

Appendix E

RF Test Data for 5.3G WLAN (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: N/A

Test Model: EDT800

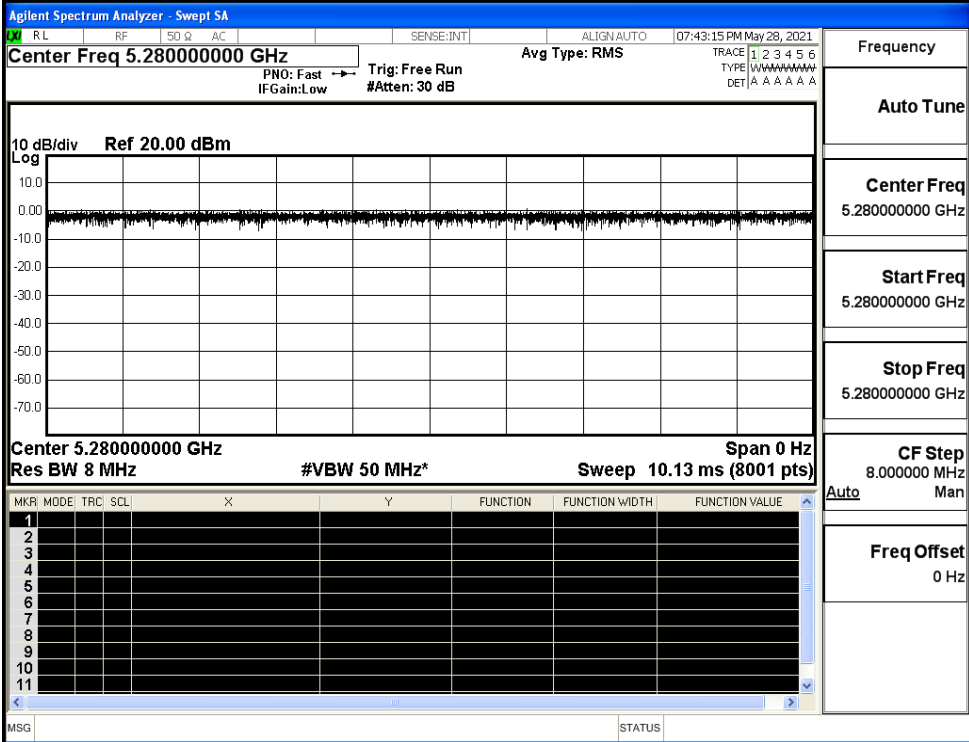
Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	51.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

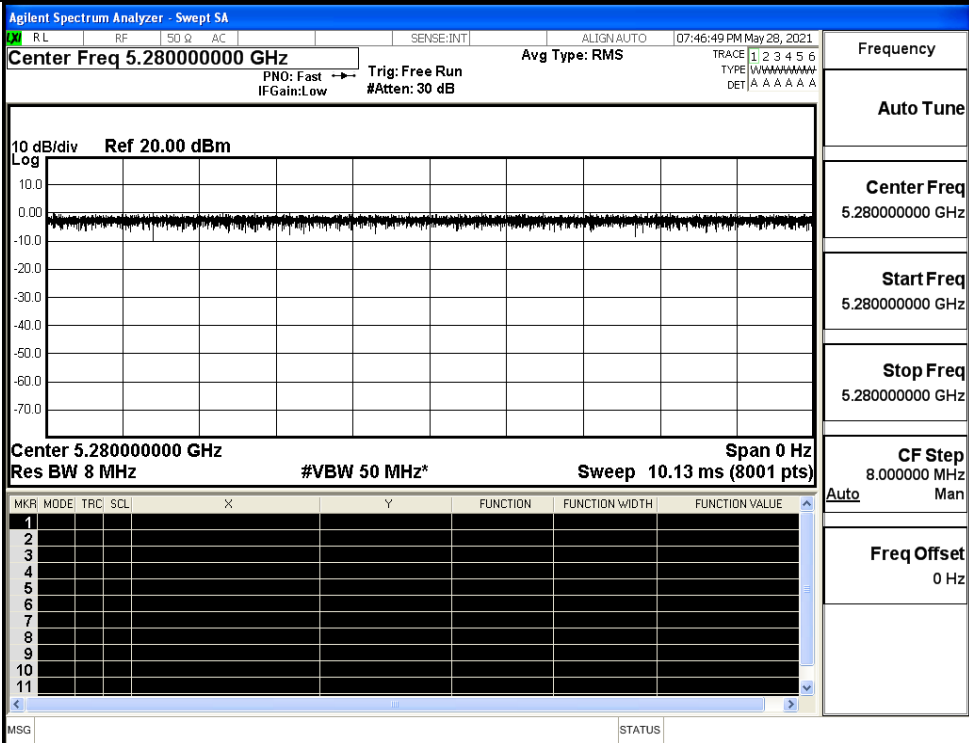
E.1 Duty Cycle

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

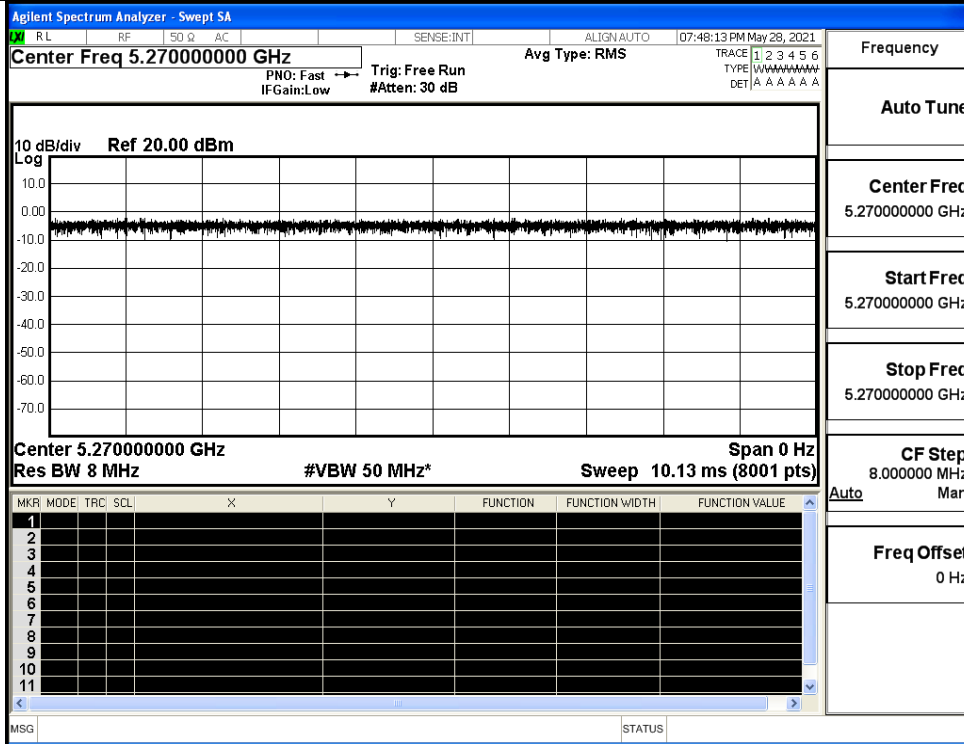
On Time and Duty Cycle



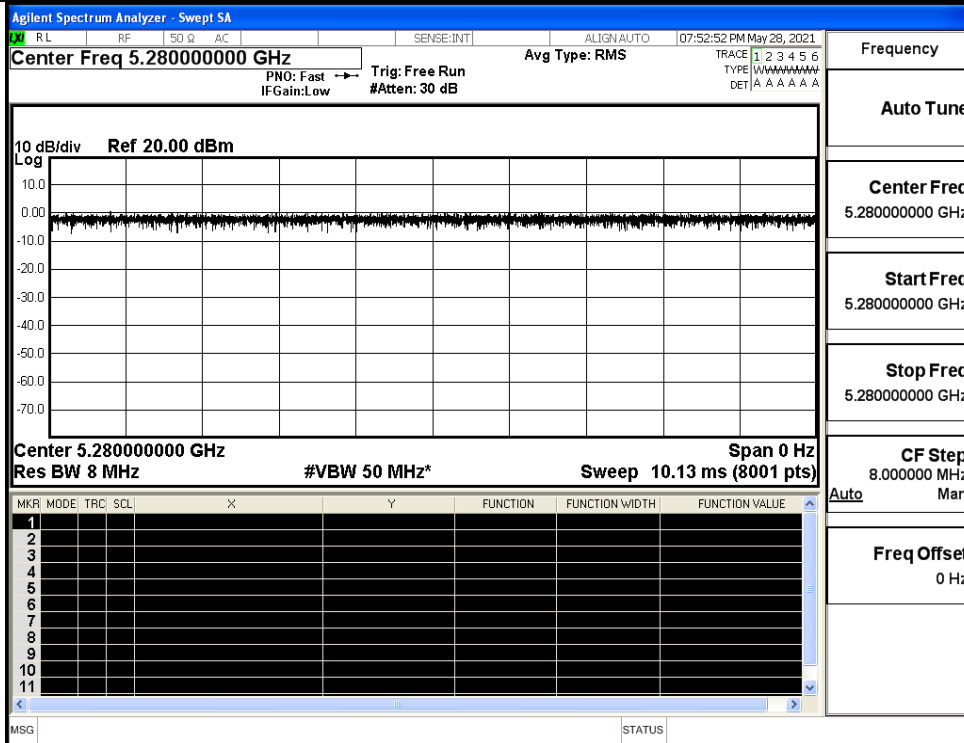
IEEE 802.11a



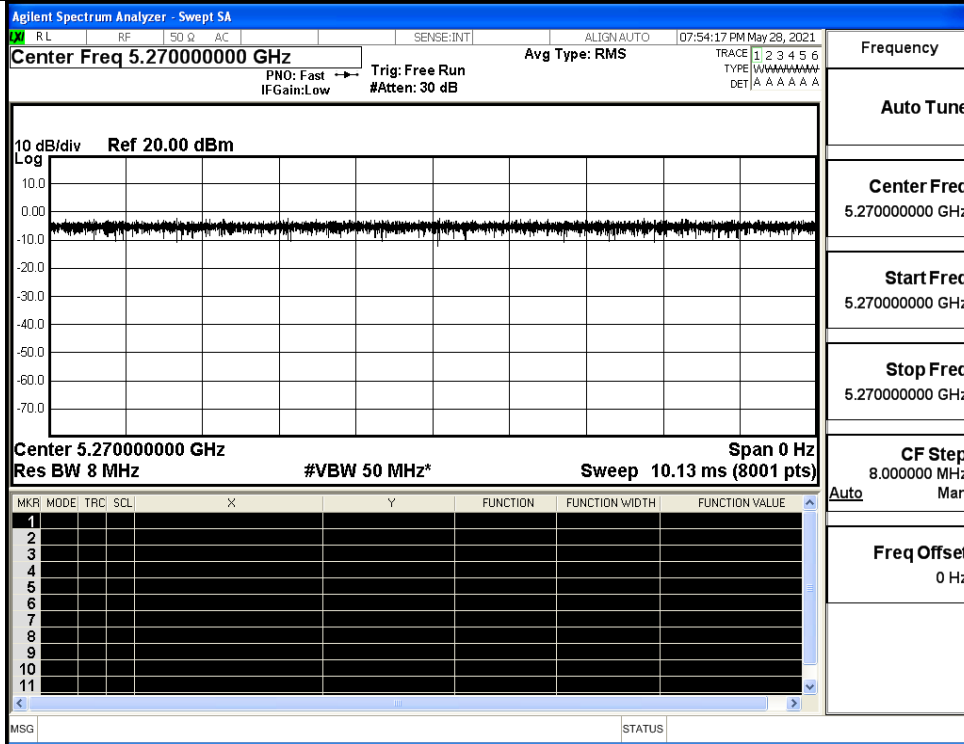
IEEE 802.11n HT20



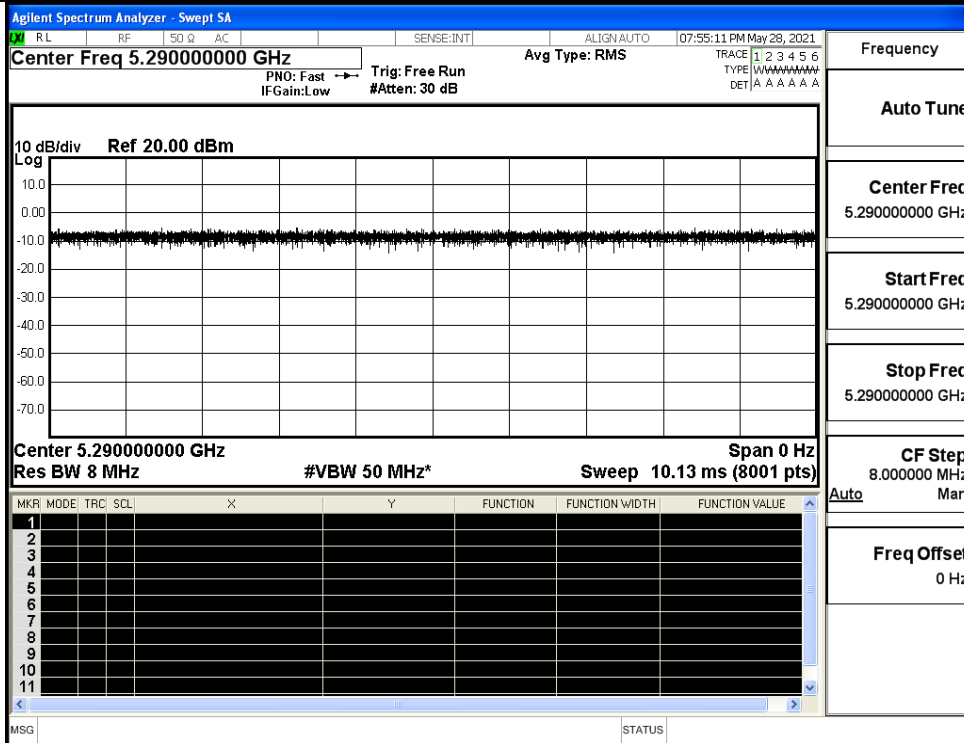
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11 AC40



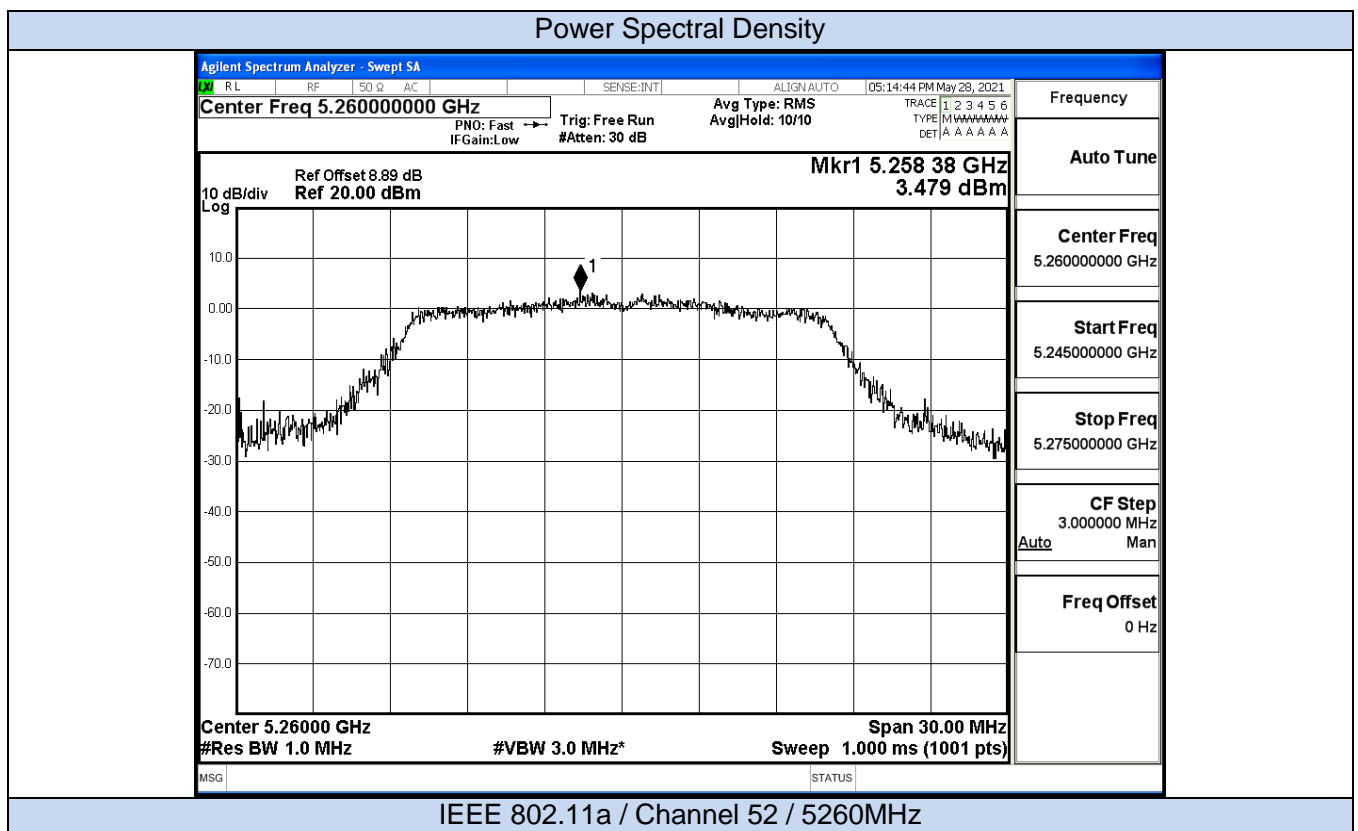
IEEE 802.11 AC80

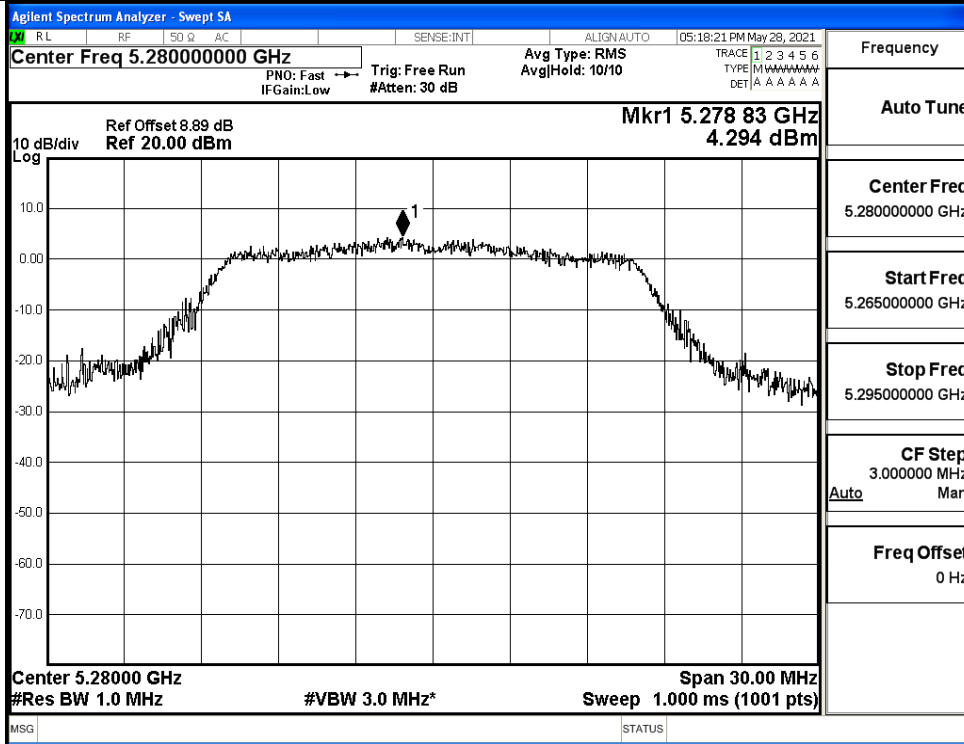
E.2 Maximum Conduct Output Power

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	52	5260	12.43	0	12.43	24	Pass
	56	5280	13.94	0	13.94		Pass
	64	5320	11.63	0	11.63		Pass
11N20 SISO	52	5260	15.32	0	15.32	24	Pass
	56	5280	13.84	0	13.84		Pass
	64	5320	11.58	0	11.58		Pass
11N40 SISO	54	5270	14.45	0	14.45	24	Pass
	62	5310	11.78	0	11.78		Pass
11AC20 SISO	52	5260	15.36	0	15.36	24	Pass
	56	5280	13.86	0	13.86		Pass
	64	5320	11.55	0	11.55		Pass
11AC40 SISO	54	5270	14.41	0	14.41	24	Pass
	62	5310	11.8	0	11.8		Pass
11AC80 SISO	58	5290	13.67	0	13.67	24	Pass

