

Appendix E

RF Test Data for 5.8G WLAN (Conducted Measurement)

Product Name: Wireless Video & Audio Transmitter & Receiver Kit

Trade Mark: N/A

Test Model: JTECH-WEX200

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Lihuan
Supervised by:	Wang.Chuang

D.1 Duty Cycle

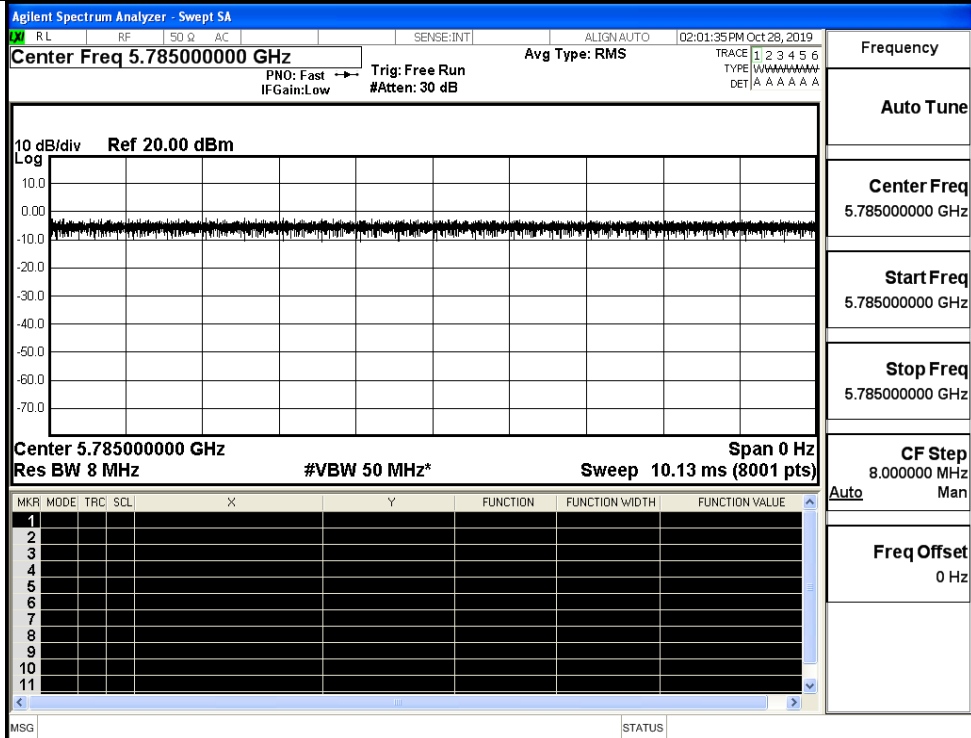
Antenna 0

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5785	100	0.00	0.01
11N20 SISO	5785	100	0.00	0.01
11N40 SISO	5755	100	0.00	0.01
11AC20 SISO	5785	100	0.00	0.01
11AC40 SISO	5755	100	0.00	0.01
11AC80 SISO	5775	100	0.00	0.01

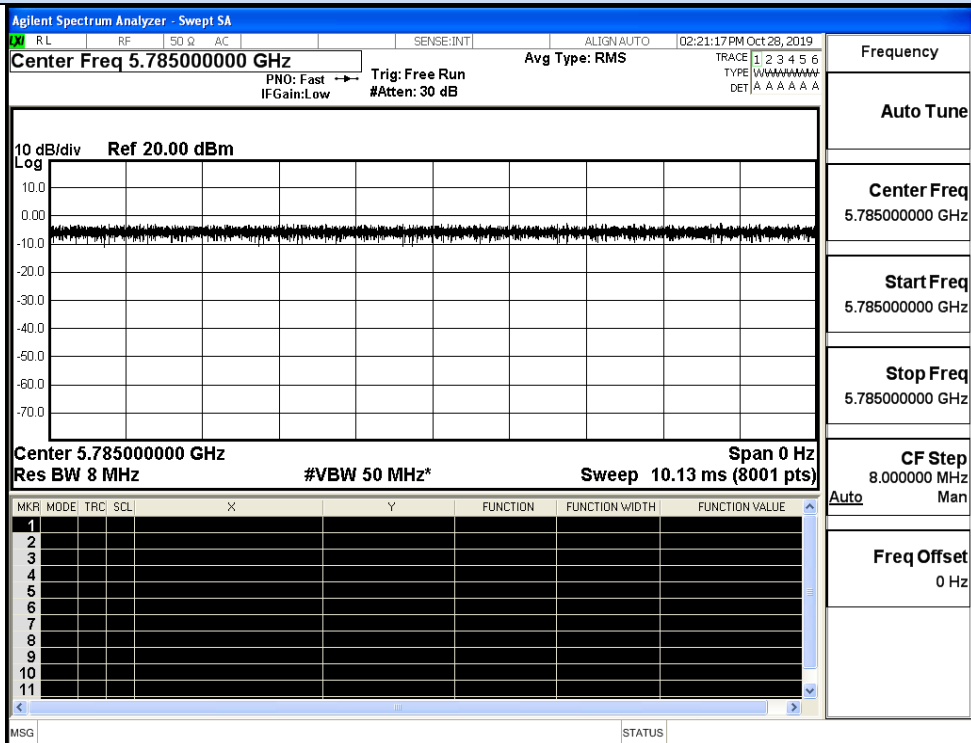
Antenna 1

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5785	100	0.00	0.01
11N20 SISO	5785	100	0.00	0.01
11N40 SISO	5755	100	0.00	0.01
11AC20 SISO	5785	100	0.00	0.01
11AC40 SISO	5755	100	0.00	0.01
11AC80 SISO	5775	100	0.00	0.01

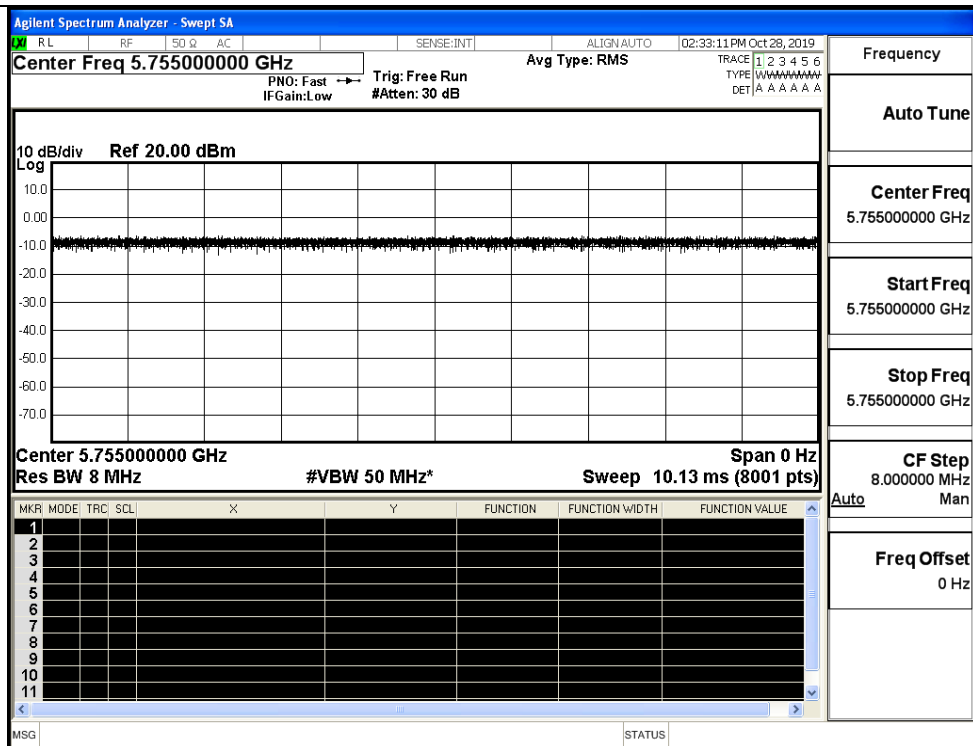
On Time and Duty Cycle(Antenna 0)



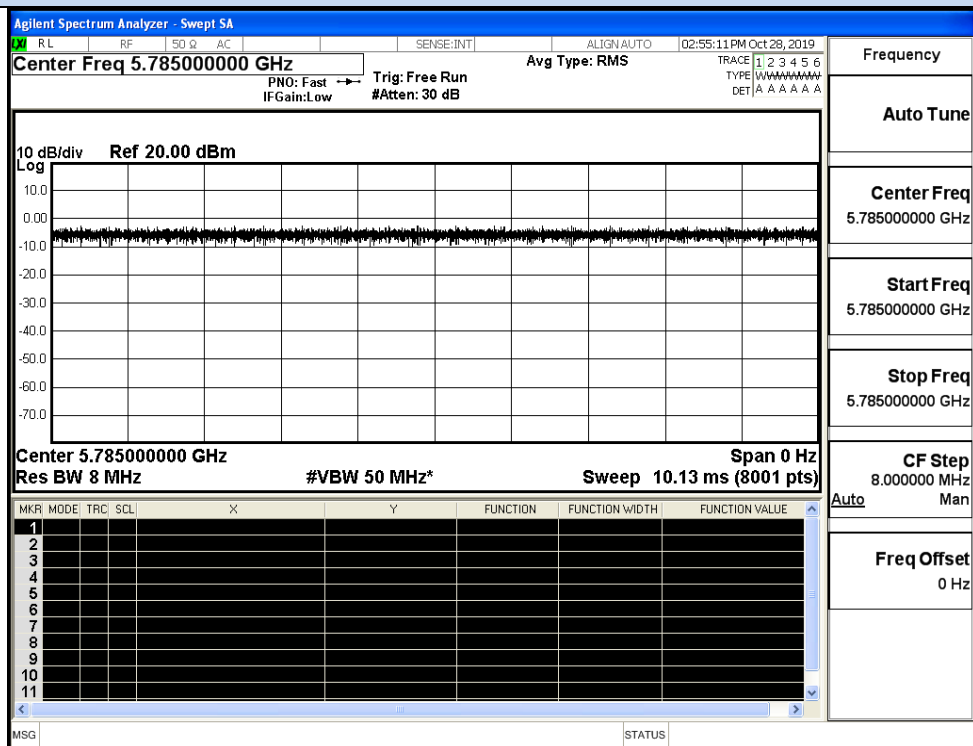
IEEE 802.11a



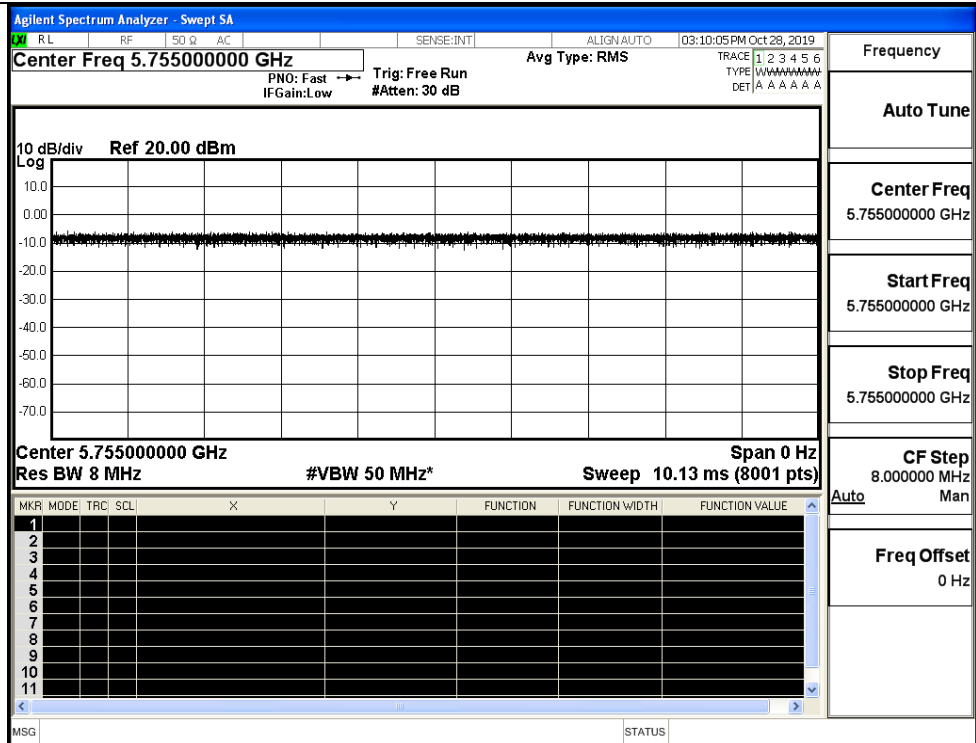
IEEE 802.11n HT20



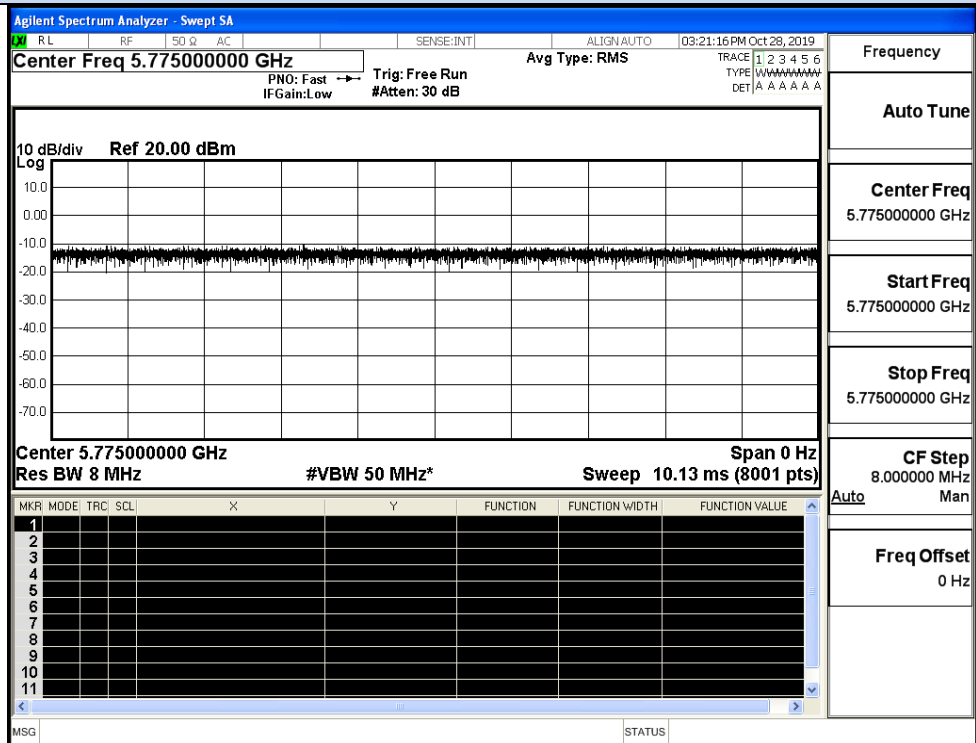
IEEE 802.11n HT40



IEEE 802.11AC20

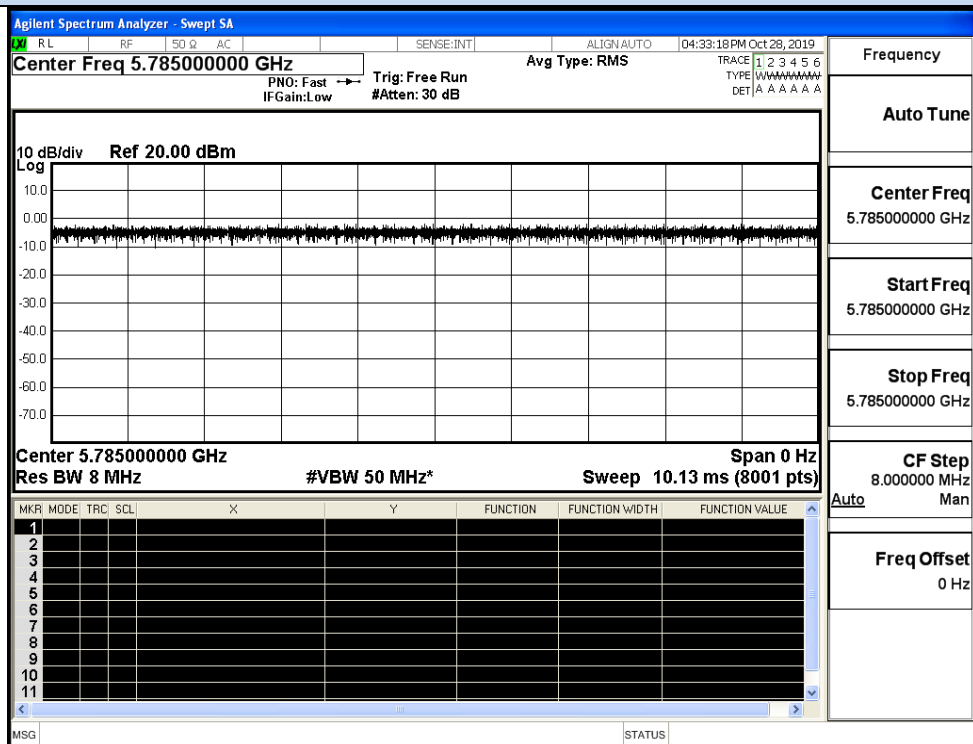


IEEE 802.11AC40

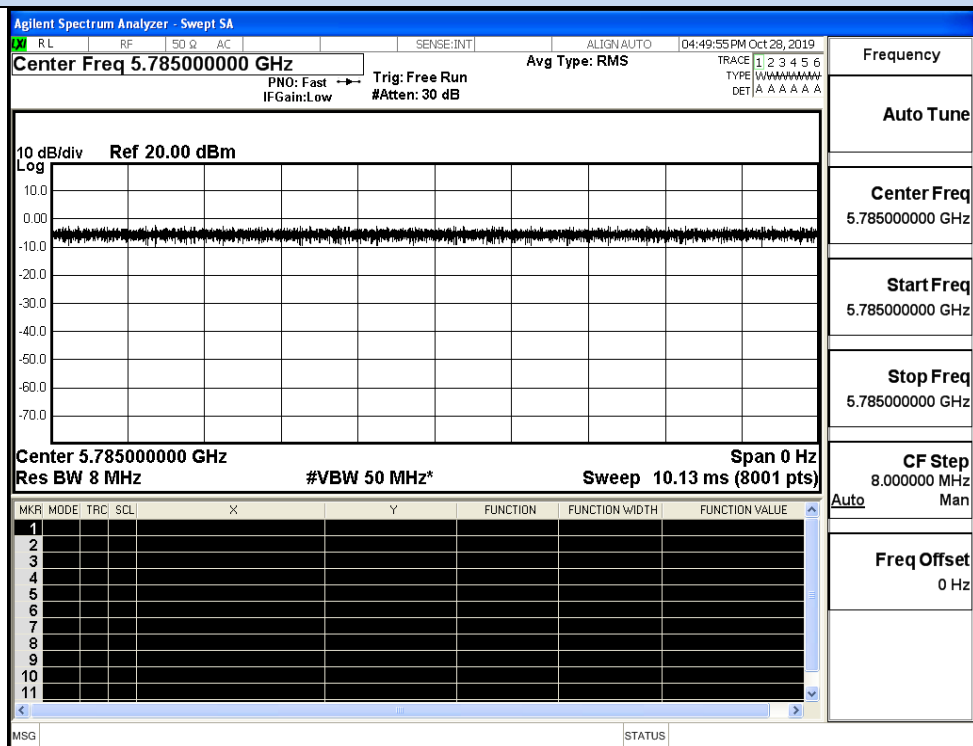


IEEE 802.11AC80

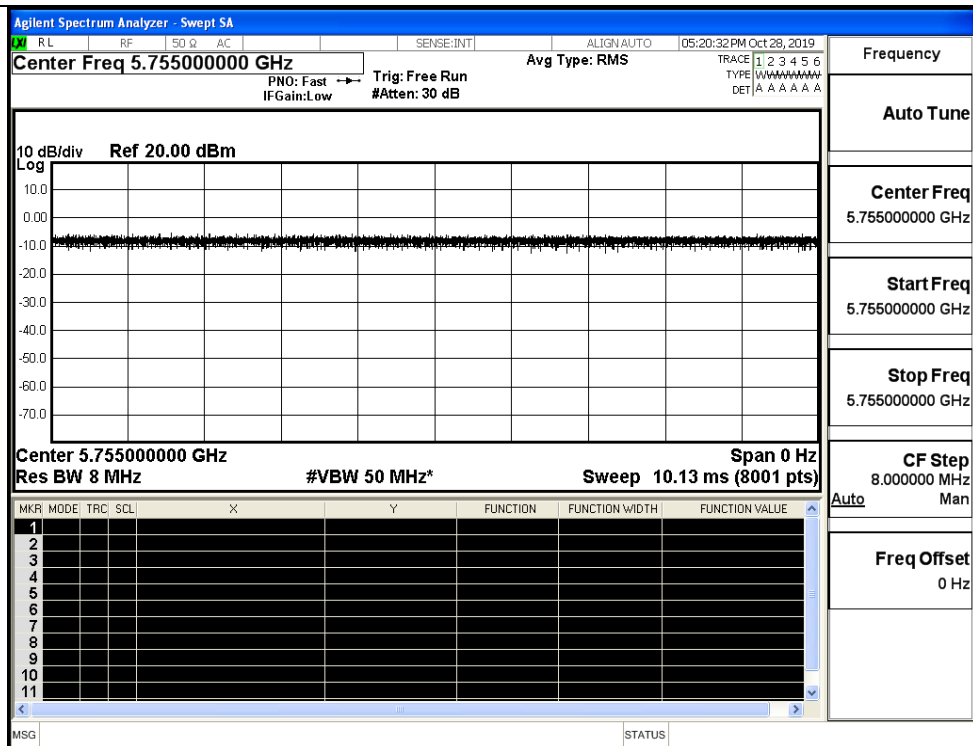
On Time and Duty Cycle(Antenna 1)



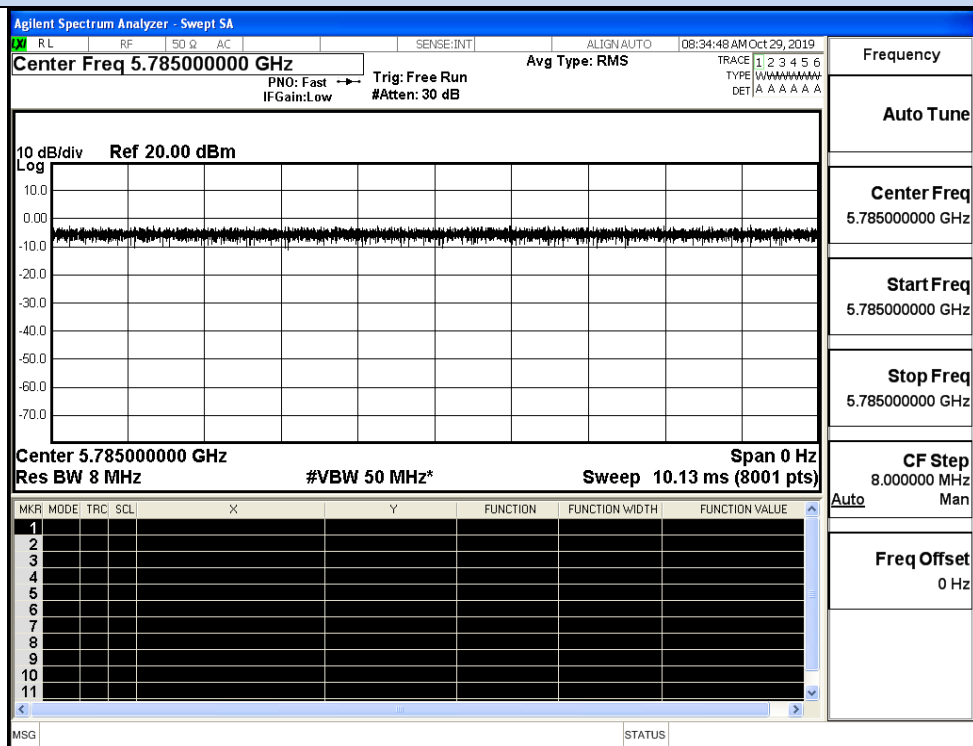
IEEE 802.11a



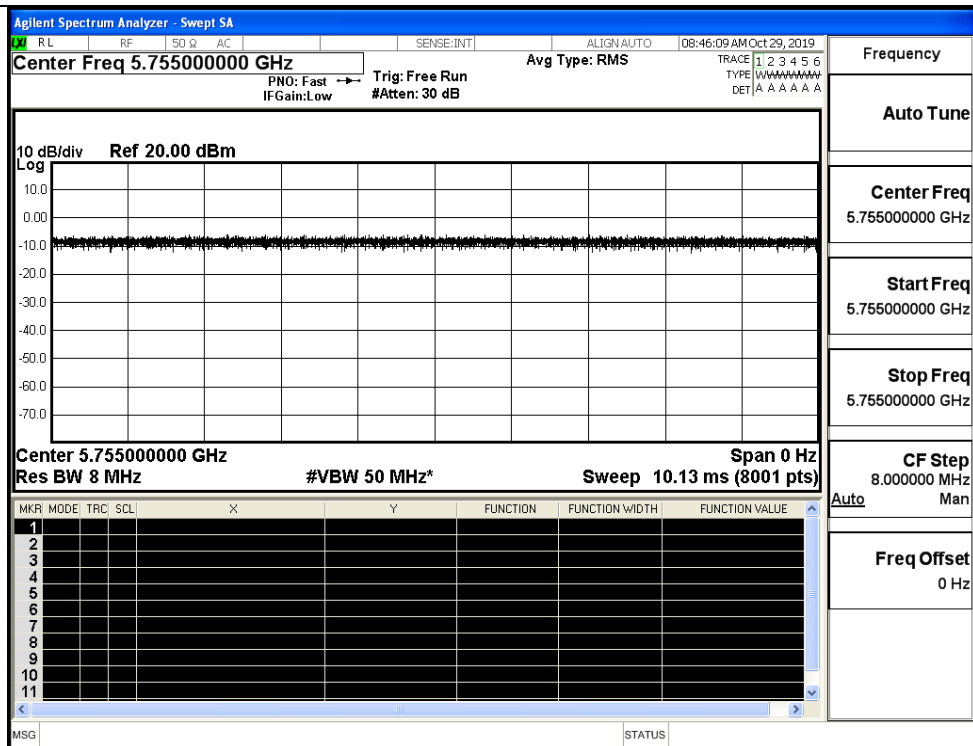
IEEE 802.11n HT20



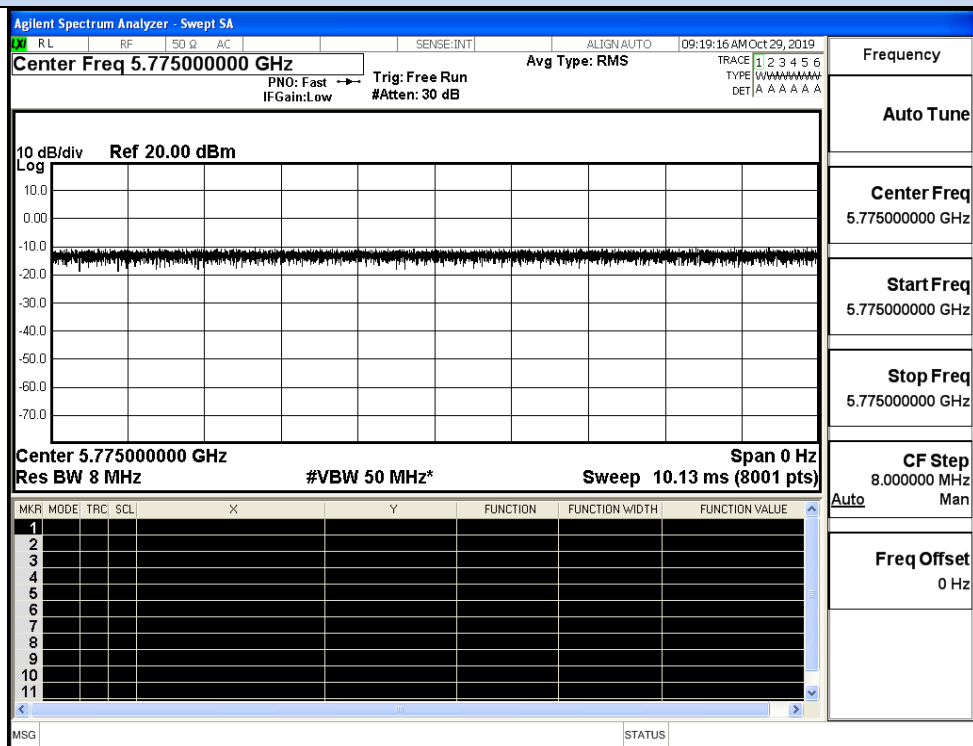
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11AC40



IEEE 802.11AC80

D.2 Maximum Conduct Output Power

Antenna 0

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	149	5745	11.24	0	11.24	30	Pass
	157	5785	11.41	0	11.41		Pass
	165	5825	11.21	0	11.21		Pass
11N20 SISO	149	5745	11.46	0	11.46	30	Pass
	157	5785	11.68	0	11.68		Pass
	165	5825	11.39	0	11.39		Pass
11N40 SISO	151	5755	12.22	0	12.22	30	Pass
	159	5795	12.41	0	12.41		Pass
11AC20 SISO	149	5745	11.55	0	11.55	30	Pass
	157	5785	11.72	0	11.72		Pass
	165	5825	11.51	0	11.51		Pass
11AC40 SISO	151	5755	12.32	0	12.32	30	Pass
	159	5795	12.4	0	12.4		Pass
11AC80 SISO	155	5775	11.39	0	11.39	30	Pass

Antenna 1

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	149	5745	11.63	0	11.63	30	Pass
	157	5785	11.88	0	11.88		Pass
	165	5825	11.59	0	11.59		Pass
11N20 SISO	149	5745	11.79	0	11.79	30	Pass
	157	5785	11.93	0	11.93		Pass
	165	5825	11.7	0	11.7		Pass
11N40 SISO	151	5755	12.63	0	12.63	30	Pass
	159	5795	12.7	0	12.7		Pass
11AC20 SISO	149	5745	11.9	0	11.9	30	Pass
	157	5785	11.76	0	11.76		Pass
	165	5825	11.28	0	11.28		Pass
11AC40 SISO	151	5755	12.05	0	12.05	30	Pass
	159	5795	11.98	0	11.98		Pass
11AC80 SISO	155	5775	12.69	0	12.69	30	Pass

ANT0+ANT1:

Test Mode	Channel	Frequency (MHz)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)			Limit (dBm)	Verdict
				Ant0	Ant1	Sum		
11N20 MIMO	149	5745	0	11.46	11.79	14.64	27.99	Pass
	157	5785	0	11.68	11.93	14.82		Pass
	165	5825	0	11.39	11.7	14.56		Pass
11N40 MIMO	151	5755	0	12.22	12.63	15.44	27.99	Pass
	159	5795	0	12.41	12.7	15.57		Pass
11AC20 MIMO	149	5745	0	11.55	11.9	14.74	27.99	Pass
	157	5785	0	11.72	11.76	14.75		Pass
	165	5825	0	11.51	11.28	14.41		Pass
11AC40 MIMO	151	5755	0	12.32	12.05	15.20	27.99	Pass
	159	5795	0	12.4	11.98	15.21		Pass
11AC80 MIMO	155	5775	0	11.39	12.69	15.10	27.99	Pass

D.3 Power Spectral Density**Antenna 0**

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/300KHz)	Limit (dBm/500KHz)	Verdict
11A	149	5745	-2.59	0	2.218	-0.37	30	Pass
	157	5785	-2.65	0	2.218	-0.44		Pass
	165	5825	-2.58	0	2.218	-0.36		Pass
11N20 SISO	149	5745	-2.53	0	2.218	-0.31	30	Pass
	157	5785	-2.22	0	2.218	0.00		Pass
	165	5825	-2.79	0	2.218	-0.57		Pass
11N40 SISO	151	5755	-4.22	0	2.218	-2.01	30	Pass
	159	5795	-4.38	0	2.218	-2.16		Pass
11AC20 SISO	149	5745	-2.70	0	2.218	-0.48	30	Pass
	157	5785	-3.21	0	2.218	-1.00		Pass
	165	5825	-2.65	0	2.218	-0.43		Pass
11AC40 SISO	151	5755	-4.08	0	2.218	-1.87	30	Pass
	159	5795	-4.05	0	2.218	-1.83		Pass
11AC80 SISO	155	5775	-6.73	0	2.218	-4.51	30	Pass

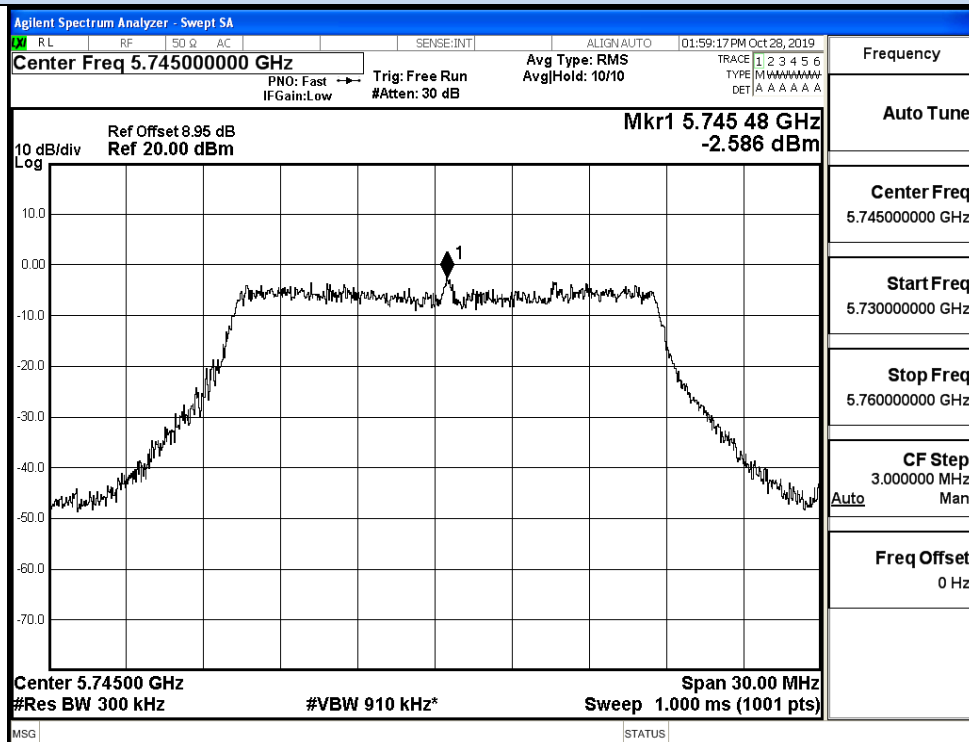
Antenna 1

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/300KHz)	Limit (dBm/500KHz)	Verdict
11A	149	5745	-2.17	0	2.218	0.05	30	Pass
	157	5785	-2.63	0	2.218	-0.42		Pass
	165	5825	-2.58	0	2.218	-0.36		Pass
11N20 SISO	149	5745	-2.51	0	2.218	-0.29	30	Pass
	157	5785	-2.44	0	2.218	-0.22		Pass
	165	5825	-2.59	0	2.218	-0.37		Pass
11N40 SISO	151	5755	-4.30	0	2.218	-2.09	30	Pass
	159	5795	-4.05	0	2.218	-1.83		Pass
11AC20 SISO	149	5745	-3.12	0	2.218	-0.90	30	Pass
	157	5785	-2.60	0	2.218	-0.38		Pass
	165	5825	-2.76	0	2.218	-0.55		Pass
11AC40 SISO	151	5755	-4.60	0	2.218	-2.38	30	Pass
	159	5795	-4.50	0	2.218	-2.28		Pass
11AC80 SISO	155	5775	-5.73	0	2.218	-3.52	30	Pass

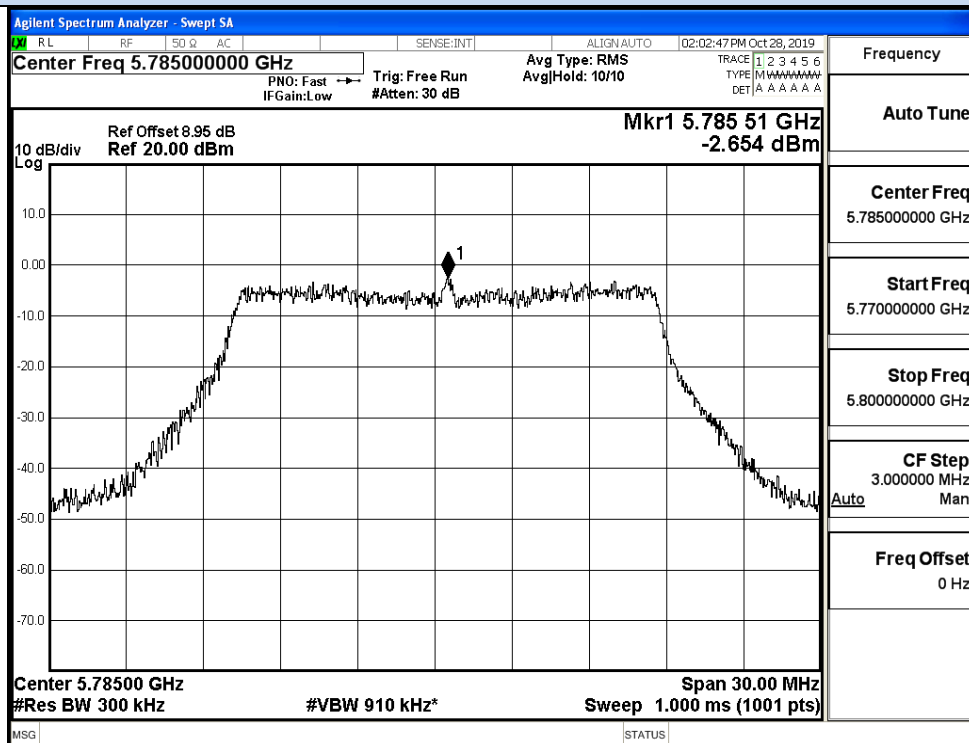
ANT0+ANT1:

