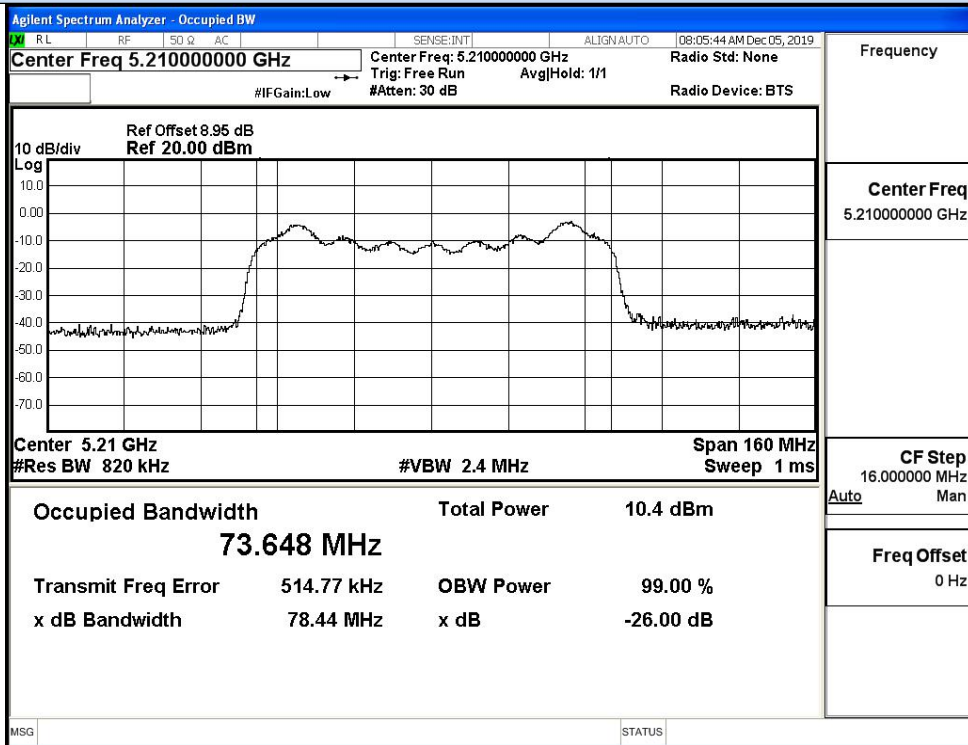


IEEE 802.11ac40 / Channel 46 / 5230MHz



IEEE 802.11ac80 / Channel 42 / 5210MHz

### B.5 Undesirable Emissions Measurement

#### Antenna 0

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11A	36	4500.0	-50.83	2.00	0	46.40	Peak	68.20	Pass
		4500.0	-60.19	2.00	0	37.04	Average	54.00	Pass
		5150.0	-39.40	2.00	0	57.83	Peak	68.20	Pass
		5150.0	-54.84	2.00	0	42.39	Average	54.00	Pass
	48	5350.0	-47.12	2.00	0	50.11	Peak	68.20	Pass
		5350.0	-57.54	2.00	0	39.69	Average	54.00	Pass
		5460.0	-48.32	2.00	0	48.91	Peak	68.20	Pass
		5460.0	-58.59	2.00	0	38.64	Average	54.00	Pass
11N2 0 SISO	36	4500.0	-49.86	2.00	0	47.37	Peak	68.20	Pass
		4500.0	-60.24	2.00	0	36.99	Average	54.00	Pass
		5150.0	-48.04	2.00	0	49.19	Peak	68.20	Pass
		5150.0	-56.74	2.00	0	40.49	Average	54.00	Pass
	48	5350.0	-47.70	2.00	0	49.53	Peak	68.20	Pass
		5350.0	-57.75	2.00	0	39.48	Average	54.00	Pass
		5460.0	-48.42	2.00	0	48.81	Peak	68.20	Pass
		5460.0	-58.70	2.00	0	38.53	Average	54.00	Pass
11N4 0 SISO	38	4500.0	-50.26	2.00	0	46.97	Peak	68.20	Pass
		4500.0	-60.25	2.00	0	36.98	Average	54.00	Pass
		5150.0	-39.68	2.00	0	57.55	Peak	68.20	Pass
		5150.0	-53.01	2.00	0	44.22	Average	54.00	Pass
	46	5350.0	-47.43	2.00	0	49.80	Peak	68.20	Pass
		5350.0	-57.69	2.00	0	39.54	Average	54.00	Pass
		5460.0	-48.64	2.00	0	48.59	Peak	68.20	Pass
		5460.0	-58.45	2.00	0	38.78	Average	54.00	Pass
11AC 20 SISO	36	4500.0	-50.02	2.00	0	47.21	Peak	68.20	Pass
		4500.0	-60.27	2.00	0	36.96	Average	54.00	Pass
		5150.0	-46.57	2.00	0	50.66	Peak	68.20	Pass
		5150.0	-56.21	2.00	0	41.02	Average	54.00	Pass
	48	4500.0	-50.02	2.00	0	47.21	Peak	68.20	Pass
		4500.0	-60.27	2.00	0	36.96	Average	54.00	Pass
		5150.0	-46.57	2.00	0	50.66	Peak	68.20	Pass
		5150.0	-56.21	2.00	0	41.02	Average	54.00	Pass
11AC 40 SISO	38	4500.0	-49.55	2.00	0	47.68	Peak	68.20	Pass
		4500.0	-60.21	2.00	0	37.02	Average	54.00	Pass
		5150.0	-35.66	2.00	0	61.57	Peak	68.20	Pass
		5150.0	-51.05	2.00	0	46.18	Average	54.00	Pass
	46	5350.0	-46.59	2.00	0	50.64	Peak	68.20	Pass
		5350.0	-57.53	2.00	0	39.70	Average	54.00	Pass
		5460.0	-48.80	2.00	0	48.43	Peak	68.20	Pass
		5460.0	-58.35	2.00	0	38.88	Average	54.00	Pass
11AC 80 SISO	42	4500.0	-46.60	2.00	0	50.63	Peak	68.20	Pass
		4500.0	-56.73	2.00	0	40.50	Average	54.00	Pass
		5150.0	-48.22	2.00	0	49.01	Peak	68.20	Pass
		5150.0	-58.05	2.00	0	39.18	Average	54.00	Pass
		5350.0	-46.60	2.00	0	50.63	Peak	68.20	Pass
		5350.0	-56.73	2.00	0	40.50	Average	54.00	Pass
		5460.0	-48.22	2.00	0	49.01	Peak	68.20	Pass
		5460.0	-58.05	2.00	0	39.18	Average	54.00	Pass