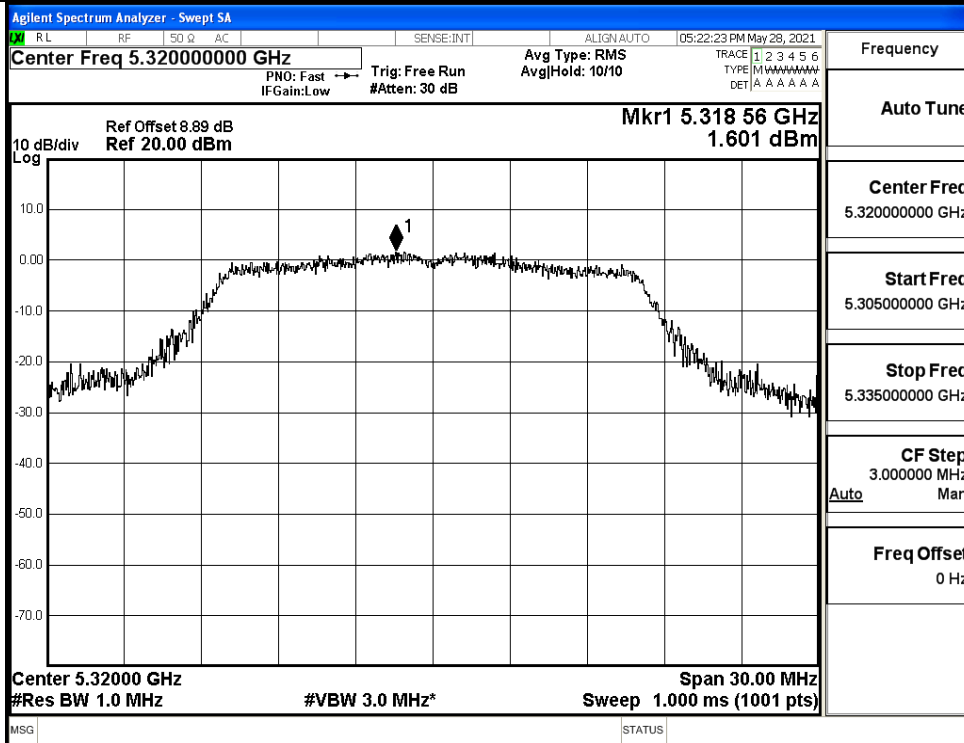
E.3 Power Spectral Density

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	3.48	0	3.48	11	Pass
	56	5280	4.29	0	4.29		Pass
	64	5320	1.60	0	1.60		Pass
11N20 SISO	52	5260	5.97	0	5.97	11	Pass
	56	5280	4.30	0	4.30		Pass
	64	5320	1.58	0	1.58		Pass
11N40 SISO	54	5270	1.39	0	1.39	11	Pass
	62	5310	-1.34	0	-1.34		Pass
11AC20 SISO	52	5260	6.35	0	6.35	11	Pass
	56	5280	3.77	0	3.77		Pass
	64	5320	1.70	0	1.70		Pass
11AC40 SISO	54	5270	1.81	0	1.81	11	Pass
	62	5310	-1.14	0	-1.14		Pass
11AC80 SISO	58	5290	-1.88	0	-1.88	11	Pass



