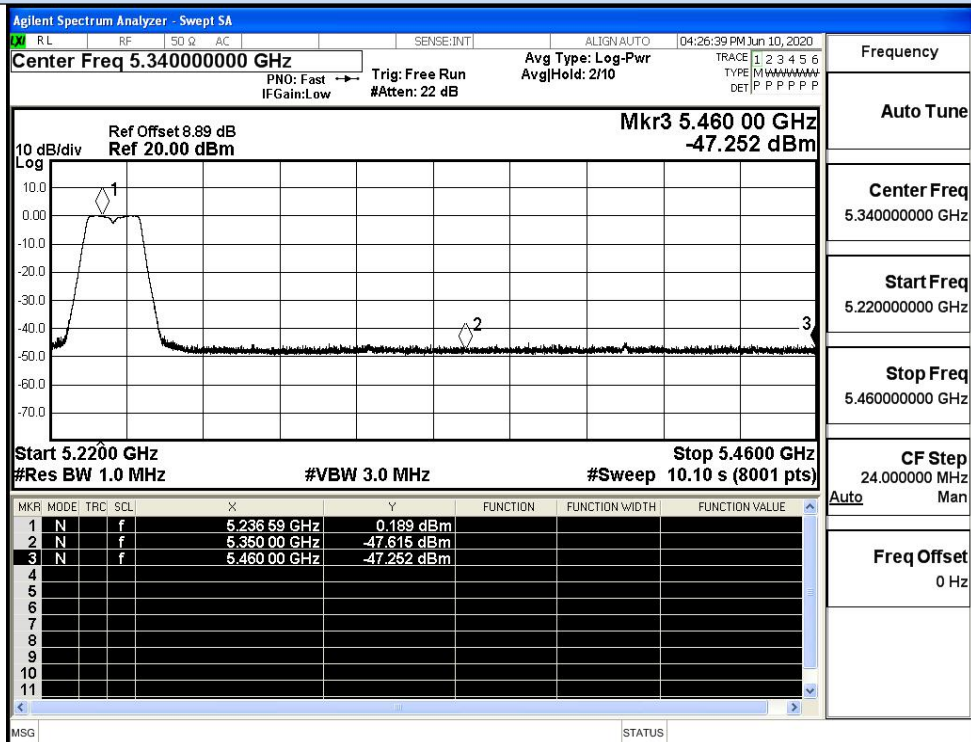
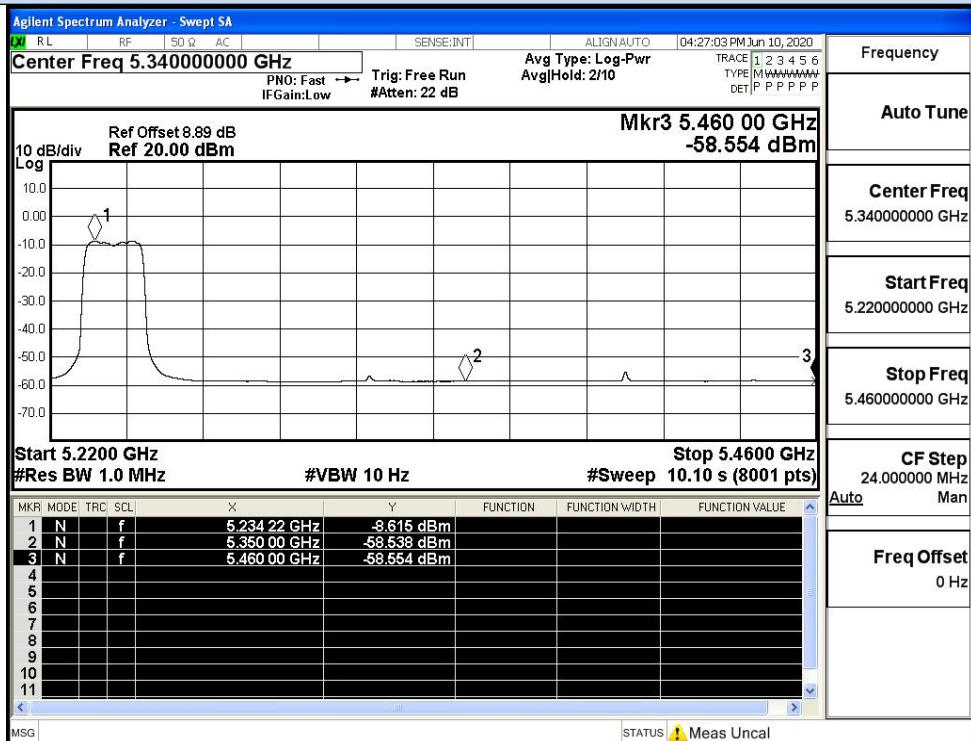


