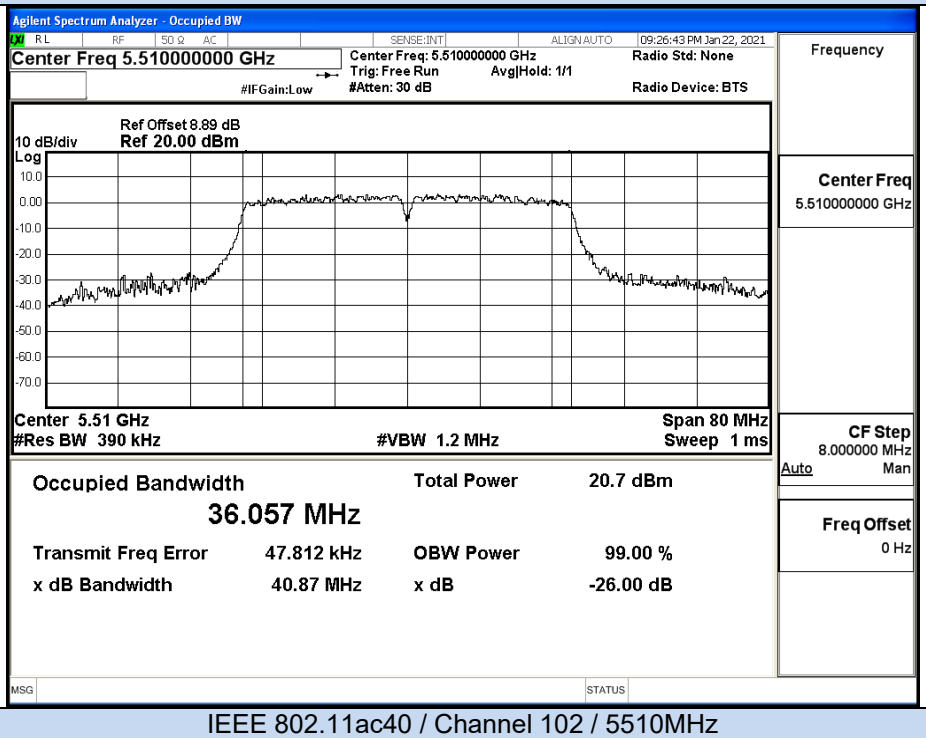
IEEE 802.11ac20 / Channel 100 / 5500MHz



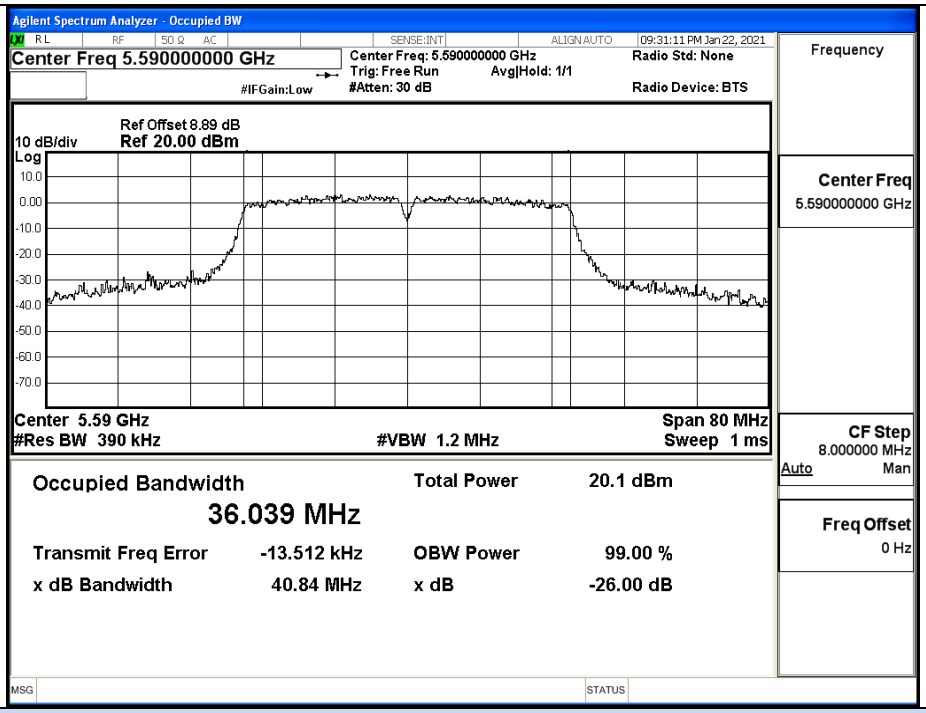
IEEE 802.11ac20 / Channel 120 / 5600MHz



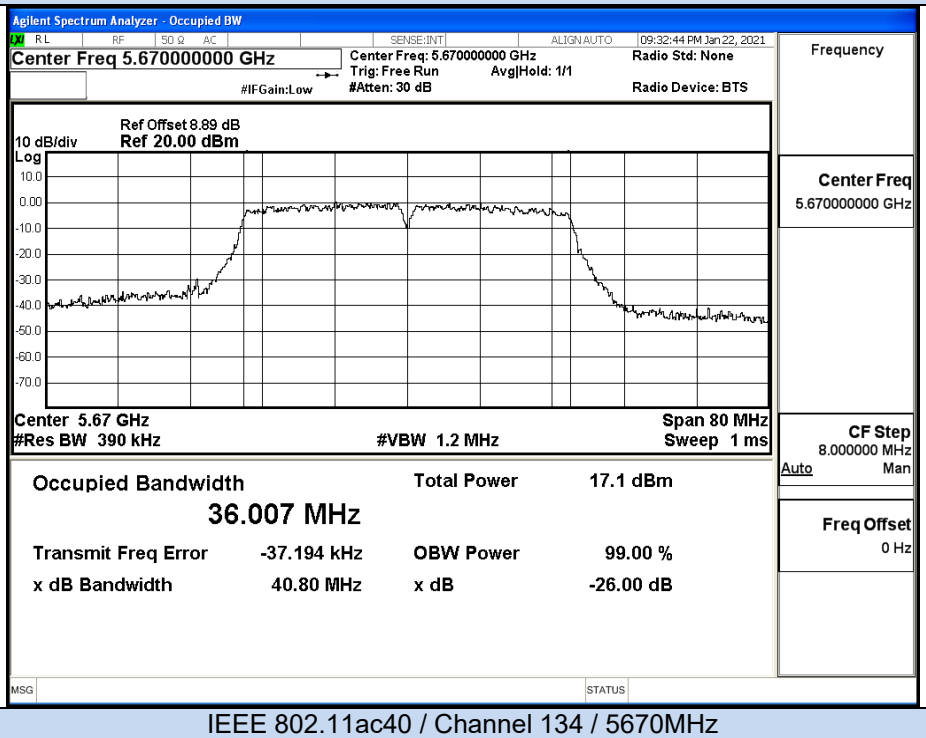
IEEE 802.11ac20 / Channel 140 / 5700MHz



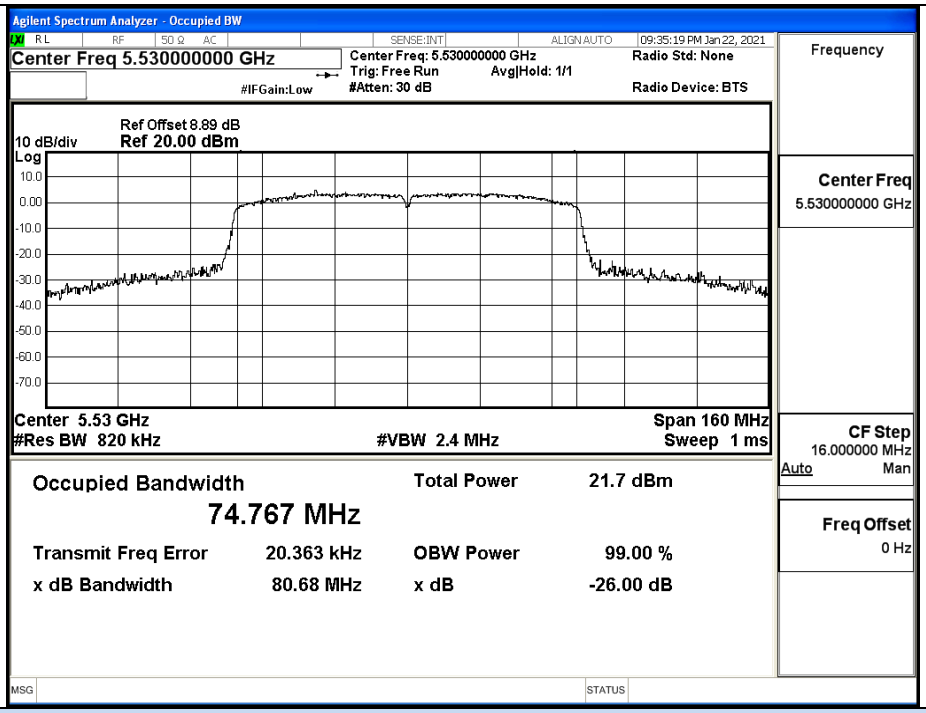
IEEE 802.11ac40 / Channel 102 / 5510MHz



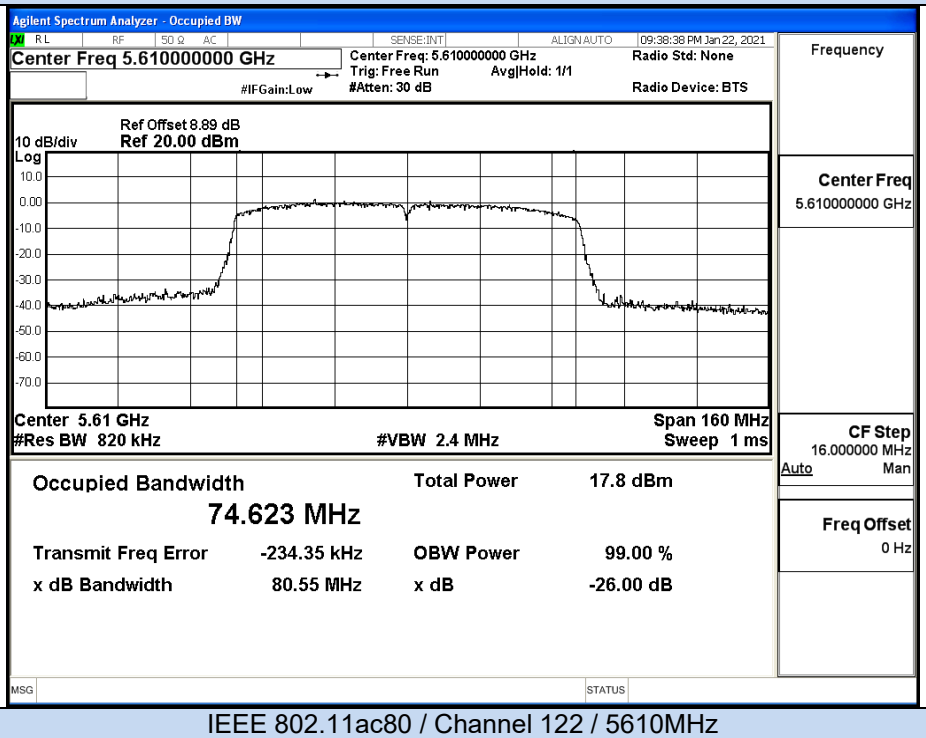
IEEE 802.11ac40 / Channel 118 / 5590MHz



IEEE 802.11ac40 / Channel 134 / 5670MHz

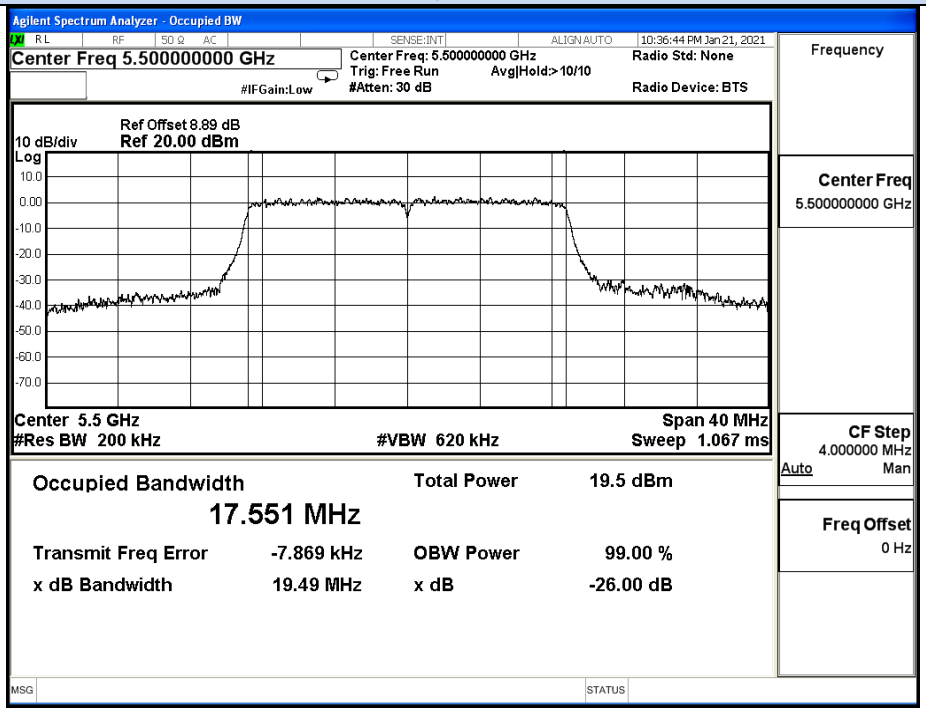


IEEE 802.11ac80 / Channel 106 / 5530MHz

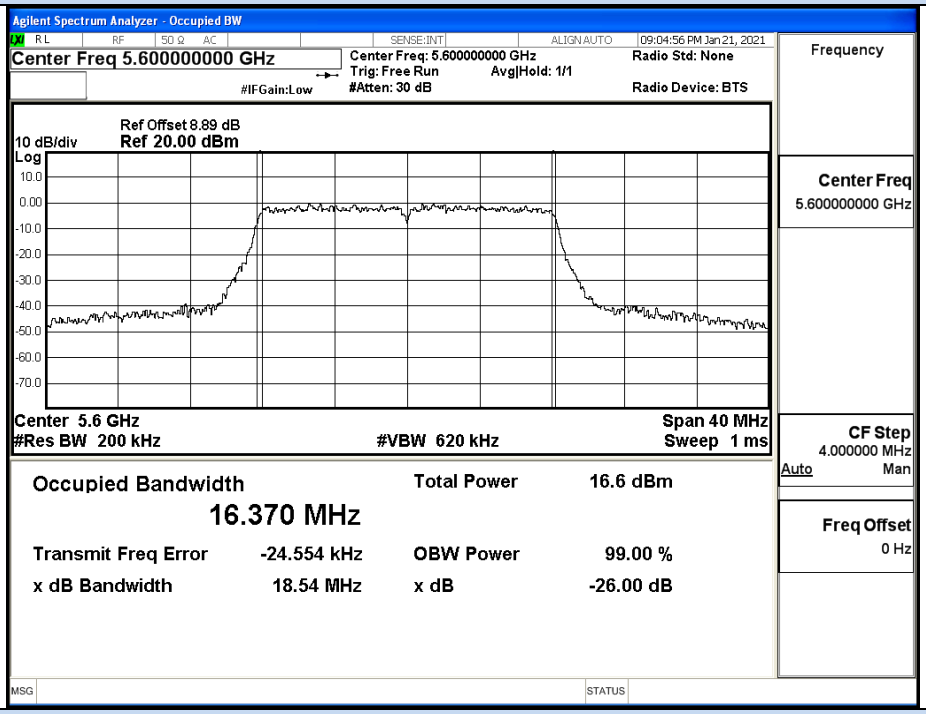


IEEE 802.11ac80 / Channel 122 / 5610MHz

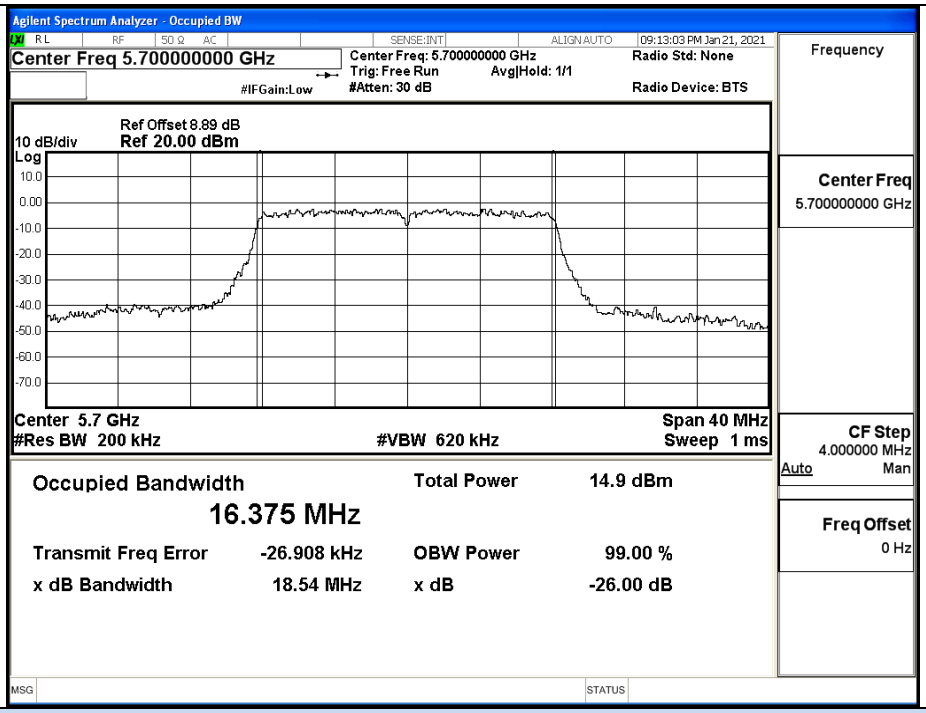
99% Occupied Bandwidth



IEEE 802.11a / Channel 100 / 5500MHz

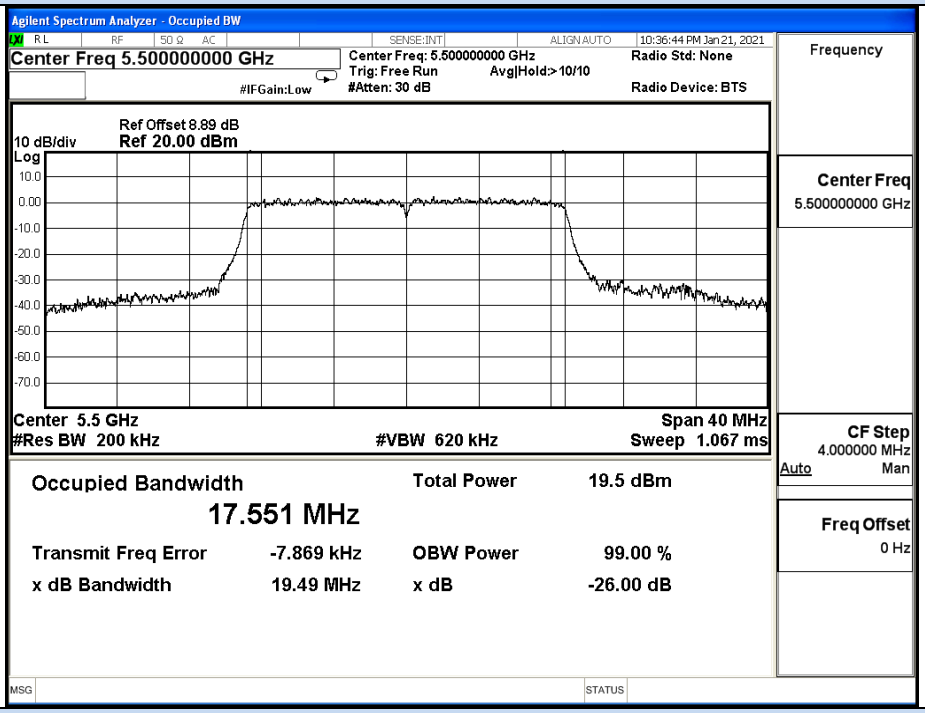


IEEE 802.11a / Channel 120 / 5600MHz

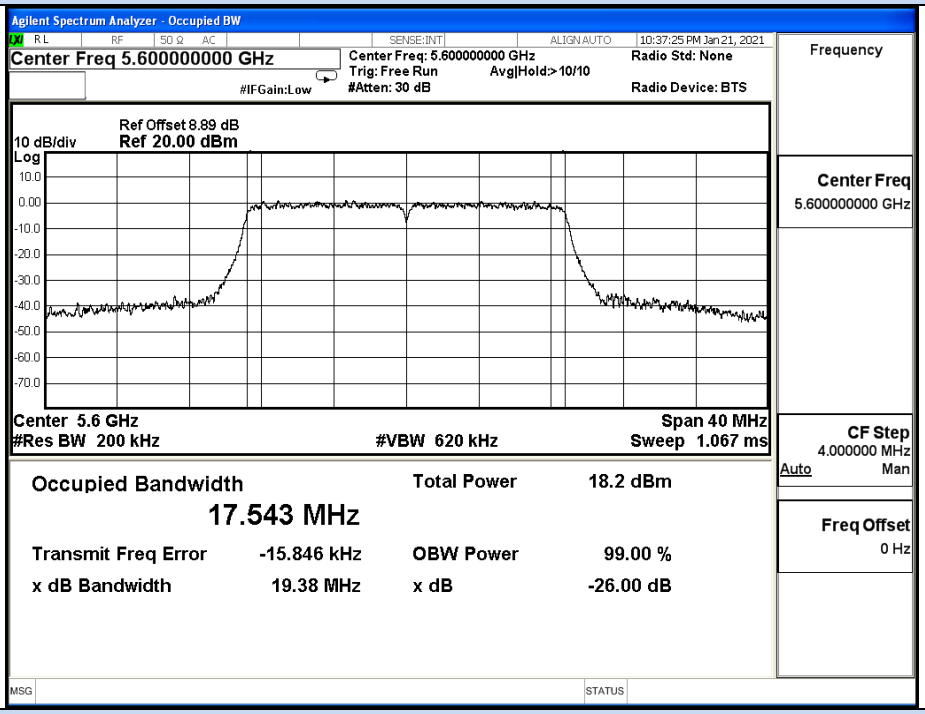


IEEE 802.11a / Channel 140 / 5700MHz

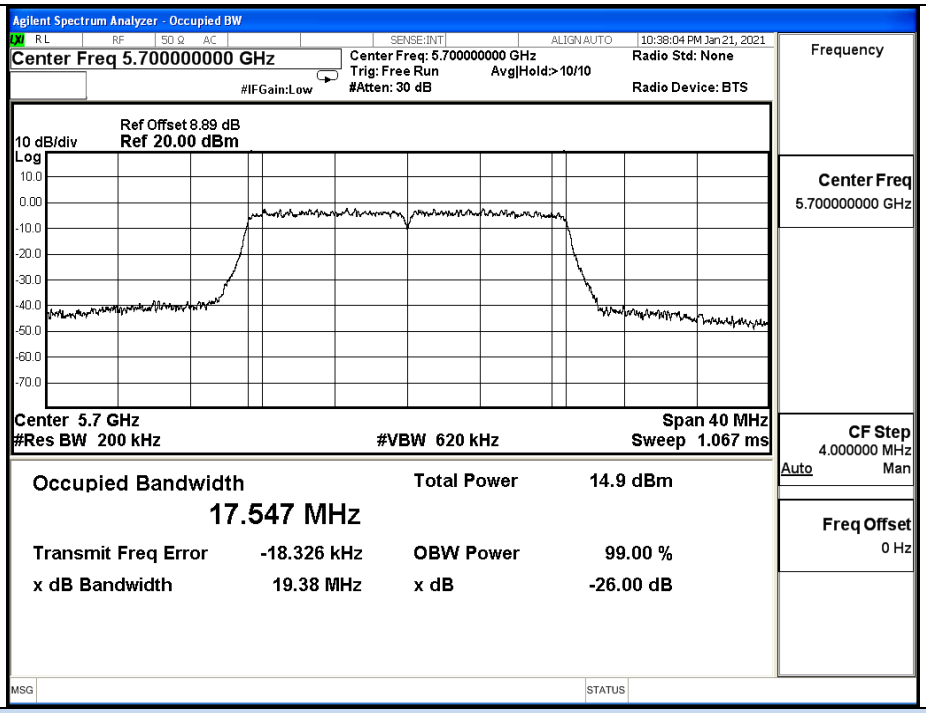
99% Occupied Bandwidth



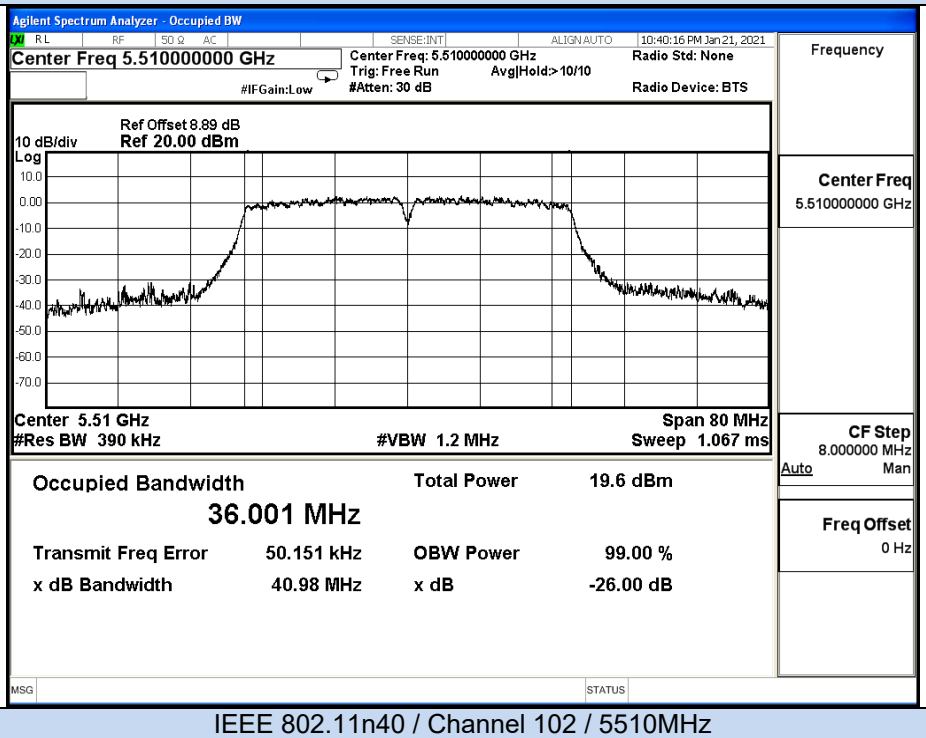
IEEE 802.11n20 / Channel 100 / 5500MHz



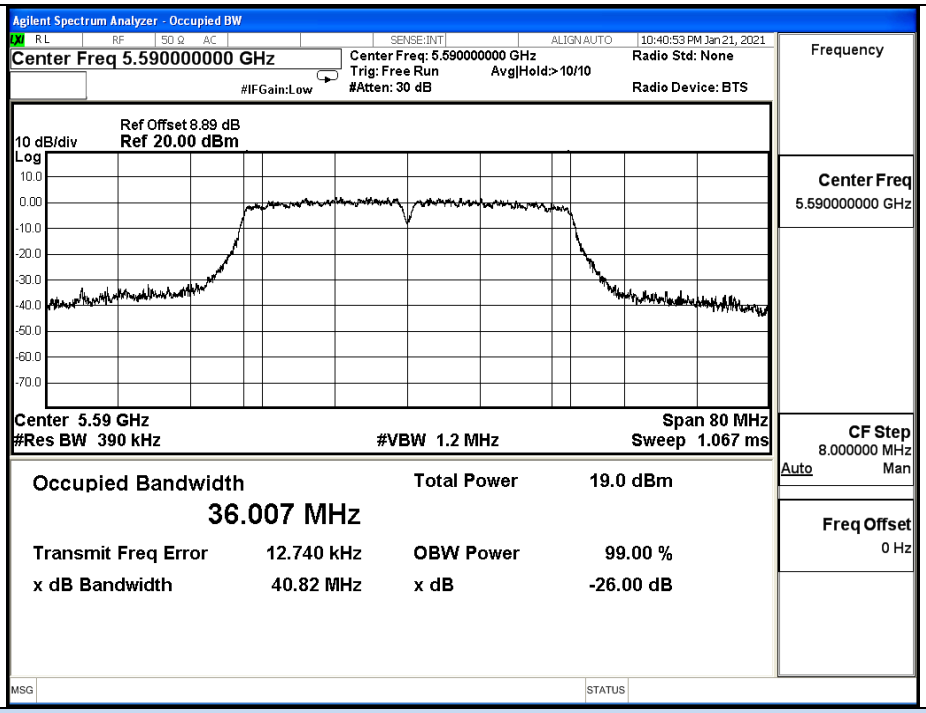
IEEE 802.11n20 / Channel 120 / 5600MHz



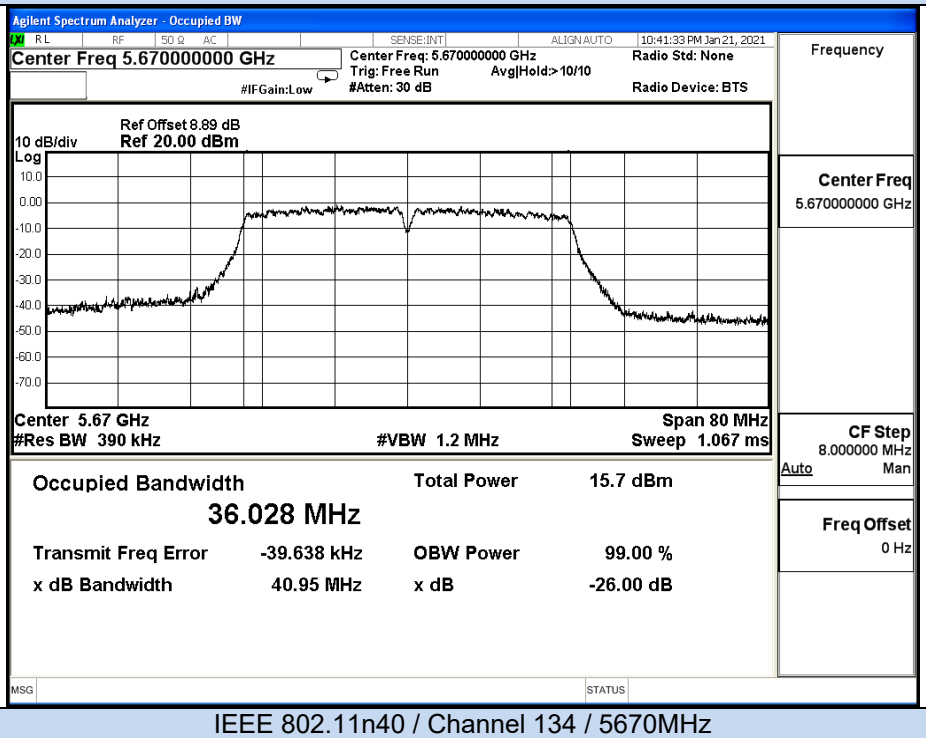
IEEE 802.11n20 / Channel 140 / 5700MHz



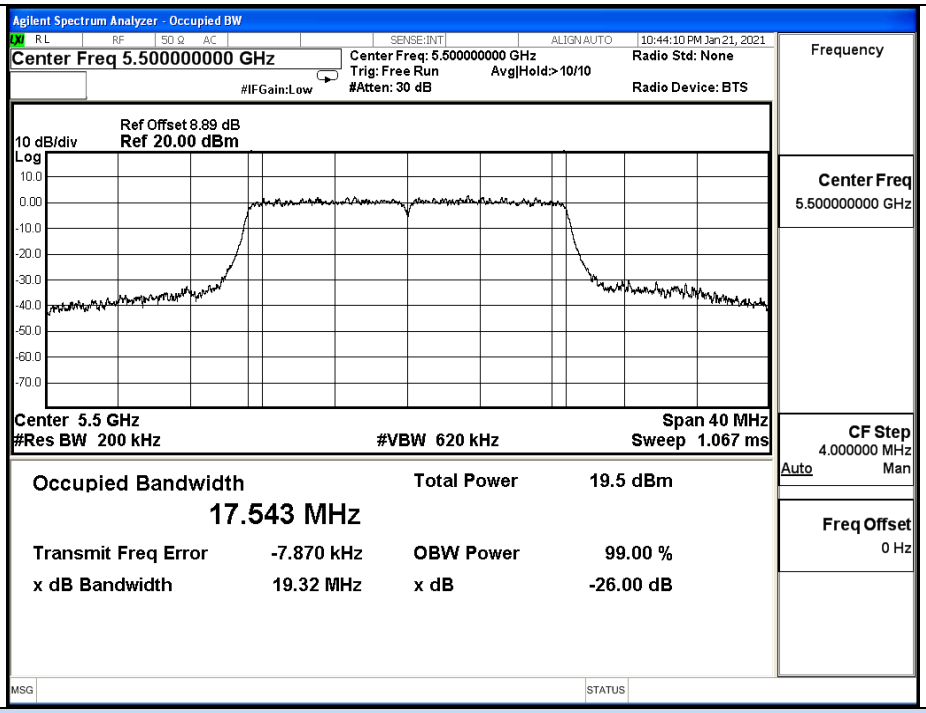
IEEE 802.11n40 / Channel 102 / 5510MHz



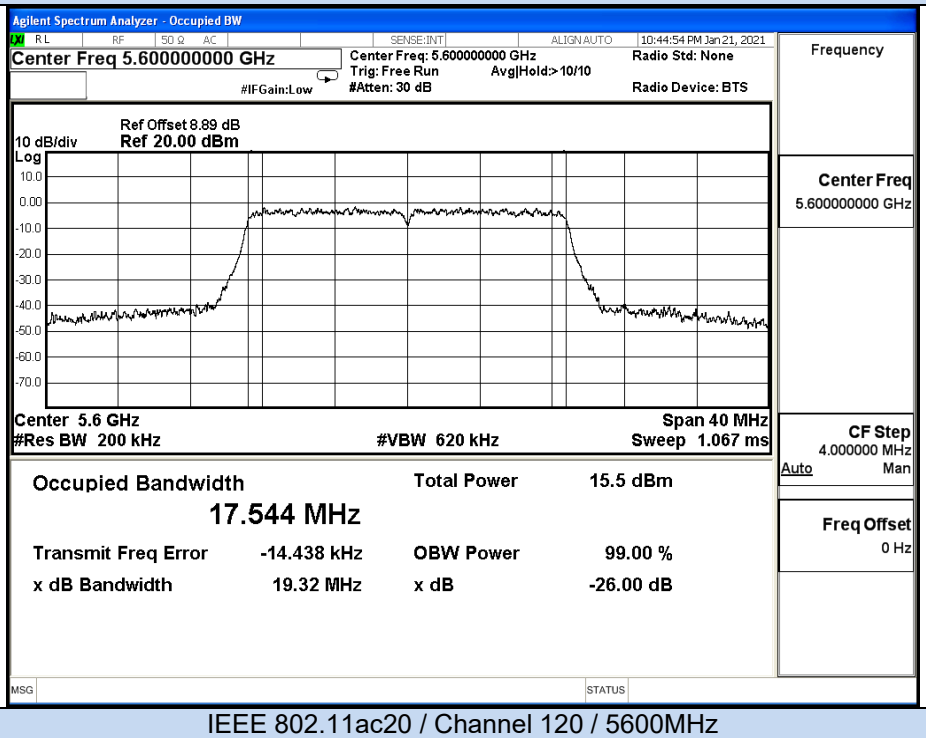
IEEE 802.11n40 / Channel 118 / 5590MHz



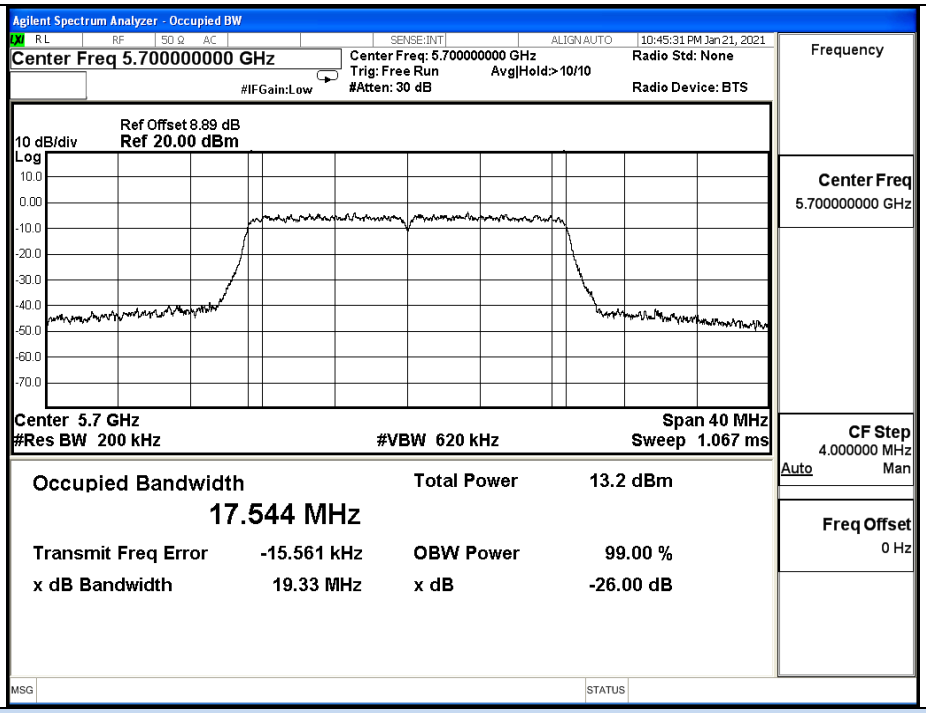
IEEE 802.11n40 / Channel 134 / 5670MHz