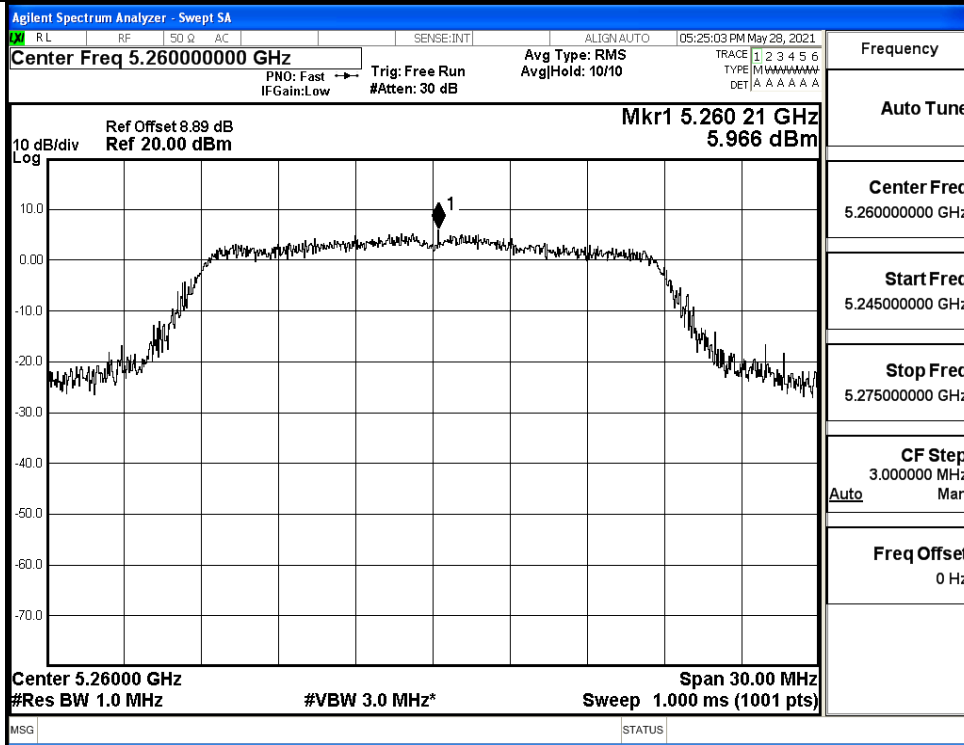


IEEE 802.11na / Channel 56 / 5280MHz

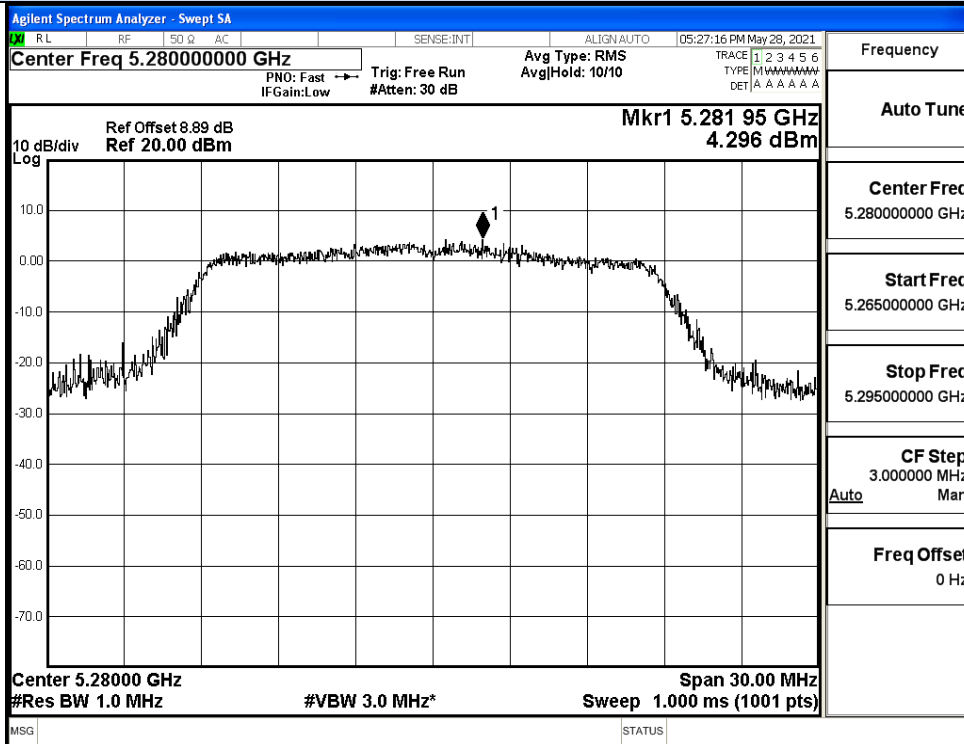


IEEE 802.11na / Channel 64 / 5320MHz

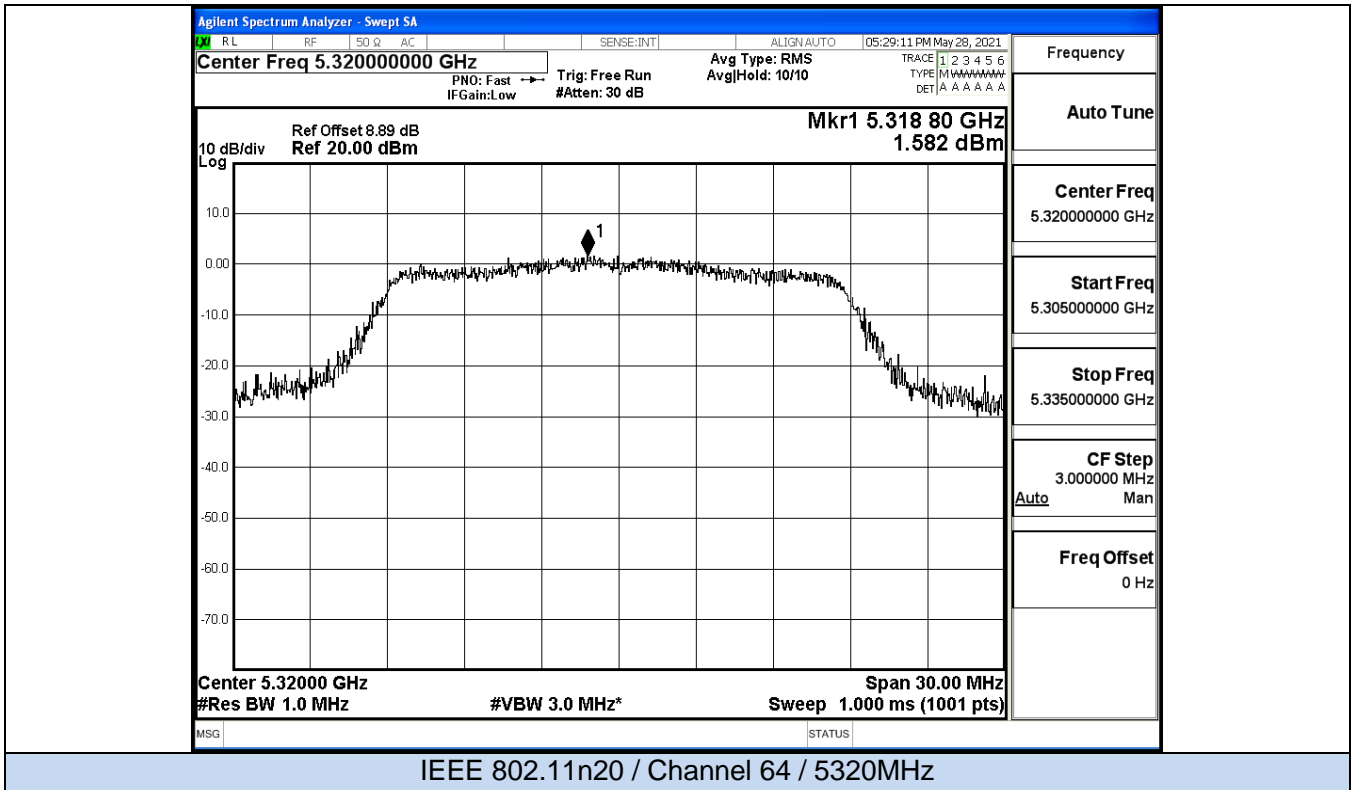
Power Spectral Density



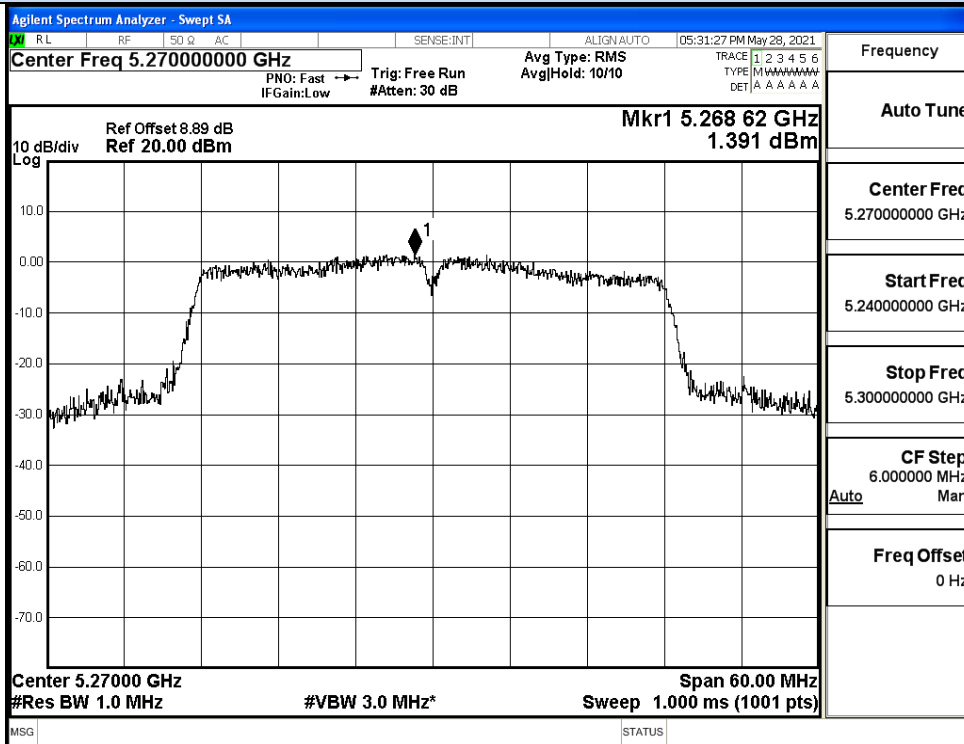
IEEE 802.11n20 / Channel 52 / 5260MHz



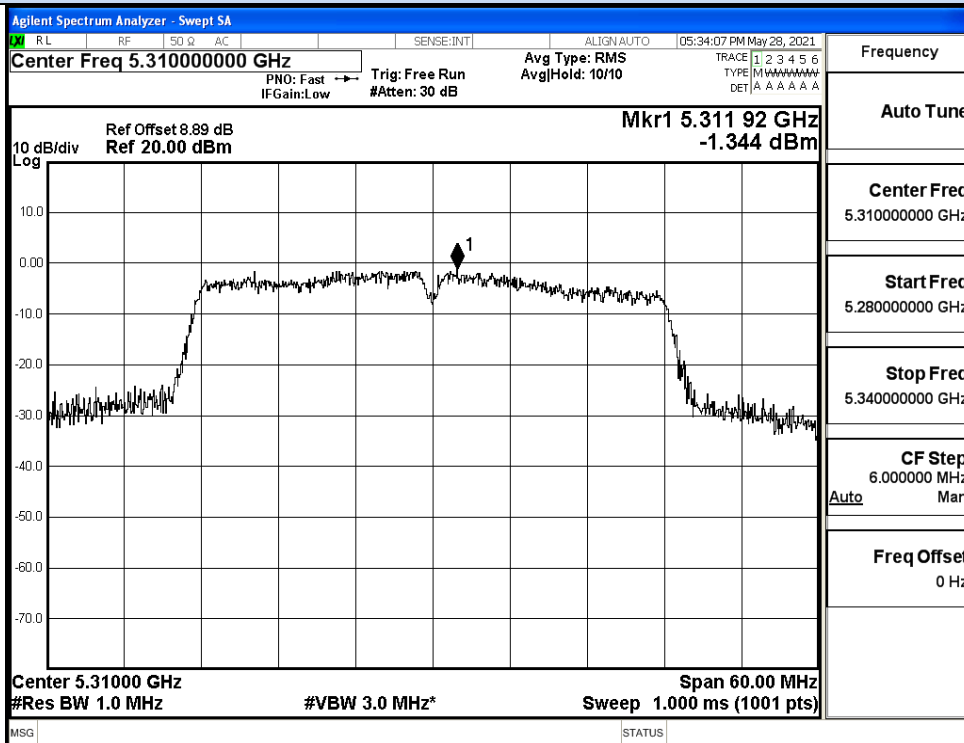
IEEE 802.11n20 / Channel 56 / 5280MHz



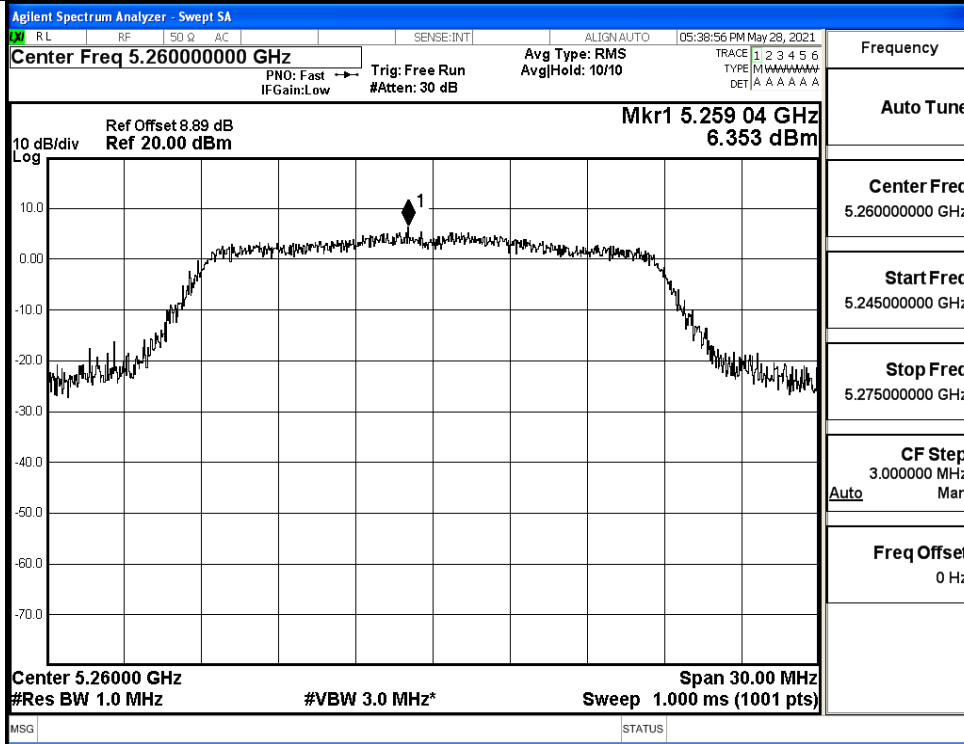
Power Spectral Density



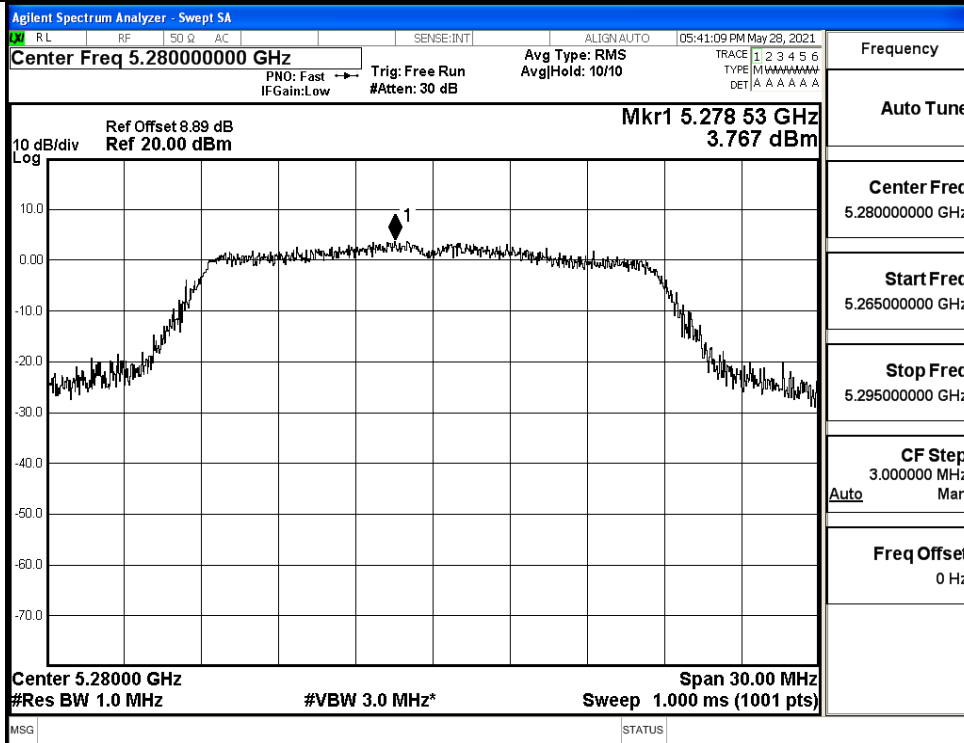
IEEE 802.11n40 / Channel 54 / 5270MHz



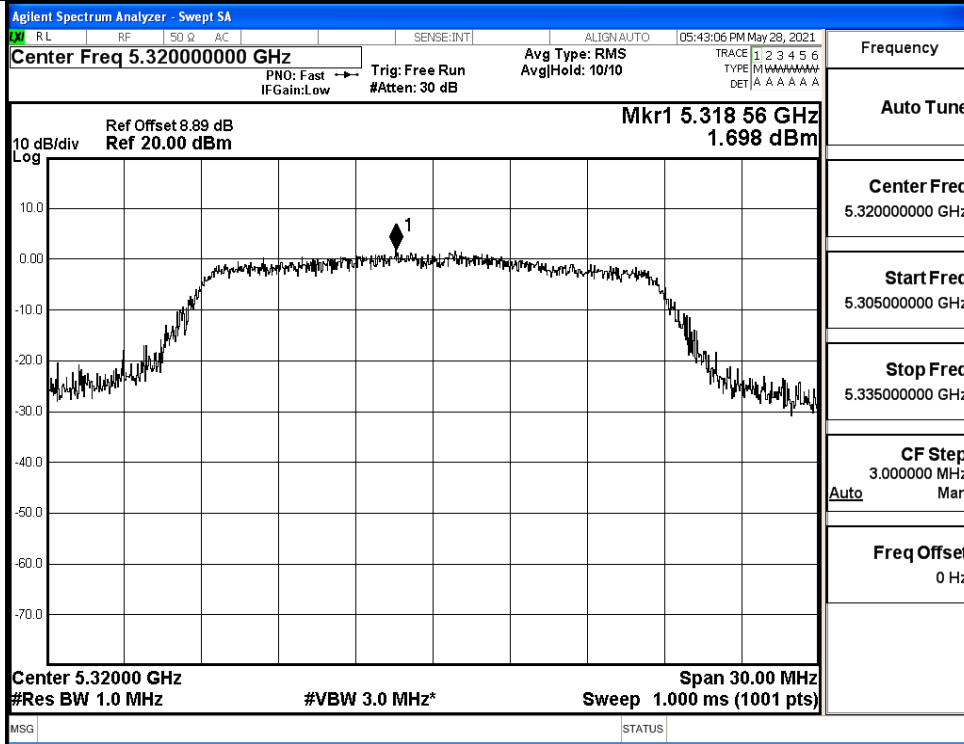
IEEE 802.11n40 / Channel 62 / 5310MHz



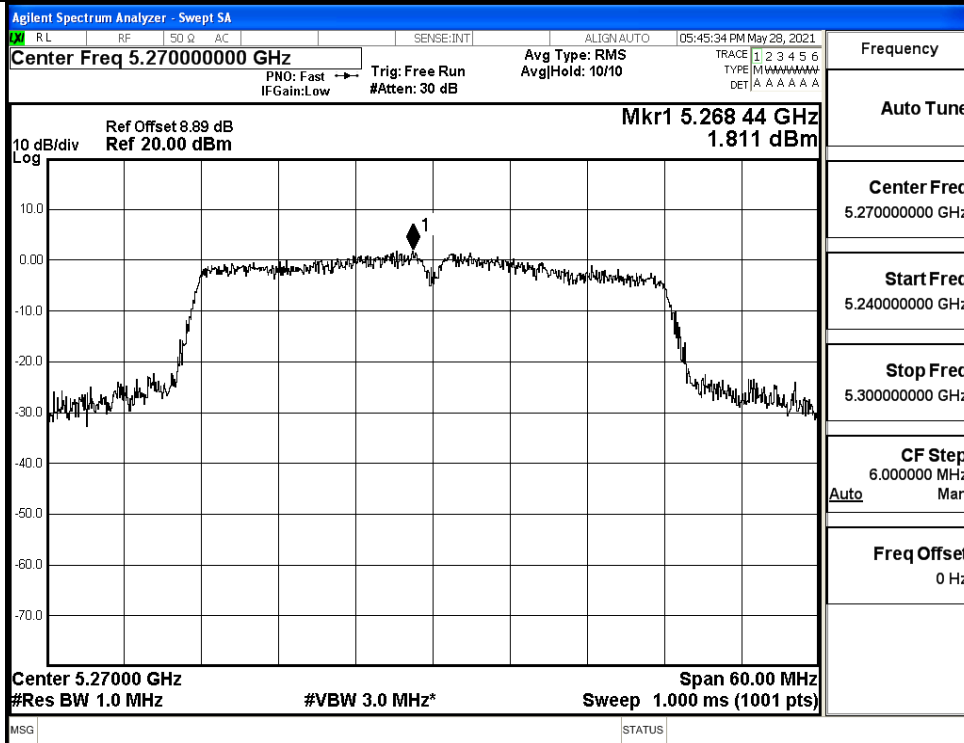
IEEE 802.11ac20 / Channel 52 / 5260MHz



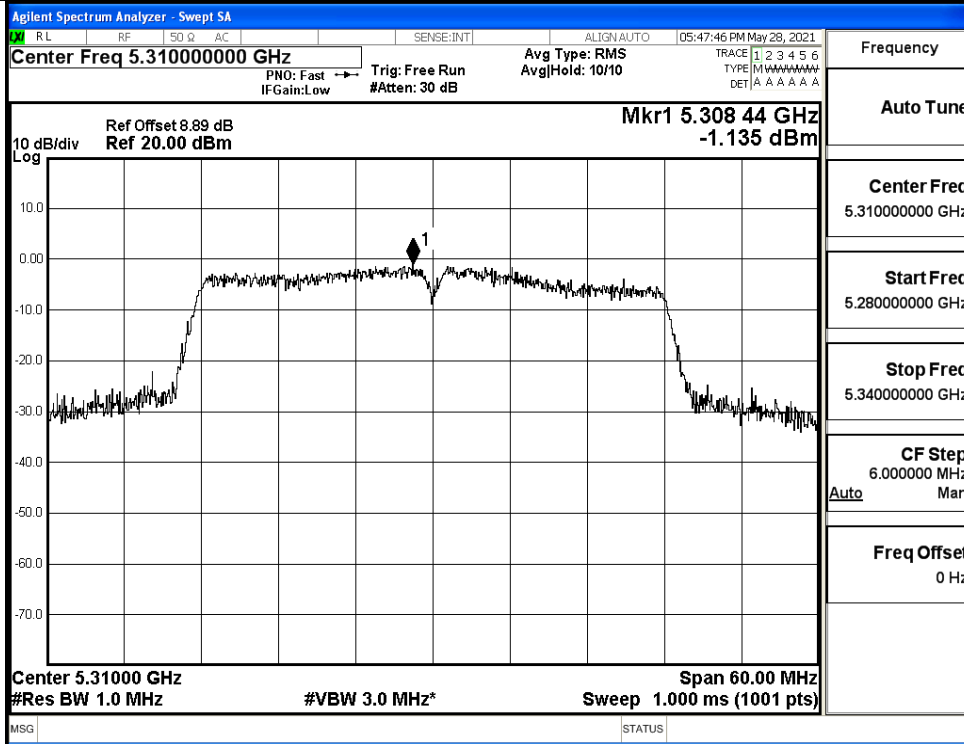
IEEE 802.11ac20 / Channel 56 / 5280MHz



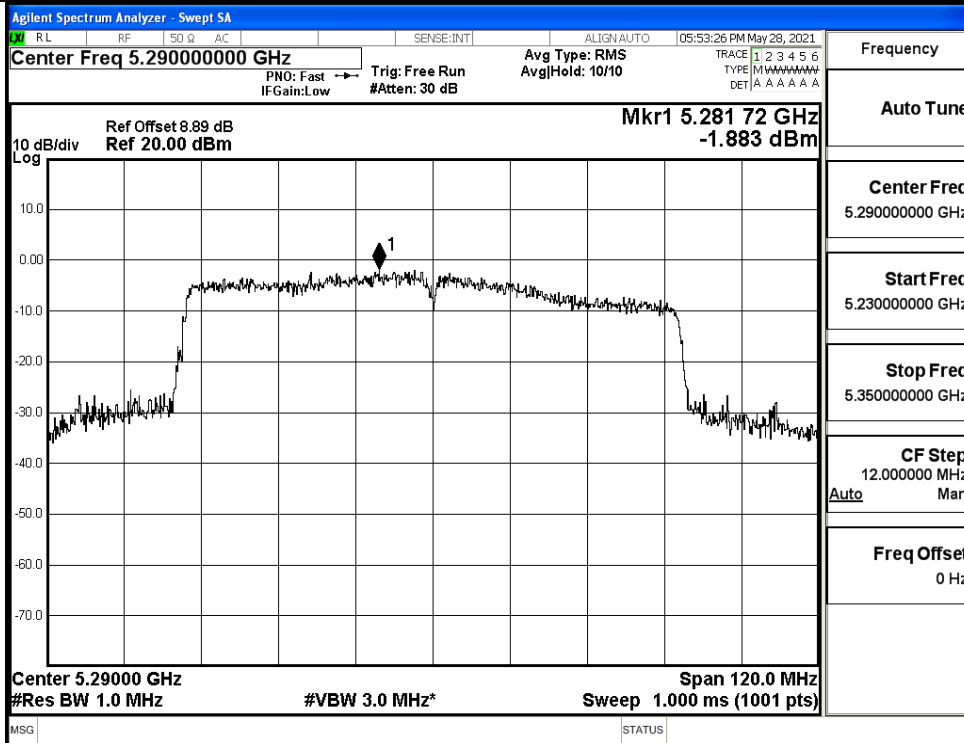
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



