Appendix D

RF Test Data for 5.2G WLAN (Conducted Measurement)

Product Name: Wi-Fi Module

Trade Mark: N/A

Test Model: EWN-1638ACX2AA

Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jack Liu
Supervised by:	Li Huan

D.1 Duty Cycle

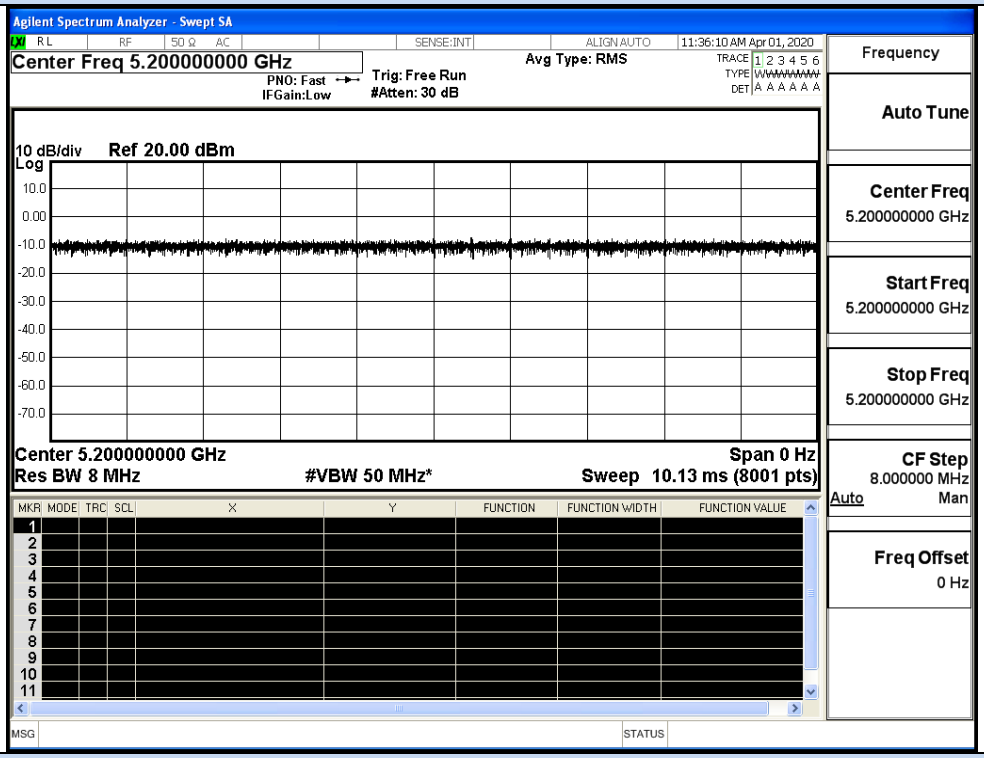
Ant_0

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5200	100	0.00	0.01
11N20	5200	100	0.00	0.01
11N40	5190	100	0.00	0.01
11AC20	5200	100	0.00	0.01
11AC40	5190	100	0.00	0.01
11AC80	5210	100	0.00	0.01

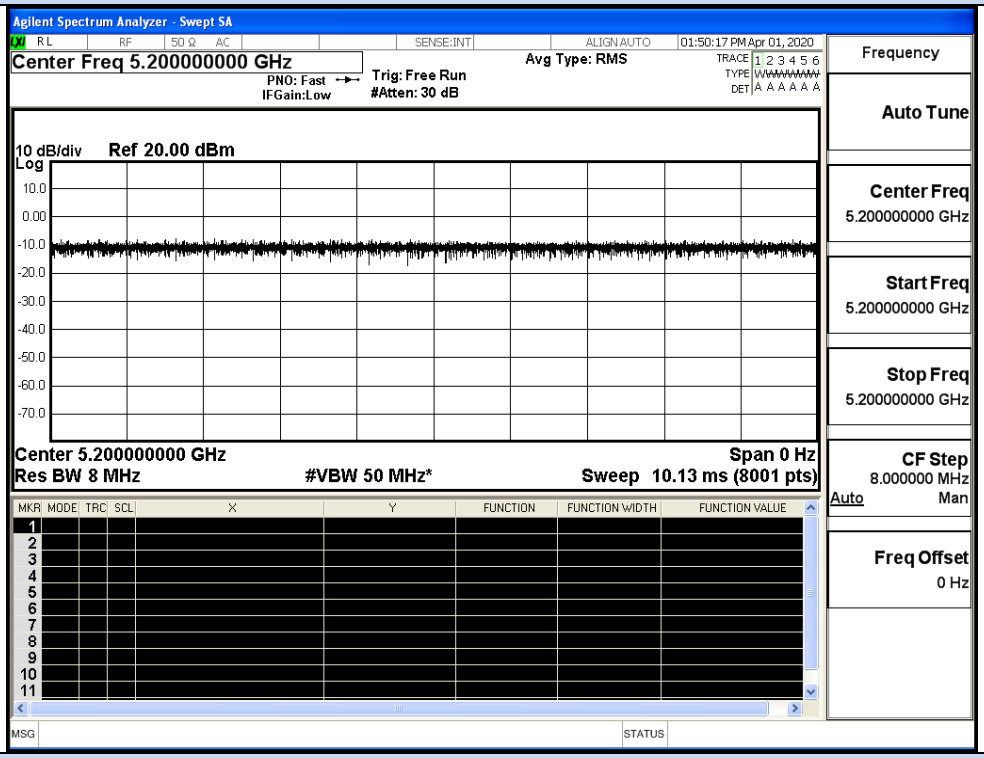
Ant_1

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5200	100	0.00	0.01
11N20	5200	100	0.00	0.01
11N40	5190	100	0.00	0.01
11AC20	5200	100	0.00	0.01
11AC40	5190	100	0.00	0.01
11AC80	5210	100	0.00	0.01

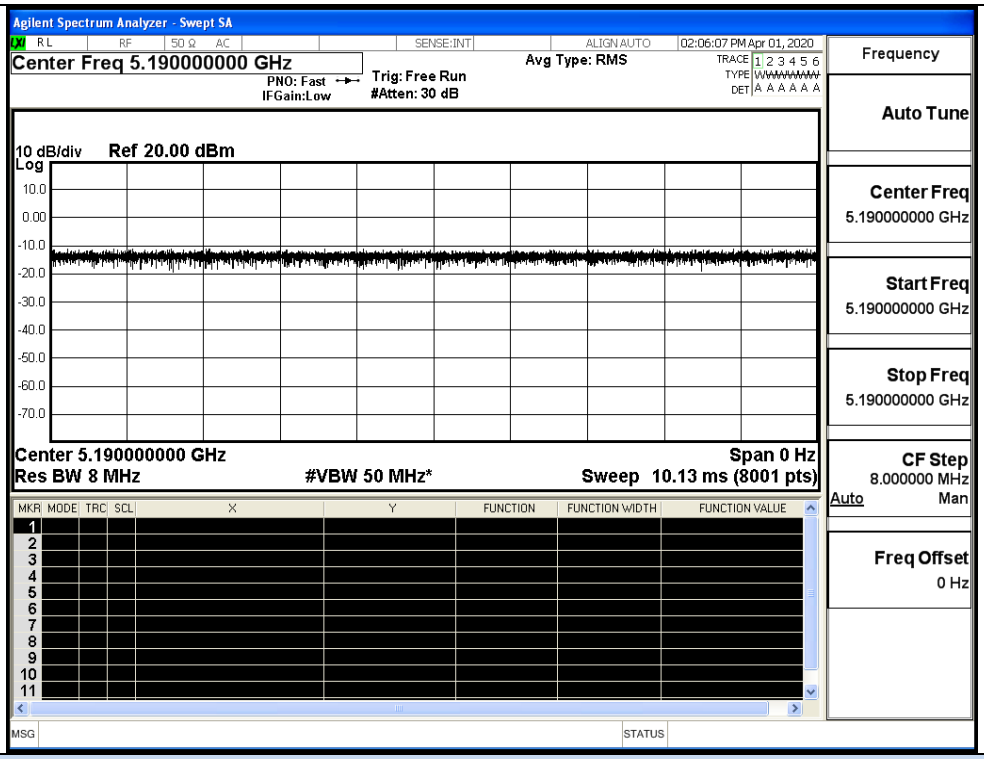
On Time and Duty Cycle_Ant_0



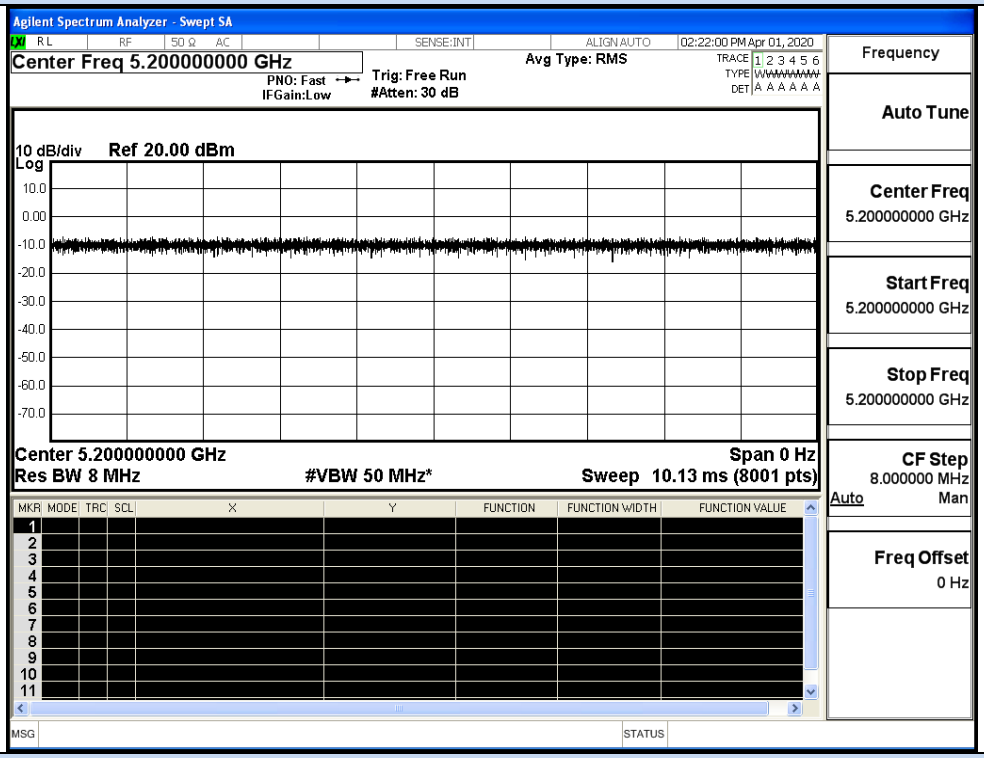
IEEE 802.11a



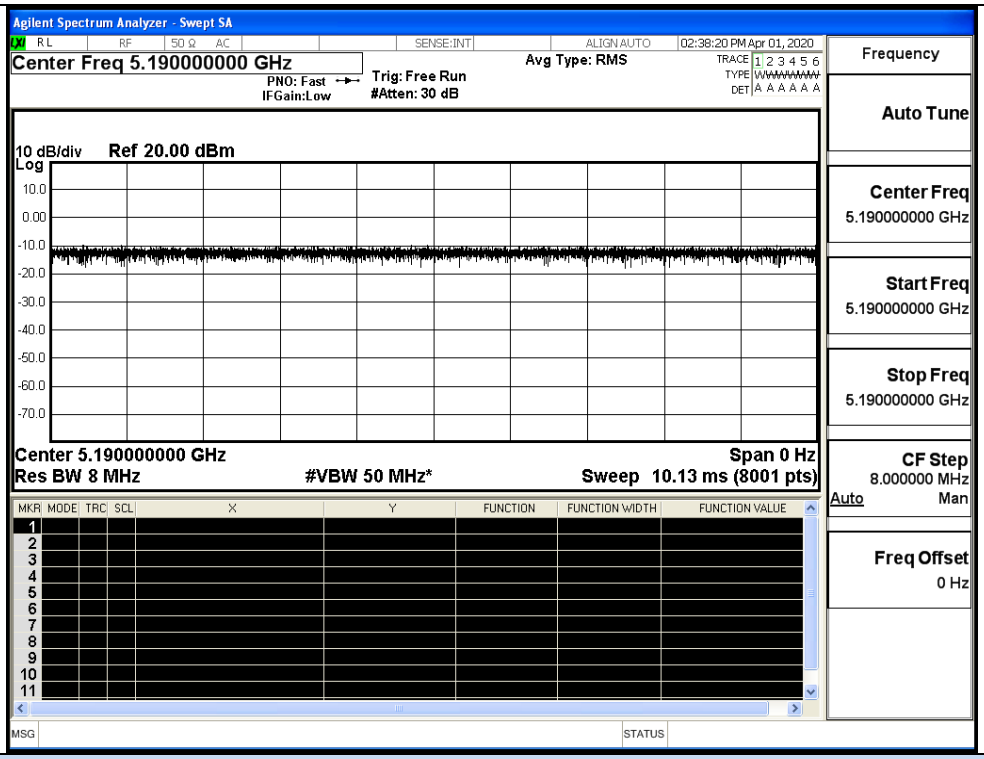
IEEE 802.11n HT20



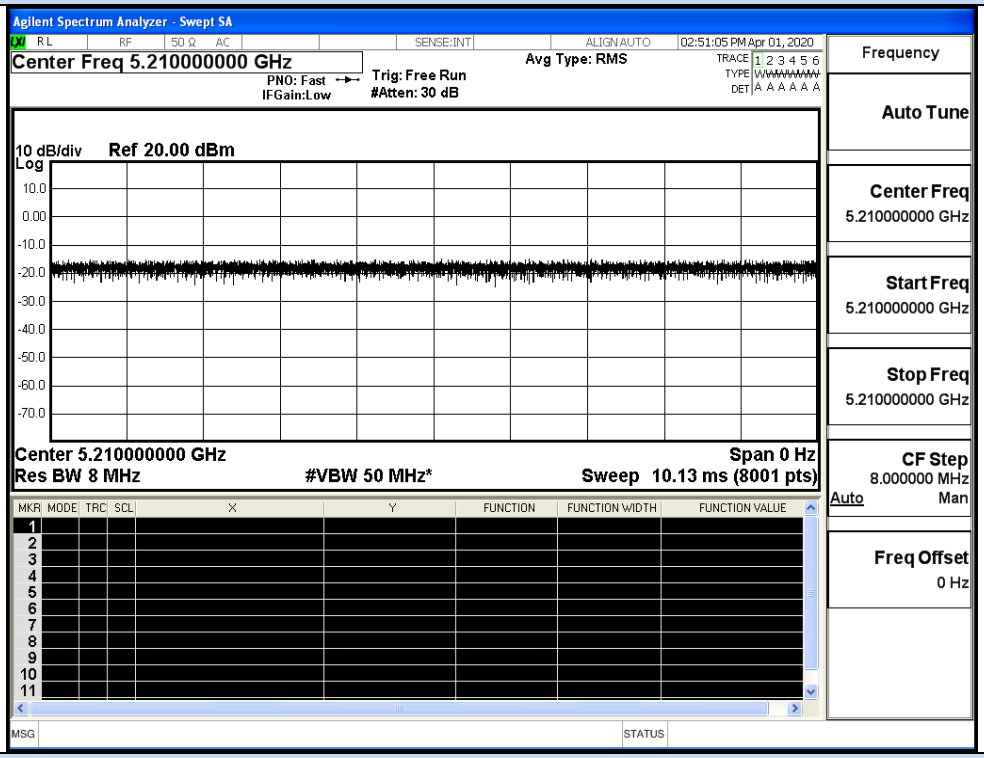
IEEE 802.11n HT40



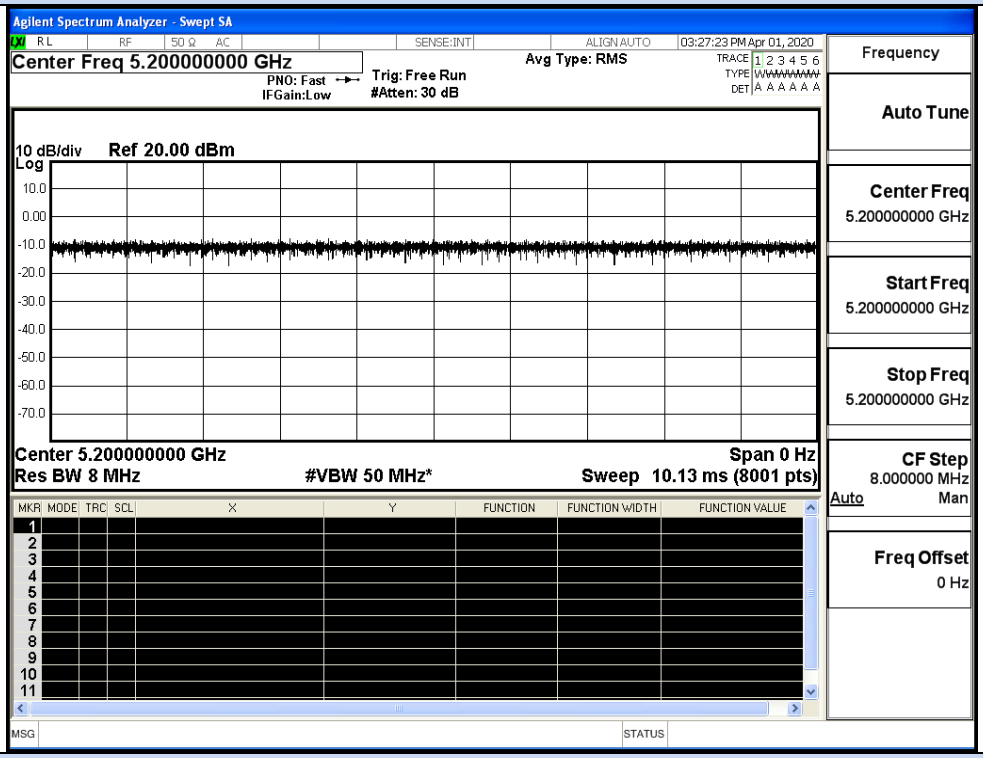
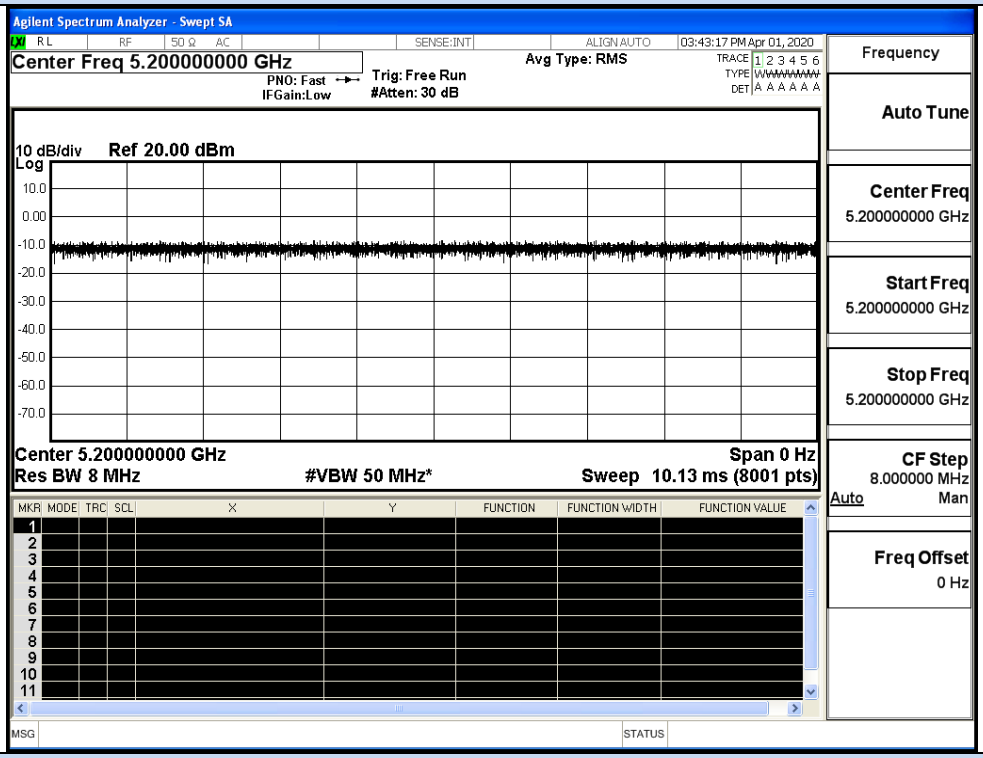
IEEE 802.11AC20

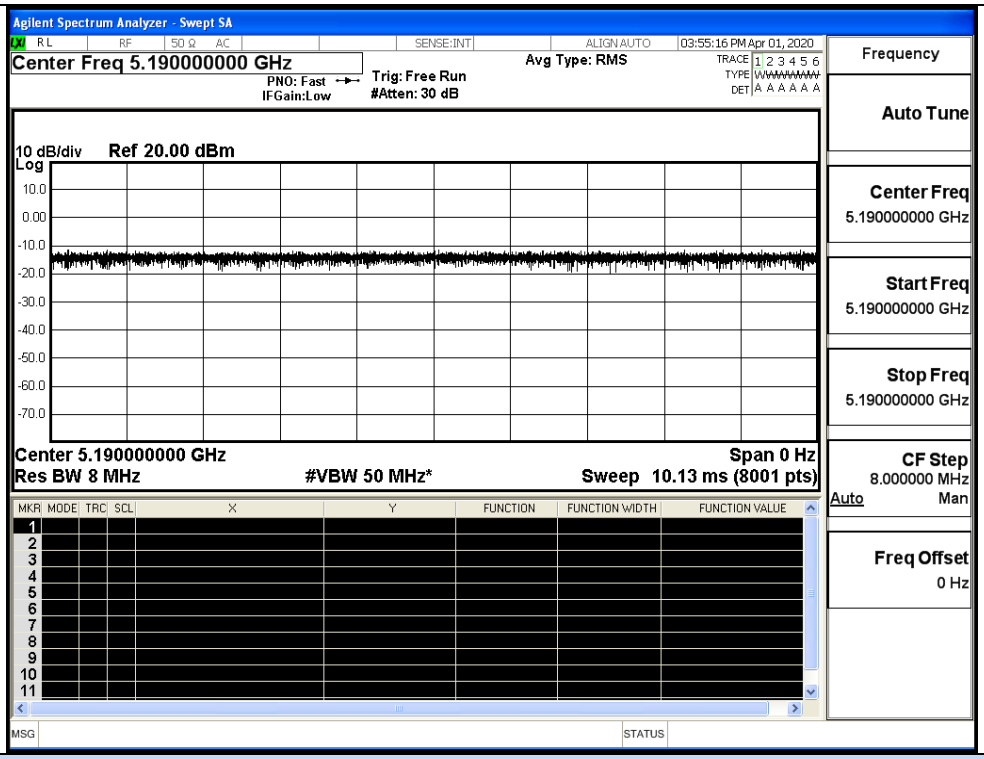


IEEE 802.11 AC40

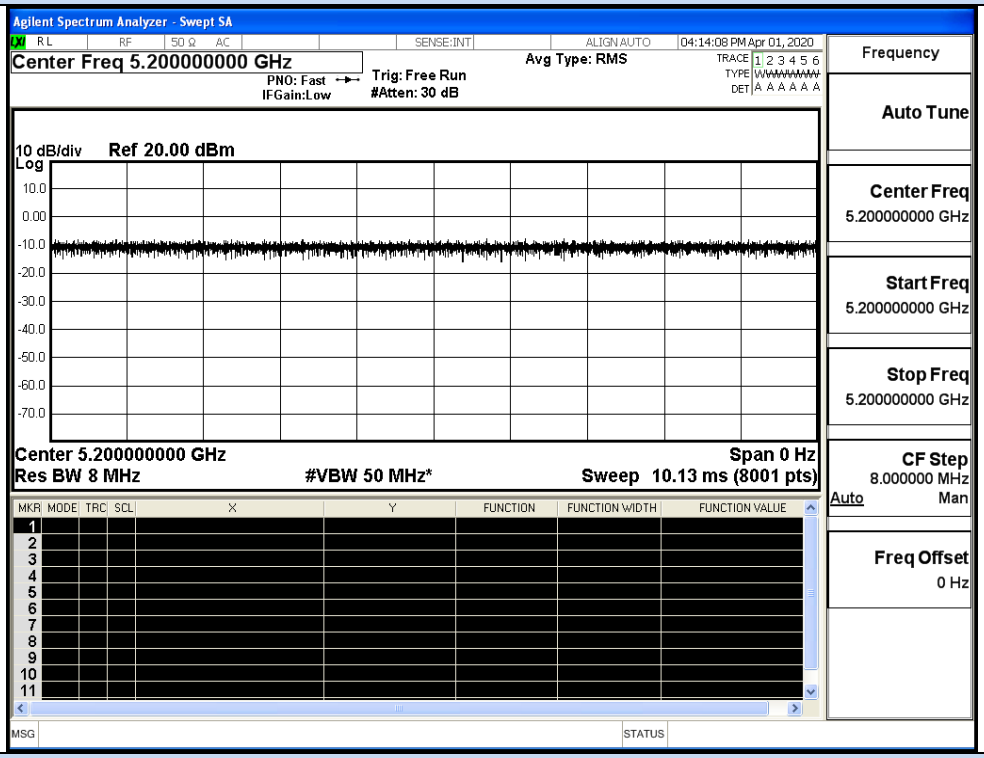


IEEE 802.11AC80

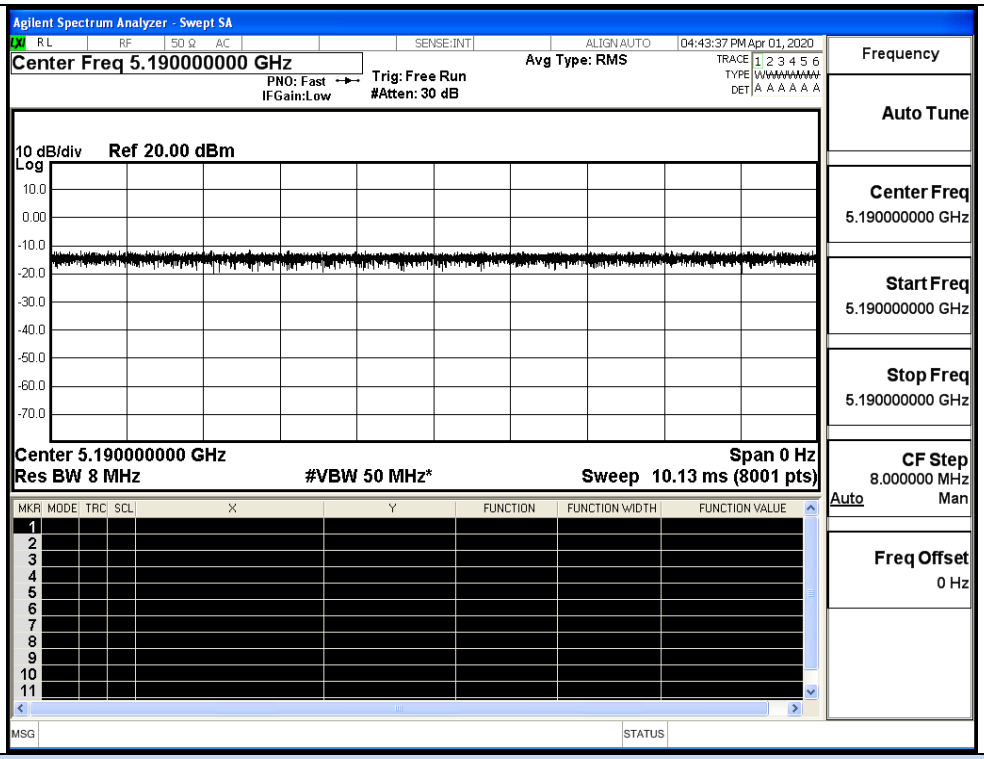
On Time and Duty Cycle_Ant_1

IEEE 802.11a

IEEE 802.11n HT20



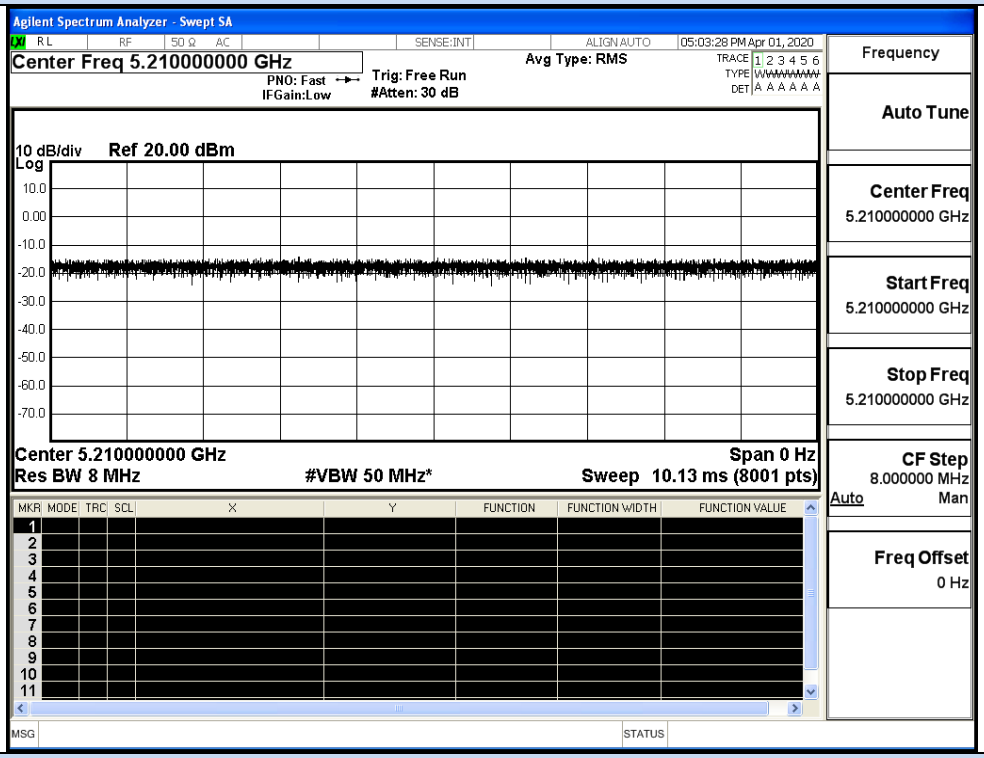
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11 AC40



IEEE 802.11AC80

D.2 Maximum Conduct Output Power

Ant_0

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	36	5180	6.29	0	6.29	24	Pass
	40	5200	7.03	0	7.03		Pass
	48	5240	7.77	0	7.77		Pass
11N20	36	5180	8.64	0	8.64	24	Pass
	40	5200	6.71	0	6.71		Pass
	48	5240	7.44	0	7.44		Pass
11N40	38	5190	6.82	0	6.82	24	Pass
	46	5230	7.47	0	7.47		Pass
11AC20	36	5180	7.49	0	7.49	24	Pass
	40	5200	7.97	0	7.97		Pass
	48	5240	8.73	0	8.73		Pass
11AC40	38	5190	8.14	0	8.14	24	Pass
	46	5230	9.13	0	9.13		Pass
11AC80	42	5210	6.07	0	6.07	24	Pass

Ant_1

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	36	5180	5.84	0	5.84	24	Pass
	40	5200	6.6	0	6.6		Pass
	48	5240	7.69	0	7.69		Pass
11N20	36	5180	5.87	0	5.87	24	Pass
	40	5200	6.54	0	6.54		Pass
	48	5240	8.17	0	8.17		Pass
11N40	38	5190	6.31	0	6.31	24	Pass
	46	5230	7.44	0	7.44		Pass
11AC20	36	5180	6.13	0	6.13	24	Pass
	40	5200	6.72	0	6.72		Pass
	48	5240	7.79	0	7.79		Pass
11AC40	38	5190	6.26	0	6.26	24	Pass
	46	5230	7.48	0	7.48		Pass
11AC80	42	5210	6.18	0	6.18	24	Pass

Combined Ant_0 and Ant_1

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)			Duty Cycle Factor (dB)	Report Conducted Power (dBm)			Limit (dBm)
			Ant_0	Ant_1	Sum		Ant_0	Ant_1	Sum	
11N20	36	5180	8.64	5.87	10.48	0	8.64	5.87	10.48	24
	40	5200	6.71	6.54	9.64	0	6.71	6.54	9.64	
	48	5240	7.44	8.17	10.83	0	7.44	8.17	10.83	
11N40	38	5190	6.82	6.31	9.58	0	6.82	6.31	9.58	24
	46	5230	7.47	7.44	10.47	0	7.47	7.44	10.47	
11AC20	36	5180	7.49	6.13	9.87	0	7.49	6.13	9.87	24
	40	5200	7.97	6.72	10.40	0	7.97	6.72	10.40	
	48	5240	8.73	7.79	11.30	0	8.73	7.79	11.30	
11AC40	38	5190	8.14	6.26	10.31	0	8.14	6.26	10.31	24
	46	5230	9.13	7.48	11.39	0	9.13	7.48	11.39	
11AC80	42	5210	6.07	6.18	9.14	0	6.07	6.18	9.14	24

B.3 Power Spectral Density

Ant_0

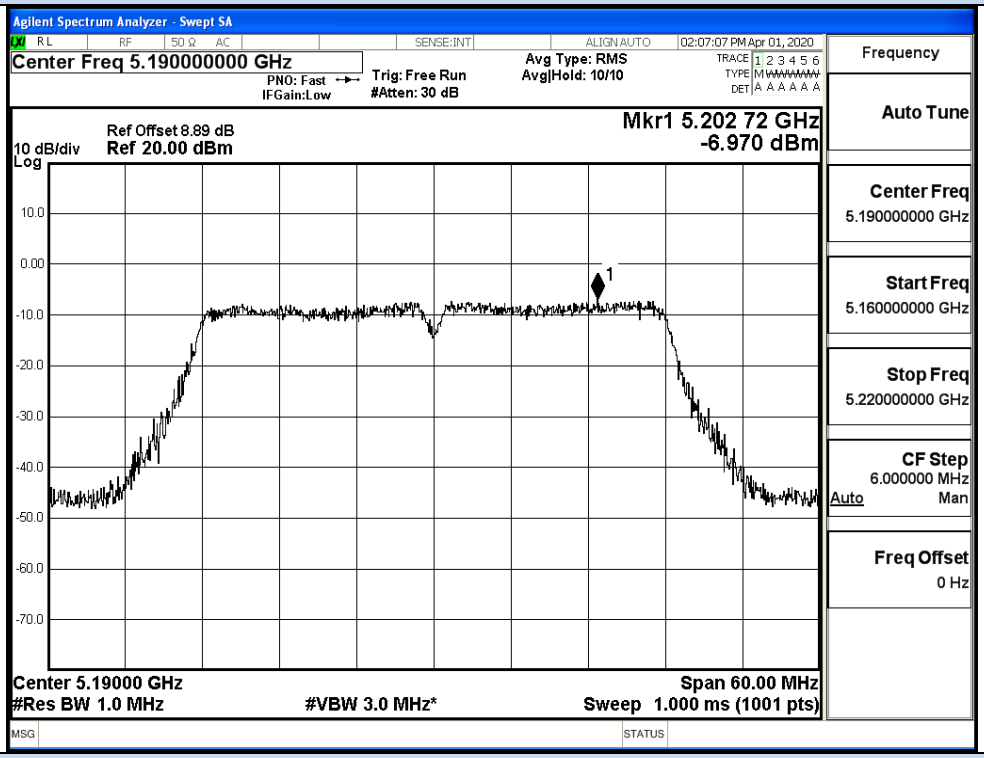
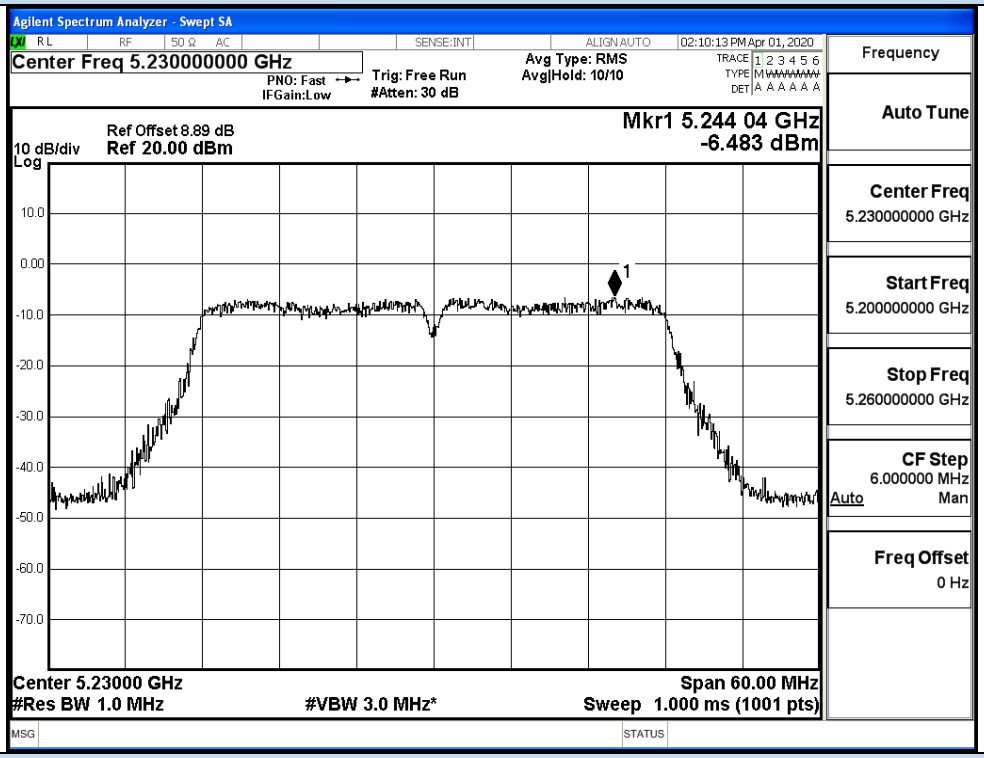
Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Cycle Factor(dB)	Report Power Density (dBm/MHz)	Limit (dBm/MHz)	Verdict
11A	36	5180	-4.16	0	-4.16	11	Pass
	40	5200	-3.67	0	-3.67		Pass
	48	5240	-2.97	0	-2.97		Pass
11N20	36	5180	-2.39	0	-2.39	11	Pass
	40	5200	-3.90	0	-3.90		Pass
	48	5240	-3.32	0	-3.32		Pass
11N40	38	5190	-6.97	0	-6.97	11	Pass
	46	5230	-6.48	0	-6.48		Pass
11AC20	36	5180	-3.48	0	-3.48	11	Pass
	40	5200	-3.09	0	-3.09		Pass
	48	5240	-2.05	0	-2.05		Pass
11AC40	38	5190	-5.86	0	-5.86	11	Pass
	46	5230	-4.93	0	-4.93		Pass
11AC80	42	5210	-9.56	0	-9.56	11	Pass