Test Mode	Channel	Frequency (MHz)	Duty Cycle Factor (dB)	Report Power Density (dBm/500KHz)			Limit (dBm)	Verdict
				Ant0	Ant1	Sum		
11N20 MIMO	149	5745	0	-0.31	-0.29	2.71	27.99	Pass
	157	5785	0	0.00	-0.22	2.90		Pass
	165	5825	0	-0.57	-0.37	2.54		Pass
11N40 MIMO	151	5755	0	-2.01	-2.09	0.96	27.99	Pass
	159	5795	0	-2.16	-1.83	1.02		Pass
11AC20 MIMO	149	5745	0	-0.48	-0.90	2.33	27.99	Pass
	157	5785	0	-1.00	-0.38	2.33		Pass
	165	5825	0	-0.43	-0.55	2.52		Pass
11AC40 MIMO	151	5755	0	-1.87	-2.38	0.89	27.99	Pass
	159	5795	0	-1.83	-2.28	0.96		Pass
11AC80 MIMO	155	5775	0	-4.51	-3.52	-0.98	27.99	Pass

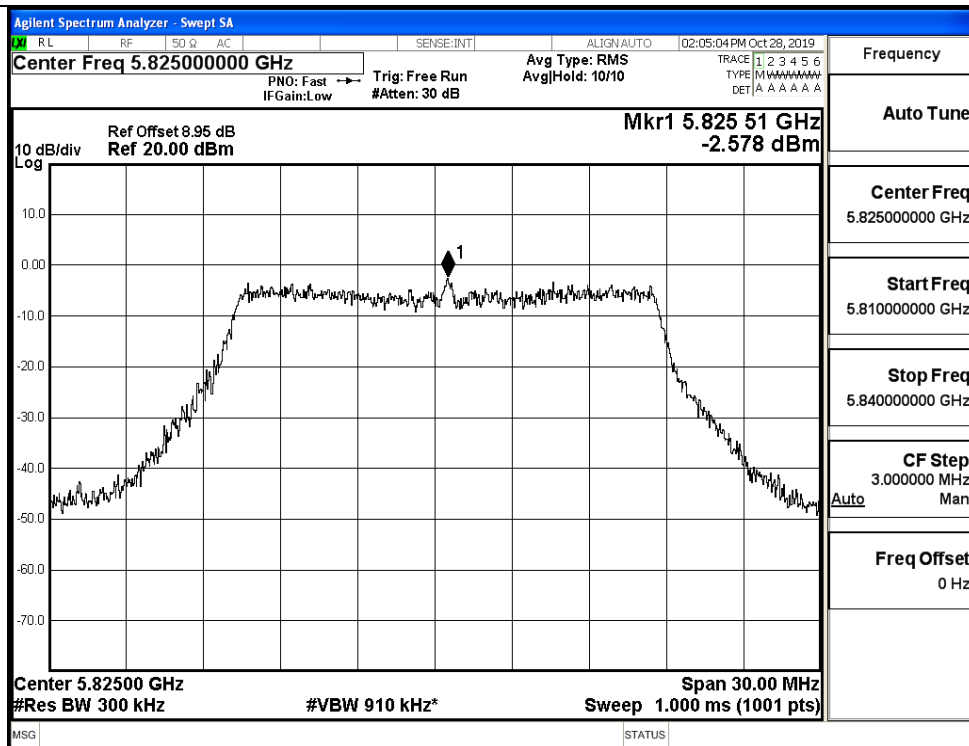
Power Spectral Density(Antenna 0)



IEEE 802.11a / Channel 149 / 5745MHz

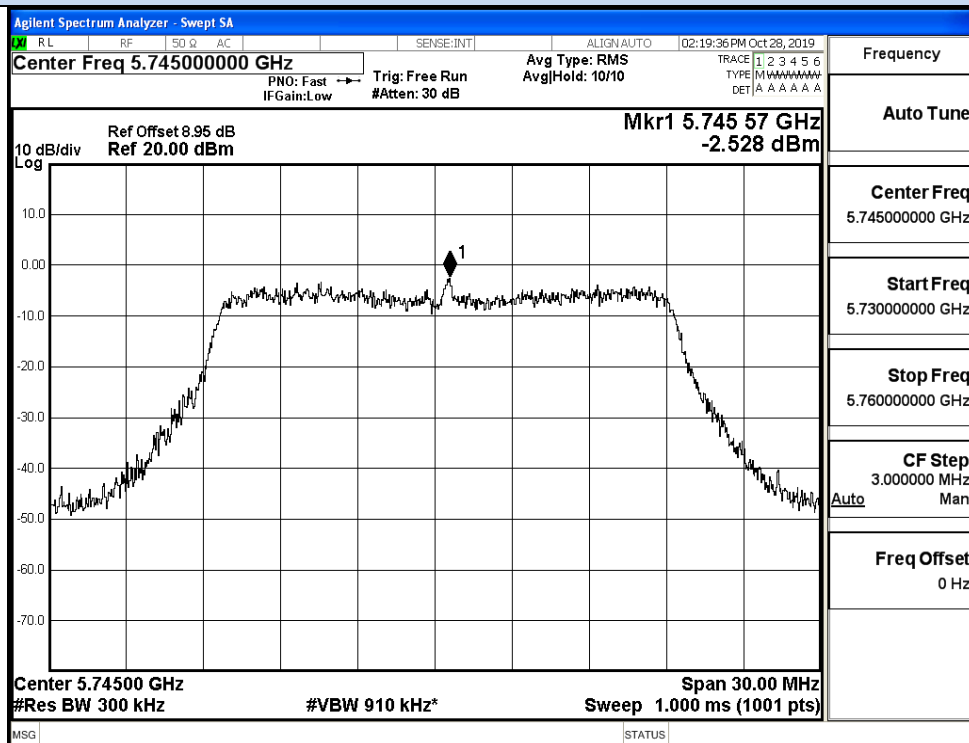


IEEE 802.11a / Channel 157 / 5785MHz

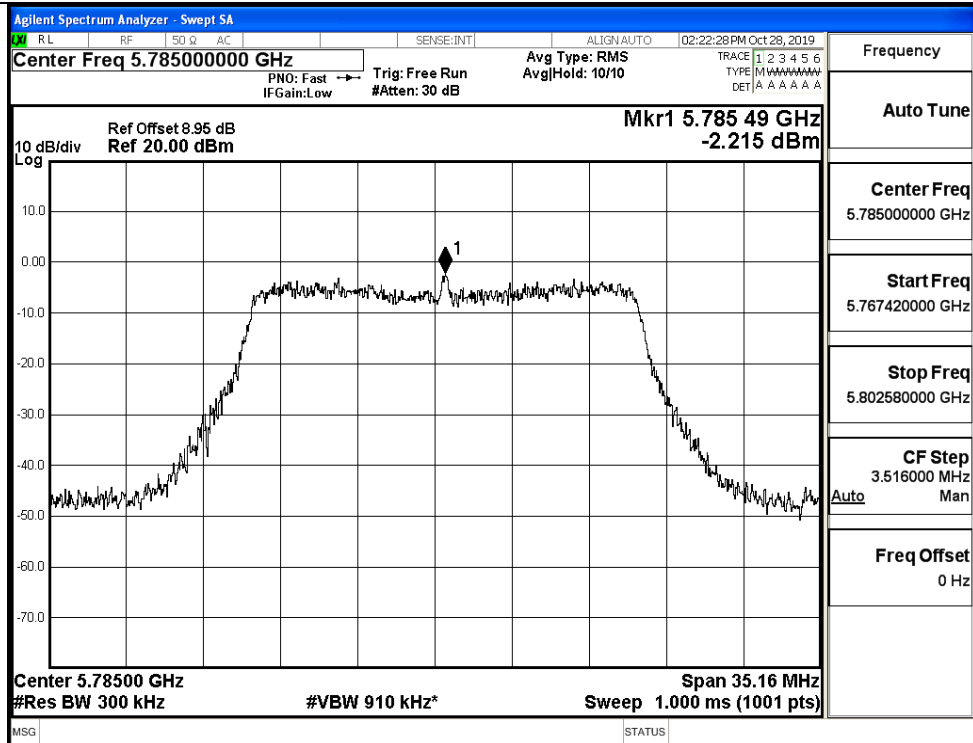


IEEE 802.11na / Channel 165 / 5825MHz

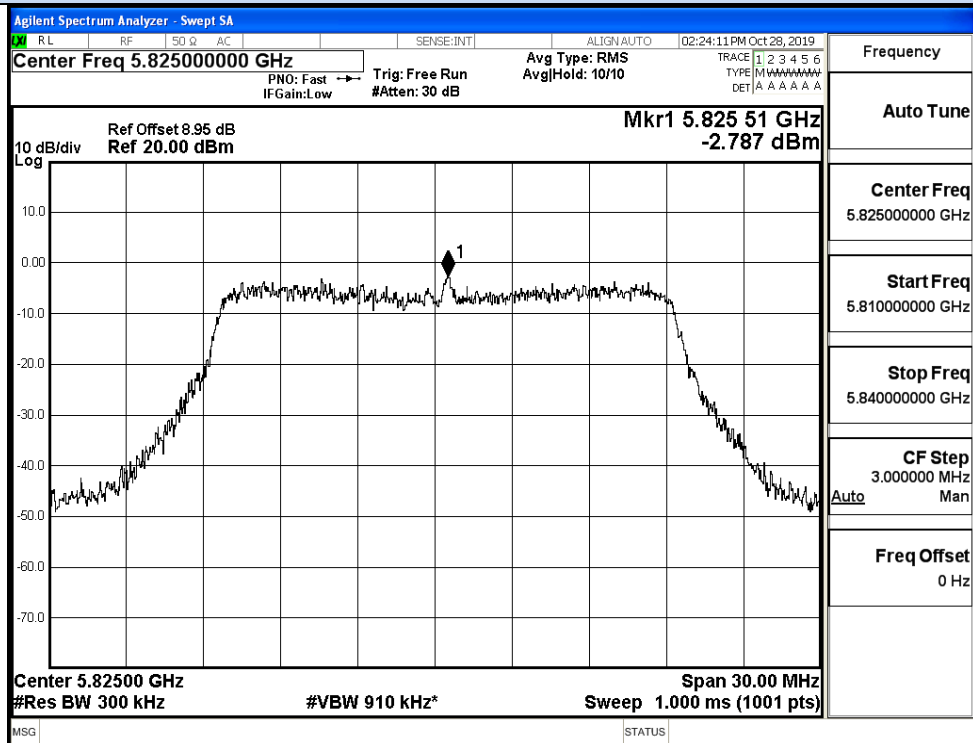
Power Spectral Density(Antenna 0)



IEEE 802.11n20 / Channel 149 / 5745MHz

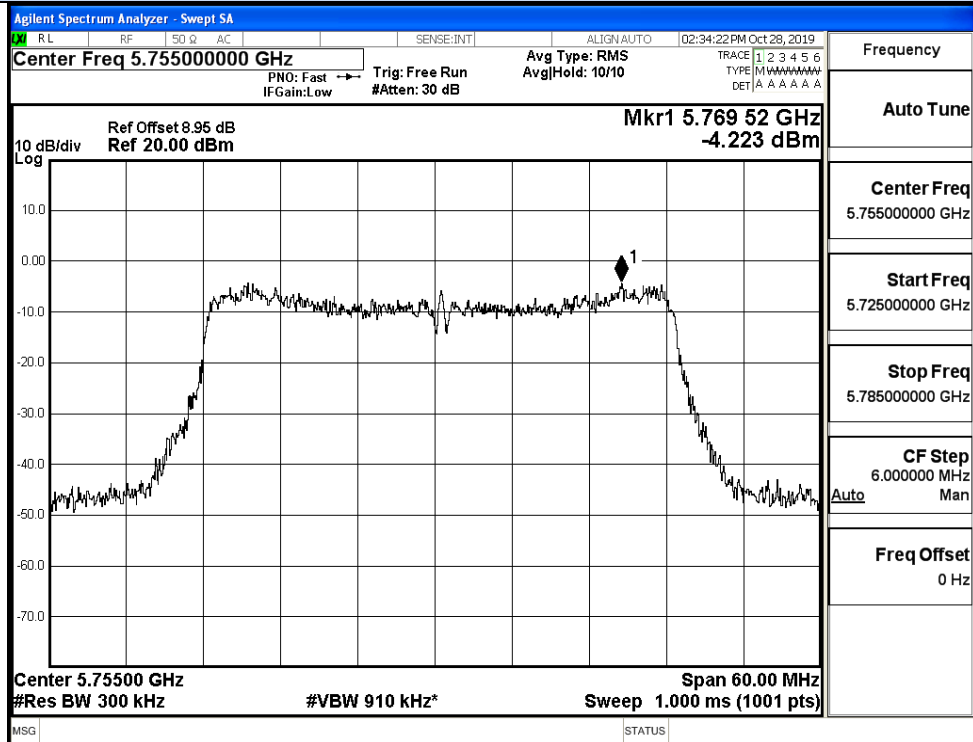


IEEE 802.11n20 / Channel 157 / 5785MHz

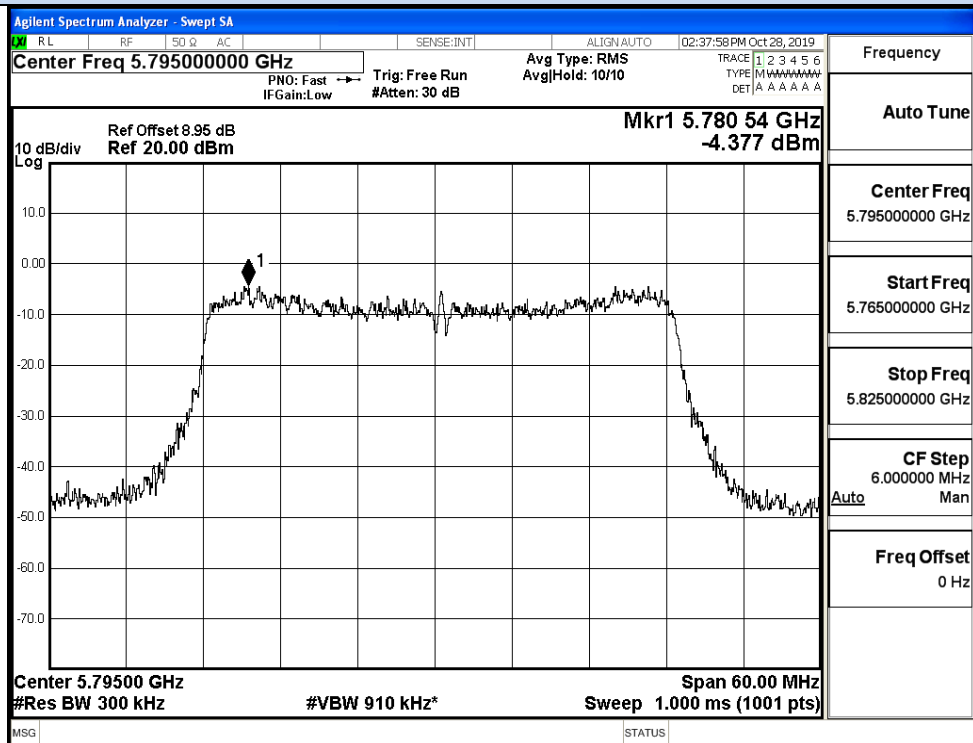


IEEE 802.11n20 / Channel 165 / 5825MHz

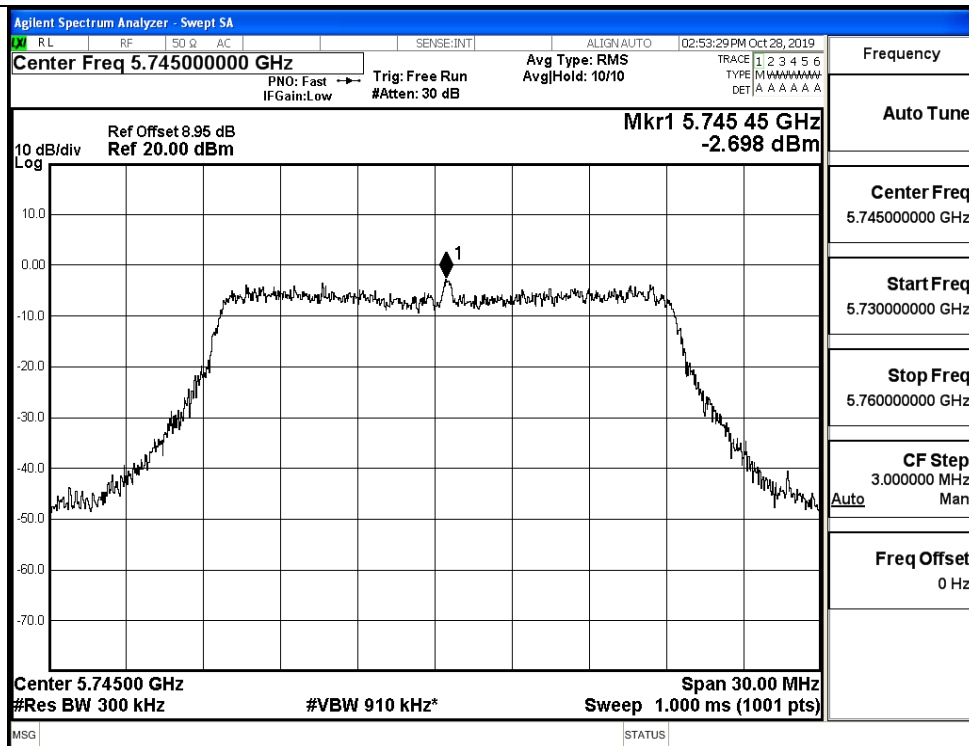
Power Spectral Density(Antenna 0)



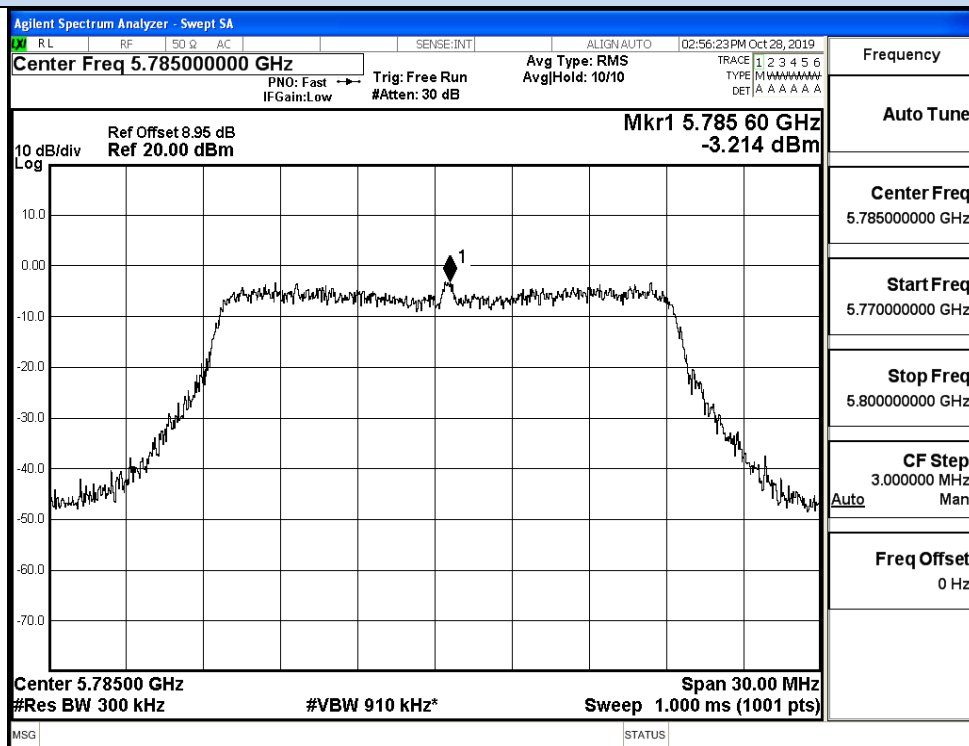
IEEE 802.11n40 / Channel 151 / 5755MHz



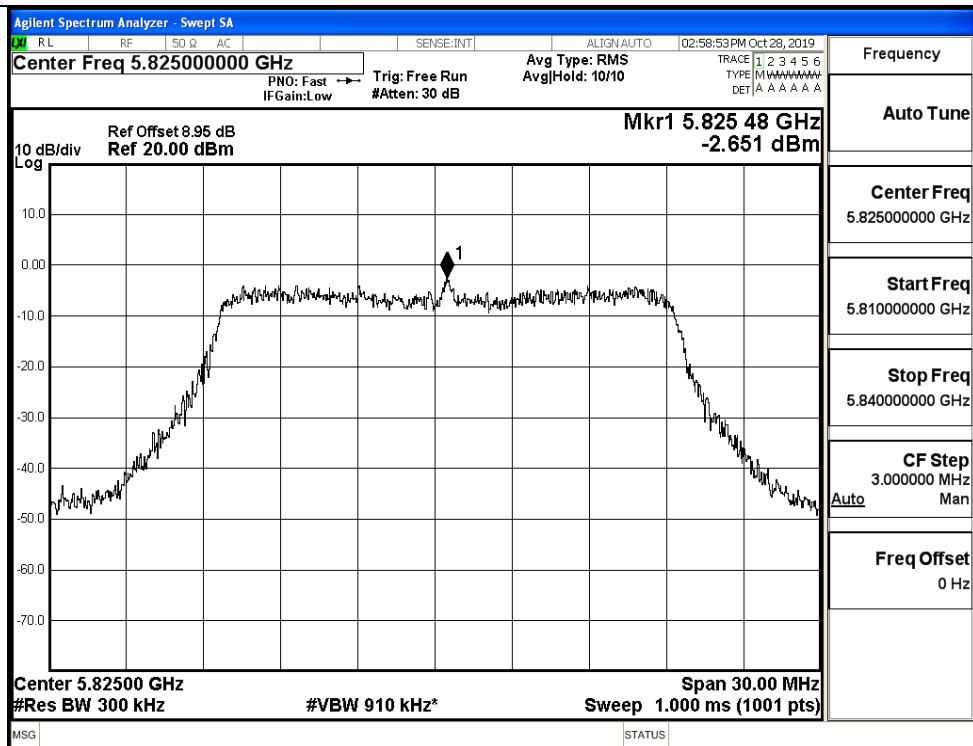
IEEE 802.11n40 / Channel 159 / 5795MHz



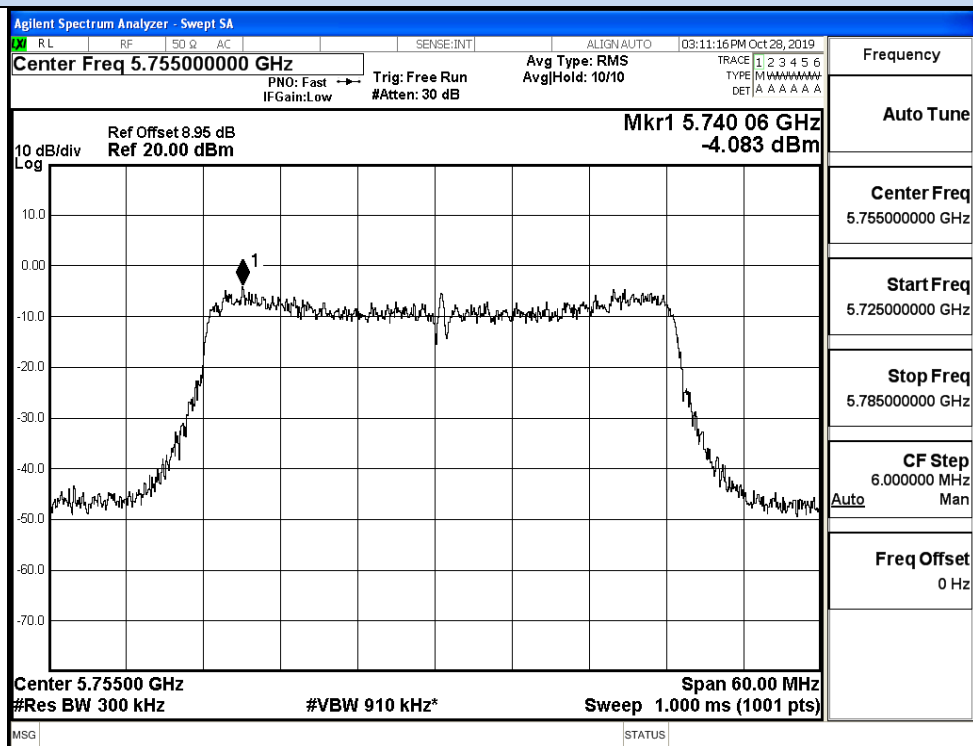
IEEE 802.11ac20 / Channel 149 / 5745MHz



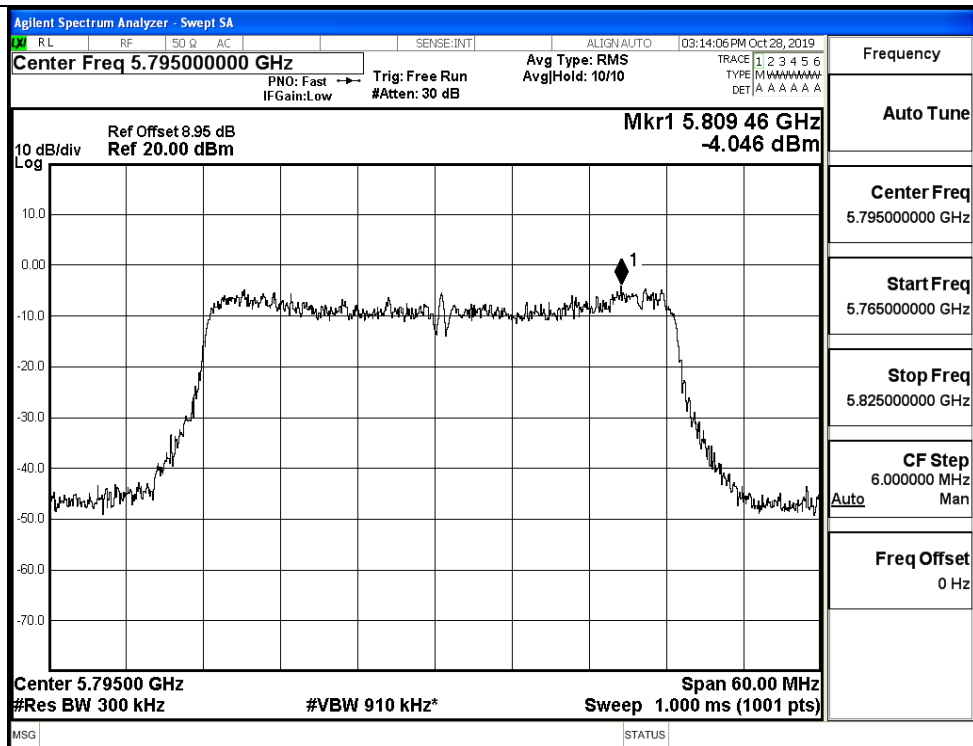
IEEE 802.11ac20 / Channel 157 / 5785MHz



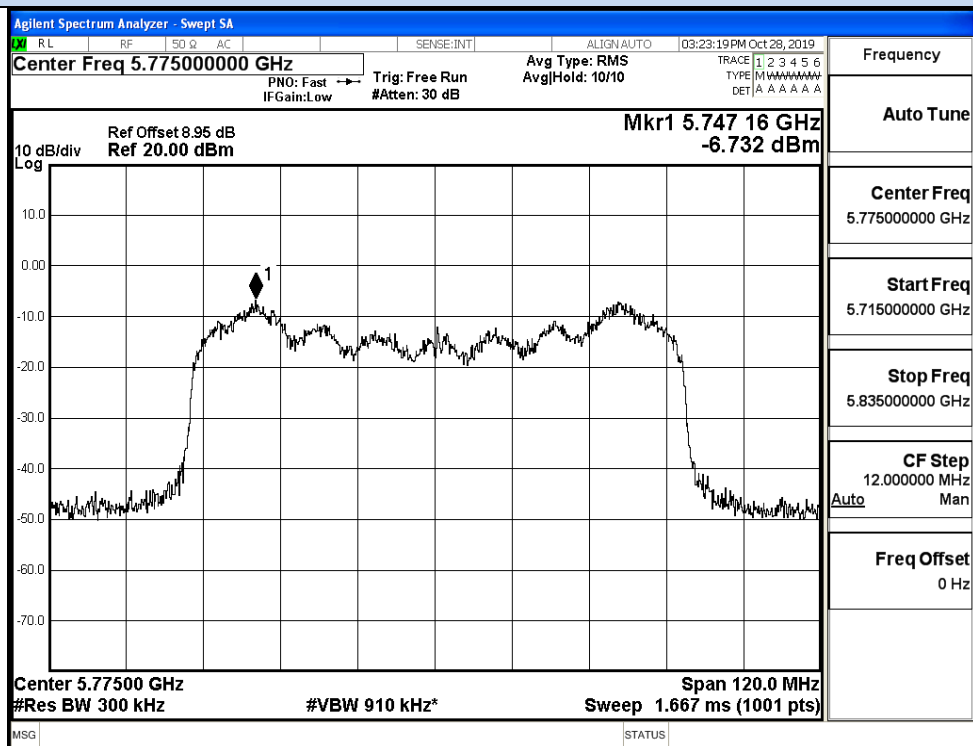
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz

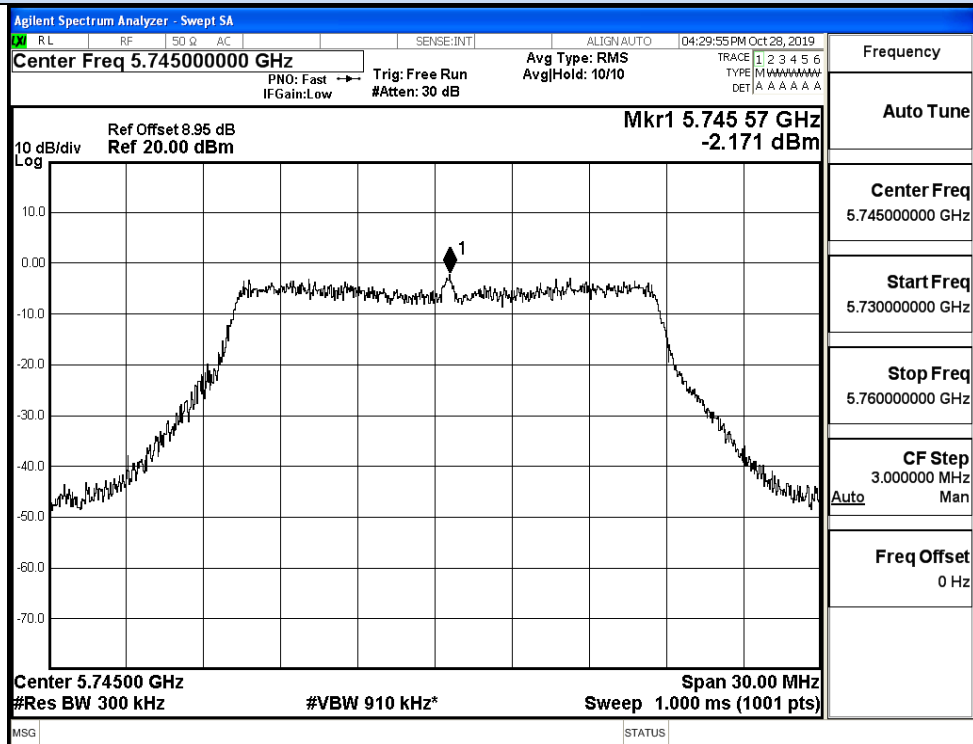


IEEE 802.11ac40 / Channel 159 / 5795MHz

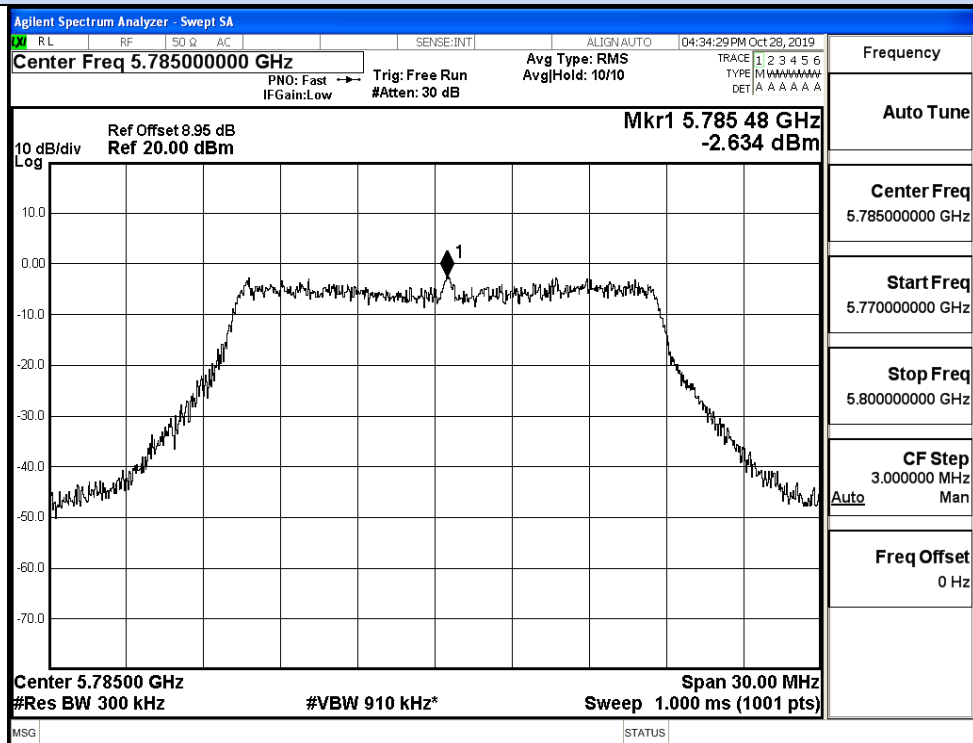


IEEE 802.11ac80 / Channel 155/ 5775MHz

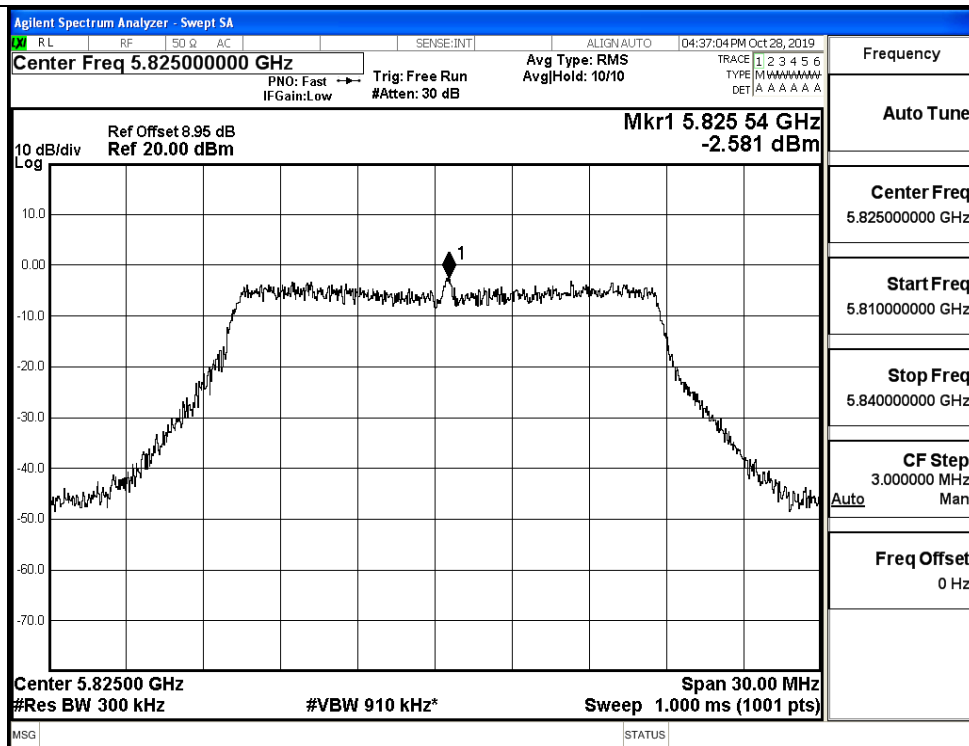
Power Spectral Density(Antenna 1)



