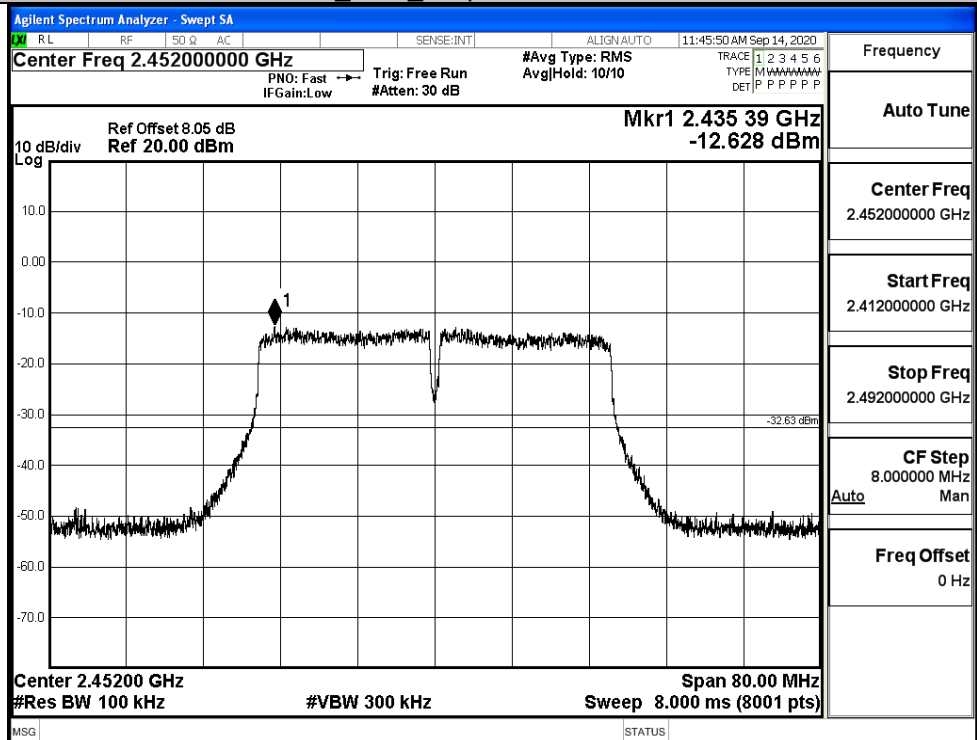
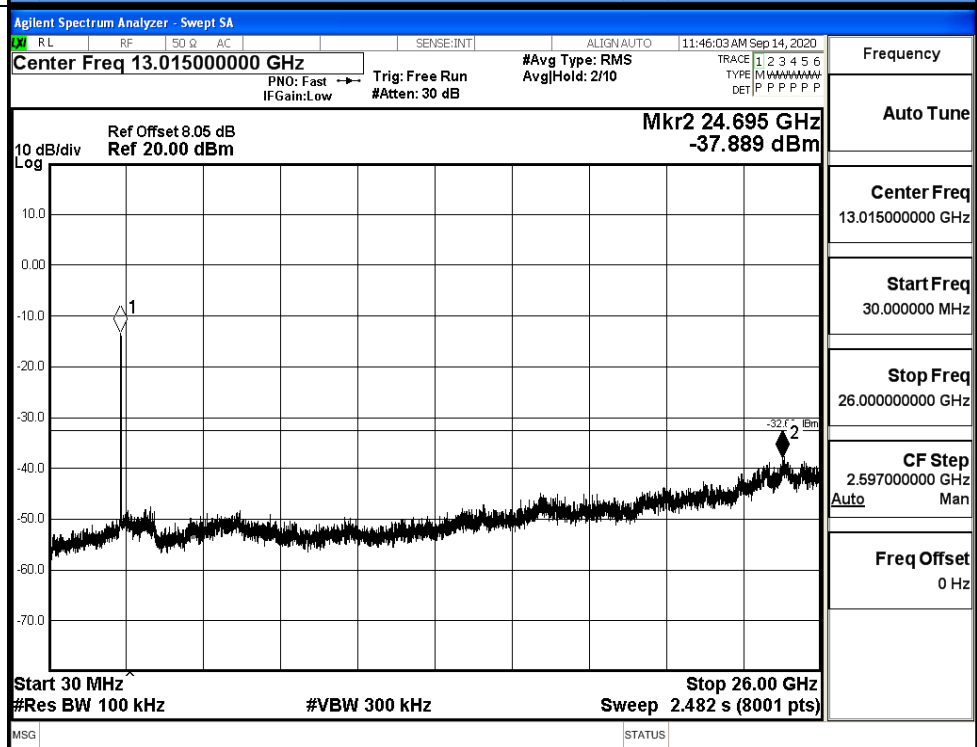


11N40 HCH Graphs

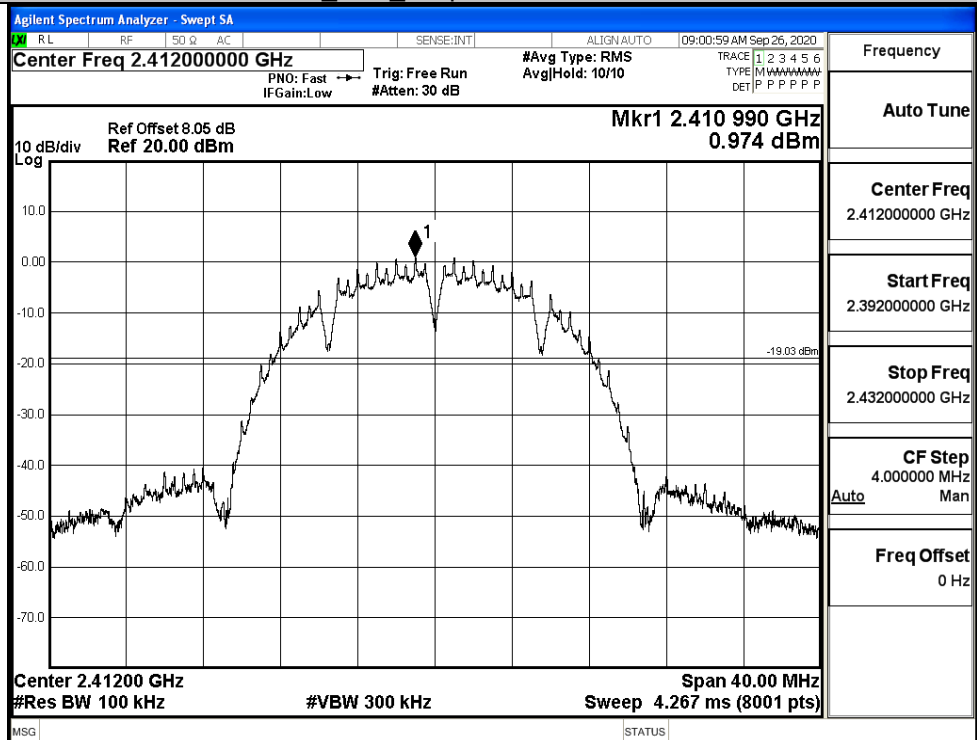
Pref/11N40
/HCHPuW/11N40
/HCH

ANT 1

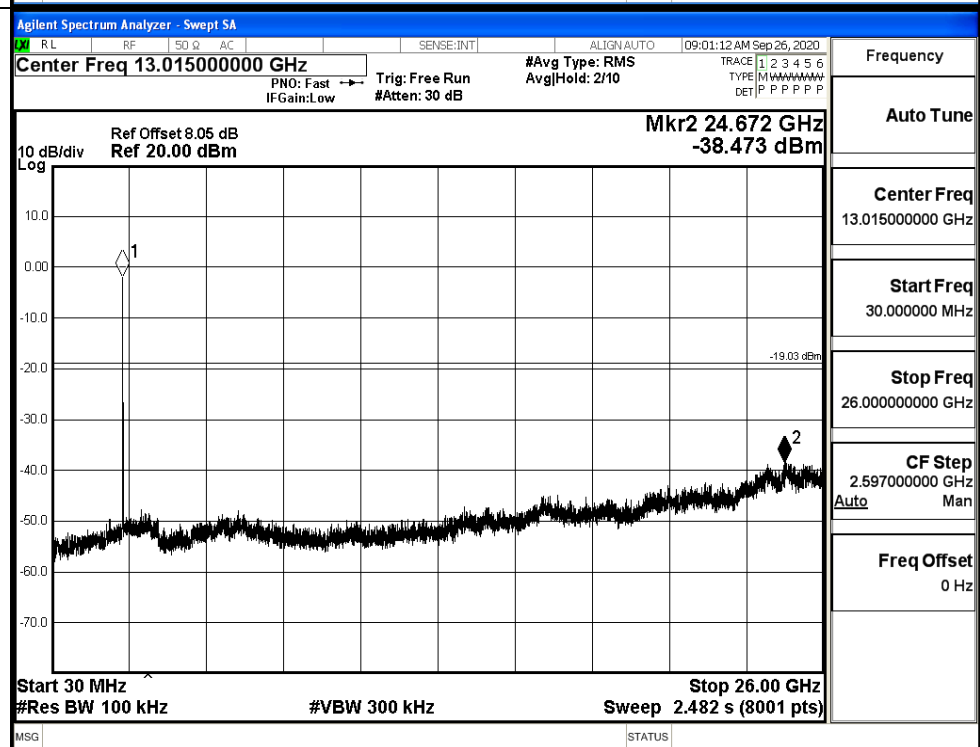
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.974	-38.473	-19.026	PASS
	MCH	-1.047	-38.095	-21.047	PASS
	HCH	-1.555	-38.227	-21.555	PASS
11G	LCH	-5.101	-38.013	-25.101	PASS
	MCH	-7.494	-38.043	-27.494	PASS
	HCH	-9.311	-37.560	-29.311	PASS
11N20	LCH	-7.11	-37.551	-27.110	PASS
	MCH	-7.705	-38.204	-27.705	PASS
	HCH	-8.997	-38.450	-28.997	PASS
11N40	LCH	-10.111	-38.016	-30.111	PASS
	MCH	-11.193	-38.241	-31.193	PASS
	HCH	-10.58	-37.973	-30.580	PASS