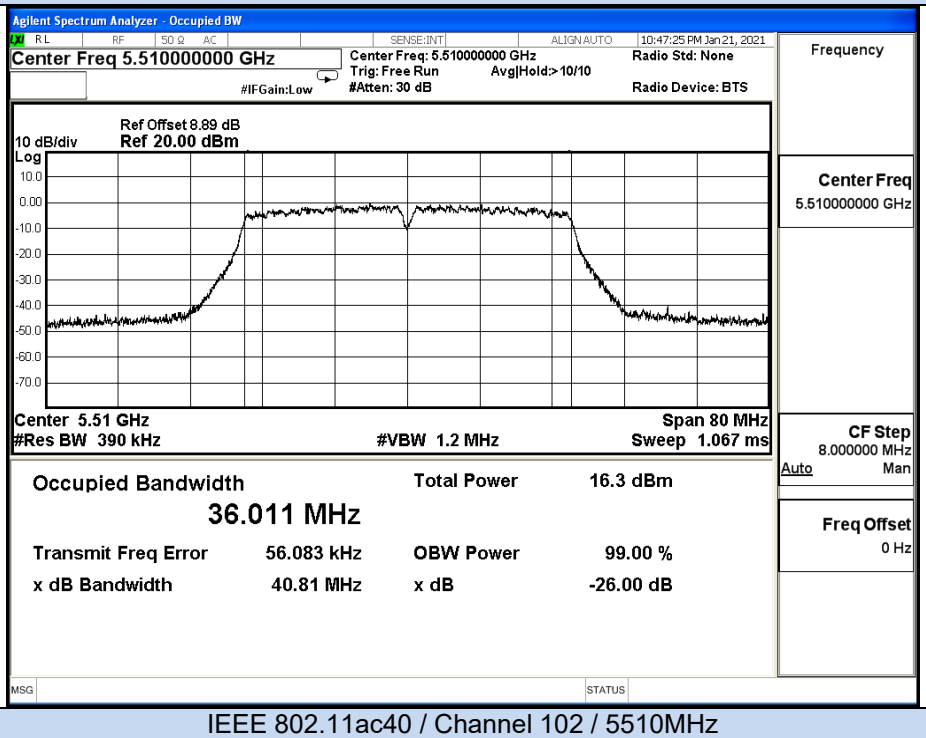
IEEE 802.11ac20 / Channel 100 / 5500MHz



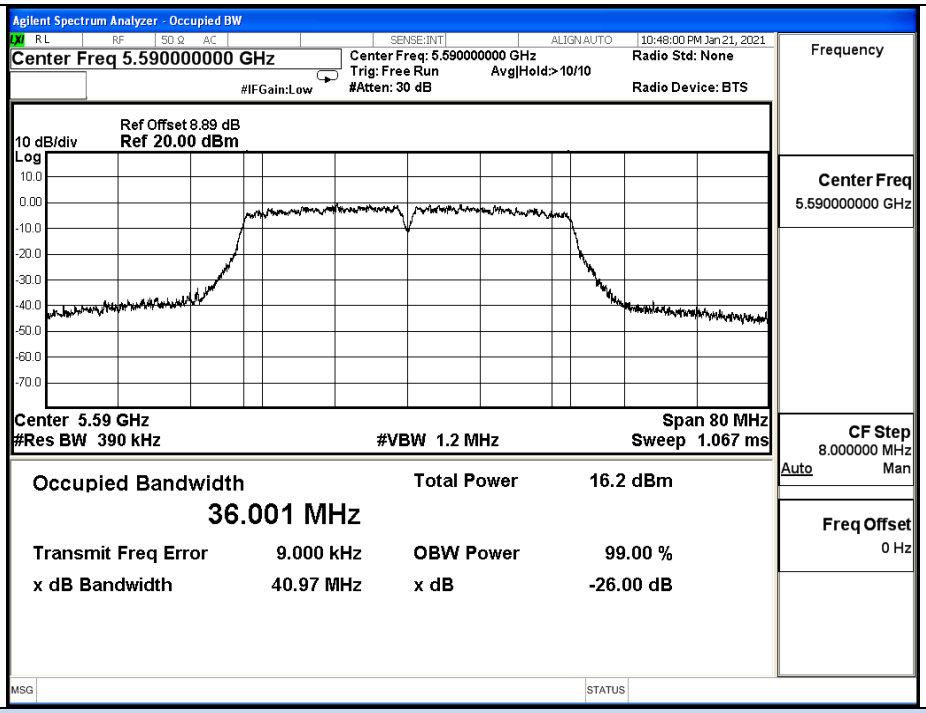
IEEE 802.11ac20 / Channel 120 / 5600MHz



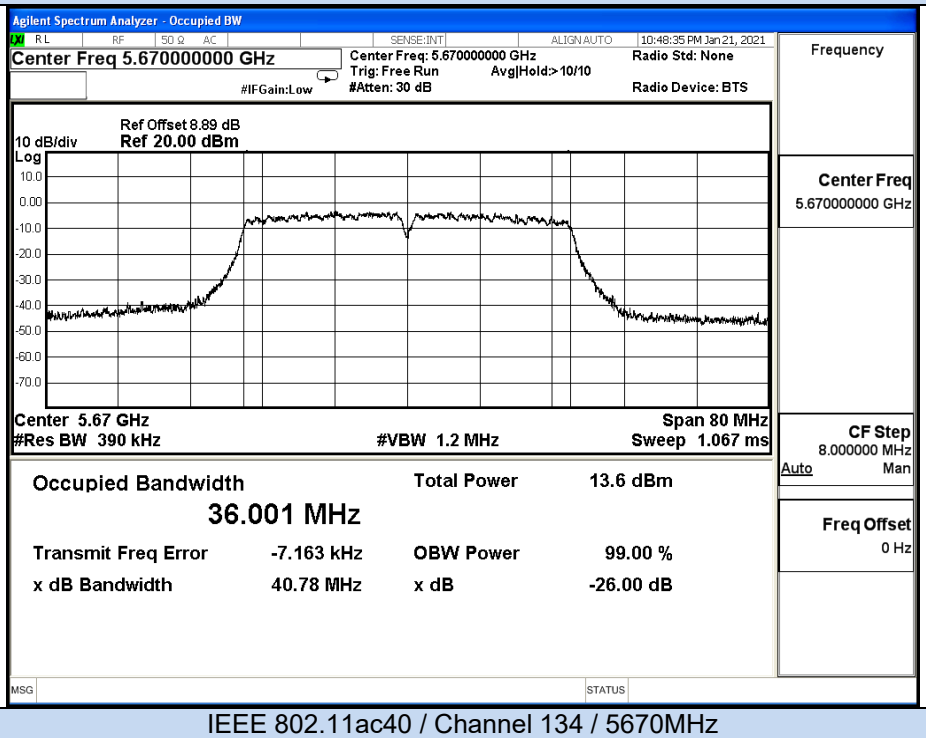
IEEE 802.11ac20 / Channel 140 / 5700MHz



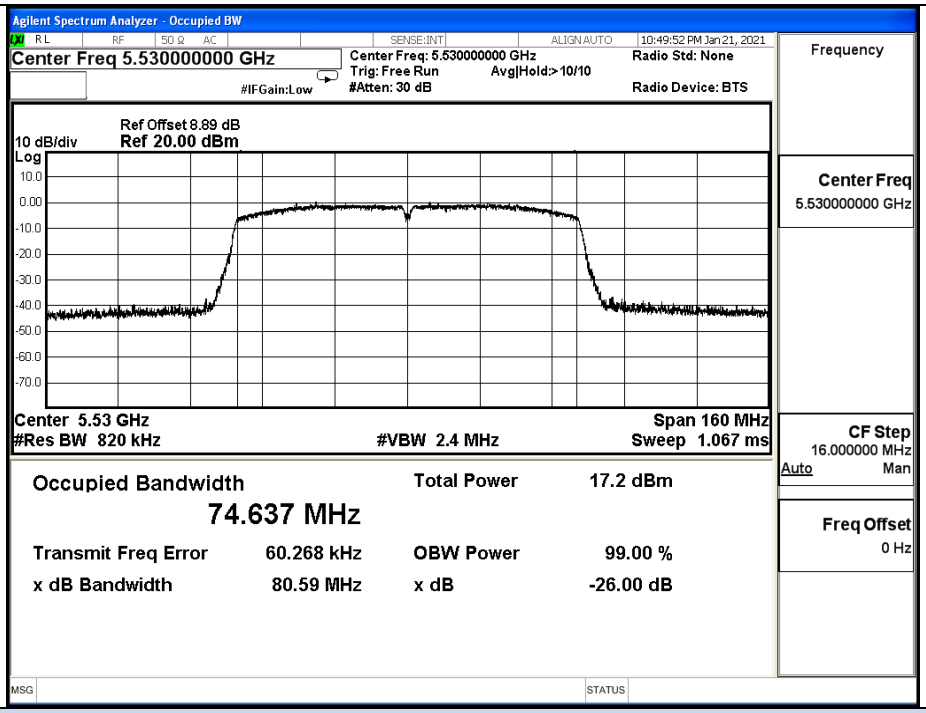
IEEE 802.11ac40 / Channel 102 / 5510MHz



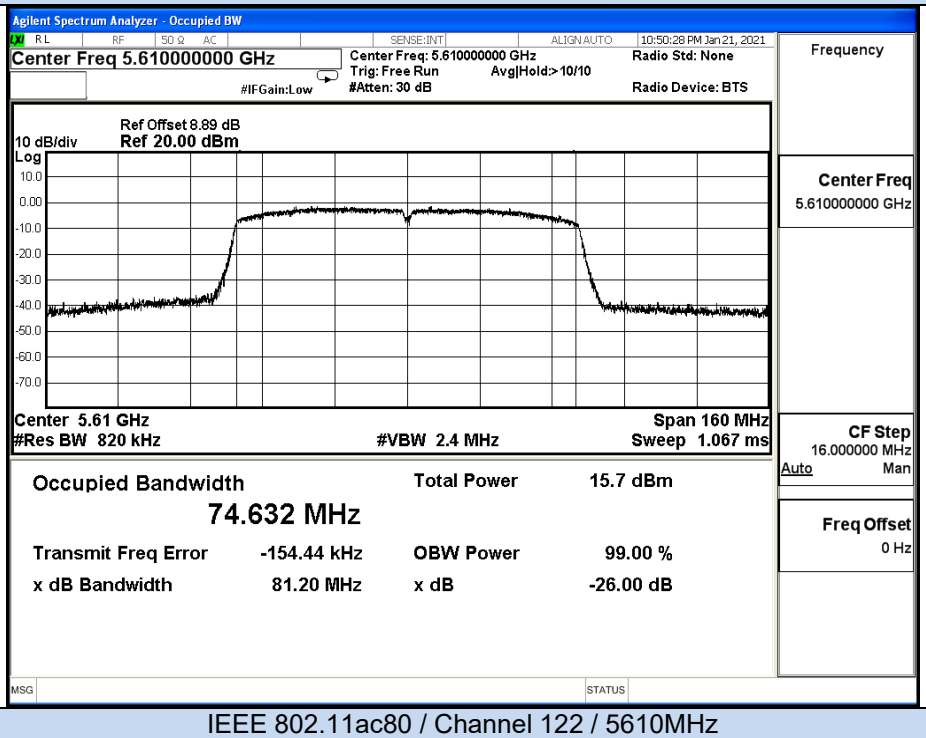
IEEE 802.11ac40 / Channel 118 / 5590MHz



IEEE 802.11ac40 / Channel 134 / 5670MHz



IEEE 802.11ac80 / Channel 106 / 5530MHz



IEEE 802.11ac80 / Channel 122 / 5610MHz

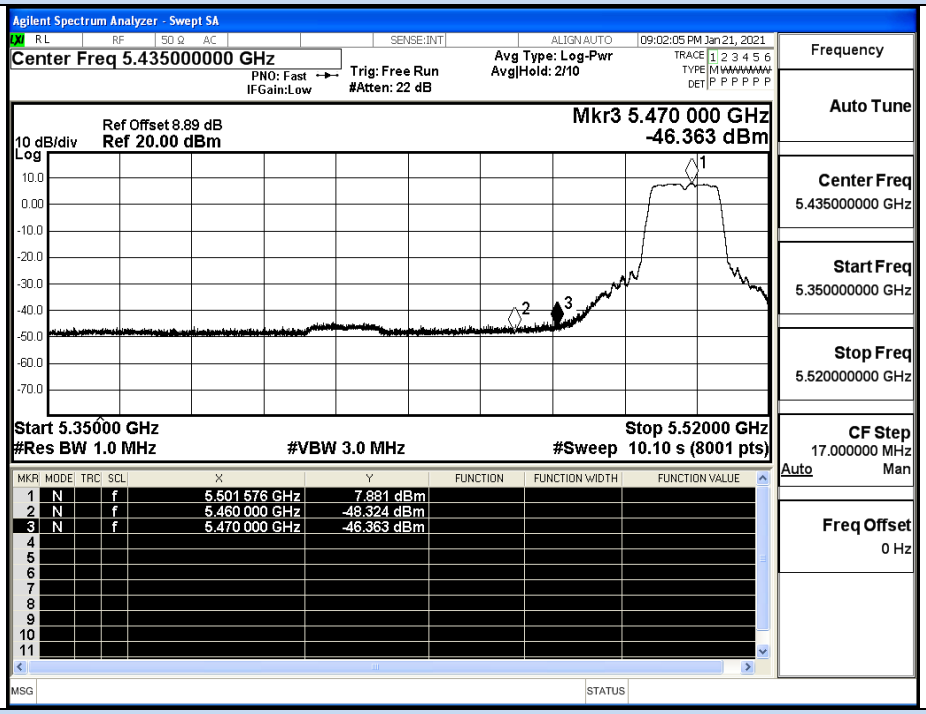
B.5 Undesirable Emissions Measurement

ANT0:

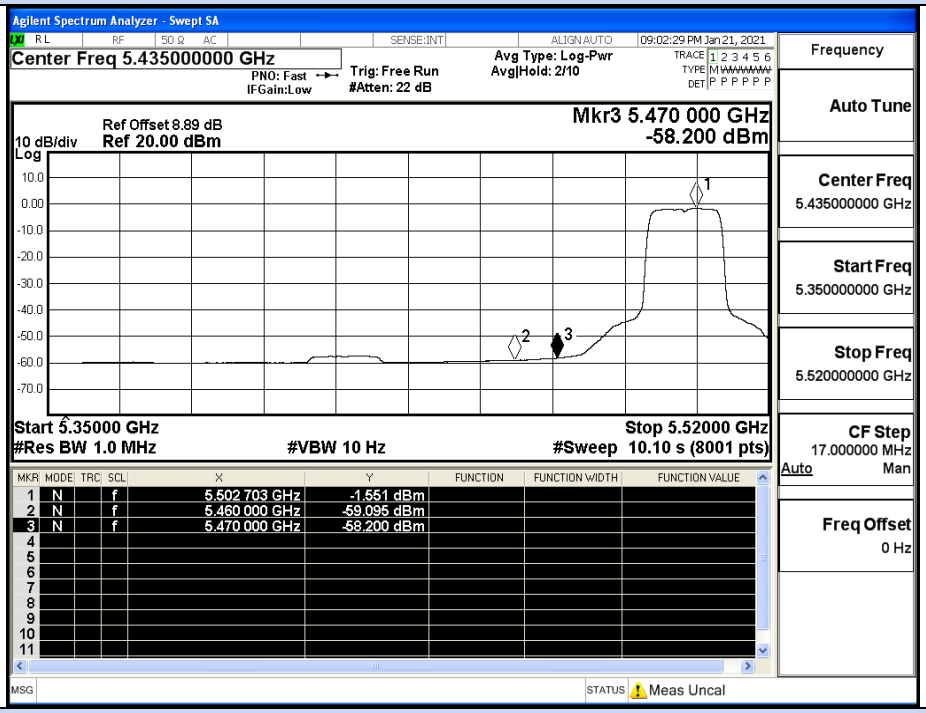
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11A	100	5460.0	-48.32	3.00	0	49.91	Peak	68.20	Pass
		5460.0	-59.10	3.00	0	39.13	Average	54.00	Pass
		5470.0	-46.36	3.00	0	51.87	Peak	68.20	Pass
		5470.0	-58.20	3.00	0	40.03	Average	54.00	Pass
	140	5725.0	-45.78	3.00	0	52.45	Peak	68.20	Pass
		5725.0	-57.29	3.00	0	40.94	Average	54.00	Pass
		5735.0	-47.10	3.00	0	51.13	Peak	68.20	Pass
		5735.0	-58.13	3.00	0	40.10	Average	54.00	Pass
11N20 SISO	100	5460.0	-46.78	3.00	0	51.45	Peak	68.20	Pass
		5460.0	-58.20	3.00	0	40.03	Average	54.00	Pass
		5470.0	-42.19	3.00	0	56.04	Peak	68.20	Pass
		5470.0	-57.00	3.00	0	41.23	Average	54.00	Pass
	140	5725.0	-46.47	3.00	0	51.76	Peak	68.20	Pass
		5725.0	-57.02	3.00	0	41.21	Average	54.00	Pass
		5735.0	-47.08	3.00	0	51.15	Peak	68.20	Pass
		5735.0	-58.01	3.00	0	40.22	Average	54.00	Pass
