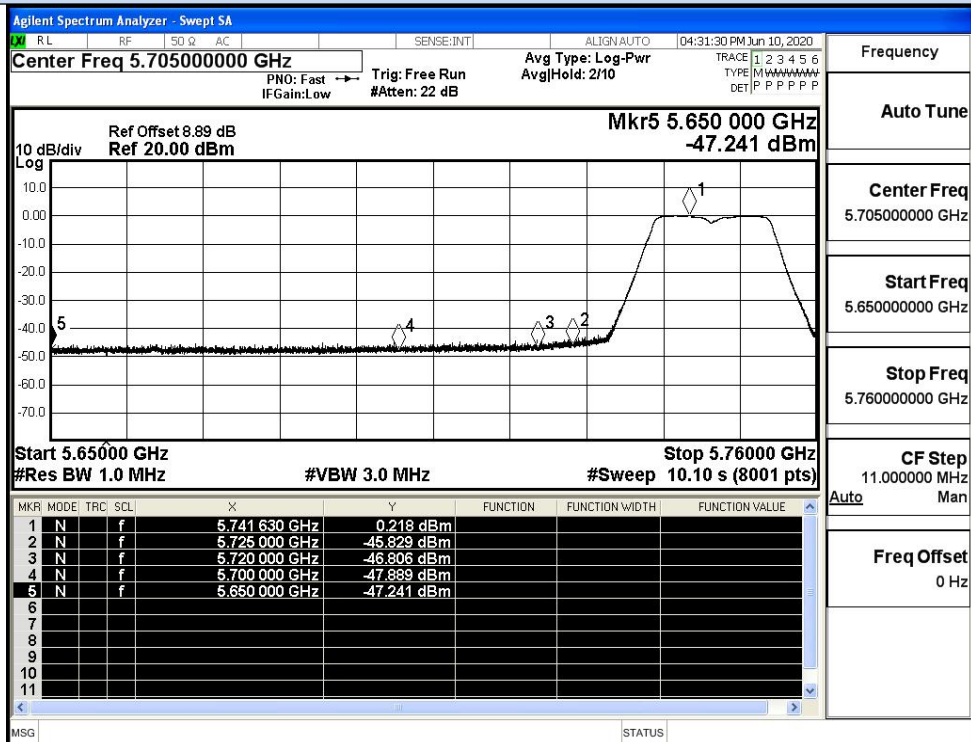
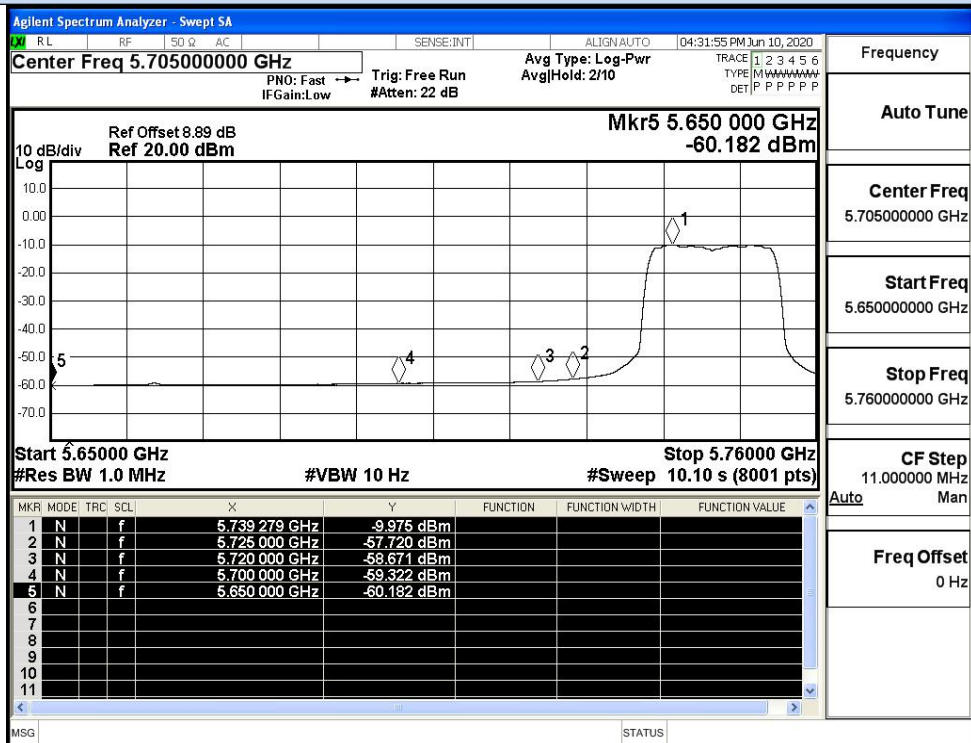