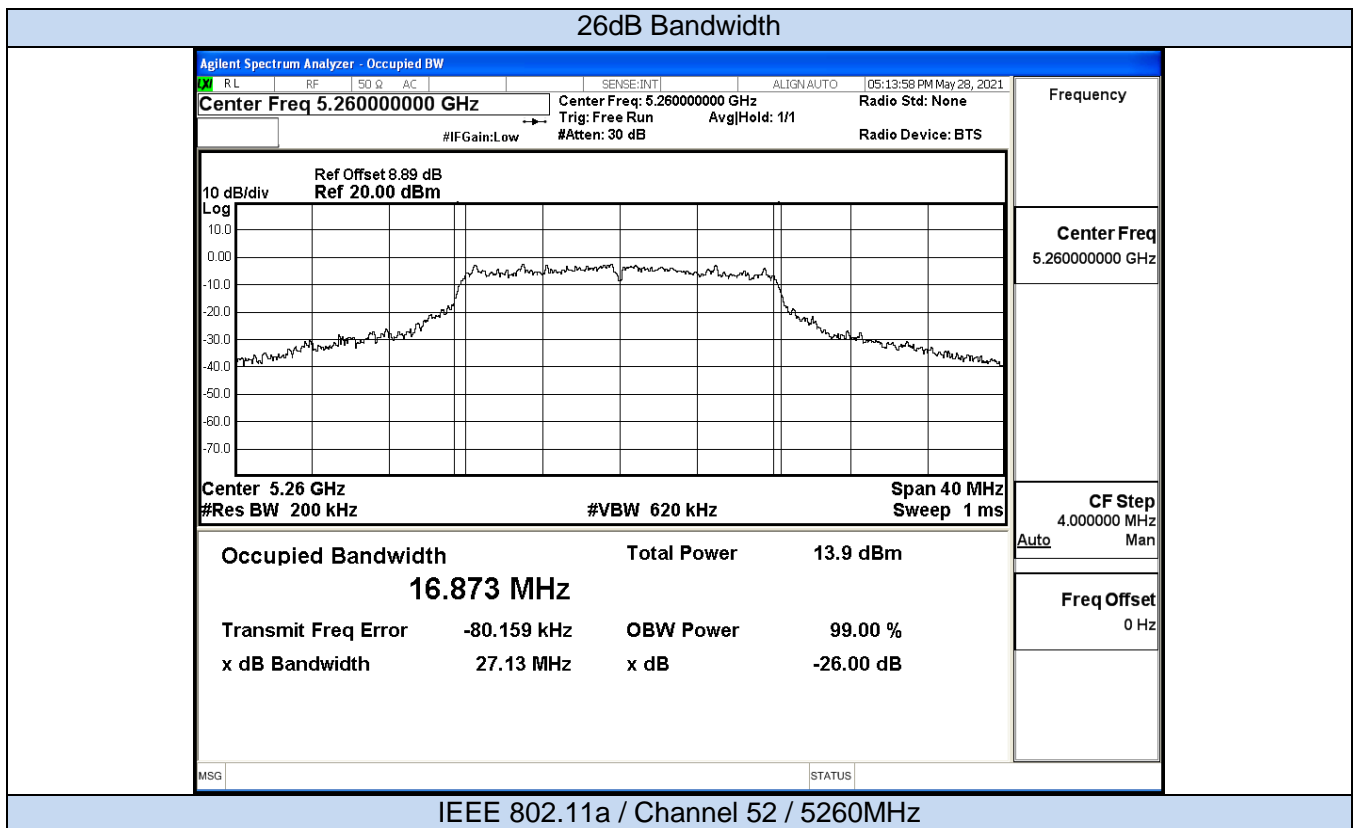
IEEE 802.11ac40 / Channel 62 / 5310MHz

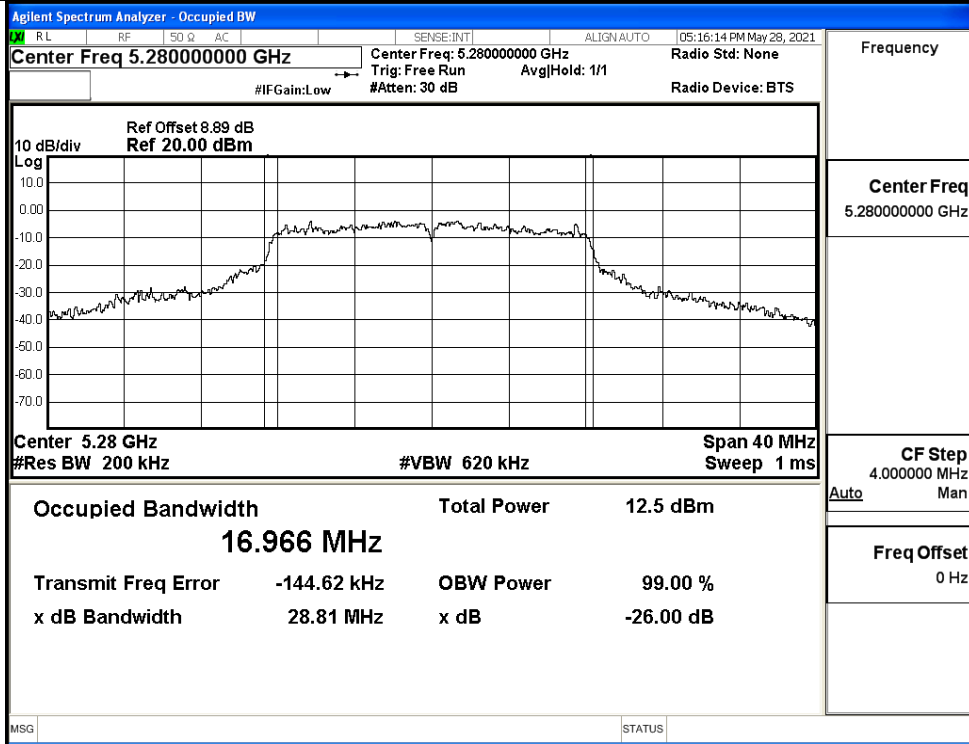


IEEE 802.11ac80 / Channel 58 / 5290MHz

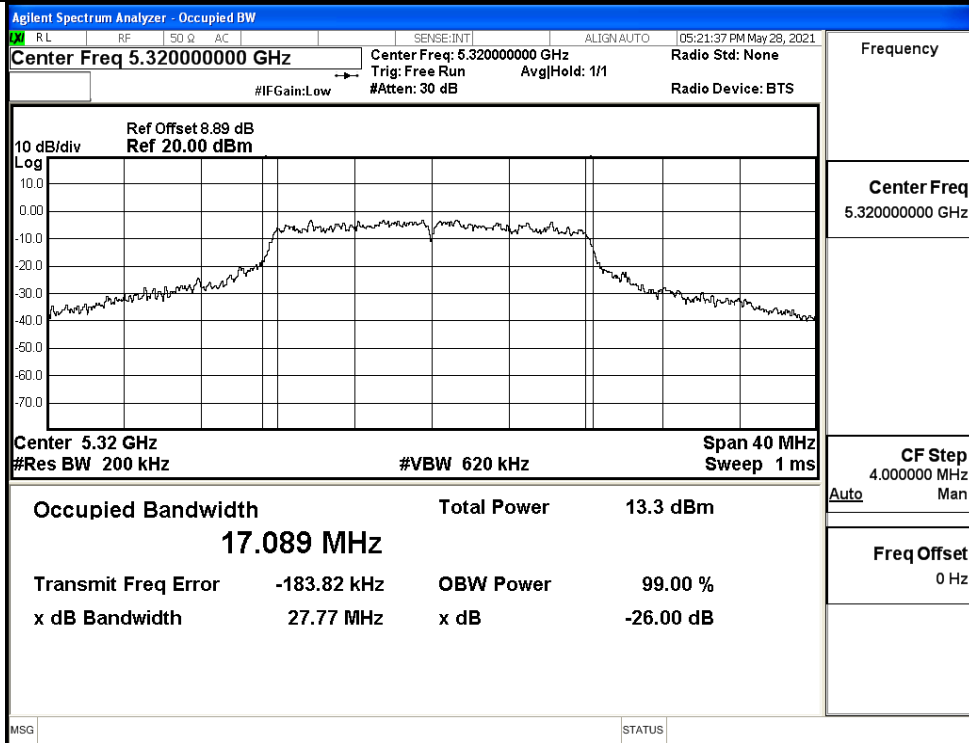
E.4 Emission Bandwidth

Test Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
11A	52	5260	27.13	No Limit	Pass
	56	5280	28.81		Pass
	64	5320	27.77		Pass
11N20 SISO	52	5260	24.63	No Limit	Pass
	56	5280	26.23		Pass
	64	5320	26.96		Pass
11N40 SISO	54	5270	52.60	No Limit	Pass
	62	5310	53.34		Pass
11AC20 SISO	52	5260	26.28	No Limi	Pass
	56	5280	26.02		Pass
	64	5320	26.39		Pass
11AC40 SISO	54	5270	48.96	No Limi	Pass
	62	5310	52.00		Pass
11AC80 SISO	58	5290	96.28	No Limi	Pass