Undesirable Emissions Measurement

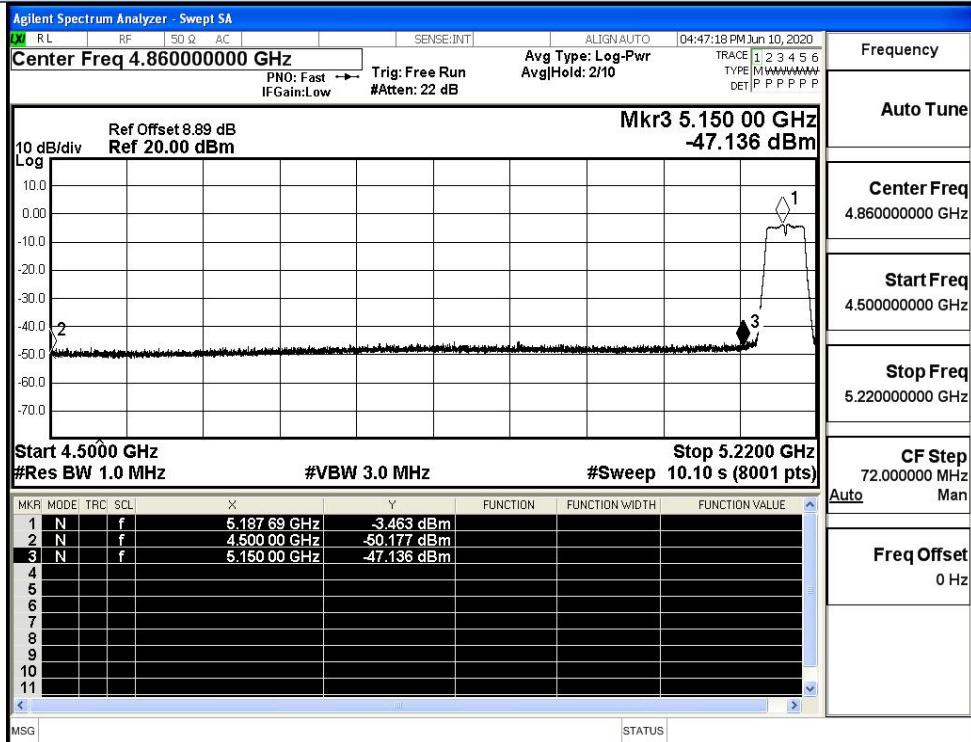


IEEE 802.11n20 / Channel 48 / 5240MHz / Peak

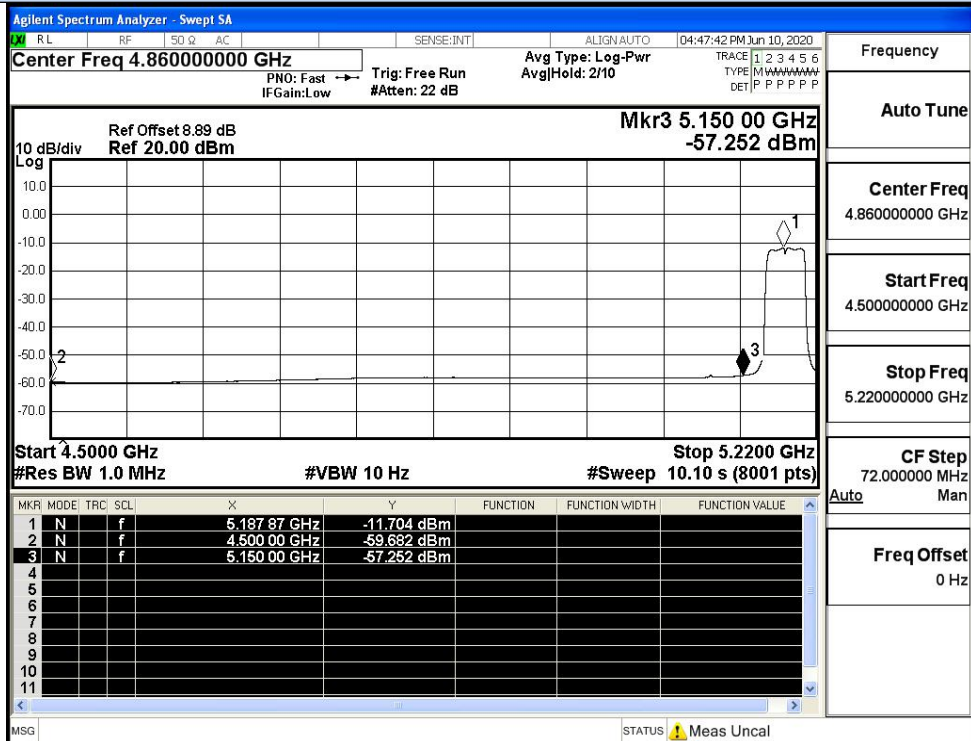


IEEE 802.11n20 / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

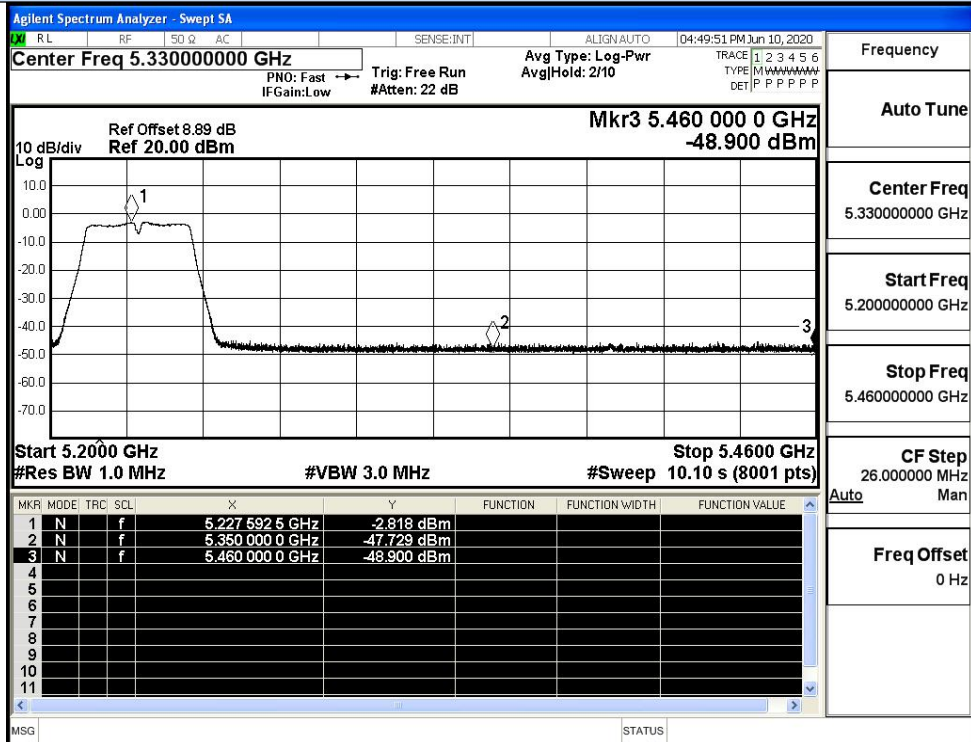


IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

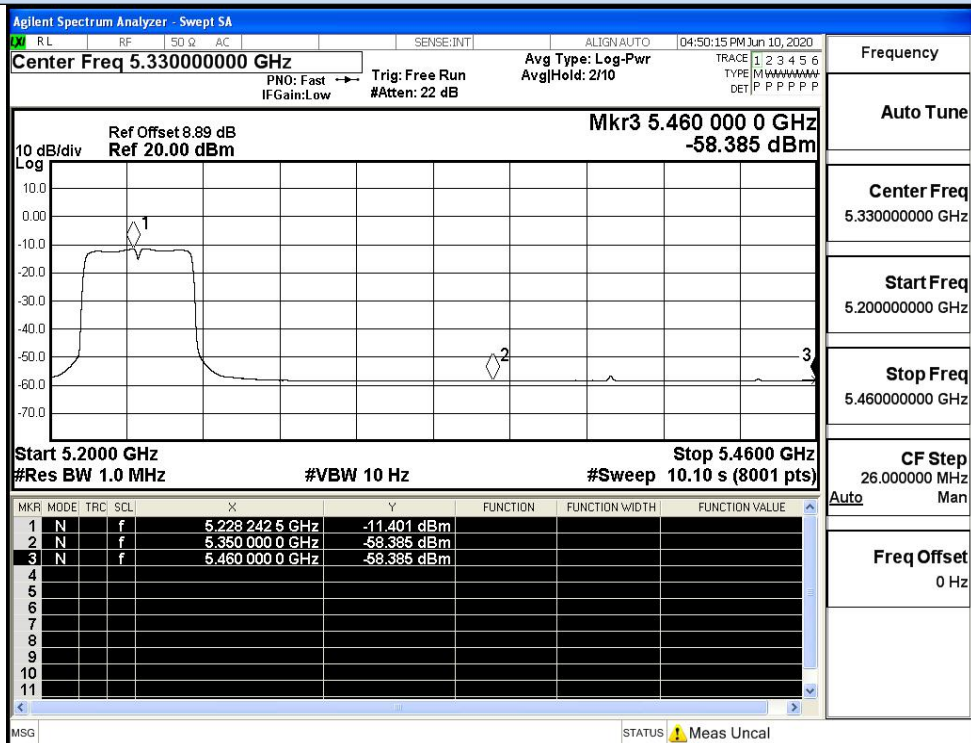


IEEE 802.11n40 / Channel 38 / 5190MHz / Average

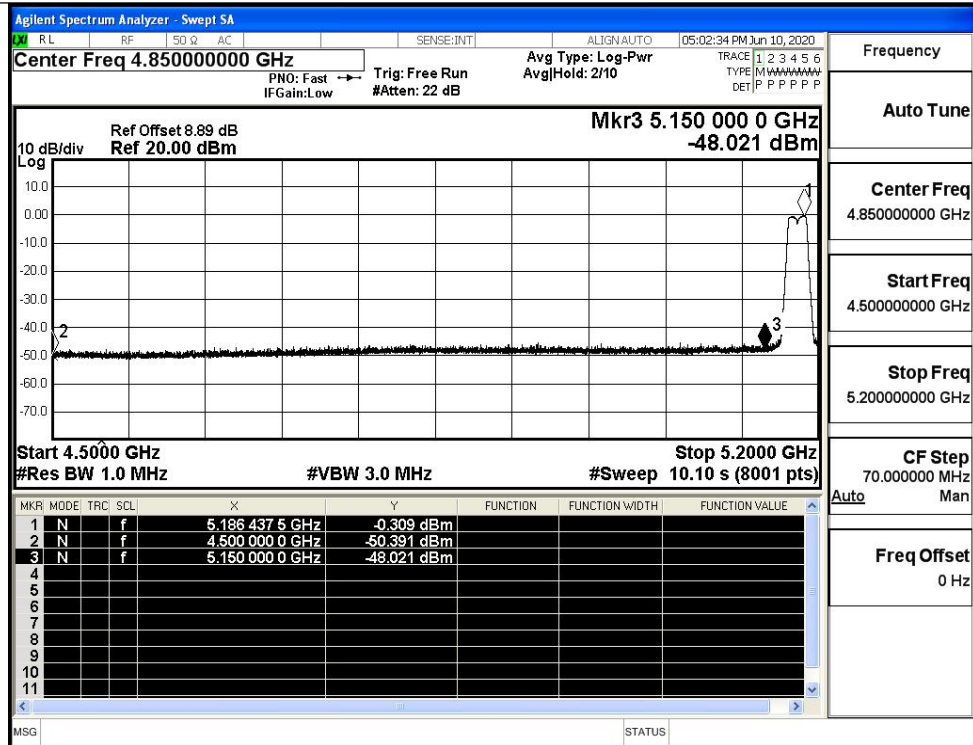
Undesirable Emissions Measurement



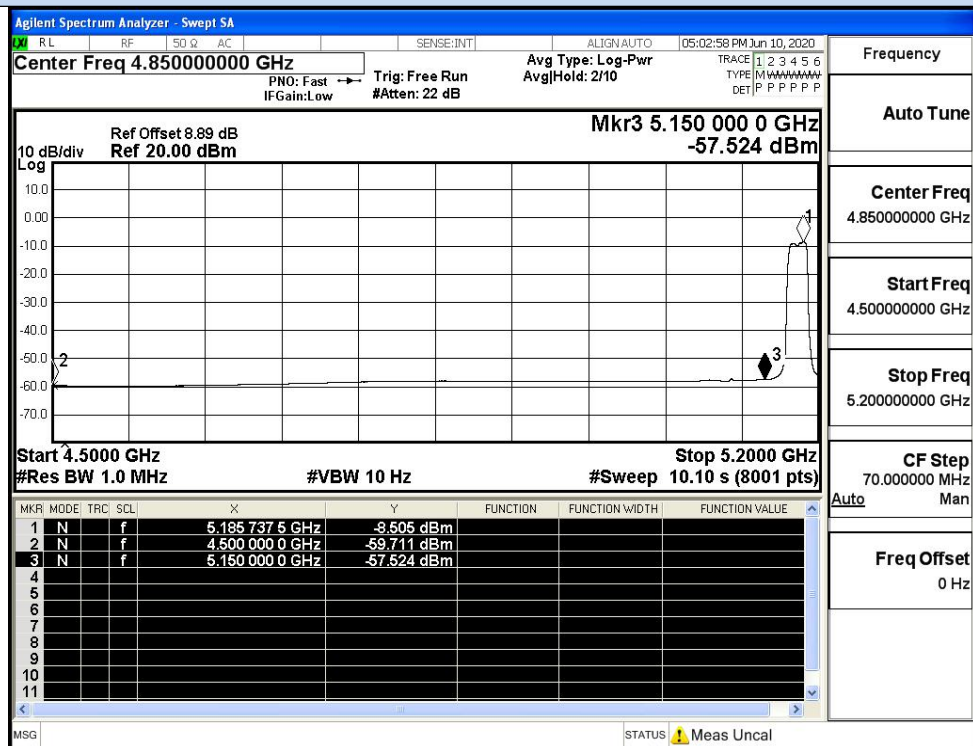
IEEE 802.11n40 / Channel 46 / 5230MHz / Peak