Undesirable Emissions Measurement

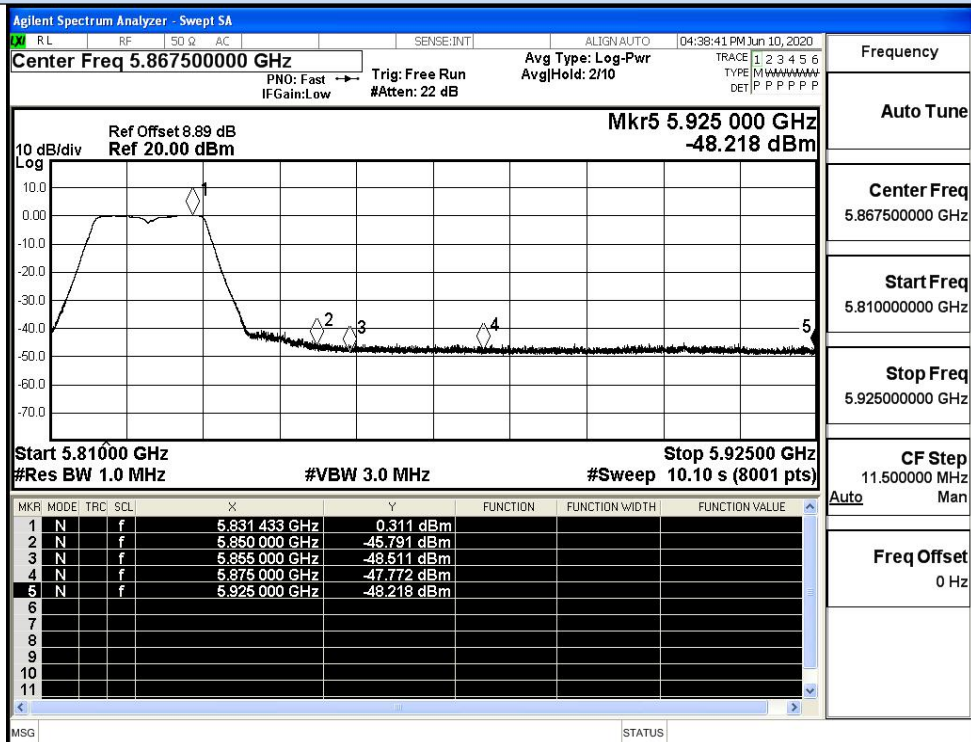


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak

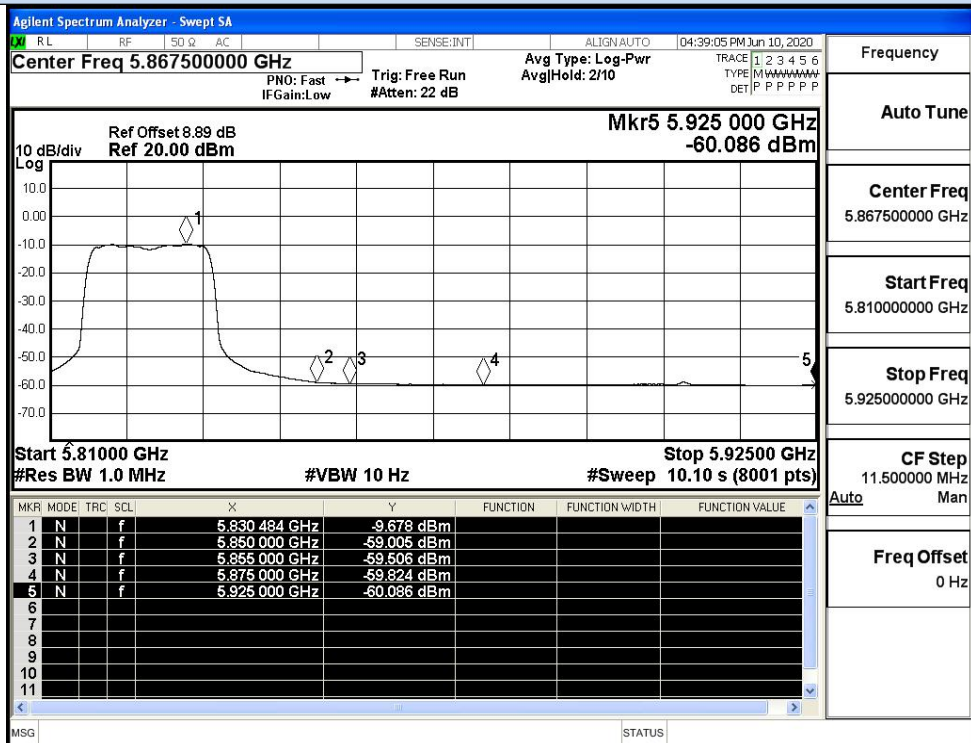


IEEE 802.11n20 / Channel 149 / 5745MHz / Average

Undesirable Emissions Measurement

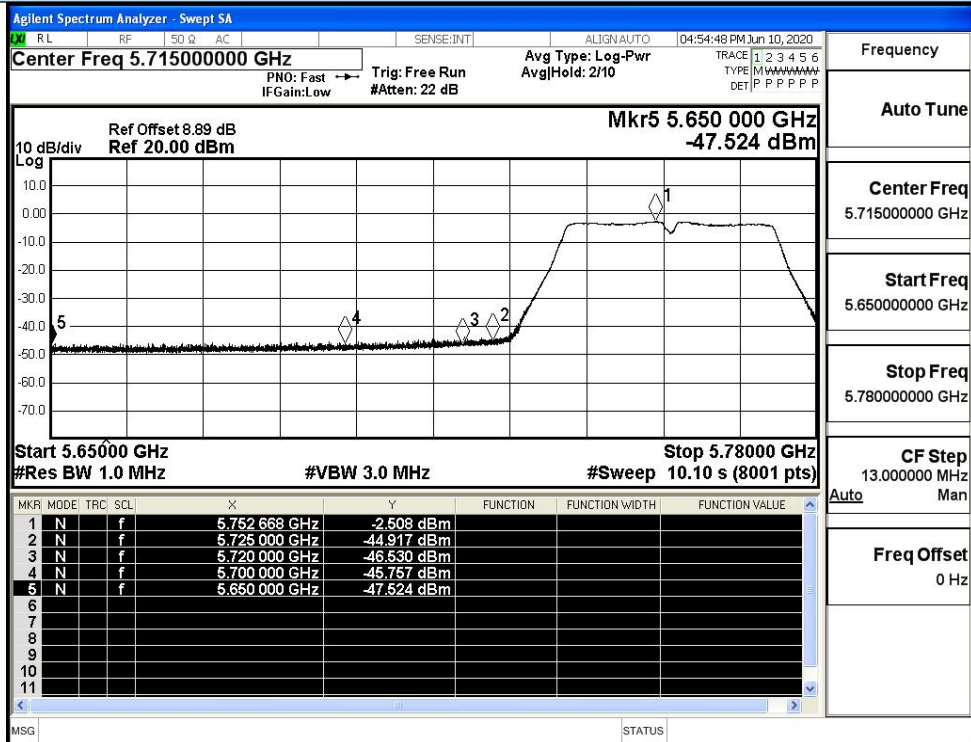


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak

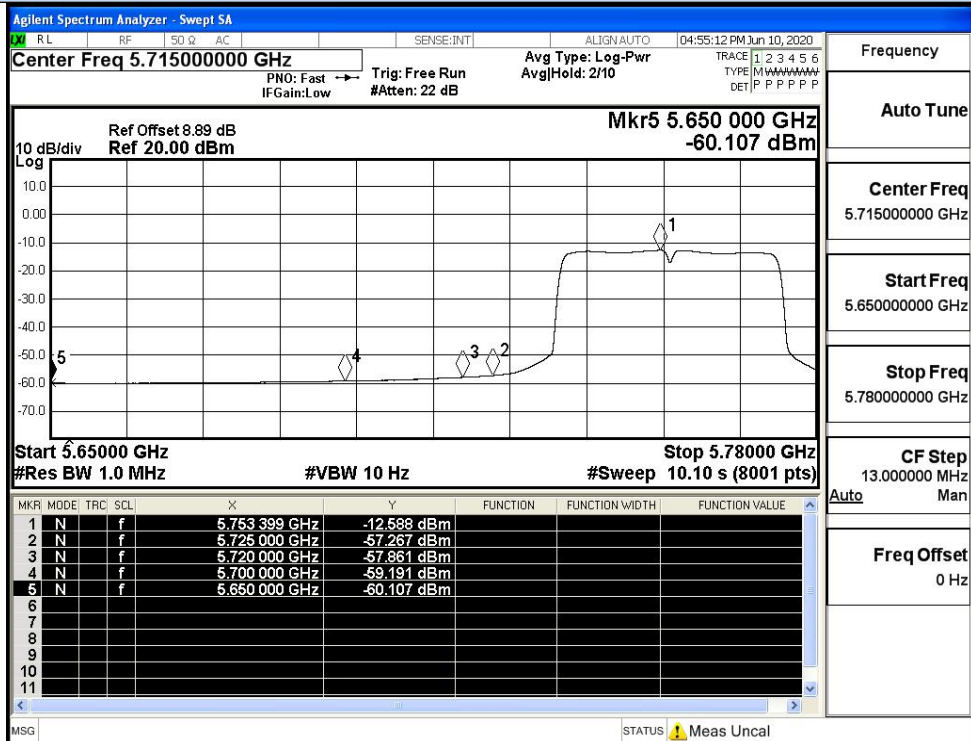


IEEE 802.11n20 / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement

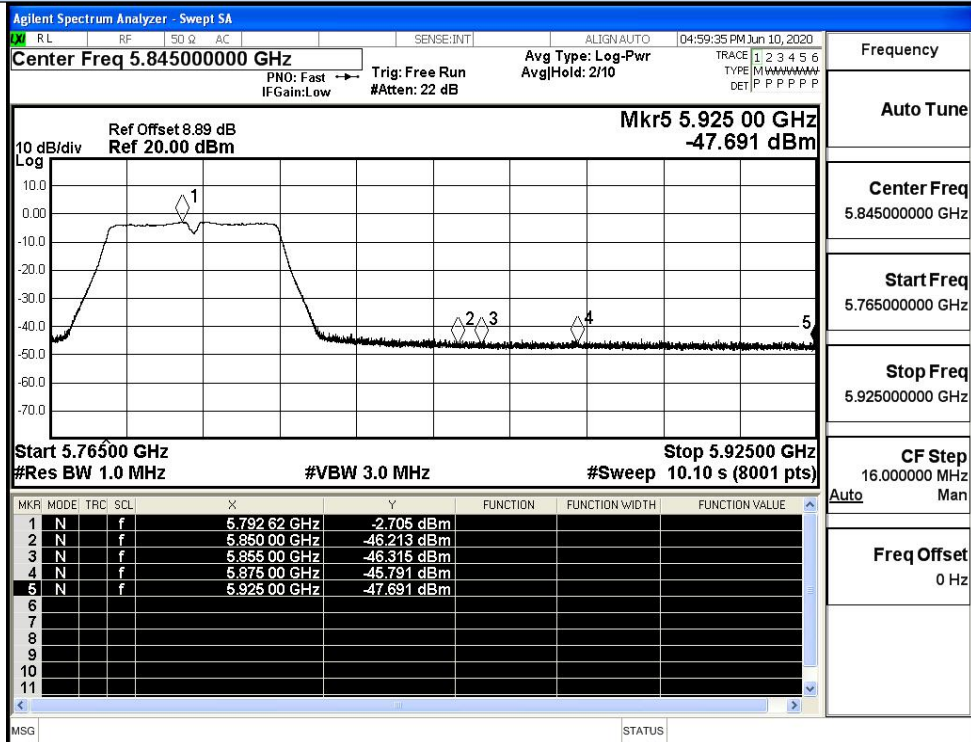


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak

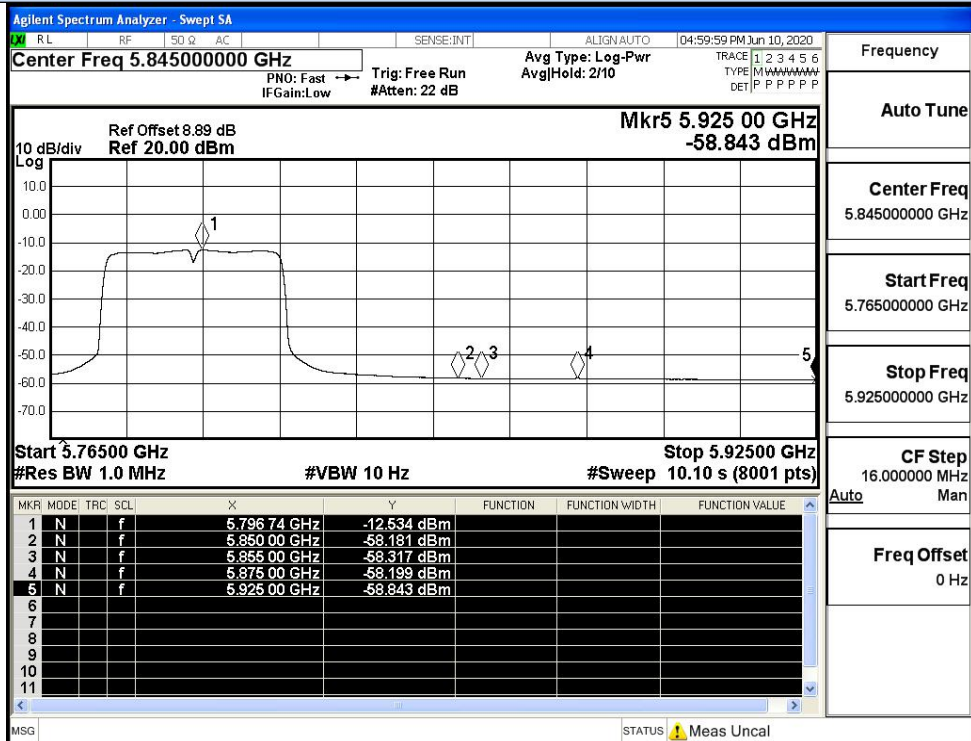


IEEE 802.11n40 / Channel 151 / 5755MHz / Average

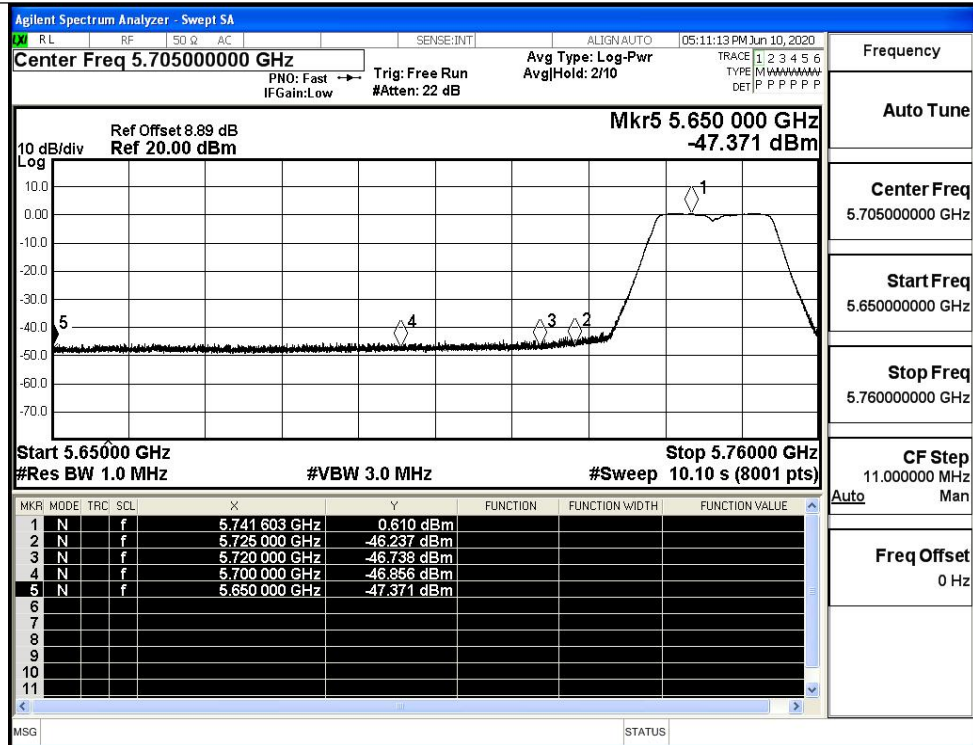