11N40 SISO	102	5460.0	-44.70	3.00	0	53.53	Peak	68.20	Pass
		5460.0	-56.68	3.00	0	41.55	Average	54.00	Pass
		5470.0	-39.30	3.00	0	58.93	Peak	68.20	Pass
		5470.0	-55.11	3.00	0	43.12	Average	54.00	Pass
	134	5725.0	-48.08	3.00	0	50.15	Peak	68.20	Pass
		5725.0	-57.08	3.00	0	41.15	Average	54.00	Pass
		5735.0	-47.70	3.00	0	50.53	Peak	68.20	Pass
		5735.0	-57.20	3.00	0	41.03	Average	54.00	Pass
11AC20 SISO	100	5460.0	-46.83	3.00	0	51.40	Peak	68.20	Pass
		5460.0	-58.13	3.00	0	40.10	Average	54.00	Pass
		5470.0	-42.62	3.00	0	55.61	Peak	68.20	Pass
		5470.0	-56.51	3.00	0	41.72	Average	54.00	Pass
	140	5725.0	-45.33	3.00	0	52.90	Peak	68.20	Pass
		5725.0	-57.07	3.00	0	41.16	Average	54.00	Pass
		5735.0	-47.90	3.00	0	50.33	Peak	68.20	Pass
		5735.0	-58.02	3.00	0	40.21	Average	54.00	Pass
11AC40 SISO	102	5460.0	-44.56	3.00	0	53.67	Peak	68.20	Pass
		5460.0	-56.47	3.00	0	41.76	Average	54.00	Pass
		5470.0	-39.18	3.00	0	59.05	Peak	68.20	Pass
		5470.0	-54.73	3.00	0	43.50	Average	54.00	Pass
	134	5725.0	-47.13	3.00	0	51.10	Peak	68.20	Pass
		5725.0	-57.06	3.00	0	41.17	Average	54.00	Pass
		5735.0	-47.43	3.00	0	50.80	Peak	68.20	Pass
		5735.0	-57.22	3.00	0	41.01	Average	54.00	Pass
11AC80 SISO	106	5460.0	-35.32	3.00	0	62.91	Peak	68.20	Pass
		5460.0	-50.86	3.00	0	47.37	Average	54.00	Pass
		5470.0	-32.52	3.00	0	65.71	Peak	68.20	Pass
		5470.0	-49.23	3.00	0	49.00	Average	54.00	Pass

Note: The frequency 5590&5610MHz data is only applicable to FCC, not applicable to ISED.