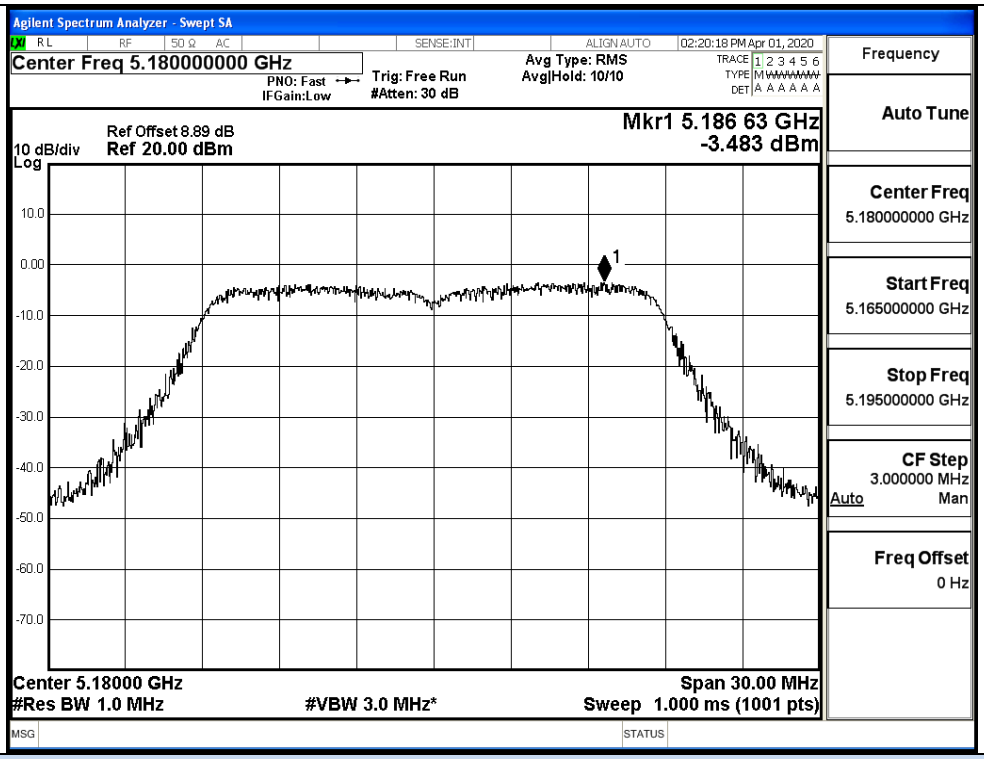
Ant_1

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Cycle Factor(dB)	Report Power Density (dBm/MHz)	Limit (dBm/MHz)	Verdict
11A	36	5180	-4.66	0	-4.66	11	Pass
	40	5200	-3.85	0	-3.85		Pass
	48	5240	-3.07	0	-3.07		Pass
11N20	36	5180	-4.98	0	-4.98	11	Pass
	40	5200	-4.43	0	-4.43		Pass
	48	5240	-2.63	0	-2.63		Pass
11N40	38	5190	-7.34	0	-7.34	11	Pass
	46	5230	-6.34	0	-6.34		Pass
11AC20	36	5180	-4.61	0	-4.61	11	Pass
	40	5200	-3.81	0	-3.81		Pass
	48	5240	-2.61	0	-2.61		Pass
11AC40	38	5190	-7.33	0	-7.33	11	Pass
	46	5230	-6.19	0	-6.19		Pass
11AC80	42	5210	-8.70	0	-8.70	11	Pass

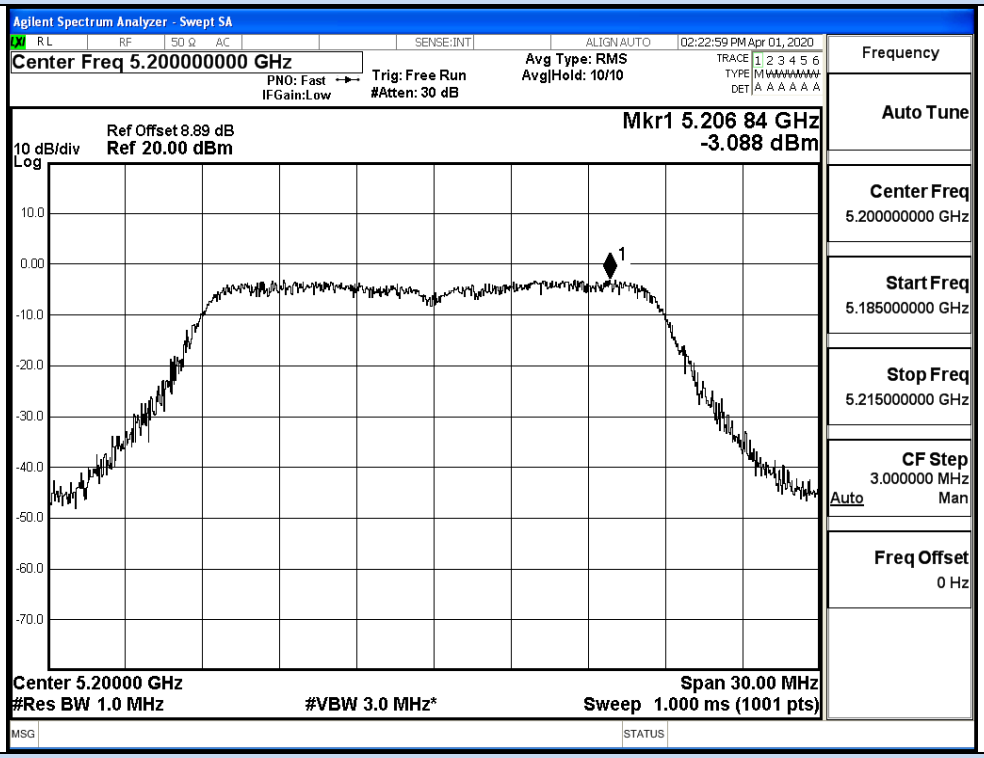
Combined Ant_0 and Ant_1

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)			Duty Cycle Factor (dB)	Report Power Density (dBm/MHz)			Limit (dBm/MHz)
			Ant_0	Ant_1	Sum		Ant_0	Ant_1	Sum	
11N20	36	5180	-2.39	-4.98	-0.48	0	-2.39	-4.98	-0.48	11
	40	5200	-3.90	-4.43	-1.15	0	-3.90	-4.43	-1.15	
	48	5240	-3.32	-2.63	0.05	0	-3.32	-2.63	0.05	
11N40	38	5190	-6.97	-7.34	-4.14	0	-6.97	-7.34	-4.14	11
	46	5230	-6.48	-6.34	-3.40	0	-6.48	-6.34	-3.40	
11AC20	36	5180	-3.48	-4.61	-1.00	0	-3.48	-4.61	-1.00	11
	40	5200	-3.09	-3.81	-0.42	0	-3.09	-3.81	-0.42	
	48	5240	-2.05	-2.61	0.69	0	-2.05	-2.61	0.69	
11AC40	38	5190	-5.86	-7.33	-3.52	0	-5.86	-7.33	-3.52	11
	46	5230	-4.93	-6.19	-2.50	0	-4.93	-6.19	-2.50	
11AC80	42	5210	-9.56	-8.70	-6.10	0	-9.56	-8.70	-6.10	11

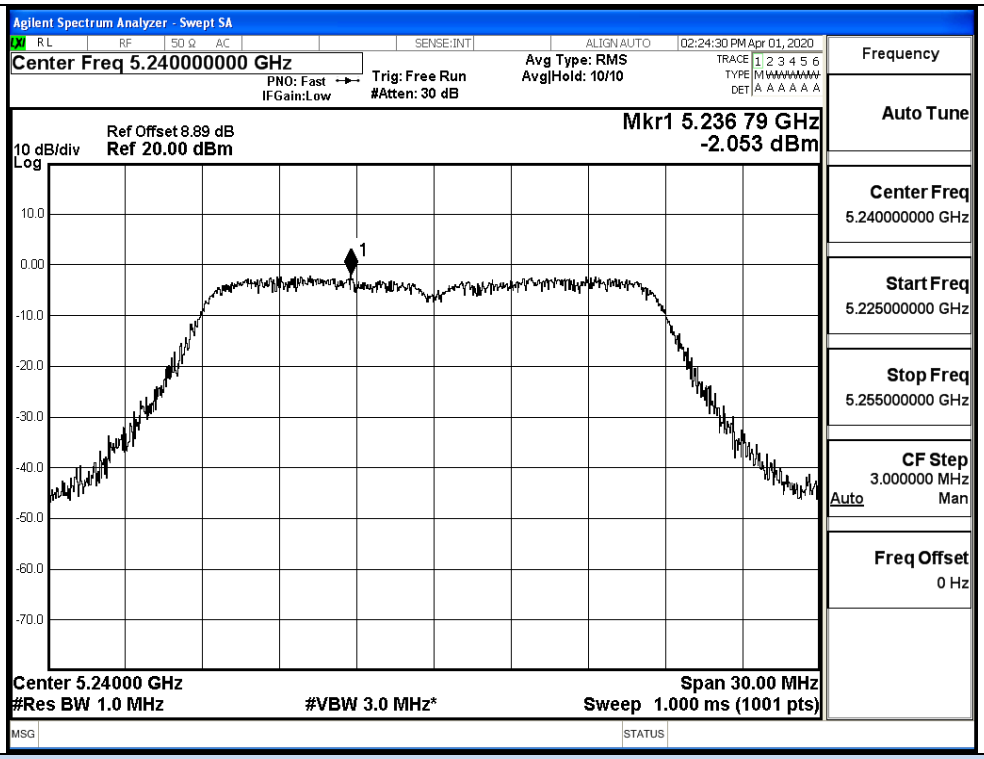
Power Spectral Density_Ant_0

IEEE 802.11n40 / Channel 38 / 5190MHz

IEEE 802.11n40 / Channel 46 / 5230MHz



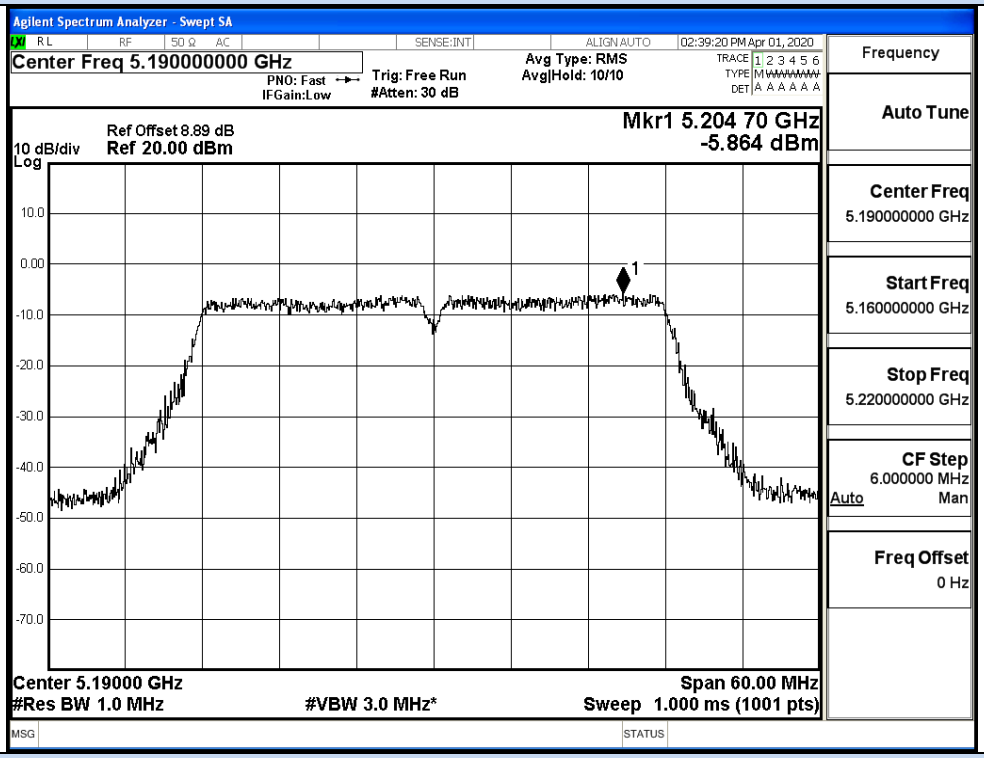
IEEE 802.11ac20 / Channel 36 / 5180MHz



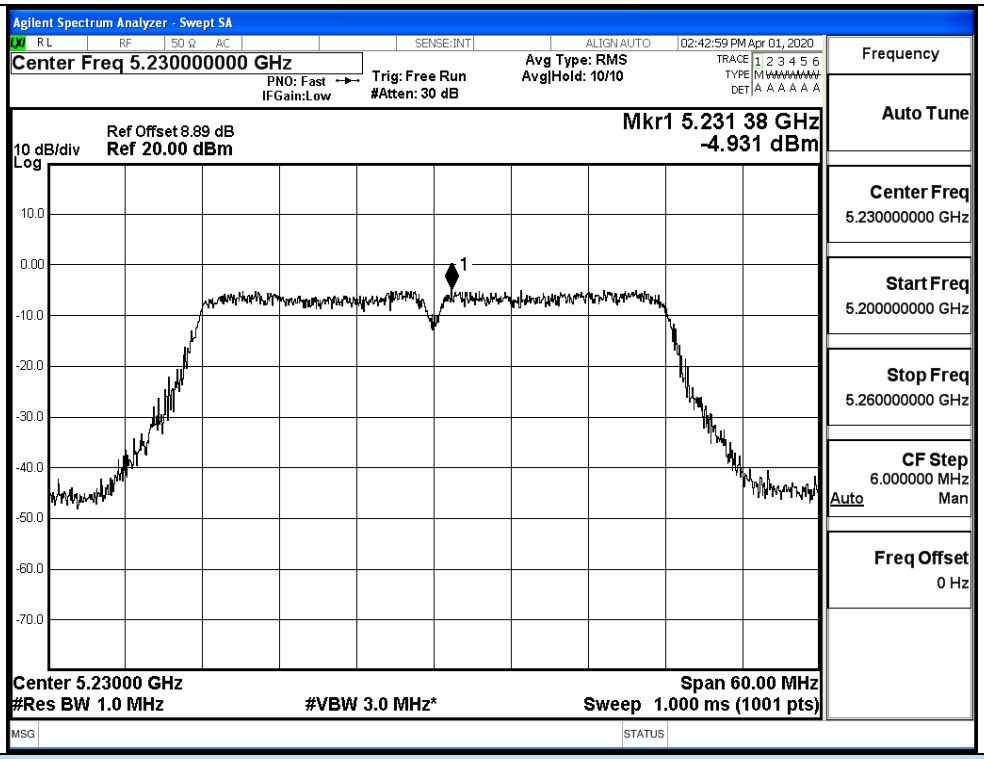
IEEE 802.11ac20 / Channel 40 / 5200MHz



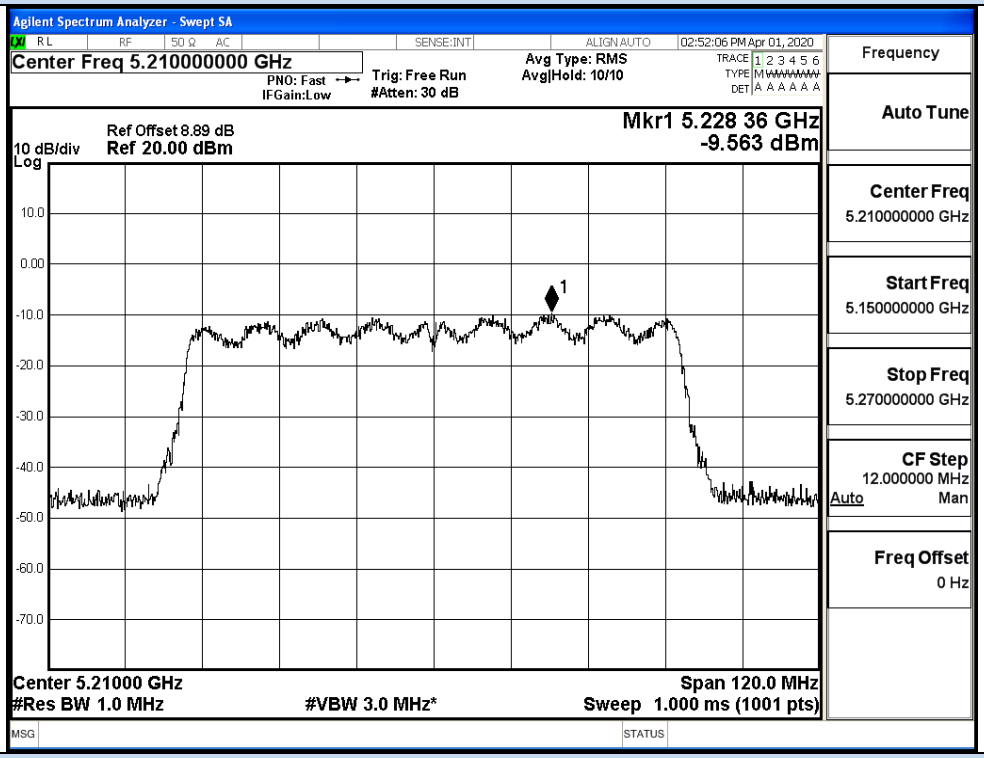
IEEE 802.11ac20 / Channel 48 / 5240MHz



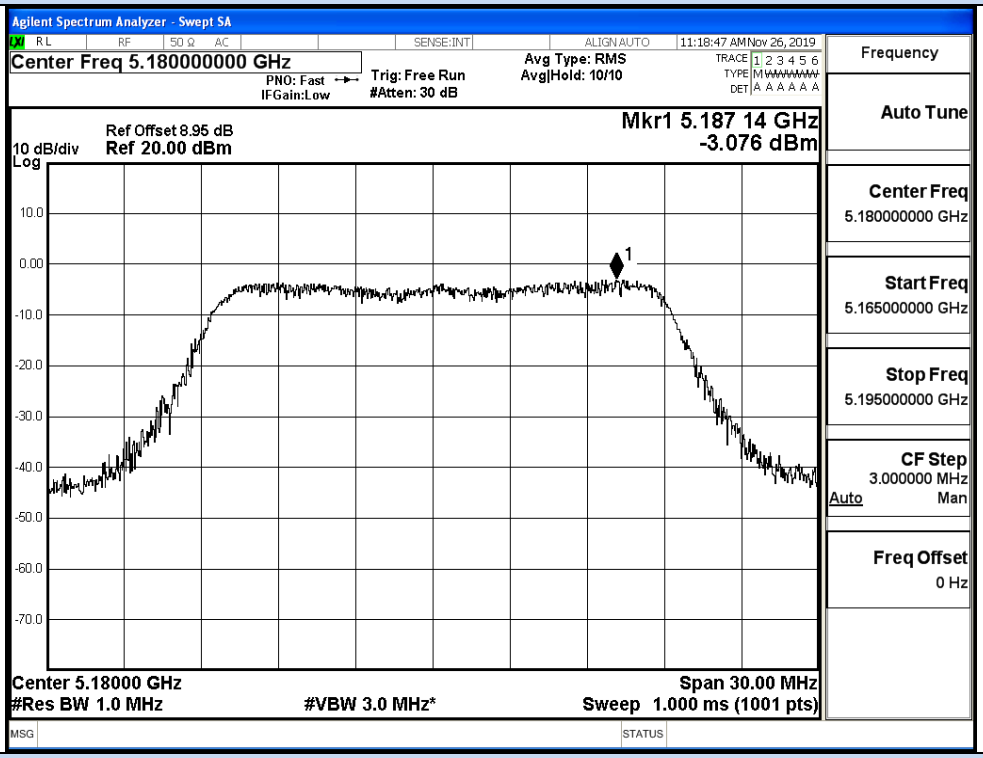
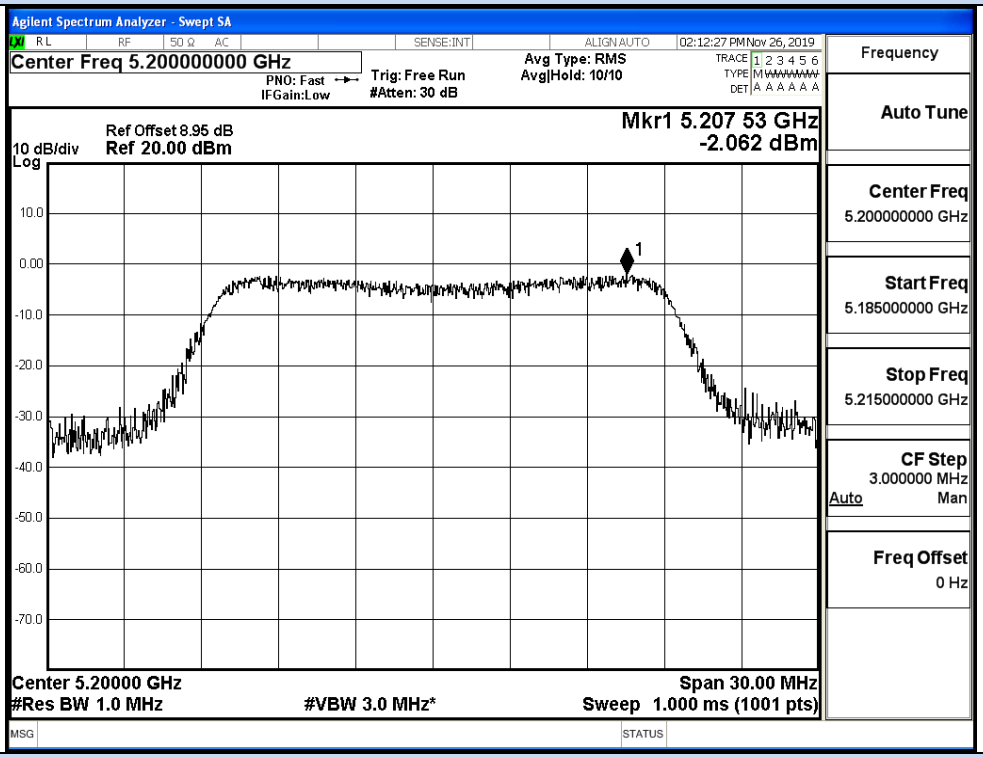
IEEE 802.11ac40 / Channel 38 / 5190MHz

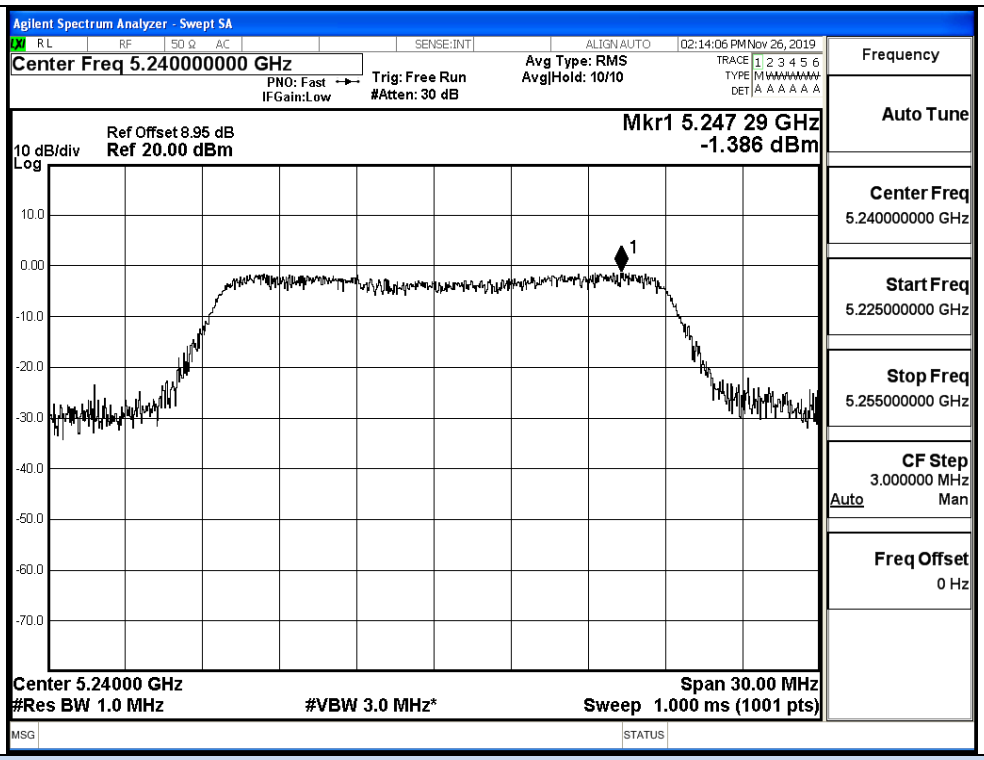


IEEE 802.11ac40 / Channel 46 / 5230MHz

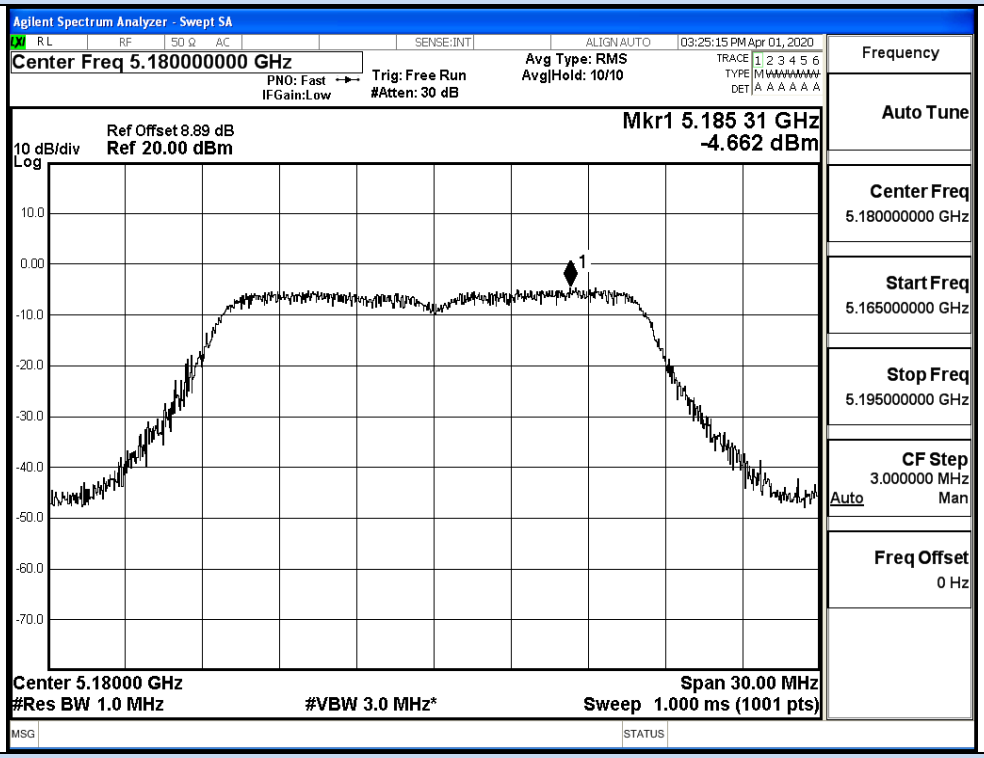
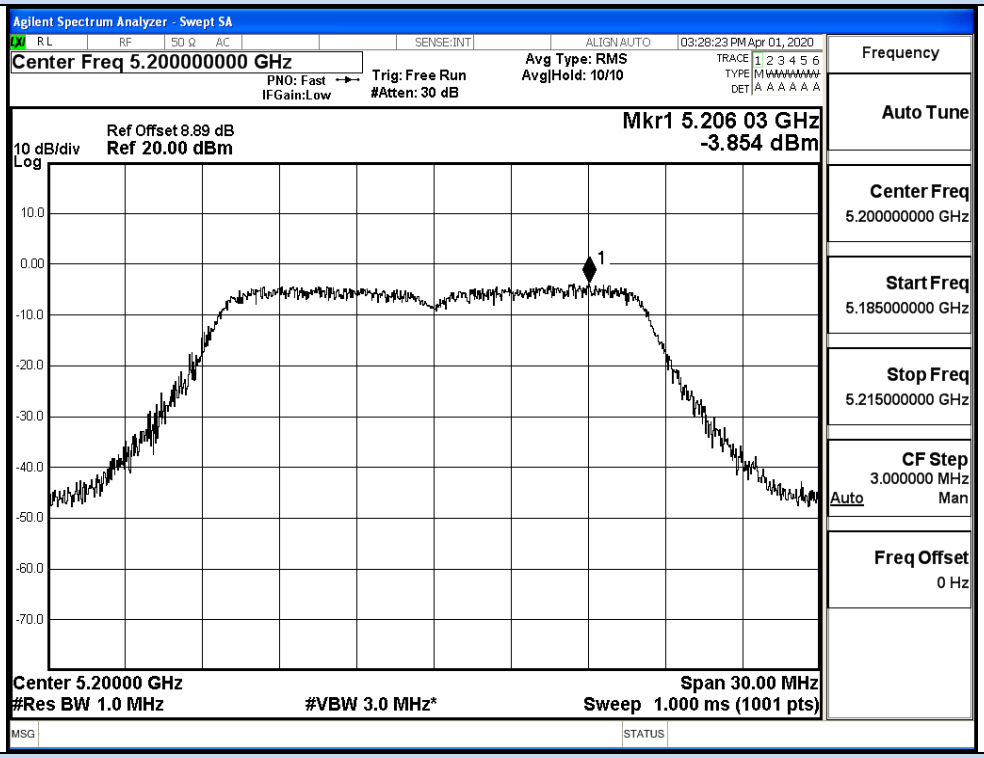


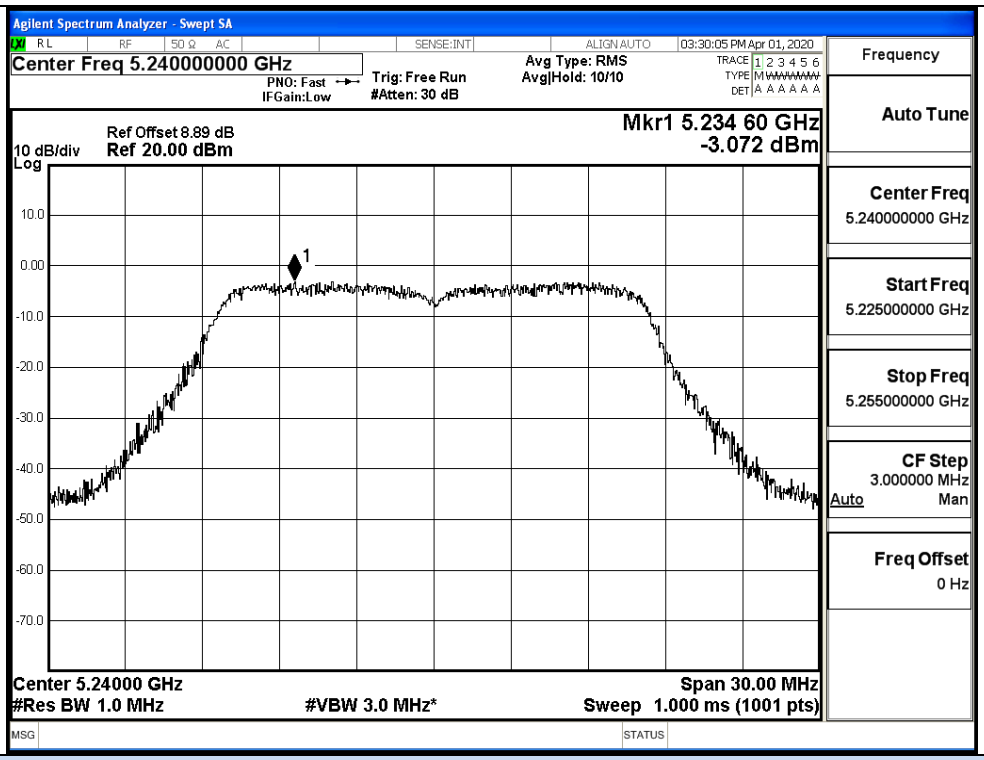
IEEE 802.11ac80 / Channel 42 / 5210MHz

Power Spectral Density_Ant_1

IEEE 802.11a / Channel 36 / 5180MHz_Ant_1

IEEE 802.11a / Channel 40 / 5200MHz_Ant_1

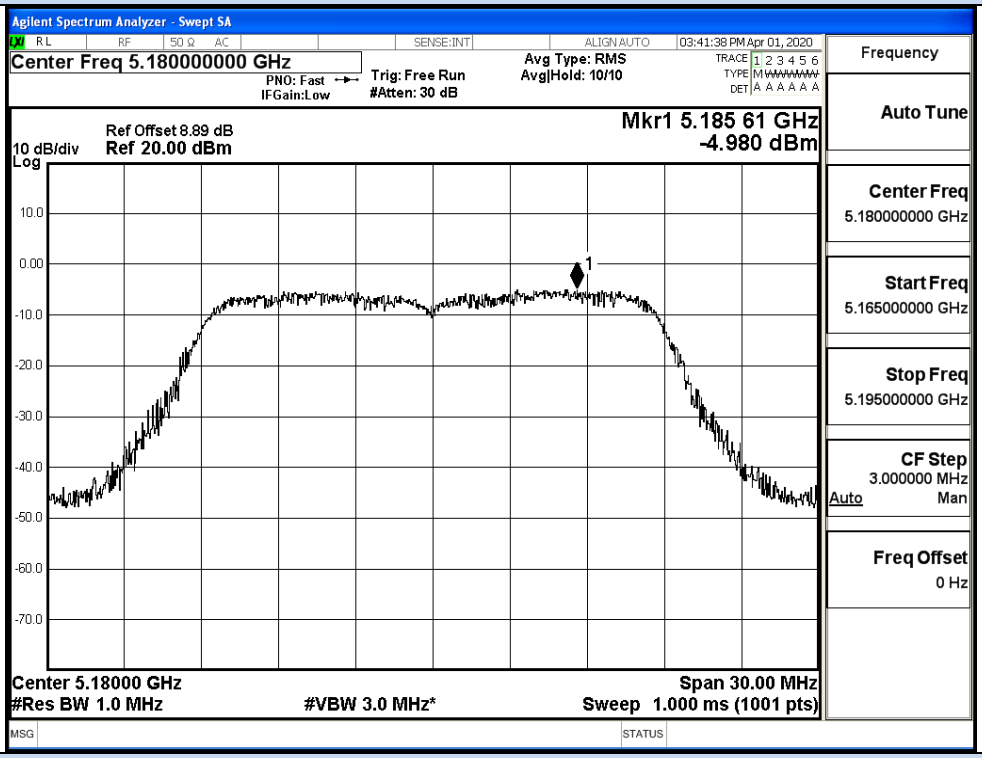
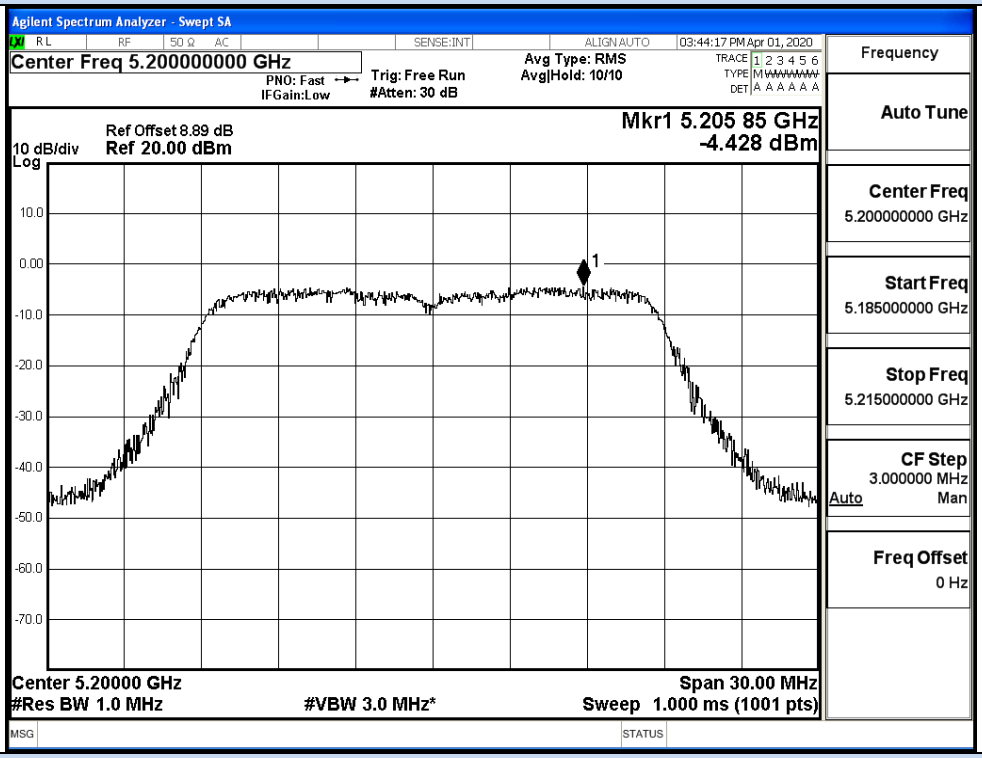


