

Appendix C

RF Test Data for 5.8G WLAN (Conducted Measurement)

Product Name: Netbox Duo

Test Model: Netbox Duo

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang Chuang
Supervised by:	Jayden Zhuo

C.1 Duty Cycle

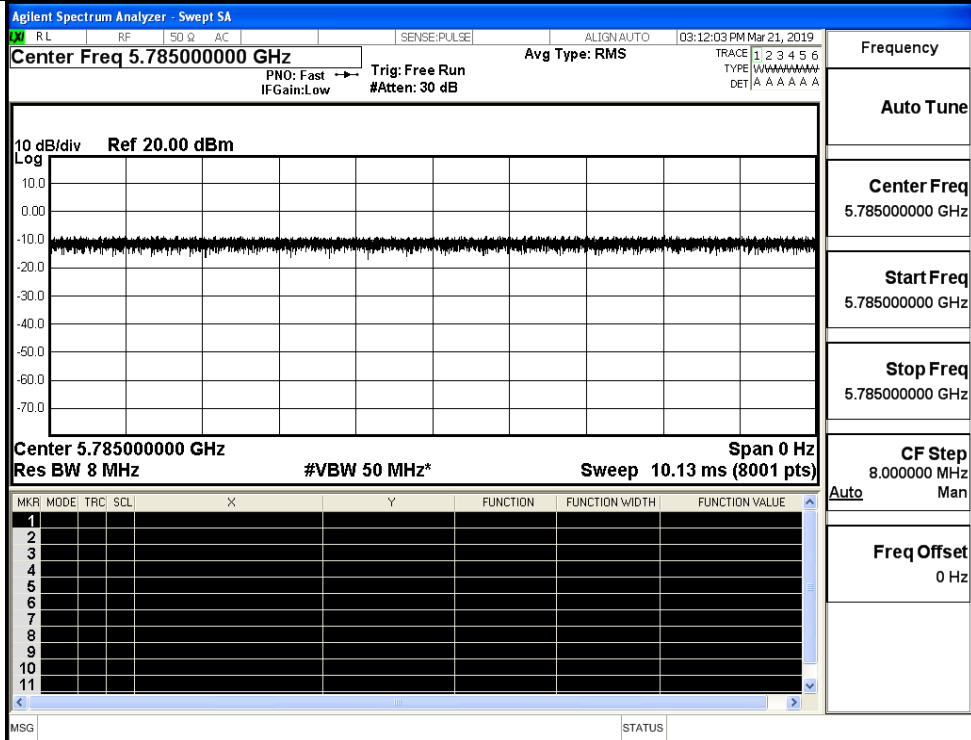
Ant_3

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	5785	100	0.00	0.01
11N40	5755	100	0.00	0.01
11AC20	5785	100	0.00	0.01
11AC40	5755	100	0.00	0.01
11AC80	5775	100	0.00	0.01

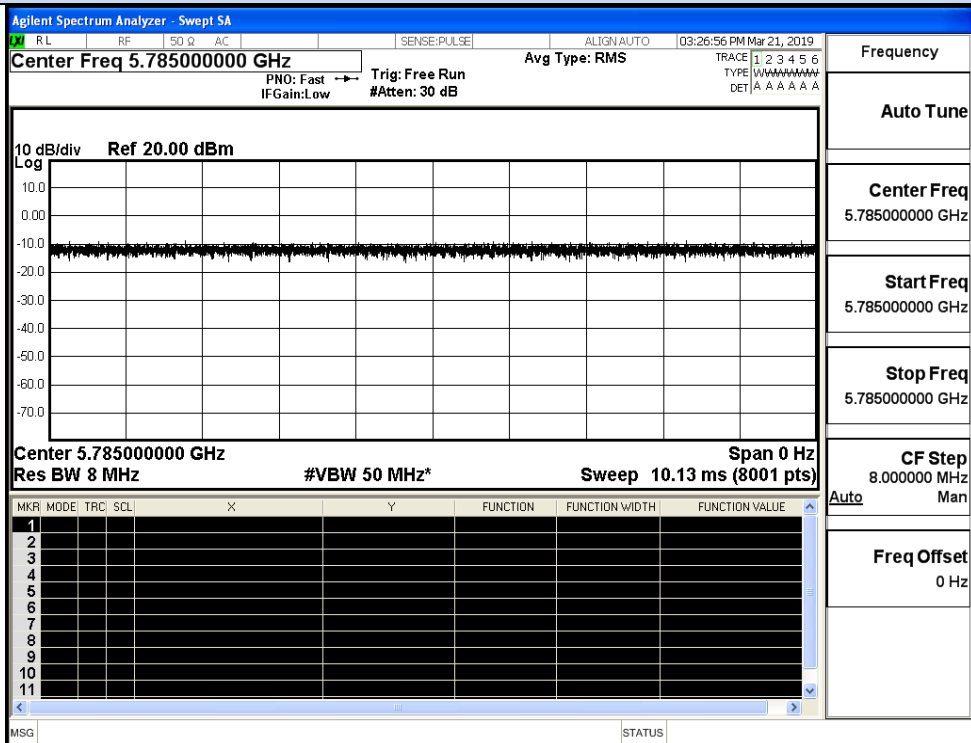
Ant_4

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	5785	100	0.00	0.01
11N40	5755	100	0.00	0.01
11AC20	5785	100	0.00	0.01
11AC40	5755	100	0.00	0.01
11AC80	5775	100	0.00	0.01

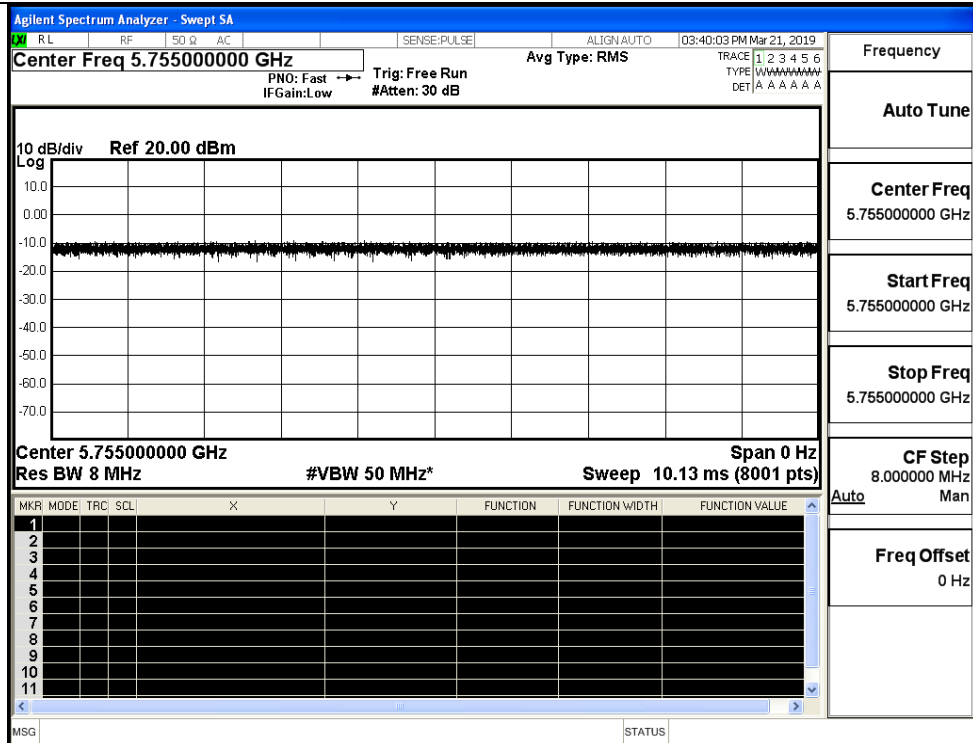
On Time and Duty Cycle_Ant_3



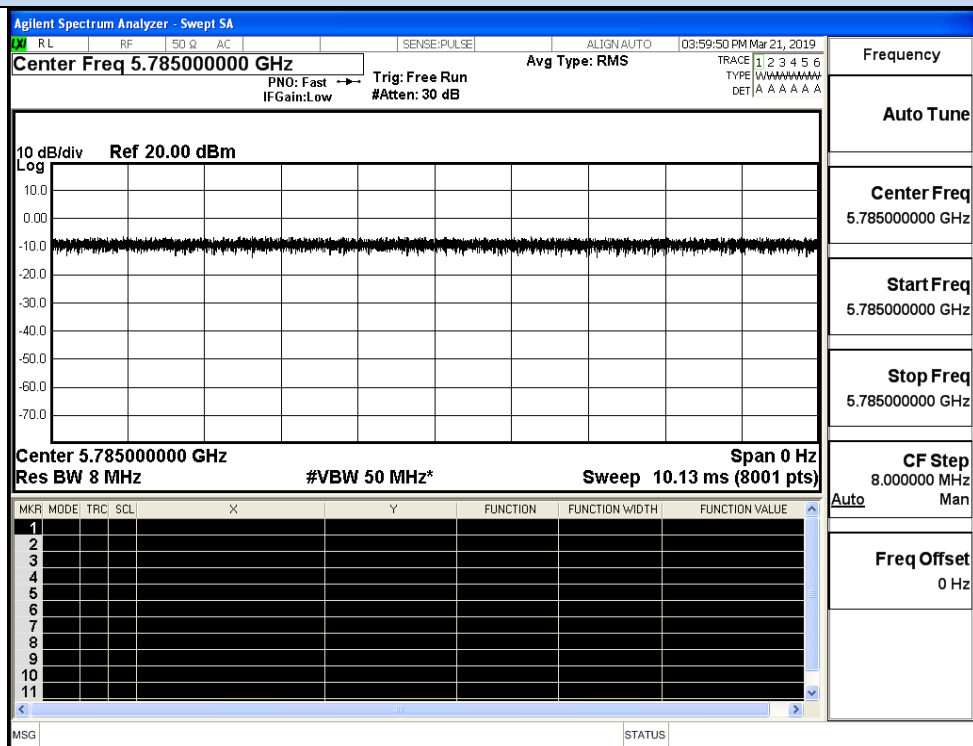
IEEE 802.11a_Ant_3



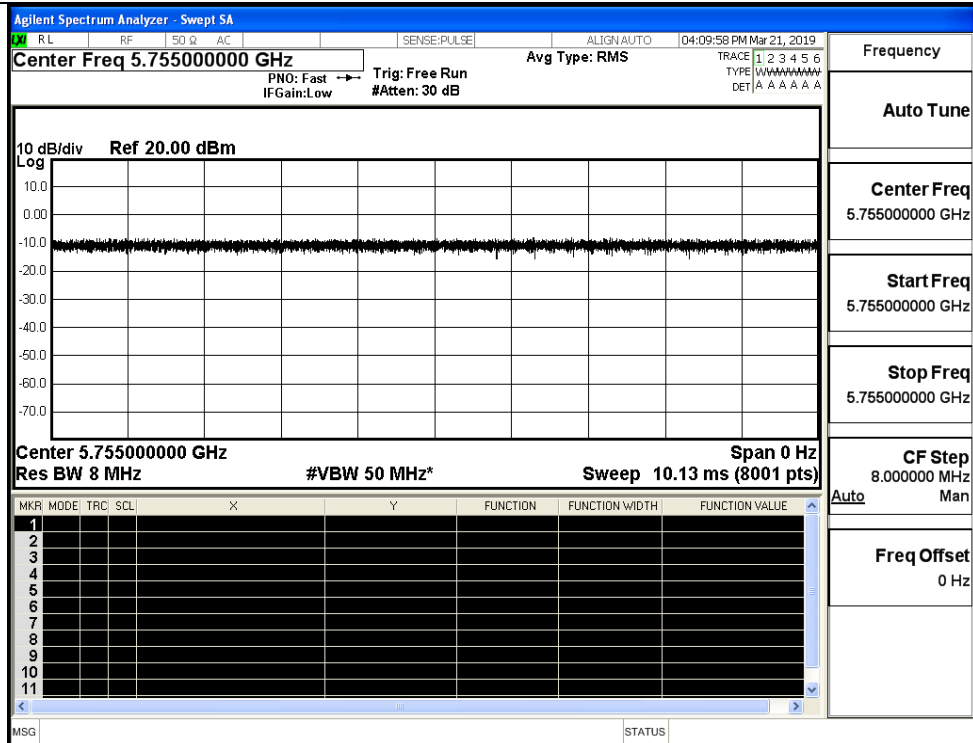
IEEE 802.11n HT20_Ant_3



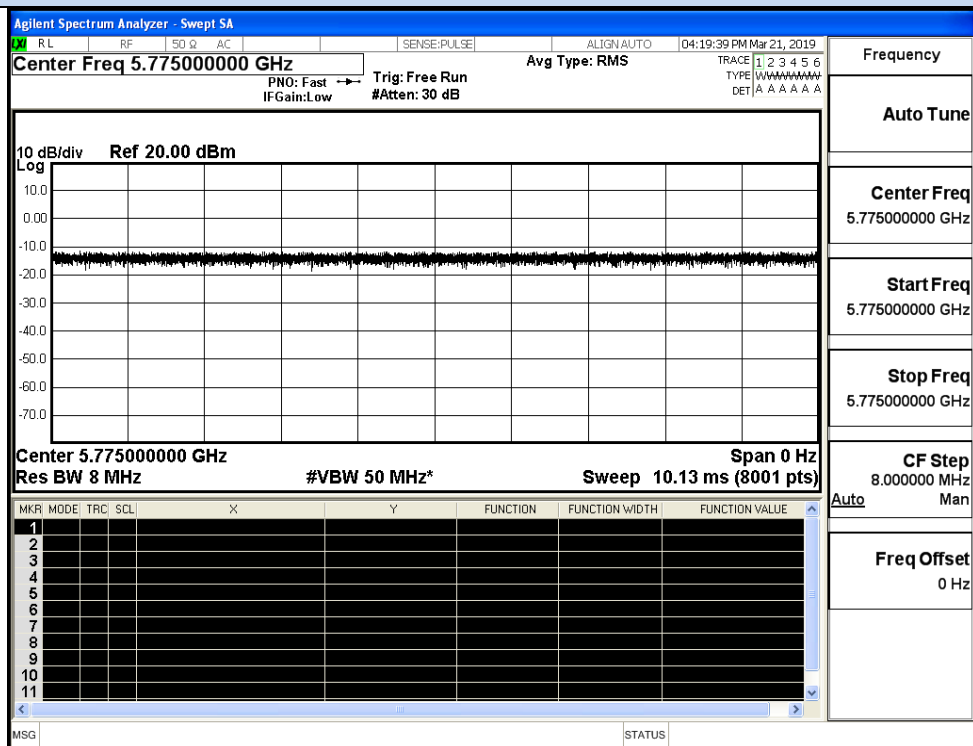
IEEE 802.11n HT40_Ant_3



IEEE 802.11AC20_Ant_3

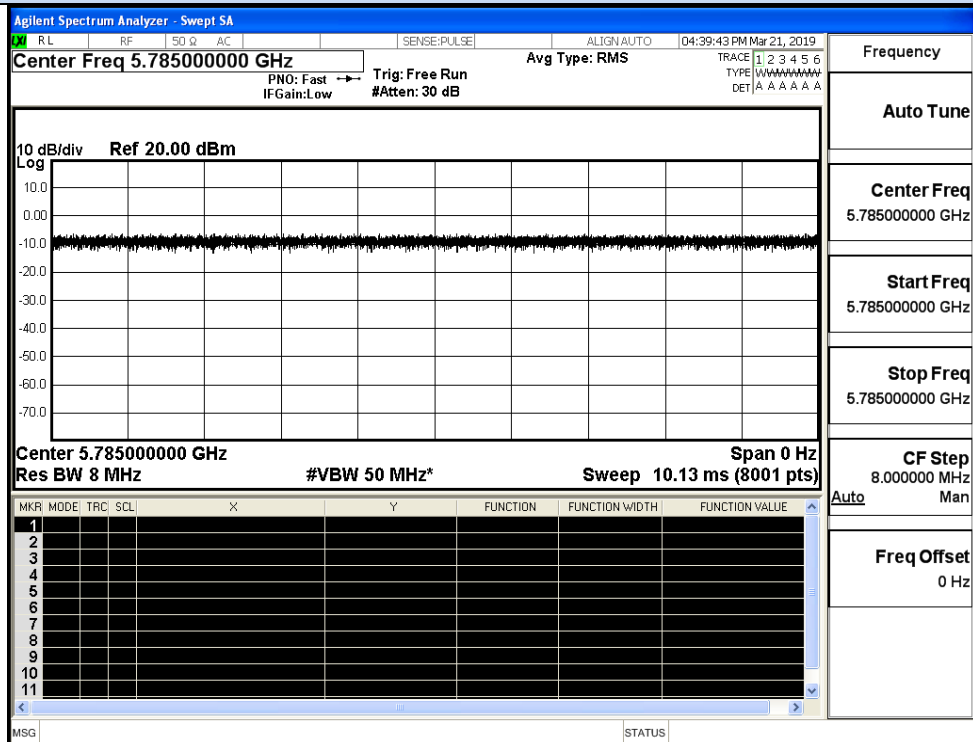


IEEE 802.11AC40_Ant_3

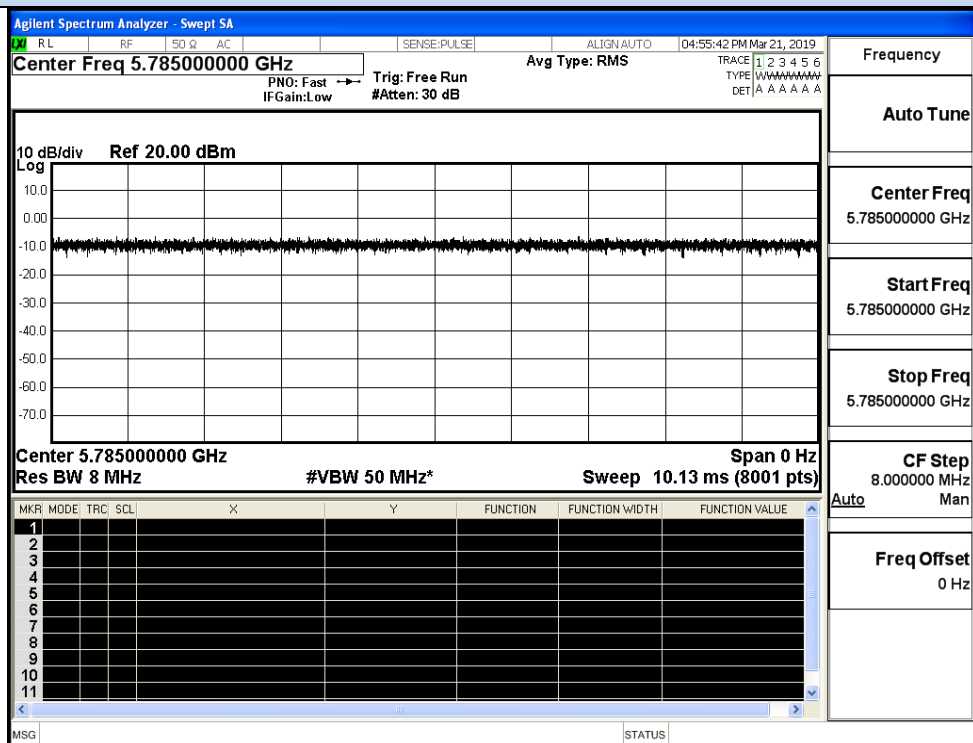


IEEE 802.11AC80_Ant_3

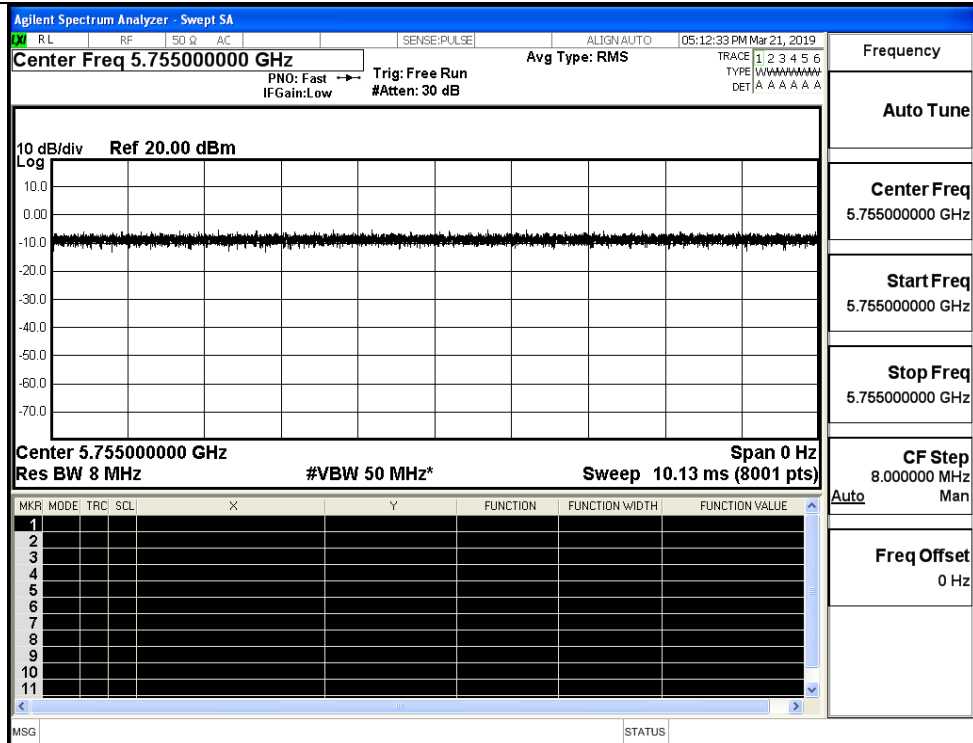
On Time and Duty Cycle_Ant_4



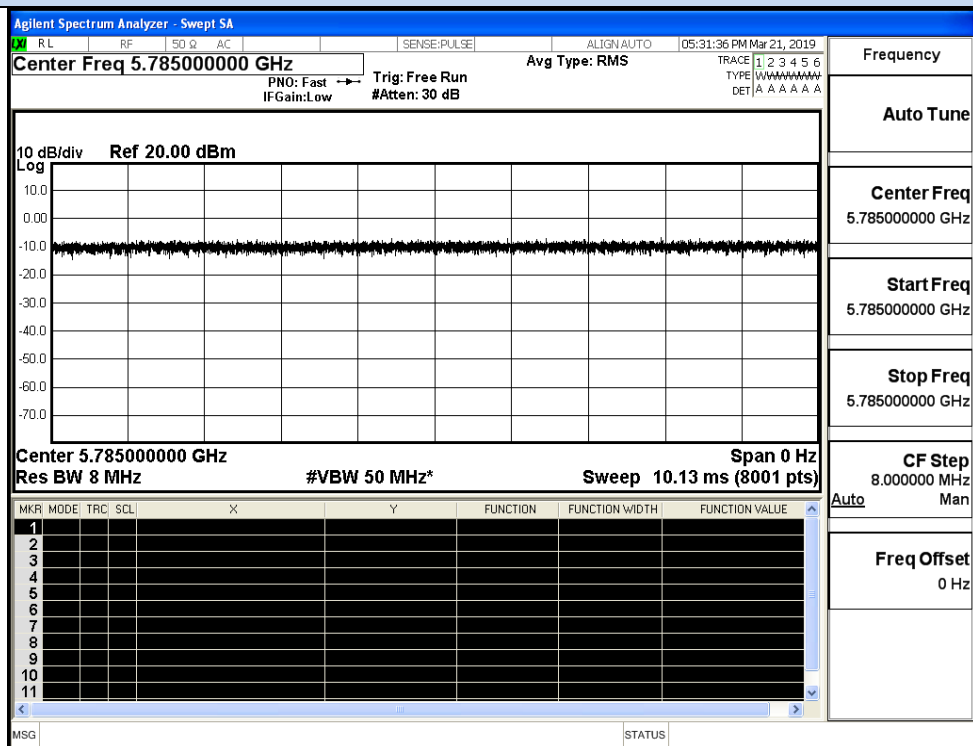
IEEE 802.11a_Ant_4



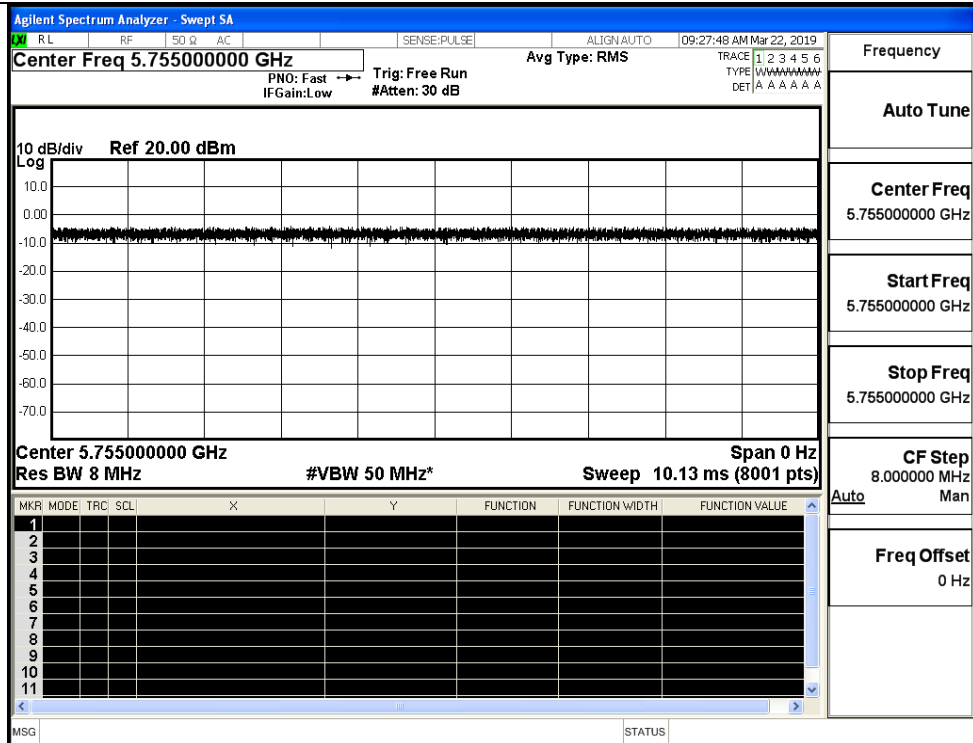
IEEE 802.11n HT20_Ant_4



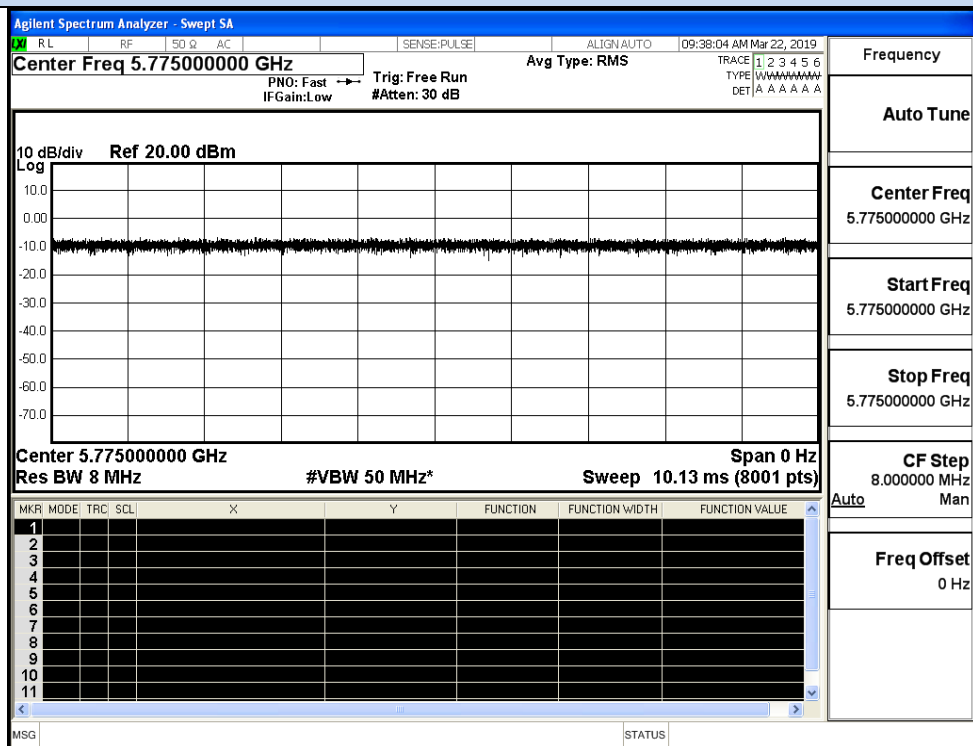
IEEE 802.11n HT40_Ant_4



IEEE 802.11AC20_Ant_4



IEEE 802.11AC40_Ant_4



IEEE 802.11AC80_Ant_4

C.2 Maximum Conduct Output Power

Ant 3

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	149	5745	8.26	0	8.26	30	Pass
	157	5785	8.81	0	8.81		Pass
	165	5825	8.70	0	8.70		Pass
11N20	149	5745	7.36	0	7.36	30	Pass
	157	5785	7.71	0	7.71		Pass
	165	5825	7.80	0	7.80		Pass
11N40	151	5755	7.88	0	7.88	30	Pass
	159	5795	7.69	0	7.69		Pass
11AC20	149	5745	12.43	0	12.43	30	Pass
	157	5785	12.75	0	12.75		Pass
	165	5825	12.07	0	12.07		Pass
11AC40	151	5755	12.84	0	12.84	30	Pass
	159	5795	12.22	0	12.22		Pass
11AC80	155	5775	9.31	0	9.31	30	Pass

Ant 4

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	149	5745	8.35	0	8.35	30	Pass
	157	5785	8.72	0	8.72		Pass
	165	5825	8.93	0	8.93		Pass
11N20	149	5745	7.73	0	7.73	30	Pass
	157	5785	7.80	0	7.80		Pass
	165	5825	7.56	0	7.56		Pass
11N40	151	5755	7.98	0	7.98	30	Pass
	159	5795	7.68	0	7.68		Pass
11AC20	149	5745	11.89	0	11.89	30	Pass
	157	5785	11.41	0	11.41		Pass
	165	5825	11.81	0	11.81		Pass
11AC40	151	5755	11.50	0	11.50	30	Pass
	159	5795	12.10	0	12.10		Pass
11AC80	155	5775	10.44	0	10.44	30	Pass

Antenna 3+Antenna 4

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)			Duty Cycle Factor (dB)	Report Conducted Power(dBm)			Limit (dBm)
			Ant_3	Ant_4	Sum		Ant_3	Ant_4	Sum	
11N20	149	5745	7.36	7.73	10.56	0	7.36	7.73	10.56	27.99
	157	5785	7.71	7.80	10.77	0	7.71	7.80	10.77	
	165	5825	7.80	7.56	10.69	0	7.80	7.56	10.69	
11N40	151	5755	7.88	7.98	10.94	0	7.88	7.98	10.94	27.99
	159	5795	7.69	7.68	10.70	0	7.69	7.68	10.70	
11AC20	149	5745	12.43	11.89	15.18	0	12.43	11.89	15.18	27.99
	157	5785	12.75	11.41	15.14	0	12.75	11.41	15.14	
	165	5825	12.07	11.81	14.95	0	12.07	11.81	14.95	
11AC40	151	5755	12.84	11.50	15.23	0	12.84	11.50	15.23	27.99
	159	5795	12.22	12.10	15.17	0	12.22	12.10	15.17	
11AC80	155	5775	9.31	10.44	12.92	0	9.31	10.44	12.92	27.99

C.3 Power Spectral Density

Ant_3

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
11A	149	5745	-5.94	0	2.218	-3.73	30	Pass
	157	5785	-8.78	0	2.218	-6.56		Pass
	165	5825	-5.12	0	2.218	-2.90		Pass
11N20	149	5745	-4.87	0	2.218	-2.65	30	Pass
	157	5785	-9.46	0	2.218	-7.24		Pass
	165	5825	-5.84	0	2.218	-3.62		Pass
11N40	151	5755	-9.18	0	2.218	-6.96	30	Pass
	159	5795	-10.71	0	2.218	-8.49		Pass
11AC20	149	5745	-3.07	0	2.218	-0.86	30	Pass
	157	5785	-6.33	0	2.218	-4.12		Pass
	165	5825	-4.00	0	2.218	-1.79		Pass
11AC40	151	5755	-8.64	0	2.218	-6.43	30	Pass
	159	5795	-10.41	0	2.218	-8.19		Pass
11AC80	155	5775	-11.79	0	2.218	-9.57	30	Pass

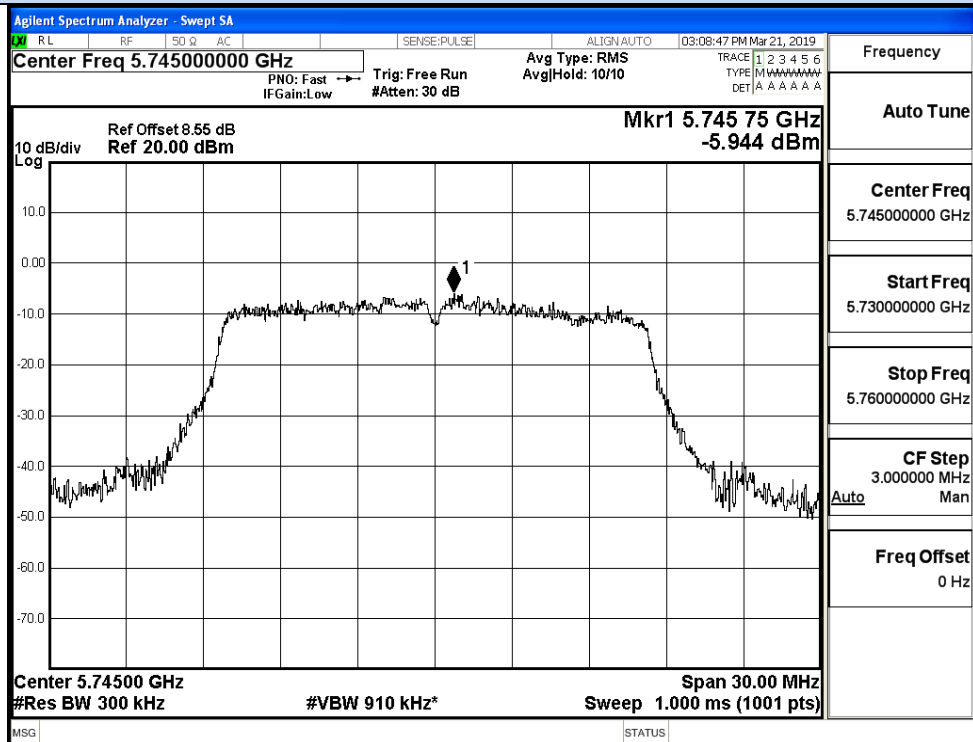
Ant_4

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
11A	149	5745	-4.58	0	2.218	-2.37	30	Pass
	157	5785	-6.03	0	2.218	-3.81		Pass
	165	5825	-3.05	0	2.218	-0.83		Pass
11N20	149	5745	-4.06	0	2.218	-1.85	30	Pass
	157	5785	-6.47	0	2.218	-4.25		Pass
	165	5825	-4.03	0	2.218	-1.82		Pass
11N40	151	5755	-4.84	0	2.218	-2.62	30	Pass
	159	5795	-8.25	0	2.218	-6.03		Pass
11AC20	149	5745	-3.91	0	2.218	-1.69	30	Pass
	157	5785	-7.53	0	2.218	-5.32		Pass
	165	5825	-3.99	0	2.218	-1.77		Pass
11AC40	151	5755	-4.94	0	2.218	-2.72	30	Pass
	159	5795	-5.11	0	2.218	-2.89		Pass
11AC80	155	5775	-7.38	0	2.218	-5.16	30	Pass

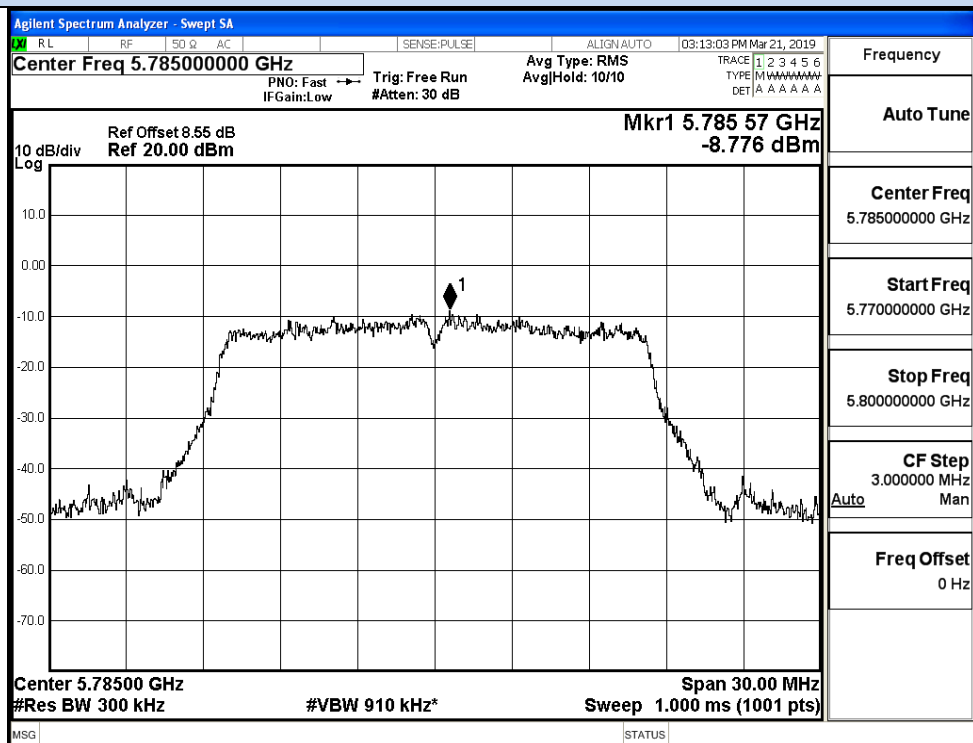
Combined Ant_3 and Ant_4

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)			Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)			Limit (dBm/500 KHz)
			Ant_3	Ant_4	Sum			Ant_3	Ant_4	Sum	
11N20	149	5745	-4.87	-4.06	-1.44	0	2.218	-2.65	-1.85	0.78	27.99
	157	5785	-9.46	-6.47	-4.70	0	2.218	-7.24	-4.25	-2.48	
	165	5825	-5.84	-4.03	-1.83	0	2.218	-3.62	-1.82	0.38	
11N40	151	5755	-9.18	-4.84	-3.48	0	2.218	-6.96	-2.62	-1.26	27.99
	159	5795	-10.71	-8.25	-6.30	0	2.218	-8.49	-6.03	-4.08	
11AC20	149	5745	-3.07	-3.91	-0.46	0	2.218	-0.86	-1.69	1.76	27.99
	157	5785	-6.33	-7.53	-3.88	0	2.218	-4.12	-5.32	-1.67	
	165	5825	-4.00	-3.99	-0.98	0	2.218	-1.79	-1.77	1.23	
11AC40	151	5755	-8.64	-4.94	-3.40	0	2.218	-6.43	-2.72	-1.18	27.99
	159	5795	-10.41	-5.11	-3.99	0	2.218	-8.19	-2.89	-1.77	
11AC80	155	5775	-11.79	-7.38	-6.04	0	2.218	-9.57	-5.16	-3.82	27.99