Undesirable Emissions Measurement

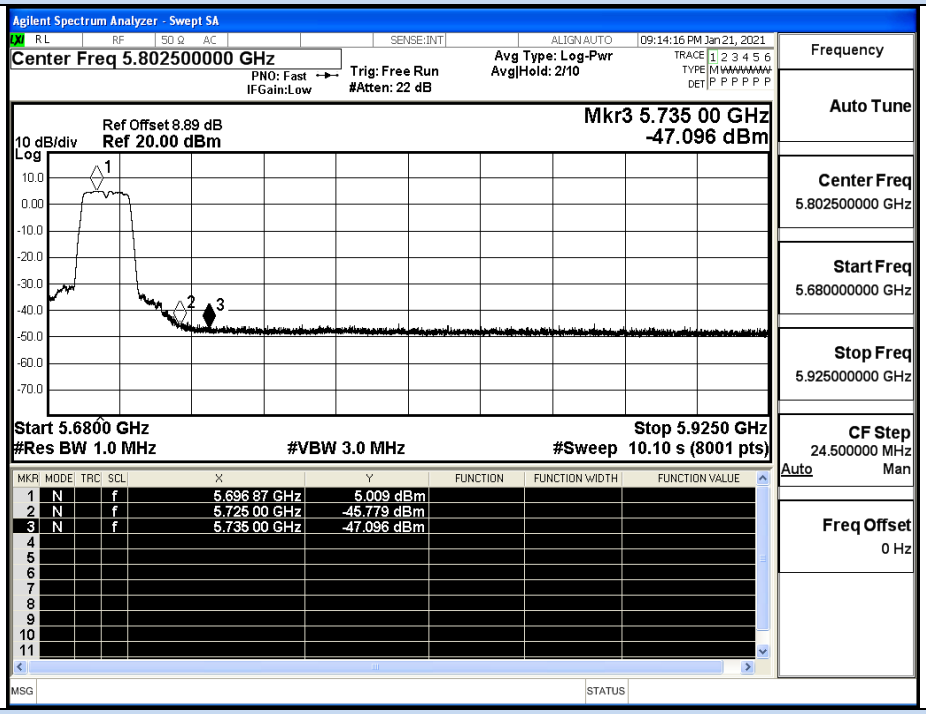


IEEE 802.11a / Channel 100 / 5500MHz / Peak

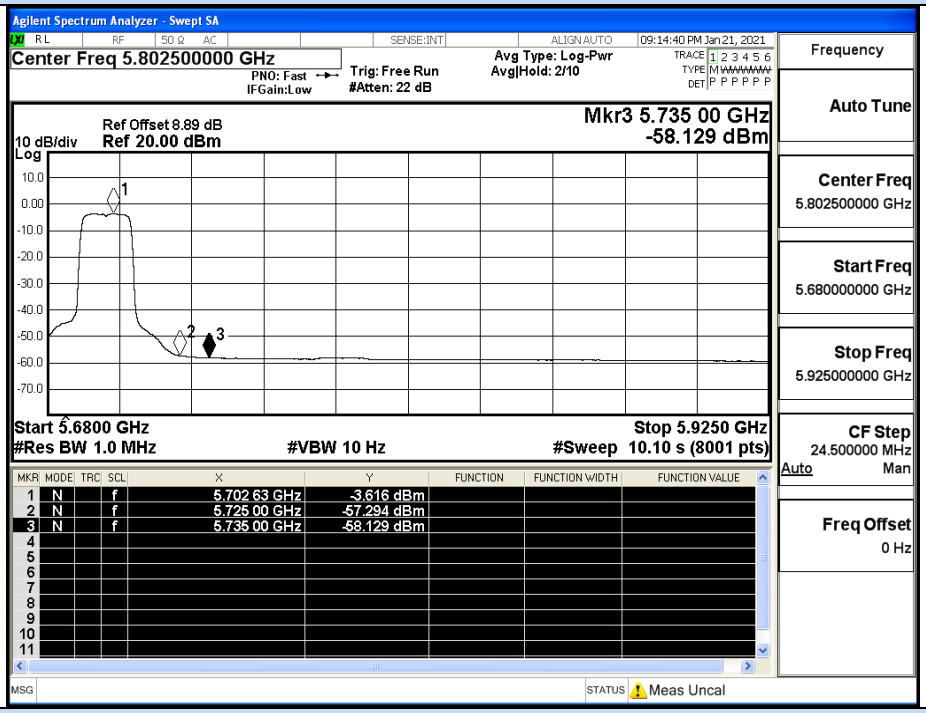


IEEE 802.11a / Channel 100 / 5500MHz / Average

Undesirable Emissions Measurement

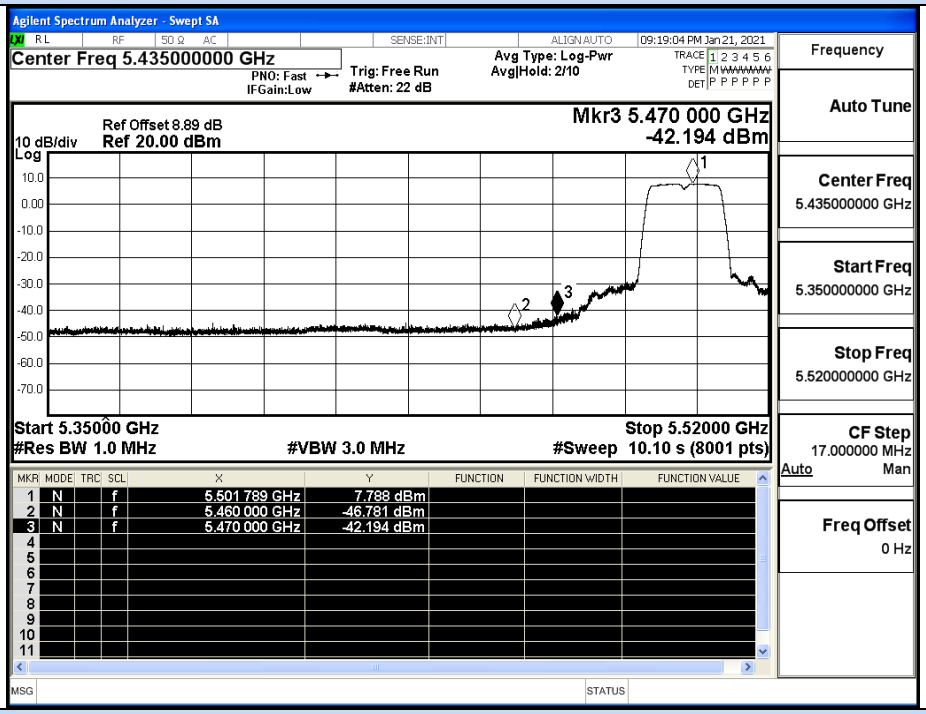


IEEE 802.11a / Channel 140 / 5700MHz / Peak

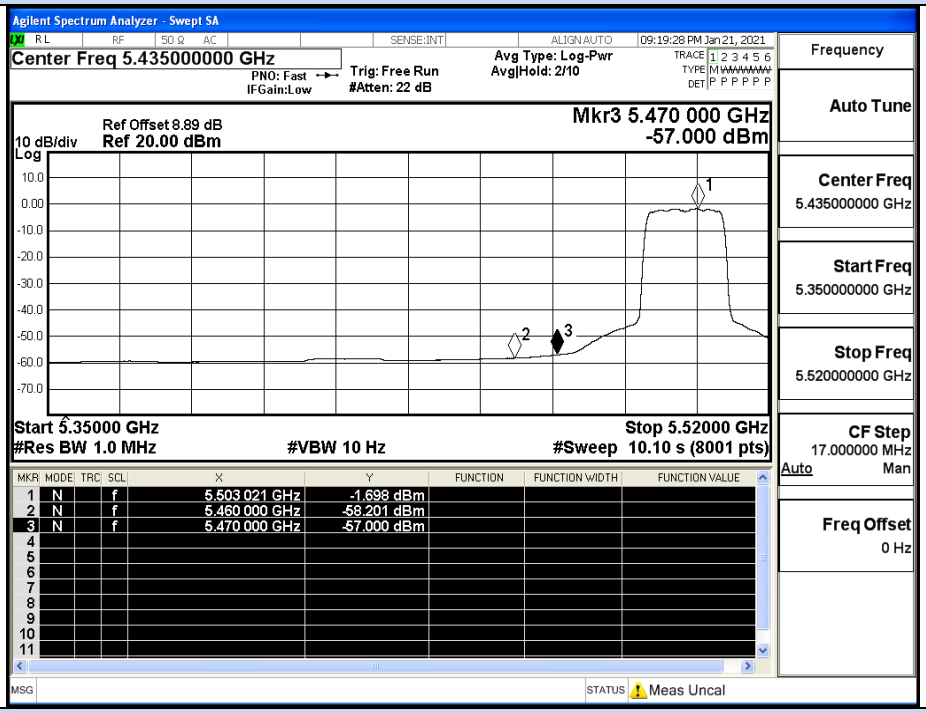


IEEE 802.11a / Channel 140 / 5700MHz / Average

Undesirable Emissions Measurement

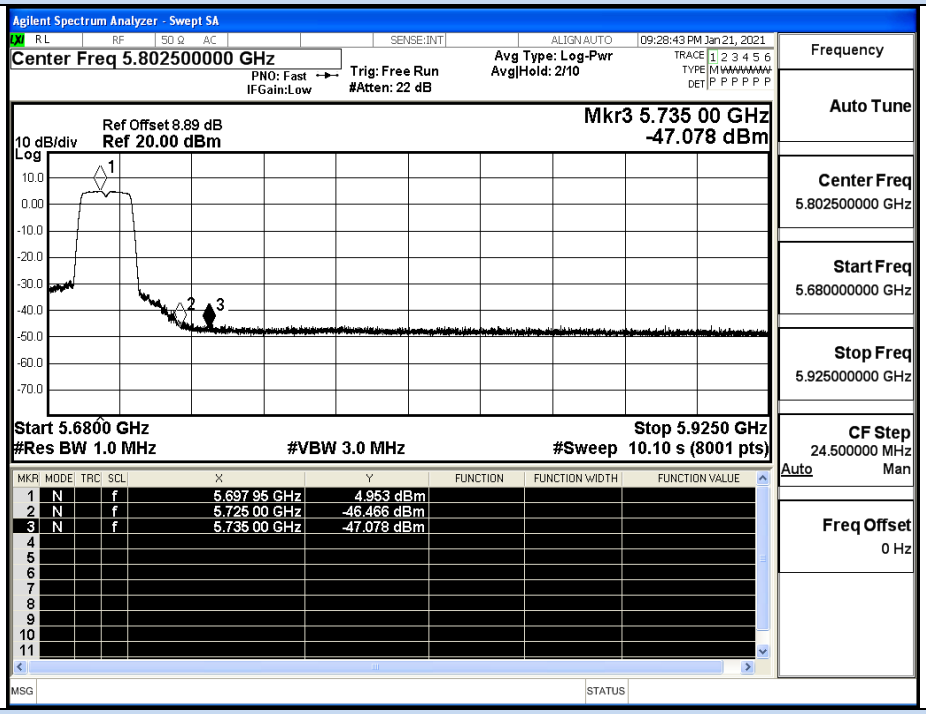


IEEE 802.11n20 / Channel 100 / 5500MHz / Peak

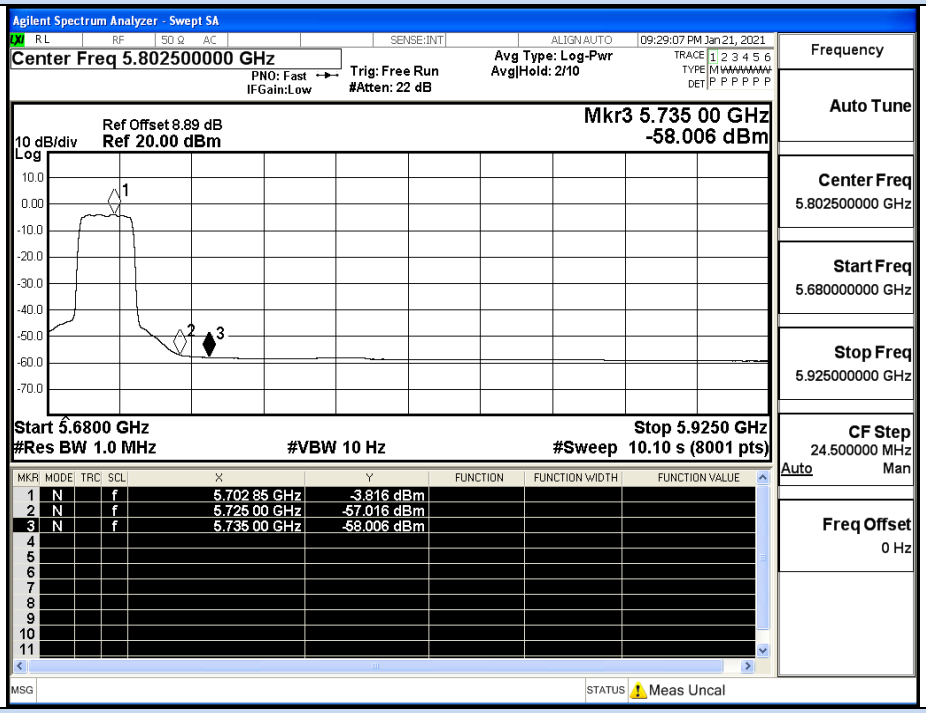


IEEE 802.11n20 / Channel 100 / 5500MHz / Average

Undesirable Emissions Measurement

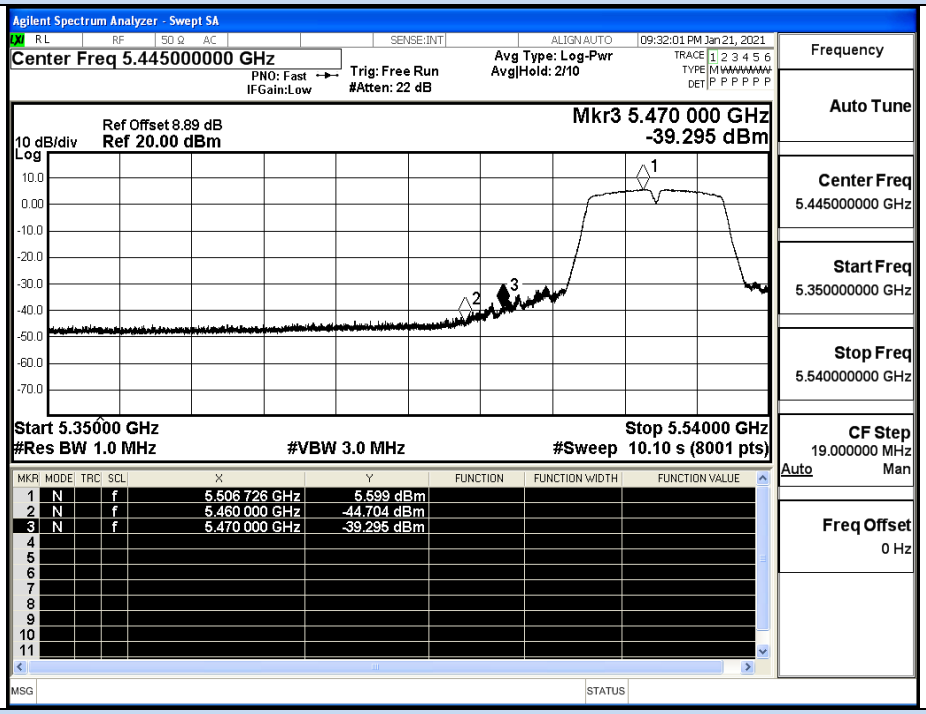


IEEE 802.11n20 / Channel 140 / 5700MHz / Peak

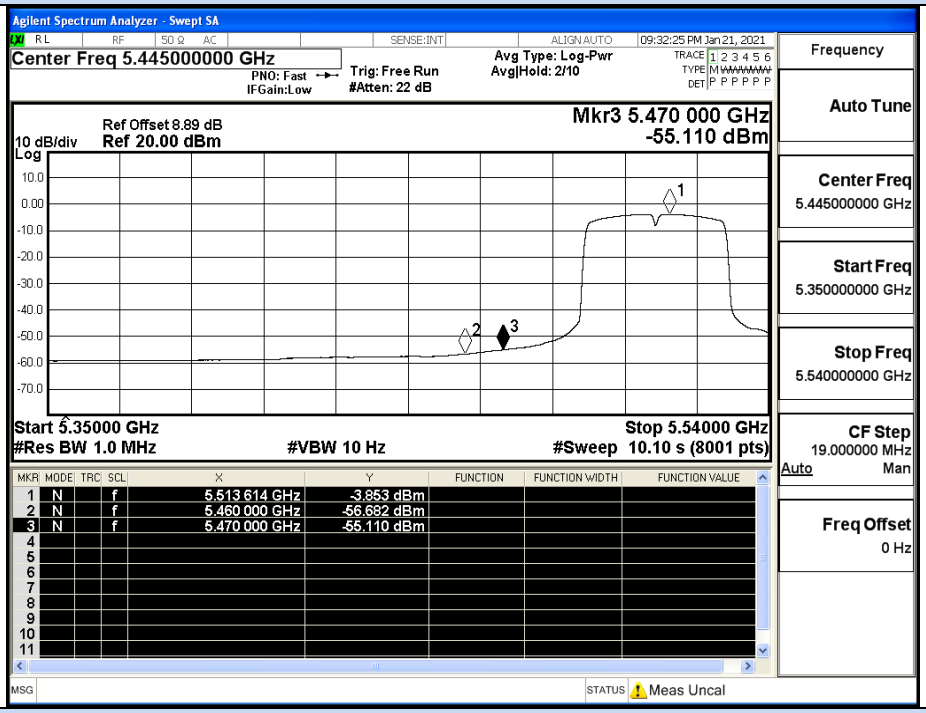


IEEE 802.11n20 / Channel 140 / 5700MHz / Average

Undesirable Emissions Measurement