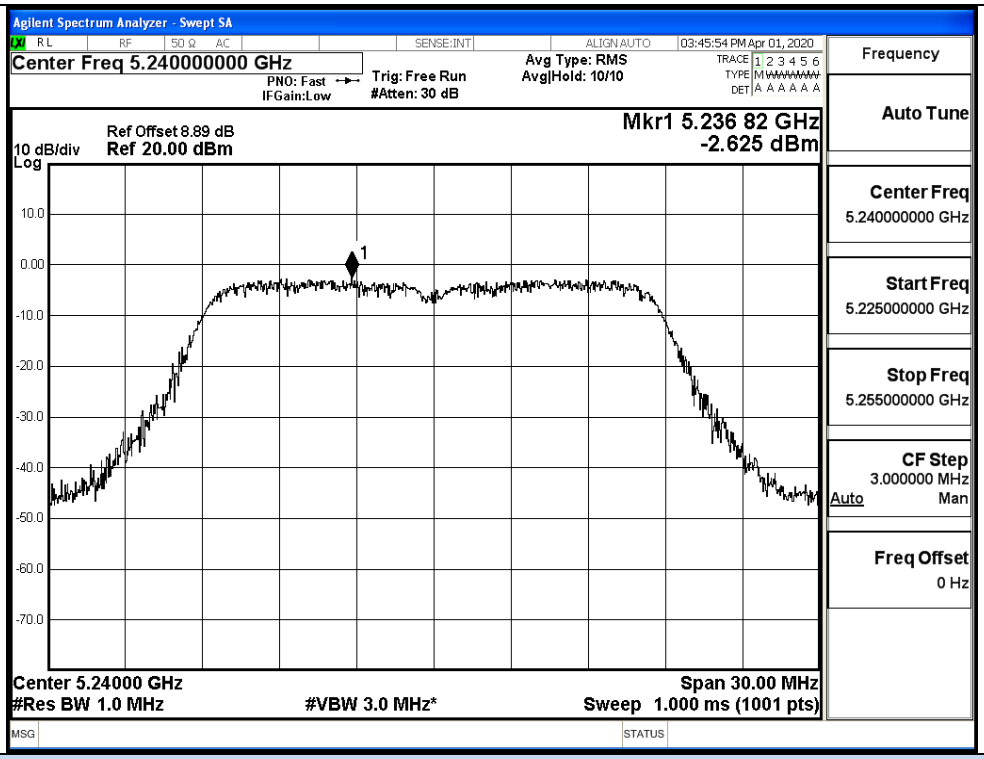
IEEE 802.11a / Channel 48 / 5240MHz_Ant_1

Power Spectral Density_Ant_1

IEEE 802.11a / Channel 36 / 5180MHz

IEEE 802.11na / Channel 40 / 5200MHz

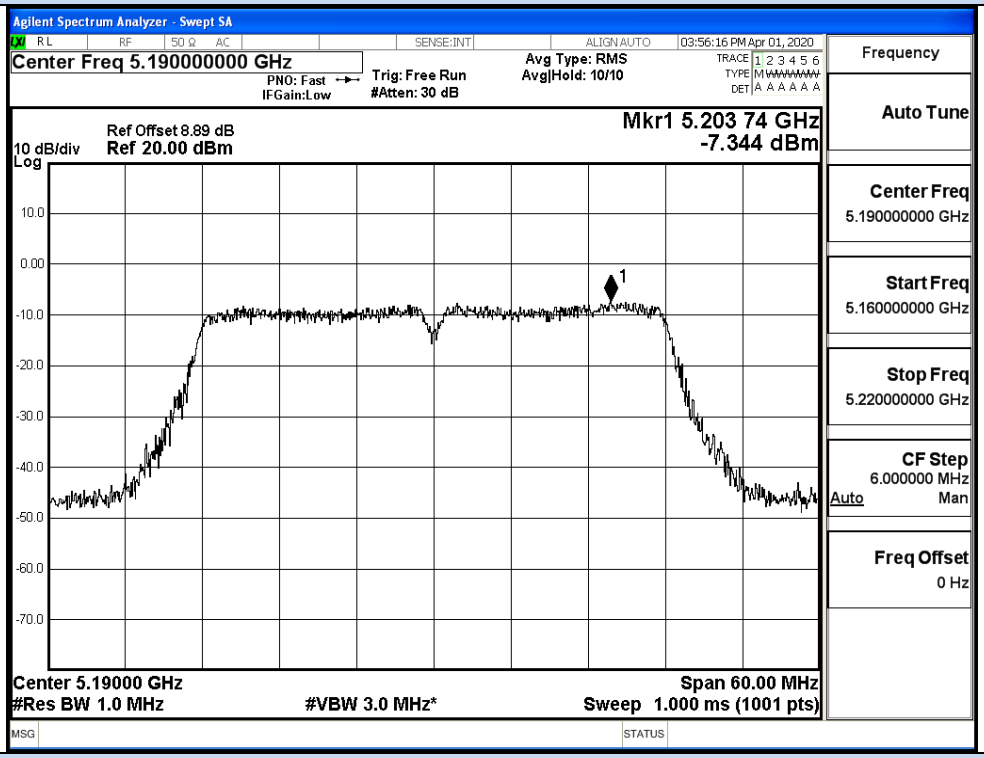


IEEE 802.11na / Channel 48 / 5240MHz

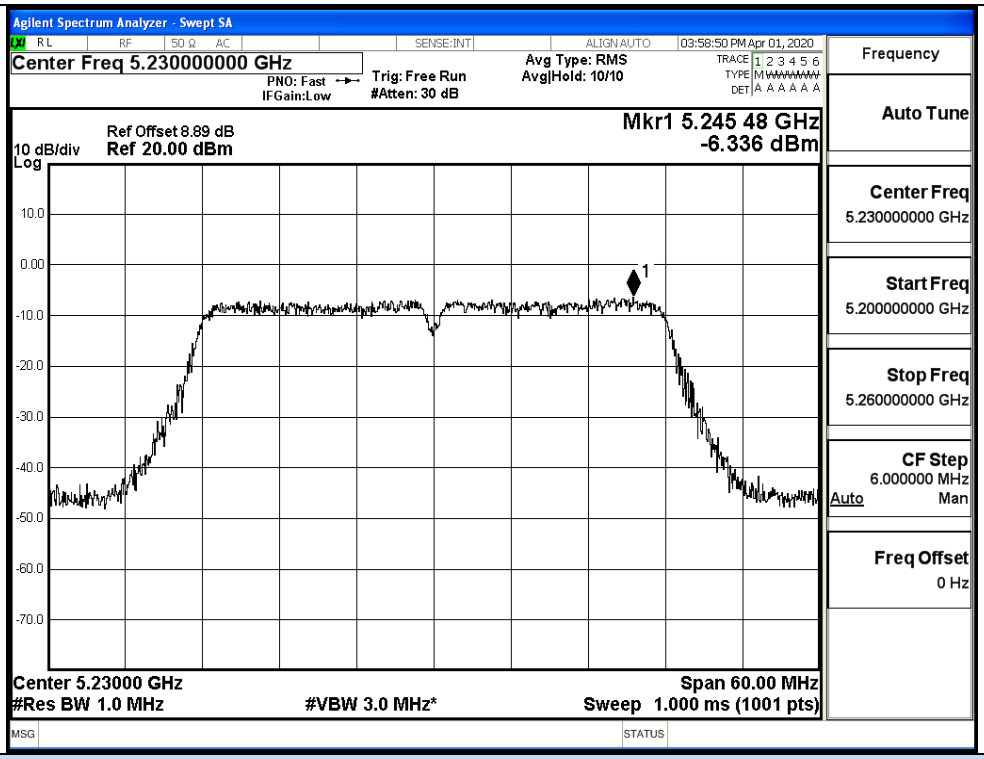
Power Spectral Density

IEEE 802.11n20 / Channel 36 / 5180MHz

IEEE 802.11n20 / Channel 40 / 5200MHz



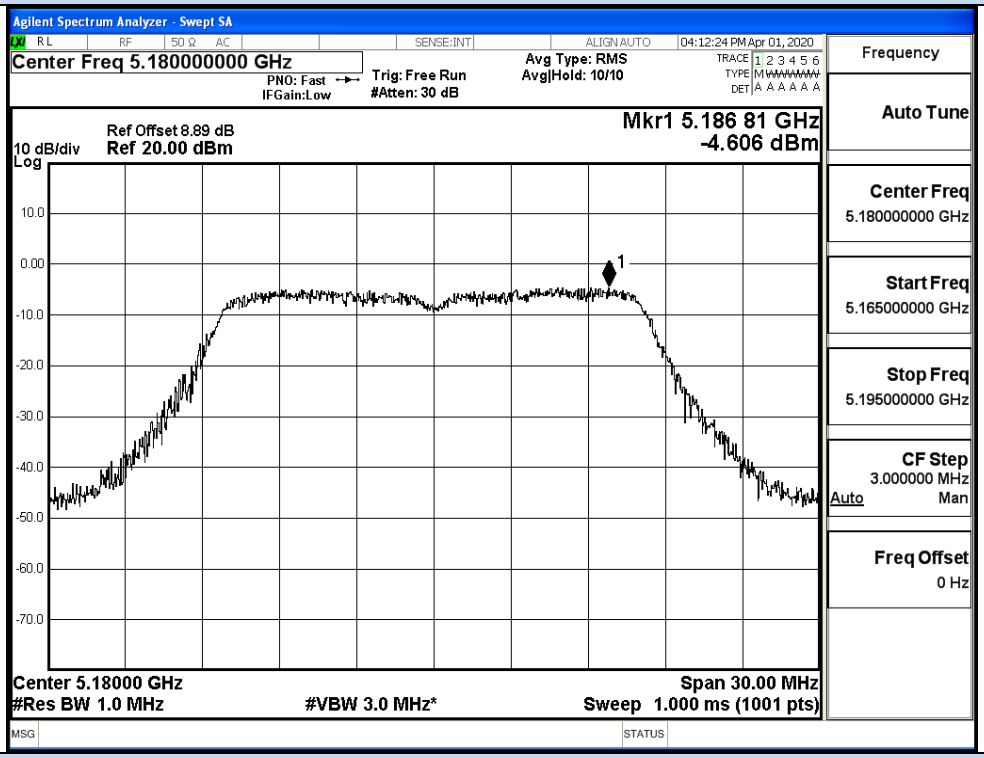
IEEE 802.11n20 / Channel 48 / 5240MHz



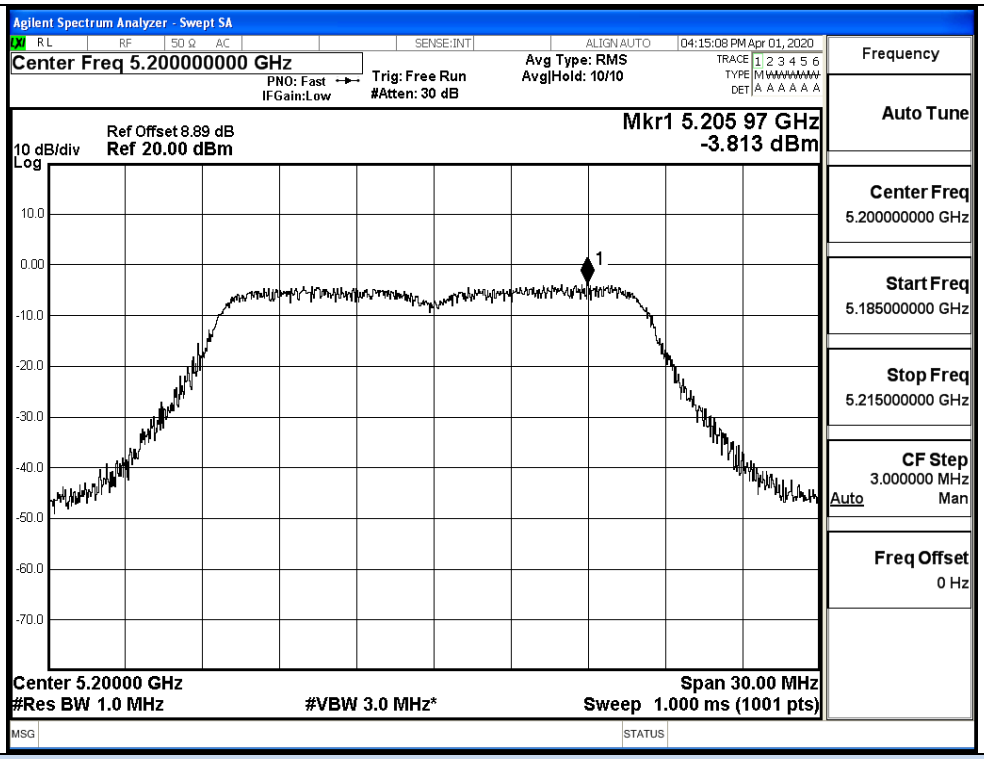
IEEE 802.11n40 / Channel 38 / 5190MHz



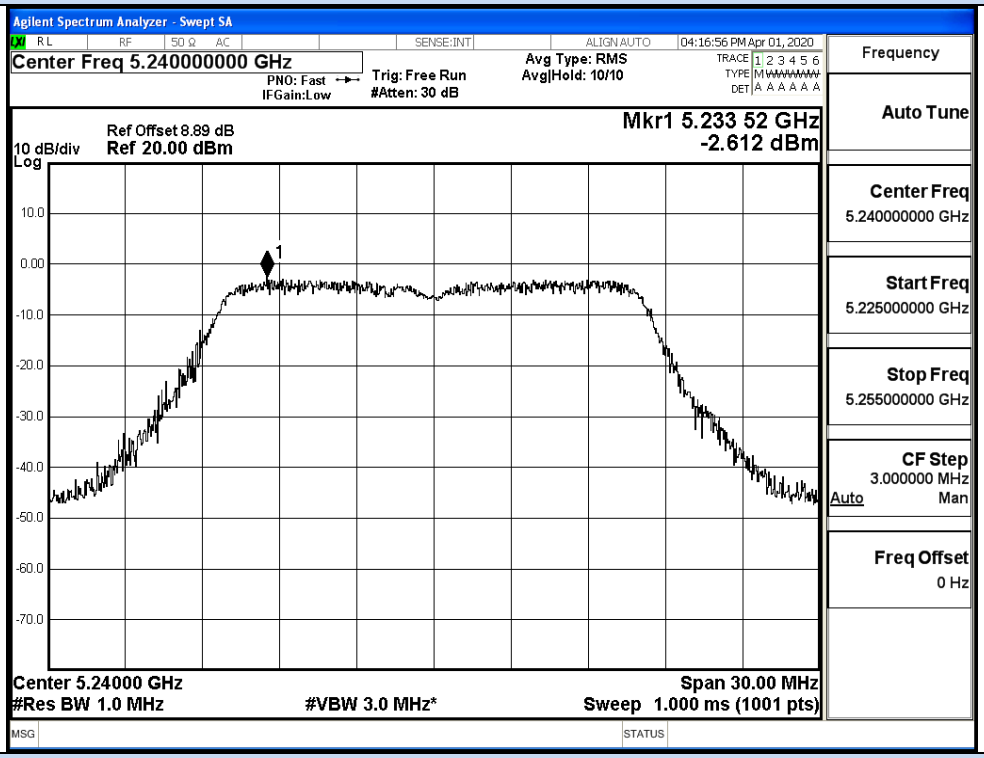
IEEE 802.11n40 / Channel 46 / 5230MHz



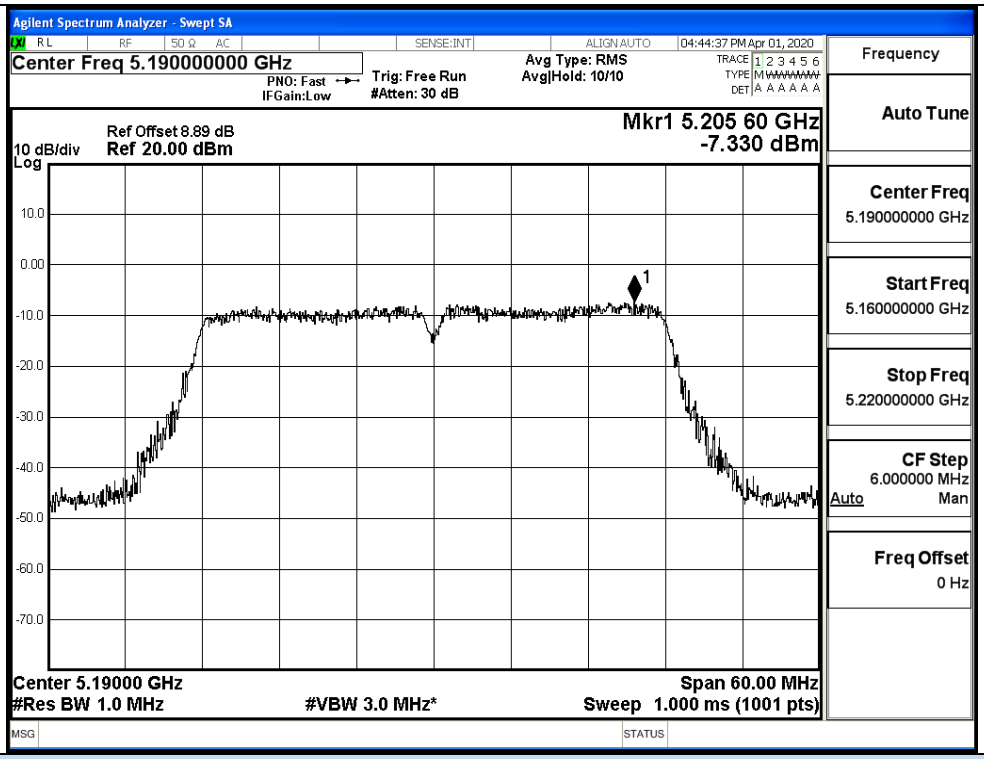
IEEE 802.11ac20 / Channel 36 / 5180MHz



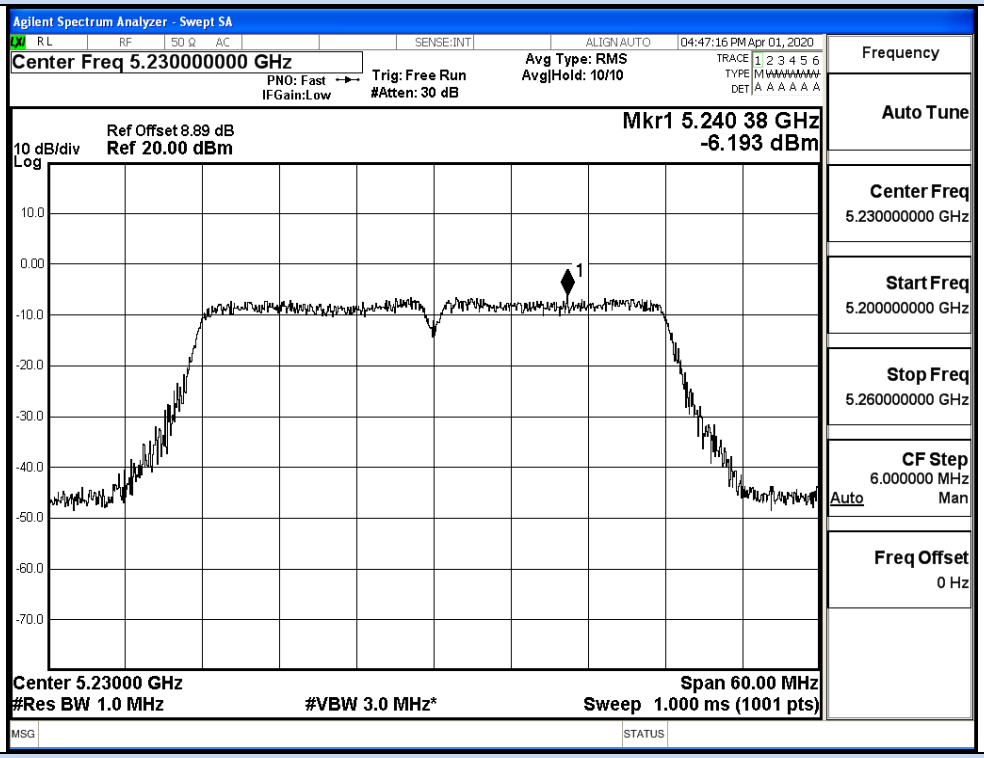
IEEE 802.11ac20 / Channel 40 / 5200MHz



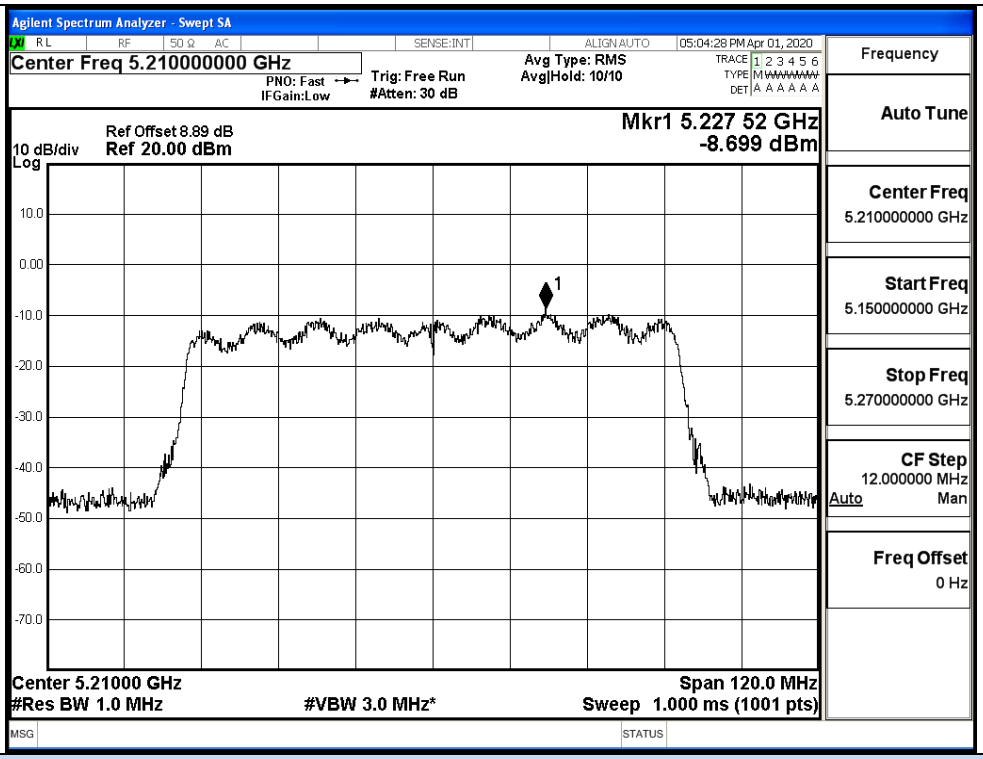
IEEE 802.11ac20 / Channel 48 / 5240MHz



IEEE 802.11ac40 / Channel 38 / 5190MHz



IEEE 802.11ac40 / Channel 46 / 5230MHz

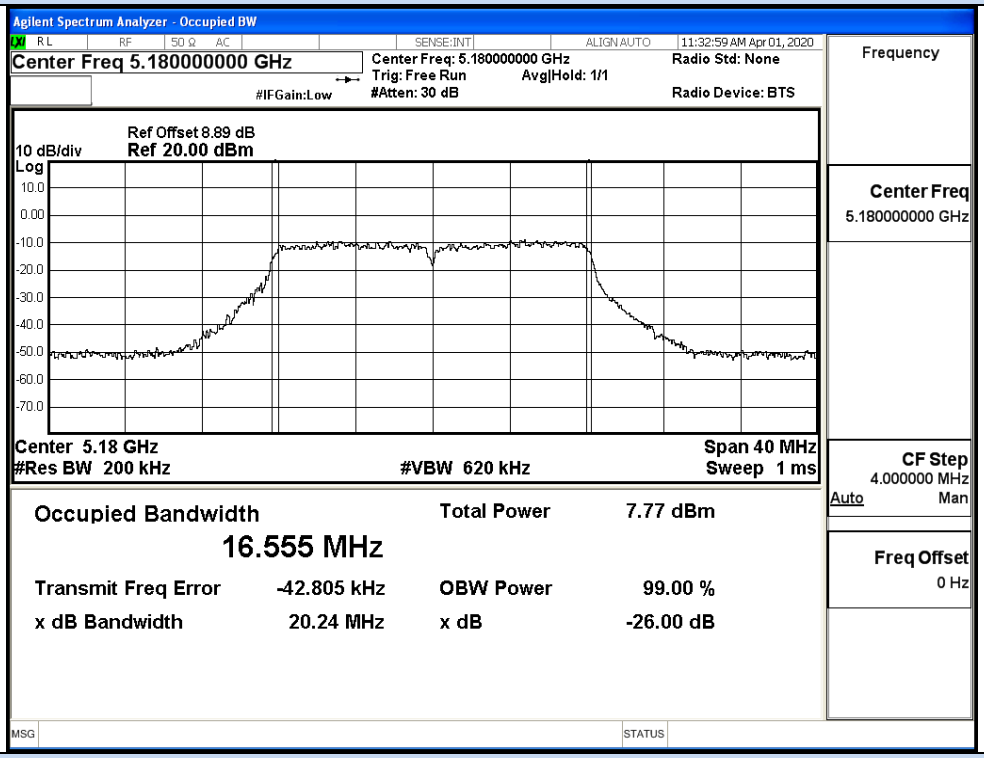


IEEE 802.11ac80 / Channel 42 / 5210MHz

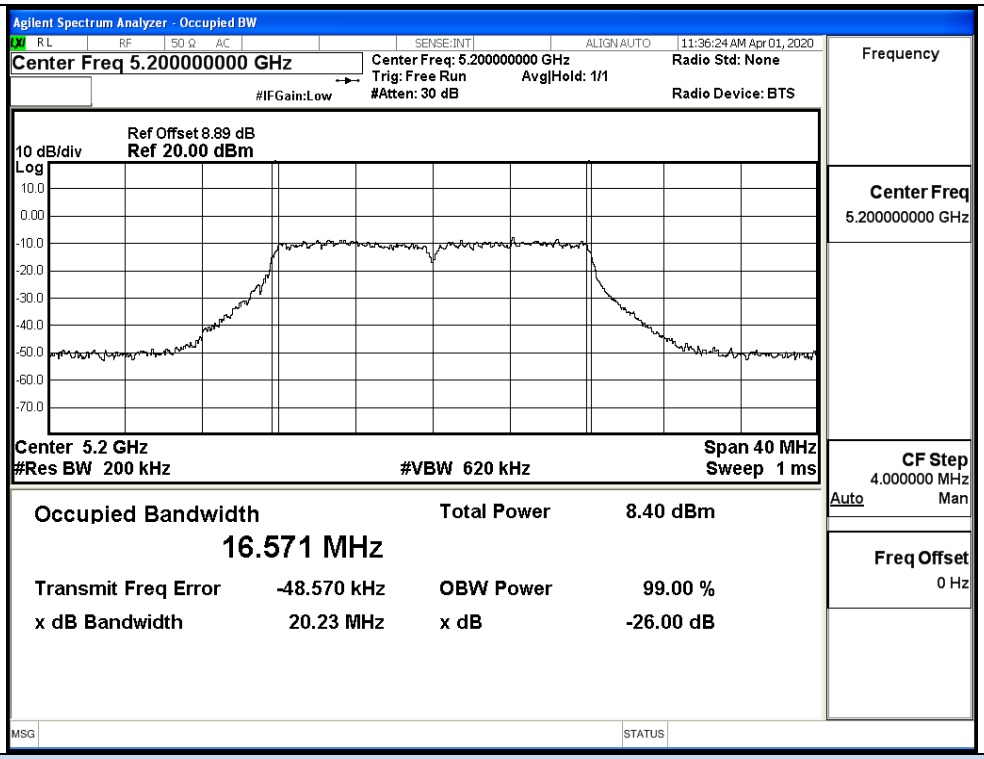
B.4 Emission Bandwidth

Test Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)	Verdict
			Ant_0	Ant_1		
11A	36	5180	20.24	19.68	No Limit	Pass
	40	5200	20.23	19.82		Pass
	48	5240	20.04	19.69		Pass
11N20	36	5180	21.09	20.40	No Limit	Pass
	40	5200	20.06	20.49		Pass
	48	5240	20.12	20.28		Pass
11N40	38	5190	43.17	42.34	No Limit	Pass
	46	5230	43.03	42.08		Pass
11AC20	36	5180	20.78	19.50	No Limit	Pass
	40	5200	21.03	19.56		Pass
	48	5240	20.96	19.48		Pass
11AC40	38	5190	42.43	42.38	No Limit	Pass
	46	5230	43.24	41.63		Pass
11AC80	42	5210	83.13	81.79	No Limit	Pass