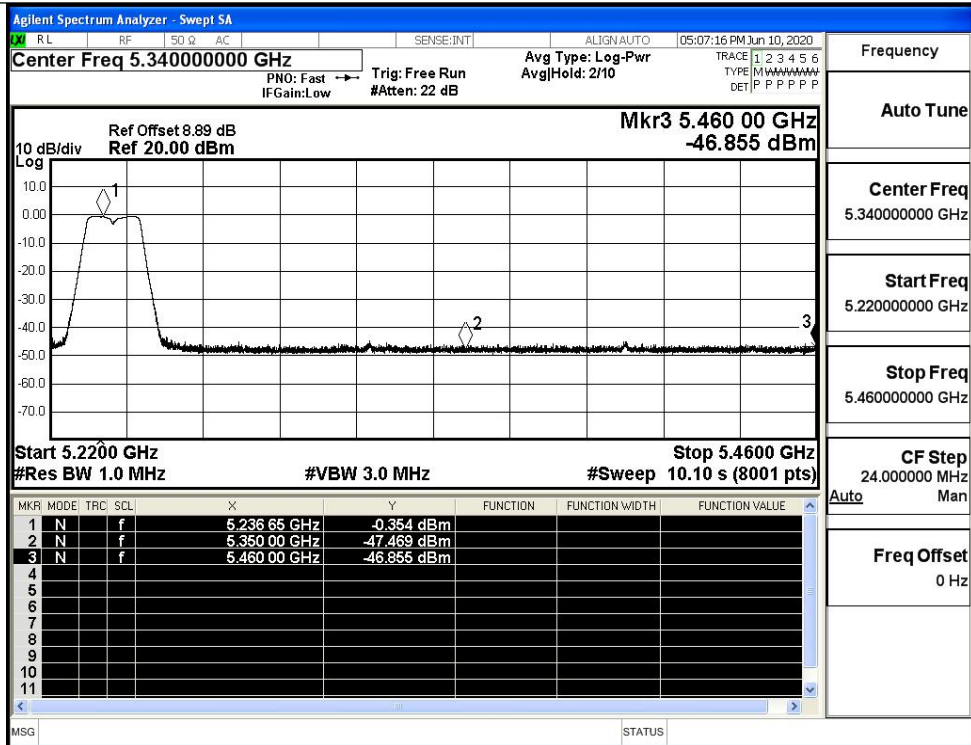
IEEE 802.11n40 / Channel 46 / 5230MHz / Average



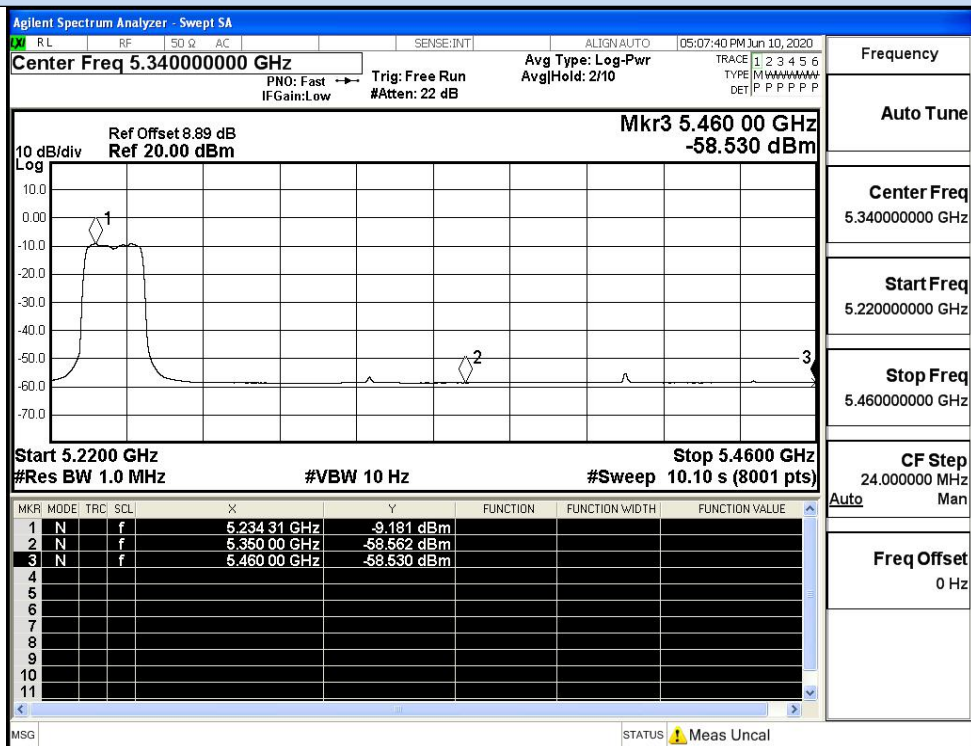
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