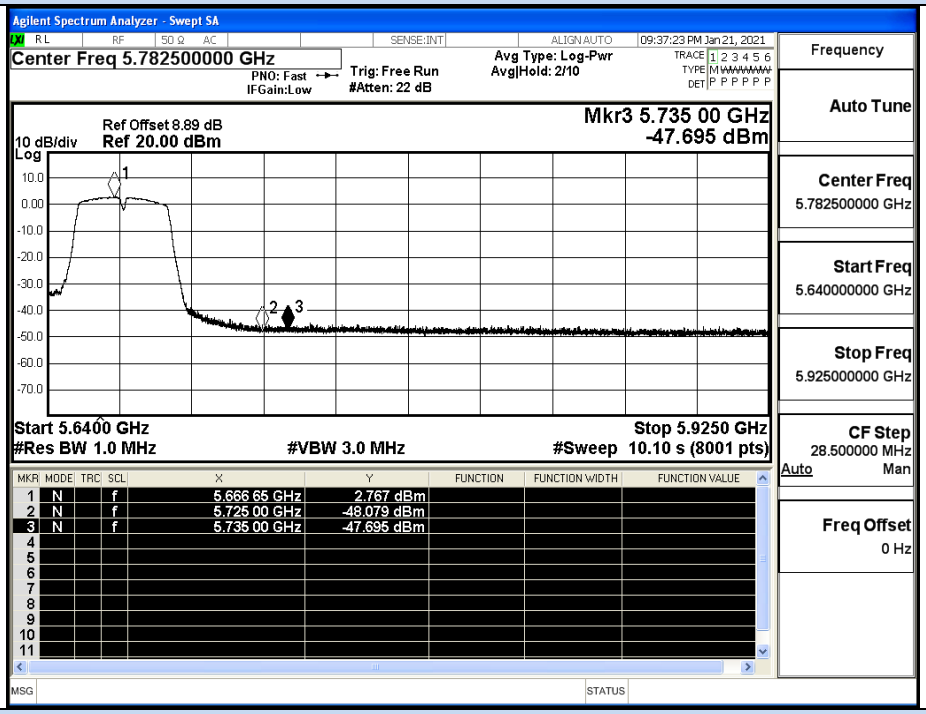


IEEE 802.11n40 / Channel 102 / 5510MHz / Peak

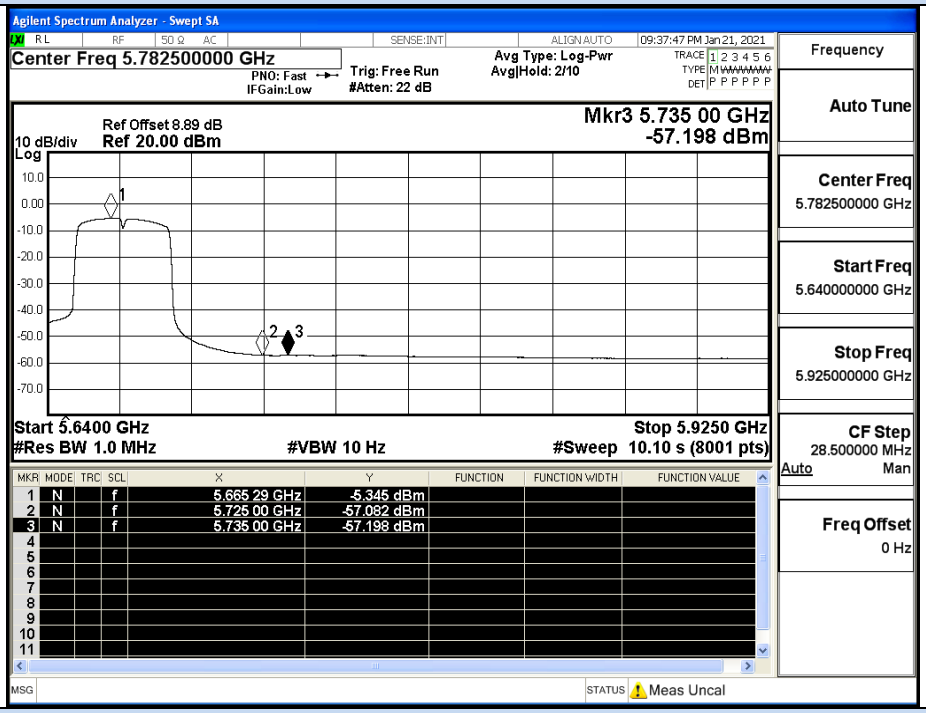


IEEE 802.11n40 / Channel 102 / 5510MHz / Average

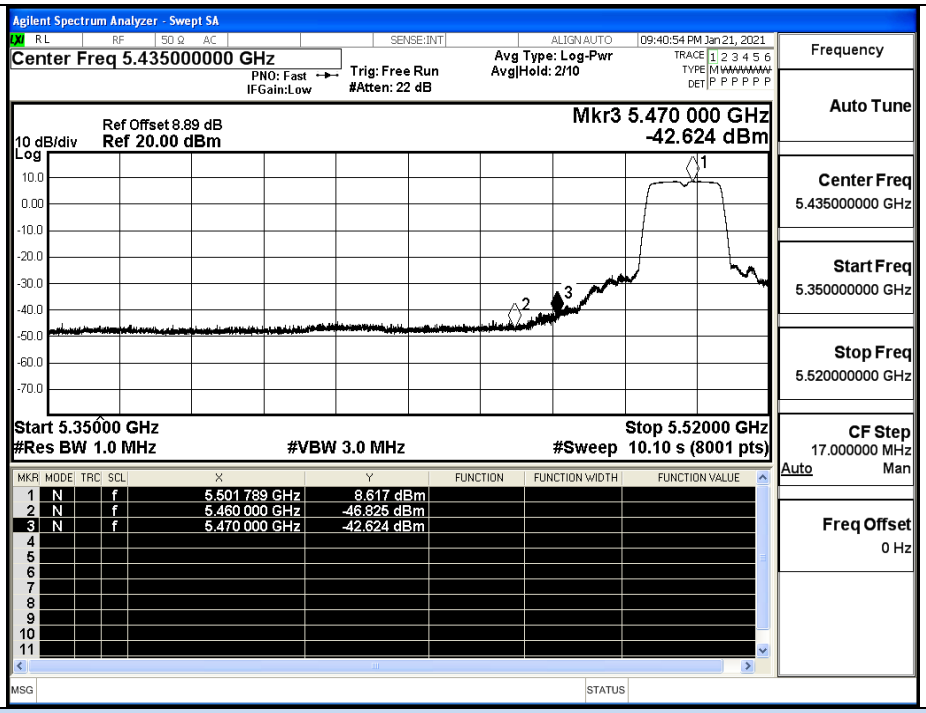
Undesirable Emissions Measurement



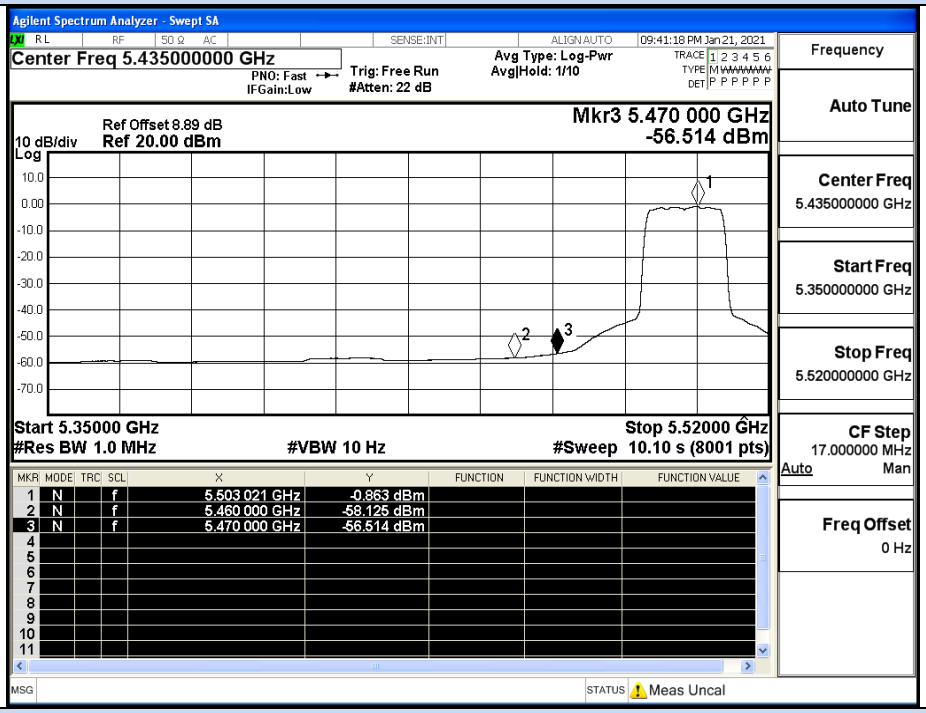
IEEE 802.11n40 / Channel 134 / 5670MHz / Peak



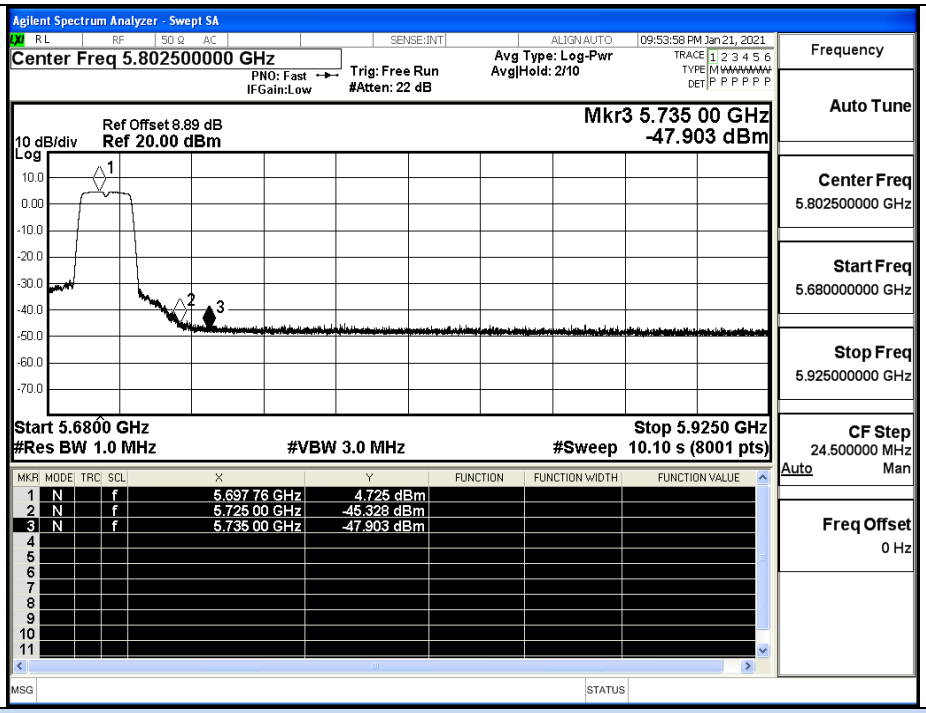
IEEE 802.11n40 / Channel 134 / 5670MHz / Average



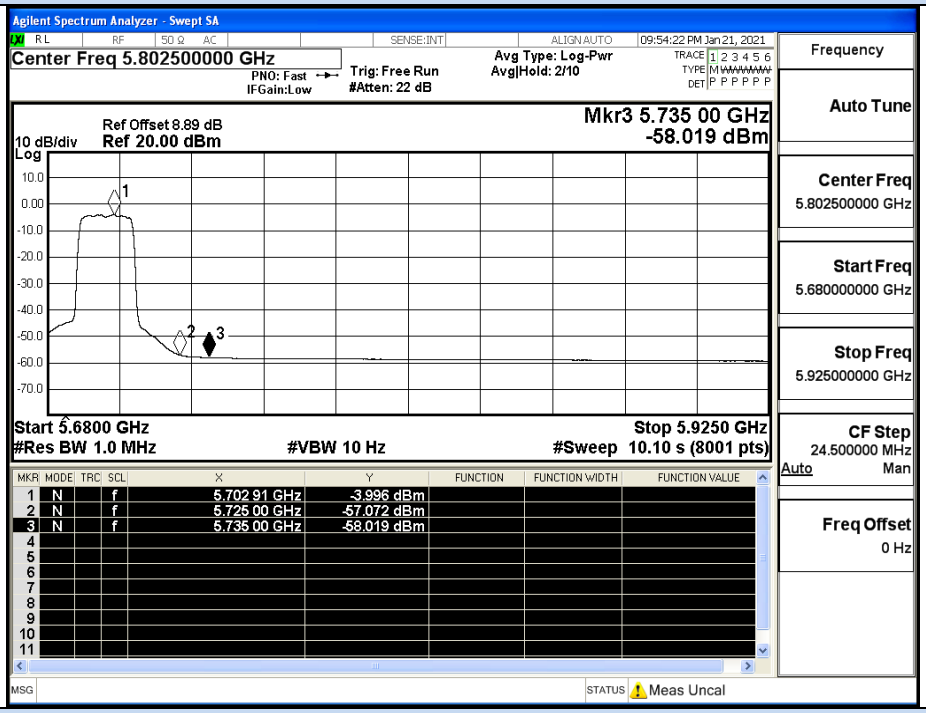
IEEE 802.11ac20 / Channel 100 / 5500MHz / Peak



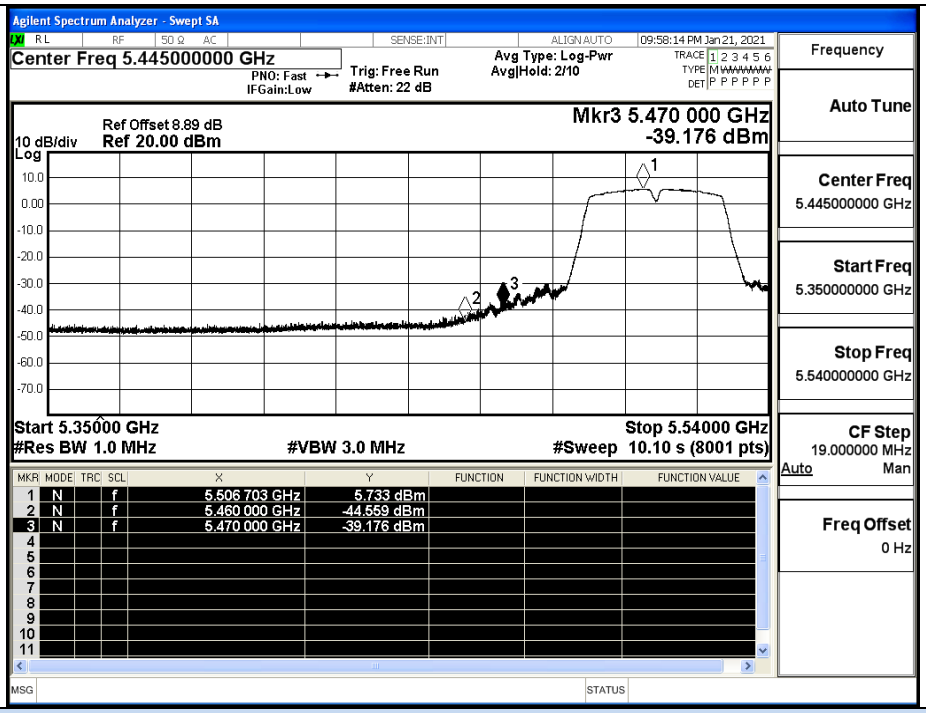
IEEE 802.11ac20 / Channel 100 / 5500MHz / Average



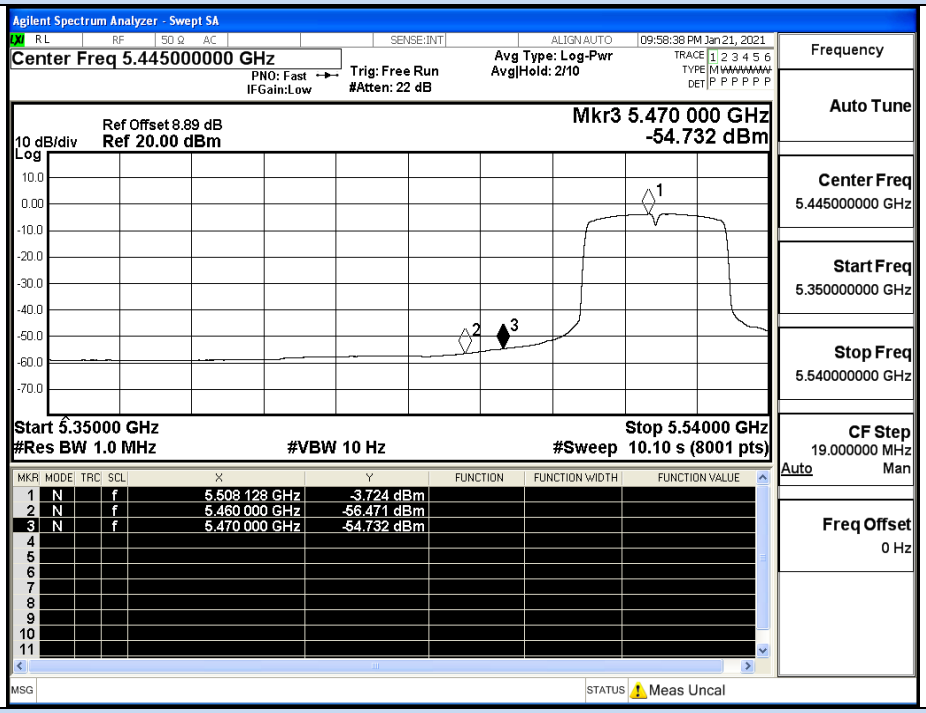
IEEE 802.11ac20 / Channel 140 / 5700MHz / Peak



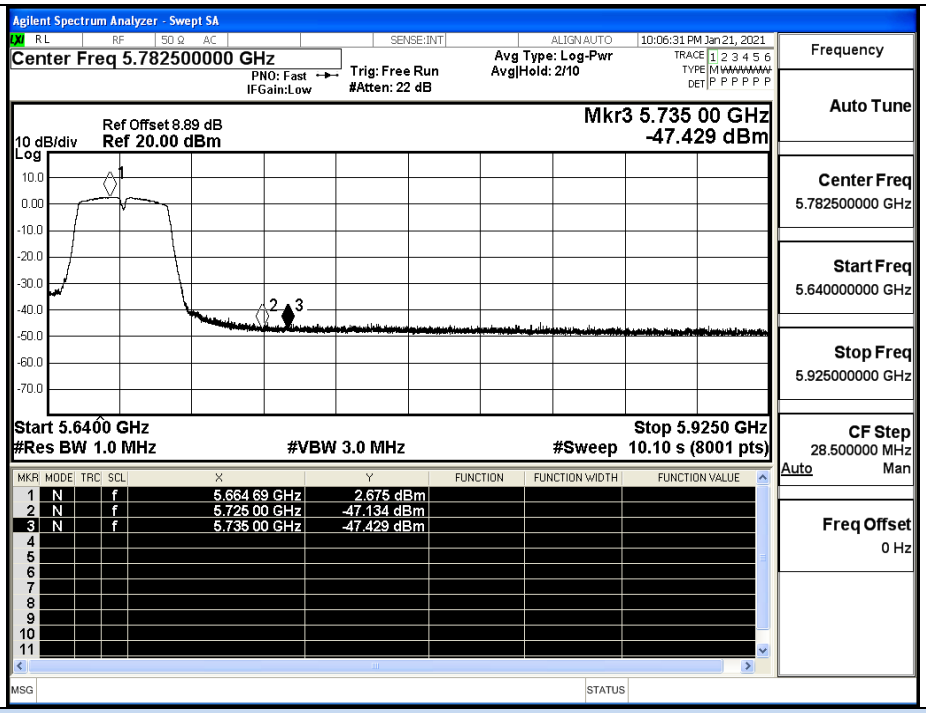
IEEE 802.11ac20 / Channel 140 / 5700MHz / Average



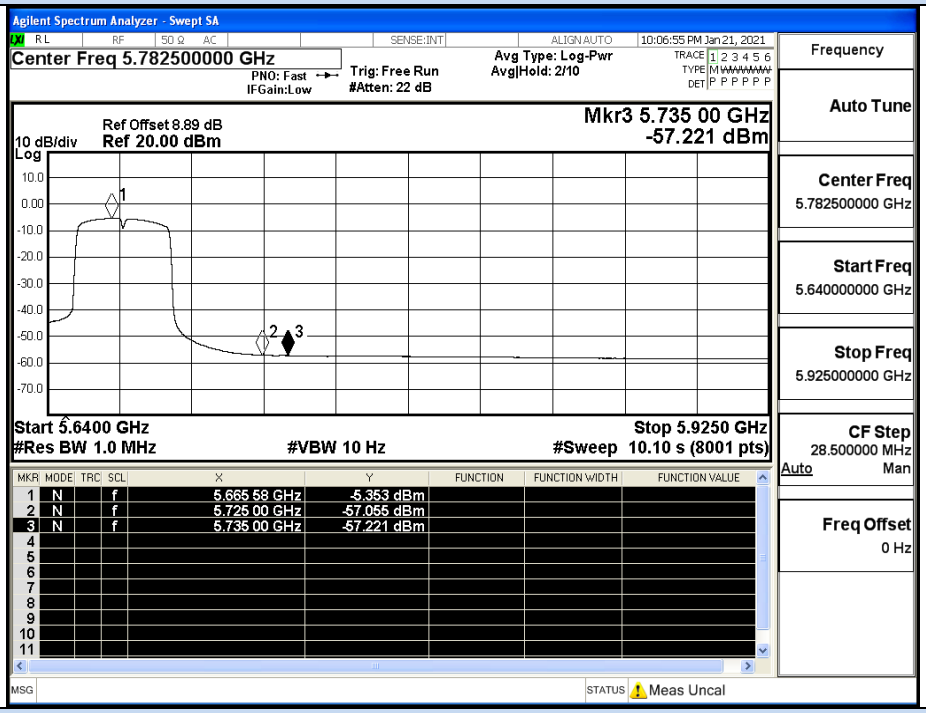
IEEE 802.11ac40 / Channel 102/ 5510MHz / Peak