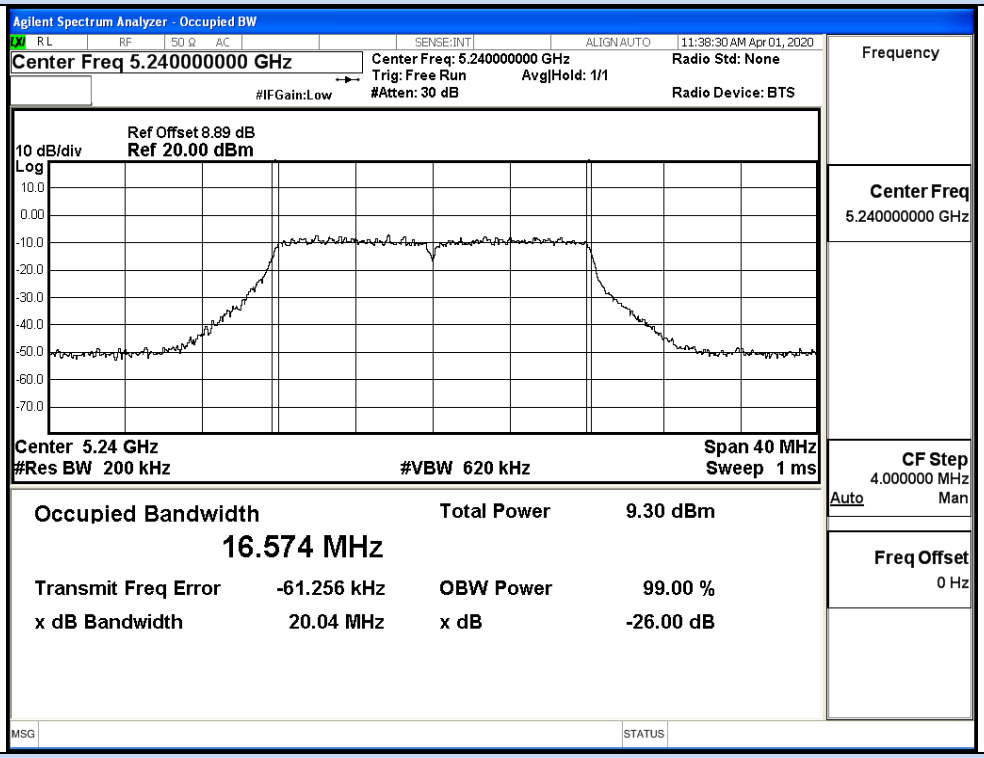
26dB Bandwidth_Ant_0



IEEE 802.11a / Channel 36 / 5180MHz

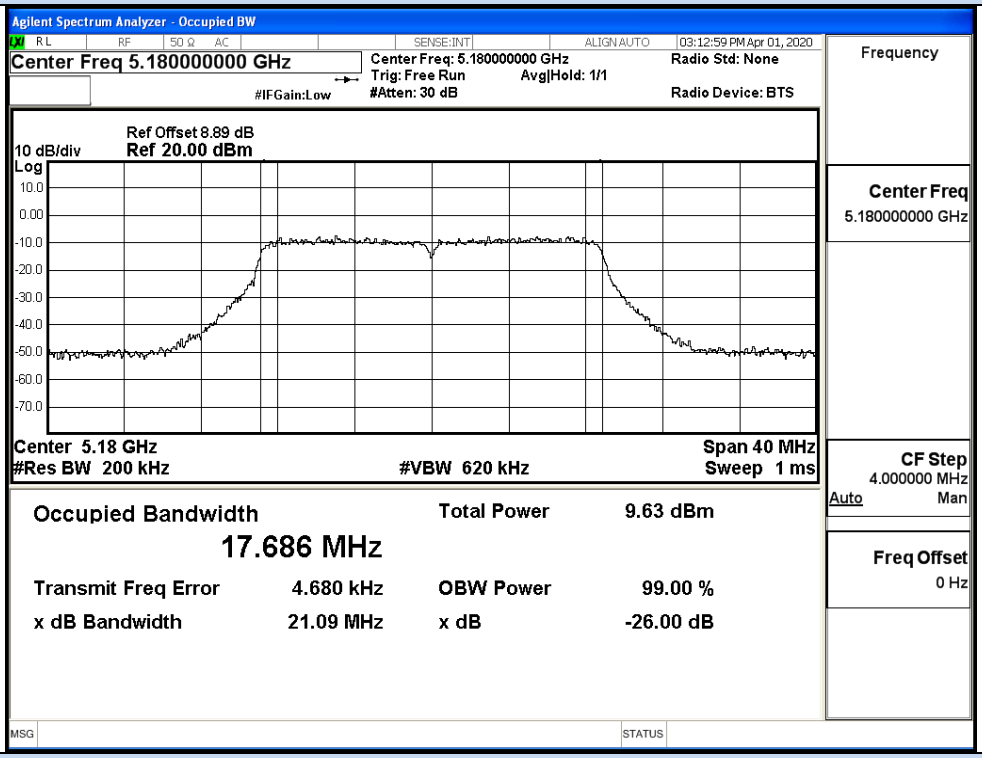


IEEE 802.11a / Channel 40 / 5200MHz

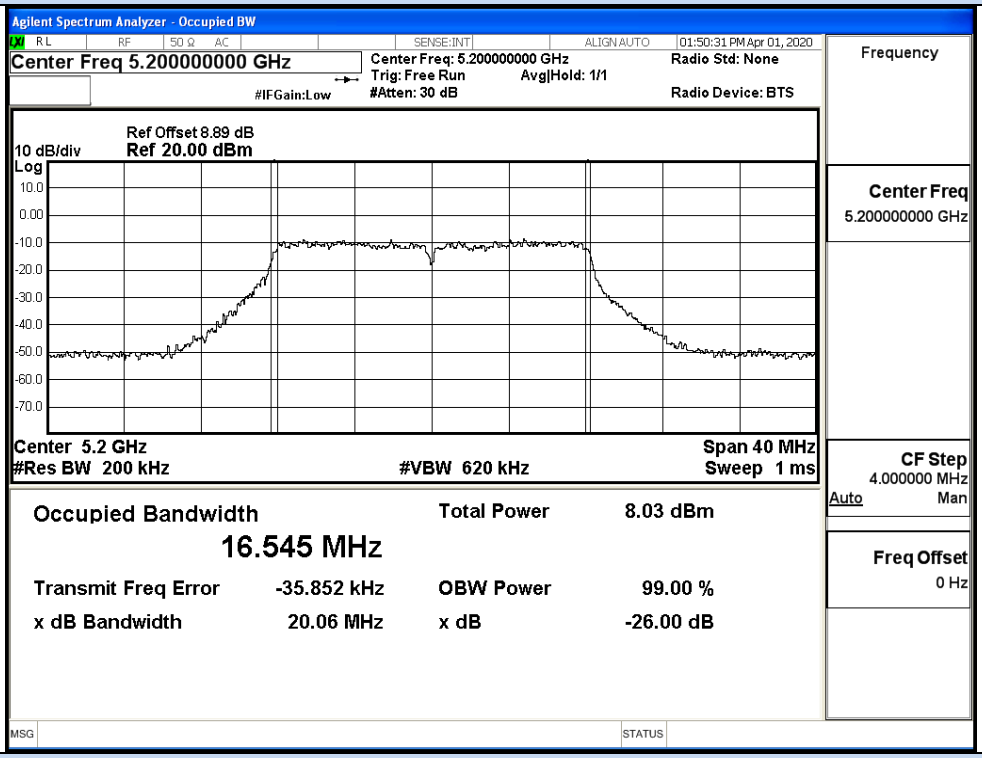


IEEE 802.11a / Channel 48 / 5240MHz

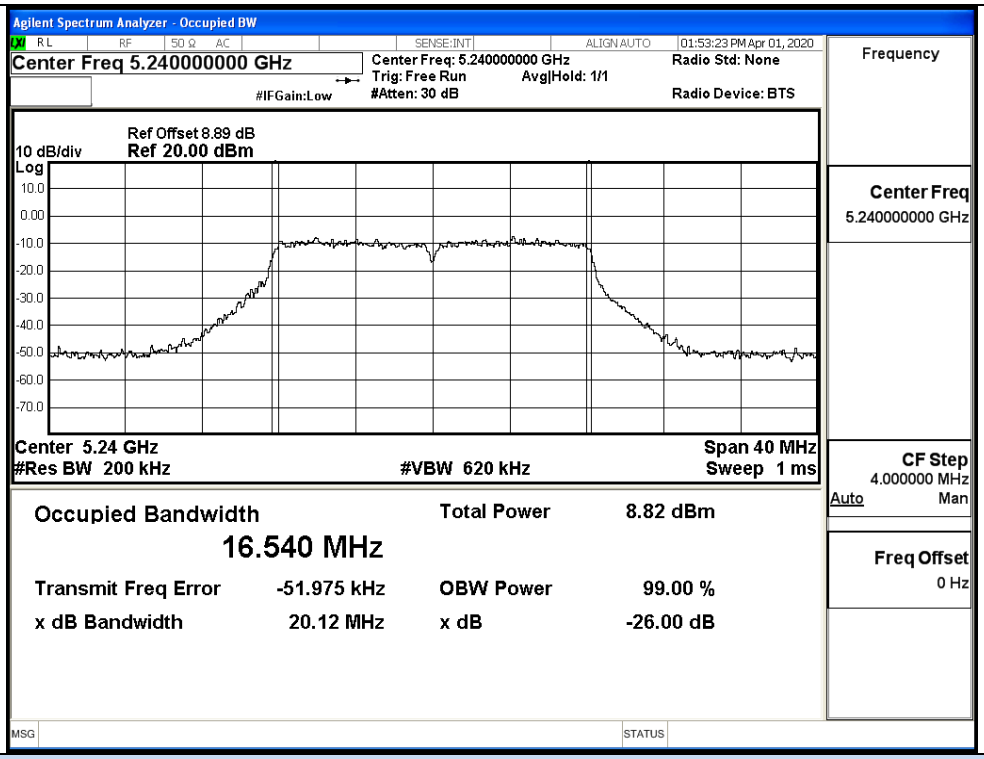
26dB Bandwidth



IEEE 802.11n20 / Channel 36 / 5180MHz

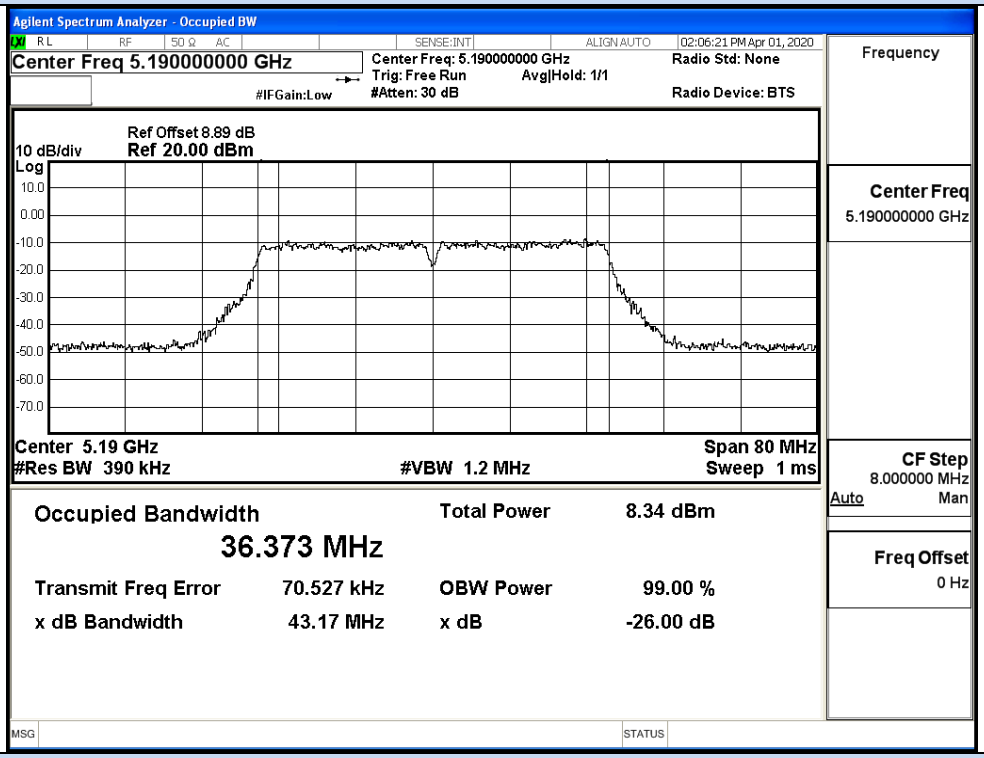


IEEE 802.11n20 / Channel 40 / 5200MHz

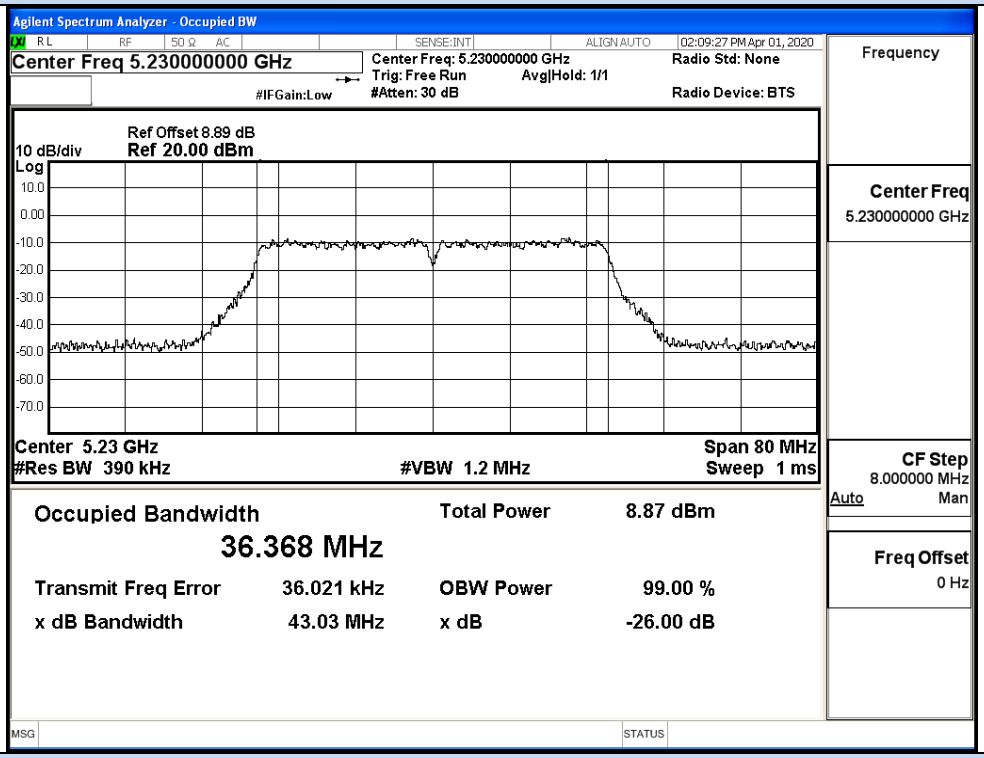


IEEE 802.11n20 / Channel 48 / 5240MHz

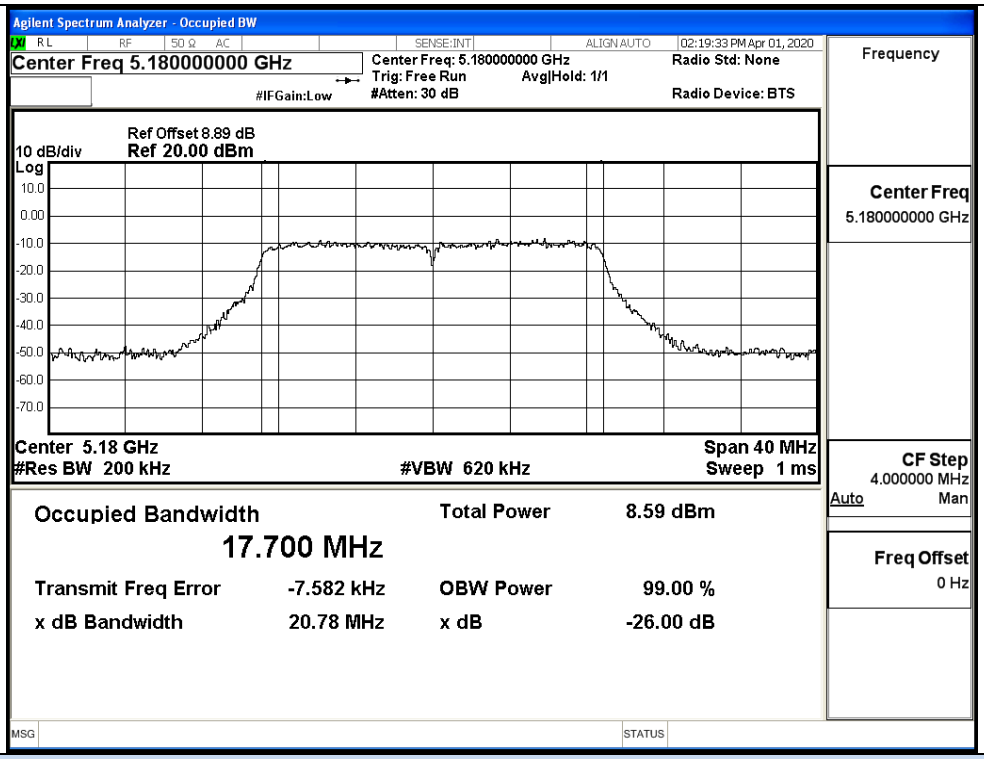
26dB Bandwidth



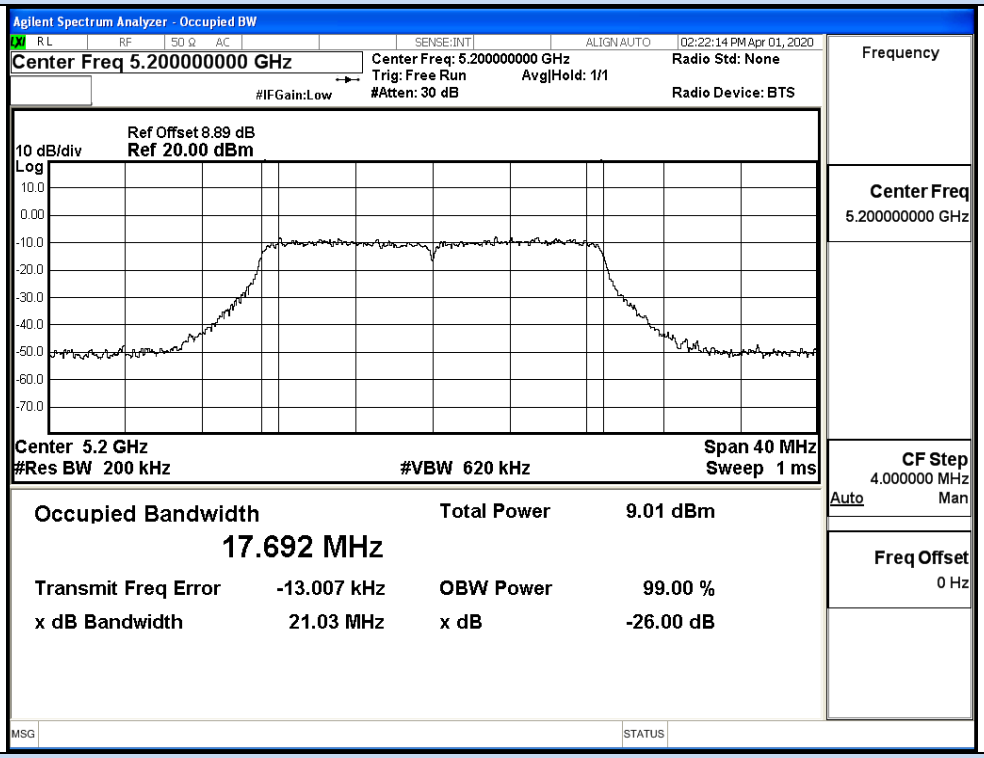
IEEE 802.11n40 / Channel 38 / 5190MHz



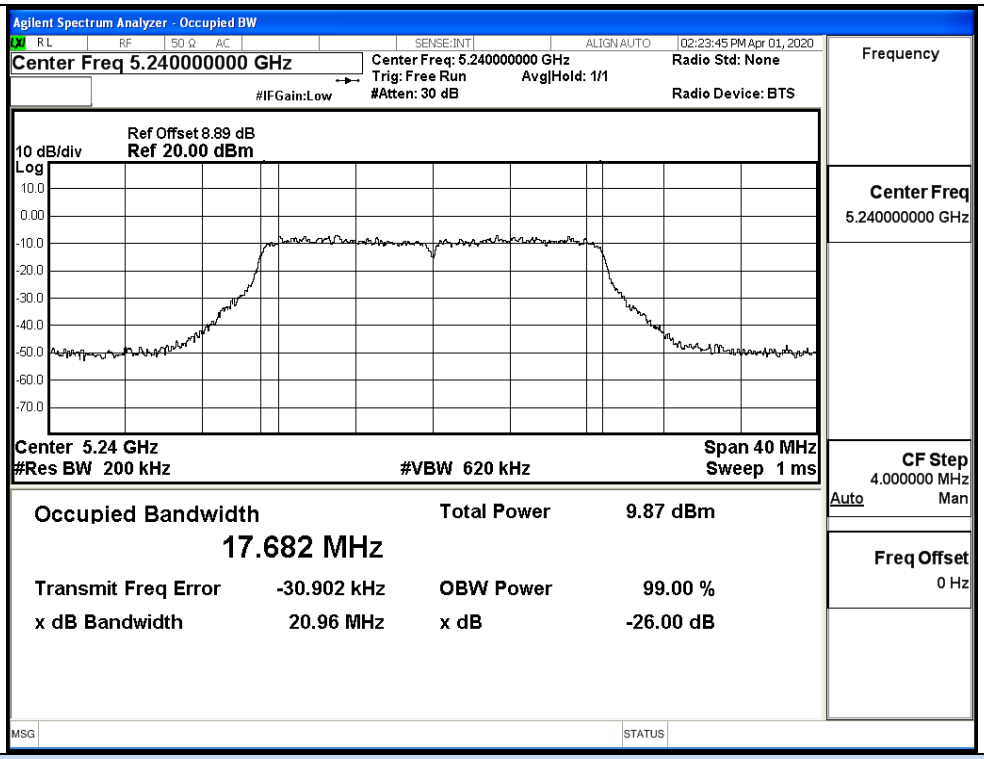
IEEE 802.11n40 / Channel 46 / 5230MHz



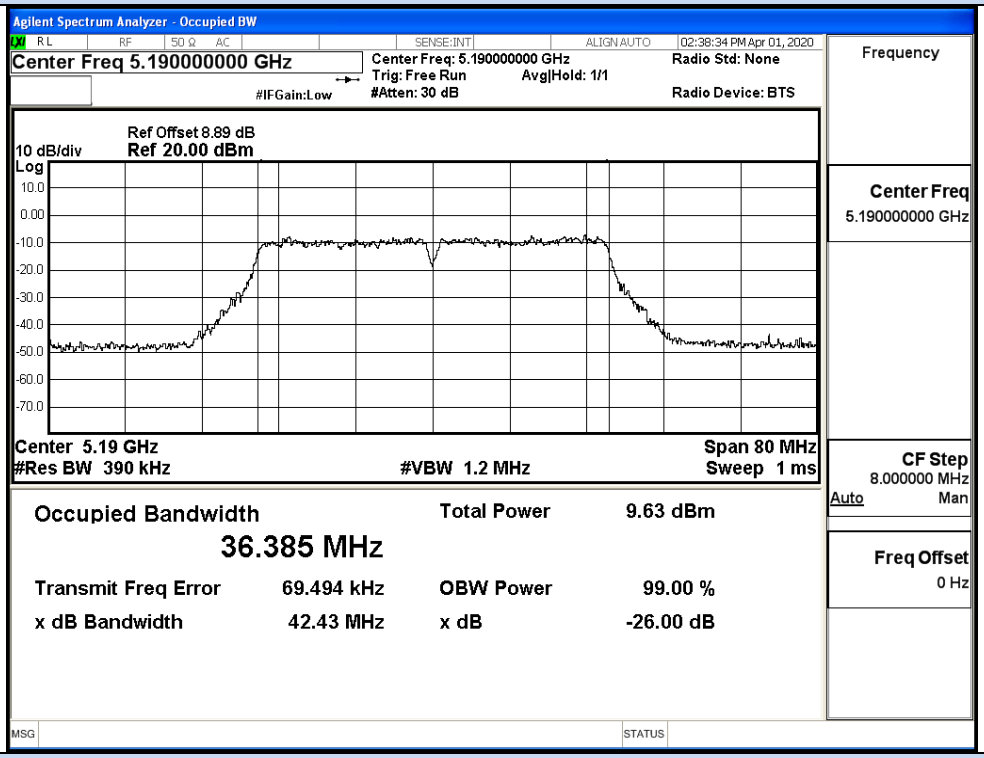
IEEE 802.11ac20 / Channel 36 / 5180MHz



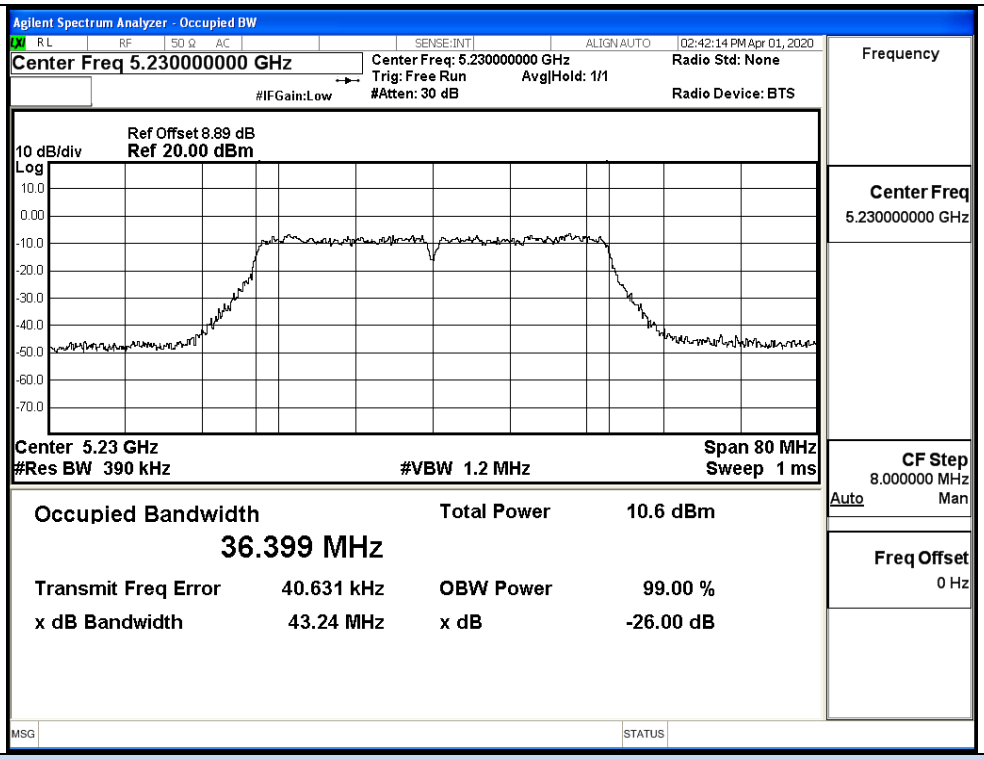
IEEE 802.11ac20 / Channel 40 / 5200MHz



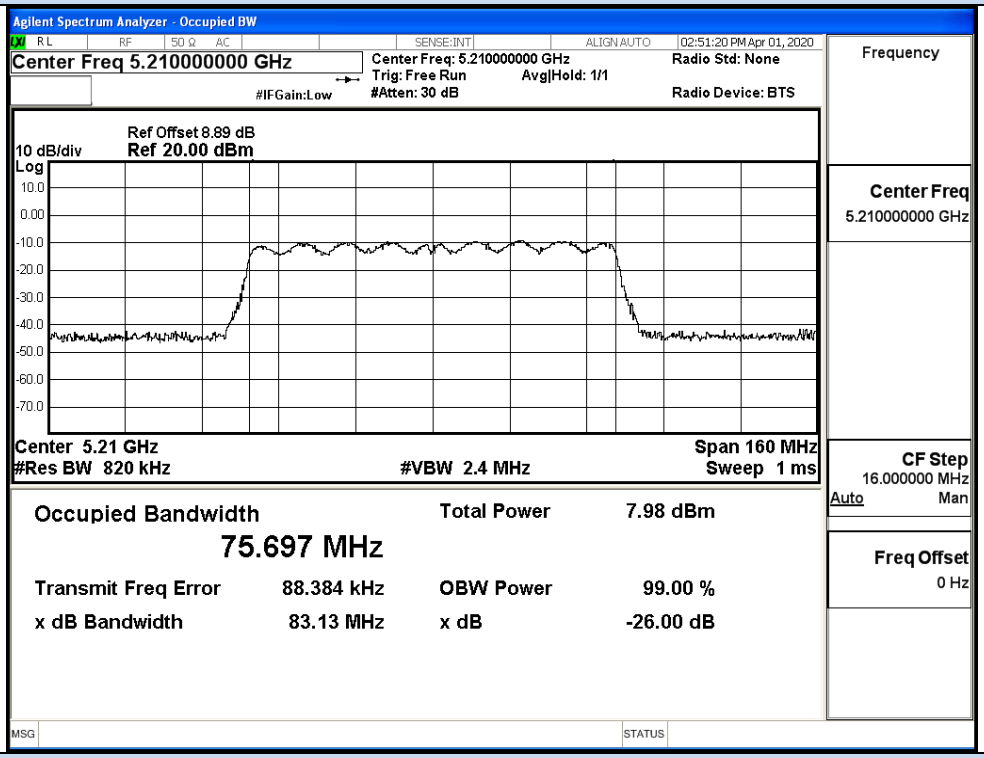
IEEE 802.11ac20 / Channel 48 / 5240MHz



IEEE 802.11ac40 / Channel 38 / 5190MHz

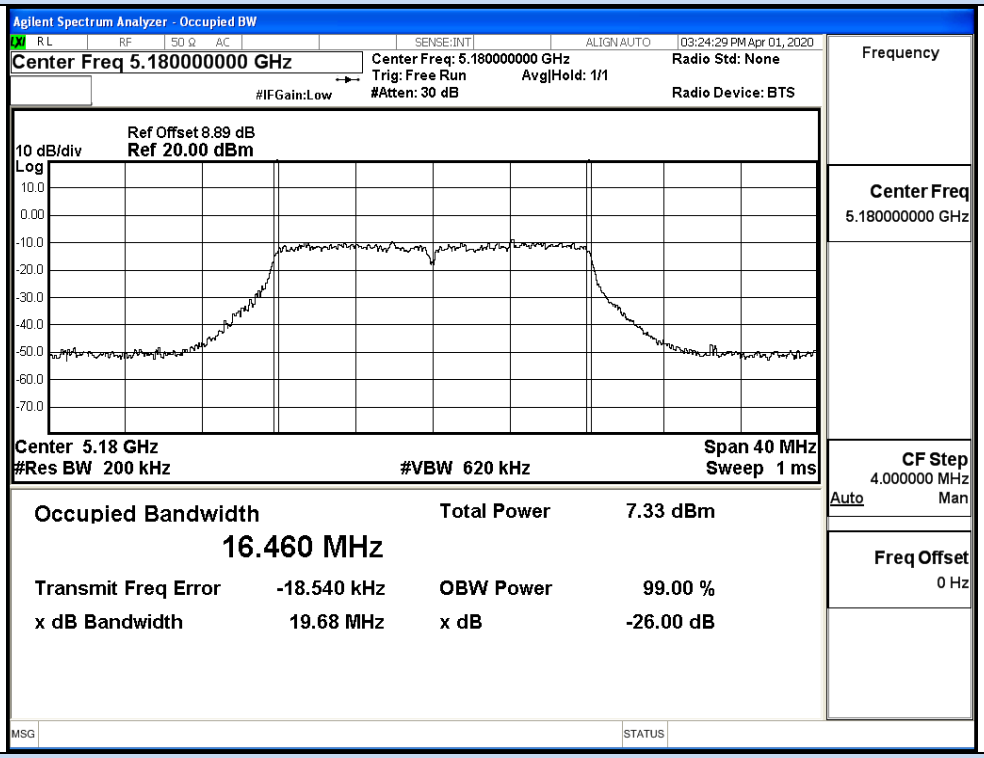


IEEE 802.11ac40 / Channel 46 / 5230MHz

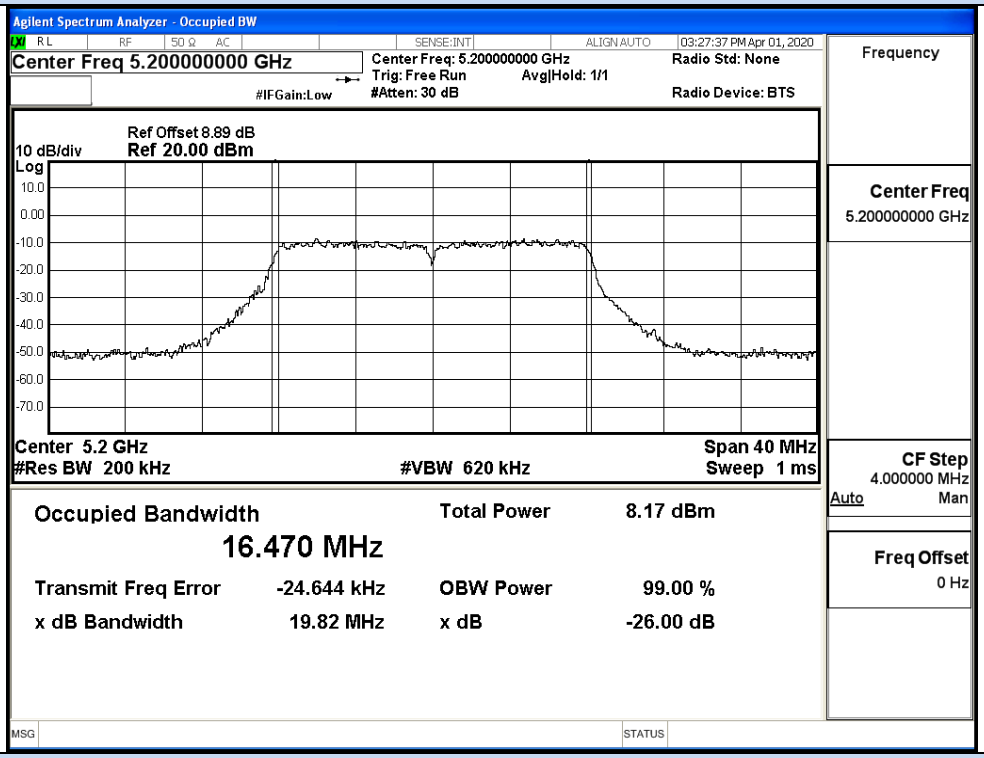


IEEE 802.11ac80 / Channel 42 / 5210MHz

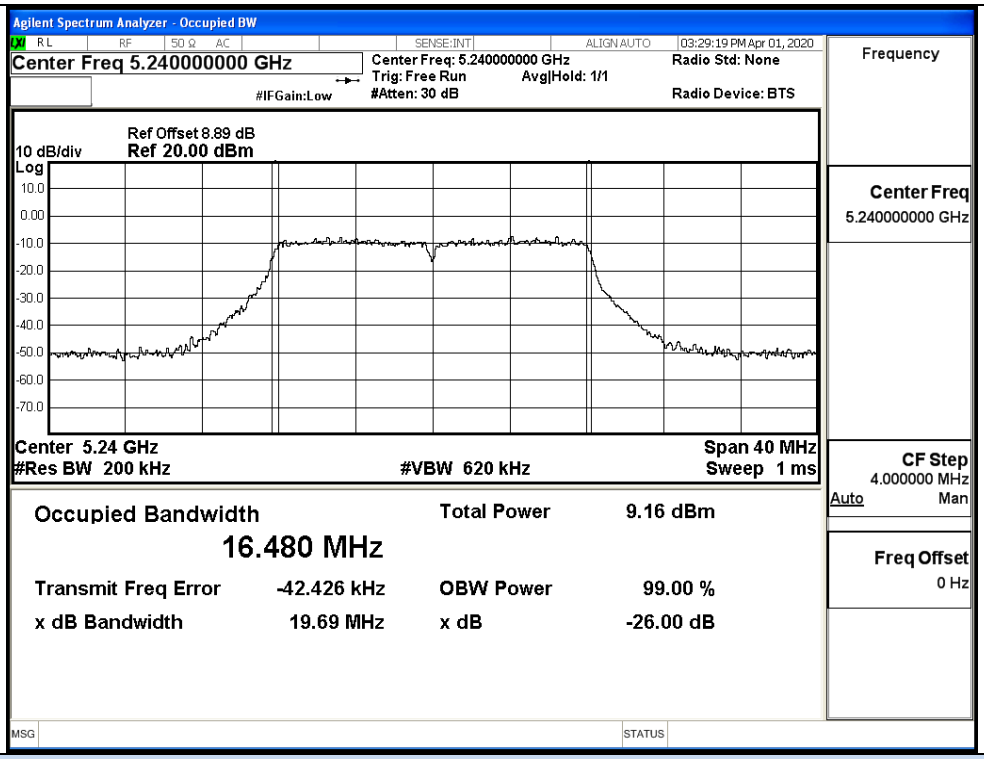
26dB Bandwidth_Ant_1



IEEE 802.11a / Channel 36 / 5180MHz

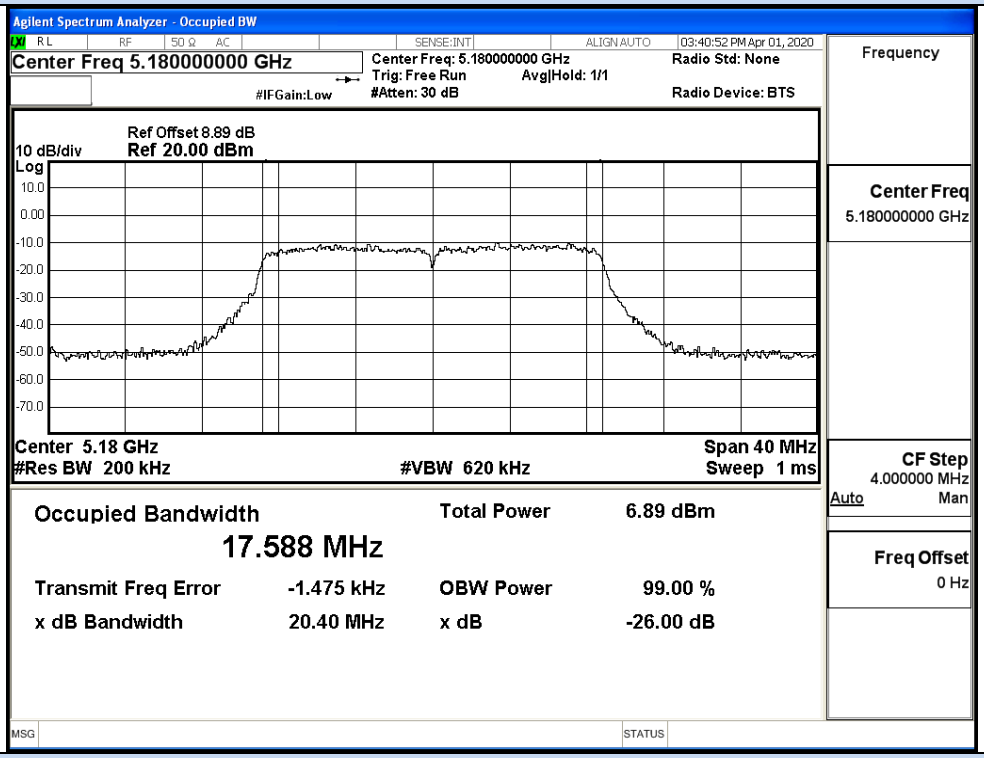


IEEE 802.11a / Channel 40 / 5200MHz

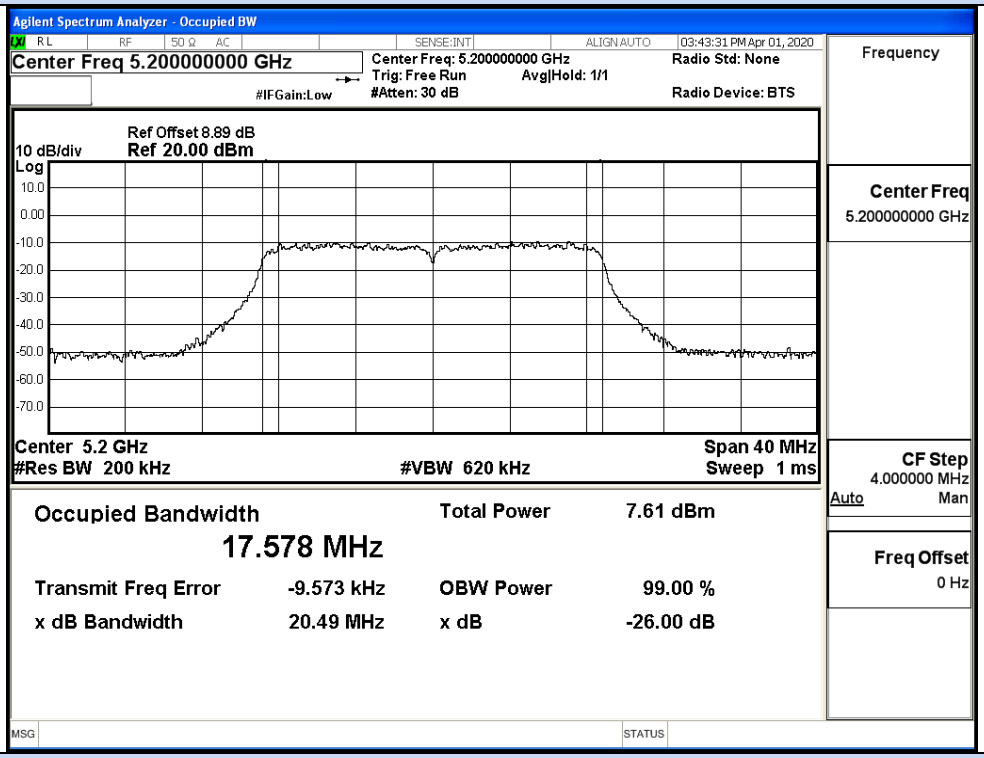


IEEE 802.11a / Channel 48 / 5240MHz

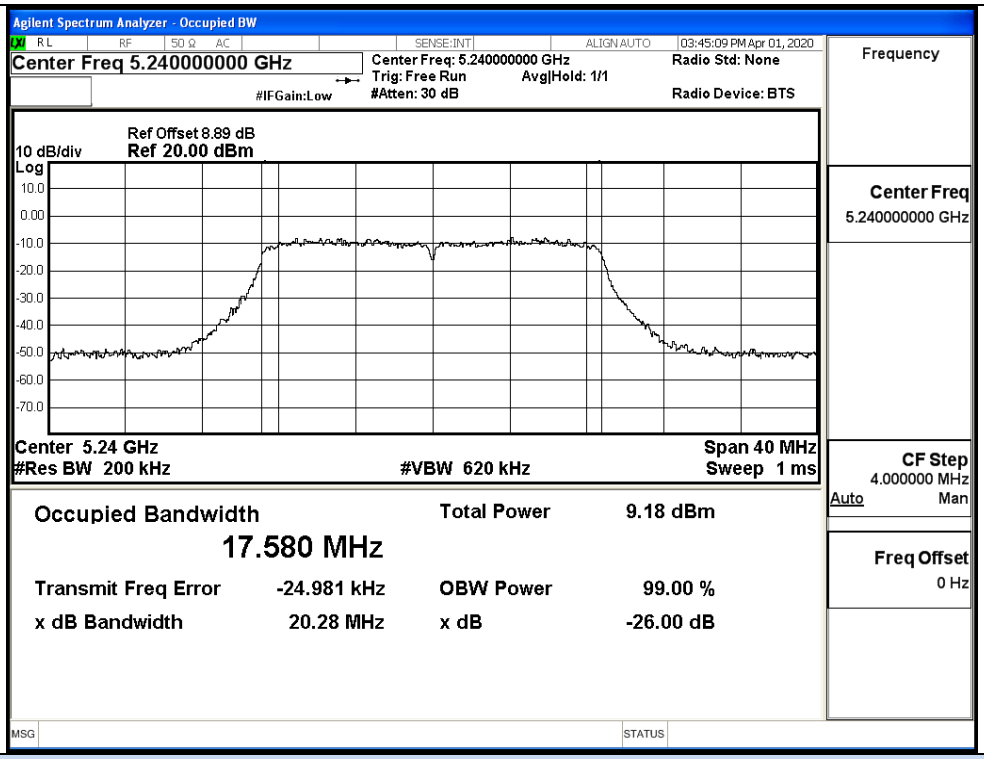
26dB Bandwidth



IEEE 802.11n20 / Channel 36 / 5180MHz

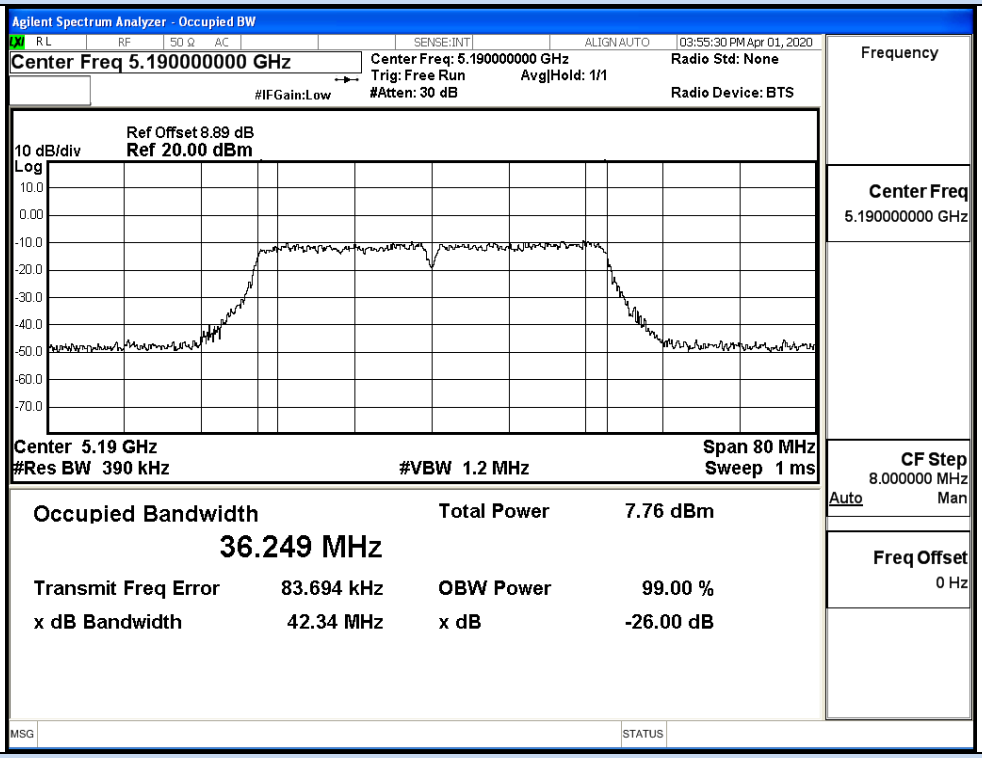


IEEE 802.11n20 / Channel 40 / 5200MHz

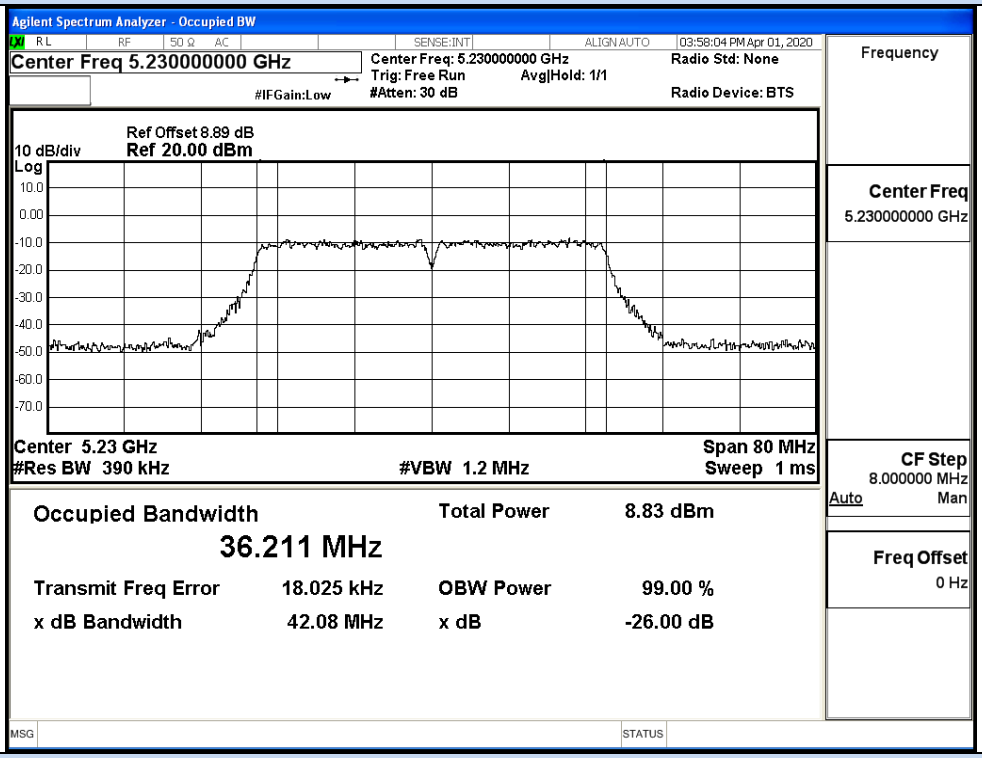


IEEE 802.11n20 / Channel 48 / 5240MHz

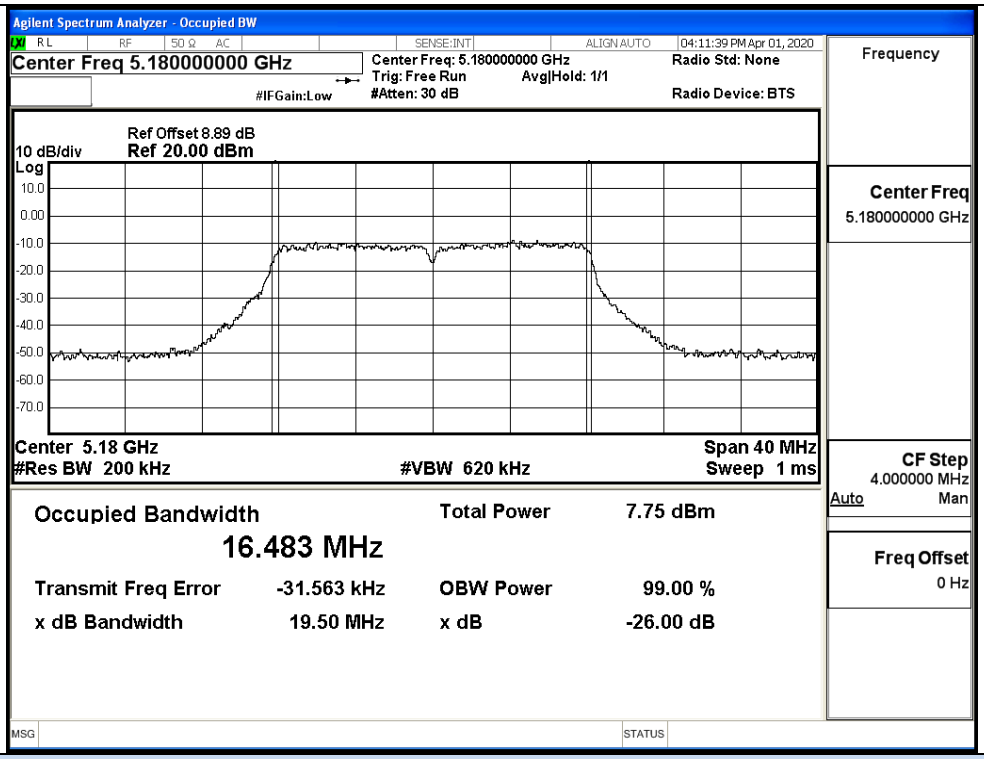
26dB Bandwidth



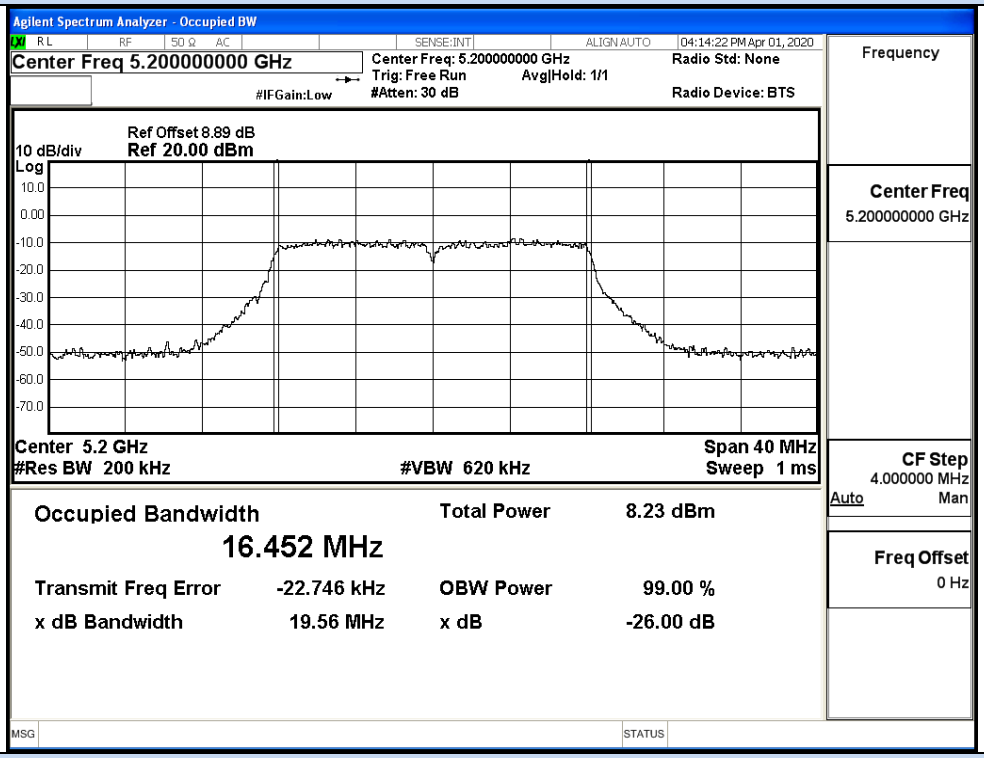
IEEE 802.11n40 / Channel 38 / 5190MHz



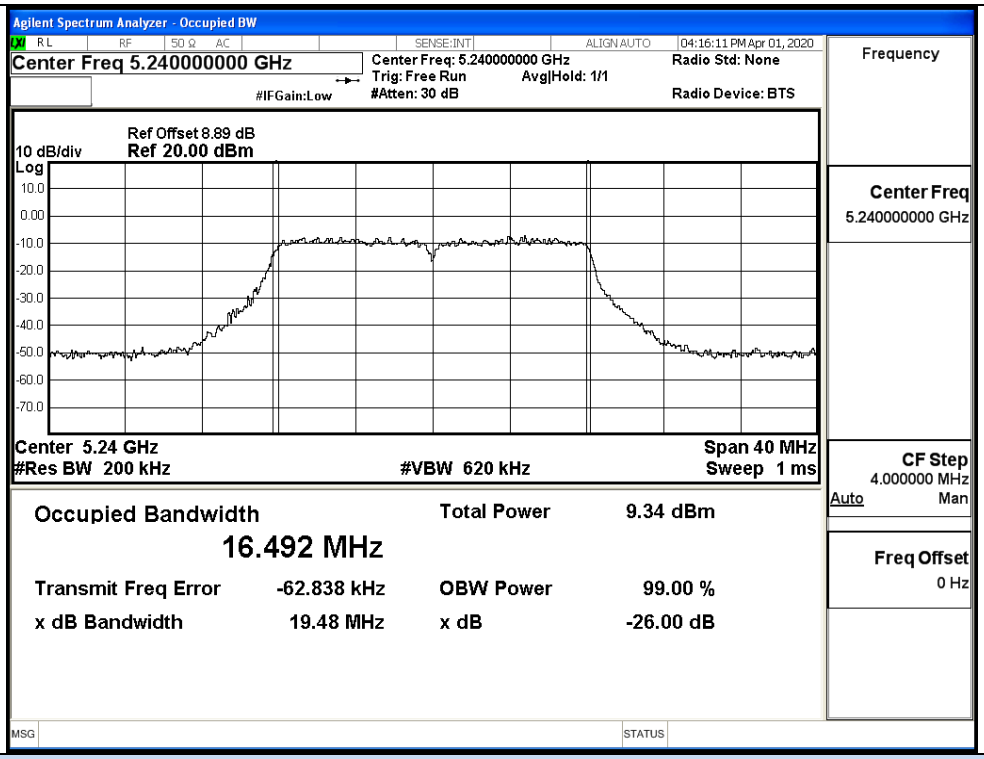
IEEE 802.11n40 / Channel 46 / 5230MHz



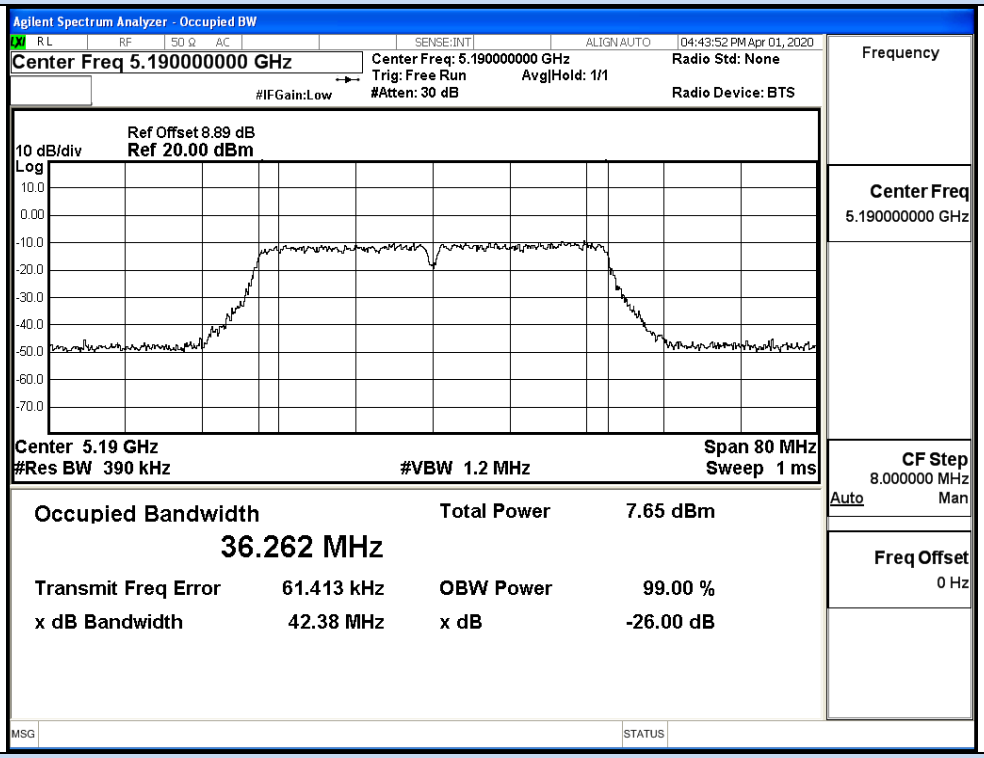
IEEE 802.11ac20 / Channel 36 / 5180MHz



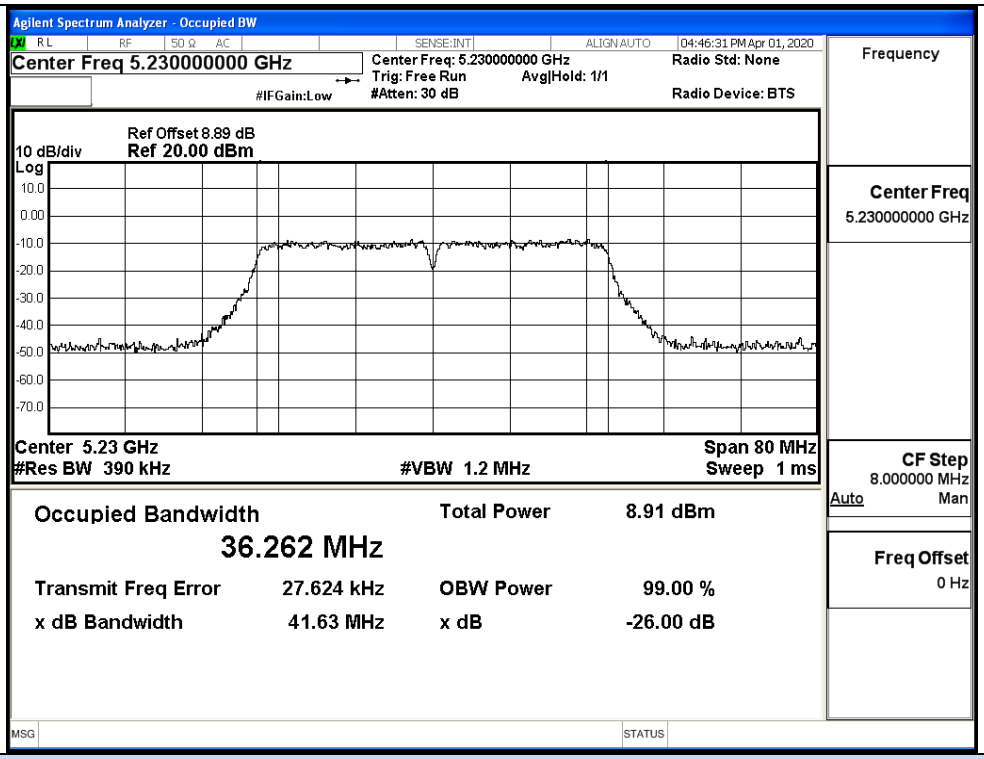
IEEE 802.11ac20 / Channel 40 / 5200MHz



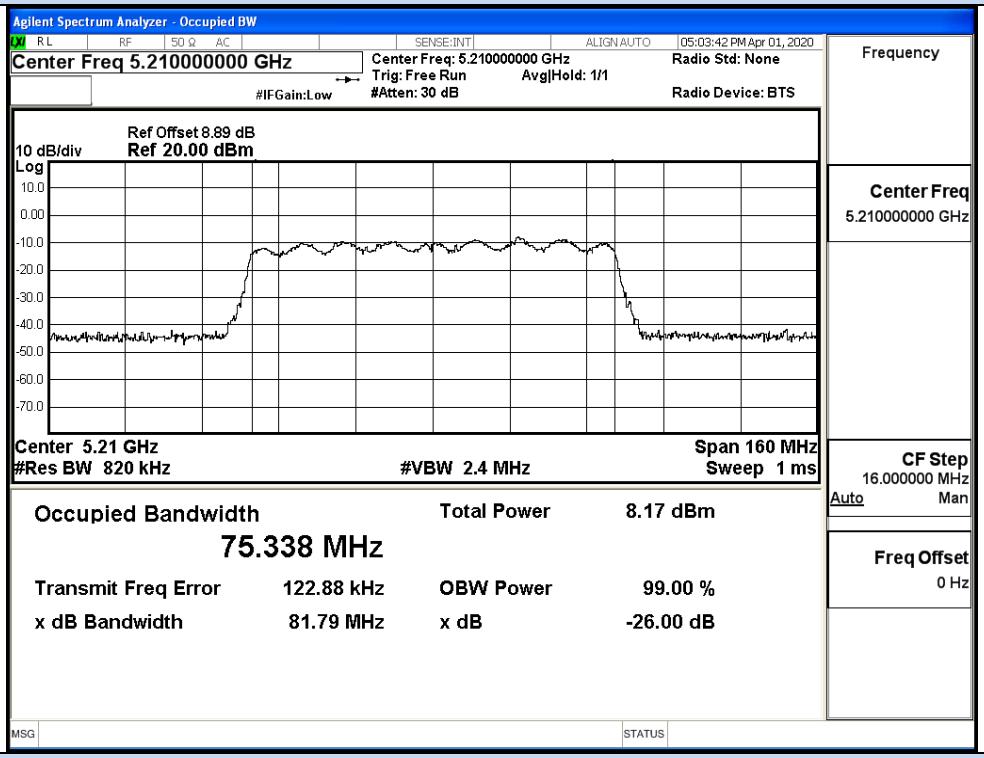
IEEE 802.11ac20 / Channel 48 / 5240MHz



IEEE 802.11ac40 / Channel 38 / 5190MHz



IEEE 802.11ac40 / Channel 46 / 5230MHz



IEEE 802.11ac80 / Channel 42 / 5210MHz

B.5 Undesirable Emissions Measurement

Ant_0

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	36	4500.0	-50.93	2.00	0	46.30	Peak	68.20	Pass
		4500.0	-60.57	2.00	0	36.66	Average	54.00	Pass
		5150.0	-49.74	2.00	0	47.49	Peak	68.20	Pass
		5150.0	-58.85	2.00	0	38.38	Average	54.00	Pass
	48	5350.0	-49.05	2.00	0	48.18	Peak	68.20	Pass
		5350.0	-59.56	2.00	0	37.67	Average	54.00	Pass
		5460.0	-48.69	2.00	0	48.54	Peak	68.20	Pass
		5460.0	-59.51	2.00	0	37.72	Average	54.00	Pass
11N20 SISO	36	4500.0	-50.05	2.00	0	47.18	Peak	68.20	Pass
		4500.0	-60.53	2.00	0	36.70	Average	54.00	Pass
		5150.0	-48.40	2.00	0	48.83	Peak	68.20	Pass
		5150.0	-58.48	2.00	0	38.75	Average	54.00	Pass
	48	5350.0	-48.71	2.00	0	48.52	Peak	68.20	Pass
		5350.0	-59.53	2.00	0	37.70	Average	54.00	Pass
		5460.0	-49.25	2.00	0	47.98	Peak	68.20	Pass
		5460.0	-59.58	2.00	0	37.65	Average	54.00	Pass
11N40 SISO	38	4500.0	-51.02	2.00	0	46.21	Peak	68.20	Pass
		4500.0	-60.54	2.00	0	36.69	Average	54.00	Pass
		5150.0	-47.98	2.00	0	49.25	Peak	68.20	Pass
		5150.0	-58.68	2.00	0	38.55	Average	54.00	Pass
	46	5350.0	-49.67	2.00	0	47.56	Peak	68.20	Pass
		5350.0	-59.23	2.00	0	38.00	Average	54.00	Pass
		5460.0	-49.15	2.00	0	48.08	Peak	68.20	Pass
		5460.0	-59.27	2.00	0	37.96	Average	54.00	Pass
11AC 20	36	4500.0	-50.58	2.00	0	46.65	Peak	68.20	Pass
		4500.0	-60.55	2.00	0	36.68	Average	54.00	Pass
		5150.0	-49.47	2.00	0	47.76	Peak	68.20	Pass
		5150.0	-58.74	2.00	0	38.49	Average	54.00	Pass
	48	4500.0	-50.58	2.00	0	46.65	Peak	68.20	Pass
		4500.0	-60.55	2.00	0	36.68	Average	54.00	Pass
		5150.0	-49.47	2.00	0	47.76	Peak	68.20	Pass
		5150.0	-58.74	2.00	0	38.49	Average	54.00	Pass
11AC 40	38	4500.0	-49.32	2.00	0	47.91	Peak	68.20	Pass
		4500.0	-60.58	2.00	0	36.65	Average	54.00	Pass
		5150.0	-48.63	2.00	0	48.60	Peak	68.20	Pass

		5150.0	-58.60	2.00	0	38.63	Average	54.00	Pass
	46	5350.0	-48.62	2.00	0	48.61	Peak	68.20	Pass
		5350.0	-59.15	2.00	0	38.08	Average	54.00	Pass
		5460.0	-47.95	2.00	0	49.28	Peak	68.20	Pass
		5460.0	-59.20	2.00	0	38.03	Average	54.00	Pass
11AC 80	42	4500.0	-51.63	2.00	0	45.63	Peak	68.20	Pass
		4500.0	-60.40	2.00	0	36.86	Average	54.00	Pass
		5150.0	-31.87	2.00	0	65.39	Peak	68.20	Pass
		5150.0	-45.63	2.00	0	53.63	Average	54.00	Pass
		5350.0	-49.15	2.00	0	48.11	Peak	68.20	Pass
		5350.0	-59.78	2.00	0	37.48	Average	54.00	Pass
		5460.0	-49.64	2.00	0	47.62	Peak	68.20	Pass