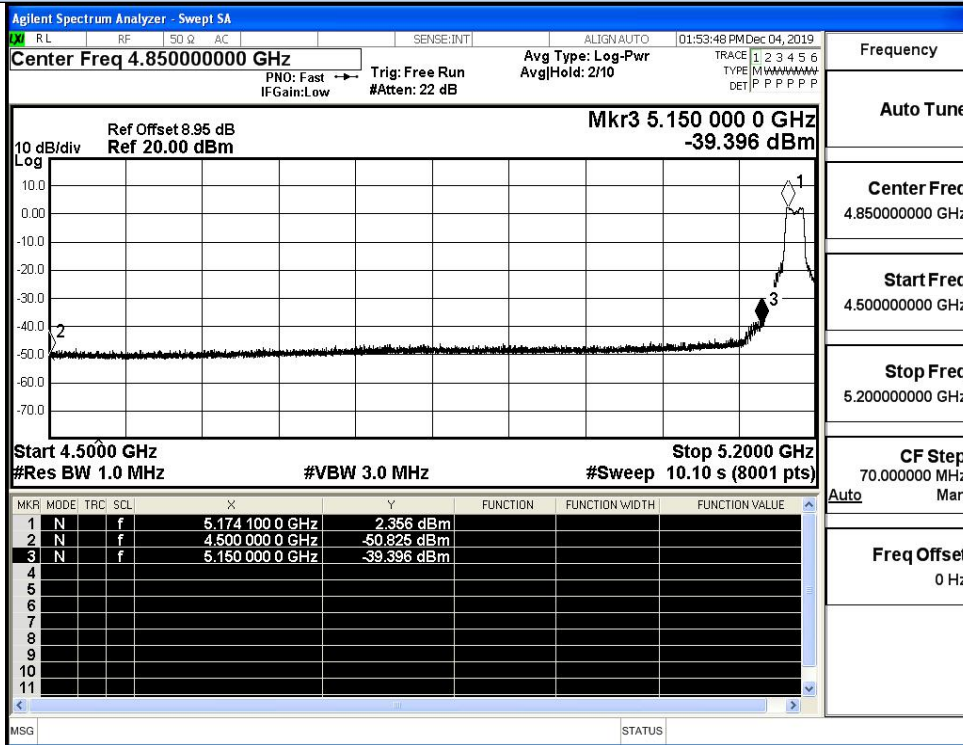
## Antenna 1

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
11A	36	4500.0	-50.85	2.00	0	46.38	Peak	68.20	Pass
		4500.0	-60.23	2.00	0	37.00	Average	54.00	Pass
		5150.0	-41.28	2.00	0	55.95	Peak	68.20	Pass
		5150.0	-55.40	2.00	0	41.83	Average	54.00	Pass
	48	5350.0	-45.63	2.00	0	51.60	Peak	68.20	Pass
		5350.0	-56.91	2.00	0	40.32	Average	54.00	Pass
		5460.0	-46.32	2.00	0	50.91	Peak	68.20	Pass
		5460.0	-58.11	2.00	0	39.12	Average	54.00	Pass
11N2 0 SISO	36	4500.0	-49.63	2.00	0	47.60	Peak	68.20	Pass
		4500.0	-60.22	2.00	0	37.01	Average	54.00	Pass
		5150.0	-47.96	2.00	0	49.27	Peak	68.20	Pass
		5150.0	-57.12	2.00	0	40.11	Average	54.00	Pass
	48	5350.0	-47.27	2.00	0	49.96	Peak	68.20	Pass
		5350.0	-57.16	2.00	0	40.07	Average	54.00	Pass
		5460.0	-47.83	2.00	0	49.40	Peak	68.20	Pass
		5460.0	-58.19	2.00	0	39.04	Average	54.00	Pass
11N4 0 SISO	38	4500.0	-50.32	2.00	0	46.91	Peak	68.20	Pass
		4500.0	-60.15	2.00	0	37.08	Average	54.00	Pass
		5150.0	-41.88	2.00	0	55.35	Peak	68.20	Pass
		5150.0	-54.23	2.00	0	43.00	Average	54.00	Pass
	46	5350.0	-46.76	2.00	0	50.47	Peak	68.20	Pass
		5350.0	-57.38	2.00	0	39.85	Average	54.00	Pass
		5460.0	-46.67	2.00	0	50.56	Peak	68.20	Pass
		5460.0	-58.06	2.00	0	39.17	Average	54.00	Pass
11AC 20 SISO	36	4500.0	-51.01	2.00	0	46.22	Peak	68.20	Pass
		4500.0	-60.15	2.00	0	37.08	Average	54.00	Pass
		5150.0	-47.91	2.00	0	49.32	Peak	68.20	Pass
		5150.0	-57.05	2.00	0	40.18	Average	54.00	Pass
	48	4500.0	-51.01	2.00	0	46.22	Peak	68.20	Pass
		4500.0	-60.15	2.00	0	37.08	Average	54.00	Pass
		5150.0	-47.91	2.00	0	49.32	Peak	68.20	Pass
		5150.0	-57.05	2.00	0	40.18	Average	54.00	Pass
11AC 40 SISO	38	4500.0	-49.54	2.00	0	47.69	Peak	68.20	Pass
		4500.0	-59.97	2.00	0	37.26	Average	54.00	Pass
		5150.0	-42.30	2.00	0	54.93	Peak	68.20	Pass
		5150.0	-54.28	2.00	0	42.95	Average	54.00	Pass
	46	5350.0	-47.08	2.00	0	50.15	Peak	68.20	Pass
		5350.0	-57.72	2.00	0	39.51	Average	54.00	Pass
		5460.0	-48.04	2.00	0	49.19	Peak	68.20	Pass
		5460.0	-58.80	2.00	0	38.43	Average	54.00	Pass
11AC 80 SISO	42	4500.0	-46.74	2.00	0	50.49	Peak	68.20	Pass
		4500.0	-57.63	2.00	0	39.60	Average	54.00	Pass
		5150.0	-47.90	2.00	0	49.33	Peak	68.20	Pass
		5150.0	-58.37	2.00	0	38.86	Average	54.00	Pass
		5350.0	-46.74	2.00	0	50.49	Peak	68.20	Pass
		5350.0	-57.63	2.00	0	39.60	Average	54.00	Pass
		5460.0	-47.90	2.00	0	49.33	Peak	68.20	Pass
		5460.0	-58.37	2.00	0	38.86	Average	54.00	Pass

