

Appendix E

RF Test Data for 5.3G WLAN (Conducted Measurement)

Product Name: Laptop

Trade Mark: N/A

Test Model: ACL1

Environmental Conditions

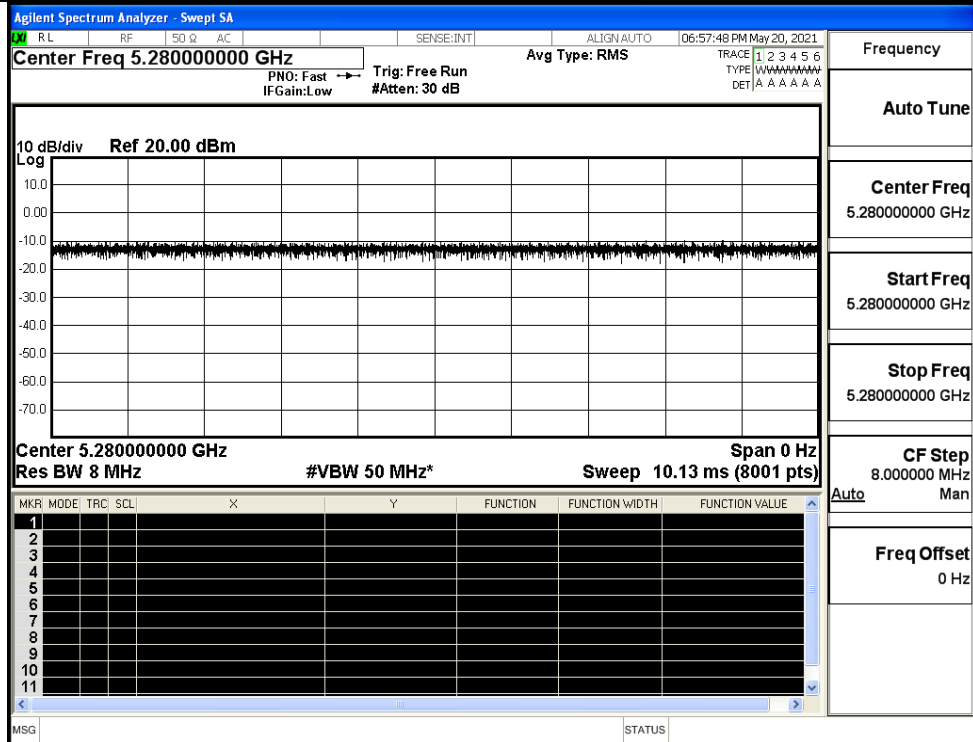
Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

E.1 Duty Cycle

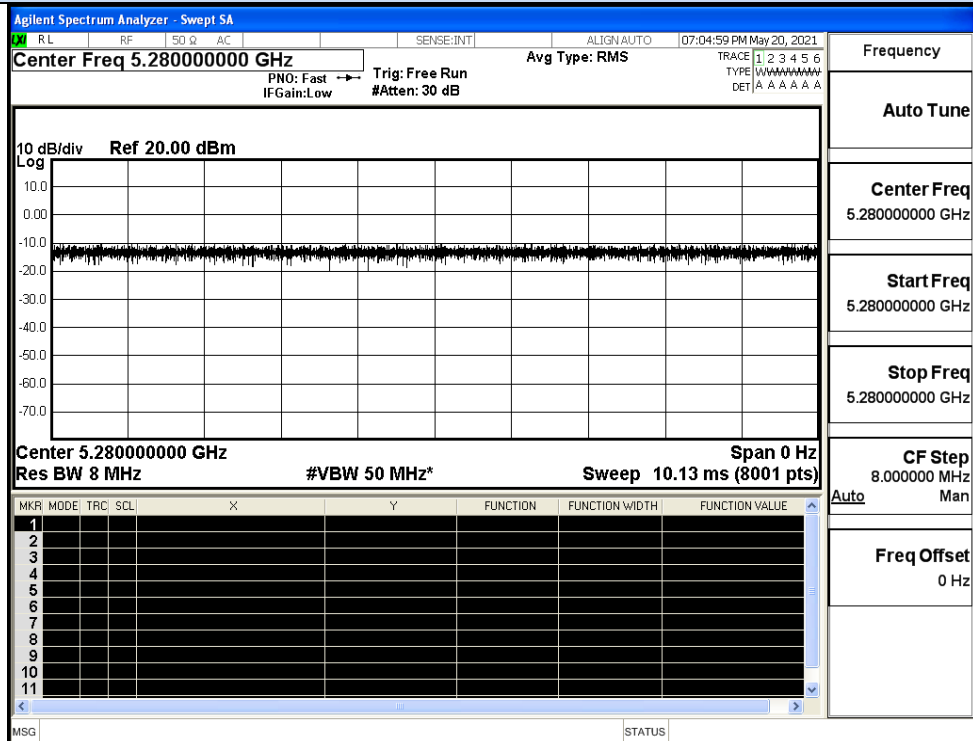
ANT0

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5280	100	0.00	0.01
11N20 SISO	5280	100	0.00	0.01
11N40 SISO	5270	100	0.00	0.01
11AC20 SISO	5280	100	0.00	0.01
11AC40 SISO	5270	100	0.00	0.01
11AC80 SISO	5290	100	0.00	0.01

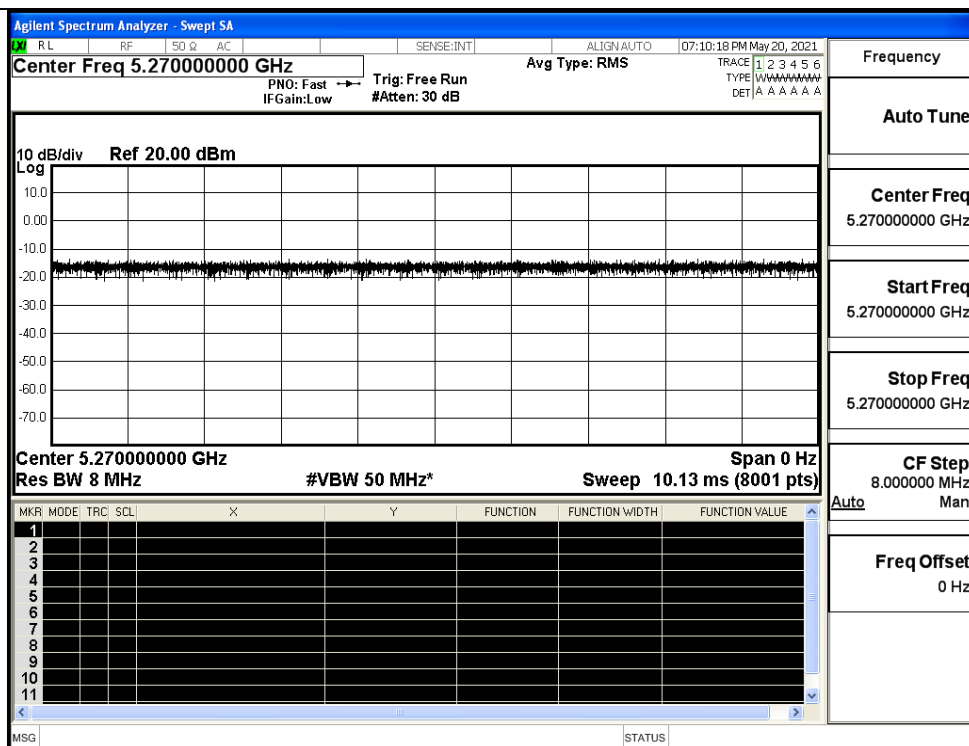
On Time and Duty Cycle



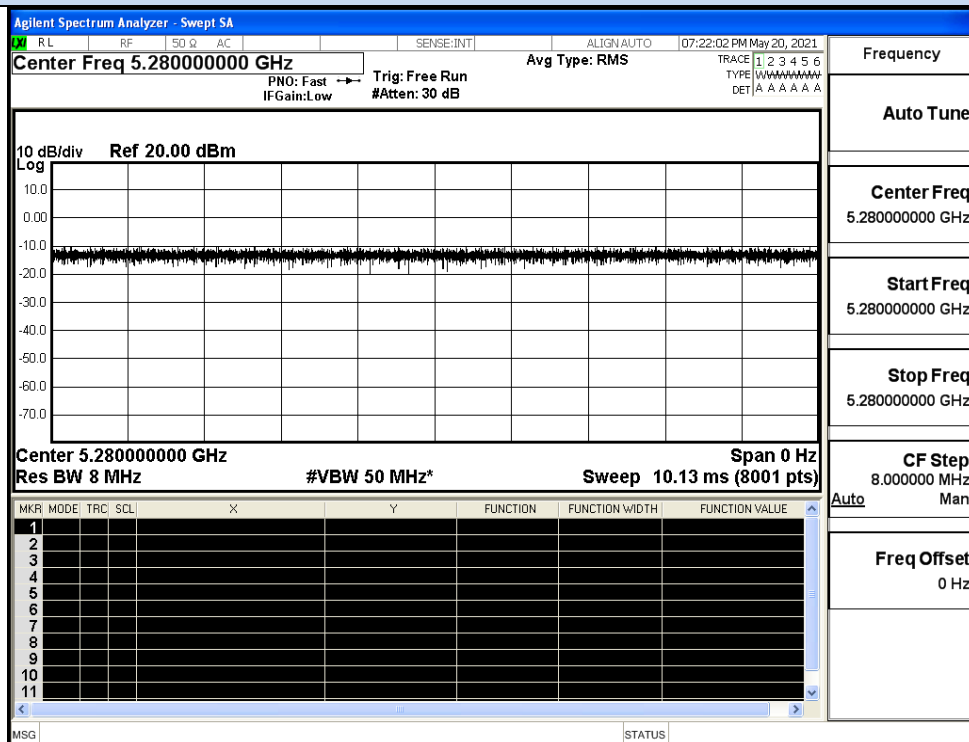
IEEE 802.11a



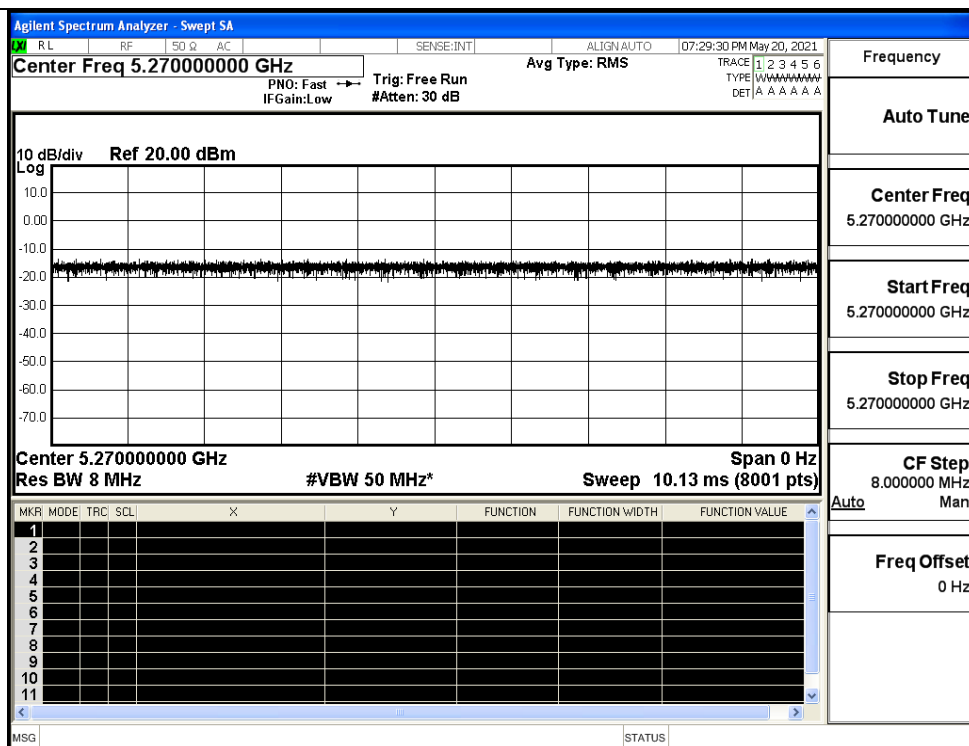
IEEE 802.11n HT20



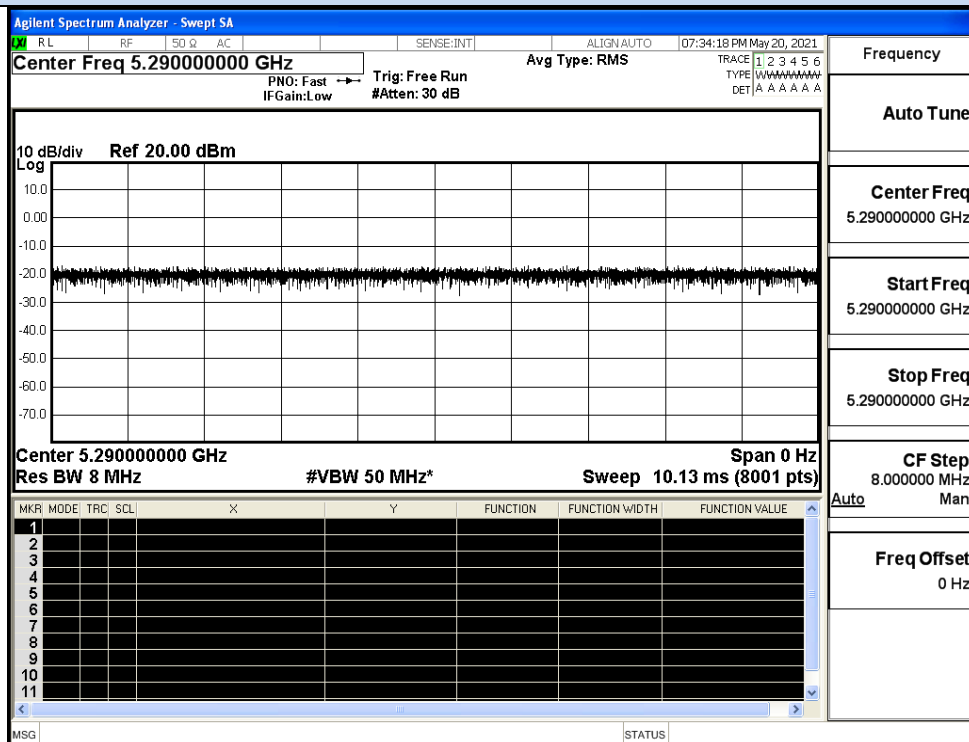
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11 AC40

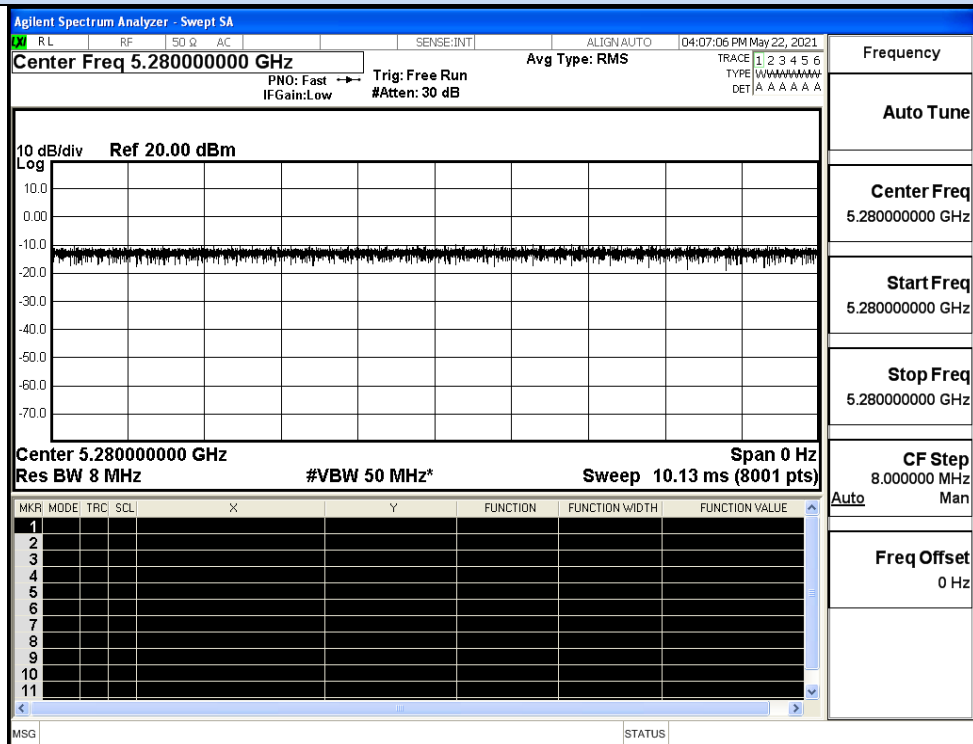


IEEE 802.11AC80

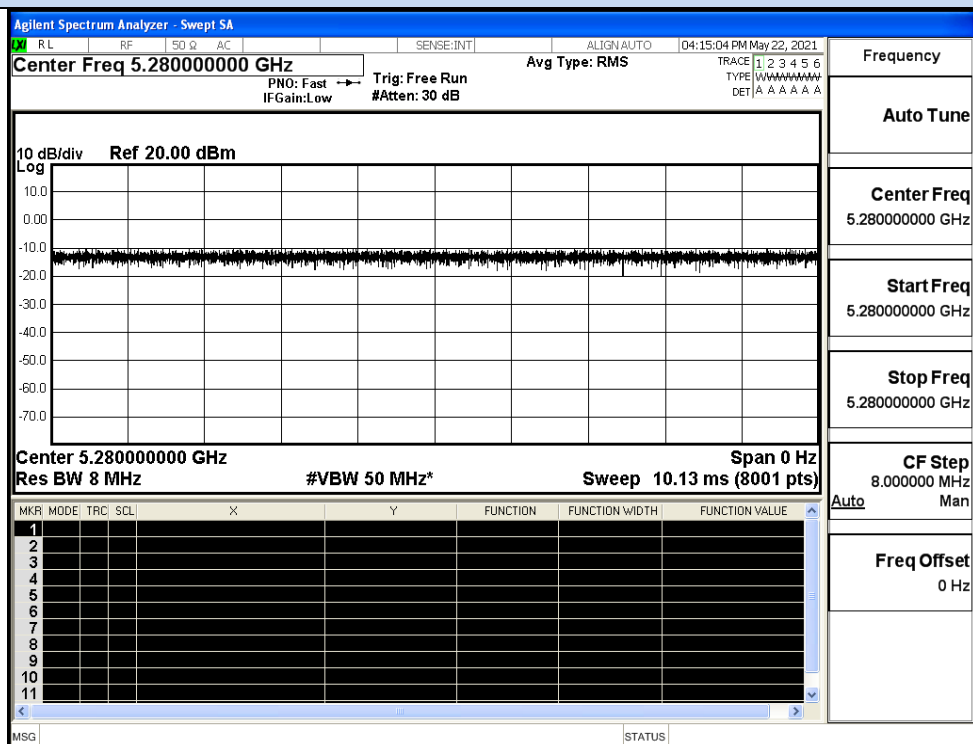
ANT1

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5280	100	0.00	0.01
11N20 SISO	5280	100	0.00	0.01
11N40 SISO	5270	100	0.00	0.01
11AC20 SISO	5280	100	0.00	0.01
11AC40 SISO	5270	100	0.00	0.01
11AC80 SISO	5290	100	0.00	0.01

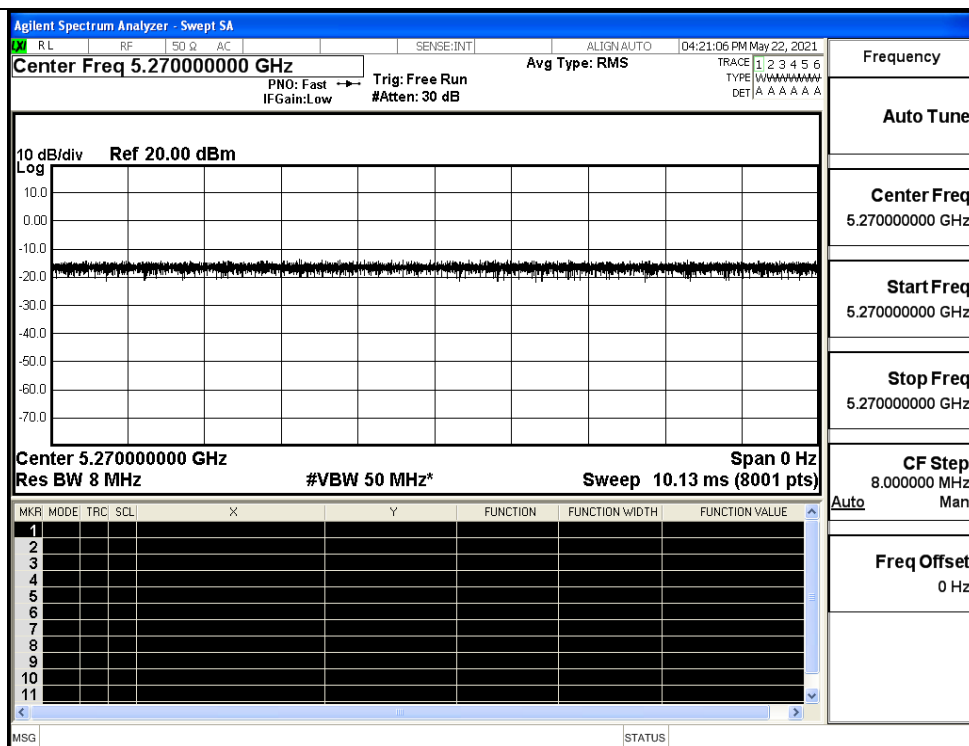
On Time and Duty Cycle



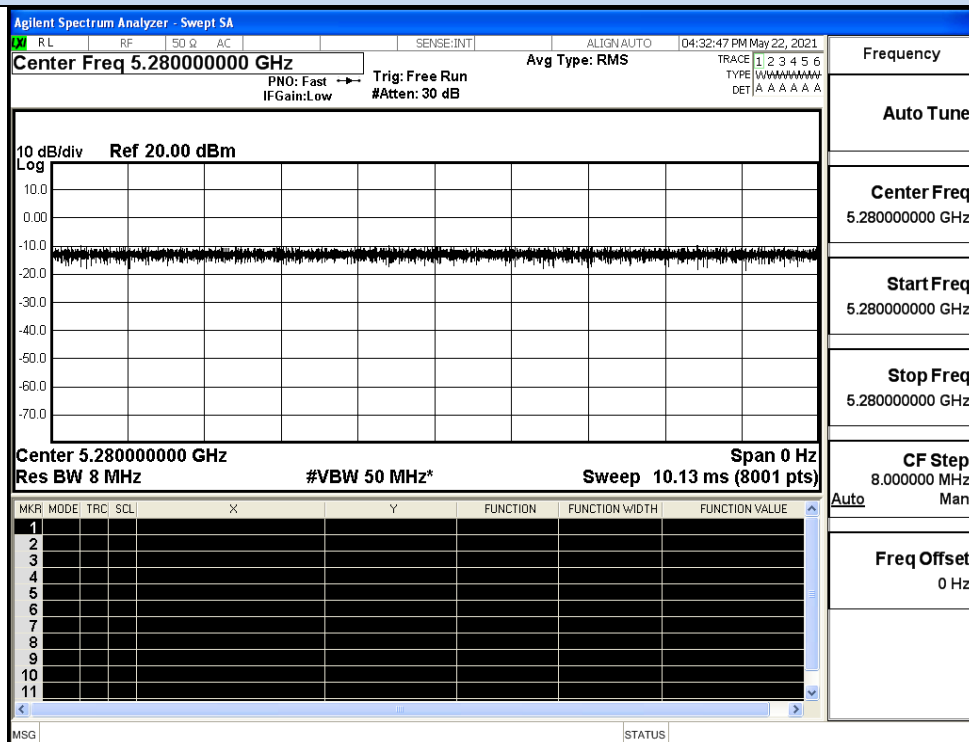
IEEE 802.11a



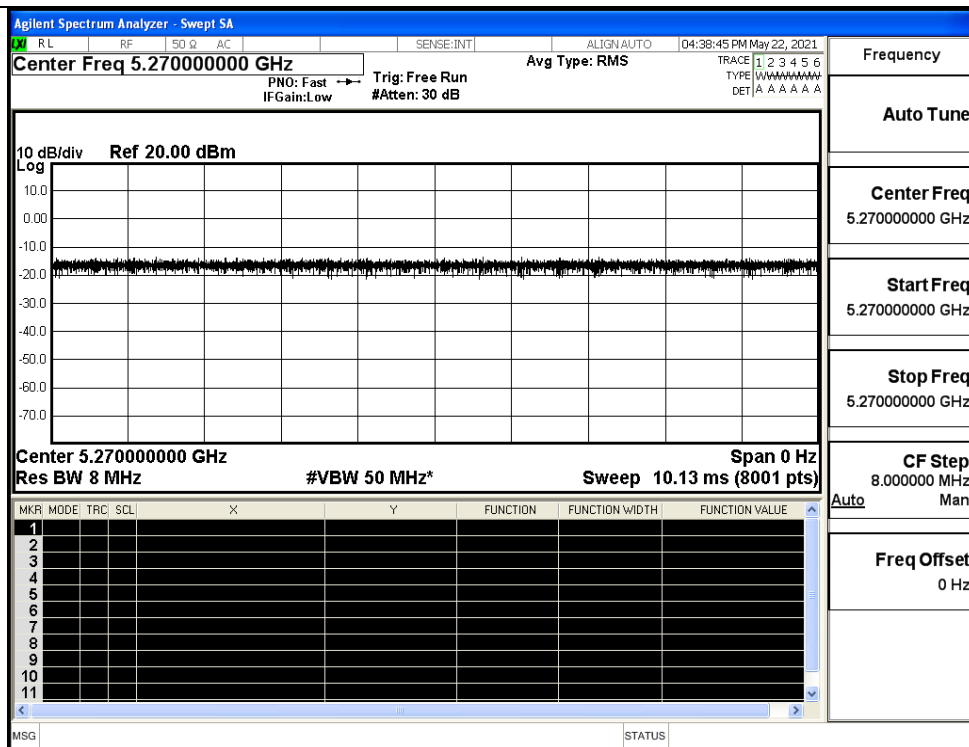
IEEE 802.11n HT20



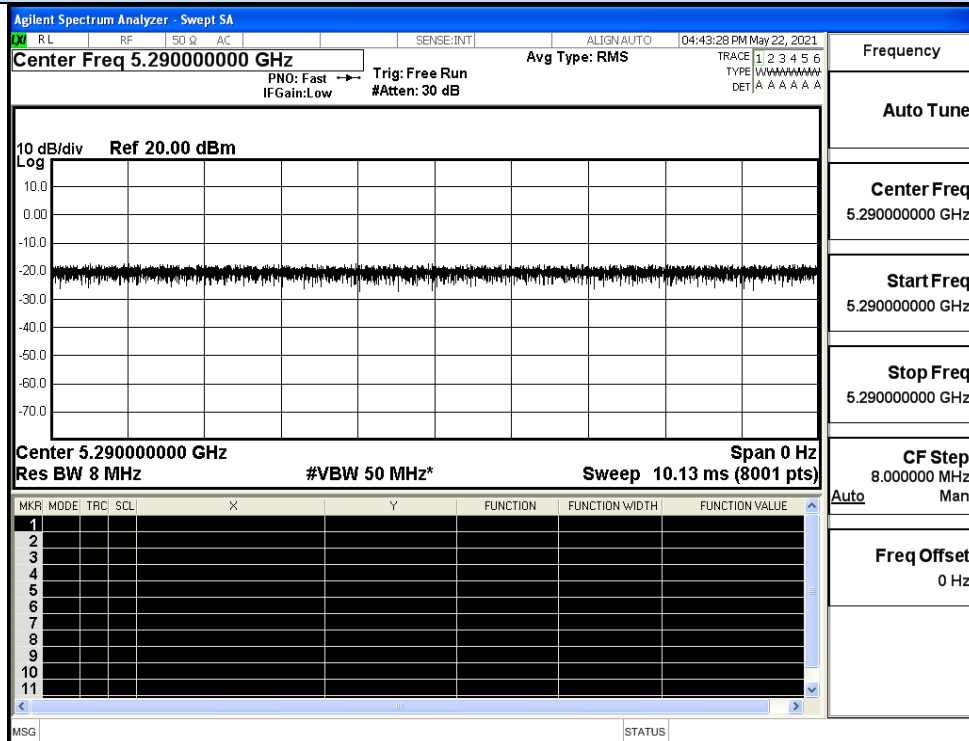
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11 AC40



IEEE 802.11AC80

E.2 Maximum Conduct Output Power**ANT0**

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	52	5260	4.08	0	4.08	24	Pass
	56	5280	4.14	0	4.14		Pass
	64	5320	3.92	0	3.92		Pass
11N20 SISO	52	5260	4.37	0	4.37	24	Pass
	56	5280	4.26	0	4.26		Pass
	64	5320	4.16	0	4.16		Pass
11N40 SISO	54	5270	4.2	0	4.2	24	Pass
	62	5310	4.34	0	4.34		Pass
11AC20 SISO	52	5260	4.33	0	4.33	24	Pass
	56	5280	4.21	0	4.21		Pass
	64	5320	4.28	0	4.28		Pass
11AC40 SISO	54	5270	4.19	0	4.19	24	Pass
	62	5310	4.46	0	4.46		Pass
11AC80 SISO	58	5290	4.5	0	4.5	24	Pass

ANT1

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	52	5260	4.16	0	4.16	24	Pass
	56	5280	4.17	0	4.17		Pass
	64	5320	4.05	0	4.05		Pass
11N20 SISO	52	5260	4.45	0	4.45	24	Pass
	56	5280	4.28	0	4.28		Pass
	64	5320	4.21	0	4.21		Pass
11N40 SISO	54	5270	4.06	0	4.06	24	Pass
	62	5310	4.35	0	4.35		Pass
11AC20 SISO	52	5260	4.38	0	4.38	24	Pass
	56	5280	4.29	0	4.29		Pass
	64	5320	4.23	0	4.23		Pass
11AC40 SISO	54	5270	4.08	0	4.08	24	Pass
	62	5310	4.43	0	4.43		Pass
11AC80 SISO	58	5290	4.36	0	4.36	24	Pass

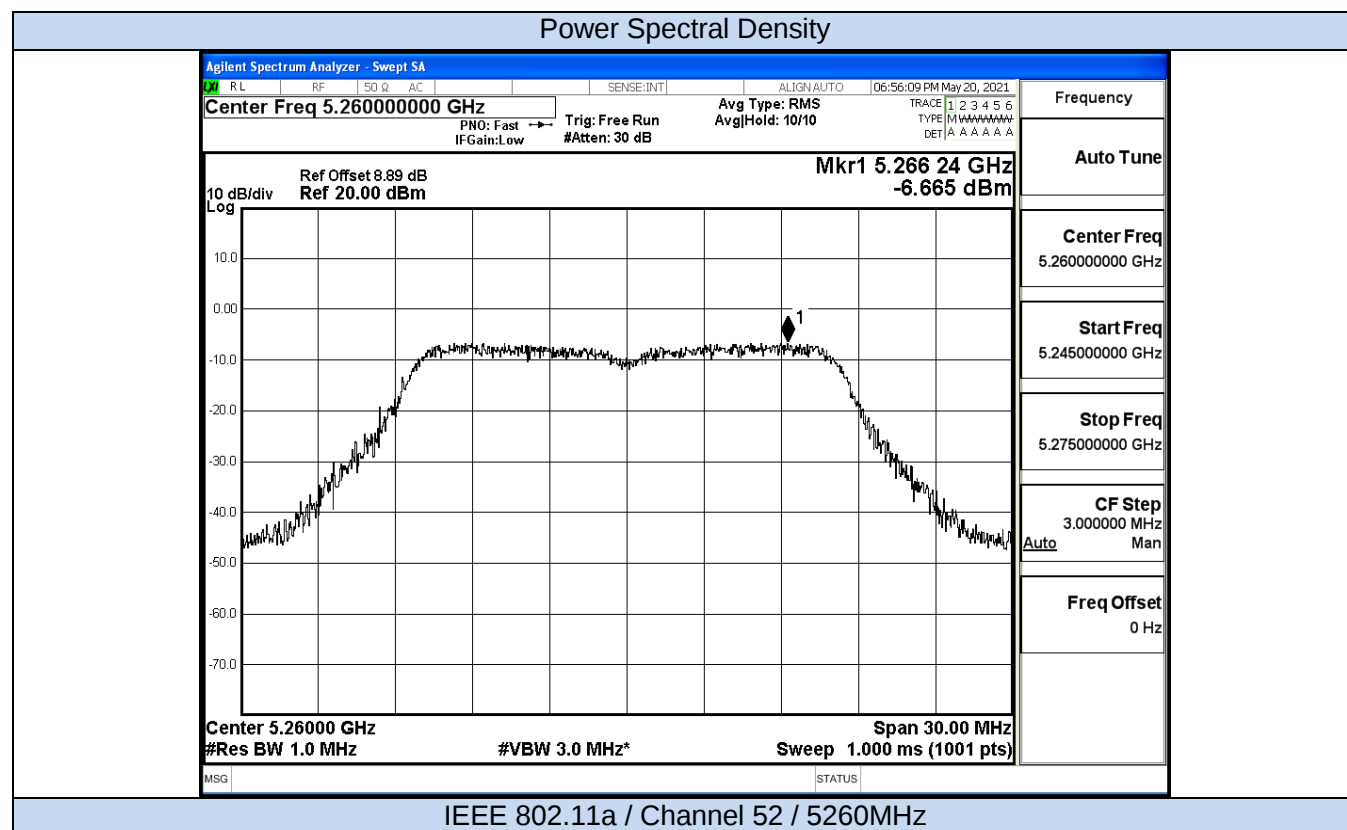
Combined Ant0 and Ant1

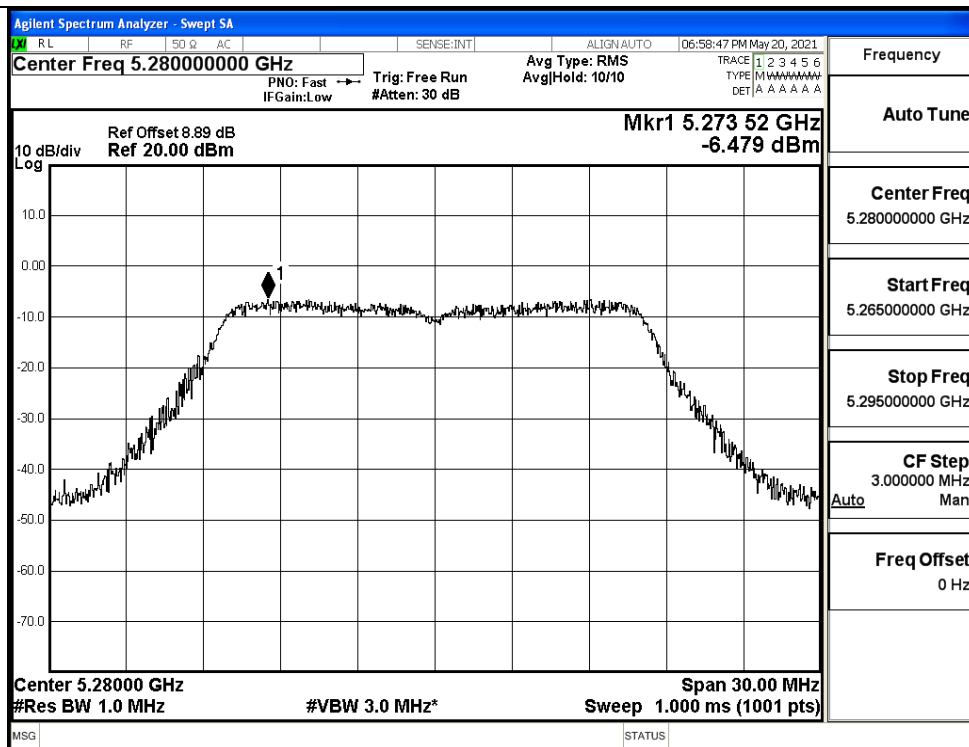
Test Mode	Channel	Frequency (MHz)	Report Conducted Power (dBm)			Limit (dBm)
			Ant_0	Ant_1	Sum	
11N20	52	5260	4.37	4.45	7.42	24
	56	5280	4.26	4.28	7.28	
	64	5320	4.16	4.21	7.20	
11N40	54	5270	4.2	4.06	7.14	24
	62	5310	4.34	4.35	7.36	
11AC20	52	5260	4.33	4.38	7.37	24
	56	5280	4.21	4.29	7.26	
	64	5320	4.28	4.23	7.27	
11AC40	54	5270	4.19	4.08	7.15	24
	62	5310	4.46	4.43	7.46	
11AC80	58	5290	4.5	4.36	7.44	24