11B LCH Graphs

Pref/11B/LCH

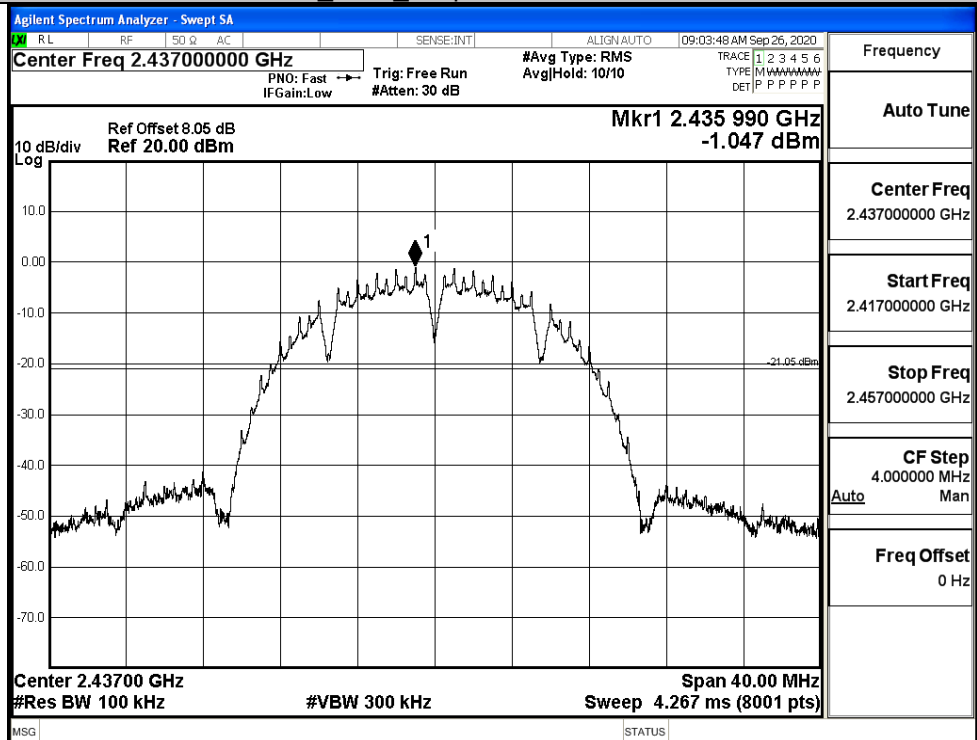


Puw/11B/LCH

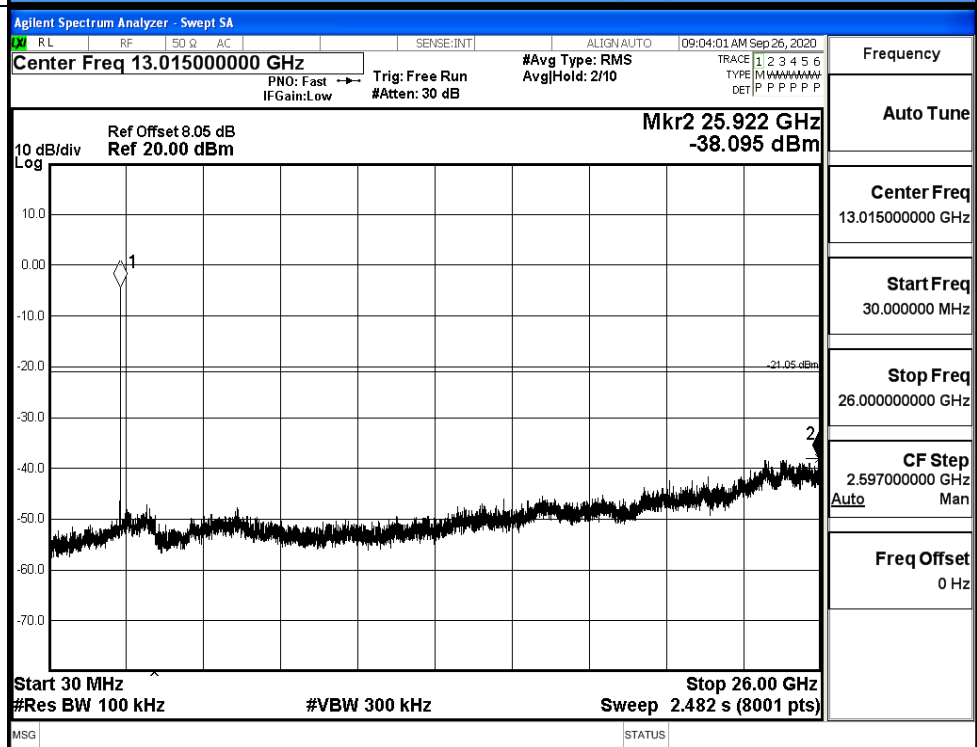


11B MCH Graphs

Pref/11B/MCH

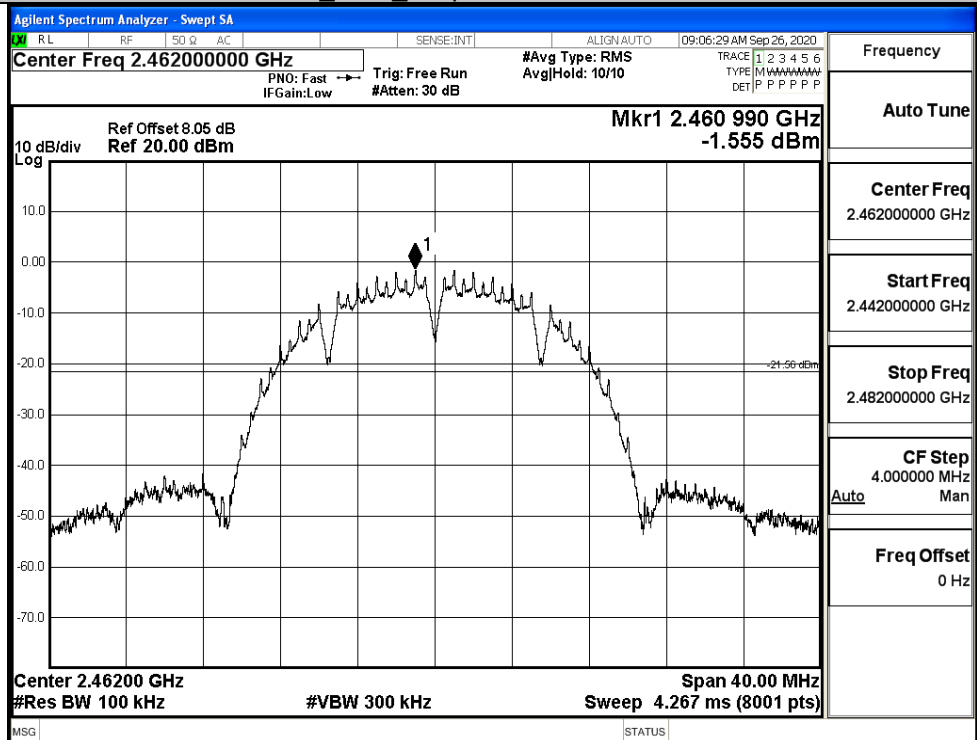


Puw/11B/MCH

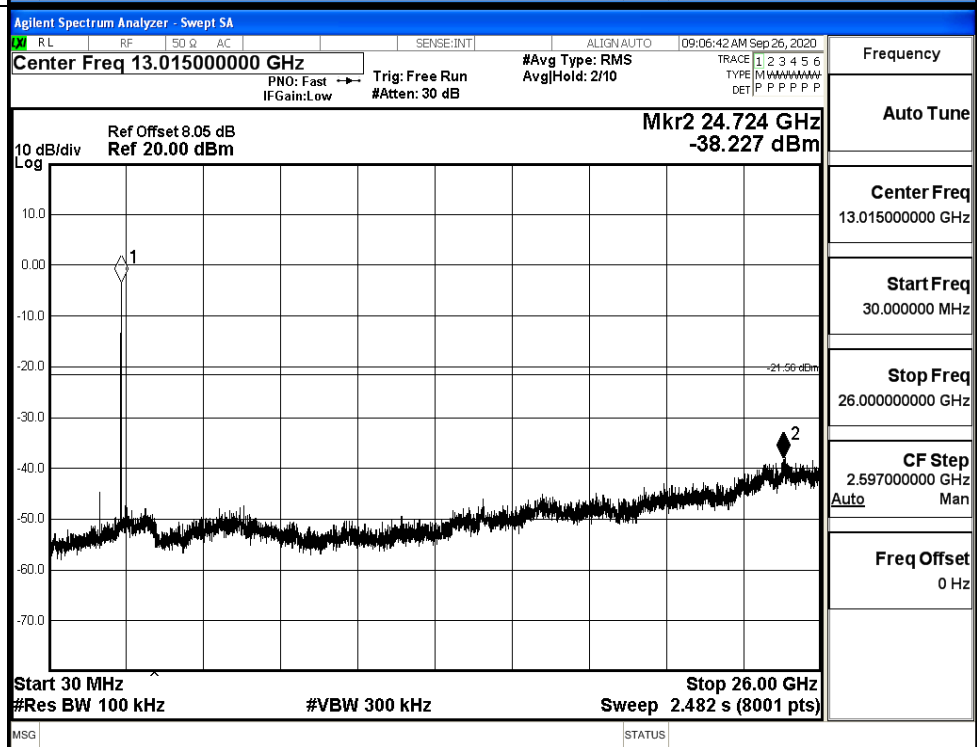


11B HCH Graphs

Pref/11B/HCH

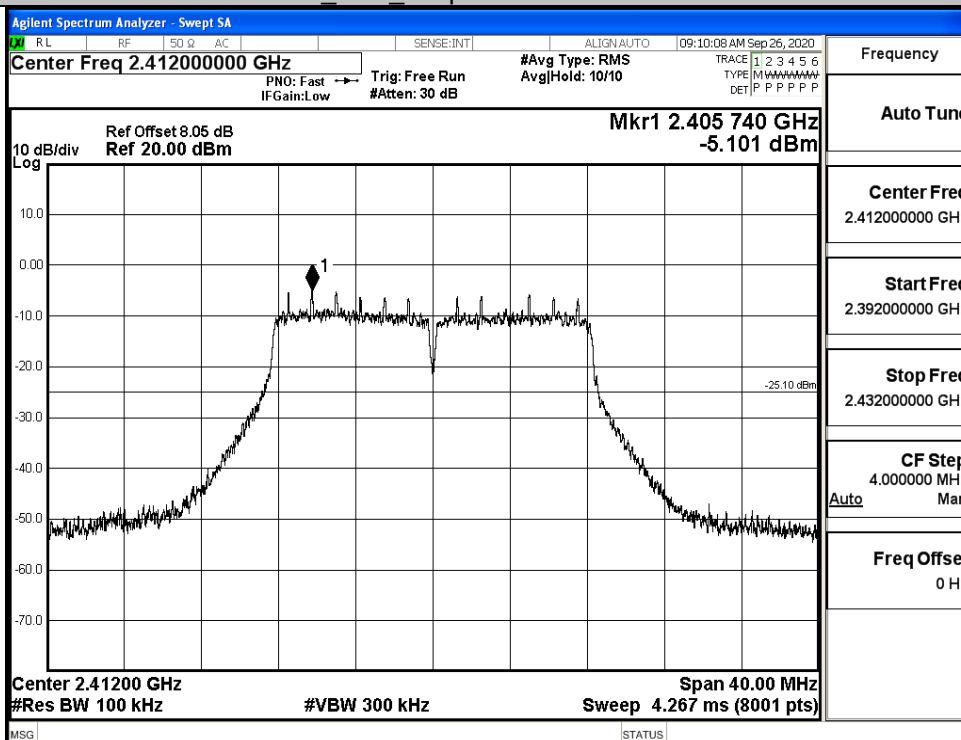


Puw/11B/HCH

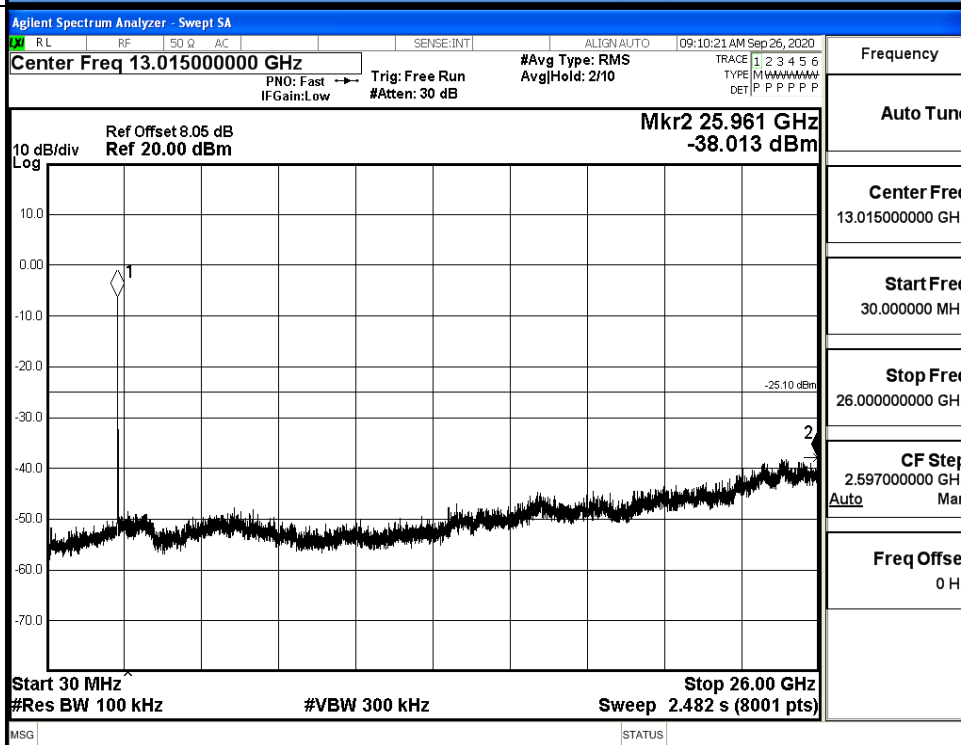


11G LCH Graphs

Pref/11G/LCH

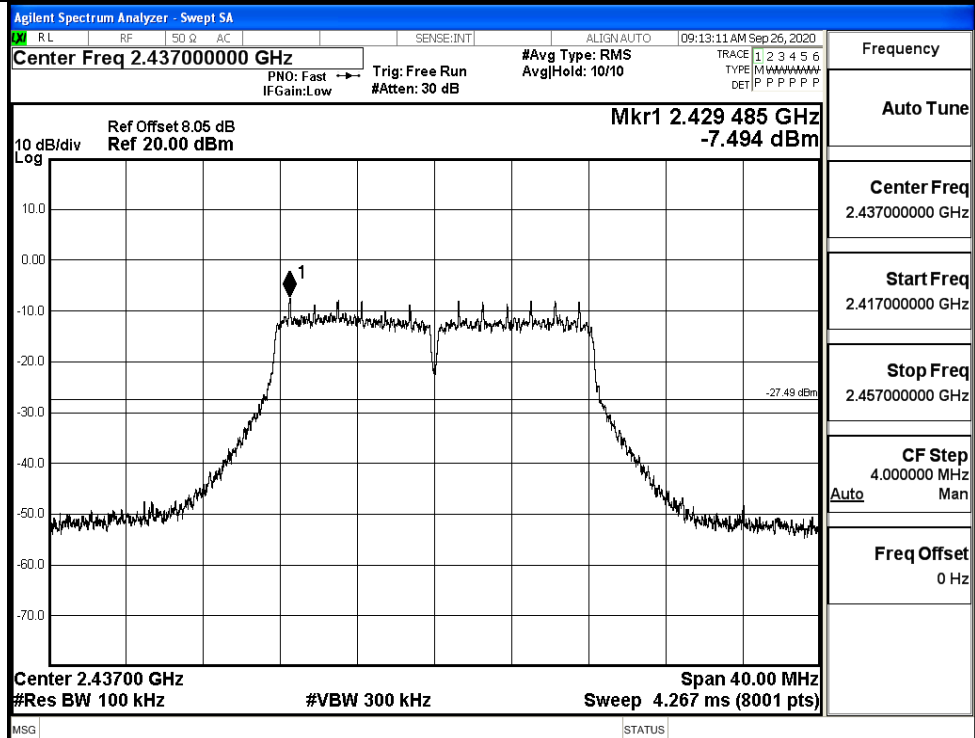


Puw/11G/LCH

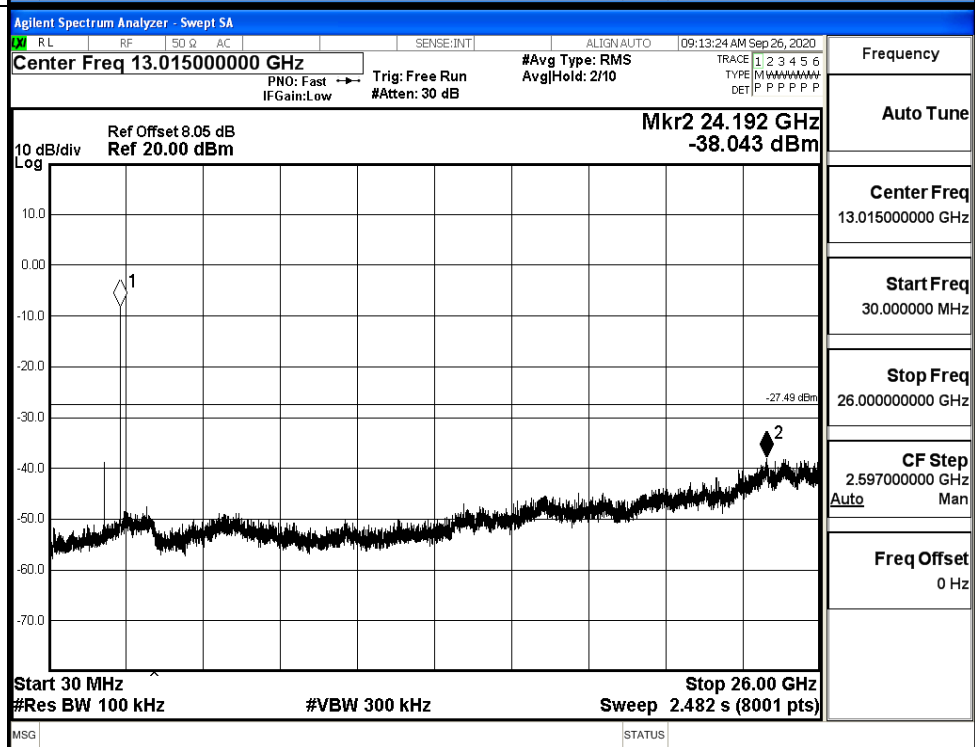


11G MCH Graphs

Pref/11G/MCH

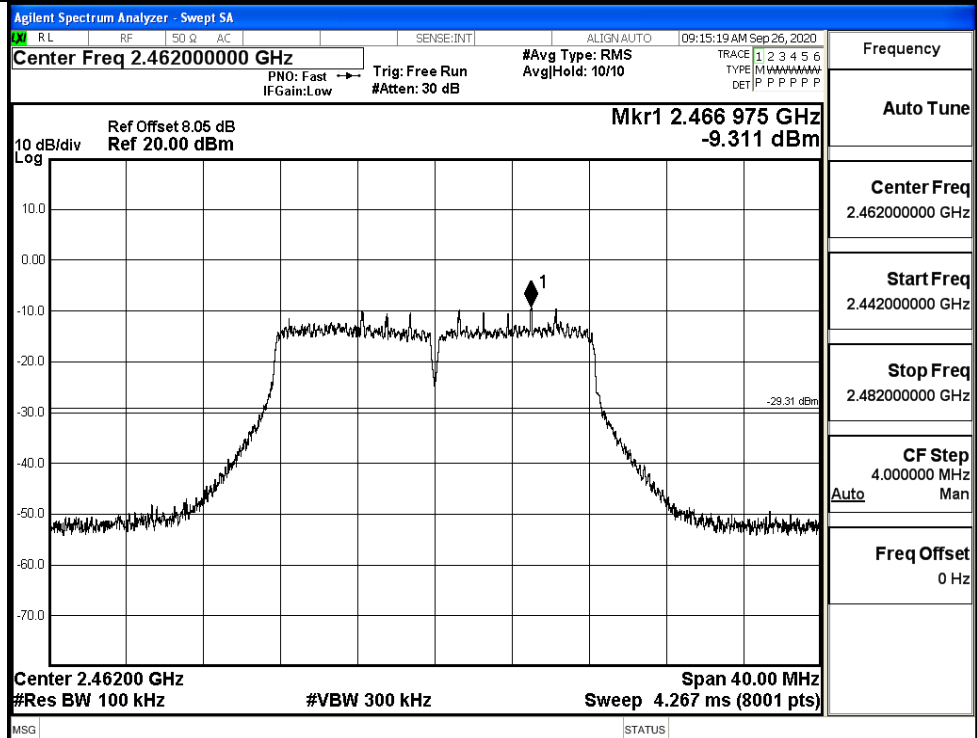


Puw/11G/MCH

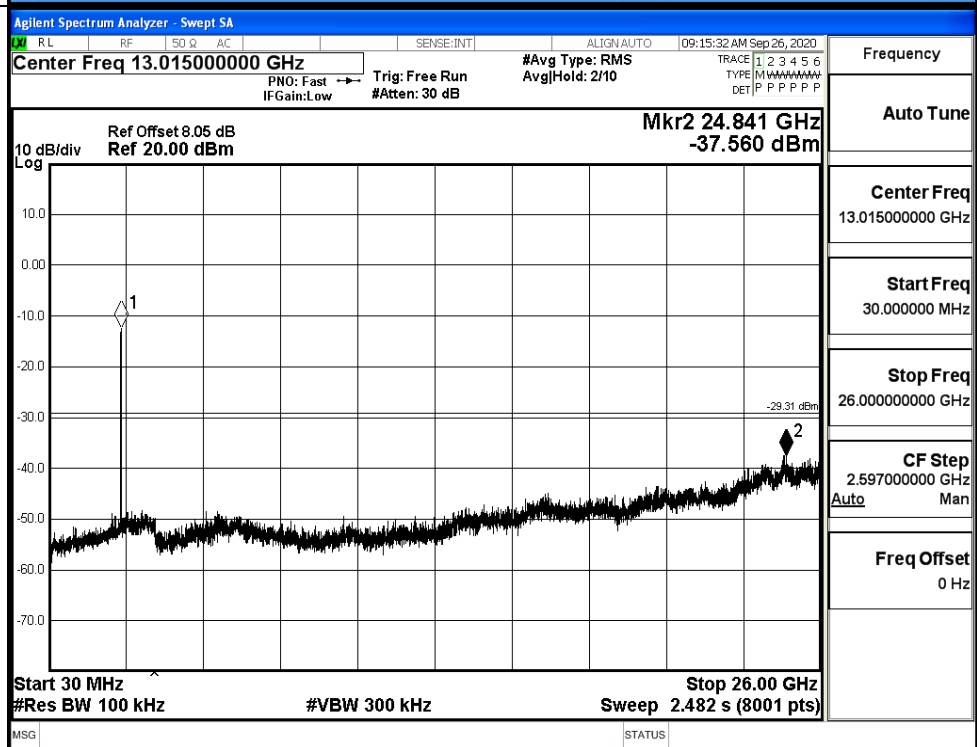


11G HCH Graphs

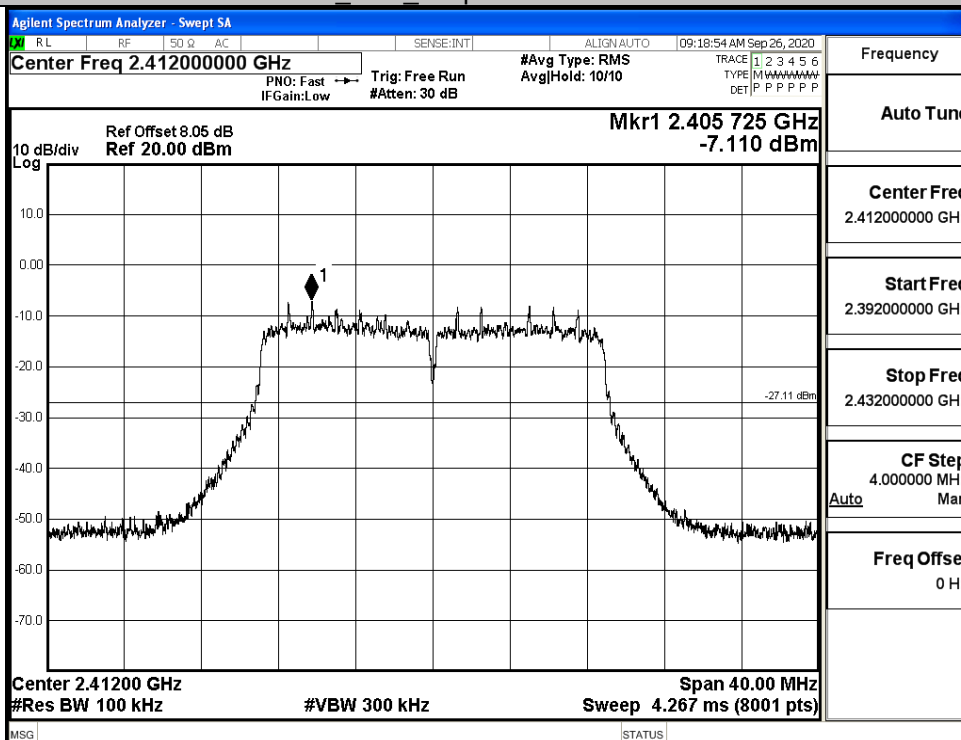
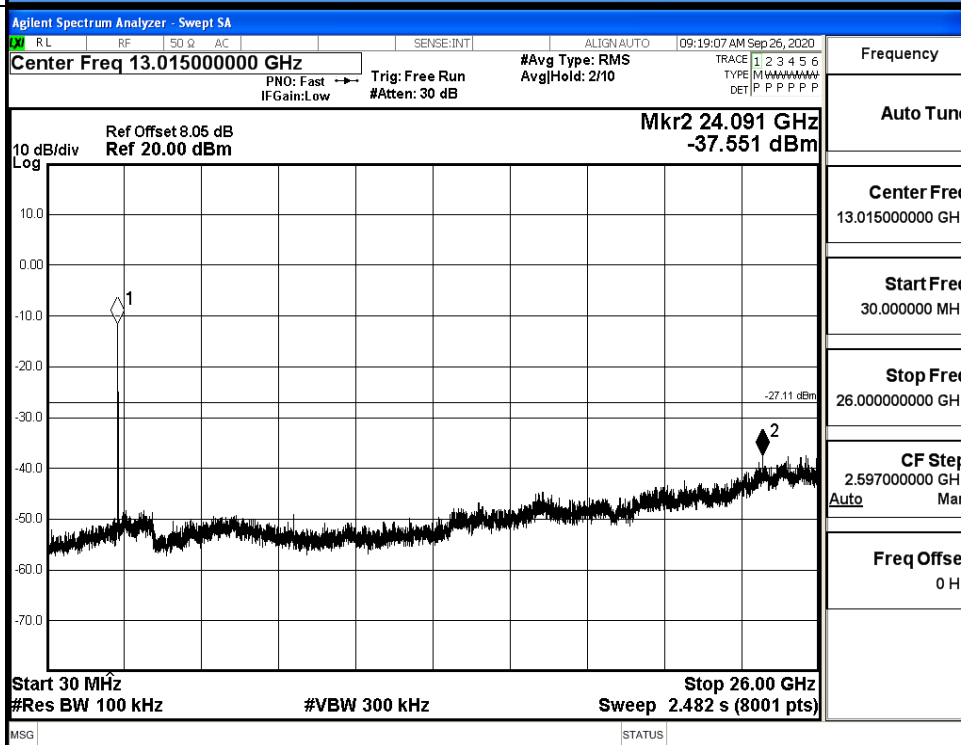
Pref/11G/HCH



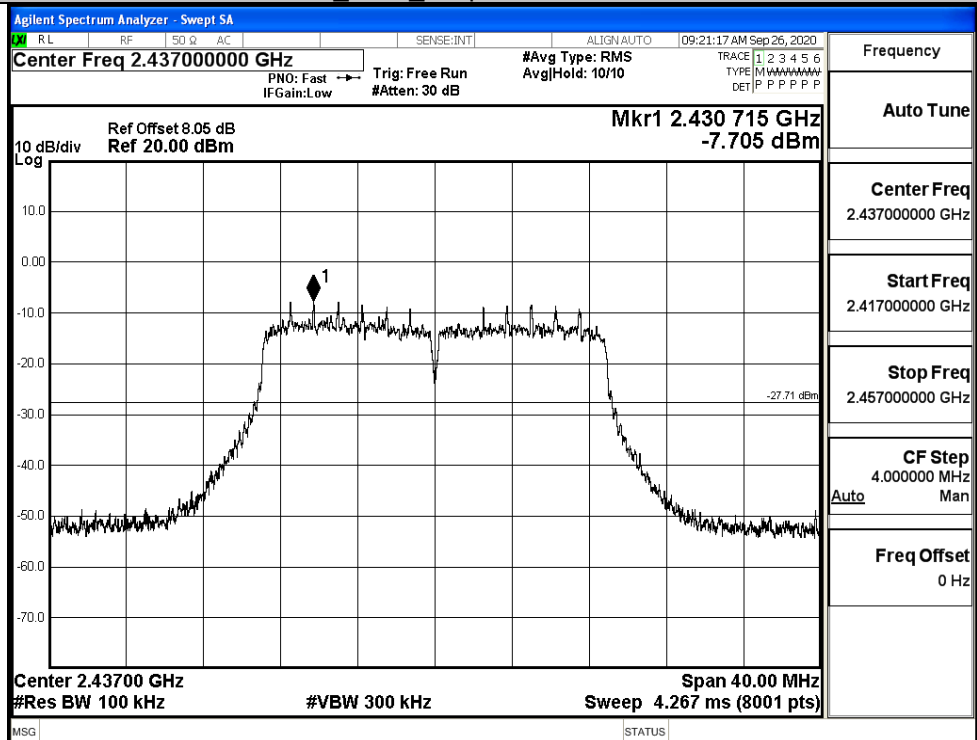
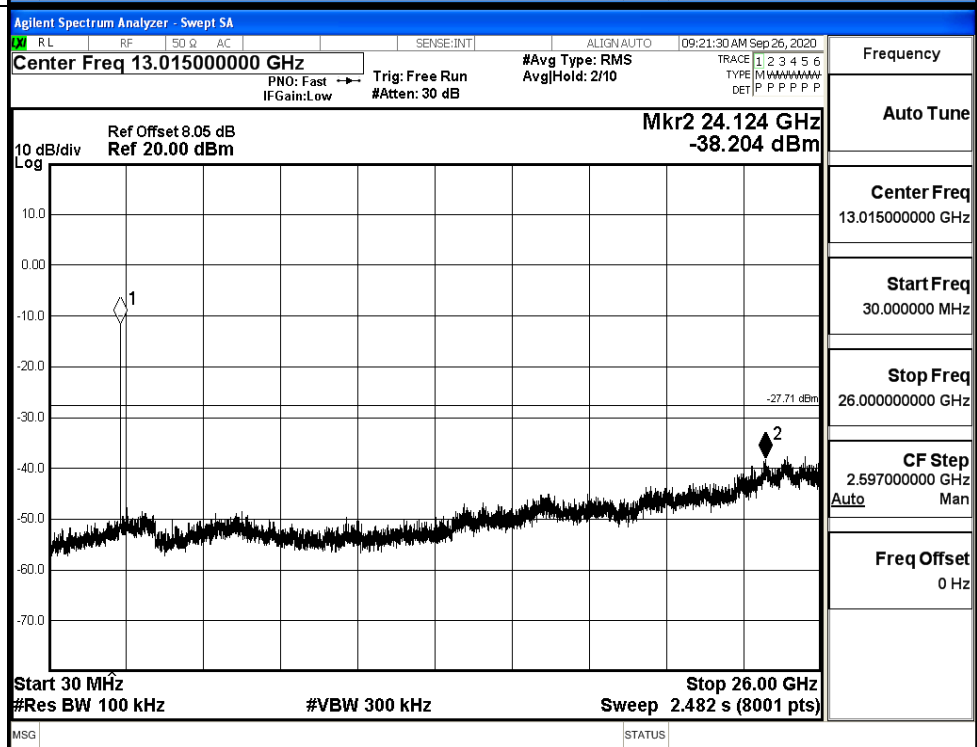
Puw/11G/HCH



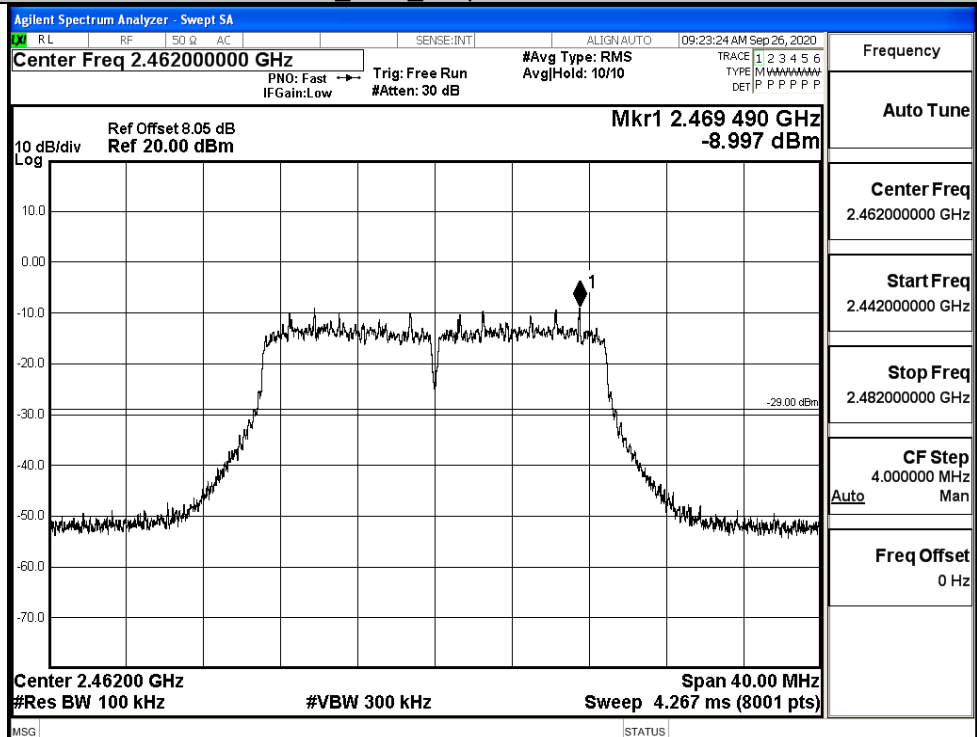
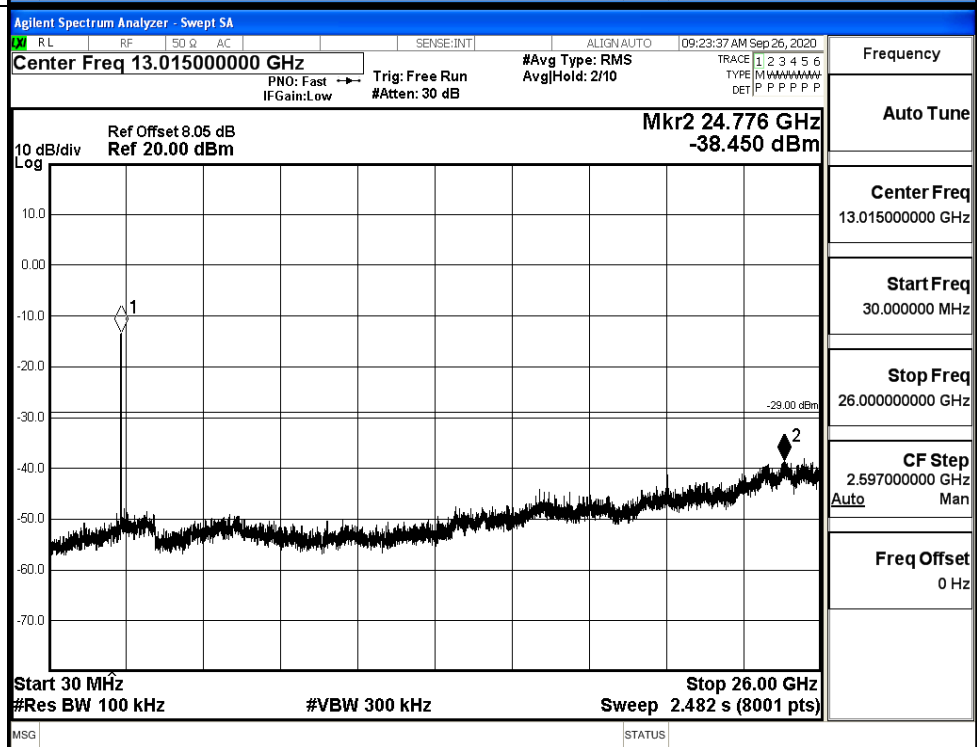
11N20 LCH Graphs