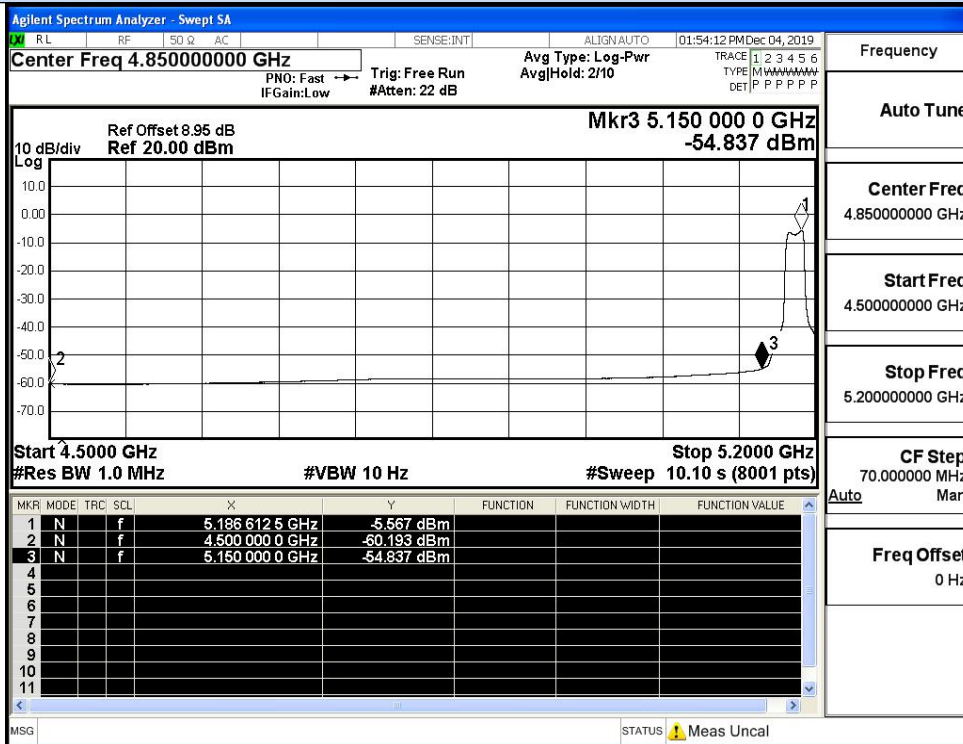
**Antenna 0+ Antenna 1**

Test Mode	Channel	Frequency (MHz)	Covert Radiated E Level At 3m (dBuV/m)			Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)
			Ant0	Ant1	Sum					
11N20 MIMO	36	4500.0	-49.86	-49.63	-46.73	5.01	0	53.50	Peak	68.20
		4500.0	-60.24	-60.22	-57.22	5.01	0	43.02	Average	54.00
		5150.0	-48.04	-47.96	-44.99	5.01	0	55.25	Peak	68.20
		5150.0	-56.74	-57.12	-53.92	5.01	0	46.32	Average	54.00
	48	5350.0	-47.70	-47.27	-44.47	5.01	0	55.77	Peak	68.20
		5350.0	-57.75	-57.16	-54.43	5.01	0	45.80	Average	54.00
		5460.0	-48.42	-47.83	-45.10	5.01	0	55.13	Peak	68.20
		5460.0	-58.70	-58.19	-55.43	5.01	0	44.81	Average	54.00
11N40 MIMO	38	4500.0	-50.26	-50.32	-47.28	5.01	0	52.96	Peak	68.20
		4500.0	-60.25	-60.15	-57.19	5.01	0	43.05	Average	54.00
		5150.0	-39.68	-41.88	-37.63	5.01	0	62.61	Peak	68.20
		5150.0	-53.01	-54.23	-50.57	5.01	0	49.67	Average	54.00
	46	5350.0	-47.43	-46.76	-44.07	5.01	0	56.17	Peak	68.20
		5350.0	-57.69	-57.38	-54.52	5.01	0	45.72	Average	54.00
		5460.0	-48.64	-46.67	-44.53	5.01	0	55.70	Peak	68.20
		5460.0	-58.45	-58.06	-55.24	5.01	0	45.00	Average	54.00
11AC20 MIMO	36	4500.0	-50.02	-51.01	-47.48	5.01	0	52.76	Peak	68.20
		4500.0	-60.27	-60.15	-57.20	5.01	0	43.04	Average	54.00
		5150.0	-46.57	-47.91	-44.18	5.01	0	56.06	Peak	68.20
		5150.0	-56.21	-57.05	-53.60	5.01	0	46.64	Average	54.00
	48	5350.0	-50.02	-51.01	-47.48	5.01	0	52.76	Peak	68.20
		5350.0	-60.27	-60.15	-57.20	5.01	0	43.04	Average	54.00
		5460.0	-46.57	-47.91	-44.18	5.01	0	56.06	Peak	68.20
		5460.0	-56.21	-57.05	-53.60	5.01	0	46.64	Average	54.00
11AC40 MIMO	38	4500.0	-49.55	-49.54	-46.53	5.01	0	53.70	Peak	68.20
		4500.0	-60.21	-59.97	-57.08	5.01	0	43.16	Average	54.00
		5150.0	-35.66	-42.30	-34.81	5.01	0	65.43	Peak	68.20
		5150.0	-51.05	-54.28	-49.36	5.01	0	50.88	Average	54.00
	46	5350.0	-46.59	-47.08	-43.82	5.01	0	56.42	Peak	68.20
		5350.0	-57.53	-57.72	-54.61	5.01	0	45.62	Average	54.00
		5460.0	-48.80	-48.04	-45.39	5.01	0	54.84	Peak	68.20
		5460.0	-58.35	-58.80	-55.56	5.01	0	44.68	Average	54.00
11AC80 MIMO	42	4500.0	-46.60	-46.74	-43.66	5.01	0	56.58	Peak	68.20
		4500.0	-56.73	-57.63	-54.15	5.01	0	46.09	Average	54.00
		5150.0	-48.22	-47.90	-45.05	5.01	0	55.19	Peak	68.20
		5150.0	-58.05	-58.37	-55.20	5.01	0	45.04	Average	54.00
		5350.0	-46.60	-46.74	-43.66	5.01	0	56.58	Peak	68.20
		5350.0	-56.73	-57.63	-54.15	5.01	0	46.09	Average	54.00
		5460.0	-48.22	-47.90	-45.05	5.01	0	55.19	Peak	68.20
		5460.0	-58.05	-58.37	-55.20	5.01	0	45.04	Average	54.00