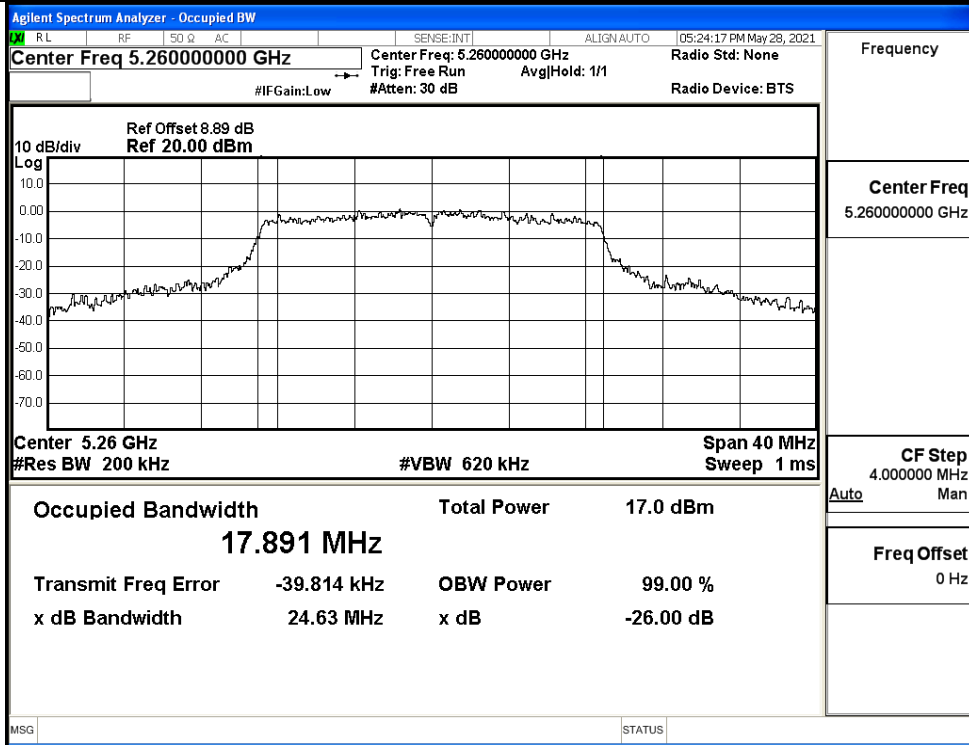


IEEE 802.11a / Channel 56 / 5280MHz

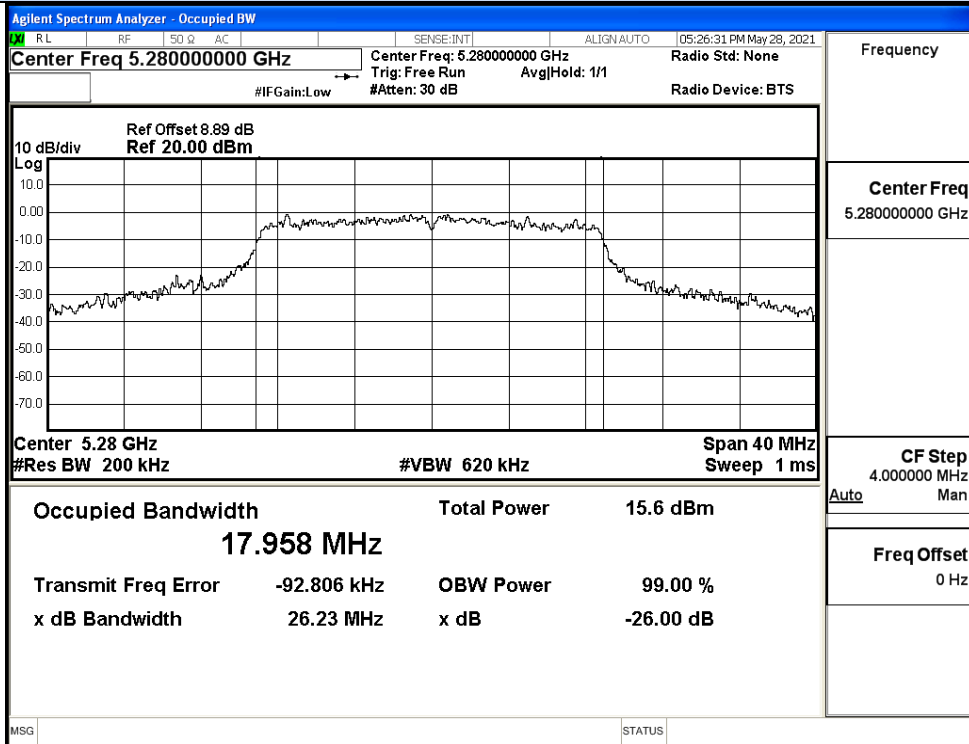


IEEE 802.11a / Channel 64 / 5320MHz

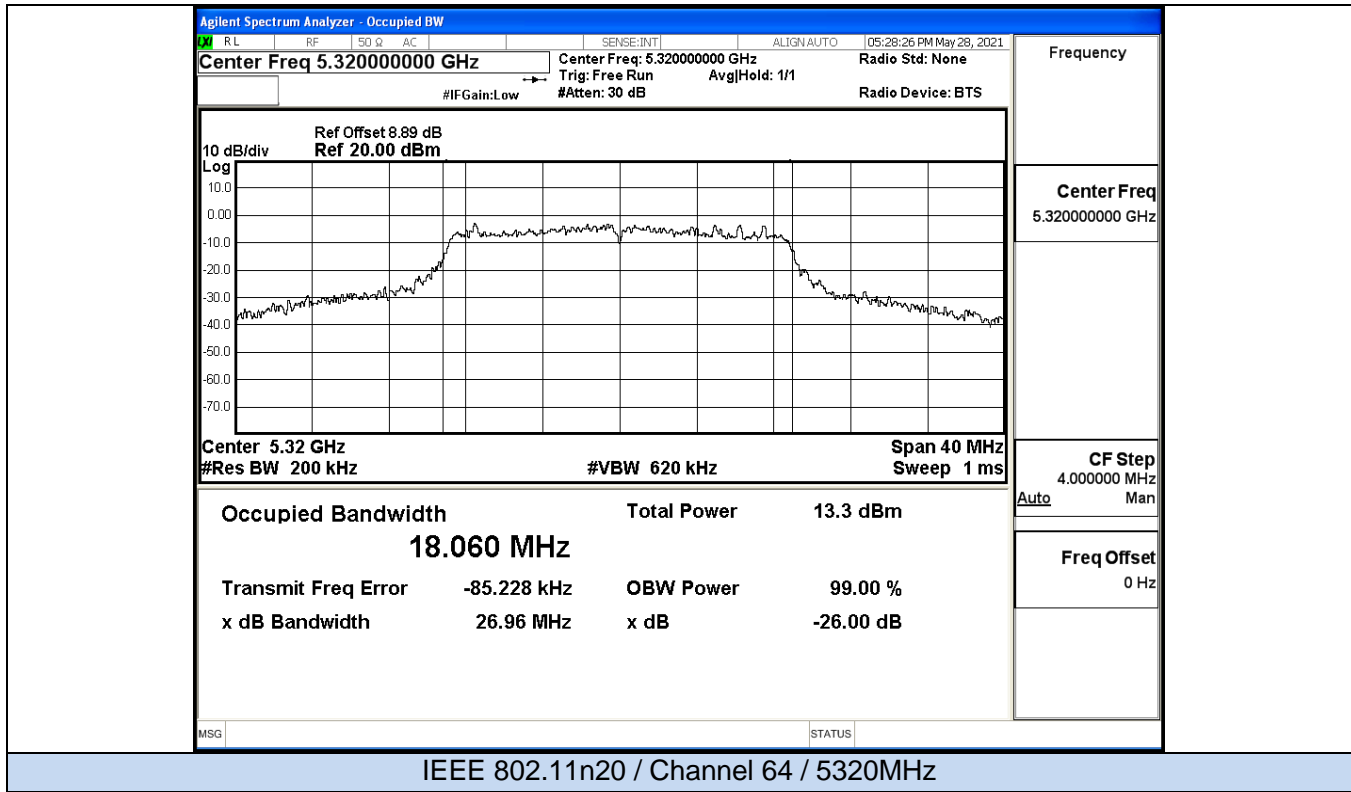
26dB Bandwidth



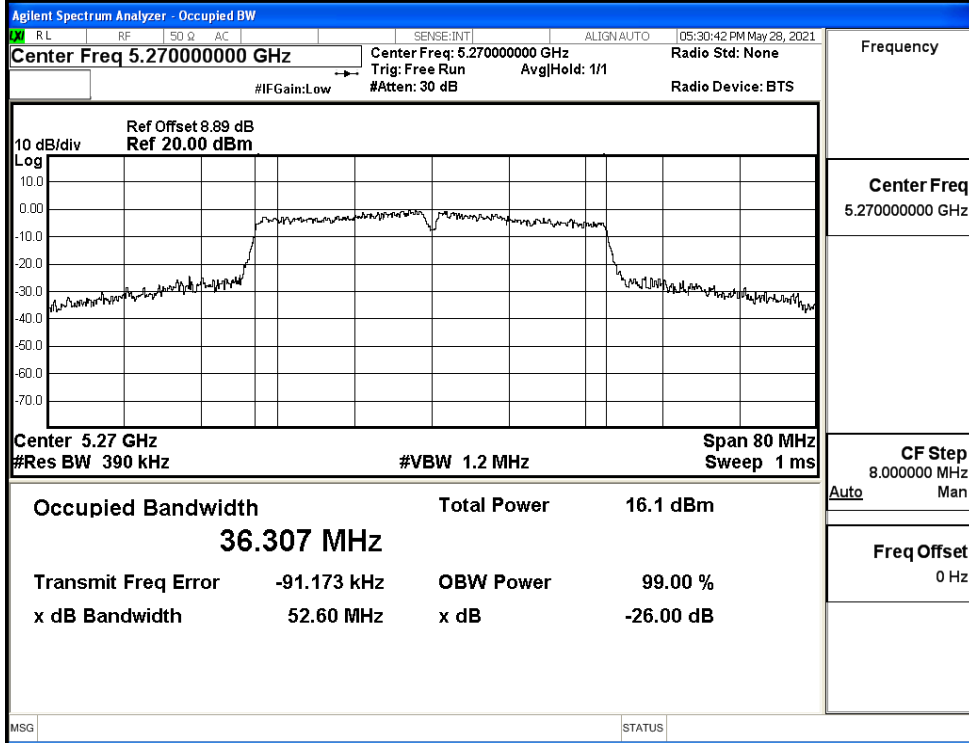
IEEE 802.11n20 / Channel 52 / 5260MHz



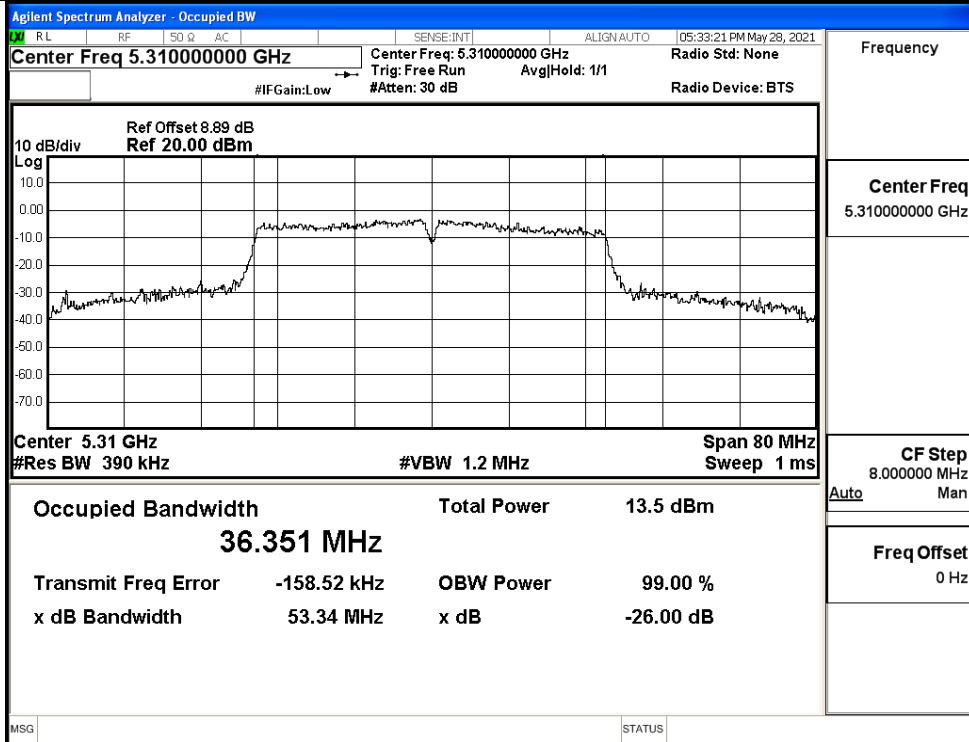
IEEE 802.11n20 / Channel 56 / 5280MHz



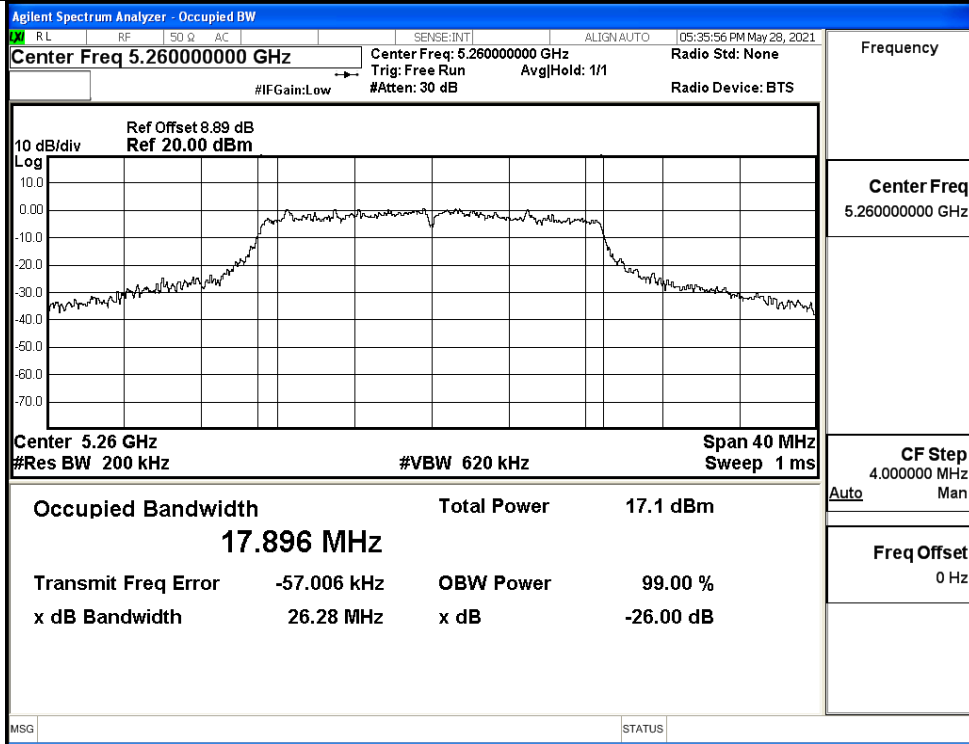
26dB Bandwidth



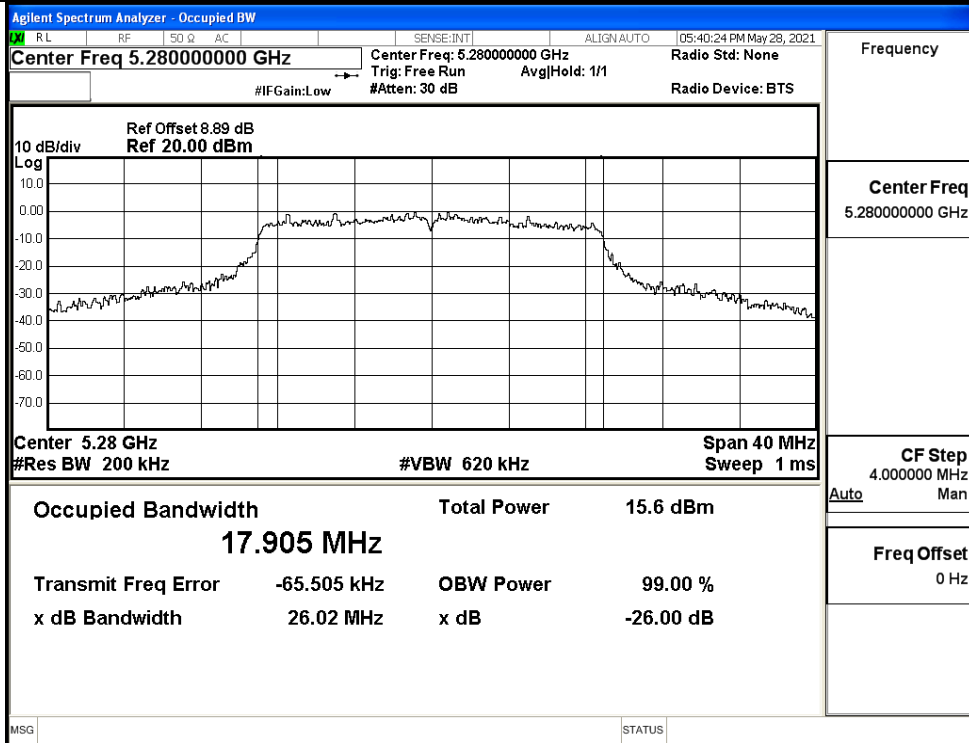
IEEE 802.11n40 / Channel 54 / 5270MHz



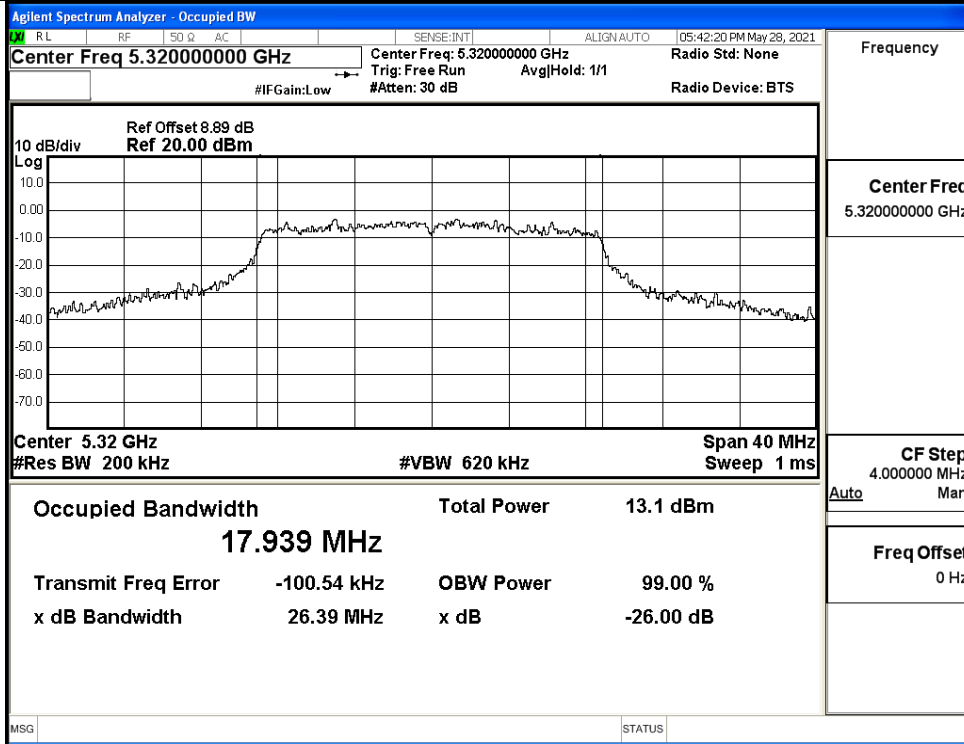
IEEE 802.11n40 / Channel 62 / 5310MHz



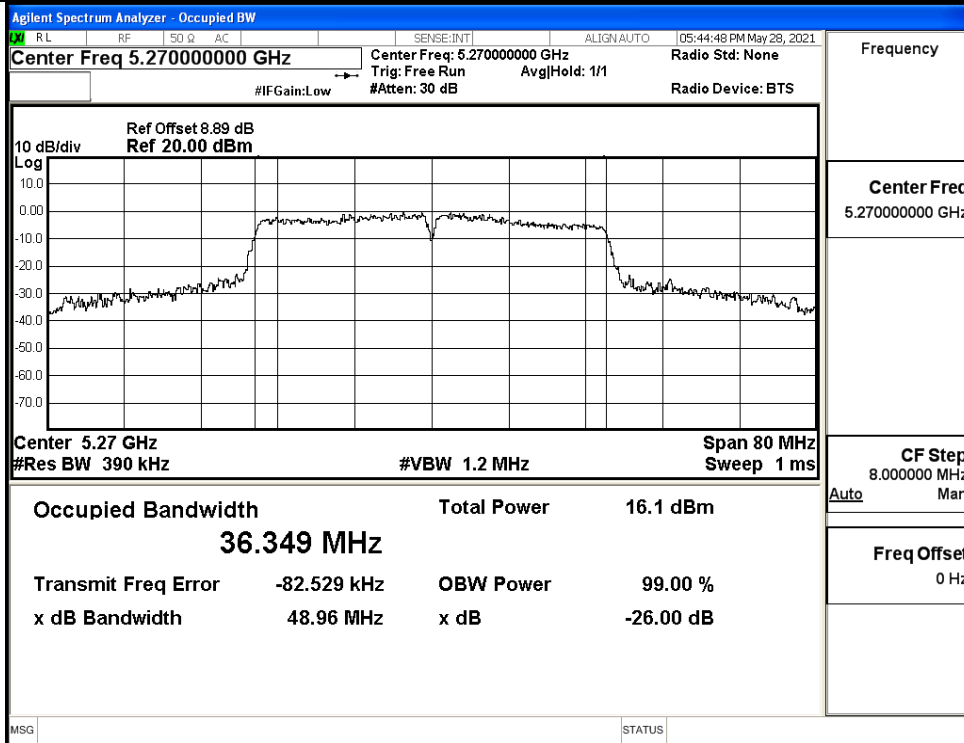
IEEE 802.11ac20 / Channel 52 / 5260MHz



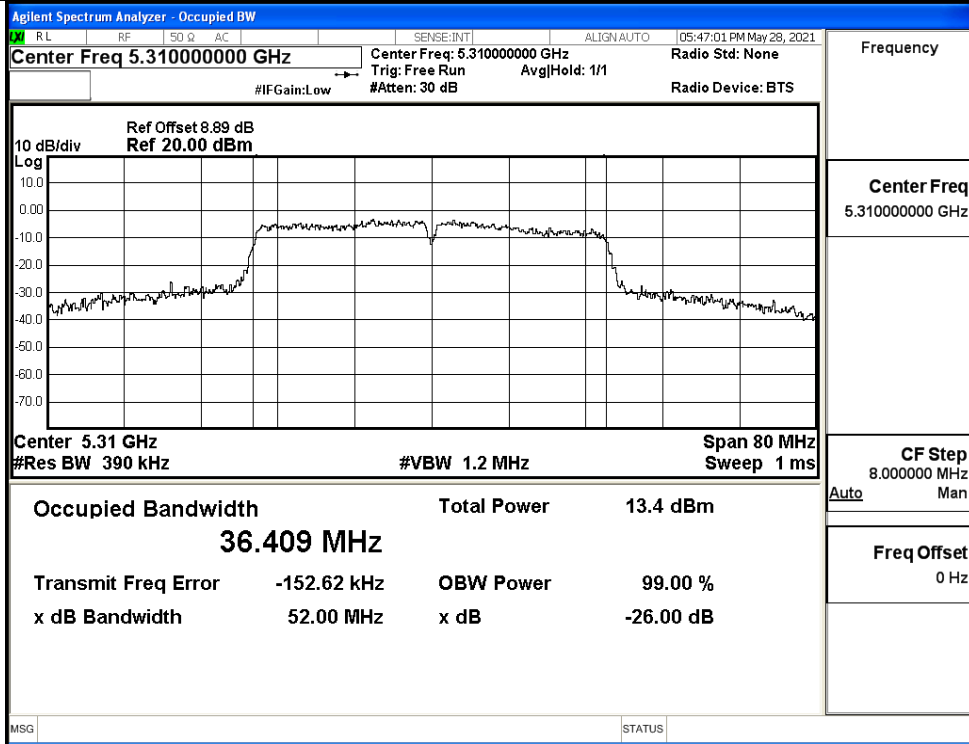
IEEE 802.11ac20 / Channel 56 / 5280MHz



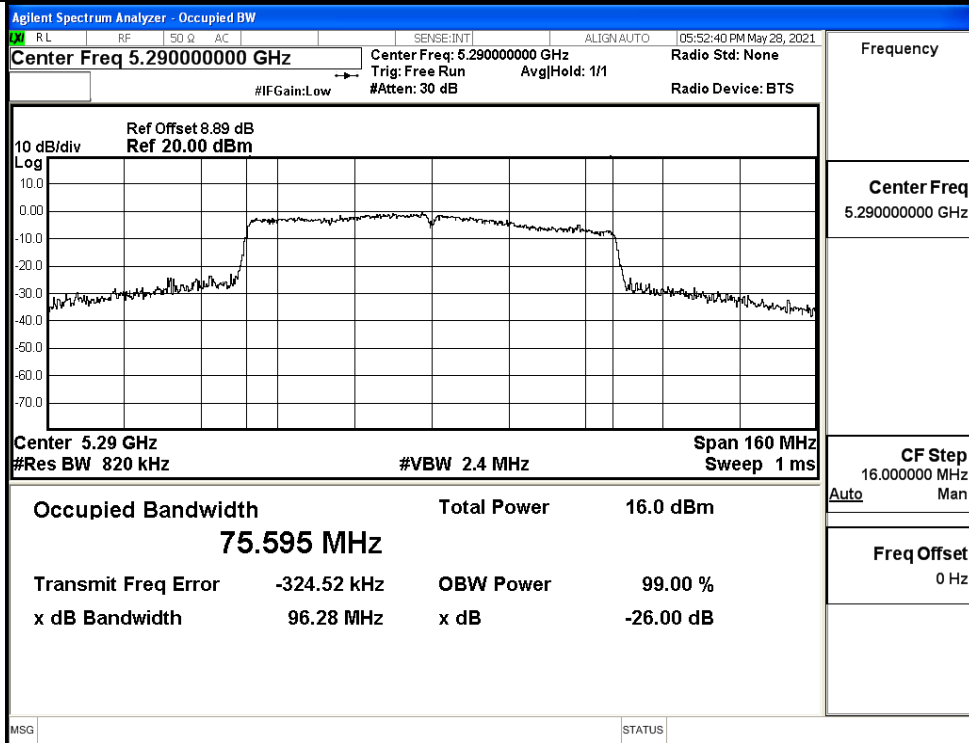
IEEE 802.11ac20 / Channel 64 / 5320MHz



IEEE 802.11ac40 / Channel 54 / 5270MHz



IEEE 802.11ac40 / Channel 62 / 5310MHz

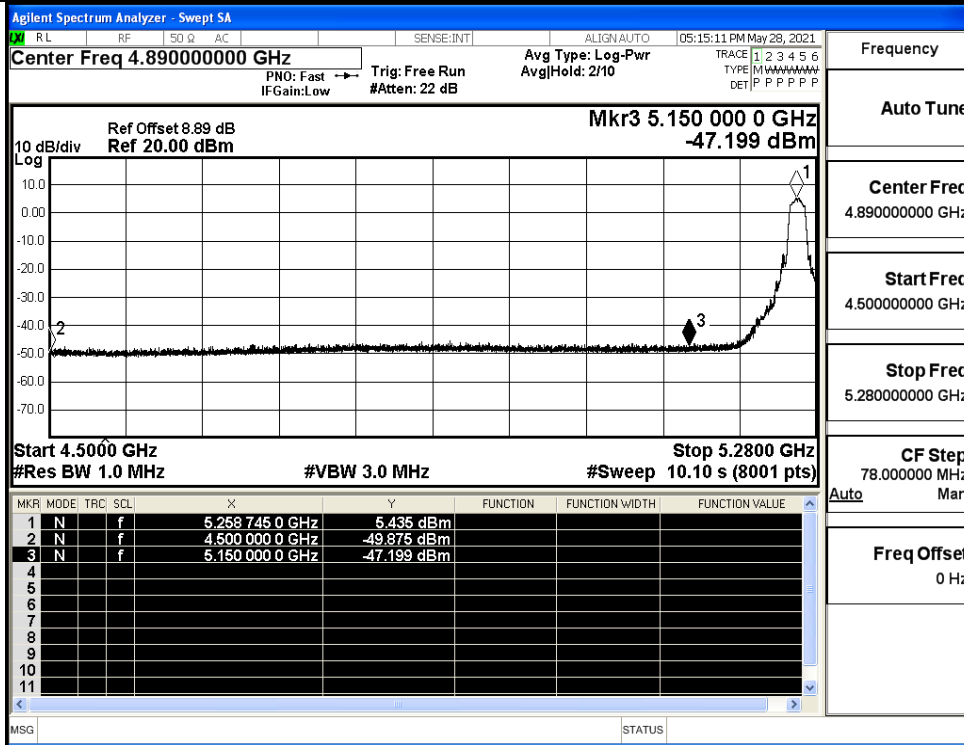


IEEE 802.11ac80 / Channel 58 / 5290MHz

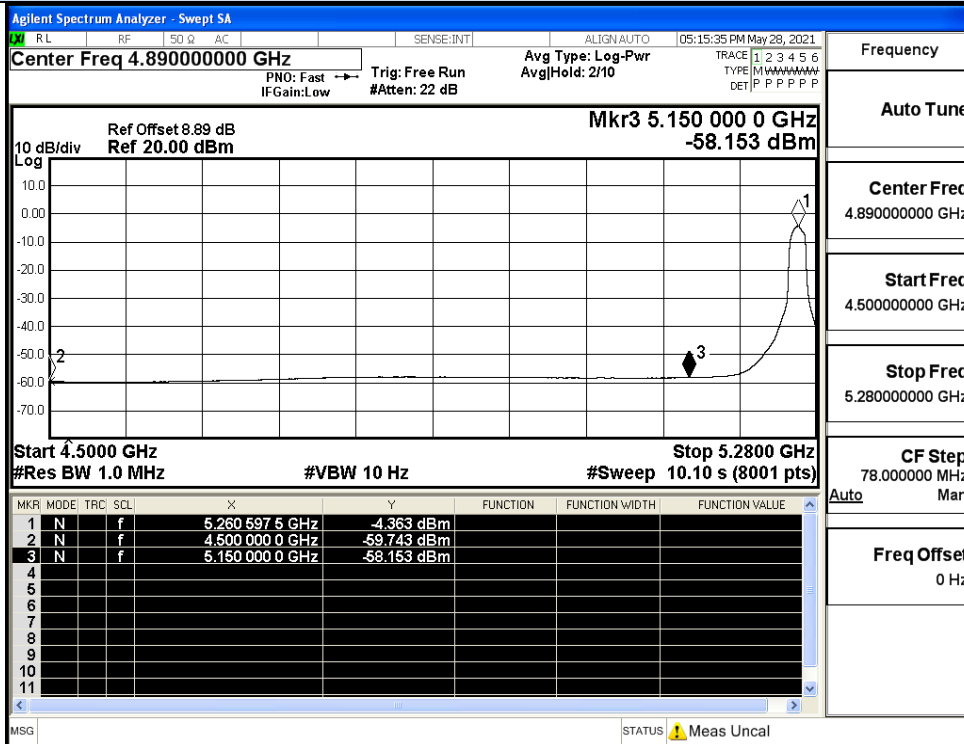
E.5 Undesirable Emissions Measurement

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	-49.88	2.00	0	45.35	Peak	68.20	Pass
		4500.0	-59.74	2.00	0	35.48	Average	54.00	Pass
		5150.0	-47.20	2.00	0	48.03	Peak	68.20	Pass
		5150.0	-58.15	2.00	0	37.07	Average	54.00	Pass
	64	5350.0	-39.95	2.00	0	55.27	Peak	68.20	Pass
		5350.0	-52.85	2.00	0	42.37	Average	54.00	Pass
		5460.0	-49.49	2.00	0	45.74	Peak	68.20	Pass
		5460.0	-60.52	2.00	0	34.70	Average	54.00	Pass
11N20 SISO	52	4500.0	-50.08	2.00	0	45.15	Peak	68.20	Pass
		4500.0	-59.76	2.00	0	35.46	Average	54.00	Pass
		5150.0	-47.79	2.00	0	47.43	Peak	68.20	Pass
		5150.0	-57.95	2.00	0	37.28	Average	54.00	Pass