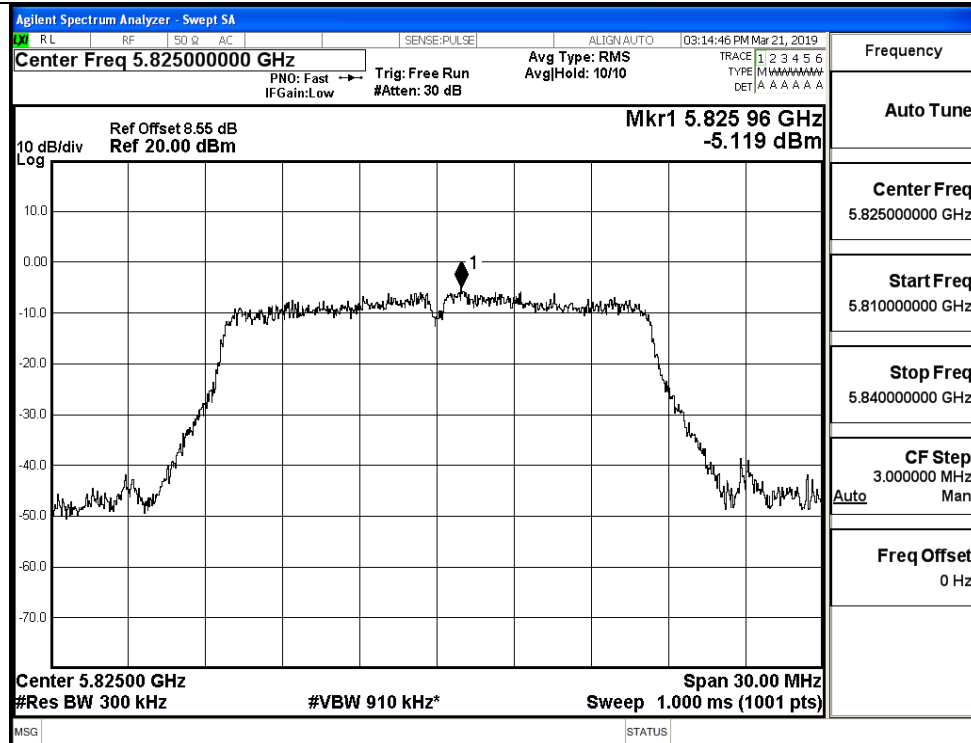
Power Spectral Density_Ant_3



IEEE 802.11a / Channel 149 / 5745MHz_Ant_3

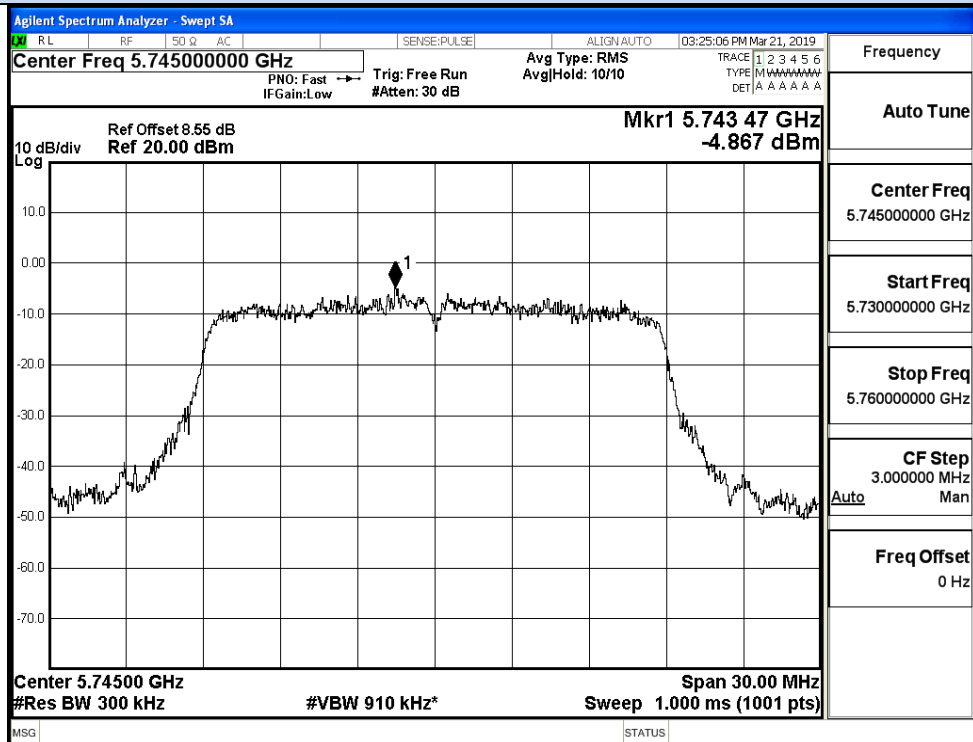


IEEE 802.11a / Channel 157 / 5785MHz_Ant_3

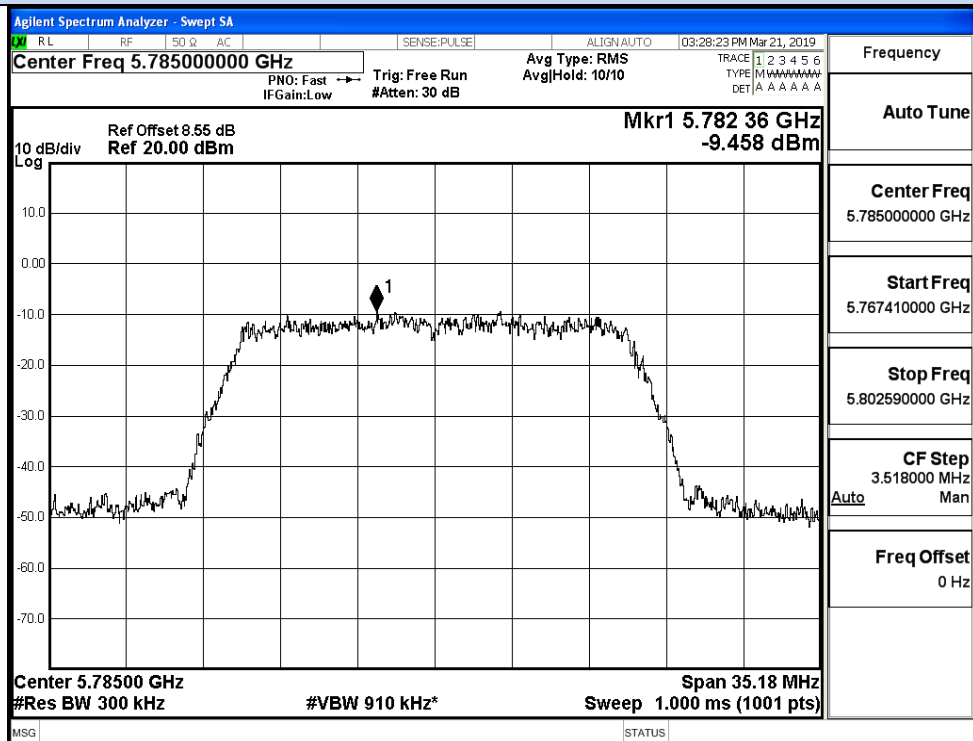


IEEE 802.11a / Channel 165 / 5825MHz_Ant_3

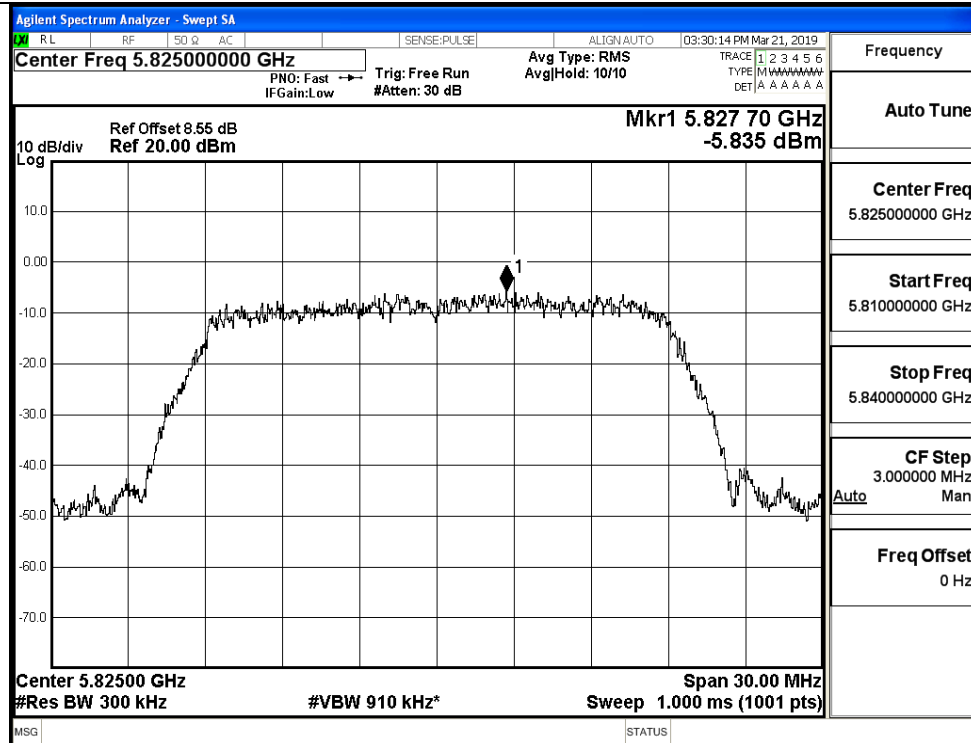
Power Spectral Density_Ant_3



IEEE 802.11n20 / Channel 149 / 5745MHz_Ant_3

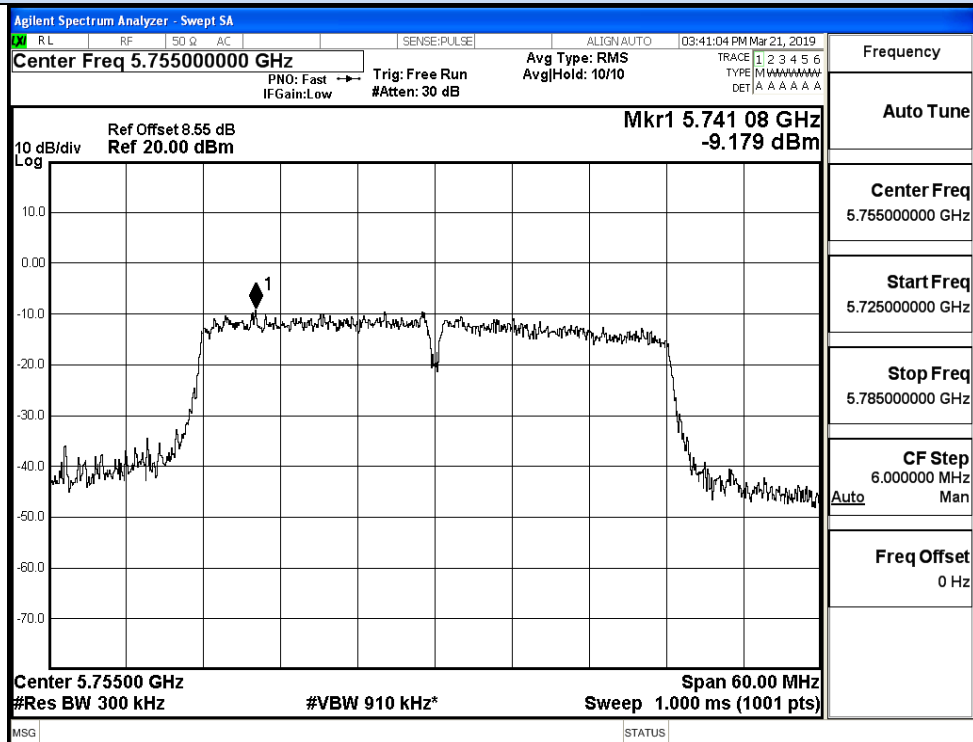


IEEE 802.11n20 / Channel 157 / 5785MHz_Ant_3

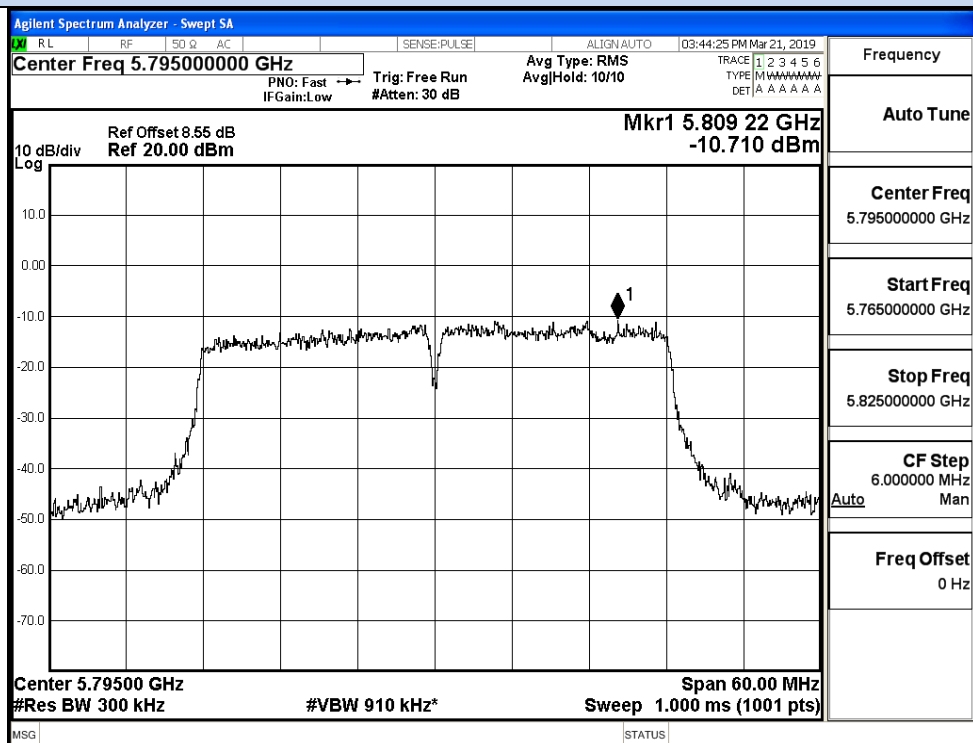


IEEE 802.11n20 / Channel 165 / 5825MHz_Ant_3

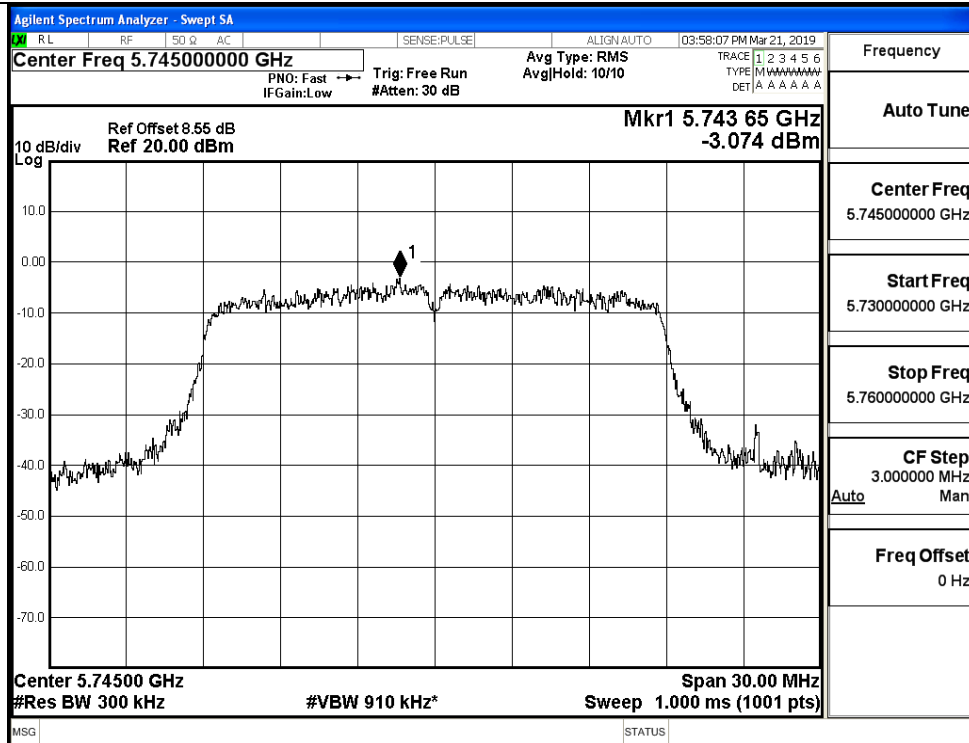
Power Spectral Density_Ant_3



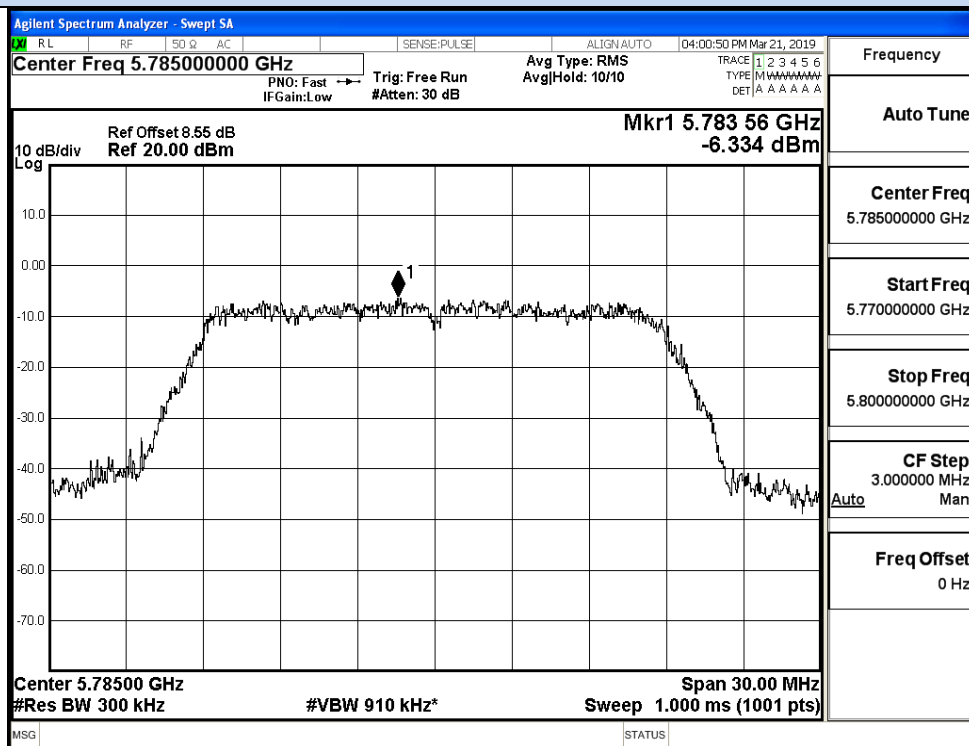
IEEE 802.11n40 / Channel 151 / 5755MHz_Ant_3



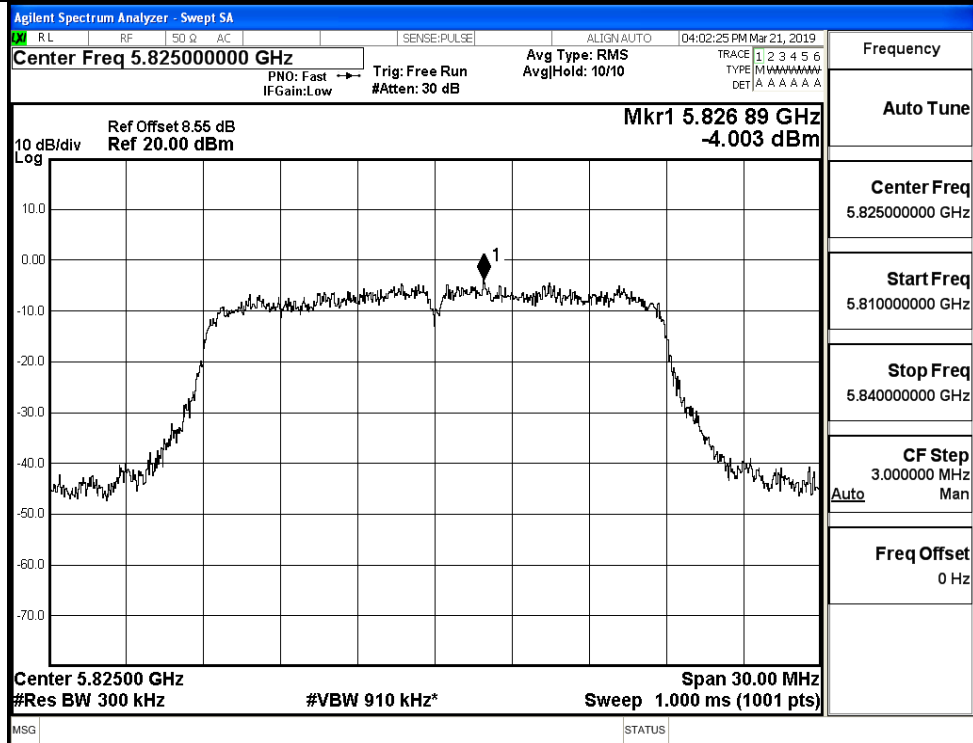
IEEE 802.11n40 / Channel 159 / 5795MHz_Ant_3



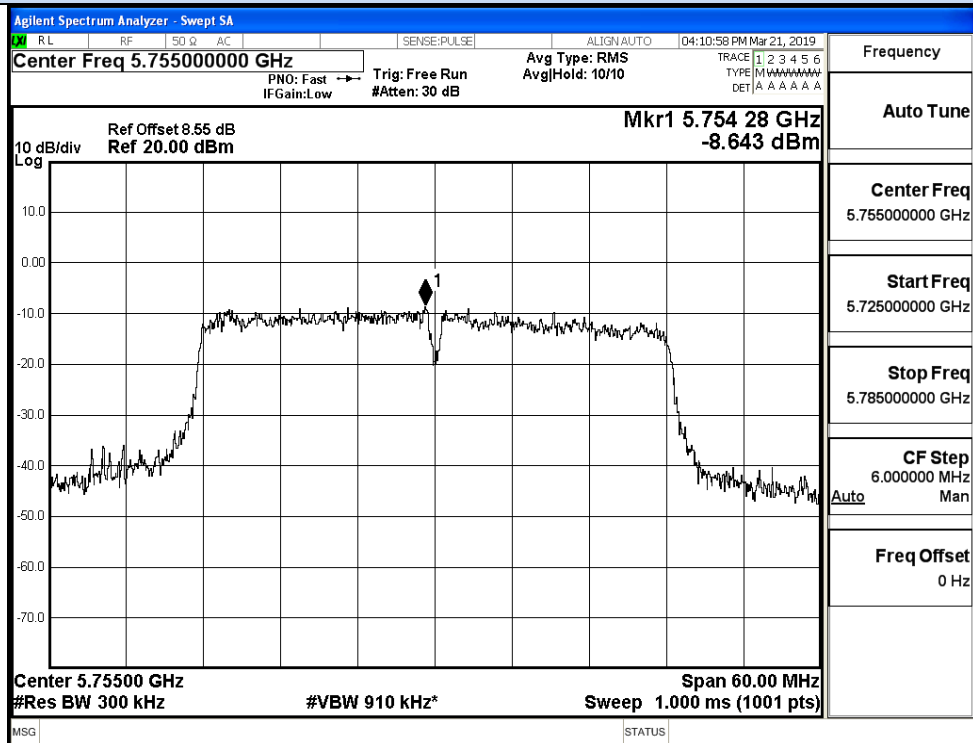
IEEE 802.11ac20 / Channel 149 / 5745MHz_Ant_3



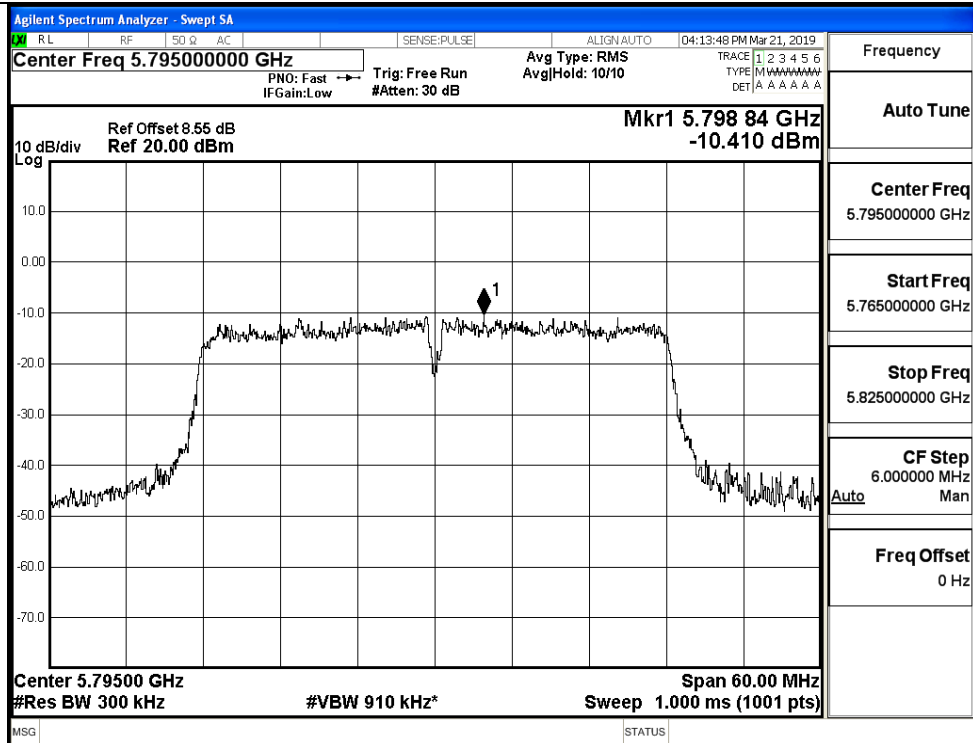
IEEE 802.11ac20 / Channel 157 / 5785MHz_Ant_3



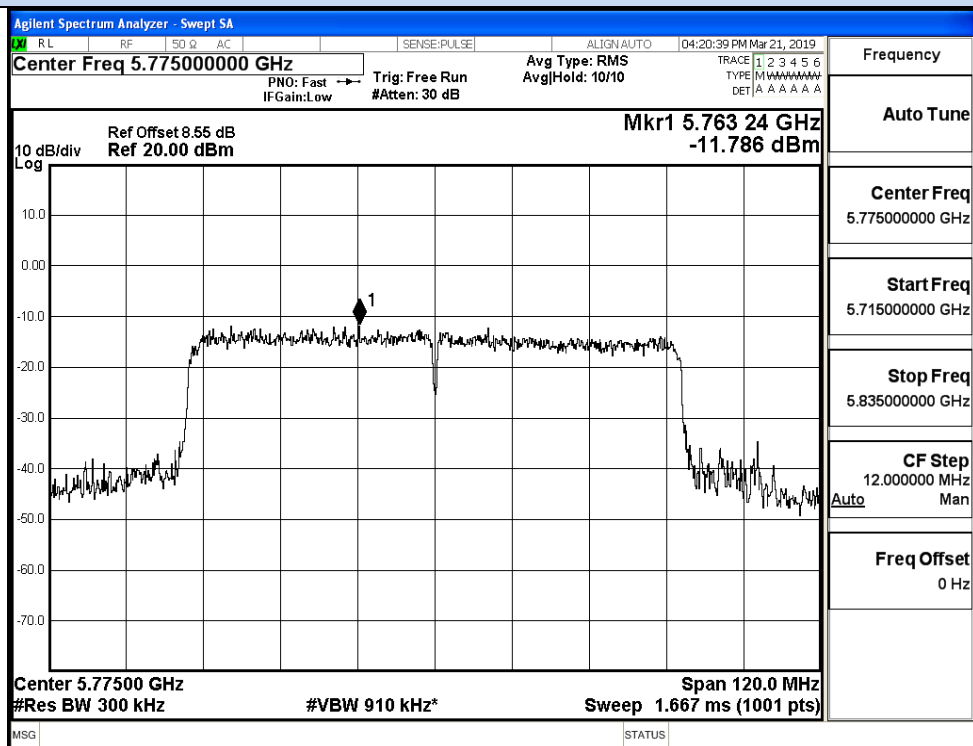
IEEE 802.11ac20 / Channel 165 / 5825MHz_Ant_3