IEEE 802.11a / Channel 149 / 5745MHz

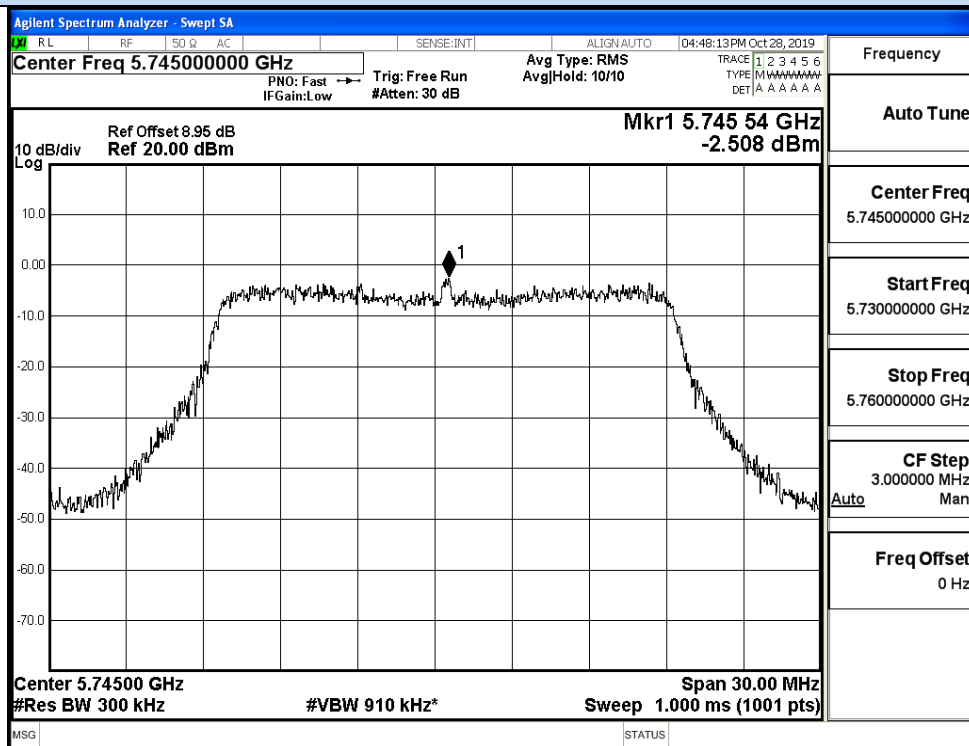


IEEE 802.11na / Channel 157 / 5785MHz

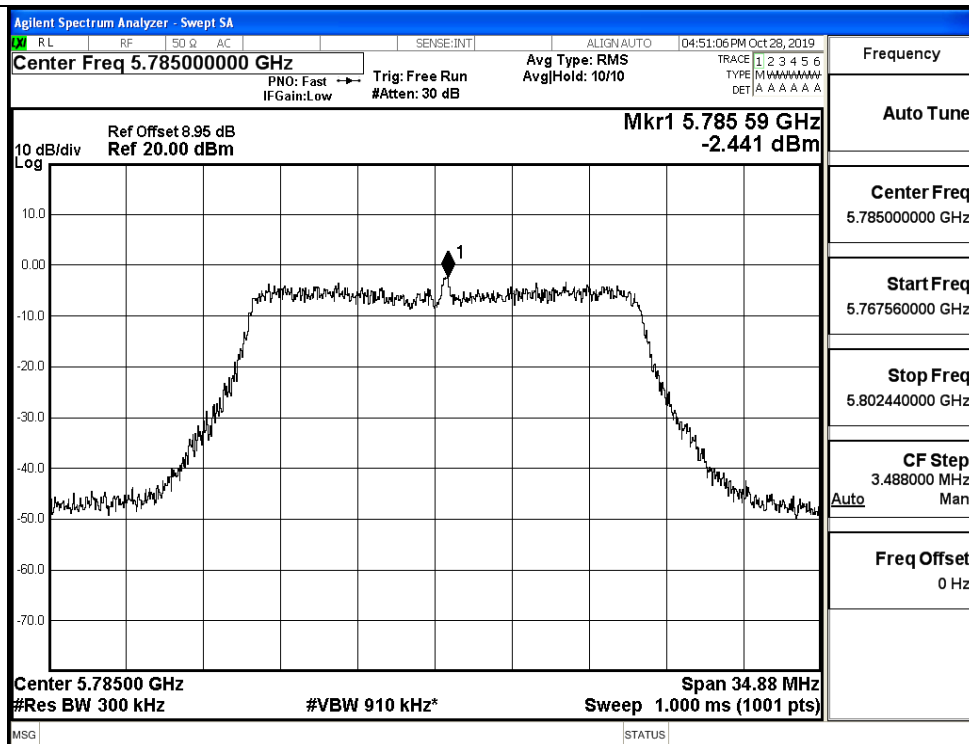


IEEE 802.11na / Channel 165 / 5825MHz

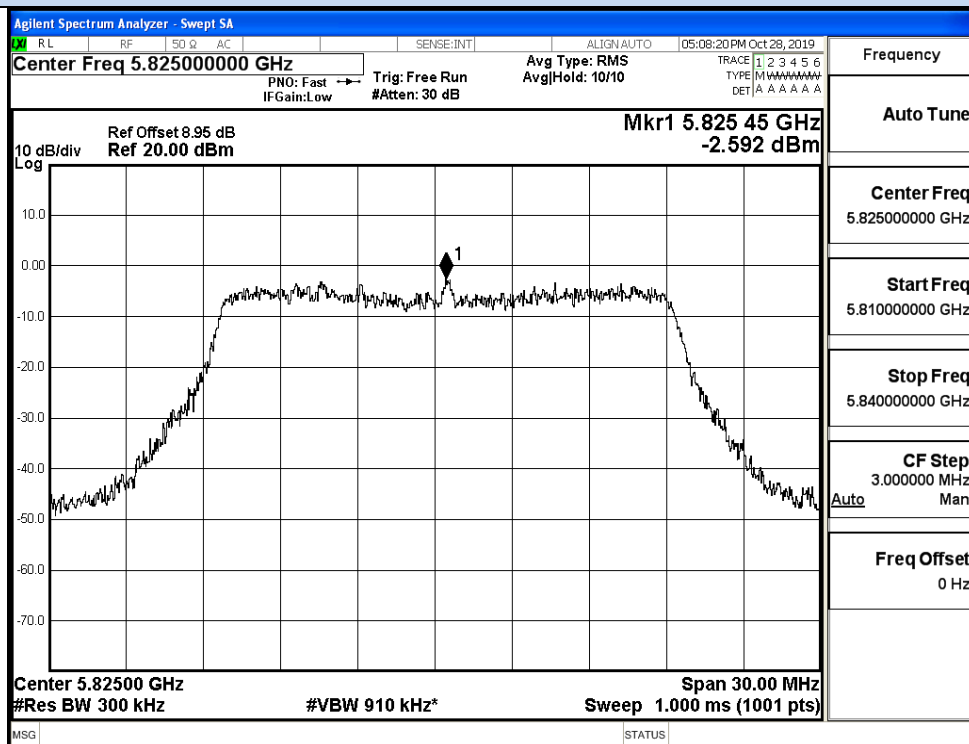
Power Spectral Density(Antenna 1)



IEEE 802.11n20 / Channel 149 / 5745MHz

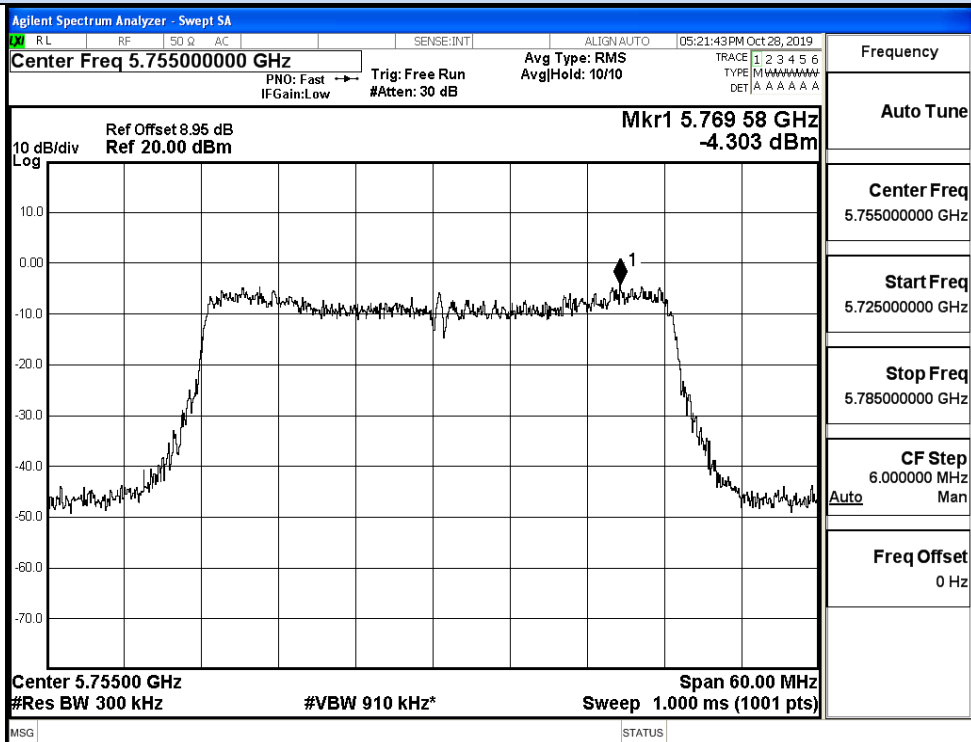


IEEE 802.11n20 / Channel 157 / 5785MHz

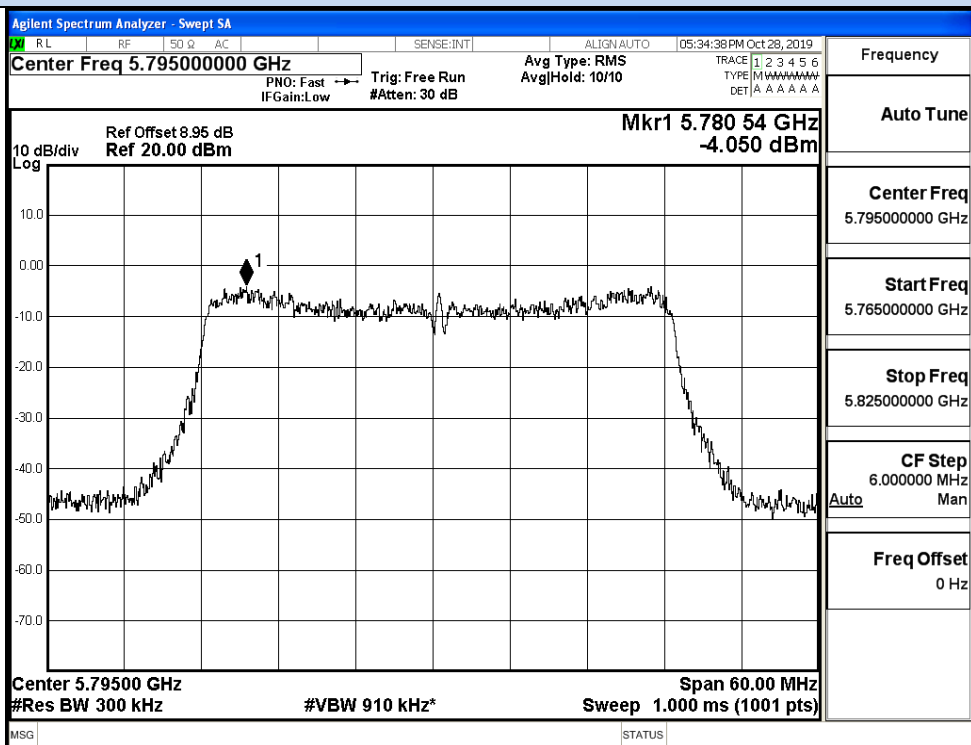


IEEE 802.11n20 / Channel 165 / 5825MHz

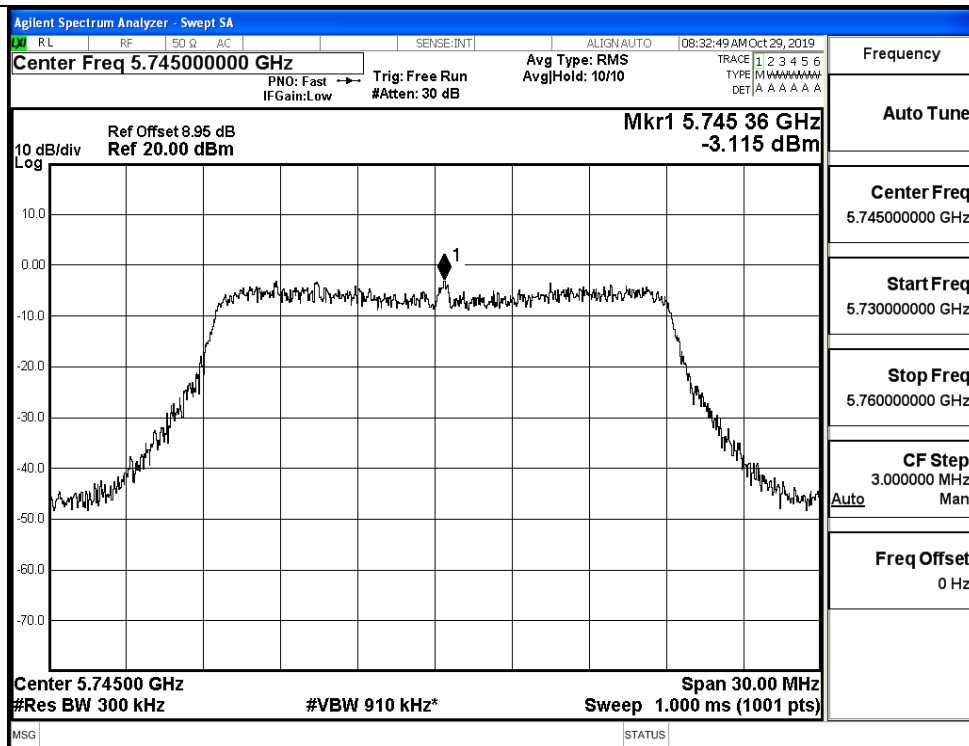
Power Spectral Density(Antenna 1)



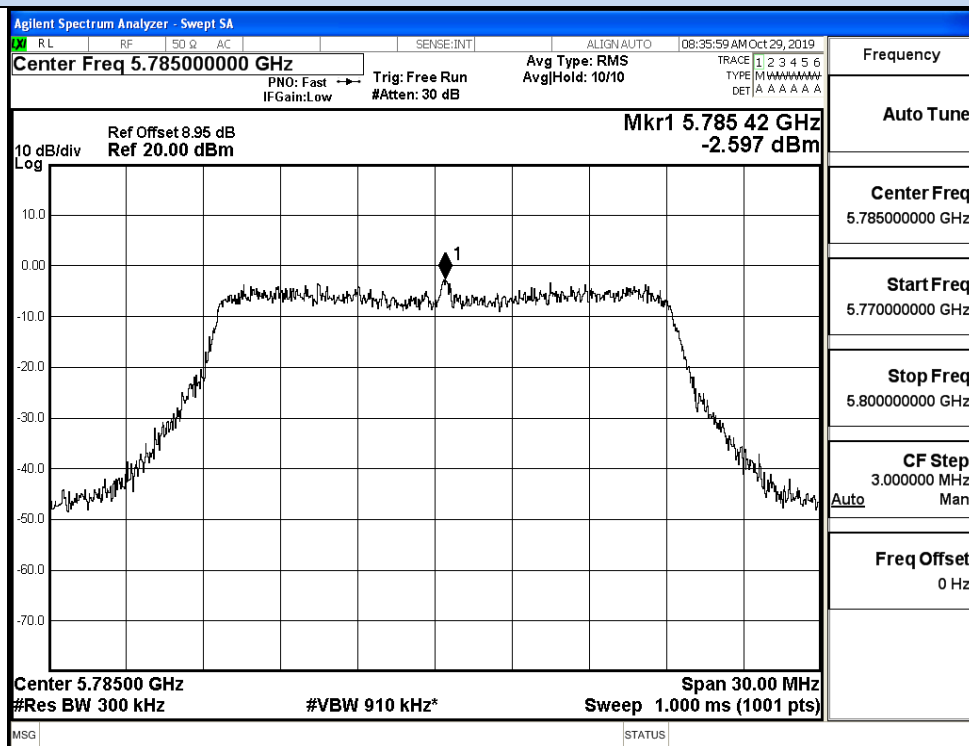
IEEE 802.11n40 / Channel 151 / 5755MHz



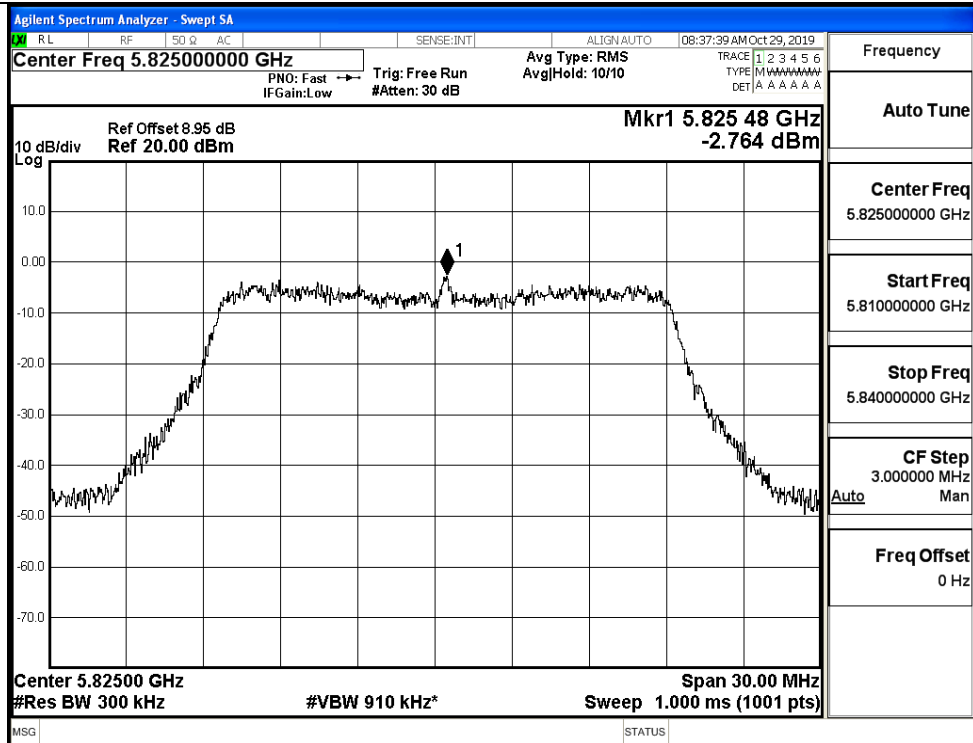
IEEE 802.11n40 / Channel 159 / 5795MHz



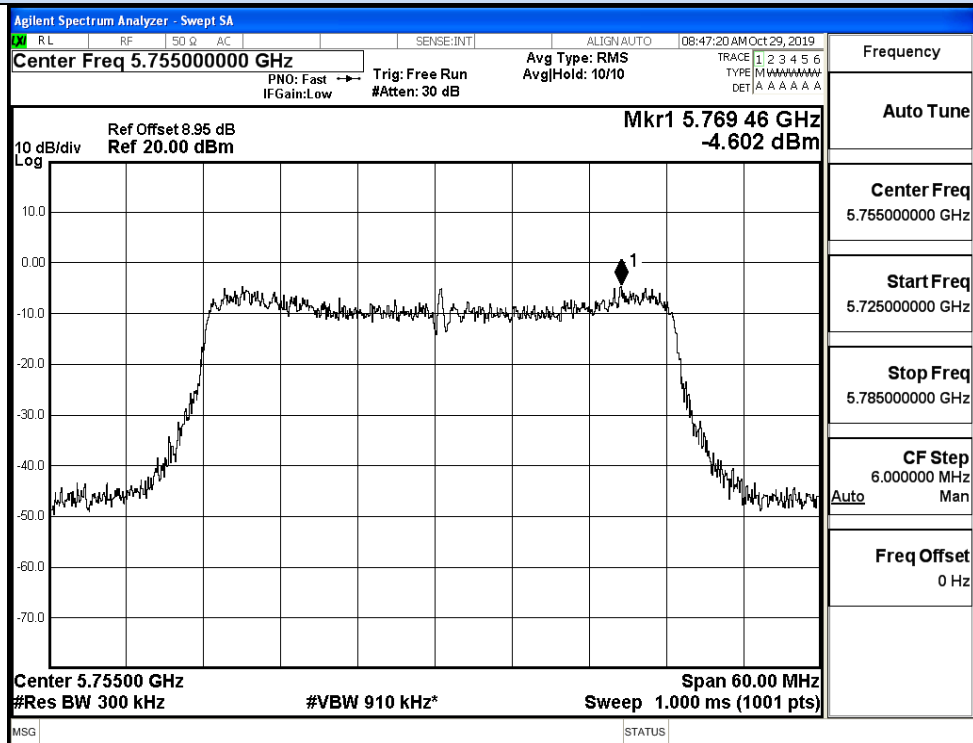
IEEE 802.11ac20 / Channel 149 / 5745MHz



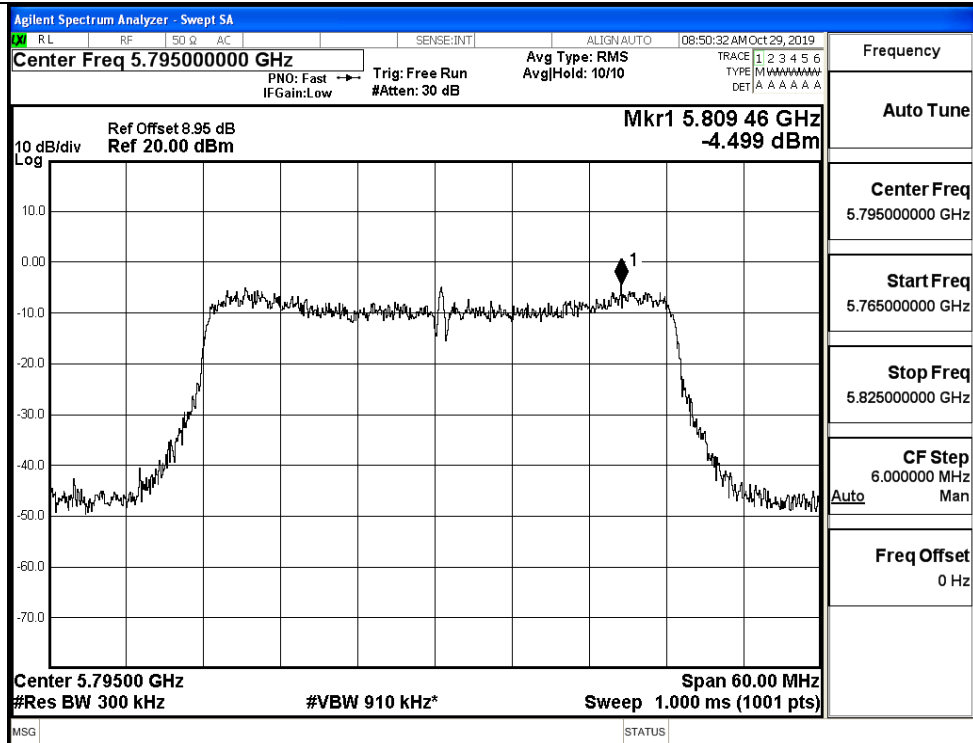
IEEE 802.11ac20 / Channel 157 / 5785MHz



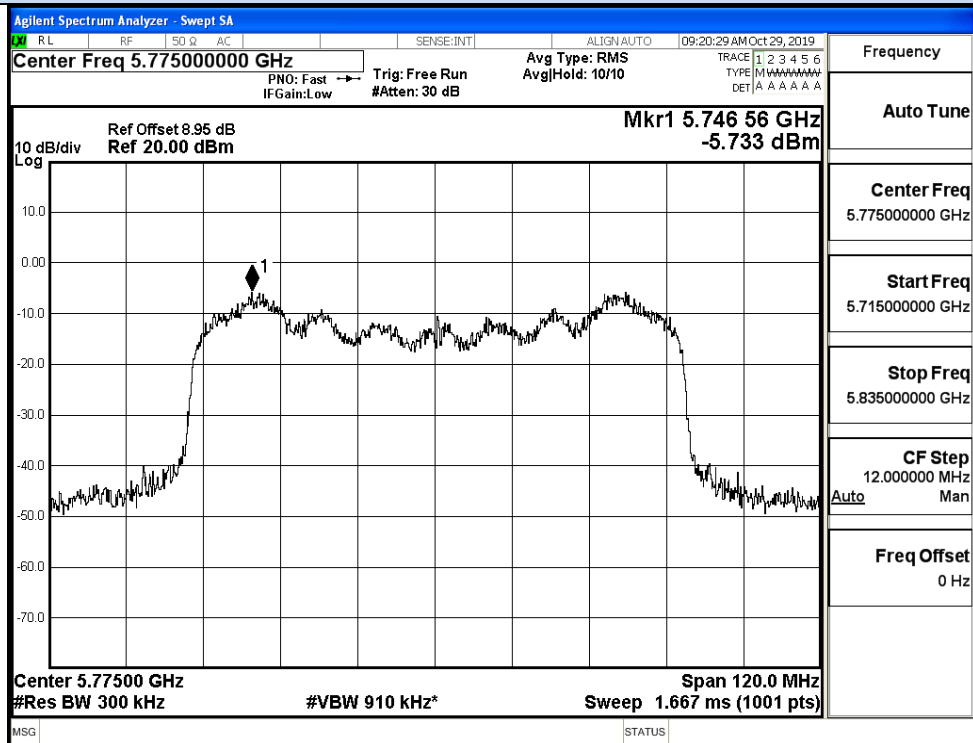
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz



IEEE 802.11ac40 / Channel 159 / 5795MHz



IEEE 802.11ac80 / Channel 155/ 5775MHz

D.4 Emission Bandwidth

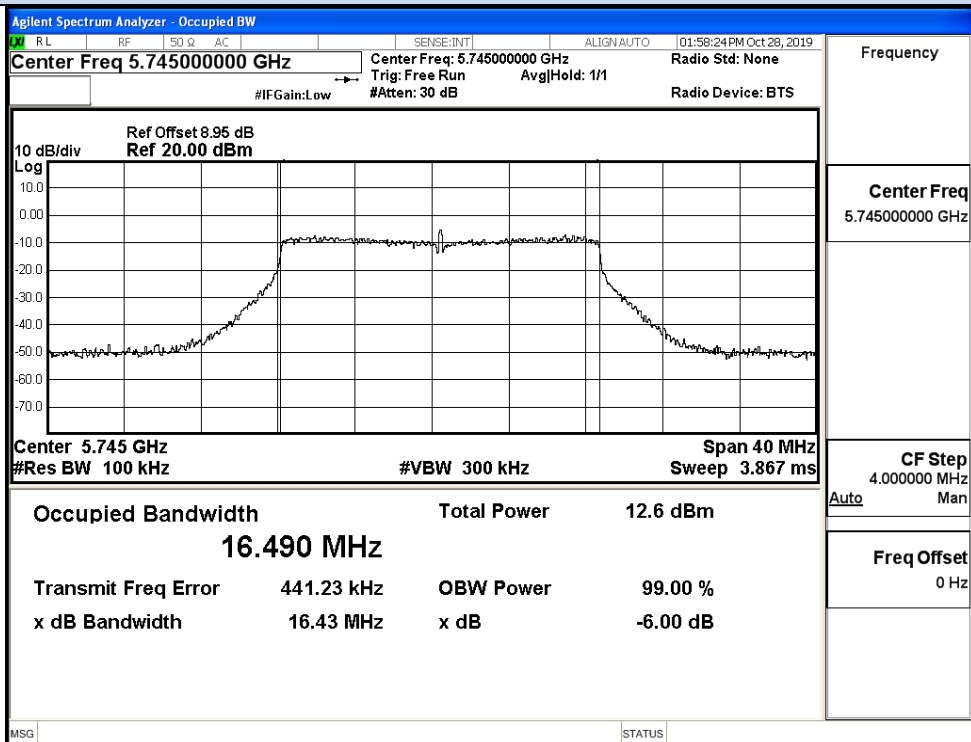
Antenna 0

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
11A	149	5745	16.43	16.49	>=0.5	Pass
	157	5785	16.41	16.478		Pass
	165	5825	16.44	16.486		Pass
11N20 SISO	149	5745	17.62	17.650	>=0.5	Pass
	157	5785	17.58	17.635		Pass
	165	5825	17.60	17.637		Pass
11N40 SISO	151	5755	35.73	36.169	>=0.5	Pass
	159	5795	35.66	36.145		Pass
11AC20S ISO	149	5745	17.60	17.648	>=0.5	Pass
	157	5785	17.61	17.654		Pass
	165	5825	17.60	17.656		Pass
11AC40S ISO	151	5755	35.77	36.146	>=0.5	Pass
	159	5795	35.75	36.139		Pass
11AC80S ISO	155	5775	71.18	74.096	>=0.5	Pass

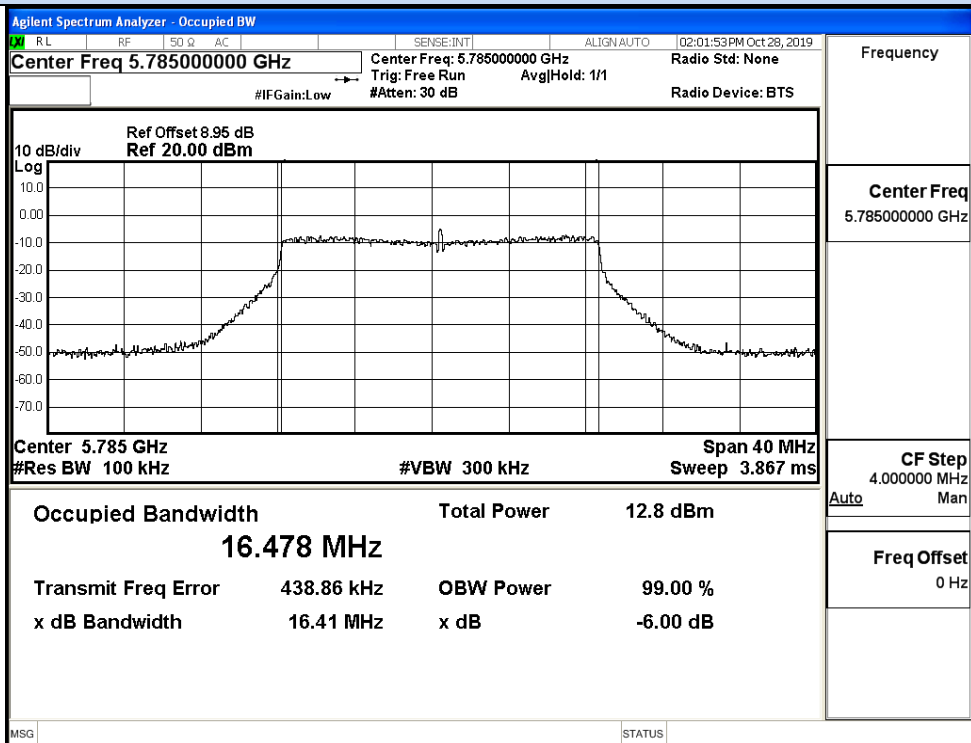
Antenna 1

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
11A	149	5745	16.42	16.491	>=0.5	Pass
	157	5785	16.43	16.487		Pass
	165	5825	16.42	16.493		Pass
11N20 SISO	149	5745	17.61	17.647	>=0.5	Pass
	157	5785	17.44	17.643		Pass
	165	5825	17.62	17.657		Pass
11N40 SISO	151	5755	35.87	36.148	>=0.5	Pass
	159	5795	35.80	36.146		Pass
11AC20S ISO	149	5745	17.72	17.663	>=0.5	Pass
	157	5785	17.60	17.658		Pass
	165	5825	17.60	17.656		Pass
11AC40S ISO	151	5755	35.31	36.142	>=0.5	Pass
	159	5795	34.91	36.124		Pass
11AC80S ISO	155	5775	71.20	73.925	>=0.5	Pass

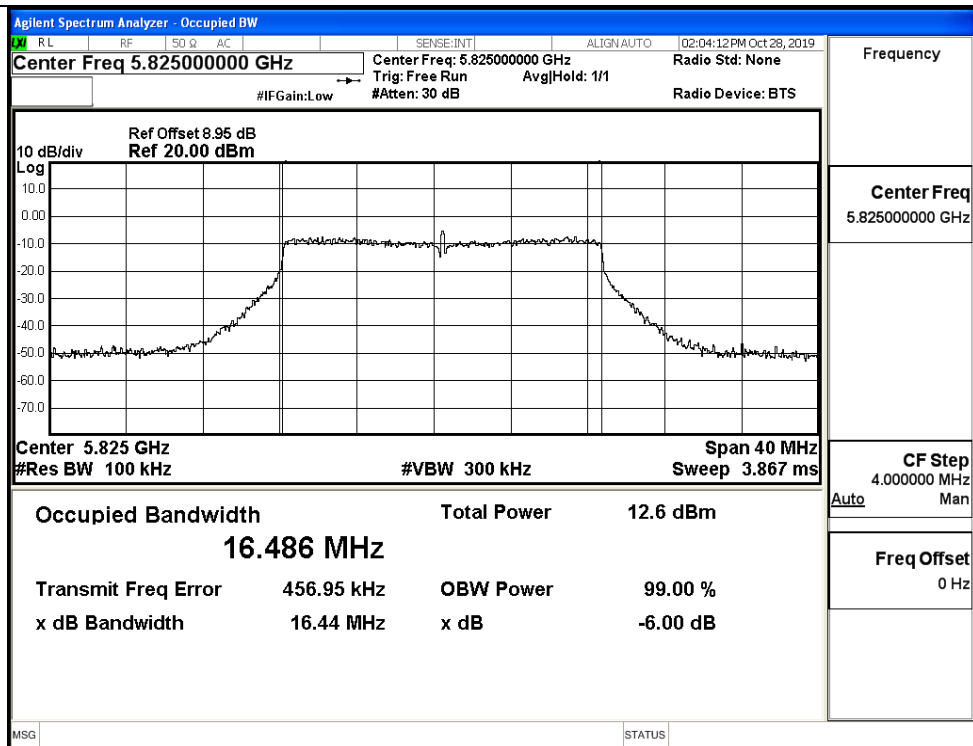
6dB Bandwidth(Antenna 0)



IEEE 802.11a / Channel 149 / 5745MHz

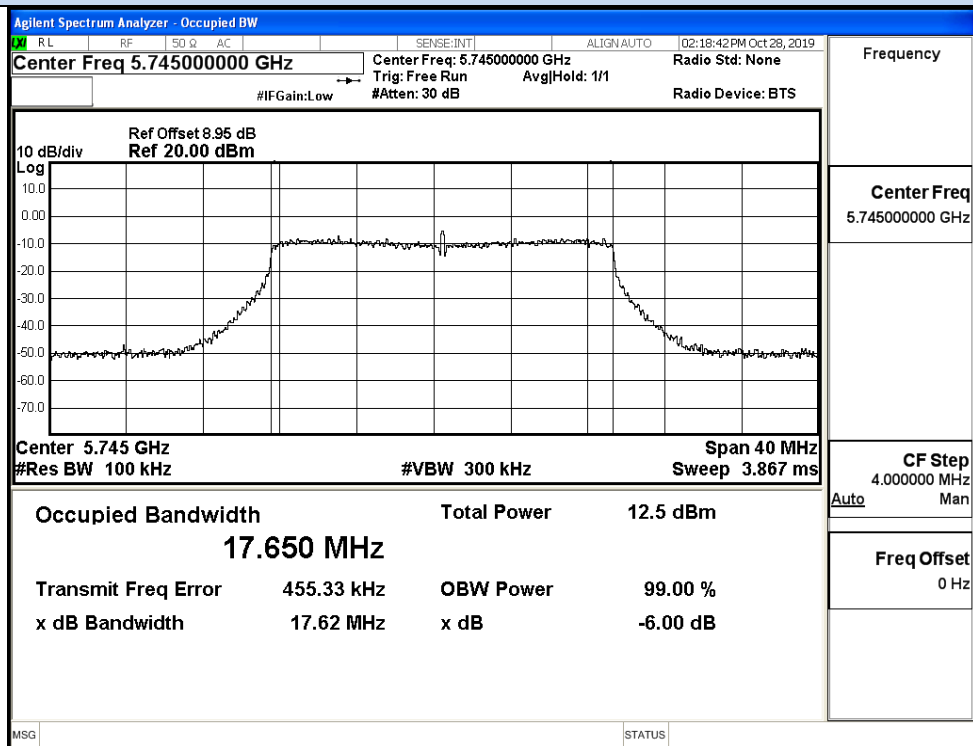


IEEE 802.11a / Channel 157 / 5785MHz

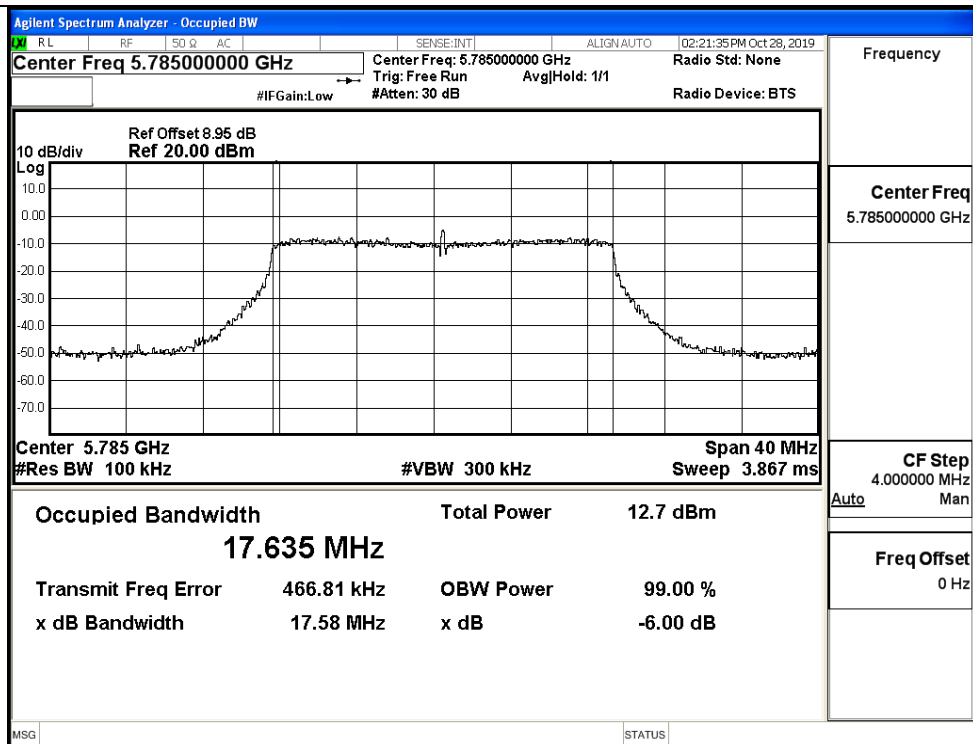


IEEE 802.11a / Channel 165 / 5825MHz

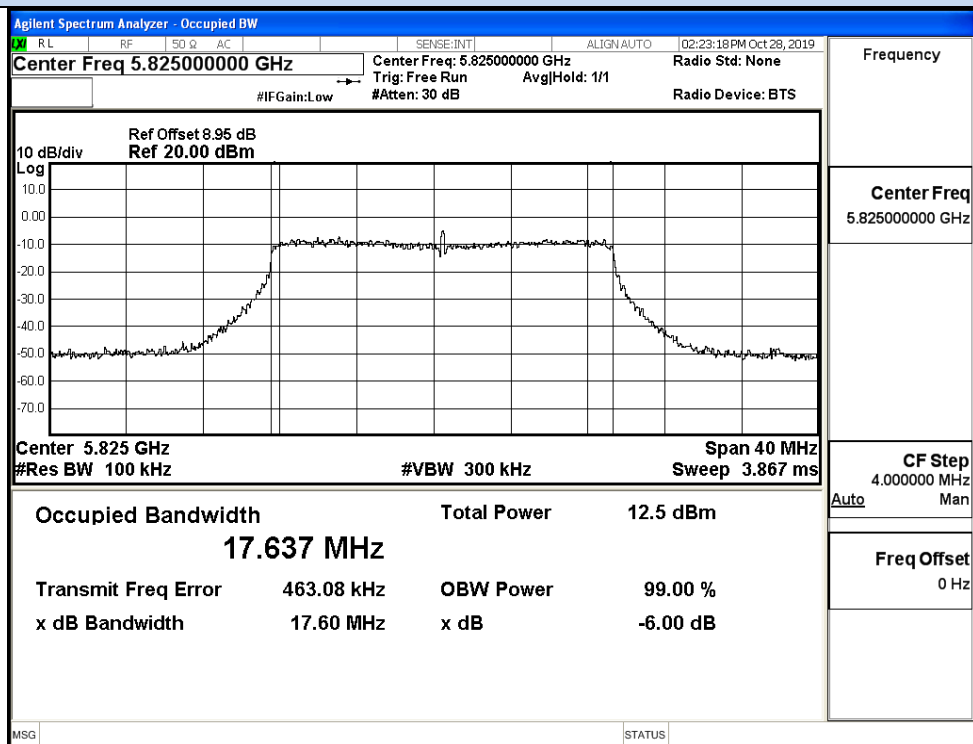
6dB Bandwidth(Antenna 0)