Undesirable Emissions Measurement ANTO

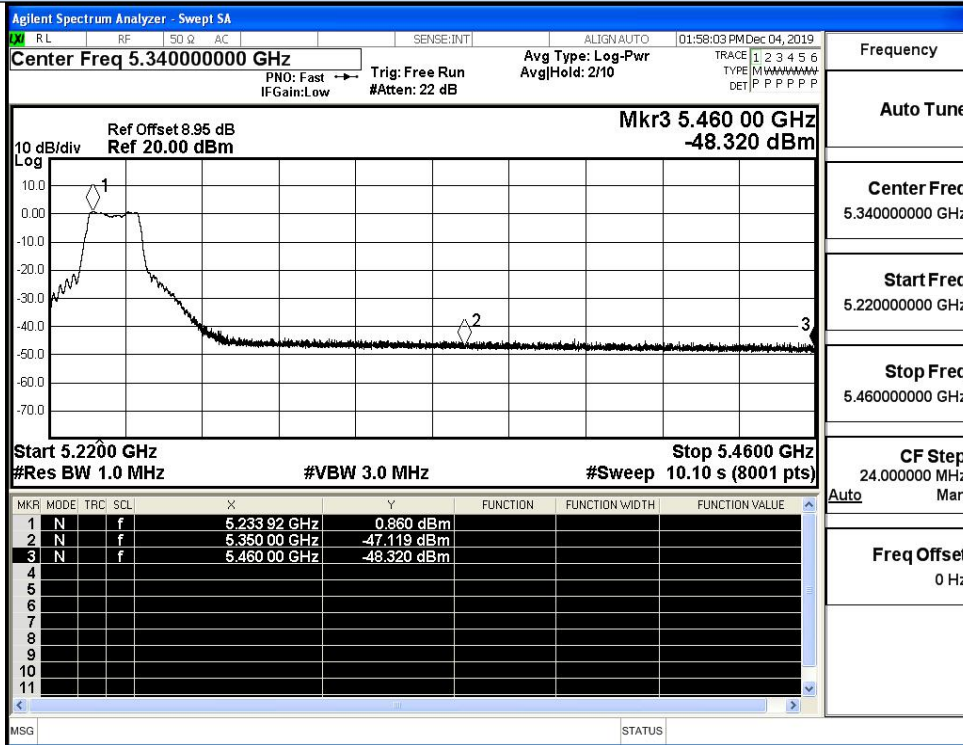


IEEE 802.11a / Channel 36 / 5180MHz / Peak

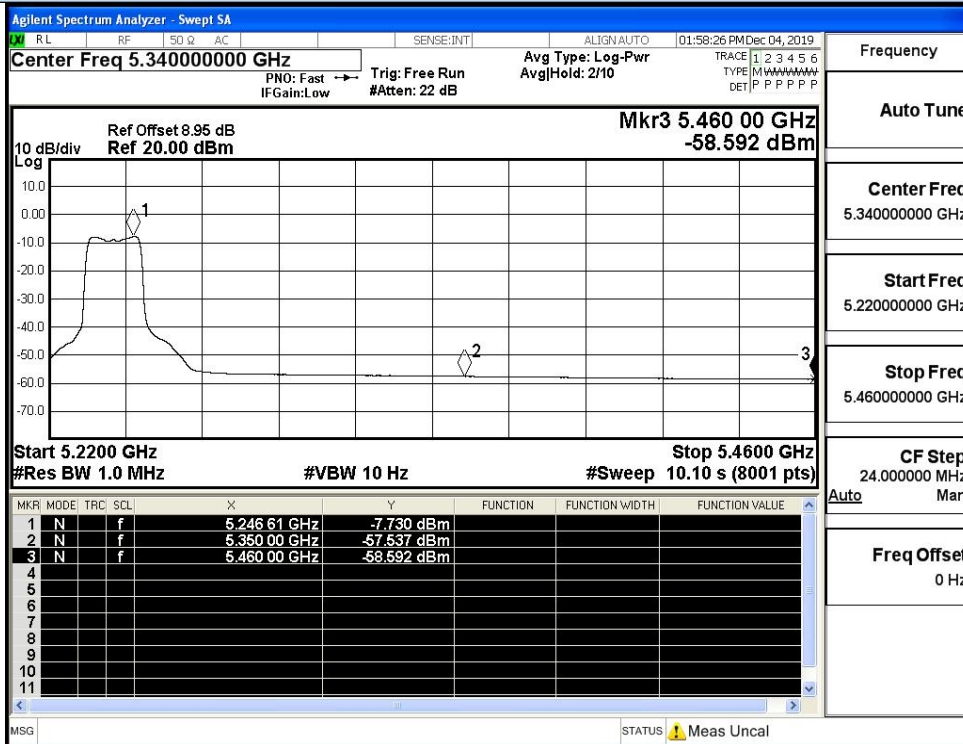


IEEE 802.11a / Channel 36 / 5180MHz / Average

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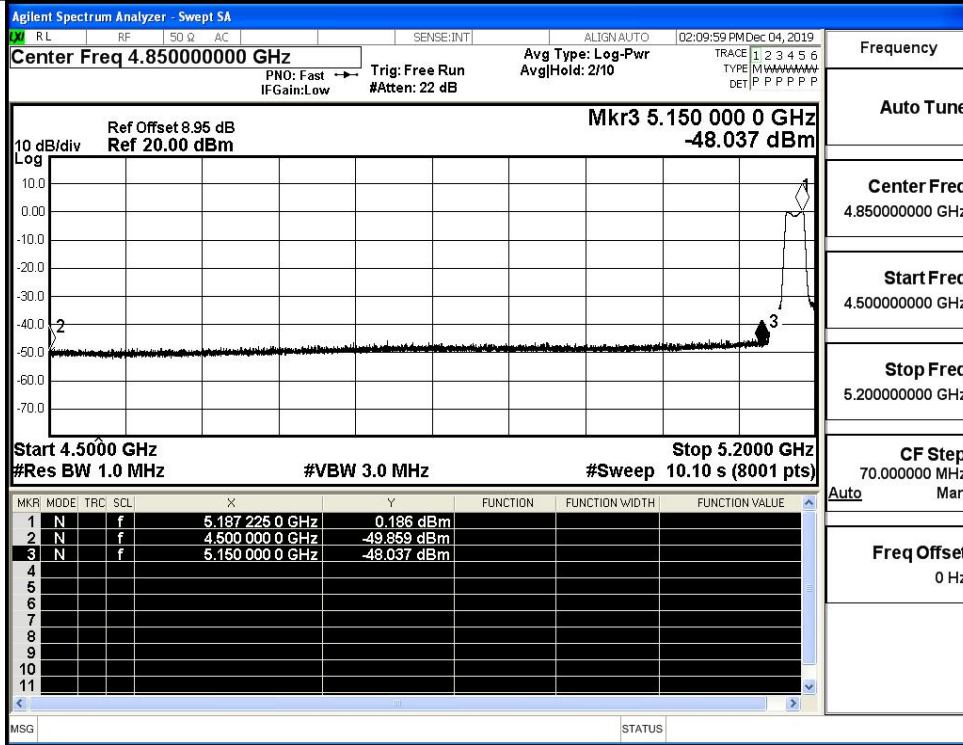