IEEE 802.11ac40 / Channel 151 / 5755MHz_Ant_3

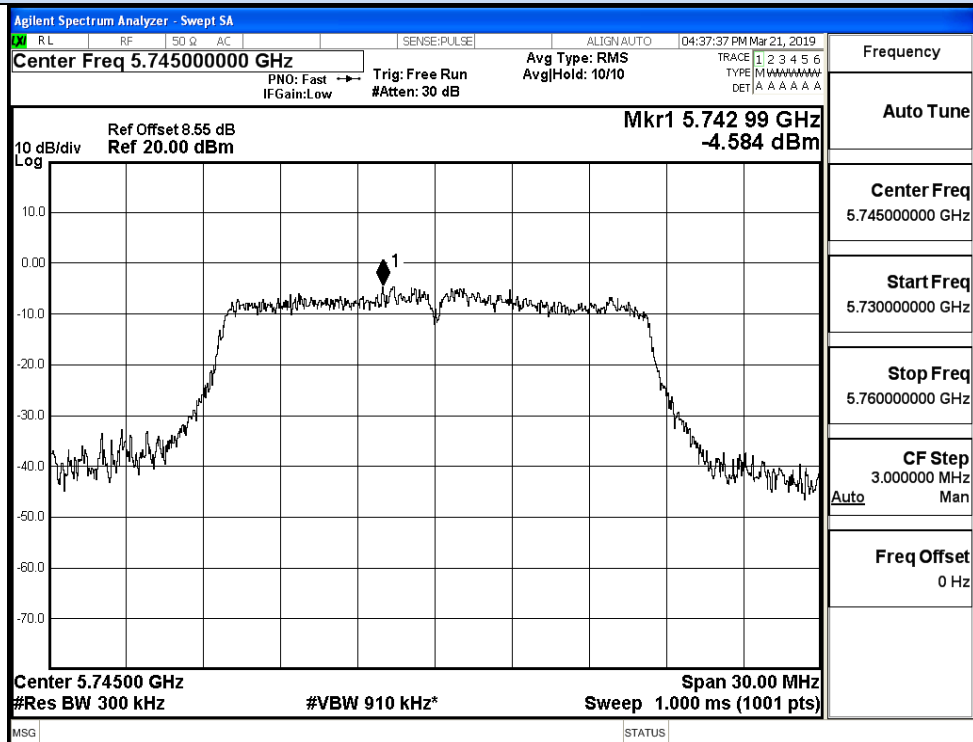


IEEE 802.11ac40 / Channel 159 / 5795MHz_Ant_3

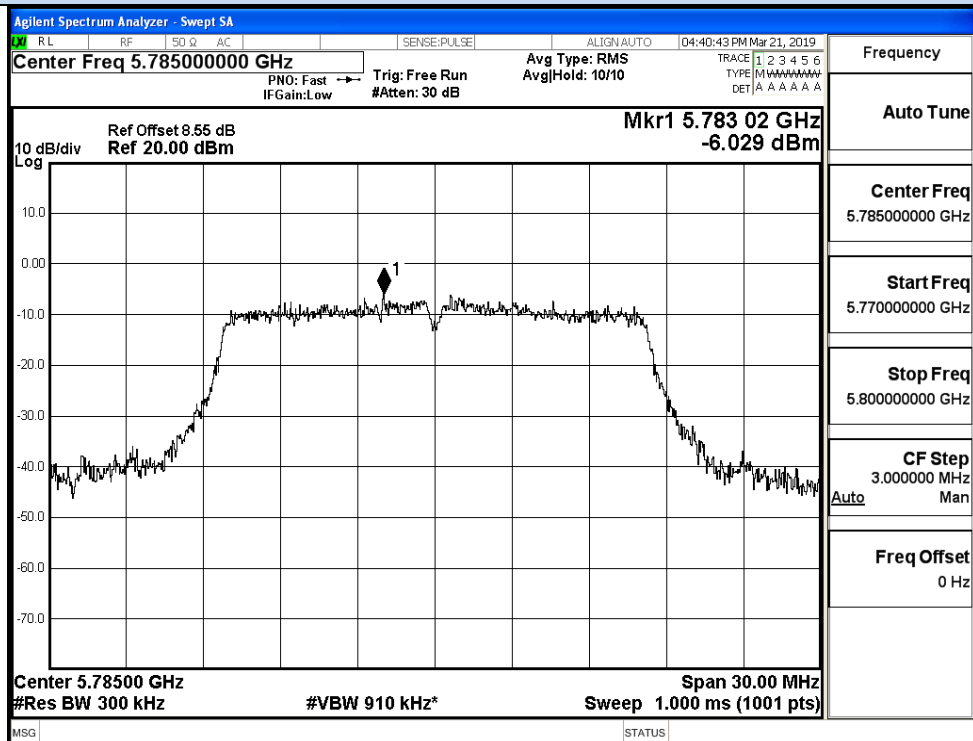


IEEE 802.11ac80 / Channel 155/ 5775MHz_Ant_3

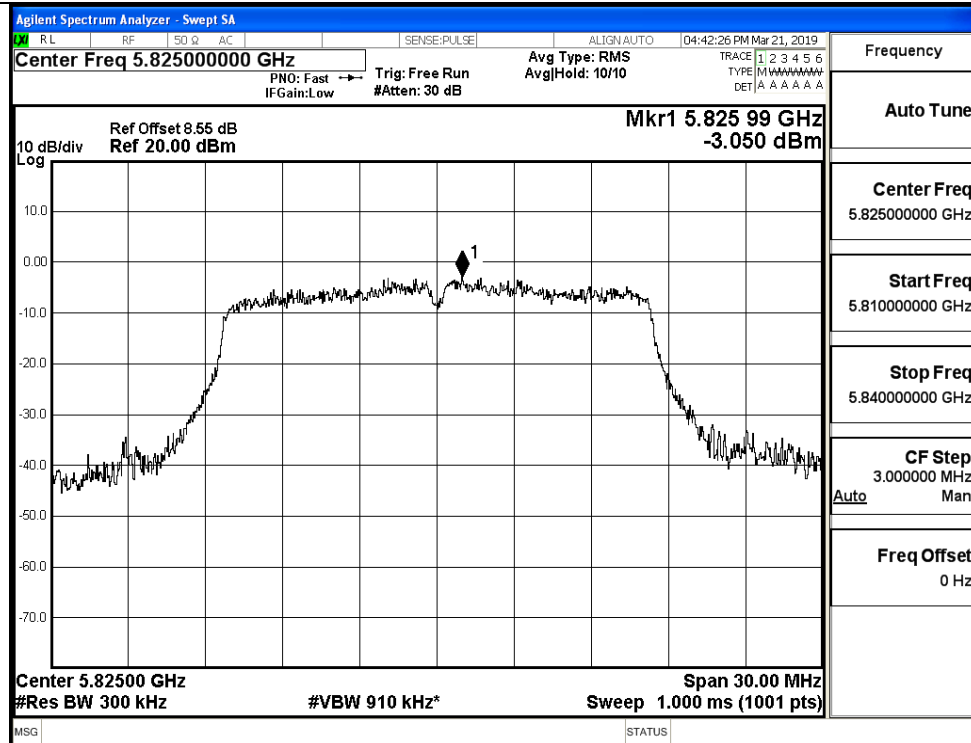
Power Spectral Density_Ant_4



IEEE 802.11a / Channel 149 / 5745MHz_Ant_4

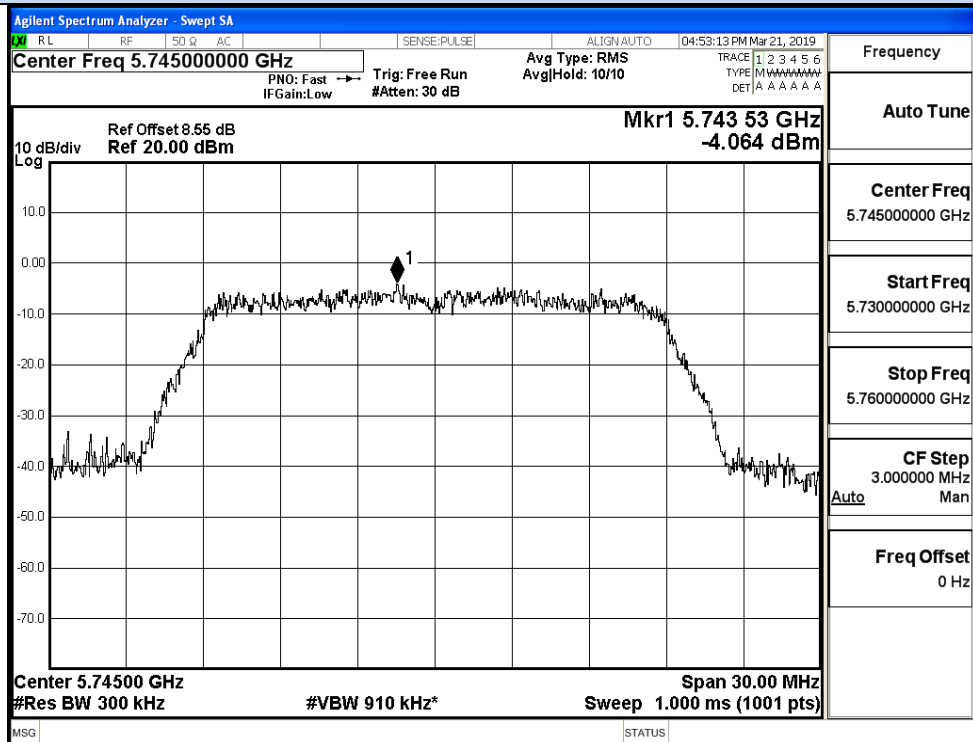


IEEE 802.11a / Channel 157 / 5785MHz_Ant_4

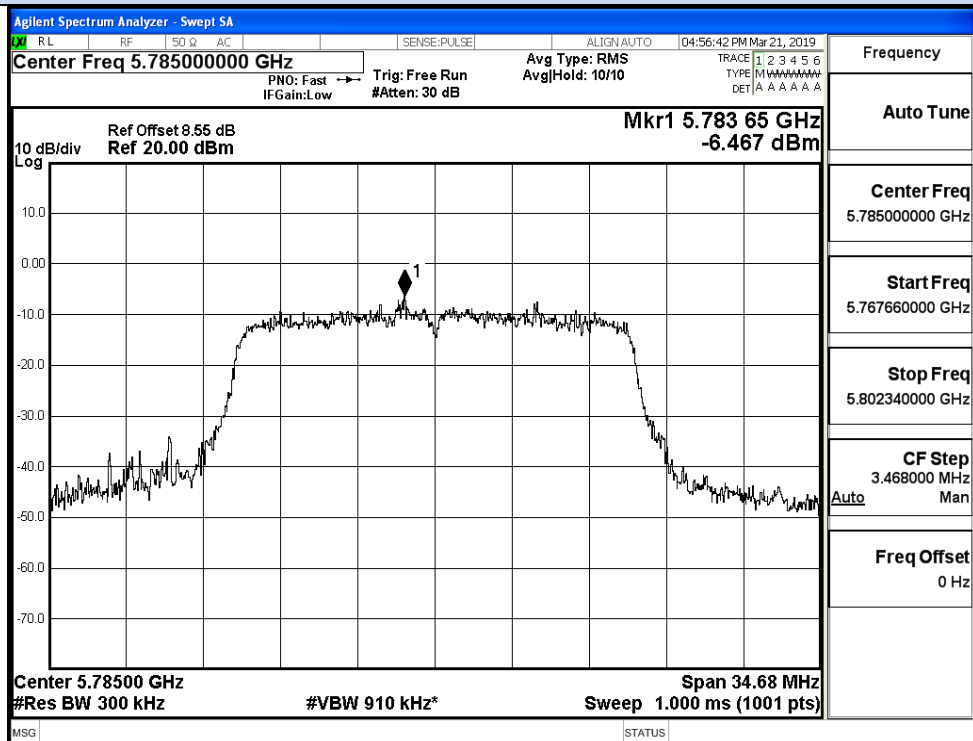


IEEE 802.11a / Channel 165 / 5825MHz_Ant_4

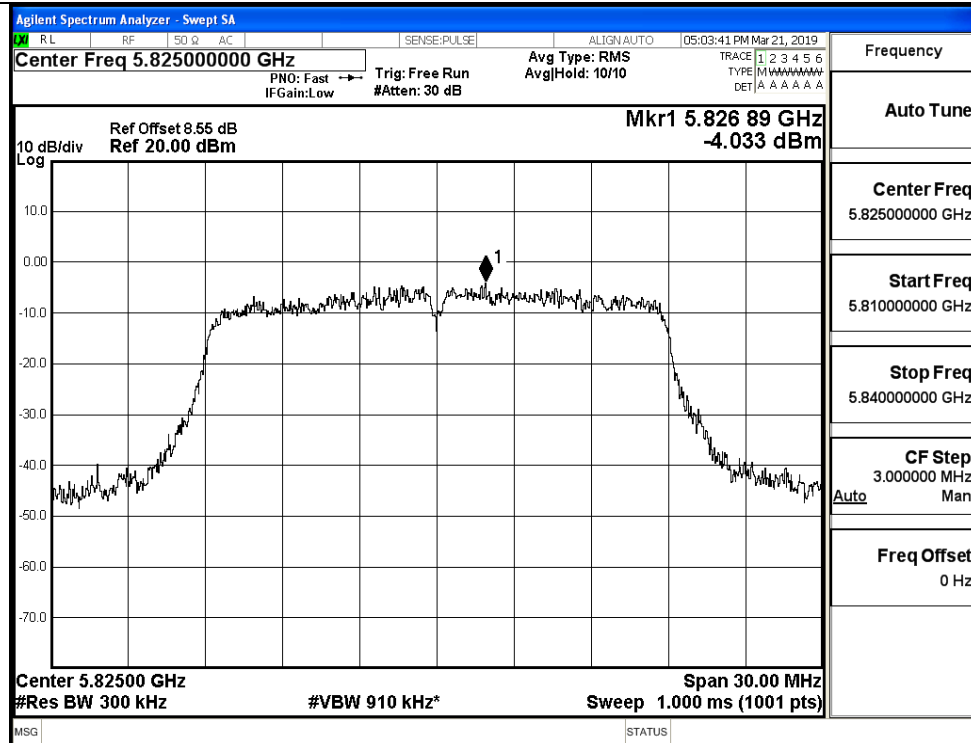
Power Spectral Density_Ant_4



IEEE 802.11n20 / Channel 149 / 5745MHz_Ant_4

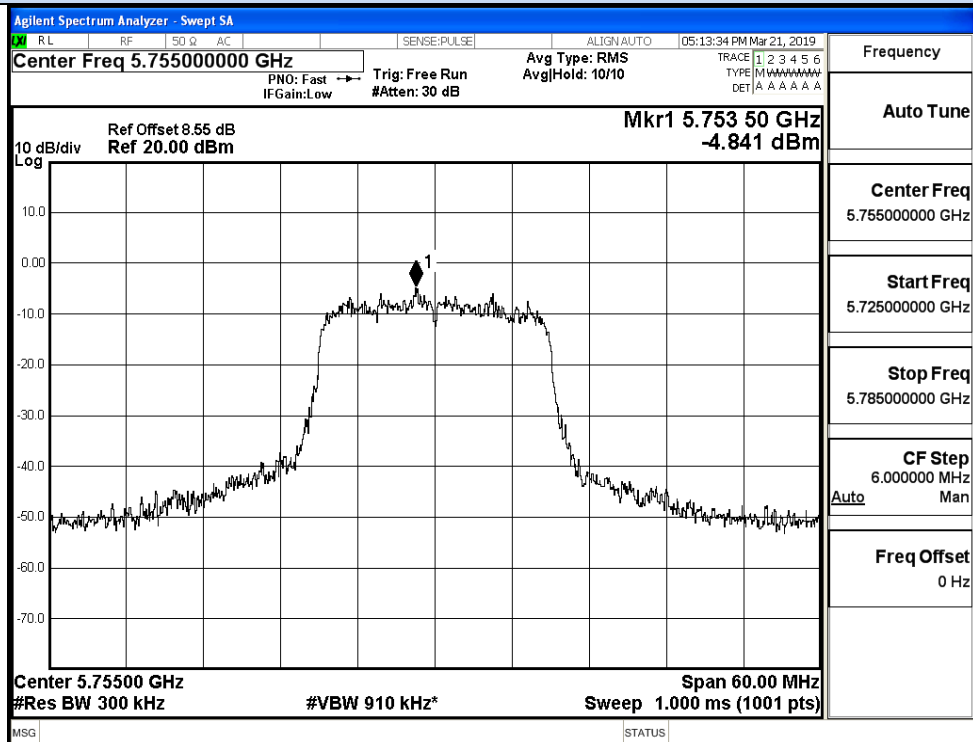


IEEE 802.11n20 / Channel 157 / 5785MHz_Ant_4

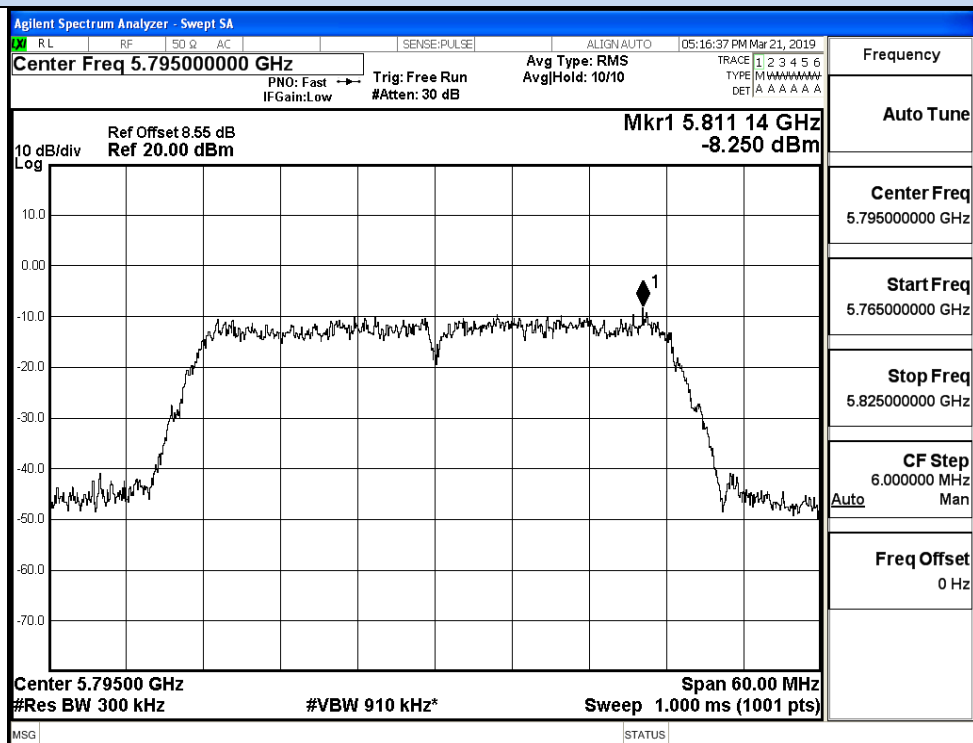


IEEE 802.11n20 / Channel 165 / 5825MHz_Ant_4

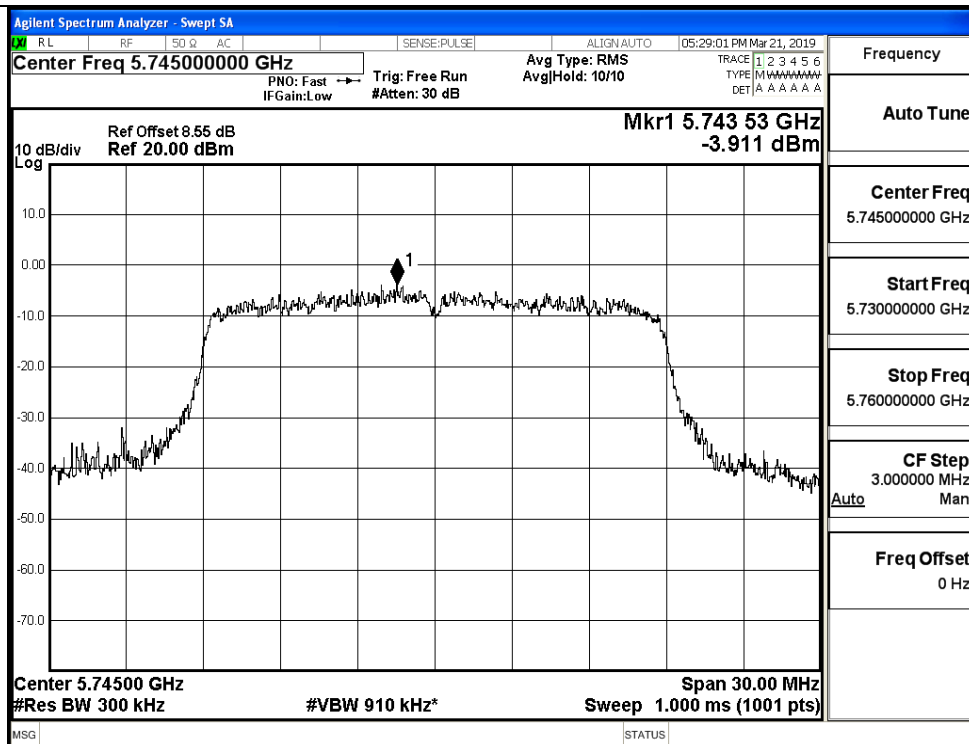
Power Spectral Density_Ant_4



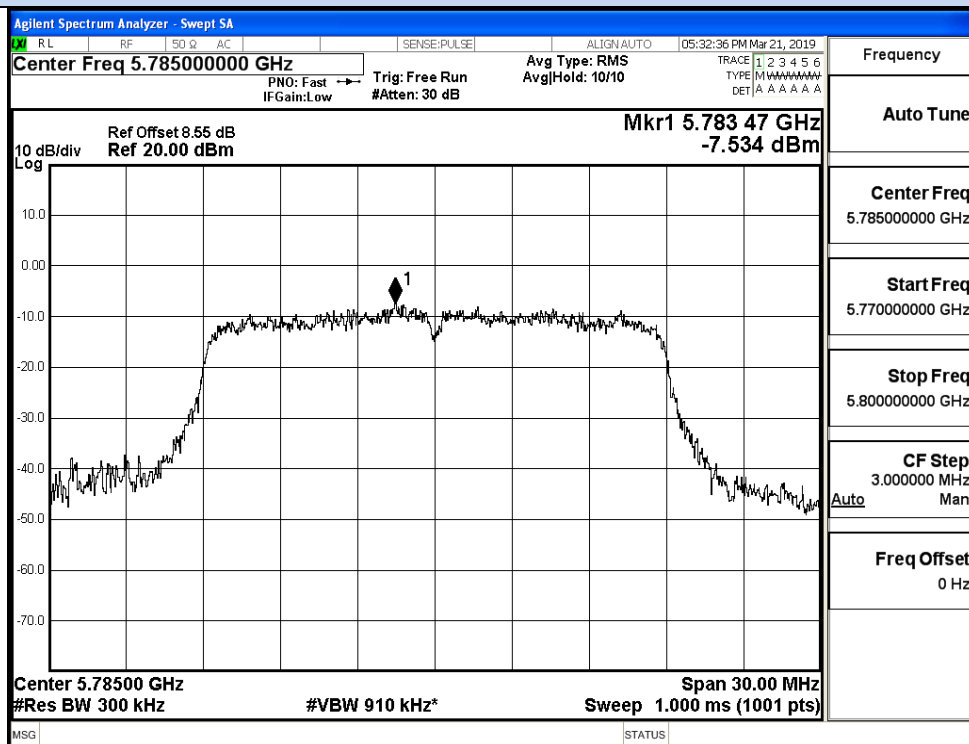
IEEE 802.11n40 / Channel 151 / 5755MHz_Ant_4



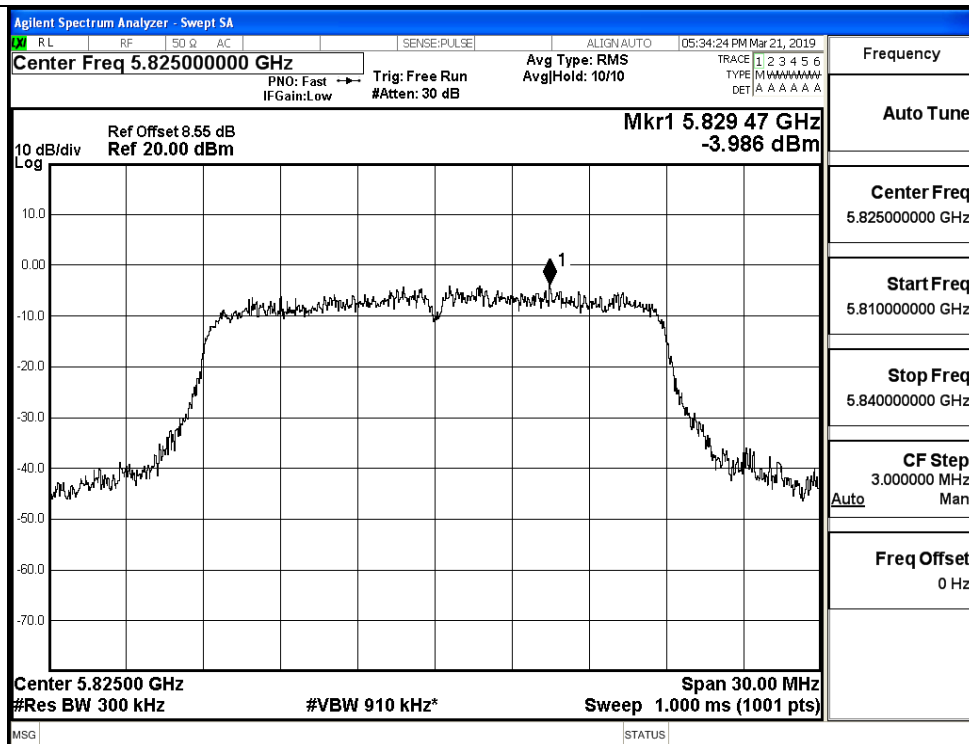
IEEE 802.11n40 / Channel 159 / 5795MHz_Ant_4



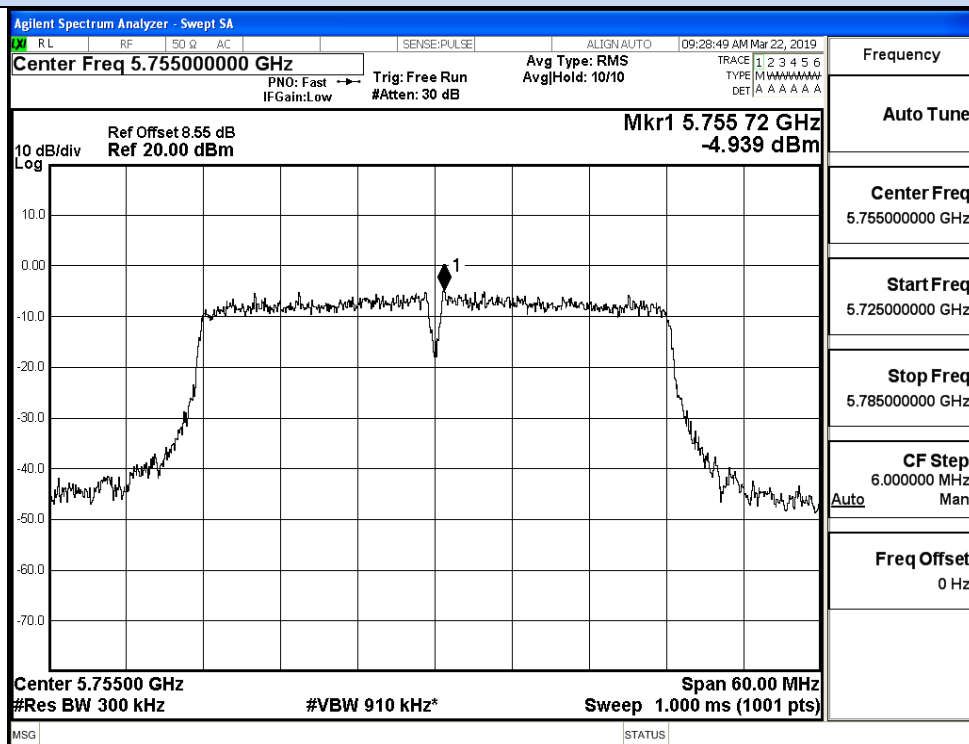
IEEE 802.11ac20 / Channel 149 / 5745MHz_Ant_4



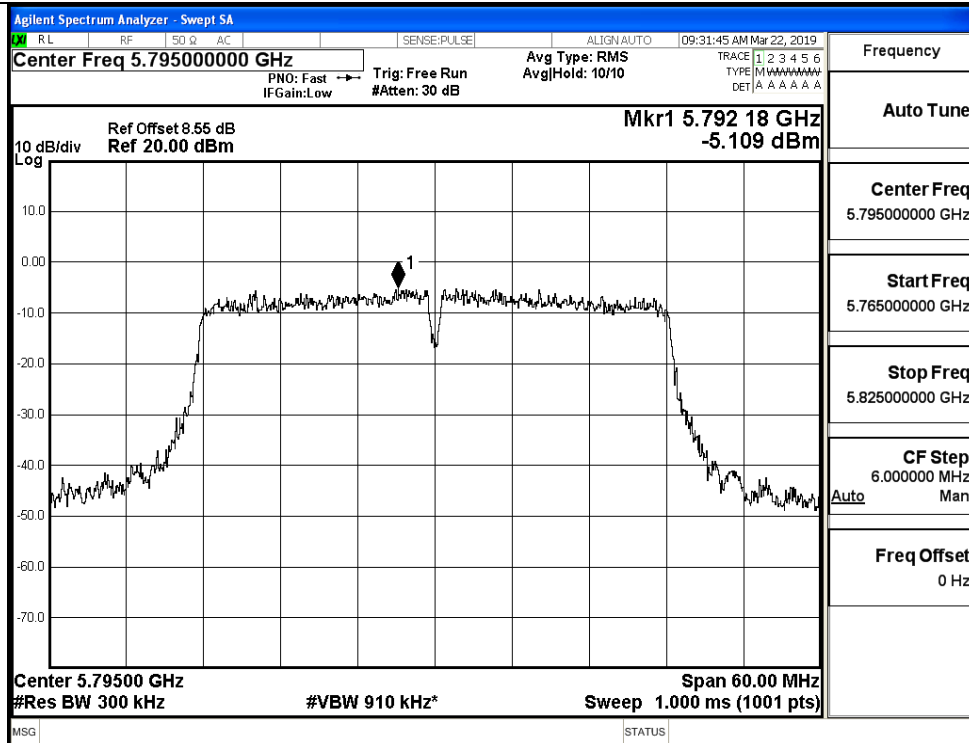
IEEE 802.11ac20 / Channel 157 / 5785MHz_Ant_4



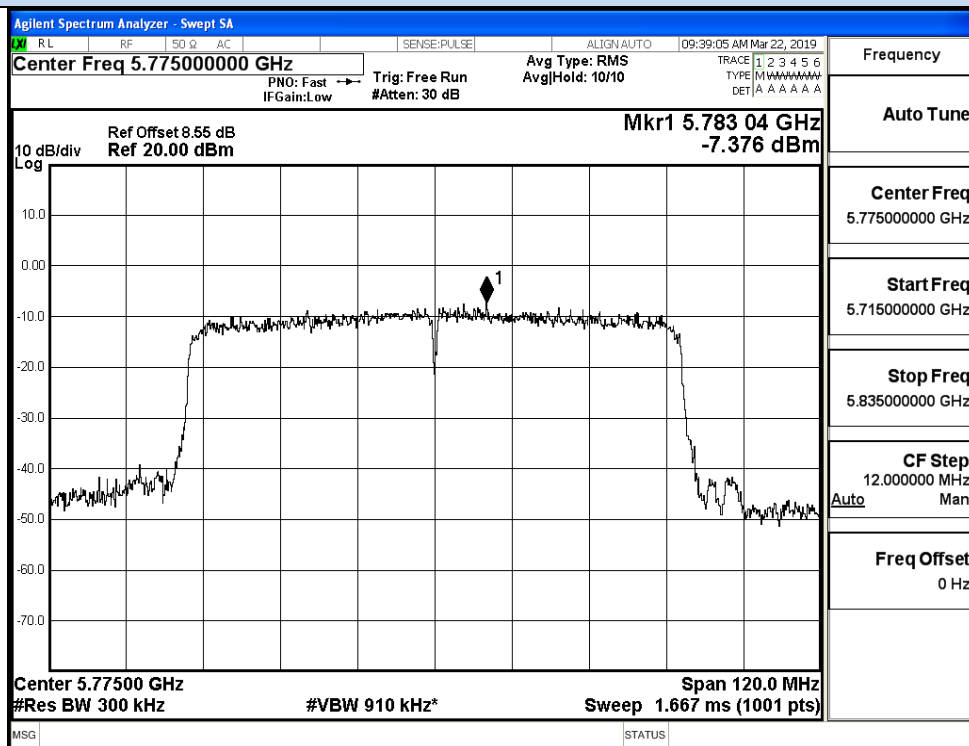
IEEE 802.11ac20 / Channel 165 / 5825MHz_Ant_4



IEEE 802.11ac40 / Channel 151 / 5755MHz_Ant_4



IEEE 802.11ac40 / Channel 159 / 5795MHz_Ant_4

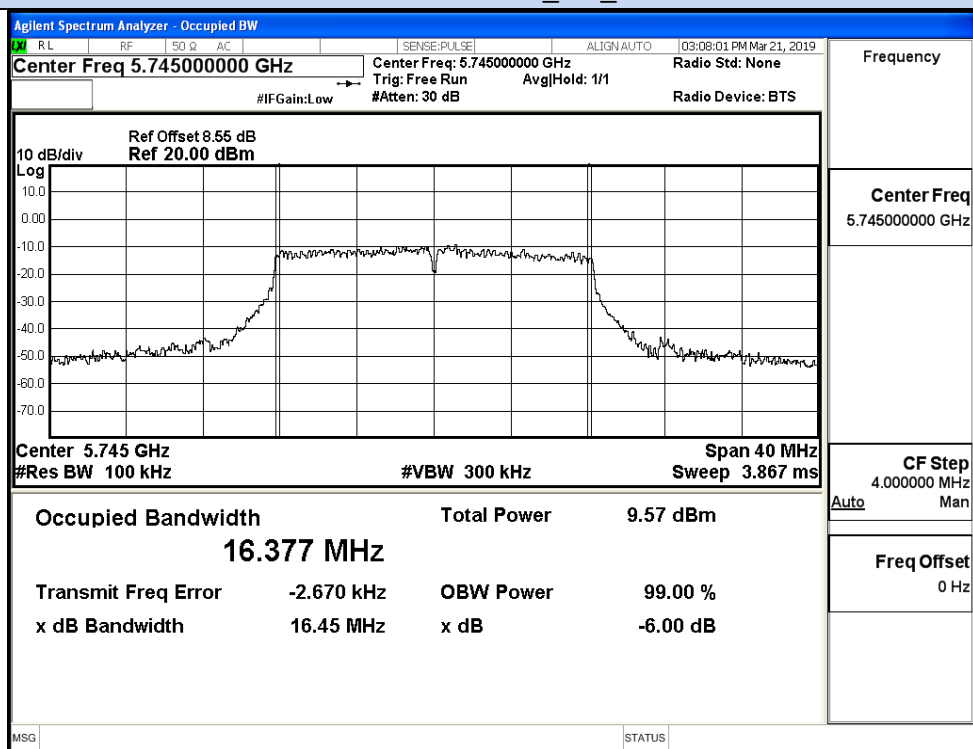


IEEE 802.11ac80 / Channel 155/ 5775MHz_Ant_4

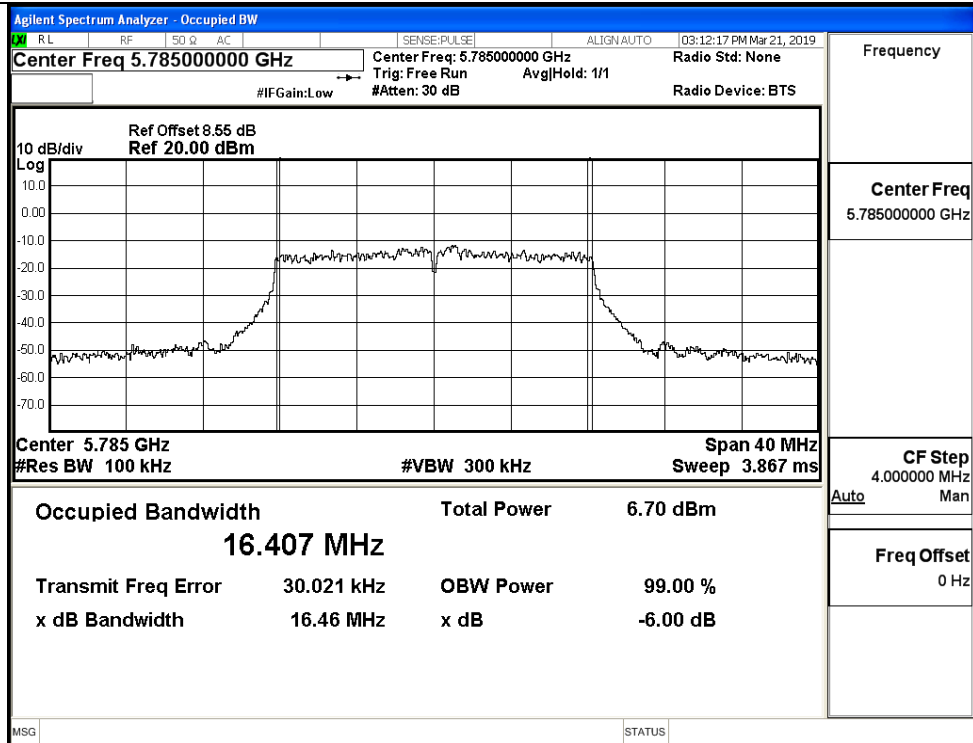
C.4 Emission Bandwidth

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)	Verdict
			Ant_3	Ant_4		
11A	149	5745	16.45	16.37	>=0.5	Pass
	157	5785	16.46	16.41		Pass
	165	5825	16.18	16.44		Pass
11N20	149	5745	17.32	16.62	>=0.5	Pass
	157	5785	17.59	17.34		Pass
	165	5825	17.05	17.11		Pass
11N40	151	5755	36.39	17.35	>=0.5	Pass
	159	5795	36.49	36.33		Pass
11AC20	149	5745	17.25	17.30	>=0.5	Pass
	157	5785	17.15	17.49		Pass
	165	5825	16.96	17.26		Pass
11AC40	151	5755	36.40	36.47	>=0.5	Pass
	159	5795	36.46	36.40		Pass
11AC80	155	5775	75.57	74.35	>=0.5	Pass