IEEE 802.11n20 / Channel 149 / 5745MHz

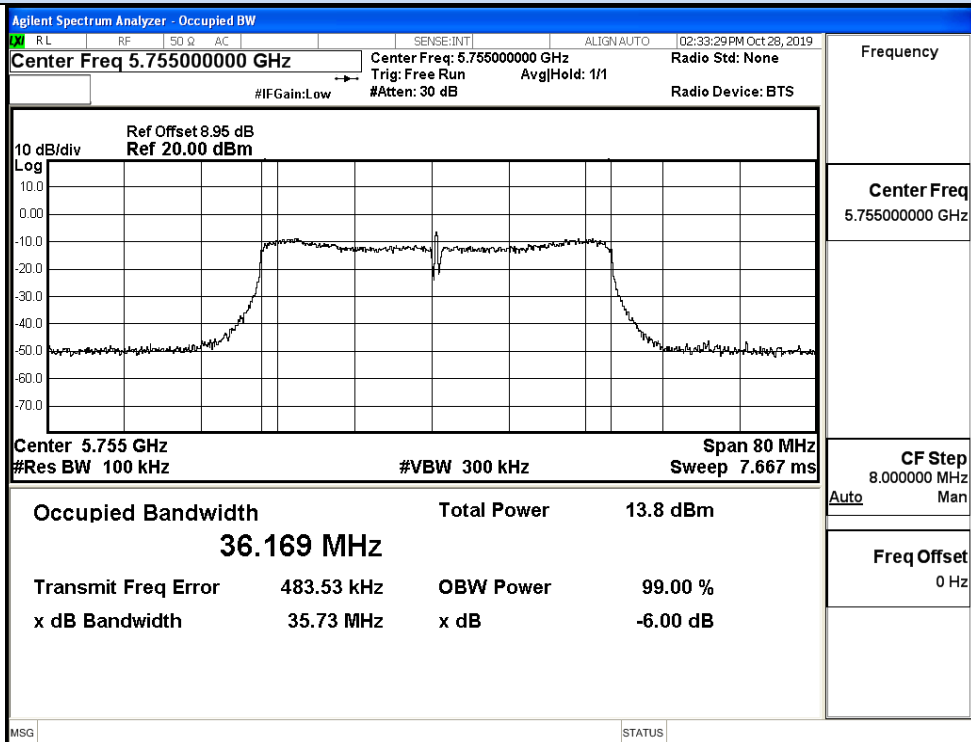


IEEE 802.11n20 / Channel 157 / 5785MHz

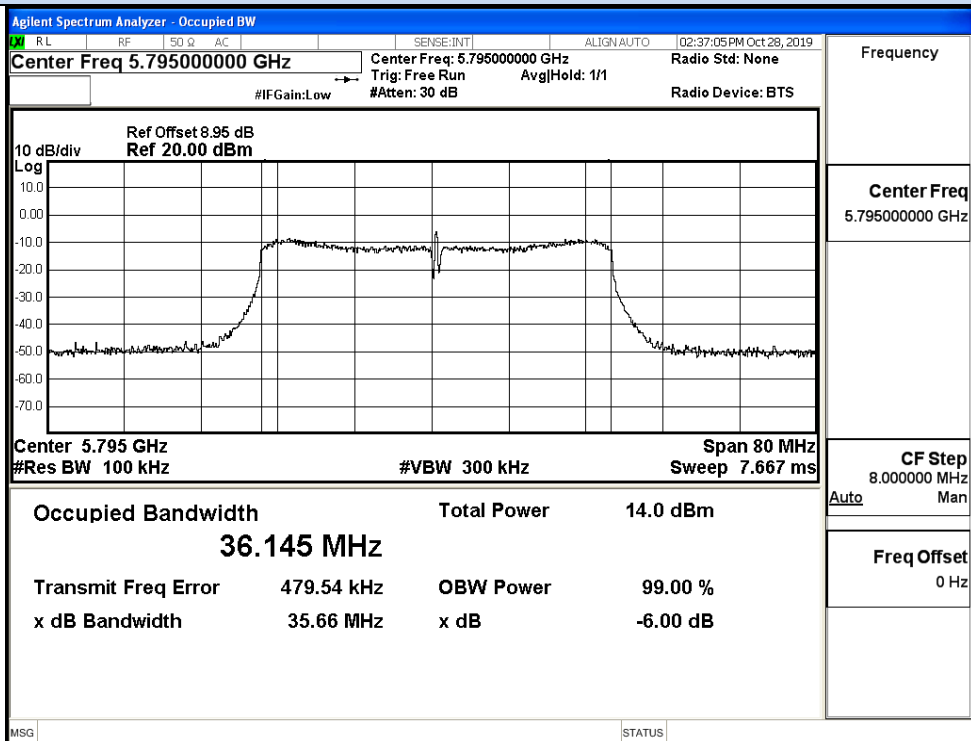


IEEE 802.11n20 / Channel 165 / 5825MHz

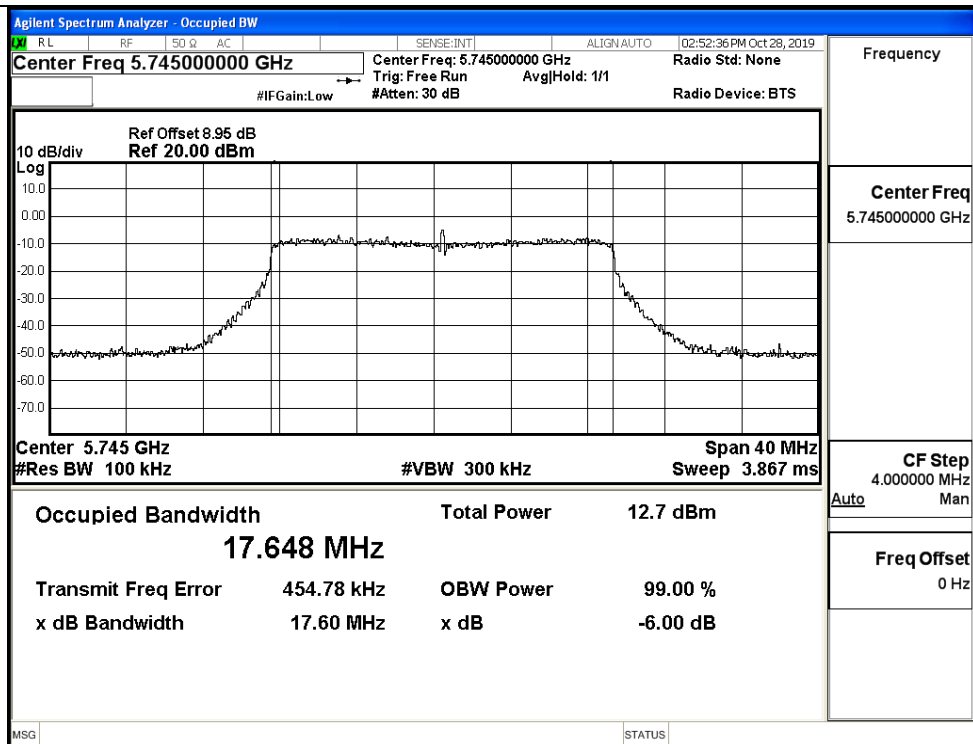
26dB Bandwidth(Antenna 0)



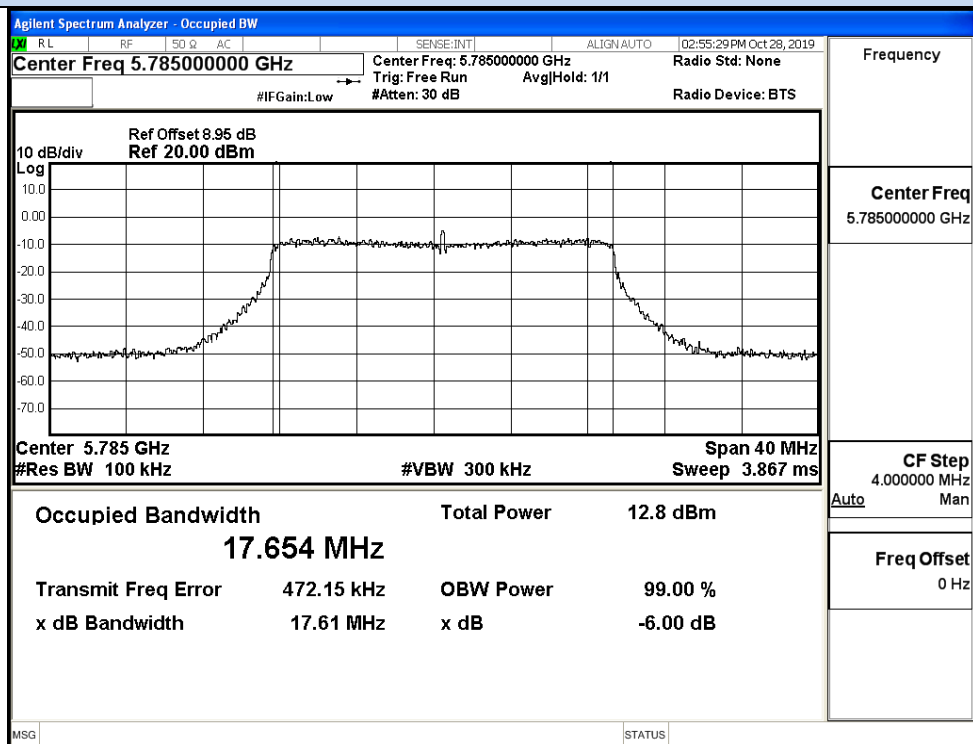
IEEE 802.11n40 / Channel 151 / 5755MHz



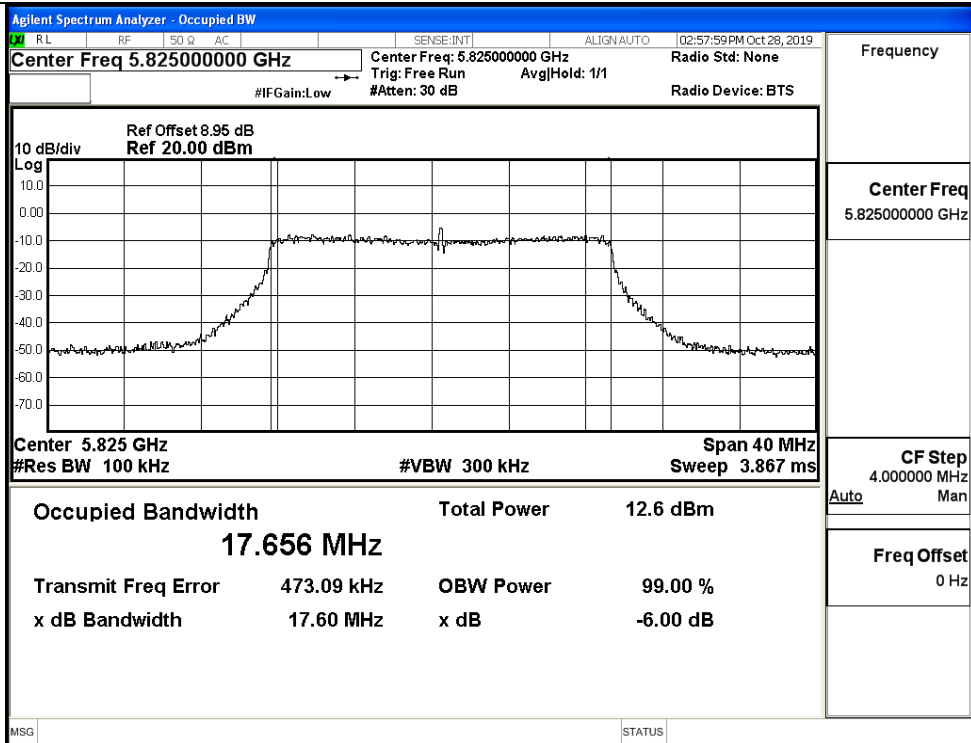
IEEE 802.11n40 / Channel 159 / 5795MHz



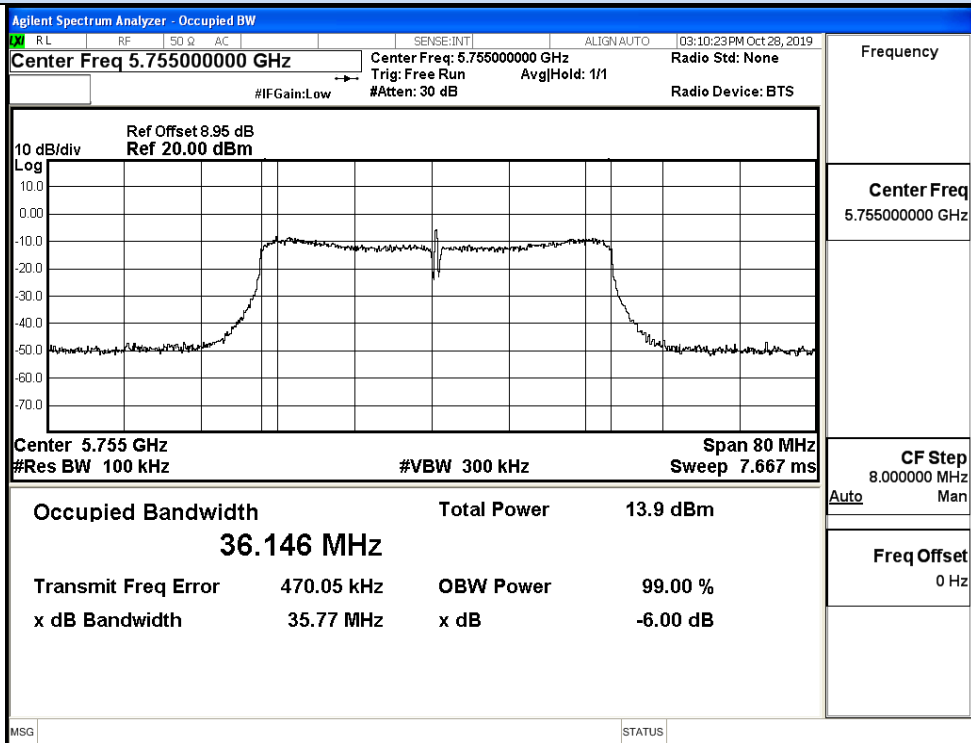
IEEE 802.11ac20 / Channel 149 / 5745MHz



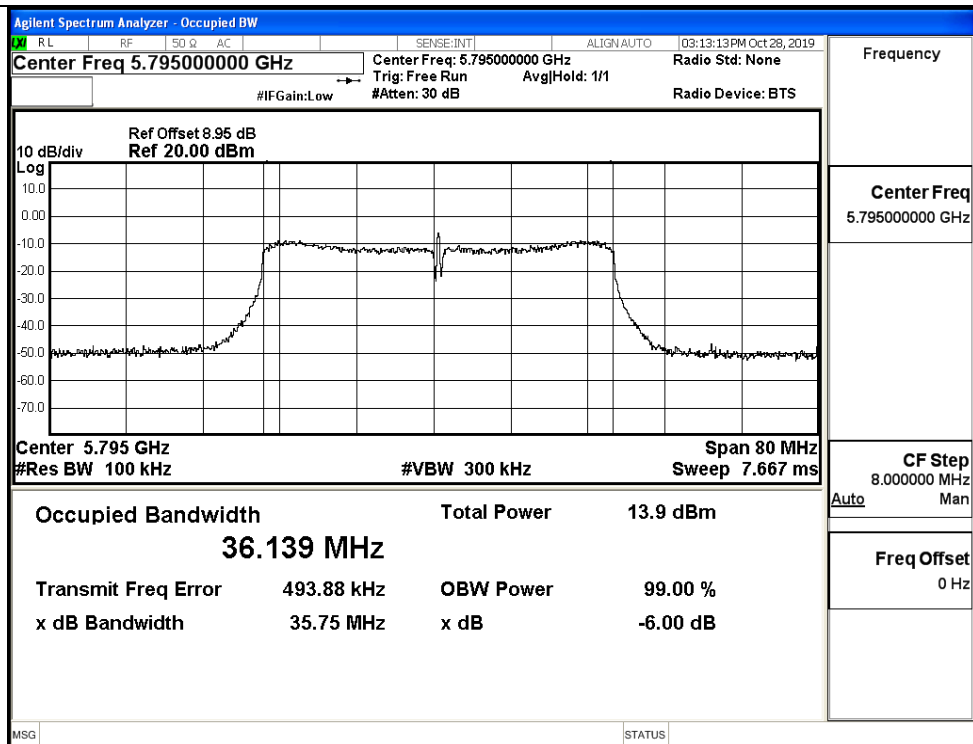
IEEE 802.11ac20 / Channel 157/ 5785MHz



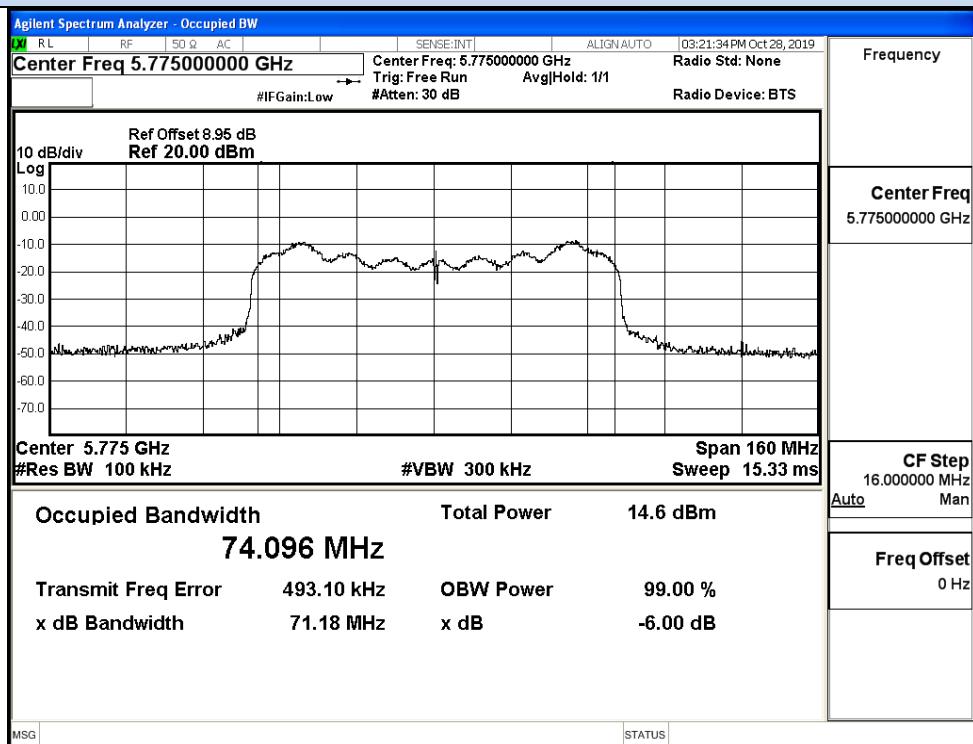
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz

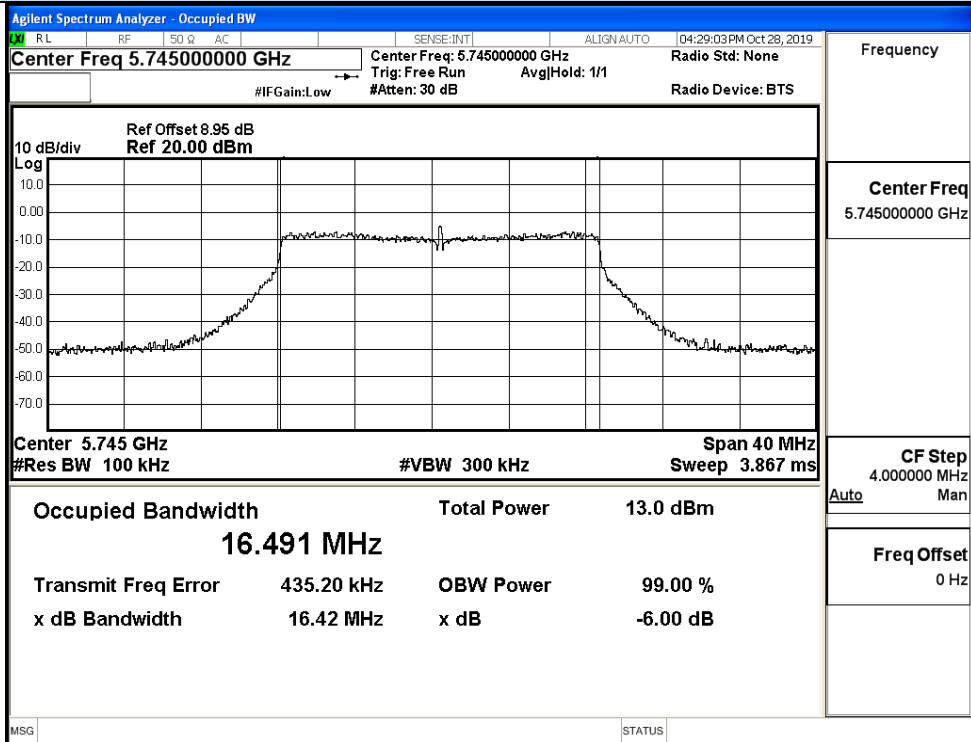


IEEE 802.11ac40 / Channel 159 / 5795MHz

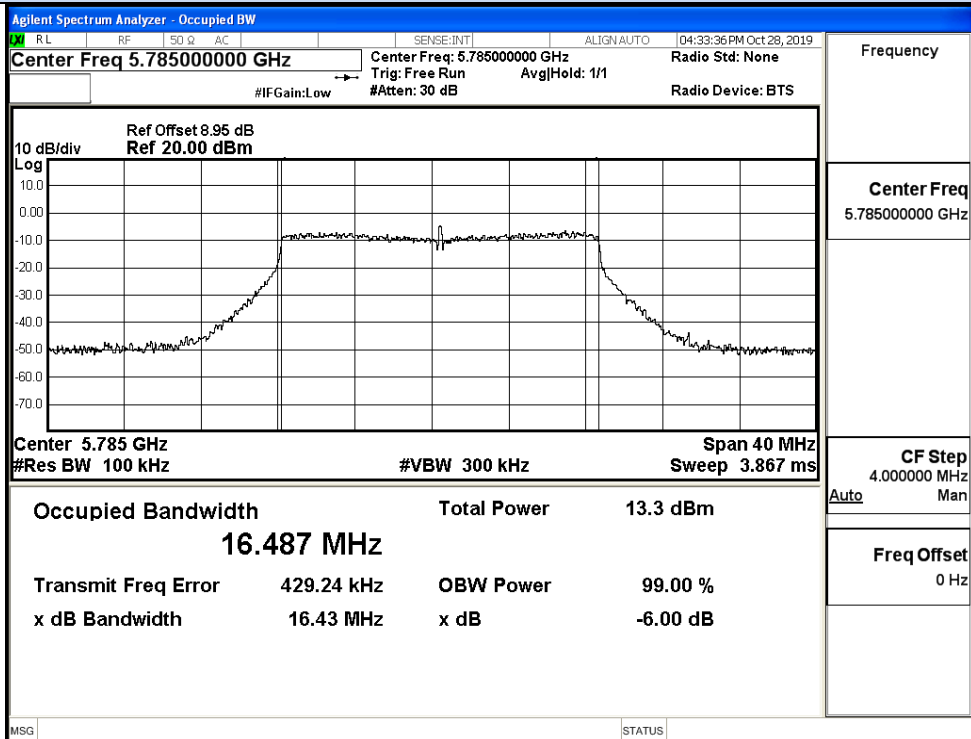


IEEE 802.11ac80 / Channel 155 / 5775MHz

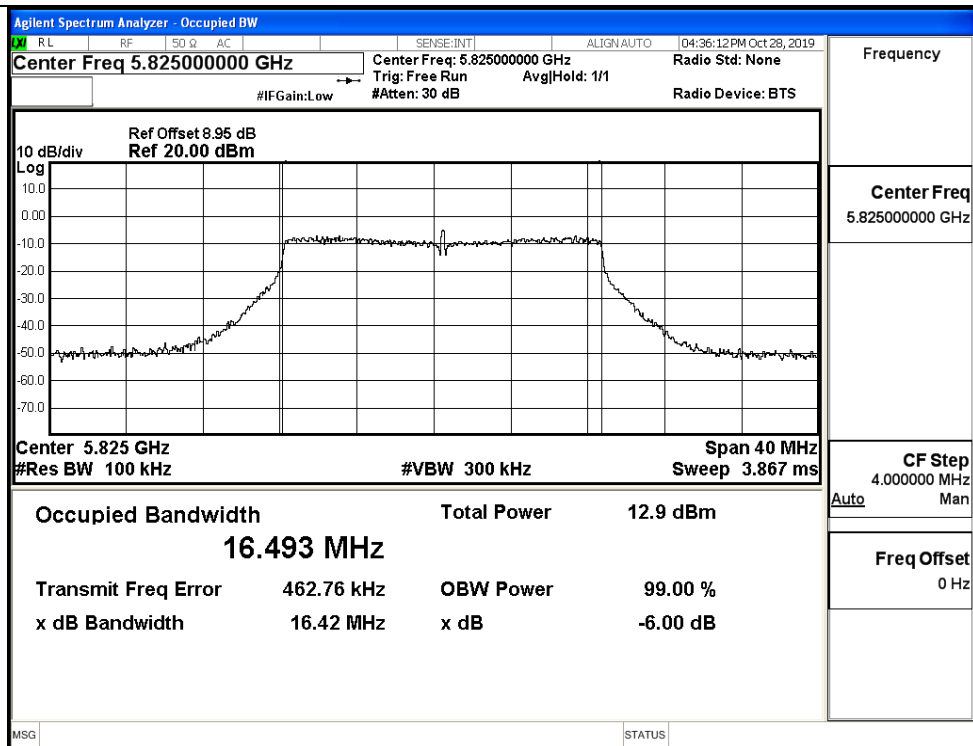
6dB Bandwidth(Antenna 1)