E.3 Power Spectral Density

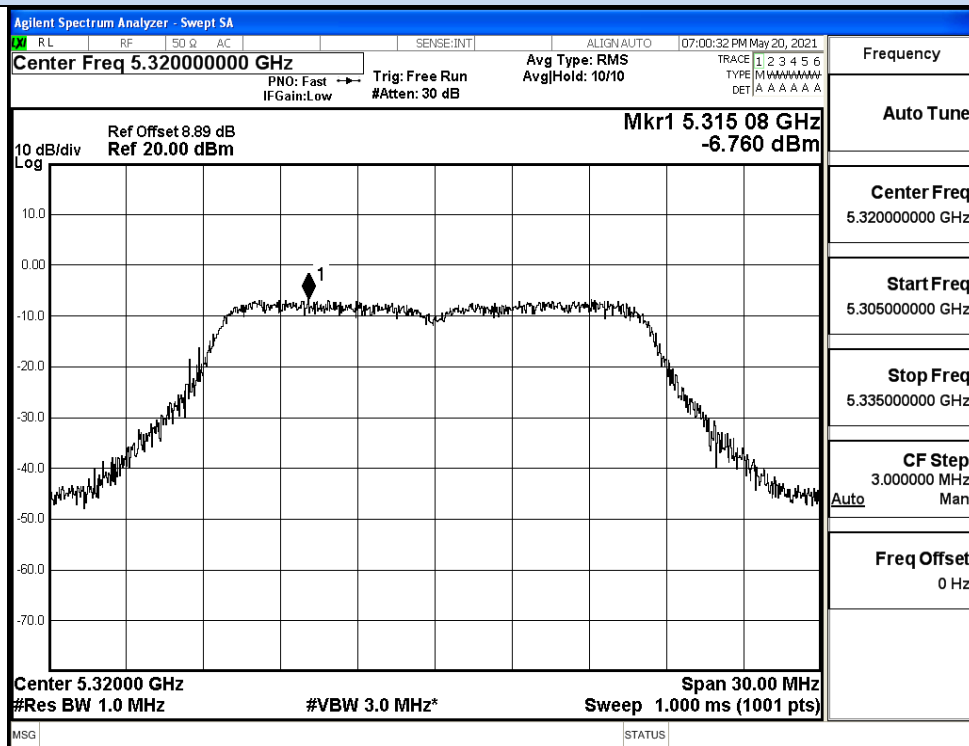
ANTO

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Cycle Factor (dB)	Report Power Density (dBm/MHz)	Limit (dBm/MHz)	Verdict
11A	52	5260	-6.67	0	-6.67	11	Pass
	56	5280	-6.48	0	-6.48		Pass
	64	5320	-6.76	0	-6.76		Pass
11N20 SISO	52	5260	-6.56	0	-6.56	11	Pass
	56	5280	-6.68	0	-6.68		Pass
	64	5320	-6.86	0	-6.86		Pass
11N40 SISO	54	5270	-9.76	0	-9.76	11	Pass
	62	5310	-9.54	0	-9.54		Pass
11AC20 SISO	52	5260	-6.46	0	-6.46	11	Pass
	56	5280	-6.74	0	-6.74		Pass
	64	5320	-6.32	0	-6.32		Pass
11AC40 SISO	54	5270	-9.53	0	-9.53	11	Pass
	62	5310	-9.57	0	-9.57		Pass
11AC80 SISO	58	5290	-11.67	0	-11.67	11	Pass



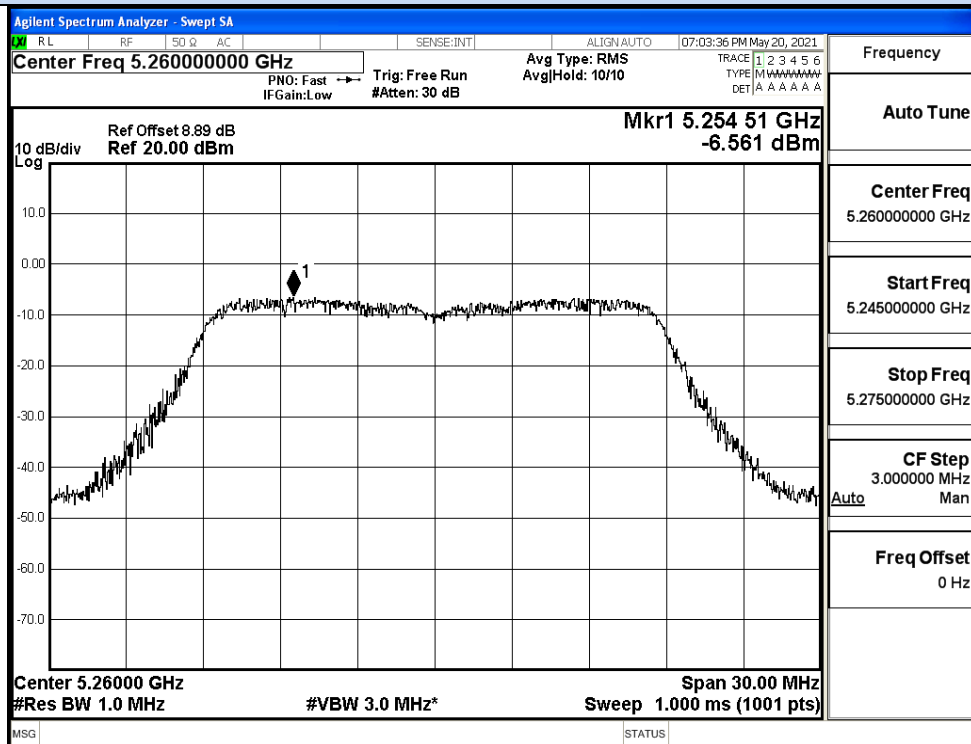


IEEE 802.11na / Channel 56 / 5280MHz

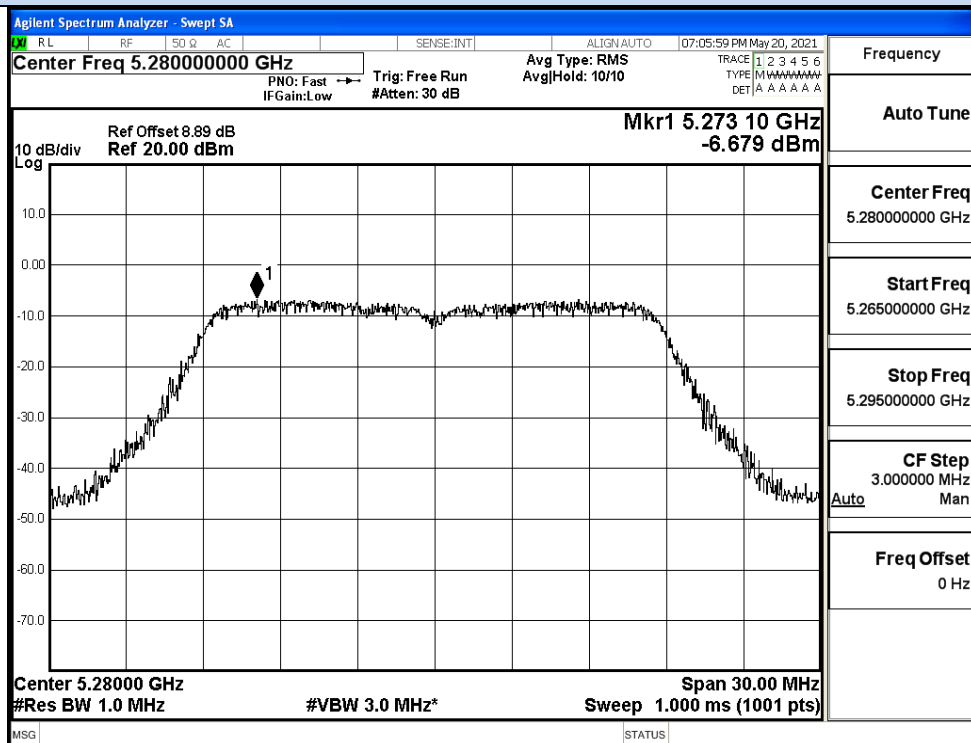


IEEE 802.11na / Channel 64 / 5320MHz

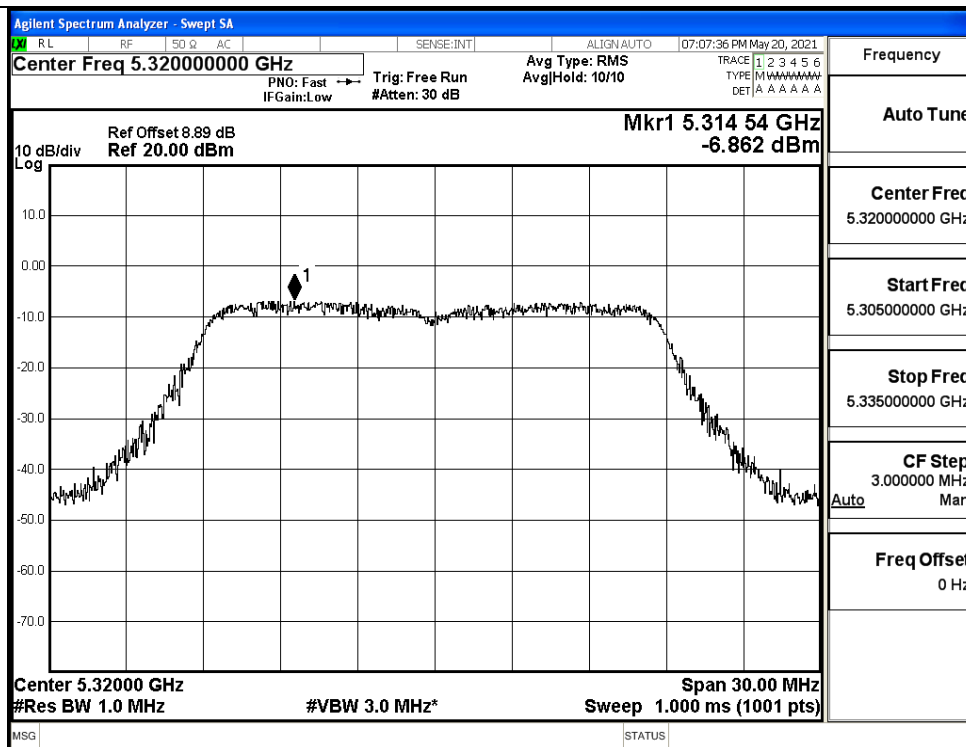
Power Spectral Density



IEEE 802.11n20 / Channel 52 / 5260MHz

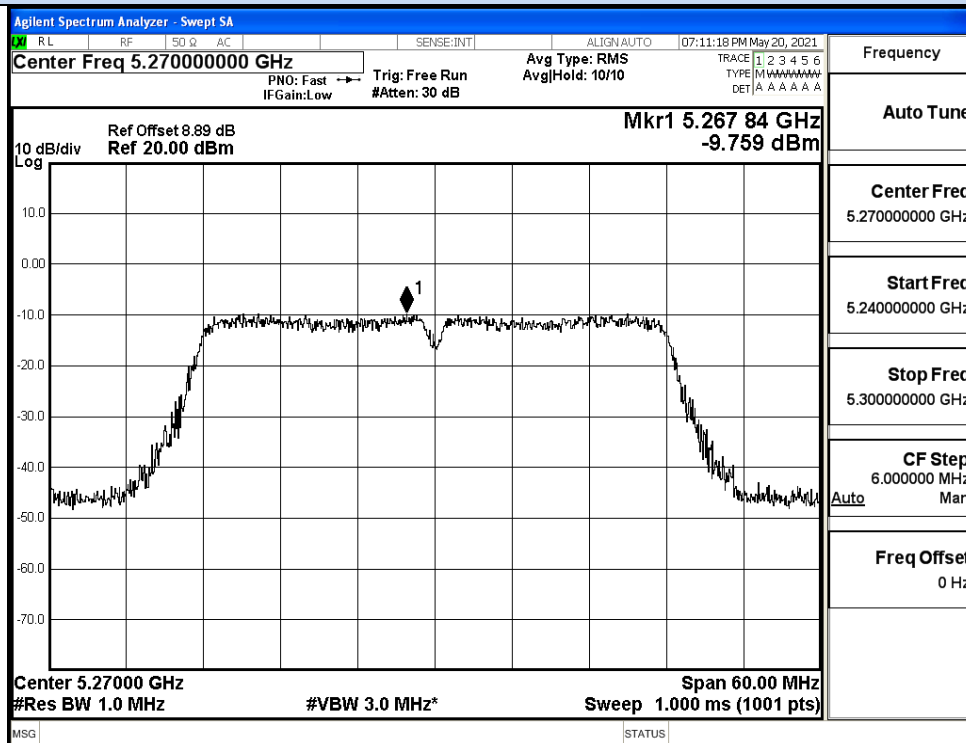


IEEE 802.11n20 / Channel 56 / 5280MHz

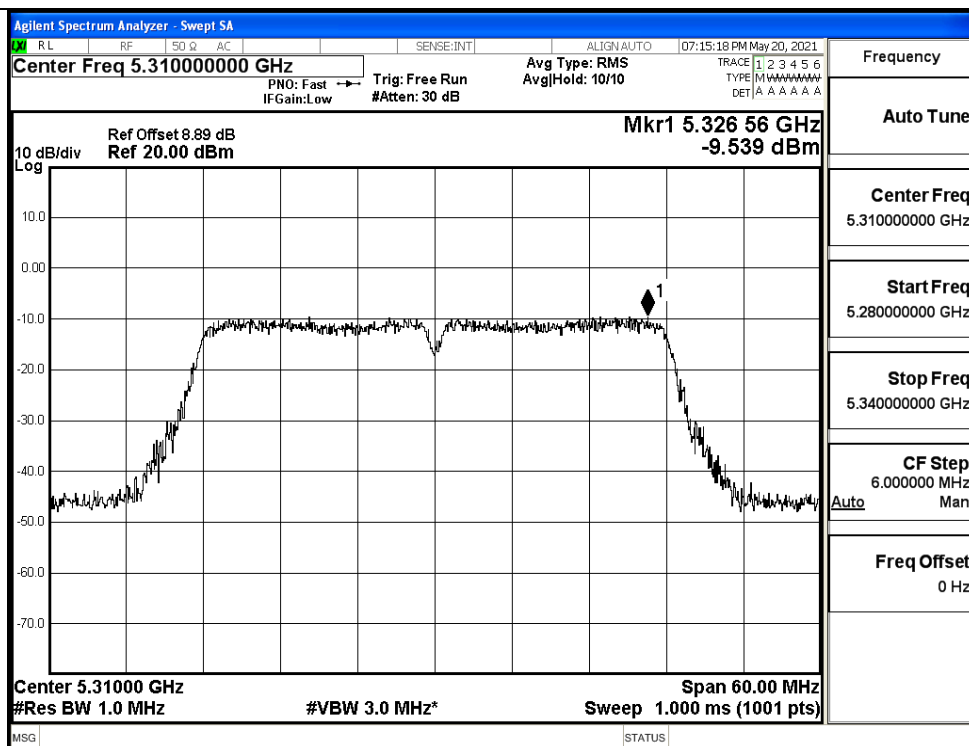


IEEE 802.11n20 / Channel 64 / 5320MHz

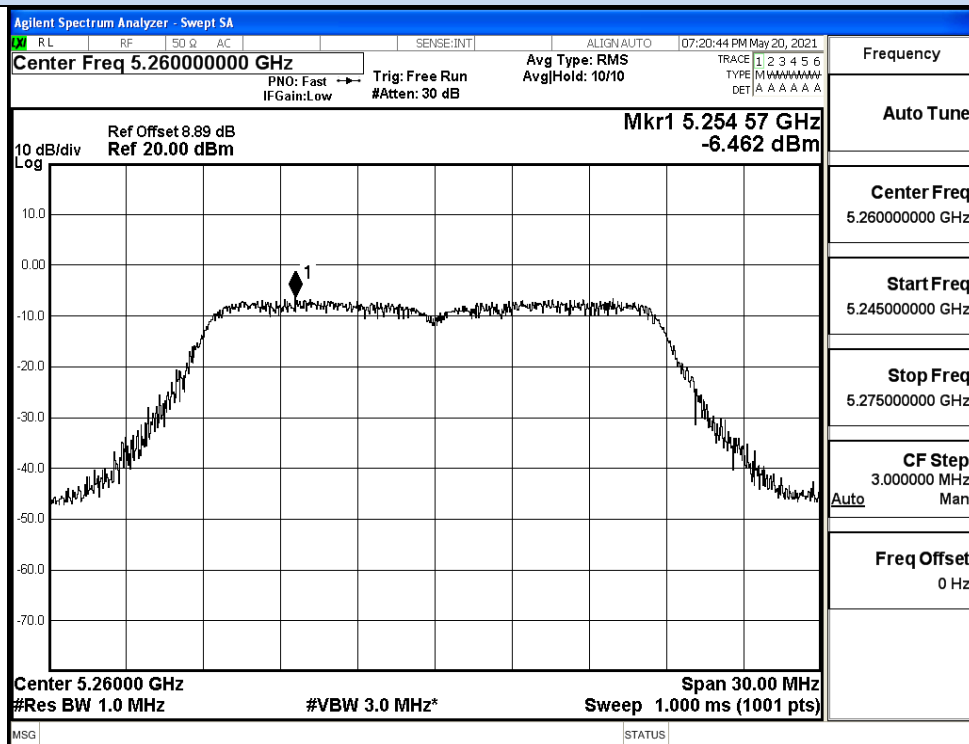
Power Spectral Density



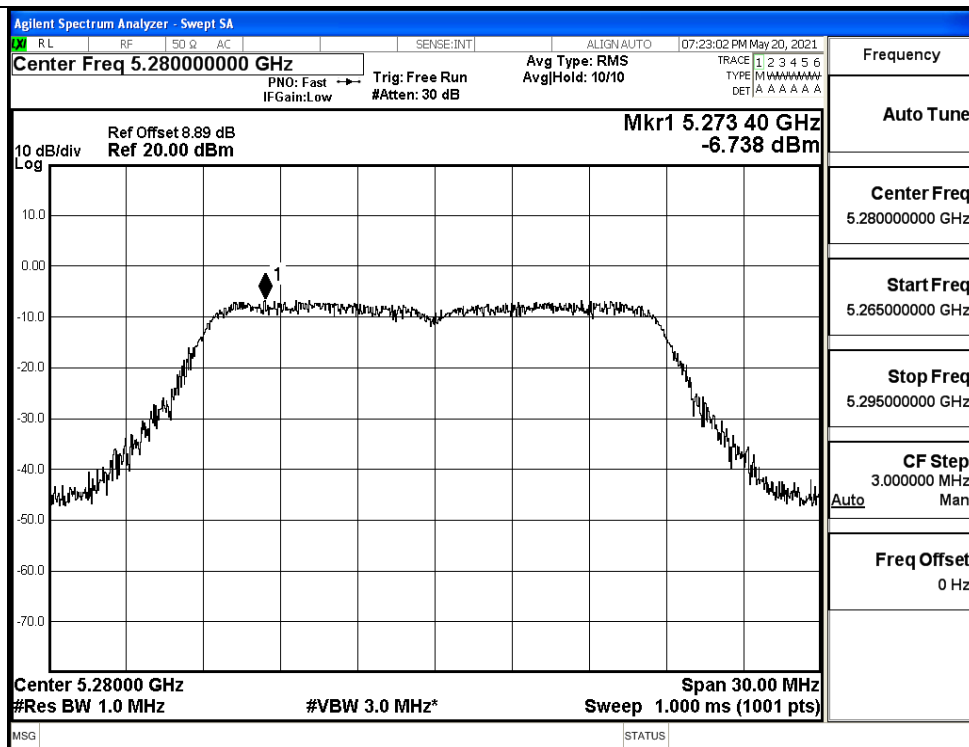
IEEE 802.11n40 / Channel 54 / 5270MHz



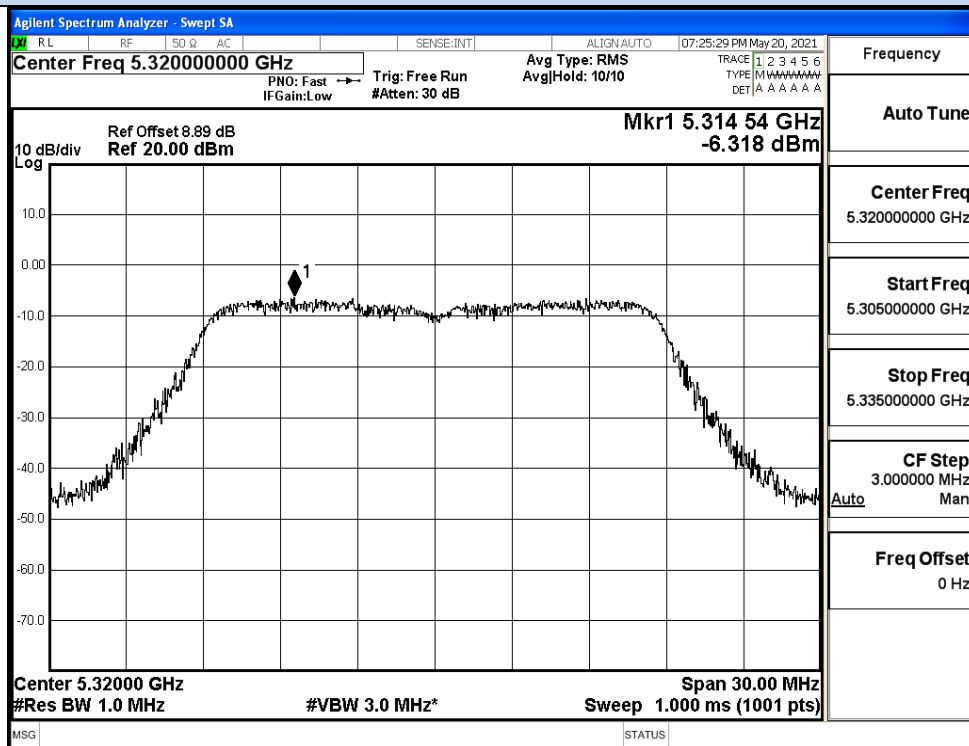
IEEE 802.11n40 / Channel 62 / 5310MHz



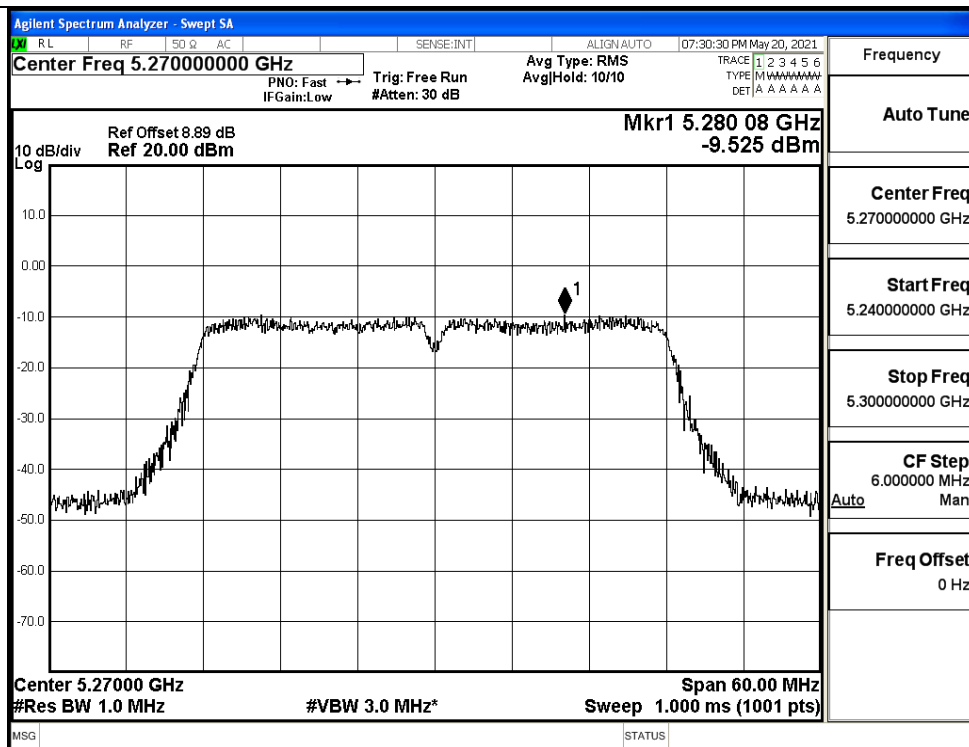
IEEE 802.11ac20 / Channel 52 / 5260MHz



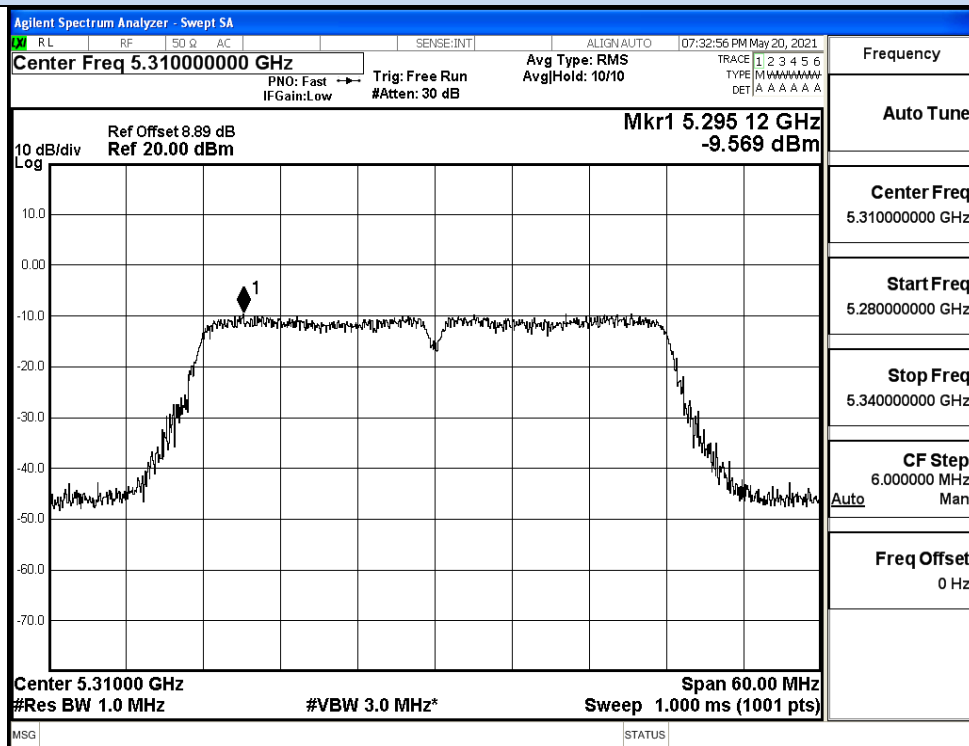
IEEE 802.11ac20 / Channel 56 / 5280MHz



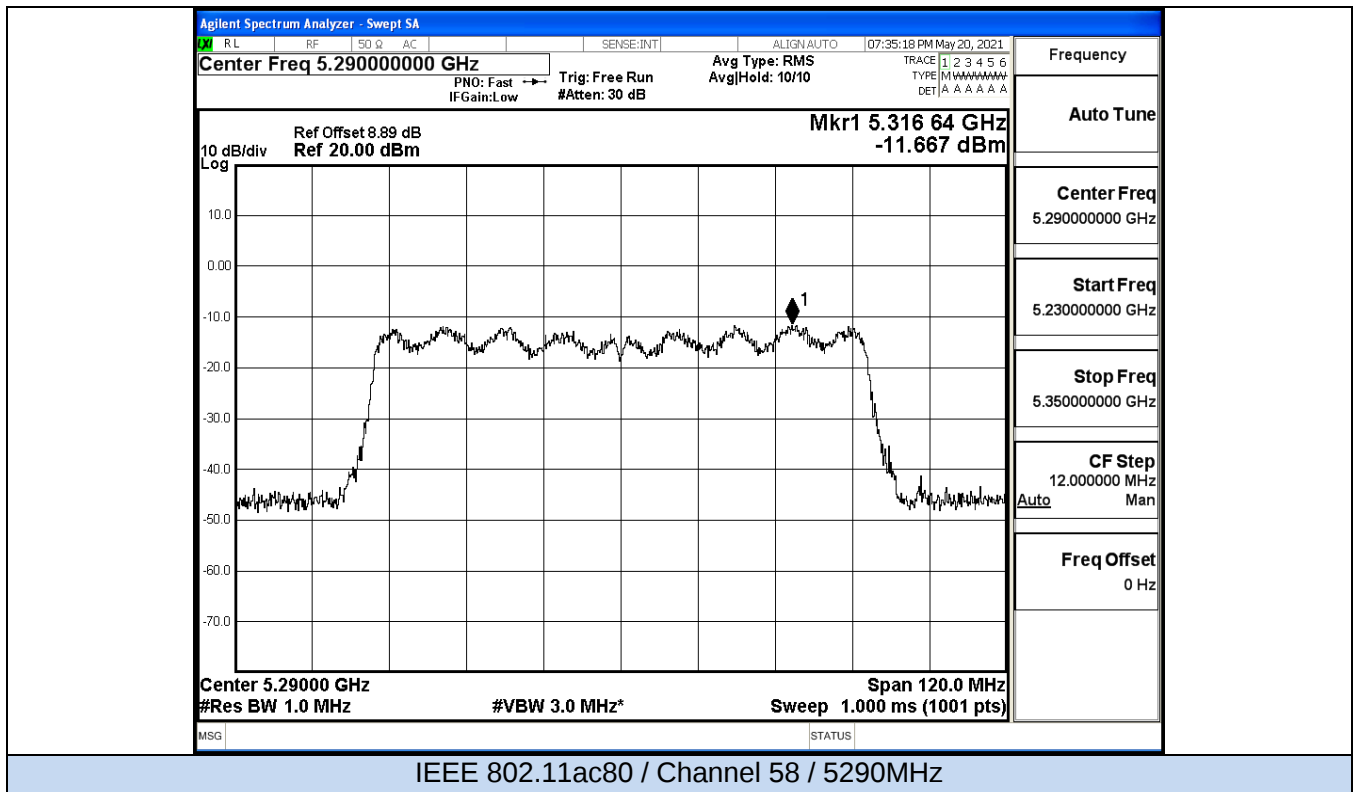
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



IEEE 802.11ac40 / Channel 62 / 5310MHz



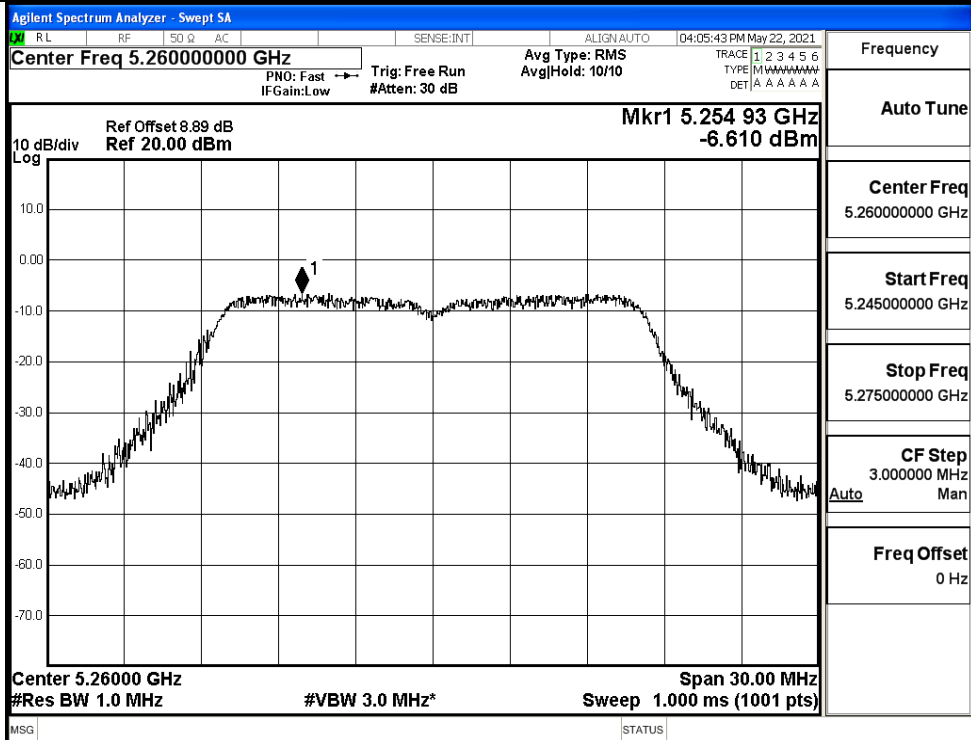
ANT1

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Cycle Factor (dB)	Report Power Density (dBm/MHz)	Limit (dBm/MHz)	Verdict
11A	52	5260	-6.61	0	-6.61	11	Pass
	56	5280	-6.60	0	-6.60		Pass
	64	5320	-6.63	0	-6.63		Pass
11N20 SISO	52	5260	-6.51	0	-6.51	11	Pass
	56	5280	-6.38	0	-6.38		Pass
	64	5320	-6.67	0	-6.67		Pass
11N40 SISO	54	5270	-9.49	0	-9.49	11	Pass
	62	5310	-9.49	0	-9.49		Pass
11AC20 SISO	52	5260	-6.41	0	-6.41	11	Pass
	56	5280	-6.69	0	-6.69		Pass
	64	5320	-6.82	0	-6.82		Pass
11AC40 SISO	54	5270	-9.82	0	-9.82	11	Pass
	62	5310	-9.33	0	-9.33		Pass
11AC80 SISO	58	5290	-11.73	0	-11.73	11	Pass

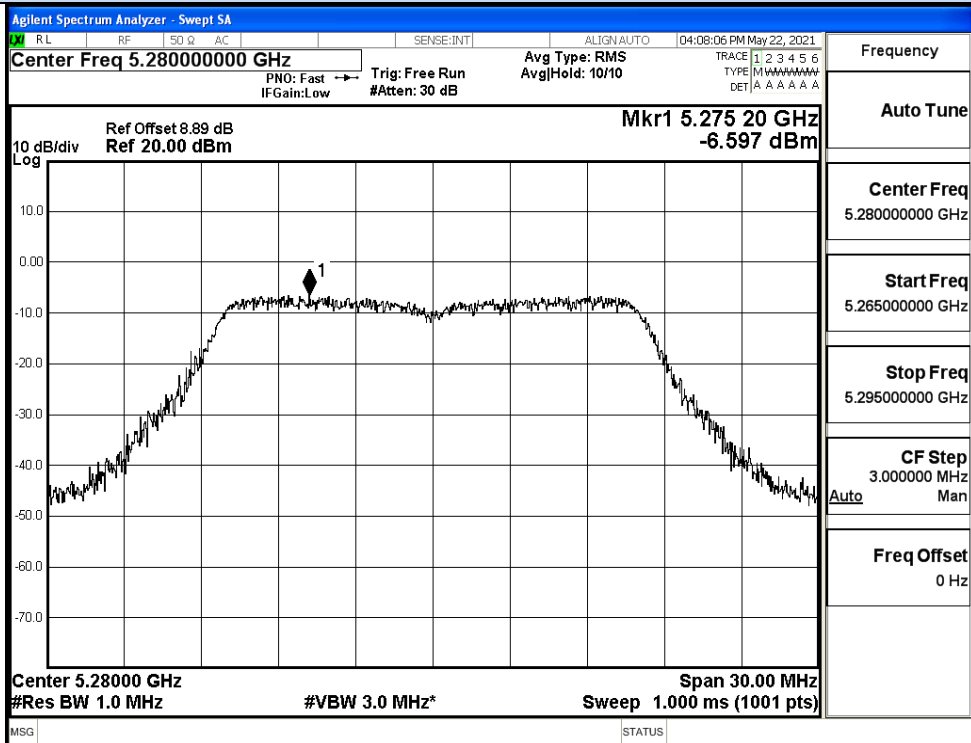
Combined Ant0 and Ant1

Test Mode	Channel	Frequency (MHz)	Report Power Density (dBm/MHz)			Limit (dBm/MHz)
			Ant_0	Ant_1	Sum	
11N20	52	5260	-6.56	-6.51	-3.52	11
	56	5280	-6.68	-6.38	-3.52	
	64	5320	-6.86	-6.67	-3.75	
11N40	54	5270	-9.76	-9.49	-6.61	11
	62	5310	-9.54	-9.49	-6.50	
11AC20	52	5260	-6.46	-6.41	-3.42	11
	56	5280	-6.74	-6.69	-3.70	
	64	5320	-6.32	-6.82	-3.55	
11AC40	54	5270	-9.53	-9.82	-6.66	11
	62	5310	-9.57	-9.33	-6.44	
11AC80	58	5290	-11.67	-11.73	-8.69	11