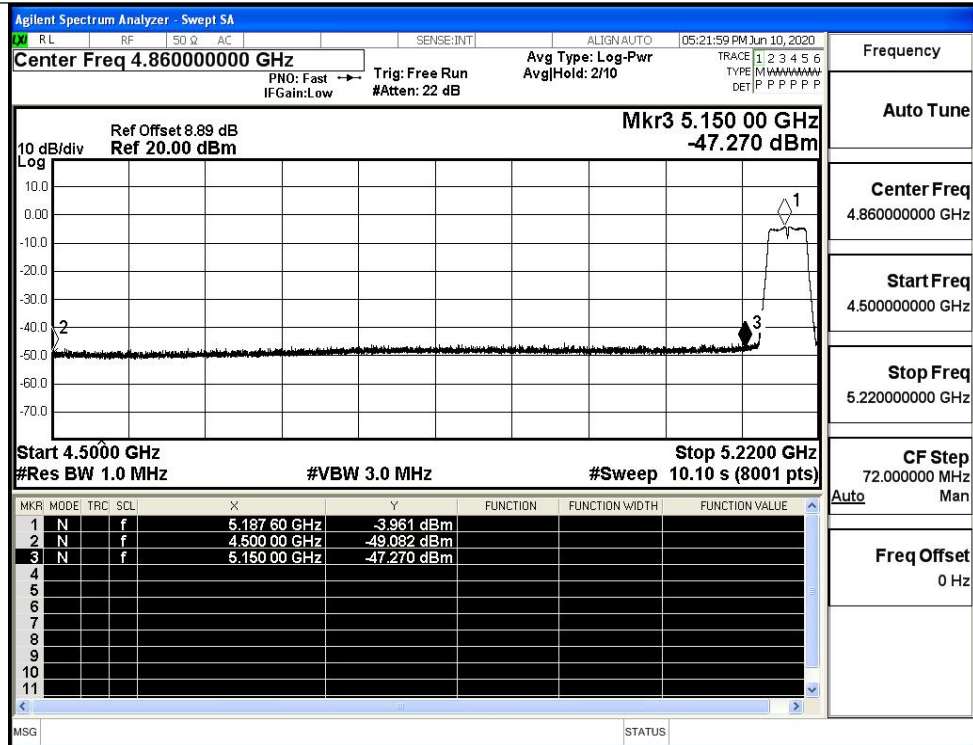
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



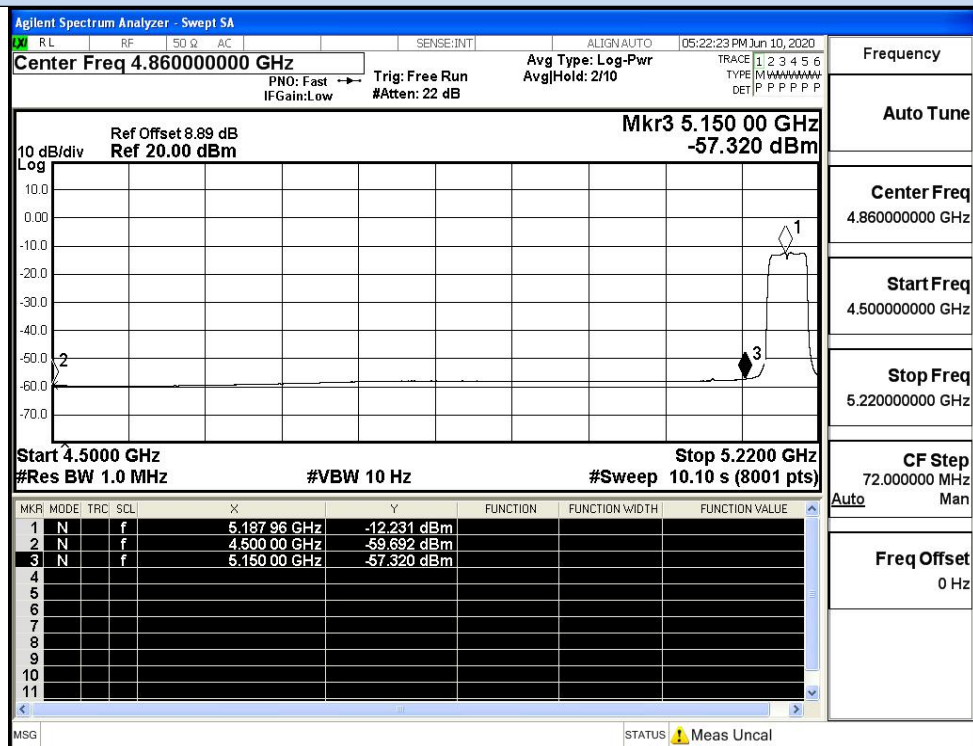
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



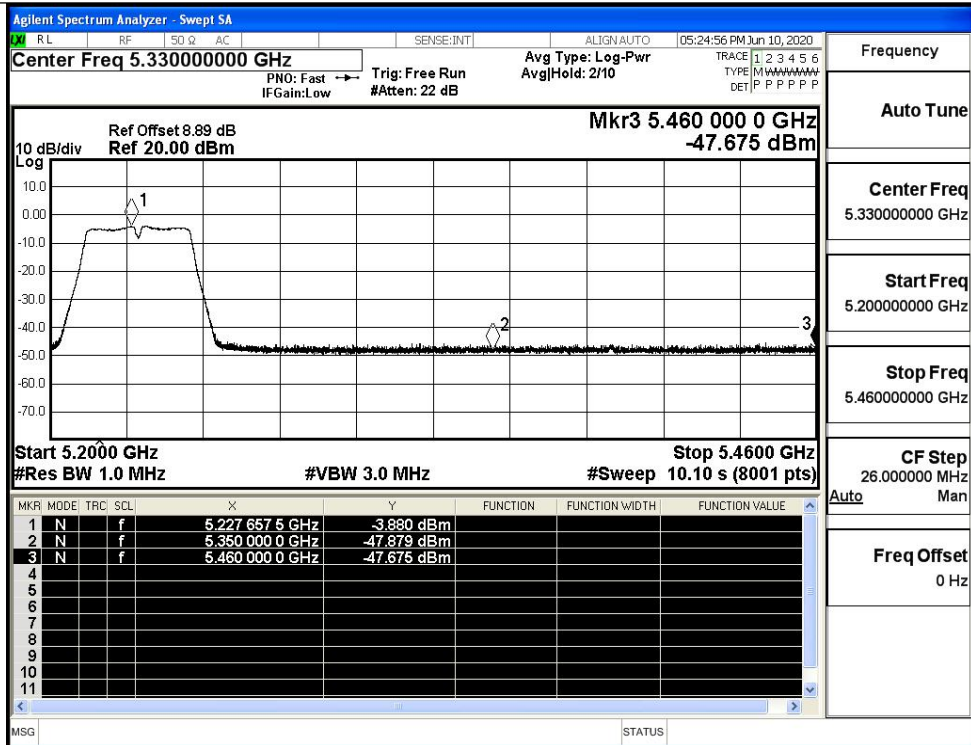
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