IEEE 802.11a / Channel 48 / 5240MHz / Peak

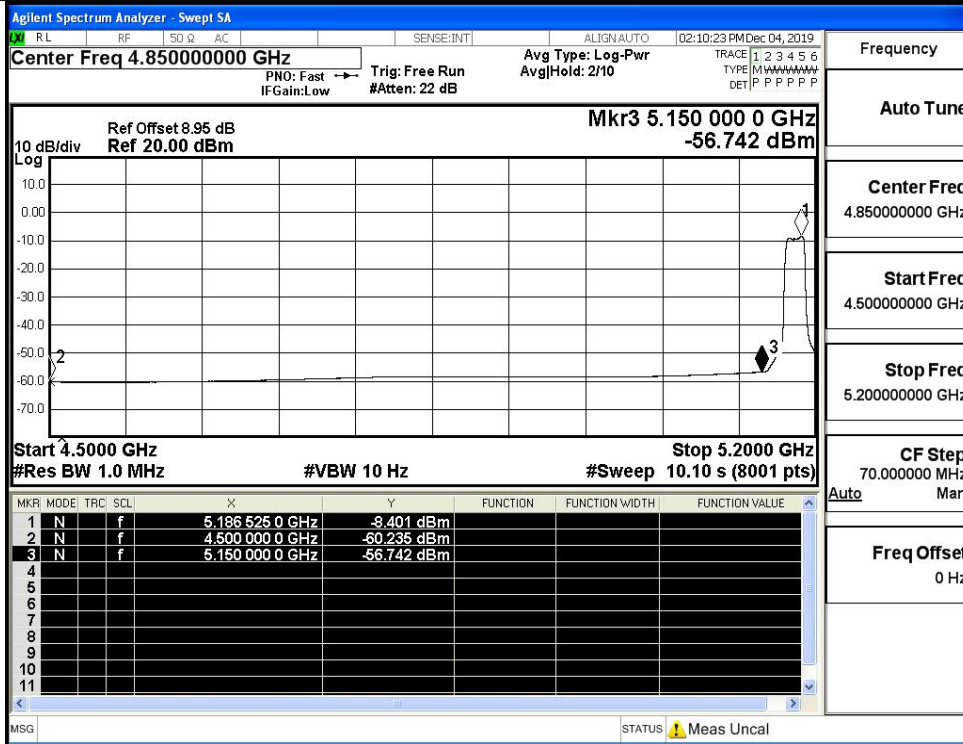


IEEE 802.11a / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

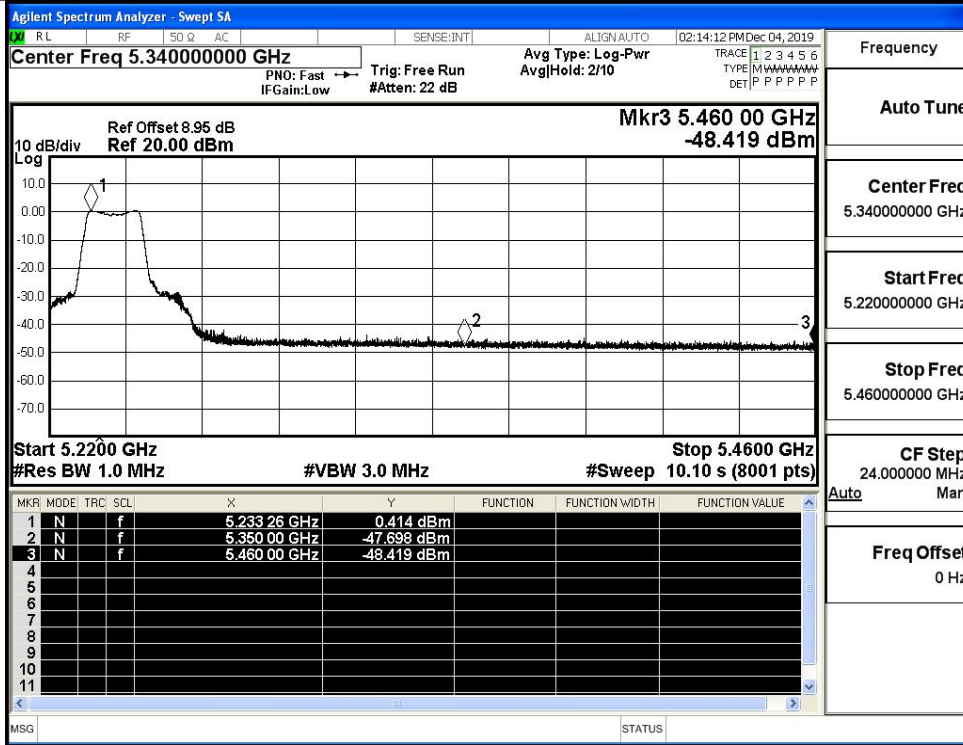


IEEE 802.11n20 / Channel 36 / 5180MHz / Peak

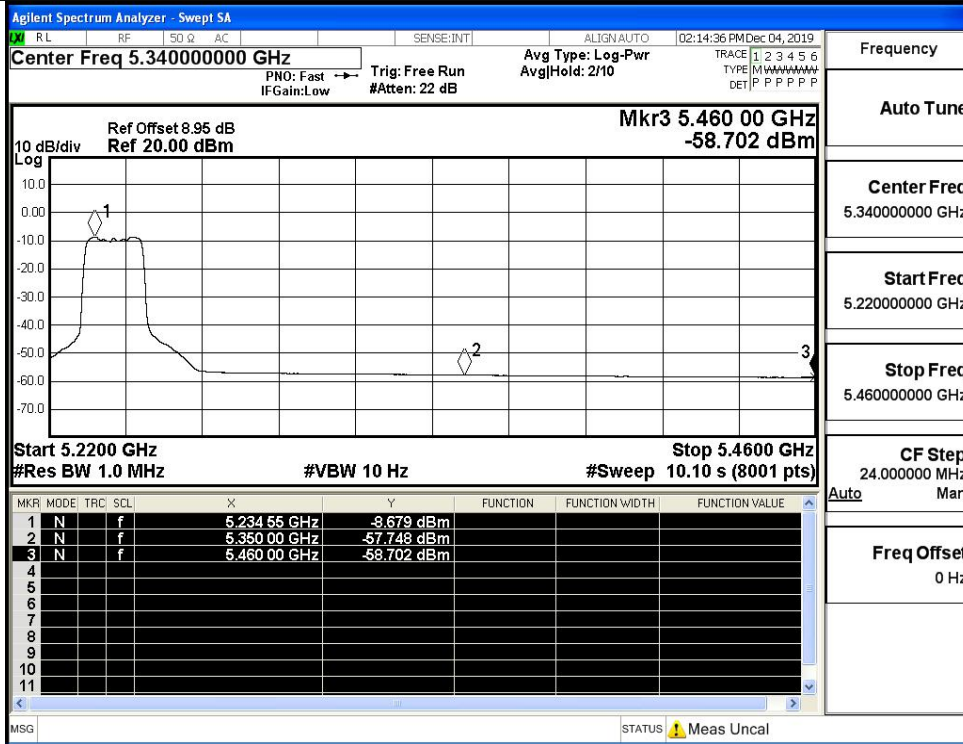


IEEE 802.11n20 / Channel 36 / 5180MHz / Average

Undesirable Emissions Measurement



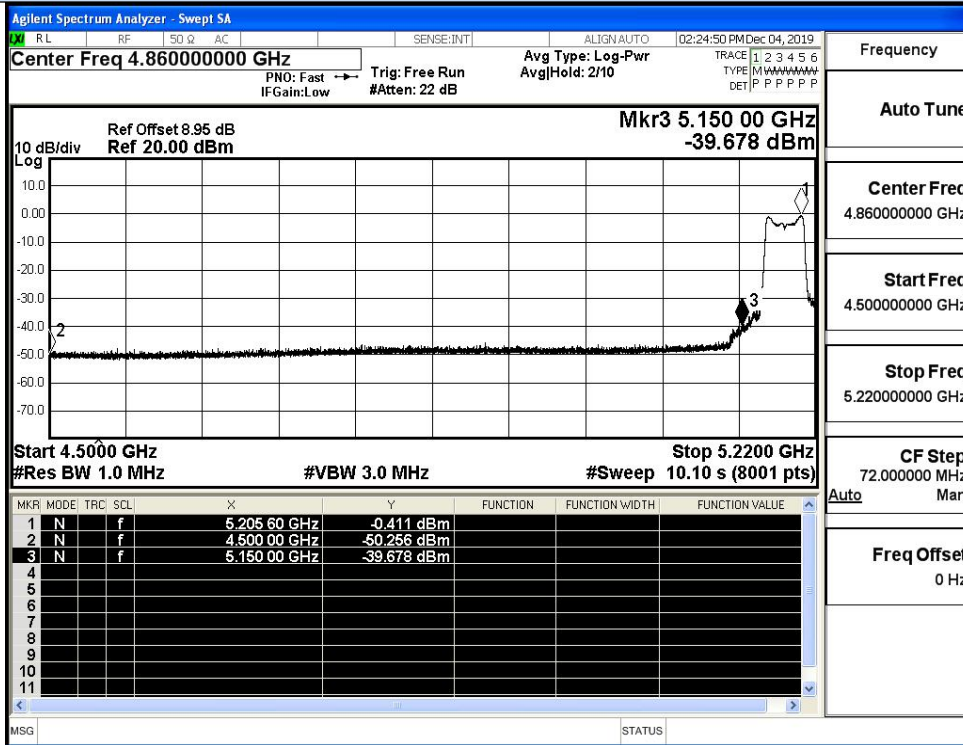
IEEE 802.11n20 / Channel 48 / 5240MHz / Peak



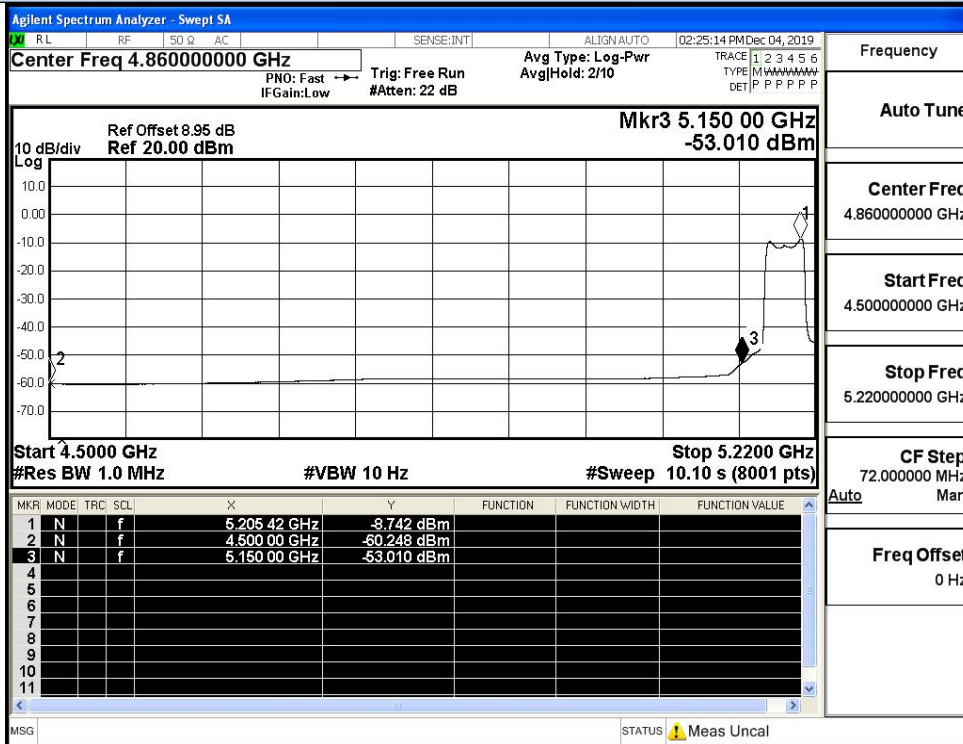
IEEE 802.11n20 / Channel 48 / 5240MHz / Average