Undesirable Emissions Measurement



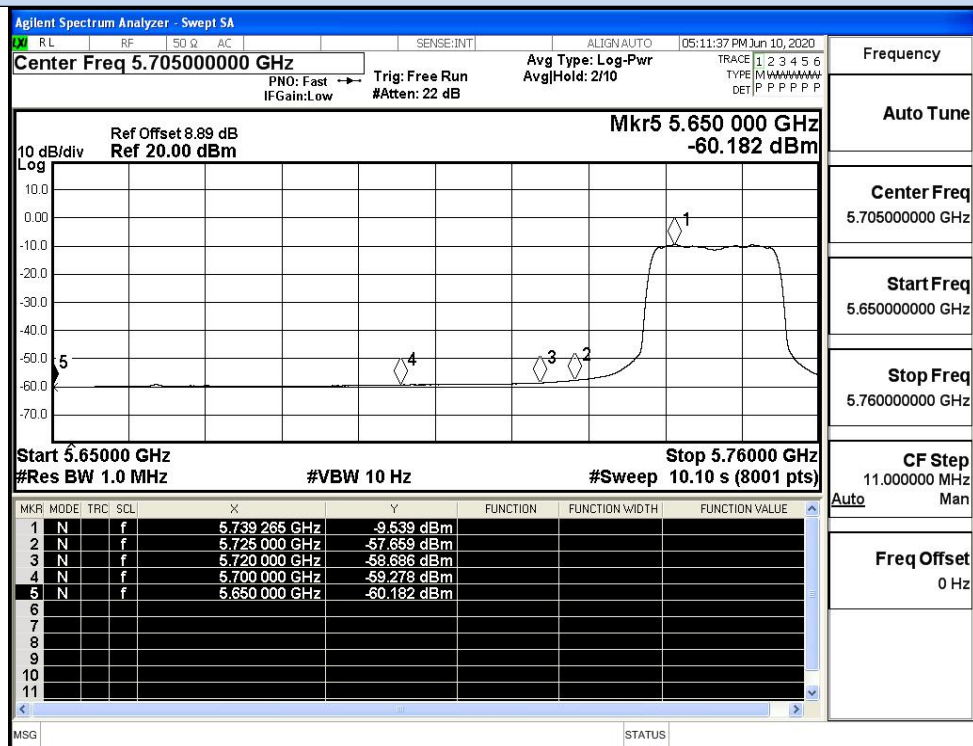
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak



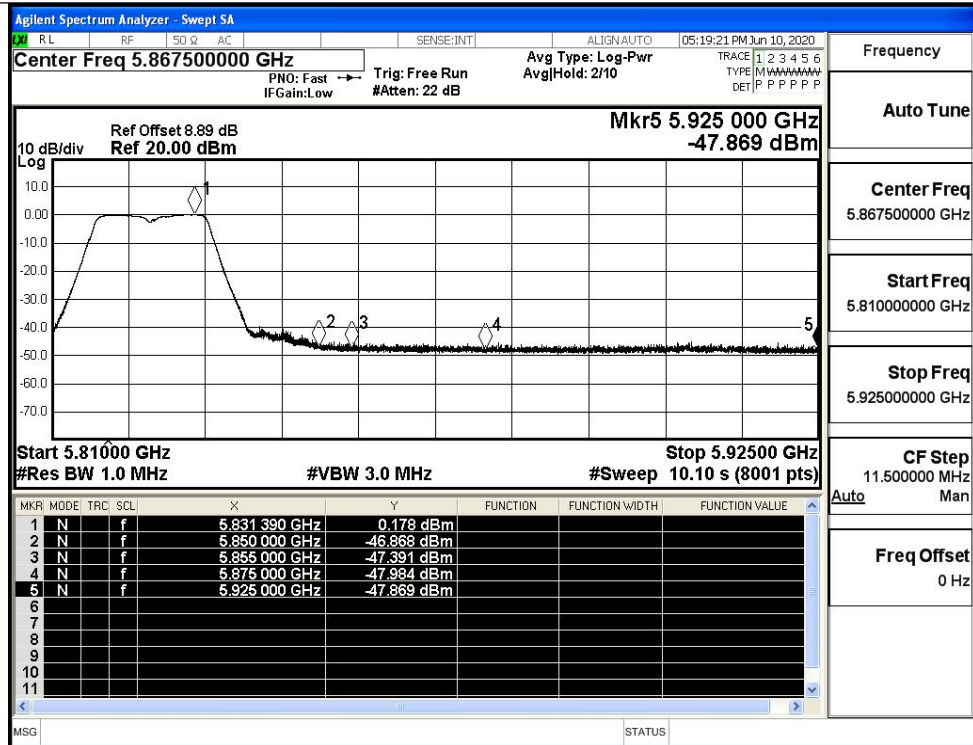
IEEE 802.11n40 / Channel 159 / 5795MHz / Average



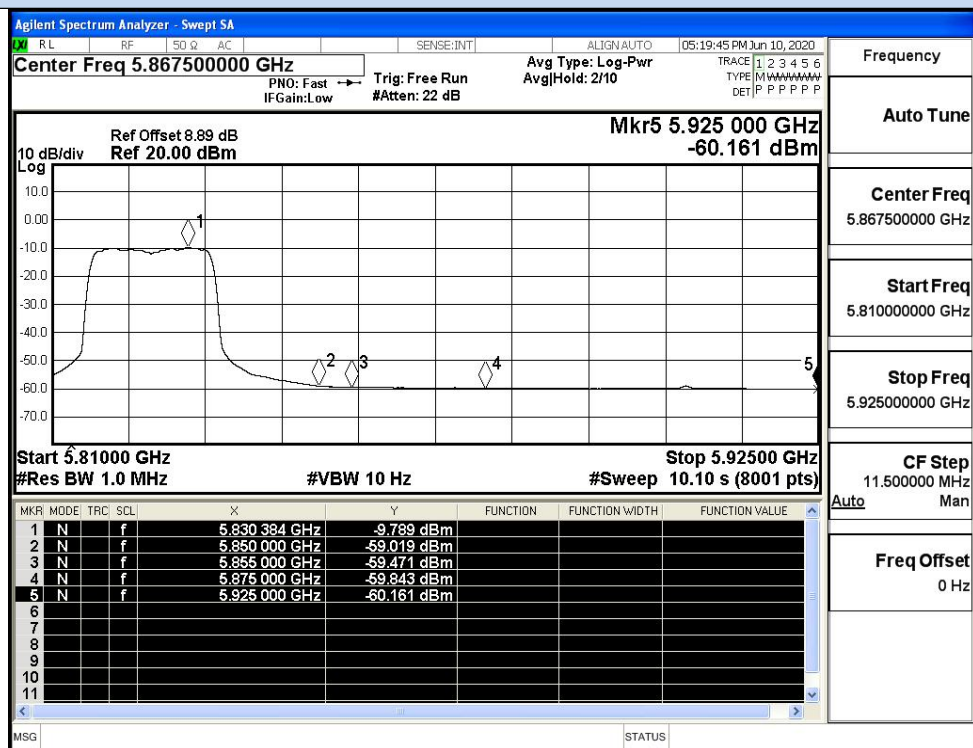
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak



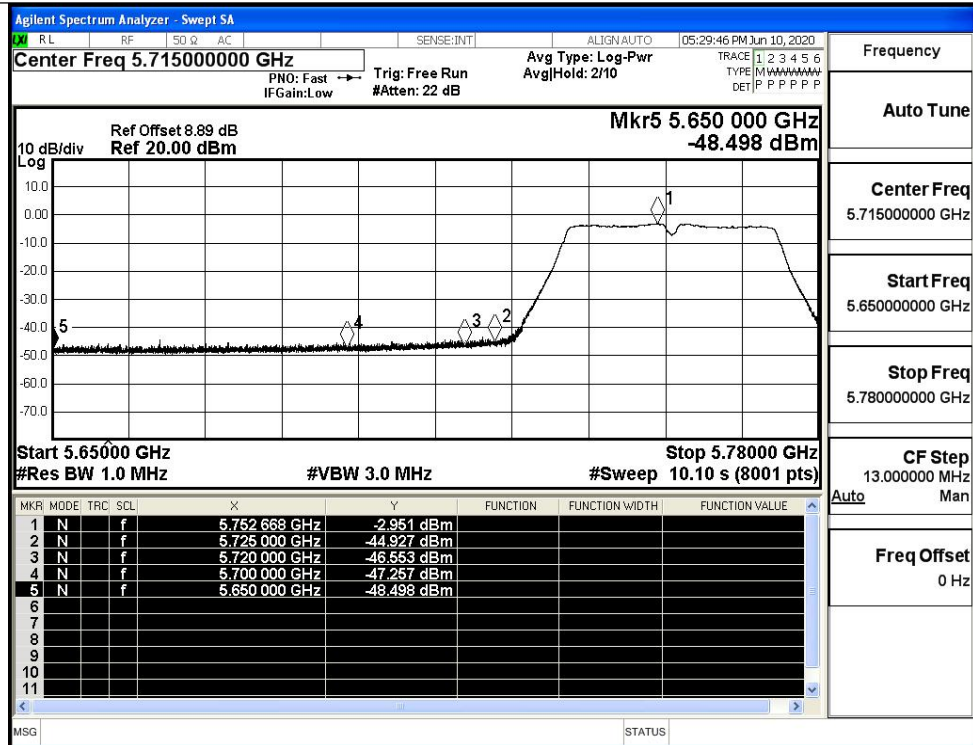
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average



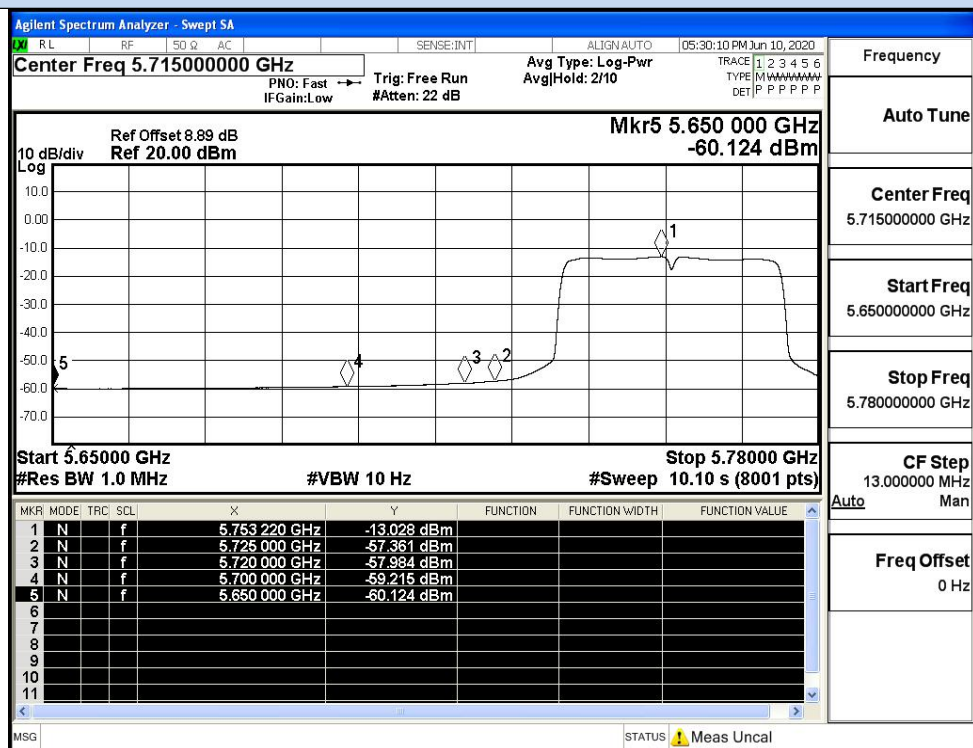
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak



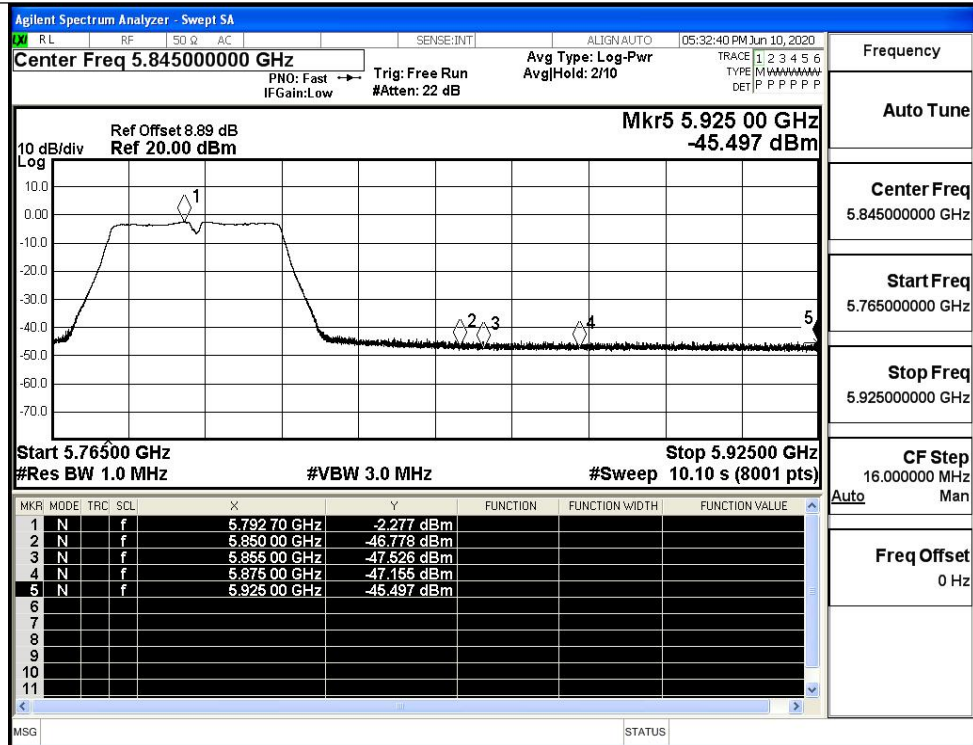
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average