		5460.0	-59.77	2.00	0	37.49	Average	54.00	Pass

Ant_1

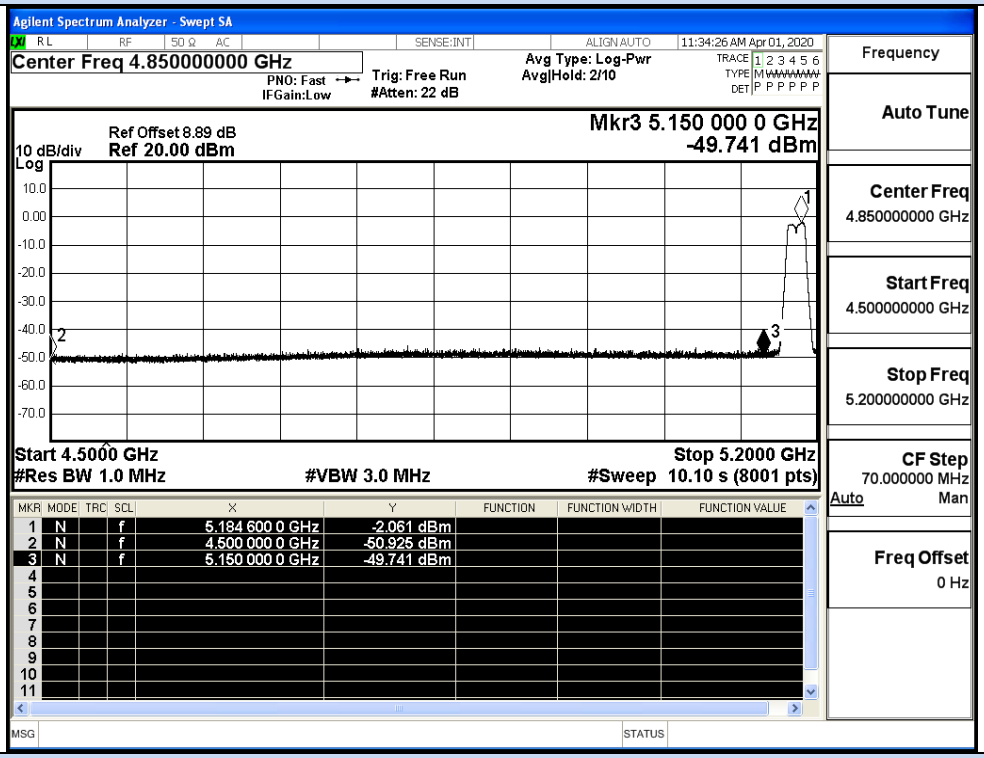
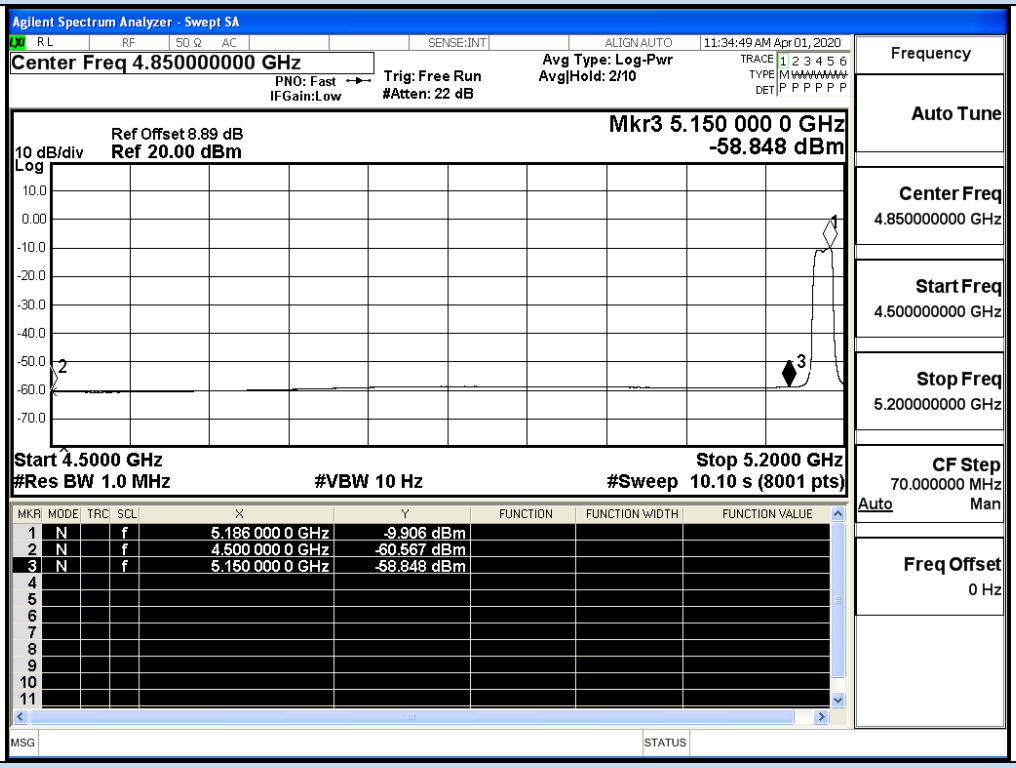
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11A	36	4500.0	-51.24	2.00	0	45.99	Peak	68.20	Pass
		4500.0	-60.54	2.00	0	36.69	Average	54.00	Pass
		5150.0	-49.31	2.00	0	47.92	Peak	68.20	Pass
		5150.0	-58.96	2.00	0	38.27	Average	54.00	Pass
	48	5350.0	-49.25	2.00	0	47.98	Peak	68.20	Pass
		5350.0	-59.58	2.00	0	37.65	Average	54.00	Pass
		5460.0	-49.51	2.00	0	47.72	Peak	68.20	Pass
		5460.0	-59.54	2.00	0	37.69	Average	54.00	Pass
11N20 SISO	36	4500.0	-50.75	2.00	0	46.48	Peak	68.20	Pass
		4500.0	-60.55	2.00	0	36.68	Average	54.00	Pass
		5150.0	-49.12	2.00	0	48.11	Peak	68.20	Pass
		5150.0	-58.92	2.00	0	38.31	Average	54.00	Pass
	48	5350.0	-48.08	2.00	0	49.15	Peak	68.20	Pass
		5350.0	-59.57	2.00	0	37.66	Average	54.00	Pass
		5460.0	-49.56	2.00	0	47.67	Peak	68.20	Pass
		5460.0	-59.56	2.00	0	37.67	Average	54.00	Pass
11N40 SISO	38	4500.0	-50.20	2.00	0	47.03	Peak	68.20	Pass
		4500.0	-60.55	2.00	0	36.68	Average	54.00	Pass
		5150.0	-49.54	2.00	0	47.69	Peak	68.20	Pass
		5150.0	-58.90	2.00	0	38.33	Average	54.00	Pass
	46	5350.0	-49.32	2.00	0	47.91	Peak	68.20	Pass
		5350.0	-59.31	2.00	0	37.92	Average	54.00	Pass
		5460.0	-48.29	2.00	0	48.94	Peak	68.20	Pass
		5460.0	-59.26	2.00	0	37.97	Average	54.00	Pass
11AC20	36	4500.0	-49.52	2.00	0	47.71	Peak	68.20	Pass
		4500.0	-60.53	2.00	0	36.70	Average	54.00	Pass
		5150.0	-48.73	2.00	0	48.50	Peak	68.20	Pass
		5150.0	-58.92	2.00	0	38.31	Average	54.00	Pass
	48	4500.0	-49.52	2.00	0	47.71	Peak	68.20	Pass
		4500.0	-60.53	2.00	0	36.70	Average	54.00	Pass
		5150.0	-48.73	2.00	0	48.50	Peak	68.20	Pass
		5150.0	-58.92	2.00	0	38.31	Average	54.00	Pass
11AC40	38	4500.0	-49.68	2.00	0	47.55	Peak	68.20	Pass
		4500.0	-60.52	2.00	0	36.71	Average	54.00	Pass
		5150.0	-49.19	2.00	0	48.04	Peak	68.20	Pass
		5150.0	-58.87	2.00	0	38.36	Average	54.00	Pass

	46	5350.0	-48.97	2.00	0	48.26	Peak	68.20	Pass
		5350.0	-59.31	2.00	0	37.92	Average	54.00	Pass
		5460.0	-49.08	2.00	0	48.15	Peak	68.20	Pass
		5460.0	-59.26	2.00	0	37.97	Average	54.00	Pass
11AC80	42	4500.0	-49.98	2.00	0	47.28	Peak	68.20	Pass
		4500.0	-60.37	2.00	0	36.89	Average	54.00	Pass
		5150.0	-39.29	2.00	0	57.97	Peak	68.20	Pass
		5150.0	-52.65	2.00	0	44.61	Average	54.00	Pass
		5350.0	-48.88	2.00	0	48.38	Peak	68.20	Pass
		5350.0	-58.77	2.00	0	38.49	Average	54.00	Pass
		5460.0	-48.90	2.00	0	48.36	Peak	68.20	Pass
		5460.0	-58.76	2.00	0	38.50	Average	54.00	Pass

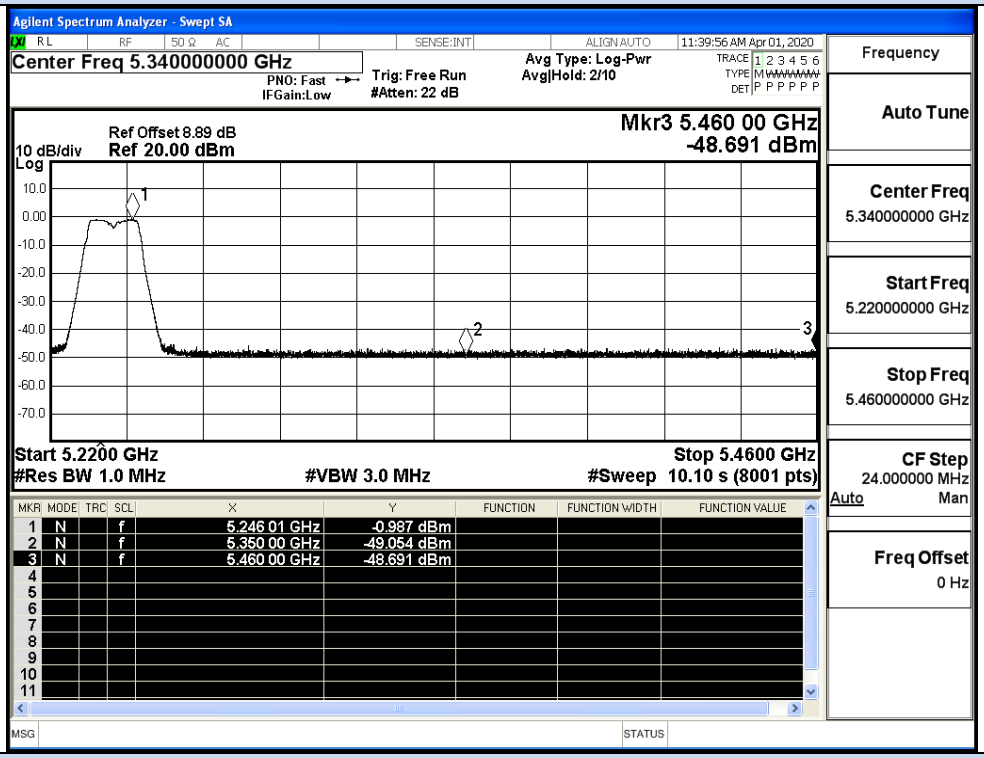
Combined Ant_0 and Ant_1

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)			Directional Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)
			Ant_0	Ant_1	Sum					
11N20	36	4500.0	-50.05	-50.75	-47.38	3.01	0	50.86	Peak	68.20
		4500.0	-60.53	-60.55	-57.53	3.01	0	40.71	Average	54.00
		5150.0	-48.40	-49.12	-45.73	3.01	0	52.51	Peak	68.20
		5150.0	-58.48	-58.92	-55.68	3.01	0	42.56	Average	54.00
	48	5350.0	-48.71	-48.08	-45.37	3.01	0	52.87	Peak	68.20
		5350.0	-59.53	-59.57	-56.54	3.01	0	41.70	Average	54.00
		5460.0	-49.25	-49.56	-46.39	3.01	0	51.85	Peak	68.20
		5460.0	-59.58	-59.56	-56.56	3.01	0	41.68	Average	54.00
11N40	38	4500.0	-51.02	-50.20	-47.58	3.01	0	50.66	Peak	68.20
		4500.0	-60.54	-60.55	-57.53	3.01	0	40.71	Average	54.00
		5150.0	-47.98	-49.54	-45.68	3.01	0	52.56	Peak	68.20
		5150.0	-58.68	-58.90	-55.78	3.01	0	42.46	Average	54.00
	46	5350.0	-49.67	-49.32	-46.48	3.01	0	51.76	Peak	68.20
		5350.0	-59.23	-59.31	-56.26	3.01	0	41.98	Average	54.00
		5460.0	-49.15	-48.29	-45.69	3.01	0	52.55	Peak	68.20
		5460.0	-59.27	-59.26	-56.25	3.01	0	41.99	Average	54.00
11AC20	36	4500.0	-50.58	-49.52	-47.01	3.01	0	51.23	Peak	68.20
		4500.0	-60.55	-60.53	-57.53	3.01	0	40.71	Average	54.00
		5150.0	-49.47	-48.73	-46.07	3.01	0	52.17	Peak	68.20
		5150.0	-58.74	-58.92	-55.82	3.01	0	42.42	Average	54.00
	48	4500.0	-50.58	-49.52	-47.01	3.01	0	51.23	Peak	68.20
		4500.0	-60.55	-60.53	-57.53	3.01	0	40.71	Average	54.00
		5150.0	-49.47	-48.73	-46.07	3.01	0	52.17	Peak	68.20
		5150.0	-58.74	-58.92	-55.82	3.01	0	42.42	Average	54.00
11AC40	38	4500.0	-49.32	-49.68	-46.49	3.01	0	51.75	Peak	68.20
		4500.0	-60.58	-60.52	-57.54	3.01	0	40.70	Average	54.00
		5150.0	-48.63	-49.19	-45.89	3.01	0	52.35	Peak	68.20
		5150.0	-58.60	-58.87	-55.72	3.01	0	42.52	Average	54.00
	46	5350.0	-48.62	-48.97	-45.78	3.01	0	52.46	Peak	68.20
		5350.0	-59.15	-59.31	-56.22	3.01	0	42.02	Average	54.00
		5460.0	-47.95	-49.08	-45.47	3.01	0	52.77	Peak	68.20
		5460.0	-59.20	-59.26	-56.22	3.01	0	42.02	Average	54.00
11AC80	42	4500.0	-51.63	-49.98	-47.72	3.01	0	50.55	Peak	68.20
		5150.0	-60.40	-60.37	-57.37	3.01	0	40.90	Average	54.00
		4500.0	-31.87	-39.29	-31.15	3.01	0	67.12	Peak	68.20