IEEE 802.11a / Channel 149 / 5745MHz

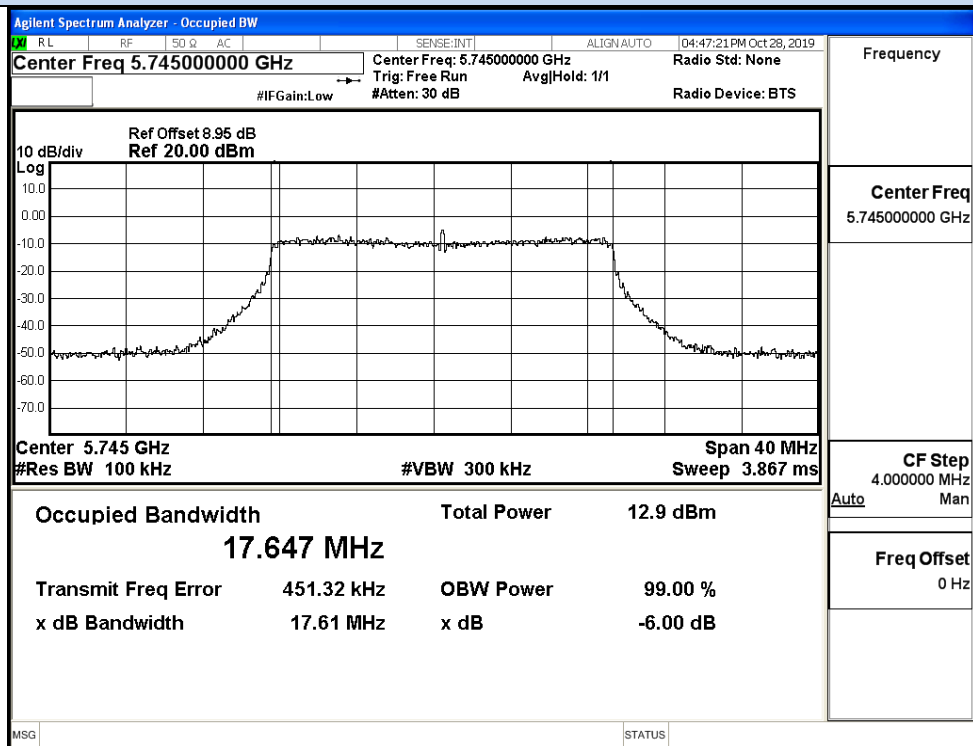


IEEE 802.11a / Channel 157 / 5785MHz

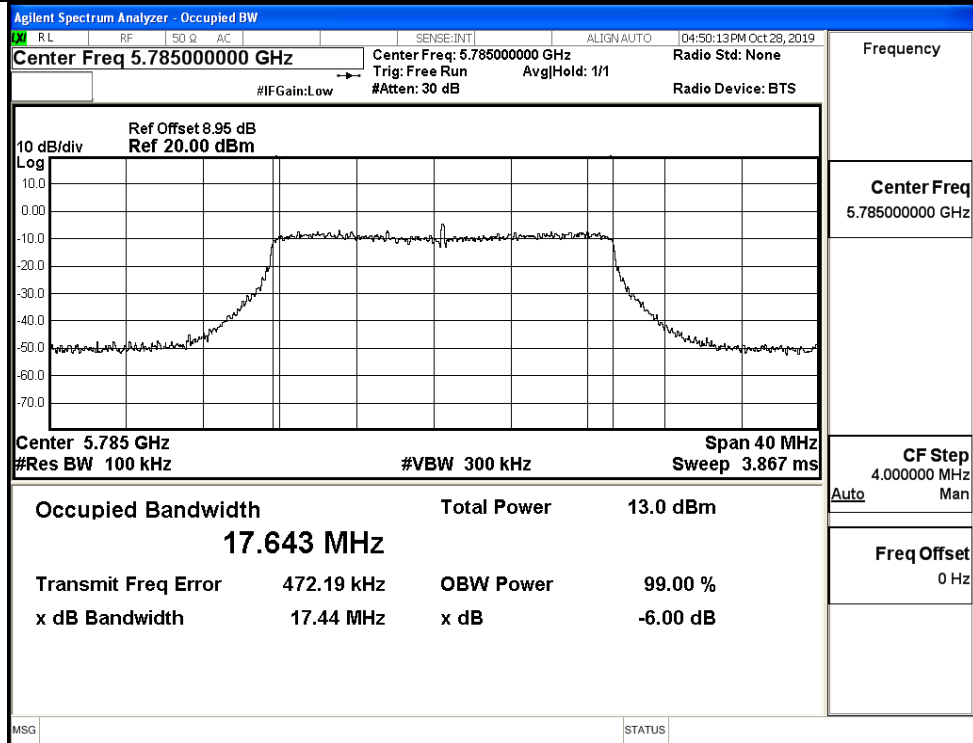


IEEE 802.11a / Channel 165 / 5825MHz

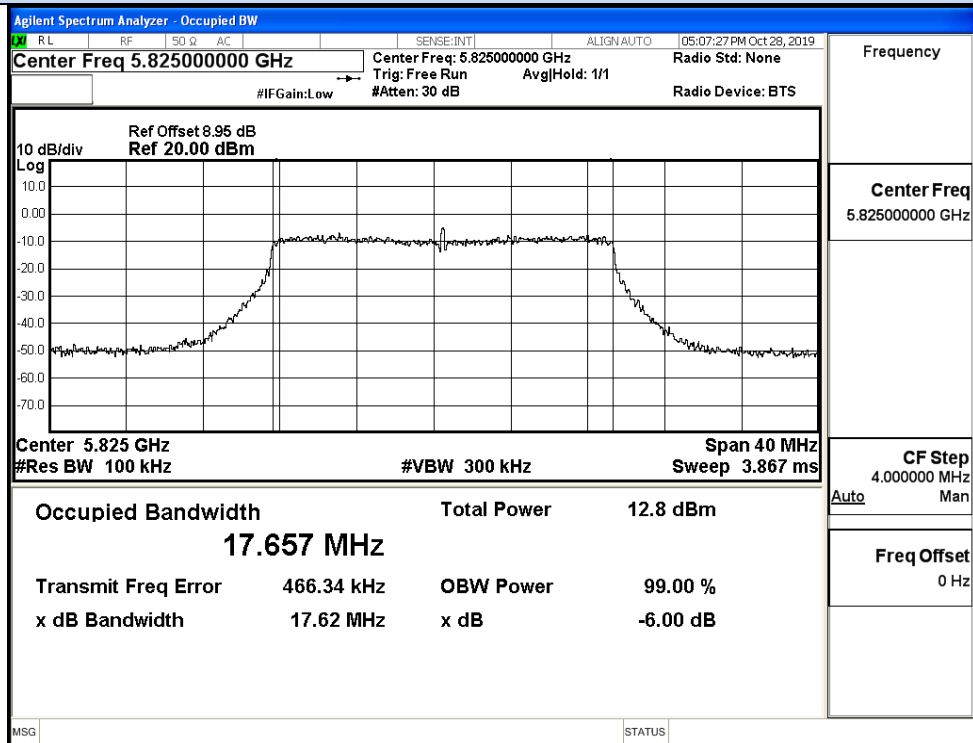
6dB Bandwidth



IEEE 802.11n20 / Channel 149 / 5745MHz

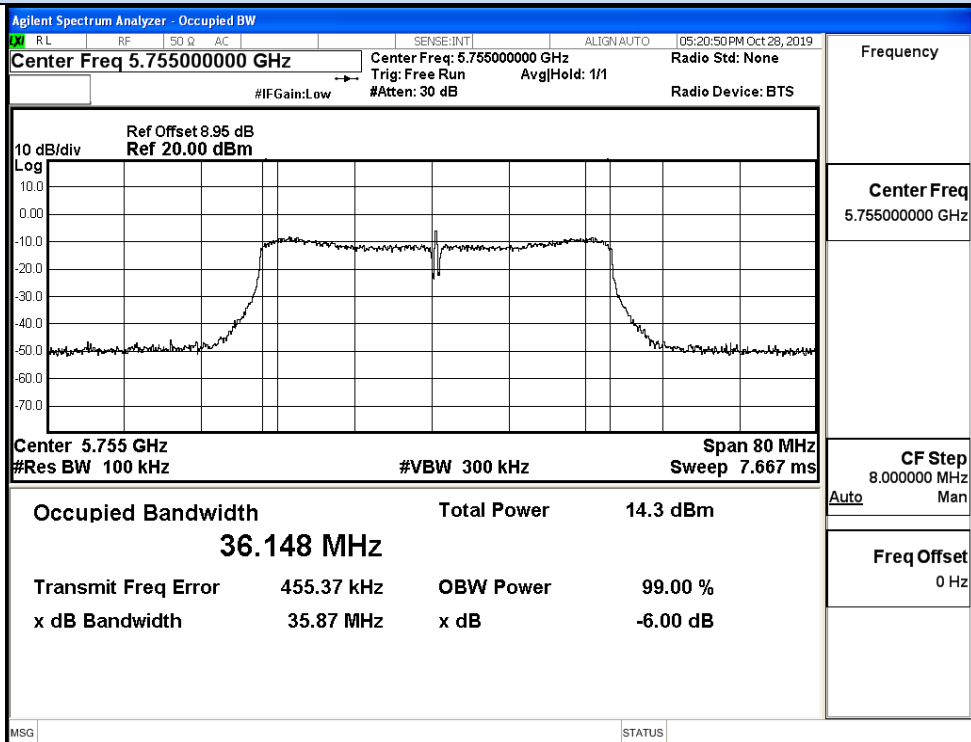


IEEE 802.11n20 / Channel 157 / 5785MHz

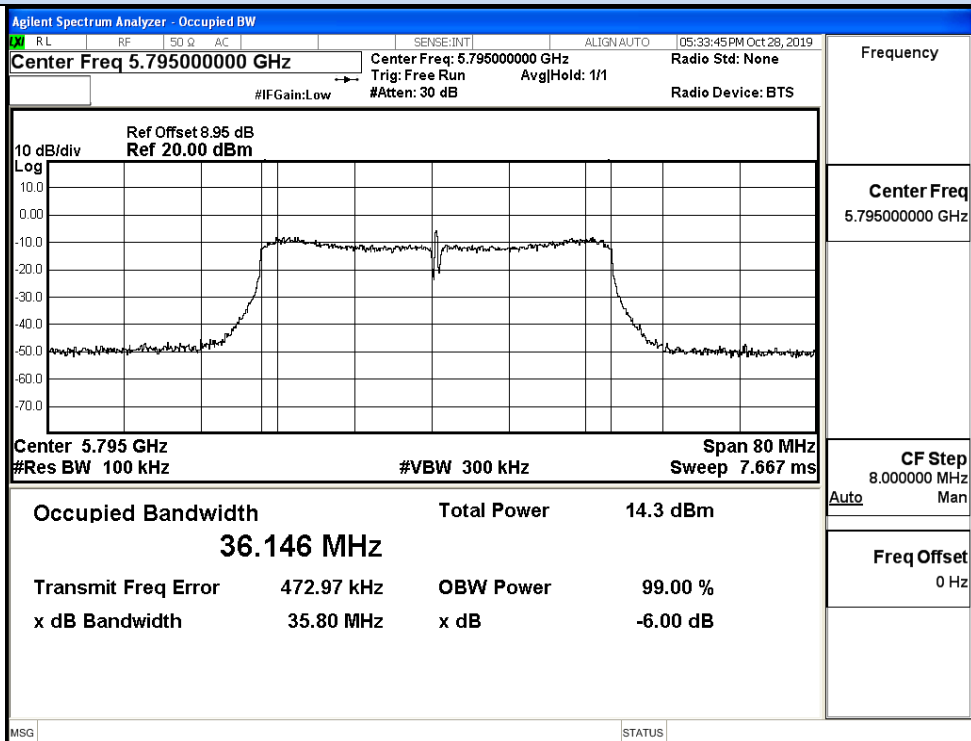


IEEE 802.11n20 / Channel 165 / 5825MHz

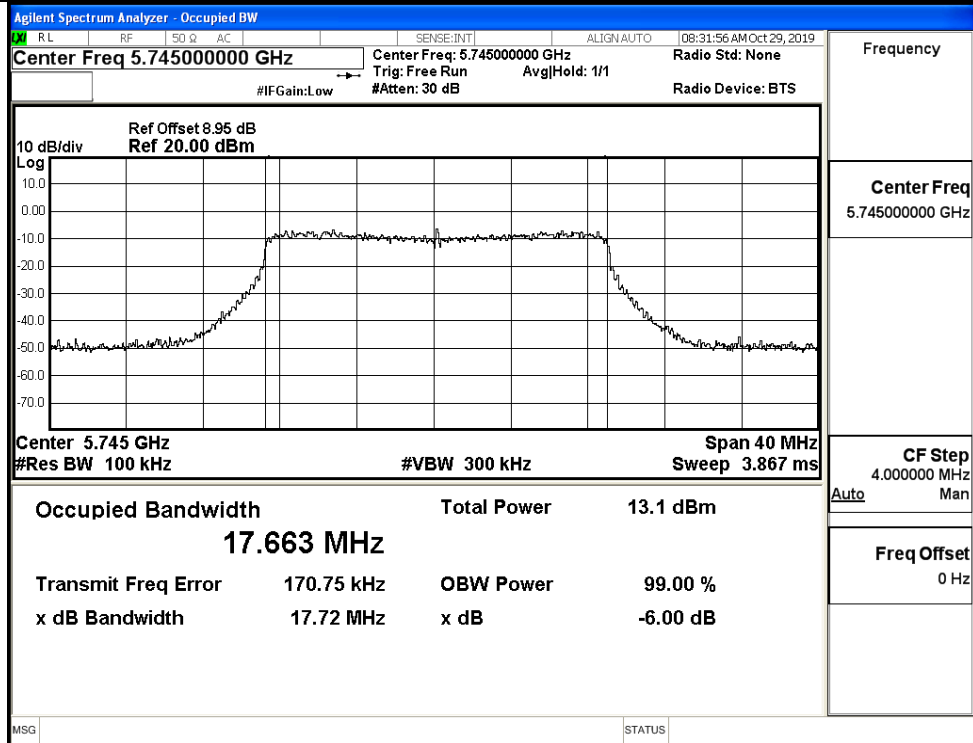
26dB Bandwidth



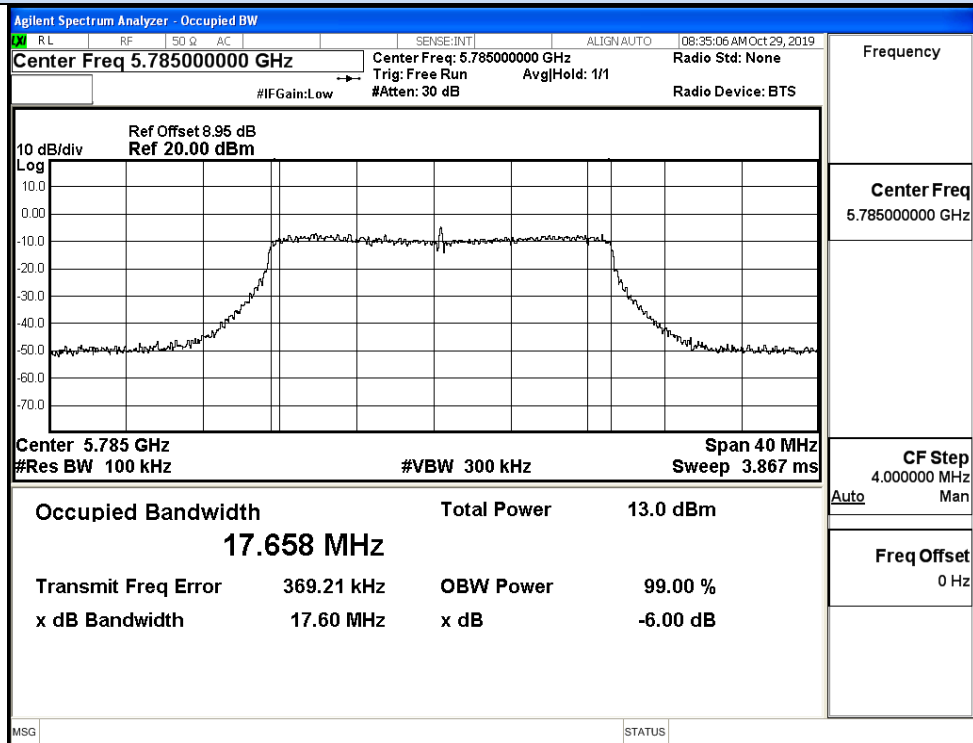
IEEE 802.11n40 / Channel 151 / 5755MHz



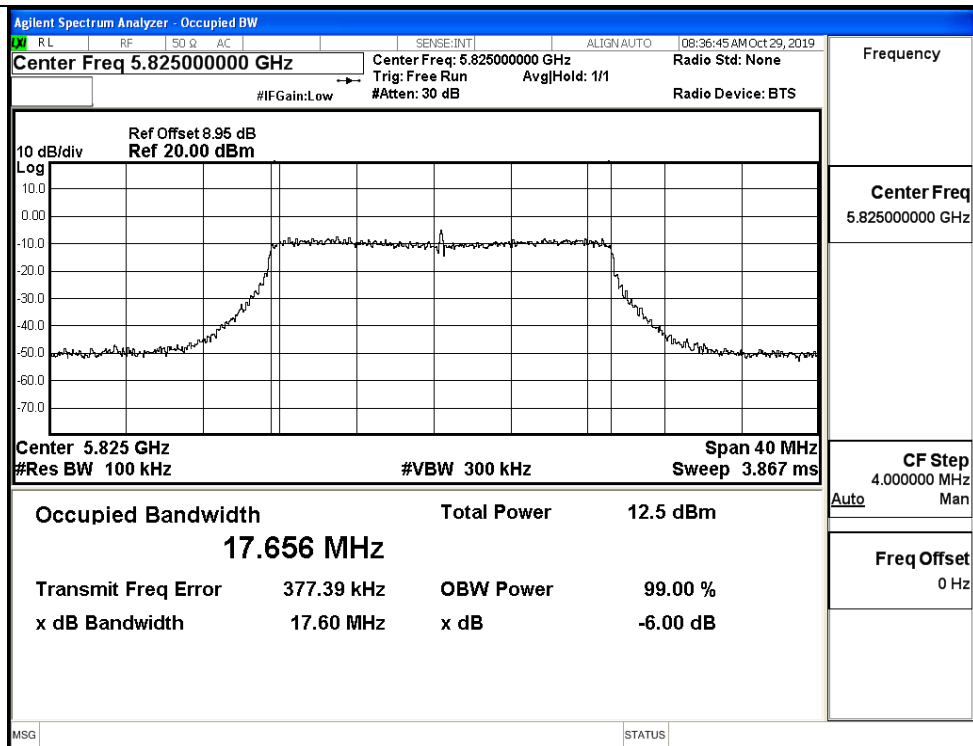
IEEE 802.11n40 / Channel 159 / 5795MHz



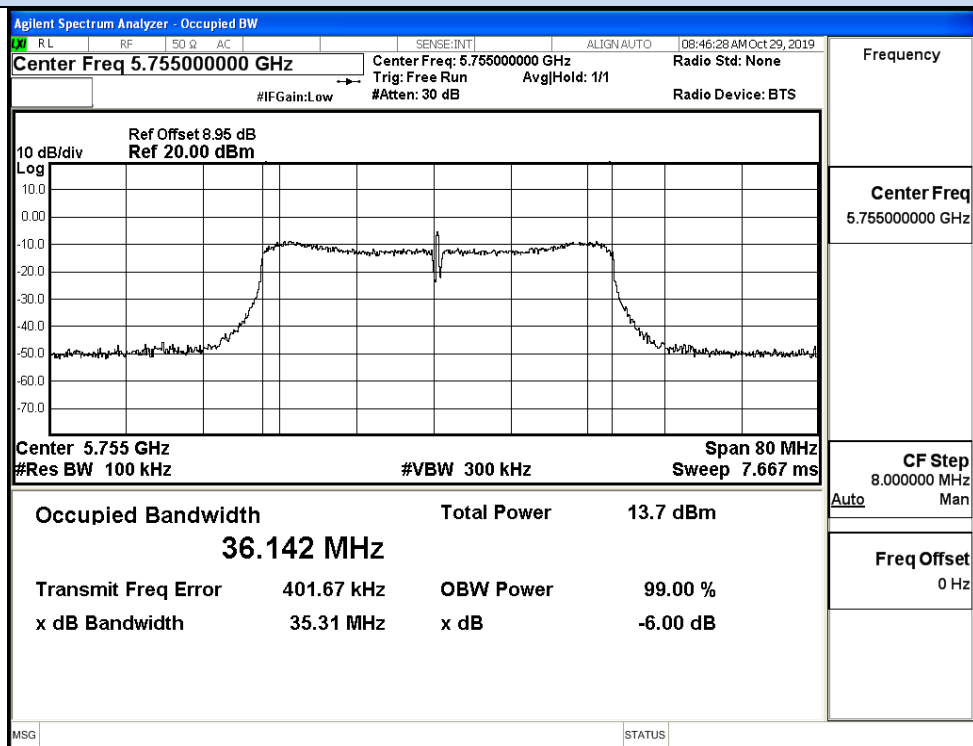
IEEE 802.11ac20 / Channel 149 / 5745MHz



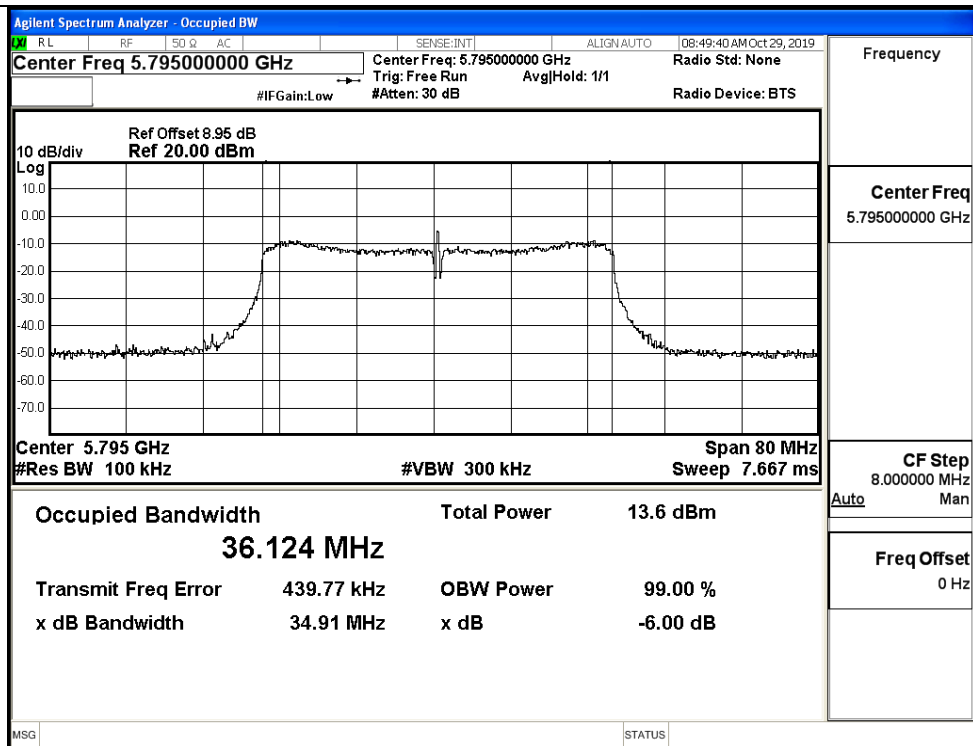
IEEE 802.11ac20 / Channel 157/ 5785MHz



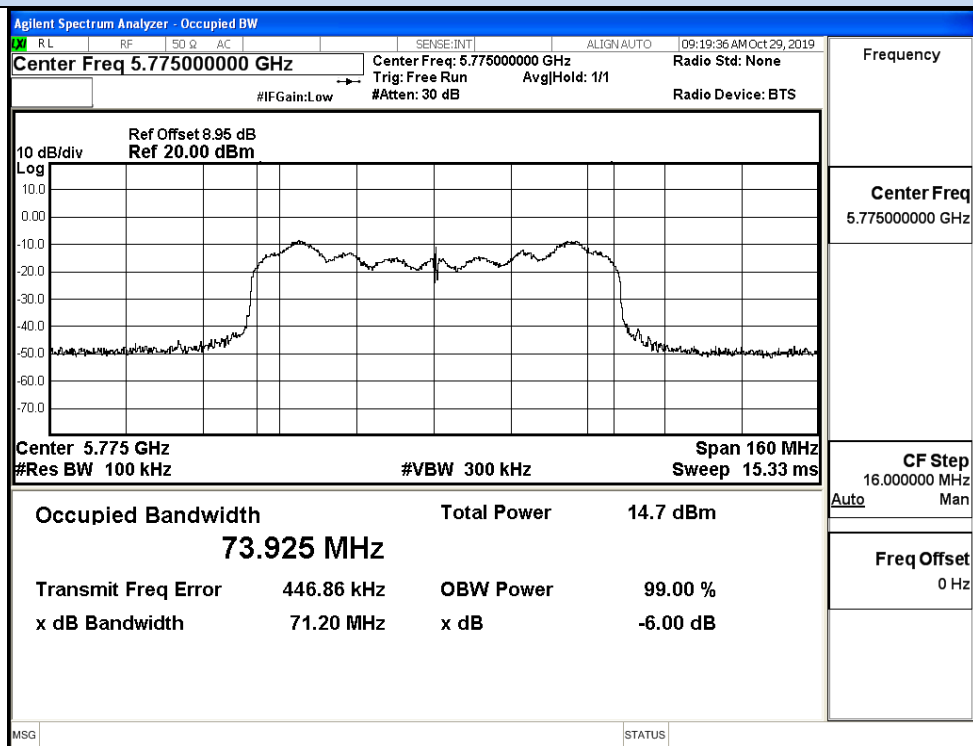
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz



IEEE 802.11ac40 / Channel 159 / 5795MHz



IEEE 802.11ac80 / Channel 155 / 5775MHz

D.5 Undesirable Emissions Measurement

Antenna 0

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11A	149	5650.0	-44.87	5.00	-39.87	Peak	-27.0	Pass
		5650.0	-57.16	5.00	-52.16	Average	-27.0	Pass
		5700.0	-44.65	5.00	-39.65	Peak	10	Pass
		5700.0	-55.87	5.00	-50.87	Average	10	Pass
		5720.0	-42.79	5.00	-37.79	Peak	15.6	Pass
		5720.0	-55.65	5.00	-50.65	Average	15.6	Pass
		5725.0	-41.96	5.00	-36.96	Peak	27.0	Pass
	165	5725.0	-55.07	5.00	-50.07	Average	27.0	Pass
		5850.0	-43.38	5.00	-38.38	Peak	27.0	Pass
		5850.0	-55.39	5.00	-50.39	Average	27.0	Pass
		5855.0	-44.55	5.00	-39.55	Peak	15.6	Pass
		5855.0	-55.53	5.00	-50.53	Average	15.6	Pass
		5875.0	-43.48	5.00	-38.48	Peak	10	Pass
		5875.0	-56.14	5.00	-51.14	Average	10	Pass
11N20 SISO	149	5925.0	-44.45	5.00	-39.45	Peak	-27.0	Pass
		5925.0	-57.21	5.00	-52.21	Average	-27.0	Pass
		5650.0	-45.26	5.00	-40.26	Peak	-27.0	Pass
		5650.0	-57.13	5.00	-52.13	Average	-27.0	Pass
		5700.0	-42.03	5.00	-37.03	Peak	10	Pass
		5700.0	-55.54	5.00	-50.54	Average	10	Pass
		5720.0	-44.24	5.00	-39.24	Peak	15.6	Pass
	165	5720.0	-55.81	5.00	-50.81	Average	15.6	Pass
		5725.0	-41.74	5.00	-36.74	Peak	27.0	Pass
		5725.0	-54.81	5.00	-49.81	Average	27.0	Pass
		5850.0	-42.21	5.00	-37.21	Peak	27.0	Pass
		5850.0	-55.21	5.00	-50.21	Average	27.0	Pass
		5855.0	-42.54	5.00	-37.54	Peak	15.6	Pass
		5855.0	-55.41	5.00	-50.41	Average	15.6	Pass
		5875.0	-44.51	5.00	-39.51	Peak	10	Pass
		5875.0	-55.98	5.00	-50.98	Average	10	Pass
		5925.0	-45.84	5.00	-40.84	Peak	-27.0	Pass
		5925.0	-57.10	5.00	-52.1	Average	-27.0	Pass

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N40 SISO	151	5650.0	-45.36	5.00	-40.36	Peak	-27.0	Pass
		5650.0	-57.75	5.00	-52.75	Average	-27.0	Pass
		5700.0	-45.45	5.00	-40.45	Peak	10	Pass
		5700.0	-56.55	5.00	-51.55	Average	10	Pass
		5720.0	-42.14	5.00	-37.14	Peak	15.6	Pass
		5720.0	-54.22	5.00	-49.22	Average	15.6	Pass
		5725.0	-39.76	5.00	-34.76	Peak	27.0	Pass
	159	5725.0	-53.17	5.00	-48.17	Average	27.0	Pass
		5850.0	-44.54	5.00	-39.54	Peak	27.0	Pass
		5850.0	-56.05	5.00	-51.05	Average	27.0	Pass
		5855.0	-43.58	5.00	-38.58	Peak	15.6	Pass
		5855.0	-56.25	5.00	-51.25	Average	15.6	Pass
		5875.0	-44.24	5.00	-39.24	Peak	10	Pass
		5875.0	-56.76	5.00	-51.76	Average	10	Pass
11AC2 0 SISO	149	5925.0	-46.45	5.00	-41.45	Peak	-27.0	Pass
		5925.0	-57.76	5.00	-52.76	Average	-27.0	Pass
		5650.0	-43.26	5.00	-38.26	Peak	-27.0	Pass
		5650.0	-56.99	5.00	-51.99	Average	-27.0	Pass
		5700.0	-43.61	5.00	-38.61	Peak	10	Pass
		5700.0	-55.44	5.00	-50.44	Average	10	Pass
		5720.0	-42.73	5.00	-37.73	Peak	15.6	Pass
	165	5720.0	-55.73	5.00	-50.73	Average	15.6	Pass
		5725.0	-41.40	5.00	-36.4	Peak	27.0	Pass
		5725.0	-54.72	5.00	-49.72	Average	27.0	Pass
		5850.0	-43.28	5.00	-38.28	Peak	27.0	Pass
		5850.0	-55.31	5.00	-50.31	Average	27.0	Pass
		5855.0	-44.04	5.00	-39.04	Peak	15.6	Pass
		5855.0	-55.51	5.00	-50.51	Average	15.6	Pass
		5875.0	-44.07	5.00	-39.07	Peak	10	Pass
		5875.0	-56.12	5.00	-51.12	Average	10	Pass

11AC4 0 SISO	151	5925.0	-45.77	5.00	-40.77	Peak	-27.0	Pass
		5925.0	-57.21	5.00	-52.21	Average	-27.0	Pass
		5650.0	-46.51	5.00	-41.51	Peak	-27.0	Pass
		5650.0	-57.73	5.00	-52.73	Average	-27.0	Pass
		5700.0	-44.54	5.00	-39.54	Peak	10	Pass
		5700.0	-56.54	5.00	-51.54	Average	10	Pass
		5720.0	-42.41	5.00	-37.41	Peak	15.6	Pass
		5720.0	-54.27	5.00	-49.27	Average	15.6	Pass
		5725.0	-38.77	5.00	-33.77	Peak	27.0	Pass
	159	5725.0	-53.20	5.00	-48.2	Average	27.0	Pass
		5850.0	-45.05	5.00	-40.05	Peak	27.0	Pass
		5850.0	-56.10	5.00	-51.1	Average	27.0	Pass
		5855.0	-43.59	5.00	-38.59	Peak	15.6	Pass
		5855.0	-56.27	5.00	-51.27	Average	15.6	Pass
		5875.0	-44.59	5.00	-39.59	Peak	10	Pass
		5875.0	-56.82	5.00	-51.82	Average	10	Pass
		5925.0	-45.40	5.00	-40.4	Peak	-27.0	Pass
		5925.0	-57.80	5.00	-52.8	Average	-27.0	Pass
11AC8 0 SISO	155	5725.0	-42.11	5.00	-37.11	Peak	27.0	Pass
		5720.0	-44.30	5.00	-39.3	Peak	15.6	Pass
		5700.0	-44.64	5.00	-39.64	Peak	10	Pass
		5650.0	-48.15	5.00	-43.15	Peak	-27.0	Pass
		5725.0	-54.07	5.00	-49.07	Average	27.0	Pass
		5720.0	-54.28	5.00	-49.28	Average	15.6	Pass
		5700.0	-55.46	5.00	-50.46	Average	10	Pass
		5650.0	-58.26	5.00	-53.26	Average	-27.0	Pass
		5850.0	-43.06	5.00	-38.06	Peak	27.0	Pass
		5855.0	-44.35	5.00	-39.35	Peak	15.6	Pass
		5875.0	-45.36	5.00	-40.36	Peak	10	Pass
		5925.0	-47.26	5.00	-42.26	Peak	-27.0	Pass
		5850.0	-55.56	5.00	-50.56	Average	27.0	Pass
		5855.0	-55.75	5.00	-50.75	Average	15.6	Pass
		5875.0	-56.98	5.00	-51.98	Average	10	Pass
		5925.0	-58.03	5.00	-53.03	Average	-27.0	Pass

Antenna 1

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11A	149	5650.0	-45.57	5.00	-40.57	Peak	-27.0	Pass
		5650.0	-56.90	5.00	-51.9	Average	-27.0	Pass
		5700.0	-43.46	5.00	-38.46	Peak	10	Pass
		5700.0	-55.56	5.00	-50.56	Average	10	Pass
		5720.0	-43.30	5.00	-38.3	Peak	15.6	Pass
		5720.0	-55.30	5.00	-50.3	Average	15.6	Pass
		5725.0	-42.82	5.00	-37.82	Peak	27.0	Pass
	165	5725.0	-54.83	5.00	-49.83	Average	27.0	Pass
		5850.0	-43.27	5.00	-38.27	Peak	27.0	Pass
		5850.0	-54.93	5.00	-49.93	Average	27.0	Pass
		5855.0	-43.86	5.00	-38.86	Peak	15.6	Pass
		5855.0	-55.12	5.00	-50.12	Average	15.6	Pass
		5875.0	-44.05	5.00	-39.05	Peak	10	Pass
		5875.0	-55.73	5.00	-50.73	Average	10	Pass
11N20 SISO	149	5925.0	-44.48	5.00	-39.48	Peak	-27.0	Pass
		5925.0	-56.85	5.00	-51.85	Average	-27.0	Pass
		5650.0	-45.87	5.00	-40.87	Peak	-27.0	Pass
		5650.0	-57.07	5.00	-52.07	Average	-27.0	Pass
		5700.0	-44.12	5.00	-39.12	Peak	10	Pass
		5700.0	-55.43	5.00	-50.43	Average	10	Pass
		5720.0	-43.47	5.00	-38.47	Peak	15.6	Pass
		5720.0	-55.71	5.00	-50.71	Average	15.6	Pass
		5725.0	-42.93	5.00	-37.93	Peak	27.0	Pass
	165	5725.0	-54.76	5.00	-49.76	Average	27.0	Pass
		5850.0	-43.68	5.00	-38.68	Peak	27.0	Pass
		5850.0	-55.20	5.00	-50.2	Average	27.0	Pass
		5855.0	-42.90	5.00	-37.9	Peak	15.6	Pass
		5855.0	-55.37	5.00	-50.37	Average	15.6	Pass
		5875.0	-43.87	5.00	-38.87	Peak	10	Pass
		5875.0	-55.97	5.00	-50.97	Average	10	Pass
		5925.0	-45.38	5.00	-40.38	Peak	-27.0	Pass
		5925.0	-57.04	5.00	-52.04	Average	-27.0	Pass

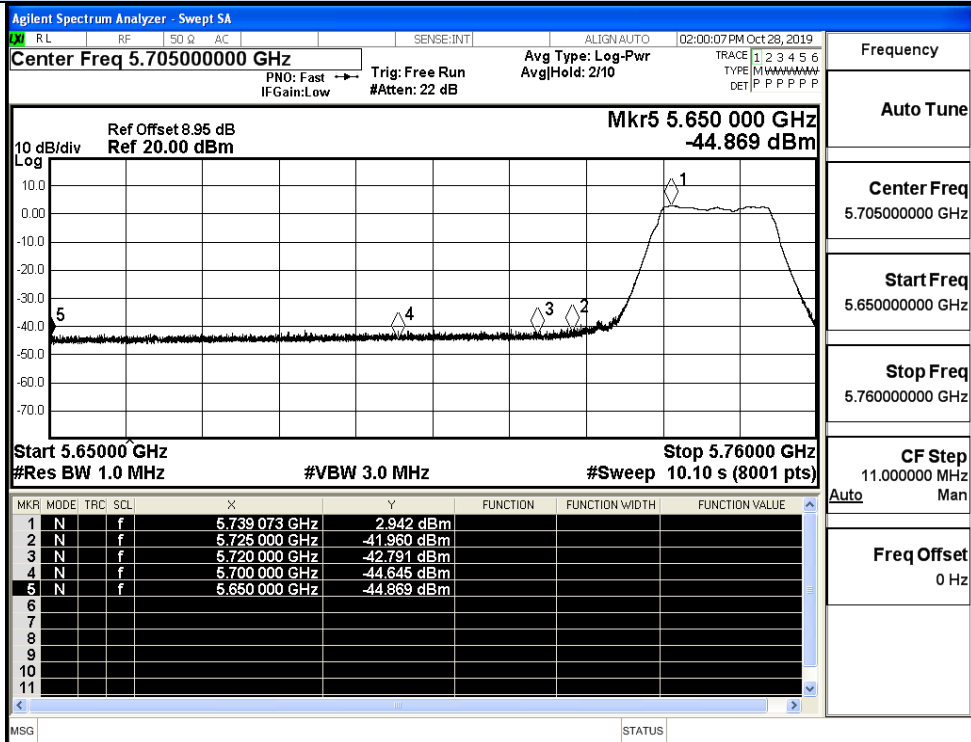
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N40 SISO	151	5650.0	-45.77	5.00	-40.77	Peak	-27.0	Pass
		5650.0	-57.45	5.00	-52.45	Average	-27.0	Pass
		5700.0	-44.74	5.00	-39.74	Peak	10	Pass
		5700.0	-56.29	5.00	-51.29	Average	10	Pass
		5720.0	-40.06	5.00	-35.06	Peak	15.6	Pass
		5720.0	-53.86	5.00	-48.86	Average	15.6	Pass
		5725.0	-39.52	5.00	-34.52	Peak	27.0	Pass
		5725.0	-52.77	5.00	-47.77	Average	27.0	Pass
	159	5850.0	-44.77	5.00	-39.77	Peak	27.0	Pass
		5850.0	-55.80	5.00	-50.8	Average	27.0	Pass
		5855.0	-44.69	5.00	-39.69	Peak	15.6	Pass
		5855.0	-56.01	5.00	-51.01	Average	15.6	Pass
		5875.0	-45.45	5.00	-40.45	Peak	10	Pass
		5875.0	-56.51	5.00	-51.51	Average	10	Pass
		5925.0	-46.08	5.00	-41.08	Peak	-27.0	Pass
11AC2 0 SISO	149	5650.0	-44.11	5.00	-39.11	Peak	-27.0	Pass
		5650.0	-55.76	5.00	-50.76	Average	-27.0	Pass
		5700.0	-42.88	5.00	-37.88	Peak	10	Pass
		5700.0	-54.06	5.00	-49.06	Average	10	Pass
		5720.0	-41.76	5.00	-36.76	Peak	15.6	Pass
		5720.0	-54.37	5.00	-49.37	Average	15.6	Pass
		5725.0	-41.98	5.00	-36.98	Peak	27.0	Pass
		5725.0	-53.60	5.00	-48.6	Average	27.0	Pass
	165	5850.0	-41.60	5.00	-36.6	Peak	27.0	Pass
		5850.0	-54.48	5.00	-49.48	Average	27.0	Pass
		5855.0	-42.99	5.00	-37.99	Peak	15.6	Pass
		5855.0	-54.71	5.00	-49.71	Average	15.6	Pass
		5875.0	-43.42	5.00	-38.42	Peak	10	Pass
		5875.0	-55.29	5.00	-50.29	Average	10	Pass
		5925.0	-44.91	5.00	-39.91	Peak	-27.0	Pass
11AC4 0 SISO	151	5650.0	-44.72	5.00	-39.72	Peak	-27.0	Pass
		5650.0	-57.20	5.00	-52.2	Average	-27.0	Pass
		5700.0	-44.20	5.00	-39.2	Peak	10	Pass
		5700.0	-56.00	5.00	-51	Average	10	Pass
		5720.0	-39.75	5.00	-34.75	Peak	15.6	Pass
		5720.0	-54.49	5.00	-49.49	Average	15.6	Pass
		5725.0	-40.48	5.00	-35.48	Peak	27.0	Pass
		5725.0	-53.52	5.00	-48.52	Average	27.0	Pass
	159	5850.0	-44.80	5.00	-39.8	Peak	27.0	Pass
		5850.0	-55.57	5.00	-50.57	Average	27.0	Pass
		5855.0	-43.96	5.00	-38.96	Peak	15.6	Pass
		5855.0	-55.78	5.00	-50.78	Average	15.6	Pass
		5875.0	-45.24	5.00	-40.24	Peak	10	Pass
		5875.0	-56.24	5.00	-51.24	Average	10	Pass
		5925.0	-45.62	5.00	-40.62	Peak	-27.0	Pass
11AC8 0 SISO	155	5925.0	-57.40	5.00	-52.4	Average	-27.0	Pass
		5725.0	-38.96	5.00	-33.96	Peak	27.0	Pass
		5720.0	-40.34	5.00	-35.34	Peak	15.6	Pass
		5700.0	-41.78	5.00	-36.78	Peak	10	Pass
		5650.0	-48.49	5.00	-43.49	Peak	-27.0	Pass
		5725.0	-51.87	5.00	-46.87	Average	27.0	Pass
		5720.0	-52.23	5.00	-47.23	Average	15.6	Pass
		5700.0	-54.11	5.00	-49.11	Average	10	Pass
		5650.0	-58.10	5.00	-53.1	Average	-27.0	Pass
		5850.0	-41.19	5.00	-36.19	Peak	27.0	Pass
		5855.0	-42.25	5.00	-37.25	Peak	15.6	Pass
		5875.0	-45.67	5.00	-40.67	Peak	10	Pass
		5925.0	-46.27	5.00	-41.27	Peak	-27.0	Pass
		5850.0	-54.34	5.00	-49.34	Average	27.0	Pass
		5855.0	-54.64	5.00	-49.64	Average	15.6	Pass
		5875.0	-56.63	5.00	-51.63	Average	10	Pass
		5925.0	-57.70	5.00	-52.7	Average	-27.0	Pass

ANT0+ANT1:

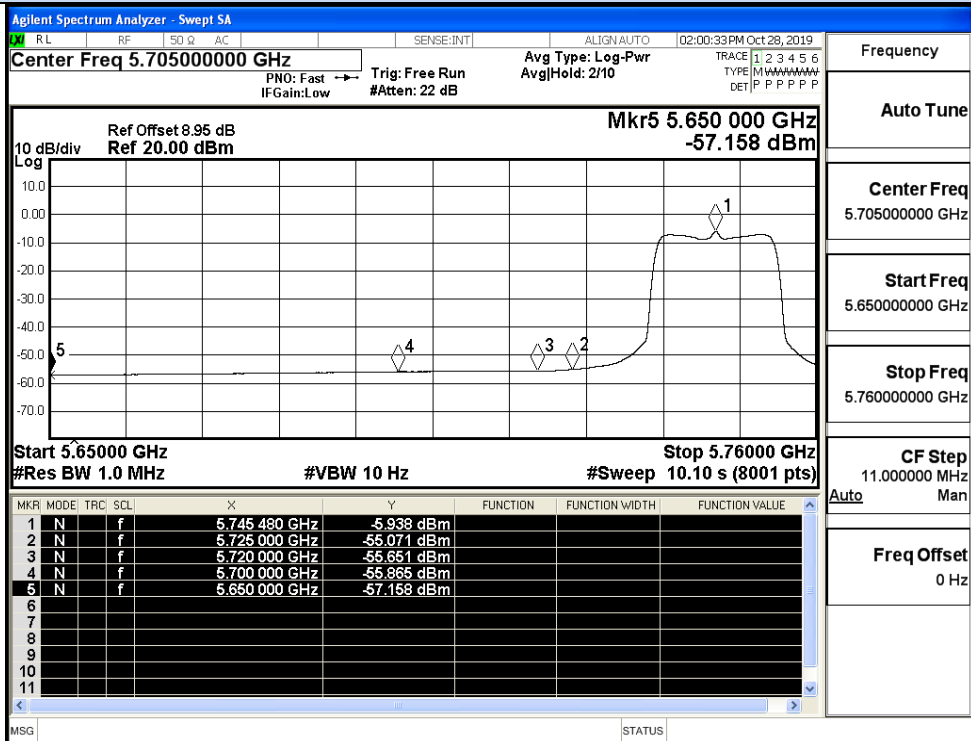
Test Mode	Channel	Frequency (MHz)	Covert Radiated E Level At 3m (dBuV/m)			Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
			Ant0	Ant1	Sum					
11N20 MIMO	149	5650.0	-45.26	-45.87	-42.54	8.01	-34.53	Peak	-27.0	Pass
		5650.0	-57.13	-57.07	-54.09	8.01	-46.08	Average	-27.0	Pass
		5700.0	-42.03	-44.12	-39.94	8.01	-31.93	Peak	10	Pass
		5700.0	-55.54	-55.43	-52.47	8.01	-44.46	Average	10	Pass
		5720.0	-44.24	-43.47	-40.83	8.01	-32.82	Peak	15.6	Pass
		5720.0	-55.81	-55.71	-52.75	8.01	-44.74	Average	15.6	Pass
		5725.0	-41.74	-42.93	-39.28	8.01	-31.27	Peak	27.0	Pass
		5725.0	-54.81	-54.76	-51.77	8.01	-43.76	Average	27.0	Pass
	165	5850.0	-42.21	-43.68	-39.87	8.01	-31.86	Peak	27.0	Pass
		5850.0	-55.21	-55.2	-52.19	8.01	-44.18	Average	27.0	Pass
		5855.0	-42.54	-42.9	-39.71	8.01	-31.70	Peak	15.6	Pass
		5855.0	-55.41	-55.37	-52.38	8.01	-44.37	Average	15.6	Pass
		5875.0	-44.51	-43.87	-41.17	8.01	-33.16	Peak	10	Pass
		5875.0	-55.98	-55.97	-52.96	8.01	-44.95	Average	10	Pass
		5925.0	-45.84	-45.38	-42.59	8.01	-34.58	Peak	-27.0	Pass
11N40 MIMO	151	5650.0	-45.36	-45.77	-42.55	8.01	-34.54	Peak	-27.0	Pass
		5650.0	-57.75	-57.45	-54.59	8.01	-46.58	Average	-27.0	Pass
		5700.0	-45.45	-44.74	-42.07	8.01	-34.06	Peak	10	Pass
		5700.0	-56.55	-56.29	-53.41	8.01	-45.40	Average	10	Pass
		5720.0	-42.14	-40.06	-37.97	8.01	-29.96	Peak	15.6	Pass
		5720.0	-54.22	-53.86	-51.03	8.01	-43.02	Average	15.6	Pass
		5725.0	-39.76	-39.52	-36.63	8.01	-28.62	Peak	27.0	Pass
		5725.0	-53.17	-52.77	-49.96	8.01	-41.95	Average	27.0	Pass
	159	5850.0	-44.54	-44.77	-41.64	8.01	-33.63	Peak	27.0	Pass
		5850.0	-56.05	-55.8	-52.91	8.01	-44.90	Average	27.0	Pass
		5855.0	-43.58	-44.69	-41.09	8.01	-33.08	Peak	15.6	Pass
		5855.0	-56.25	-56.01	-53.12	8.01	-45.11	Average	15.6	Pass
		5875.0	-44.24	-45.45	-41.79	8.01	-33.78	Peak	10	Pass
		5875.0	-56.76	-56.51	-53.62	8.01	-45.61	Average	10	Pass
		5925.0	-46.45	-46.08	-43.25	8.01	-35.24	Peak	-27.0	Pass
11AC20 MIMO	149	5650.0	-43.26	-44.11	-40.65	8.01	-32.64	Peak	-27.0	Pass
		5650.0	-56.99	-55.76	-53.32	8.01	-45.31	Average	-27.0	Pass
		5700.0	-43.61	-42.88	-40.22	8.01	-32.21	Peak	10	Pass
		5700.0	-55.44	-54.06	-51.69	8.01	-43.68	Average	10	Pass
		5720.0	-42.73	-41.76	-39.21	8.01	-31.20	Peak	15.6	Pass
		5720.0	-55.73	-54.37	-51.99	8.01	-43.98	Average	15.6	Pass
		5725.0	-41.4	-41.98	-38.67	8.01	-30.66	Peak	27.0	Pass
	165	5725.0	-54.72	-53.6	-51.11	8.01	-43.10	Average	27.0	Pass
		5850.0	-43.28	-41.6	-39.35	8.01	-31.34	Peak	27.0	Pass
		5850.0	-55.31	-54.48	-51.86	8.01	-43.85	Average	27.0	Pass
		5855.0	-44.04	-42.99	-40.47	8.01	-32.46	Peak	15.6	Pass
		5855.0	-55.51	-54.71	-52.08	8.01	-44.07	Average	15.6	Pass
		5875.0	-44.07	-43.42	-40.72	8.01	-32.71	Peak	10	Pass
		5875.0	-56.12	-55.29	-52.67	8.01	-44.66	Average	10	Pass
11AC40 MIMO	151	5925.0	-45.77	-44.91	-42.31	8.01	-34.30	Peak	-27.0	Pass
		5925.0	-57.21	-56.56	-53.86	8.01	-45.85	Average	-27.0	Pass
	159	5650.0	-46.51	-44.72	-42.51	8.01	-34.50	Peak	-27.0	Pass
		5650.0	-57.73	-57.2	-54.45	8.01	-46.44	Average	-27.0	Pass
		5700.0	-44.54	-44.2	-41.36	8.01	-33.35	Peak	10	Pass
		5700.0	-56.54	-56	-53.25	8.01	-45.24	Average	10	Pass
		5720.0	-42.41	-39.75	-37.87	8.01	-29.86	Peak	15.6	Pass
		5720.0	-54.27	-54.49	-51.37	8.01	-43.36	Average	15.6	Pass
	159	5725.0	-38.77	-40.48	-36.53	8.01	-28.52	Peak	27.0	Pass
		5725.0	-53.2	-53.52	-50.35	8.01	-42.34	Average	27.0	Pass
		5850.0	-45.05	-44.8	-41.91	8.01	-33.90	Peak	27.0	Pass
		5850.0	-56.1	-55.57	-52.82	8.01	-44.81	Average	27.0	Pass
		5855.0	-43.59	-43.96	-40.76	8.01	-32.75	Peak	15.6	Pass
		5855.0	-56.27	-55.78	-53.01	8.01	-45.00	Average	15.6	Pass
		5875.0	-44.59	-45.24	-41.89	8.01	-33.88	Peak	10	Pass
		5875.0	-56.82	-56.24	-53.51	8.01	-45.50	Average	10	Pass
		5925.0	-45.4	-45.62	-42.50	8.01	-34.49	Peak	-27.0	Pass
		5925.0	-57.8	-57.4	-54.59	8.01	-46.58	Average	-27.0	Pass