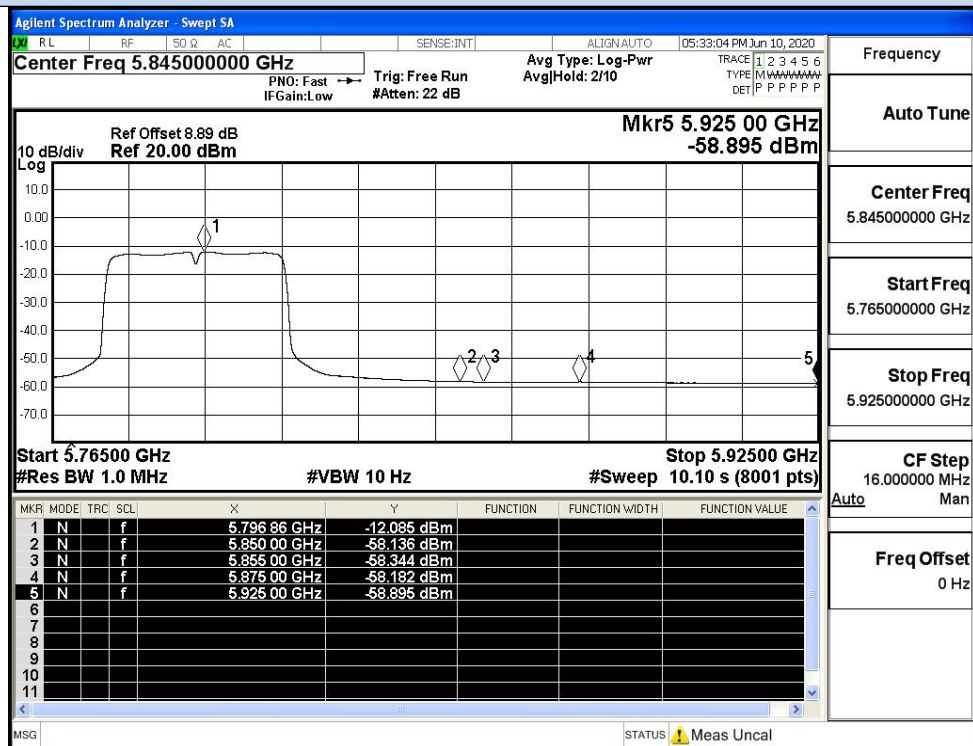
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak



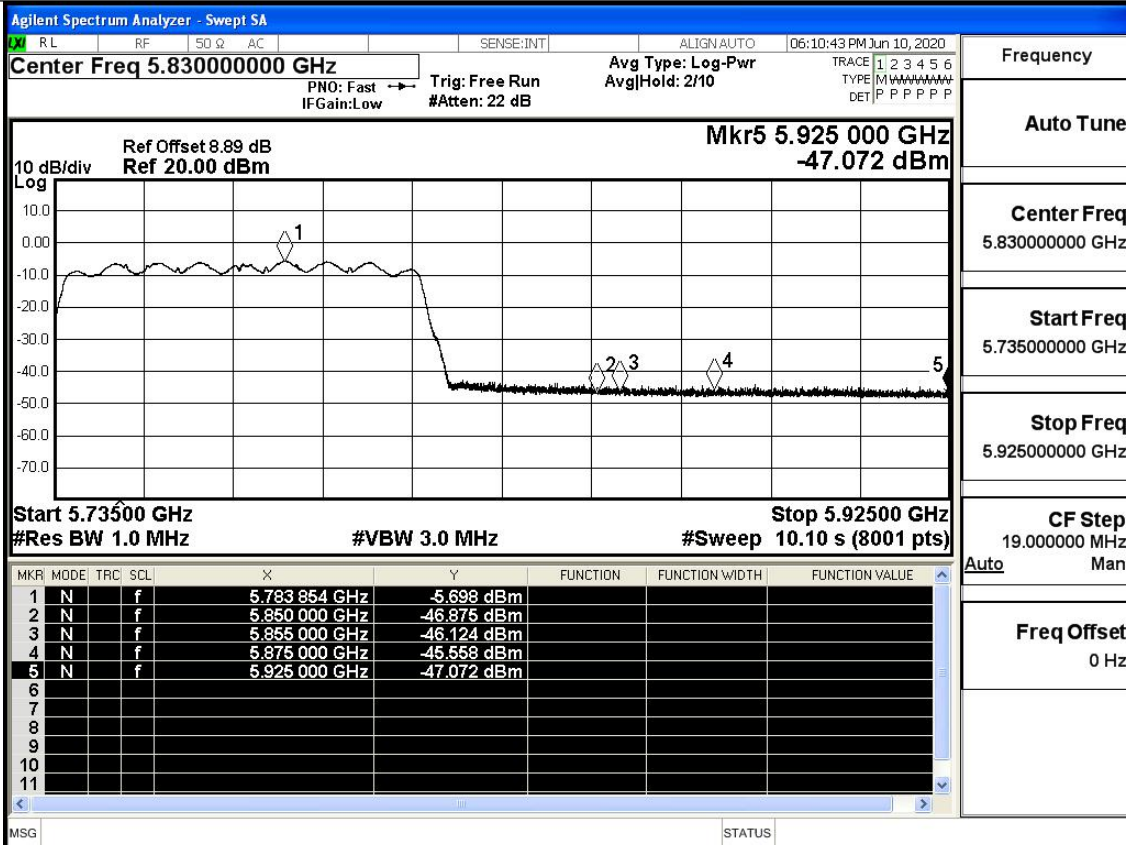
IEEE 802.11ac40 / Channel 151 / 5755MHz / Average



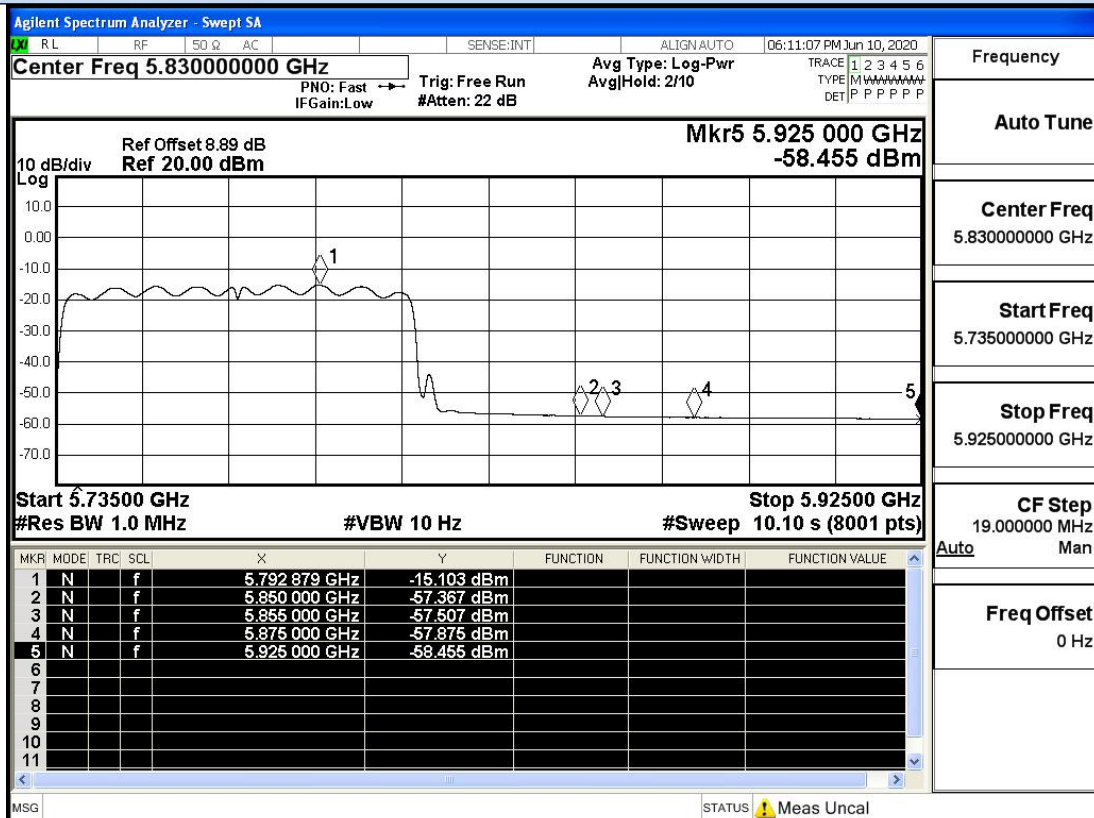
IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak



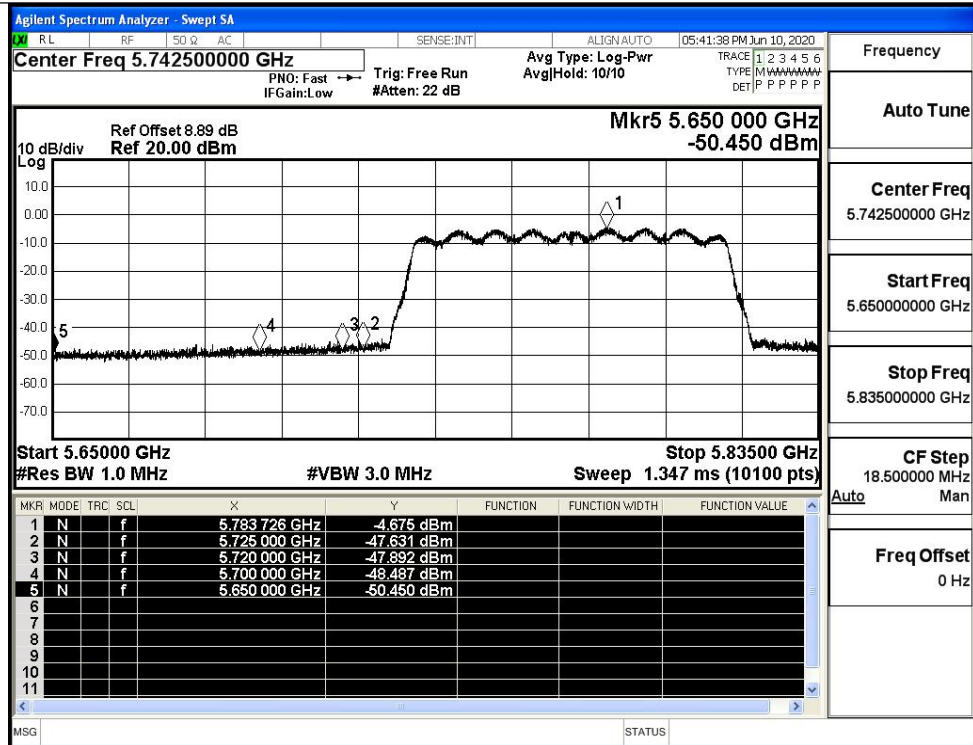
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average



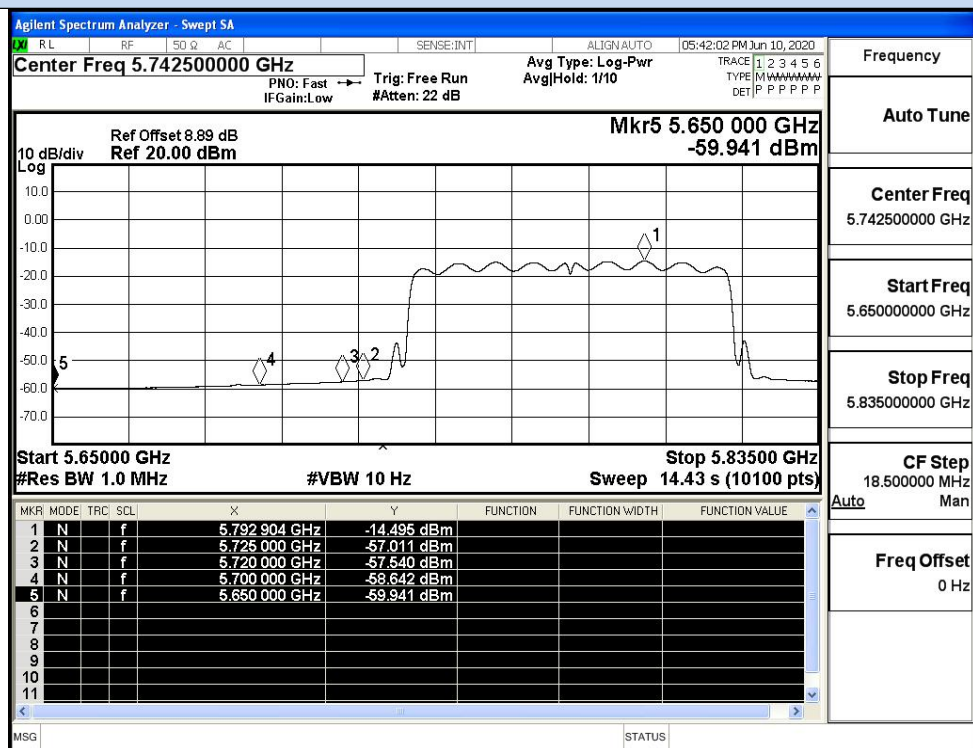
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average



IEEE 802.11ac80 / Channel 155/ 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average

Ant0+1

Test Mode	Channel	Frequency (MHz)	ANT 0 Conducted Power (dBm)	ANT 1 Conducted Power (dBm)	ANT 0-1 Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N20 SISO	149	5650.0	-49.45	-47.24	-45.20	5.01	-40.19	Peak	-27.0	Pass
		5650.0	-60.46	-60.18	-57.31	5.01	-52.30	Average	-27.0	Pass
		5700.0	-47.01	-47.89	-44.42	5.01	-39.41	Peak	10	Pass
		5700.0	-57.55	-58.67	-55.06	5.01	-50.05	Average	10	Pass
		5720.0	-43.83	-46.81	-42.06	5.01	-37.05	Peak	15.6	Pass
		5720.0	-59.73	-59.32	-56.51	5.01	-51.50	Average	15.6	Pass
		5725.0	-39.64	-45.83	-38.70	5.01	-33.69	Peak	27.0	Pass
		5725.0	-55.08	-57.72	-53.19	5.01	-48.18	Average	27.0	Pass
	165	5850.0	-46.06	-45.79	-42.91	5.01	-37.90	Peak	27.0	Pass
		5850.0	-58.14	-59.01	-55.54	5.01	-50.53	Average	27.0	Pass
		5855.0	-46.76	-48.51	-44.54	5.01	-39.53	Peak	15.6	Pass
		5855.0	-58.73	-59.51	-56.09	5.01	-51.08	Average	15.6	Pass
		5875.0	-47.98	-47.77	-44.86	5.01	-39.85	Peak	10	Pass
		5875.0	-59.53	-59.82	-56.66	5.01	-51.65	Average	10	Pass
		5925.0	-48.50	-48.22	-45.35	5.01	-40.34	Peak	-27.0	Pass
		5925.0	-60.34	-60.09	-57.20	5.01	-52.19	Average	-27.0	Pass