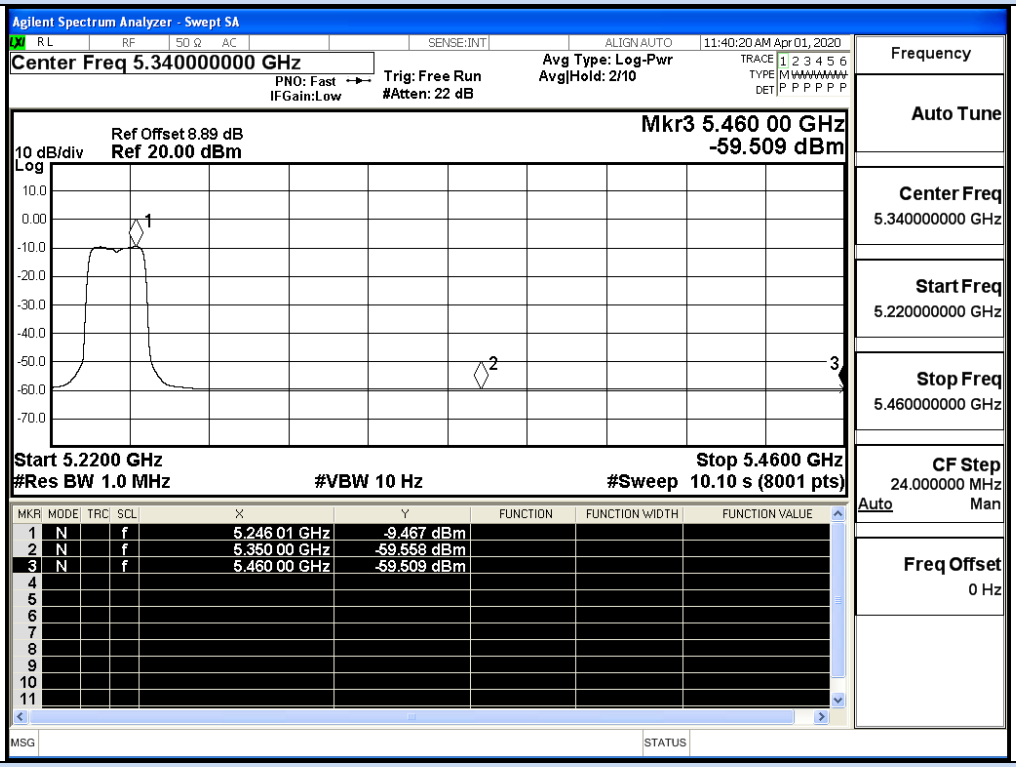
		5150.0	-45.63	-52.65	-44.84	3.01	0	53.43	Average	54.00
		5350.0	-49.15	-48.88	-46.00	3.01	0	52.27	Peak	68.20
		5460.0	-59.78	-58.77	-56.24	3.01	0	42.03	Average	54.00
		5350.0	-49.64	-48.9	-46.24	3.01	0	52.03	Peak	68.20
		5460.0	-59.77	-58.76	-56.23	3.01	0	42.04	Average	54.00

Undesirable Emissions Measurement_Ant_0

IEEE 802.11a / Channel 36 / 5180MHz / Peak

IEEE 802.11a / Channel 36 / 5180MHz / Average

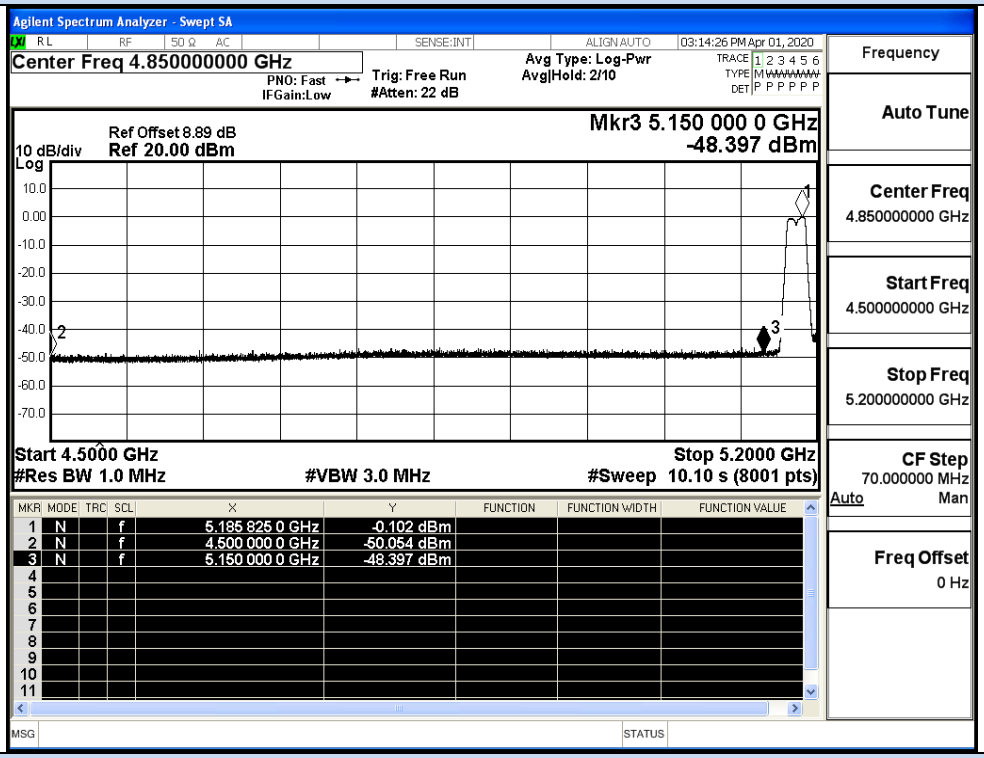
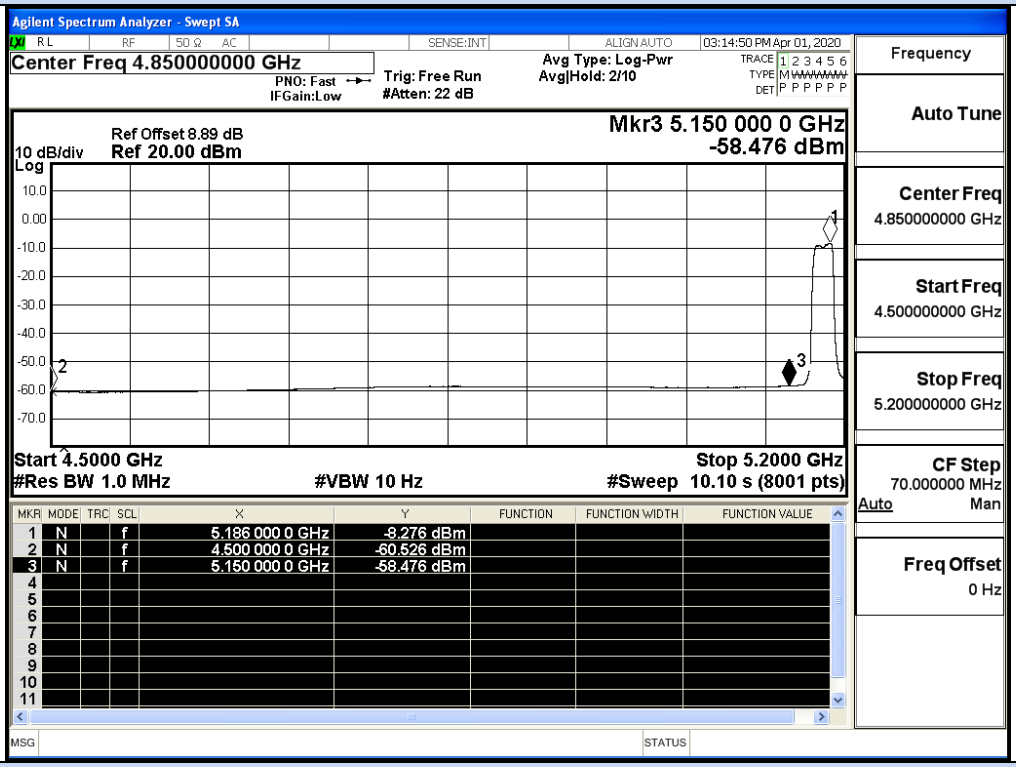
Undesirable Emissions Measurement



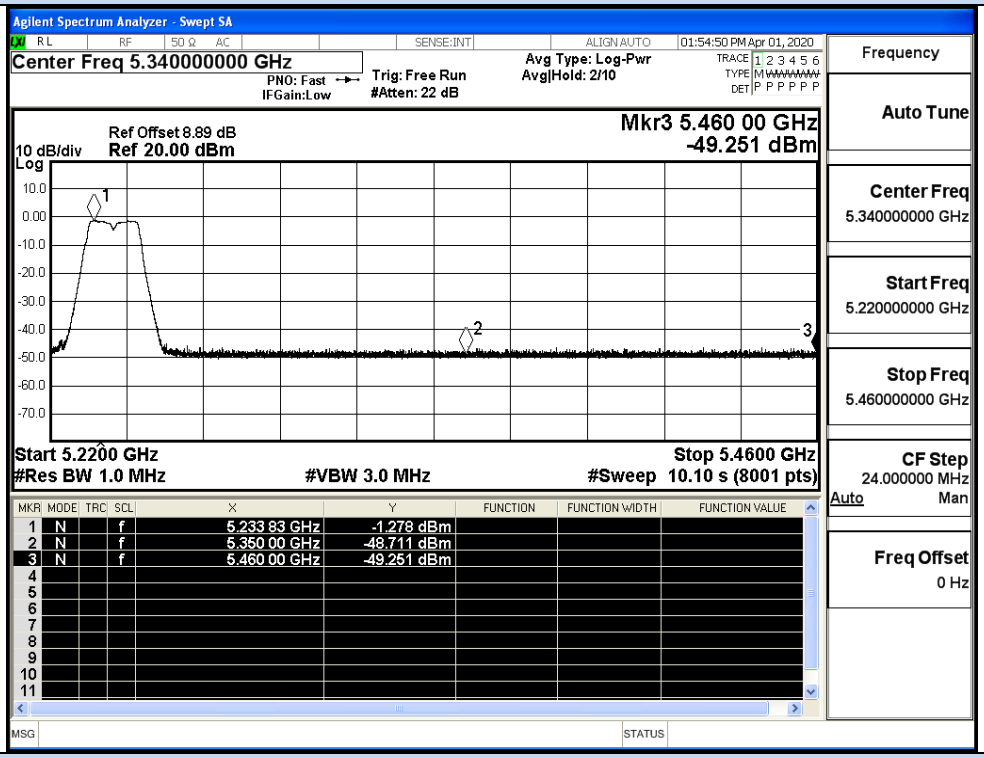
IEEE 802.11a / Channel 48 / 5240MHz / Peak



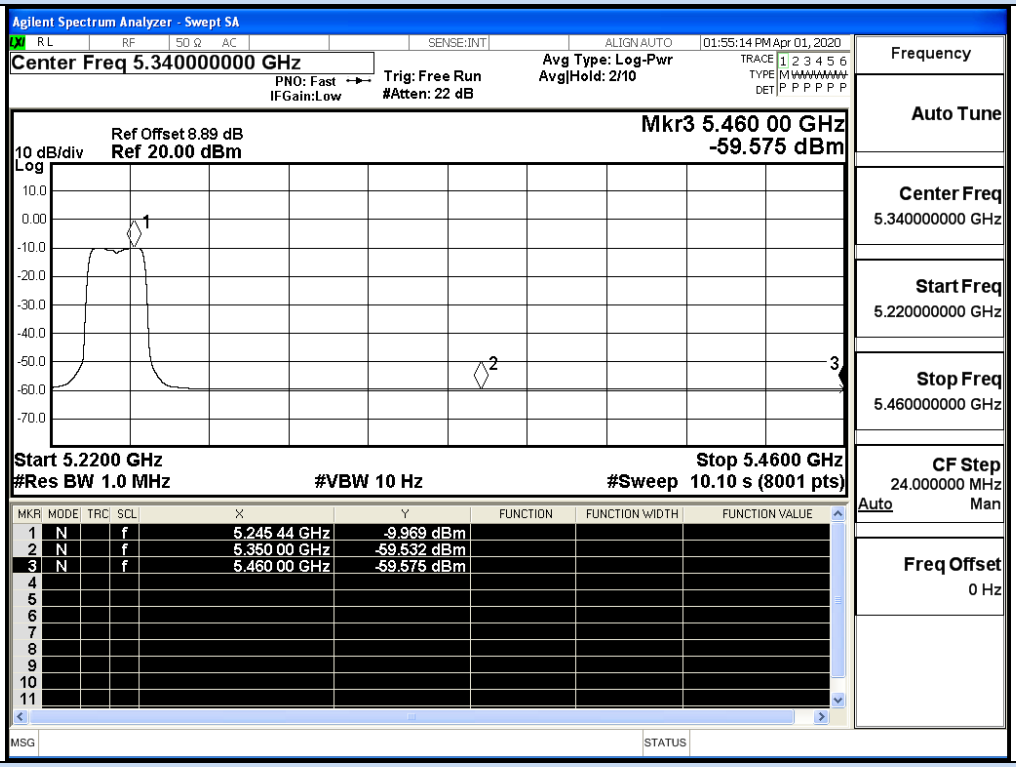
IEEE 802.11a / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

IEEE 802.11n20 / Channel 36 / 5180MHz / Peak

IEEE 802.11n20 / Channel 36 / 5180MHz / Average

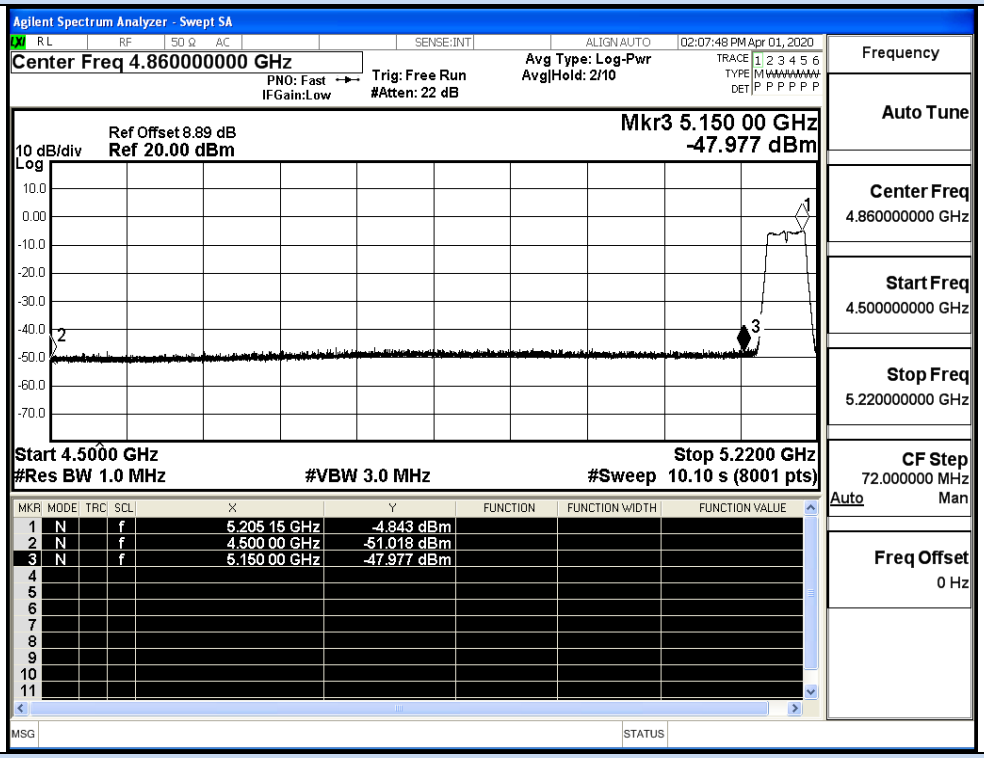
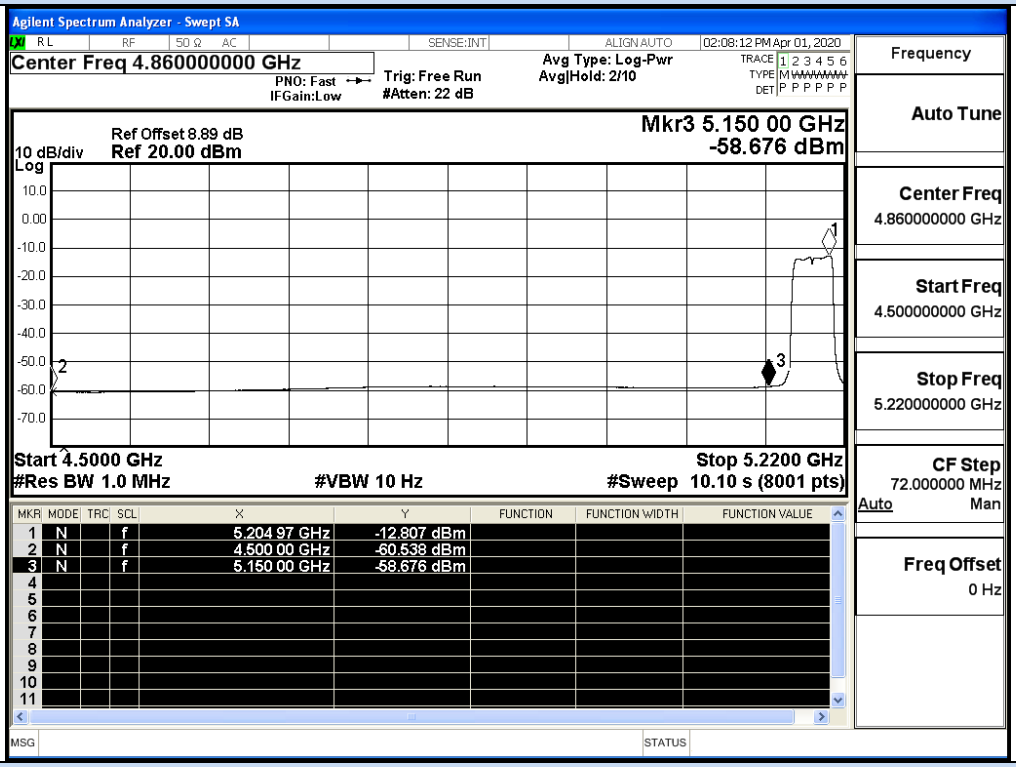
Undesirable Emissions Measurement

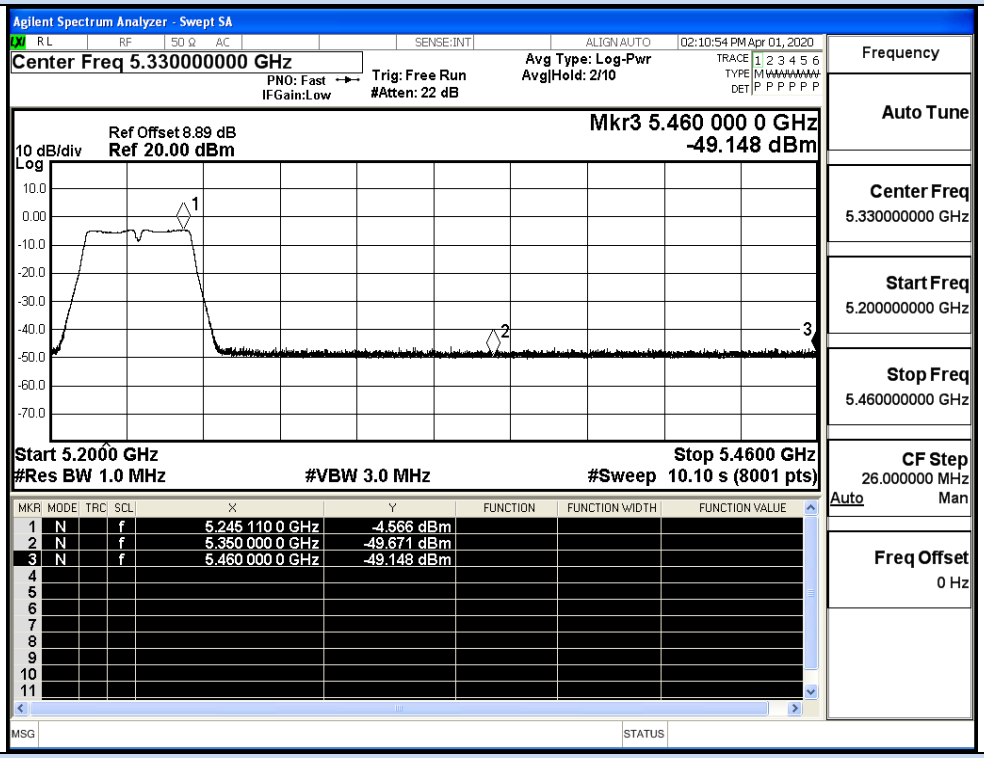
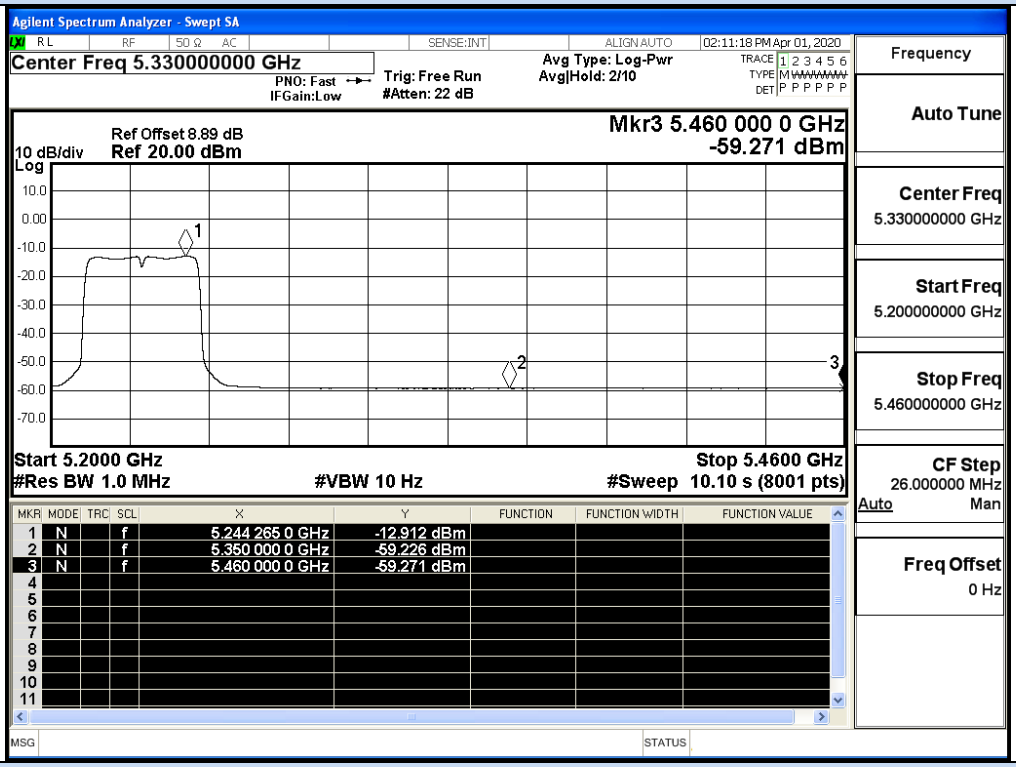


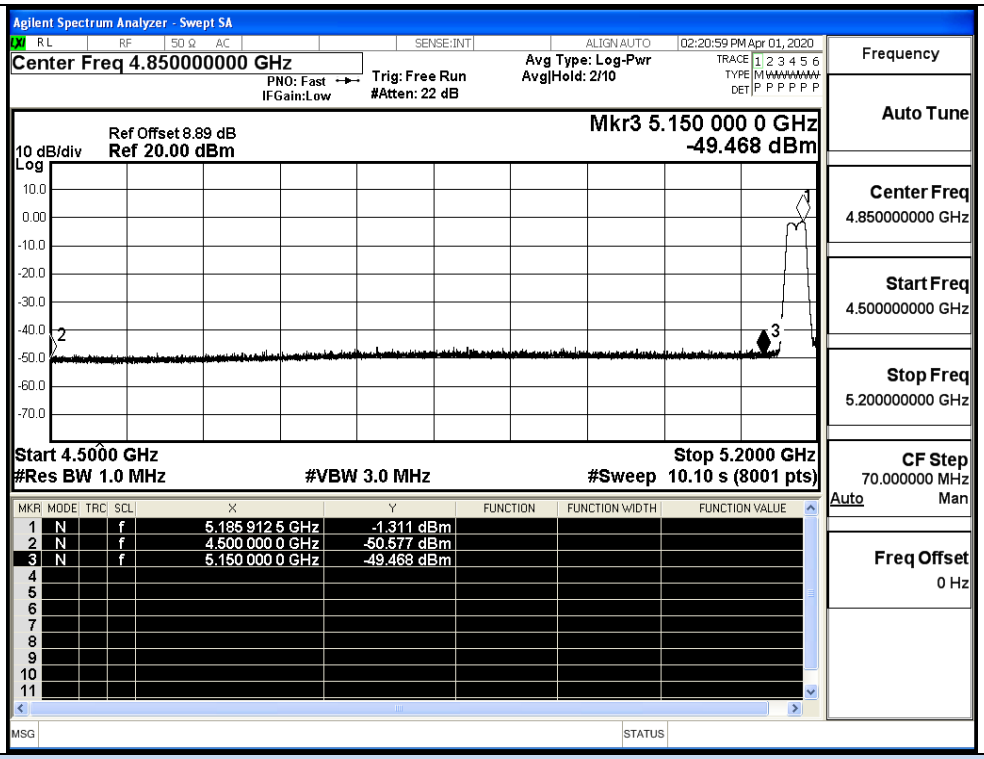
IEEE 802.11n20 / Channel 48 / 5240MHz / Peak



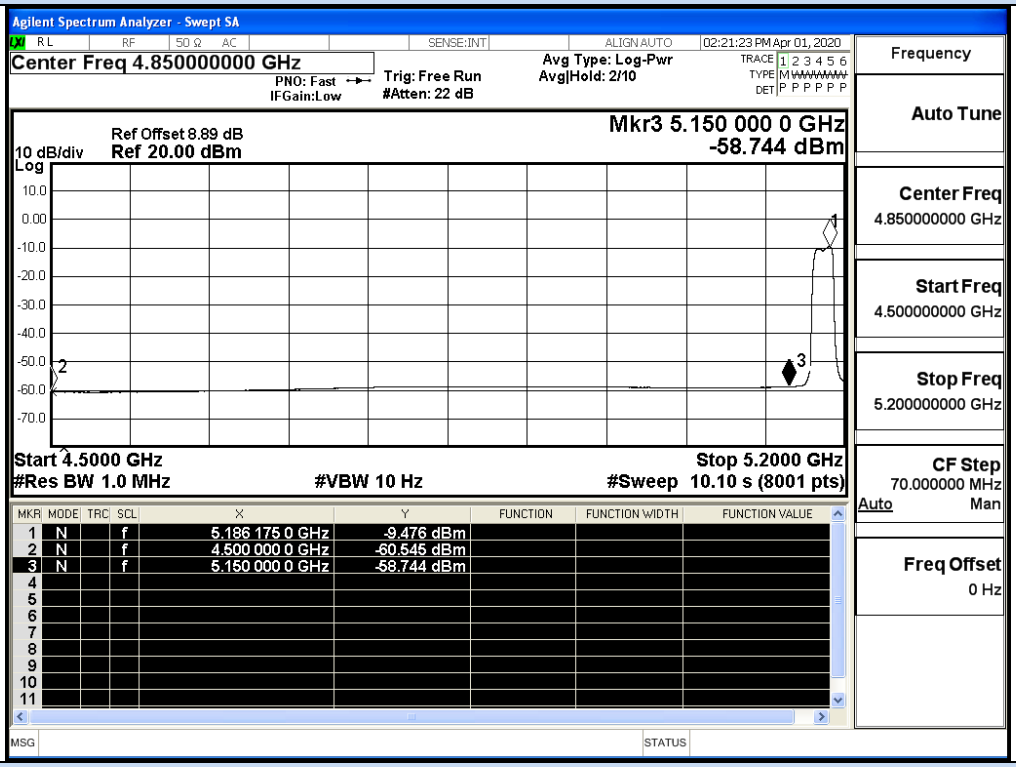
IEEE 802.11n20 / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

IEEE 802.11n40 / Channel 38 / 5190MHz / Average

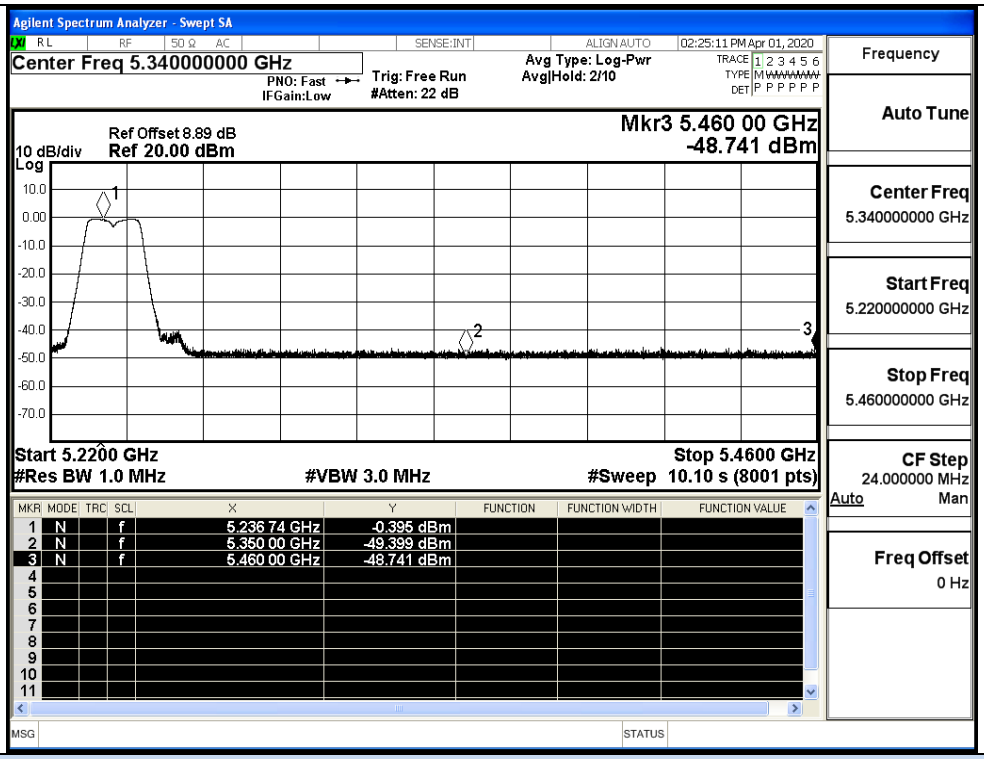
Undesirable Emissions Measurement

IEEE 802.11n40 / Channel 46 / 5230MHz / Peak

IEEE 802.11n40 / Channel 46 / 5230MHz / Average



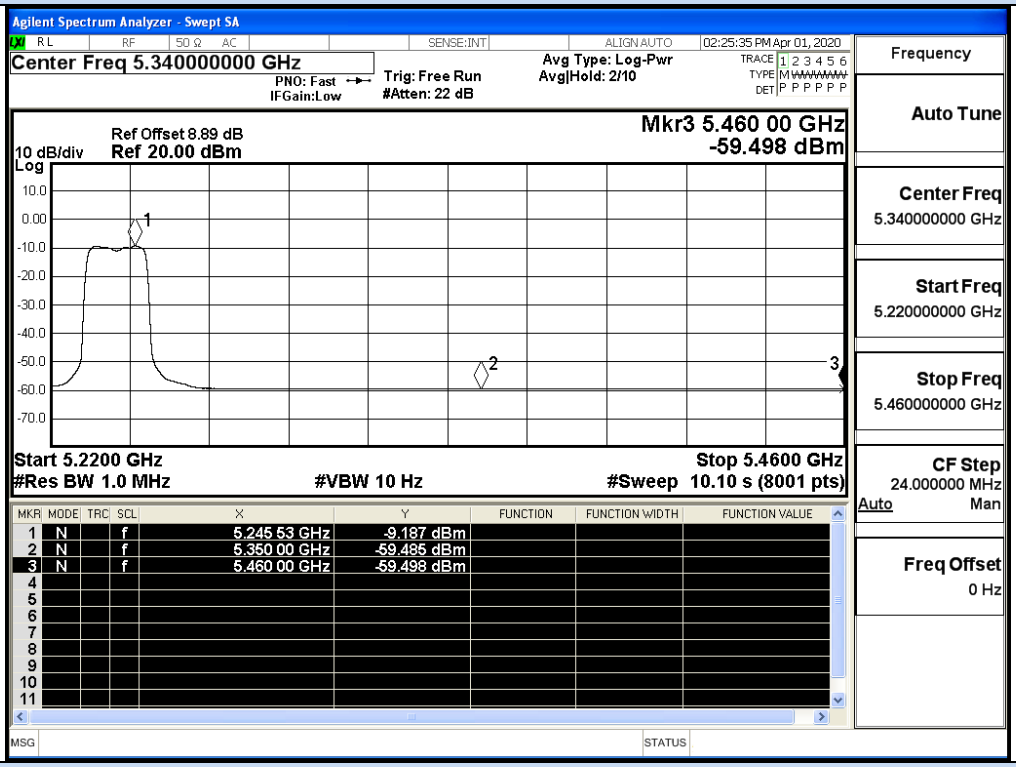
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



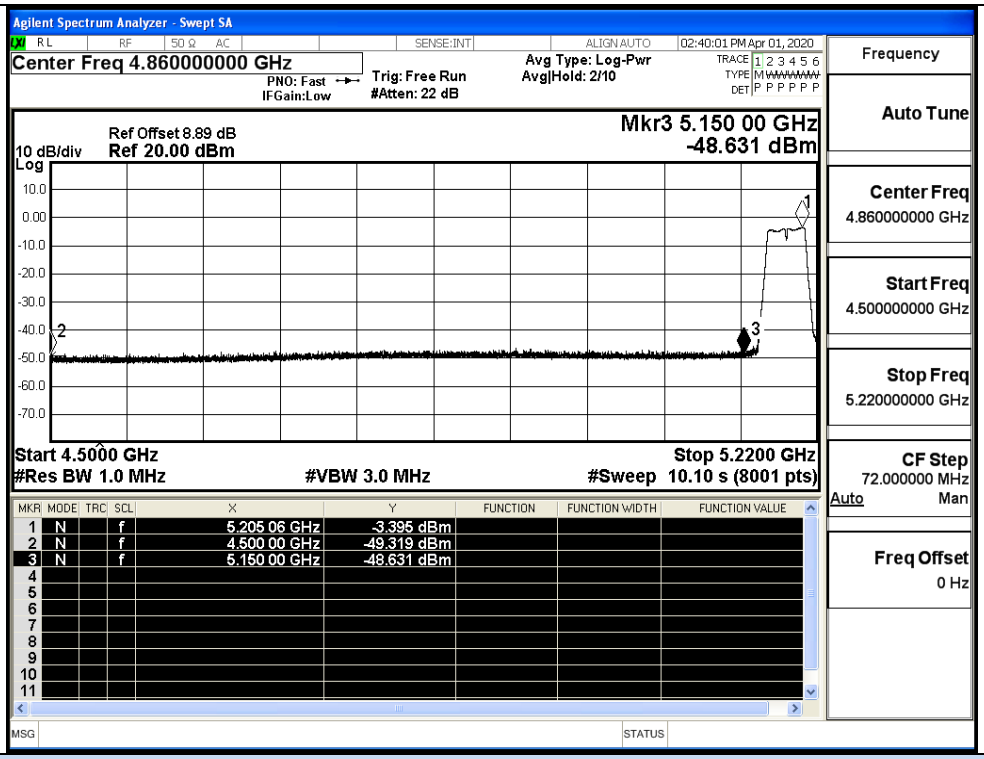
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



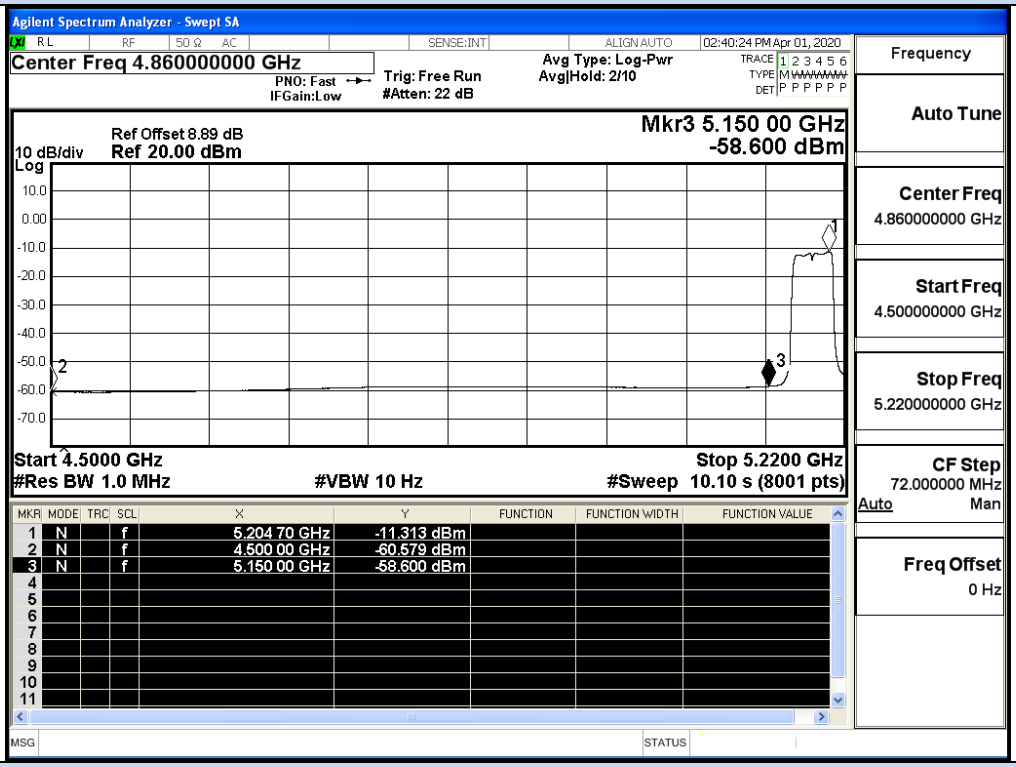
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