11AC80 MIMO	155	5725.0	-42.11	-38.96	-37.25	8.01	-29.24	Peak	27.0	Pass
		5720.0	-44.3	-40.34	-38.87	8.01	-30.86	Peak	15.6	Pass
		5700.0	-44.64	-41.78	-39.97	8.01	-31.96	Peak	10	Pass
		5650.0	-48.15	-48.49	-45.31	8.01	-37.30	Peak	-27.0	Pass
		5725.0	-54.07	-51.87	-49.82	8.01	-41.81	Average	27.0	Pass
		5720.0	-54.28	-52.23	-50.12	8.01	-42.11	Average	15.6	Pass
		5700.0	-55.46	-54.11	-51.72	8.01	-43.71	Average	10	Pass
		5650.0	-58.26	-58.1	-55.17	8.01	-47.16	Average	-27.0	Pass
		5850.0	-43.06	-41.19	-39.01	8.01	-31.00	Peak	27.0	Pass
		5855.0	-44.35	-42.25	-40.16	8.01	-32.15	Peak	15.6	Pass
		5875.0	-45.36	-45.67	-42.50	8.01	-34.49	Peak	10	Pass
		5925.0	-47.26	-46.27	-43.73	8.01	-35.72	Peak	-27.0	Pass
		5850.0	-55.56	-54.34	-51.90	8.01	-43.89	Average	27.0	Pass
		5855.0	-55.75	-54.64	-52.15	8.01	-44.14	Average	15.6	Pass
		5875.0	-56.98	-56.63	-53.79	8.01	-45.78	Average	10	Pass
		5925.0	-58.03	-57.7	-54.85	8.01	-46.84	Average	-27.0	Pass

Undesirable Emissions Measurement (Antenna 0)

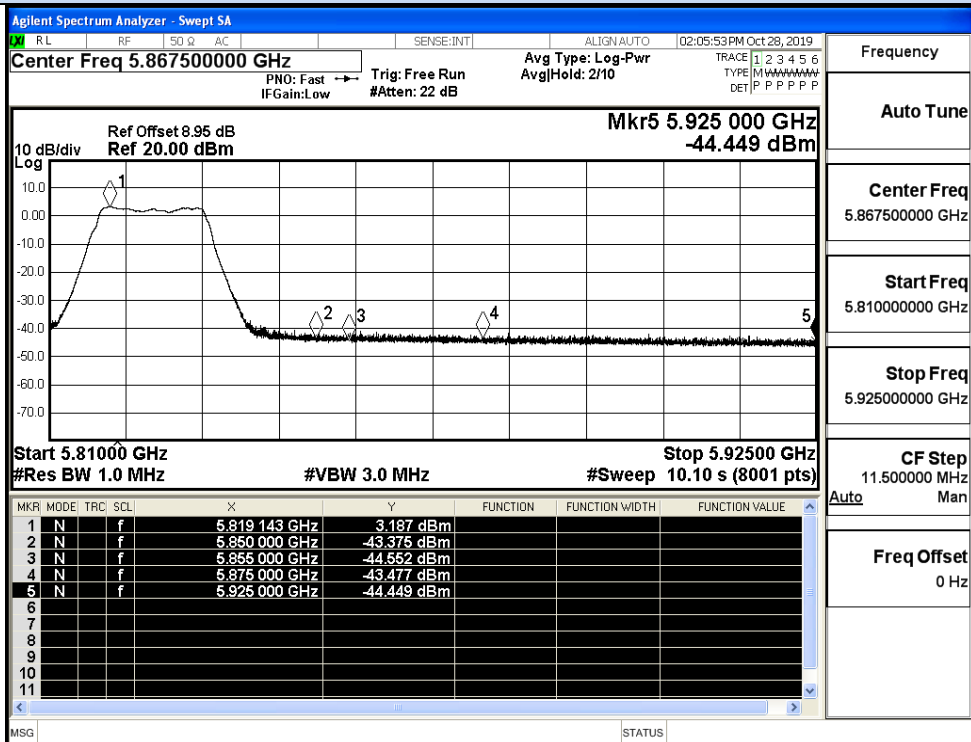


IEEE 802.11a / Channel 149 / 5745MHz / Peak

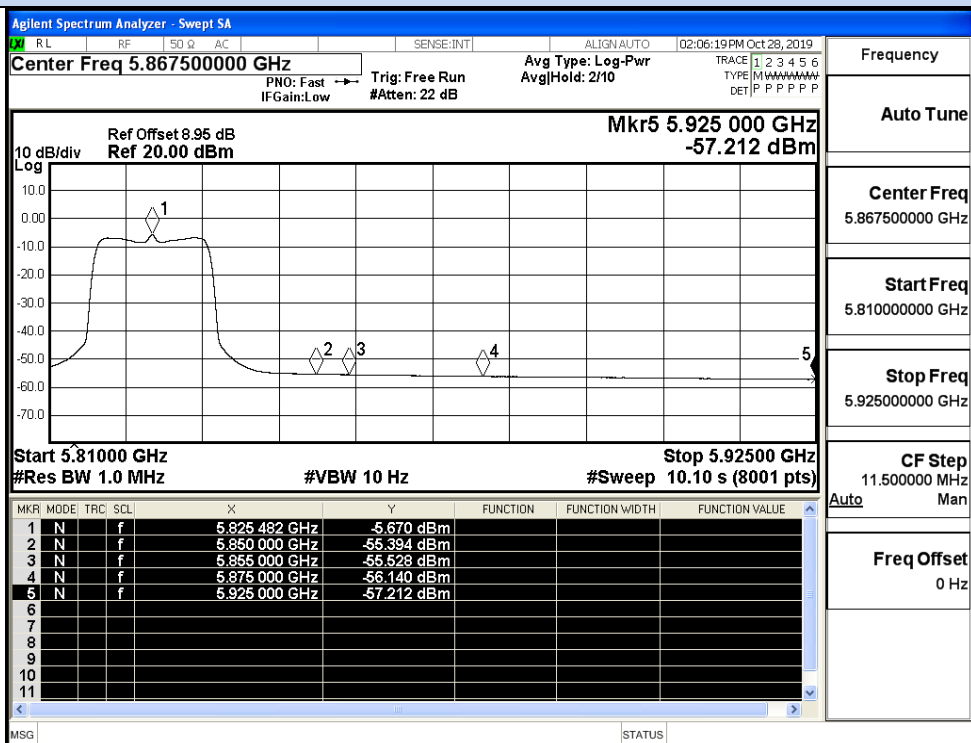


IEEE 802.11a / Channel 148 / 5745MHz / Average

Undesirable Emissions Measurement(Antenna 0)

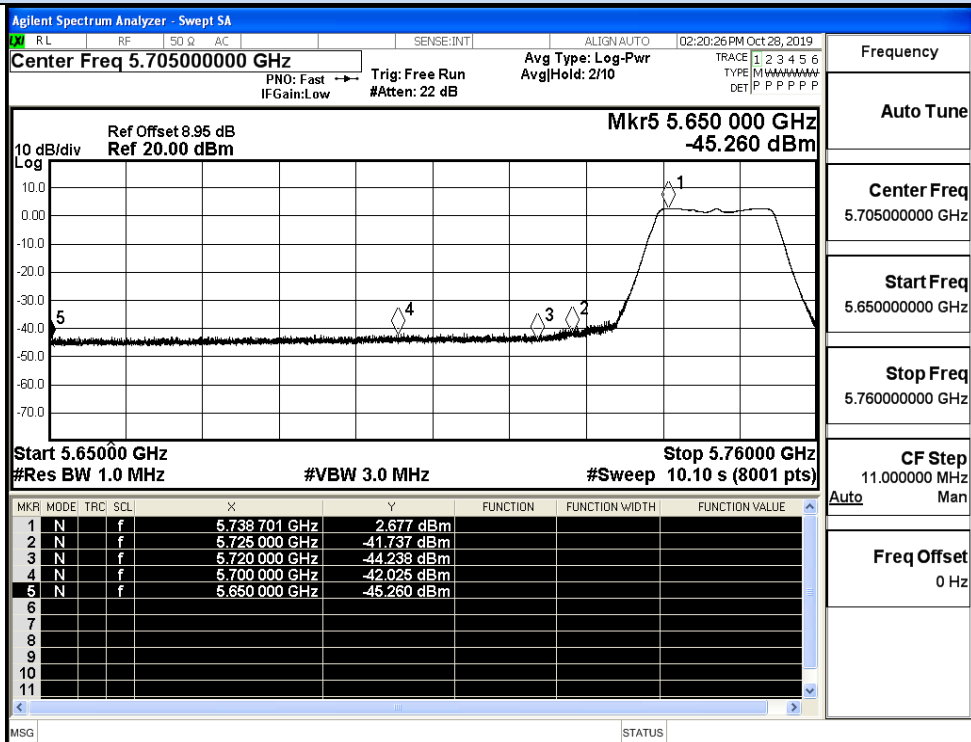


IEEE 802.11a / Channel 165 / 5825MHz / Peak

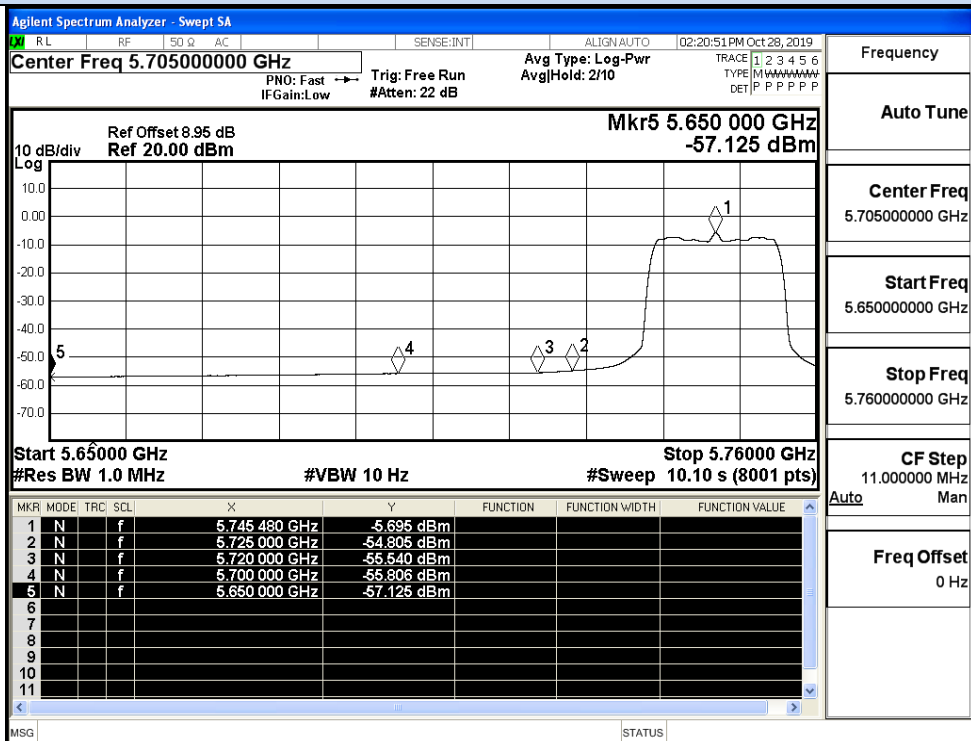


IEEE 802.11a / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement(Antenna 0)

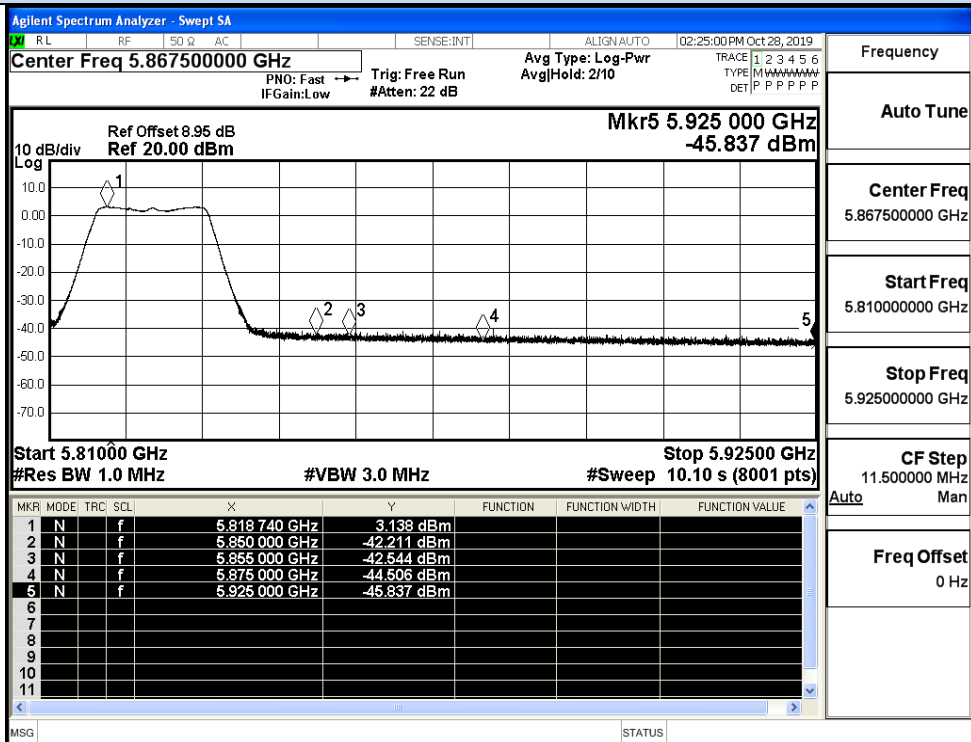


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak

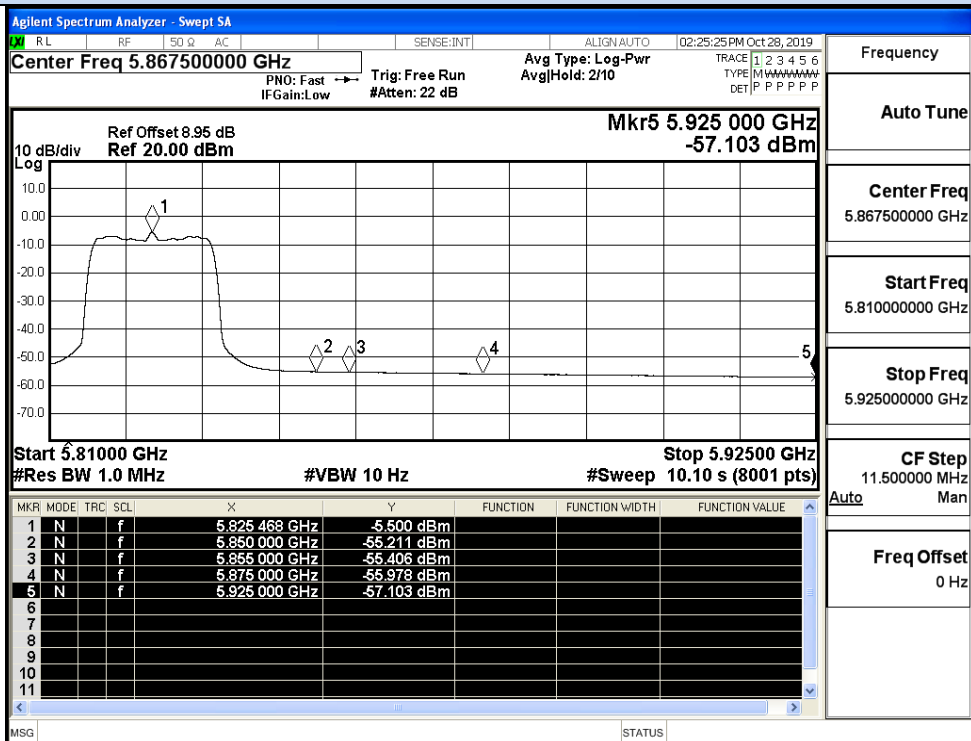


IEEE 802.11n20 / Channel 149 / 5745MHz / Average

Undesirable Emissions Measurement(Antenna 0)

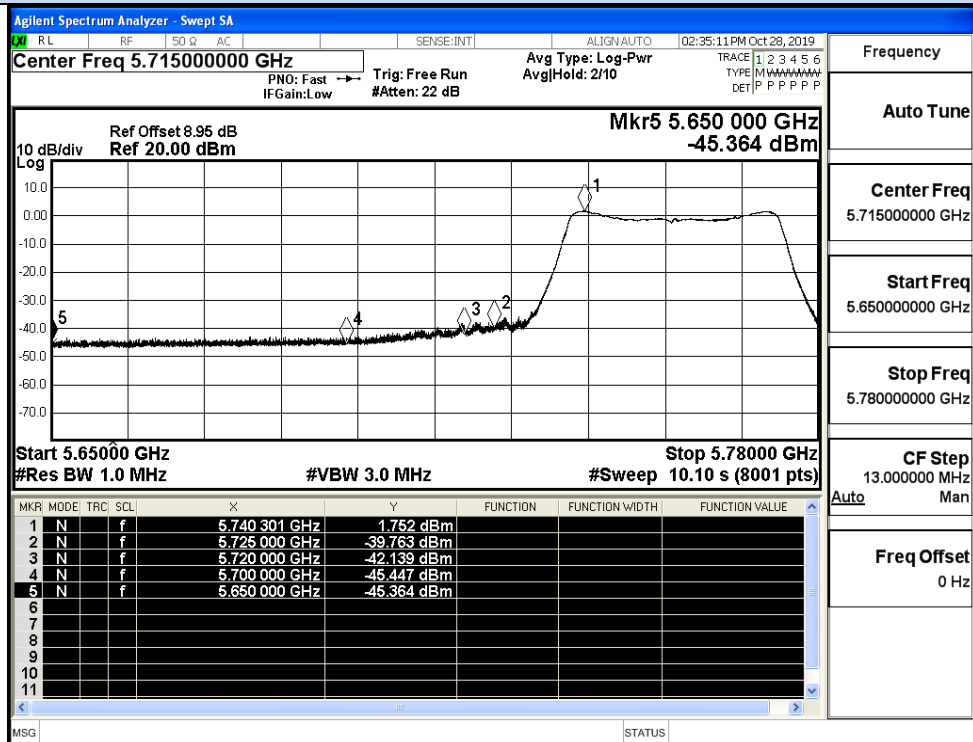


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak

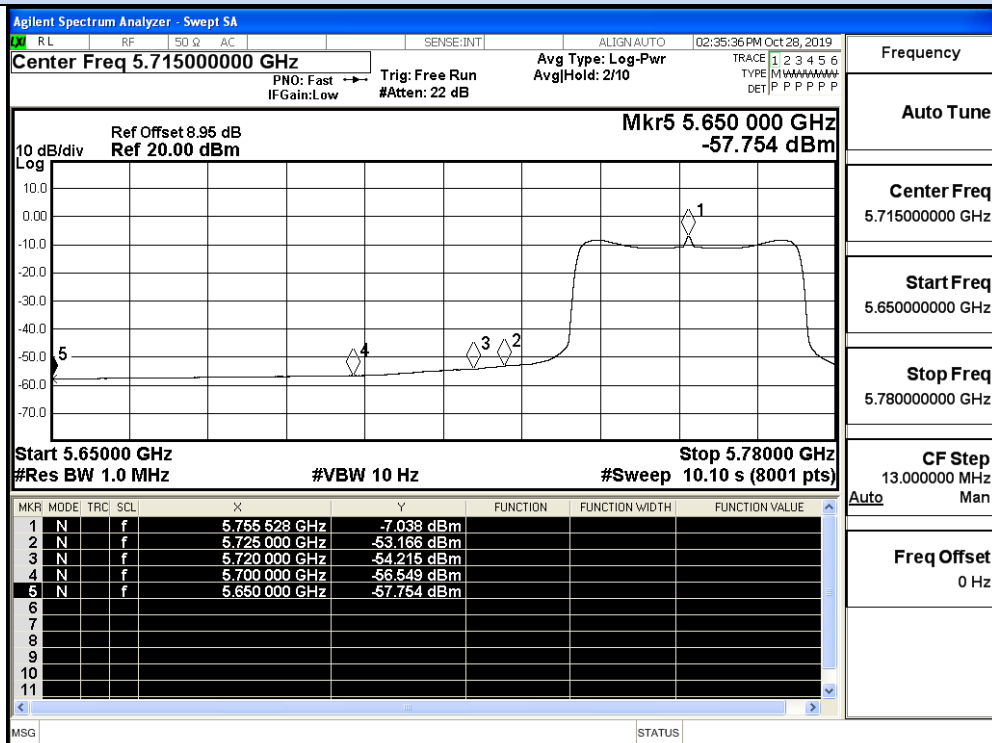


IEEE 802.11n20 / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement(Antenna 0)

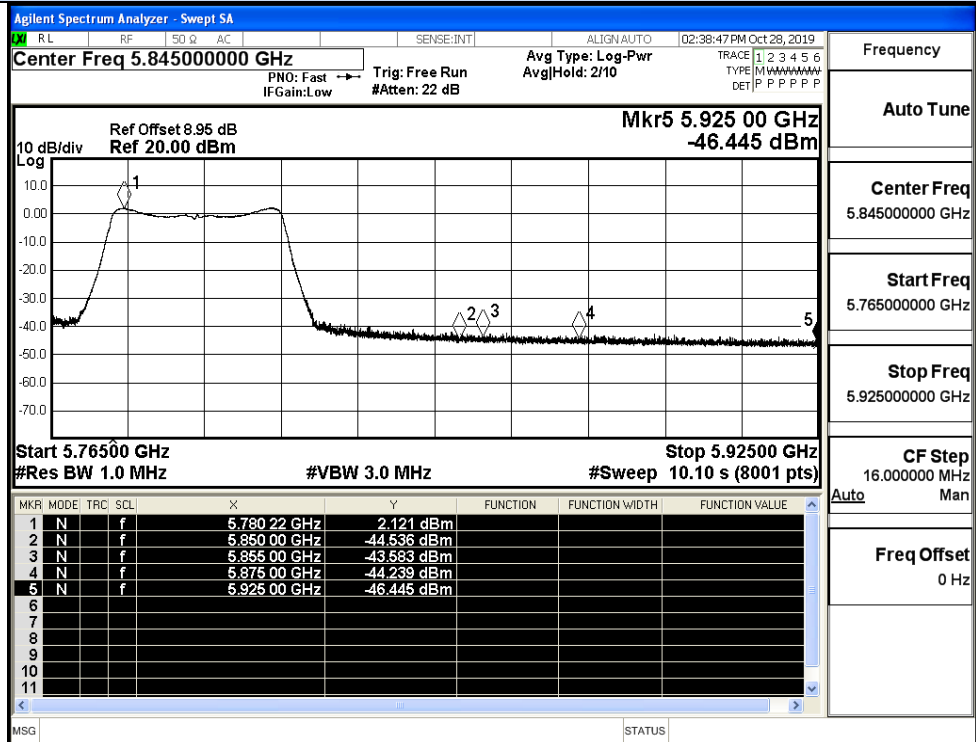


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak

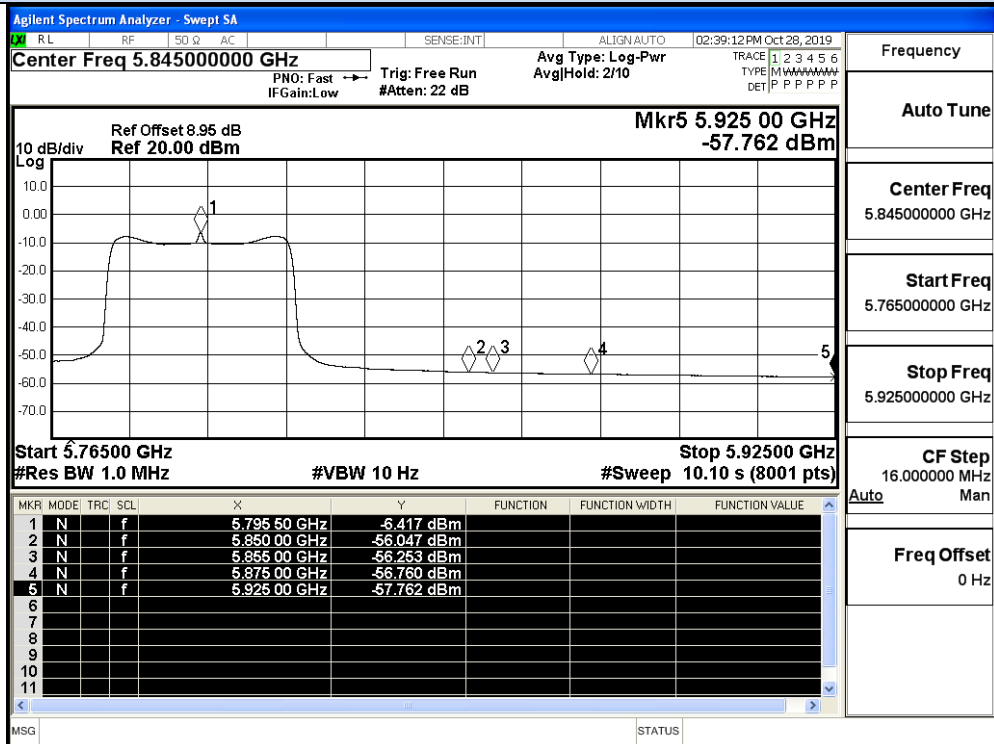


IEEE 802.11n40 / Channel 151 / 5755MHz / Average

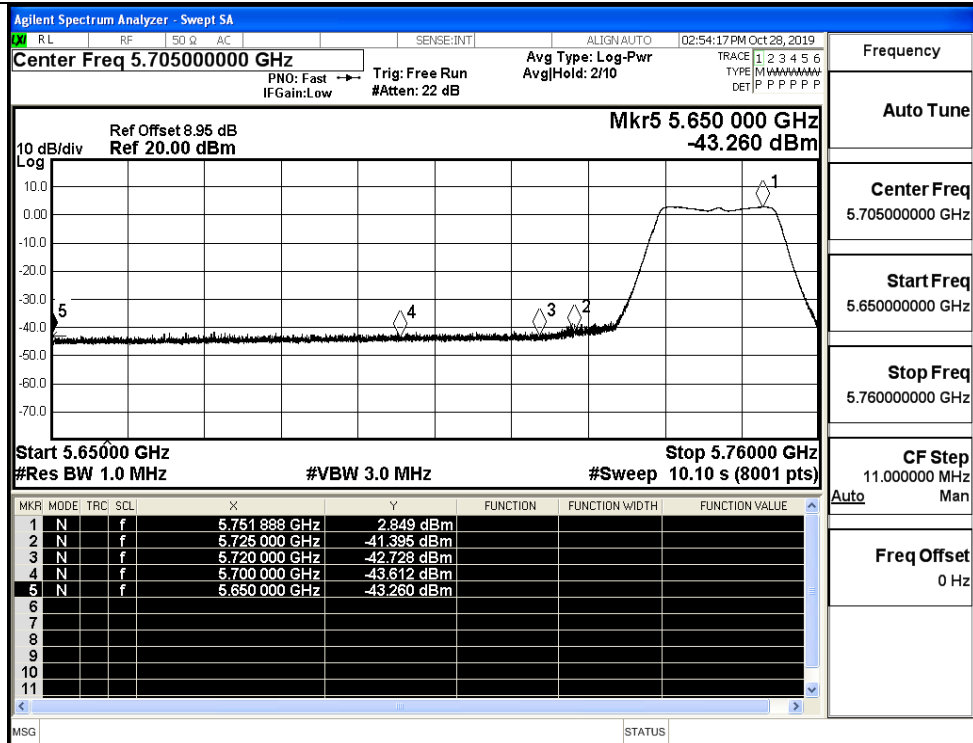
Undesirable Emissions Measurement(Antenna 0)



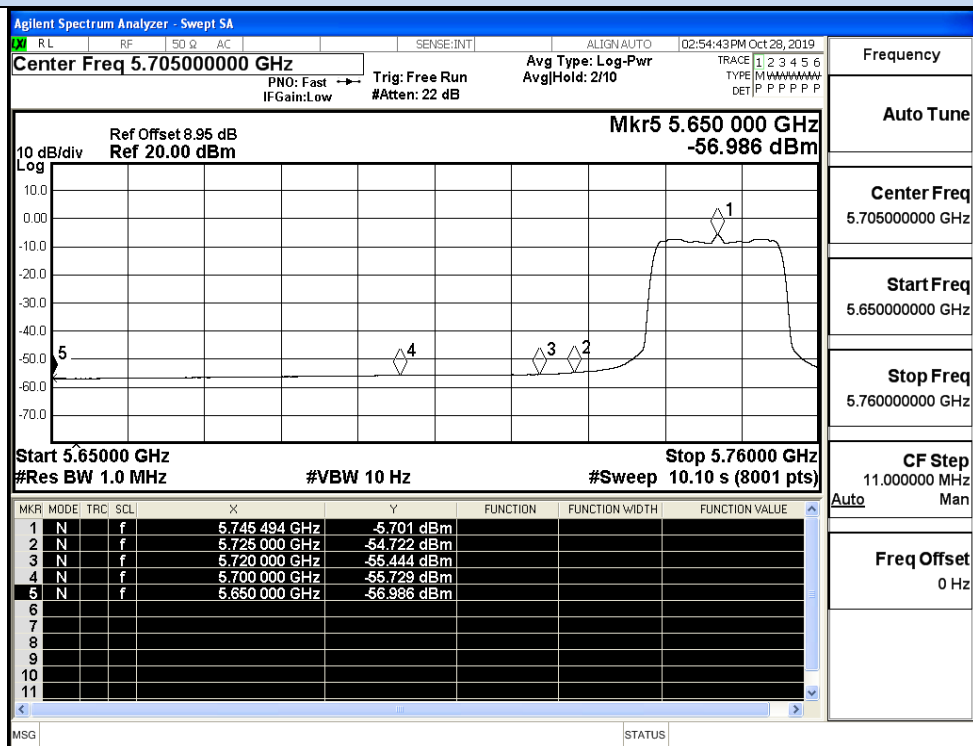
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak



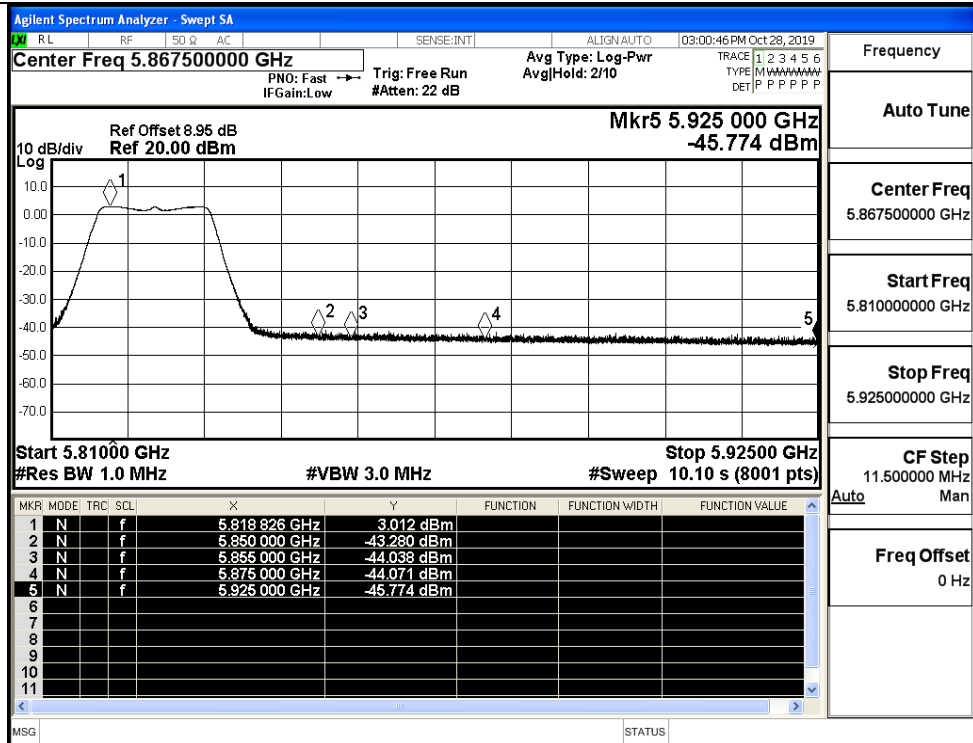
IEEE 802.11n40 / Channel 159 / 5795MHz / Average



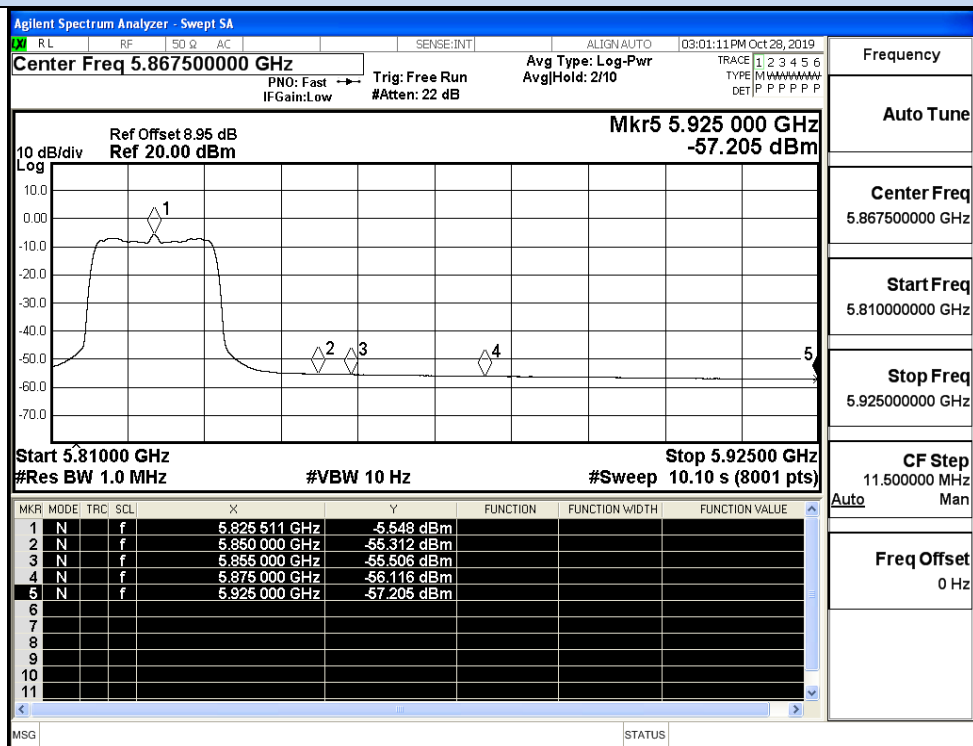
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak