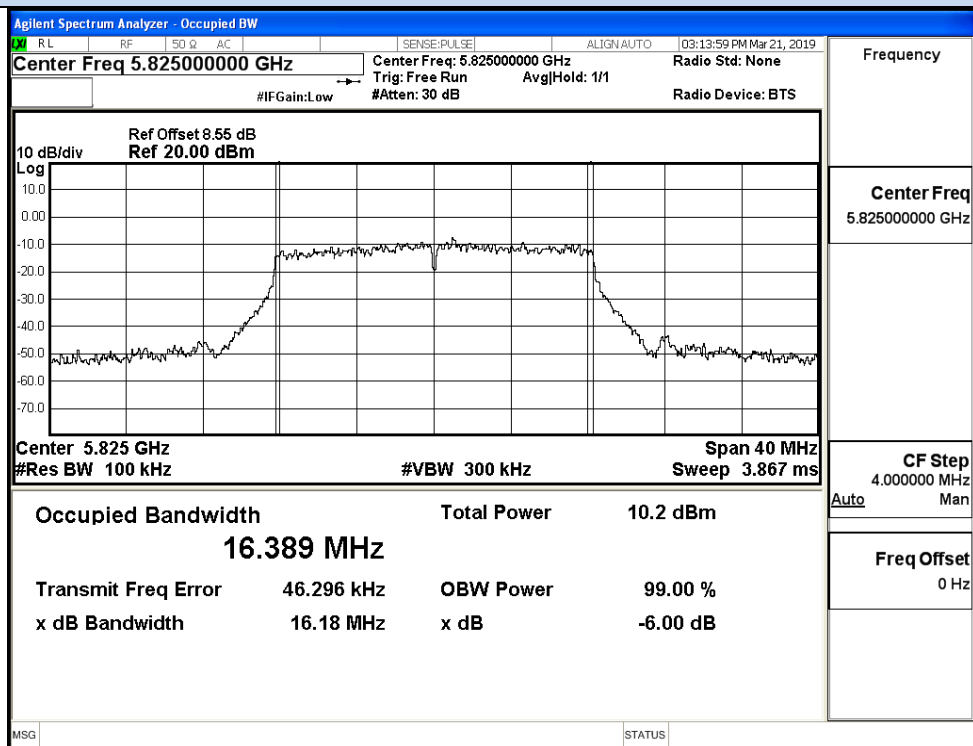
6dB Bandwidth_Ant_3



IEEE 802.11a / Channel 149 / 5745MHz_Ant_3

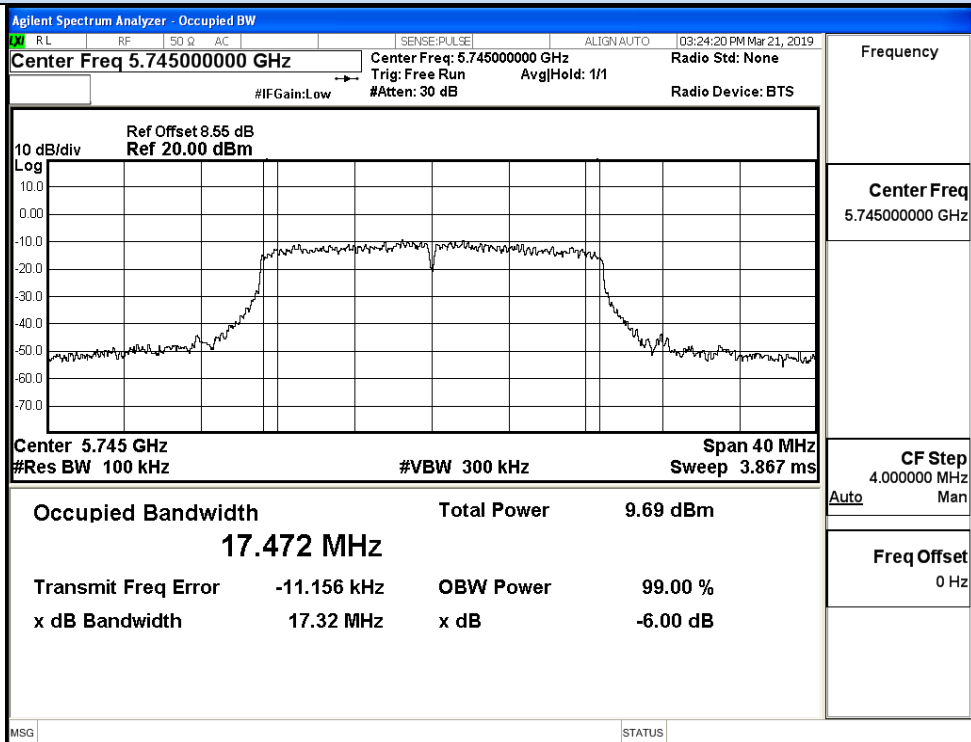


IEEE 802.11a / Channel 157 / 5785MHz_Ant_3

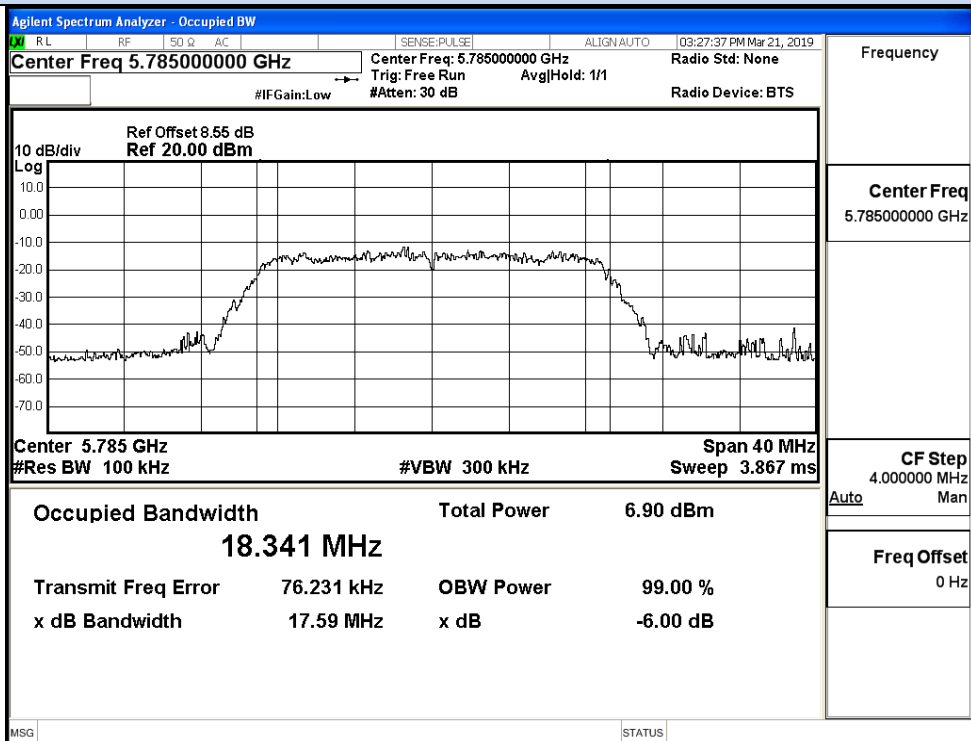


IEEE 802.11a / Channel 165 / 5825MHz_Ant_3

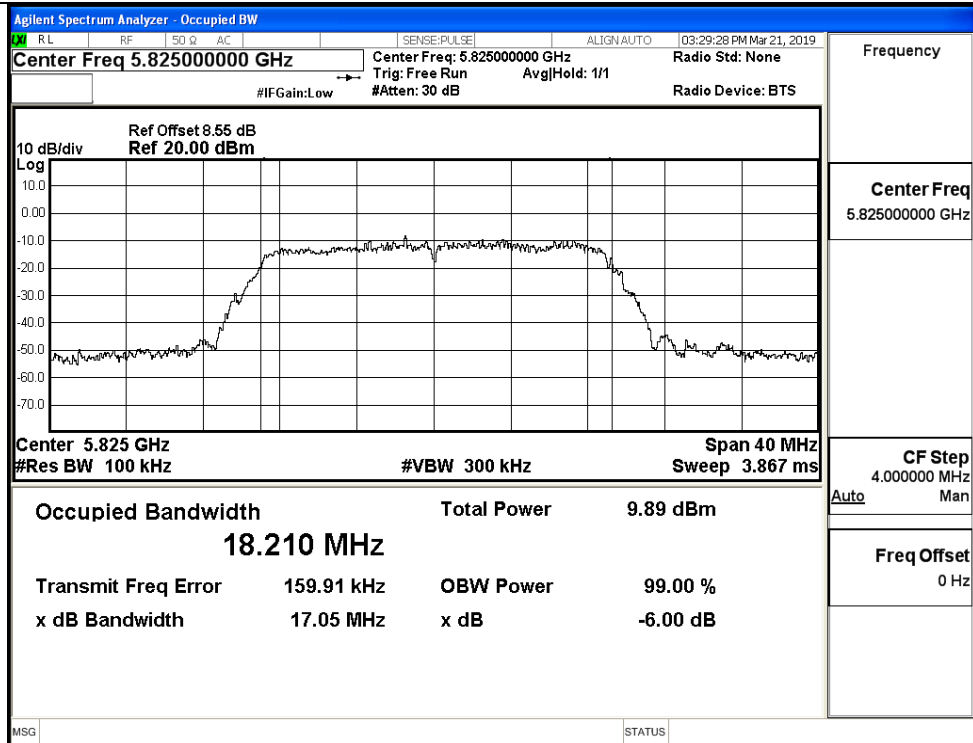
6dB Bandwidth_Ant_3



IEEE 802.11n20 / Channel 149 / 5745MHz_Ant_3

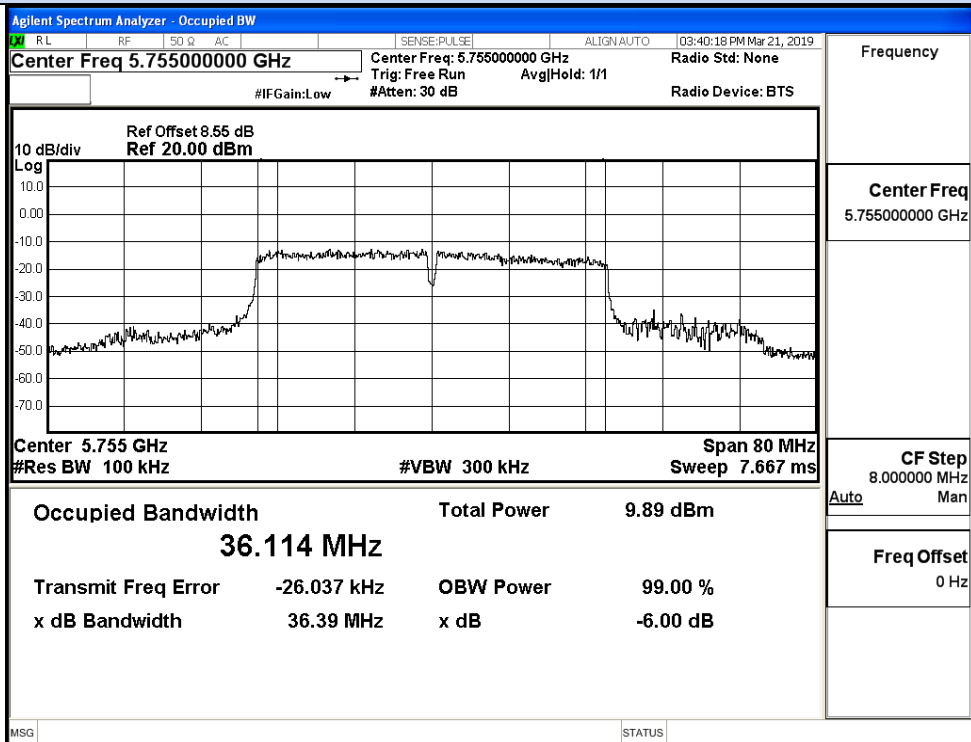


IEEE 802.11n20 / Channel 157 / 5785MHz_Ant_3

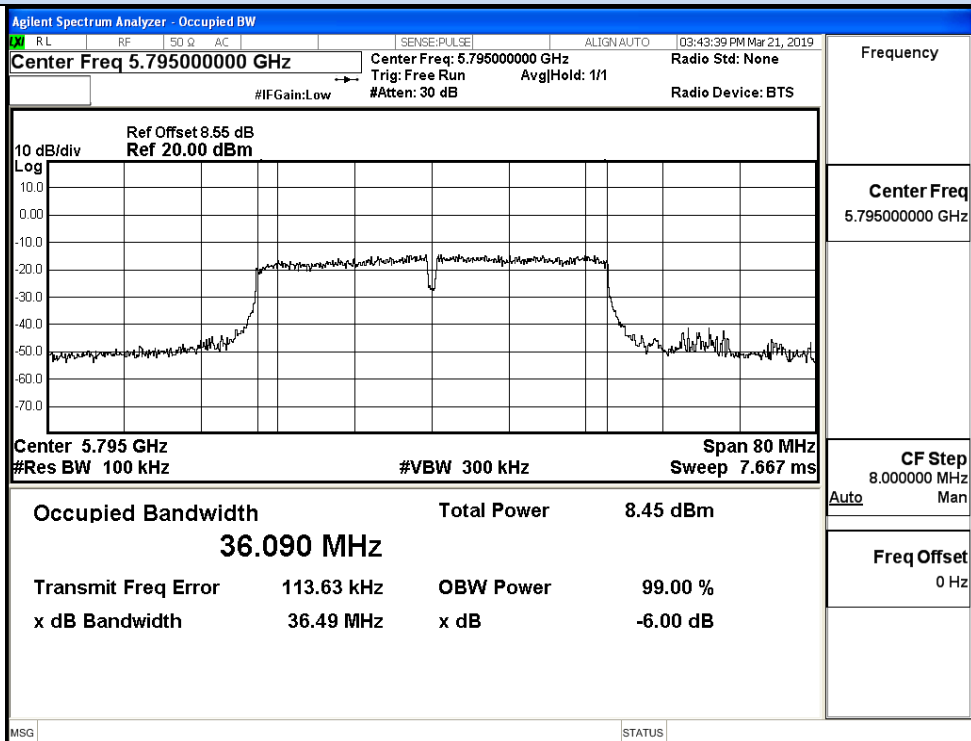


IEEE 802.11n20 / Channel 165 / 5825MHz_Ant_3

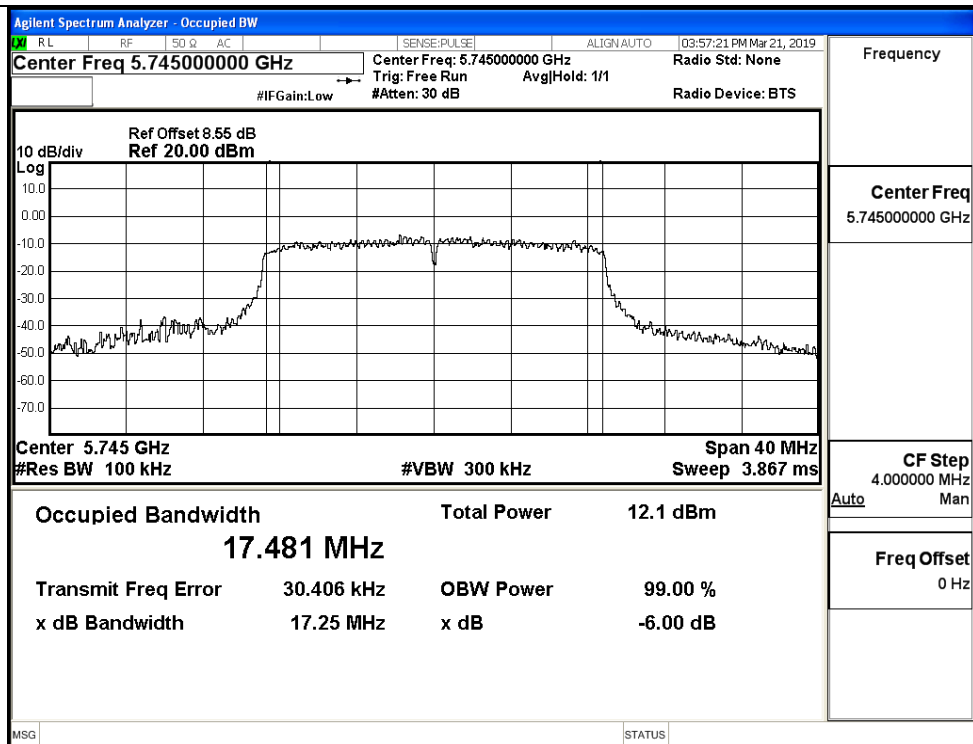
26dB Bandwidth_Ant_3



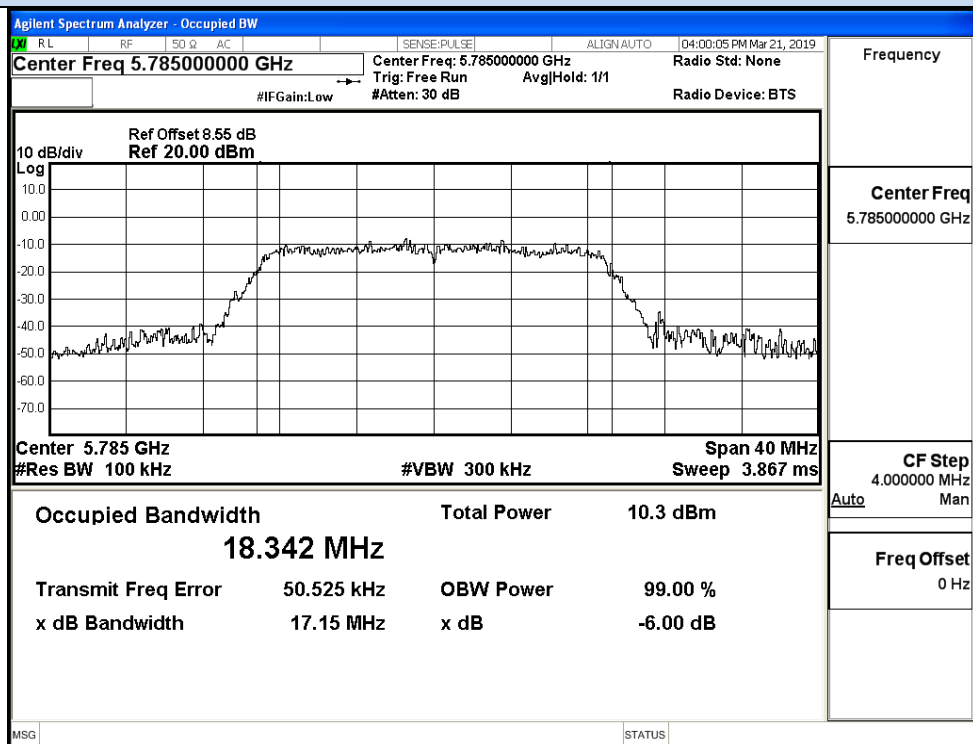
IEEE 802.11n40 / Channel 151 / 5755MHz_Ant_3



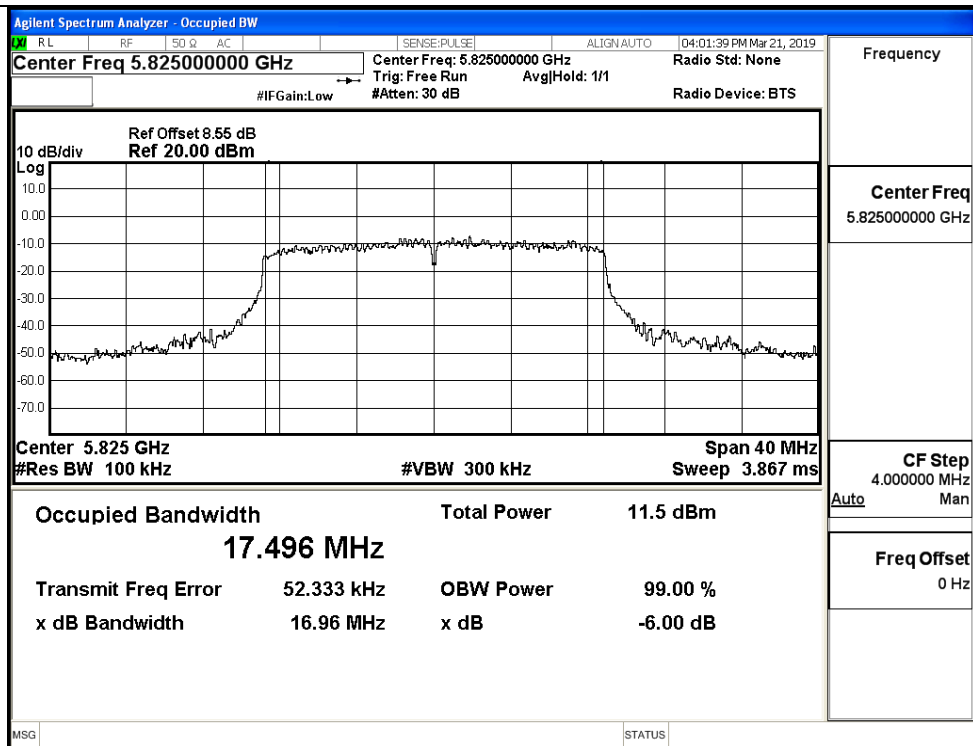
IEEE 802.11n40 / Channel 159 / 5795MHz_Ant_3



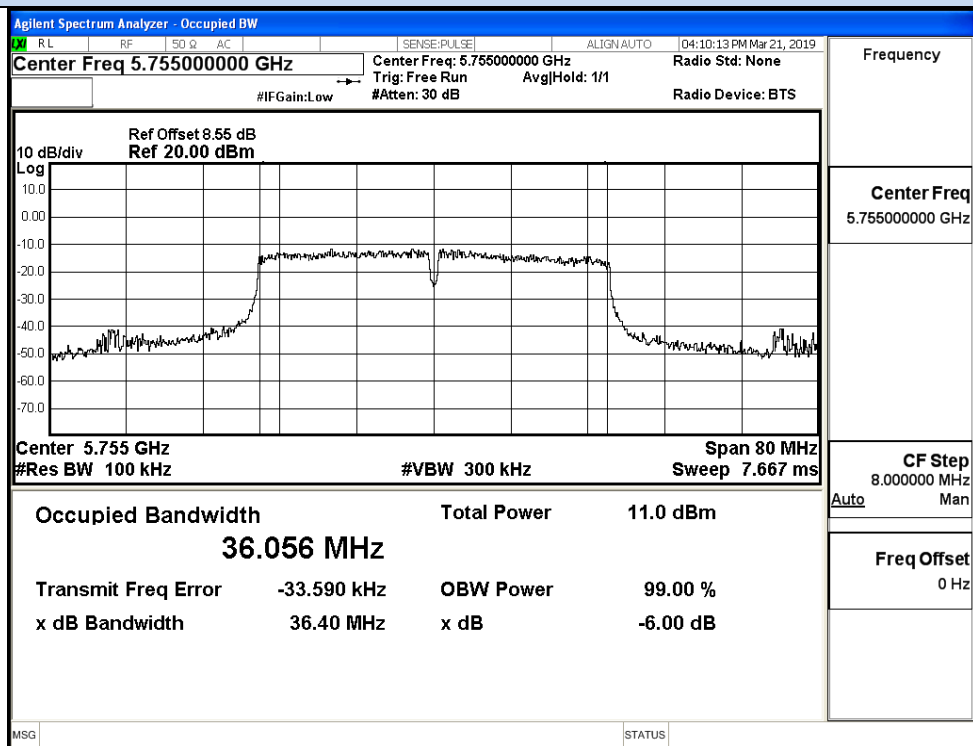
IEEE 802.11ac20 / Channel 149 / 5745MHz_Ant_3



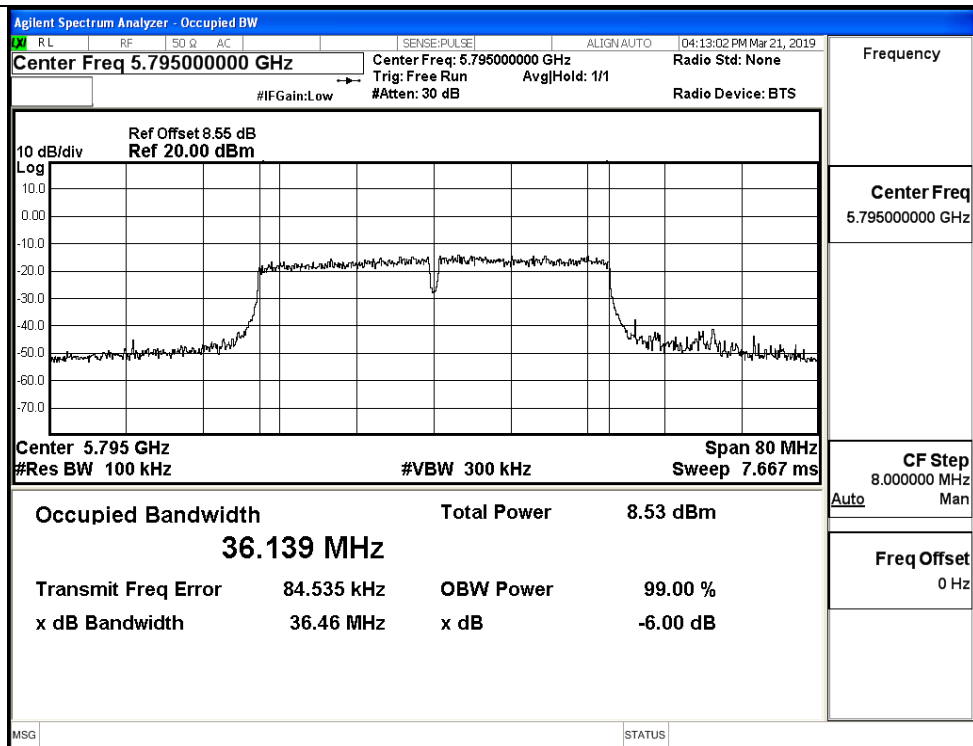
IEEE 802.11ac20 / Channel 157/ 5785MHz_Ant_3



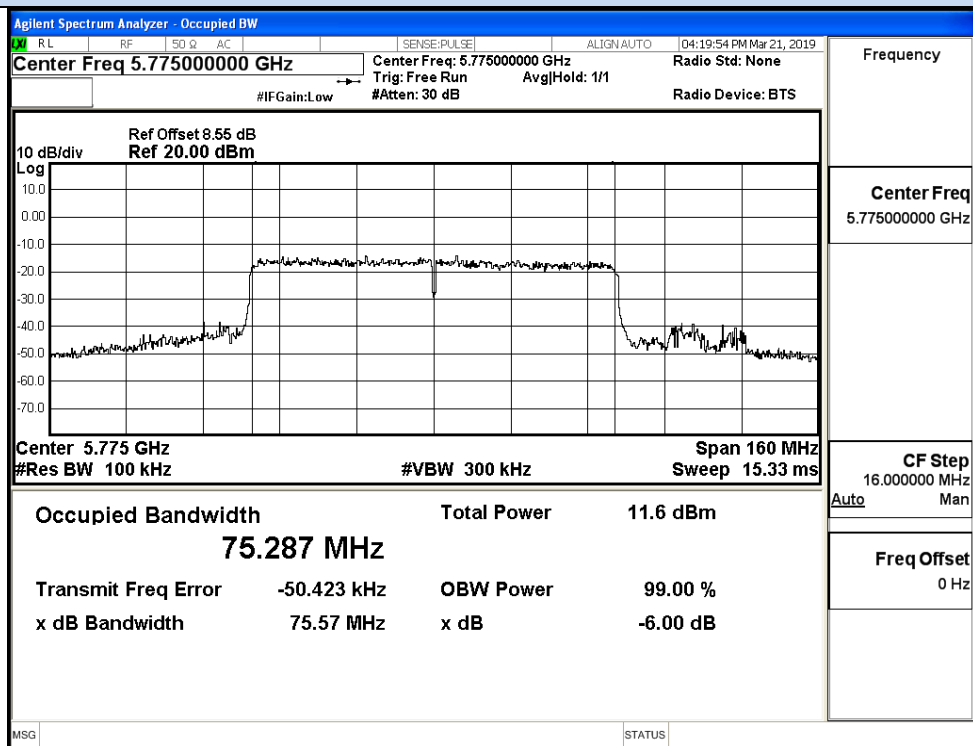
IEEE 802.11ac20 / Channel 165 / 5825MHz_Ant_3



IEEE 802.11ac40 / Channel 151 / 5755MHz_Ant_3

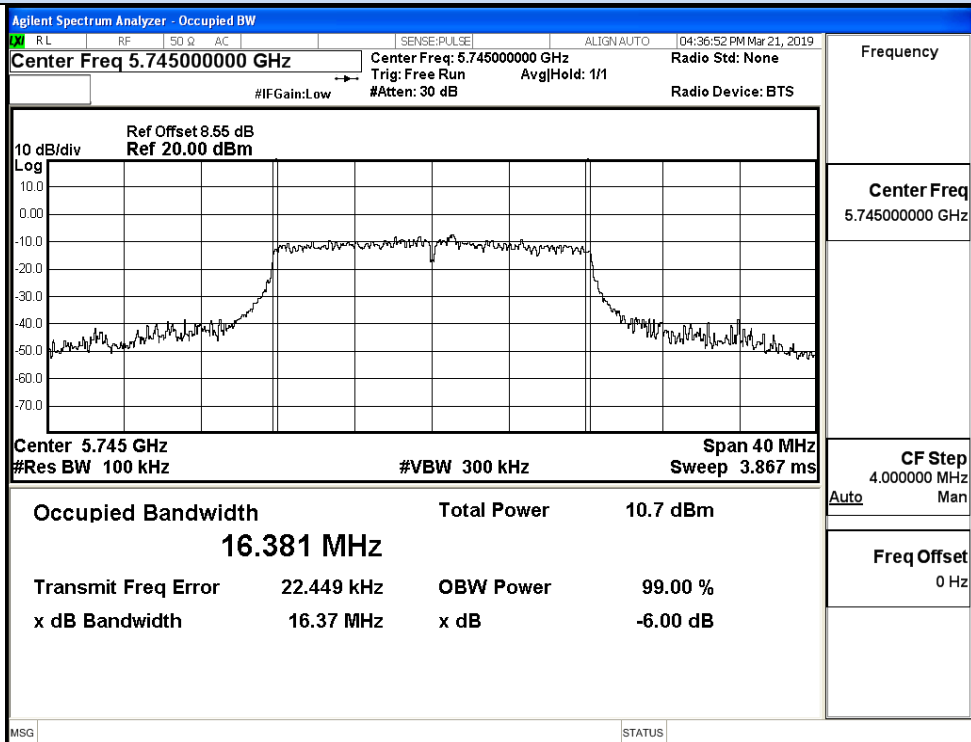


IEEE 802.11ac40 / Channel 159 / 5795MHz_Ant_3

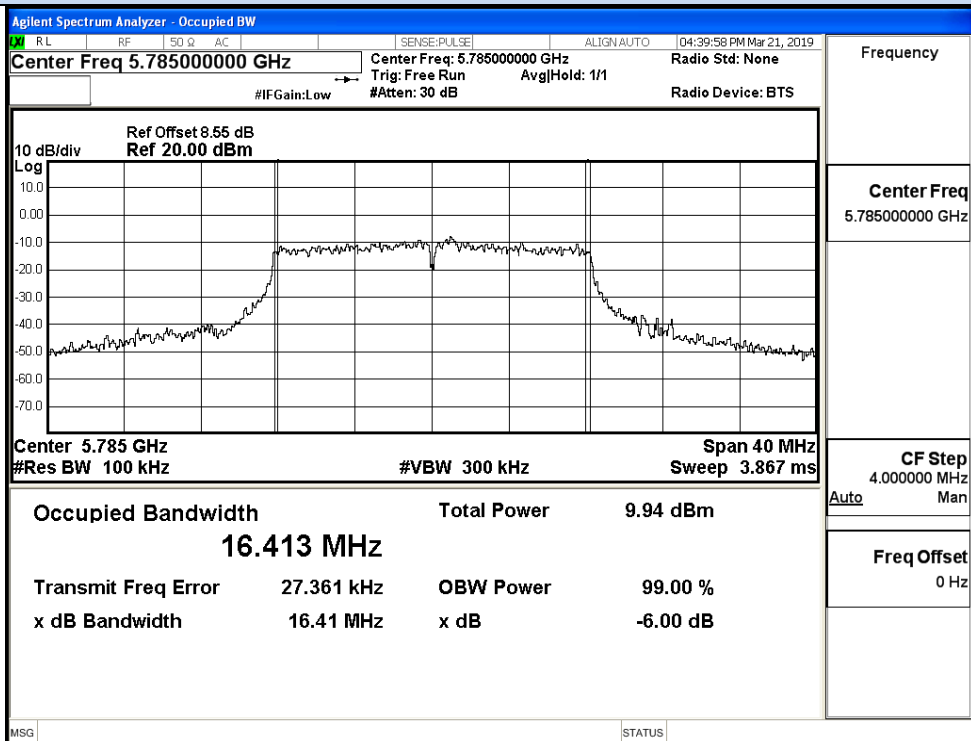


IEEE 802.11ac80 / Channel 155 / 5775MHz_Ant_3

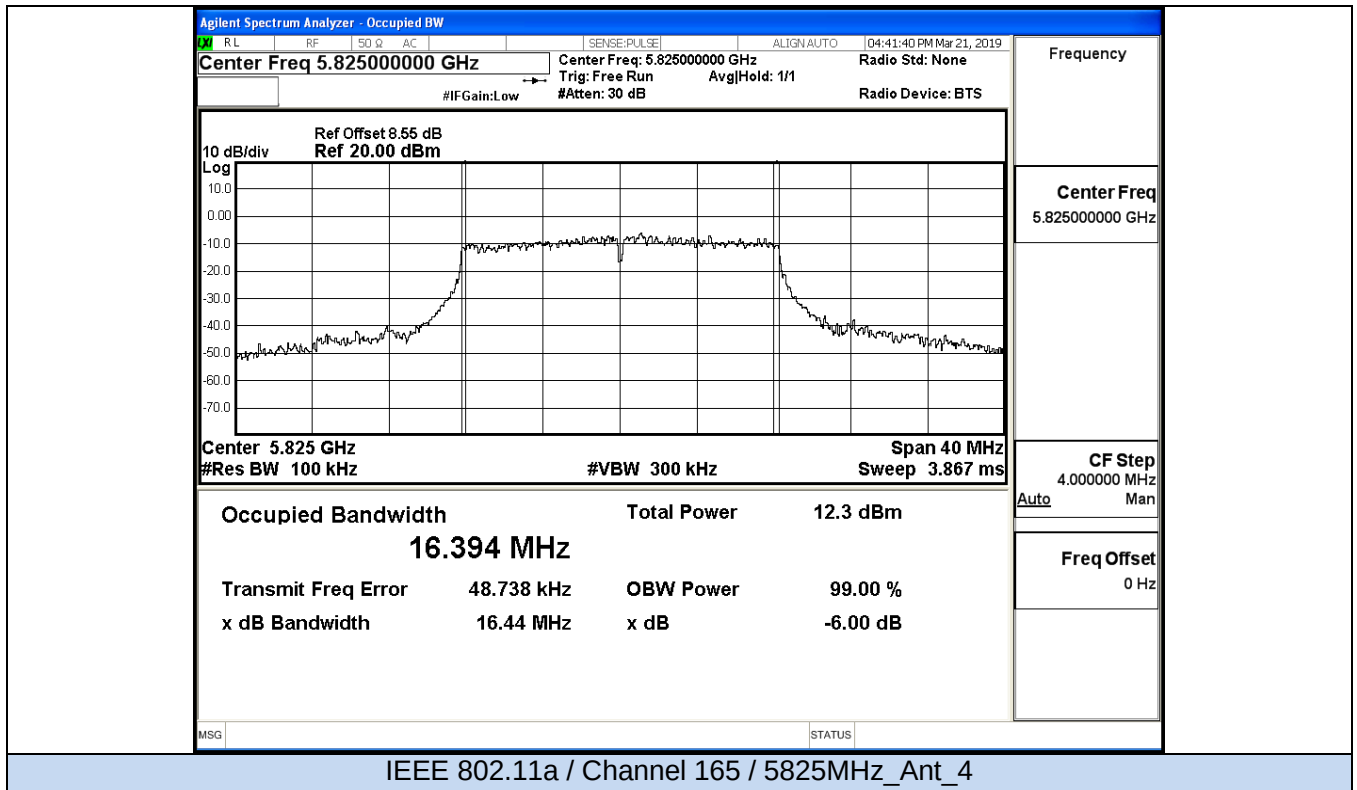
6dB Bandwidth_Ant_4



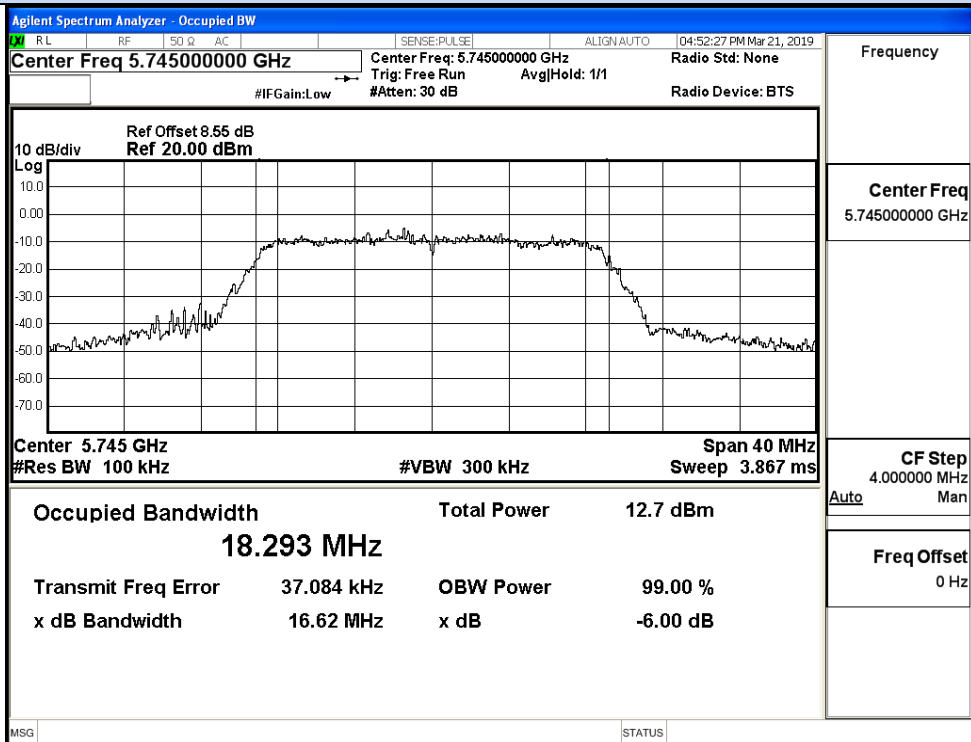
IEEE 802.11a / Channel 149 / 5745MHz_Ant_4



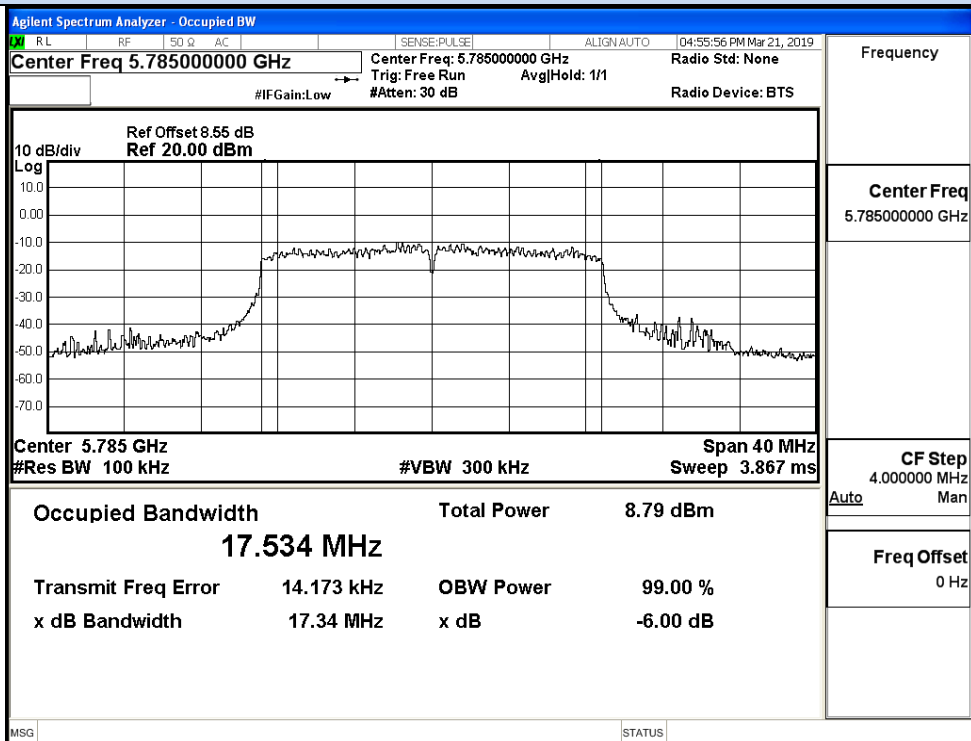
IEEE 802.11a / Channel 157 / 5785MHz_Ant_4