Pref/11N20/LC
HPuw/11N20
/LCH

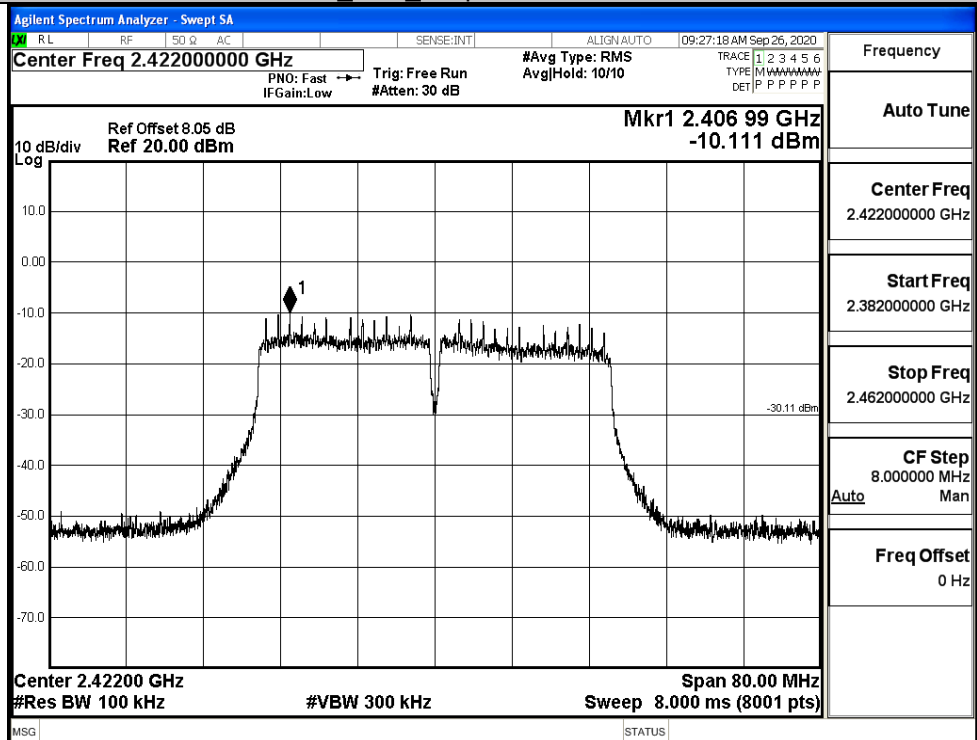
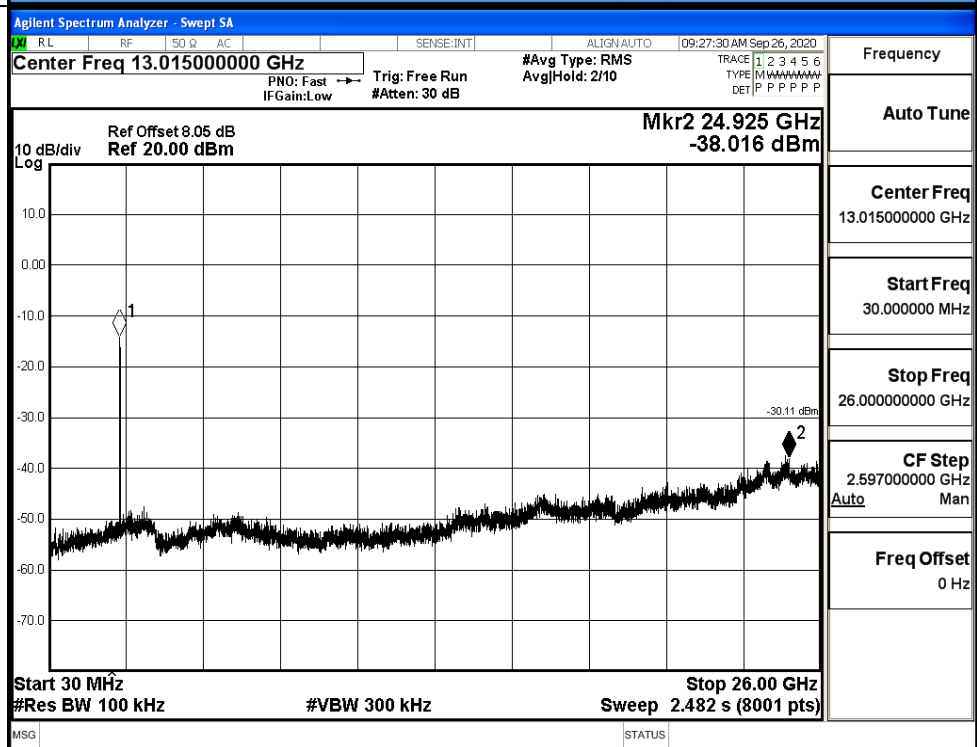
11N20 MCH Graphs

Pref/11N20
/MCHPuw/11N20
/MCH

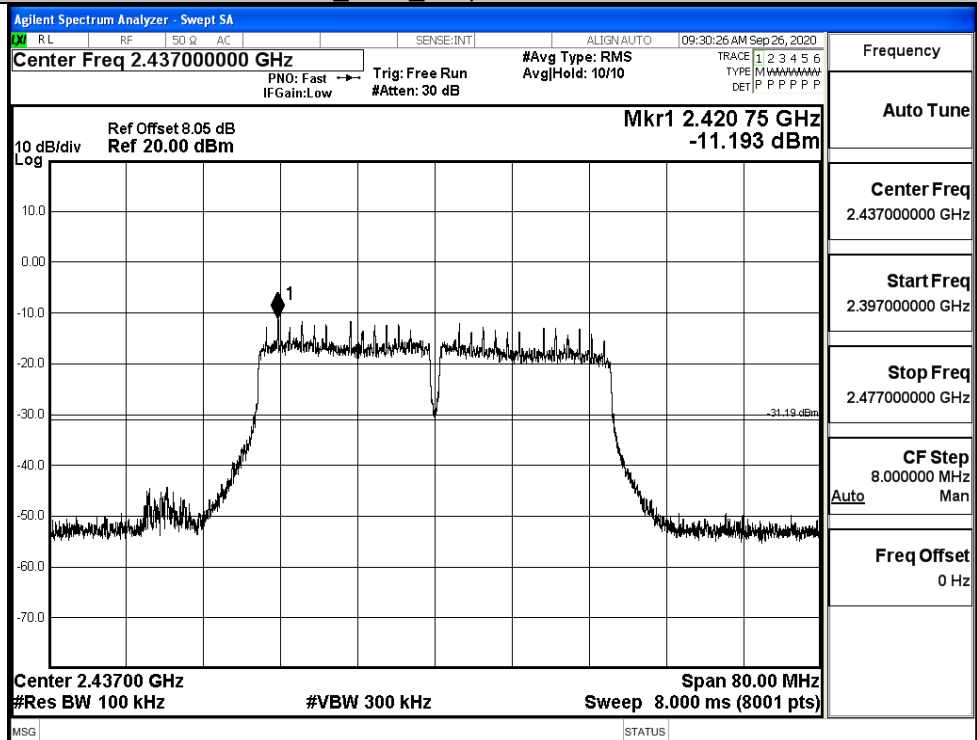
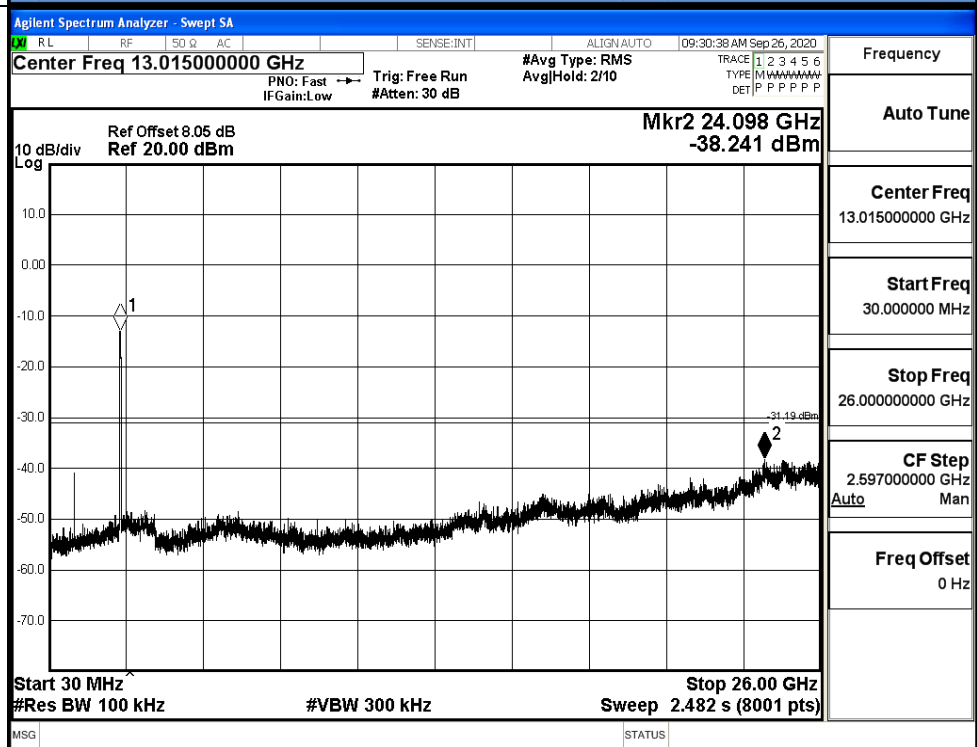
11N20 HCH Graphs

Pref/11N20
/HCHPuw/11N20
/HCH

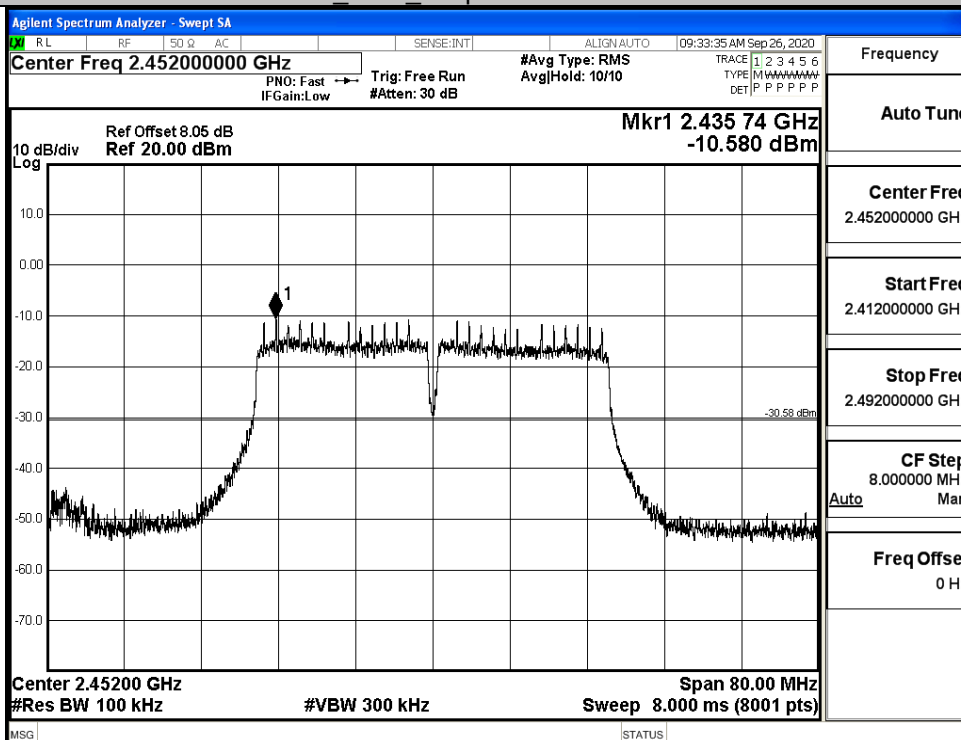
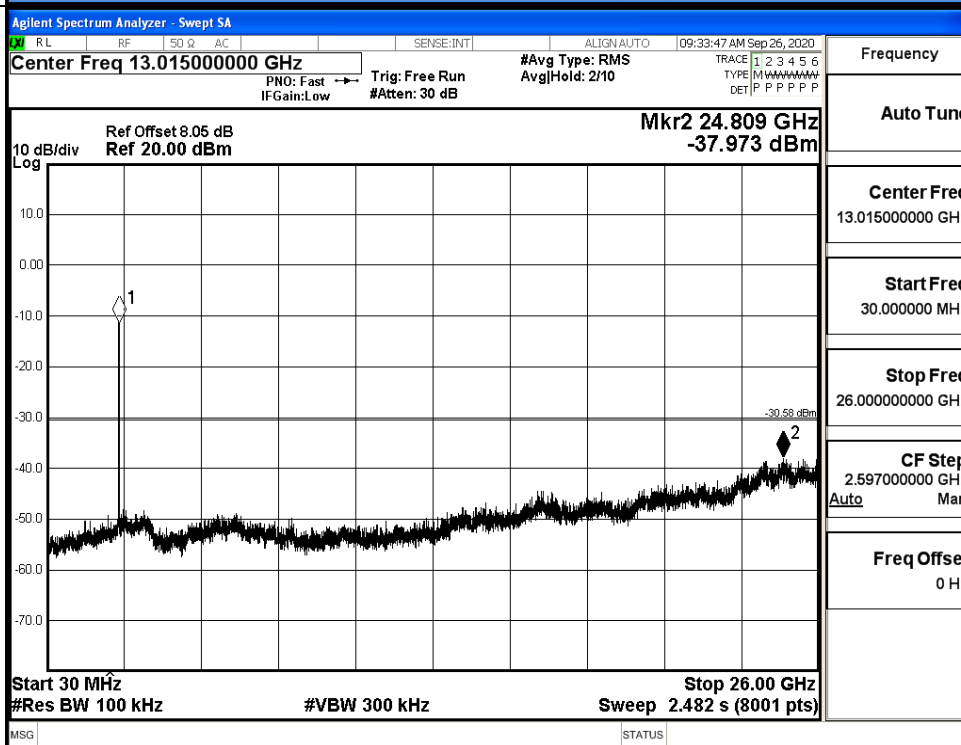
11N40 LCH Graphs

Pref/11N40
/LCHPuw/11N40
/LCH

11N40 MCH Graphs

Pref/11N40
/MCHPuw/11N40
/MCH

11N40 HCH Graphs

Pref/11N40
/HCHPuw/11N40
/HCH

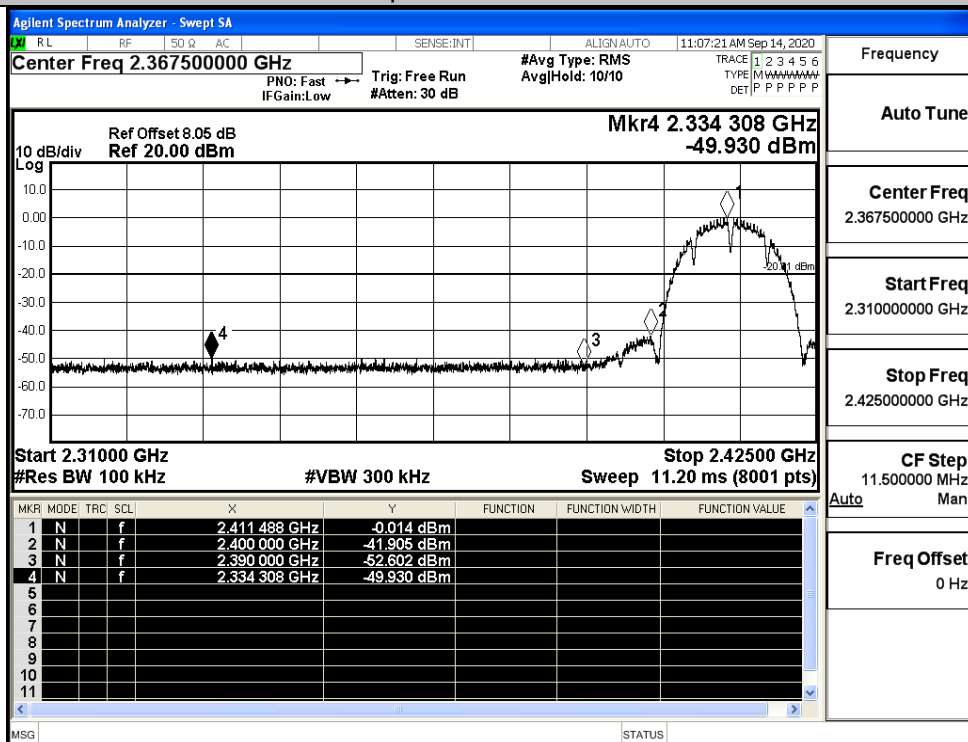
C.6 Band-edge for RF Conducted Emissions

ANT 0

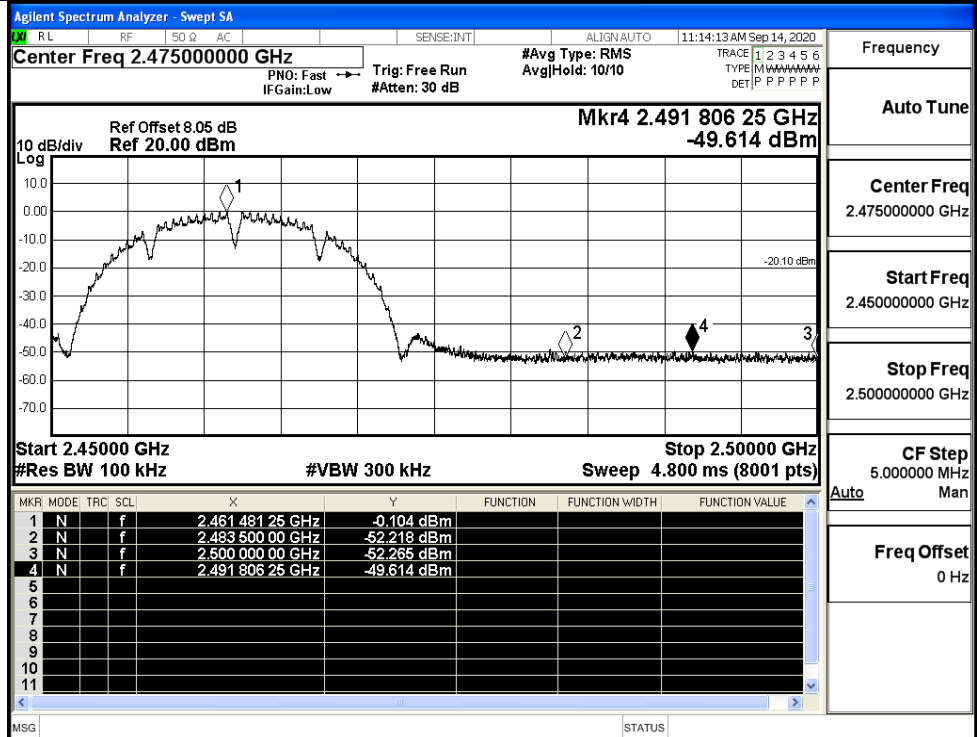
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.014	-49.930	-20.01	PASS
	HCH	-0.104	-49.614	-20.1	PASS
11G	LCH	-9.348	-49.816	-29.35	PASS
	HCH	-9.298	-49.592	-29.3	PASS
11N20	LCH	-8.853	-49.540	-28.85	PASS
	HCH	-8.833	-49.595	-28.83	PASS
11N40	LCH	-12.347	-49.005	-32.35	PASS
	HCH	-12.764	-49.656	-32.76	PASS

Test Graphs

11B/LCH



11B/HCH

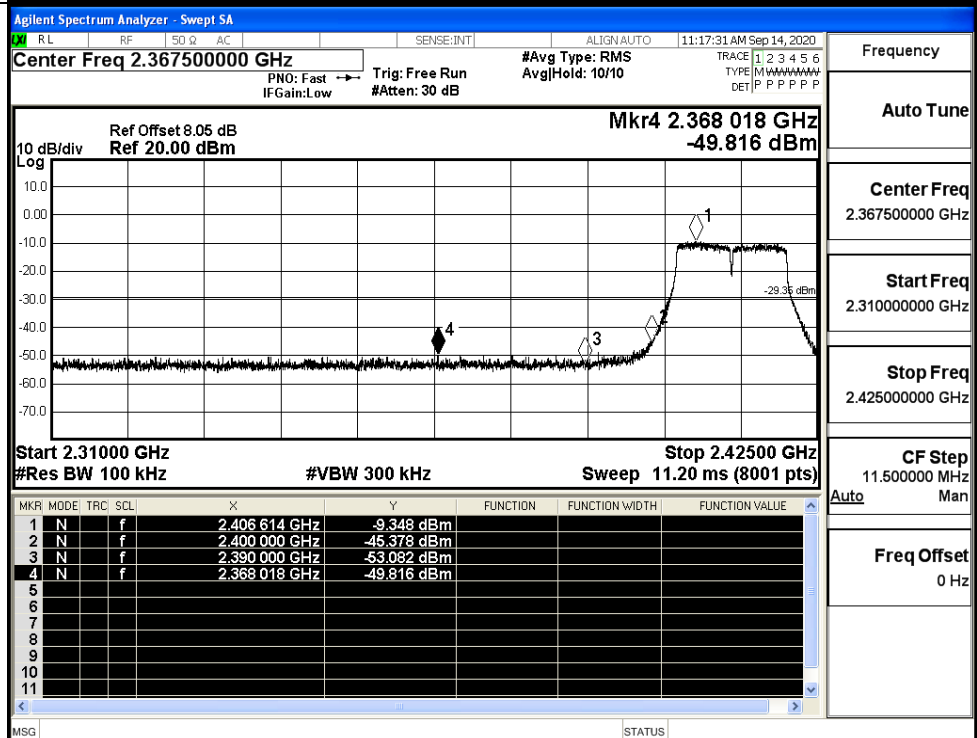


Frequency

Auto Tune

Center Freq
2.475000000 GHzStart Freq
2.450000000 GHzStop Freq
2.500000000 GHzCF Step
5.000000 MHz
Auto ManFreq Offset
0 Hz