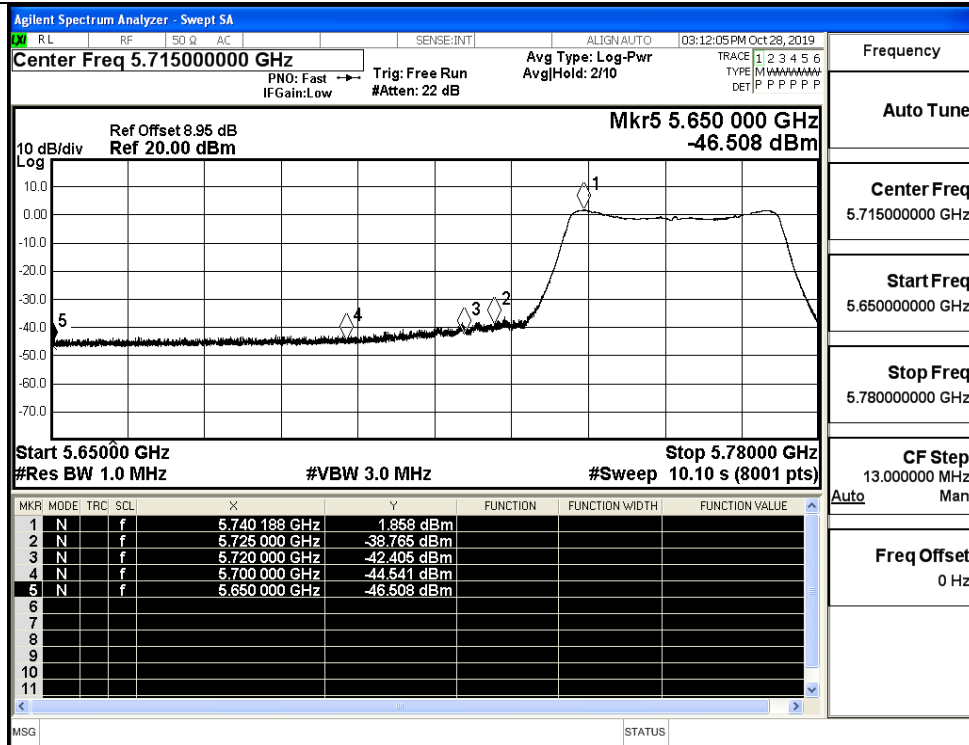
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average



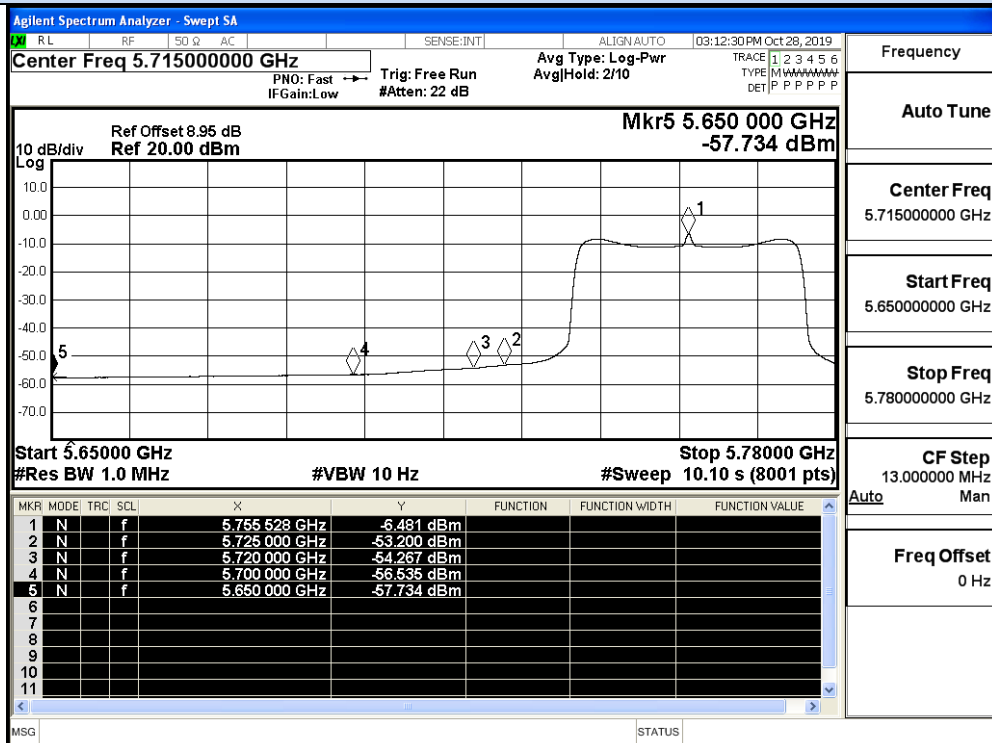
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak



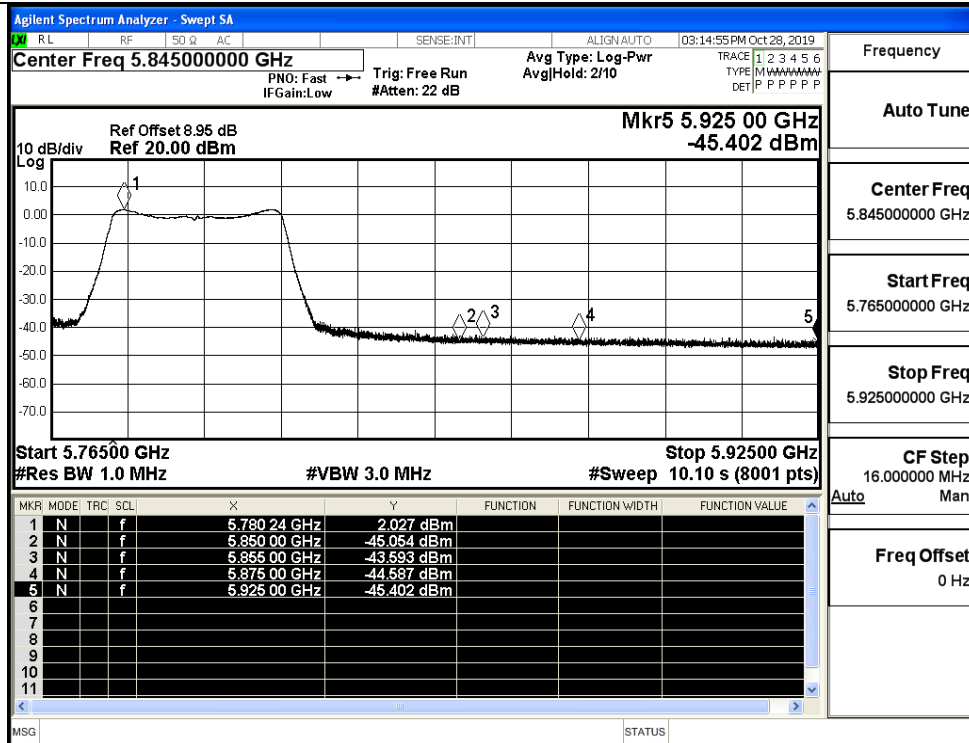
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average



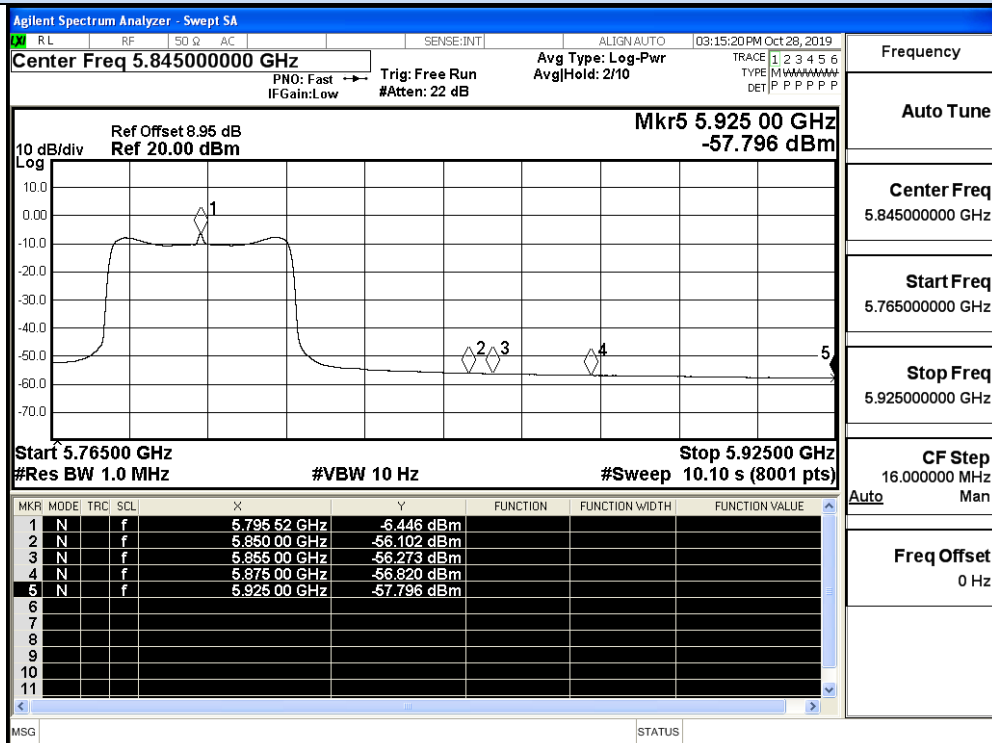
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak



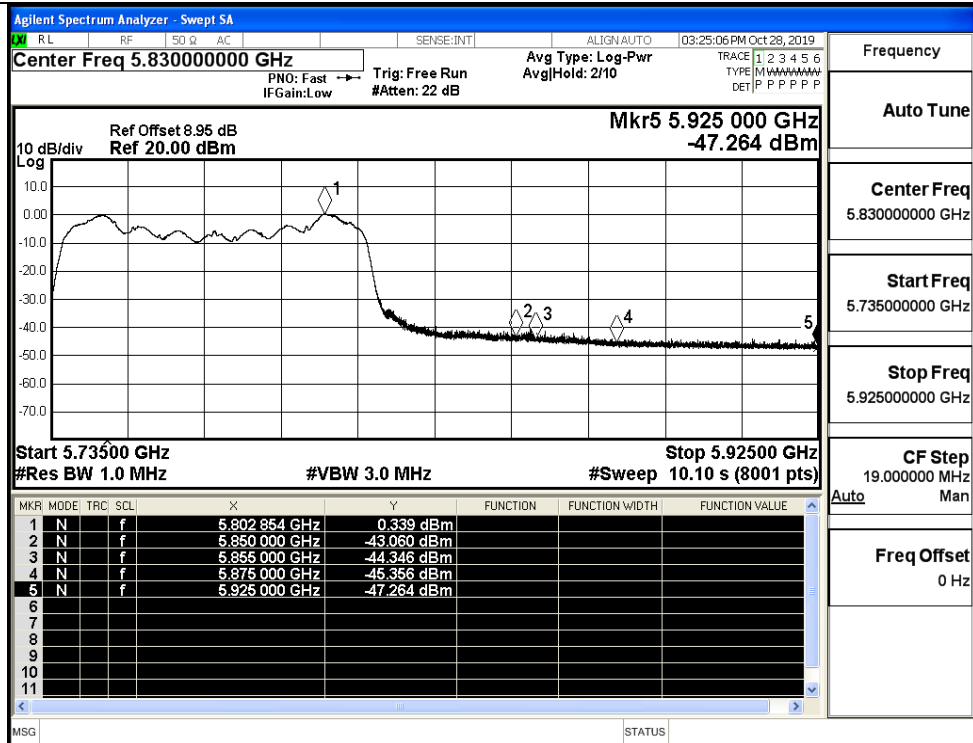
IEEE 802.11ac40 / Channel 151 / 5755MHz / Average



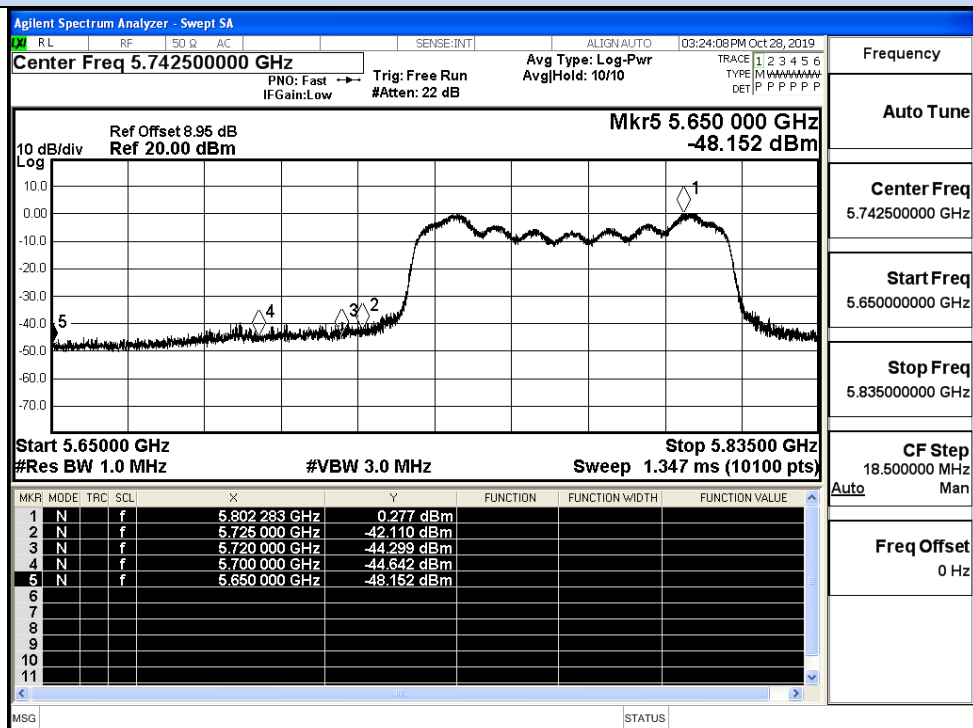
IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak



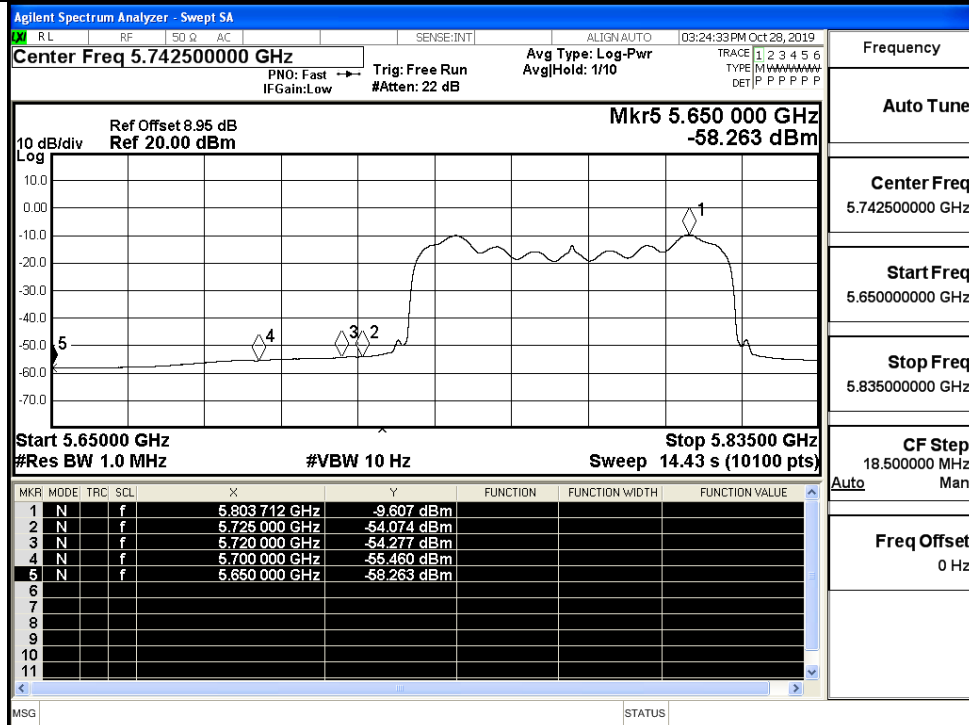
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average



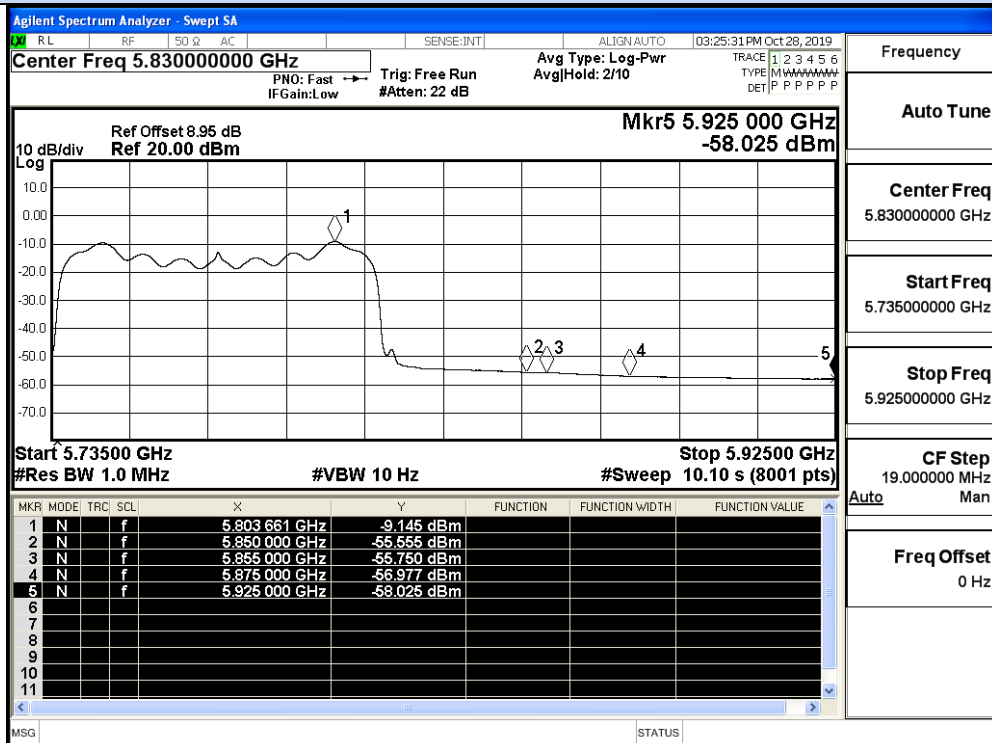
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average

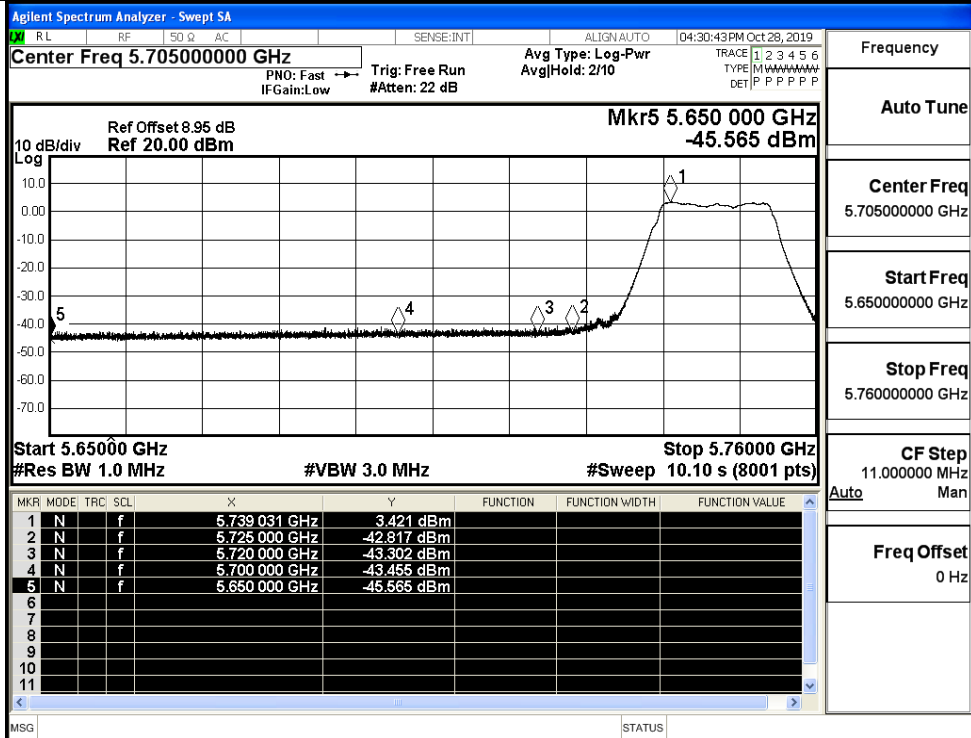


IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak

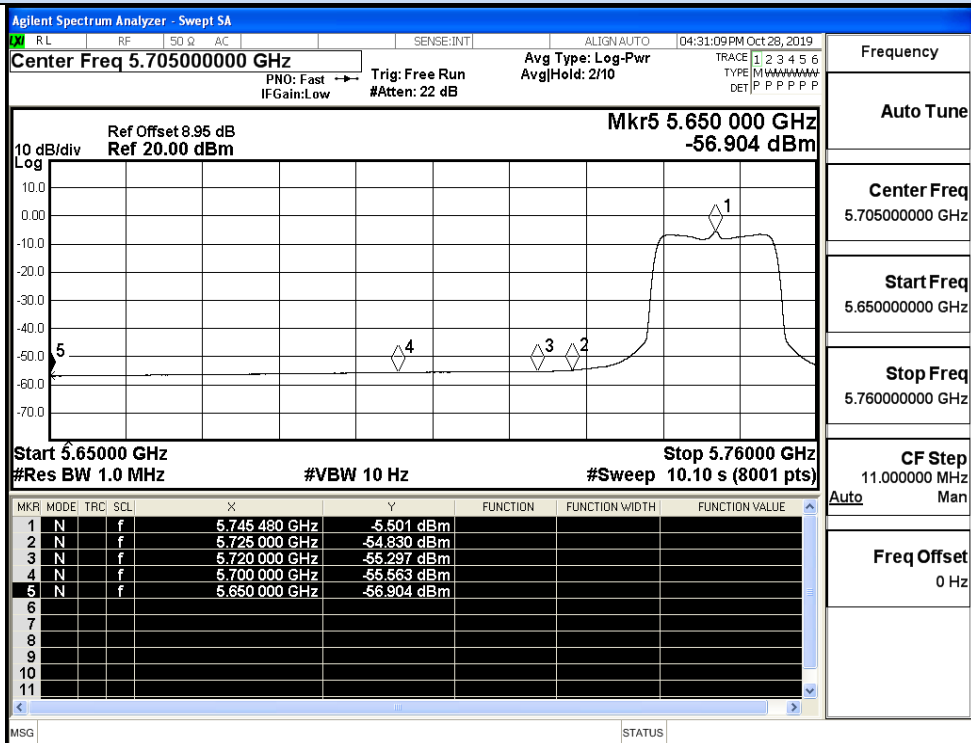


IEEE 802.11ac80 / Channel 155 / 5775MHz / Average

Undesirable Emissions Measurement(Antenna 1)

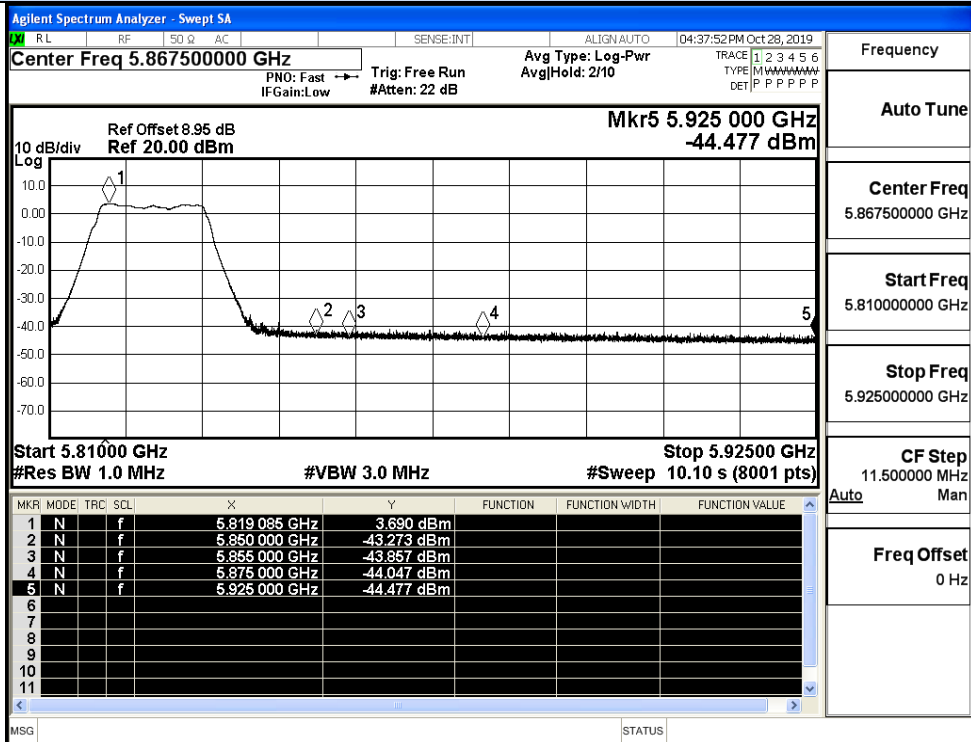


IEEE 802.11a / Channel 149 / 5745MHz / Peak

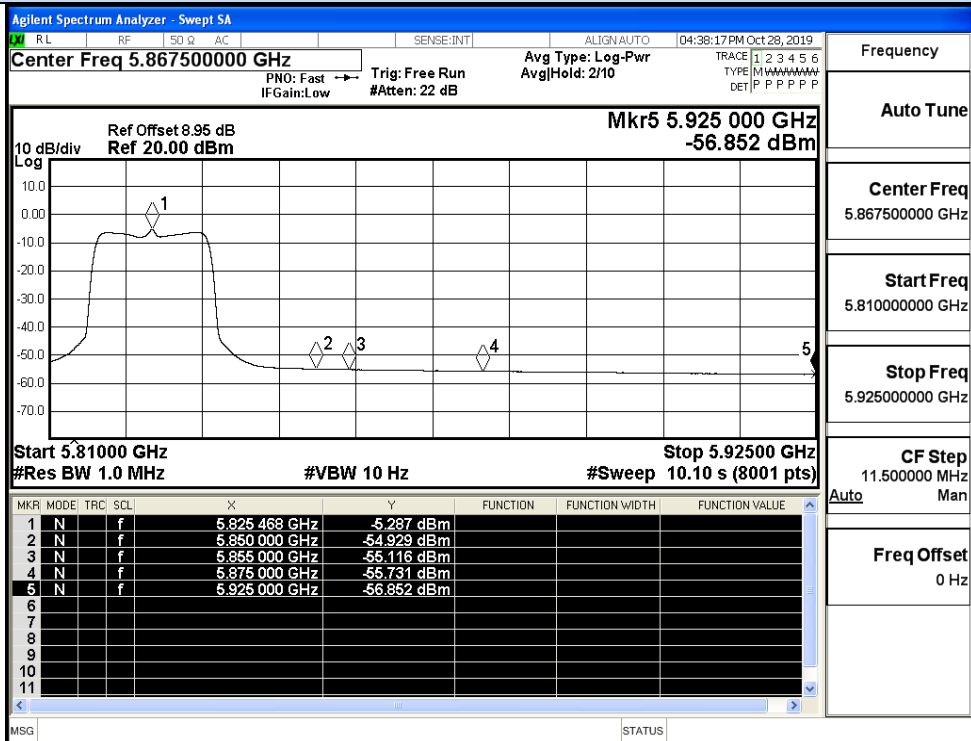


IEEE 802.11a / Channel 148 / 5745MHz / Average

Undesirable Emissions Measurement(Antenna 1)

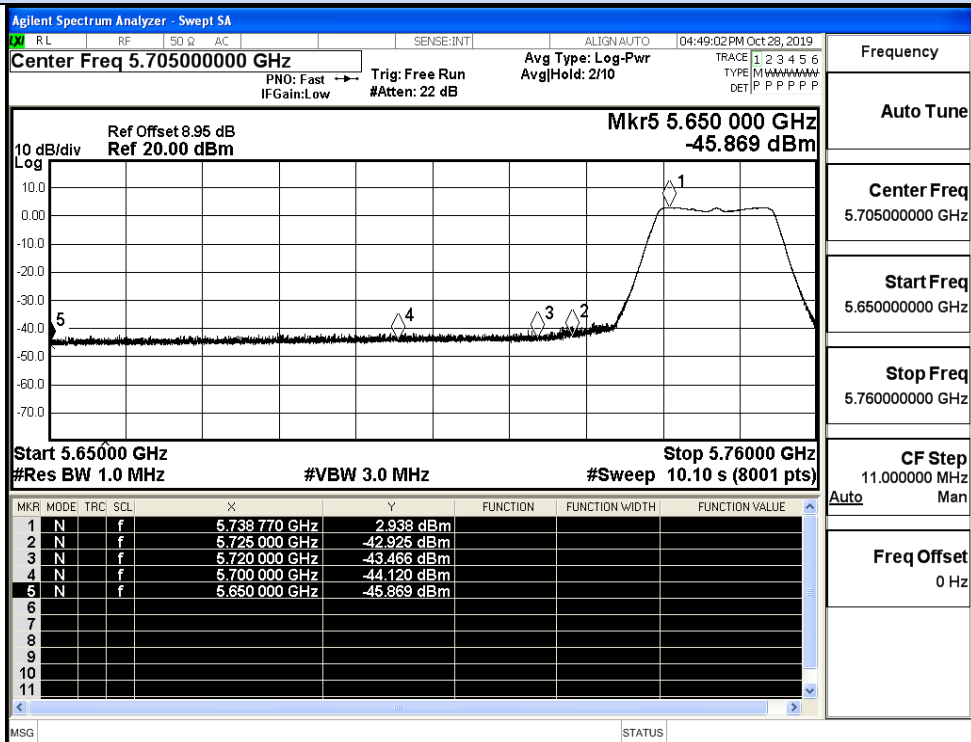


IEEE 802.11a / Channel 165 / 5825MHz / Peak

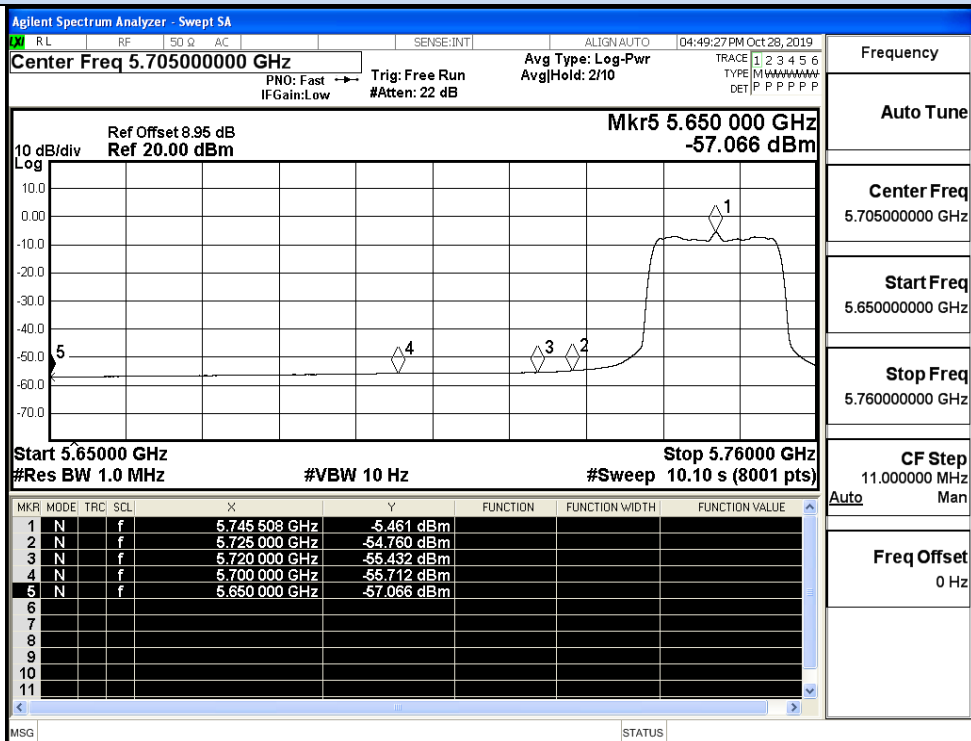


IEEE 802.11a / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement(Antenna 1)

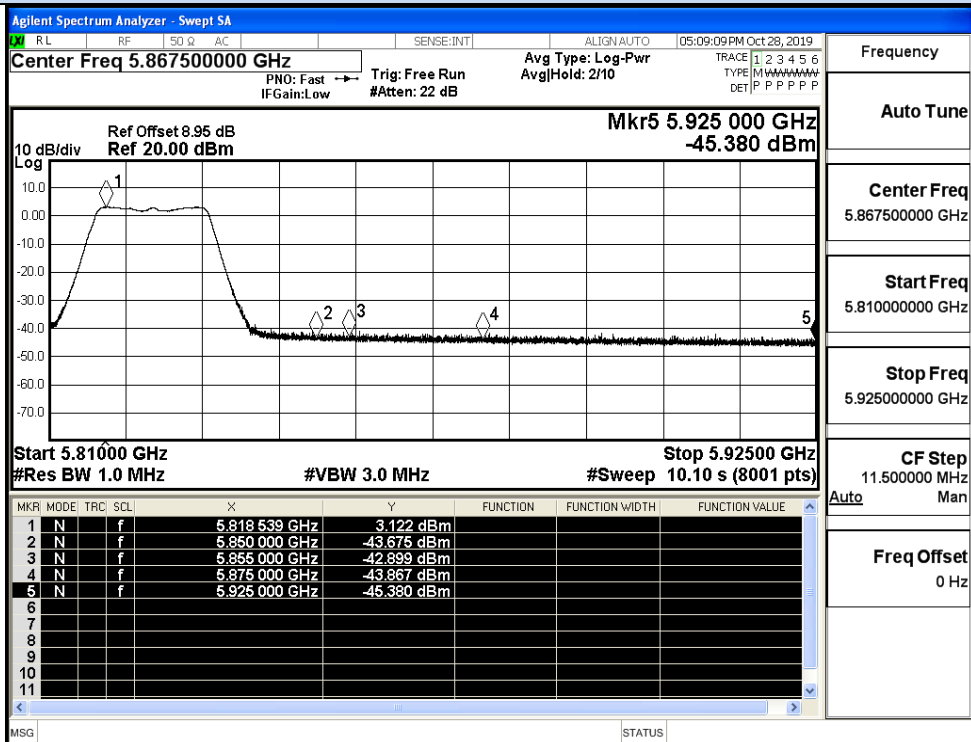


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak

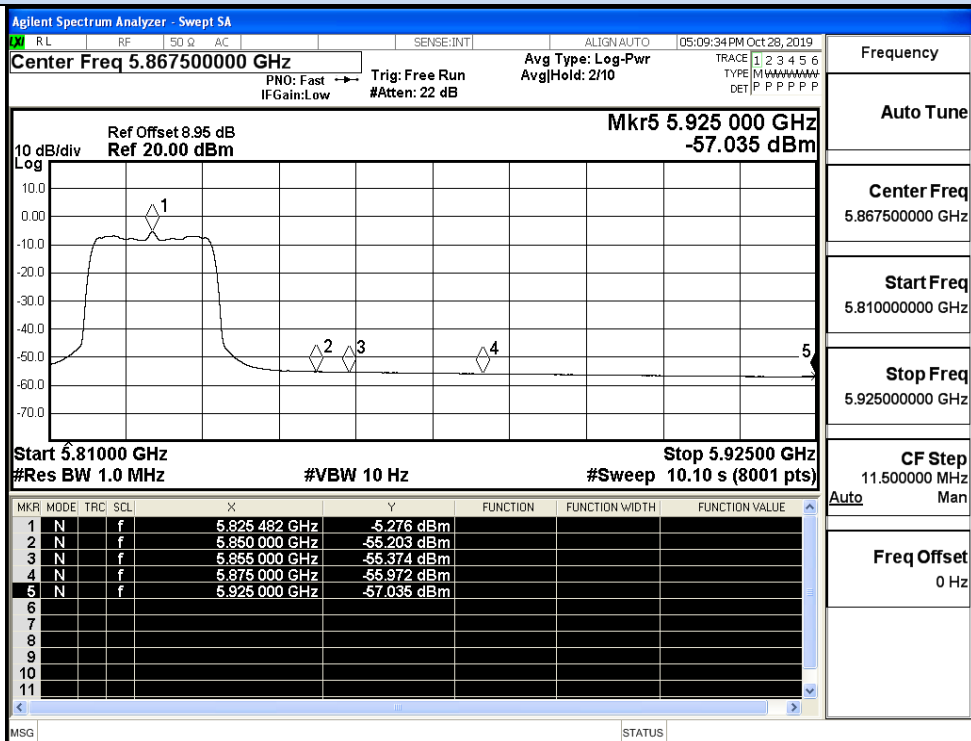


IEEE 802.11n20 / Channel 149 / 5745MHz / Average

Undesirable Emissions Measurement(Antenna 1)