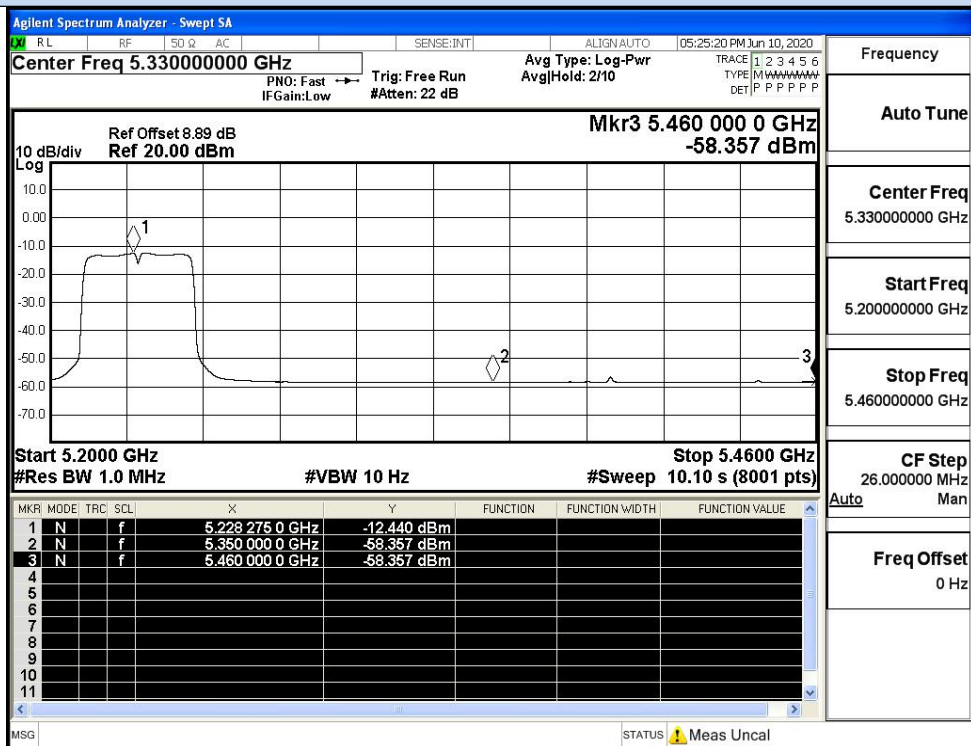
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak



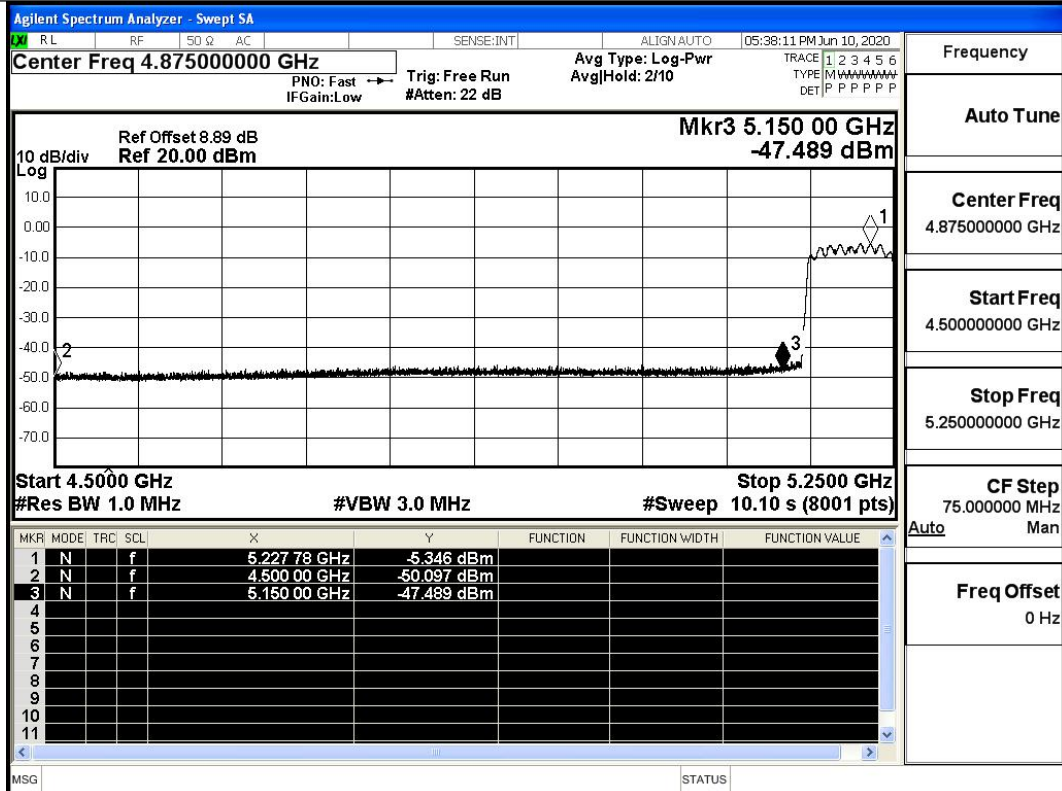
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average