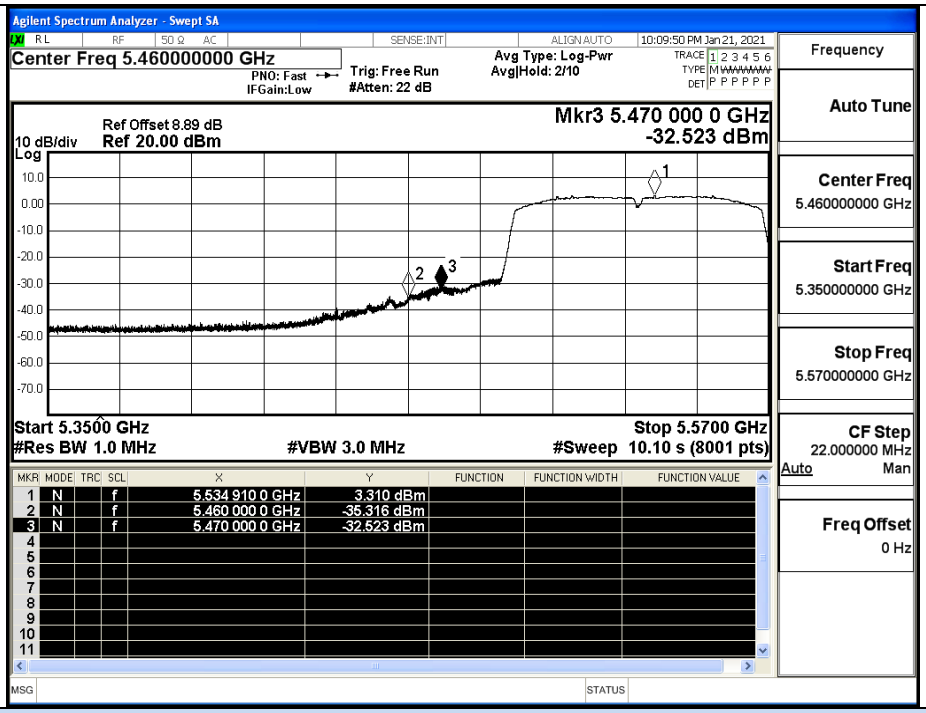
IEEE 802.11ac40 / Channel 102 / 5510MHz / Average



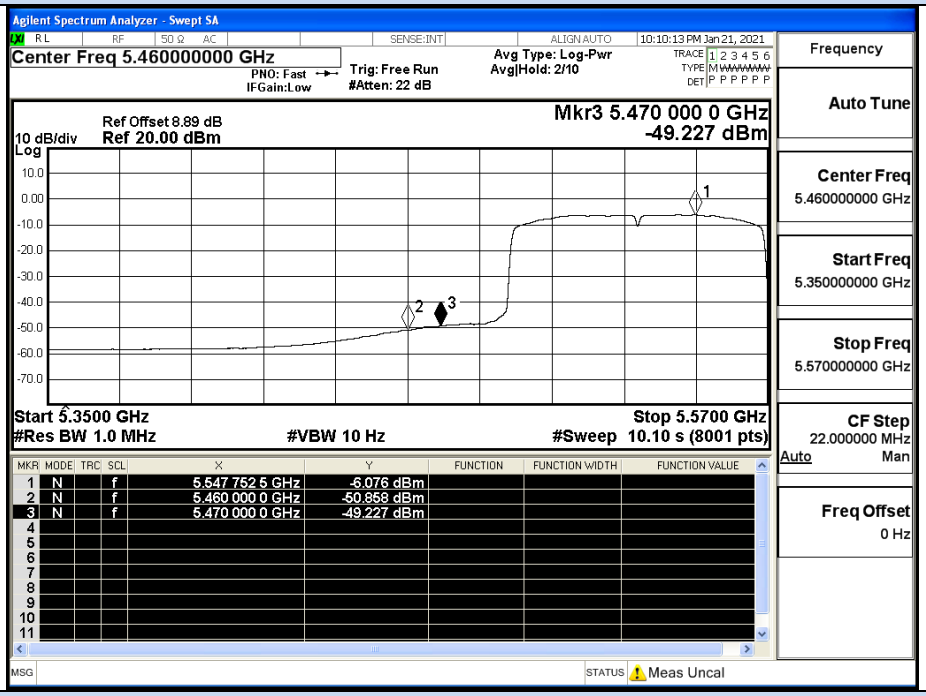
IEEE 802.11ac40 / Channel 134/ 5670MHz / Peak



IEEE 802.11ac40 / Channel 134 / 5670MHz / Average



IEEE 802.11ac80 / Channel 106 / 5530MHz / Peak



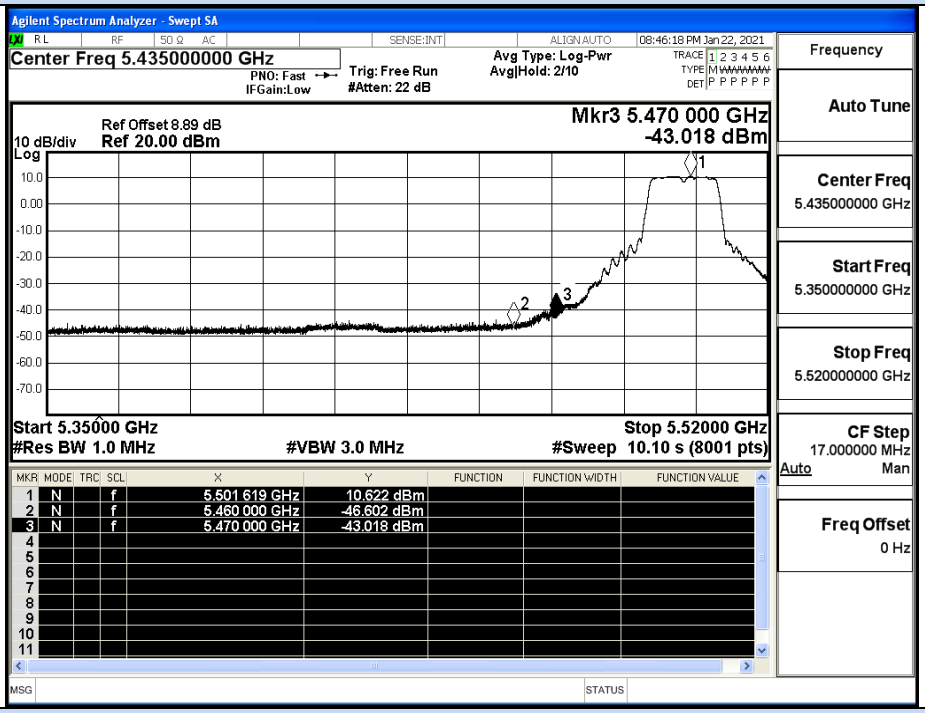
IEEE 802.11ac80 / Channel 106 / 5530MHz / Average

ANT1:

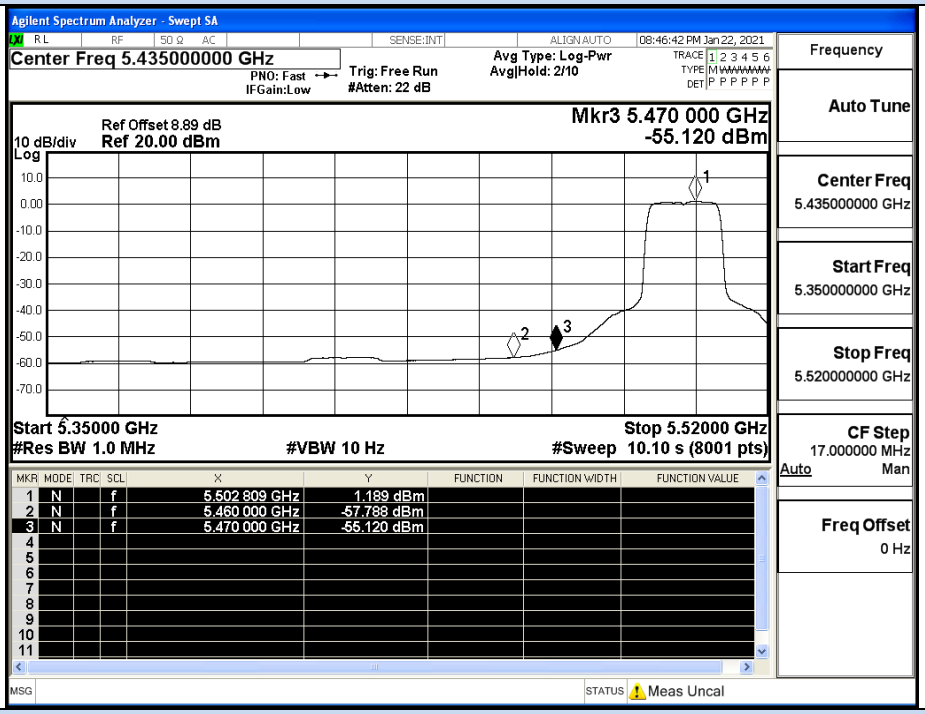
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11A	100	5460.0	-46.60	3.00	0	51.63	Peak	68.20	Pass
		5460.0	-57.79	3.00	0	40.44	Average	54.00	Pass
		5470.0	-43.02	3.00	0	55.21	Peak	68.20	Pass
		5470.0	-55.12	3.00	0	43.11	Average	54.00	Pass
	140	5725.0	-44.67	3.00	0	53.56	Peak	68.20	Pass
		5725.0	-56.05	3.00	0	42.18	Average	54.00	Pass
		5735.0	-46.53	3.00	0	51.70	Peak	68.20	Pass
		5735.0	-57.67	3.00	0	40.56	Average	54.00	Pass
11N20 SISO	100	5460.0	-46.65	3.00	0	51.58	Peak	68.20	Pass
		5460.0	-57.74	3.00	0	40.49	Average	54.00	Pass
		5470.0	-38.08	3.00	0	60.15	Peak	68.20	Pass
		5470.0	-54.79	3.00	0	43.44	Average	54.00	Pass
	140	5725.0	-40.36	3.00	0	57.87	Peak	68.20	Pass
		5725.0	-55.71	3.00	0	42.52	Average	54.00	Pass
		5735.0	-46.61	3.00	0	51.62	Peak	68.20	Pass
		5735.0	-57.62	3.00	0	40.61	Average	54.00	Pass
11N40 SISO	102	5460.0	-39.27	3.00	0	58.96	Peak	68.20	Pass
		5460.0	-53.70	3.00	0	44.53	Average	54.00	Pass
		5470.0	-30.72	3.00	0	67.51	Peak	68.20	Pass
		5470.0	-48.81	3.00	0	49.42	Average	54.00	Pass
	134	5725.0	-46.95	3.00	0	51.28	Peak	68.20	Pass
		5725.0	-56.76	3.00	0	41.47	Average	54.00	Pass
		5735.0	-46.05	3.00	0	52.18	Peak	68.20	Pass
		5735.0	-56.75	3.00	0	41.48	Average	54.00	Pass
11AC20 SISO	100	5460.0	-46.32	3.00	0	51.91	Peak	68.20	Pass
		5460.0	-57.82	3.00	0	40.41	Average	54.00	Pass
		5470.0	-41.42	3.00	0	56.81	Peak	68.20	Pass
		5470.0	-55.13	3.00	0	43.10	Average	54.00	Pass
	140	5725.0	-43.77	3.00	0	54.46	Peak	68.20	Pass
		5725.0	-56.09	3.00	0	42.14	Average	54.00	Pass
		5735.0	-47.64	3.00	0	50.59	Peak	68.20	Pass
		5735.0	-57.73	3.00	0	40.50	Average	54.00	Pass
11AC40 SISO	102	5460.0	-45.85	3.00	0	52.38	Peak	68.20	Pass
		5460.0	-58.25	3.00	0	39.98	Average	54.00	Pass
		5470.0	-42.09	3.00	0	56.14	Peak	68.20	Pass
		5470.0	-55.98	3.00	0	42.25	Average	54.00	Pass
	134	5725.0	-46.37	3.00	0	51.86	Peak	68.20	Pass
		5725.0	-56.42	3.00	0	41.81	Average	54.00	Pass
		5735.0	-47.07	3.00	0	51.16	Peak	68.20	Pass
		5735.0	-56.53	3.00	0	41.70	Average	54.00	Pass
11AC80 SISO	106	5460.0	-38.09	3.00	0	60.14	Peak	68.20	Pass
		5460.0	-53.45	3.00	0	44.78	Average	54.00	Pass
		5470.0	-35.27	3.00	0	62.96	Peak	68.20	Pass
		5470.0	-52.32	3.00	0	45.91	Average	54.00	Pass

Note: The frequency 5590&5610MHz data is only applicable to FCC, not applicable to ISED.