Undesirable Emissions Measurement

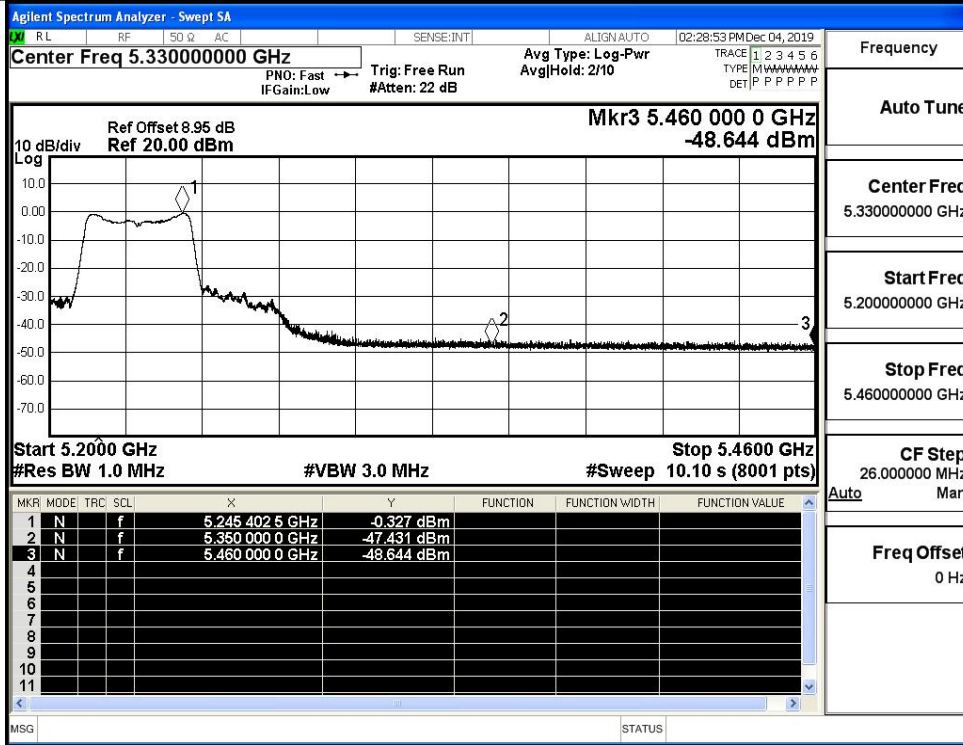


IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

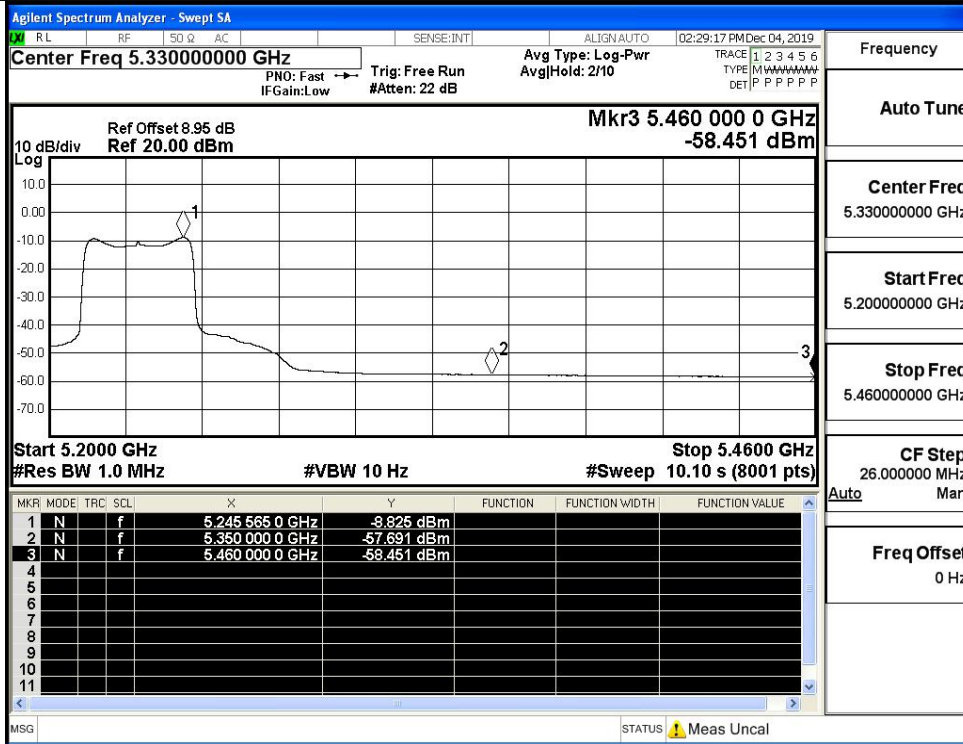


IEEE 802.11n40 / Channel 38 / 5190MHz / Average

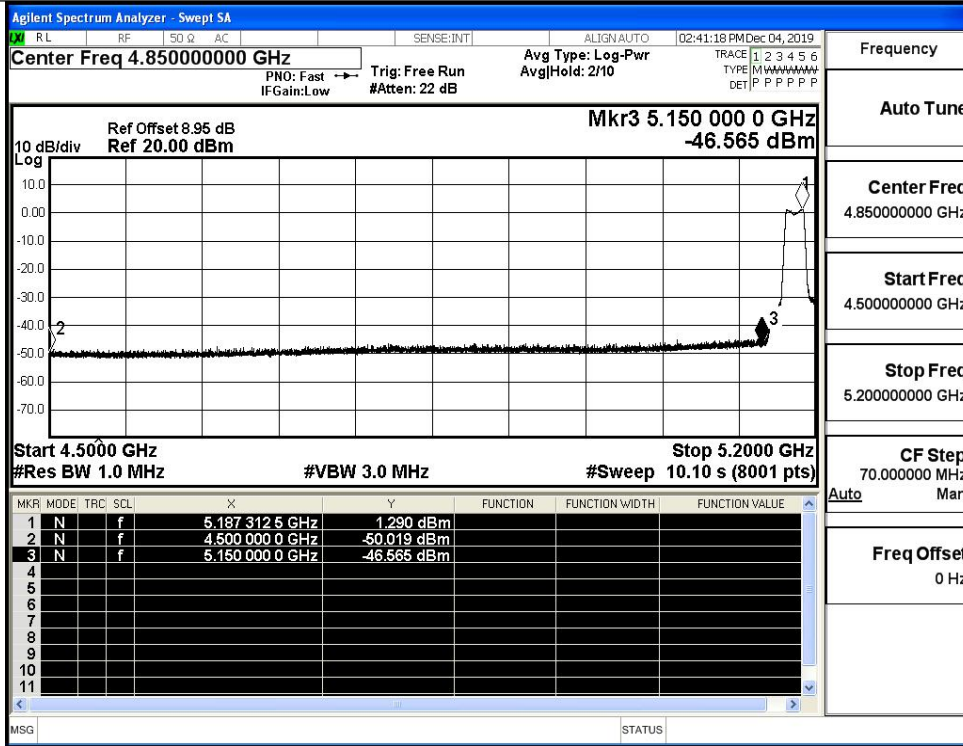
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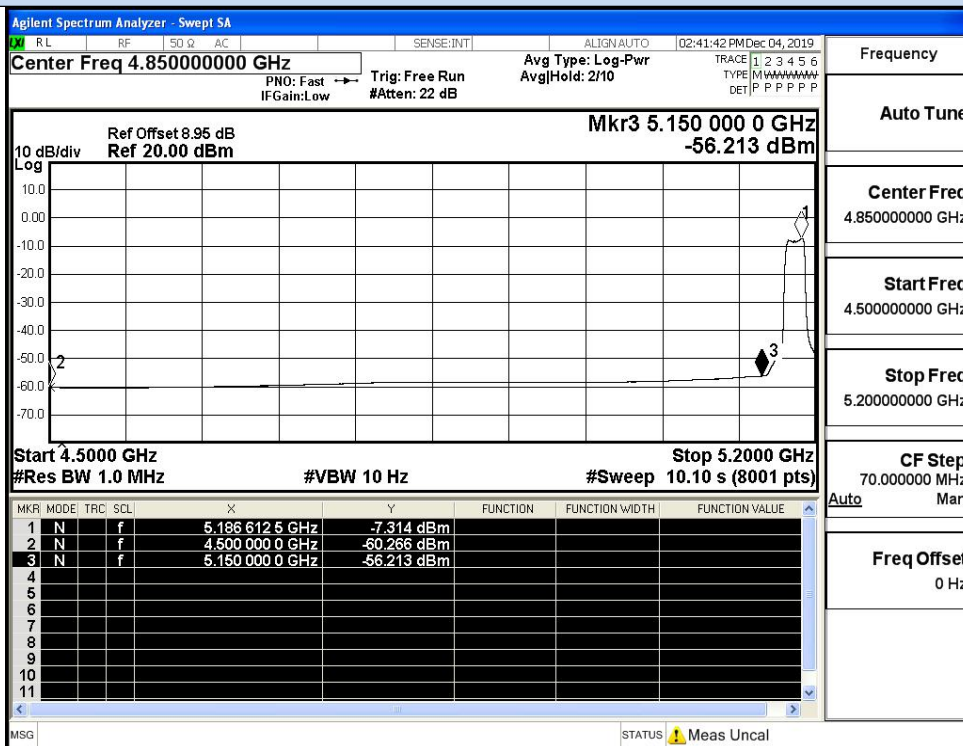
IEEE 802.11n40 / Channel 46 / 5230MHz / Peak