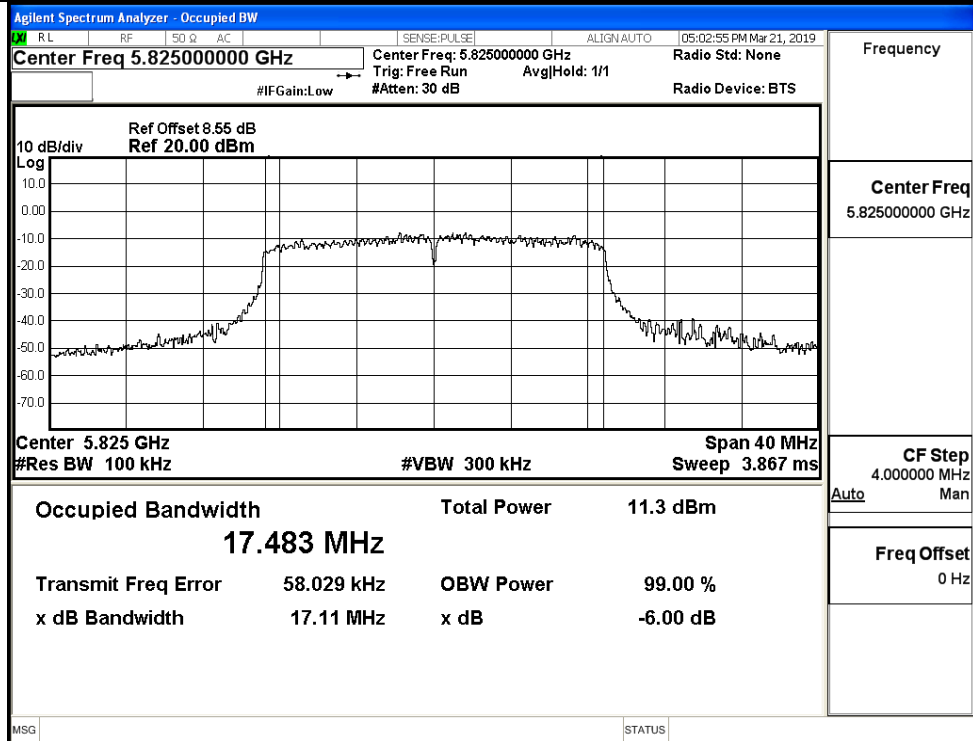
6dB Bandwidth_Ant_4



IEEE 802.11n20 / Channel 149 / 5745MHz_Ant_4

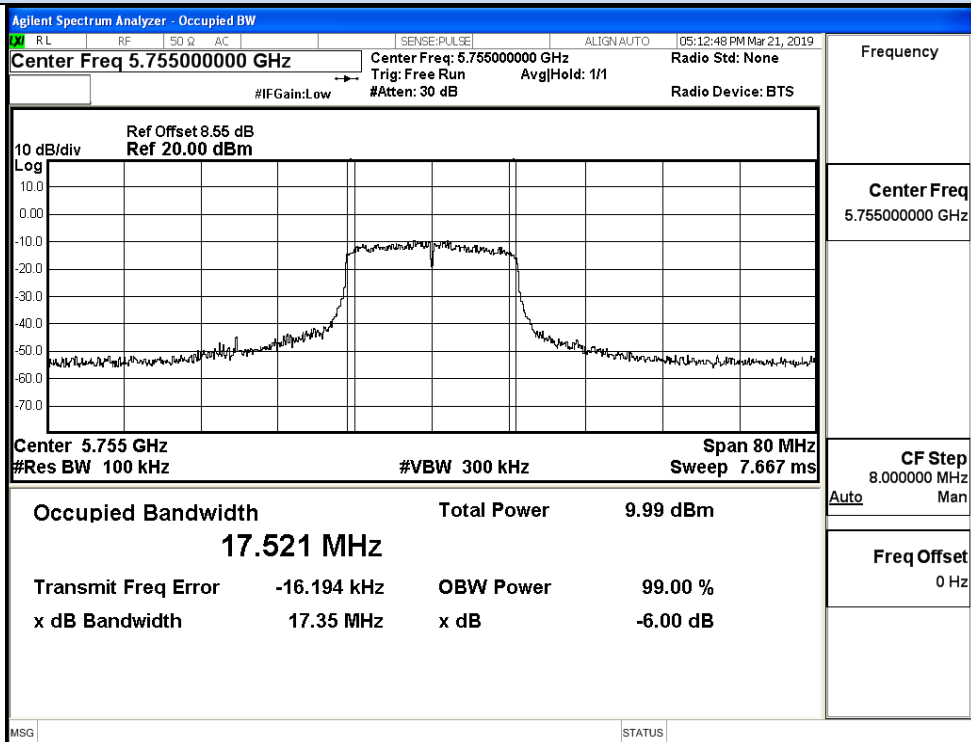


IEEE 802.11n20 / Channel 157 / 5785MHz_Ant_4

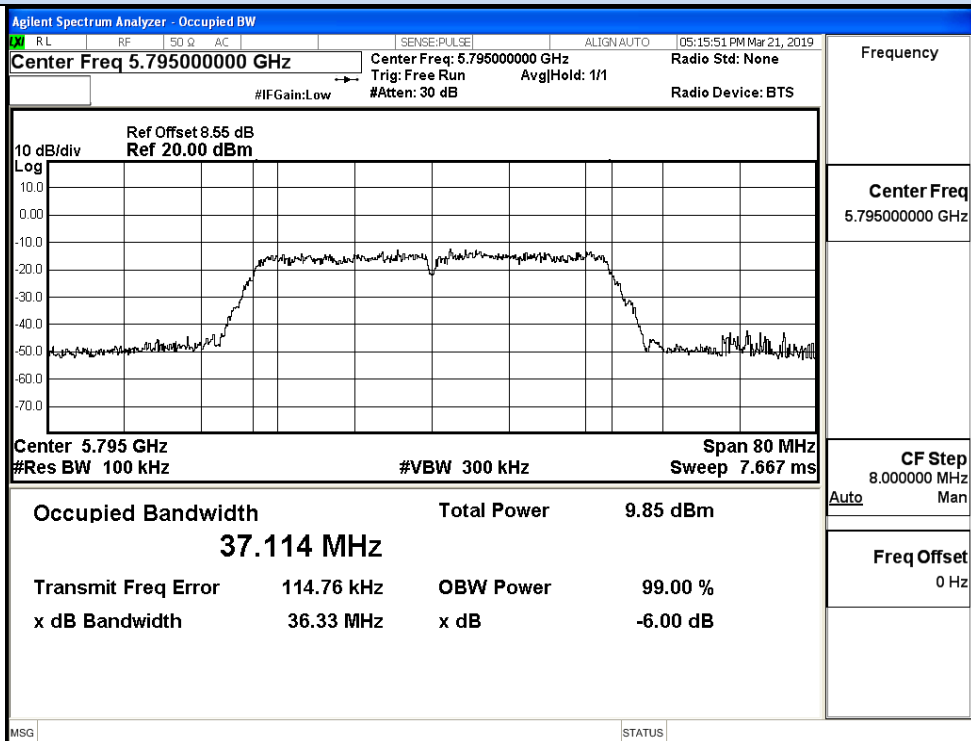


IEEE 802.11n20 / Channel 165 / 5825MHz_Ant_4

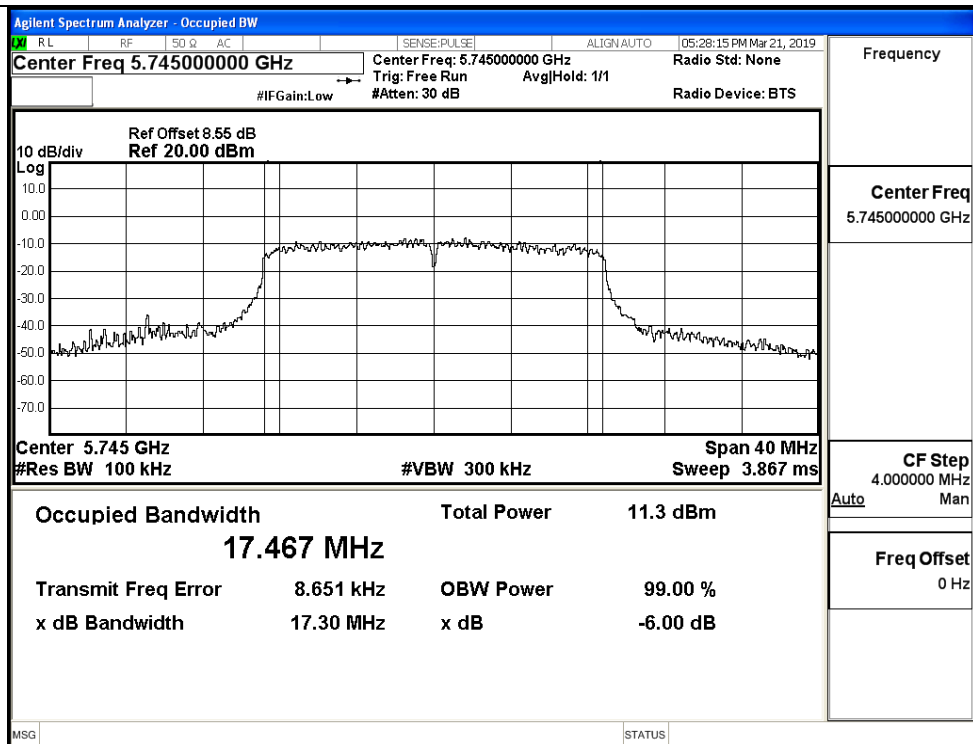
26dB Bandwidth_Ant_4



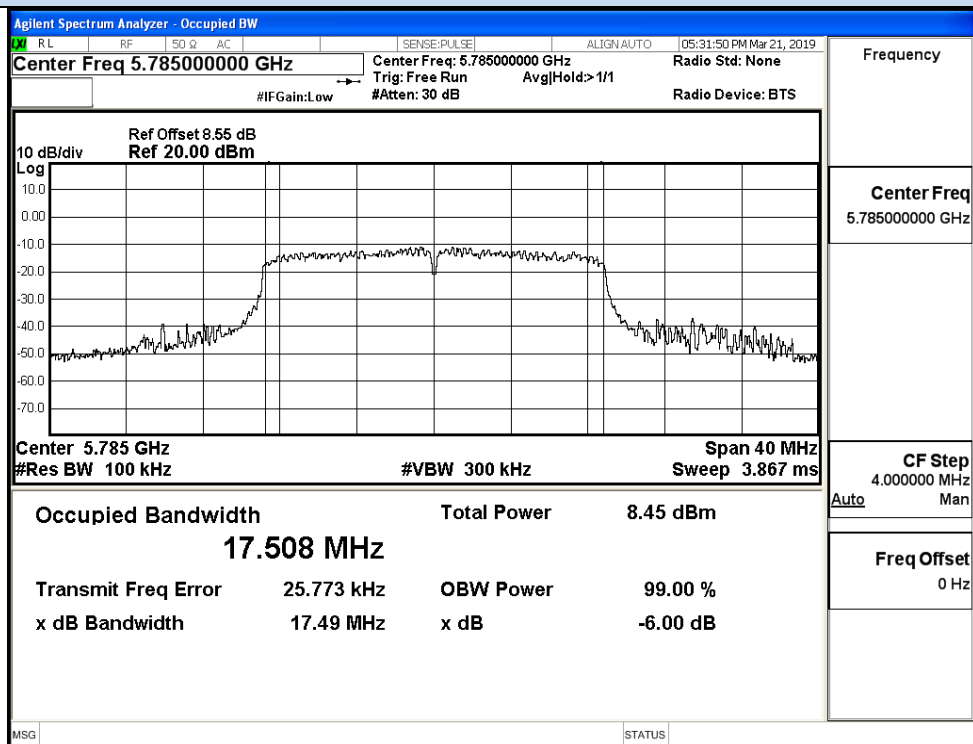
IEEE 802.11n40 / Channel 151 / 5755MHz_Ant_4



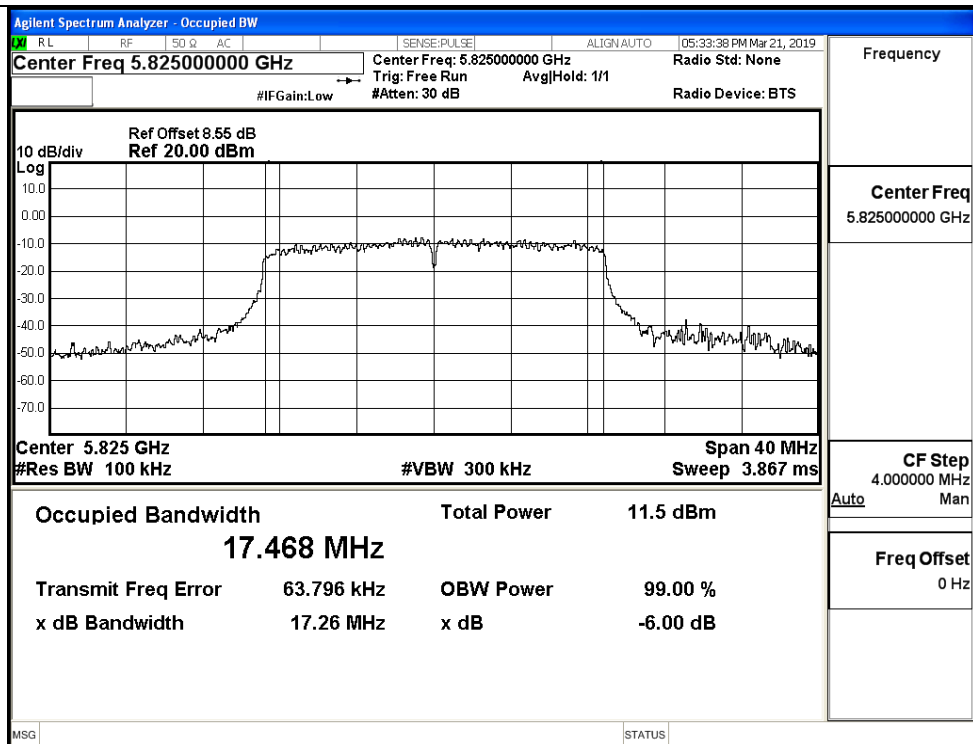
IEEE 802.11n40 / Channel 159 / 5795MHz_Ant_4



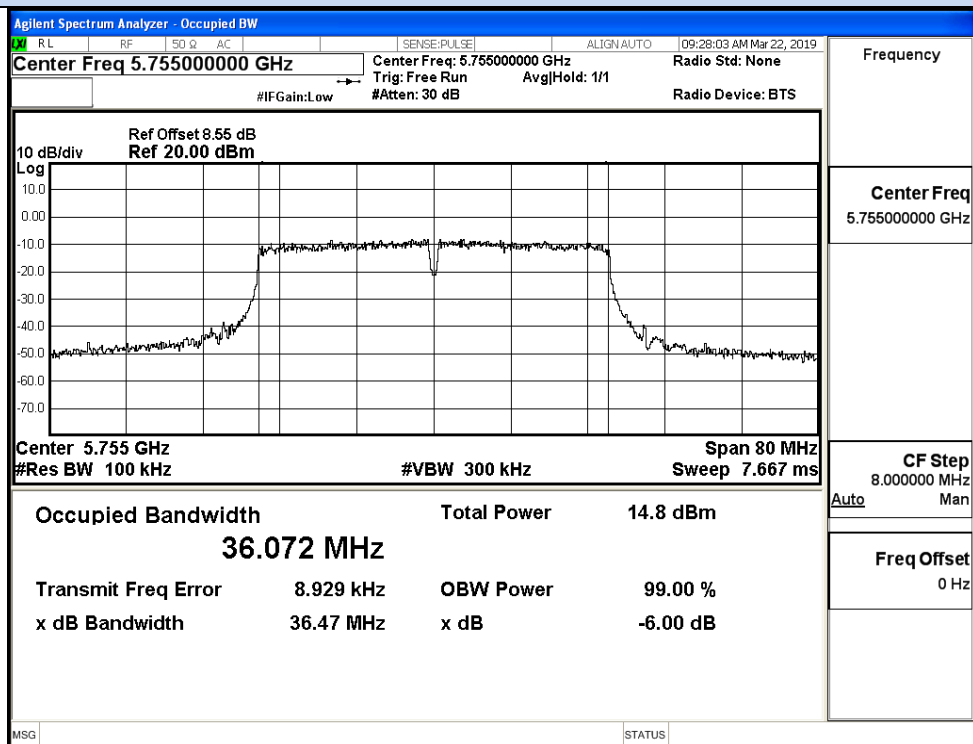
IEEE 802.11ac20 / Channel 149 / 5745MHz_Ant_4



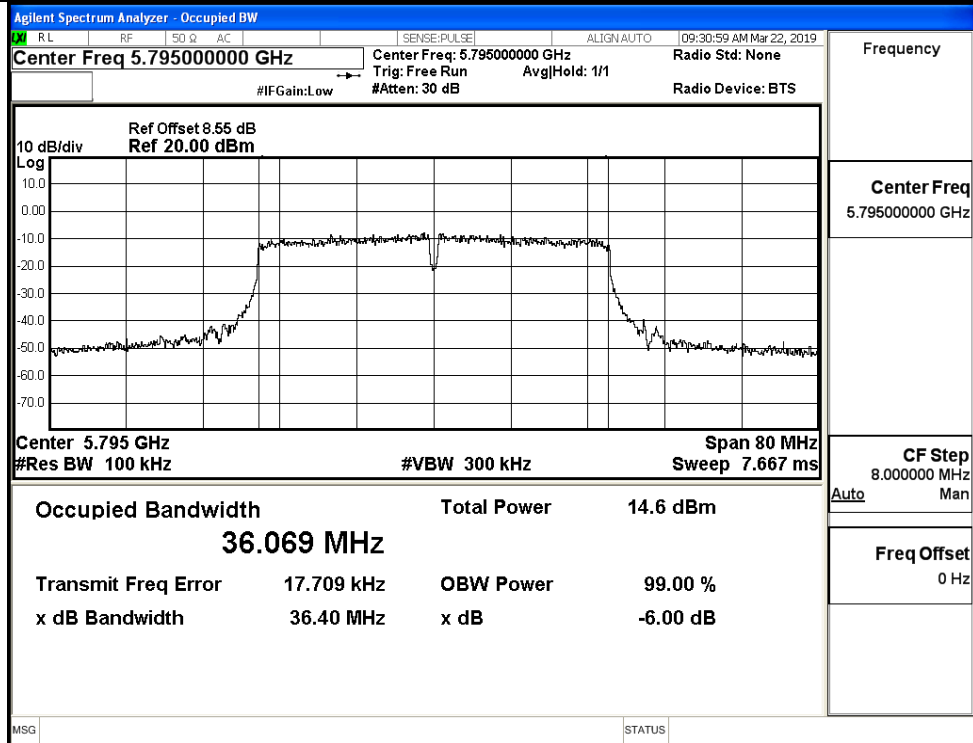
IEEE 802.11ac20 / Channel 157/ 5785MHz_Ant_4



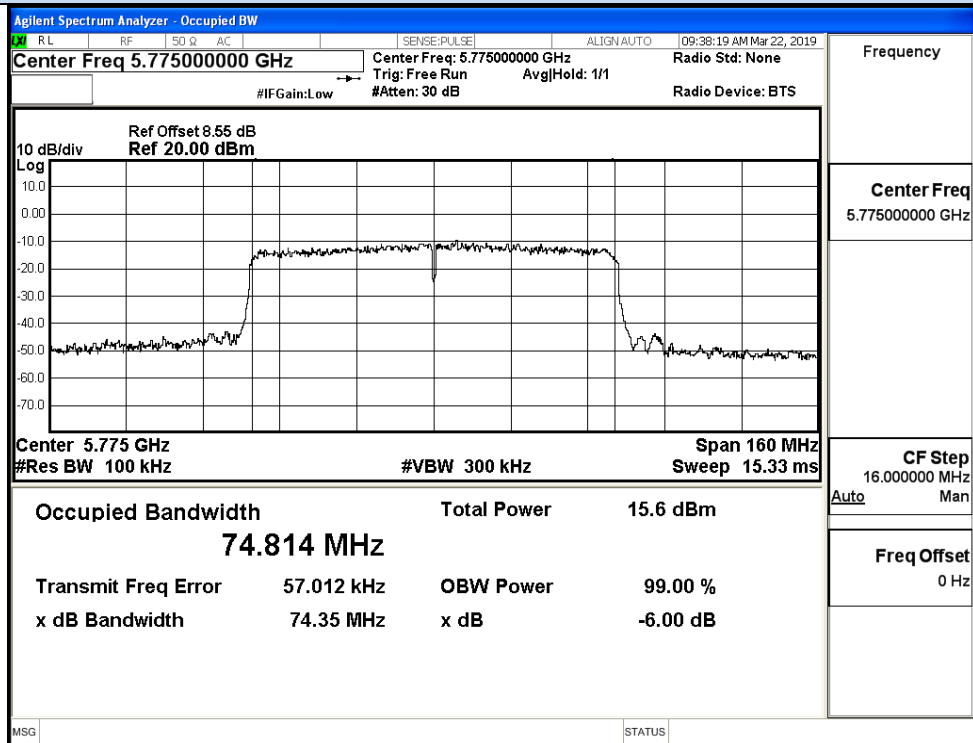
IEEE 802.11ac20 / Channel 165 / 5825MHz_Ant_4



IEEE 802.11ac40 / Channel 151 / 5755MHz_Ant_4



IEEE 802.11ac40 / Channel 159 / 5795MHz_Ant_4



IEEE 802.11ac80 / Channel 155 / 5775MHz_Ant_4

C.5 Undesirable Emissions Measurement

Ant_3

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11A	149	5650.0	-53.12	5.00	-48.12	Peak	-27.0	Pass
		5650.0	-65.66	5.00	-60.66	Average	-27.0	Pass
		5700.0	-53.28	5.00	-48.28	Peak	10	Pass
		5700.0	-65.66	5.00	-60.66	Average	10	Pass
		5720.0	-53.01	5.00	-48.01	Peak	15.6	Pass
		5720.0	-65.51	5.00	-60.51	Average	15.6	Pass
		5725.0	-52.54	5.00	-47.54	Peak	27.0	Pass
		5725.0	-65.27	5.00	-60.27	Average	27.0	Pass
	165	5850.0	-54.24	5.00	-49.24	Peak	27.0	Pass
		5850.0	-65.45	5.00	-60.45	Average	27.0	Pass
		5855.0	-53.80	5.00	-48.80	Peak	15.6	Pass
		5855.0	-65.53	5.00	-60.53	Average	15.6	Pass
		5875.0	-54.32	5.00	-49.32	Peak	10	Pass
		5875.0	-65.67	5.00	-60.67	Average	10	Pass
		5925.0	-53.94	5.00	-48.94	Peak	-27.0	Pass
		5925.0	-65.77	5.00	-60.77	Average	-27.0	Pass
11N20	149	5650.0	-54.33	5.00	-49.33	Peak	-27.0	Pass
		5650.0	-65.63	5.00	-60.63	Average	-27.0	Pass
		5700.0	-54.83	5.00	-49.83	Peak	10	Pass
		5700.0	-65.59	5.00	-60.59	Average	10	Pass
		5720.0	-54.01	5.00	-49.01	Peak	15.6	Pass
		5720.0	-65.76	5.00	-60.76	Average	15.6	Pass
		5725.0	-54.34	5.00	-49.34	Peak	27.0	Pass
		5725.0	-65.48	5.00	-60.48	Average	27.0	Pass
	165	5850.0	-53.49	5.00	-48.49	Peak	27.0	Pass
		5850.0	-65.56	5.00	-60.56	Average	27.0	Pass
		5855.0	-53.94	5.00	-48.94	Peak	15.6	Pass
		5855.0	-65.65	5.00	-60.65	Average	15.6	Pass
		5875.0	-53.68	5.00	-48.68	Peak	10	Pass
		5875.0	-65.70	5.00	-60.70	Average	10	Pass
		5925.0	-53.55	5.00	-48.55	Peak	-27.0	Pass
		5925.0	-65.80	5.00	-60.80	Average	-27.0	Pass

Ant_3

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N40	151	5650.0	-53.35	5.00	-48.35	Peak	-27.0	Pass
		5650.0	-65.43	5.00	-60.43	Average	-27.0	Pass
		5700.0	-54.03	5.00	-49.03	Peak	10	Pass
		5700.0	-65.47	5.00	-60.47	Average	10	Pass
		5720.0	-53.30	5.00	-48.30	Peak	15.6	Pass
		5720.0	-65.15	5.00	-60.15	Average	15.6	Pass
		5725.0	-52.58	5.00	-47.58	Peak	27.0	Pass
		5725.0	-64.72	5.00	-59.72	Average	27.0	Pass
	159	5850.0	-54.22	5.00	-49.22	Peak	27.0	Pass
		5850.0	-65.27	5.00	-60.27	Average	27.0	Pass
		5855.0	-53.63	5.00	-48.63	Peak	15.6	Pass
		5855.0	-65.31	5.00	-60.31	Average	15.6	Pass
		5875.0	-52.28	5.00	-47.28	Peak	10	Pass
		5875.0	-65.36	5.00	-60.36	Average	10	Pass
		5925.0	-54.40	5.00	-49.40	Peak	-27.0	Pass
		5925.0	-65.47	5.00	-60.47	Average	-27.0	Pass
11AC20	149	5650.0	-53.76	5.00	-48.76	Peak	-27.0	Pass
		5650.0	-65.55	5.00	-60.55	Average	-27.0	Pass
		5700.0	-53.50	5.00	-48.50	Peak	10	Pass
		5700.0	-65.57	5.00	-60.57	Average	10	Pass
		5720.0	-53.67	5.00	-48.67	Peak	15.6	Pass
		5720.0	-65.68	5.00	-60.68	Average	15.6	Pass
		5725.0	-52.65	5.00	-47.65	Peak	27.0	Pass
		5725.0	-65.34	5.00	-60.34	Average	27.0	Pass
	165	5850.0	-53.84	5.00	-48.84	Peak	27.0	Pass
		5850.0	-65.59	5.00	-60.59	Average	27.0	Pass
		5855.0	-53.82	5.00	-48.82	Peak	15.6	Pass
		5855.0	-65.64	5.00	-60.64	Average	15.6	Pass
		5875.0	-54.12	5.00	-49.12	Peak	10	Pass
		5875.0	-65.76	5.00	-60.76	Average	10	Pass
		5925.0	-54.01	5.00	-49.01	Peak	-27.0	Pass
		5925.0	-65.82	5.00	-60.82	Average	-27.0	Pass
11AC40	151	5650.0	-53.41	5.00	-48.41	Peak	-27.0	Pass
		5650.0	-65.39	5.00	-60.39	Average	-27.0	Pass
		5700.0	-54.49	5.00	-49.49	Peak	10	Pass
		5700.0	-65.45	5.00	-60.45	Average	10	Pass
		5720.0	-53.55	5.00	-48.55	Peak	15.6	Pass
		5720.0	-65.06	5.00	-60.06	Average	15.6	Pass
		5725.0	-52.64	5.00	-47.64	Peak	27.0	Pass
		5725.0	-64.69	5.00	-59.69	Average	27.0	Pass
	159	5850.0	-54.81	5.00	-49.81	Peak	27.0	Pass
		5850.0	-65.32	5.00	-60.32	Average	27.0	Pass
		5855.0	-53.59	5.00	-48.59	Peak	15.6	Pass
		5855.0	-65.34	5.00	-60.34	Average	15.6	Pass
		5875.0	-53.89	5.00	-48.89	Peak	10	Pass
		5875.0	-65.41	5.00	-60.41	Average	10	Pass
		5925.0	-52.65	5.00	-47.65	Peak	-27.0	Pass
		5925.0	-65.47	5.00	-60.47	Average	-27.0	Pass
11AC80	155	5725.0	-53.60	5.00	-48.60	Peak	27.0	Pass
		5720.0	-53.63	5.00	-48.63	Peak	15.6	Pass
		5700.0	-53.96	5.00	-48.96	Peak	10	Pass
		5650.0	-53.37	5.00	-48.37	Peak	-27.0	Pass
		5725.0	-64.19	5.00	-59.19	Average	27.0	Pass
		5720.0	-64.44	5.00	-59.44	Average	15.6	Pass
		5700.0	-64.84	5.00	-59.84	Average	10	Pass
		5650.0	-65.10	5.00	-60.10	Average	-27.0	Pass
		5850.0	-53.60	5.00	-48.60	Peak	27.0	Pass
		5855.0	-53.63	5.00	-48.63	Peak	15.6	Pass
		5875.0	-53.96	5.00	-48.96	Peak	10	Pass
		5925.0	-53.37	5.00	-48.37	Peak	-27.0	Pass
		5850.0	-64.19	5.00	-59.19	Average	27.0	Pass
		5855.0	-64.44	5.00	-59.44	Average	15.6	Pass
		5875.0	-64.84	5.00	-59.84	Average	10	Pass
		5925.0	-65.10	5.00	-60.10	Average	-27.0	Pass

Ant_4

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11A	149	5650.0	-52.94	5.00	-47.94	Peak	-27.0	Pass
		5650.0	-65.51	5.00	-60.51	Average	-27.0	Pass
		5700.0	-53.76	5.00	-48.76	Peak	10	Pass
		5700.0	-65.60	5.00	-60.60	Average	10	Pass
		5720.0	-53.47	5.00	-48.47	Peak	15.6	Pass
		5720.0	-65.47	5.00	-60.47	Average	15.6	Pass
		5725.0	-53.48	5.00	-48.48	Peak	27.0	Pass
		5725.0	-65.25	5.00	-60.25	Average	27.0	Pass
	165	5850.0	-53.00	5.00	-48.00	Peak	27.0	Pass
		5850.0	-65.64	5.00	-60.64	Average	27.0	Pass
		5855.0	-53.99	5.00	-48.99	Peak	15.6	Pass
		5855.0	-65.72	5.00	-60.72	Average	15.6	Pass
		5875.0	-54.41	5.00	-49.41	Peak	10	Pass
		5875.0	-65.79	5.00	-60.79	Average	10	Pass
		5925.0	-54.62	5.00	-49.62	Peak	-27.0	Pass
		5925.0	-65.84	5.00	-60.84	Average	-27.0	Pass
11N20	149	5650.0	-52.55	5.00	-47.55	Peak	-27.0	Pass
		5650.0	-65.56	5.00	-60.56	Average	-27.0	Pass
		5700.0	-54.06	5.00	-49.06	Peak	10	Pass
		5700.0	-65.51	5.00	-60.51	Average	10	Pass
		5720.0	-54.00	5.00	-49.00	Peak	15.6	Pass
		5720.0	-65.62	5.00	-60.62	Average	15.6	Pass
		5725.0	-52.36	5.00	-47.36	Peak	27.0	Pass
		5725.0	-65.28	5.00	-60.28	Average	27.0	Pass
	165	5850.0	-54.41	5.00	-49.41	Peak	27.0	Pass
		5850.0	-65.64	5.00	-60.64	Average	27.0	Pass
		5855.0	-53.41	5.00	-48.41	Peak	15.6	Pass
		5855.0	-65.74	5.00	-60.74	Average	15.6	Pass
		5875.0	-54.85	5.00	-49.85	Peak	10	Pass
		5875.0	-65.79	5.00	-60.79	Average	10	Pass
		5925.0	-54.76	5.00	-49.76	Peak	-27.0	Pass
		5925.0	-65.85	5.00	-60.85	Average	-27.0	Pass

Ant_4

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N40	151	5650.0	-53.89	5.00	-48.89	Peak	-27.0	Pass
		5650.0	-65.33	5.00	-60.33	Average	-27.0	Pass
		5700.0	-52.21	5.00	-47.21	Peak	10	Pass
		5700.0	-65.31	5.00	-60.31	Average	10	Pass
		5720.0	-54.14	5.00	-49.14	Peak	15.6	Pass
		5720.0	-64.96	5.00	-59.96	Average	15.6	Pass
		5725.0	-52.01	5.00	-47.01	Peak	27.0	Pass
		5725.0	-64.52	5.00	-59.52	Average	27.0	Pass
	159	5850.0	-54.15	5.00	-49.15	Peak	27.0	Pass
		5850.0	-65.24	5.00	-60.24	Average	27.0	Pass
		5855.0	-53.44	5.00	-48.44	Peak	15.6	Pass
		5855.0	-65.25	5.00	-60.25	Average	15.6	Pass
		5875.0	-52.87	5.00	-47.87	Peak	10	Pass
		5875.0	-65.31	5.00	-60.31	Average	10	Pass
		5925.0	-54.40	5.00	-49.40	Peak	-27.0	Pass
		5925.0	-65.36	5.00	-60.36	Average	-27.0	Pass
11AC20	149	5650.0	-53.56	5.00	-48.56	Peak	-27.0	Pass
		5650.0	-65.49	5.00	-60.49	Average	-27.0	Pass
		5700.0	-53.29	5.00	-48.29	Peak	10	Pass
		5700.0	-65.42	5.00	-60.42	Average	10	Pass
		5720.0	-52.90	5.00	-47.90	Peak	15.6	Pass
		5720.0	-65.50	5.00	-60.50	Average	15.6	Pass
		5725.0	-53.26	5.00	-48.26	Peak	27.0	Pass
		5725.0	-65.16	5.00	-60.16	Average	27.0	Pass
	165	5850.0	-53.25	5.00	-48.25	Peak	27.0	Pass
		5850.0	-65.53	5.00	-60.53	Average	27.0	Pass
		5855.0	-53.97	5.00	-48.97	Peak	15.6	Pass
		5855.0	-65.54	5.00	-60.54	Average	15.6	Pass
		5875.0	-55.15	5.00	-50.15	Peak	10	Pass
		5875.0	-65.67	5.00	-60.67	Average	10	Pass
		5925.0	-54.85	5.00	-49.85	Peak	-27.0	Pass
		5925.0	-65.73	5.00	-60.73	Average	-27.0	Pass
11AC40	151	5650.0	-53.96	5.00	-48.96	Peak	-27.0	Pass
		5650.0	-65.06	5.00	-60.06	Average	-27.0	Pass
		5700.0	-53.47	5.00	-48.47	Peak	10	Pass
		5700.0	-65.09	5.00	-60.09	Average	10	Pass
		5720.0	-54.04	5.00	-49.04	Peak	15.6	Pass
		5720.0	-65.10	5.00	-60.10	Average	15.6	Pass
		5725.0	-53.89	5.00	-48.89	Peak	27.0	Pass
		5725.0	-65.10	5.00	-60.10	Average	27.0	Pass
	159	5850.0	-54.43	5.00	-49.43	Peak	27.0	Pass
		5850.0	-64.99	5.00	-59.99	Average	27.0	Pass
		5855.0	-54.11	5.00	-49.11	Peak	15.6	Pass
		5855.0	-65.06	5.00	-60.06	Average	15.6	Pass
		5875.0	-53.27	5.00	-48.27	Peak	10	Pass
		5875.0	-65.11	5.00	-60.11	Average	10	Pass
		5925.0	-53.89	5.00	-48.89	Peak	-27.0	Pass
		5925.0	-65.13	5.00	-60.13	Average	-27.0	Pass
11AC80	155	5725.0	-53.58	5.00	-48.58	Peak	27.0	Pass
		5720.0	-52.37	5.00	-47.37	Peak	15.6	Pass
		5700.0	-53.67	5.00	-48.67	Peak	10	Pass
		5650.0	-53.78	5.00	-48.78	Peak	-27.0	Pass
		5725.0	-63.79	5.00	-58.79	Average	27.0	Pass
		5720.0	-64.10	5.00	-59.10	Average	15.6	Pass
		5700.0	-64.63	5.00	-59.63	Average	10	Pass
		5650.0	-64.90	5.00	-59.90	Average	-27.0	Pass
		5850.0	-53.58	5.00	-48.58	Peak	27.0	Pass
		5855.0	-52.37	5.00	-47.37	Peak	15.6	Pass
		5875.0	-53.67	5.00	-48.67	Peak	10	Pass
		5925.0	-53.78	5.00	-48.78	Peak	-27.0	Pass
		5850.0	-63.79	5.00	-58.79	Average	27.0	Pass
		5855.0	-64.10	5.00	-59.10	Average	15.6	Pass
		5875.0	-64.63	5.00	-59.63	Average	10	Pass
		5925.0	-64.90	5.00	-59.90	Average	-27.0	Pass

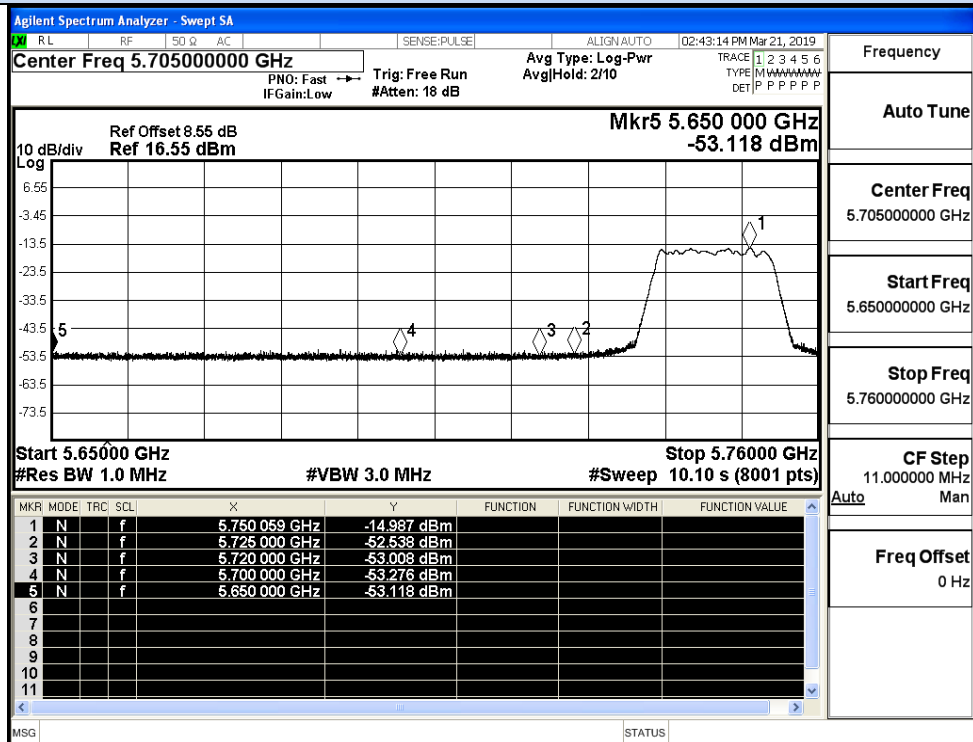
Combined Ant_3 and Ant_4

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)			Directional Gain [dBi]	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
			Ant_3	Ant_4	Sum					
11N20	149	5650.0	-54.33	-52.55	-50.34	8.01	-42.33	Peak	-27.0	Pass
		5650.0	-65.63	-65.56	-62.58	8.01	-54.57	Average	-27.0	Pass
		5700.0	-54.83	-54.06	-51.42	8.01	-43.41	Peak	10	Pass
		5700.0	-65.59	-65.51	-62.54	8.01	-54.53	Average	10	Pass
		5720.0	-54.01	-54.00	-50.99	8.01	-42.98	Peak	15.6	Pass
		5720.0	-65.76	-65.62	-62.68	8.01	-54.67	Average	15.6	Pass
		5725.0	-54.34	-52.36	-50.23	8.01	-42.22	Peak	27.0	Pass
		5725.0	-65.48	-65.28	-62.37	8.01	-54.36	Average	27.0	Pass
	165	5850.0	-53.49	-54.41	-50.92	8.01	-42.91	Peak	27.0	Pass
		5850.0	-65.56	-65.64	-62.59	8.01	-54.58	Average	27.0	Pass
		5855.0	-53.94	-53.41	-50.66	8.01	-42.65	Peak	15.6	Pass
		5855.0	-65.65	-65.74	-62.68	8.01	-54.67	Average	15.6	Pass
		5875.0	-53.68	-54.85	-51.22	8.01	-43.21	Peak	10	Pass
		5875.0	-65.70	-65.79	-62.73	8.01	-54.72	Average	10	Pass
		5925.0	-53.55	-54.76	-51.10	8.01	-43.09	Peak	-27.0	Pass
		5925.0	-65.80	-65.85	-62.81	8.01	-54.80	Average	-27.0	Pass