Undesirable Emissions Measurement

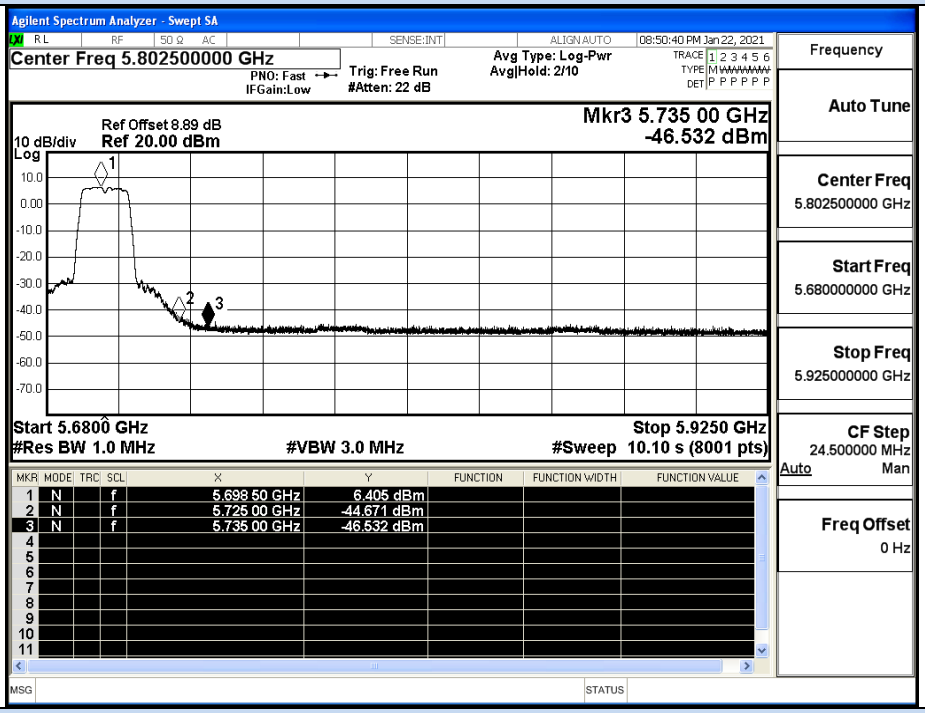


IEEE 802.11a / Channel 100 / 5500MHz / Peak

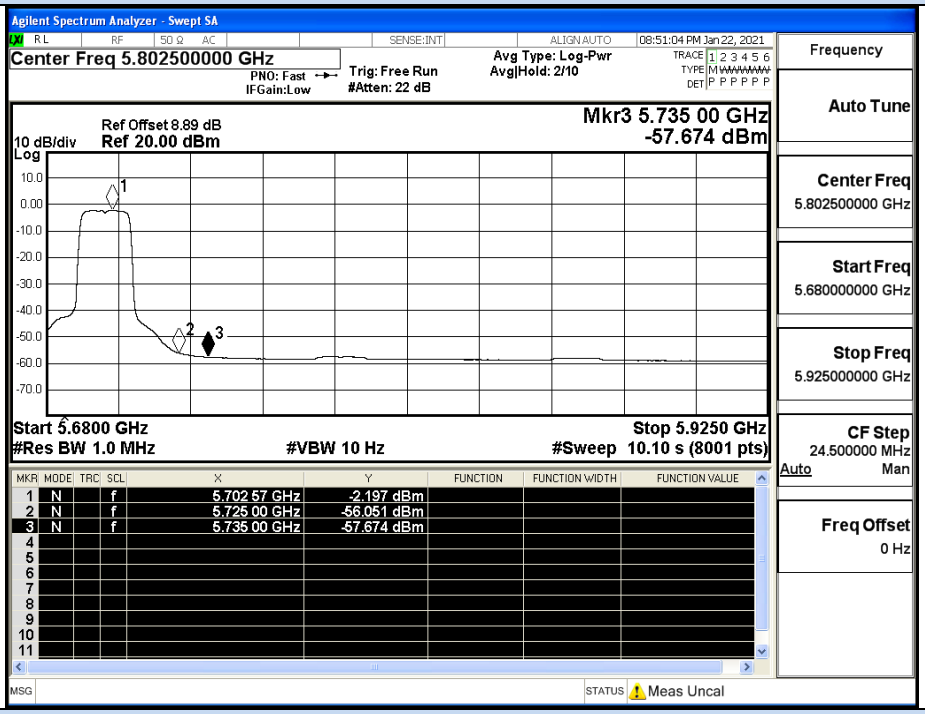


IEEE 802.11a / Channel 100 / 5500MHz / Average

Undesirable Emissions Measurement

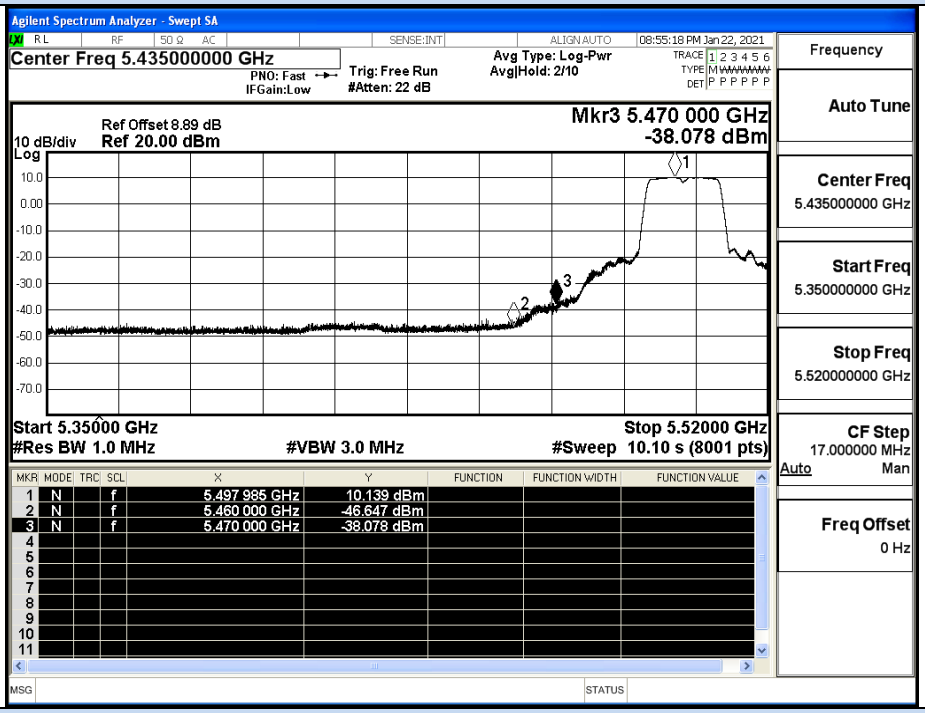


IEEE 802.11a / Channel 140 / 5700MHz / Peak

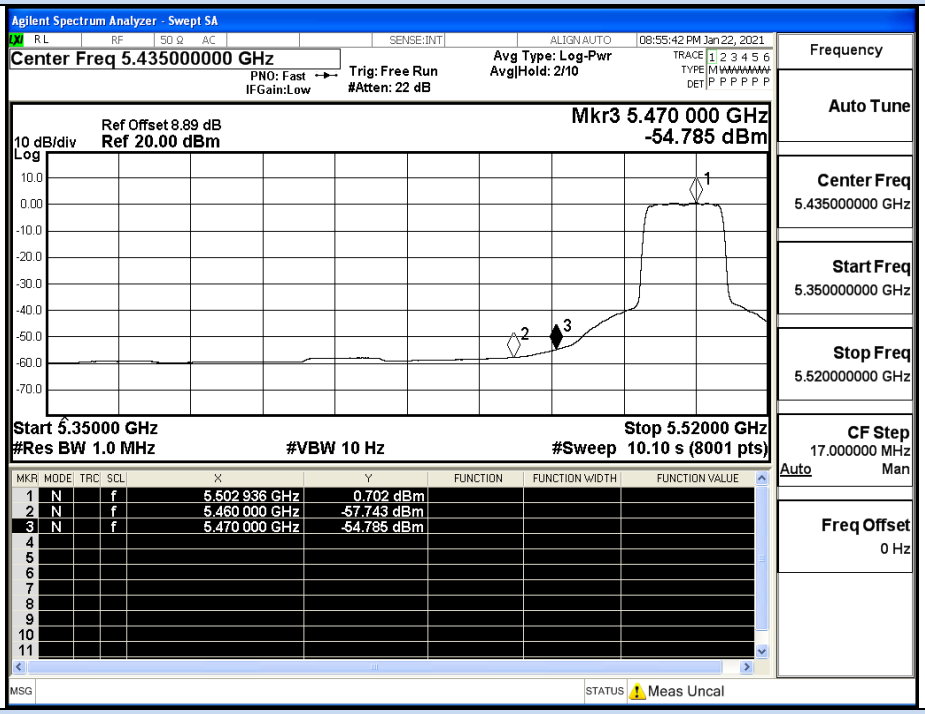


IEEE 802.11a / Channel 140 / 5700MHz / Average

Undesirable Emissions Measurement

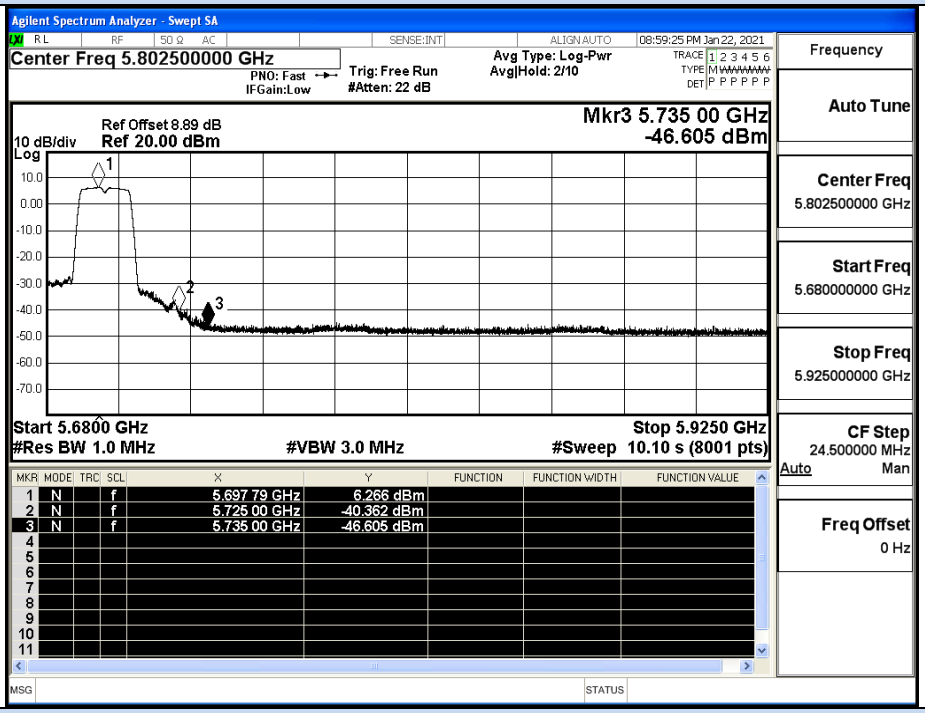


IEEE 802.11n20 / Channel 100 / 5500MHz / Peak

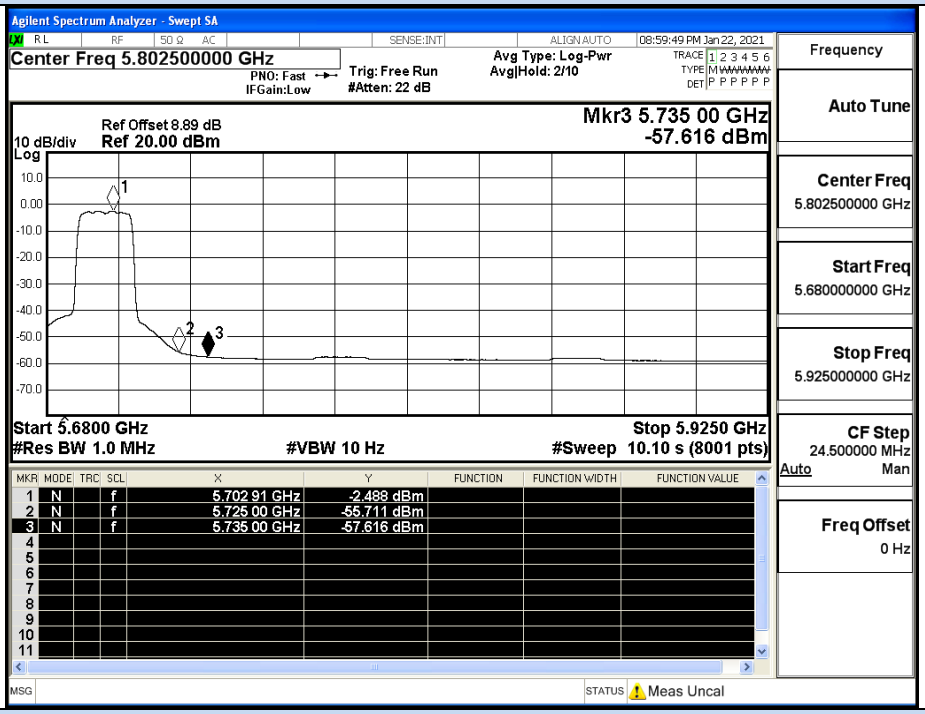


IEEE 802.11n20 / Channel 100 / 5500MHz / Average

Undesirable Emissions Measurement

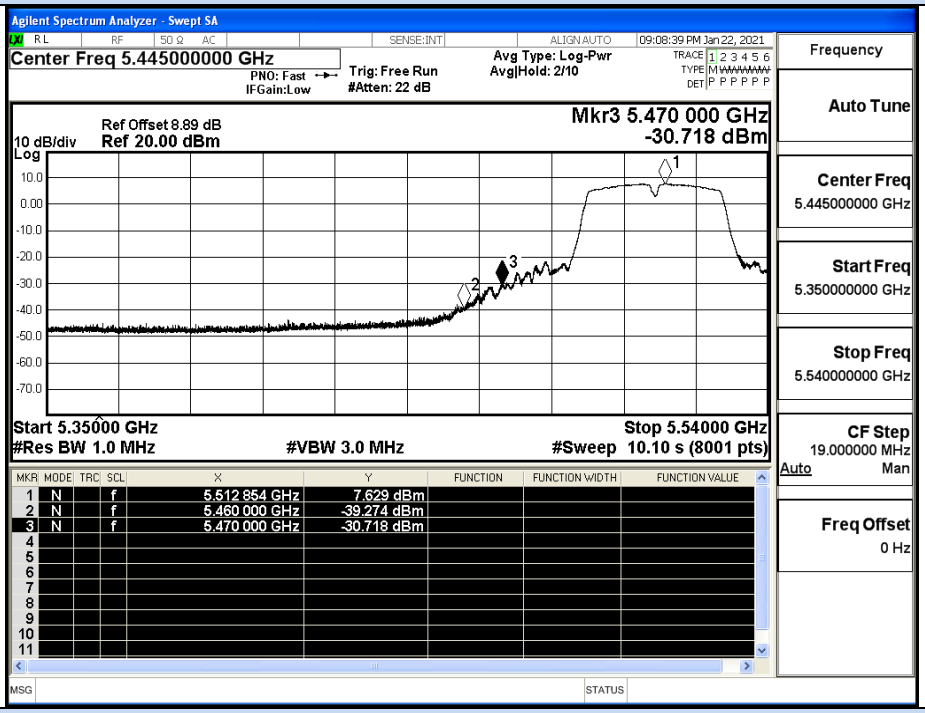


IEEE 802.11n20 / Channel 140 / 5700MHz / Peak

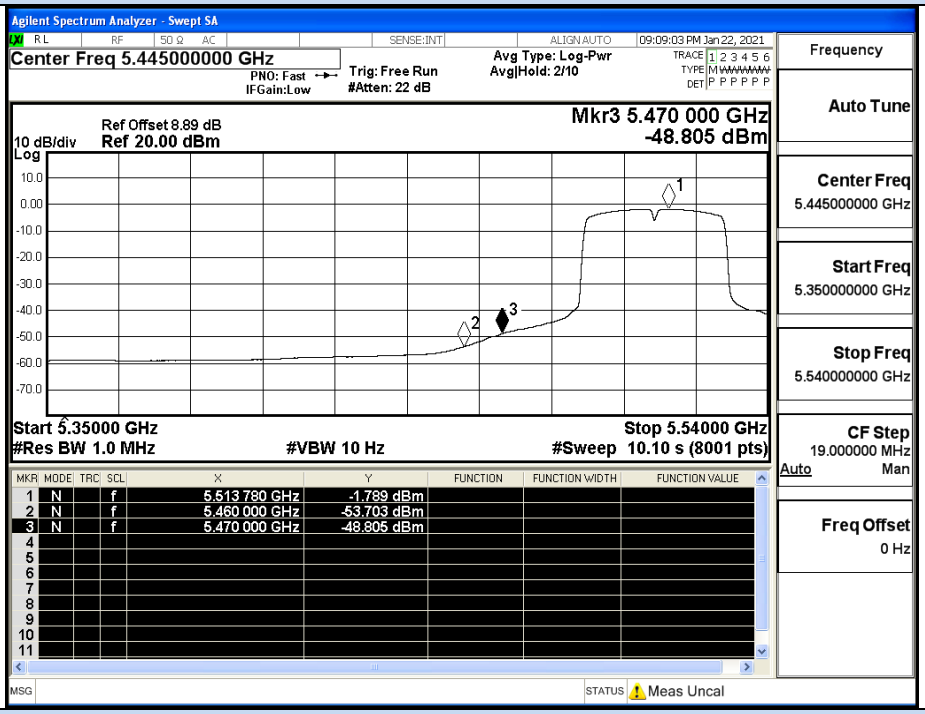


IEEE 802.11n20 / Channel 140 / 5700MHz / Average

Undesirable Emissions Measurement

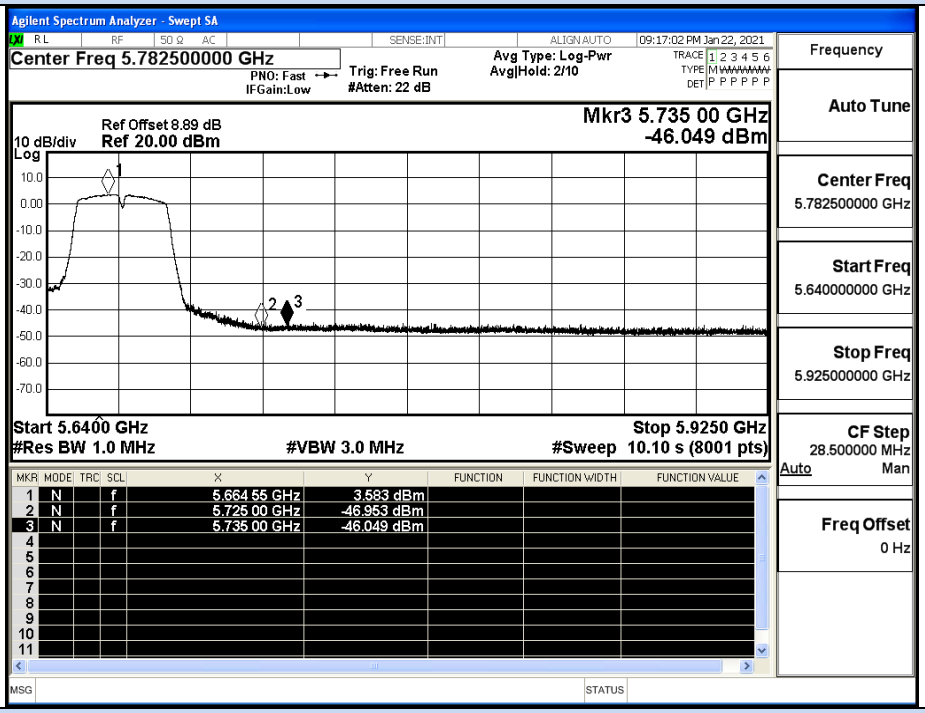


IEEE 802.11n40 / Channel 102 / 5510MHz / Peak

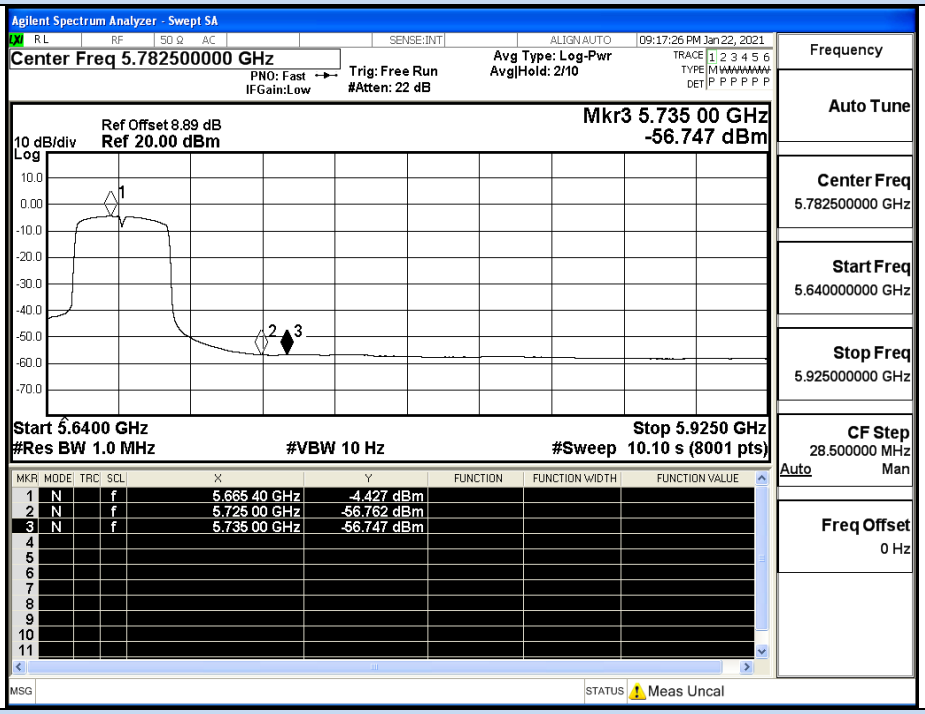


IEEE 802.11n40 / Channel 102 / 5510MHz / Average

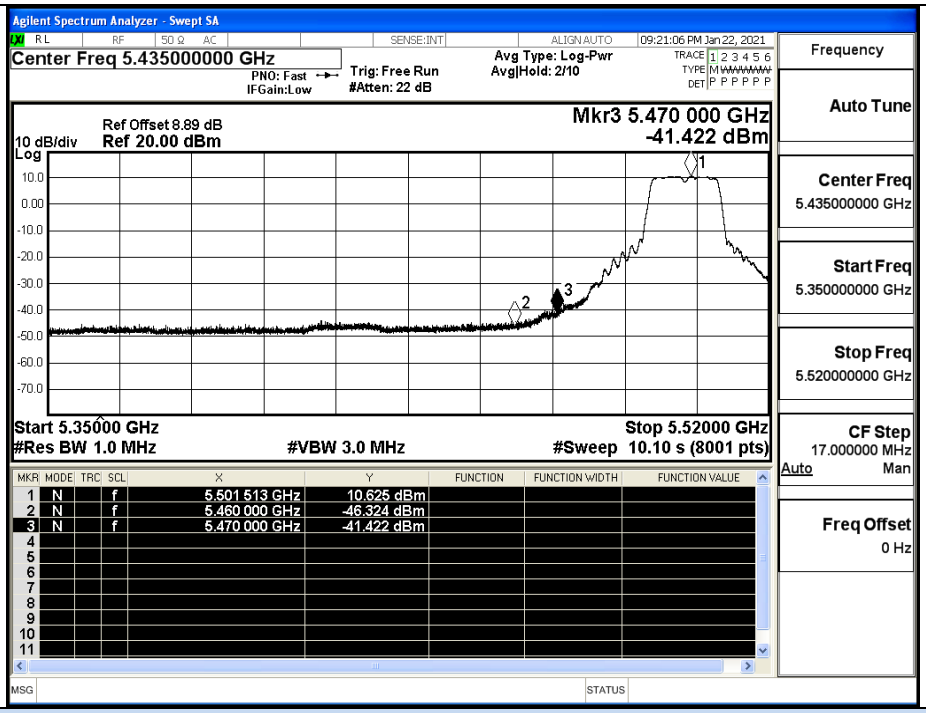
Undesirable Emissions Measurement



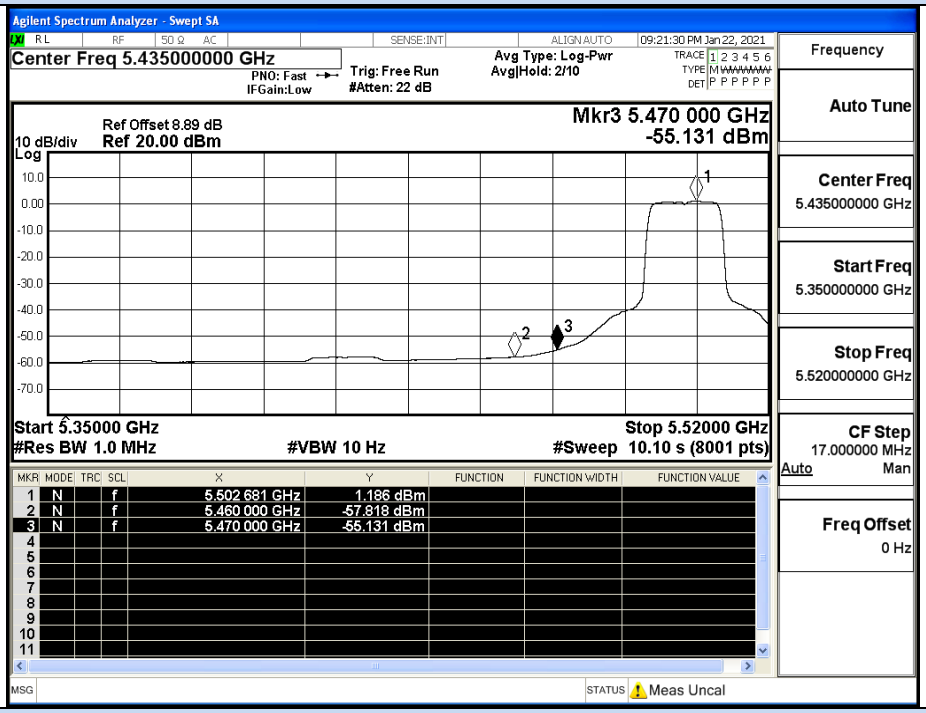
IEEE 802.11n40 / Channel 134 / 5670MHz / Peak