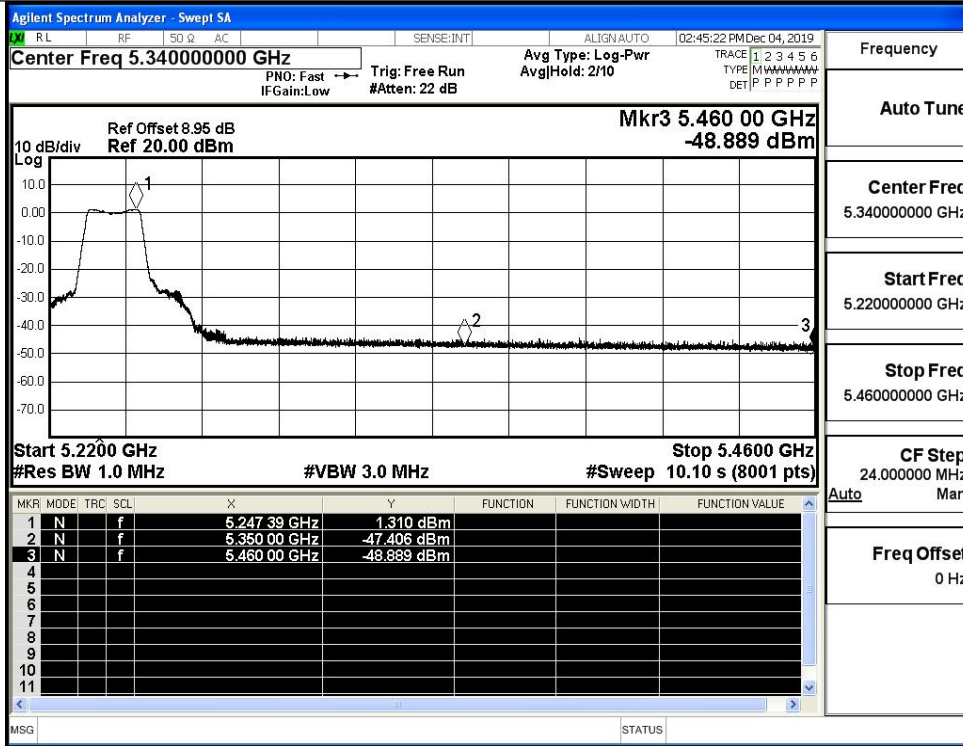
IEEE 802.11n40 / Channel 46 / 5230MHz / Average



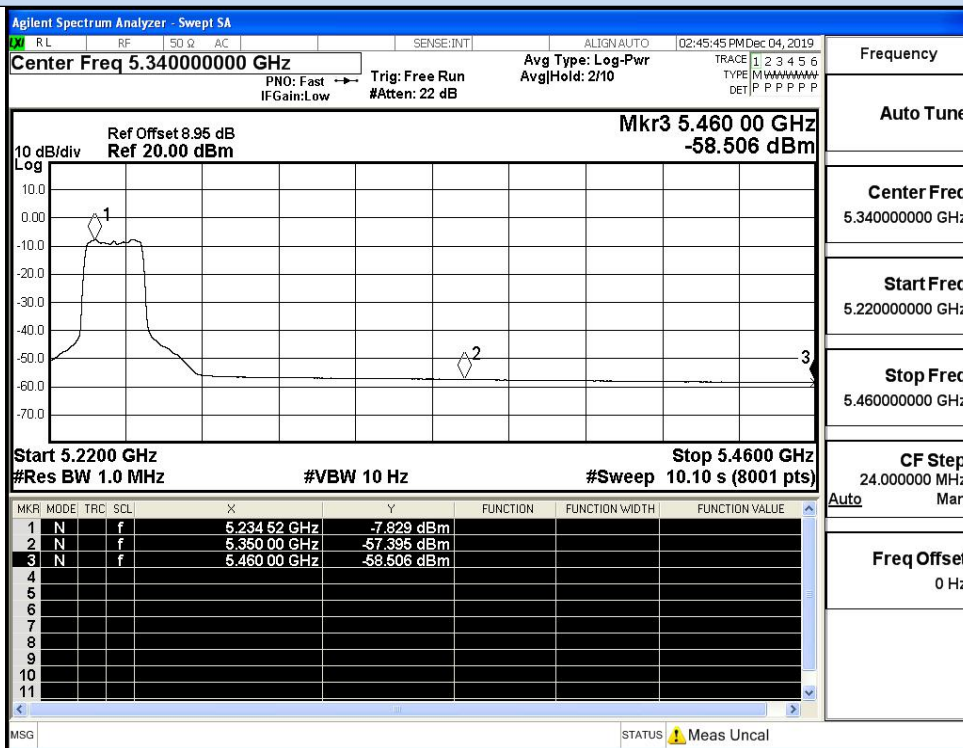
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



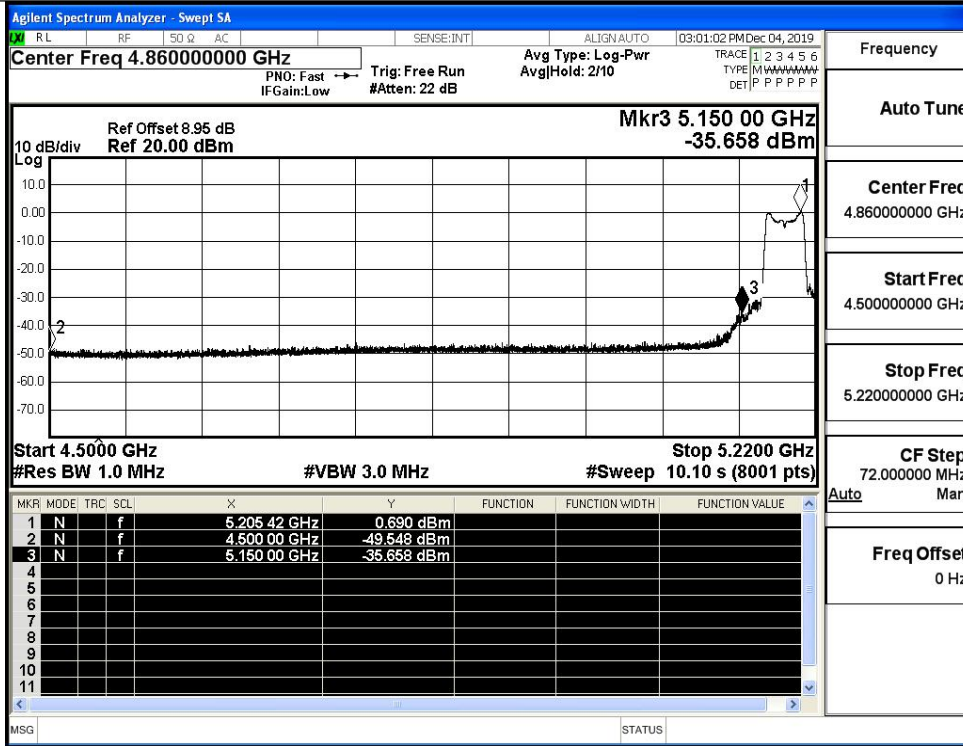
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