	64	5350.0	-40.30	2.00	0	54.93	Peak	68.20	Pass
		5350.0	-54.74	2.00	0	40.48	Average	54.00	Pass
		5460.0	-49.52	2.00	0	45.71	Peak	68.20	Pass
		5460.0	-60.48	2.00	0	34.75	Average	54.00	Pass
11N40 SISO	54	4500.0	-49.45	2.00	0	45.78	Peak	68.20	Pass
		4500.0	-59.77	2.00	0	35.46	Average	54.00	Pass
		5150.0	-47.79	2.00	0	47.44	Peak	68.20	Pass
		5150.0	-57.28	2.00	0	37.94	Average	54.00	Pass
	62	5350.0	-30.99	2.00	0	64.24	Peak	68.20	Pass
		5350.0	-47.71	2.00	0	47.52	Average	54.00	Pass
		5460.0	-48.21	2.00	0	47.02	Peak	68.20	Pass
		5460.0	-60.24	2.00	0	34.99	Average	54.00	Pass
11AC20 SISO	52	4500.0	-49.22	2.00	0	46.01	Peak	68.20	Pass
		4500.0	-59.76	2.00	0	35.47	Average	54.00	Pass
		5150.0	-48.84	2.00	0	46.39	Peak	68.20	Pass
		5150.0	-57.97	2.00	0	37.25	Average	54.00	Pass
	64	4500.0	-49.22	2.00	0	46.01	Peak	68.20	Pass
		4500.0	-59.76	2.00	0	35.47	Average	54.00	Pass
		5150.0	-48.84	2.00	0	46.39	Peak	68.20	Pass
		5150.0	-57.97	2.00	0	37.25	Average	54.00	Pass
11AC40 SISO	54	4500.0	-50.85	2.00	0	44.38	Peak	68.20	Pass
		4500.0	-59.72	2.00	0	35.51	Average	54.00	Pass
		5150.0	-46.45	2.00	0	48.78	Peak	68.20	Pass
		5150.0	-57.27	2.00	0	37.96	Average	54.00	Pass
	62	5350.0	-32.69	2.00	0	62.54	Peak	68.20	Pass
		5350.0	-47.69	2.00	0	47.54	Average	54.00	Pass
		5460.0	-49.29	2.00	0	45.93	Peak	68.20	Pass
		5460.0	-60.14	2.00	0	35.09	Average	54.00	Pass
11AC80 SISO	58	4500.0	-49.52	2.00	0	47.71	Peak	68.20	Pass
		5150.0	-59.75	2.00	0	37.48	Average	54.00	Pass
		4500.0	-42.40	2.00	0	54.83	Peak	68.20	Pass
		5150.0	-54.52	2.00	0	42.71	Average	54.00	Pass
		5350.0	-29.25	2.00	0	65.98	Peak	68.20	Pass
		5460.0	-43.86	2.00	0	51.37	Average	54.00	Pass
		5350.0	-47.95	2.00	0	47.28	Peak	68.20	Pass
		5460.0	-58.91	2.00	0	36.31	Average	54.00	Pass