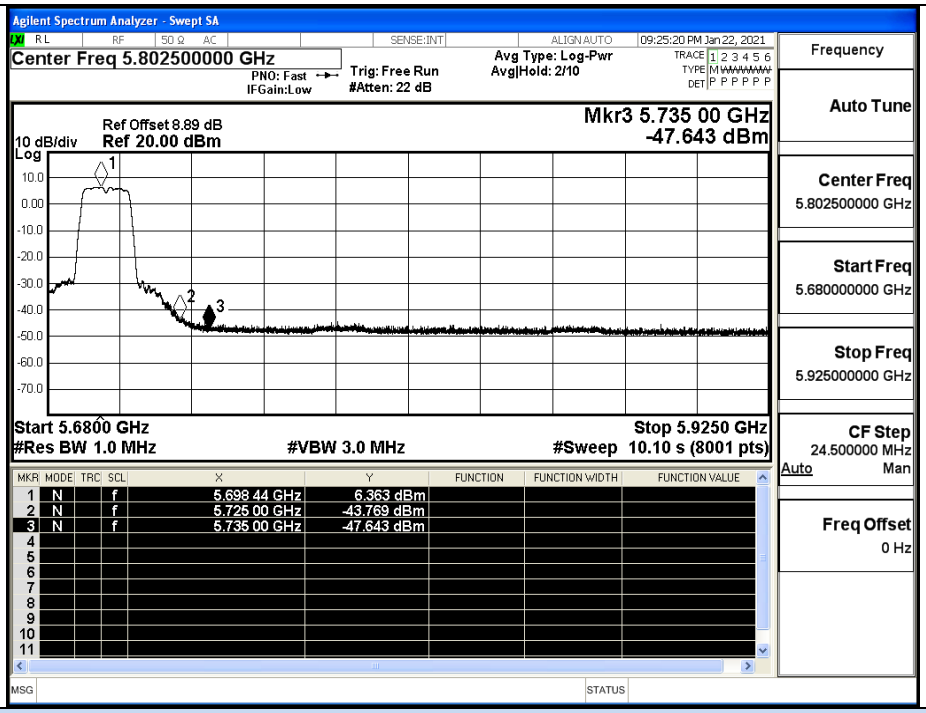
IEEE 802.11n40 / Channel 134 / 5670MHz / Average



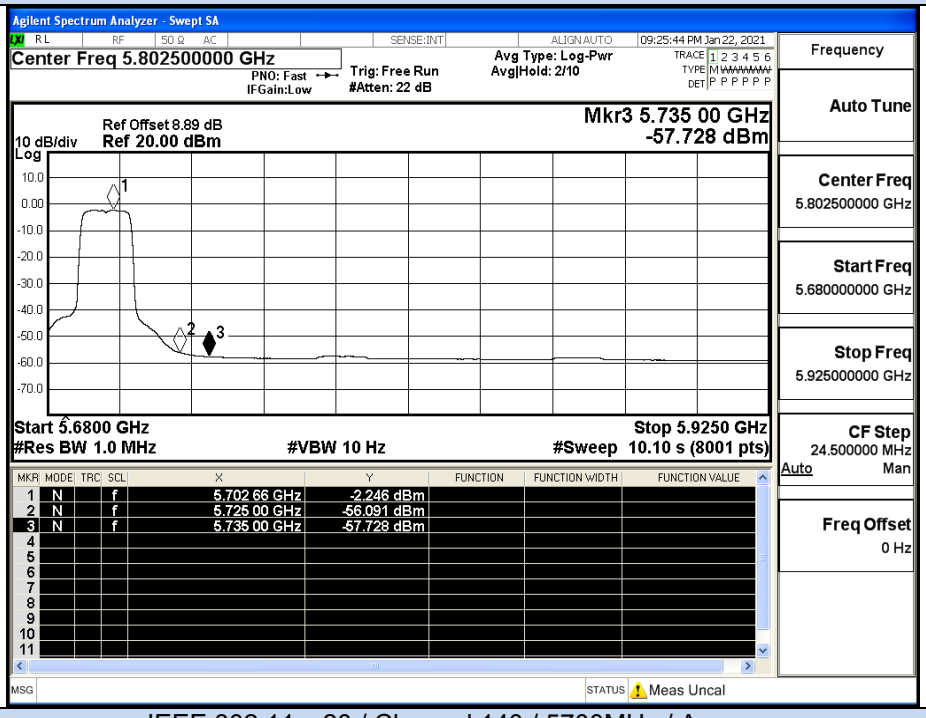
IEEE 802.11ac20 / Channel 100 / 5500MHz / Peak



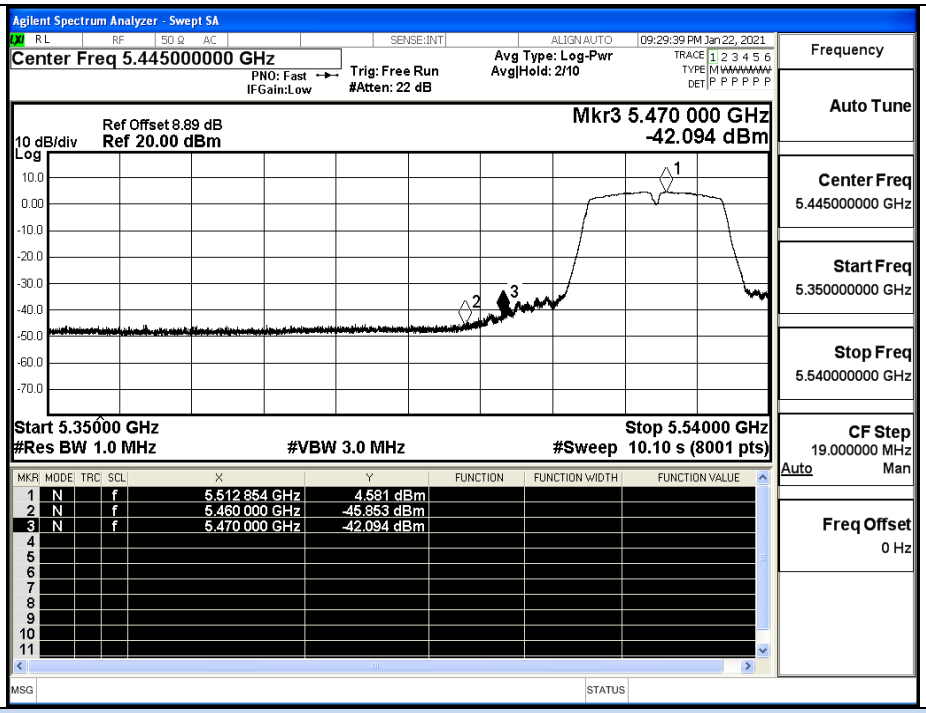
IEEE 802.11ac20 / Channel 100 / 5500MHz / Average



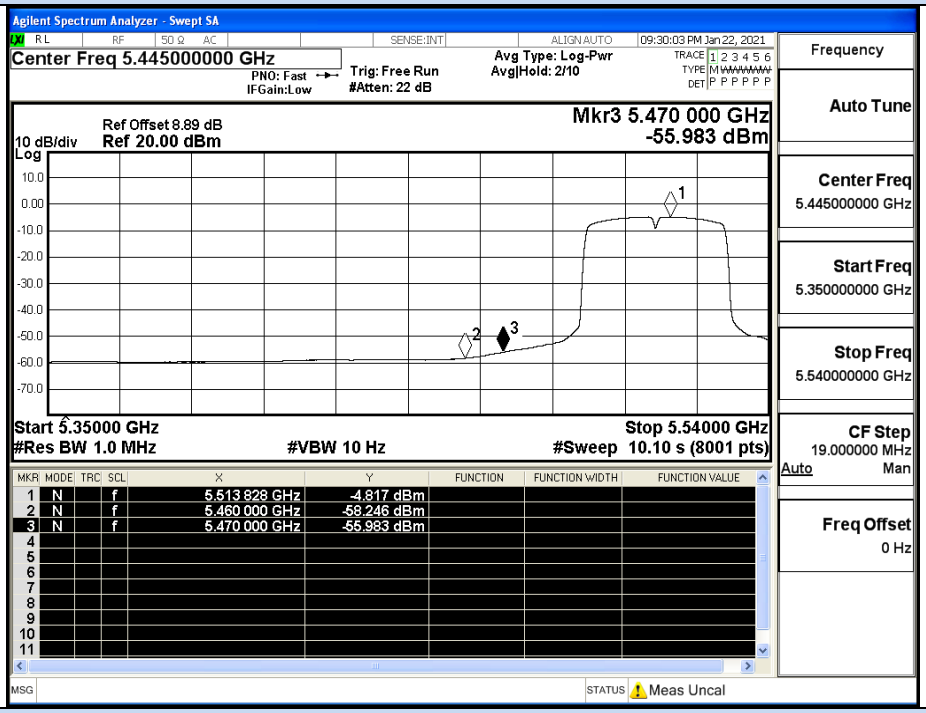
IEEE 802.11ac20 / Channel 140 / 5700MHz / Peak



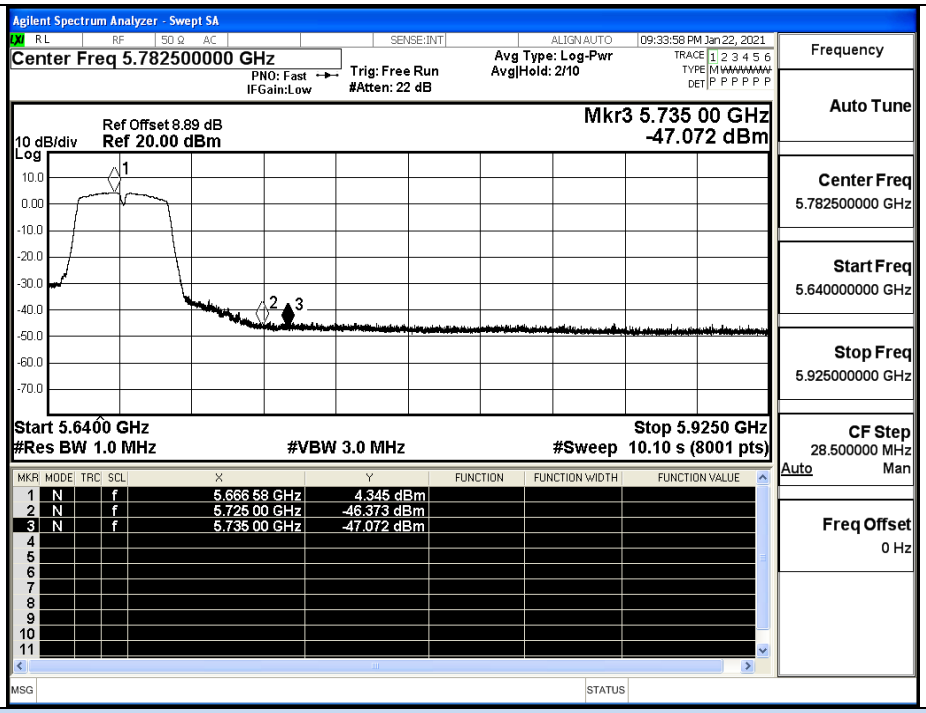
IEEE 802.11ac20 / Channel 140 / 5700MHz / Average



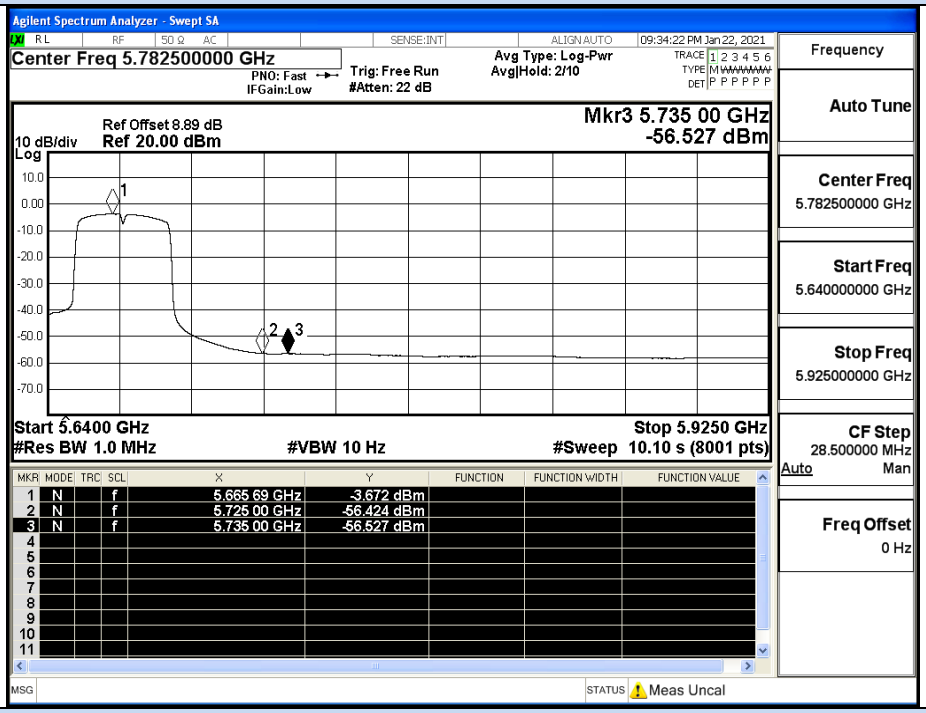
IEEE 802.11ac40 / Channel 102/ 5510MHz / Peak



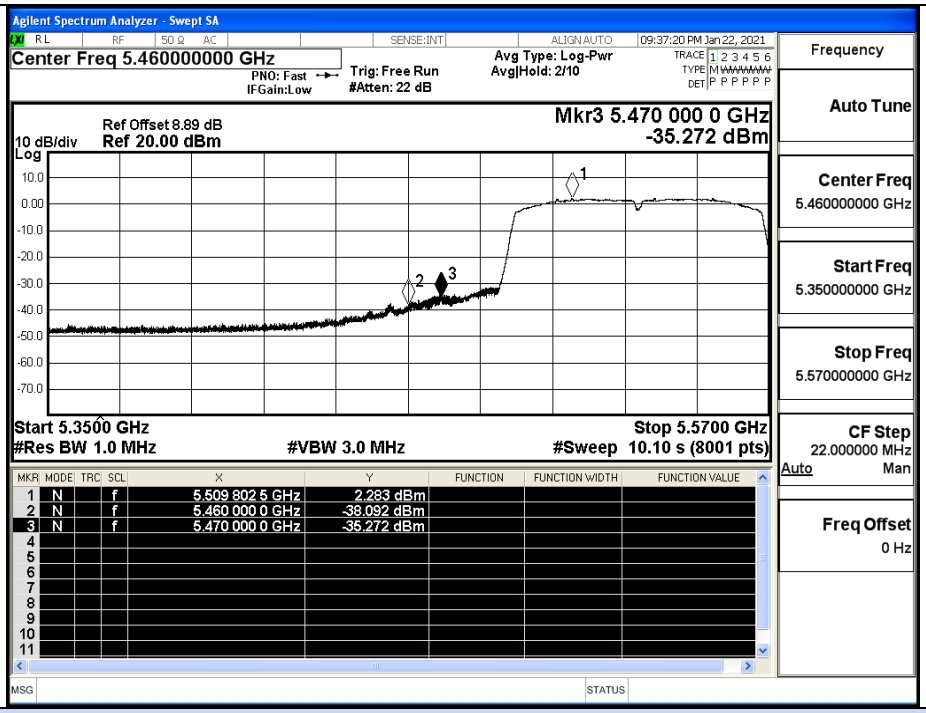
IEEE 802.11ac40 / Channel 102 / 5510MHz / Average



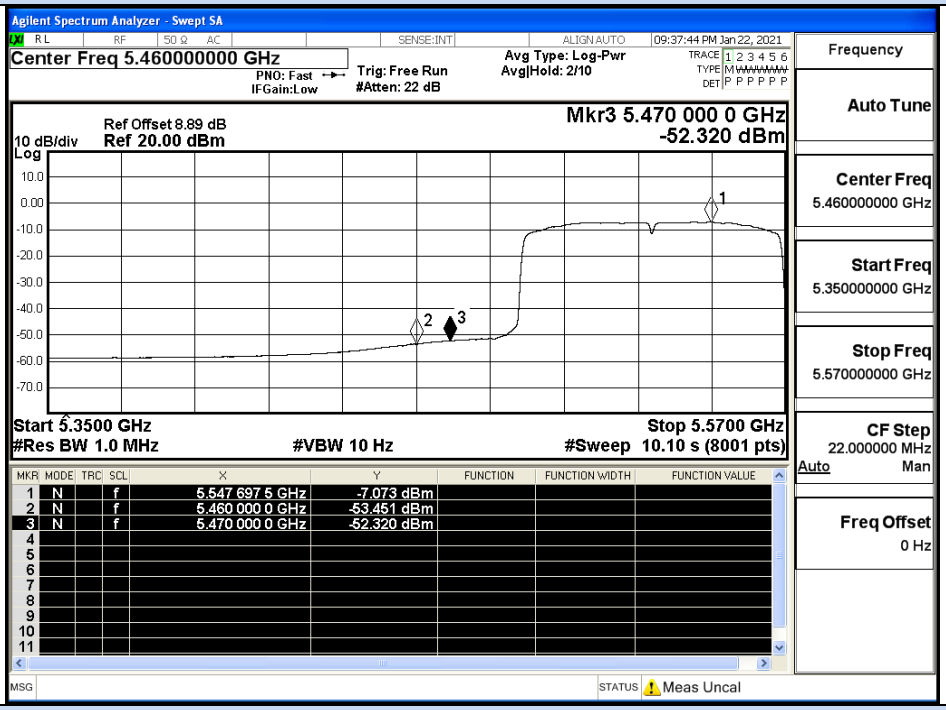
IEEE 802.11ac40 / Channel 134/ 5670MHz / Peak



IEEE 802.11ac40 / Channel 134 / 5670MHz / Average



IEEE 802.11ac80 / Channel 106 / 5530MHz / Peak



IEEE 802.11ac80 / Channel 106 / 5530MHz / Average