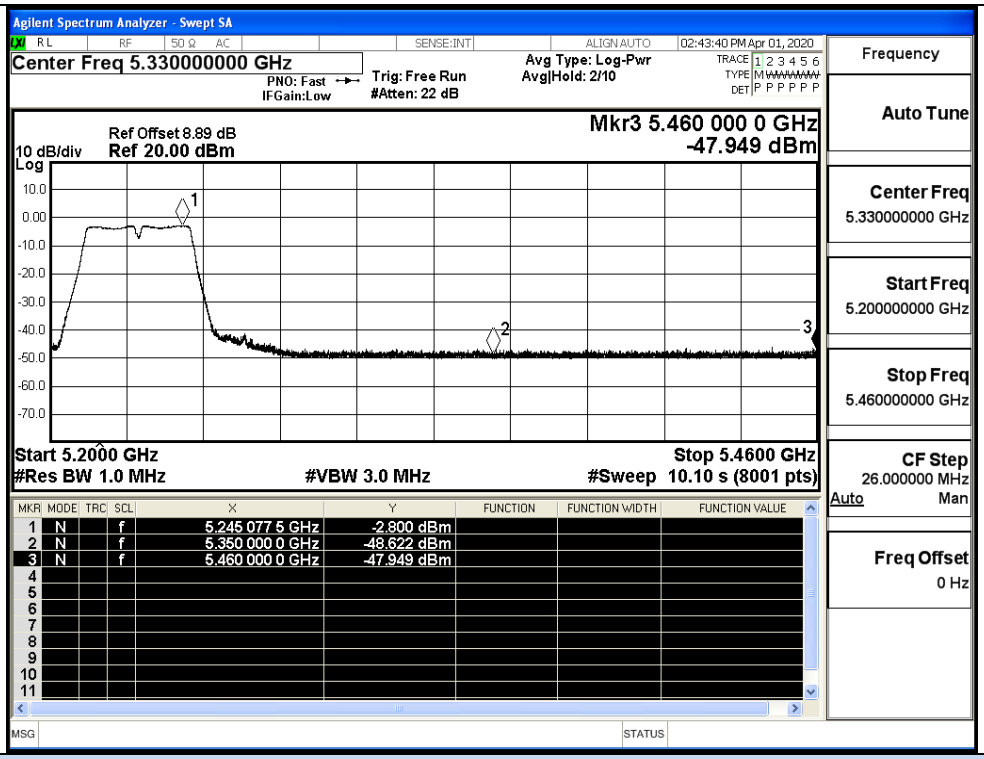
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



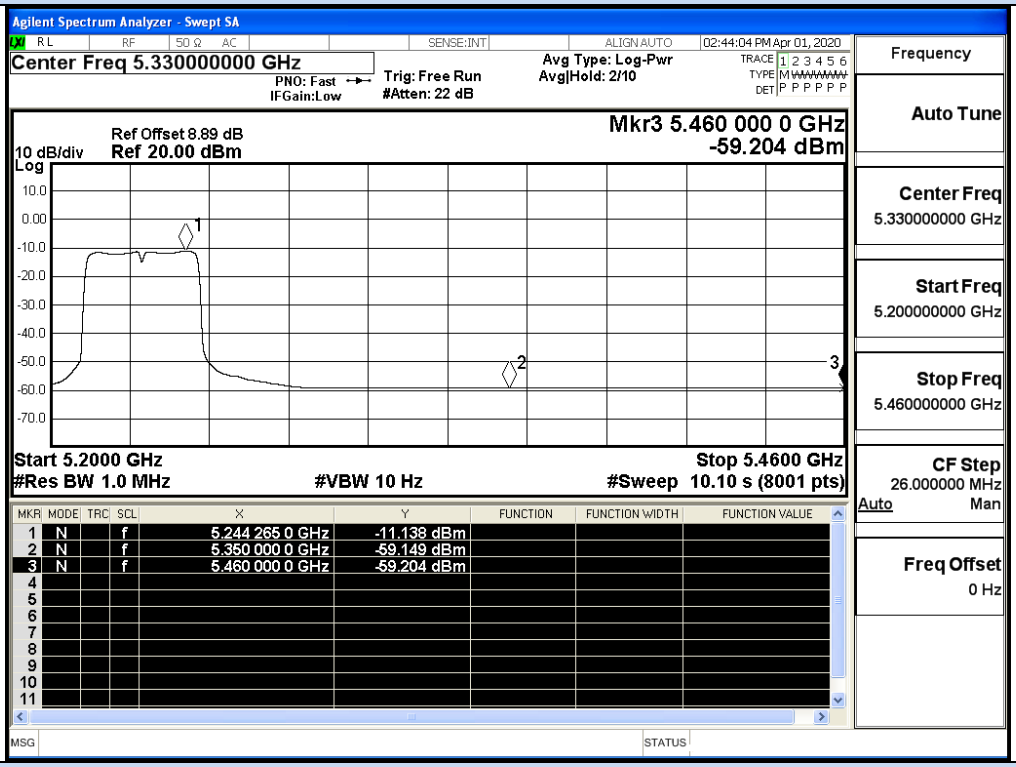
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak



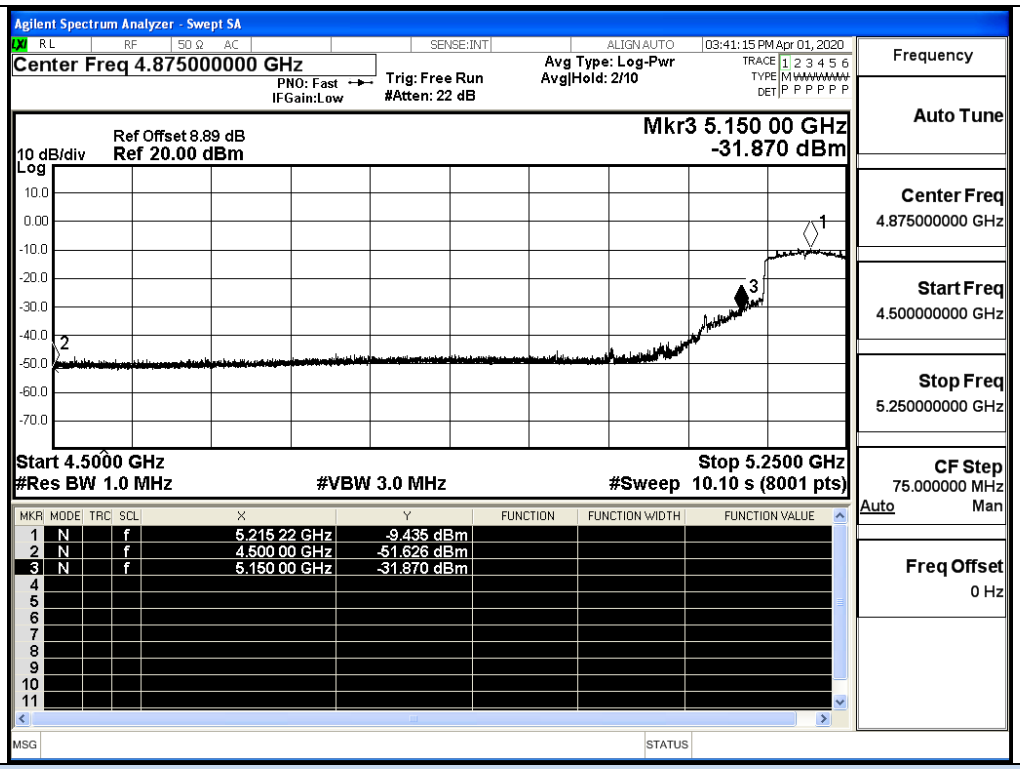
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average



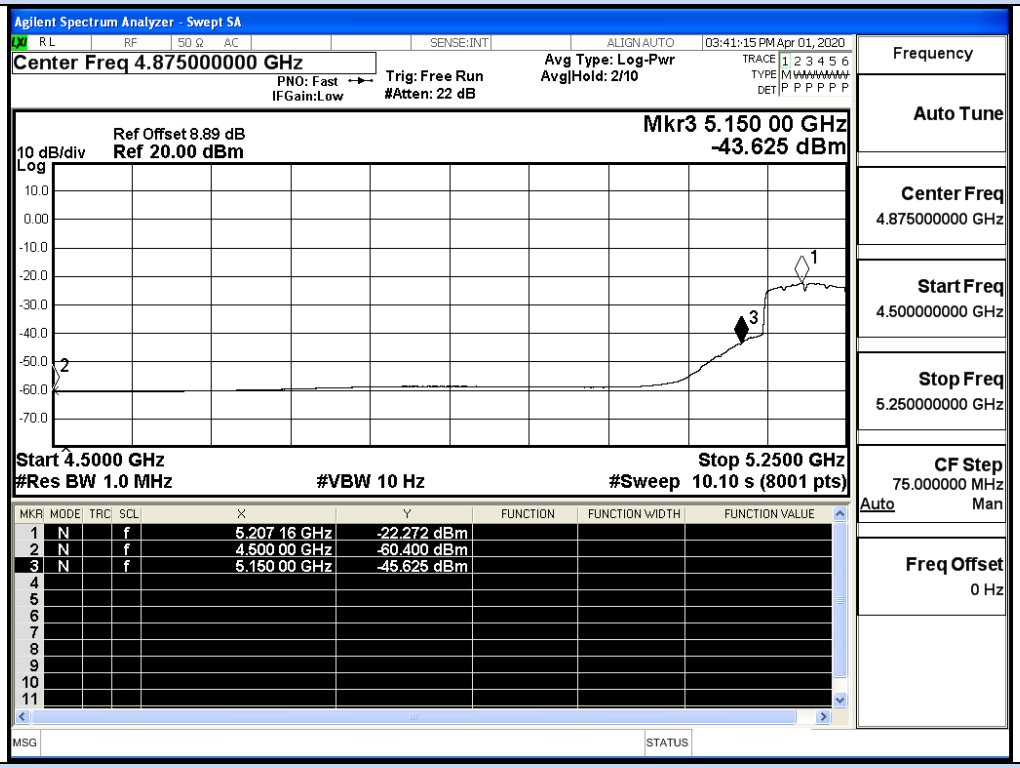
IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak



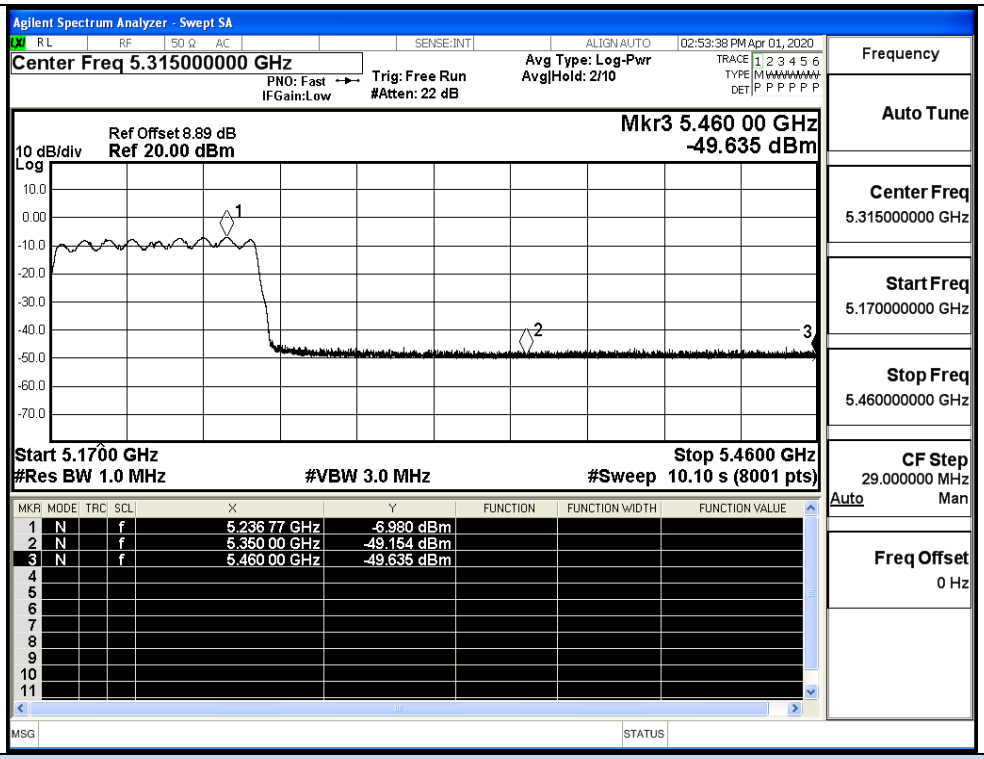
IEEE 802.11ac40 / Channel 46 / 5230MHz / Average



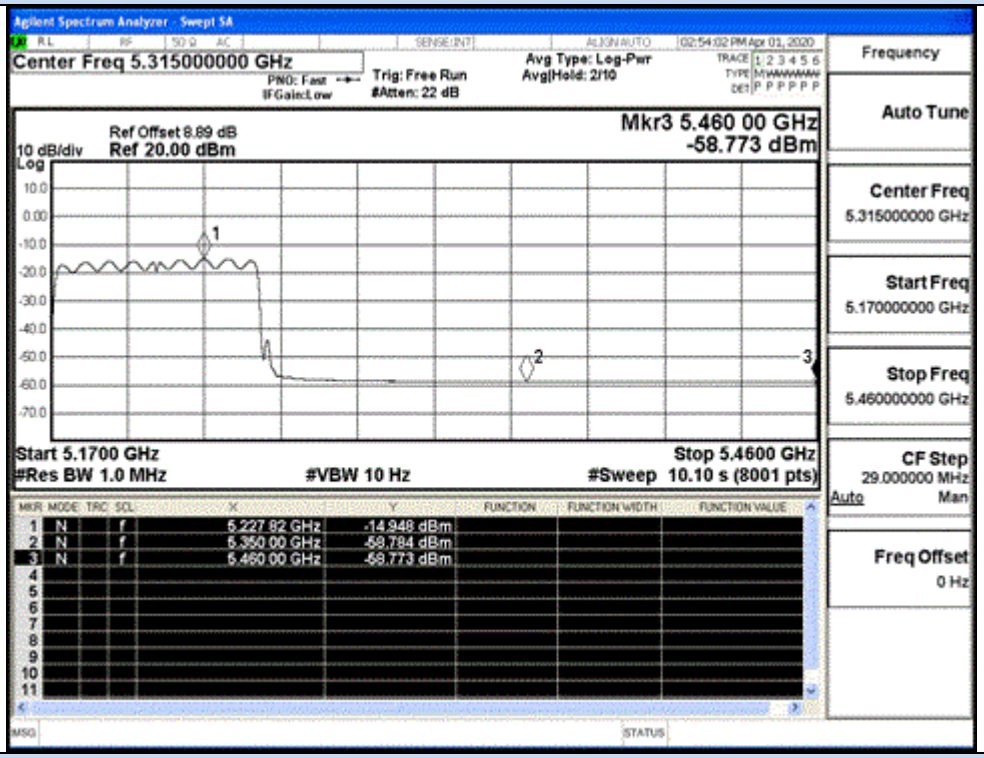
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average

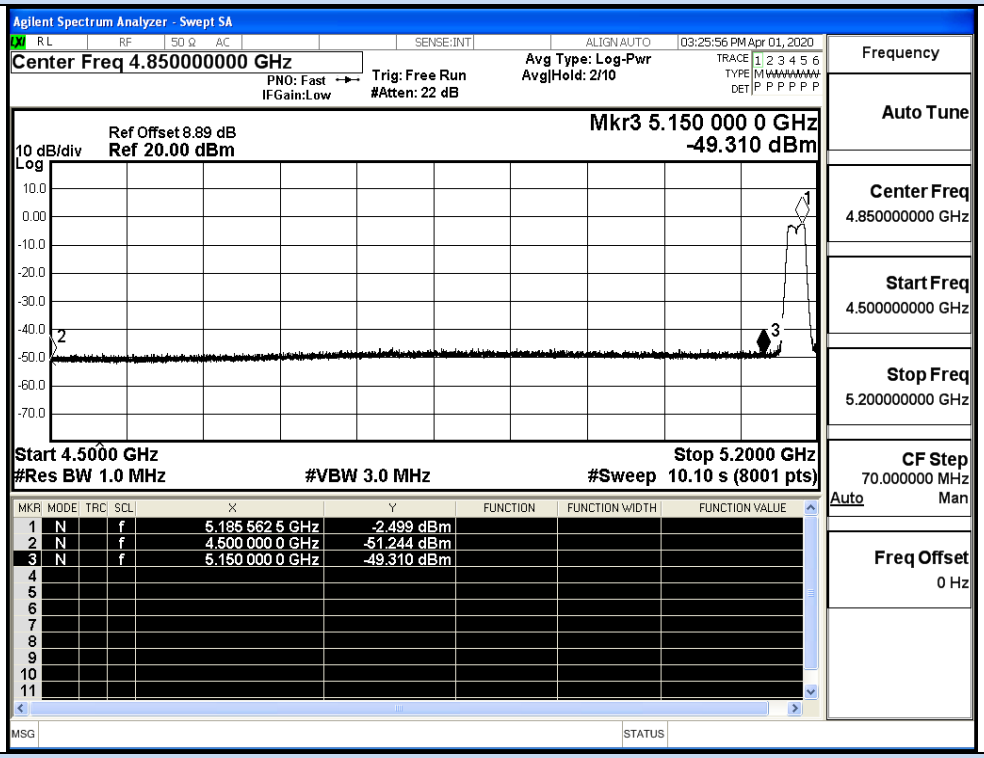


IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak

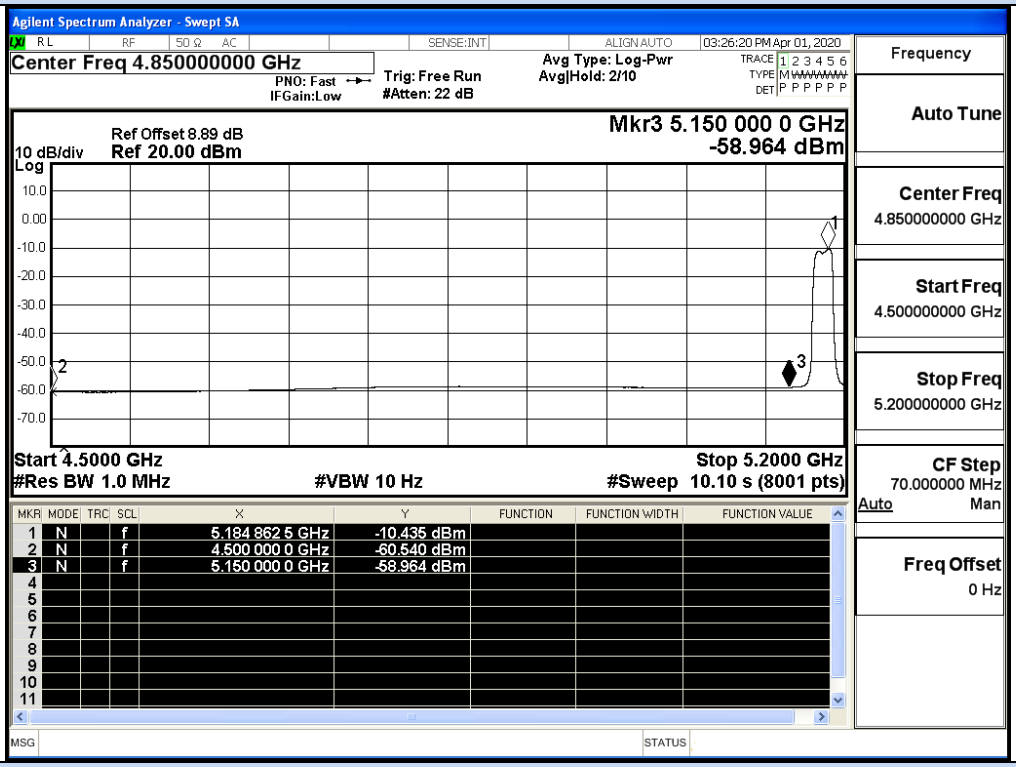


IEEE 802.11ac80 / Channel 42 / 5210MHz / Average

Undesirable Emissions Measurement_Ant_1

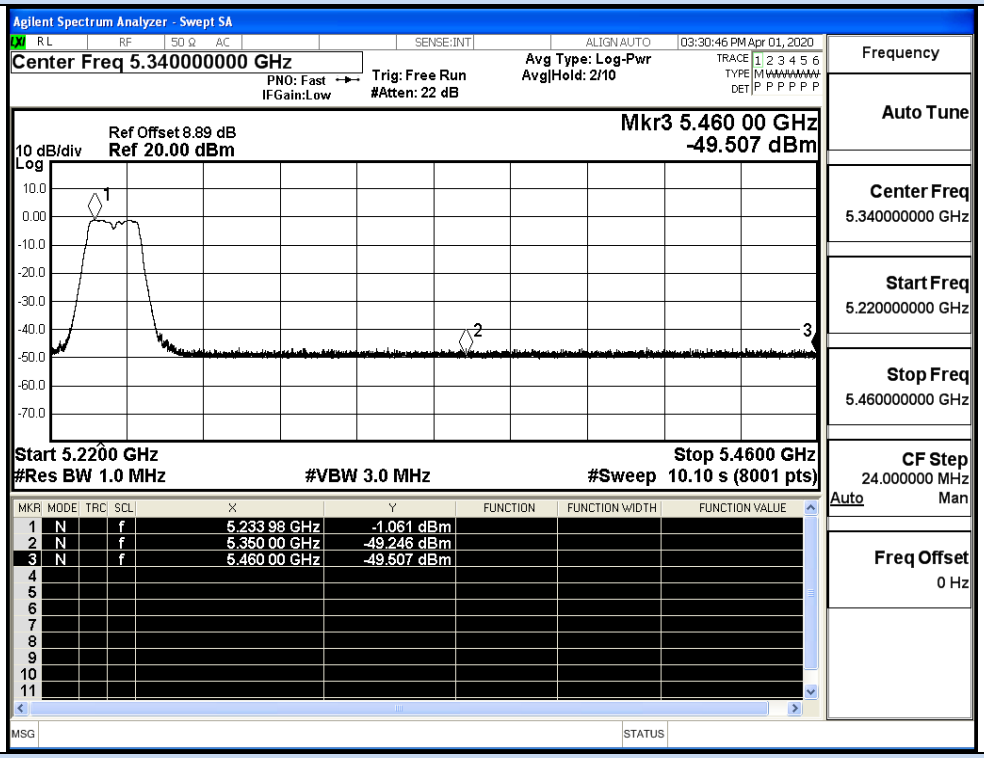


IEEE 802.11a / Channel 36 / 5180MHz / Peak

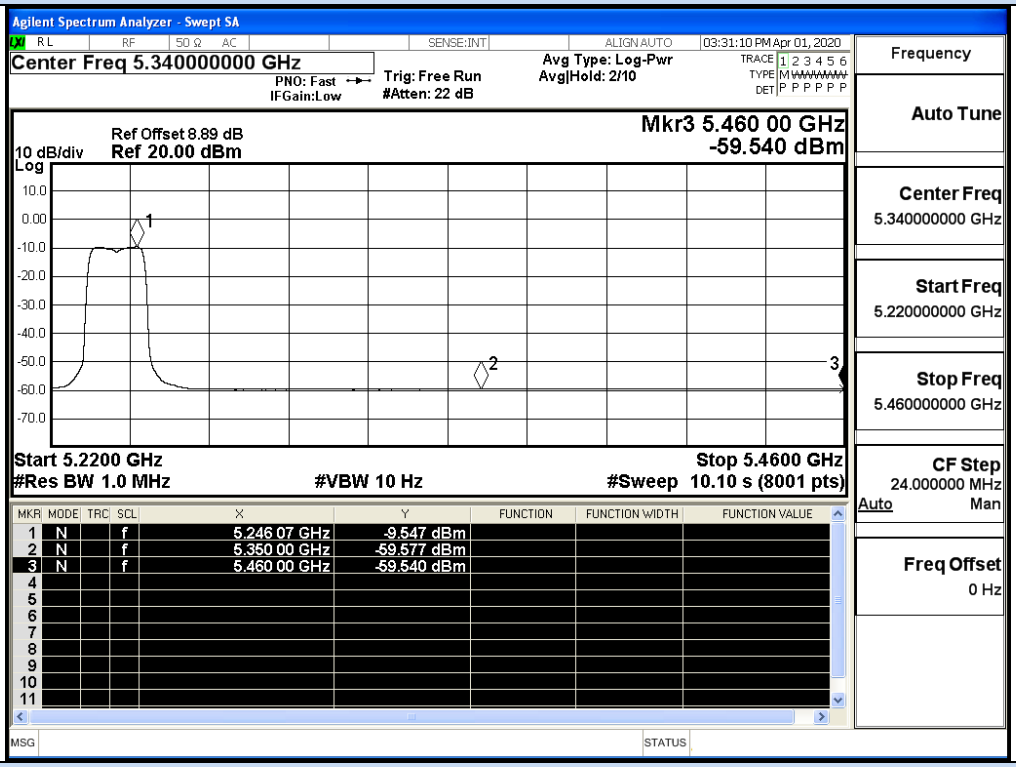


IEEE 802.11a / Channel 36 / 5180MHz / Average

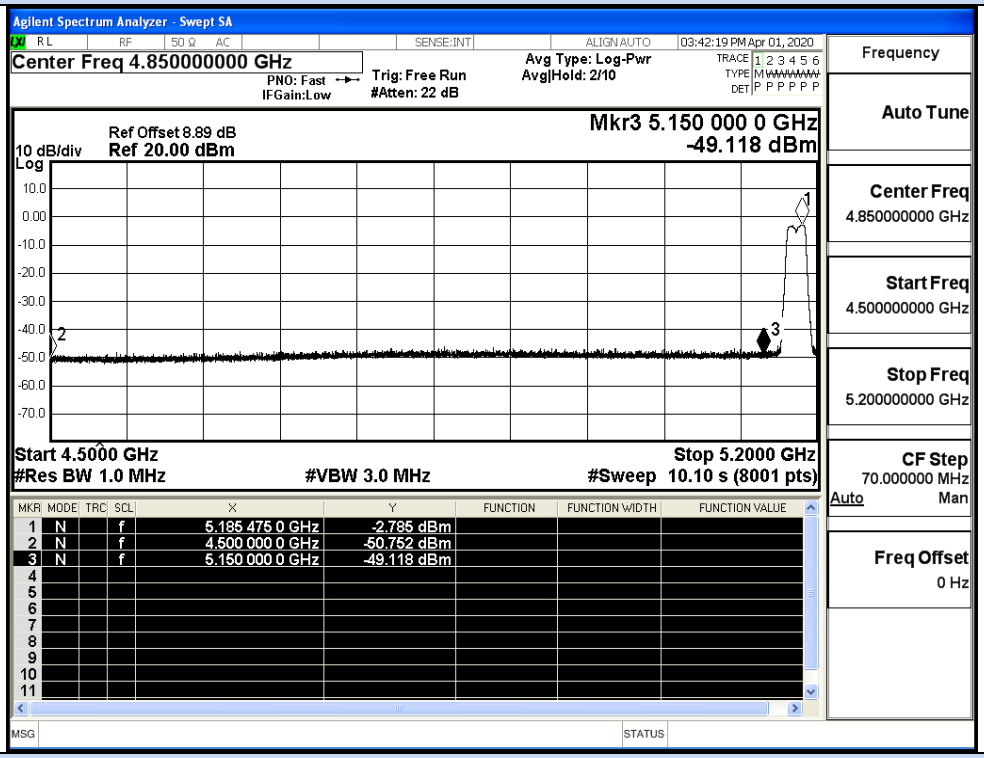
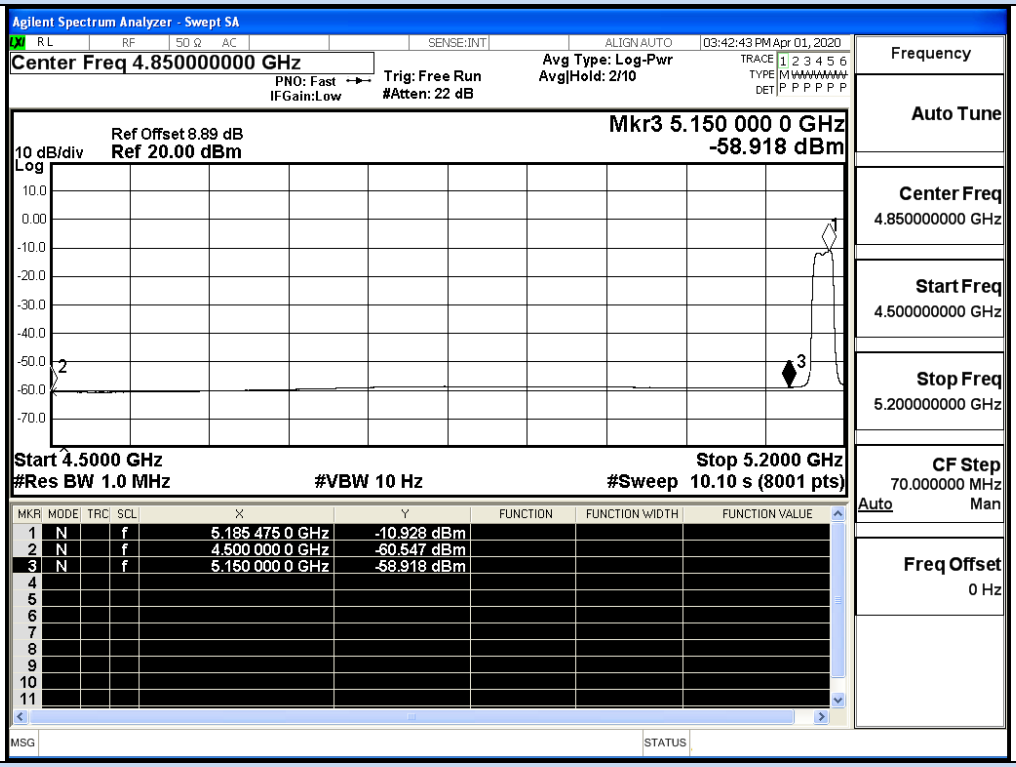
Undesirable Emissions Measurement

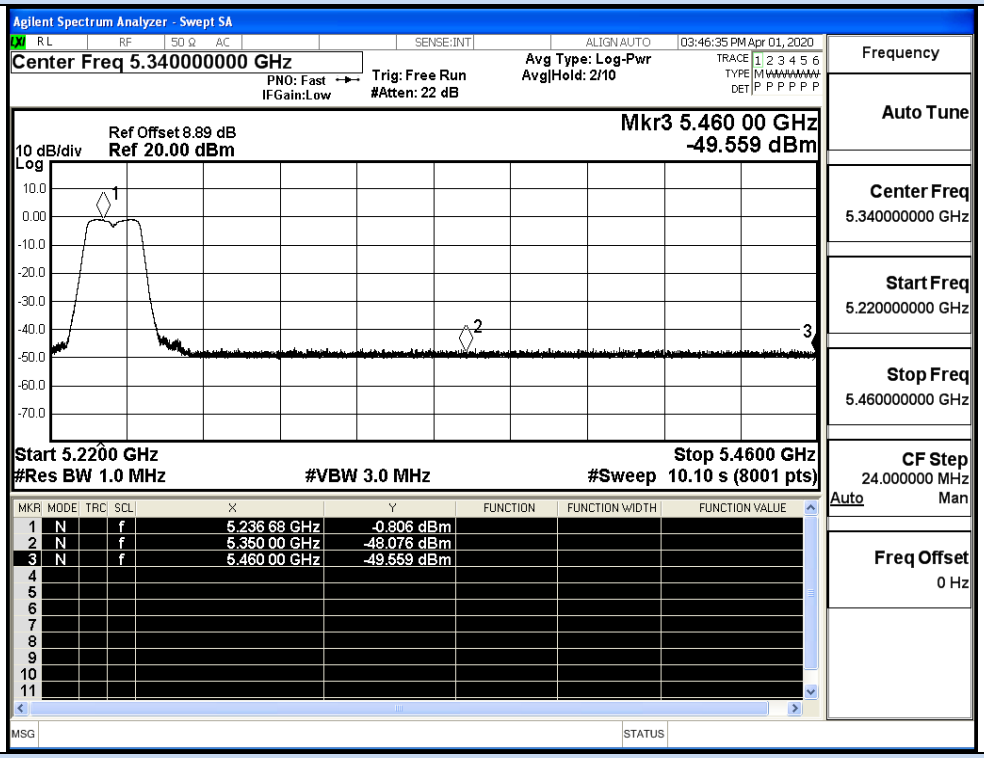
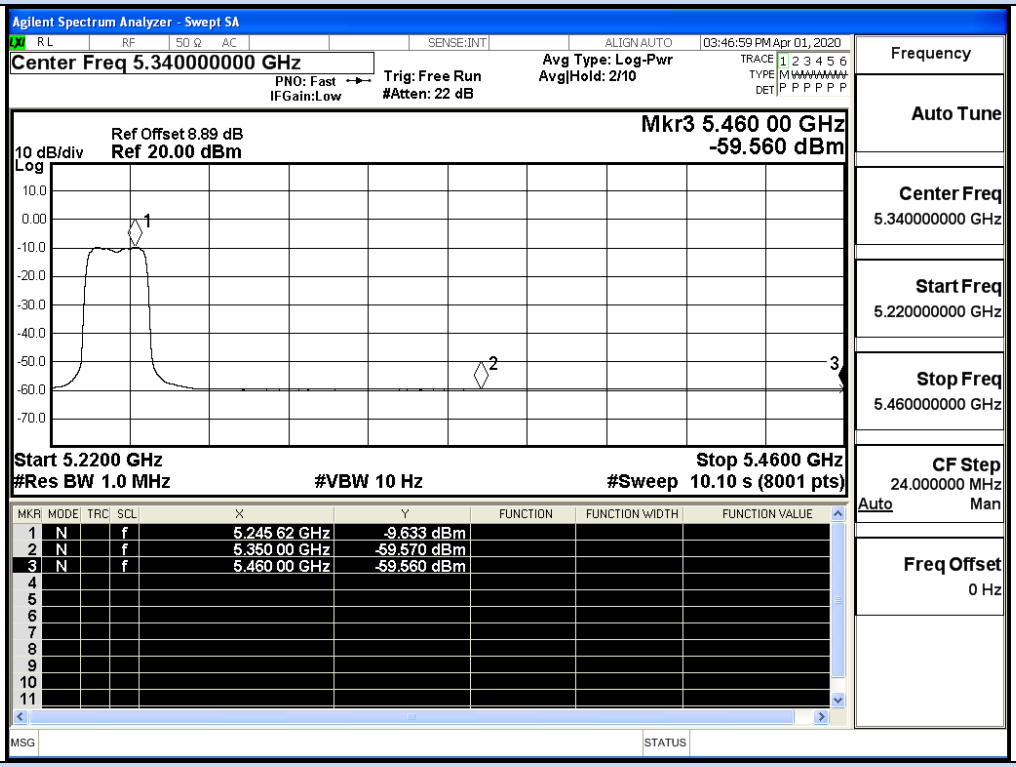