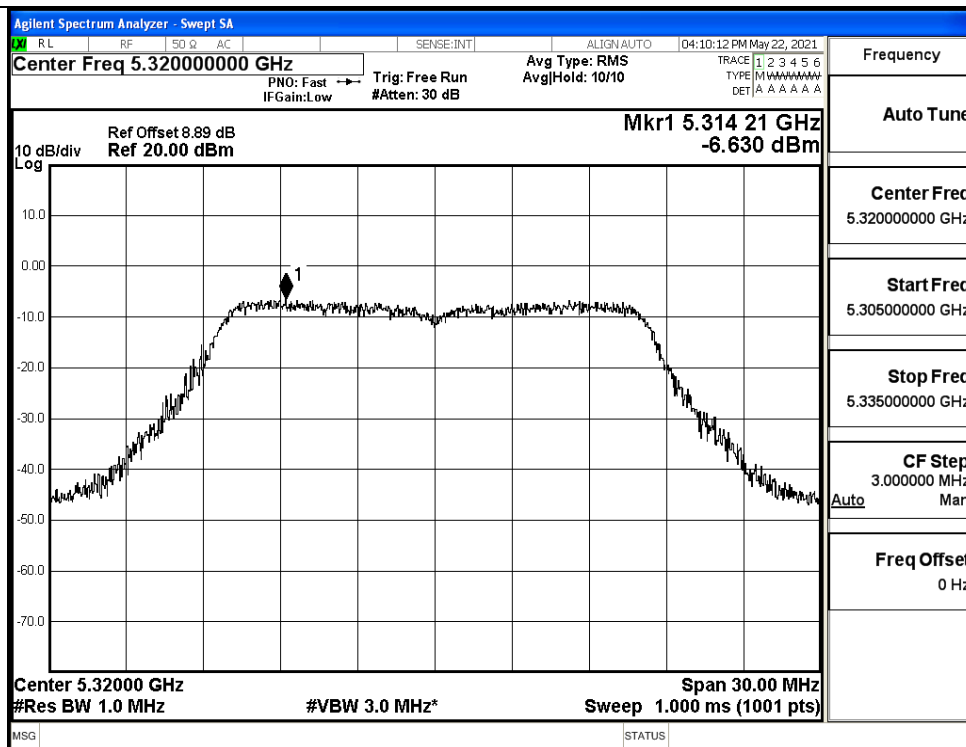
Power Spectral Density



IEEE 802.11a / Channel 52 / 5260MHz

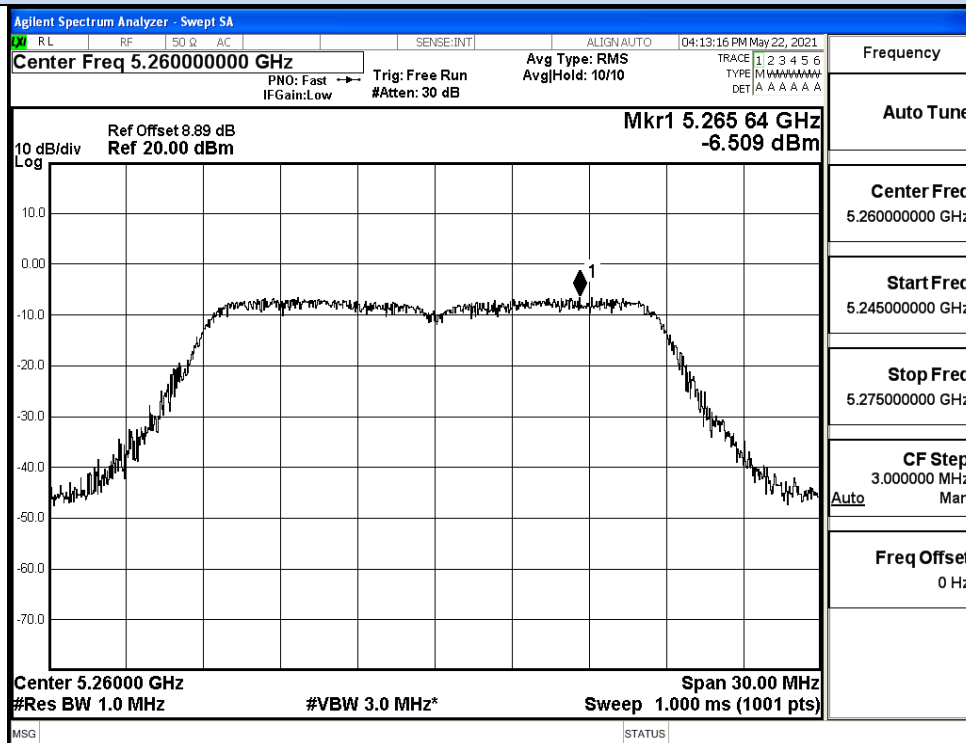


IEEE 802.11a / Channel 56 / 5280MHz

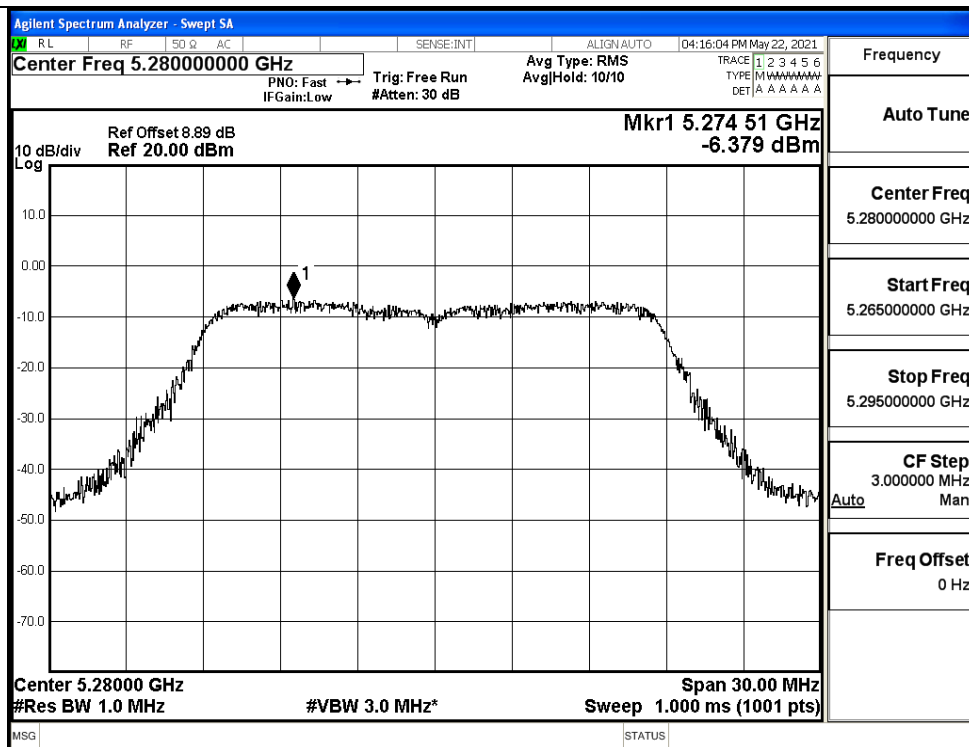


IEEE 802.11na / Channel 64 / 5320MHz

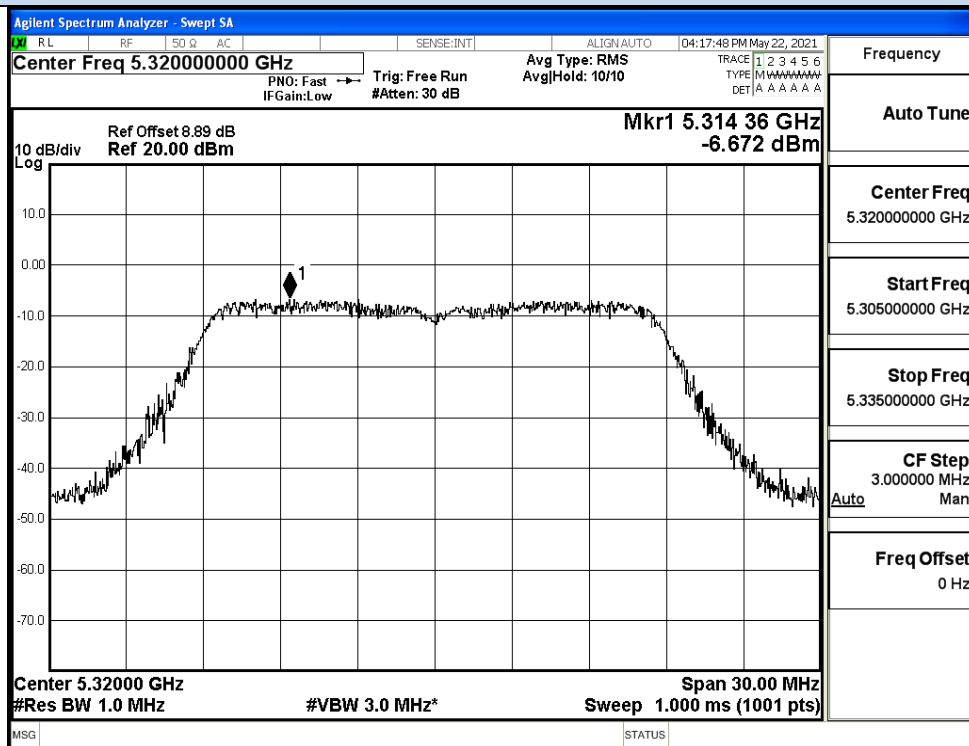
Power Spectral Density



IEEE 802.11n20 / Channel 52 / 5260MHz

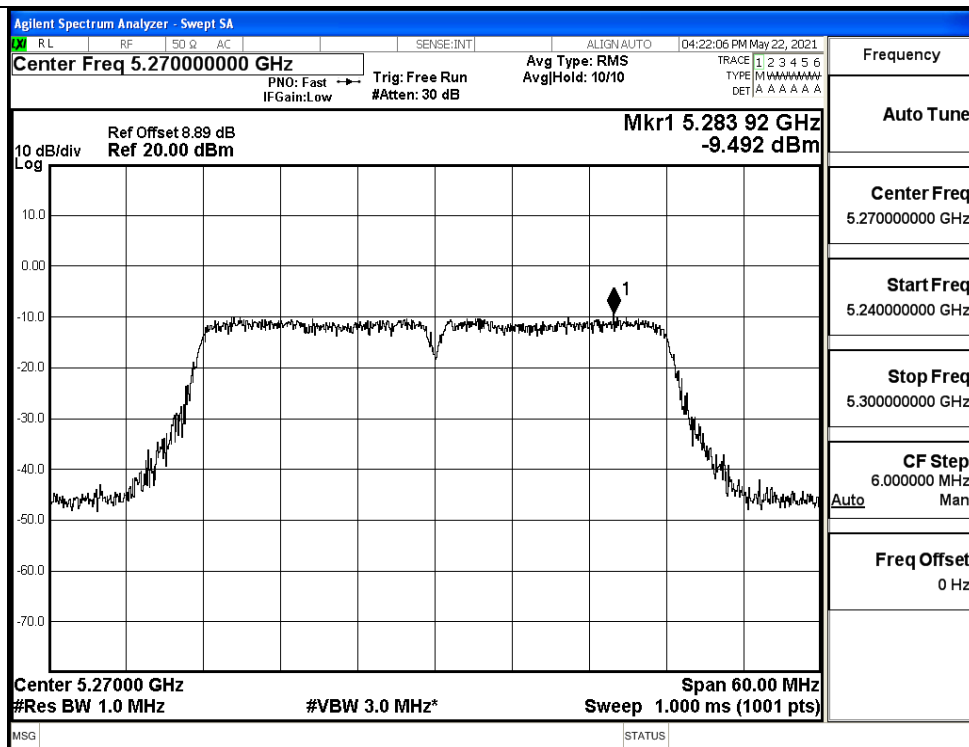


IEEE 802.11n20 / Channel 56 / 5280MHz

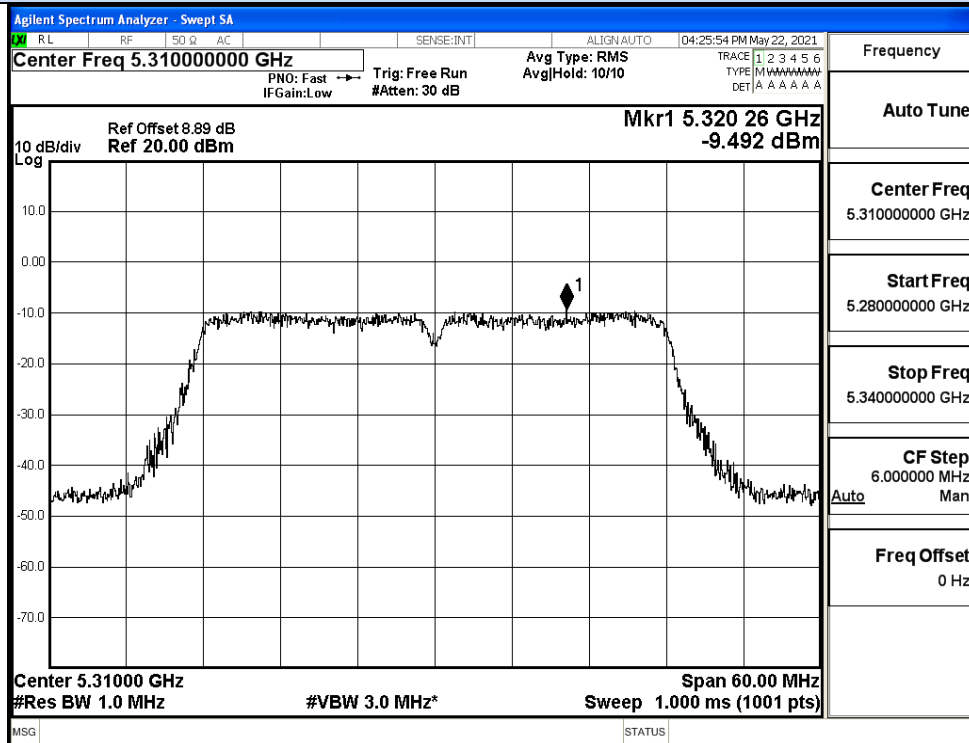


IEEE 802.11n20 / Channel 64 / 5320MHz

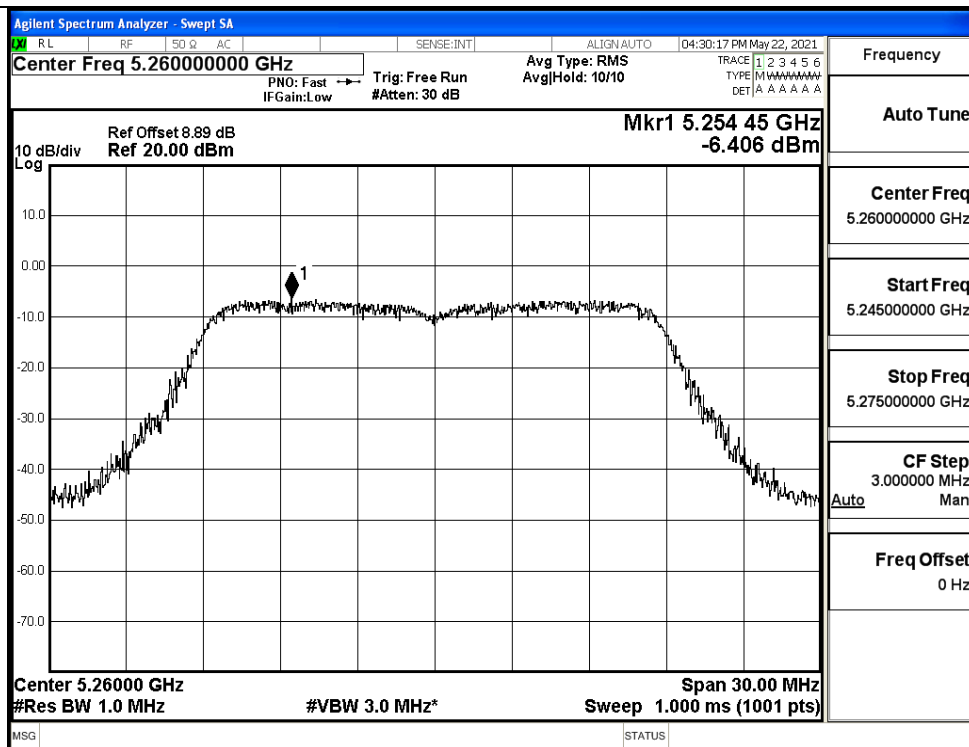
Power Spectral Density



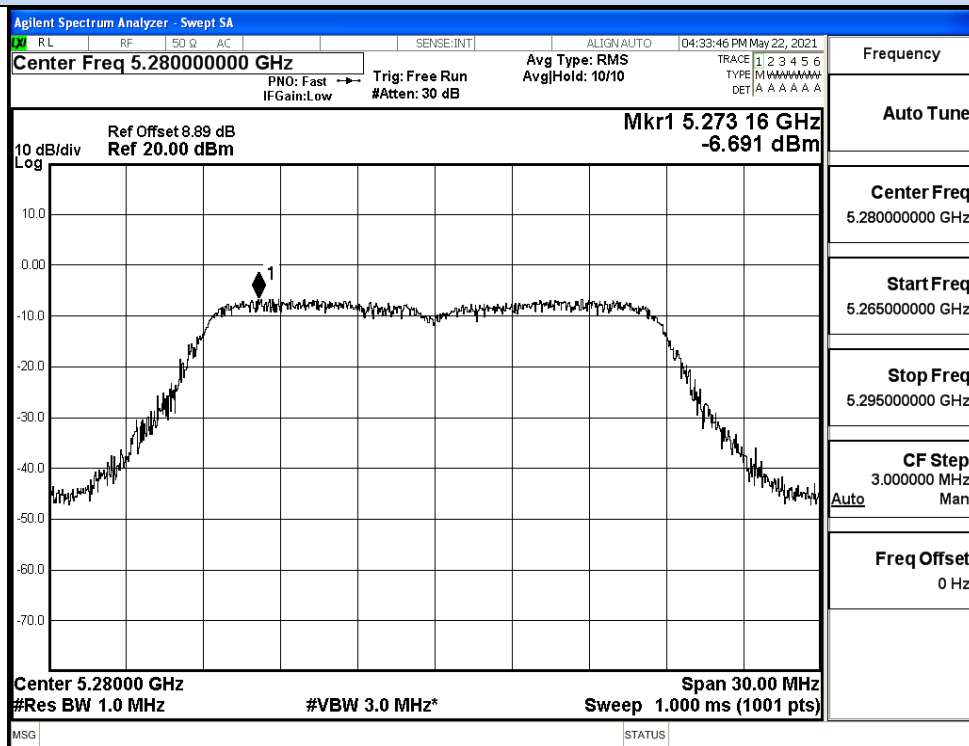
IEEE 802.11n40 / Channel 54 / 5270MHz



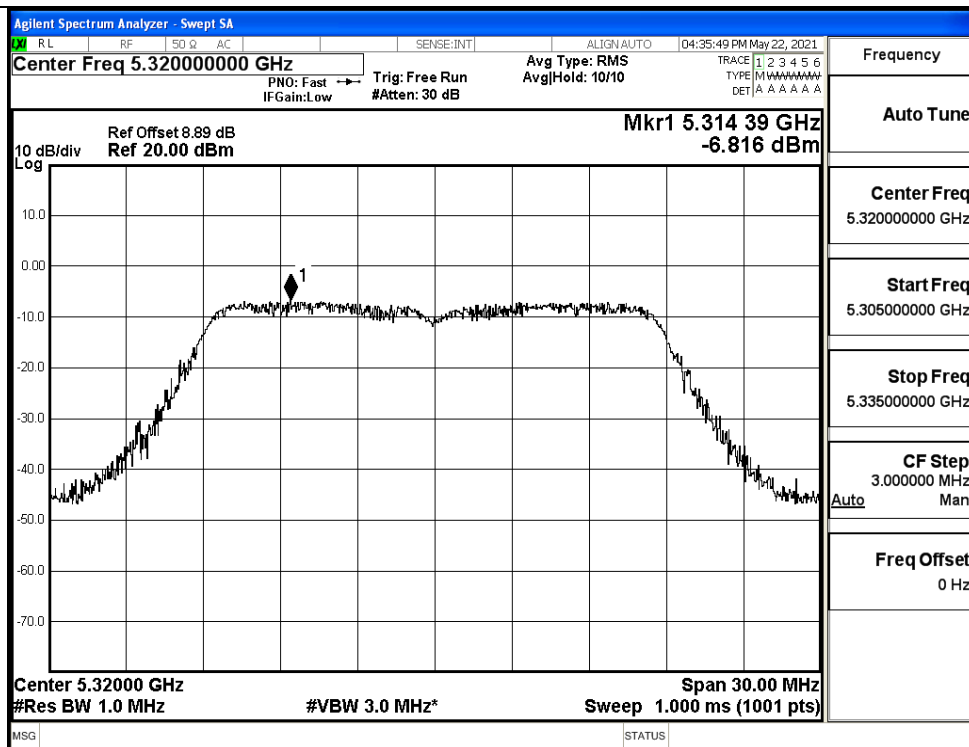
IEEE 802.11n40 / Channel 62 / 5310MHz



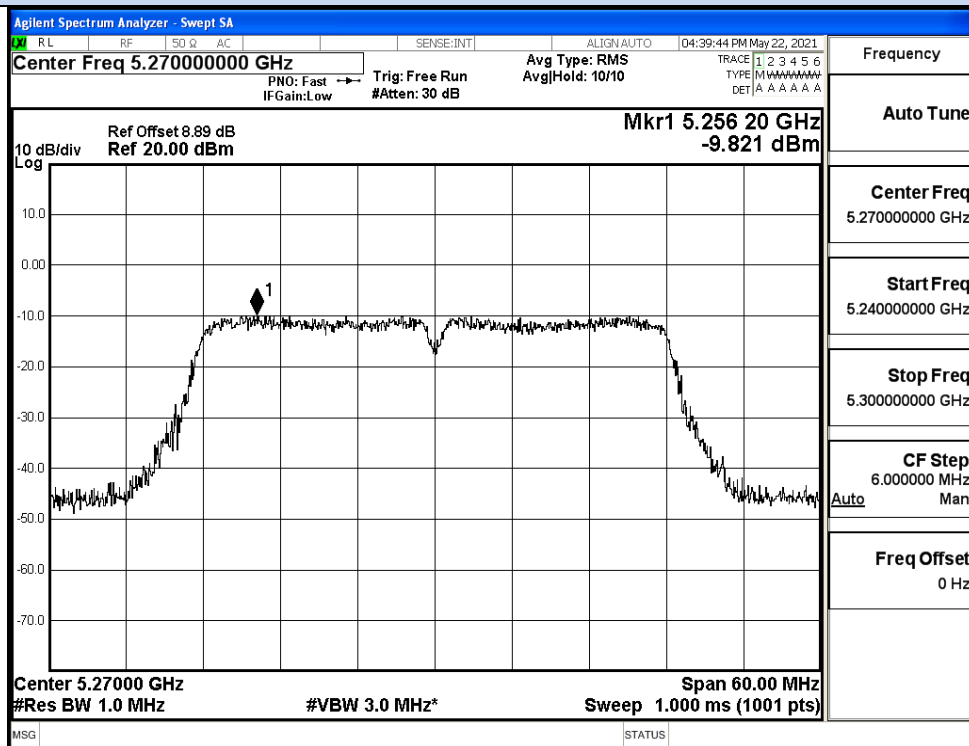
IEEE 802.11ac20 / Channel 52 / 5260MHz



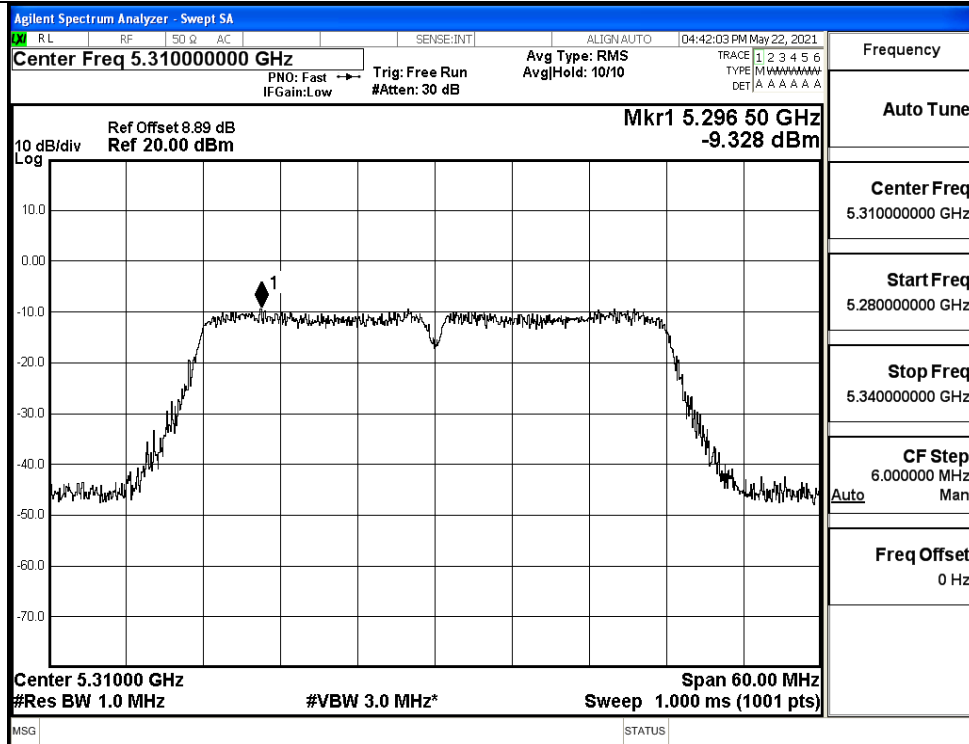
IEEE 802.11ac20 / Channel 56 / 5280MHz



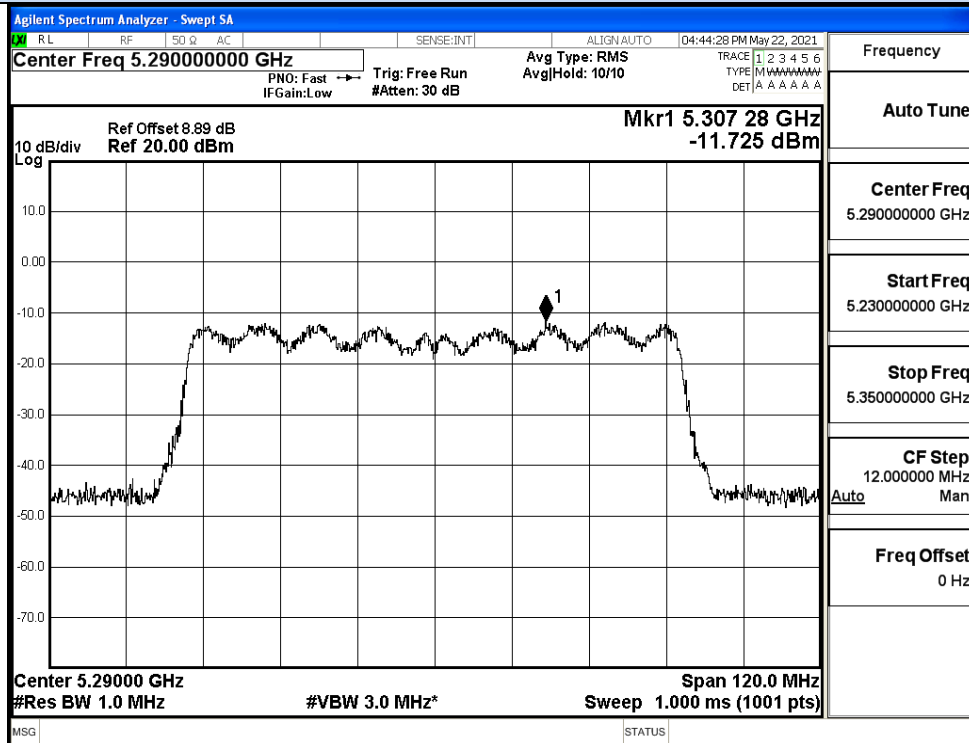
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



IEEE 802.11ac40 / Channel 62 / 5310MHz



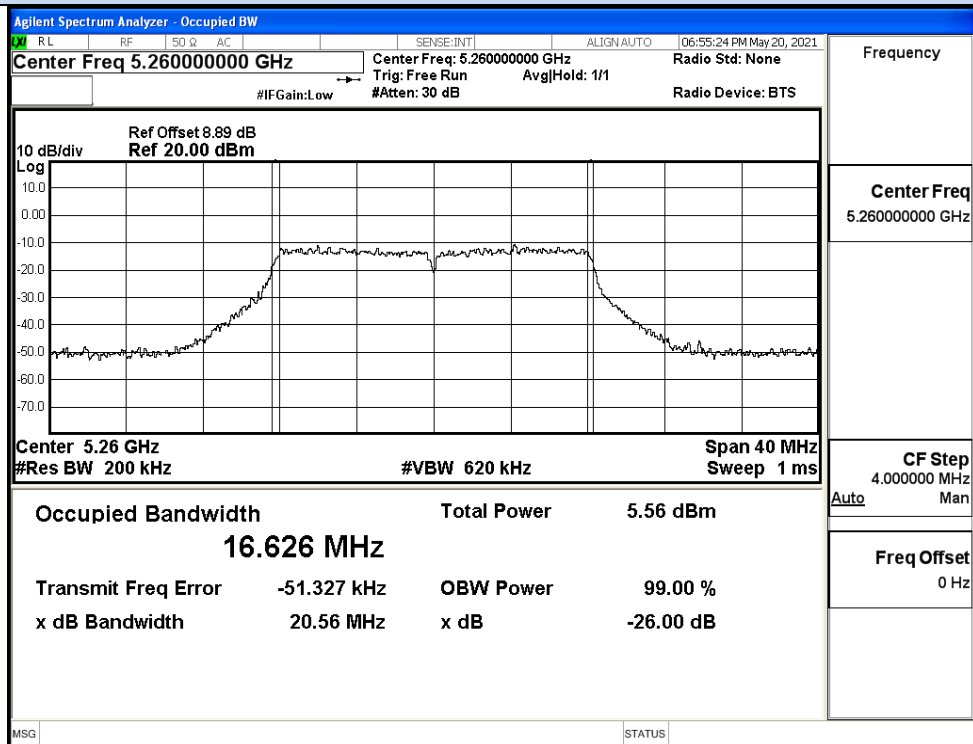
IEEE 802.11ac80 / Channel 58 / 5290MHz

E.4 Emission Bandwidth

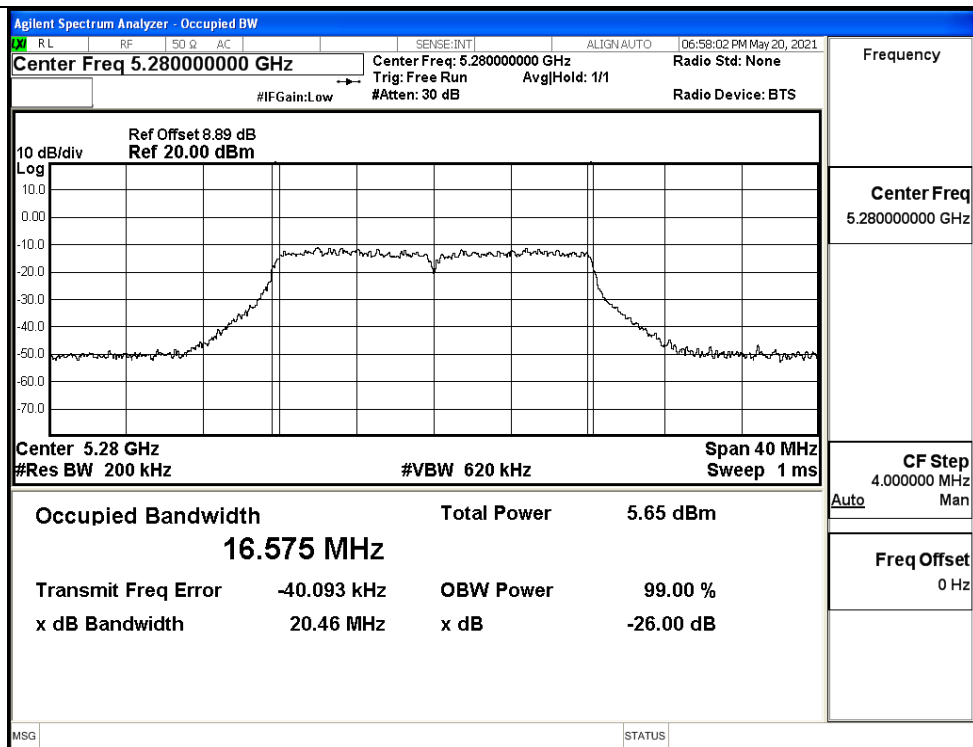
ANTO

Test Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
11A	52	5260	20.56	No Limit	Pass
	56	5280	20.46		Pass
	64	5320	20.48		Pass
11N20 SISO	52	5260	21.05	No Limit	Pass
	56	5280	21.40		Pass
	64	5320	21.19		Pass
11N40 SISO	54	5270	41.59	No Limit	Pass
	62	5310	41.72		Pass
11AC20 SISO	52	5260	21.27	No Limi	Pass
	56	5280	21.26		Pass
	64	5320	21.38		Pass
11AC40 SISO	54	5270	42.41	No Limi	Pass
	62	5310	42.09		Pass
11AC80 SISO	58	5290	82.44	No Limi	Pass