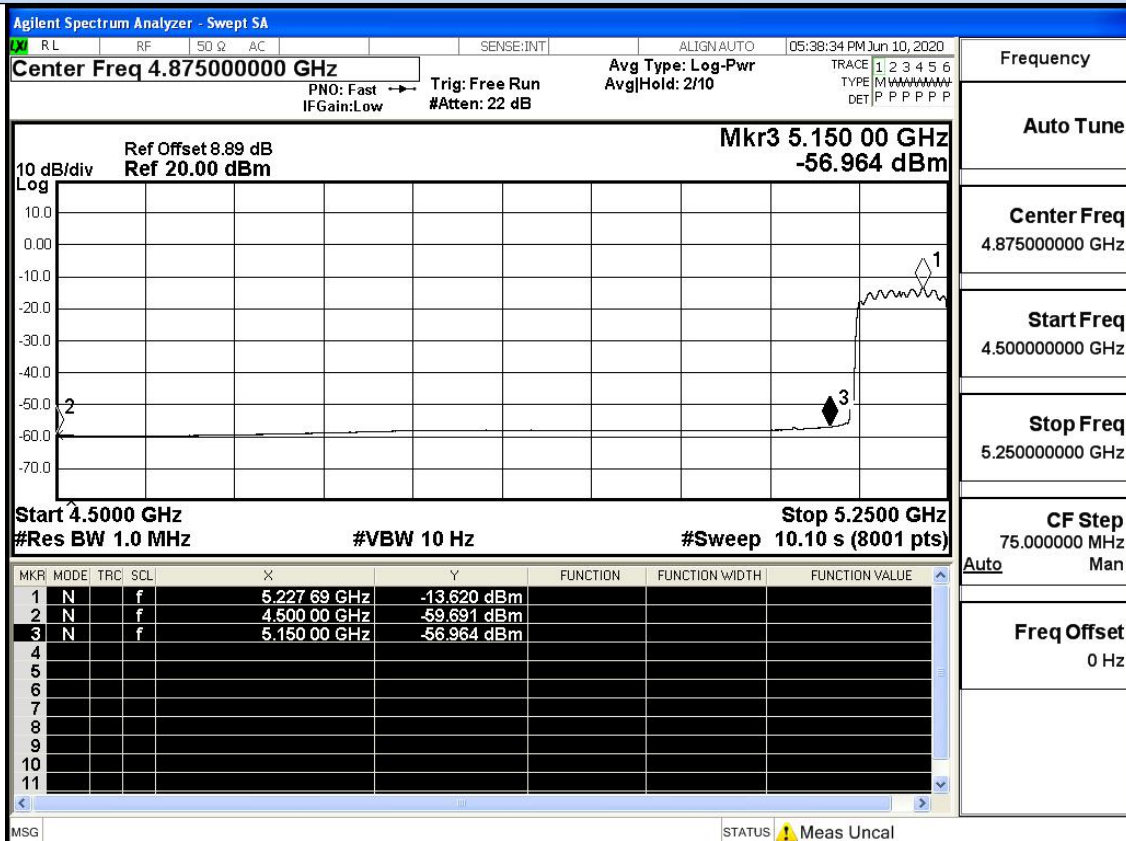
IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak



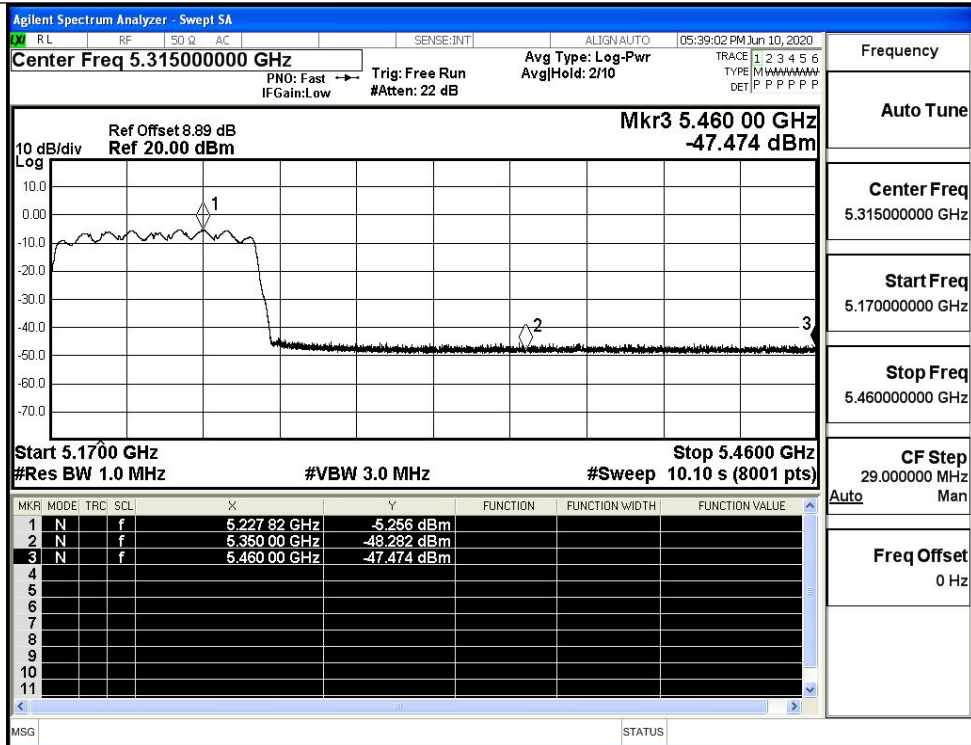
IEEE 802.11ac40 / Channel 46 / 5230MHz / Average