Test Mode	Channel	Frequency (MHz)	ANT 0 Conducted Power (dBm)	ANT 1 Conducted Power (dBm)	ANT 0-1 Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
11N40 SISO	151	5650.0	-48.22	-47.52	-44.85	5.01	-39.84	Peak	-27.0	Pass
		5650.0	-60.31	-60.11	-57.20	5.01	-52.19	Average	-27.0	Pass
		5700.0	-48.09	-45.76	-43.76	5.01	-38.75	Peak	10	Pass
		5700.0	-59.49	-59.19	-56.33	5.01	-51.32	Average	10	Pass
		5720.0	-42.91	-46.53	-41.34	5.01	-36.33	Peak	15.6	Pass
		5720.0	-56.33	-57.86	-54.02	5.01	-49.01	Average	15.6	Pass
		5725.0	-41.92	-44.92	-40.16	5.01	-35.15	Peak	27.0	Pass
		5725.0	-54.87	-57.27	-52.90	5.01	-47.89	Average	27.0	Pass
	159	5850.0	-46.78	-46.21	-43.48	5.01	-38.47	Peak	27.0	Pass
		5850.0	-59.04	-58.18	-55.58	5.01	-50.57	Average	27.0	Pass
		5855.0	-48.58	-46.32	-44.29	5.01	-39.28	Peak	15.6	Pass
		5855.0	-59.16	-58.32	-55.71	5.01	-50.70	Average	15.6	Pass
		5875.0	-47.96	-45.79	-43.73	5.01	-38.72	Peak	10	Pass
		5875.0	-59.62	-58.20	-55.84	5.01	-50.83	Average	10	Pass
		5925.0	-49.13	-47.69	-45.34	5.01	-40.33	Peak	-27.0	Pass
		5925.0	-60.13	-58.84	-56.43	5.01	-51.42	Average	-27.0	Pass
11AC20 SISO	149	5650.0	-48.80	-47.37	-45.02	5.01	-40.01	Peak	-27.0	Pass
		5650.0	-60.44	-60.18	-57.30	5.01	-52.29	Average	-27.0	Pass
		5700.0	-48.49	-46.86	-44.59	5.01	-39.58	Peak	10	Pass
		5700.0	-58.15	-58.69	-55.40	5.01	-50.39	Average	10	Pass
		5720.0	-45.83	-46.74	-43.25	5.01	-38.24	Peak	15.6	Pass
		5720.0	-59.68	-59.28	-56.47	5.01	-51.46	Average	15.6	Pass
		5725.0	-38.75	-46.24	-38.04	5.01	-33.03	Peak	27.0	Pass
		5725.0	-56.17	-57.66	-53.84	5.01	-48.83	Average	27.0	Pass
	165	5850.0	-41.86	-46.87	-40.67	5.01	-35.66	Peak	27.0	Pass
		5850.0	-58.08	-59.02	-55.51	5.01	-50.50	Average	27.0	Pass
		5855.0	-45.75	-47.39	-43.48	5.01	-38.47	Peak	15.6	Pass
		5855.0	-58.65	-59.47	-56.03	5.01	-51.02	Average	15.6	Pass
		5875.0	-47.94	-47.98	-44.95	5.01	-39.94	Peak	10	Pass
		5875.0	-59.45	-59.84	-56.63	5.01	-51.62	Average	10	Pass
		5925.0	-48.18	-47.87	-45.01	5.01	-40.00	Peak	-27.0	Pass
		5925.0	-60.25	-60.16	-57.19	5.01	-52.18	Average	-27.0	Pass
11AC40 SISO	151	5650.0	-48.29	-48.50	-45.38	5.01	-40.37	Peak	-27.0	Pass
		5650.0	-60.26	-60.12	-57.18	5.01	-52.17	Average	-27.0	Pass
		5700.0	-47.52	-47.26	-44.38	5.01	-39.37	Peak	10	Pass
		5700.0	-59.43	-59.22	-56.31	5.01	-51.30	Average	10	Pass
		5720.0	-43.92	-46.55	-42.03	5.01	-37.02	Peak	15.6	Pass
		5720.0	-56.02	-57.98	-53.88	5.01	-48.87	Average	15.6	Pass
		5725.0	-39.06	-44.93	-38.06	5.01	-33.05	Peak	27.0	Pass
		5725.0	-54.46	-57.36	-52.66	5.01	-47.65	Average	27.0	Pass
	159	5850.0	-47.78	-46.78	-44.24	5.01	-39.23	Peak	27.0	Pass
		5850.0	-59.10	-58.14	-55.58	5.01	-50.57	Average	27.0	Pass
		5855.0	-47.64	-47.53	-44.57	5.01	-39.56	Peak	15.6	Pass

11AC80 SISO	155	5855.0	-59.20	-58.34	-55.74	5.01	-50.73	Average	15.6	Pass
		5875.0	-48.99	-47.16	-44.97	5.01	-39.96	Peak	10	Pass
		5875.0	-59.60	-58.18	-55.82	5.01	-50.81	Average	10	Pass
		5925.0	-49.27	-45.50	-43.98	5.01	-38.97	Peak	-27.0	Pass
		5925.0	-60.13	-58.90	-56.46	5.01	-51.45	Average	-27.0	Pass
		5725.0						Peak	27.0	Pass
			-48.32	-47.63	-44.95	5.01	-39.94			
		5720.0				5.01		Peak	15.6	Pass
			-47.63	-47.89	-44.75		-39.74			
		5700.0				5.01		Peak	10	Pass
			-48.12	-48.49	-45.29		-40.28			
		5650.0				5.01		Peak	-27.0	Pass
			-48.65	-50.45	-46.45		-41.44			
		5725.0				5.01		Average	27.0	Pass
			-58.69	-57.01	-54.76		-49.75			
		5720.0				5.01		Average	15.6	Pass
			-58.79	-57.54	-55.11		-50.10			
		5700.0				5.01		Average	10	Pass
			-59.32	-58.64	-55.96		-50.95			
		5650.0				5.01		Average	-27.0	Pass
			-59.87	-59.94	-56.89		-51.88			
		5850.0				5.01		Peak	27.0	Pass
			-48.32	-47.63	-44.95		-39.94			
		5855.0				5.01		Peak	15.6	Pass
			-47.63	-47.89	-44.75		-39.74			
		5875.0				5.01		Peak	10	Pass
			-48.12	-48.49	-45.29		-40.28			
		5925.0				5.01		Peak	-27.0	Pass
			-48.65	-50.45	-46.45		-41.44			
		5850.0				5.01		Average	27.0	Pass
			-58.69	-57.01	-54.76		-49.75			
		5855.0				5.01		Average	15.6	Pass
			-58.79	-57.54	-55.11		-50.10			
		5875.0				5.01		Average	10	Pass
			-59.32	-58.64	-55.96		-50.95			
		5925.0				5.01		Average	-27.0	Pass
			-59.87	-59.94	-56.89		-51.88			

$EIRP(dBm/MHz) = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)}$

The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater

Directional gain = $2dBi + 10 \log(2) = 5.01dBi$