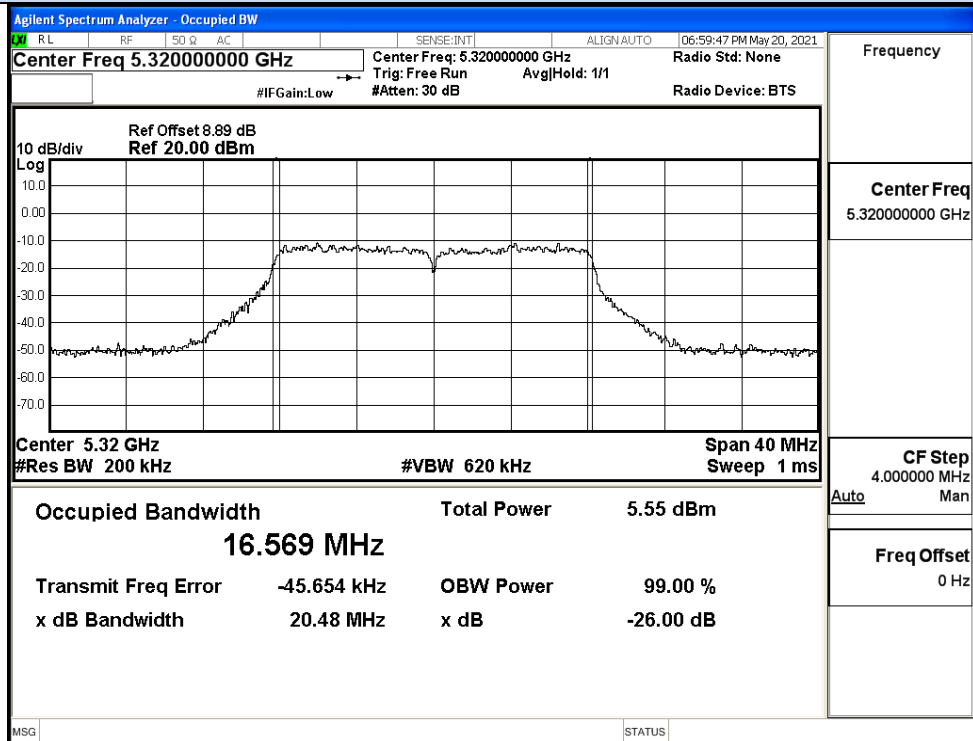
26dB Bandwidth



IEEE 802.11a / Channel 52 / 5260MHz

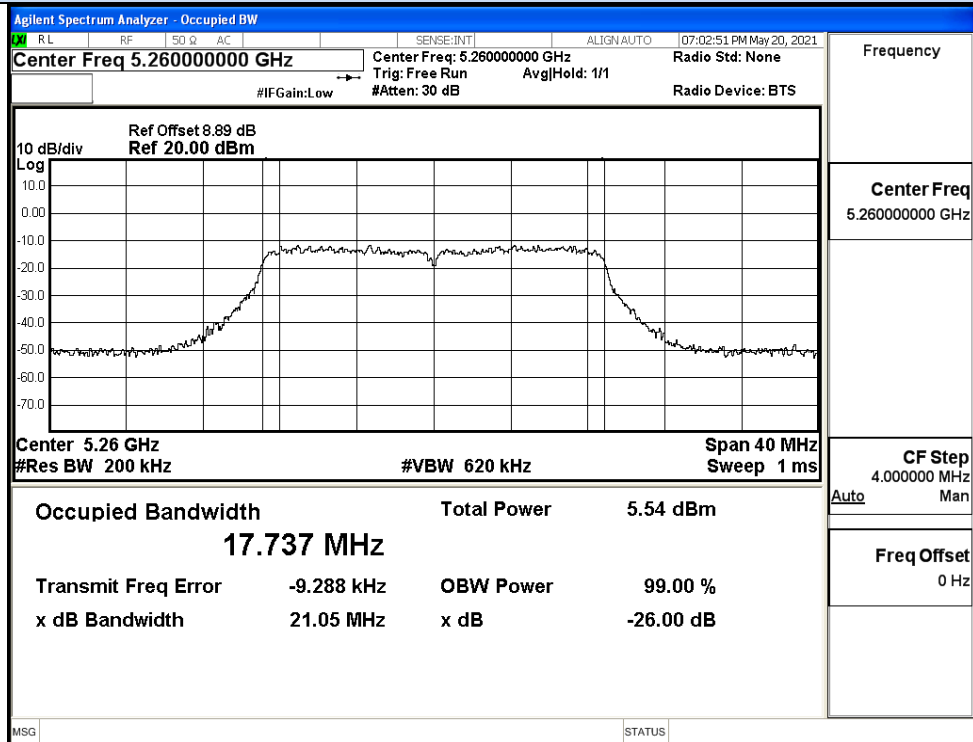


IEEE 802.11a / Channel 56 / 5280MHz

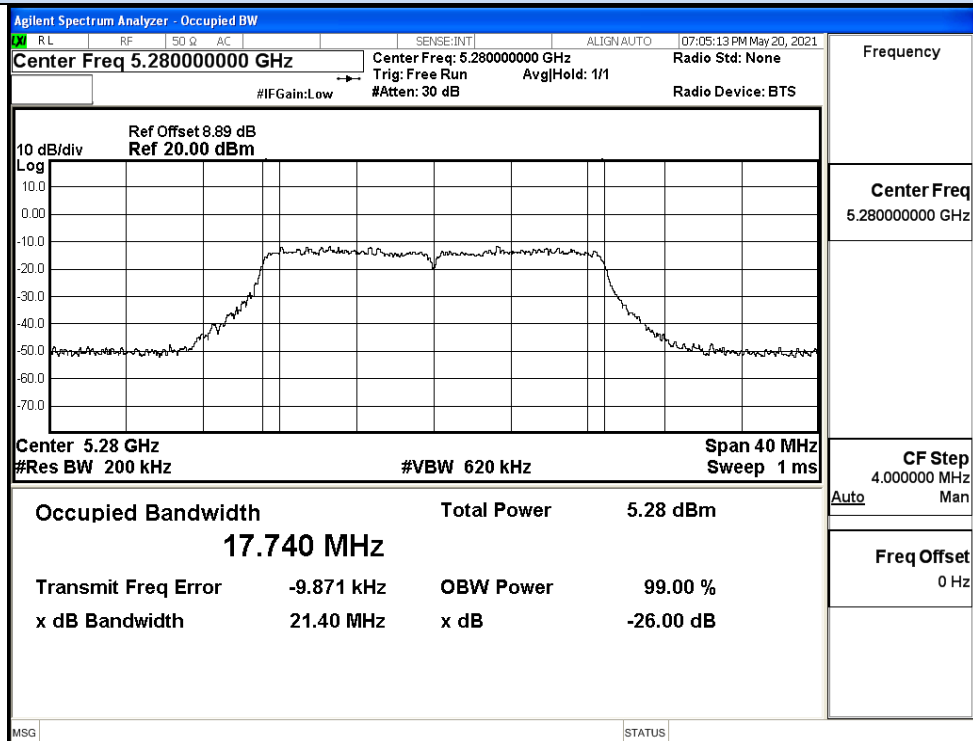


IEEE 802.11a / Channel 64 / 5320MHz

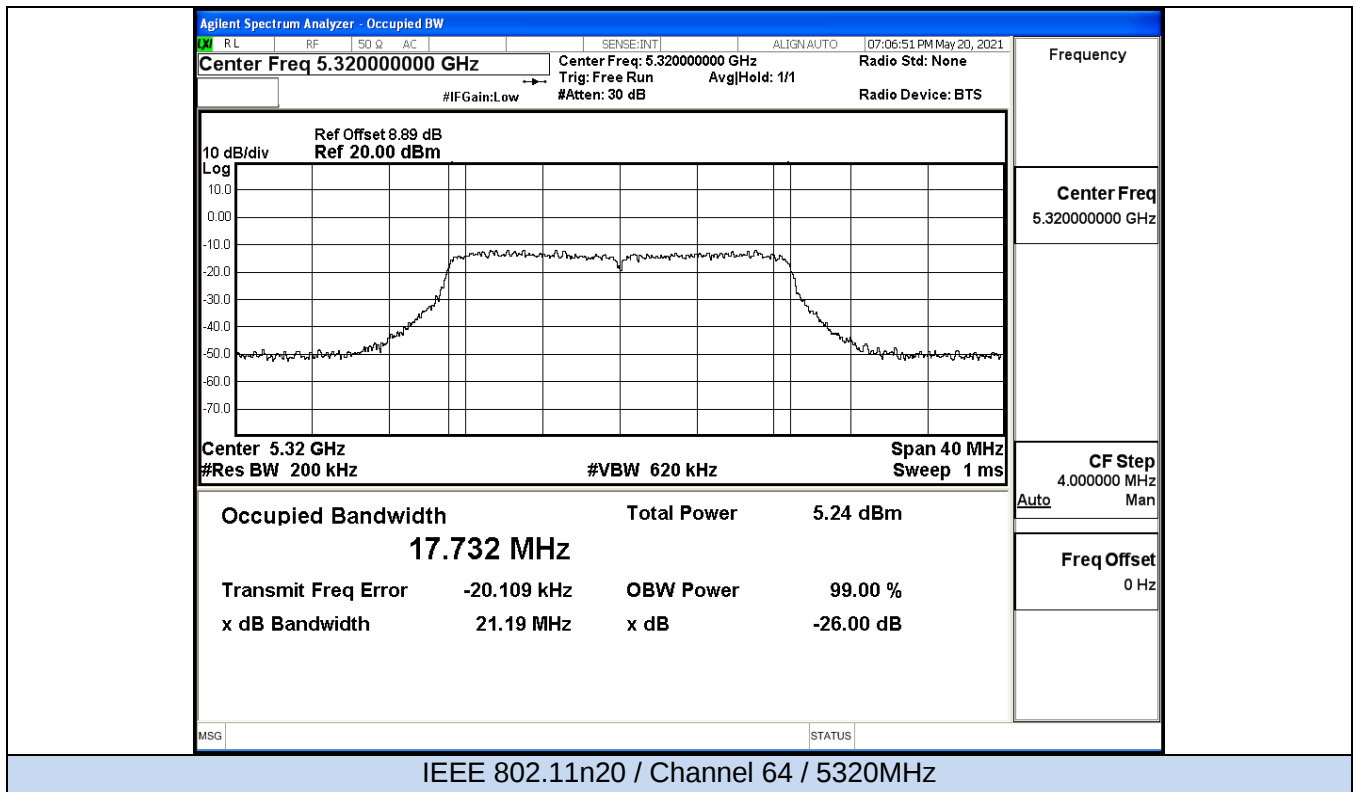
26dB Bandwidth



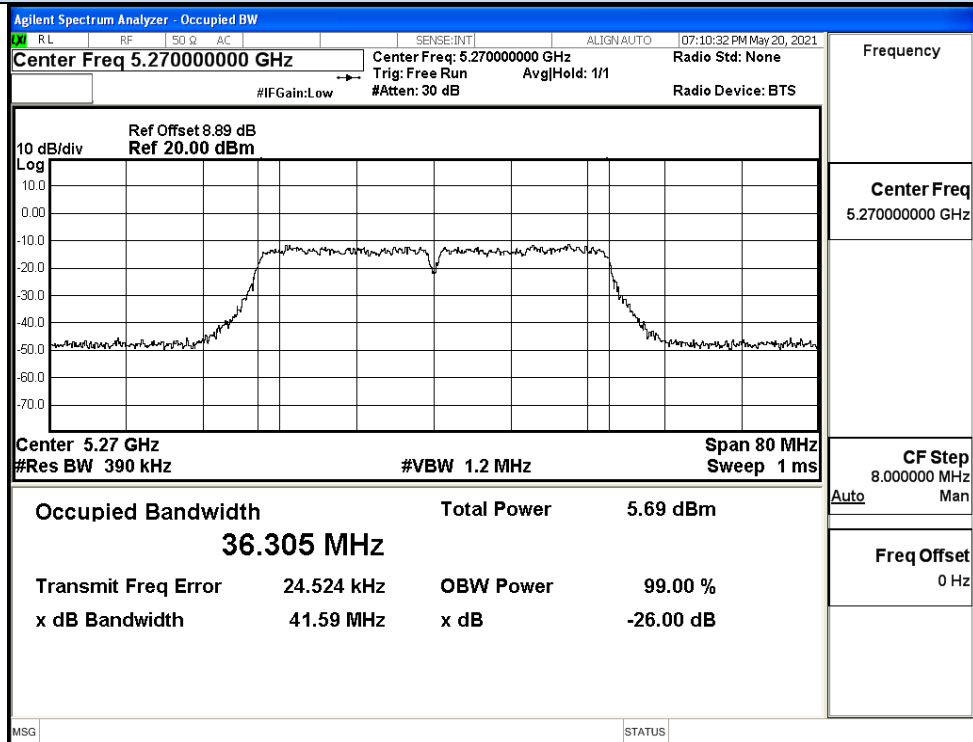
IEEE 802.11n20 / Channel 52 / 5260MHz



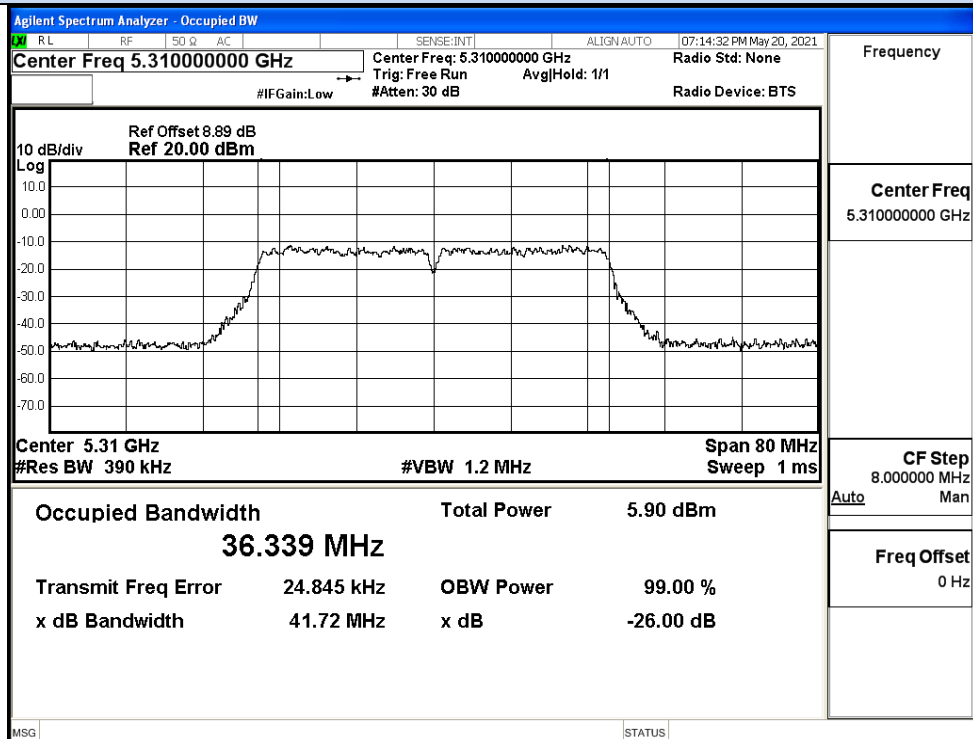
IEEE 802.11n20 / Channel 56 / 5280MHz



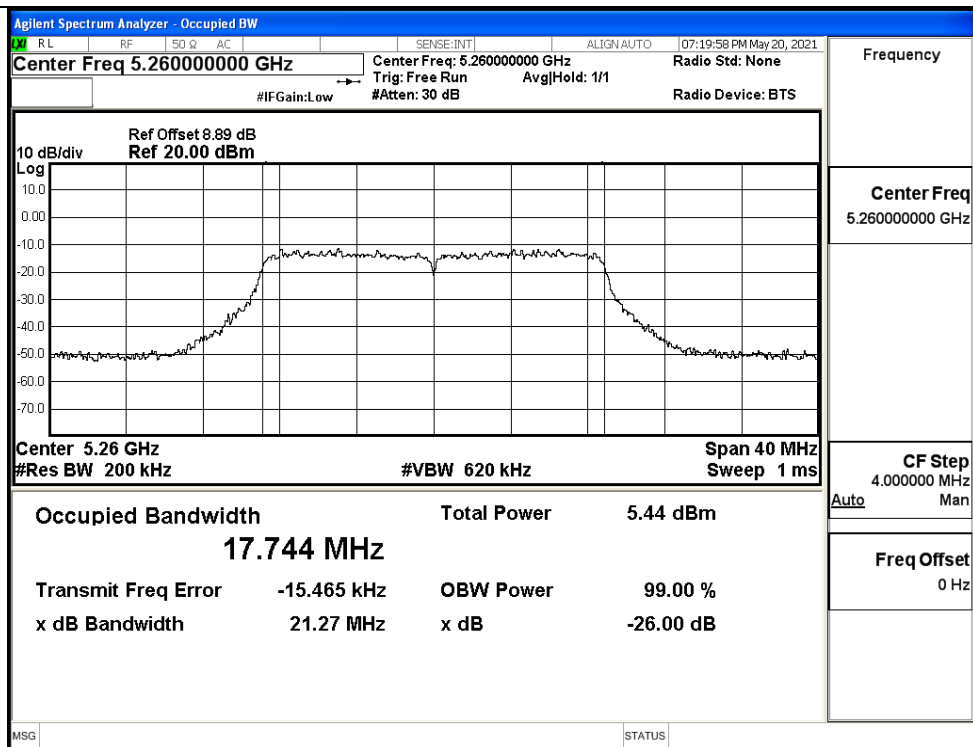
26dB Bandwidth



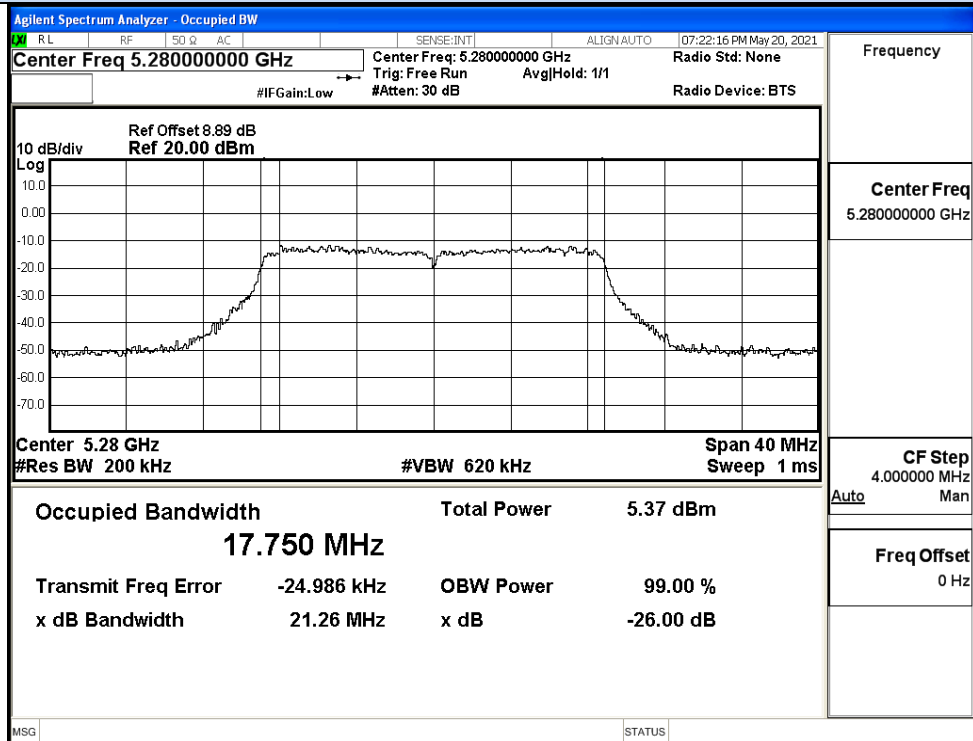
IEEE 802.11n40 / Channel 54 / 5270MHz



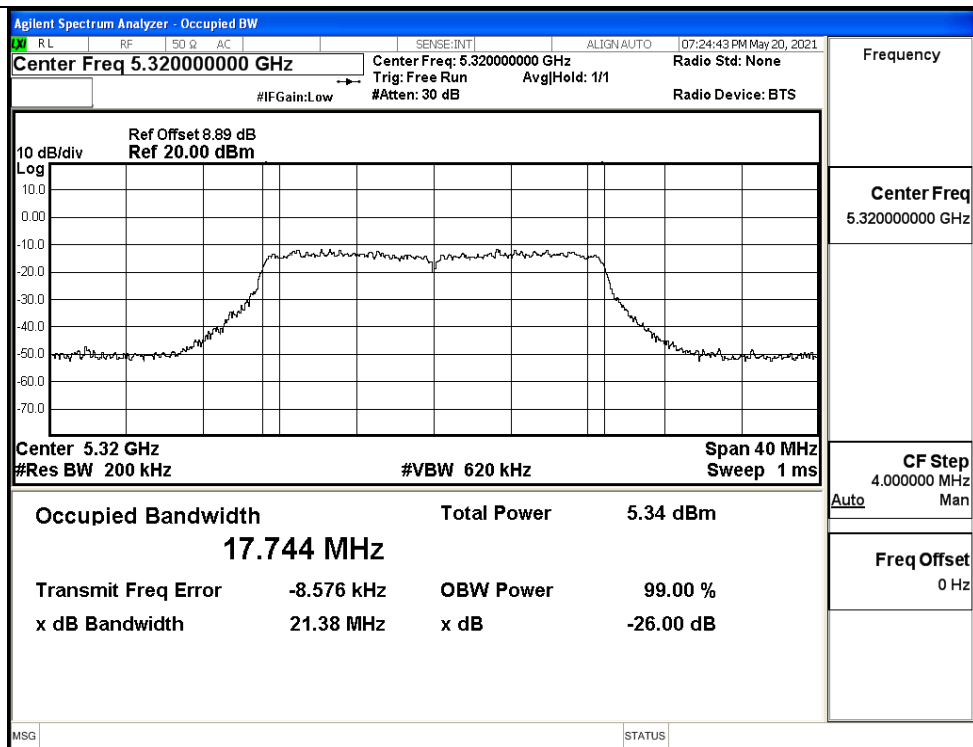
IEEE 802.11n40 / Channel 62 / 5310MHz



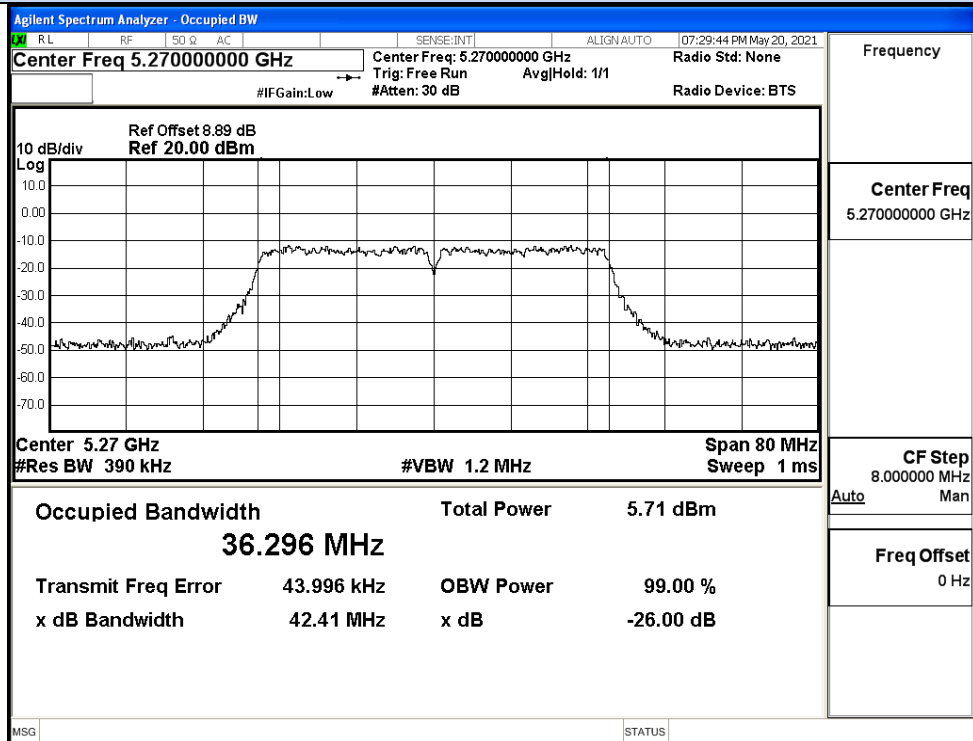
IEEE 802.11ac20 / Channel 52 / 5260MHz



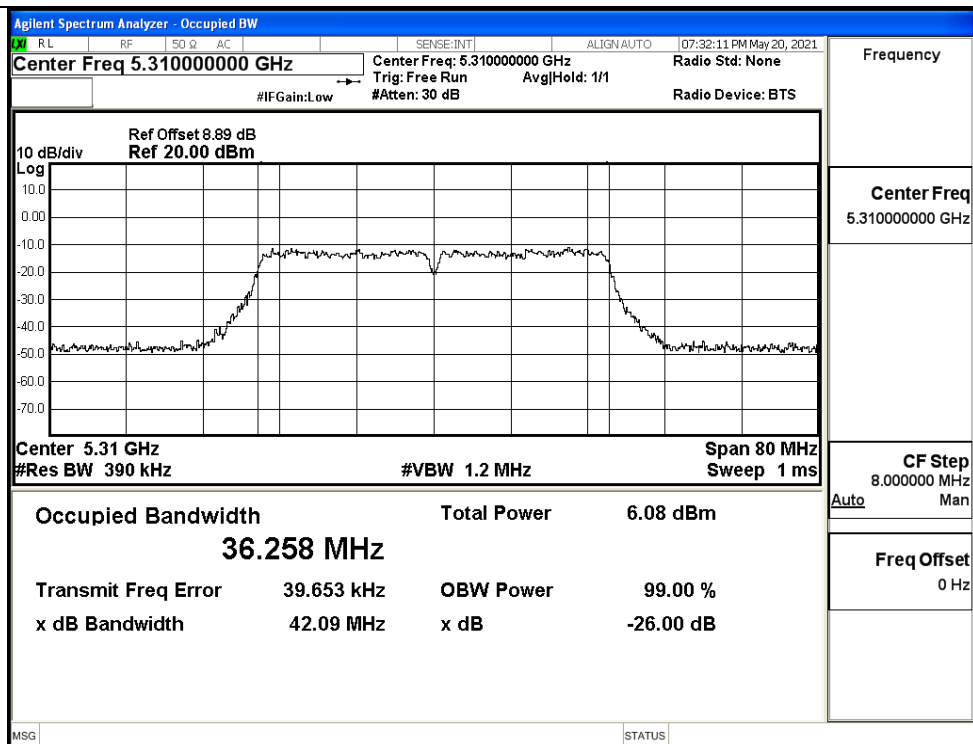
IEEE 802.11ac20 / Channel 56 / 5280MHz



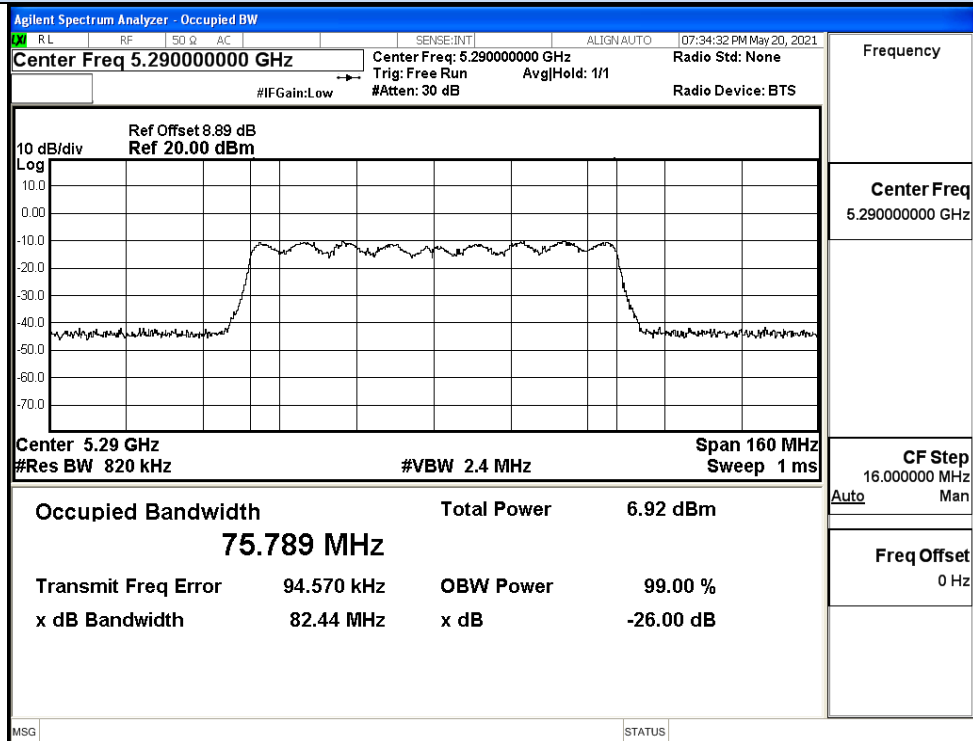
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



IEEE 802.11ac40 / Channel 62 / 5310MHz

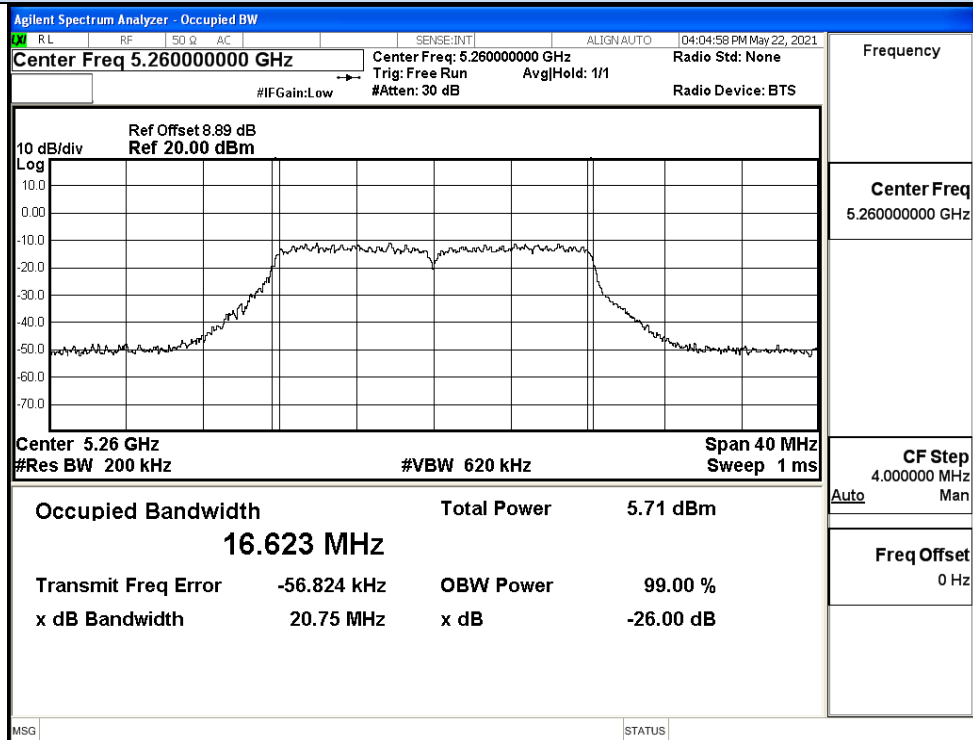


IEEE 802.11ac80 / Channel 58 / 5290MHz

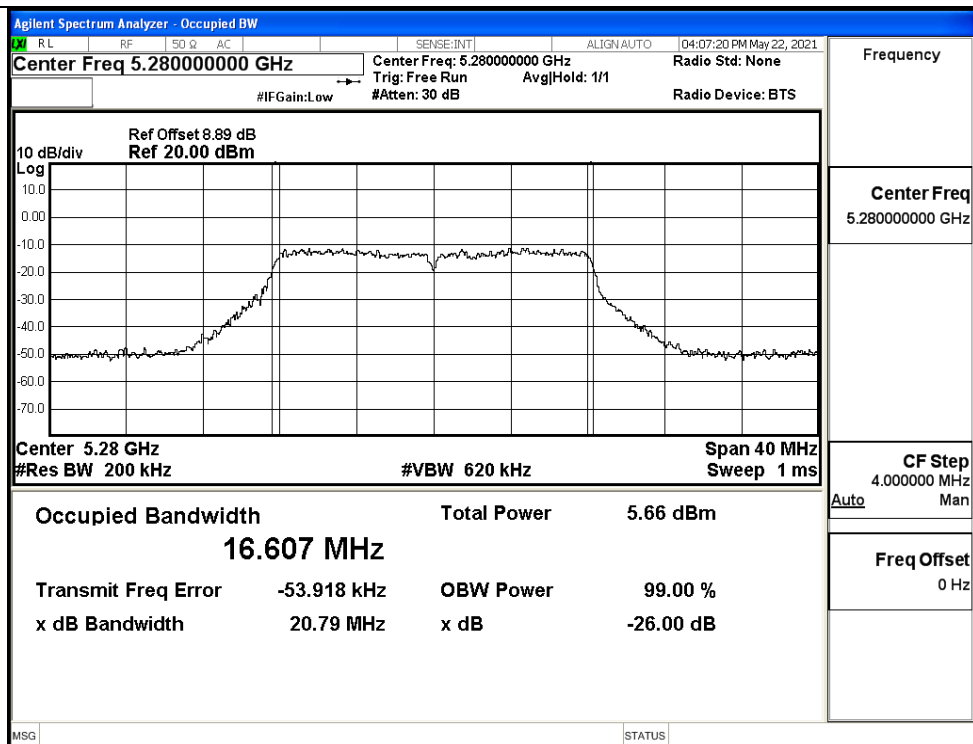
ANT1

Test Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
11A	52	5260	20.75	No Limit	Pass
	56	5280	20.79		Pass
	64	5320	20.66		Pass
11N20 SISO	52	5260	21.19	No Limit	Pass
	56	5280	21.35		Pass
	64	5320	21.42		Pass
11N40 SISO	54	5270	42.27	No Limit	Pass
	62	5310	42.38		Pass
11AC20 SISO	52	5260	21.07	No Limi	Pass
	56	5280	21.39		Pass
	64	5320	21.38		Pass
11AC40 SISO	54	5270	41.75	No Limi	Pass
	62	5310	42.33		Pass
11AC80 SISO	58	5290	82.92	No Limi	Pass