11G/LCH

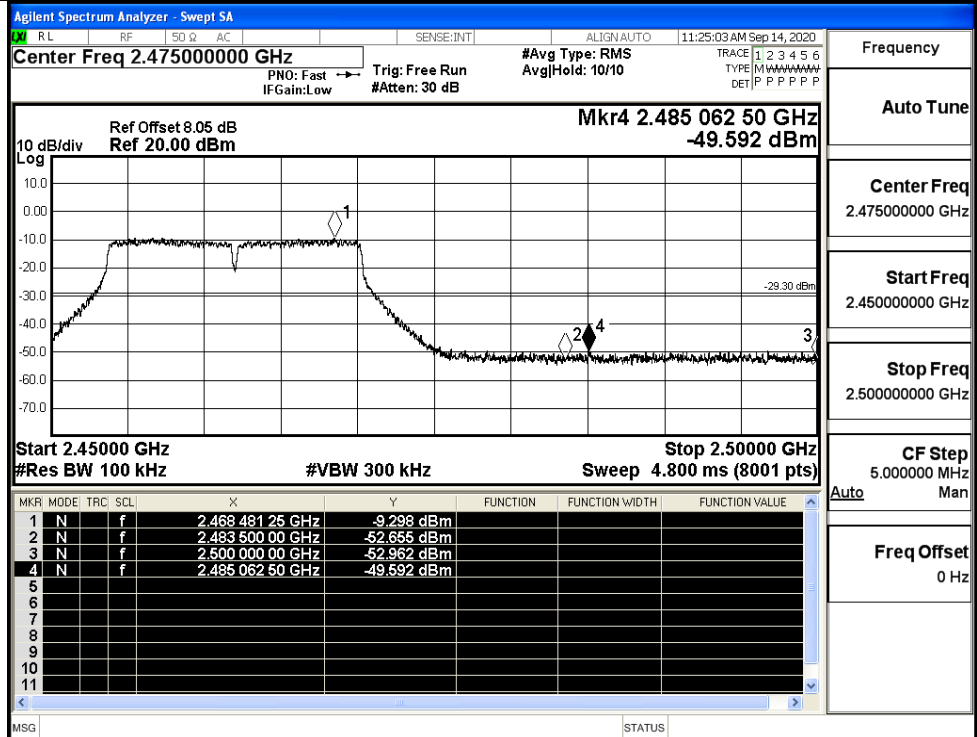


Frequency

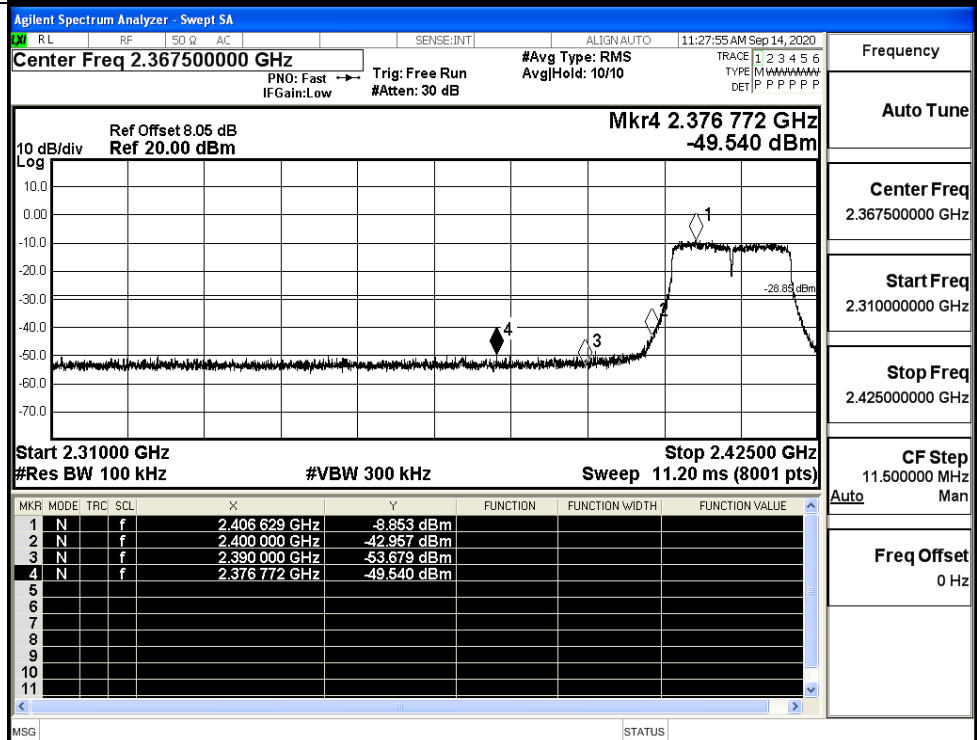
Auto Tune

Center Freq
2.367500000 GHzStart Freq
2.310000000 GHzStop Freq
2.425000000 GHzCF Step
11.500000 MHz
Auto ManFreq Offset
0 Hz

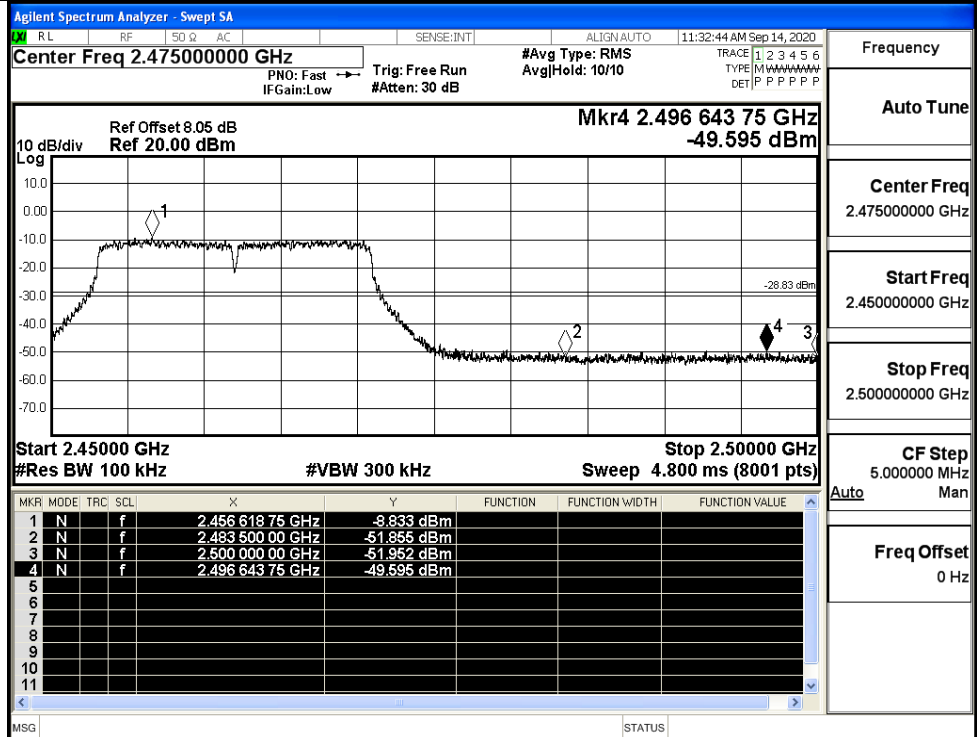
11G/HCH



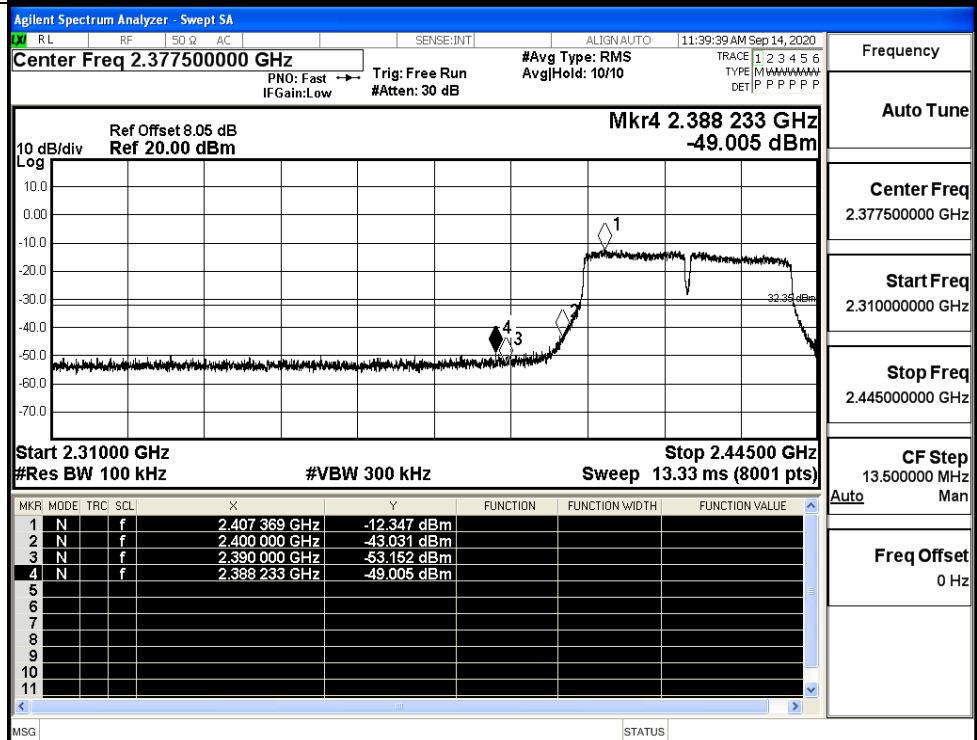
11N20/LCH



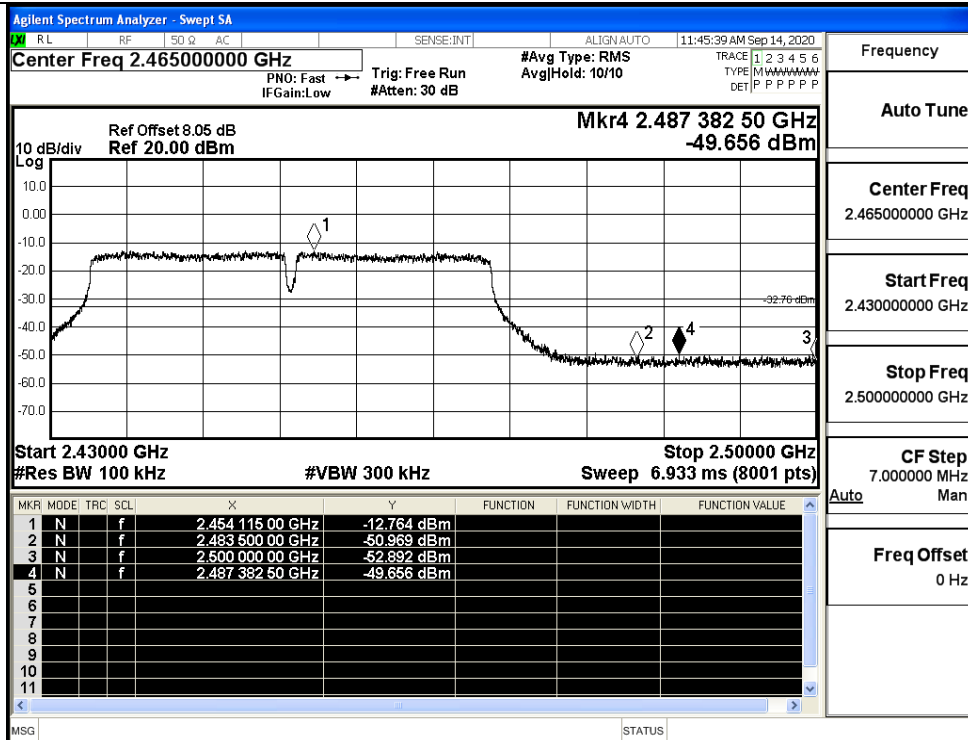
11N20/HCH



11N40/LCH



11N40/HCH

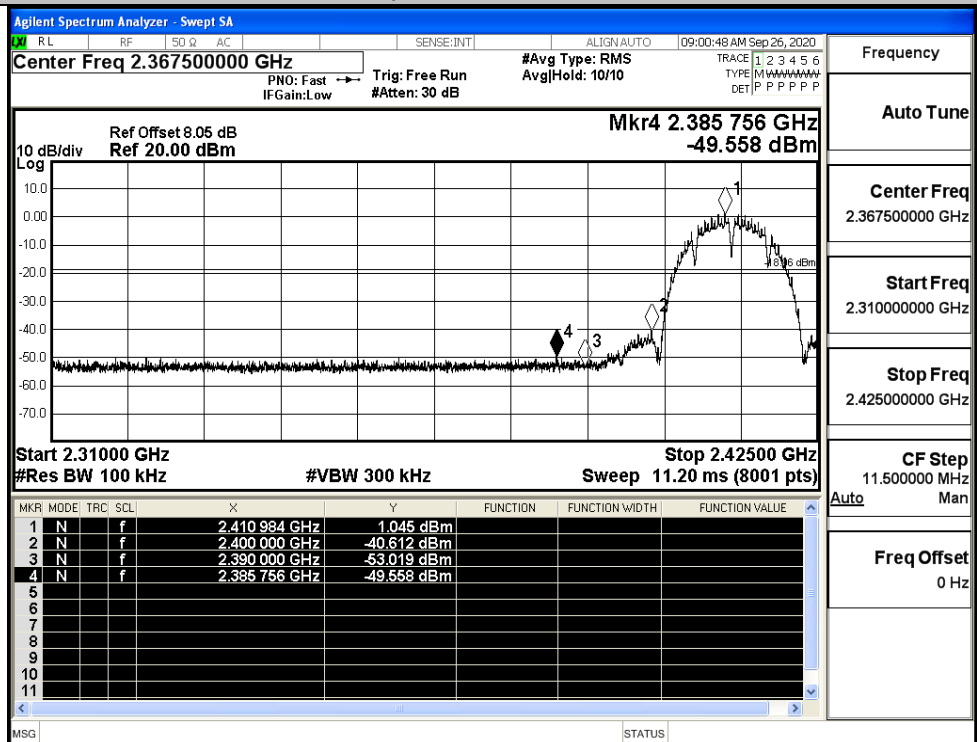


ANT 1

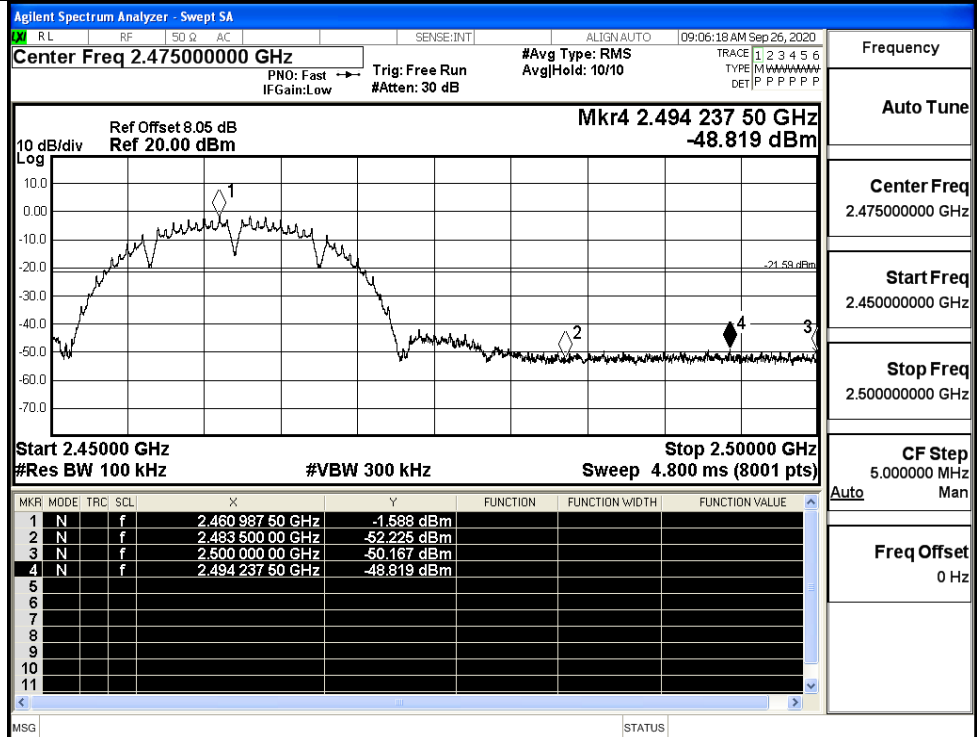
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	1.045	-49.558	-18.96	PASS
	HCH	-1.588	-48.819	-21.59	PASS
11G	LCH	-4.974	-48.673	-24.97	PASS
	HCH	-9.721	-49.098	-29.72	PASS
11N20	LCH	-7.108	-49.615	-27.11	PASS
	HCH	-8.377	-49.832	-28.38	PASS
11N40	LCH	-10.072	-49.978	-30.07	PASS
	HCH	-10.502	-49.106	-30.5	PASS