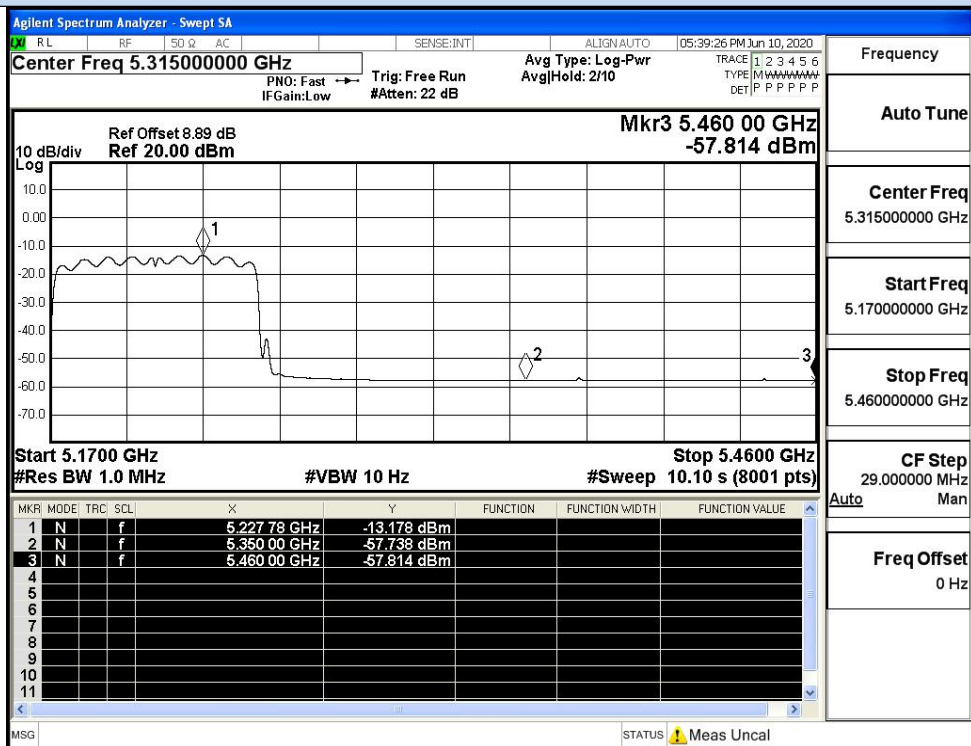
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average



IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average

Ant 0+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)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11N20 SISO	36	4500.0	-50.33	-50.21	-47.26	5.01	0	52.98	Peak	68.20	Pass
		4500.0	-60.44	-59.62	-57.00	5.01	0	43.24	Average	54.00	Pass
		5150.0	-47.49	-48.03	-44.74	5.01	0	55.50	Peak	68.20	Pass
		5150.0	-57.03	-57.28	-54.14	5.01	0	46.10	Average	54.00	Pass
	48	5350.0	-48.95	-47.62	-45.22	5.01	0	55.02	Peak	68.20	Pass
		5350.0	-59.26	-58.54	-55.87	5.01	0	44.37	Average	54.00	Pass
		5460.0	-48.98	-47.25	-45.02	5.01	0	55.22	Peak	68.20	Pass
		5460.0	-59.52	-58.55	-56.00	5.01	0	44.24	Average	54.00	Pass
11N40 SISO	38	4500.0	-50.41	-50.18	-47.28	5.01	0	52.96	Peak	68.20	Pass
		4500.0	-60.43	-59.68	-57.03	5.01	0	43.21	Average	54.00	Pass
		5150.0	-41.22	-47.14	-40.23	5.01	0	60.01	Peak	68.20	Pass
		5150.0	-55.85	-57.25	-53.48	5.01	0	46.76	Average	54.00	Pass
	46	5350.0	-48.15	-47.73	-44.92	5.01	0	55.32	Peak	68.20	Pass
		5350.0	-58.95	-58.39	-55.65	5.01	0	44.59	Average	54.00	Pass
		5460.0	-47.97	-48.90	-45.40	5.01	0	54.84	Peak	68.20	Pass
		5460.0	-59.22	-58.39	-55.77	5.01	0	44.47	Average	54.00	Pass
11AC20 SISO	36	4500.0	-51.09	-50.39	-47.72	5.01	0	52.52	Peak	68.20	Pass
		4500.0	-60.39	-59.71	-57.03	5.01	0	43.21	Average	54.00	Pass
		5150.0	-43.17	-48.02	-41.94	5.01	0	58.30	Peak	68.20	Pass
		5150.0	-56.35	-57.52	-53.89	5.01	0	46.35	Average	54.00	Pass
	48	4500.0	-51.09	-50.39	-47.72	5.01	0	52.52	Peak	68.20	Pass
		4500.0	-60.39	-59.71	-57.03	5.01	0	43.21	Average	54.00	Pass
		5150.0	-43.17	-48.02	-41.94	5.01	0	58.30	Peak	68.20	Pass
		5150.0	-56.35	-57.52	-53.89	5.01	0	46.35	Average	54.00	Pass
11AC40 SISO	38	4500.0	-50.99	-49.08	-46.92	5.01	0	53.32	Peak	68.20	Pass
		4500.0	-60.37	-59.69	-57.01	5.01	0	43.23	Average	54.00	Pass
		5150.0	-40.01	-47.27	-39.26	5.01	0	60.98	Peak	68.20	Pass
		5150.0	-55.71	-57.32	-53.43	5.01	0	46.81	Average	54.00	Pass
	46	5350.0	-49.29	-47.88	-45.52	5.01	0	54.72	Peak	68.20	Pass
		5350.0	-58.87	-58.36	-55.60	5.01	0	44.64	Average	54.00	Pass
		5460.0	-49.78	-47.68	-45.59	5.01	0	54.65	Peak	68.20	Pass
		5460.0	-59.16	-58.36	-55.73	5.01	0	44.51	Average	54.00	Pass
11AC80 SISO	42	4500.0	-48.43	-48.28	-45.34	5.01	0	54.90	Peak	68.20	Pass
		5150.0	-58.54	-57.74	-55.11	5.01	0	45.13	Average	54.00	Pass
		4500.0	-49.30	-47.47	-45.28	5.01	0	54.96	Peak	68.20	Pass
		5150.0	-58.77	-57.81	-55.25	5.01	0	44.99	Average	54.00	Pass
		5350.0	-48.43	-48.28	-45.34	5.01	0	54.90	Peak	68.20	Pass
		5460.0	-58.54	-57.74	-55.11	5.01	0	45.13	Average	54.00	Pass
		5350.0	-49.30	-47.47	-45.28	5.01	0	54.96	Peak	68.20	Pass
		5460.0	-58.77	-57.81	-55.25	5.01	0	44.99	Average	54.00	Pass

$E [dBuV/m] = \text{Power [dBm]} + \text{Gain} + \text{Ground Factor} + 95.23$

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 = $2\text{dBi} + 10 \log(2) = 5.01\text{dBi}$