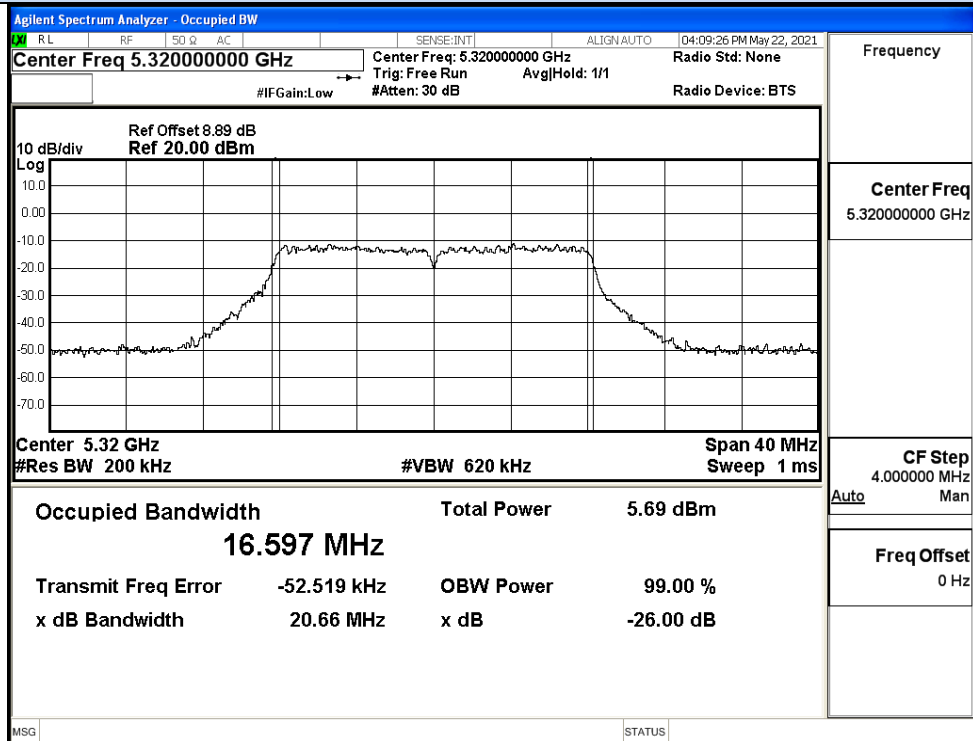
26dB Bandwidth



IEEE 802.11a / Channel 52 / 5260MHz

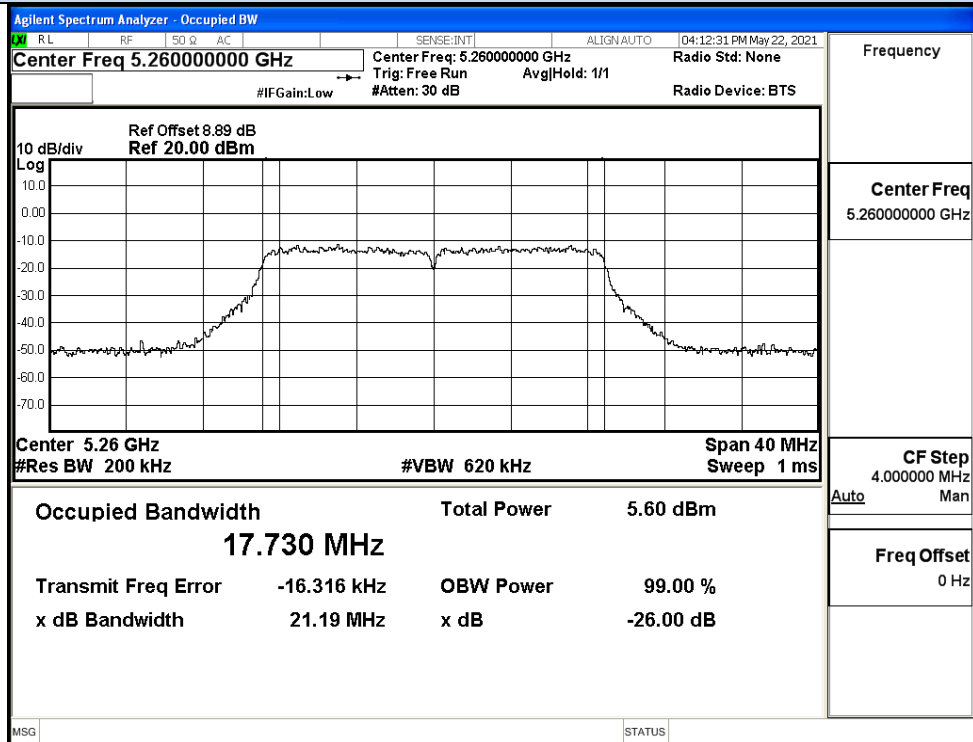


IEEE 802.11a / Channel 56 / 5280MHz

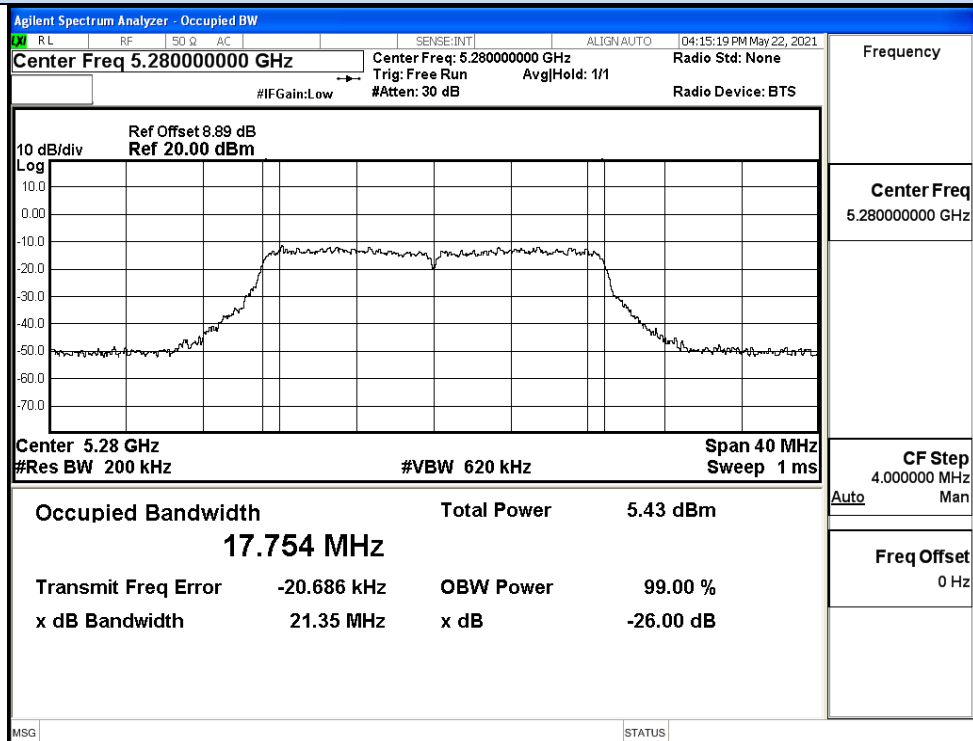


IEEE 802.11a / Channel 64 / 5320MHz

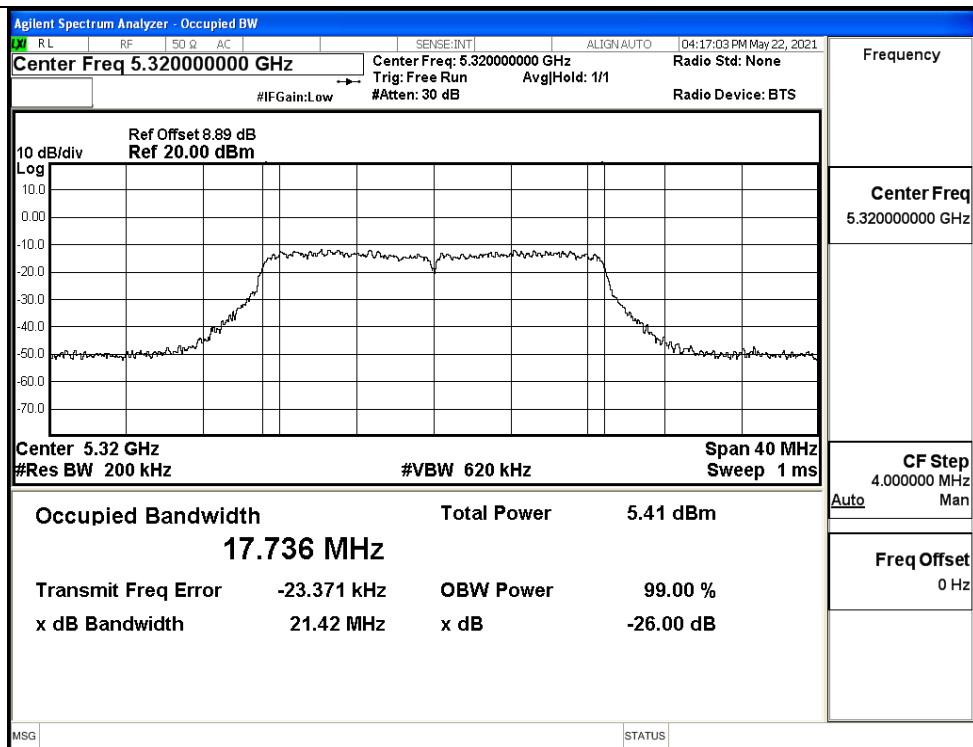
26dB Bandwidth



IEEE 802.11n20 / Channel 52 / 5260MHz

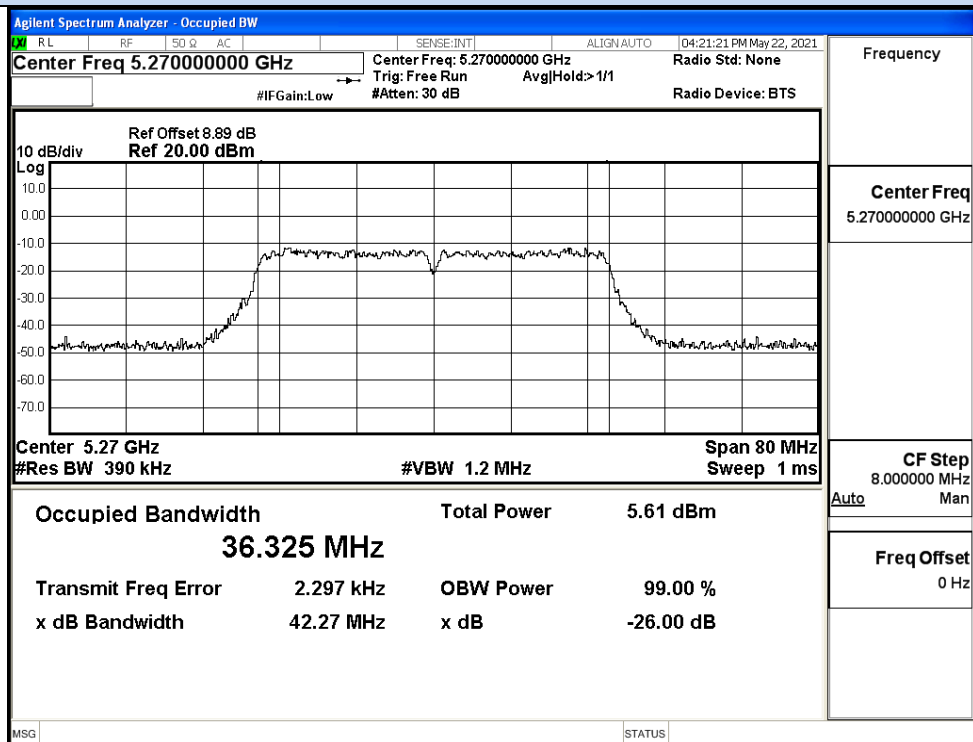


IEEE 802.11n20 / Channel 56 / 5280MHz

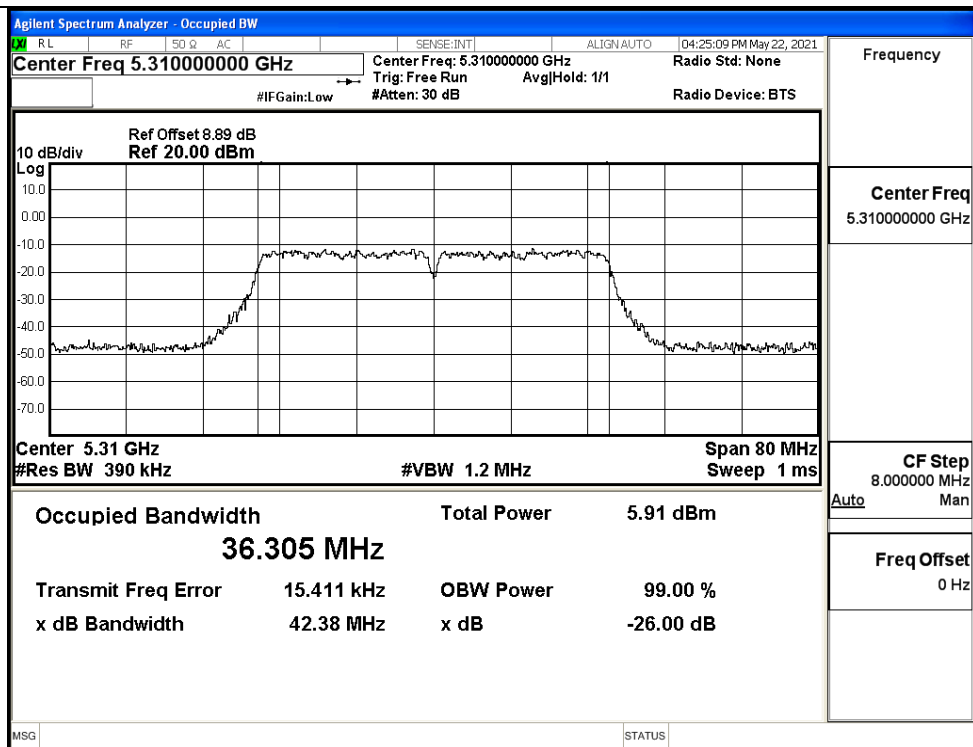


IEEE 802.11n20 / Channel 64 / 5320MHz

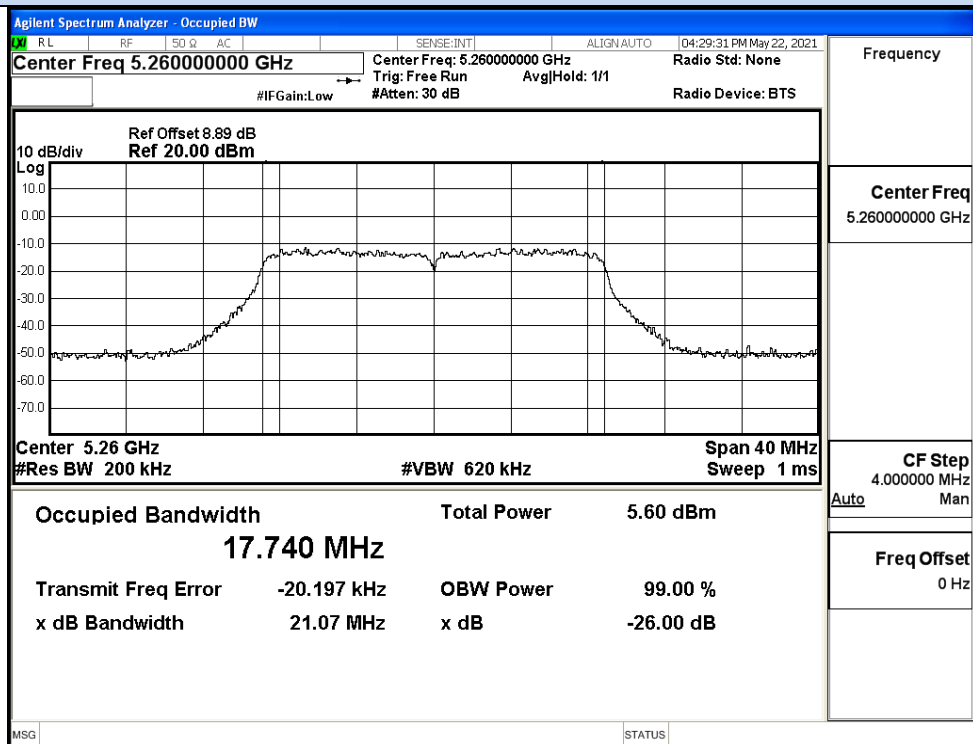
26dB Bandwidth



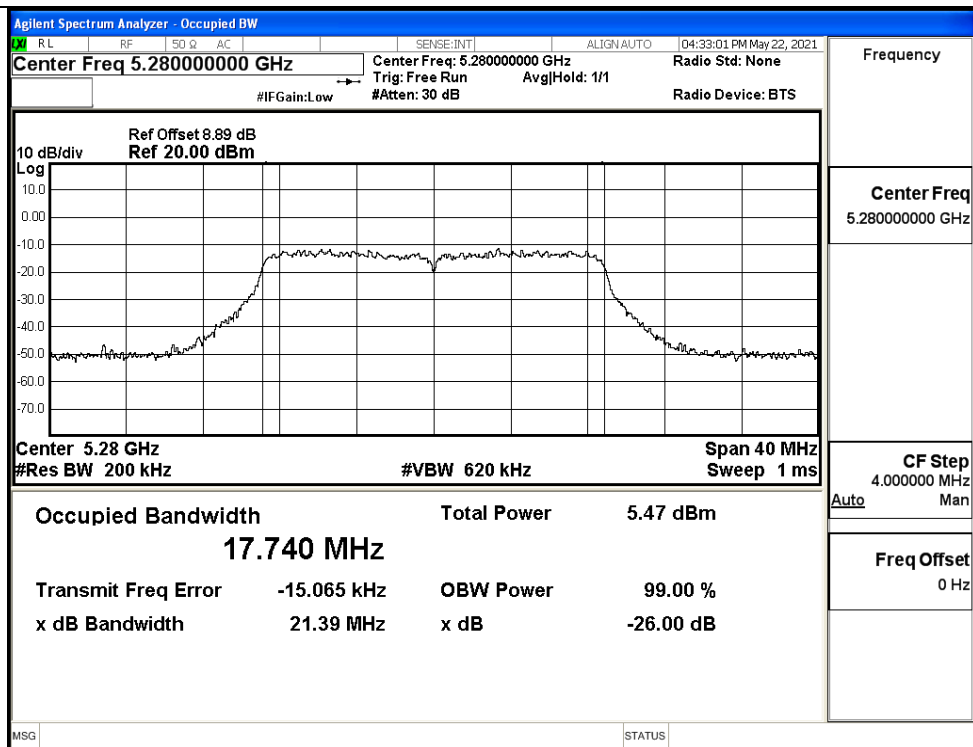
IEEE 802.11n40 / Channel 54 / 5270MHz



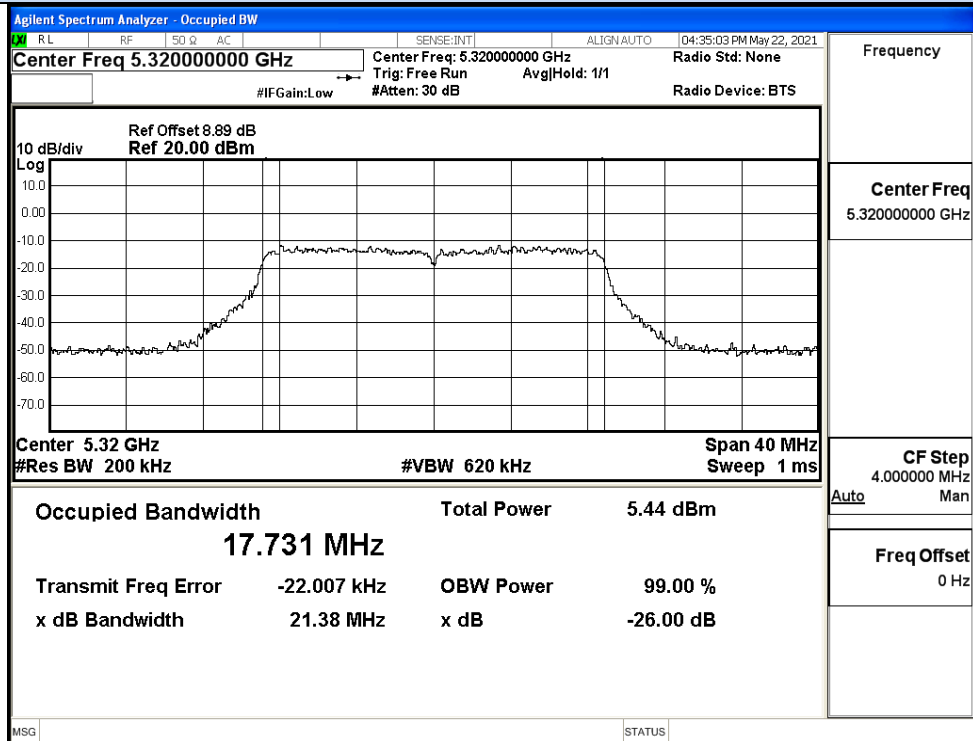
IEEE 802.11n40 / Channel 62 / 5310MHz



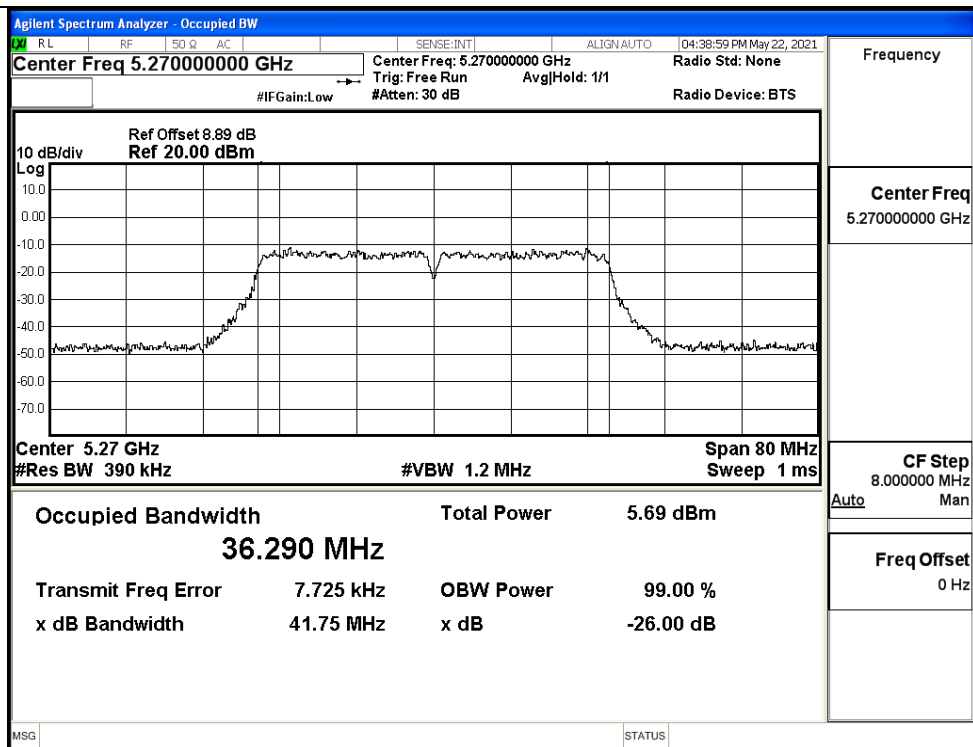
IEEE 802.11ac20 / Channel 52 / 5260MHz



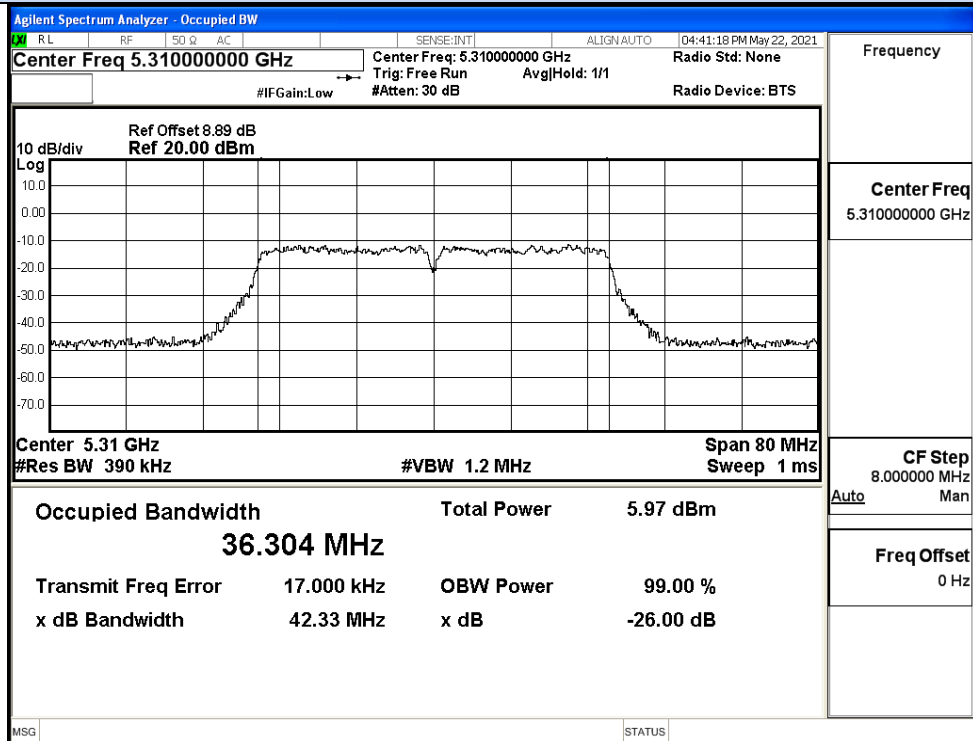
IEEE 802.11ac20 / Channel 56 / 5280MHz



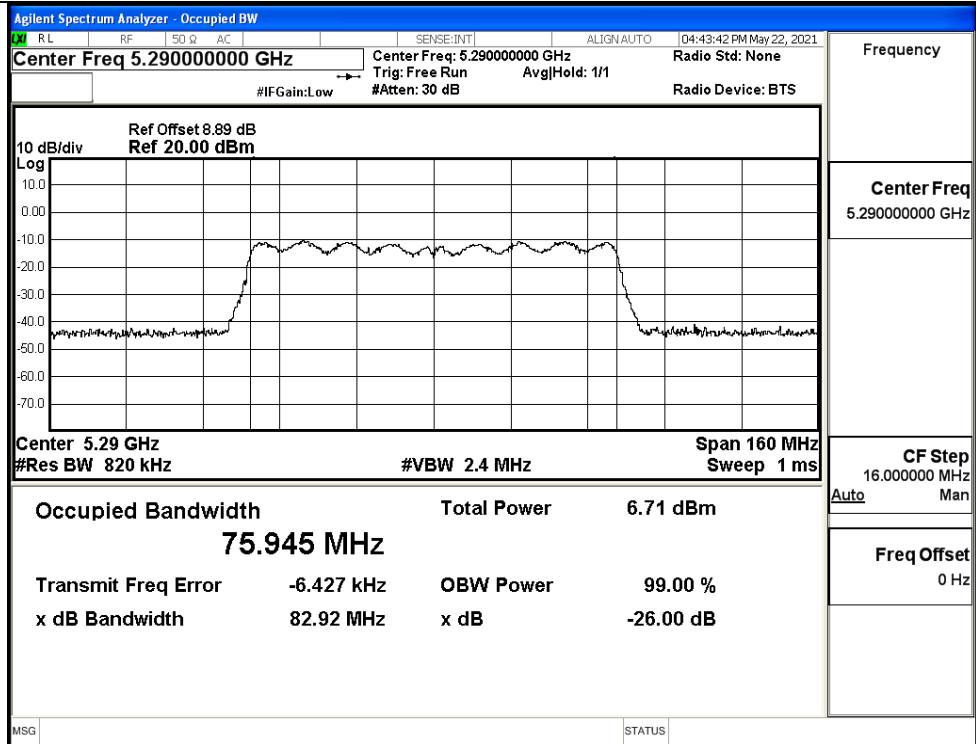
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



IEEE 802.11ac40 / Channel 62 / 5310MHz

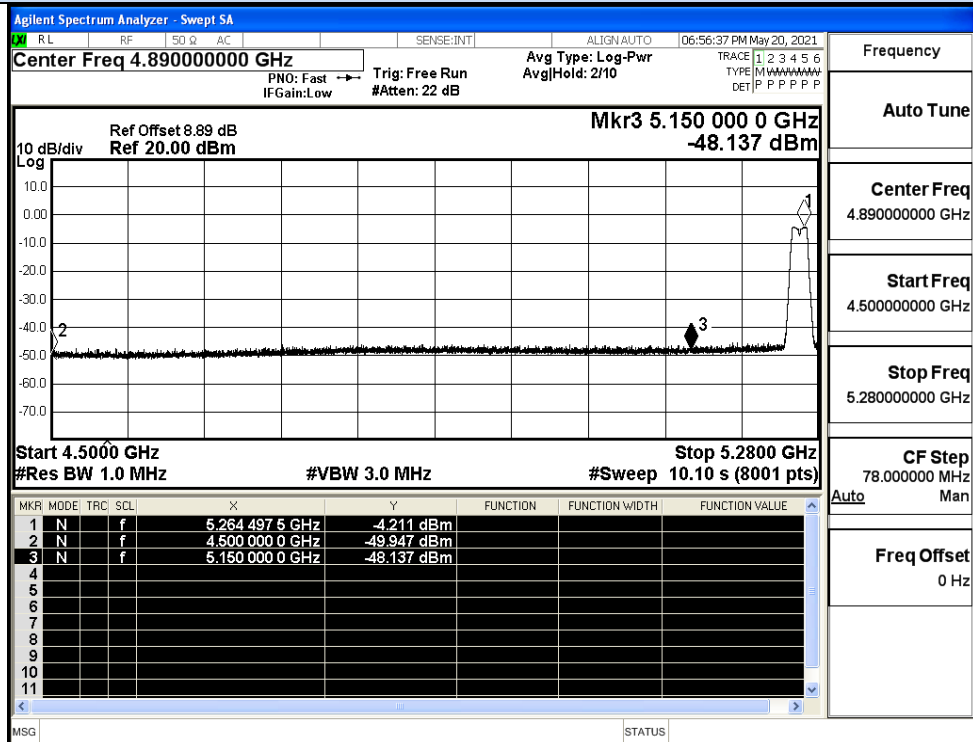


IEEE 802.11ac80 / Channel 58 / 5290MHz

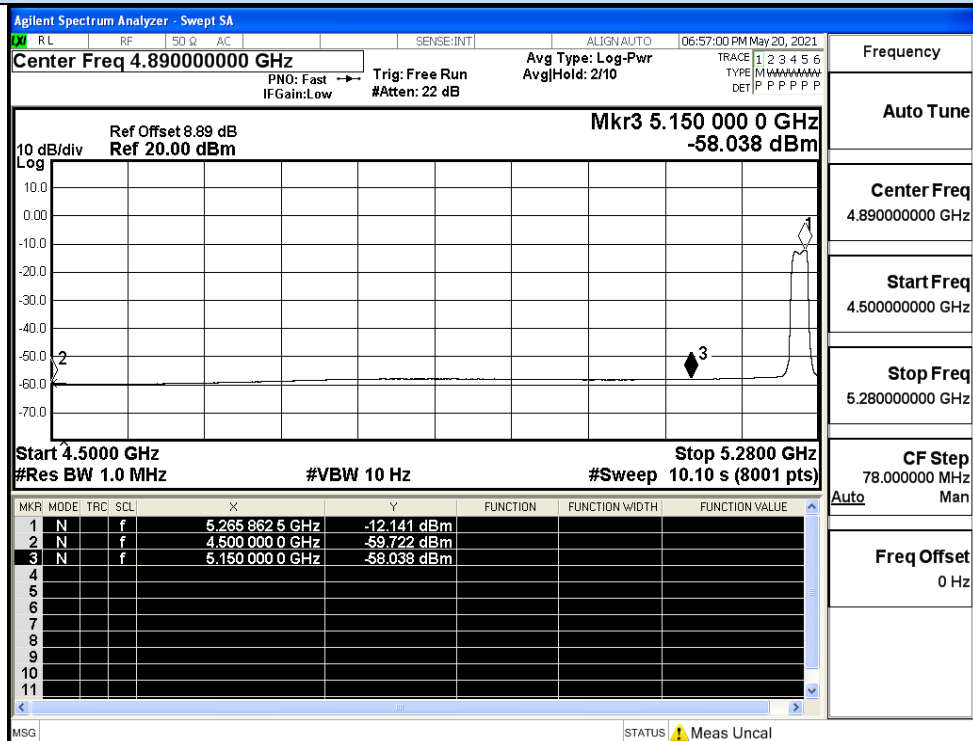
E.5 Undesirable Emissions Measurement**ANT0**

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	52	4500.0	-49.95	2.00	0	45.28	Peak	68.20	Pass
		4500.0	-59.72	2.00	0	35.51	Average	54.00	Pass
		5150.0	-48.14	2.00	0	47.09	Peak	68.20	Pass
		5150.0	-58.04	2.00	0	37.19	Average	54.00	Pass
	64	5350.0	-48.87	2.00	0	46.36	Peak	68.20	Pass
		5350.0	-59.76	2.00	0	35.46	Average	54.00	Pass
		5460.0	-49.28	2.00	0	45.95	Peak	68.20	Pass
		5460.0	-60.26	2.00	0	34.97	Average	54.00	Pass
11N2 O SISO	52	4500.0	-49.65	2.00	0	45.58	Peak	68.20	Pass
		4500.0	-59.66	2.00	0	35.57	Average	54.00	Pass
		5150.0	-48.12	2.00	0	47.11	Peak	68.20	Pass
		5150.0	-58.06	2.00	0	37.16	Average	54.00	Pass
	64	5350.0	-48.30	2.00	0	46.93	Peak	68.20	Pass
		5350.0	-59.74	2.00	0	35.48	Average	54.00	Pass
		5460.0	-47.44	2.00	0	47.79	Peak	68.20	Pass
		5460.0	-60.28	2.00	0	34.94	Average	54.00	Pass
11N4 O SISO	54	4500.0	-49.33	2.00	0	45.89	Peak	68.20	Pass
		4500.0	-59.71	2.00	0	35.52	Average	54.00	Pass
		5150.0	-48.68	2.00	0	46.55	Peak	68.20	Pass
		5150.0	-58.26	2.00	0	36.97	Average	54.00	Pass
	62	5350.0	-48.82	2.00	0	46.40	Peak	68.20	Pass
		5350.0	-60.19	2.00	0	35.04	Average	54.00	Pass
		5460.0	-48.73	2.00	0	46.50	Peak	68.20	Pass
		5460.0	-60.32	2.00	0	34.91	Average	54.00	Pass
11A C20 SIS O	52	4500.0	-49.95	2.00	0	45.27	Peak	68.20	Pass
		4500.0	-59.71	2.00	0	35.52	Average	54.00	Pass
		5150.0	-47.97	2.00	0	47.26	Peak	68.20	Pass
		5150.0	-58.05	2.00	0	37.18	Average	54.00	Pass
	64	4500.0	-49.95	2.00	0	45.27	Peak	68.20	Pass
		4500.0	-59.71	2.00	0	35.52	Average	54.00	Pass
		5150.0	-47.97	2.00	0	47.26	Peak	68.20	Pass
		5150.0	-58.05	2.00	0	37.18	Average	54.00	Pass
11A C40 SIS O	54	4500.0	-49.80	2.00	0	45.43	Peak	68.20	Pass
		4500.0	-59.79	2.00	0	35.44	Average	54.00	Pass
		5150.0	-48.11	2.00	0	47.12	Peak	68.20	Pass
		5150.0	-58.32	2.00	0	36.91	Average	54.00	Pass
	62	5350.0	-49.40	2.00	0	45.83	Peak	68.20	Pass
		5350.0	-60.19	2.00	0	35.04	Average	54.00	Pass
		5460.0	-48.70	2.00	0	46.52	Peak	68.20	Pass
		5460.0	-60.35	2.00	0	34.88	Average	54.00	Pass
11A C80 SIS O	58	4500.0	-49.31	2.00	0	47.95	Peak	68.20	Pass
		4500.0	-59.72	2.00	0	37.54	Average	54.00	Pass
		5150.0	-48.87	2.00	0	48.39	Peak	68.20	Pass
		5150.0	-58.32	2.00	0	38.94	Average	54.00	Pass
		5350.0	-48.44	2.00	0	48.82	Peak	68.20	Pass
		5350.0	-59.80	2.00	0	37.46	Average	54.00	Pass
		5460.0	-48.82	2.00	0	48.44	Peak	68.20	Pass
		5460.0	-60.02	2.00	0	37.24	Average	54.00	Pass