Test Graphs

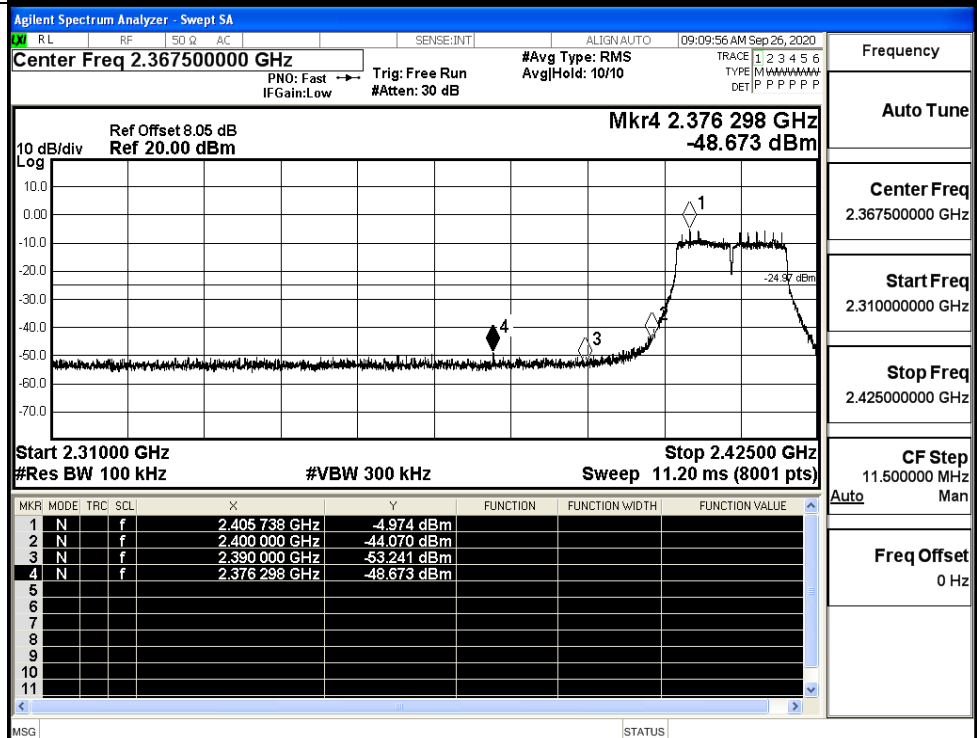
11B/LCH



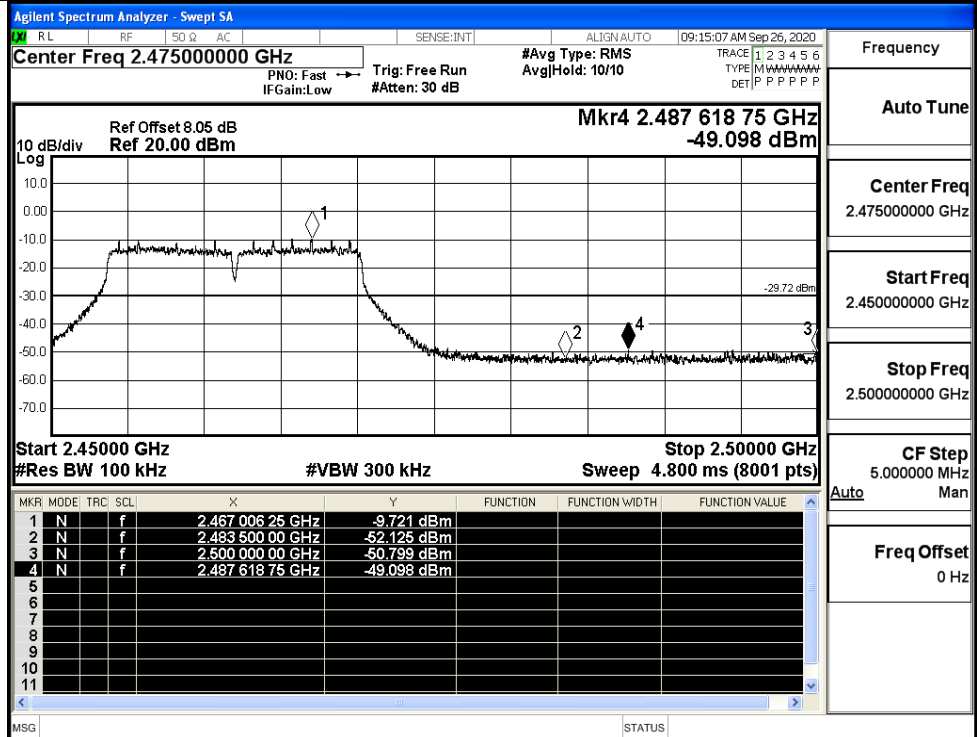
11B/HCH



11G/LCH



11G/HCH



Frequency

Auto Tune

Center Freq

2.475000000 GHz

Start Freq

2.450000000 GHz

Stop Freq

2.500000000 GHz

CF Step

5.000000 MHz

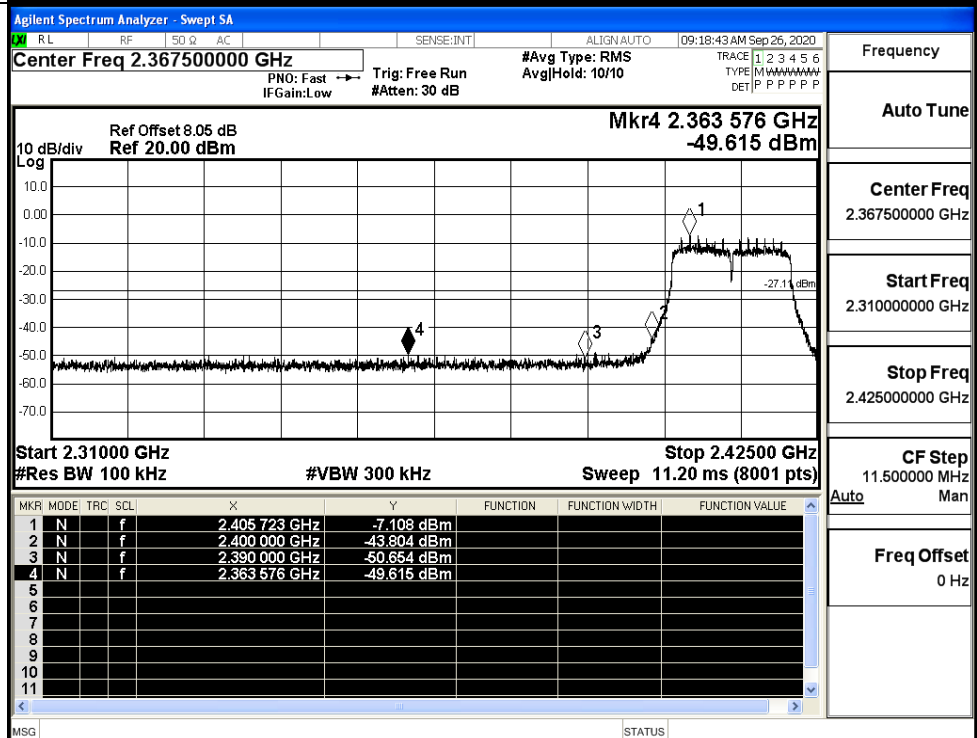
Auto

Man

Freq Offset

0 Hz

11N20/LCH



Frequency

Auto Tune

Center Freq

2.367500000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.425000000 GHz

CF Step

11.500000 MHz

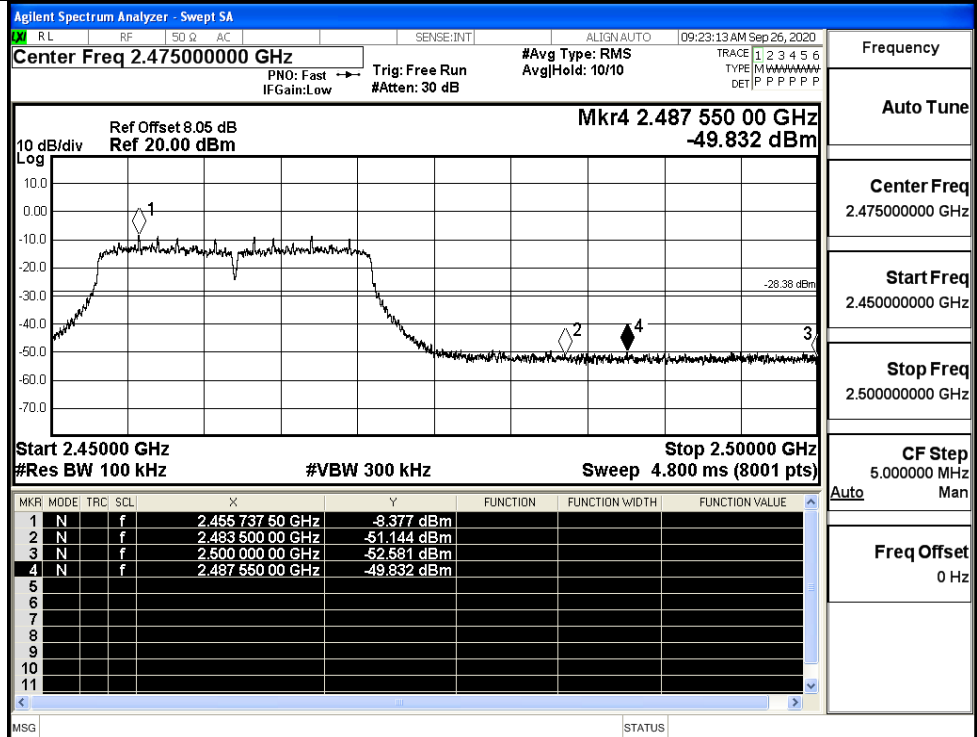
Auto

Man

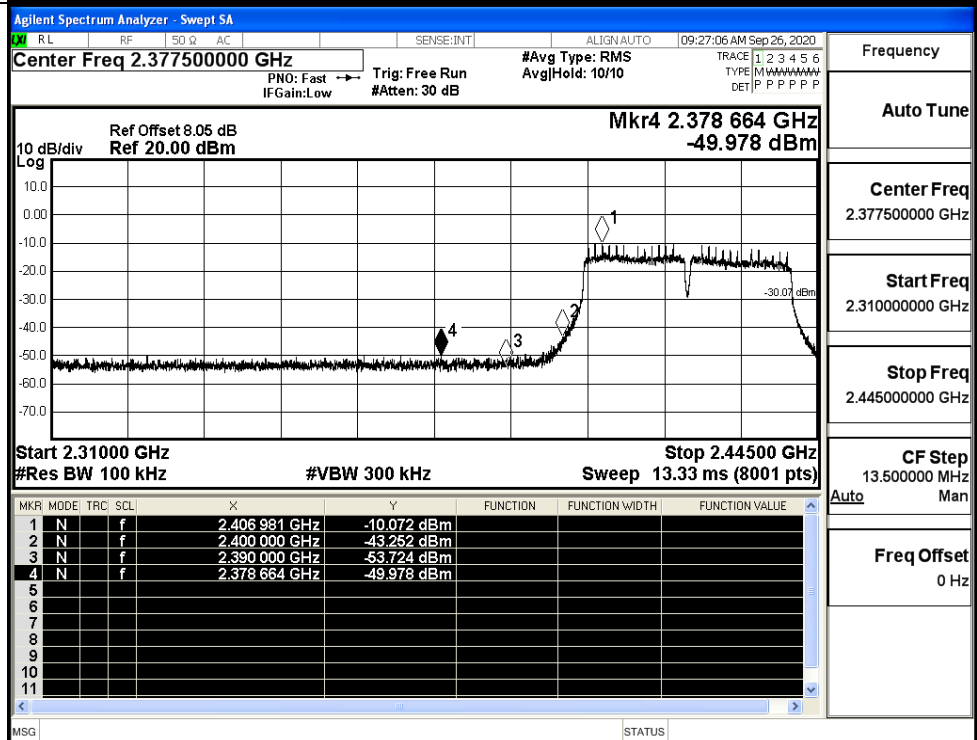
Freq Offset

0 Hz

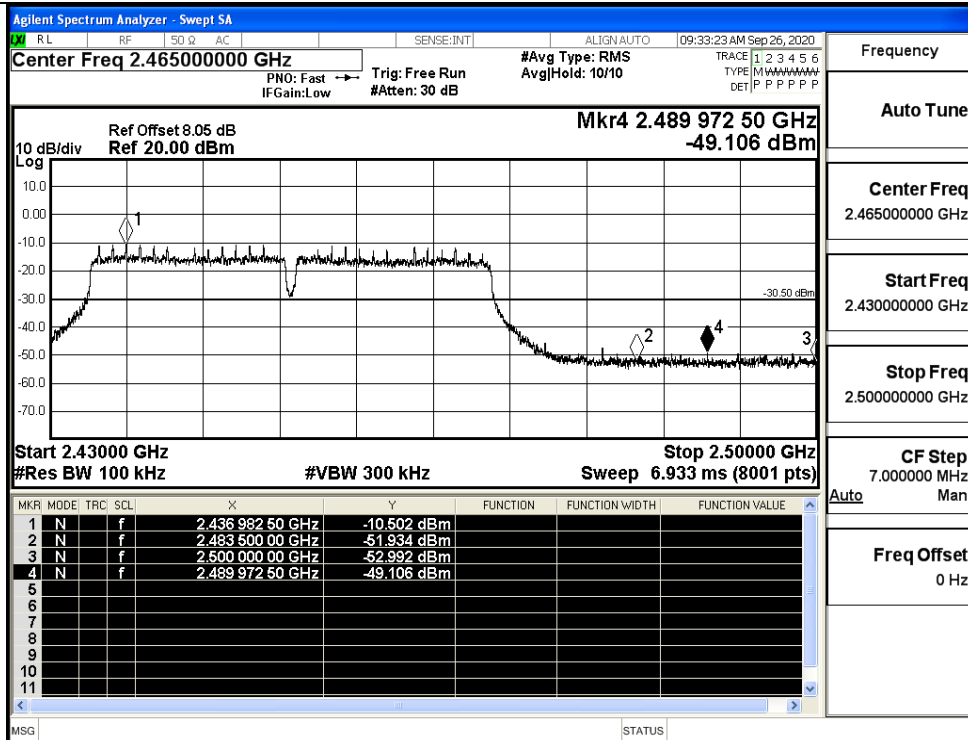
11N20/HCH



11N40/LCH



11N40/HCH



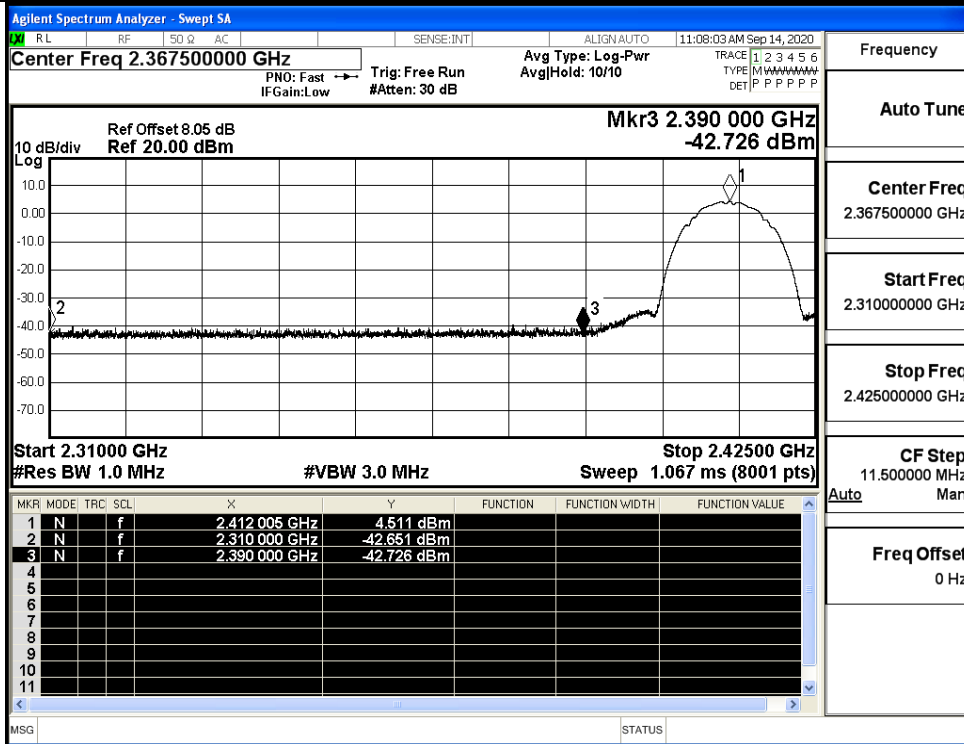
C.7 Restrict-band band-edge measurements

ANT 0

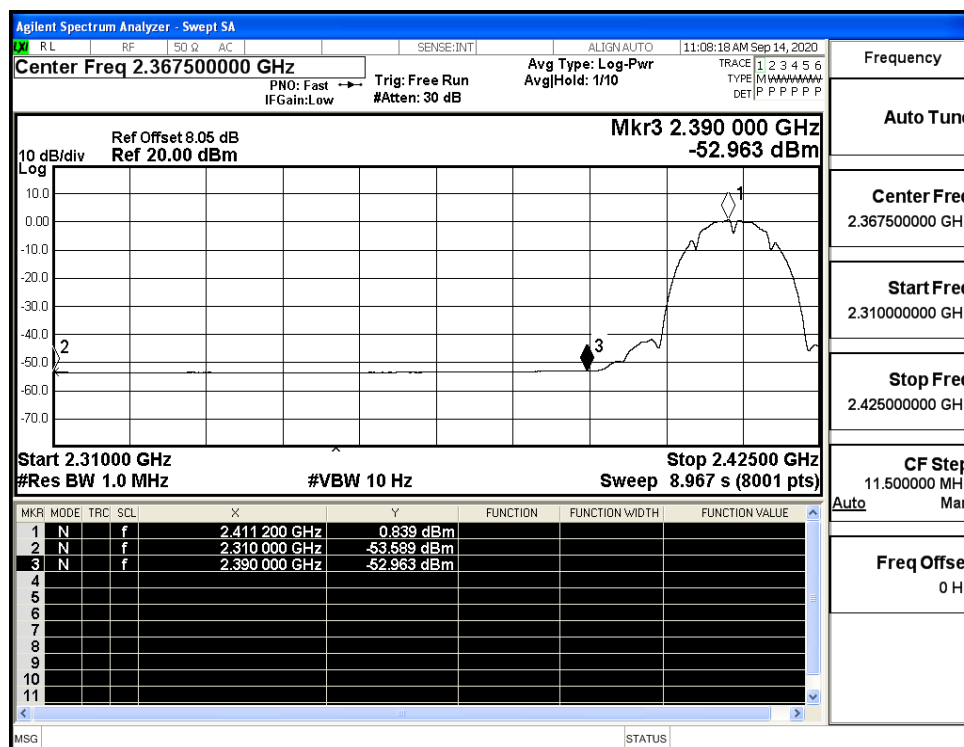
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-42.65	2.0	0	52.61	PEAK	74	PASS
	2412	Ant1	2310.0	-53.59	2.0	0	41.67	AV	54	PASS
	2412	Ant1	2390.0	-42.73	2.0	0	52.53	PEAK	74	PASS
	2412	Ant1	2390.0	-52.96	2.0	0	42.29	AV	54	PASS
	2462	Ant1	2483.5	-42.18	2.0	0	53.08	PEAK	74	PASS
	2462	Ant1	2483.5	-52.33	2.0	0	42.93	AV	54	PASS
	2462	Ant1	2500.0	-42.22	2.0	0	53.04	PEAK	74	PASS
	2462	Ant1	2500.0	-52.49	2.0	0	42.77	AV	54	PASS
11G	2412	Ant1	2310.0	-43.08	2.0	0	52.17	PEAK	74	PASS
	2412	Ant1	2310.0	-53.65	2.0	0	41.61	AV	54	PASS
	2412	Ant1	2390.0	-41.61	2.0	0	53.65	PEAK	74	PASS
	2412	Ant1	2390.0	-53.03	2.0	0	42.23	AV	54	PASS
	2462	Ant1	2483.5	-41.95	2.0	0	53.31	PEAK	74	PASS
	2462	Ant1	2483.5	-52.46	2.0	0	42.80	AV	54	PASS
	2462	Ant1	2500.0	-41.72	2.0	0	53.54	PEAK	74	PASS
	2462	Ant1	2500.0	-52.54	2.0	0	42.72	AV	54	PASS
11N20	2412	Ant1	2310.0	-43.36	2.0	0	51.90	PEAK	74	PASS
	2412	Ant1	2310.0	-53.66	2.0	0	41.60	AV	54	PASS
	2412	Ant1	2390.0	-42.21	2.0	0	53.05	PEAK	74	PASS
	2412	Ant1	2390.0	-52.84	2.0	0	42.41	AV	54	PASS
	2462	Ant1	2483.5	-41.61	2.0	0	53.65	PEAK	74	PASS
	2462	Ant1	2483.5	-52.44	2.0	0	42.82	AV	54	PASS
	2462	Ant1	2500.0	-41.39	2.0	0	53.87	PEAK	74	PASS
	2462	Ant1	2500.0	-52.52	2.0	0	42.73	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.22	2.0	0	52.04	PEAK	74	PASS
	2422	Ant1	2310.0	-53.65	2.0	0	41.61	AV	54	PASS

	2422	Ant1	2390.0	-41.83	2.0	0	53.43	PEAK	74	PASS
	2422	Ant1	2390.0	-52.34	2.0	0	42.92	AV	54	PASS
	2452	Ant1	2483.5	-42.50	2.0	0	52.76	PEAK	74	PASS
	2452	Ant1	2483.5	-52.38	2.0	0	42.88	AV	54	PASS
	2452	Ant1	2500.0	-42.24	2.0	0	53.01	PEAK	74	PASS
	2452	Ant1	2500.0	-52.45	2.0	0	42.81	AV	54	PASS

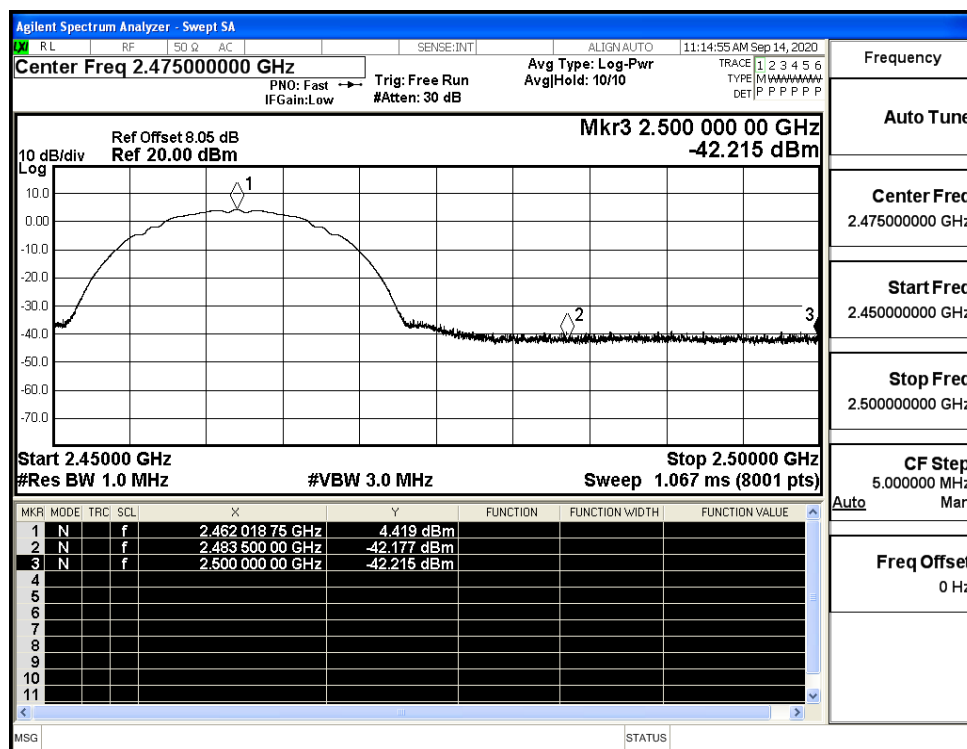
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



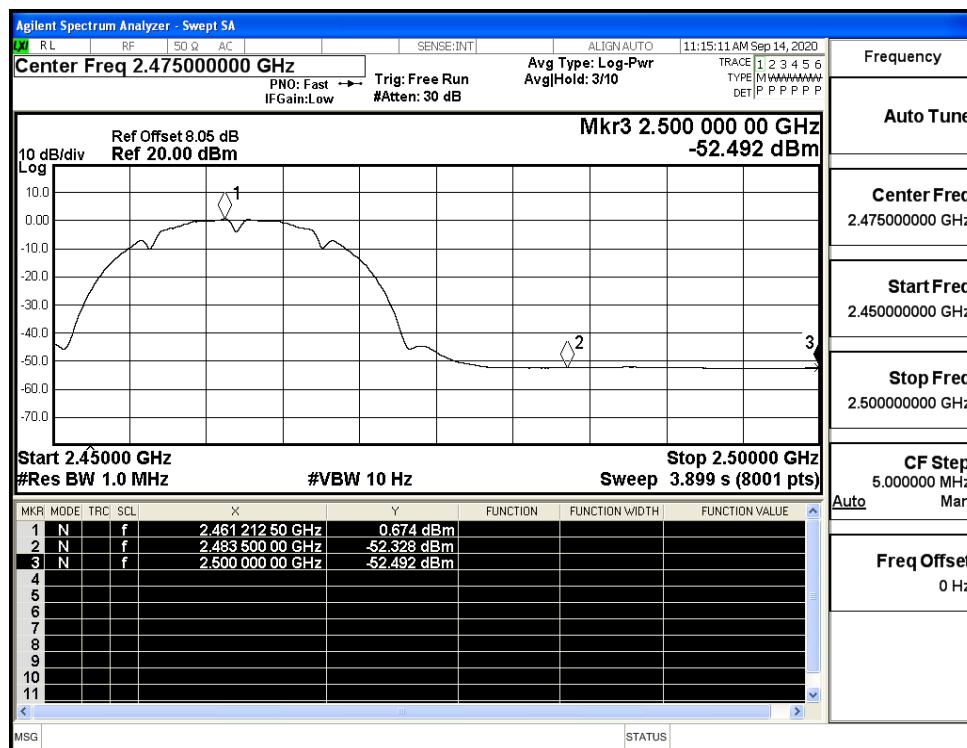
Restrict-band band-edge measurements_11B_2412_Ant1_AV



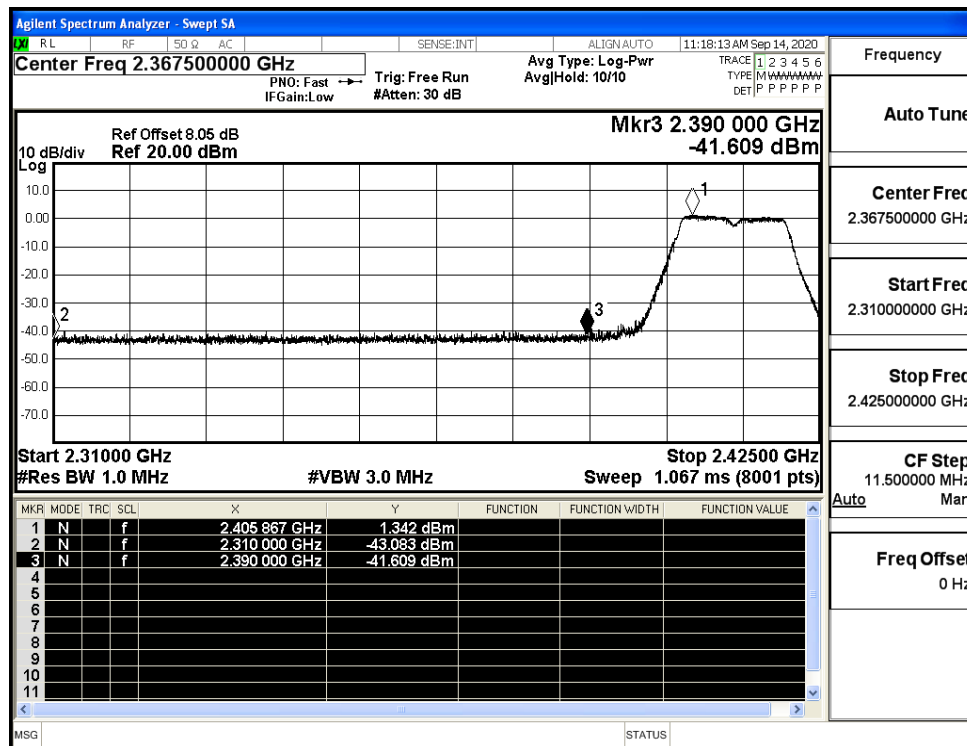
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