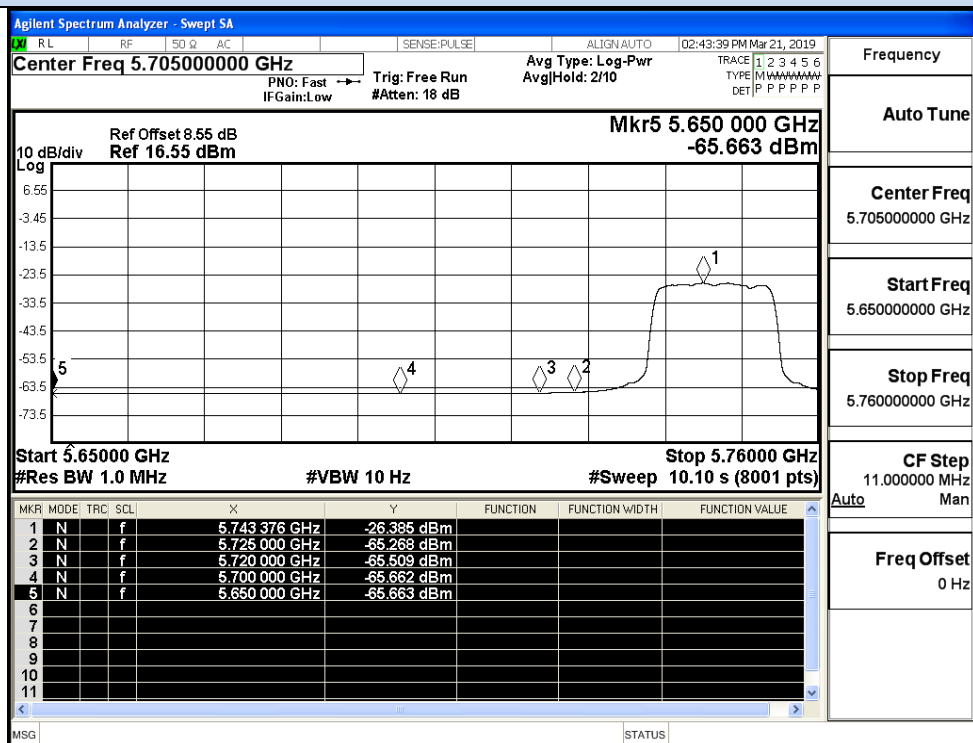
Combined Ant_3 and Ant_4

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)			Directional Gain [dBi]	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
			Ant_3	Ant_4	Sum					
11N40	151	5650.0	-53.35	-53.89	-50.60	8.01	-42.59	Peak	-27.0	Pass
		5650.0	-65.43	-65.33	-62.37	8.01	-54.36	Average	-27.0	Pass
		5700.0	-54.03	-52.21	-50.02	8.01	-42.00	Peak	10	Pass
		5700.0	-65.47	-65.31	-62.38	8.01	-54.37	Average	10	Pass
		5720.0	-53.30	-54.14	-50.69	8.01	-42.68	Peak	15.6	Pass
		5720.0	-65.15	-64.96	-62.04	8.01	-54.03	Average	15.6	Pass
		5725.0	-52.58	-52.01	-49.28	8.01	-41.27	Peak	27.0	Pass
		5725.0	-64.72	-64.52	-61.61	8.01	-53.60	Average	27.0	Pass
	159	5850.0	-54.22	-54.15	-51.17	8.01	-43.16	Peak	27.0	Pass
		5850.0	-65.27	-65.24	-62.24	8.01	-54.23	Average	27.0	Pass
		5855.0	-53.63	-53.44	-50.52	8.01	-42.51	Peak	15.6	Pass
		5855.0	-65.31	-65.25	-62.27	8.01	-54.26	Average	15.6	Pass
		5875.0	-52.28	-52.87	-49.55	8.01	-41.54	Peak	10	Pass
		5875.0	-65.36	-65.31	-62.32	8.01	-54.31	Average	10	Pass
		5925.0	-54.40	-54.40	-51.39	8.01	-43.38	Peak	-27.0	Pass
		5925.0	-65.47	-65.36	-62.40	8.01	-54.39	Average	-27.0	Pass
11AC20	149	5650.0	-53.76	-53.56	-50.65	8.01	-42.64	Peak	-27.0	Pass
		5650.0	-65.55	-65.49	-62.51	8.01	-54.50	Average	-27.0	Pass
		5700.0	-53.50	-53.29	-50.38	8.01	-42.37	Peak	10	Pass
		5700.0	-65.57	-65.42	-62.48	8.01	-54.47	Average	10	Pass
		5720.0	-53.67	-52.90	-50.26	8.01	-42.25	Peak	15.6	Pass
		5720.0	-65.68	-65.50	-62.58	8.01	-54.57	Average	15.6	Pass
		5725.0	-52.65	-53.26	-49.93	8.01	-41.92	Peak	27.0	Pass
		5725.0	-65.34	-65.16	-62.24	8.01	-54.23	Average	27.0	Pass
	165	5850.0	-53.84	-53.25	-50.52	8.01	-42.51	Peak	27.0	Pass
		5850.0	-65.59	-65.53	-62.55	8.01	-54.54	Average	27.0	Pass
		5855.0	-53.82	-53.97	-50.88	8.01	-42.87	Peak	15.6	Pass
		5855.0	-65.64	-65.54	-62.58	8.01	-54.57	Average	15.6	Pass
		5875.0	-54.12	-55.15	-51.59	8.01	-43.58	Peak	10	Pass
		5875.0	-65.76	-65.67	-62.70	8.01	-54.69	Average	10	Pass
		5925.0	-54.01	-54.85	-51.40	8.01	-43.39	Peak	-27.0	Pass
		5925.0	-65.82	-65.73	-62.76	8.01	-54.75	Average	-27.0	Pass
11AC40	151	5650.0	-53.41	-53.96	-50.67	8.01	-42.66	Peak	-27.0	Pass
		5650.0	-65.39	-65.06	-62.21	8.01	-54.20	Average	-27.0	Pass
		5700.0	-54.49	-53.47	-50.94	8.01	-42.93	Peak	10	Pass
		5700.0	-65.45	-65.09	-62.26	8.01	-54.25	Average	10	Pass
		5720.0	-53.55	-54.04	-50.78	8.01	-42.77	Peak	15.6	Pass
		5720.0	-65.06	-65.10	-62.07	8.01	-54.06	Average	15.6	Pass
		5725.0	-52.64	-53.89	-50.21	8.01	-42.20	Peak	27.0	Pass
		5725.0	-64.69	-65.10	-61.88	8.01	-53.87	Average	27.0	Pass
	159	5850.0	-54.81	-54.43	-51.61	8.01	-43.60	Peak	27.0	Pass
		5850.0	-65.32	-64.99	-62.14	8.01	-54.13	Average	27.0	Pass
		5855.0	-53.59	-54.11	-50.83	8.01	-42.82	Peak	15.6	Pass
		5855.0	-65.34	-65.06	-62.19	8.01	-54.18	Average	15.6	Pass
		5875.0	-53.89	-53.27	-50.56	8.01	-42.55	Peak	10	Pass
		5875.0	-65.41	-65.11	-62.25	8.01	-54.24	Average	10	Pass
		5925.0	-52.65	-53.89	-50.22	8.01	-42.21	Peak	-27.0	Pass
		5925.0	-65.47	-65.13	-62.29	8.01	-54.28	Average	-27.0	Pass
11AC80	155	5725.0	-53.60	-53.58	-50.58	8.01	-42.57	Peak	27.0	Pass
		5720.0	-53.63	-52.37	-49.94	8.01	-41.93	Peak	15.6	Pass
		5700.0	-53.96	-53.67	-50.80	8.01	-42.79	Peak	10	Pass
		5650.0	-53.37	-53.78	-50.56	8.01	-42.55	Peak	-27.0	Pass
		5725.0	-64.19	-63.79	-60.98	8.01	-52.96	Average	27.0	Pass
		5720.0	-64.44	-64.10	-61.26	8.01	-53.25	Average	15.6	Pass
		5700.0	-64.84	-64.63	-61.72	8.01	-53.71	Average	10	Pass
		5650.0	-65.10	-64.90	-61.99	8.01	-53.98	Average	-27.0	Pass
		5850.0	-53.60	-53.58	-50.58	8.01	-42.57	Peak	27.0	Pass
		5855.0	-53.63	-52.37	-49.94	8.01	-41.93	Peak	15.6	Pass
		5875.0	-53.96	-53.67	-50.80	8.01	-42.79	Peak	10	Pass
		5925.0	-53.37	-53.78	-50.56	8.01	-42.55	Peak	-27.0	Pass
		5850.0	-64.19	-63.79	-60.98	8.01	-52.96	Average	27.0	Pass
		5855.0	-64.44	-64.10	-61.26	8.01	-53.25	Average	15.6	Pass
		5875.0	-64.84	-64.63	-61.72	8.01	-53.71	Average	10	Pass
		5925.0	-65.10	-64.90	-61.99	8.01	-53.98	Average	-27.0	Pass

Undesirable Emissions Measurement_Ant_3

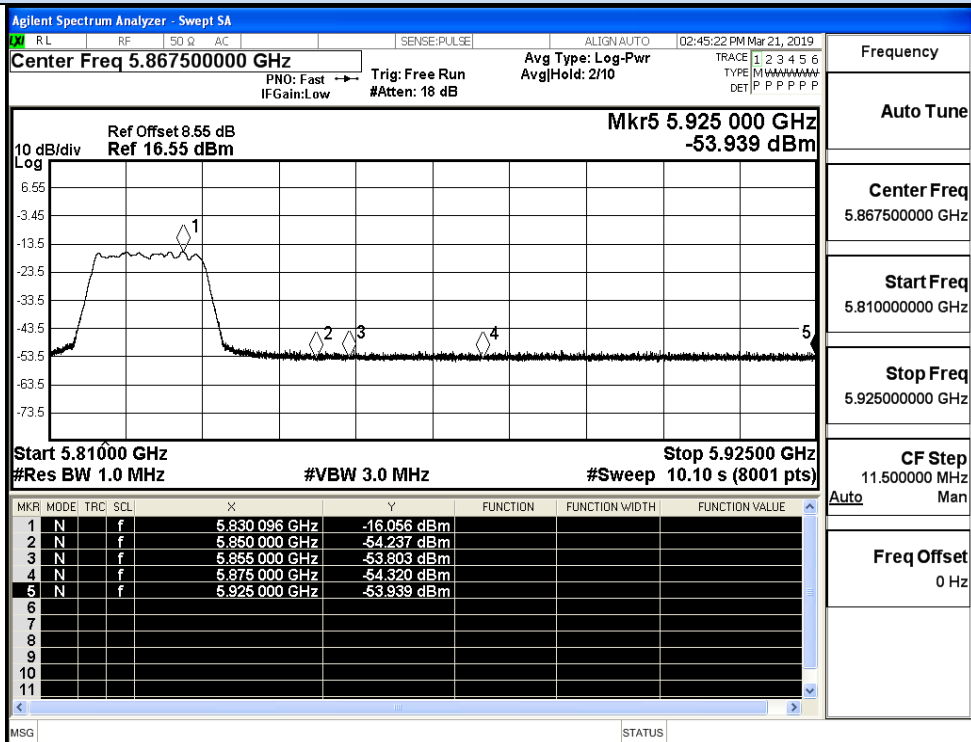


IEEE 802.11a / Channel 149 / 5745MHz / Peak_Ant_3

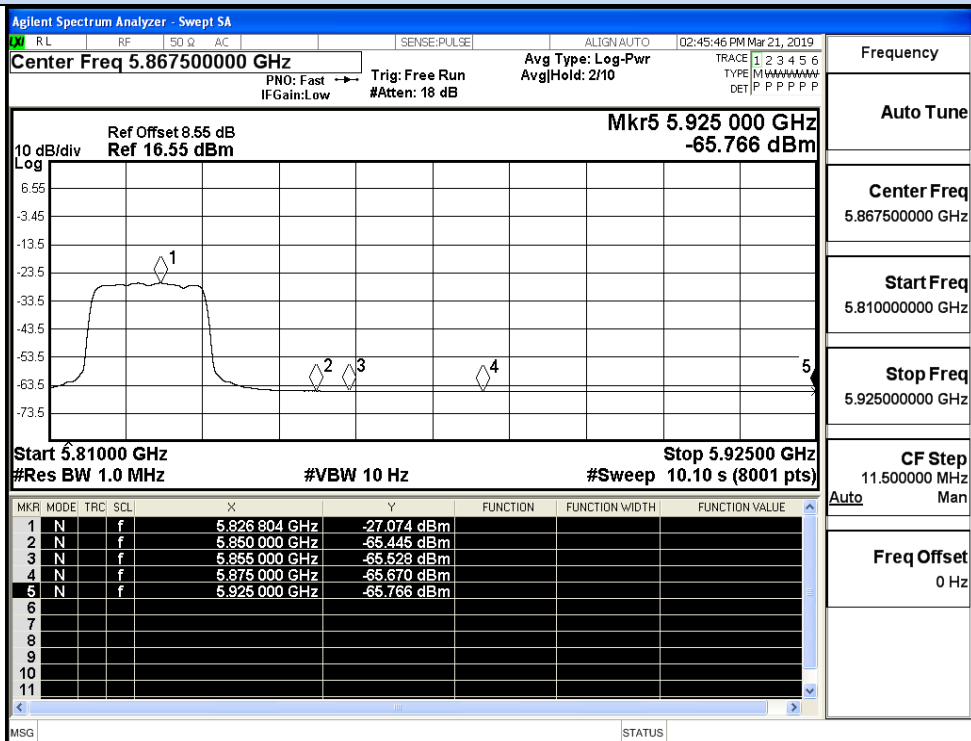


IEEE 802.11a / Channel 148 / 5745MHz / Average_Ant_3

Undesirable Emissions Measurement_Ant_3

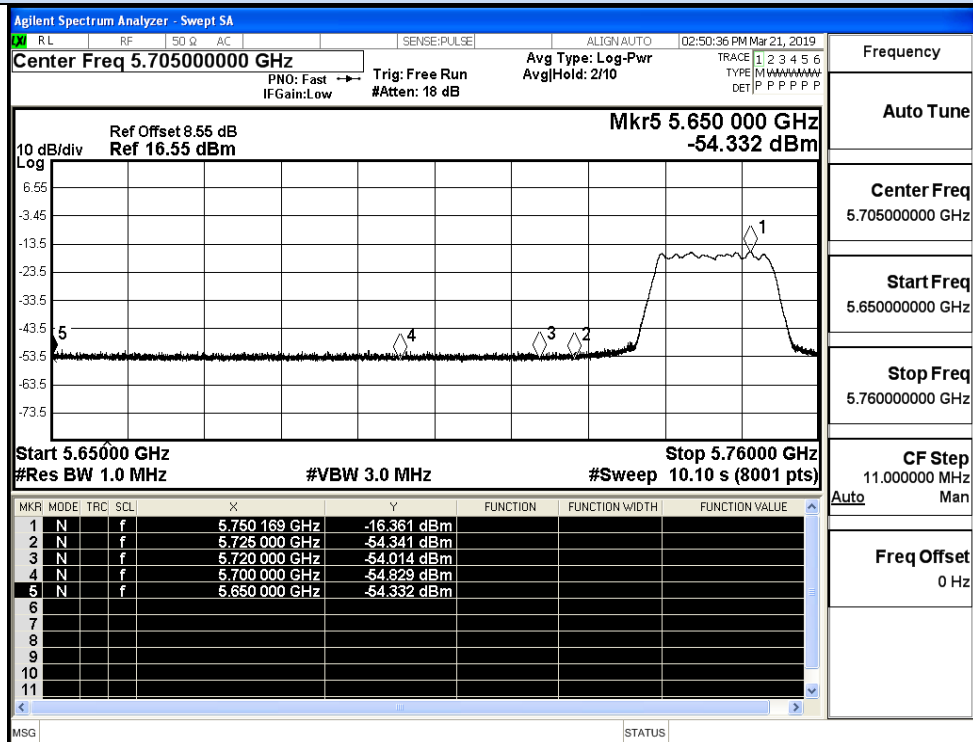


IEEE 802.11a / Channel 165 / 5825MHz / Peak_Ant_3

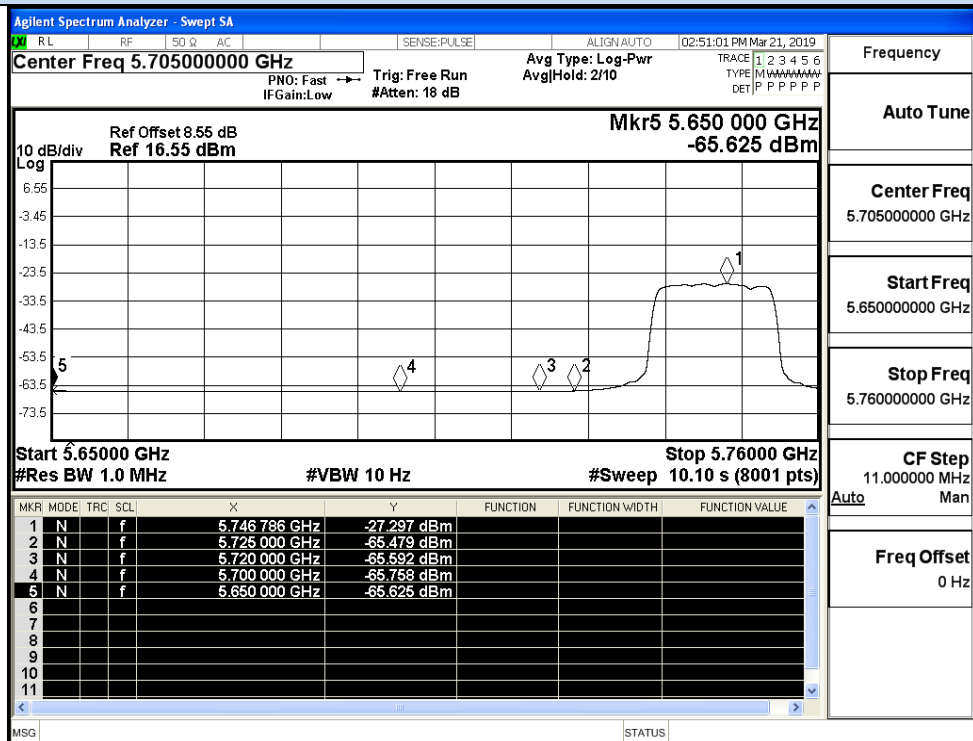


IEEE 802.11a / Channel 165 / 5825MHz / Average_Ant_3

Undesirable Emissions Measurement

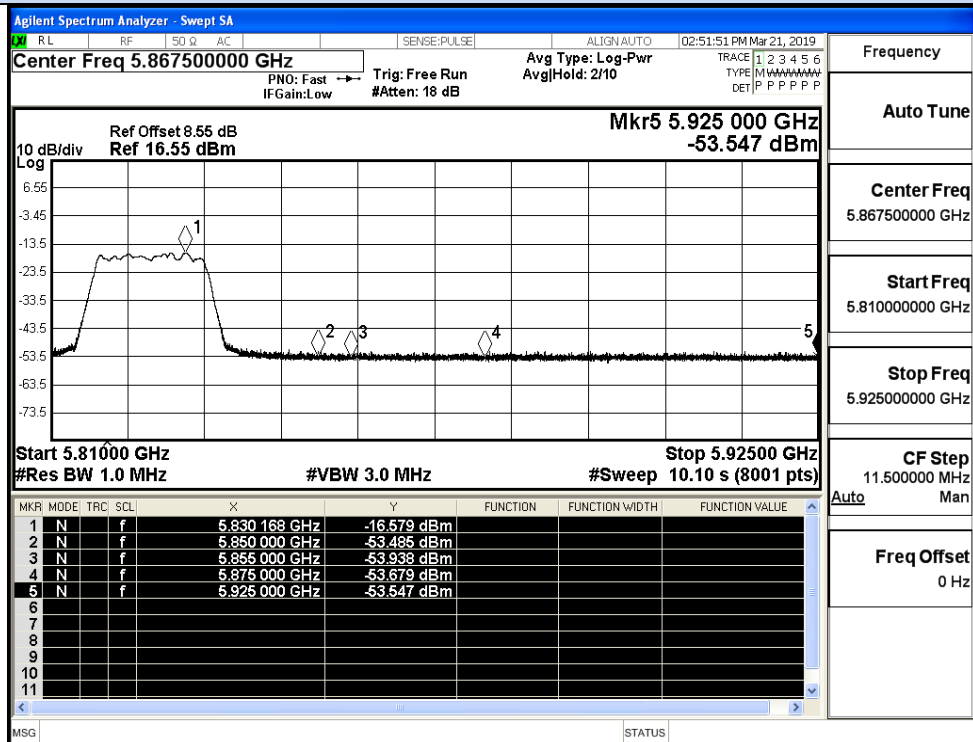


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak_Ant_3

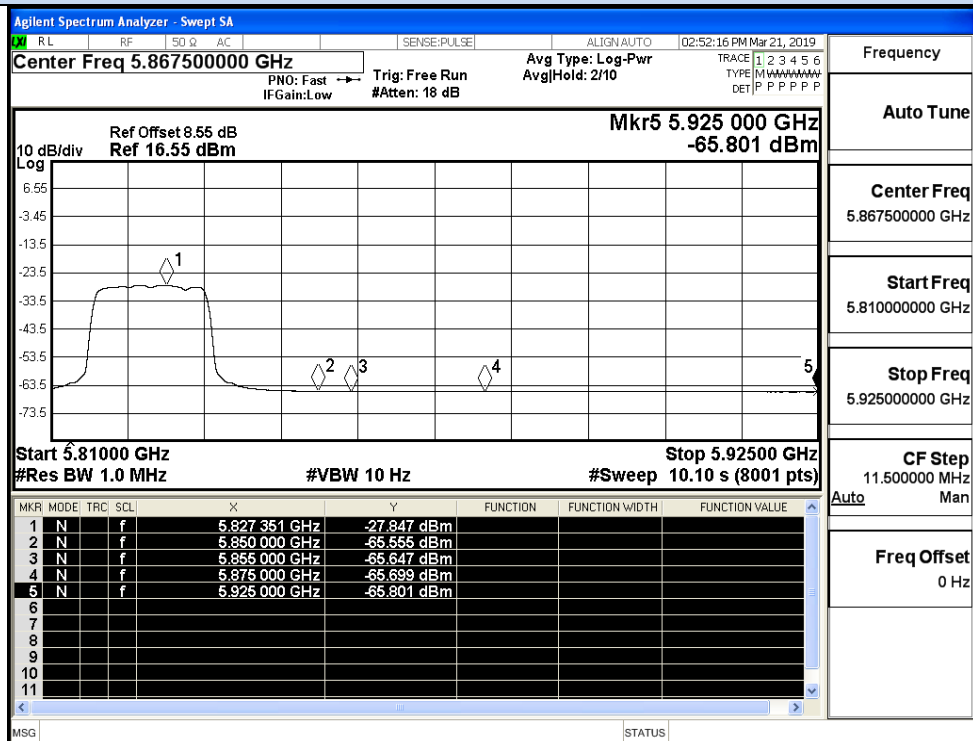


IEEE 802.11n20 / Channel 149 / 5745MHz / Average_Ant_3

Undesirable Emissions Measurement

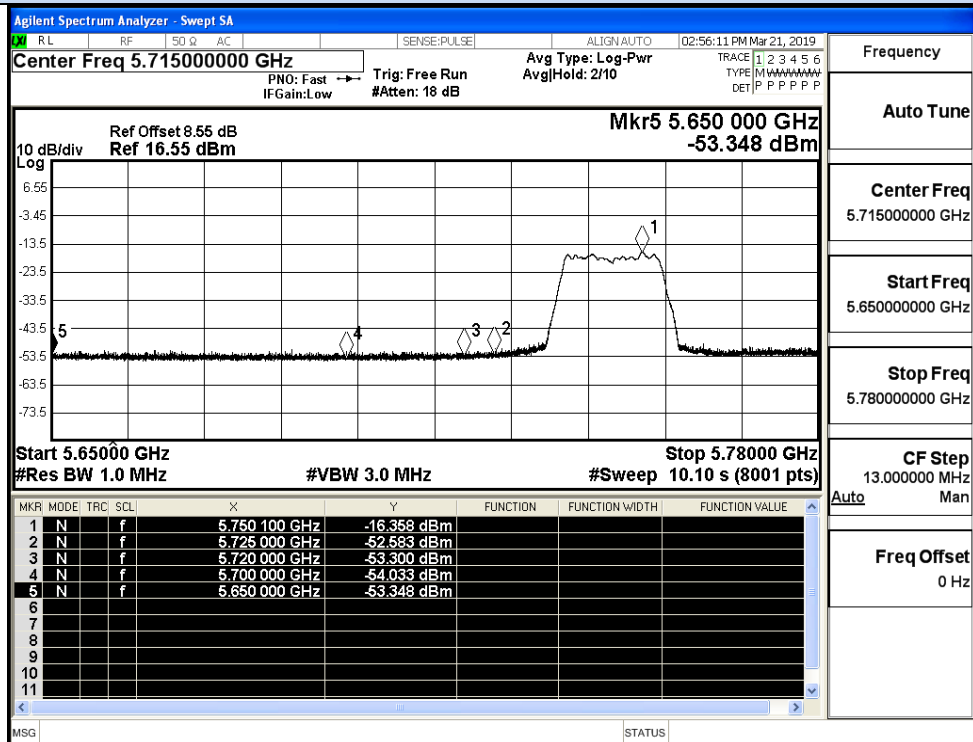


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak_Ant_3

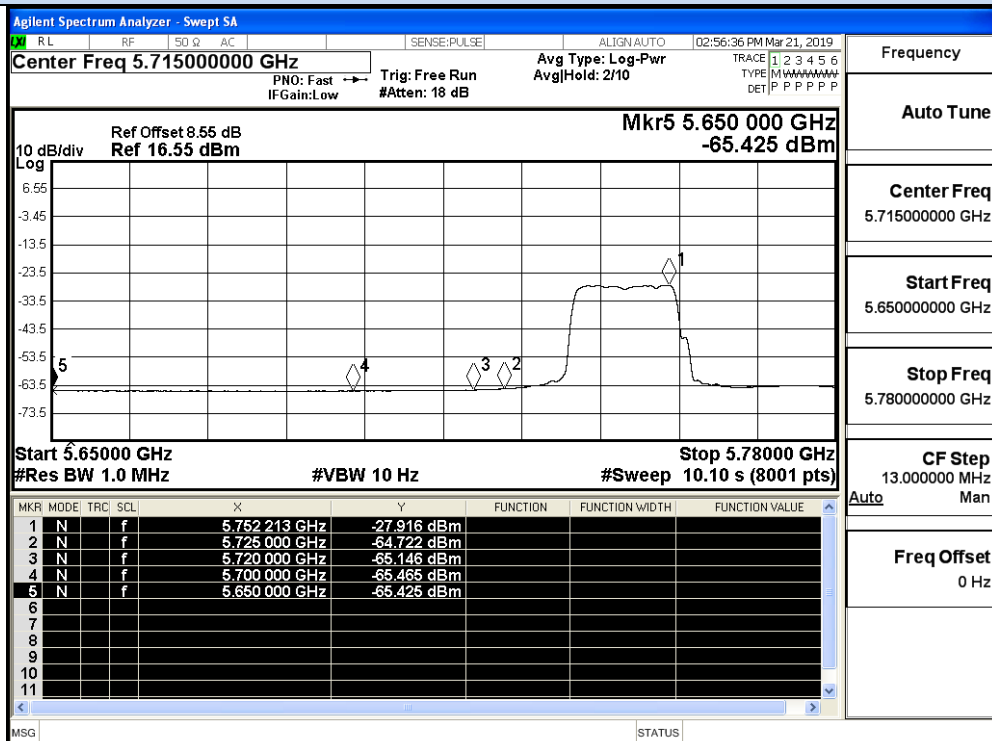


IEEE 802.11n20 / Channel 165 / 5825MHz / Average_Ant_3

Undesirable Emissions Measurement_Ant_3

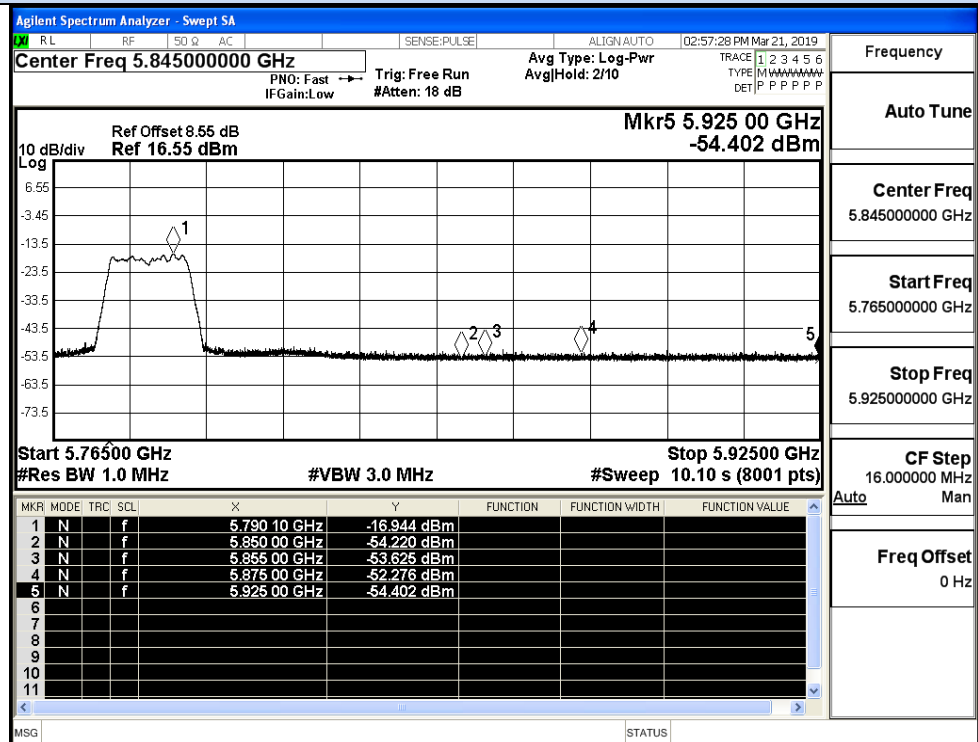


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak_Ant_3

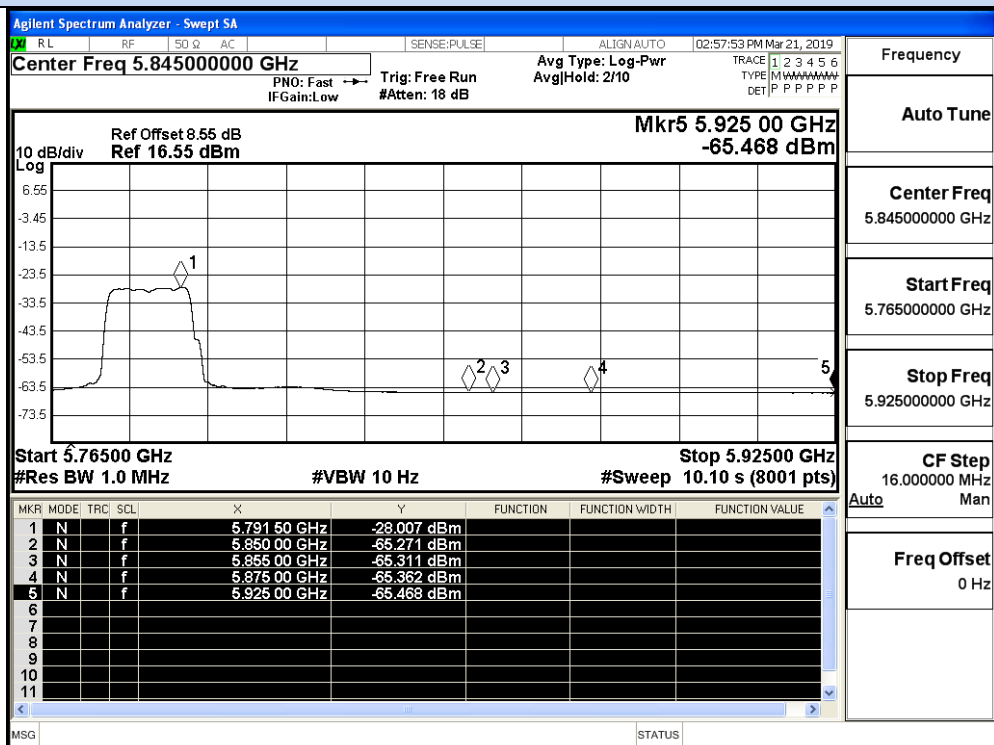


IEEE 802.11n40 / Channel 151 / 5755MHz / Average_Ant_3

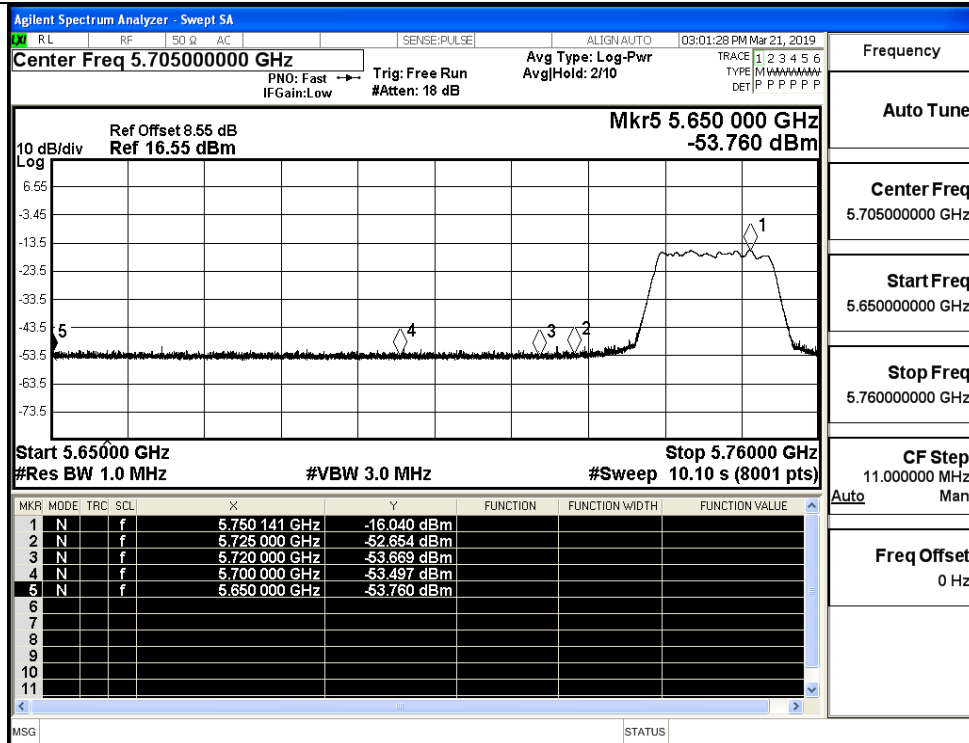
Undesirable Emissions Measurement_Ant_3



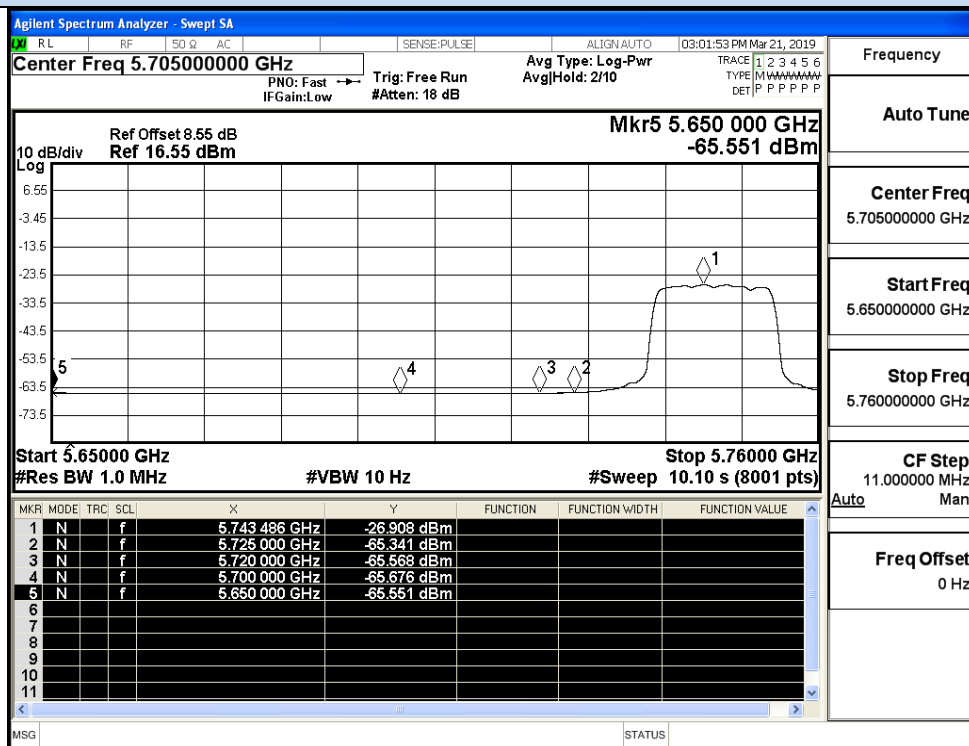
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak_Ant_3



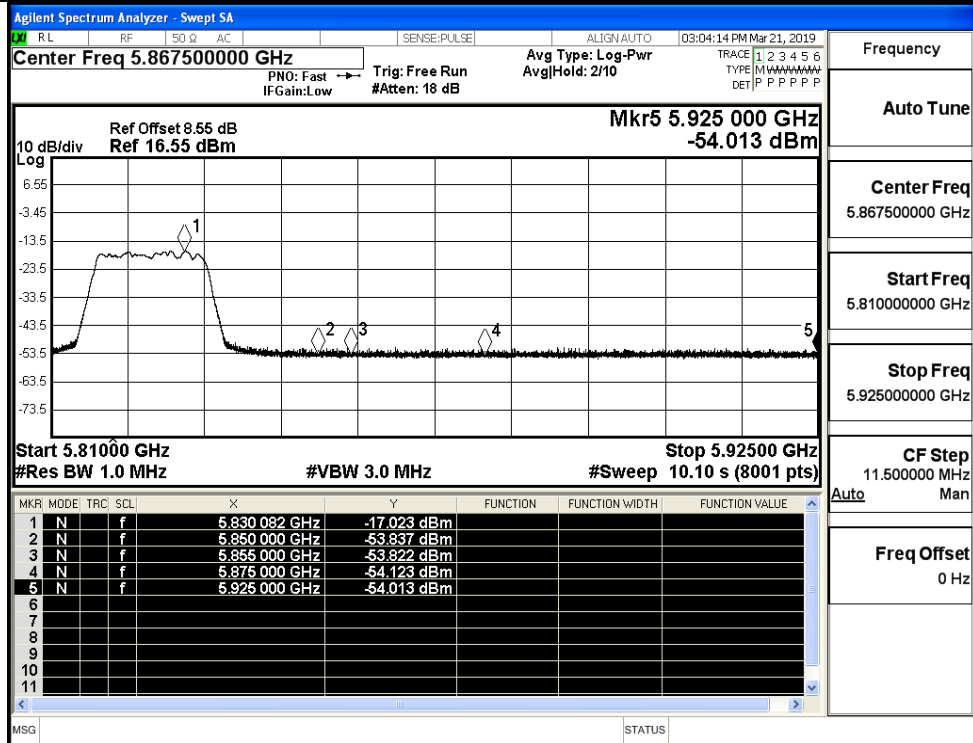
IEEE 802.11n40 / Channel 159 / 5795MHz / Average_Ant_3



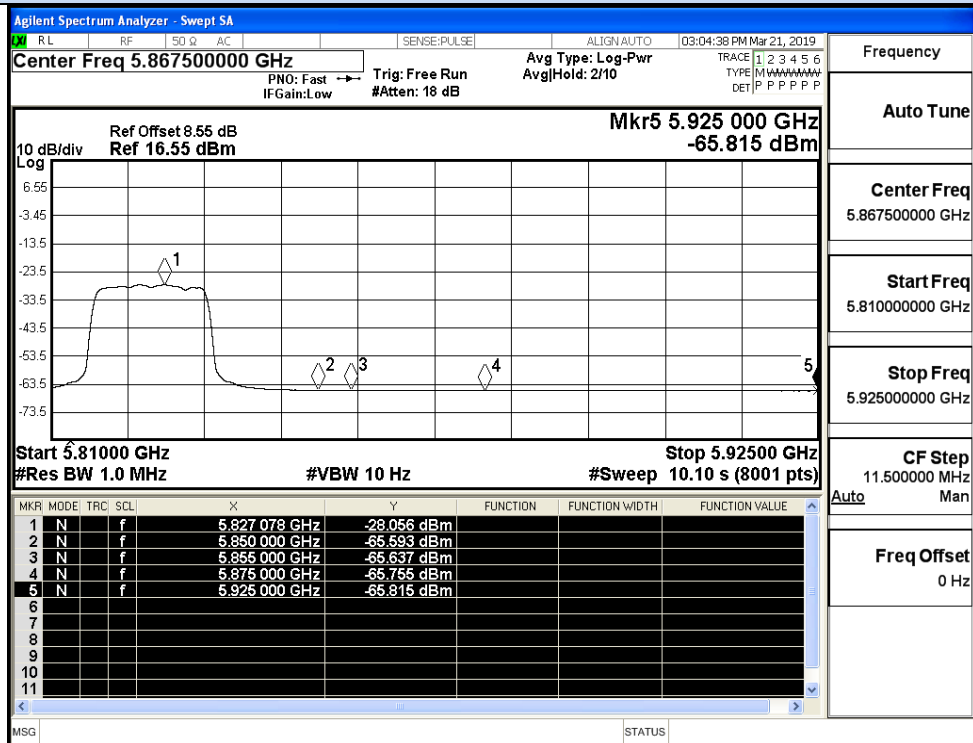
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak_Ant_3