Undesirable Emissions Measurement

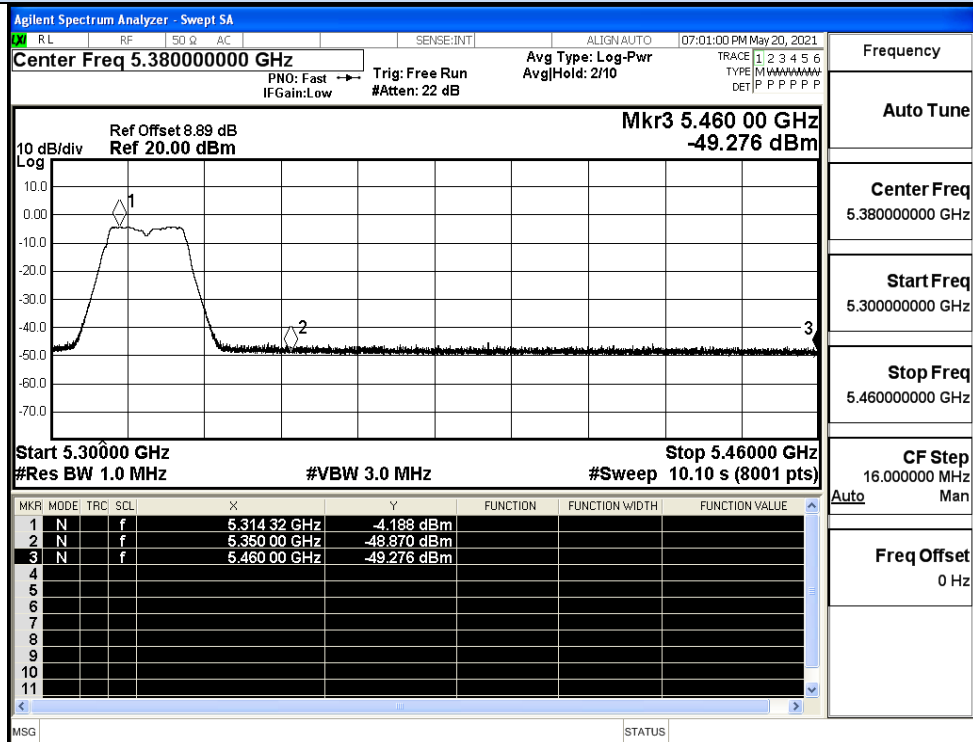


IEEE 802.11a / Channel 36 / 5260MHz / Peak

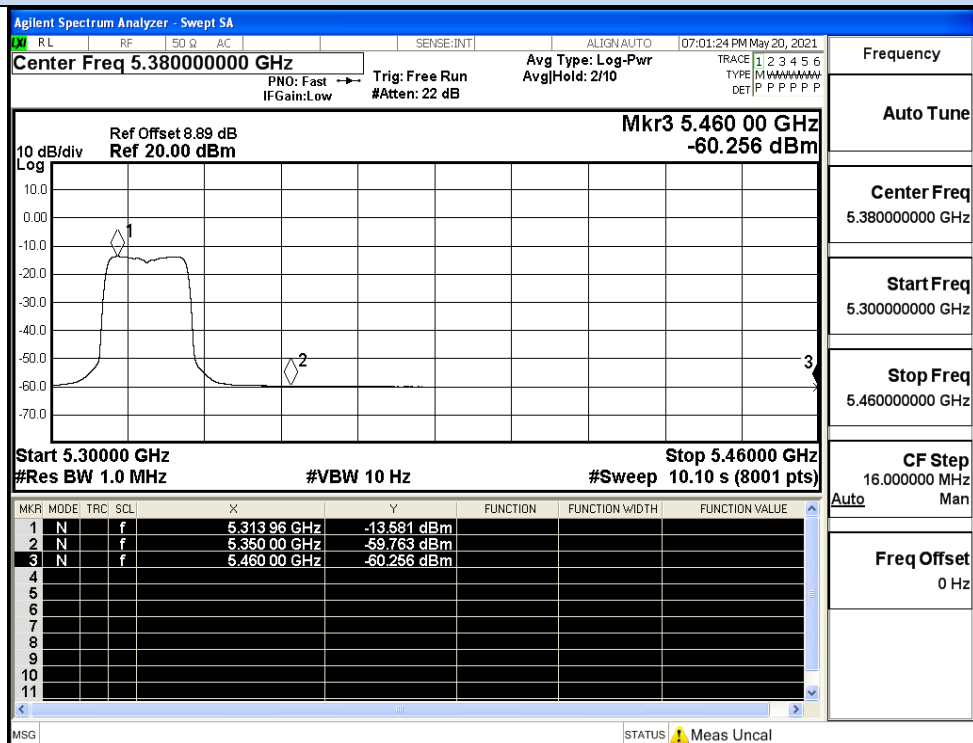


IEEE 802.11a / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

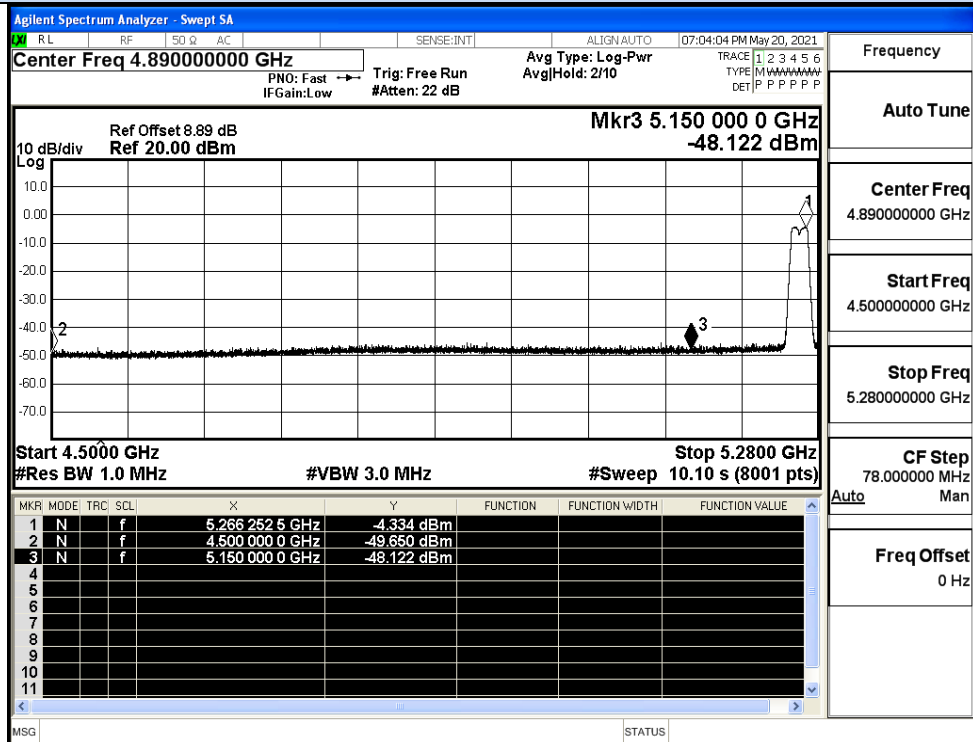


IEEE 802.11a / Channel 48 / 5320MHz / Peak

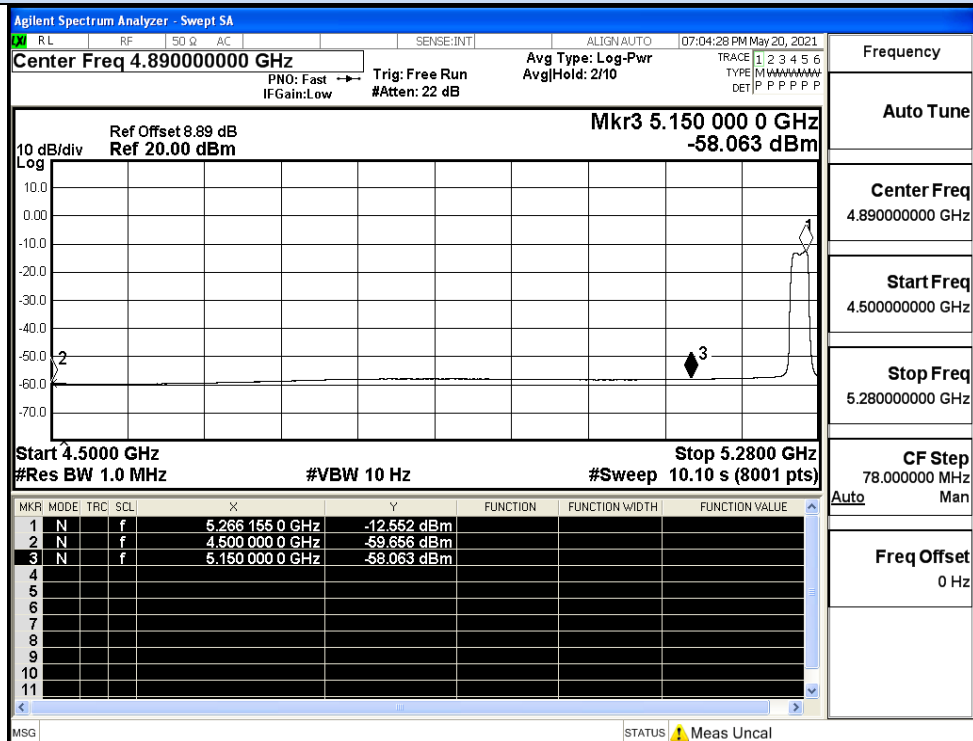


IEEE 802.11a / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

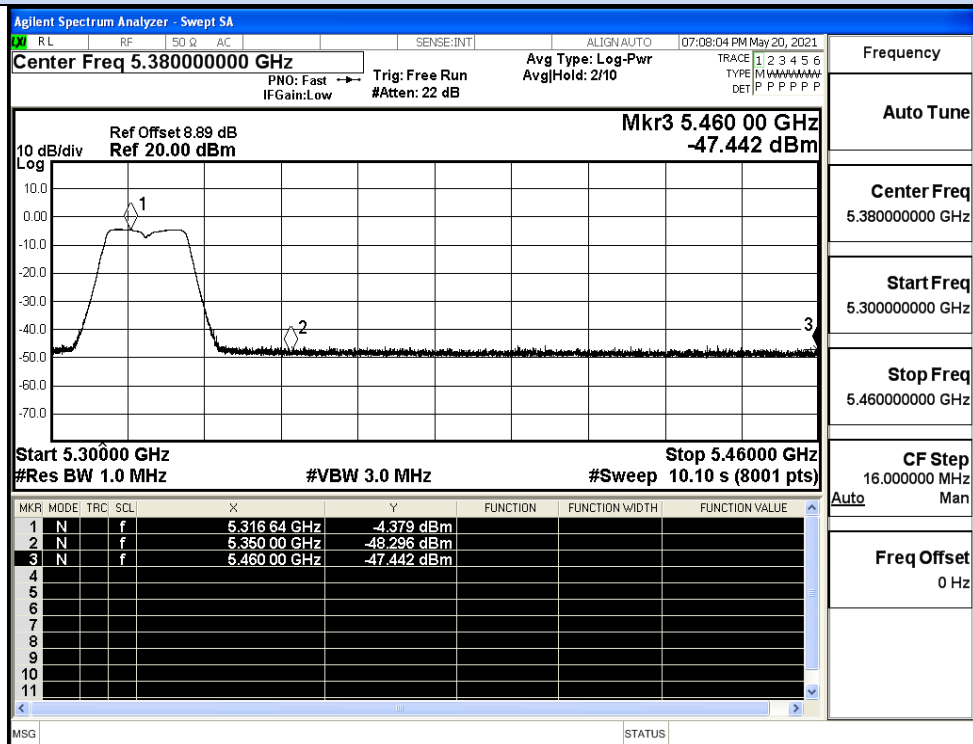


IEEE 802.11n20 / Channel 36 / 5260MHz / Peak

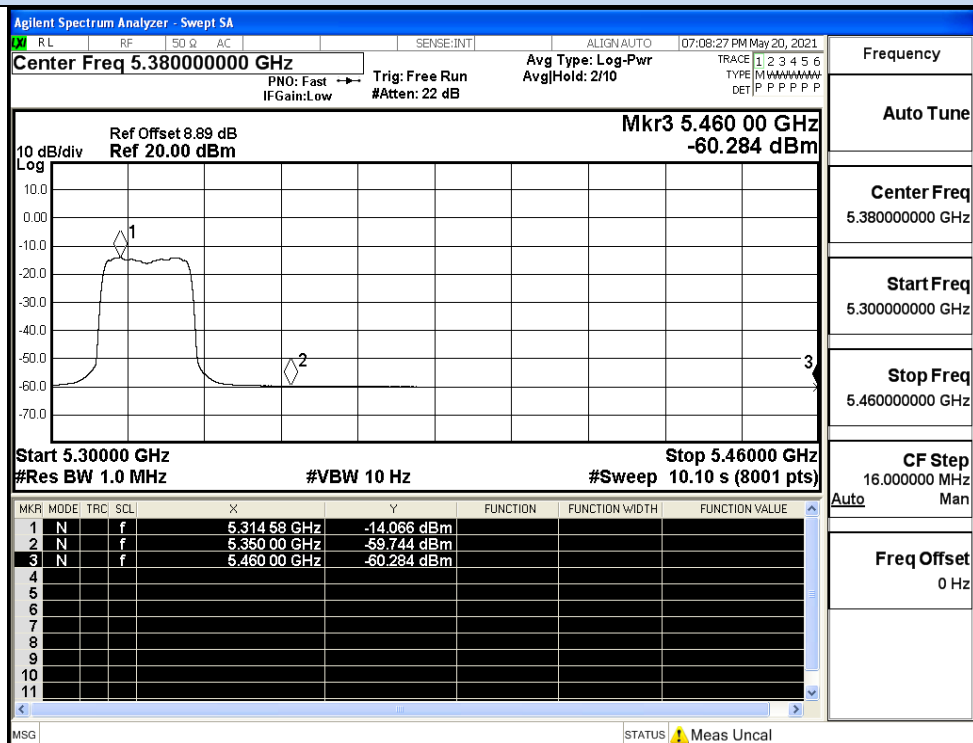


IEEE 802.11n20 / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

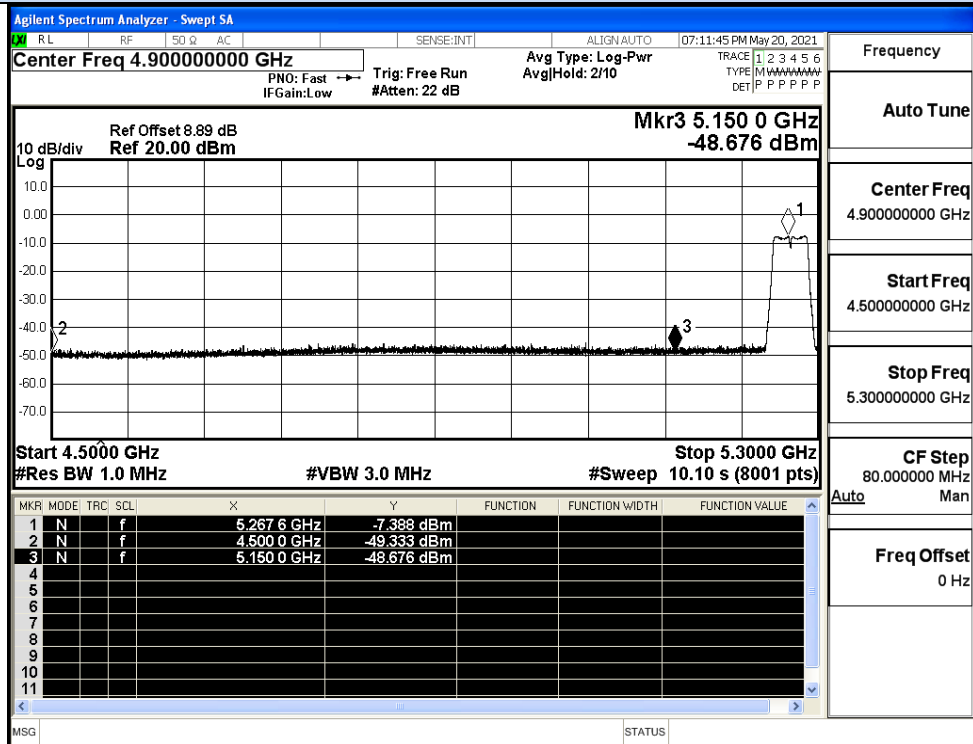


IEEE 802.11n20 / Channel 48 / 5320MHz / Peak

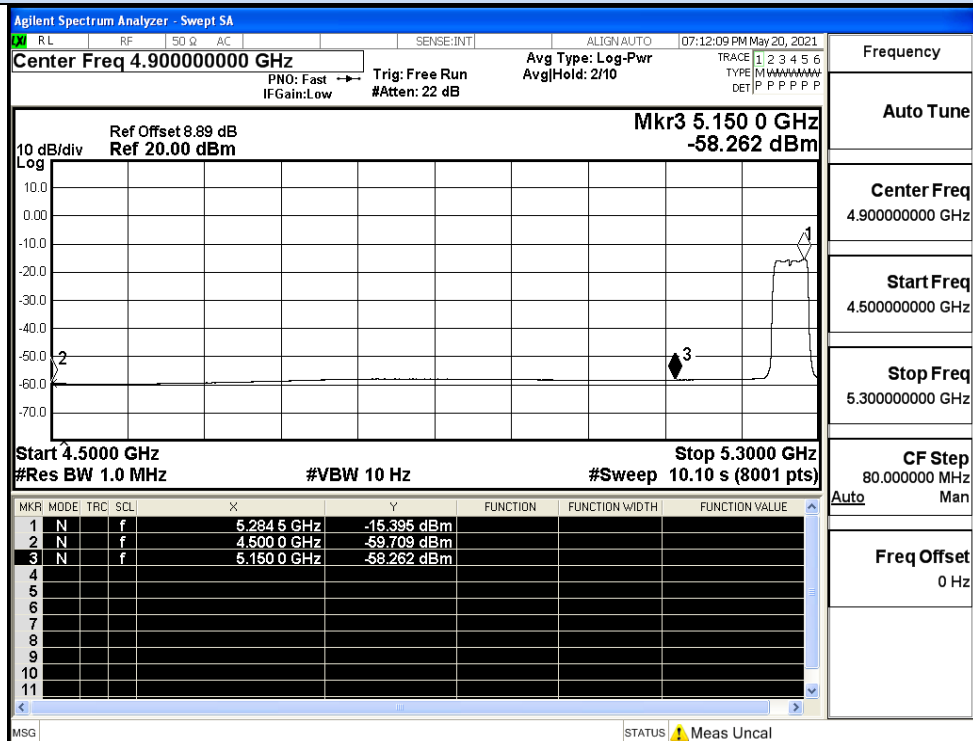


IEEE 802.11n20 / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

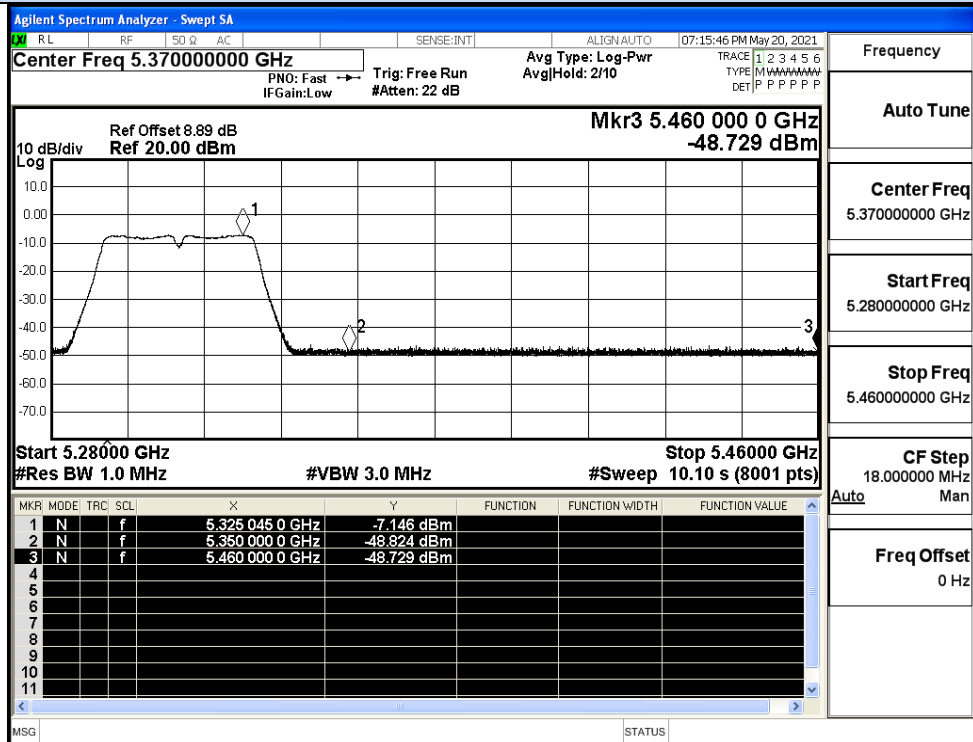


IEEE 802.11n40 / Channel 38 / 5270MHz / Peak

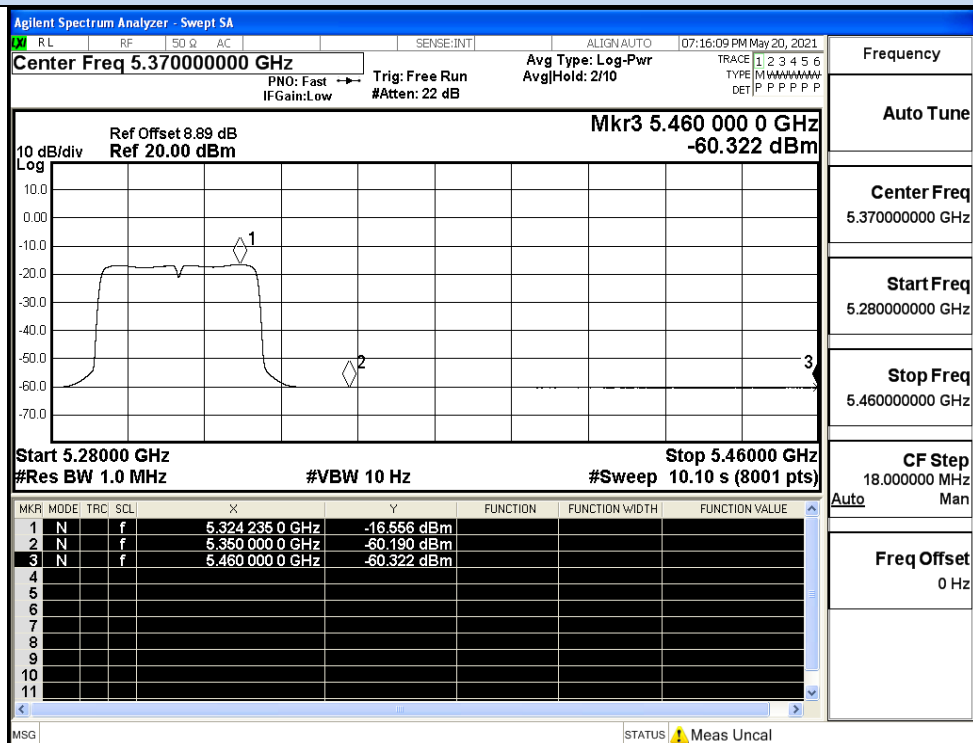


IEEE 802.11n40 / Channel 38 / 5270MHz / Average

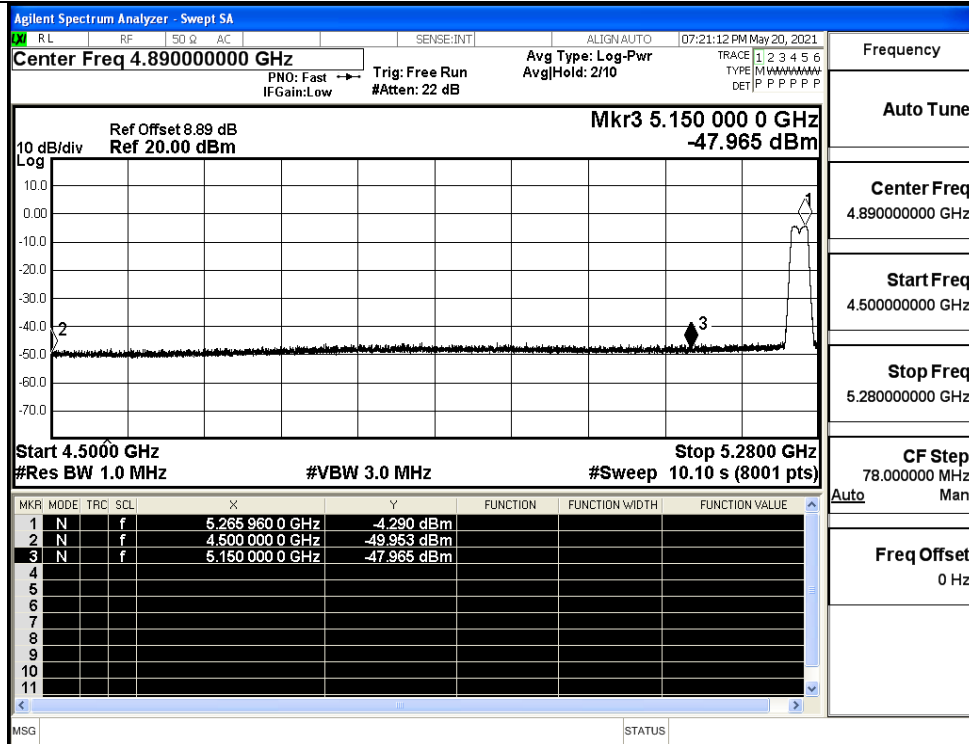
Undesirable Emissions Measurement



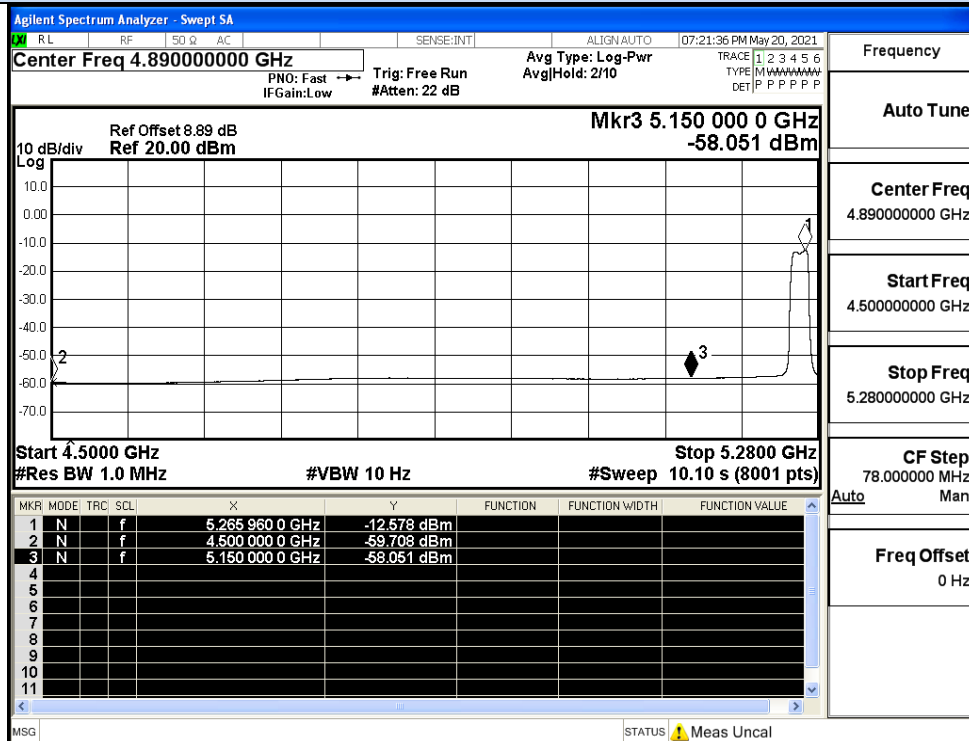
IEEE 802.11n40 / Channel 46 / 5310MHz / Peak



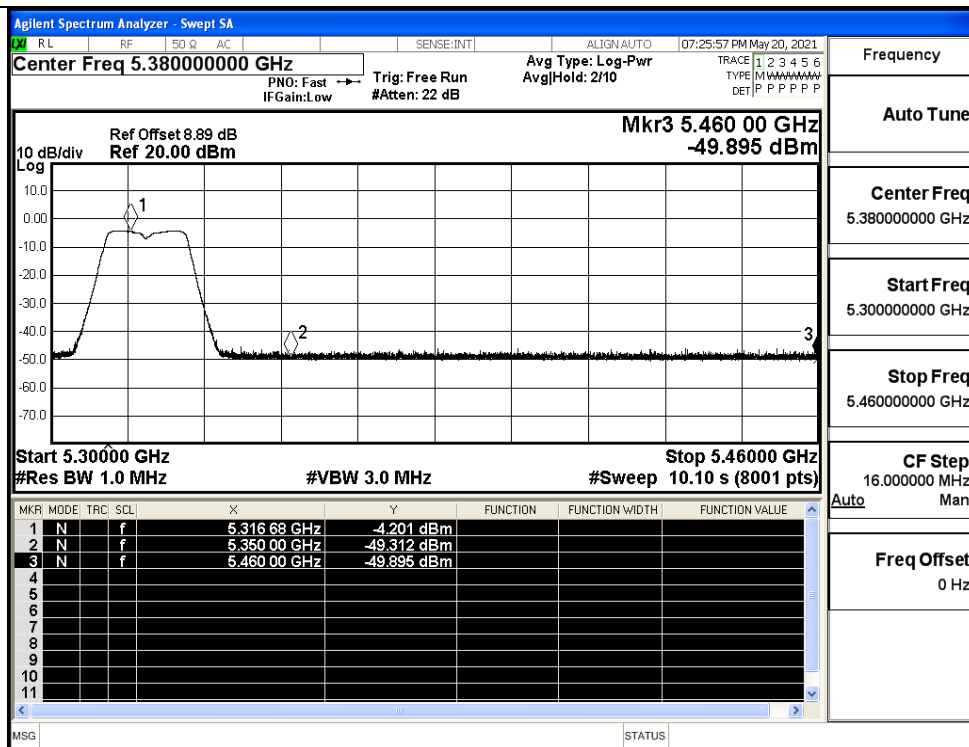
IEEE 802.11n40 / Channel 46 / 5310MHz / Average



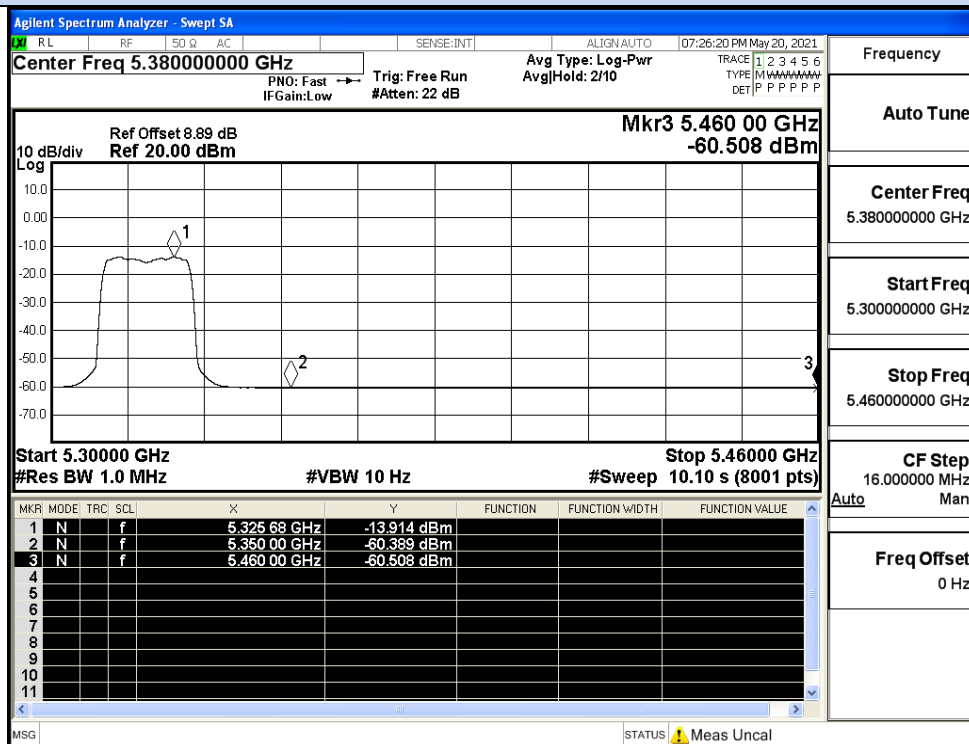
IEEE 802.11ac20 / Channel 36 / 5260MHz / Peak



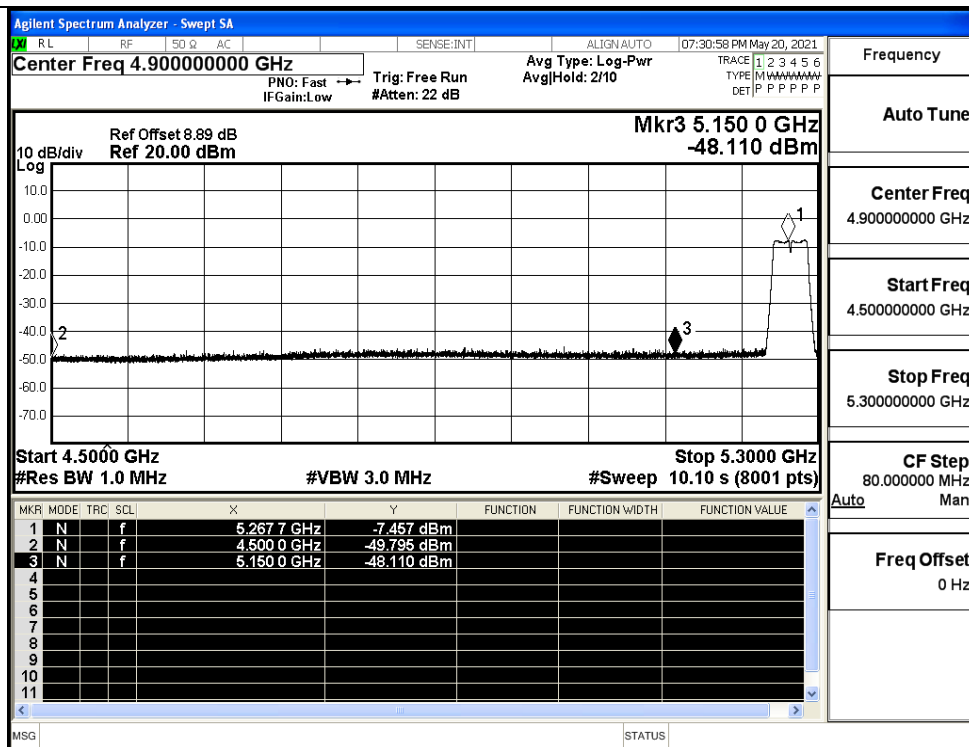
IEEE 802.11ac20 / Channel 36 / 5260MHz / Average



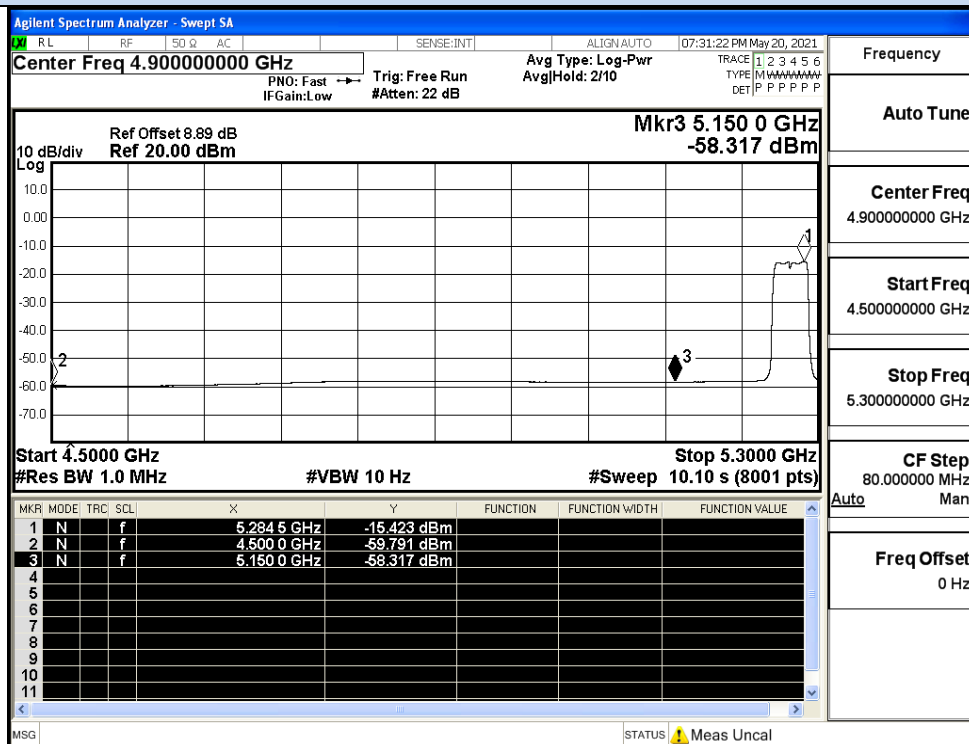
IEEE 802.11ac20 / Channel 48 / 5320MHz / Peak



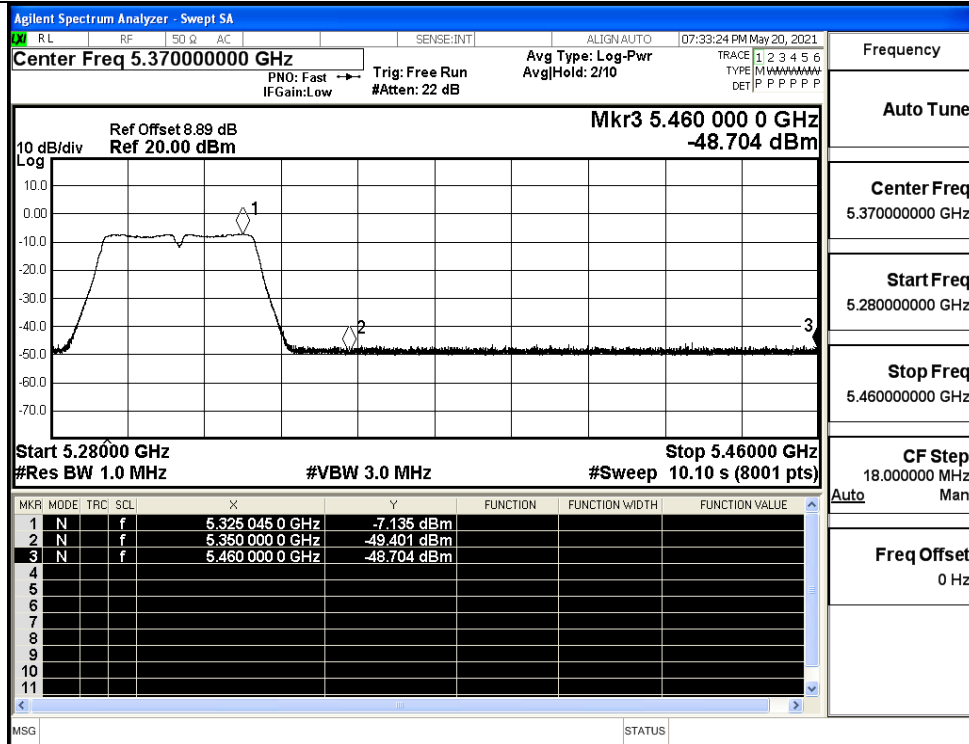
IEEE 802.11ac20 / Channel 48 / 5320MHz / Average



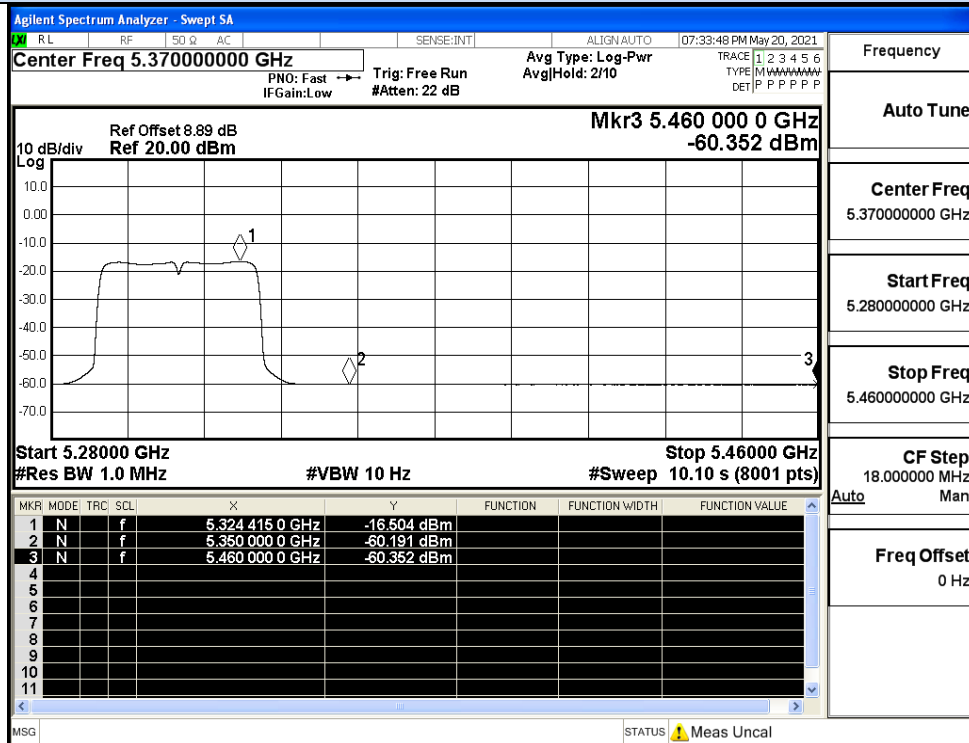
IEEE 802.11ac40 / Channel 38/ 5270MHz / Peak



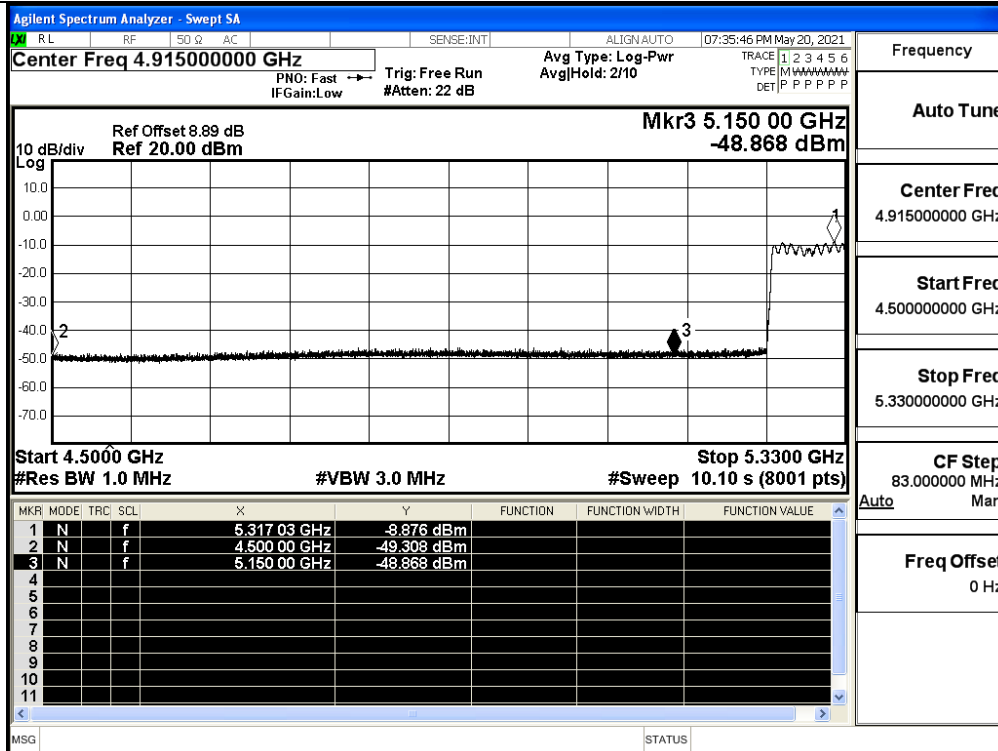
IEEE 802.11ac40 / Channel 38 / 5270MHz / Average