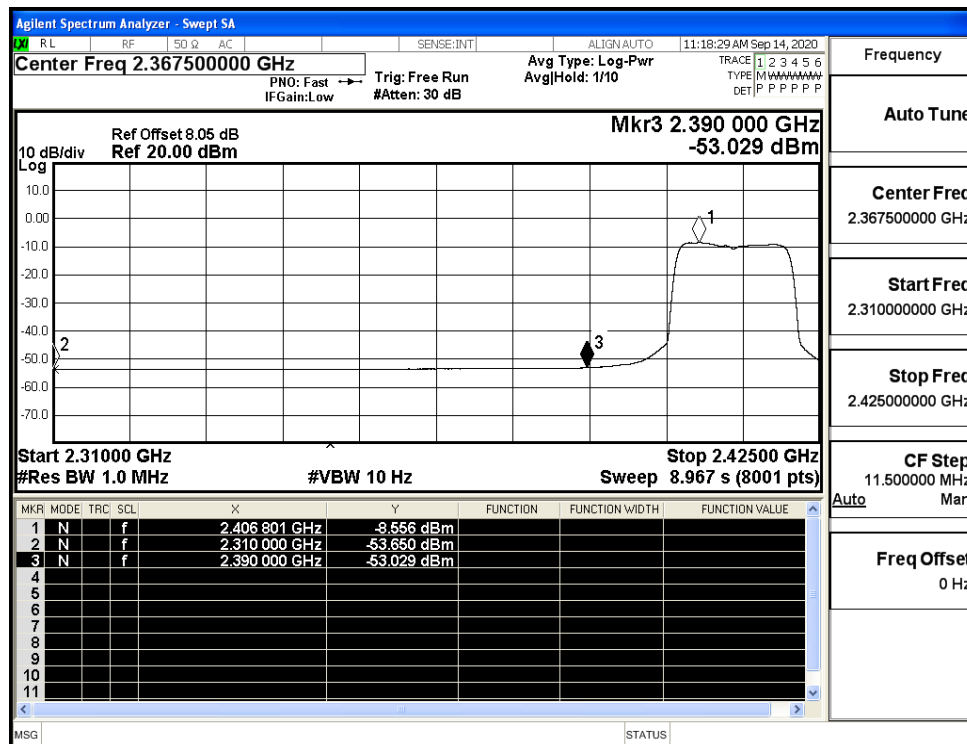
Restrict-band band-edge measurements_11B_2462_Ant1_AV



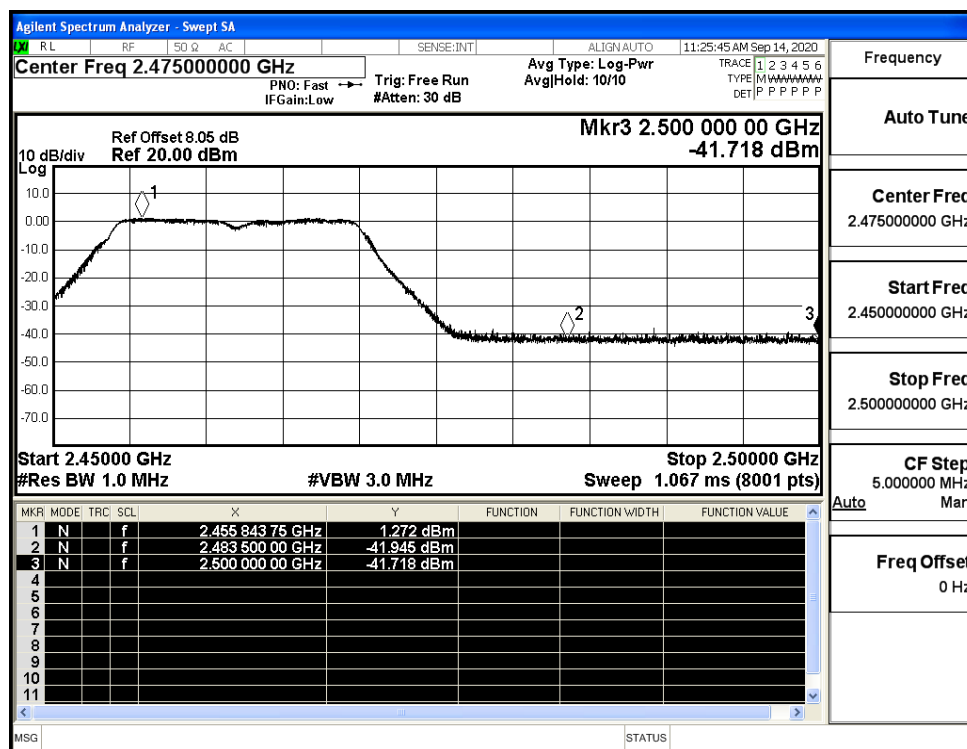
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



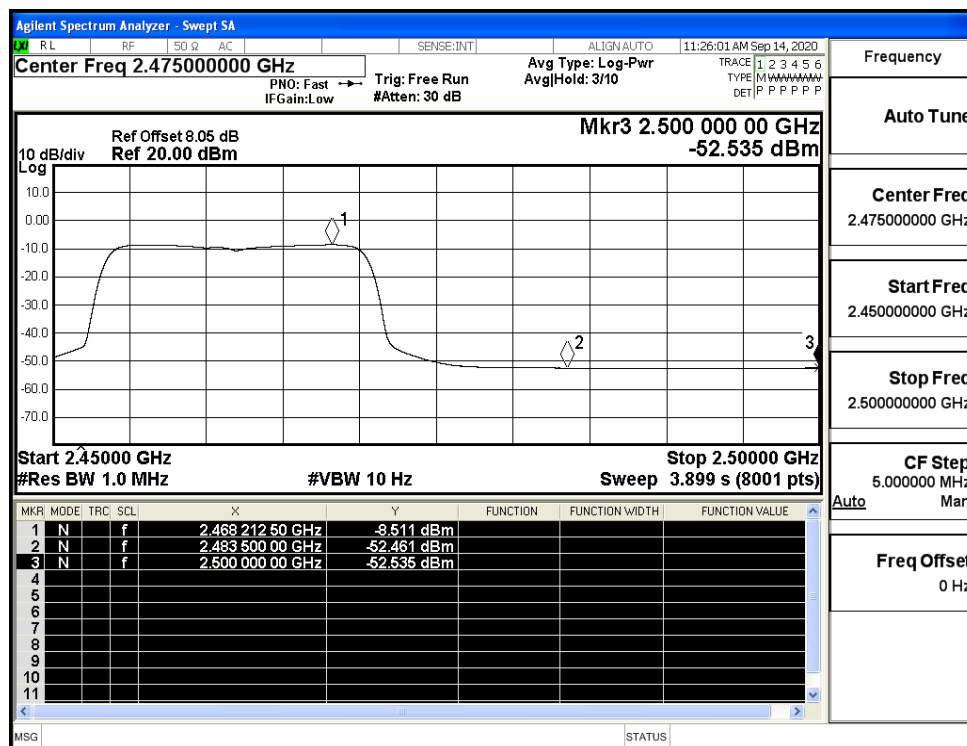
Restrict-band band-edge measurements_11G_2412_Ant1_AV



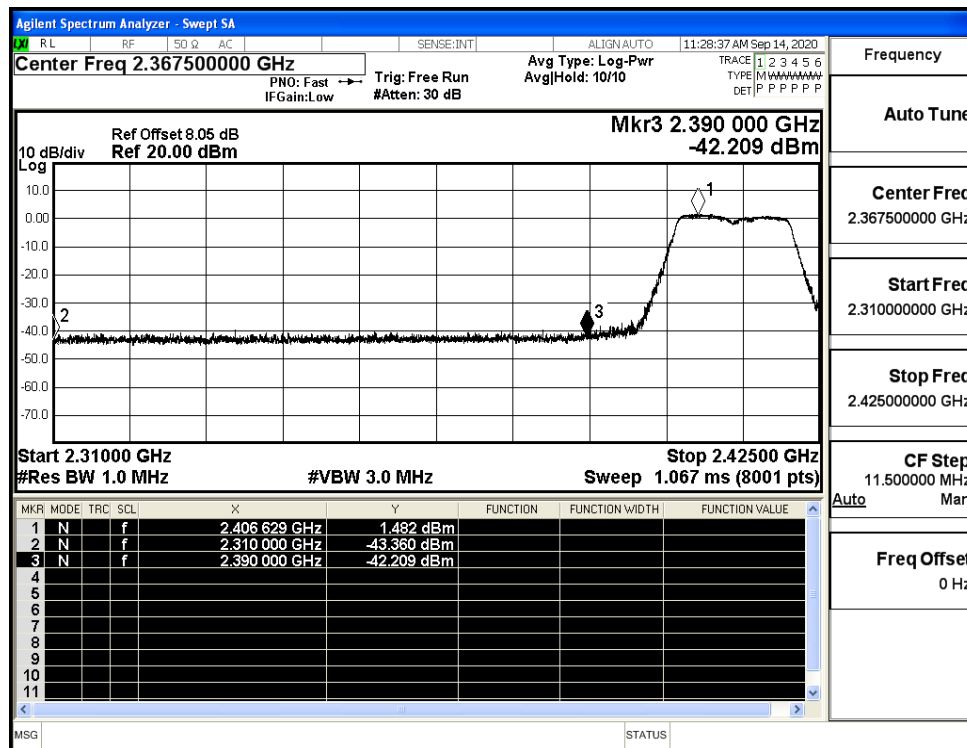
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



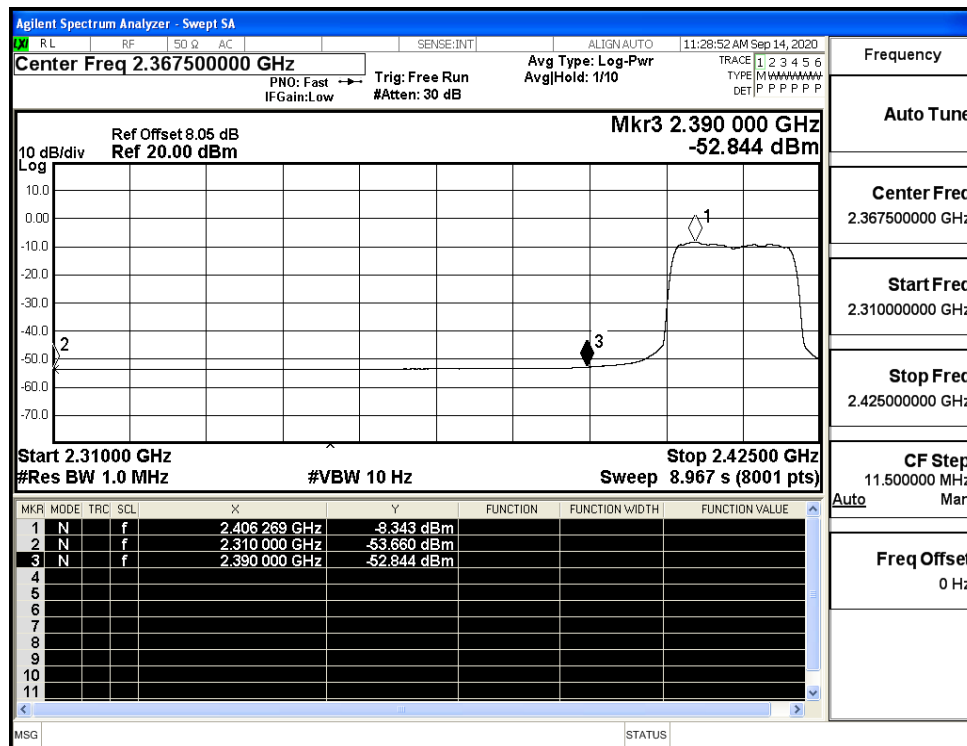
Restrict-band band-edge measurements_11G_2462_Ant1_AV



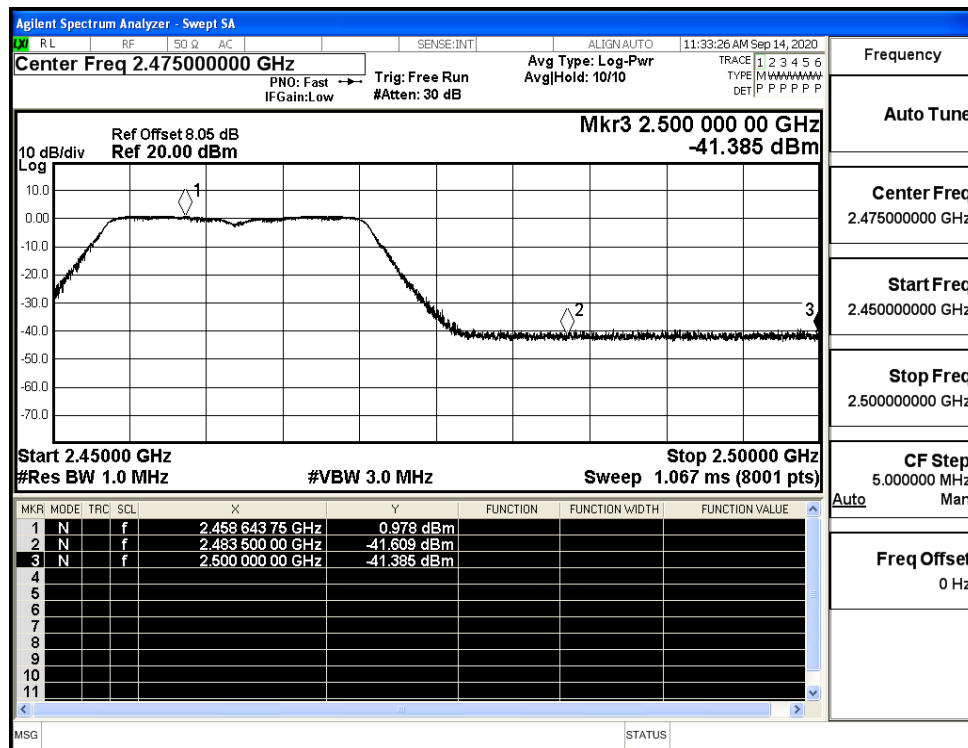
Restrict-band band-edge measurements_11N20_2412_Ant1_PEAK



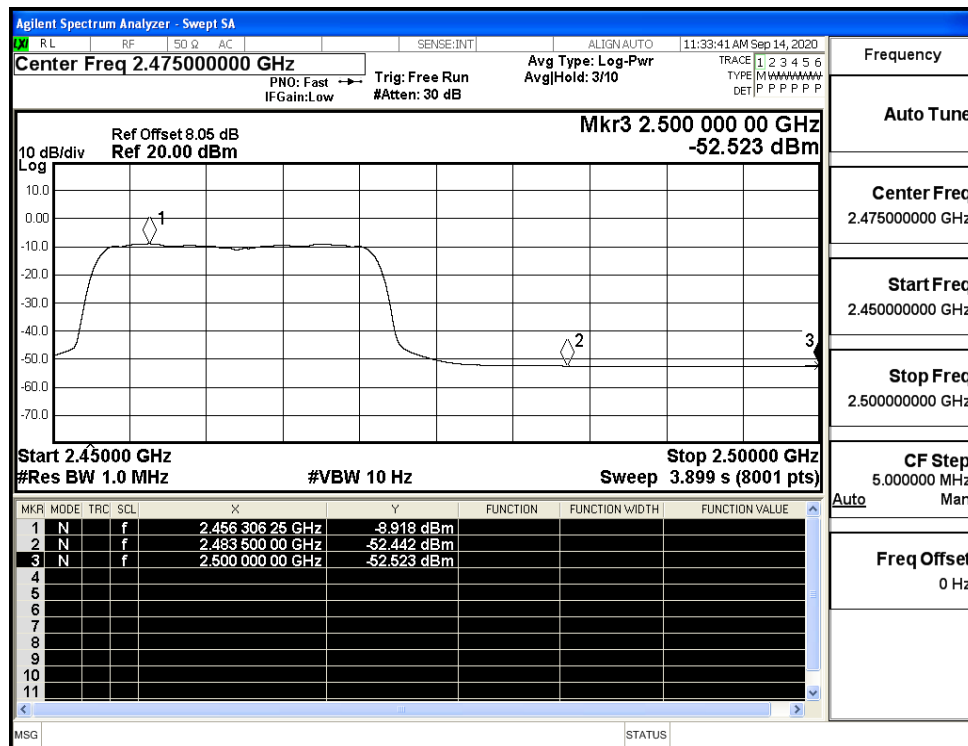
Restrict-band band-edge measurements_11N20_2412_Ant1_AV



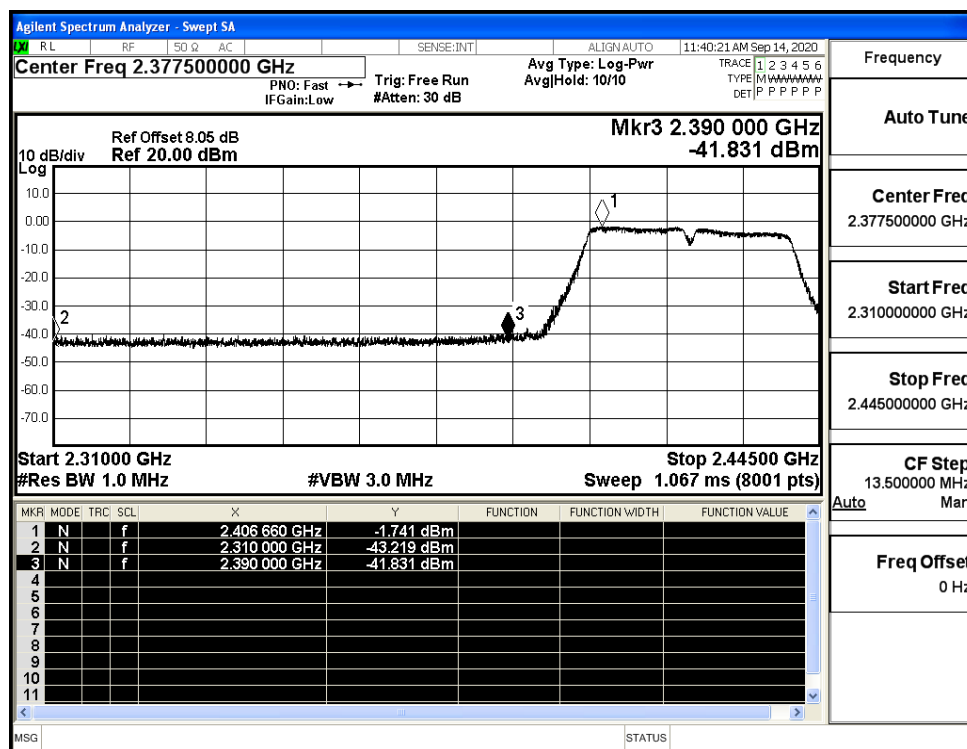
Restrict-band band-edge measurements_11N20_2462_Ant1_PEAK



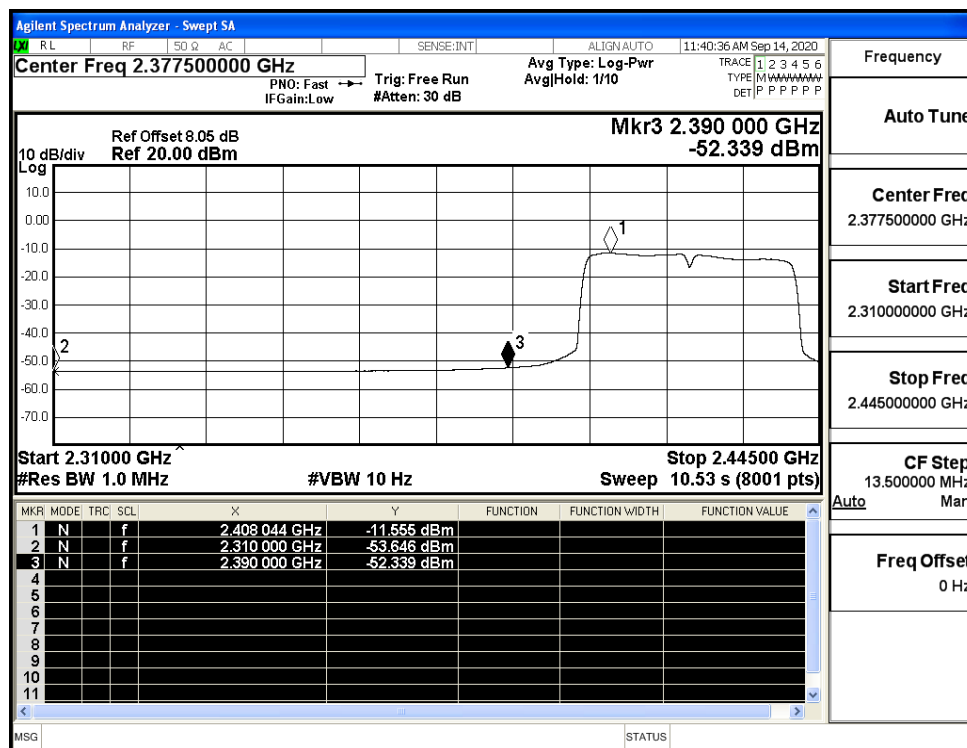
Restrict-band band-edge measurements_11N20_2462_Ant1_AV



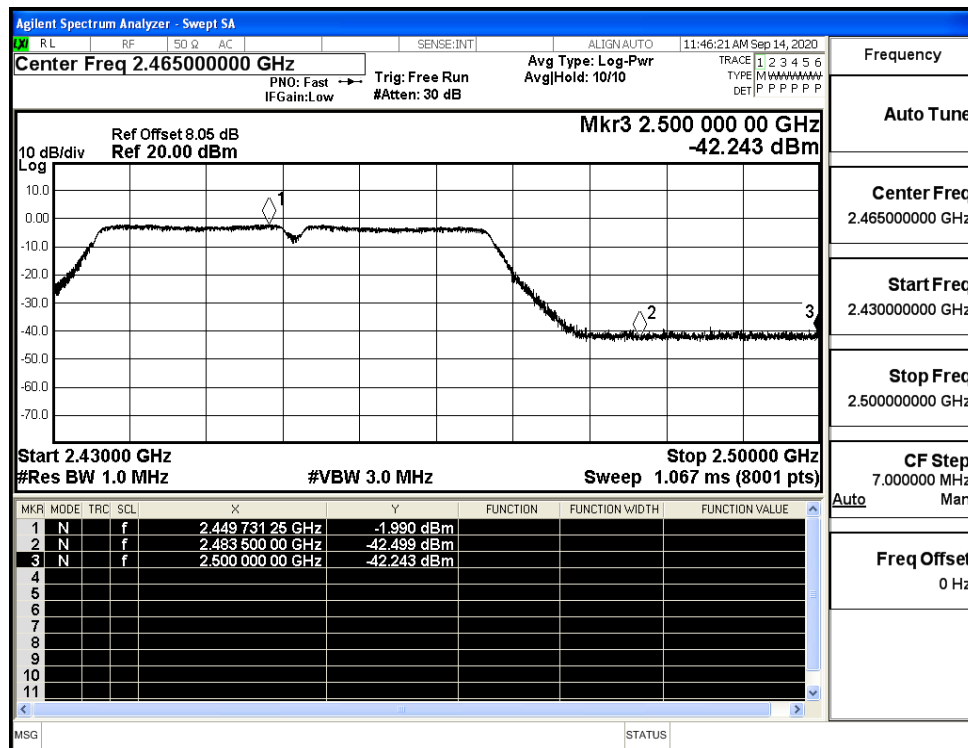
Restrict-band band-edge measurements_11N40_2422_Ant1_PEAK