Undesirable Emissions Measurement

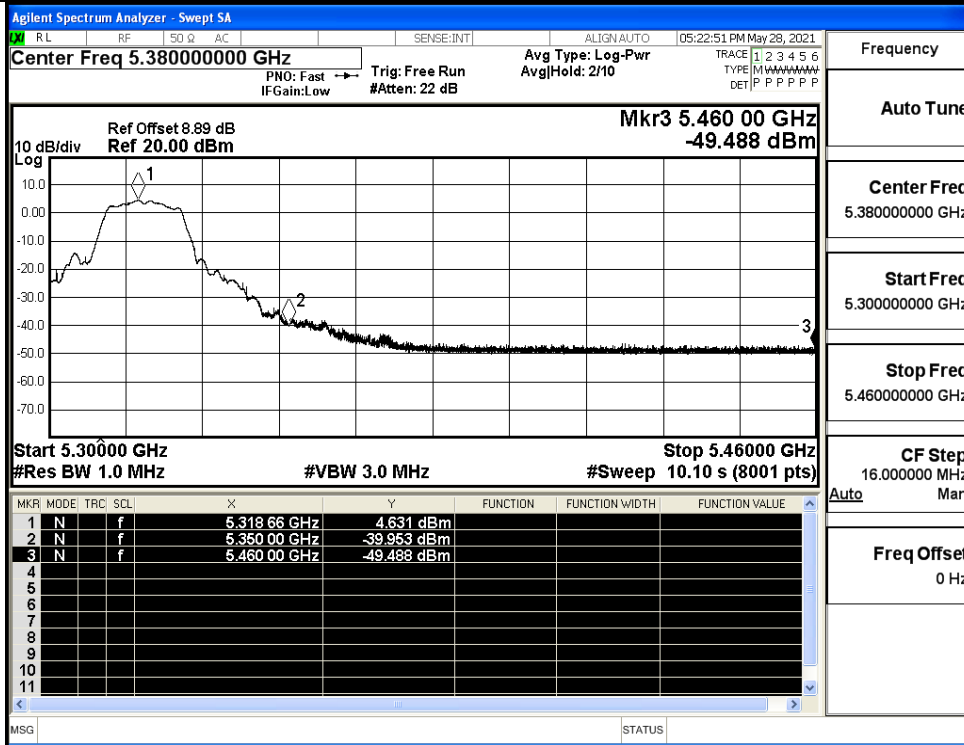


IEEE 802.11a / Channel 36 / 5260MHz / Peak

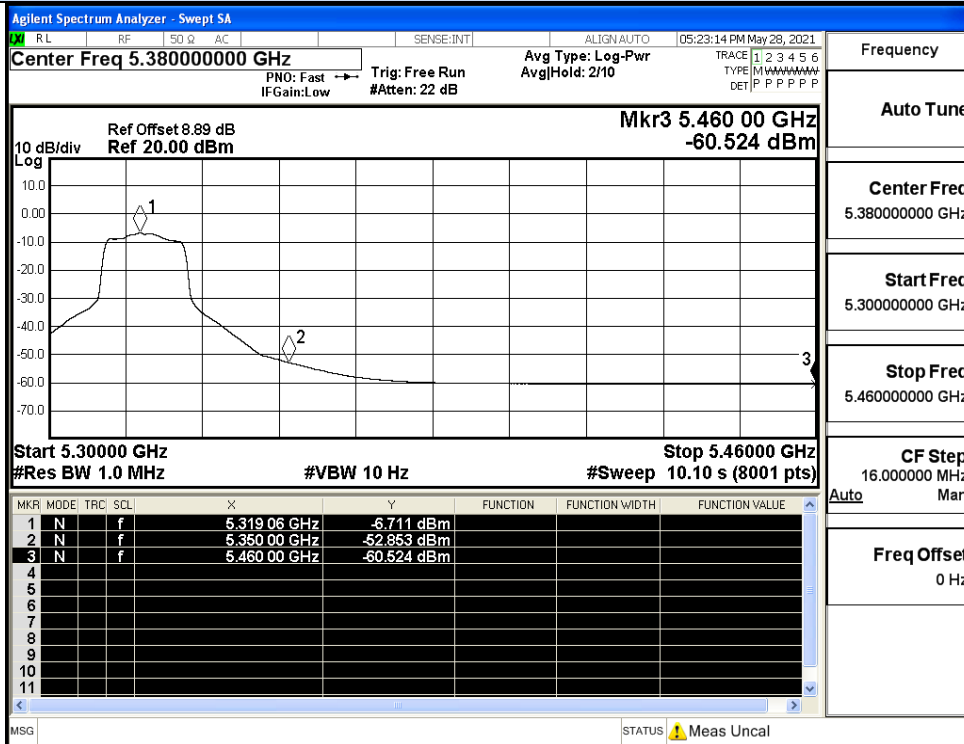


IEEE 802.11a / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

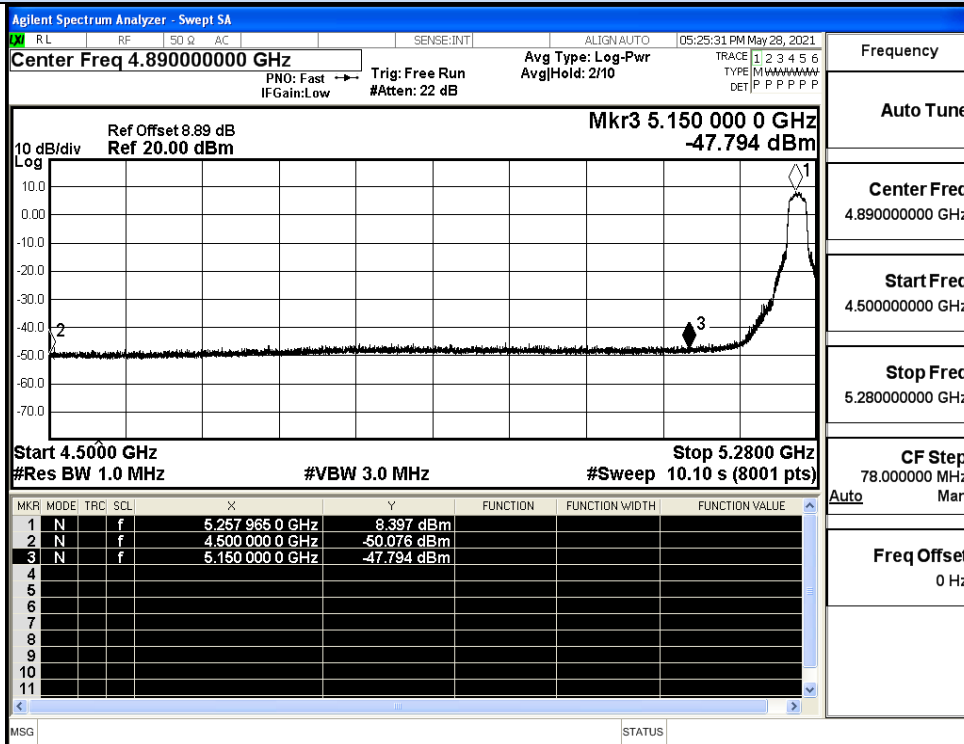


IEEE 802.11a / Channel 48 / 5320MHz / Peak

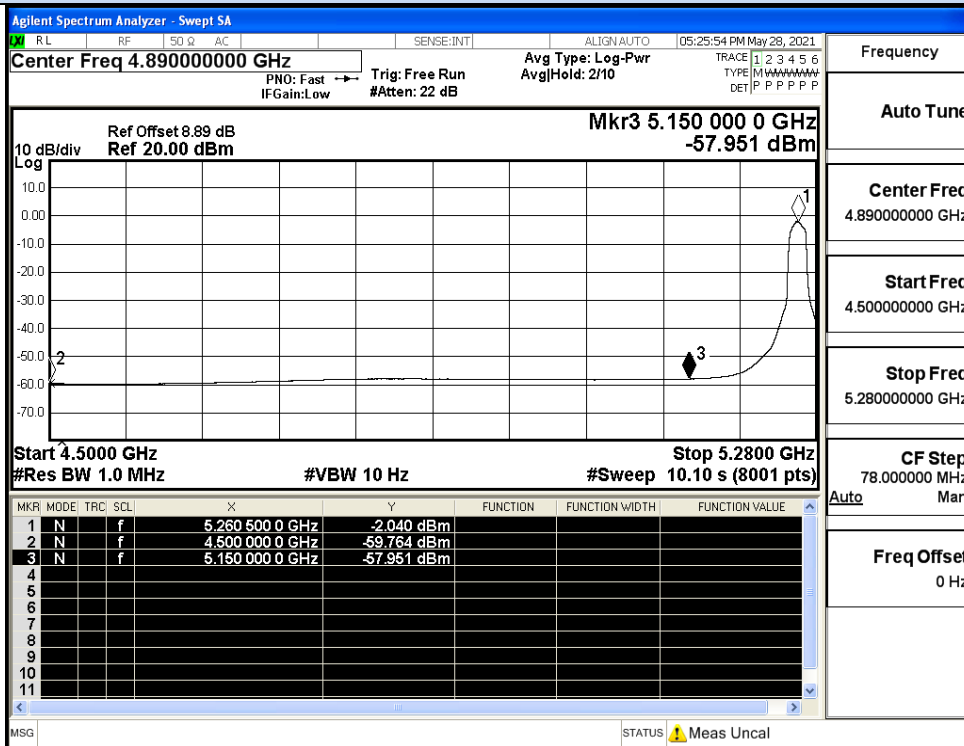


IEEE 802.11a / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

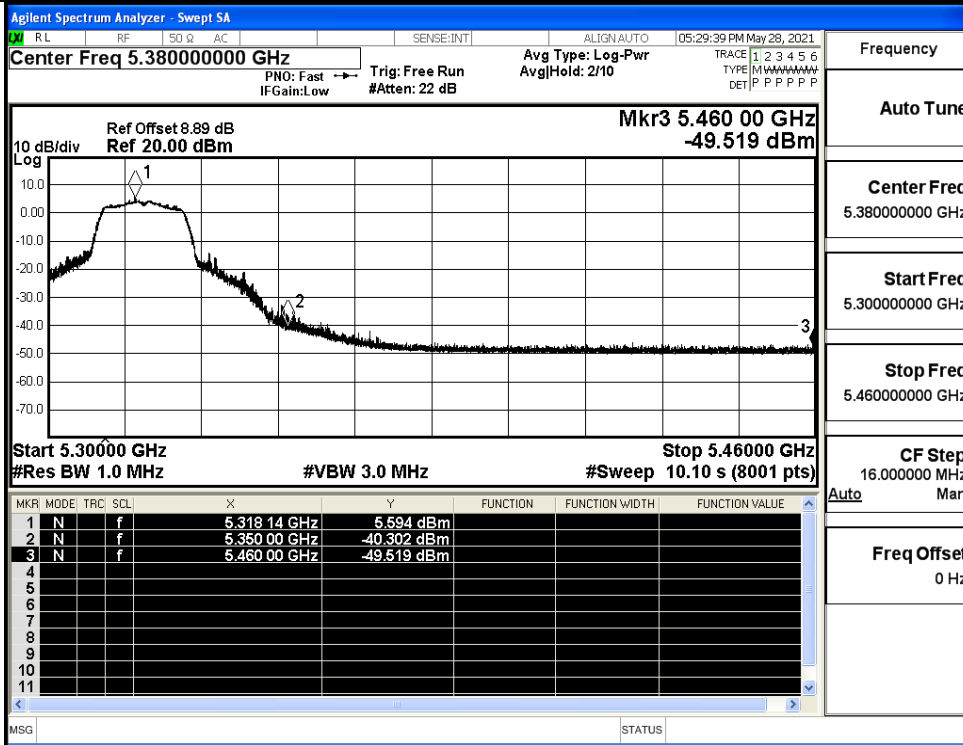


IEEE 802.11n20 / Channel 36 / 5260MHz / Peak

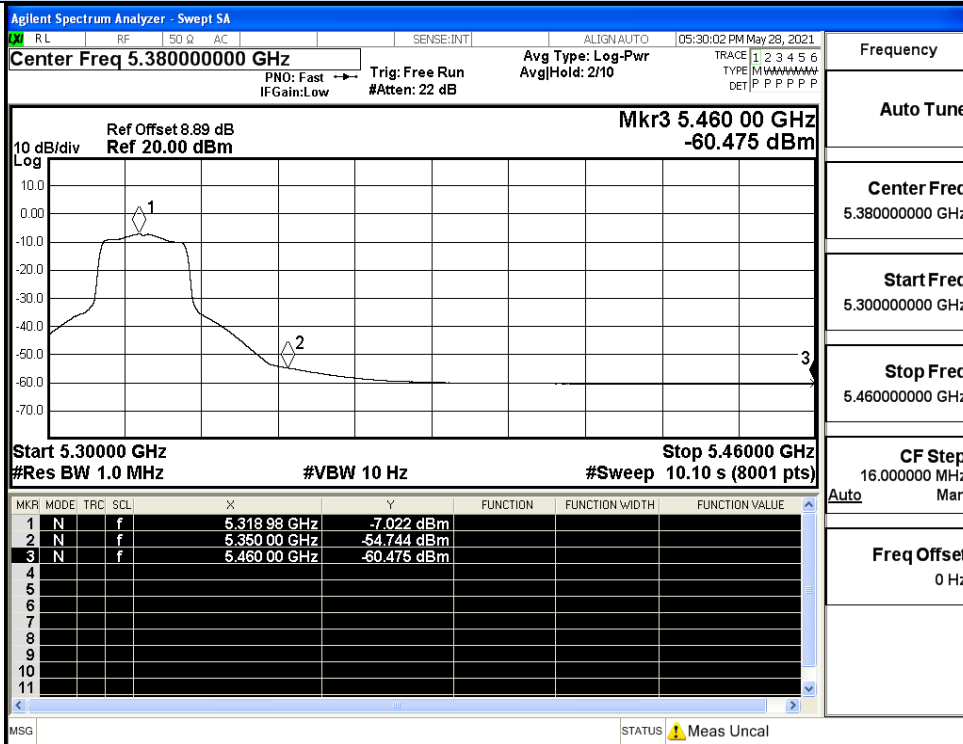


IEEE 802.11n20 / Channel 36 / 5260MHz / Average

Undesirable Emissions Measurement

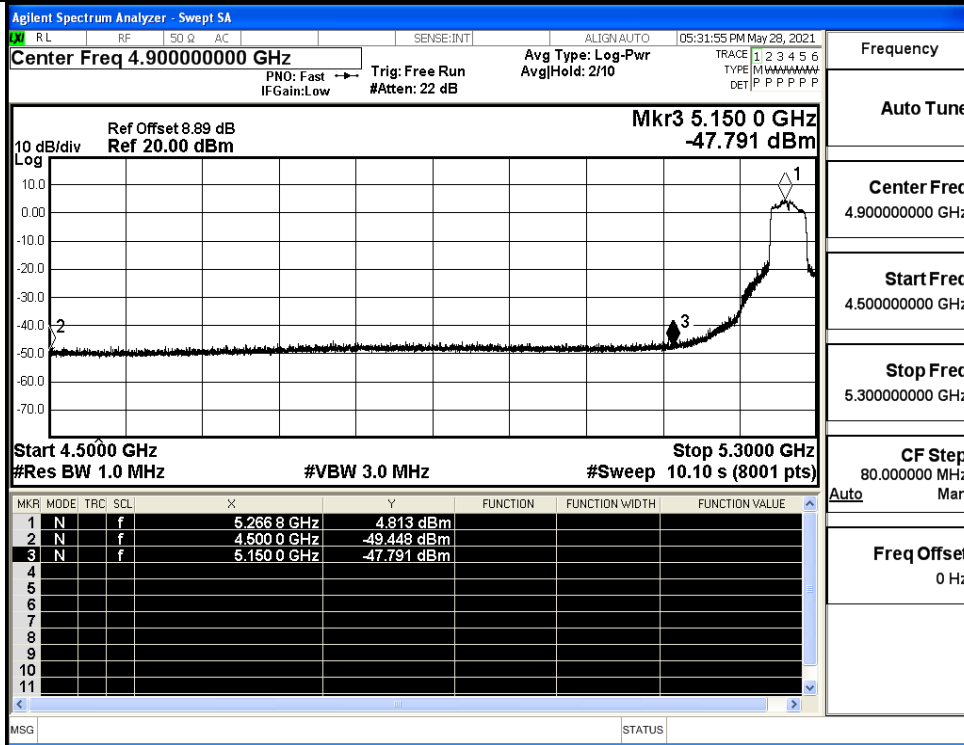


IEEE 802.11n20 / Channel 48 / 5320MHz / Peak

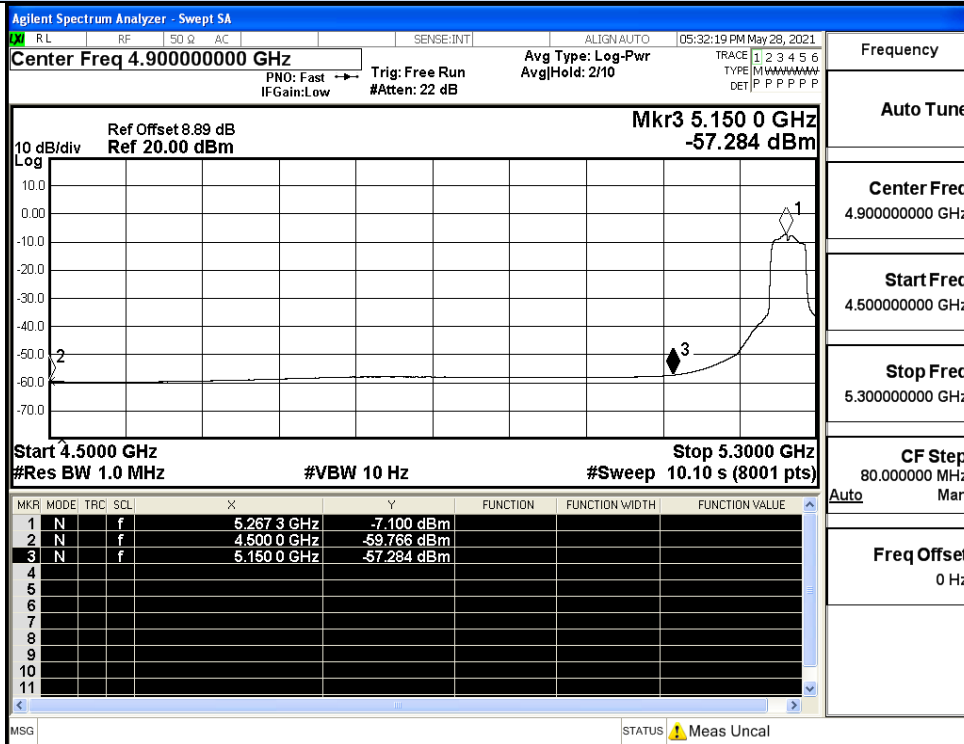


IEEE 802.11n20 / Channel 48 / 5320MHz / Average

Undesirable Emissions Measurement

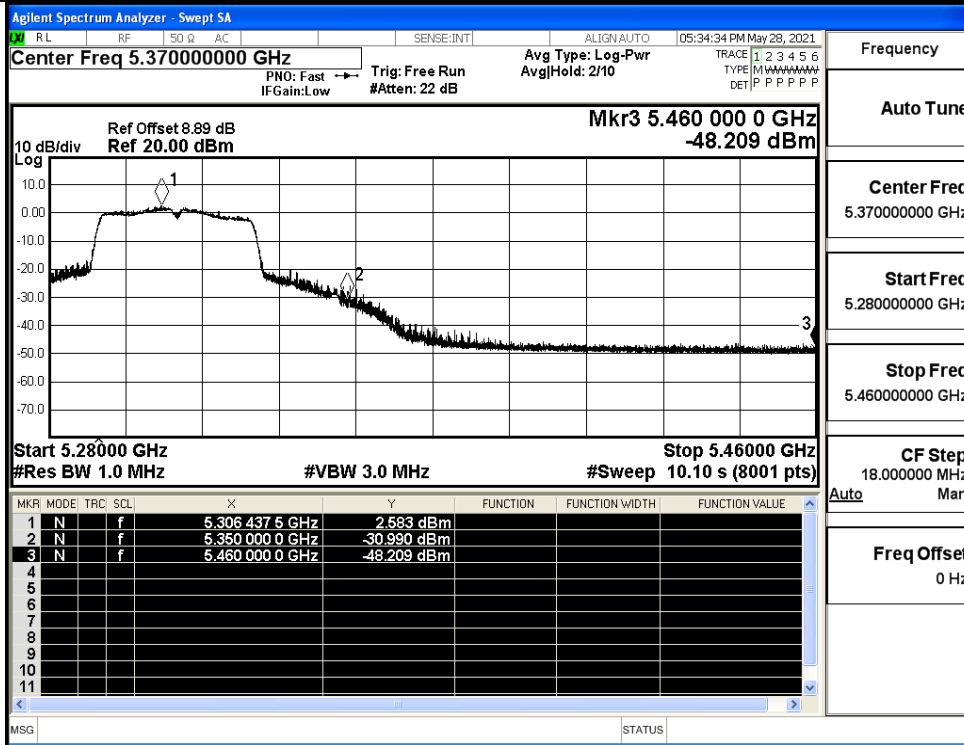


IEEE 802.11n40 / Channel 38 / 5270MHz / Peak

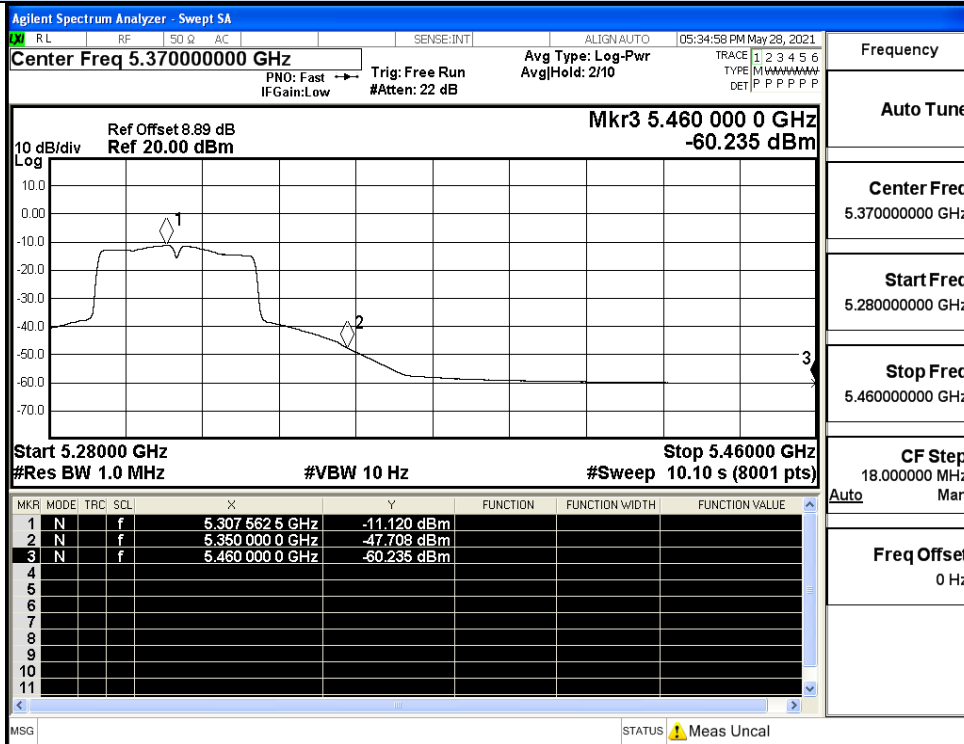


IEEE 802.11n40 / Channel 38 / 5270MHz / Average

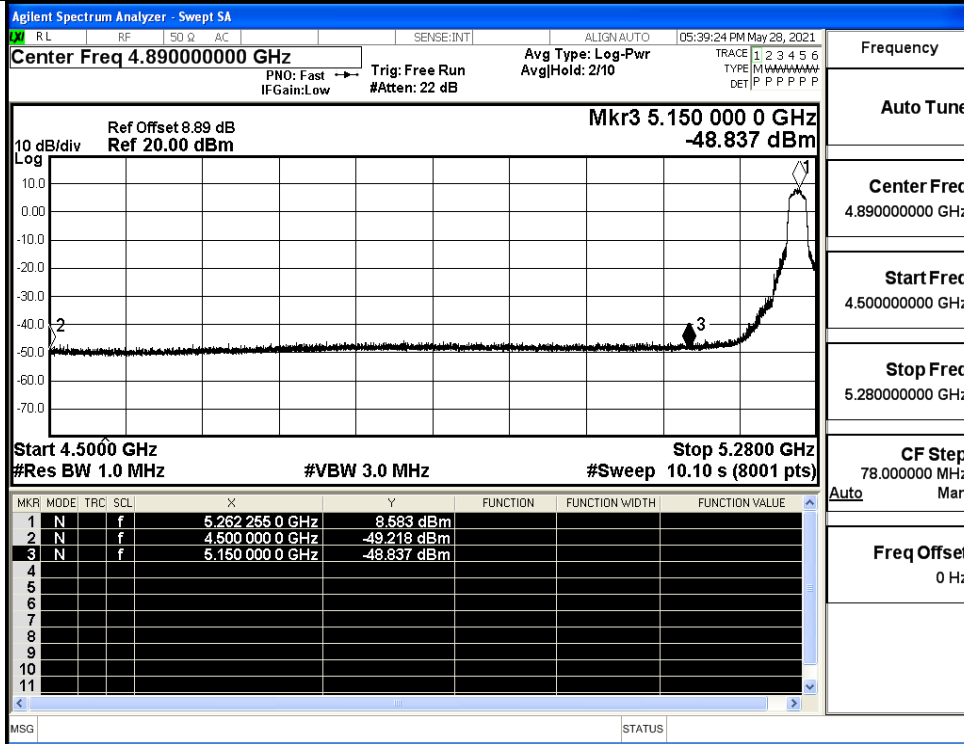
Undesirable Emissions Measurement



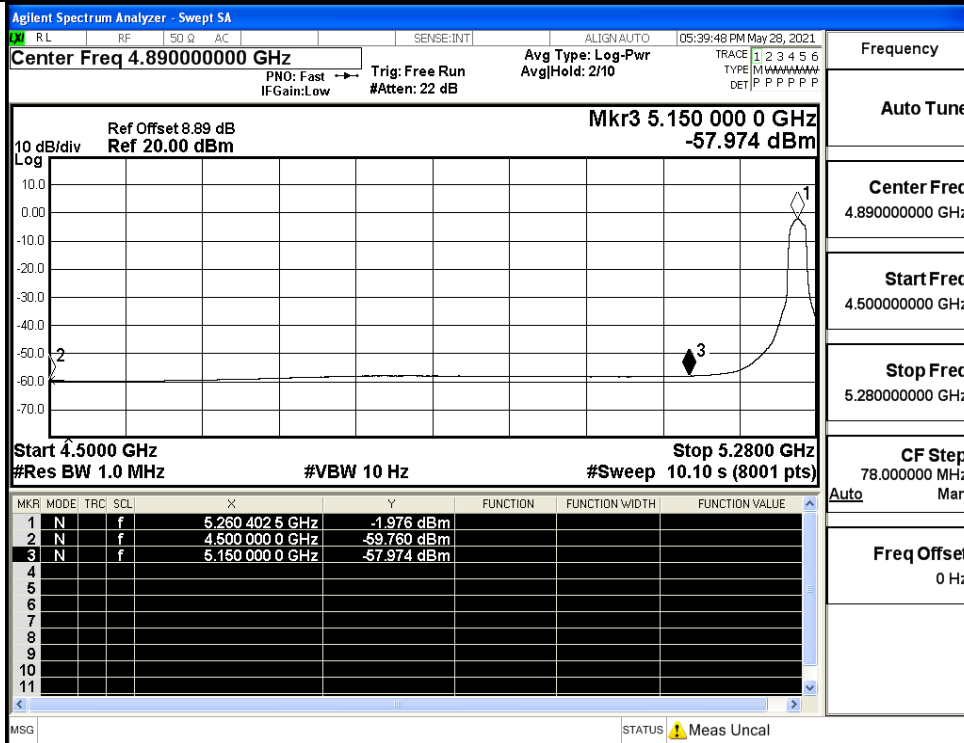
IEEE 802.11n40 / Channel 46 / 5310MHz / Peak



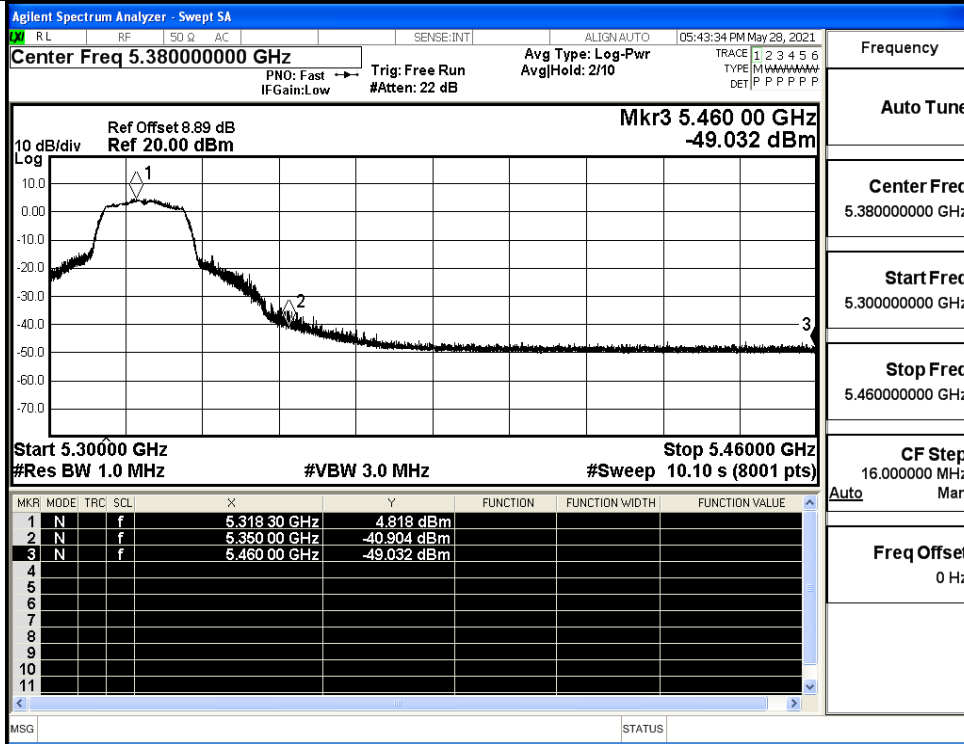
IEEE 802.11n40 / Channel 46 / 5310MHz / Average



IEEE 802.11ac20 / Channel 36 / 5260MHz / Peak

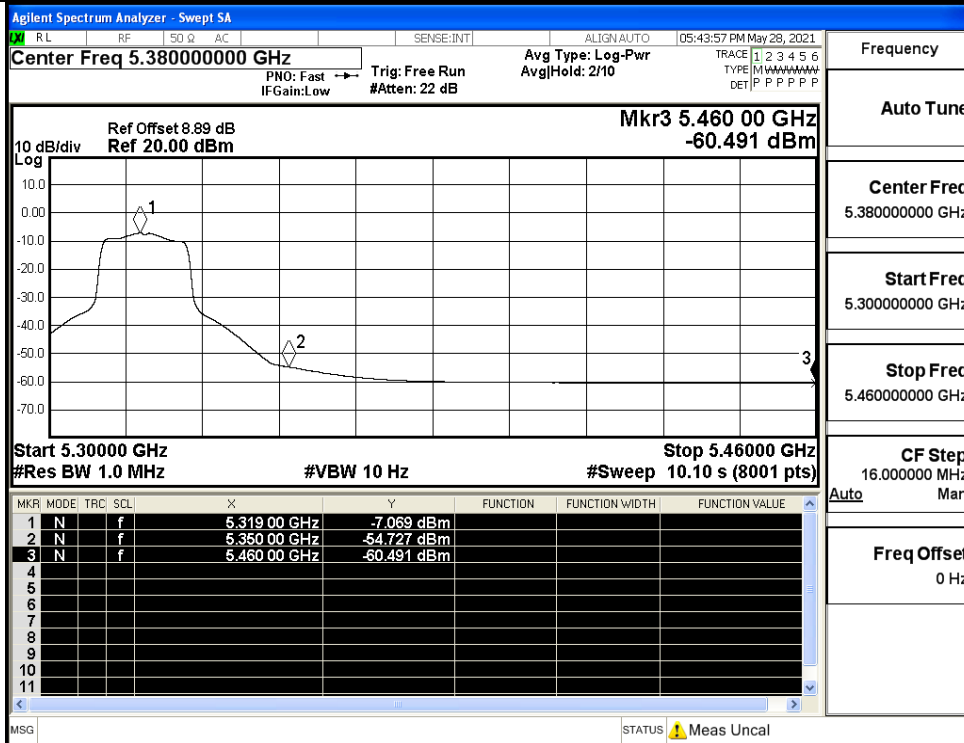


IEEE 802.11ac20 / Channel 36 / 5260MHz / Average



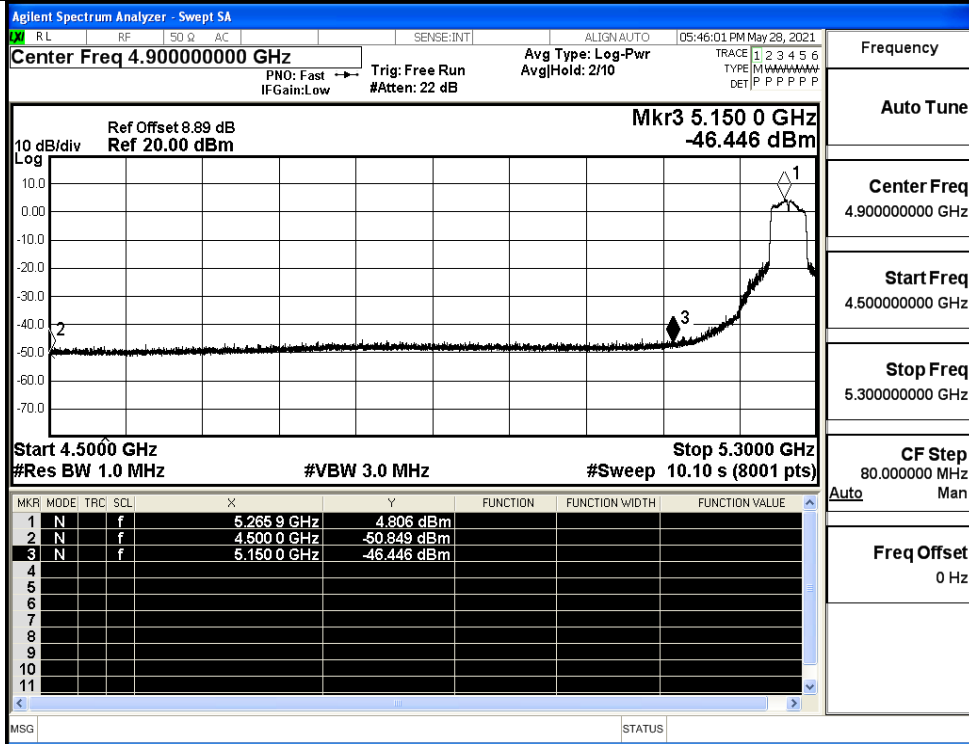
Frequency	
Auto Tune	
Center Freq	5.38000000 GHz
Start Freq	5.30000000 GHz
Stop Freq	5.46000000 GHz
CF Step	16.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac20 / Channel 48 / 5320MHz / Peak