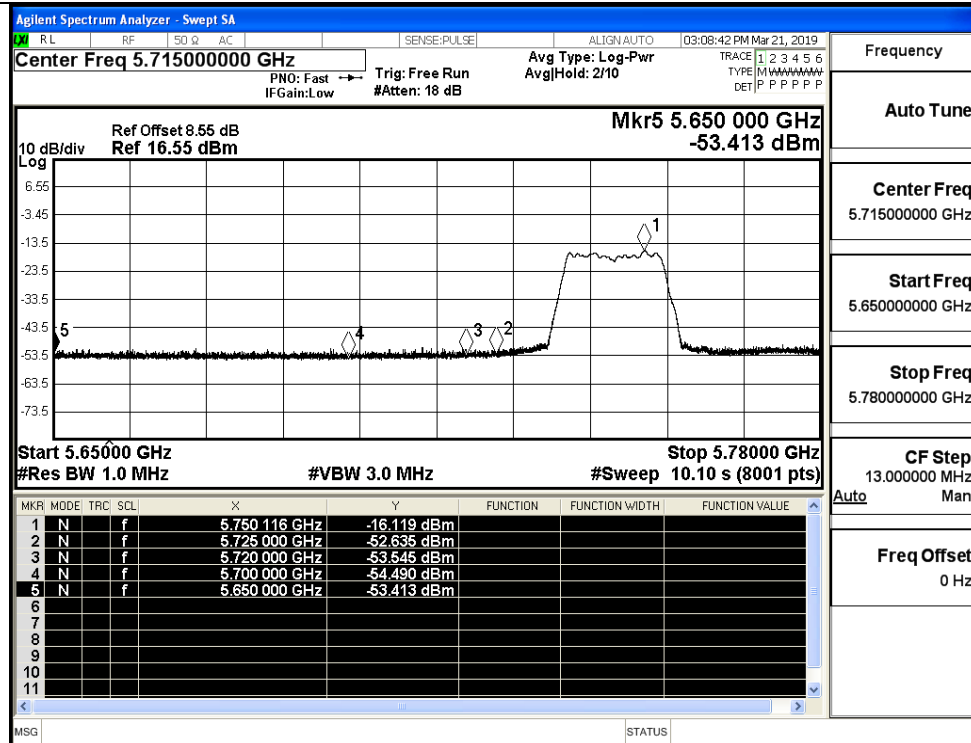
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average_Ant_3



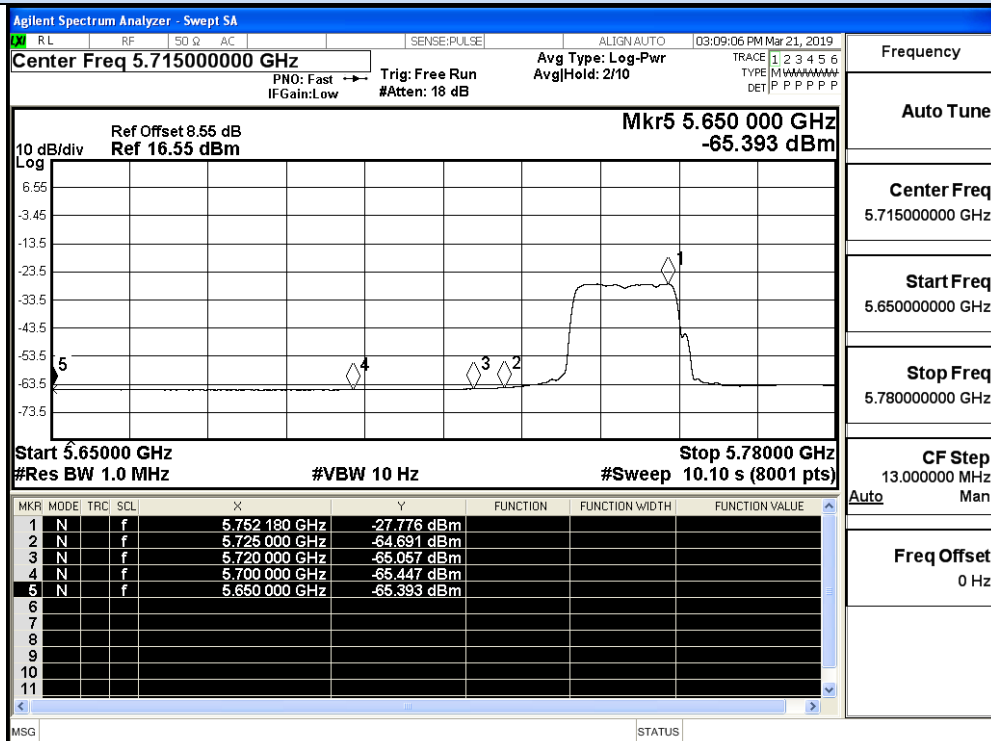
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak_Ant_3



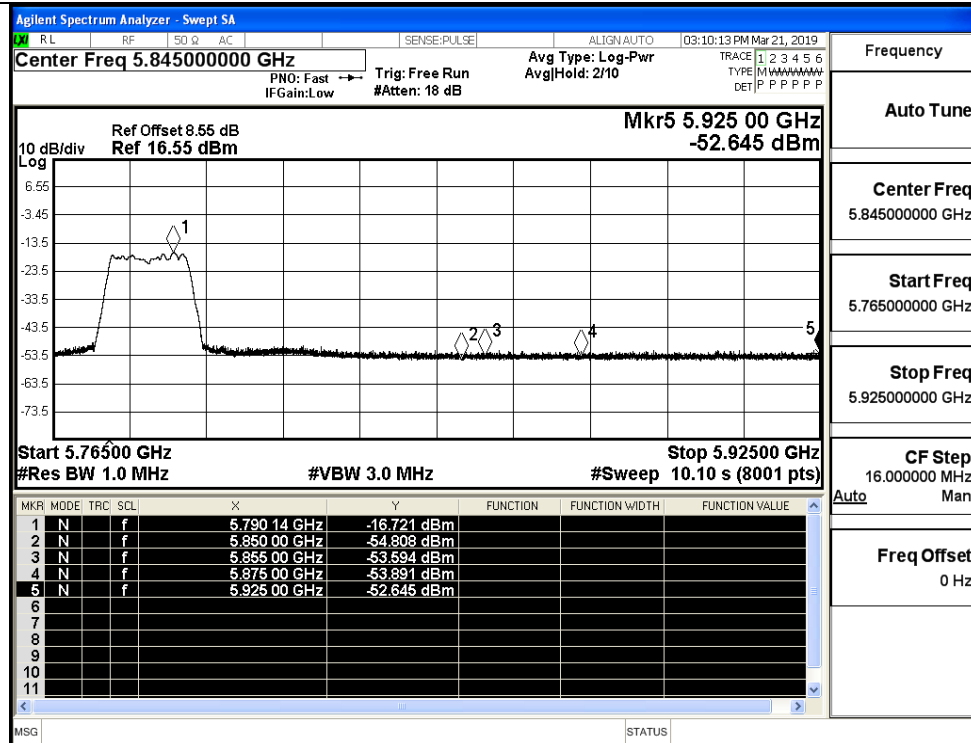
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average_Ant_3



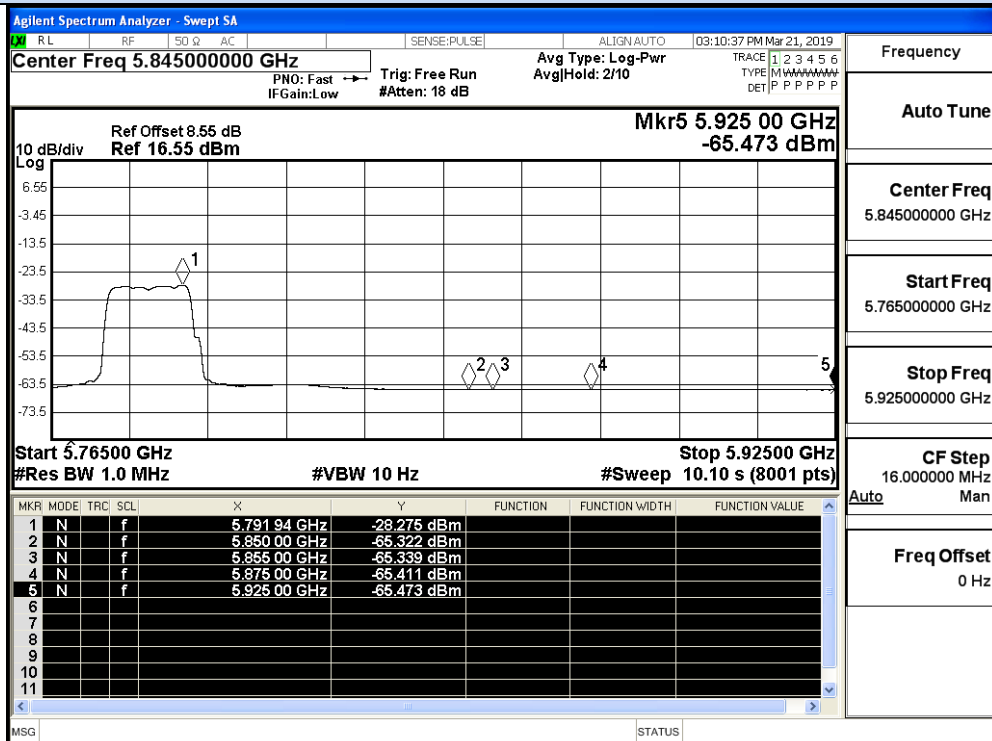
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak_Ant_3



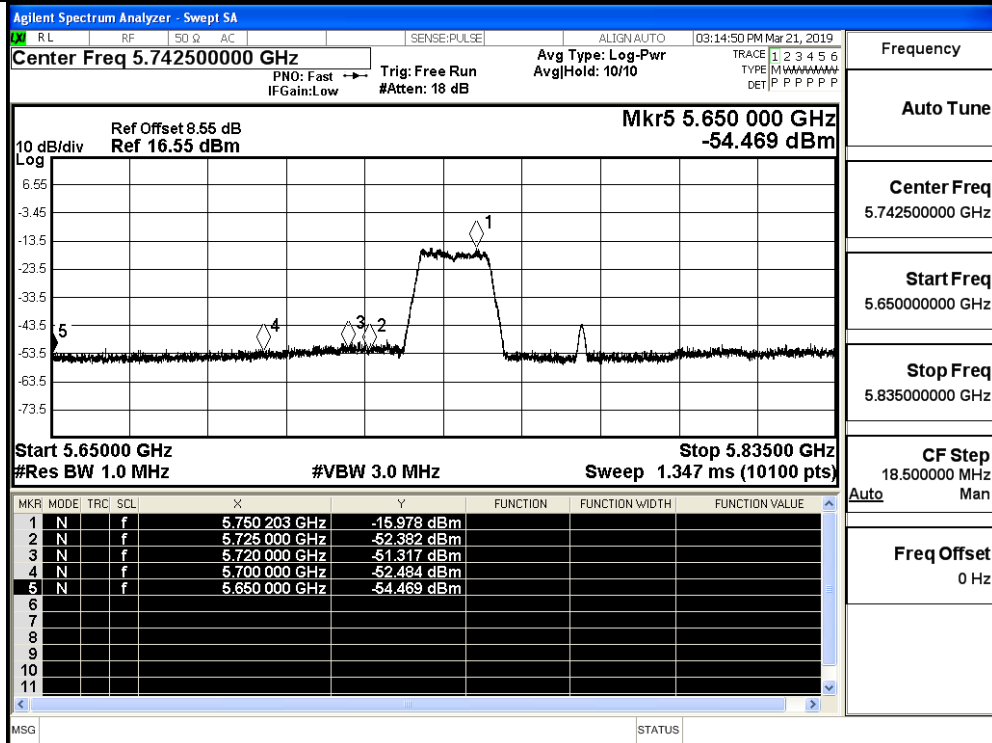
IEEE 802.11ac40 / Channel 151 / 5755MHz / Average_Ant_3



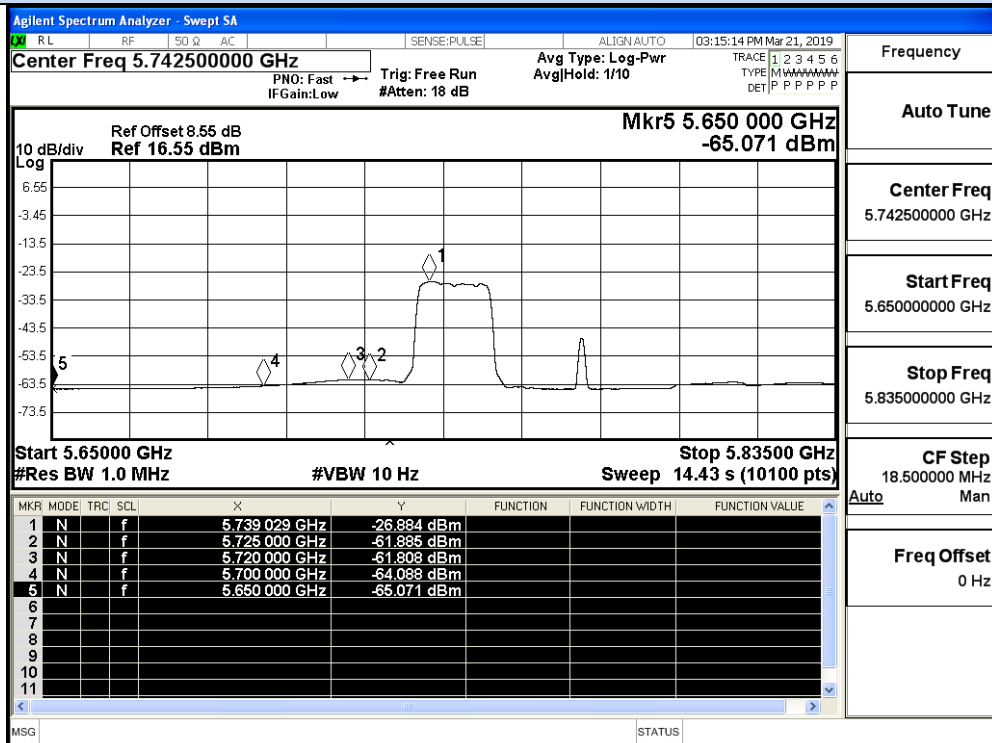
IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak_Ant_3



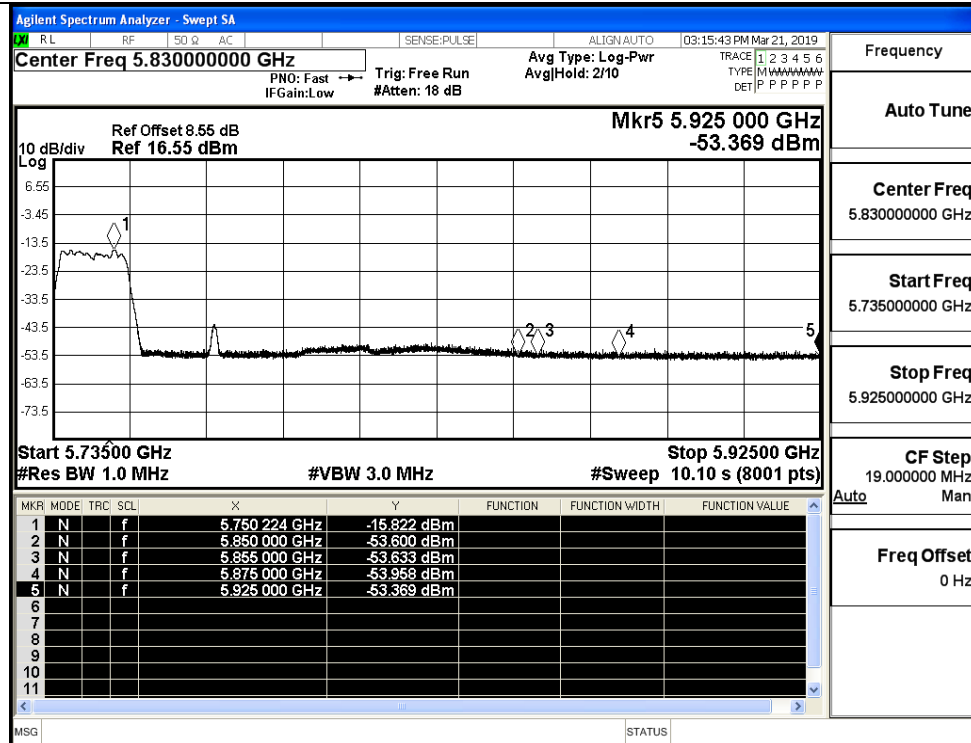
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average_Ant_3



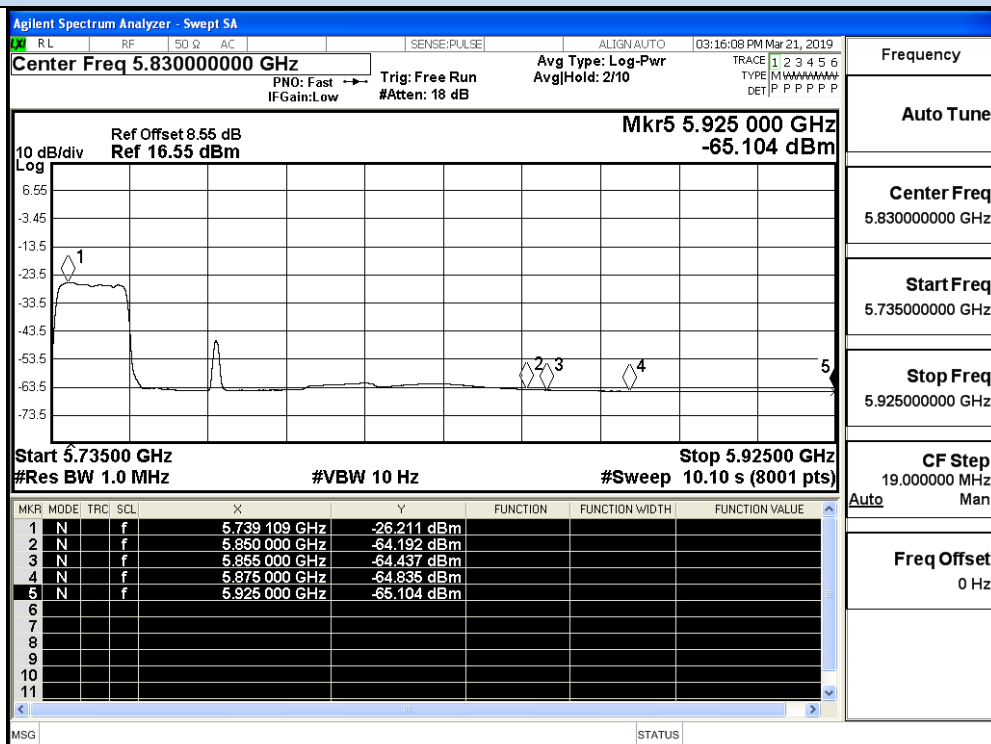
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak_Ant_3