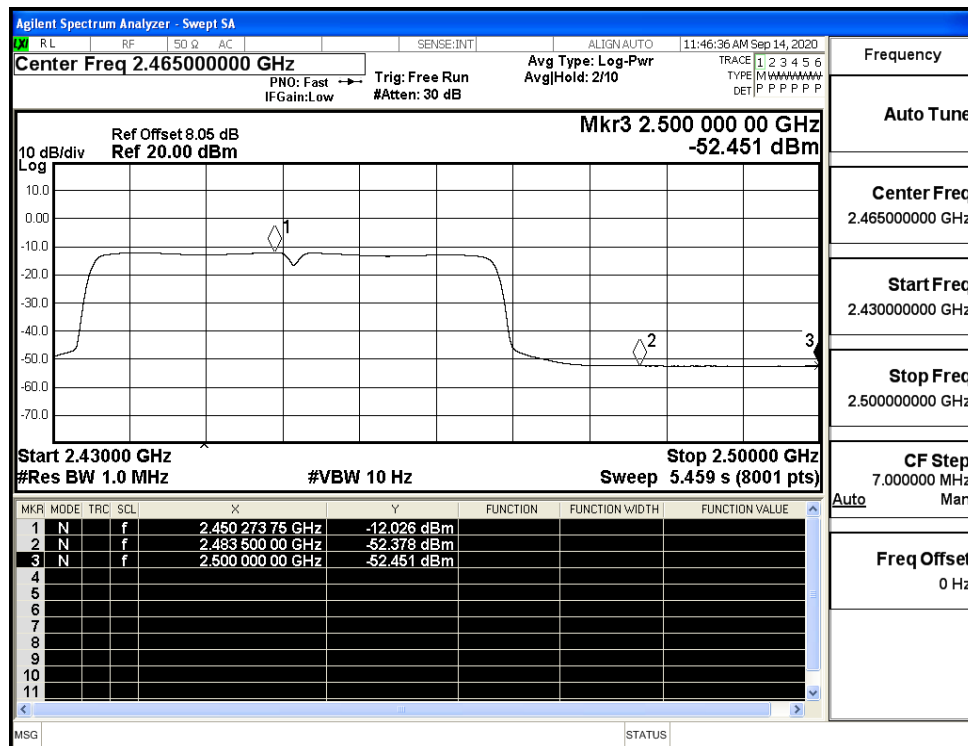
Restrict-band band-edge measurements_11N40_2422_Ant1_AV



Restrict-band band-edge measurements_11N40_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40_2452_Ant1_AV

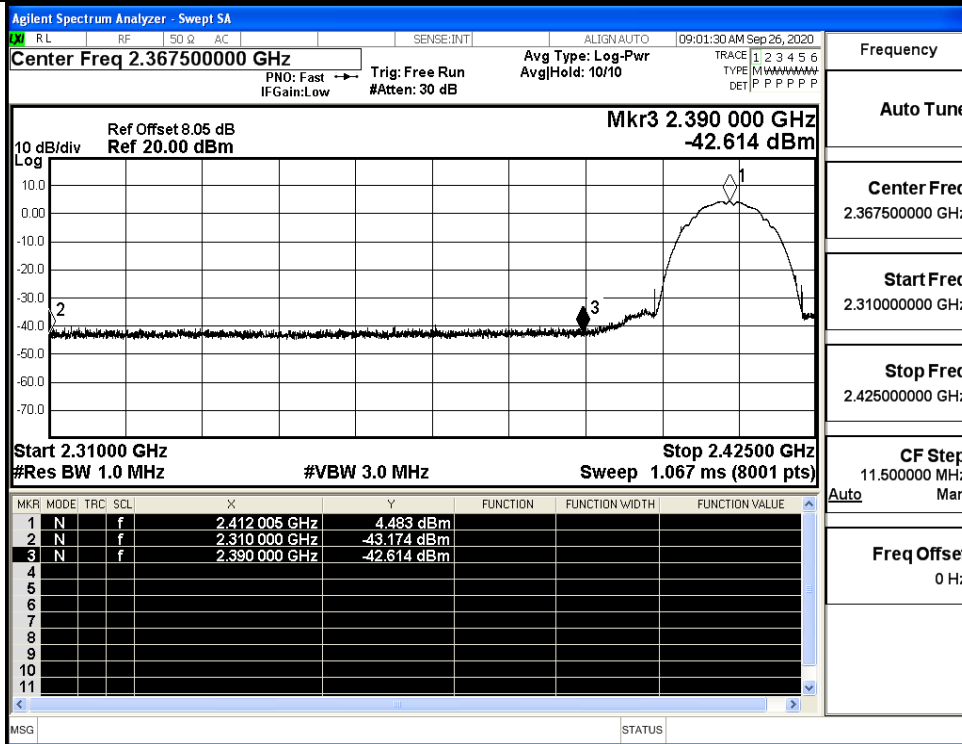


ANT 1

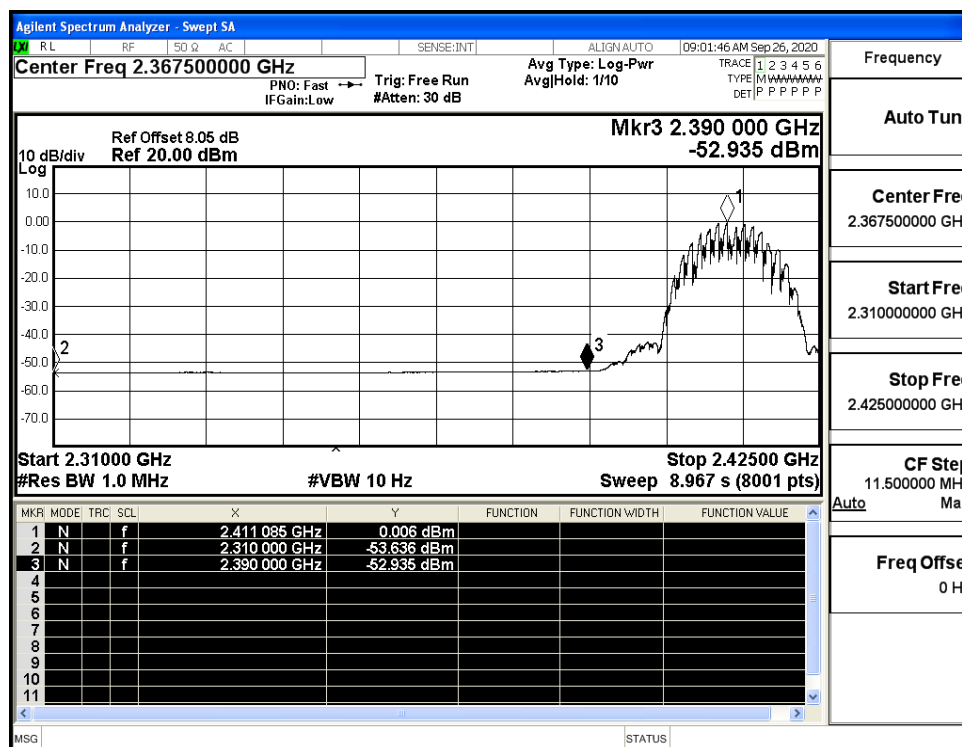
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-43.17	2.0	0	52.08	PEAK	74	PASS
	2412	Ant1	2310.0	-53.64	2.0	0	41.62	AV	54	PASS
	2412	Ant1	2390.0	-42.61	2.0	0	52.64	PEAK	74	PASS
	2412	Ant1	2390.0	-52.94	2.0	0	42.32	AV	54	PASS
	2462	Ant1	2483.5	-42.12	2.0	0	53.13	PEAK	74	PASS
	2462	Ant1	2483.5	-52.71	2.0	0	42.54	AV	54	PASS
	2462	Ant1	2500.0	-42.65	2.0	0	52.61	PEAK	74	PASS
	2462	Ant1	2500.0	-52.60	2.0	0	42.66	AV	54	PASS
11G	2412	Ant1	2310.0	-43.86	2.0	0	51.40	PEAK	74	PASS
	2412	Ant1	2310.0	-53.60	2.0	0	41.65	AV	54	PASS
	2412	Ant1	2390.0	-42.59	2.0	0	52.67	PEAK	74	PASS
	2412	Ant1	2390.0	-52.92	2.0	0	42.33	AV	54	PASS
	2462	Ant1	2483.5	-41.41	2.0	0	53.85	PEAK	74	PASS
	2462	Ant1	2483.5	-52.72	2.0	0	42.53	AV	54	PASS
	2462	Ant1	2500.0	-42.97	2.0	0	52.29	PEAK	74	PASS
	2462	Ant1	2500.0	-52.61	2.0	0	42.65	AV	54	PASS
11N20	2412	Ant1	2310.0	-42.63	2.0	0	52.63	PEAK	74	PASS
	2412	Ant1	2310.0	-53.60	2.0	0	41.66	AV	54	PASS
	2412	Ant1	2390.0	-42.82	2.0	0	52.44	PEAK	74	PASS
	2412	Ant1	2390.0	-53.10	2.0	0	42.16	AV	54	PASS
	2462	Ant1	2483.5	-41.58	2.0	0	53.68	PEAK	74	PASS
	2462	Ant1	2483.5	-52.63	2.0	0	42.63	AV	54	PASS
	2462	Ant1	2500.0	-43.06	2.0	0	52.20	PEAK	74	PASS
	2462	Ant1	2500.0	-52.61	2.0	0	42.65	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.50	2.0	0	51.76	PEAK	74	PASS
	2422	Ant1	2310.0	-53.60	2.0	0	41.66	AV	54	PASS
	2422	Ant1	2390.0	-42.93	2.0	0	52.33	PEAK	74	PASS

	2422	Ant1	2390.0	-52.85	2.0	0	42.41	AV	54	PASS
	2452	Ant1	2483.5	-42.02	2.0	0	53.23	PEAK	74	PASS
	2452	Ant1	2483.5	-52.33	2.0	0	42.93	AV	54	PASS
	2452	Ant1	2500.0	-41.53	2.0	0	53.73	PEAK	74	PASS
	2452	Ant1	2500.0	-52.54	2.0	0	42.72	AV	54	PASS

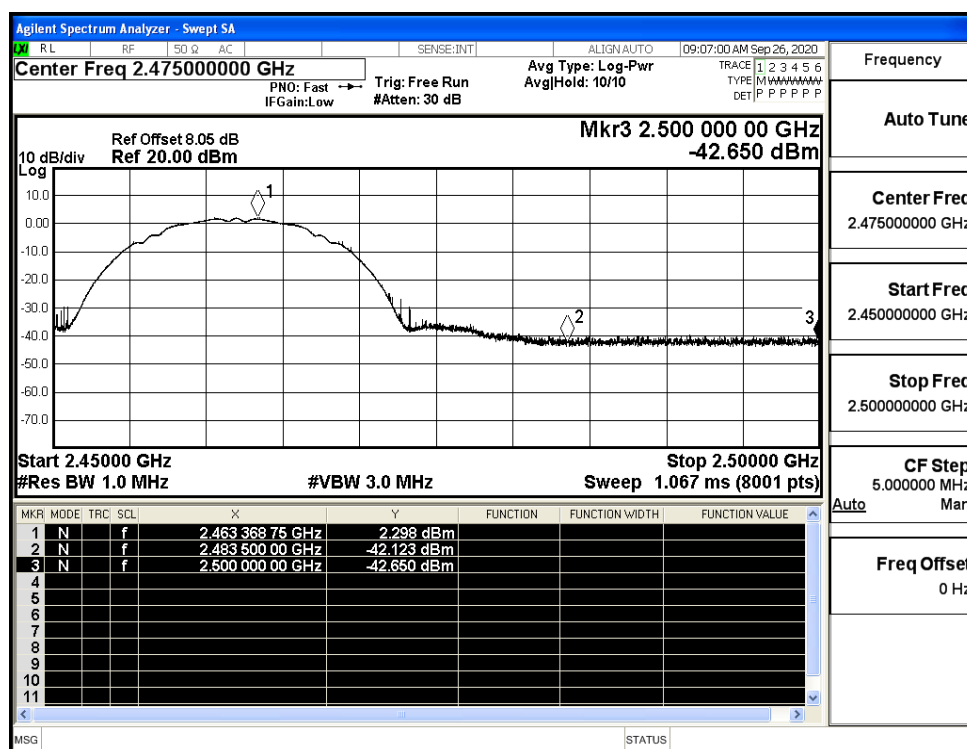
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



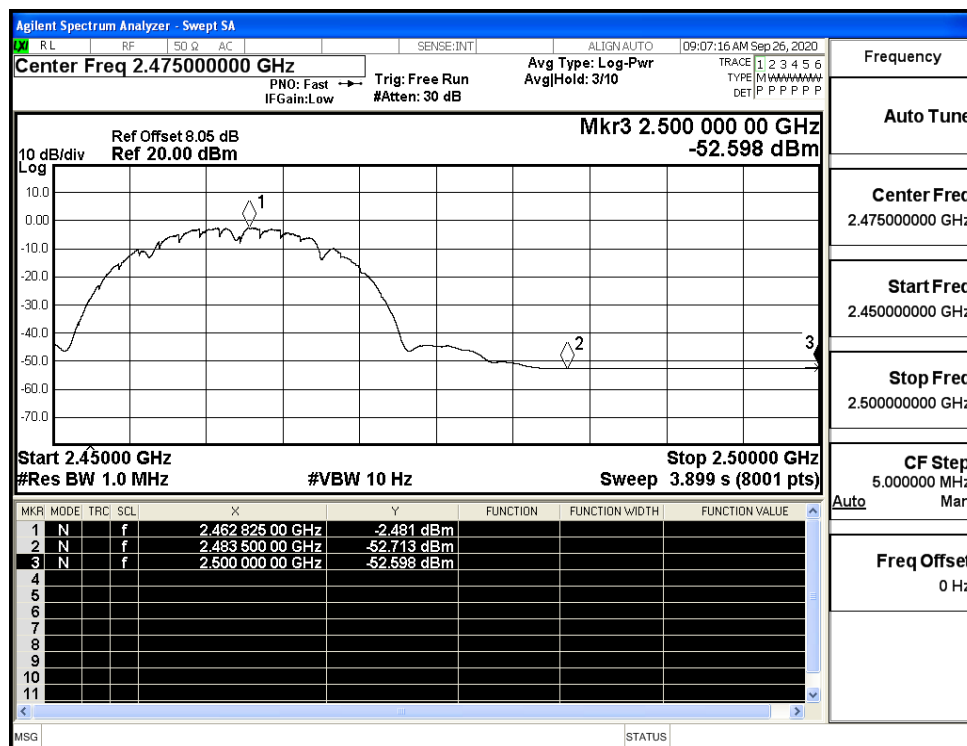
Restrict-band band-edge measurements_11B_2412_Ant1_AV



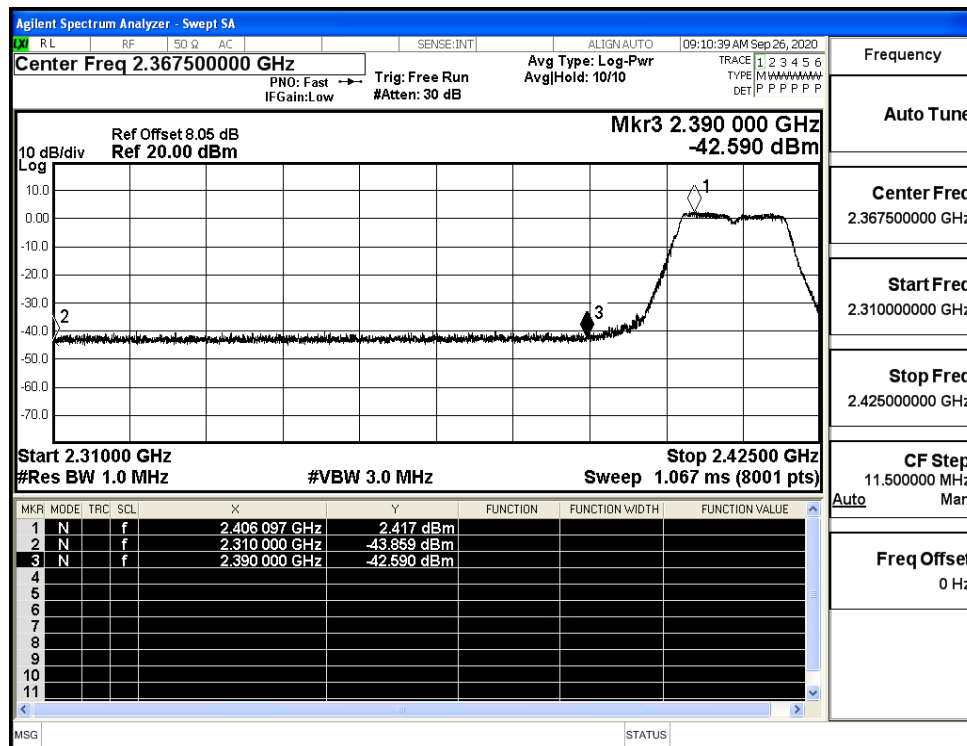
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



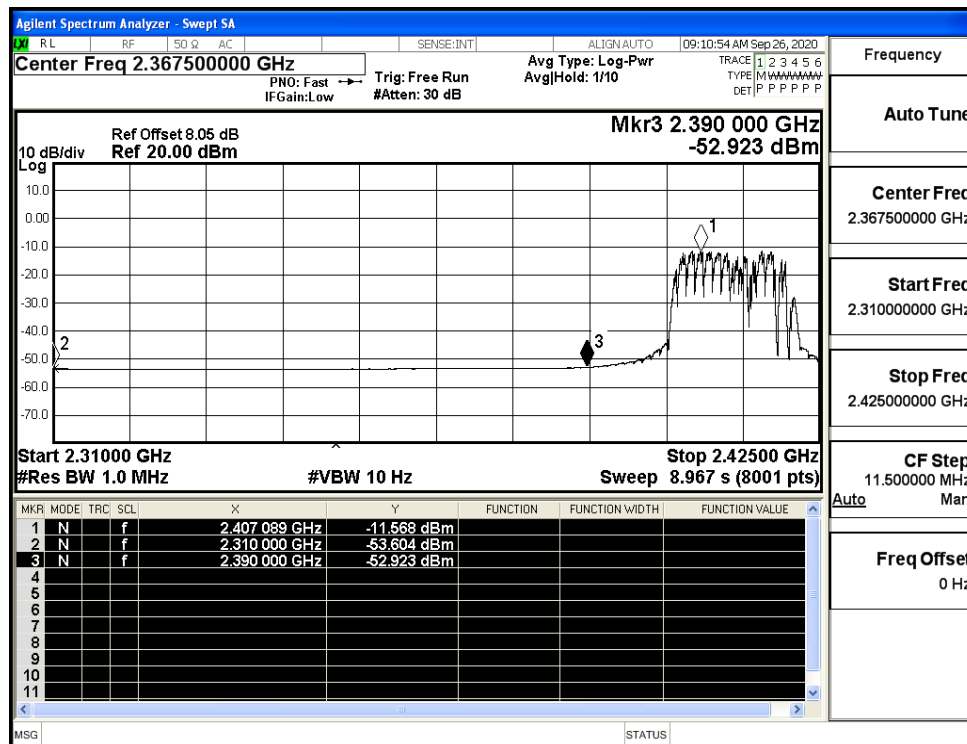
Restrict-band band-edge measurements_11B_2462_Ant1_AV



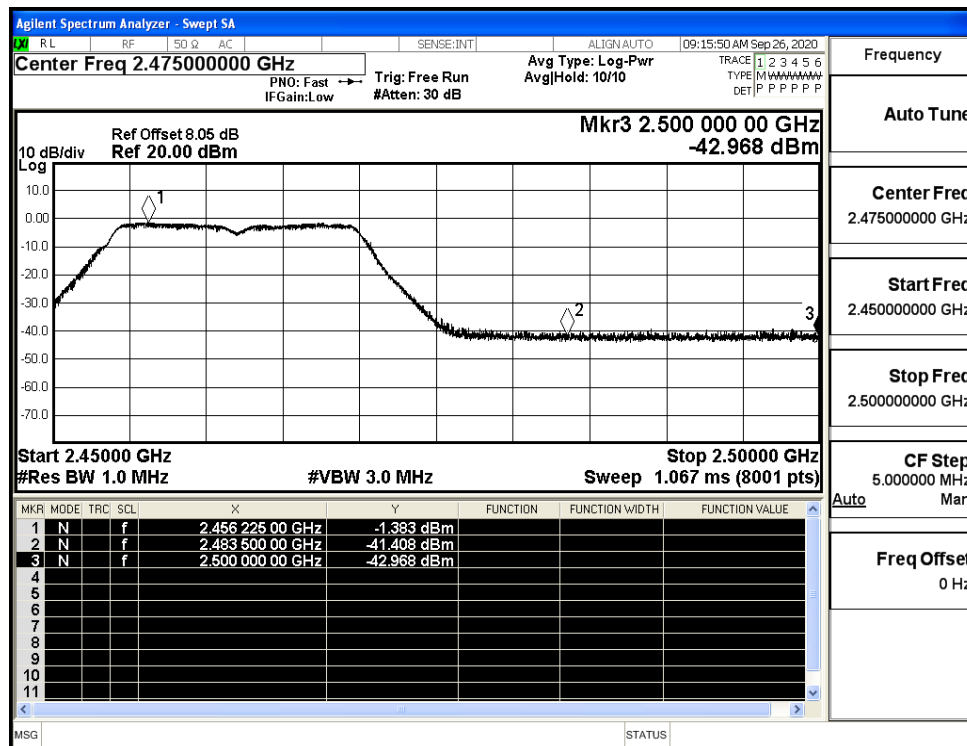
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