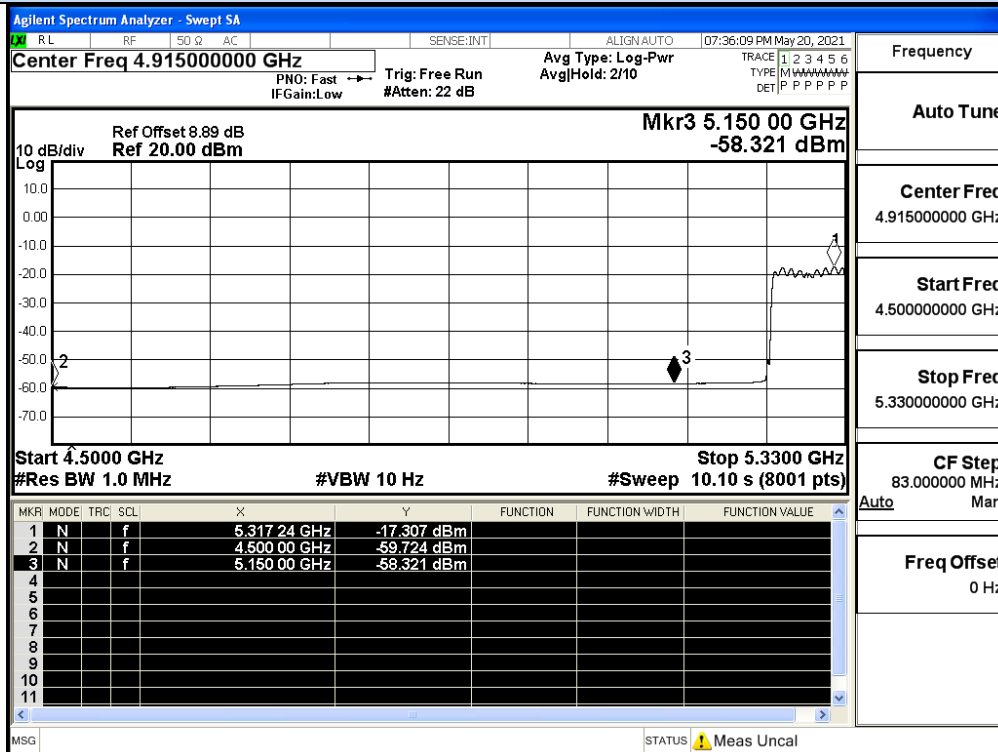
IEEE 802.11ac40 / Channel 46 / 5310MHz / Peak



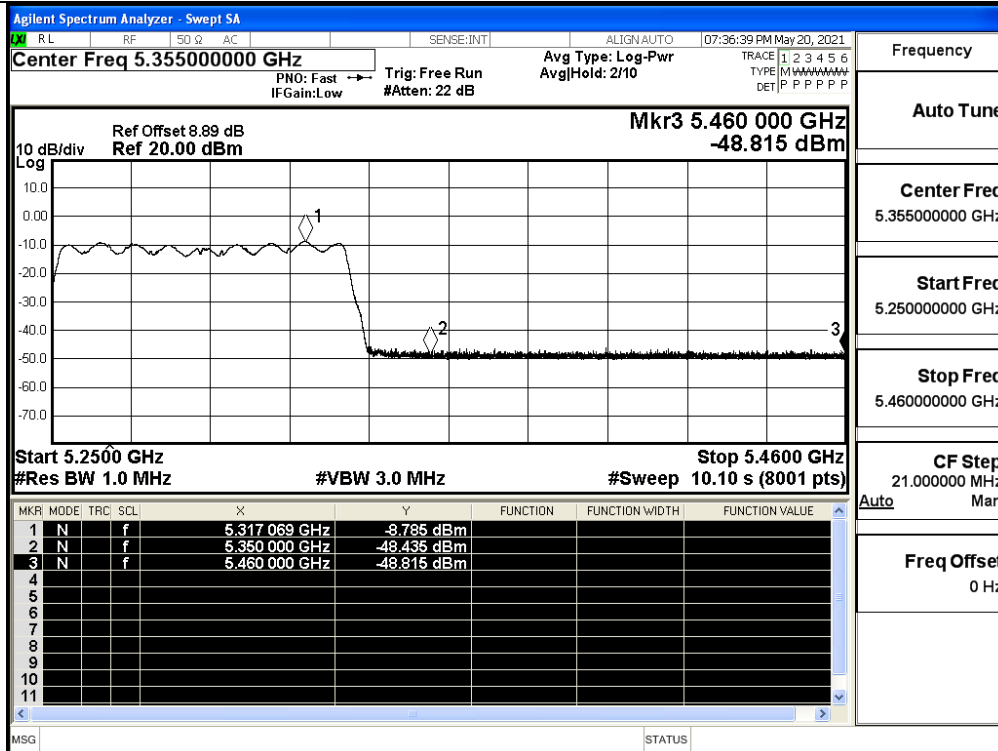
IEEE 802.11ac40 / Channel 46 / 5310MHz / Average



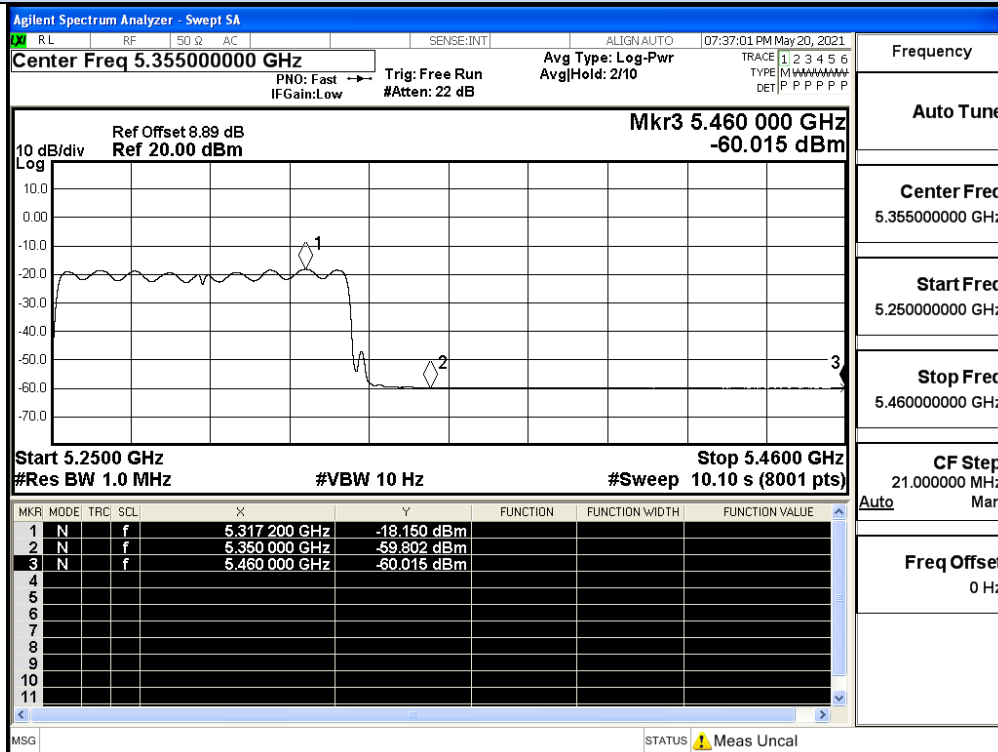
IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5290MHz / Average



IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5290MHz / Average

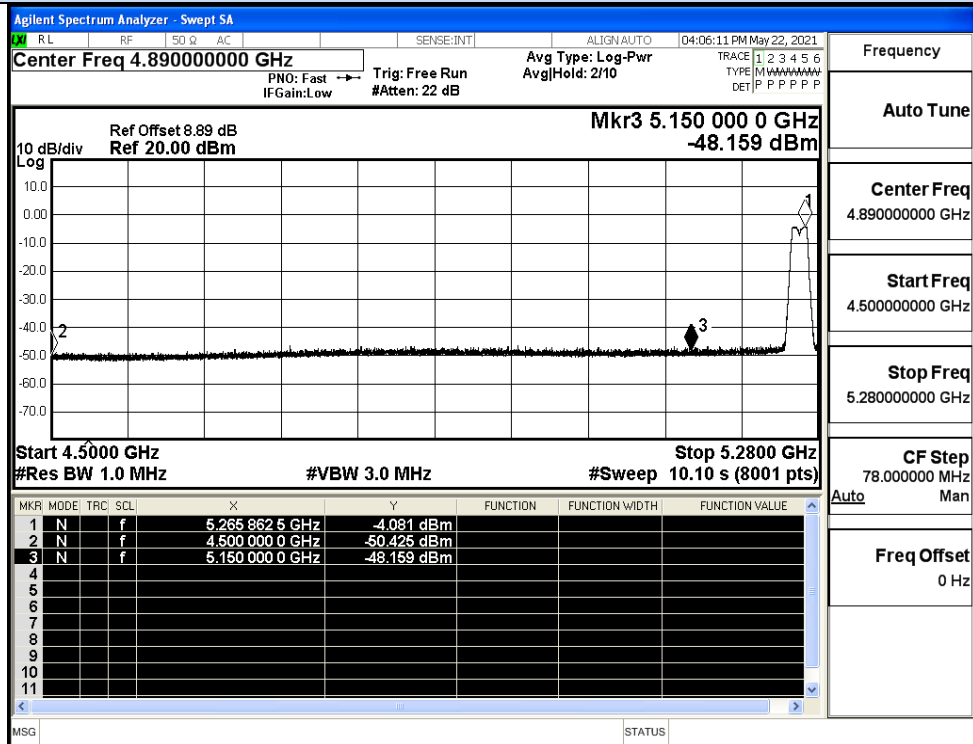
ANT1

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	52	4500.0	-50.43	2.00	0	44.80	Peak	68.20	Pass
		4500.0	-60.45	2.00	0	34.78	Average	54.00	Pass
		5150.0	-48.16	2.00	0	47.07	Peak	68.20	Pass
		5150.0	-58.77	2.00	0	36.46	Average	54.00	Pass
	64	5350.0	-49.29	2.00	0	45.93	Peak	68.20	Pass
		5350.0	-59.76	2.00	0	35.47	Average	54.00	Pass
		5460.0	-48.36	2.00	0	46.86	Peak	68.20	Pass
		5460.0	-60.26	2.00	0	34.97	Average	54.00	Pass
11N2 0 SISO	52	4500.0	-50.61	2.00	0	44.62	Peak	68.20	Pass
		4500.0	-60.41	2.00	0	34.82	Average	54.00	Pass
		5150.0	-49.55	2.00	0	45.68	Peak	68.20	Pass
		5150.0	-58.79	2.00	0	36.44	Average	54.00	Pass
	64	5350.0	-48.50	2.00	0	46.73	Peak	68.20	Pass
		5350.0	-59.76	2.00	0	35.47	Average	54.00	Pass
		5460.0	-48.81	2.00	0	46.42	Peak	68.20	Pass
		5460.0	-60.29	2.00	0	34.94	Average	54.00	Pass
11N4 0 SISO	54	4500.0	-50.96	2.00	0	44.26	Peak	68.20	Pass
		4500.0	-60.43	2.00	0	34.80	Average	54.00	Pass
		5150.0	-49.53	2.00	0	45.69	Peak	68.20	Pass
		5150.0	-58.80	2.00	0	36.42	Average	54.00	Pass
	62	5350.0	-48.34	2.00	0	46.89	Peak	68.20	Pass
		5350.0	-59.59	2.00	0	35.63	Average	54.00	Pass
		5460.0	-48.69	2.00	0	46.54	Peak	68.20	Pass
		5460.0	-60.03	2.00	0	35.20	Average	54.00	Pass
11A C20 SIS O	52	4500.0	-51.00	2.00	0	44.23	Peak	68.20	Pass
		4500.0	-60.43	2.00	0	34.80	Average	54.00	Pass
		5150.0	-49.29	2.00	0	45.93	Peak	68.20	Pass
		5150.0	-58.77	2.00	0	36.46	Average	54.00	Pass
	64	4500.0	-51.00	2.00	0	44.23	Peak	68.20	Pass
		4500.0	-60.43	2.00	0	34.80	Average	54.00	Pass
		5150.0	-49.29	2.00	0	45.93	Peak	68.20	Pass
		5150.0	-58.77	2.00	0	36.46	Average	54.00	Pass
11A C40 SIS O	54	4500.0	-50.10	2.00	0	45.13	Peak	68.20	Pass
		4500.0	-60.40	2.00	0	34.83	Average	54.00	Pass
		5150.0	-49.48	2.00	0	45.75	Peak	68.20	Pass
		5150.0	-58.82	2.00	0	36.41	Average	54.00	Pass
	62	5350.0	-48.27	2.00	0	46.96	Peak	68.20	Pass
		5350.0	-59.62	2.00	0	35.61	Average	54.00	Pass
		5460.0	-48.42	2.00	0	46.80	Peak	68.20	Pass
		5460.0	-60.06	2.00	0	35.17	Average	54.00	Pass
11A C80 SIS O	58	4500.0	-50.63	2.00	0	46.63	Peak	68.20	Pass
		4500.0	-60.47	2.00	0	36.79	Average	54.00	Pass
		5150.0	-49.70	2.00	0	47.56	Peak	68.20	Pass
		5150.0	-58.80	2.00	0	38.46	Average	54.00	Pass
		5350.0	-49.38	2.00	0	47.88	Peak	68.20	Pass
		5350.0	-59.40	2.00	0	37.86	Average	54.00	Pass
		5460.0	-49.51	2.00	0	47.75	Peak	68.20	Pass
		5460.0	-59.69	2.00	0	37.57	Average	54.00	Pass

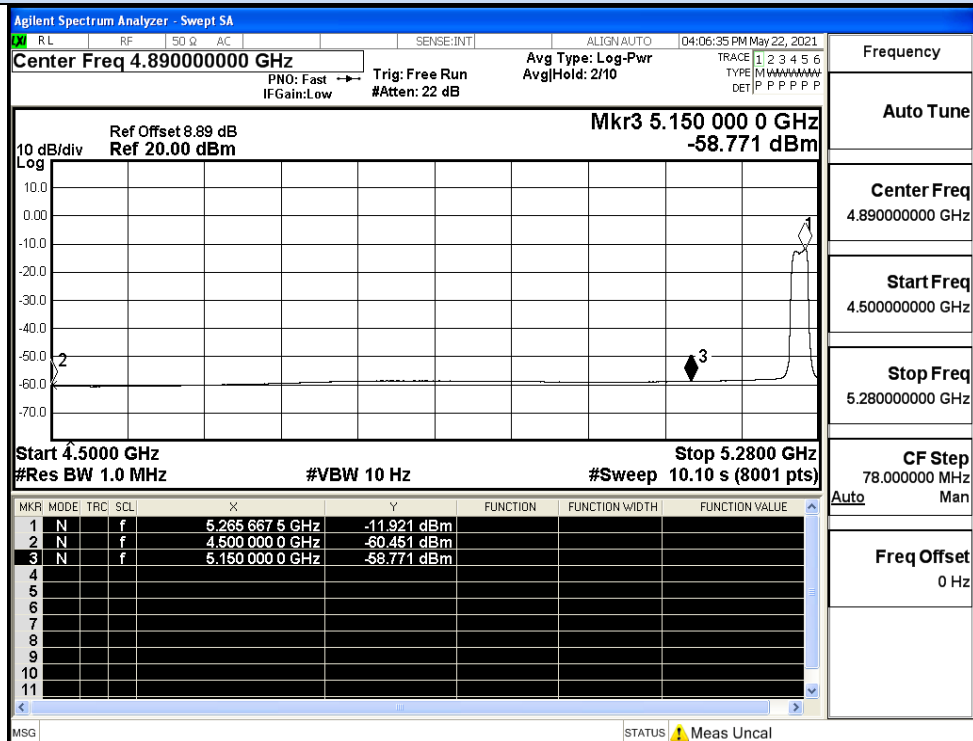
Combined Ant_0 and Ant_1

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
			Ant0	Ant1	Sum						
11N20 SISO	52	4500.0	-49.65	-50.61	-47.09	4.81	0	52.98	Peak	68.20	Pass
		4500.0	-59.66	-60.41	-57.01	4.81	0	43.06	Average	54.00	Pass
		5150.0	-48.12	-49.55	-45.77	4.81	0	54.3	Peak	68.20	Pass
		5150.0	-58.06	-58.79	-55.40	4.81	0	44.67	Average	54.00	Pass
	64	5350.0	-48.30	-48.50	-45.39	4.81	0	54.68	Peak	68.20	Pass
		5350.0	-59.74	-59.76	-56.74	4.81	0	43.33	Average	54.00	Pass
		5460.0	-47.44	-48.81	-45.06	4.81	0	55.01	Peak	68.20	Pass
		5460.0	-60.28	-60.29	-57.27	4.81	0	42.8	Average	54.00	Pass
11N40 SISO	54	4500.0	-49.33	-50.96	-47.06	4.81	0	53.01	Peak	68.20	Pass
		4500.0	-59.71	-60.43	-57.04	4.81	0	43.03	Average	54.00	Pass
		5150.0	-48.68	-49.53	-46.07	4.81	0	54	Peak	68.20	Pass
		5150.0	-58.26	-58.80	-55.51	4.81	0	44.56	Average	54.00	Pass
	62	5350.0	-48.82	-48.34	-45.56	4.81	0	54.51	Peak	68.20	Pass
		5350.0	-60.19	-59.59	-56.87	4.81	0	43.2	Average	54.00	Pass
		5460.0	-48.73	-48.69	-45.70	4.81	0	54.37	Peak	68.20	Pass
		5460.0	-60.32	-60.03	-57.16	4.81	0	42.91	Average	54.00	Pass
11AC20 SISO	52	4500.0	-49.95	-51.00	-47.43	4.81	0	52.64	Peak	68.20	Pass
		4500.0	-59.71	-60.43	-57.04	4.81	0	43.03	Average	54.00	Pass
		5150.0	-47.97	-49.29	-45.57	4.81	0	54.5	Peak	68.20	Pass
		5150.0	-58.05	-58.77	-55.38	4.81	0	44.69	Average	54.00	Pass
	64	4500.0	-49.95	-51.00	-47.43	4.81	0	52.64	Peak	68.20	Pass
		4500.0	-59.71	-60.43	-57.04	4.81	0	43.03	Average	54.00	Pass
		5150.0	-47.97	-49.29	-45.57	4.81	0	54.5	Peak	68.20	Pass
		5150.0	-58.05	-58.77	-55.38	4.81	0	44.69	Average	54.00	Pass
11AC40 SISO	54	4500.0	-49.80	-50.10	-46.94	4.81	0	53.13	Peak	68.20	Pass
		4500.0	-59.79	-60.40	-57.07	4.81	0	43	Average	54.00	Pass
		5150.0	-48.11	-49.48	-45.73	4.81	0	54.34	Peak	68.20	Pass
		5150.0	-58.32	-58.82	-55.55	4.81	0	44.52	Average	54.00	Pass
	62	5350.0	-49.40	-48.27	-45.79	4.81	0	54.28	Peak	68.20	Pass
		5350.0	-60.19	-59.62	-56.89	4.81	0	43.18	Average	54.00	Pass
		5460.0	-48.70	-48.42	-45.55	4.81	0	54.52	Peak	68.20	Pass
		5460.0	-60.35	-60.06	-57.19	4.81	0	42.88	Average	54.00	Pass
11AC80 SISO	58	4500.0	-49.31	-50.63	-46.91	4.81	0	53.16	Peak	68.20	Pass
		4500.0	-59.72	-60.47	-57.07	4.81	0	43	Average	54.00	Pass
		5150.0	-48.87	-49.70	-46.25	4.81	0	53.82	Peak	68.20	Pass
		5150.0	-58.32	-58.80	-55.54	4.81	0	44.53	Average	54.00	Pass
		5350.0	-48.44	-49.38	-45.87	4.81	0	54.2	Peak	68.20	Pass
		5350.0	-59.80	-59.40	-56.59	4.81	0	43.48	Average	54.00	Pass
		5460.0	-48.82	-49.51	-46.14	4.81	0	53.93	Peak	68.20	Pass
		5460.0	-60.02	-59.69	-56.84	4.81	0	43.23	Average	54.00	Pass