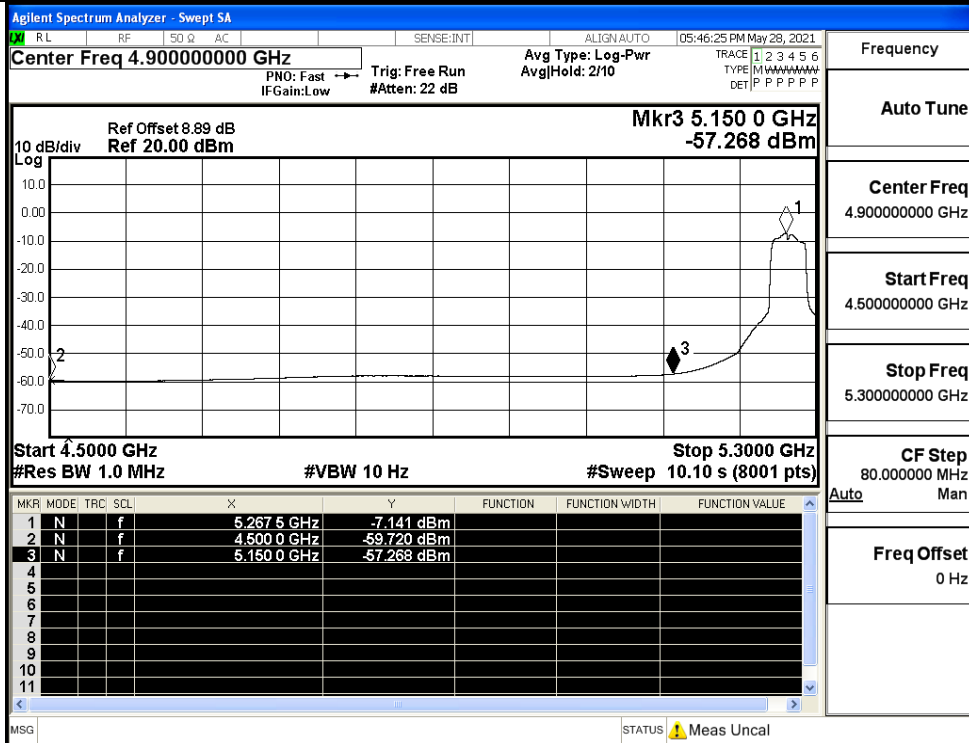


Frequency	
Auto Tune	
Center Freq	5.38000000 GHz
Start Freq	5.30000000 GHz
Stop Freq	5.46000000 GHz
CF Step	16.000000 MHz
Auto	Man
Freq Offset	0 Hz

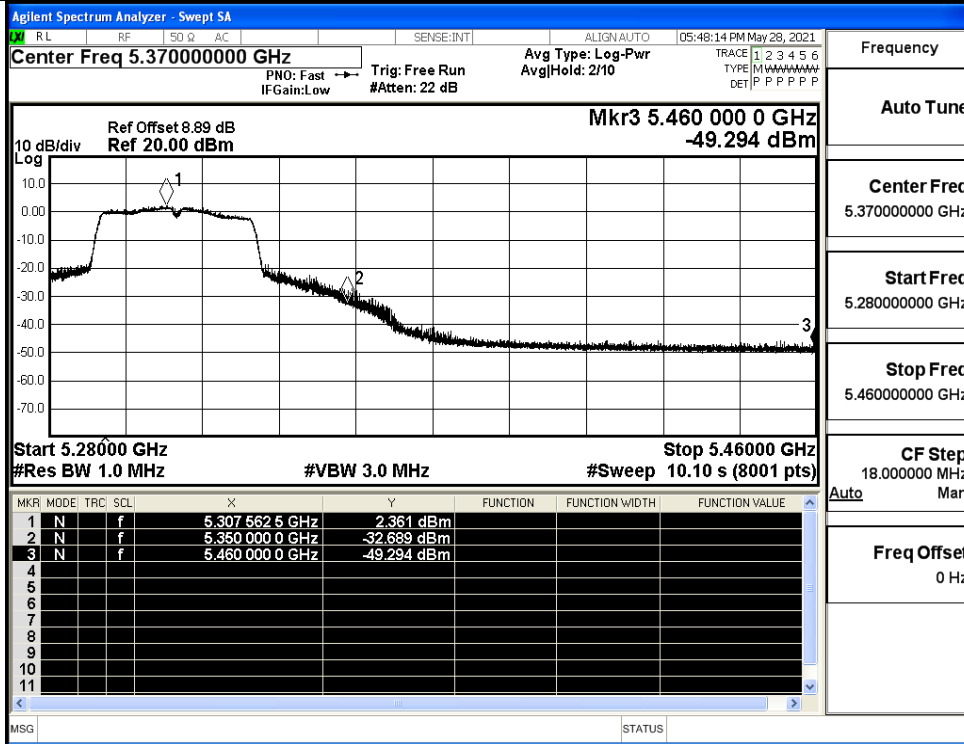
IEEE 802.11ac20 / Channel 48 / 5320MHz / Average



IEEE 802.11ac40 / Channel 38 / 5270MHz / Peak

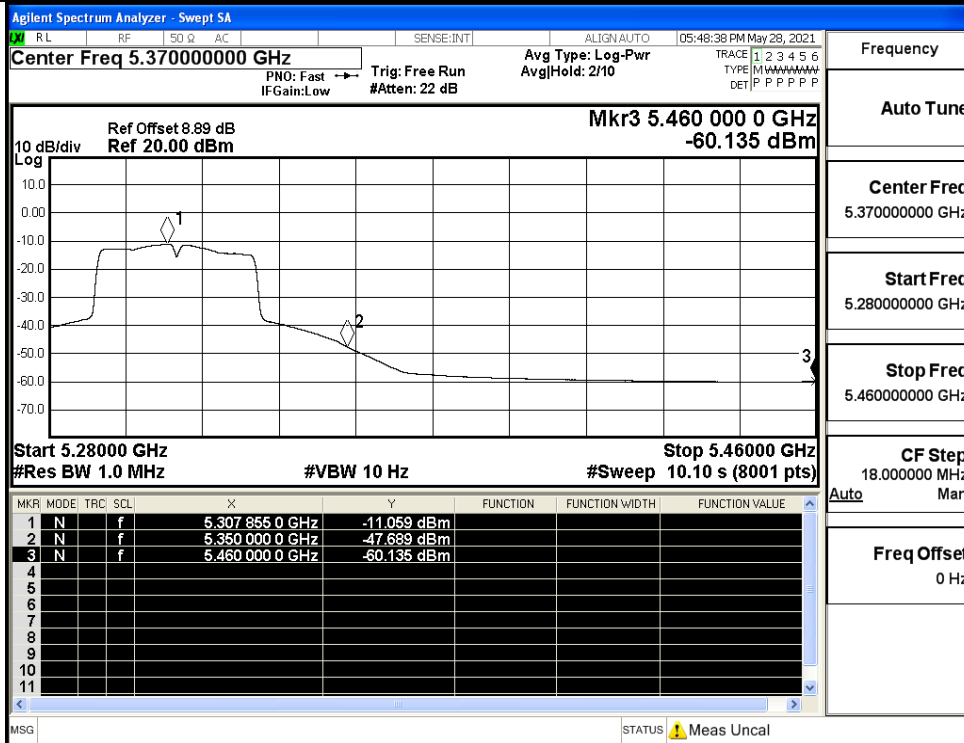


IEEE 802.11ac40 / Channel 38 / 5270MHz / Average



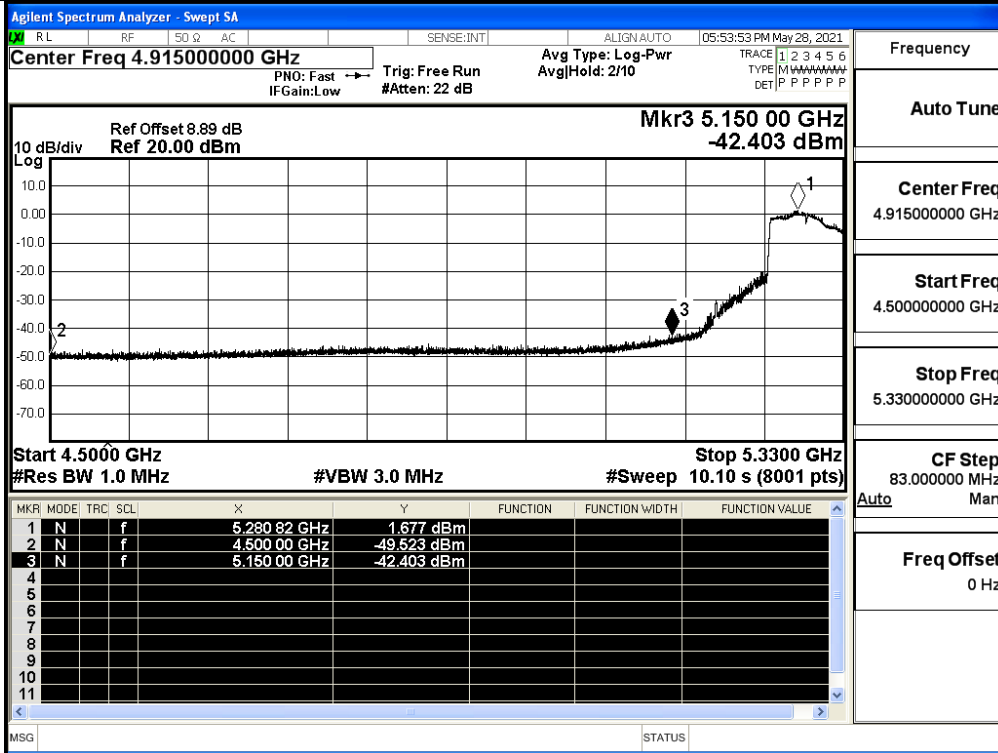
Frequency	
Auto Tune	
Center Freq	5.370000000 GHz
Start Freq	5.280000000 GHz
Stop Freq	5.460000000 GHz
CF Step	18.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac40 / Channel 46/ 5310MHz / Peak



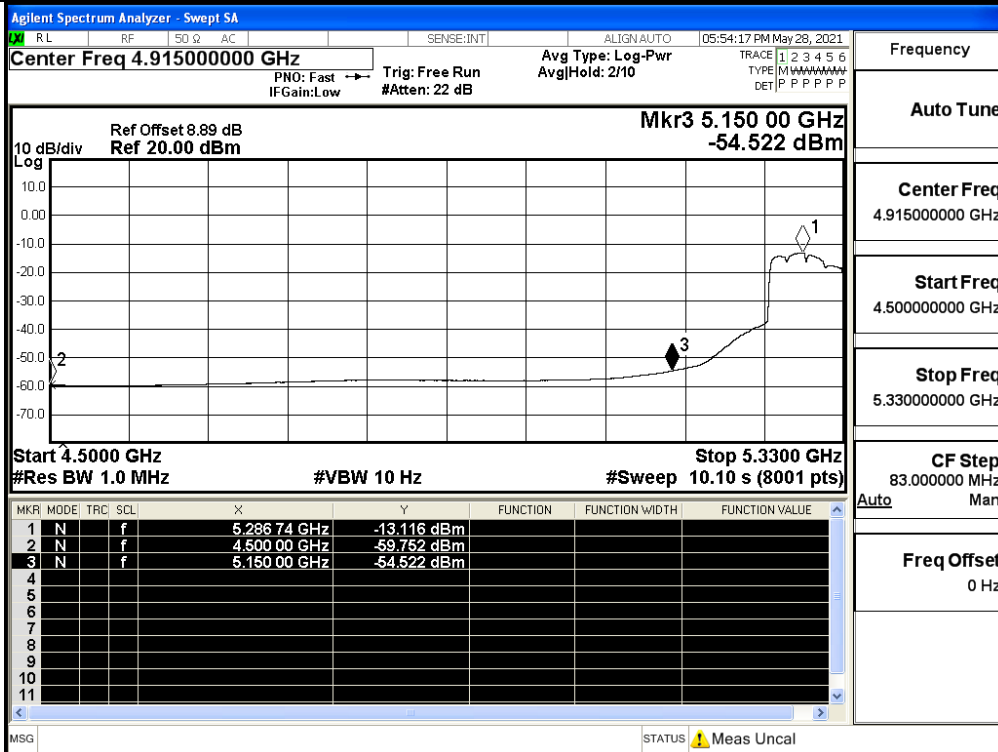
Frequency	
Auto Tune	
Center Freq	5.370000000 GHz
Start Freq	5.280000000 GHz
Stop Freq	5.460000000 GHz
CF Step	18.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac40 / Channel 46 / 5310MHz / Average



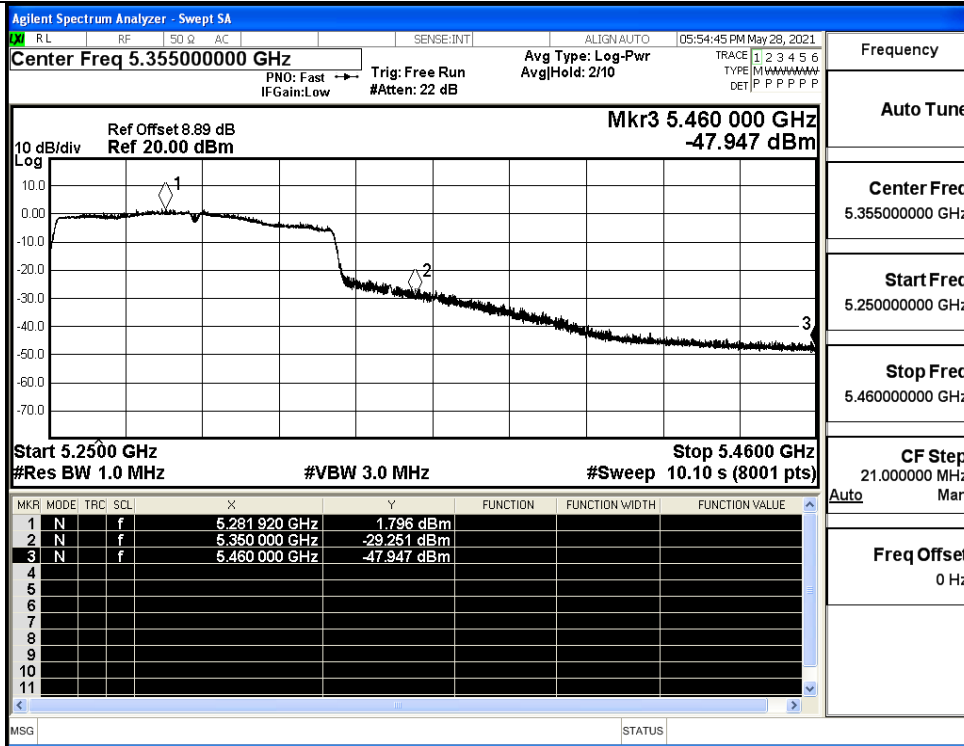
Frequency	
Auto Tune	
Center Freq	4.915000000 GHz
Start Freq	4.500000000 GHz
Stop Freq	5.330000000 GHz
CF Step	83.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak



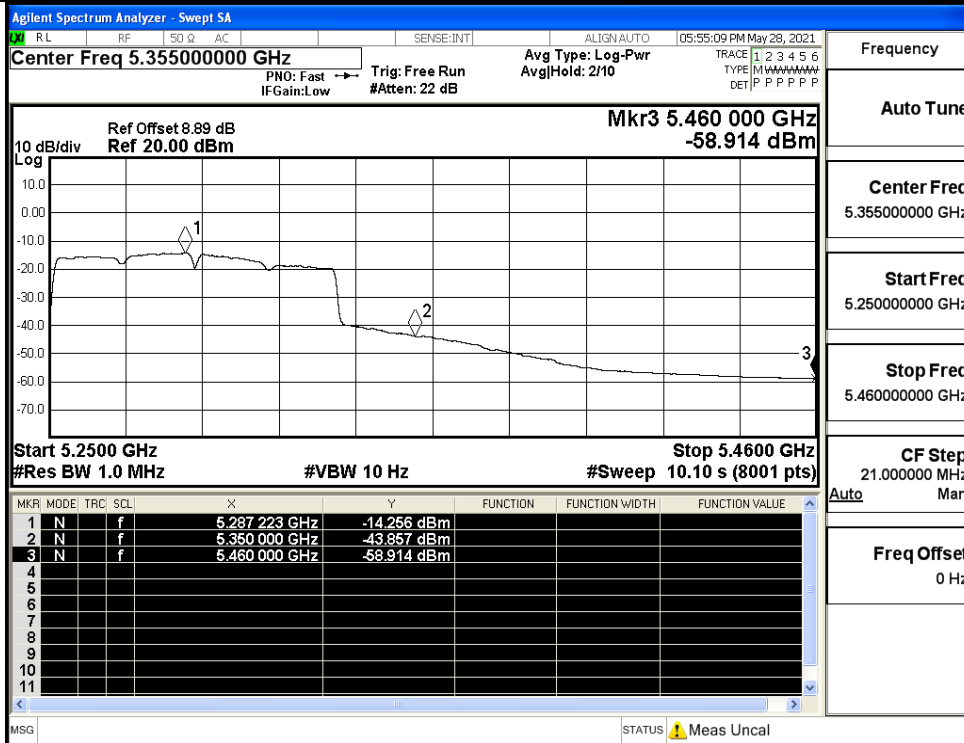
Frequency	
Auto Tune	
Center Freq	4.915000000 GHz
Start Freq	4.500000000 GHz
Stop Freq	5.330000000 GHz
CF Step	83.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Average



Frequency	
Auto Tune	
Center Freq	5.355000000 GHz
Start Freq	5.250000000 GHz
Stop Freq	5.460000000 GHz
CF Step	21.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Peak



Frequency	
Auto Tune	
Center Freq	5.355000000 GHz
Start Freq	5.250000000 GHz
Stop Freq	5.460000000 GHz
CF Step	21.000000 MHz
Auto	Man
Freq Offset	0 Hz

IEEE 802.11ac80 / Channel 42 / 5290MHz / Average