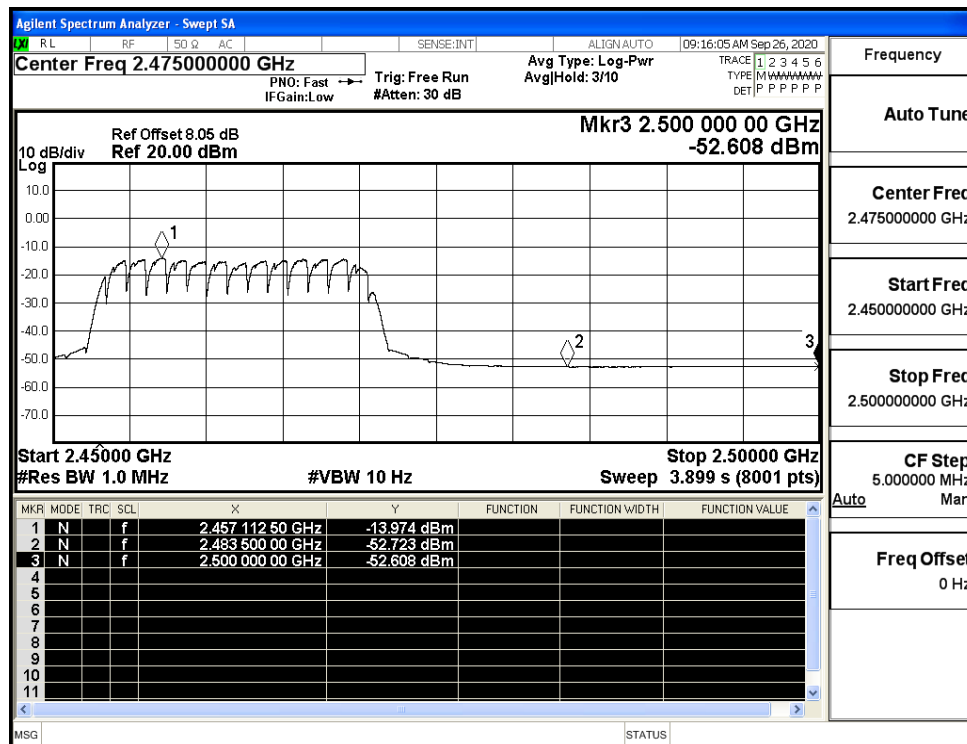
Restrict-band band-edge measurements_11G_2412_Ant1_AV



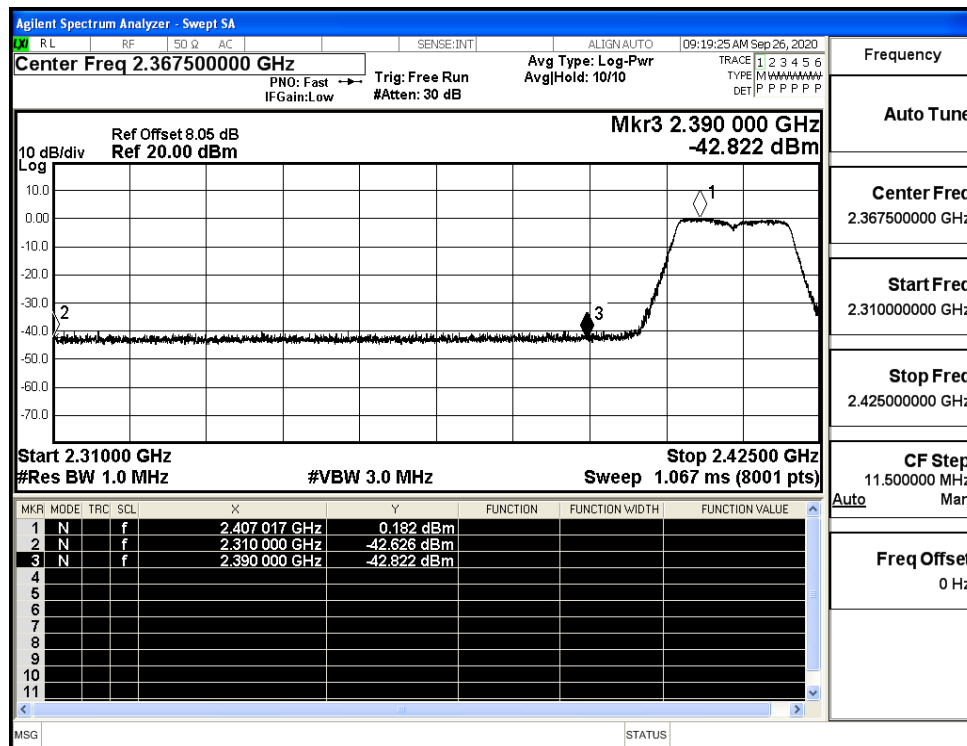
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



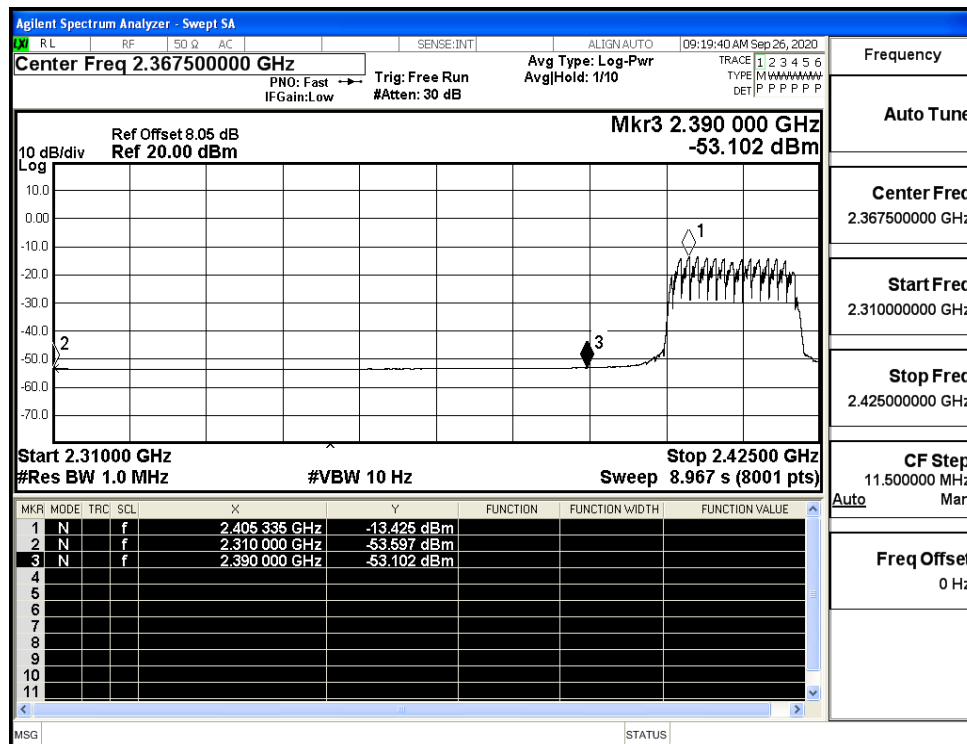
Restrict-band band-edge measurements_11G_2462_Ant1_AV



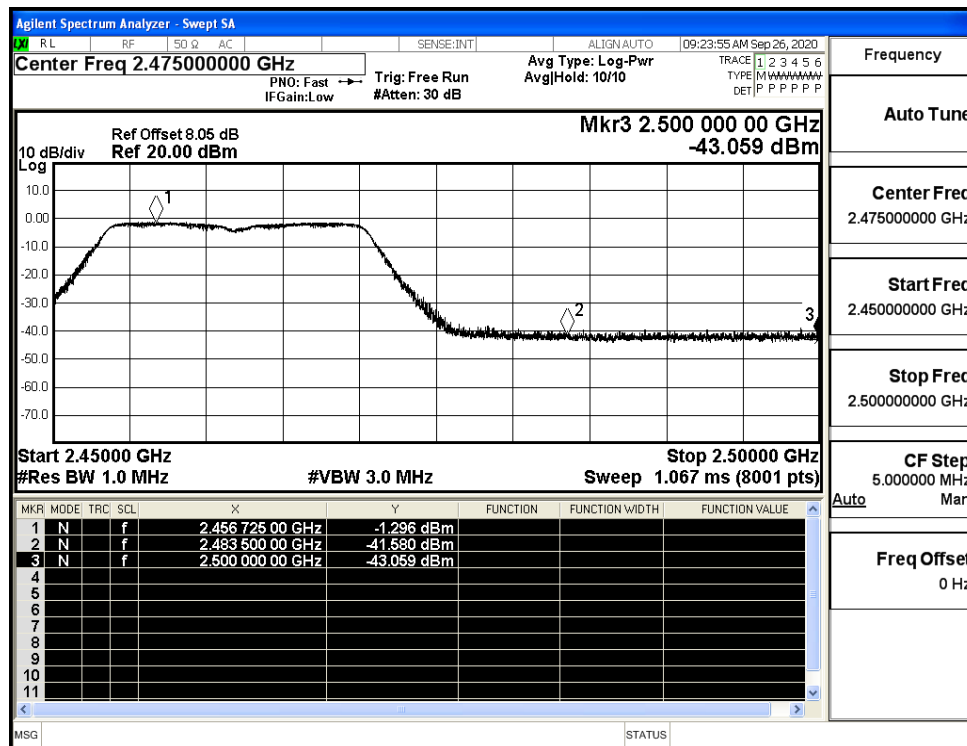
Restrict-band band-edge measurements_11N20_2412_Ant1_PEAK



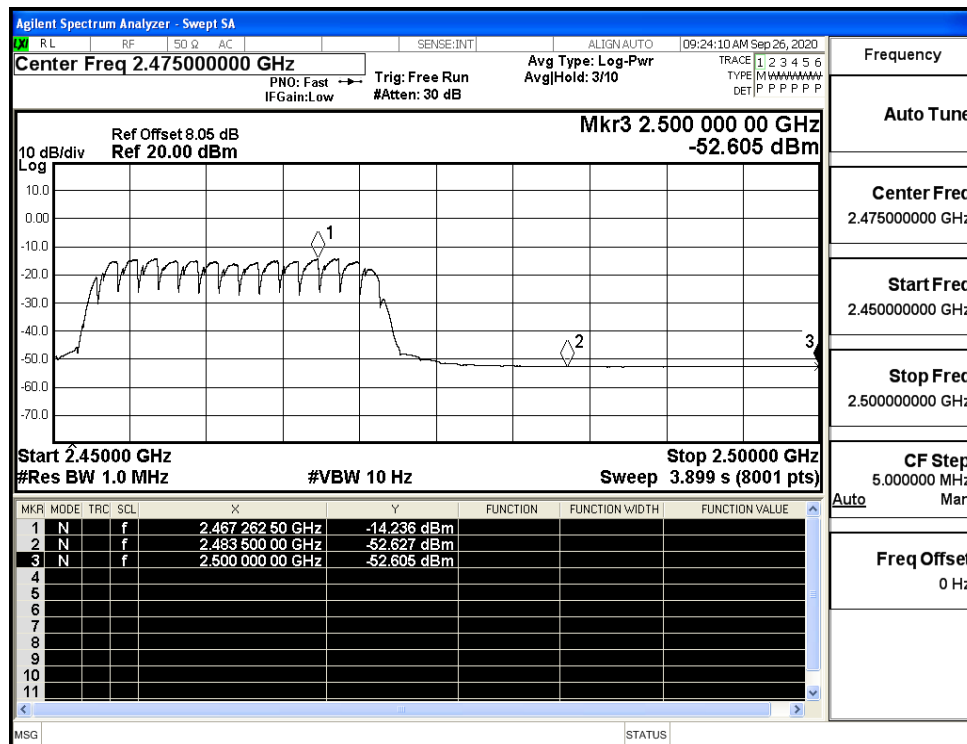
Restrict-band band-edge measurements_11N20_2412_Ant1_AV



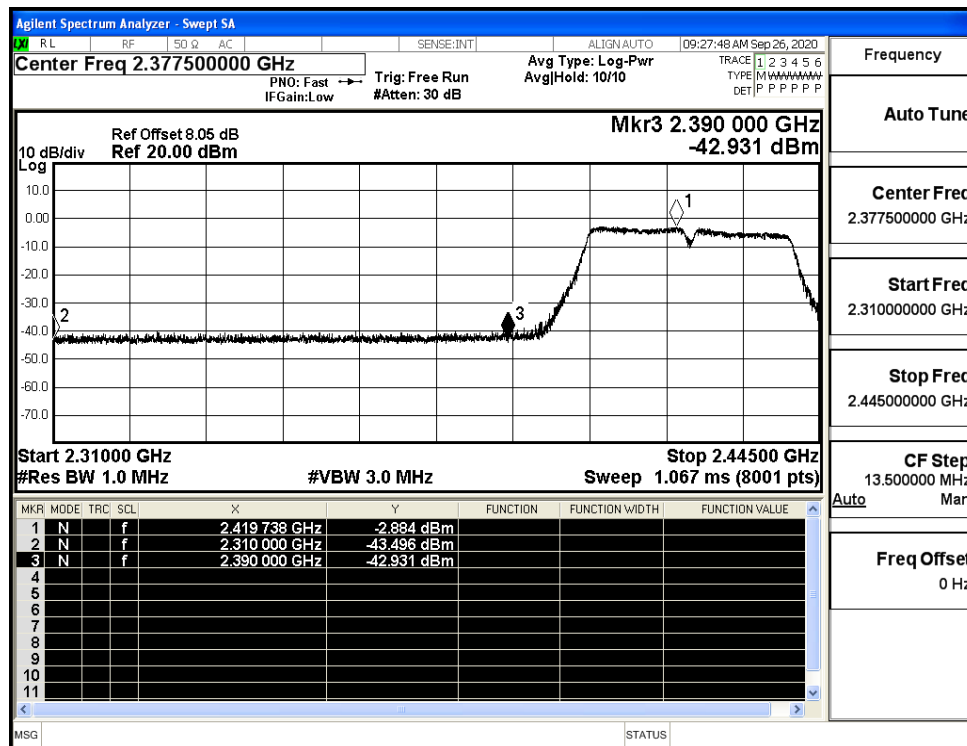
Restrict-band band-edge measurements_11N20_2462_Ant1_PEAK



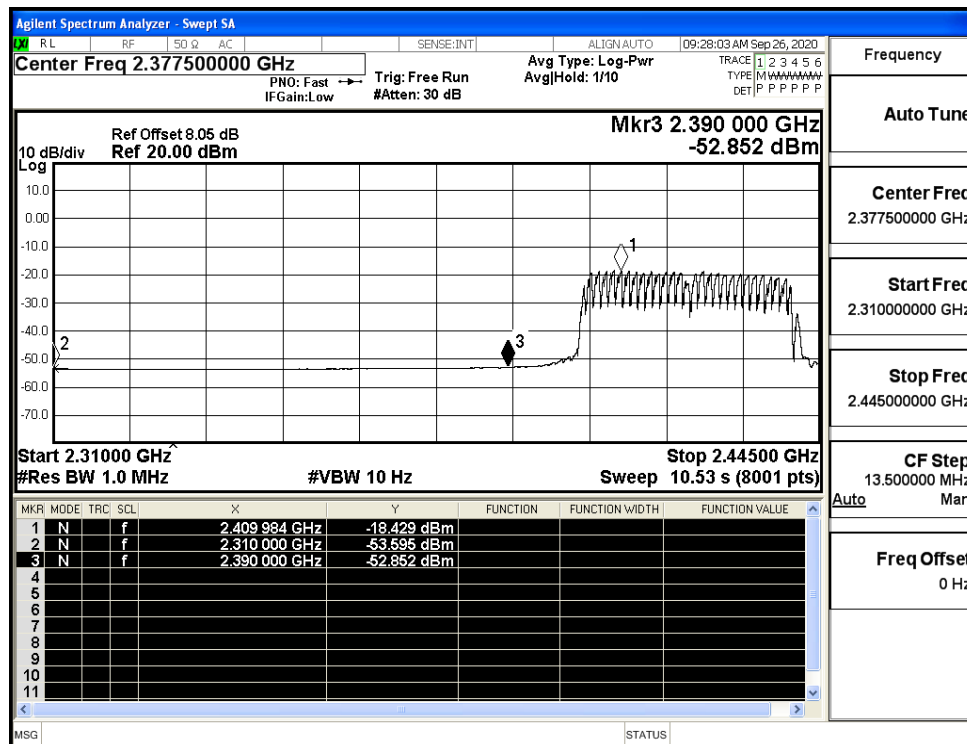
Restrict-band band-edge measurements_11N20_2462_Ant1_AV



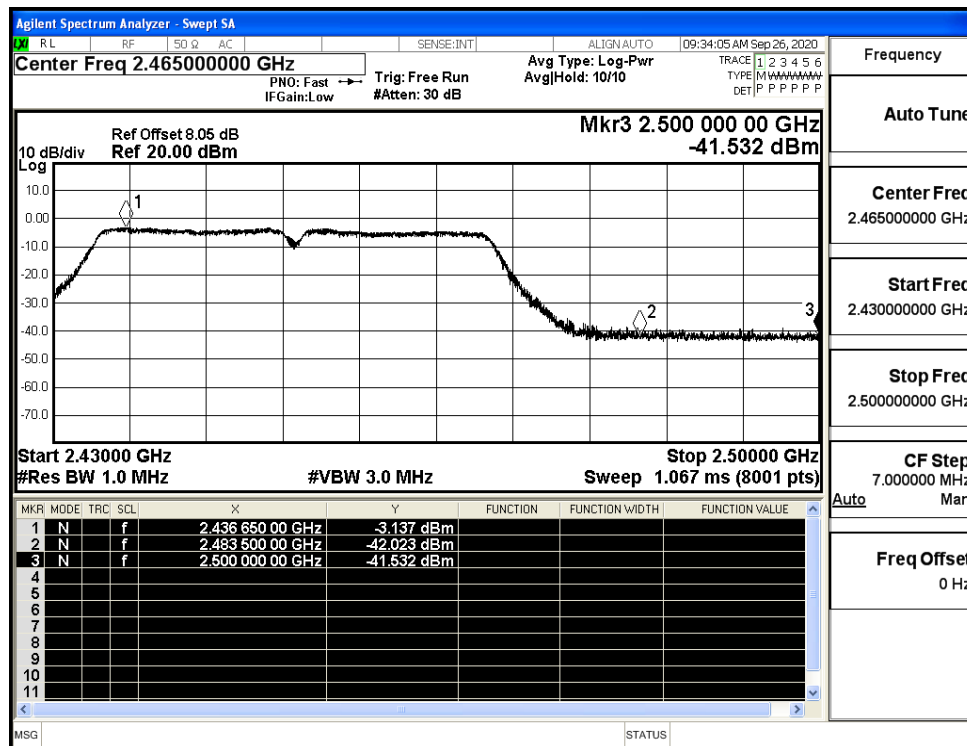
Restrict-band band-edge measurements_11N40_2422_Ant1_PEAK



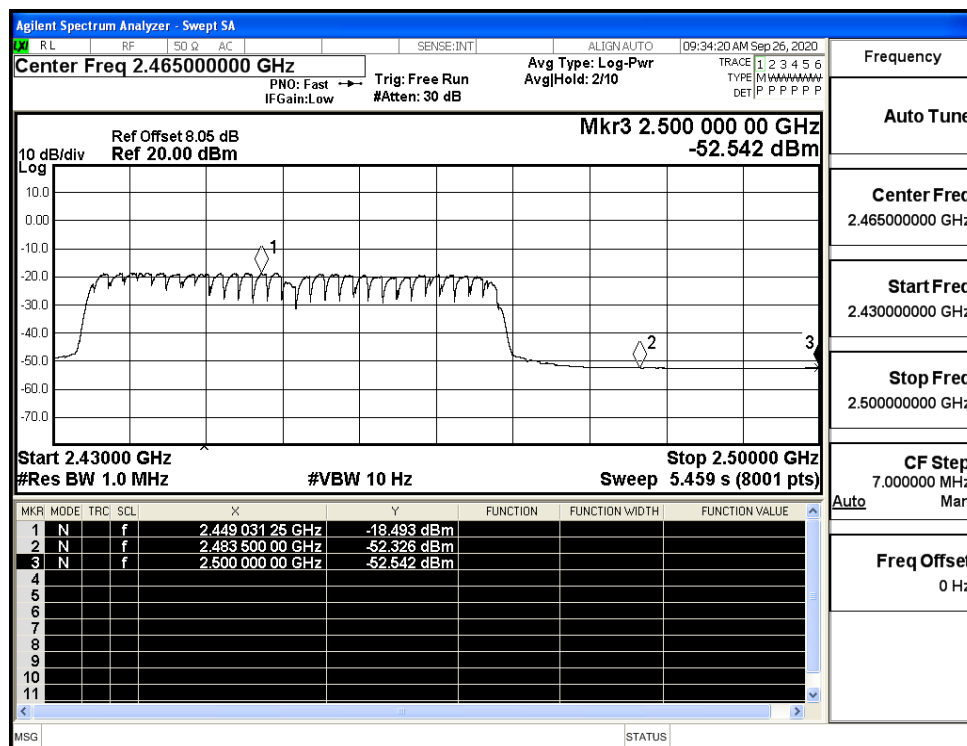
Restrict-band band-edge measurements_11N40_2422_Ant1_AV



Restrict-band band-edge measurements_11N40_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40_2452_Ant1_AV



MIMO

Test Mode	Test Channel	Freq.	ANT 0 Power [dBm]	ANT 1 Power [dBm]	MIMO Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11N20	2412	2310.0	-43.36	-42.63	-39.97	5.01	0	58.29	PEAK	74	PASS
	2412	2310.0	-53.66	-53.6	-50.62	5.01	0	47.64	AV	54	PASS
	2412	2390.0	-42.21	-42.82	-39.49	5.01	0	58.77	PEAK	74	PASS
	2412	2390.0	-52.84	-53.1	-49.96	5.01	0	48.30	AV	54	PASS
	2462	2483.5	-41.61	-41.58	-38.58	5.01	0	59.68	PEAK	74	PASS
	2462	2483.5	-52.44	-52.63	-49.52	5.01	0	48.74	AV	54	PASS
	2462	2500.0	-41.39	-43.06	-39.13	5.01	0	59.13	PEAK	74	PASS
	2462	2500.0	-52.52	-52.61	-49.55	5.01	0	48.71	AV	54	PASS
11N40	2422	2310.0	-43.22	-43.5	-40.35	5.01	0	57.91	PEAK	74	PASS
	2422	2310.0	-53.65	-53.6	-50.61	5.01	0	47.65	AV	54	PASS
	2422	2390.0	-41.83	-42.93	-39.33	5.01	0	58.93	PEAK	74	PASS
	2422	2390.0	-52.34	-52.85	-49.58	5.01	0	48.68	AV	54	PASS
	2452	2483.5	-42.5	-42.02	-39.24	5.01	0	59.02	PEAK	74	PASS
	2452	2483.5	-52.38	-52.33	-49.34	5.01	0	48.92	AV	54	PASS
	2452	2500.0	-42.24	-41.53	-38.86	5.01	0	59.40	PEAK	74	PASS
	2452	2500.0	-52.45	-52.54	-49.48	5.01	0	48.78	AV	54	PASS

$E \text{ [dBuV/m]} = \text{Power [dBm]} + \text{Gain} + \text{Ground Factor} + 93.25$

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