Undesirable Emissions Measurement

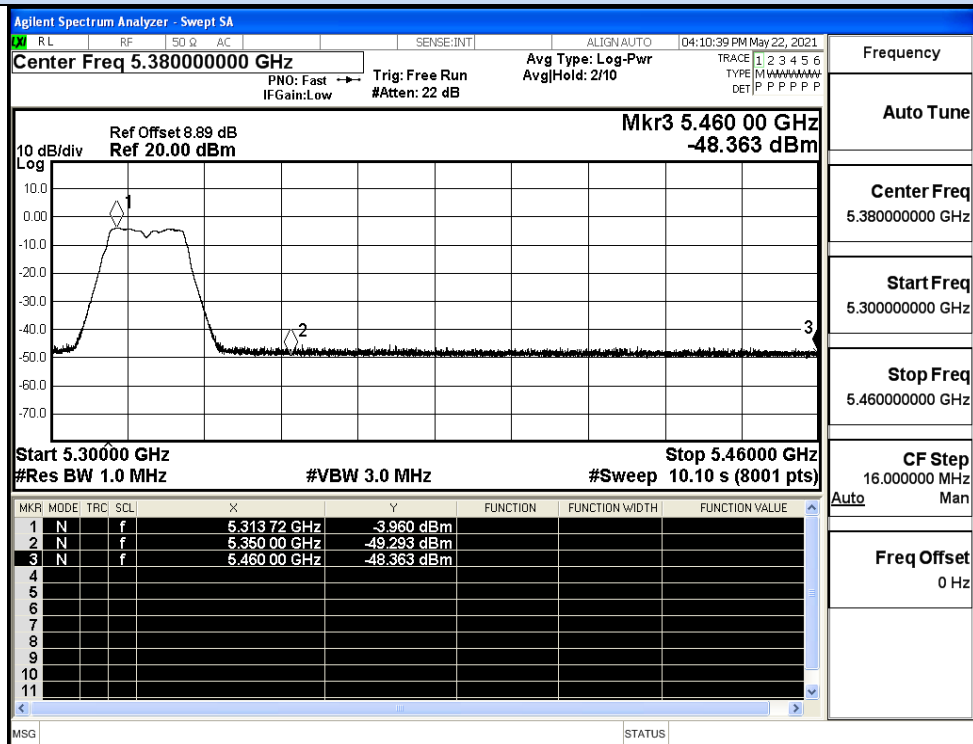


IEEE 802.11a / Channel 36 / 5260MHz / Peak

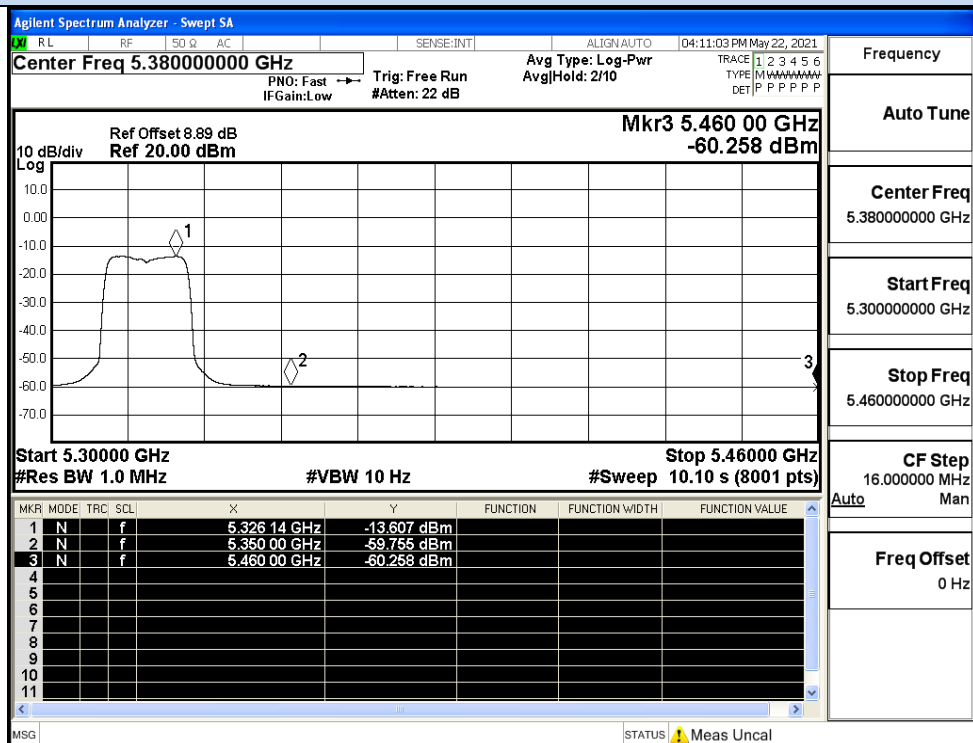


IEEE 802.11a / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

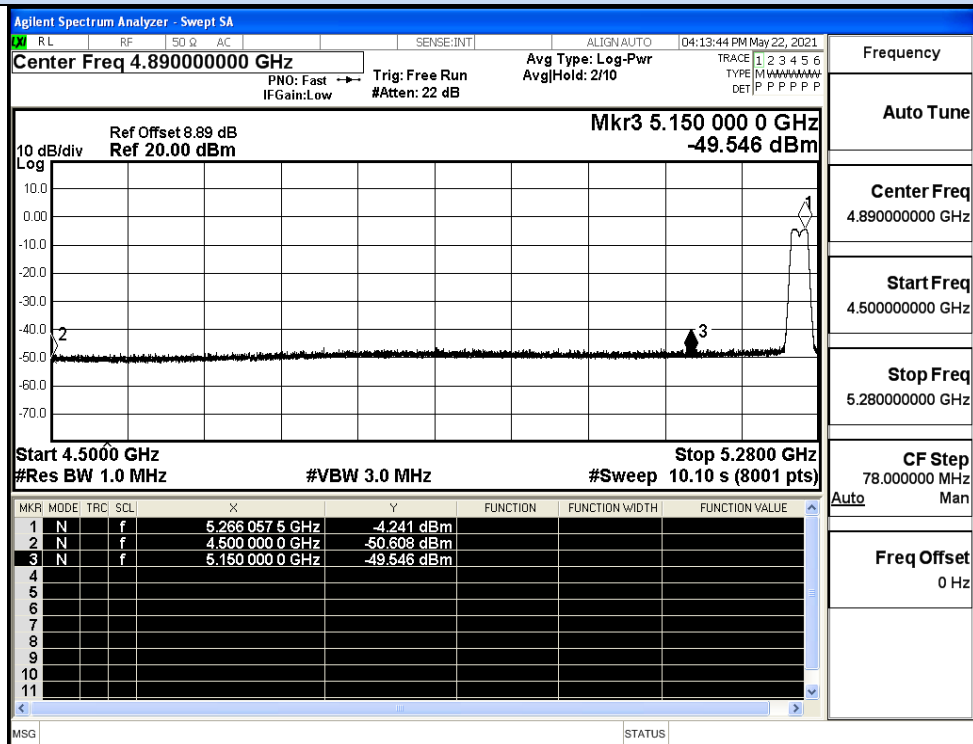


IEEE 802.11a / Channel 48 / 5320MHz / Peak

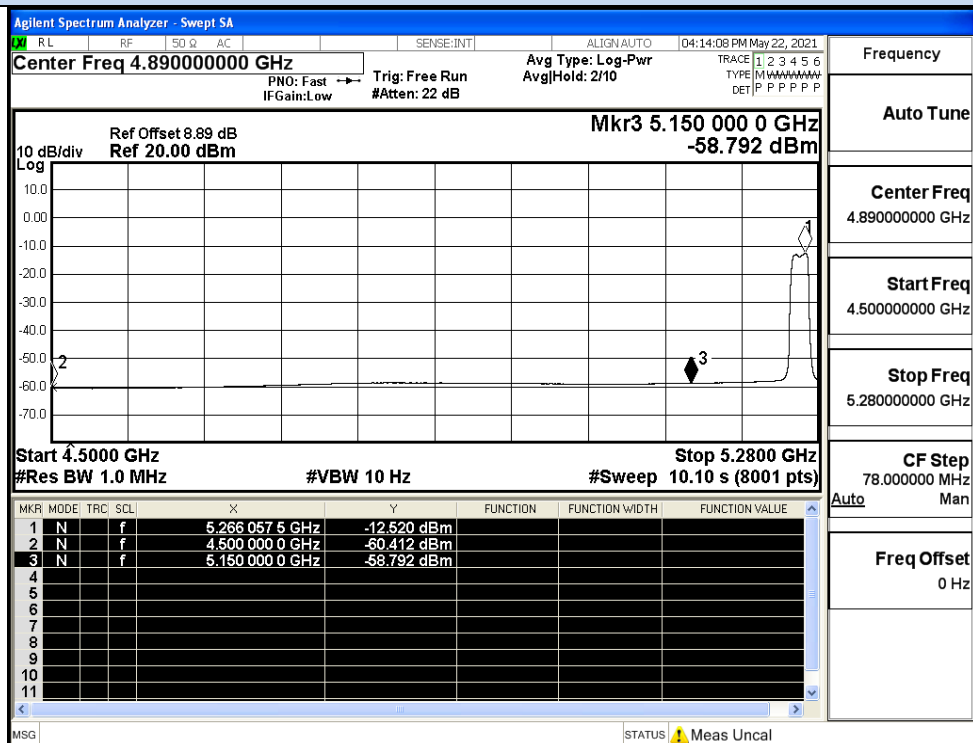


IEEE 802.11a / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

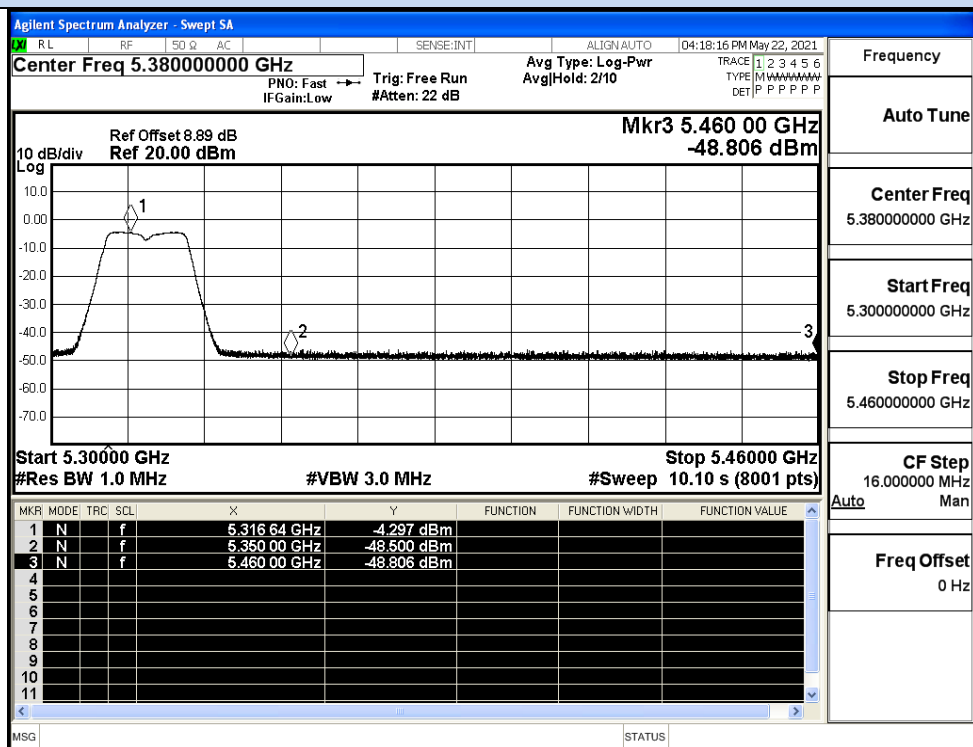


IEEE 802.11n20 / Channel 36 / 5260MHz / Peak

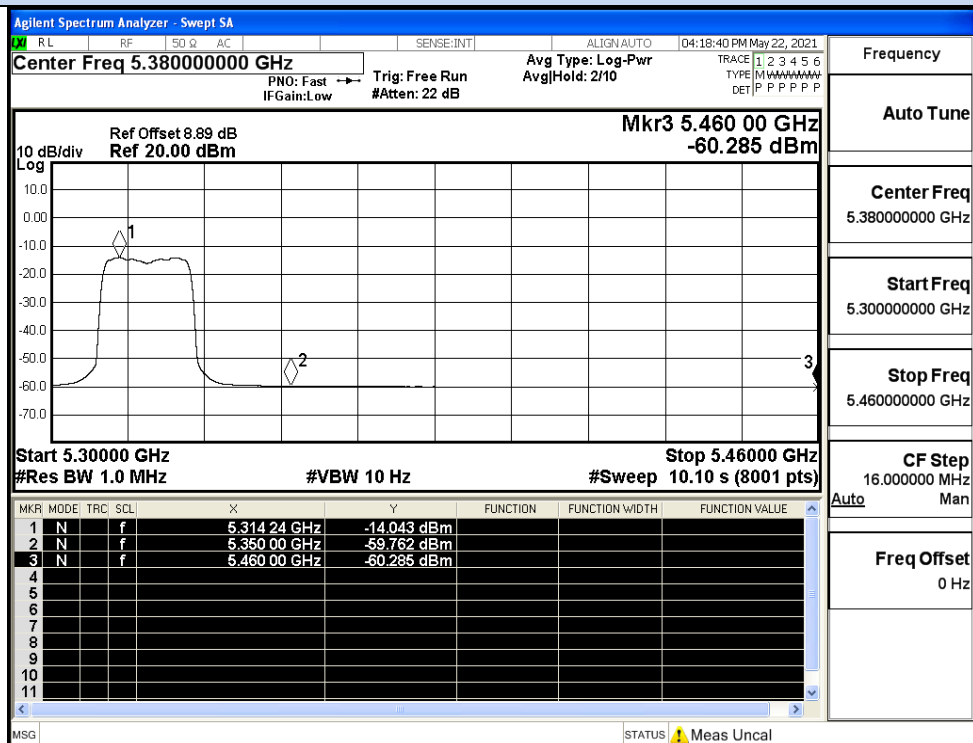


IEEE 802.11n20 / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

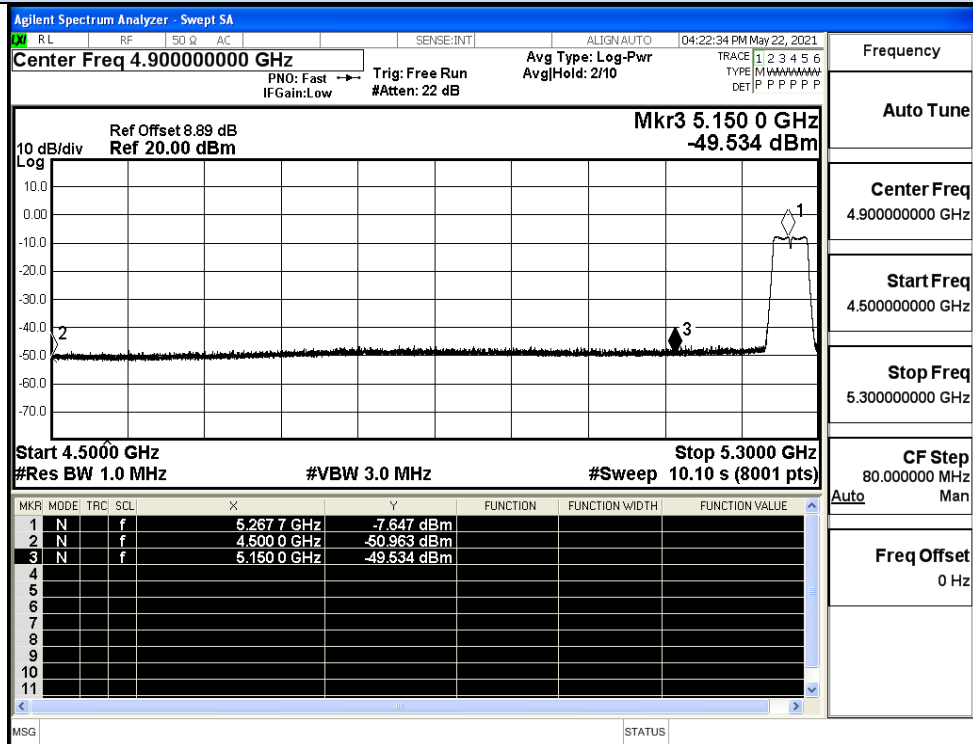


IEEE 802.11n20 / Channel 48 / 5320MHz / Peak

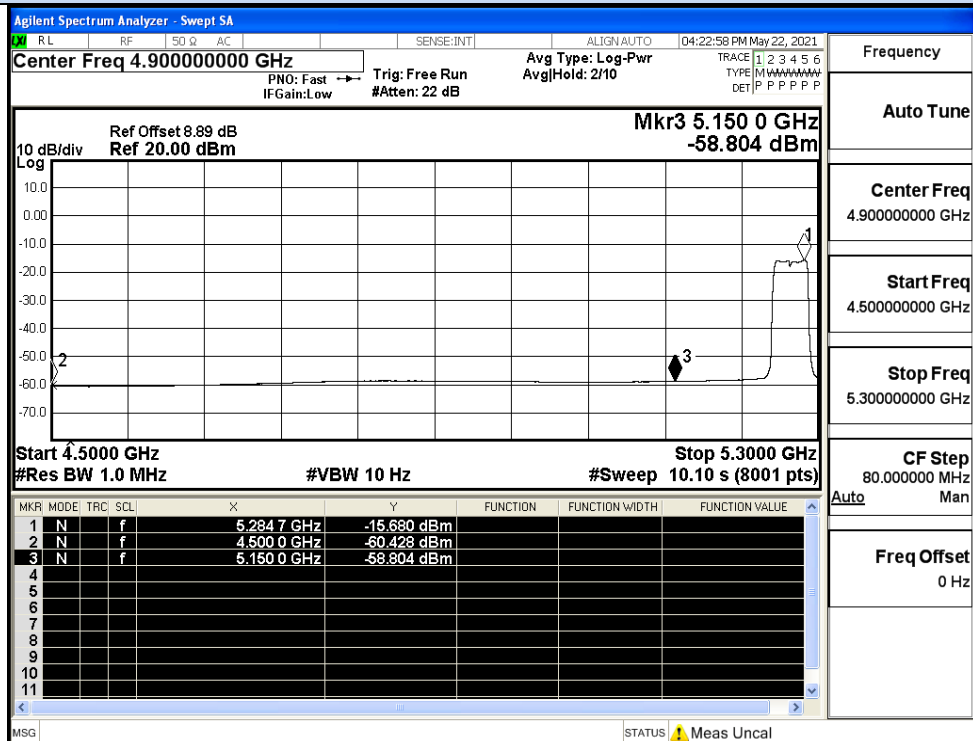


IEEE 802.11n20 / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

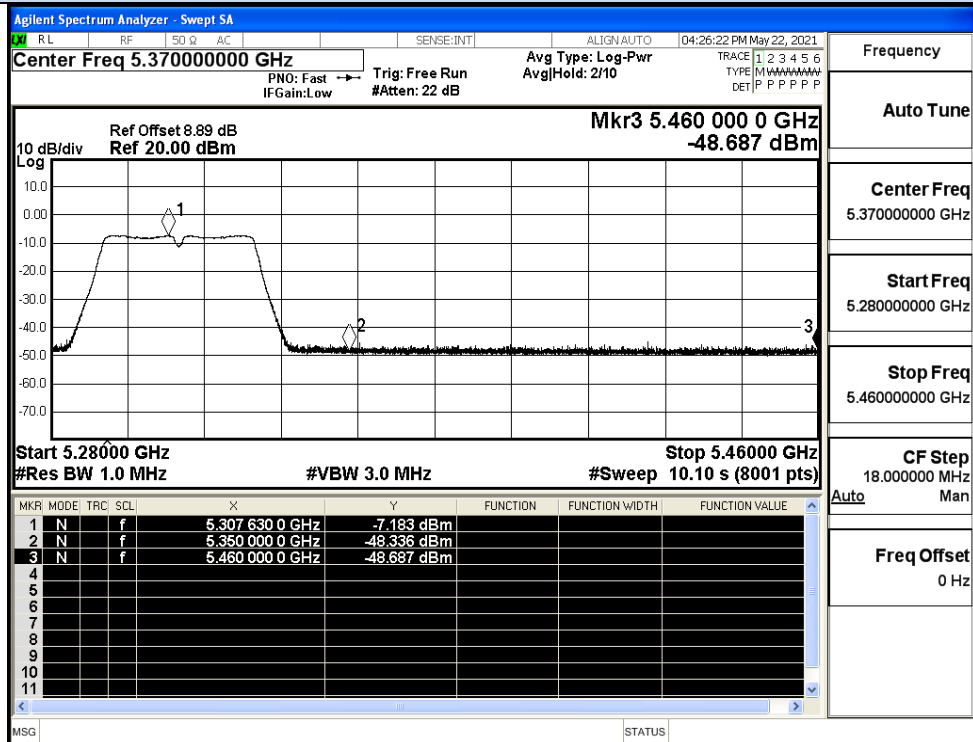


IEEE 802.11n40 / Channel 38 / 5270MHz / Peak

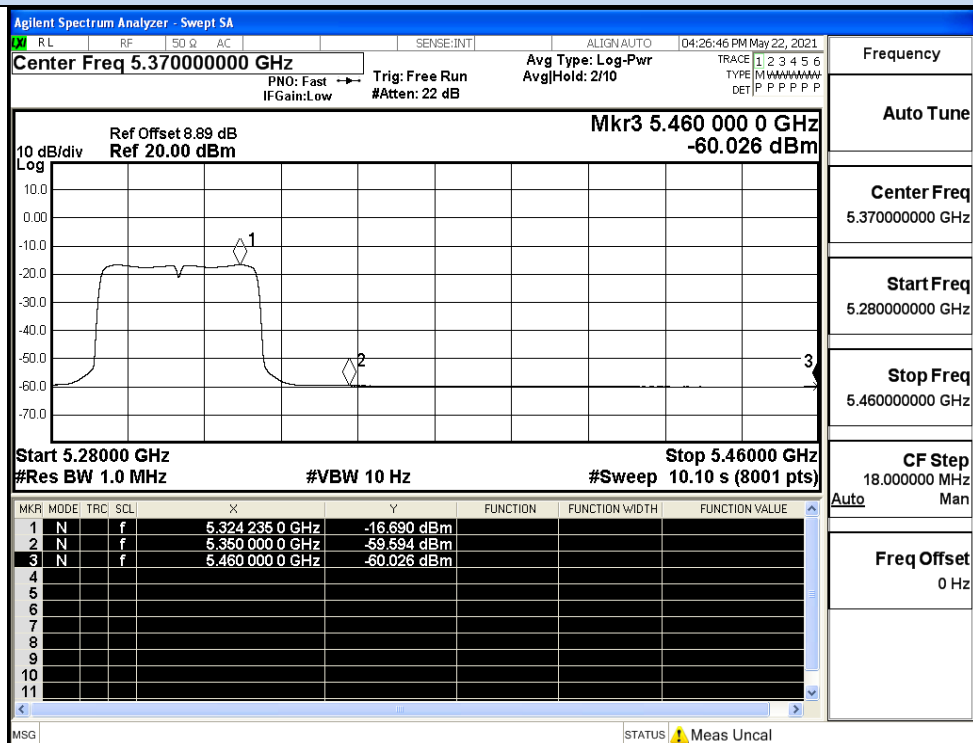


IEEE 802.11n40 / Channel 38 / 5270MHz / Average

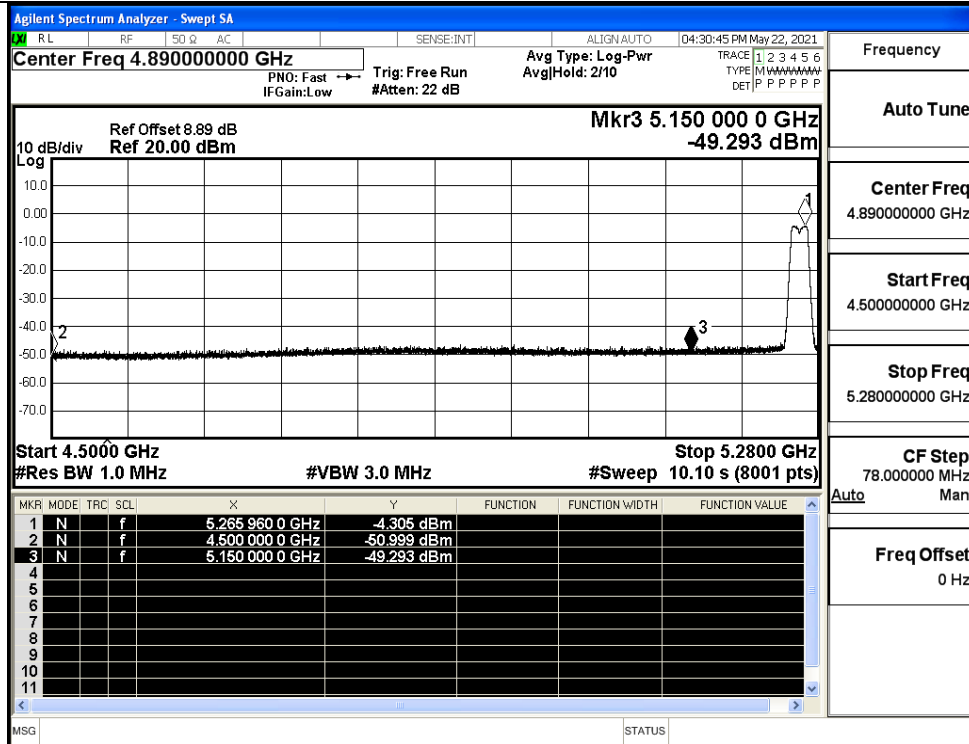
Undesirable Emissions Measurement



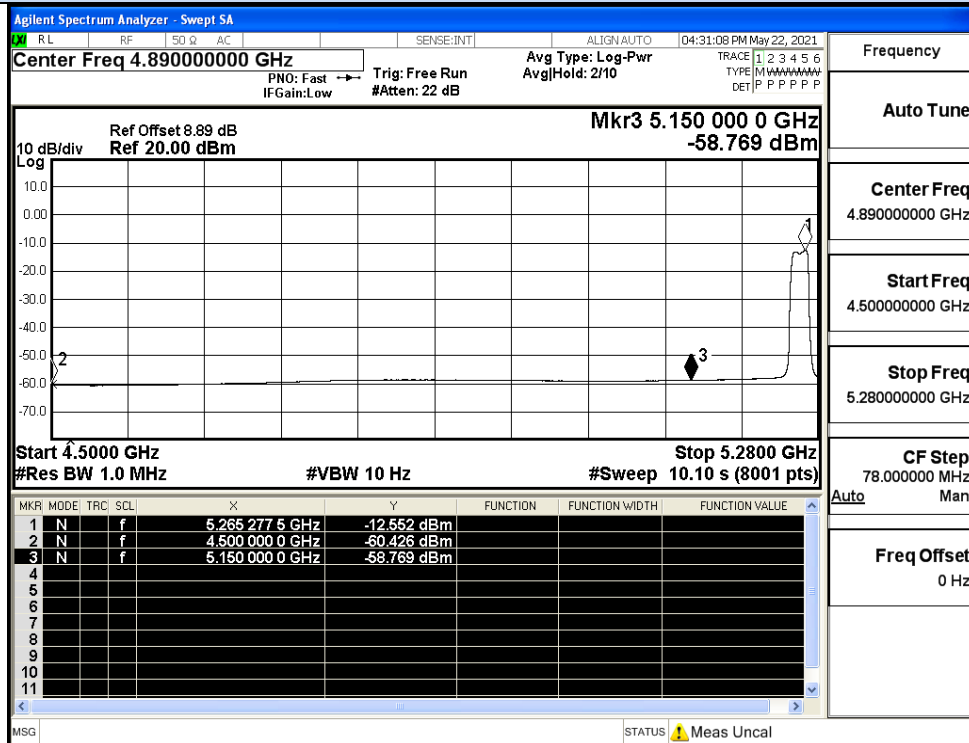
IEEE 802.11n40 / Channel 46 / 5310MHz / Peak



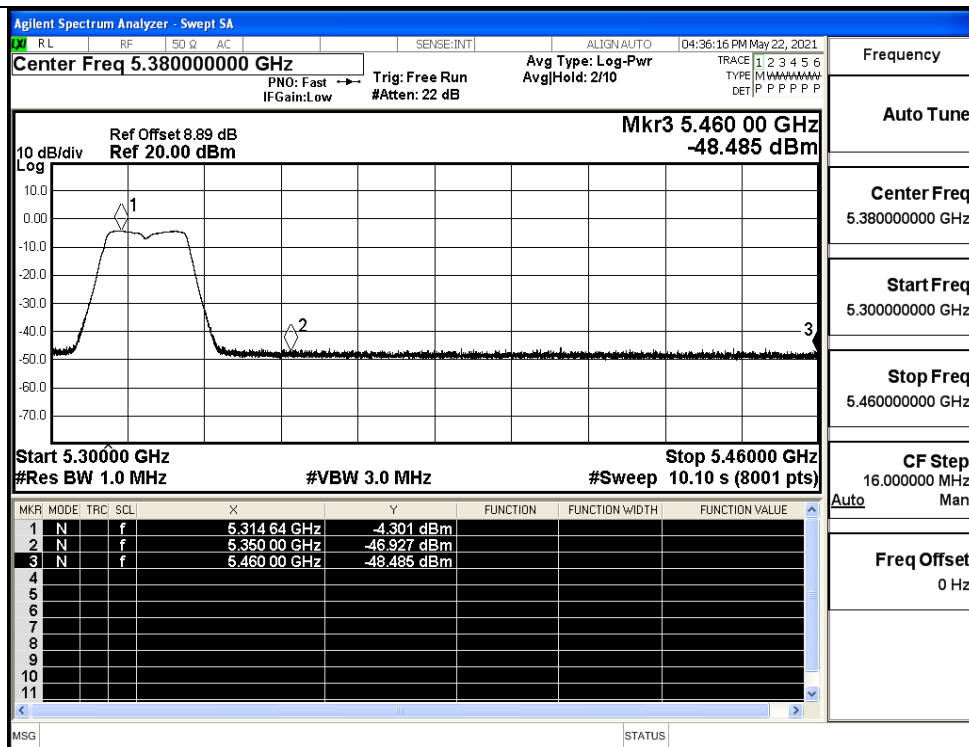
IEEE 802.11n40 / Channel 46 / 5310MHz / Average



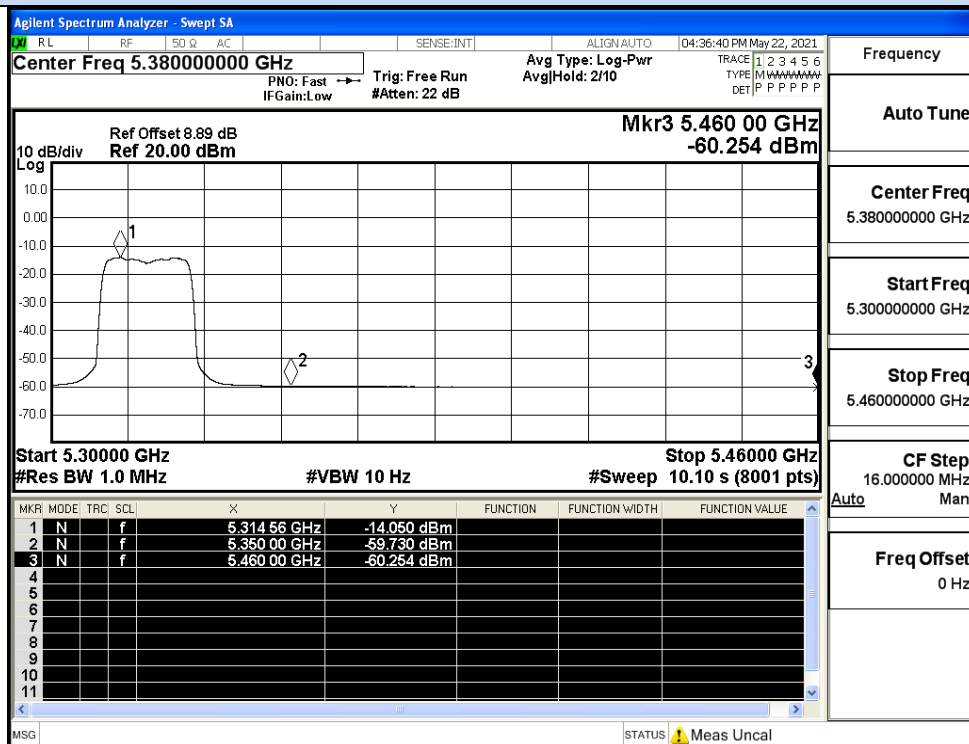
IEEE 802.11ac20 / Channel 36 / 5260MHz / Peak



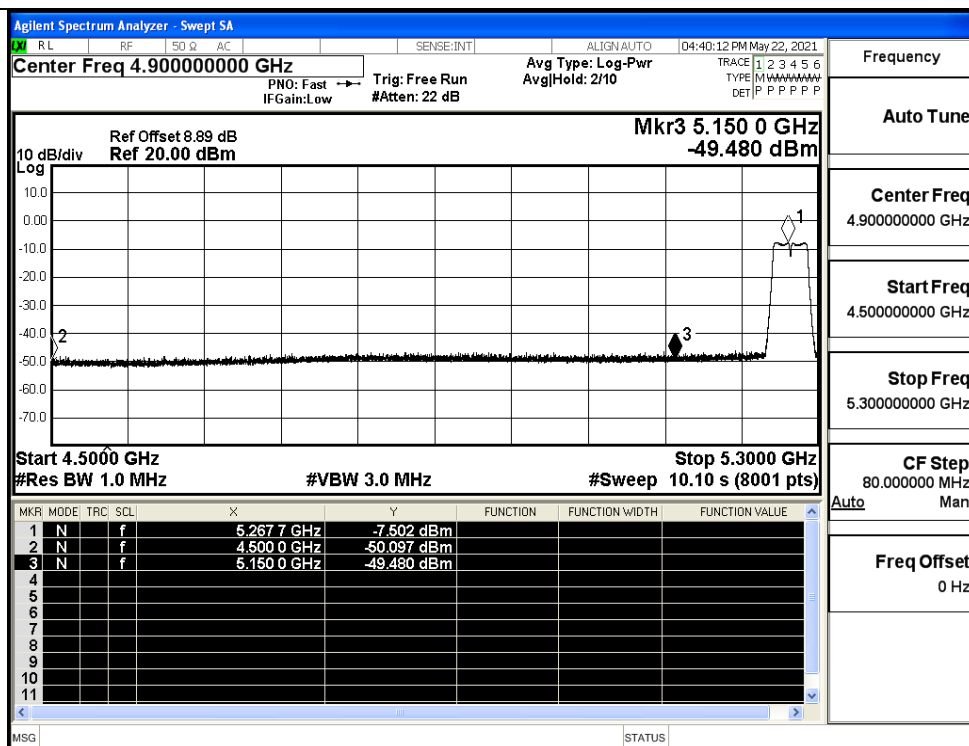
IEEE 802.11ac20 / Channel 36 / 5260MHz / Average



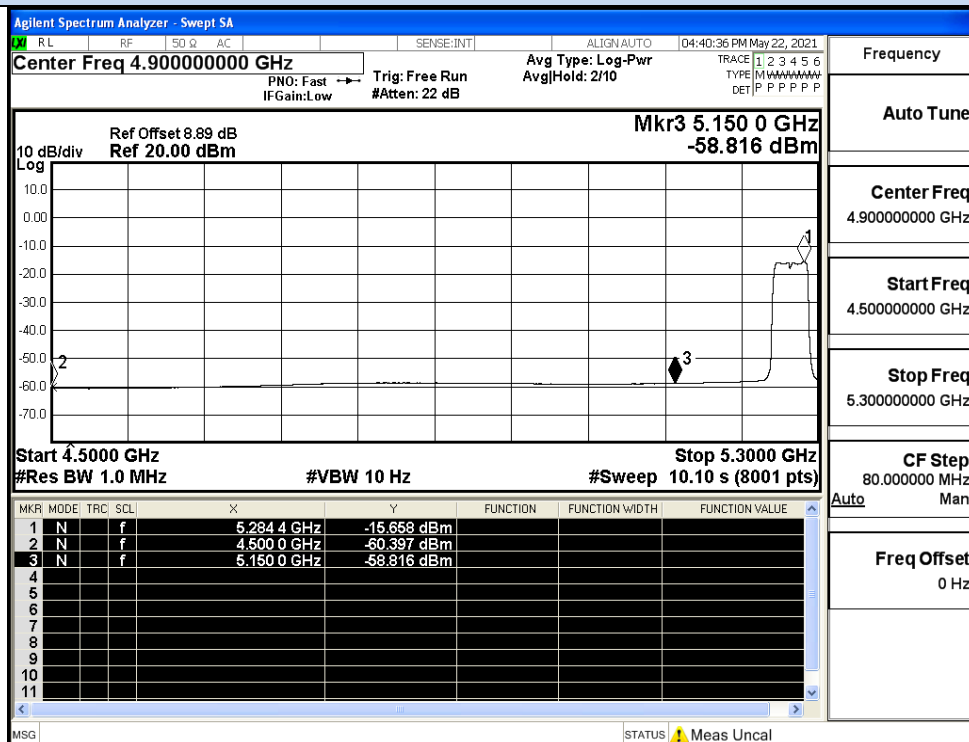
IEEE 802.11ac20 / Channel 48 / 5320MHz / Peak



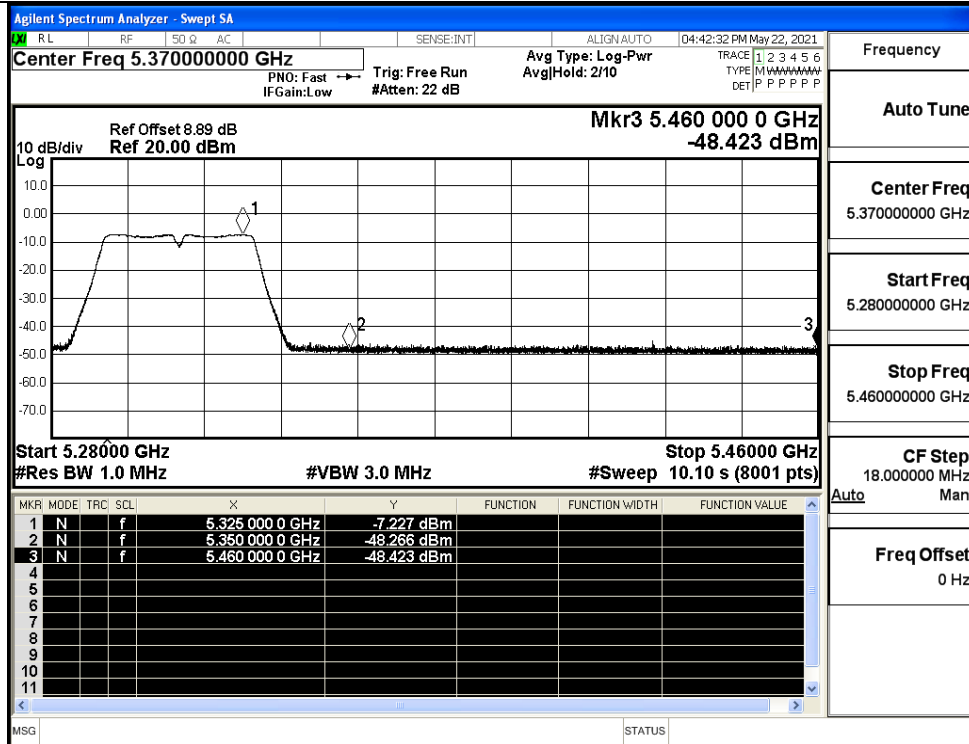
IEEE 802.11ac20 / Channel 48 / 5320MHz / Average



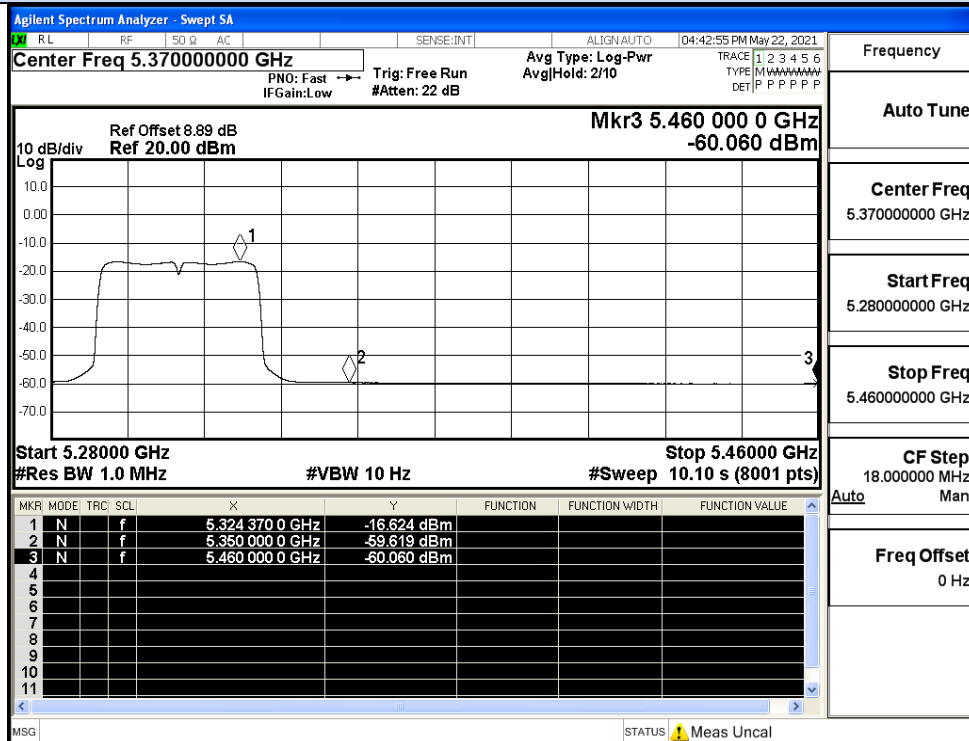
IEEE 802.11ac40 / Channel 38 / 5270MHz / Peak



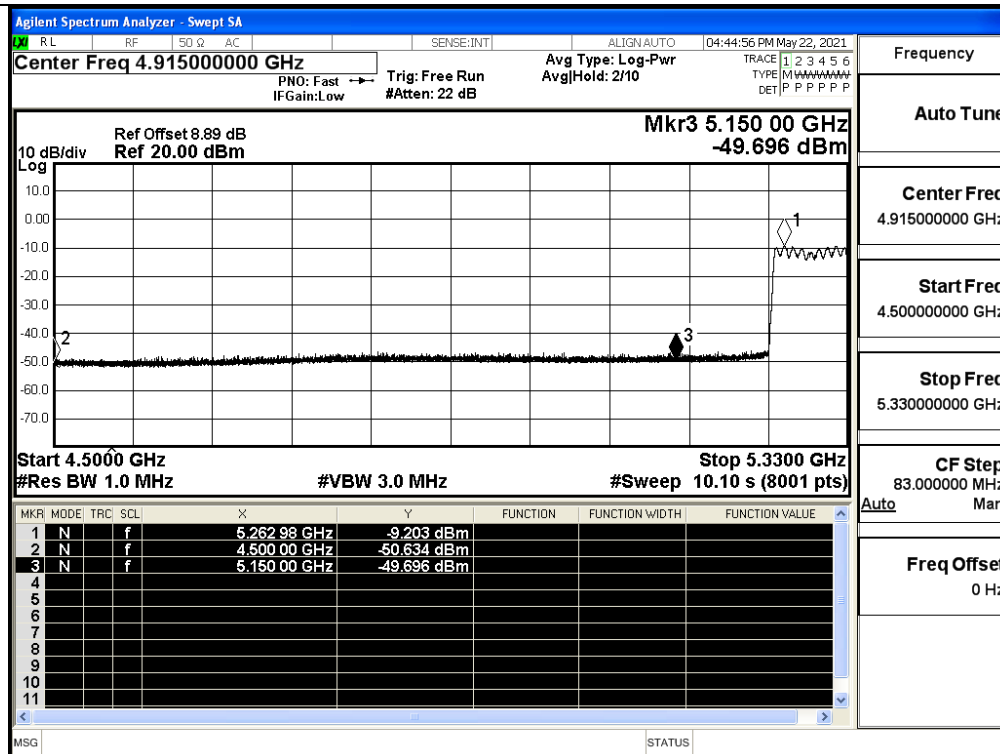
IEEE 802.11ac40 / Channel 38 / 5270MHz / Average



IEEE 802.11ac40 / Channel 46 / 5310MHz / Peak



IEEE 802.11ac40 / Channel 46 / 5310MHz / Average

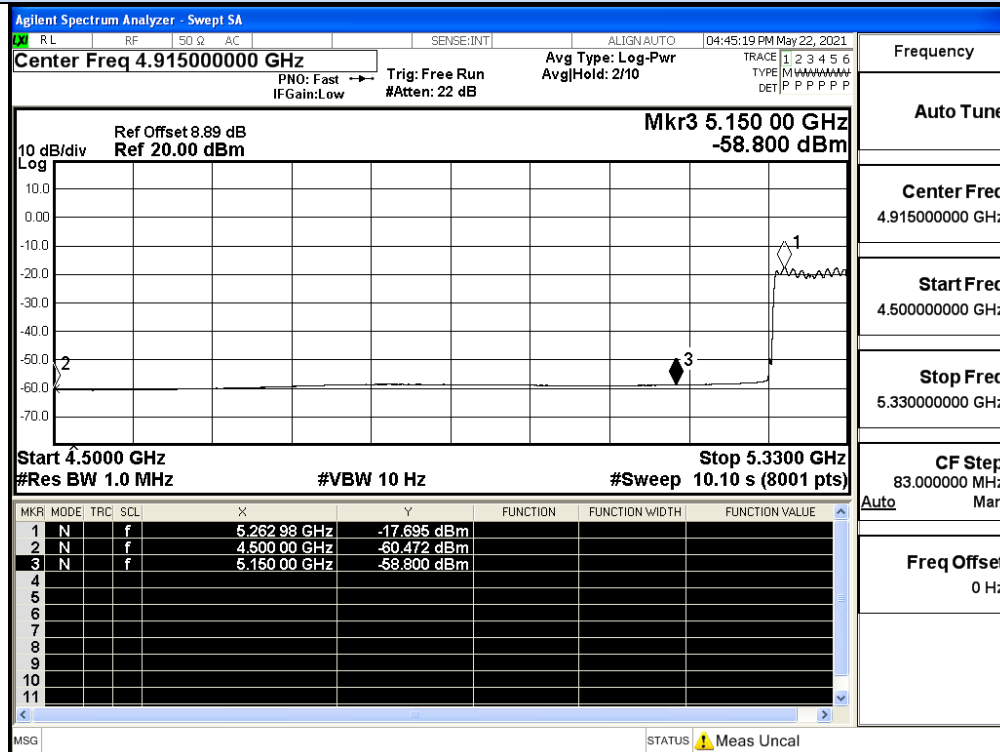


Frequency

Auto Tune

Center Freq
4.915000000 GHzStart Freq
4.500000000 GHzStop Freq
5.330000000 GHzCF Step
83.000000 MHz
Auto ManFreq Offset
0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak

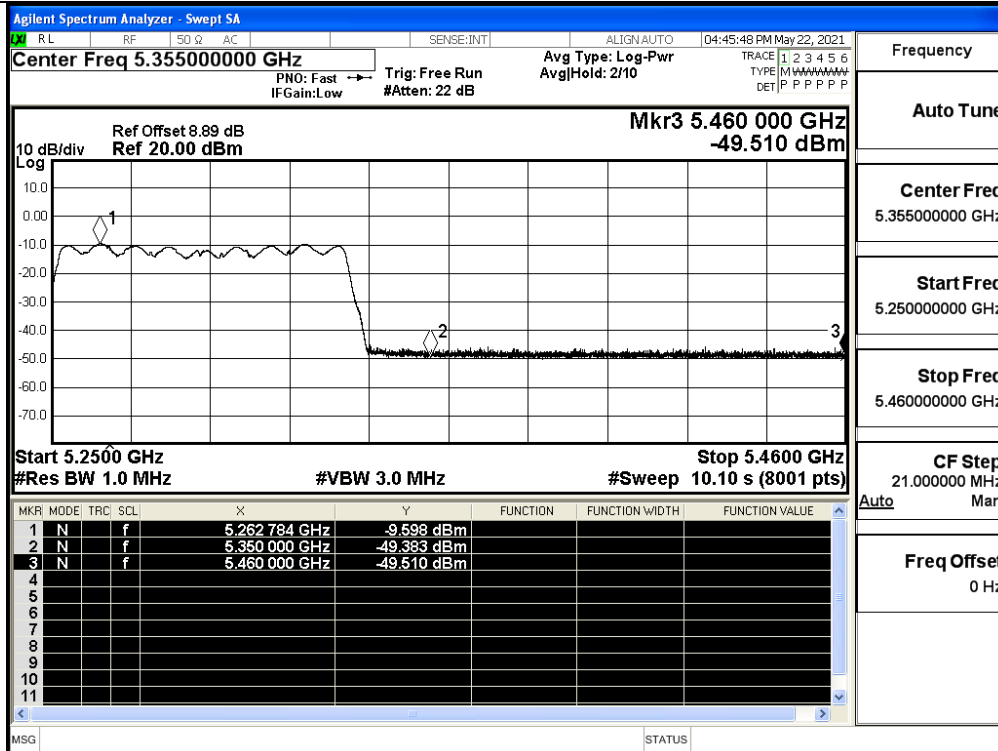


Frequency

Auto Tune

Center Freq
4.915000000 GHzStart Freq
4.500000000 GHzStop Freq
5.330000000 GHzCF Step
83.000000 MHz
Auto ManFreq Offset
0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Average

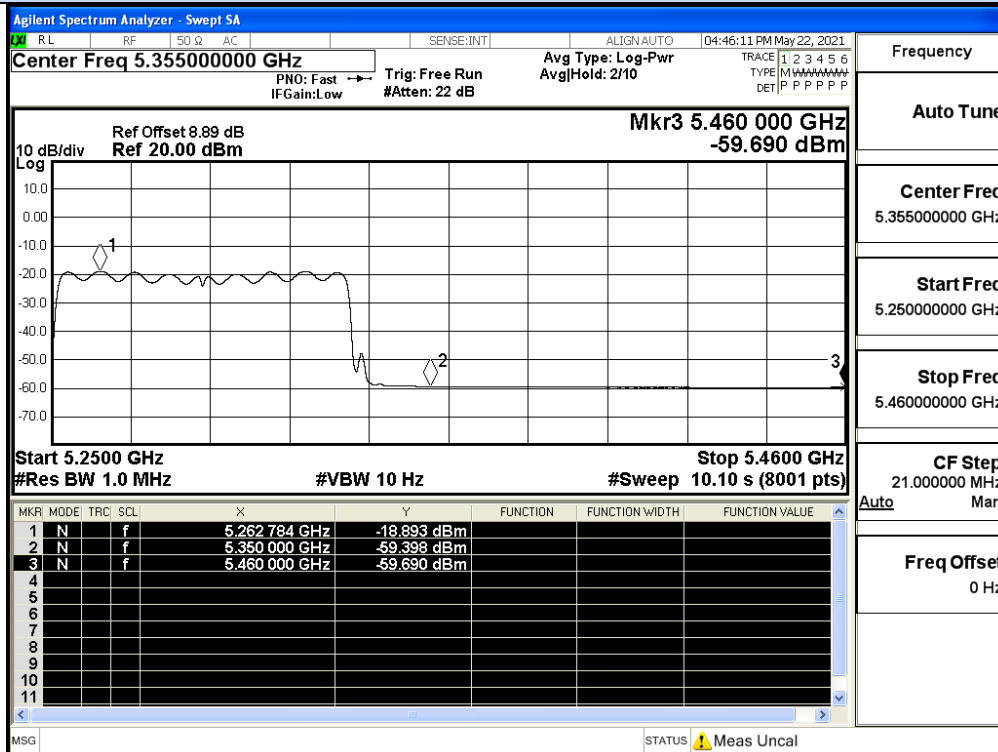


Frequency

Auto Tune

Center Freq
5.355000000 GHzStart Freq
5.250000000 GHzStop Freq
5.460000000 GHzCF Step
21.000000 MHz
Auto ManFreq Offset
0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak



Frequency

Auto Tune

Center Freq
5.355000000 GHzStart Freq
5.250000000 GHzStop Freq
5.460000000 GHzCF Step
21.000000 MHz
Auto ManFreq Offset
0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Average