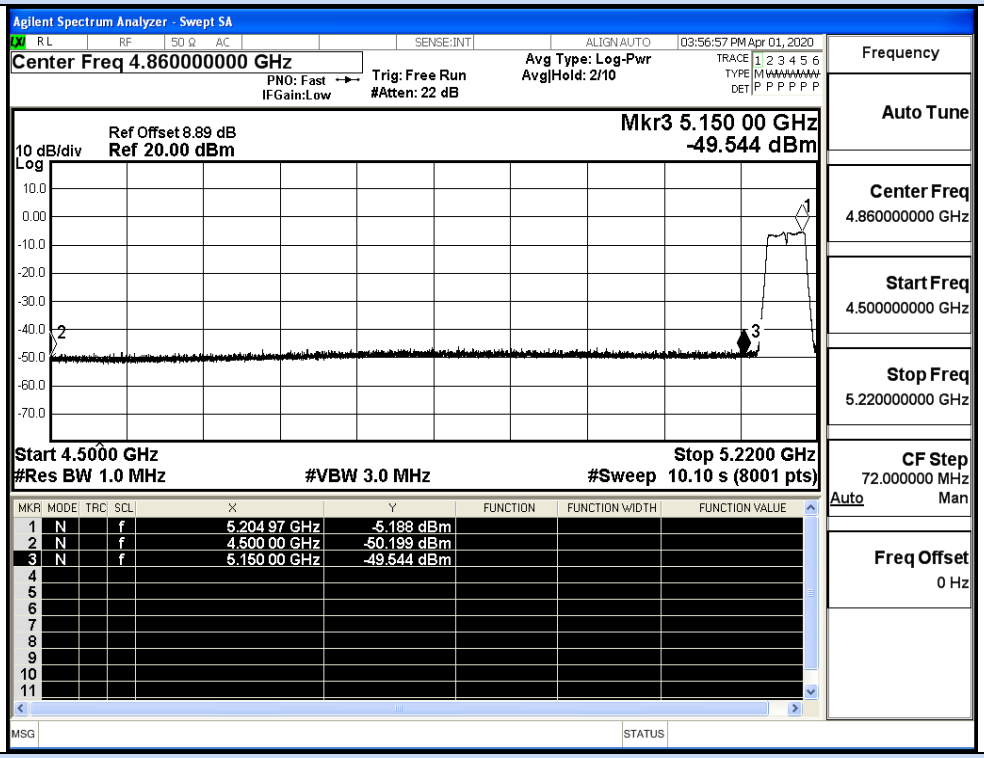
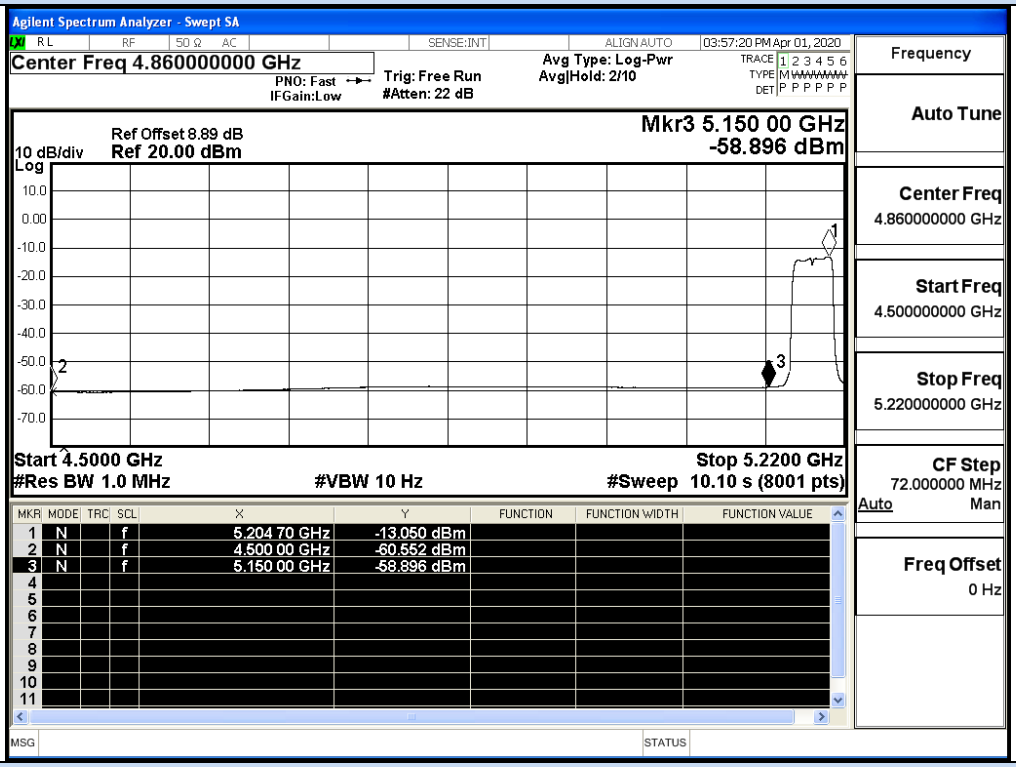
IEEE 802.11a / Channel 48 / 5240MHz / Peak

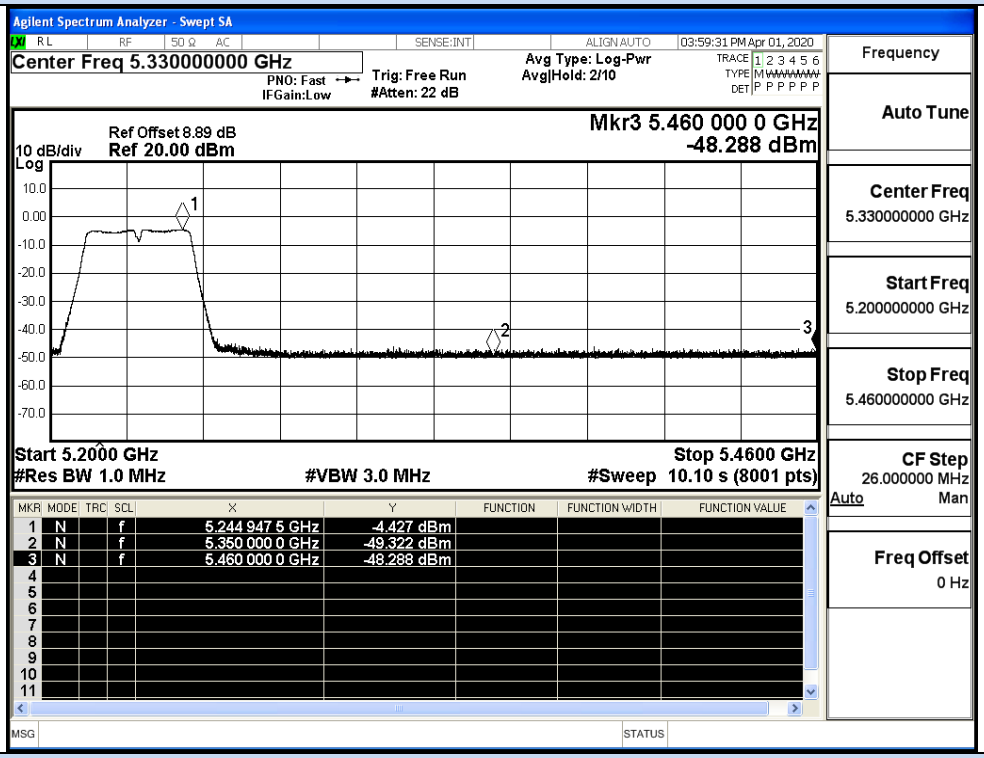
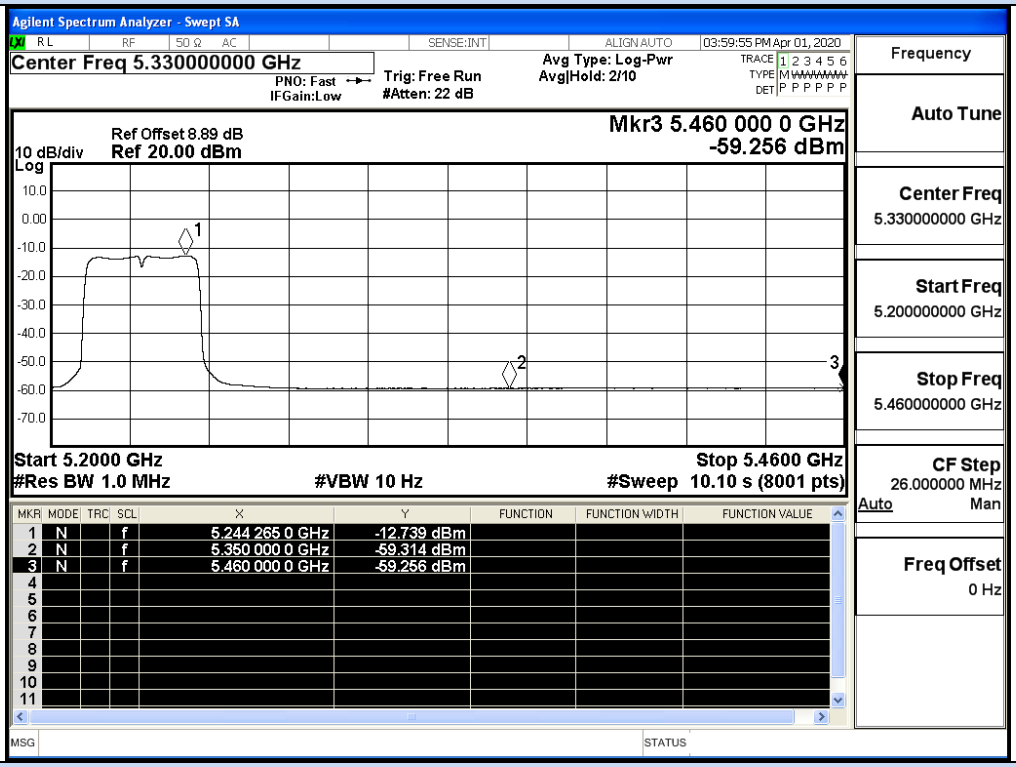


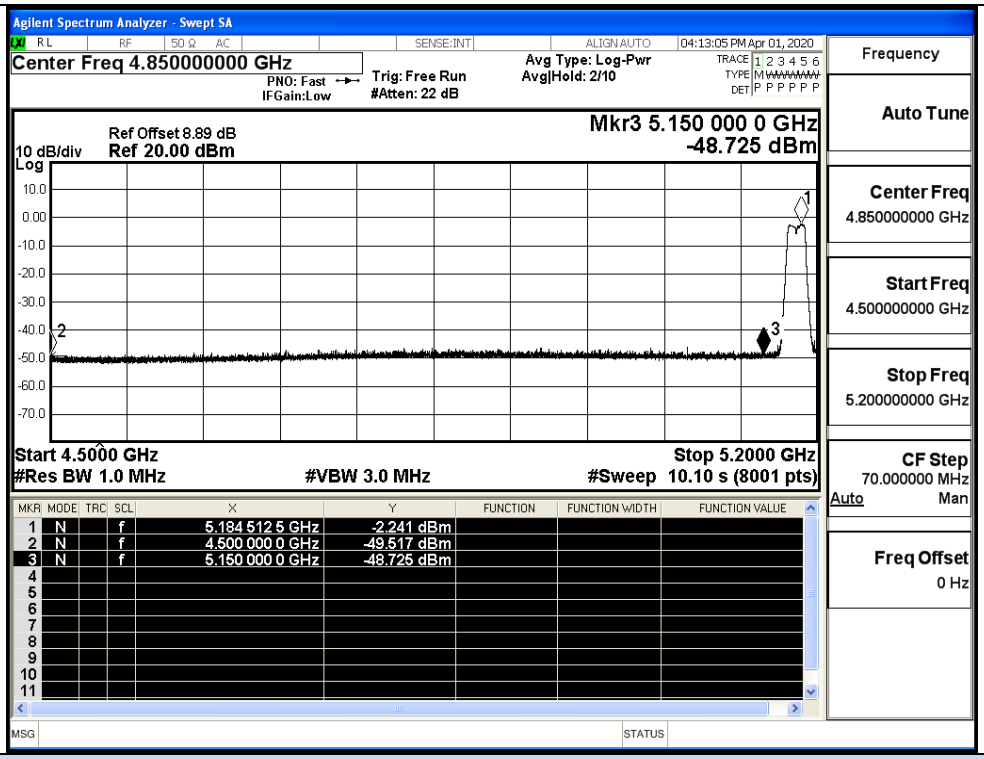
IEEE 802.11a / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

IEEE 802.11n20 / Channel 36 / 5180MHz / Peak

IEEE 802.11n20 / Channel 36 / 5180MHz / Average

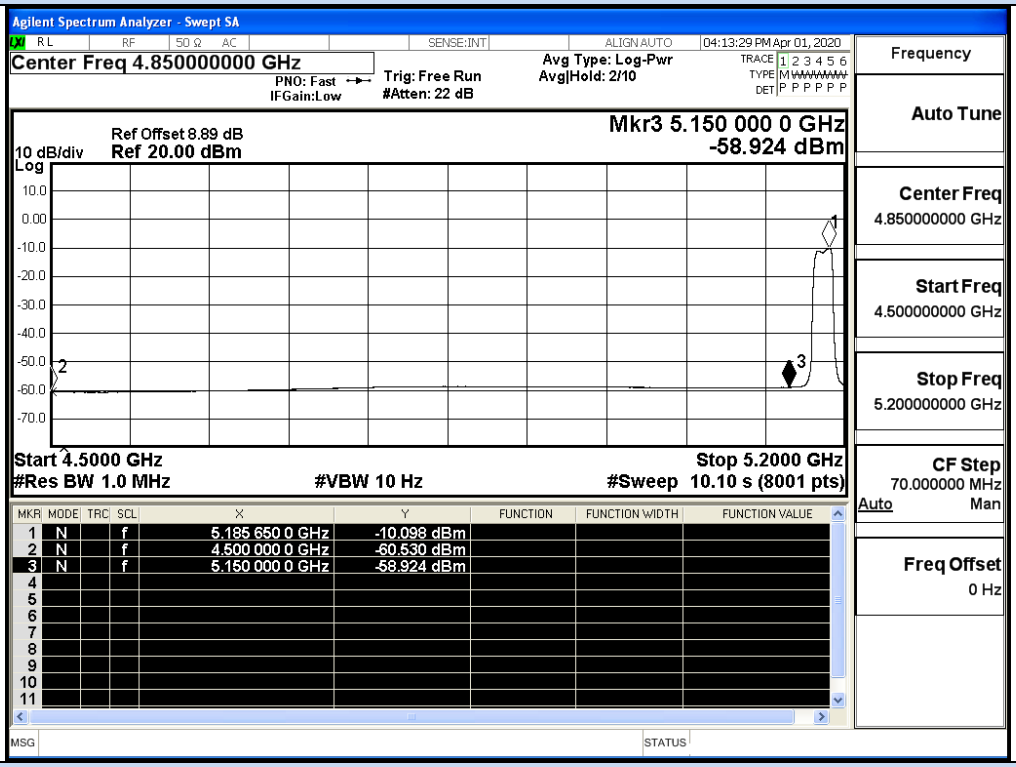
Undesirable Emissions Measurement

IEEE 802.11n20 / Channel 48 / 5240MHz / Peak

IEEE 802.11n20 / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

IEEE 802.11n40 / Channel 38 / 5190MHz / Average

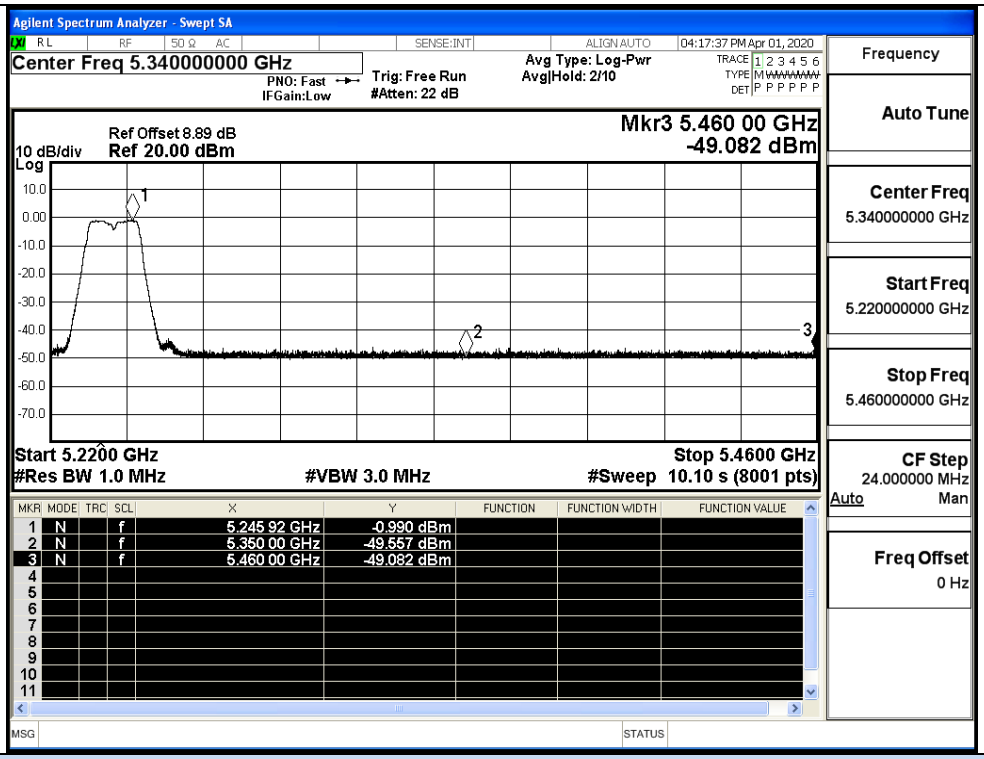
Undesirable Emissions Measurement

IEEE 802.11n40 / Channel 46 / 5230MHz / Peak

IEEE 802.11n40 / Channel 46 / 5230MHz / Average



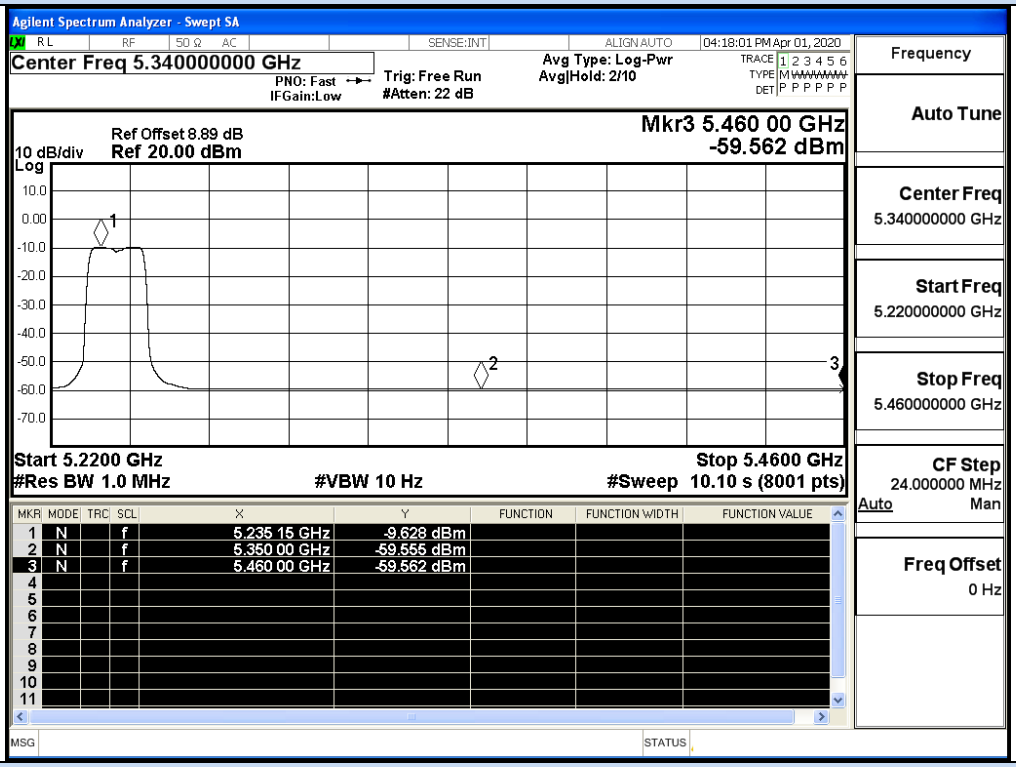
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



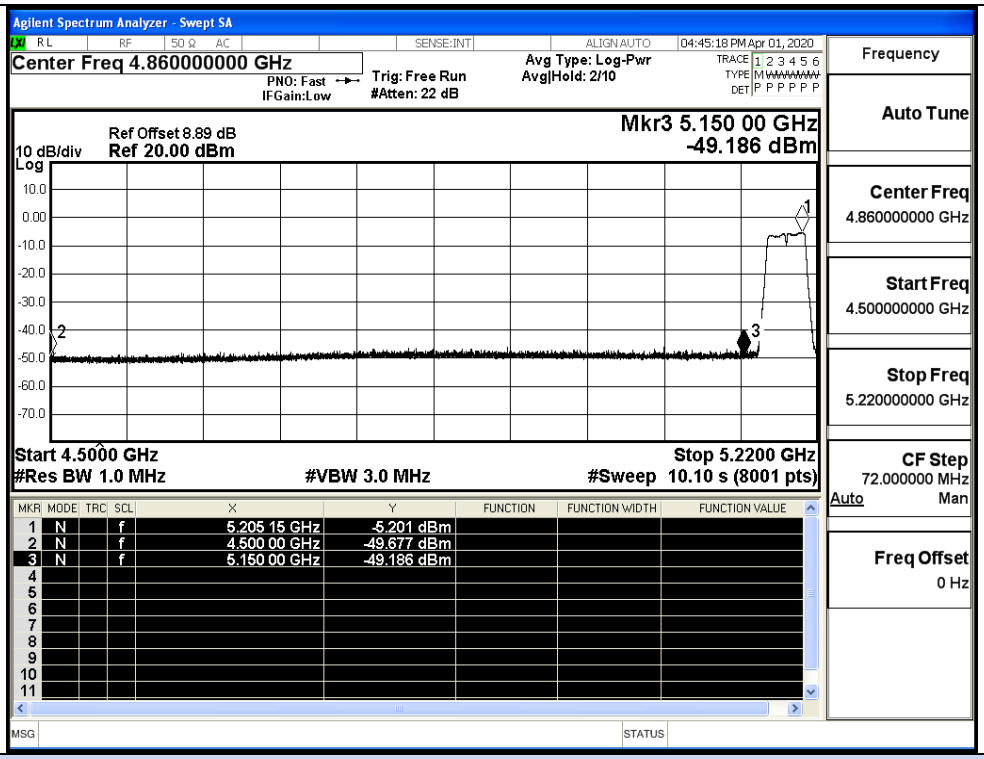
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



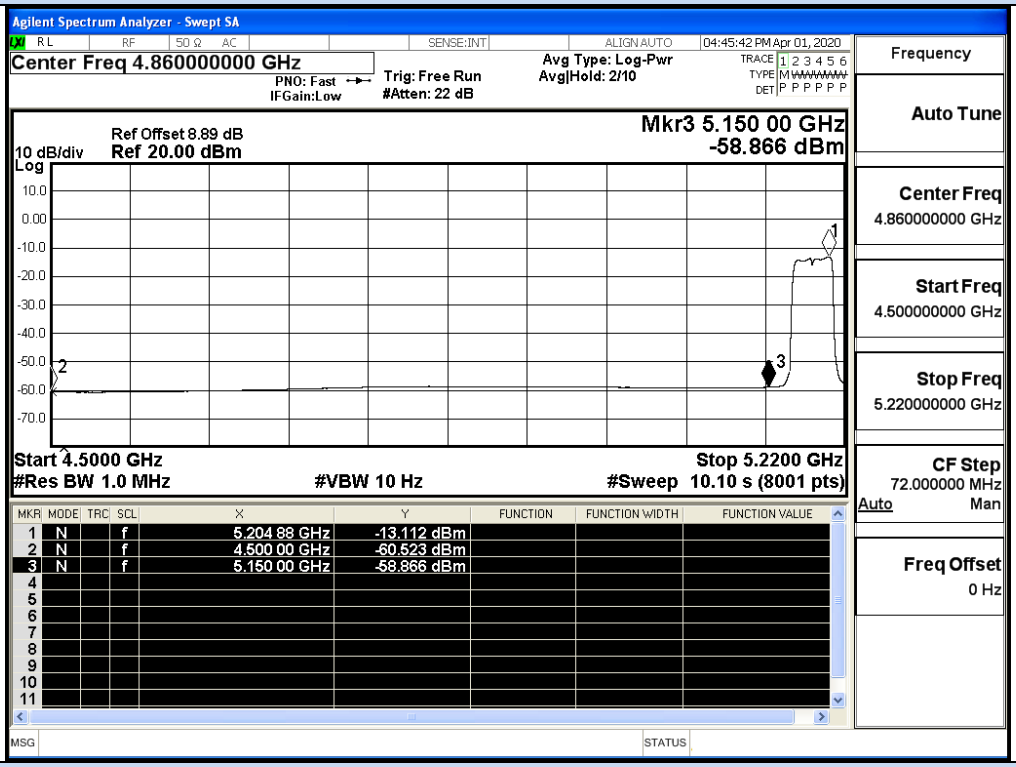
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



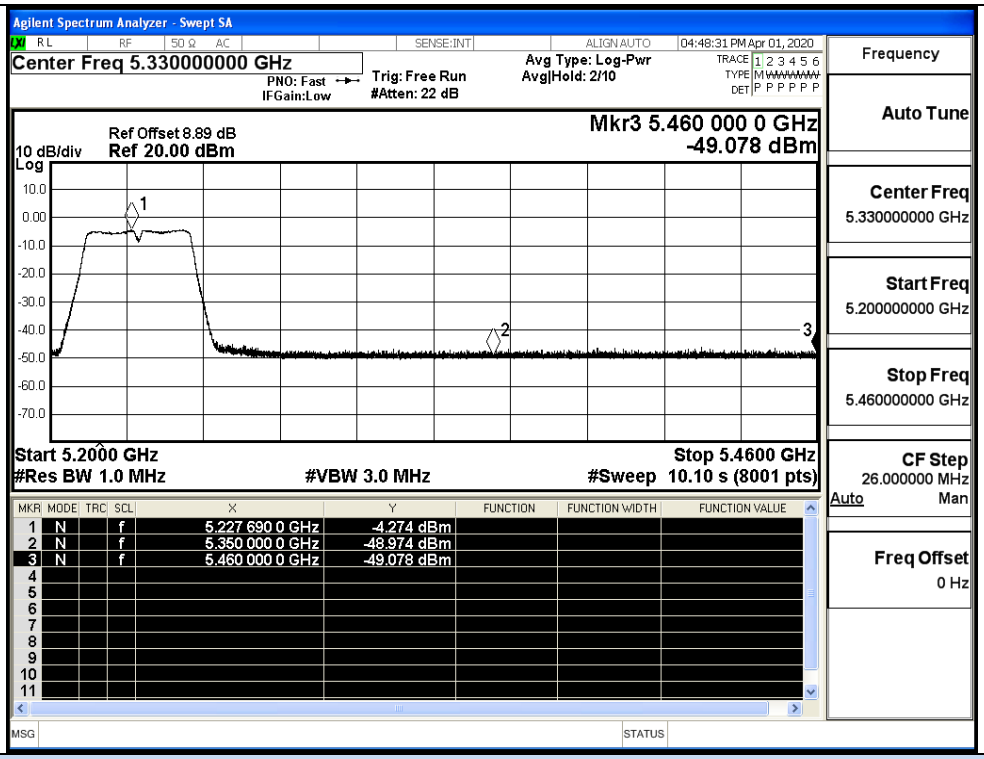
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



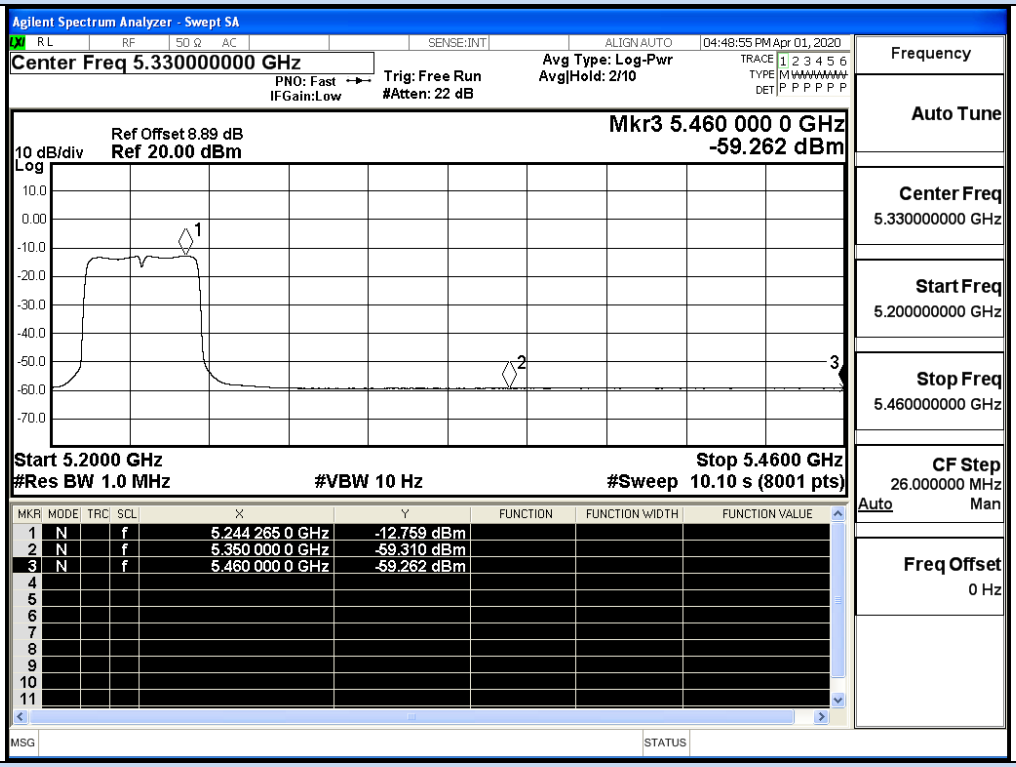
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak



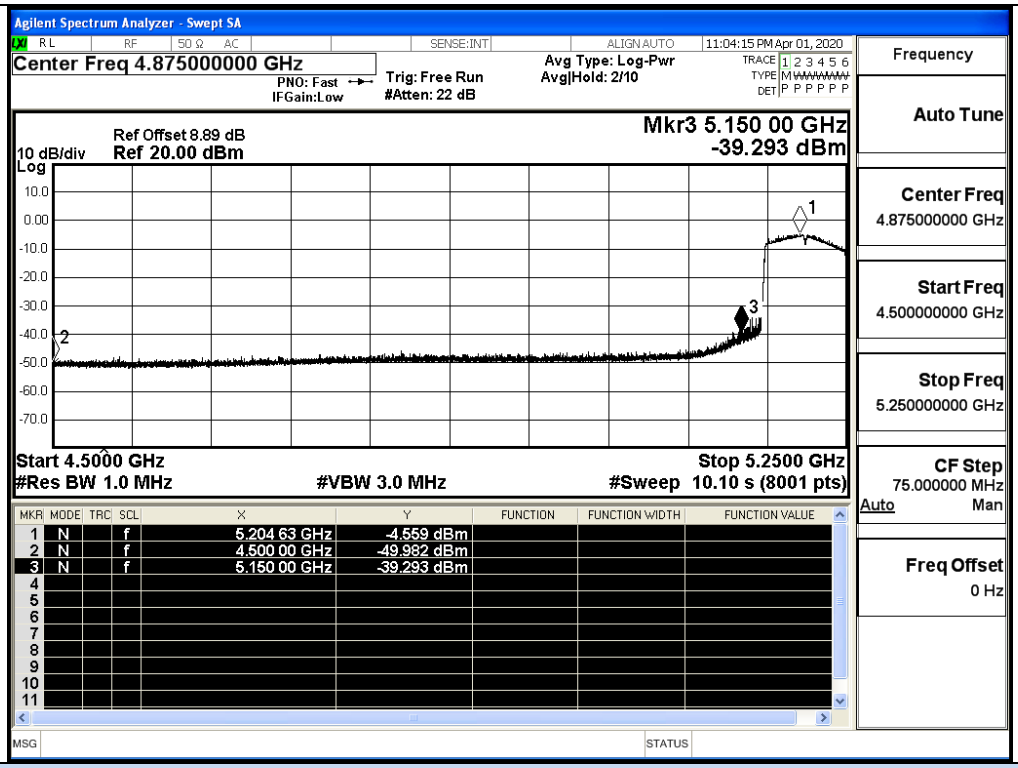
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average



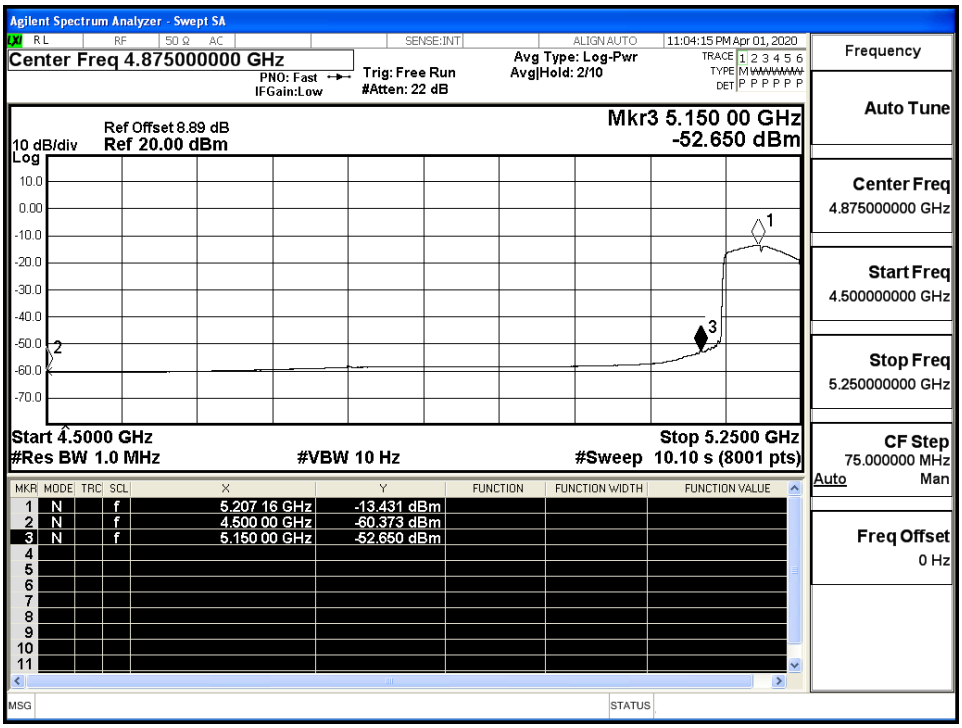
IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak



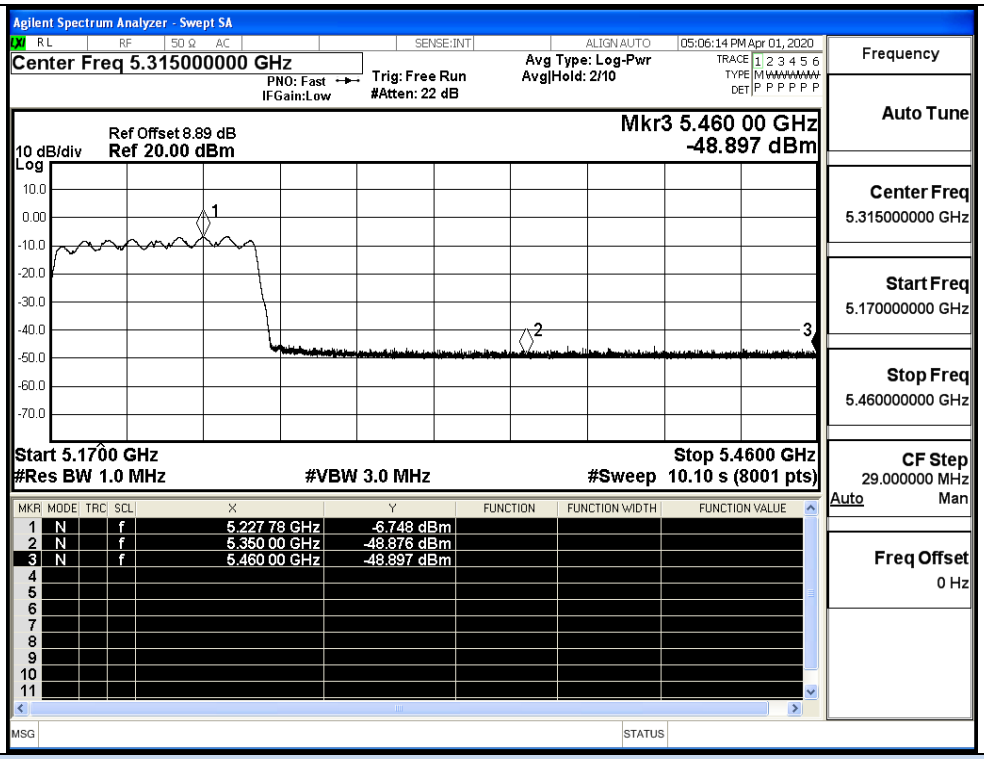
IEEE 802.11ac40 / Channel 46 / 5230MHz / Average



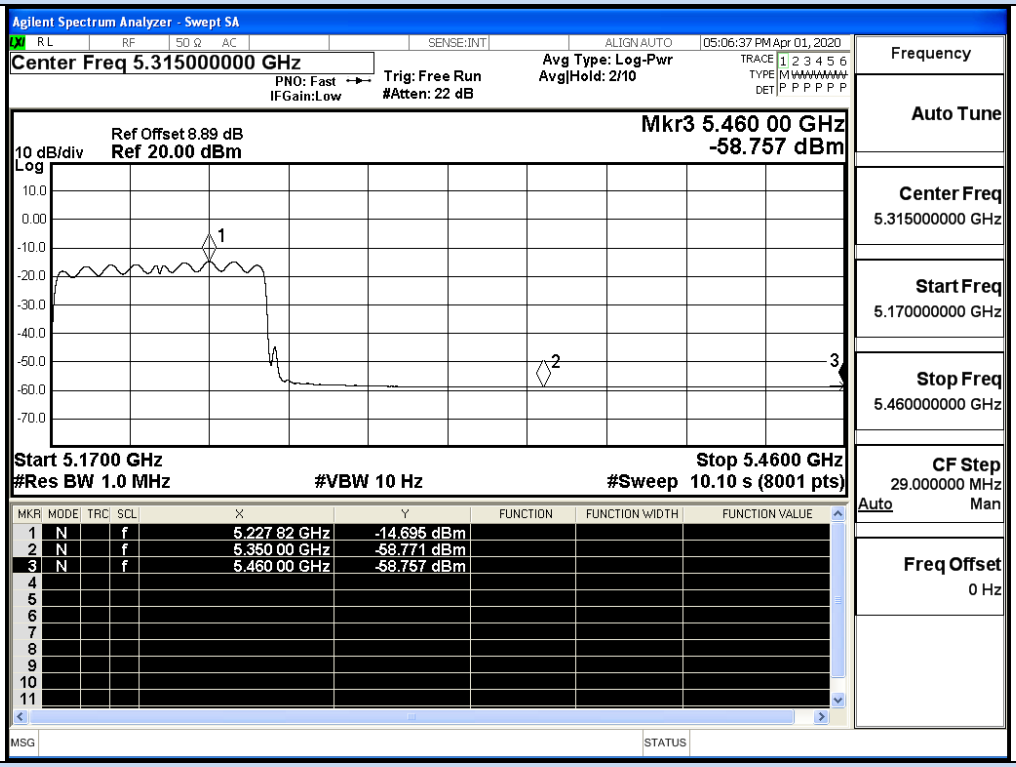
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average



IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average