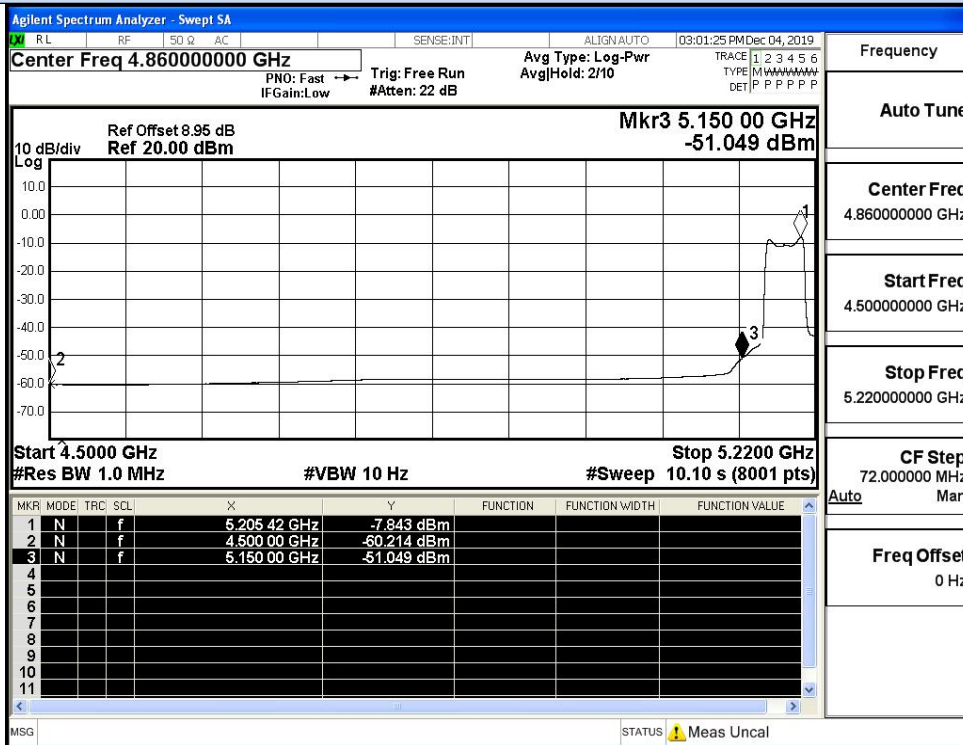
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



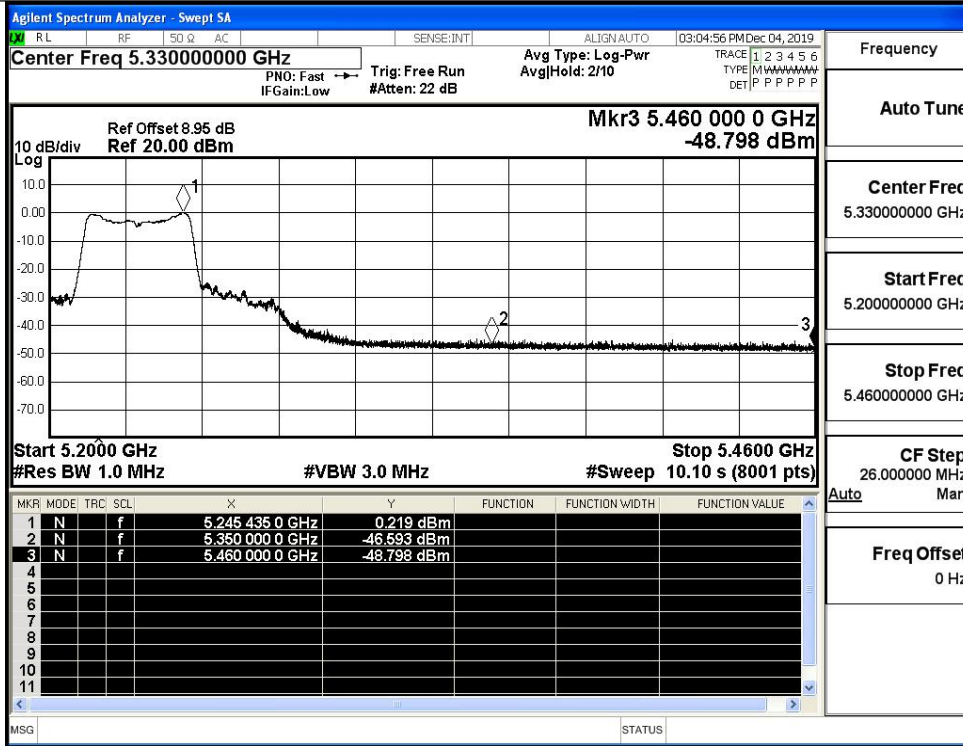
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



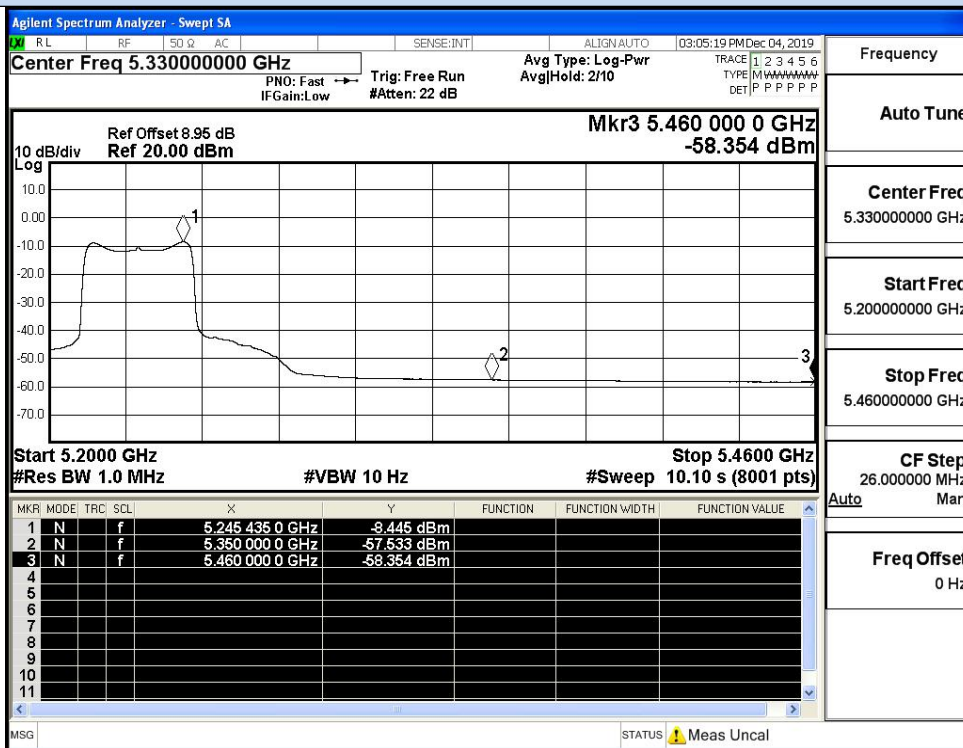
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak



IEEE 802.11ac40 / Channel 38 / 5190MHz / Average



IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak



IEEE 802.11ac40 / Channel 46 / 5230MHz / Average