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average_Ant_3

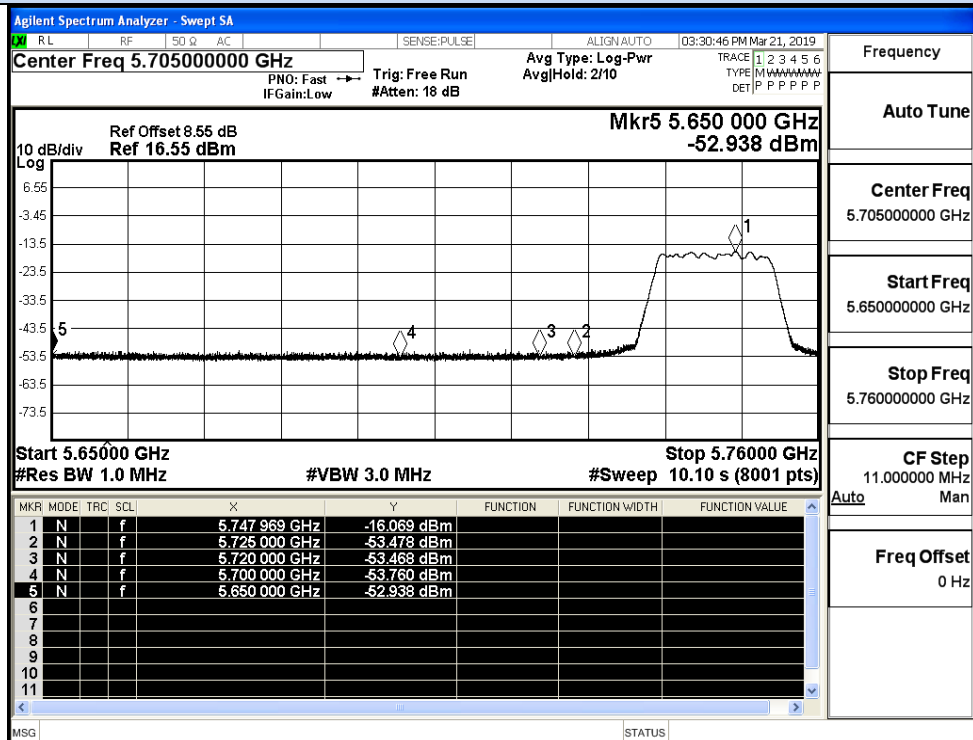


IEEE 802.11ac80 / Channel 155/ 5775MHz / Peak_Ant_3

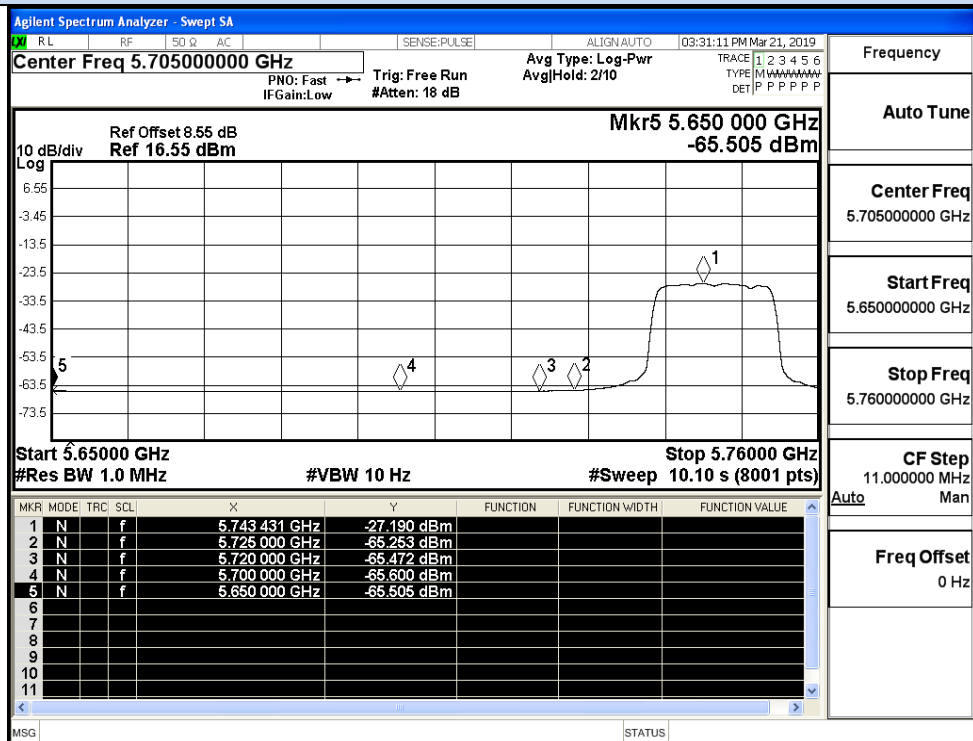


IEEE 802.11ac80 / Channel 155 / 5775MHz / Average_Ant_3

Undesirable Emissions Measurement_Ant_4

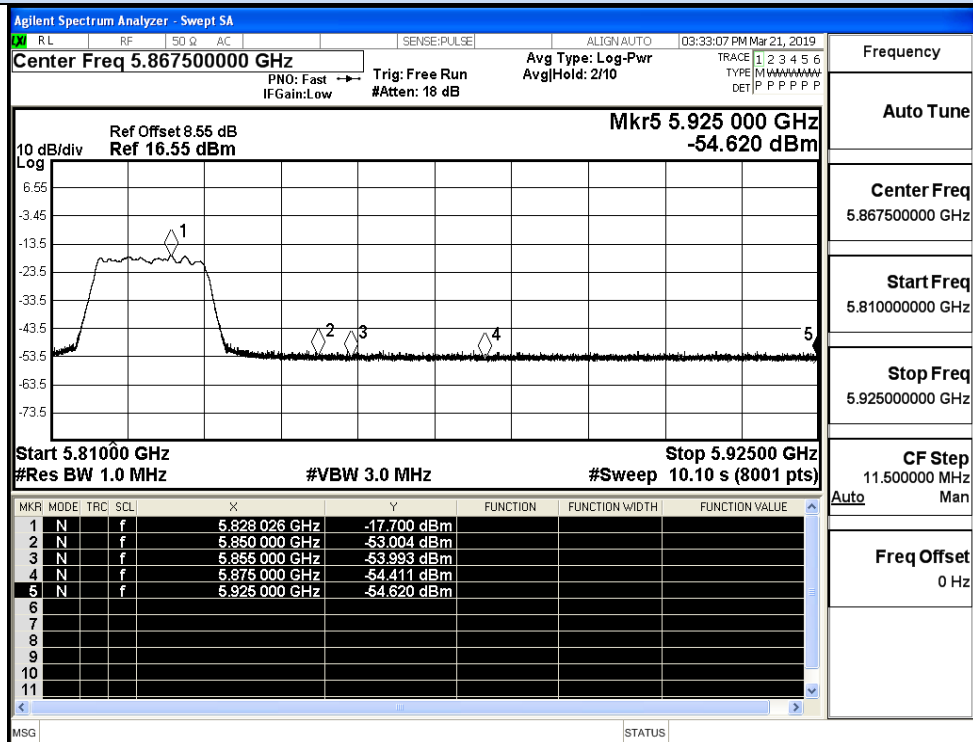


IEEE 802.11a / Channel 149 / 5745MHz / Peak_Ant_4

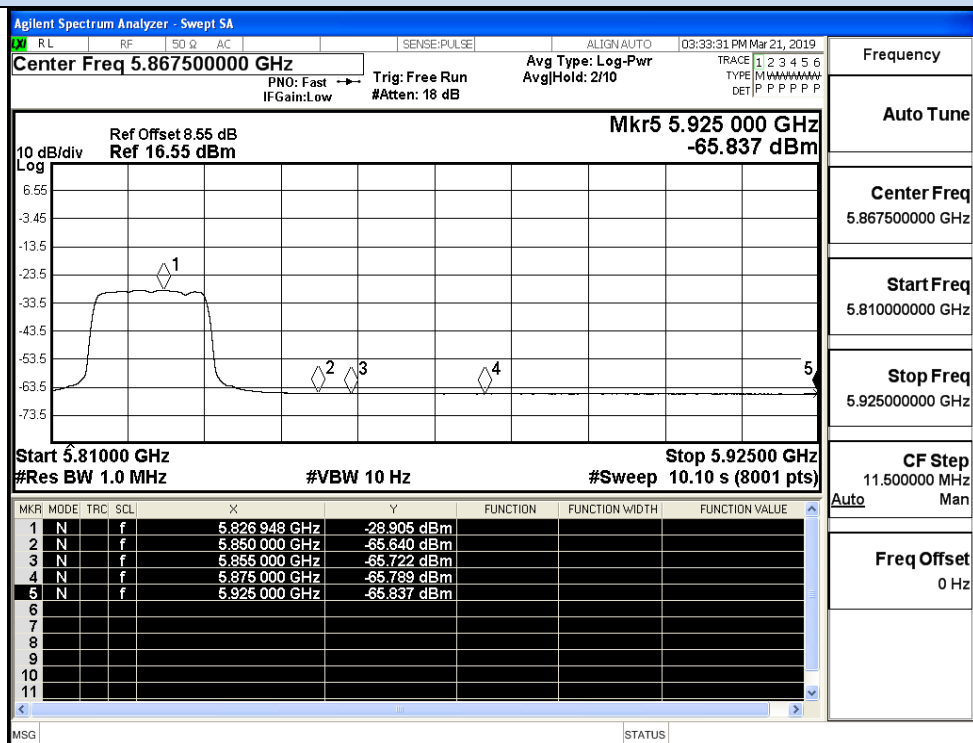


IEEE 802.11a / Channel 148 / 5745MHz / Average_Ant_4

Undesirable Emissions Measurement_Ant_4

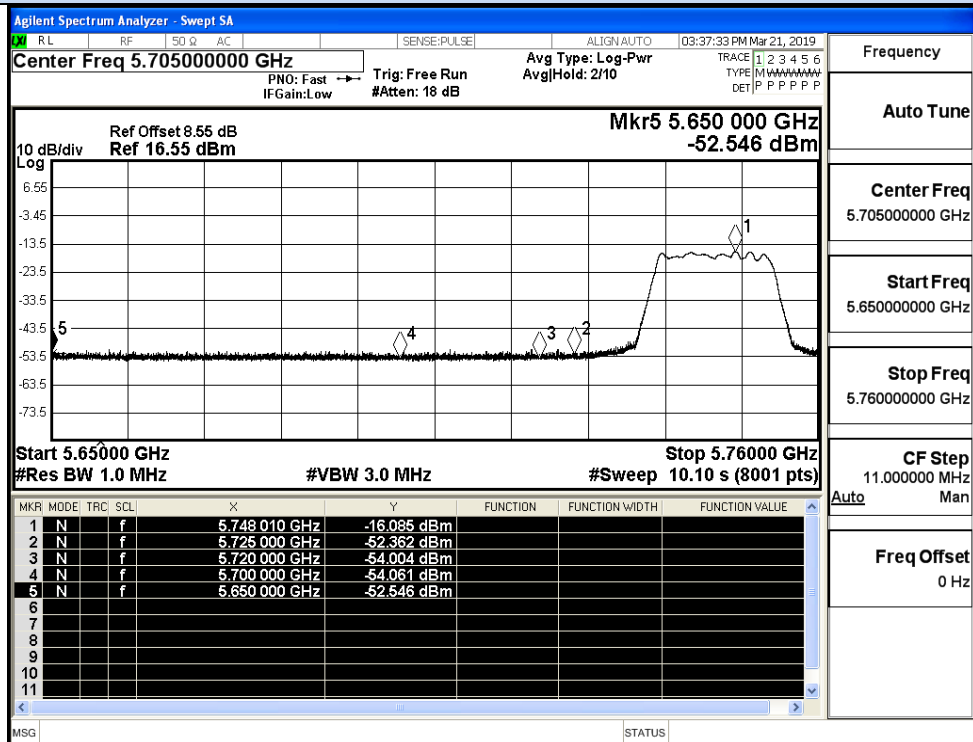


IEEE 802.11a / Channel 165 / 5825MHz / Peak_Ant_4

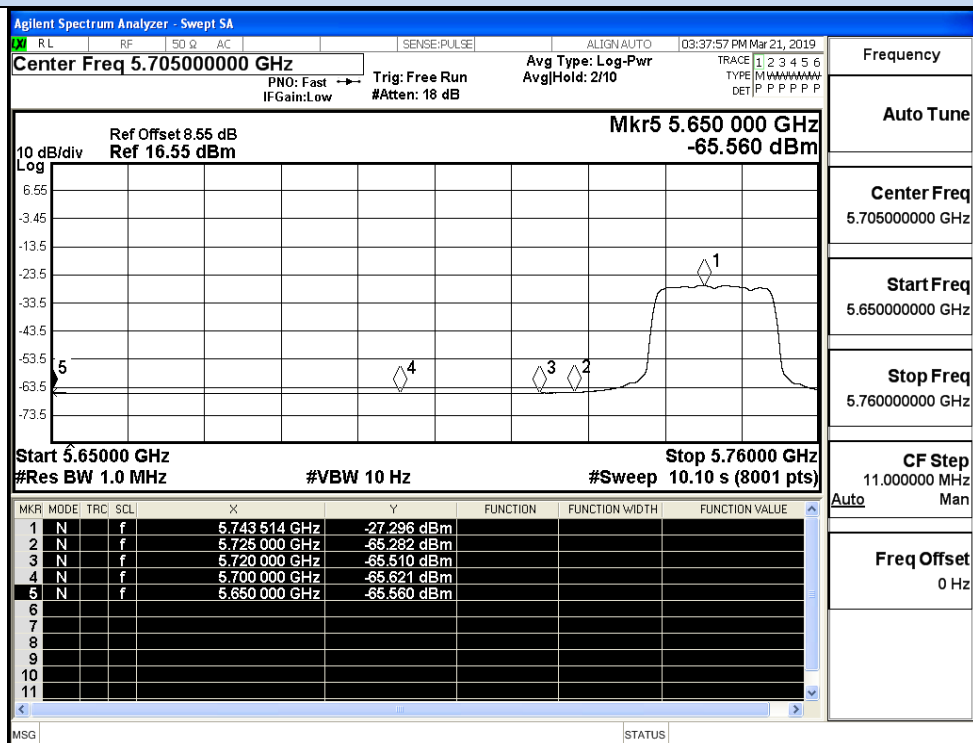


IEEE 802.11a / Channel 165 / 5825MHz / Average_Ant_4

Undesirable Emissions Measurement_Ant_4

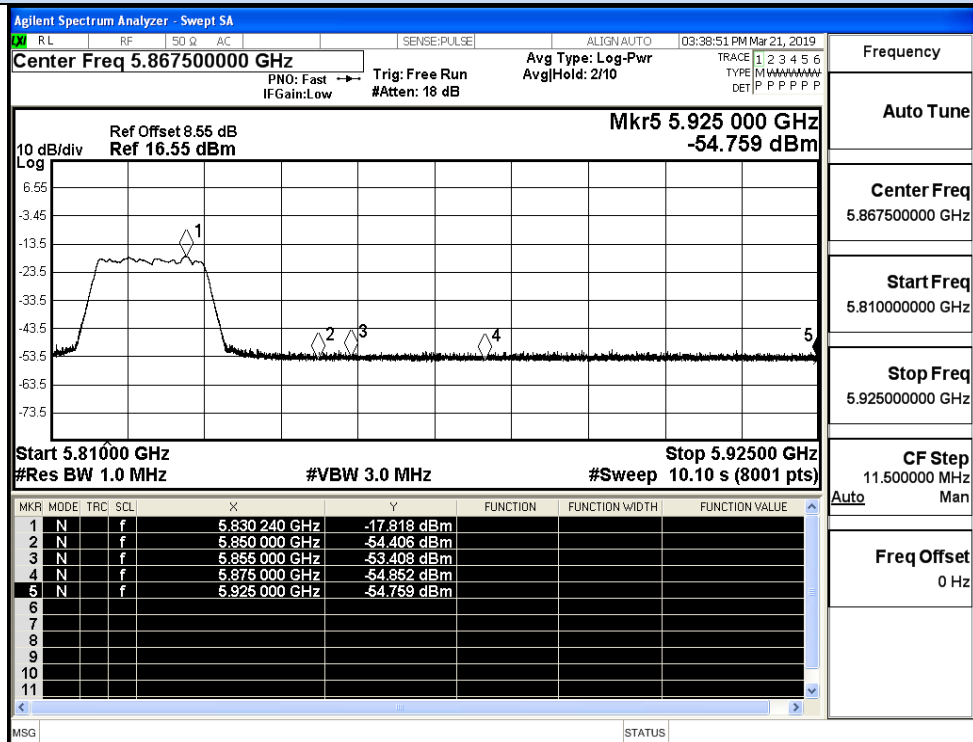


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak_Ant_4

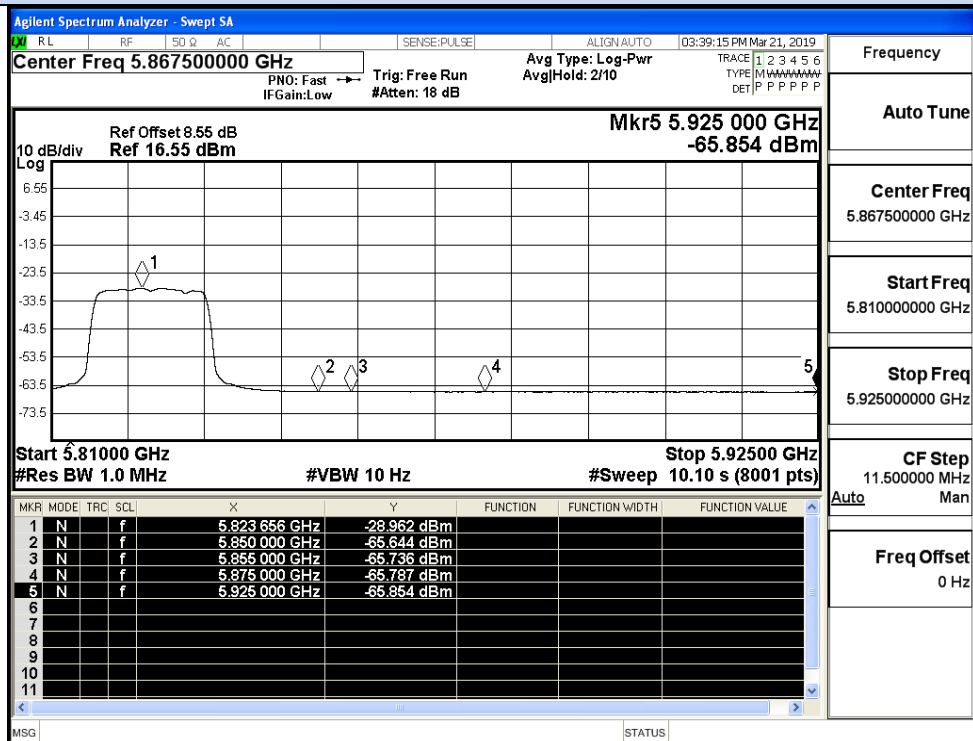


IEEE 802.11n20 / Channel 149 / 5745MHz / Average_Ant_4

Undesirable Emissions Measurement_Ant_4

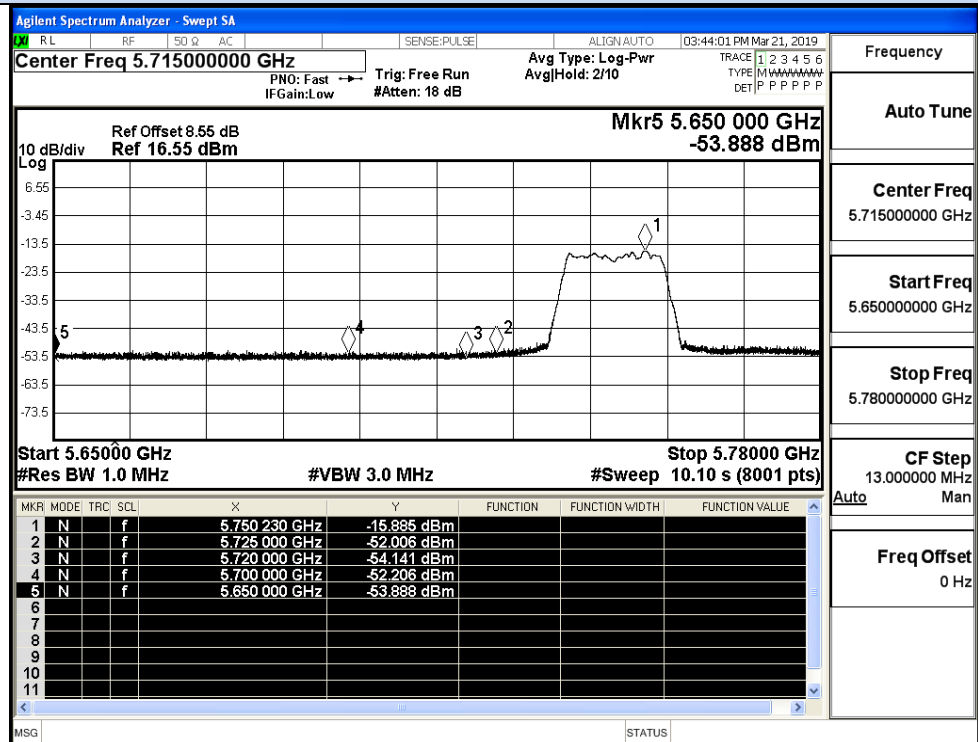


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak_Ant_4

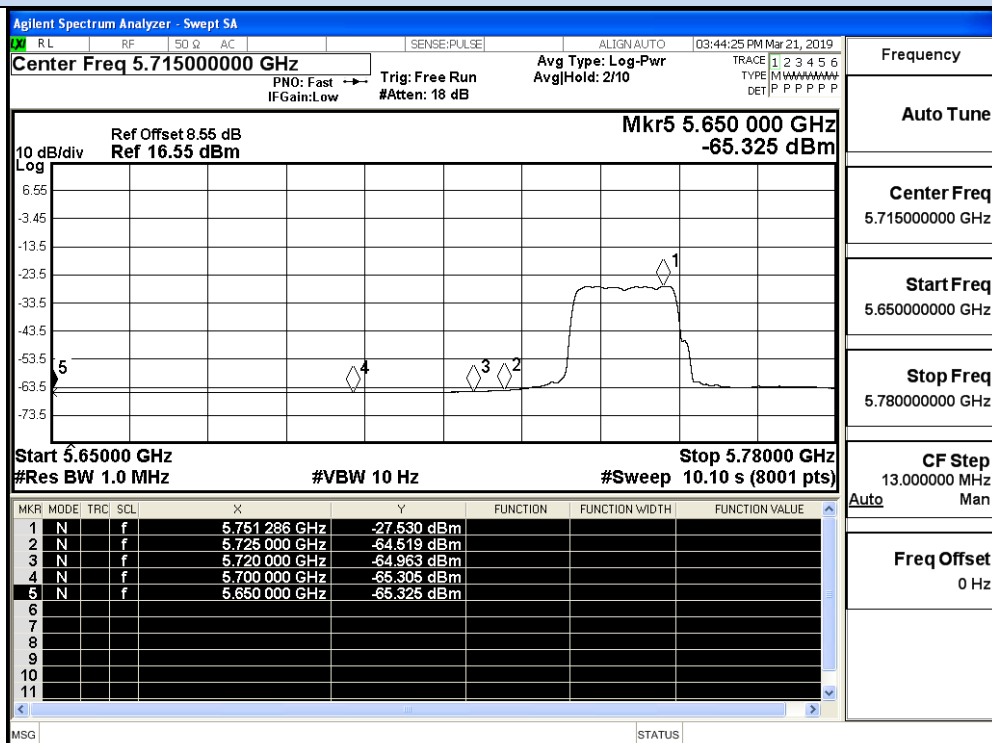


IEEE 802.11n20 / Channel 165 / 5825MHz / Average_Ant_4

Undesirable Emissions Measurement_Ant_4

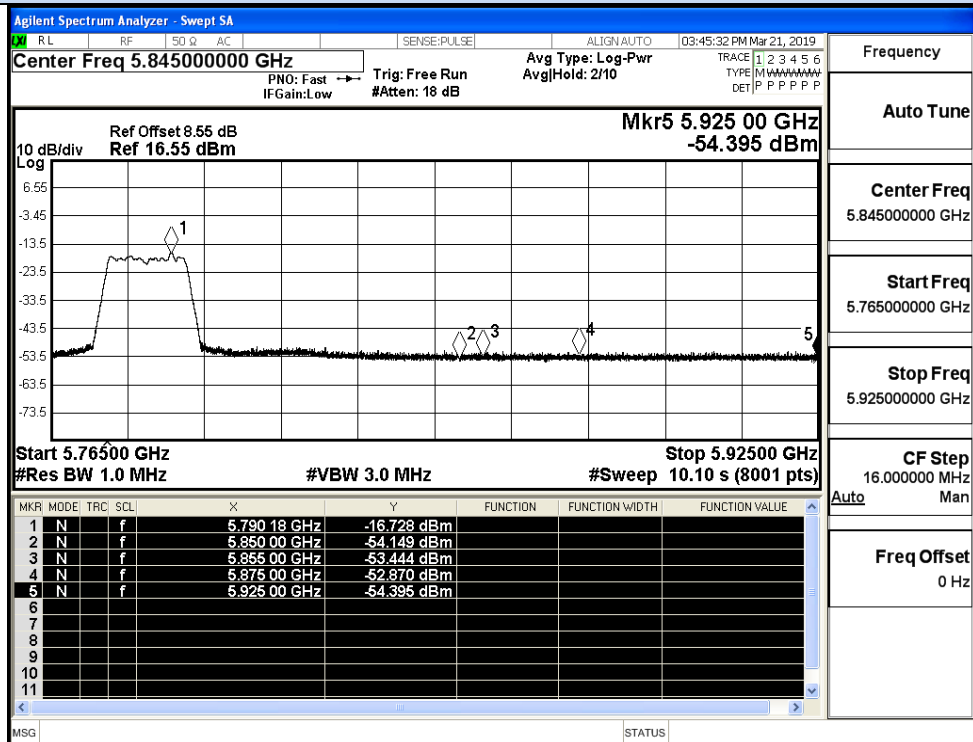


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak_Ant_4

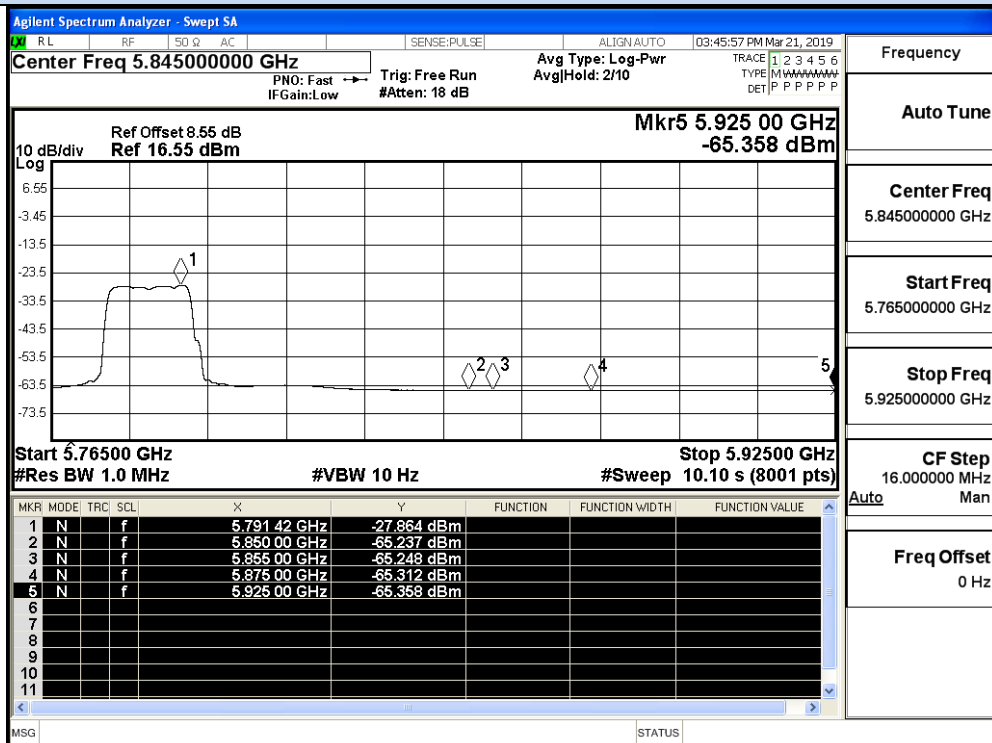


IEEE 802.11n40 / Channel 151 / 5755MHz / Average_Ant_4

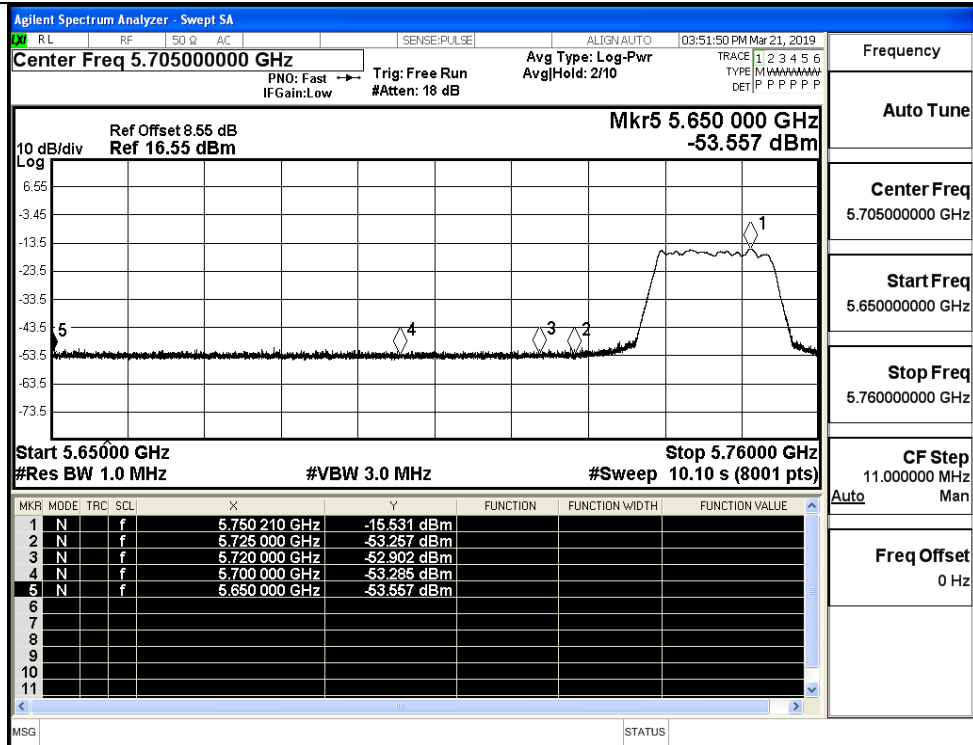
Undesirable Emissions Measurement_Ant_4



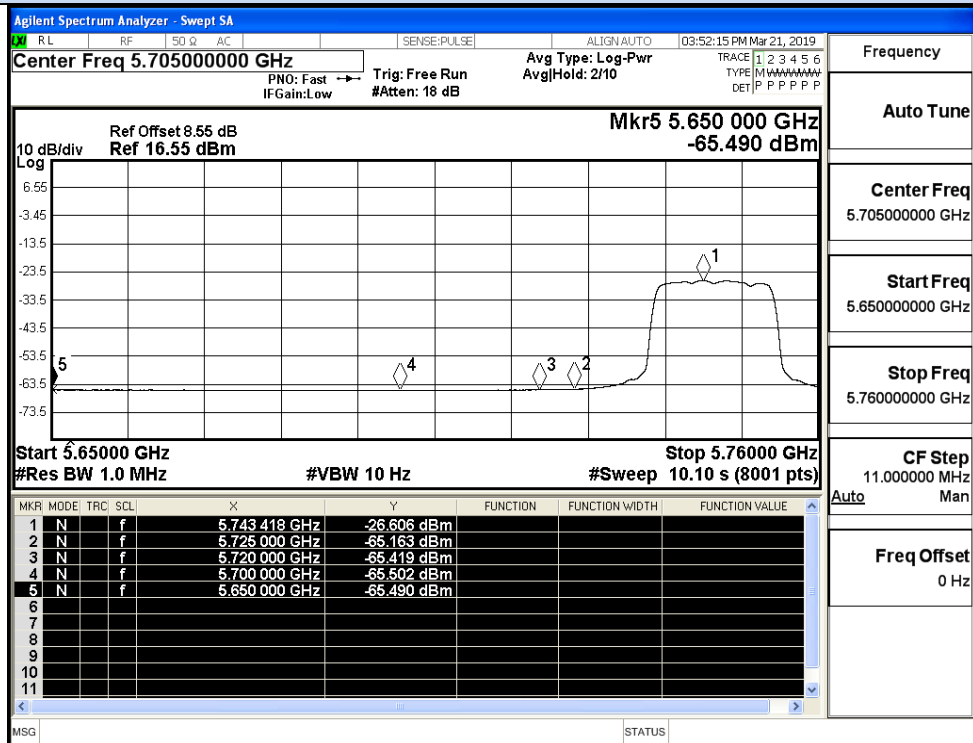
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak_Ant_4



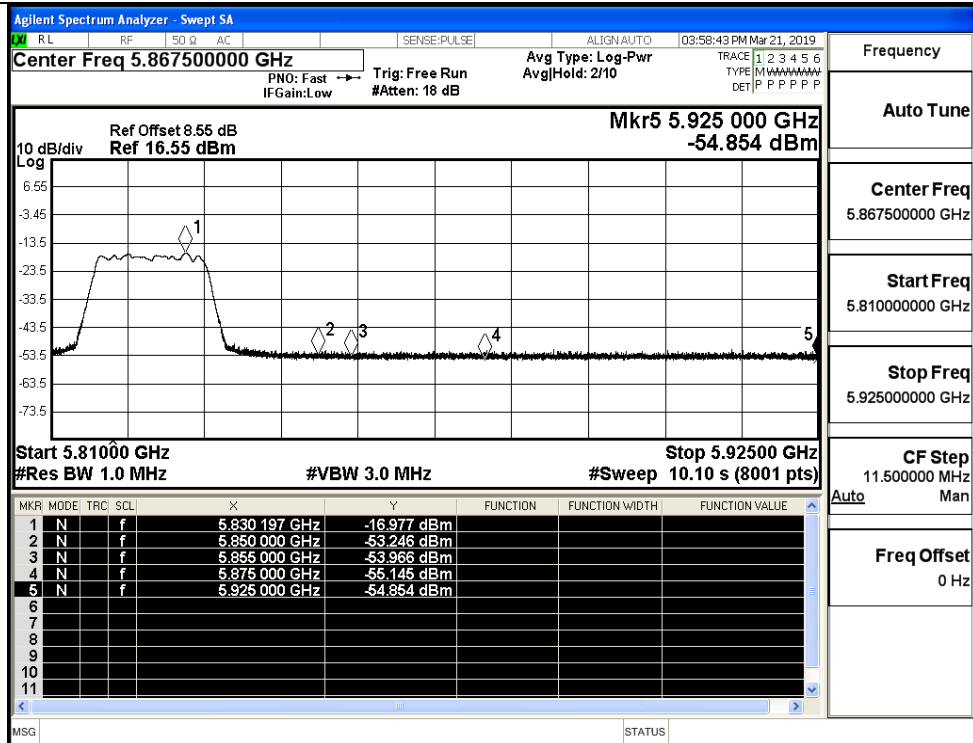
IEEE 802.11n40 / Channel 159 / 5795MHz / Average_Ant_4



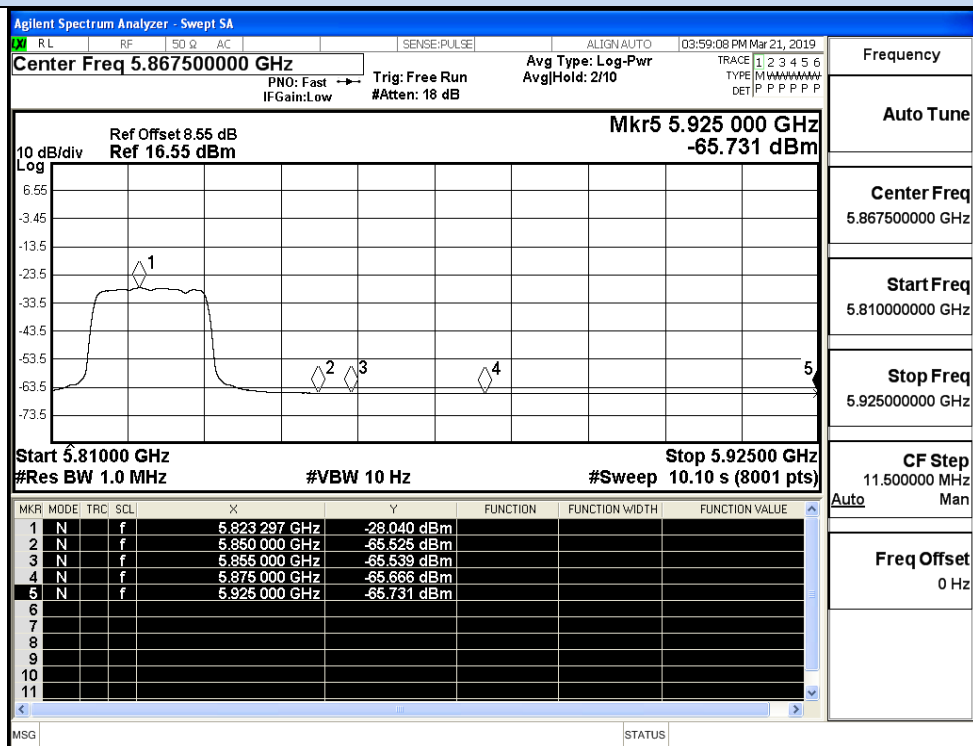
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak_Ant_4



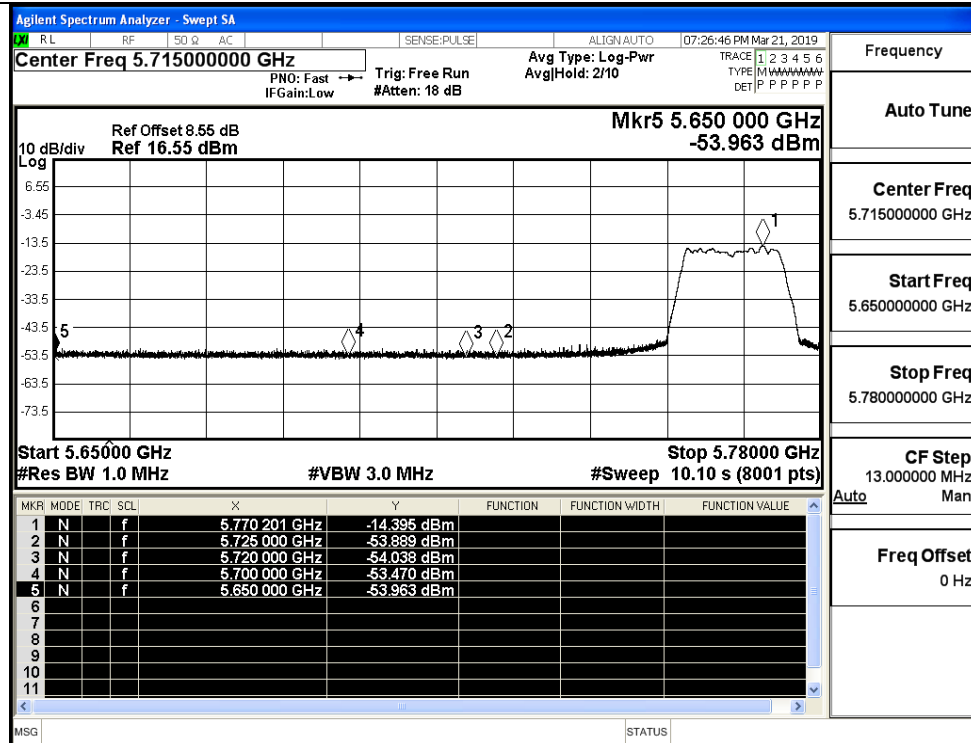
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average_Ant_4



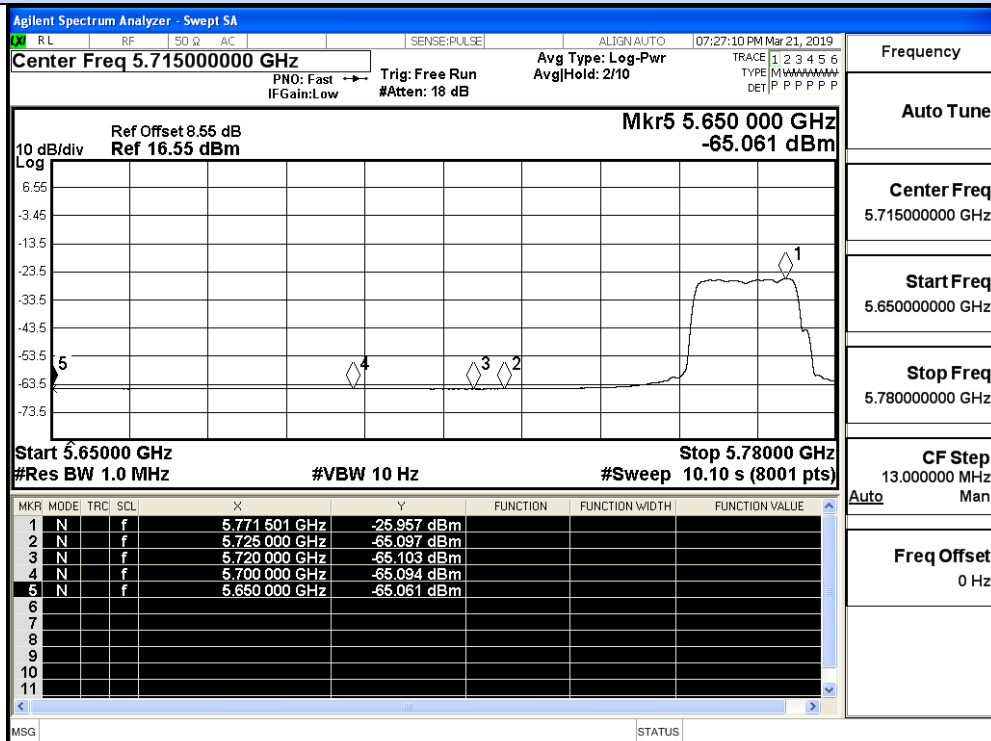
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak_Ant_4



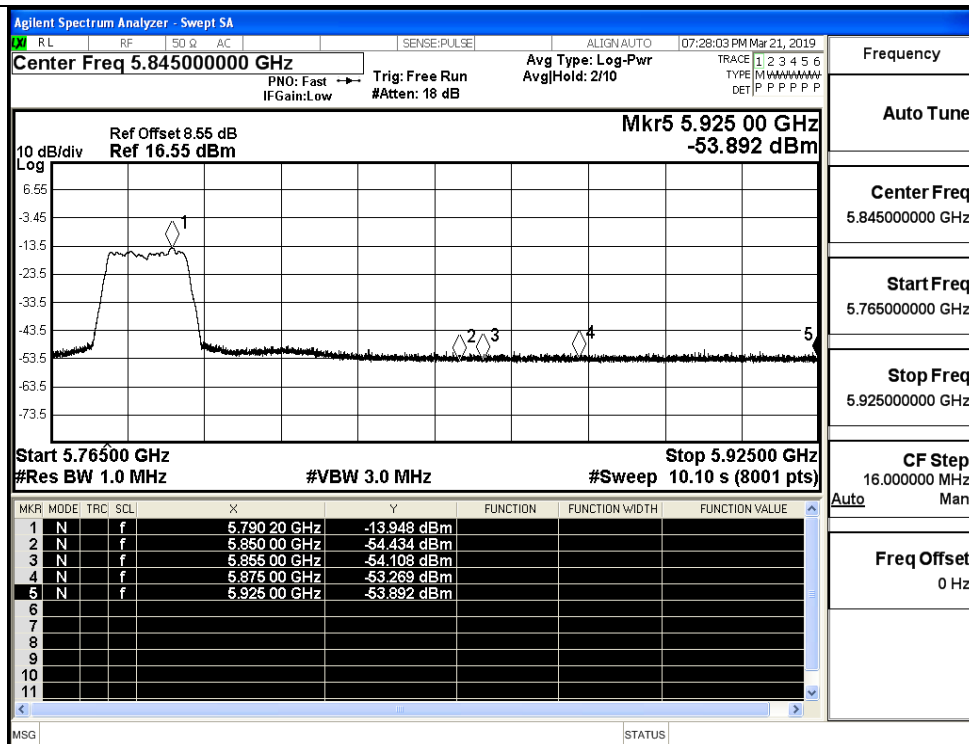
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average_Ant_4



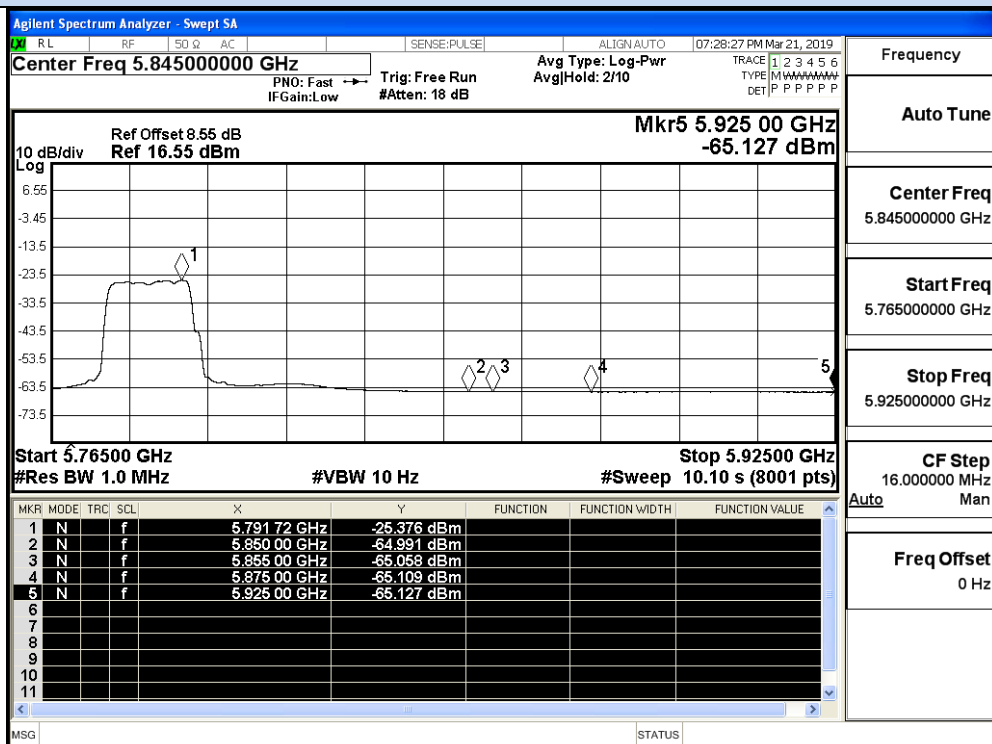
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak_Ant_4



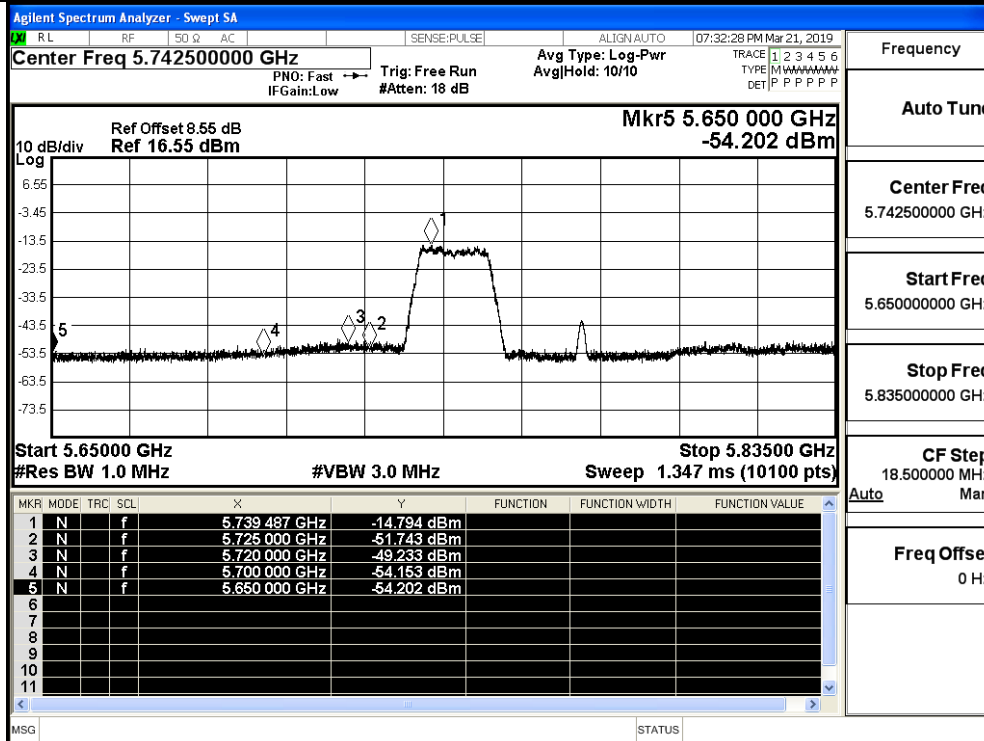
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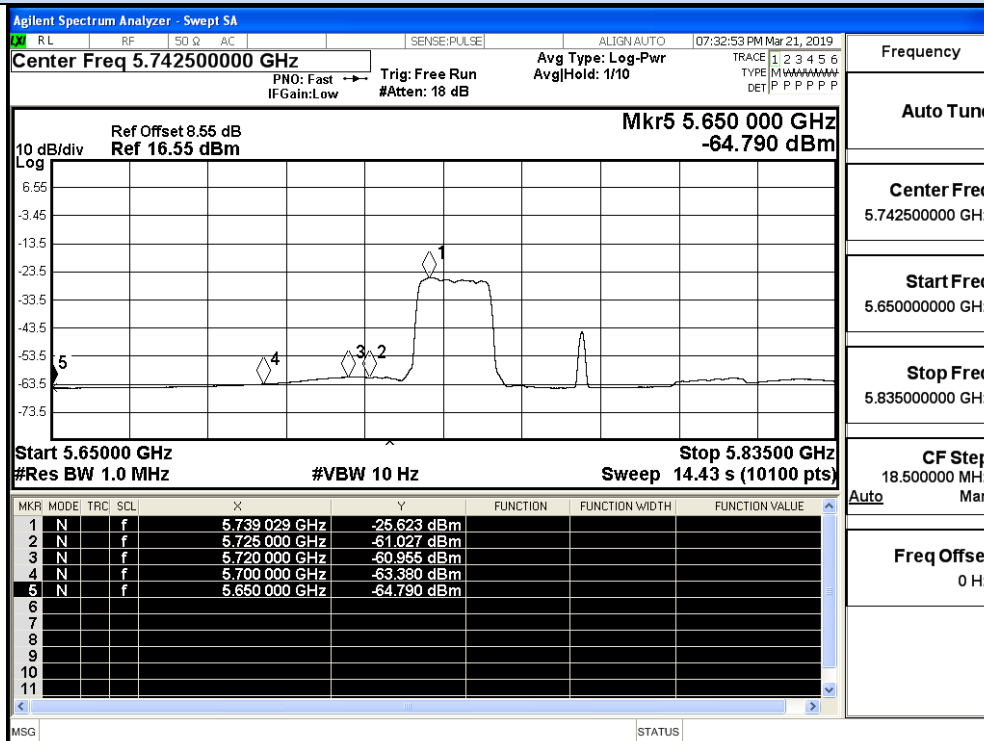
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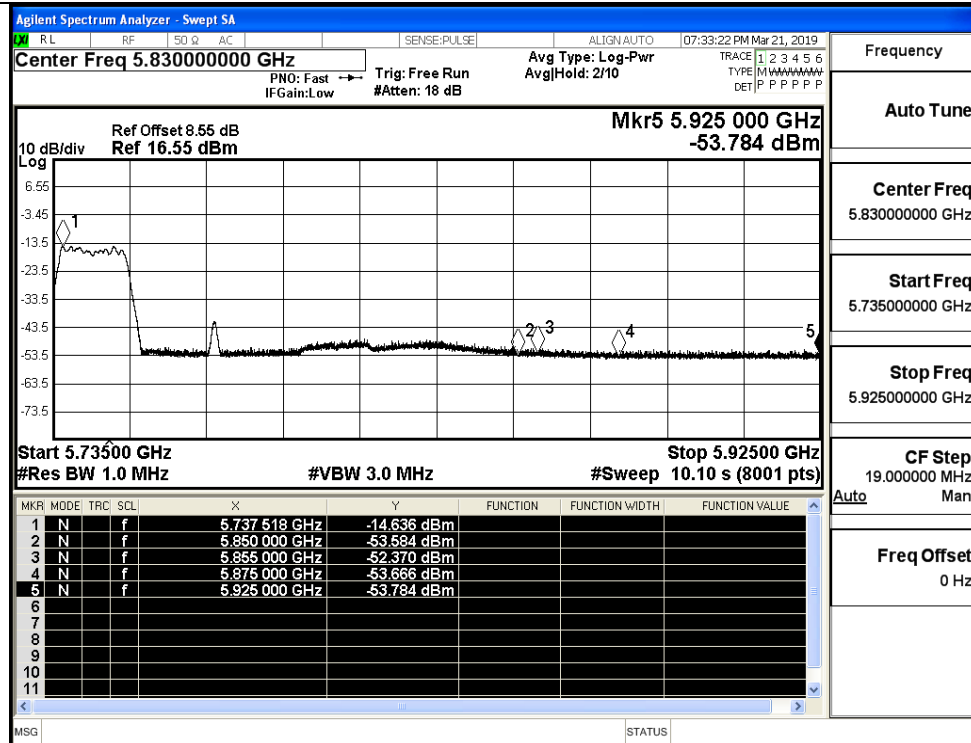
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average_Ant_4



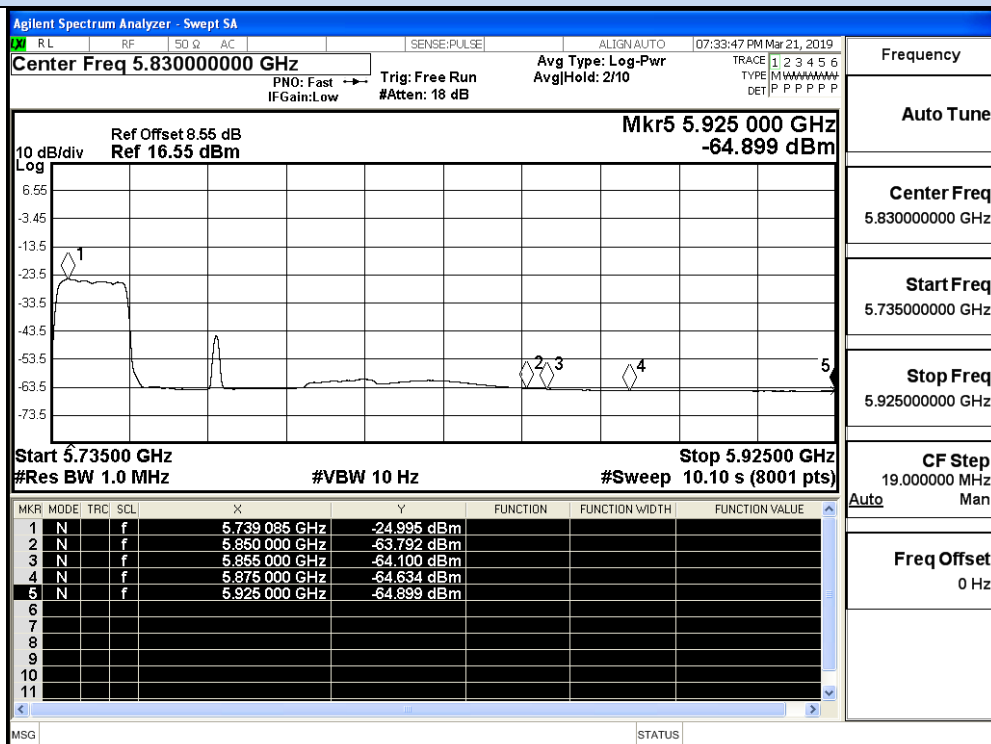
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak_Ant_4



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average_Ant_4



IEEE 802.11ac80 / Channel 155/ 5775MHz / Peak_Ant_4



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average_Ant_4