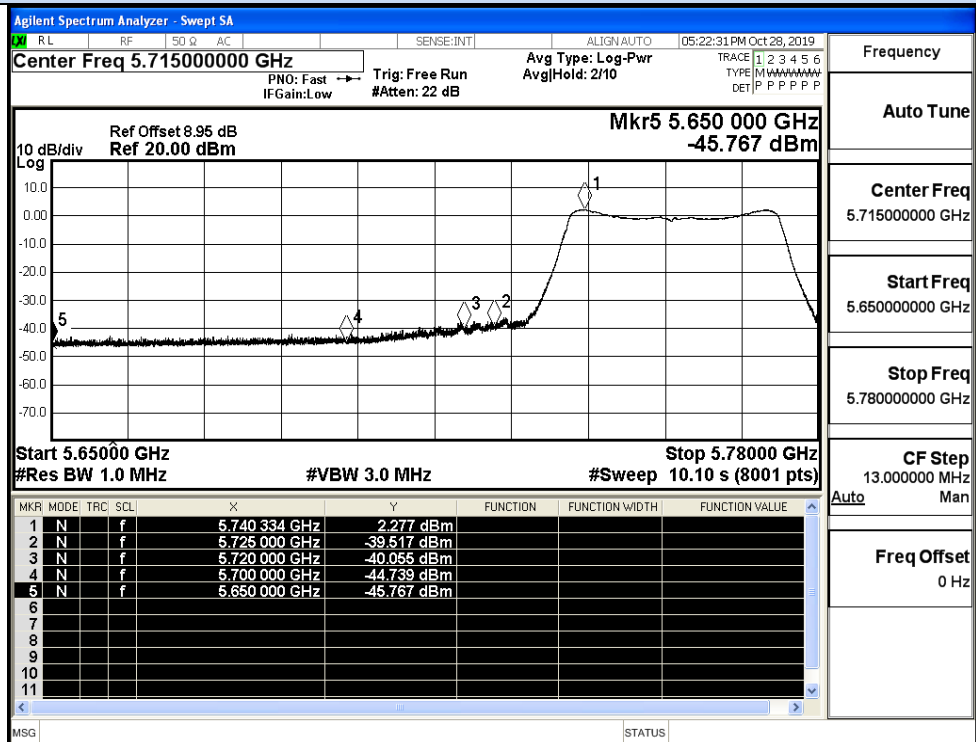


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak

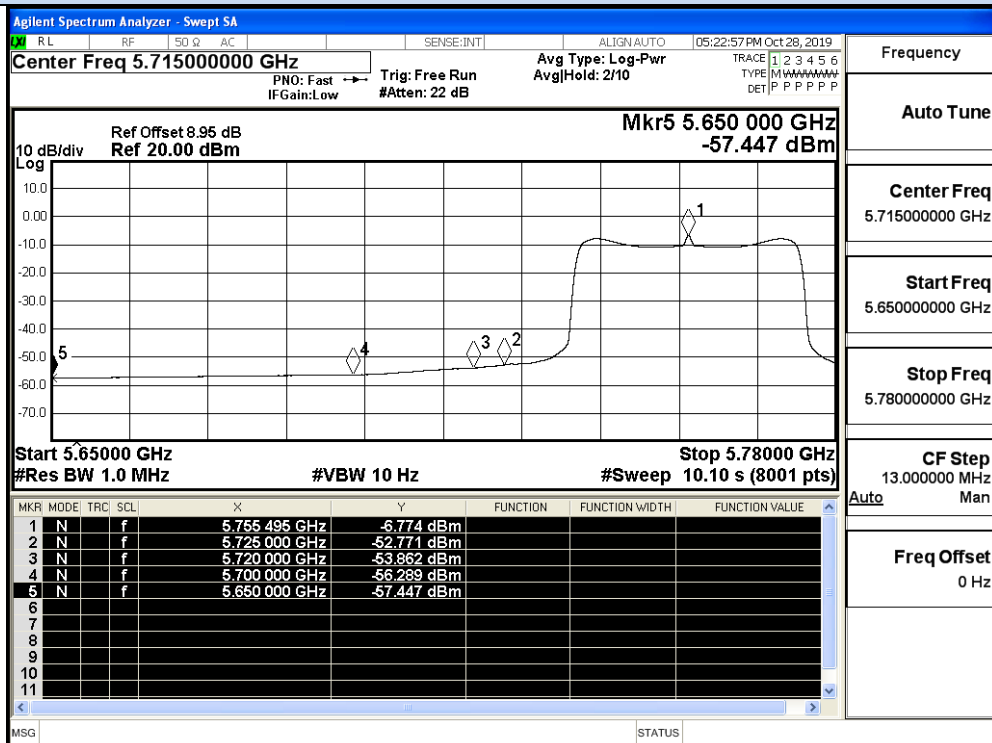


IEEE 802.11n20 / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement(Antenna 1)

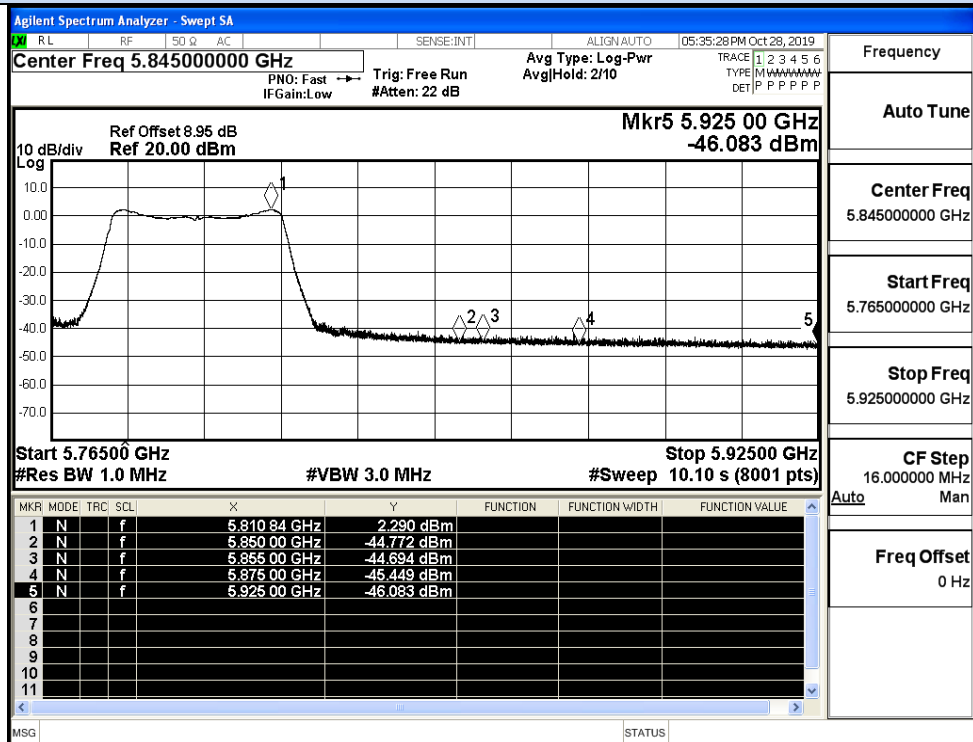


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak

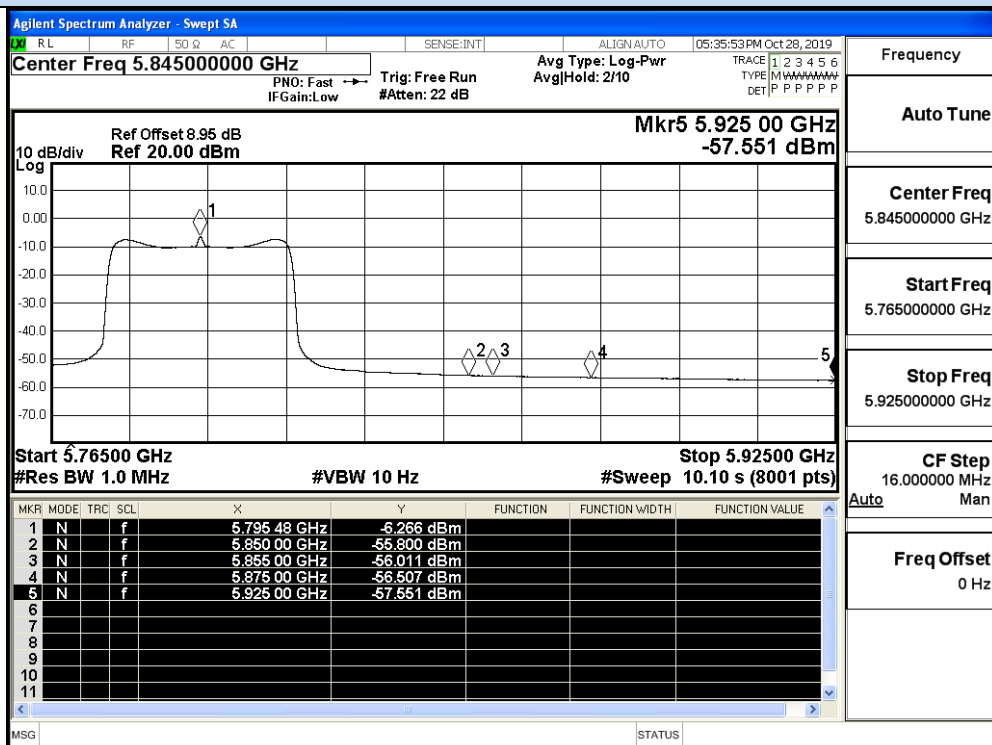


IEEE 802.11n40 / Channel 151 / 5755MHz / Average

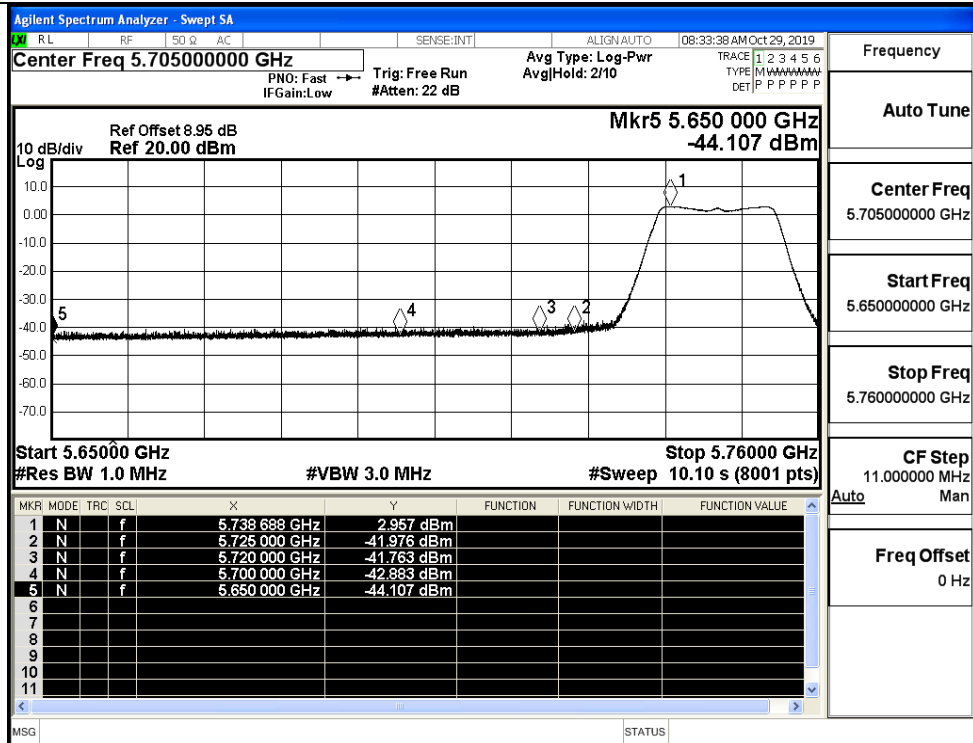
Undesirable Emissions Measurement(Antenna 1)



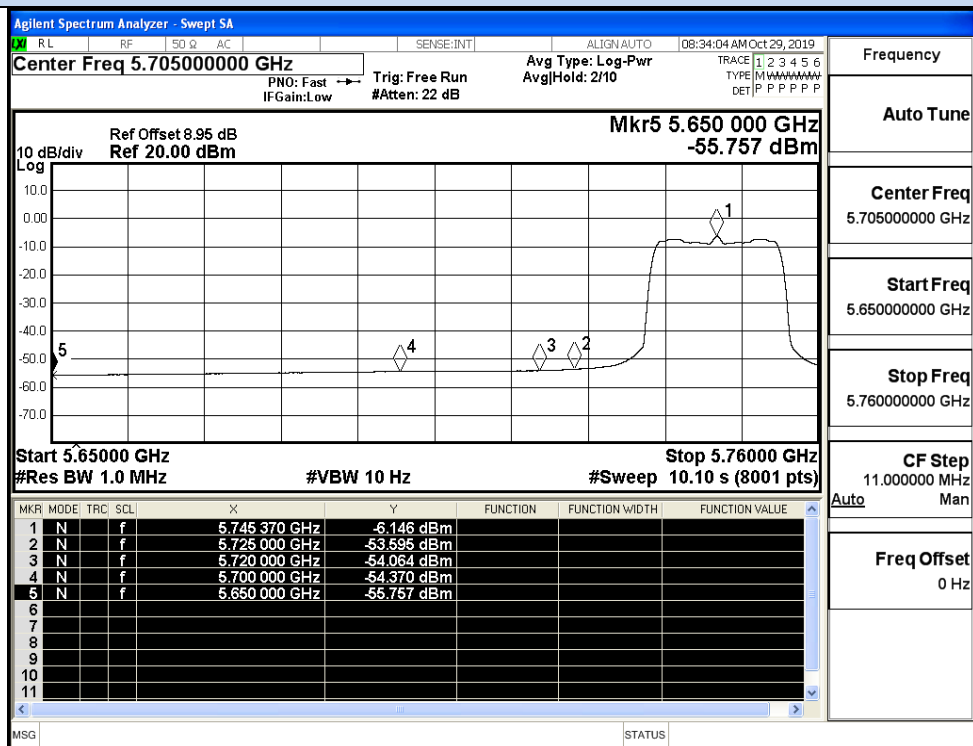
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak



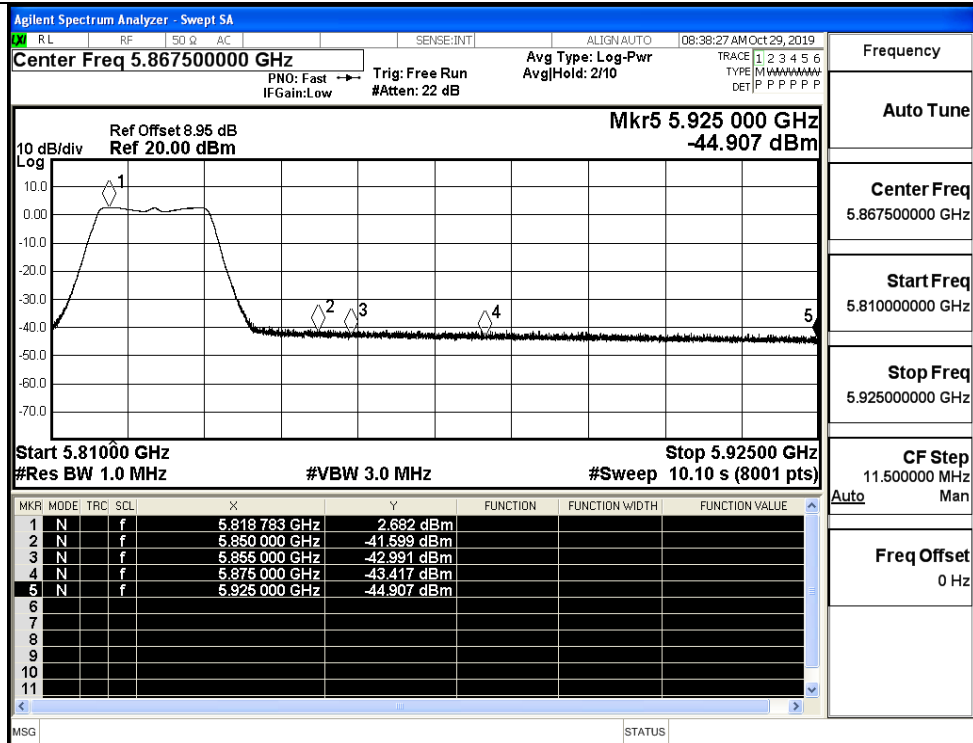
IEEE 802.11n40 / Channel 159 / 5795MHz / Average



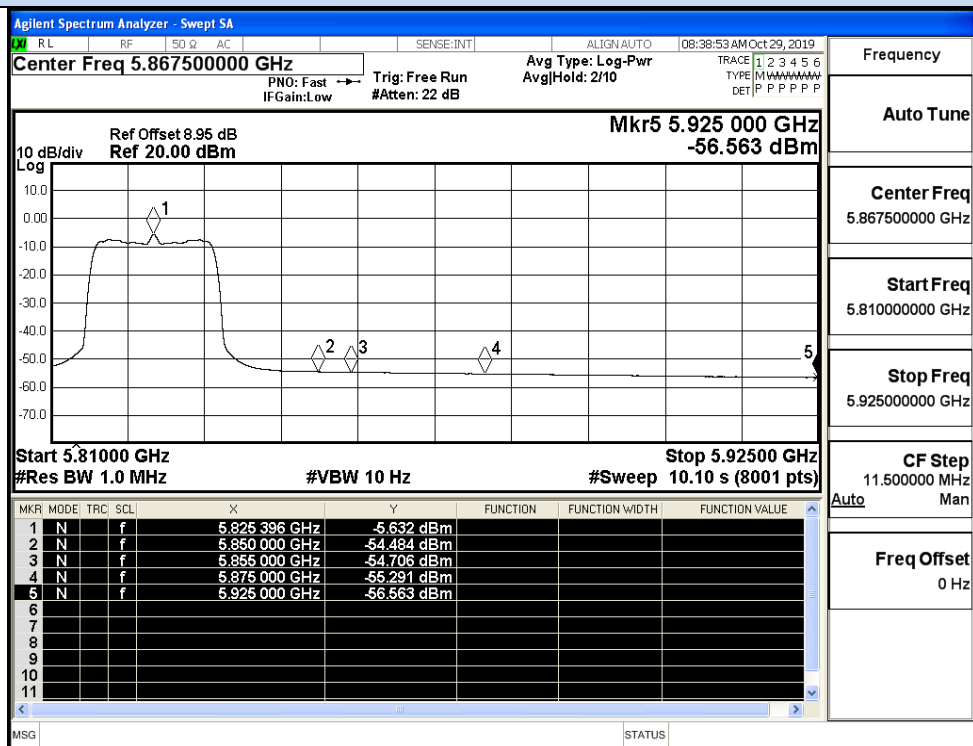
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak



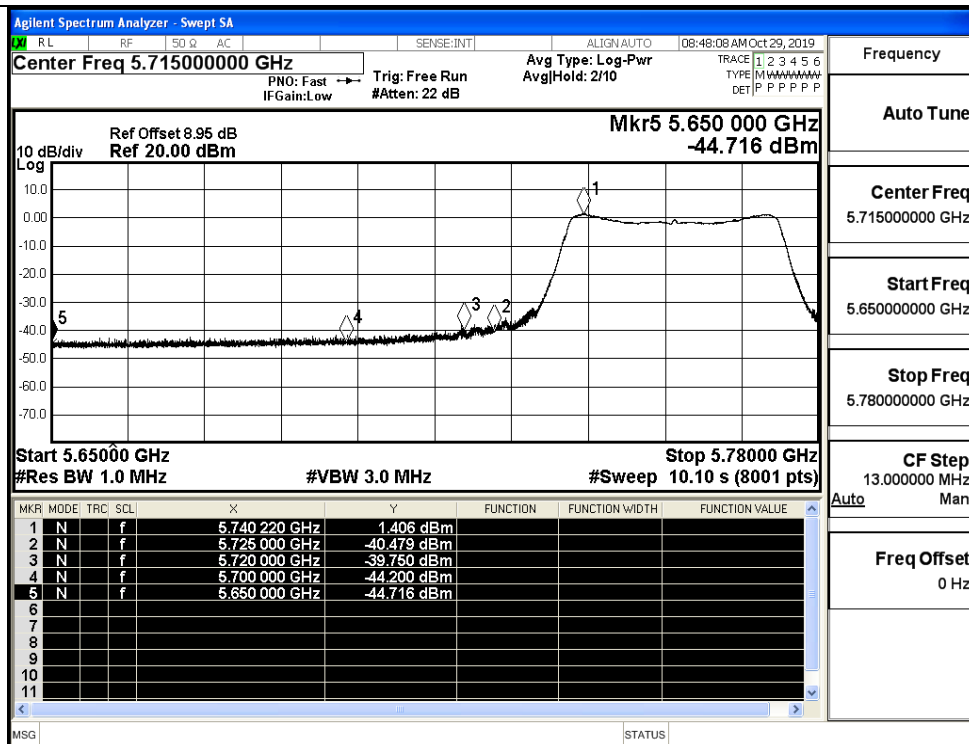
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average



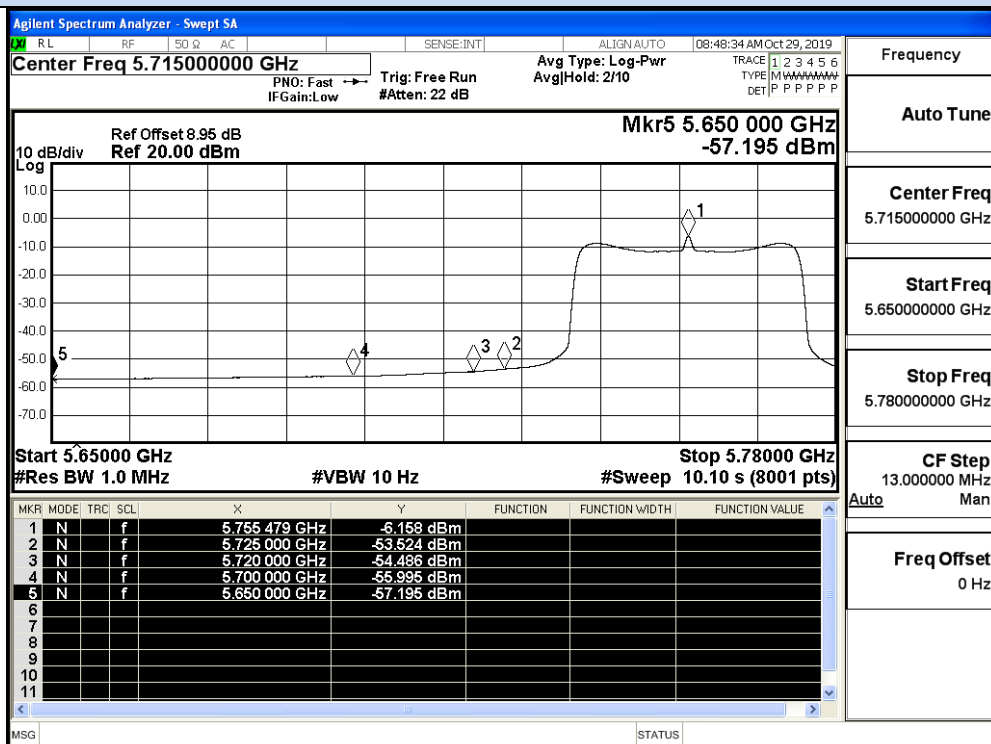
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak



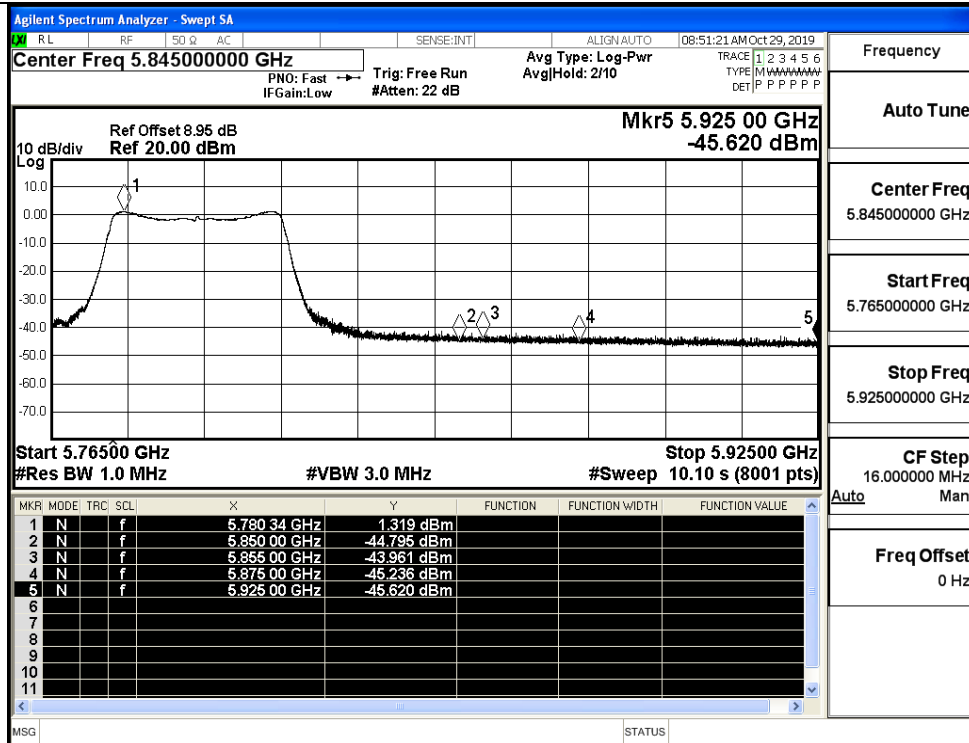
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average



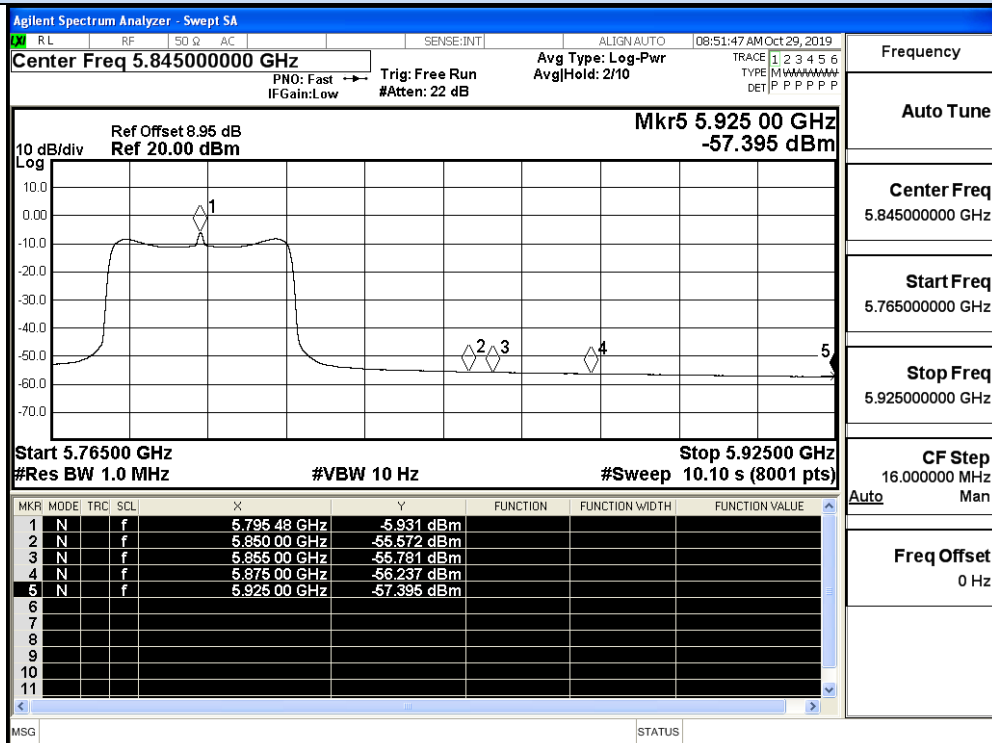
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak



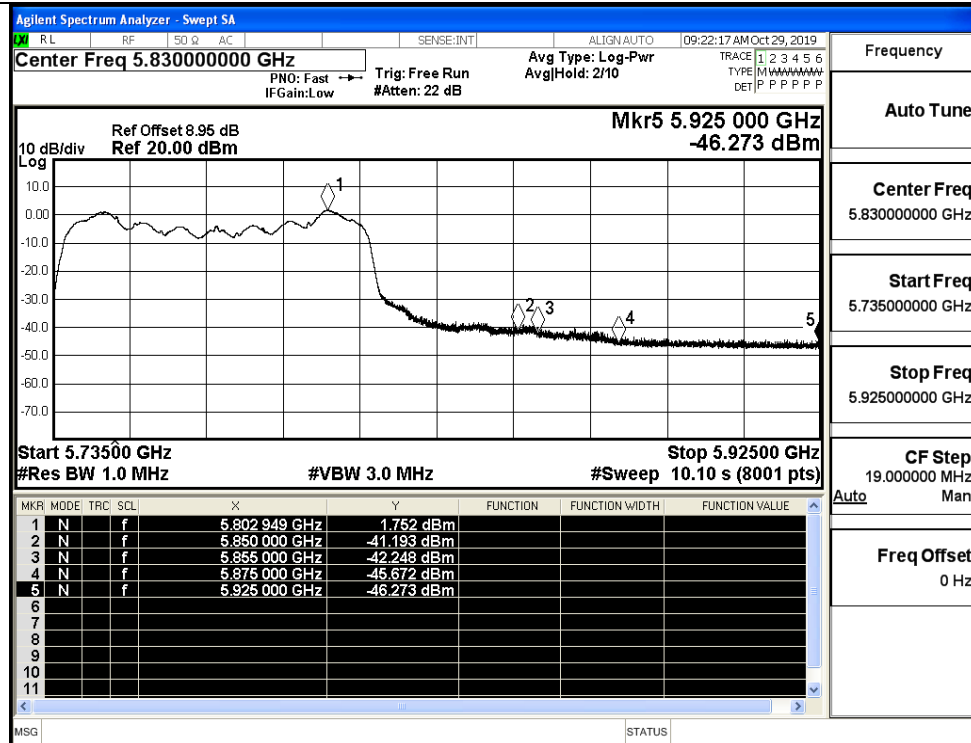
IEEE 802.11ac40 / Channel 151 / 5755MHz / Average



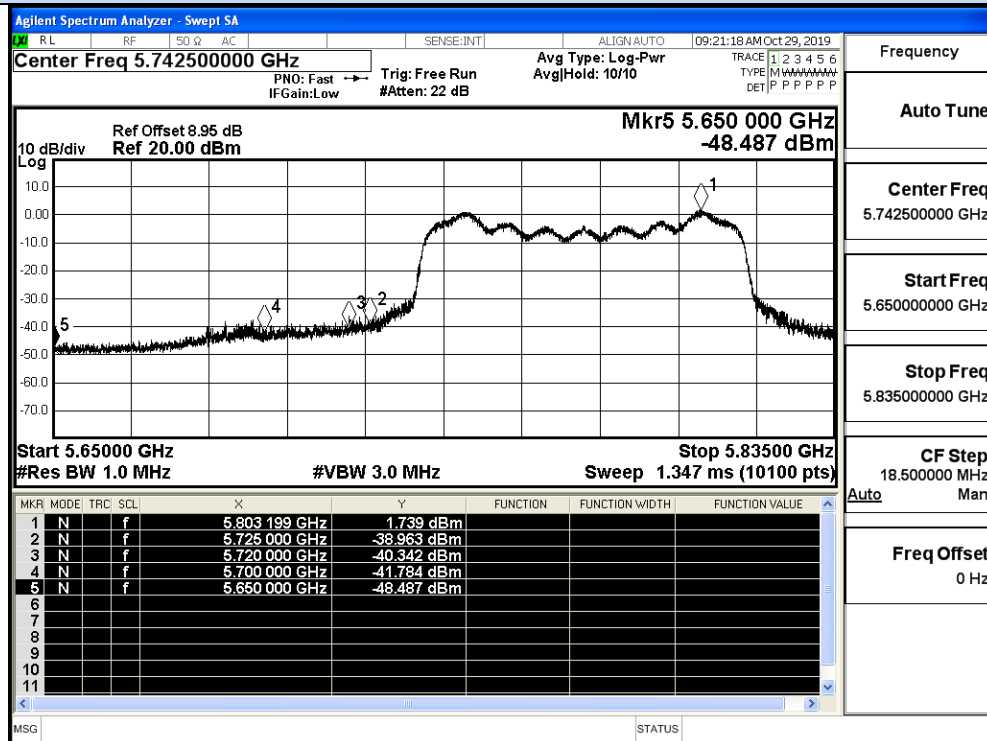
IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak



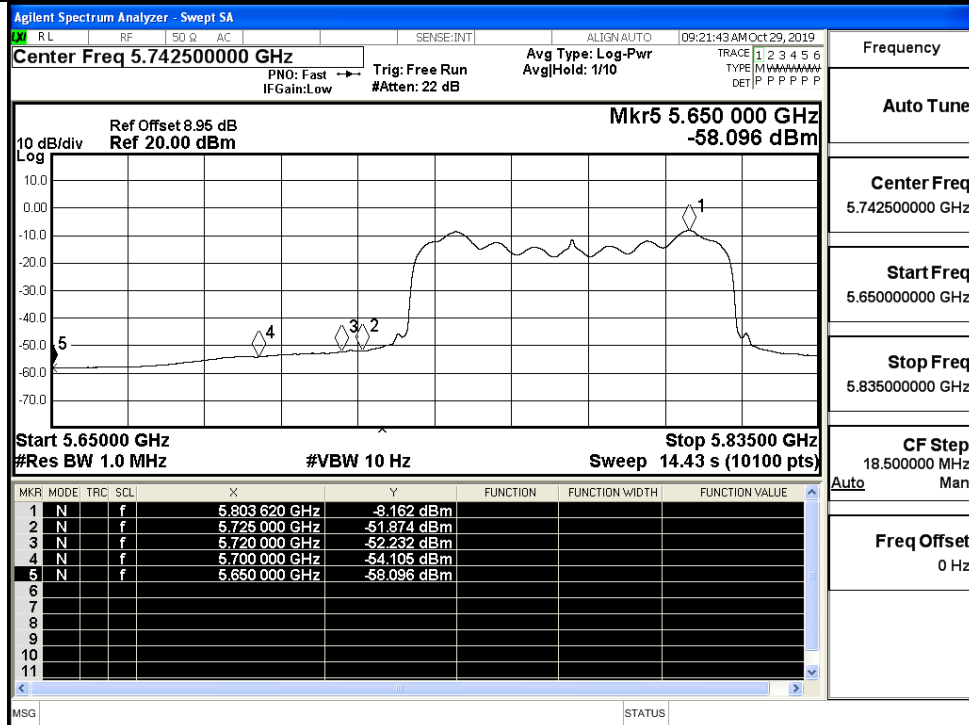
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average



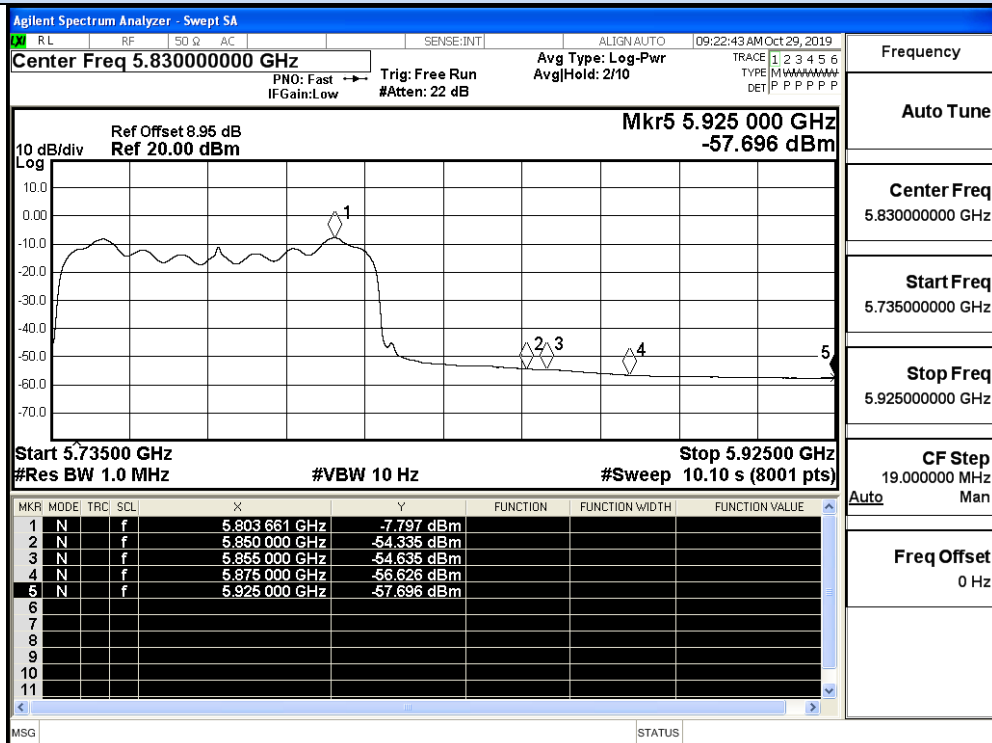
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average



IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average