

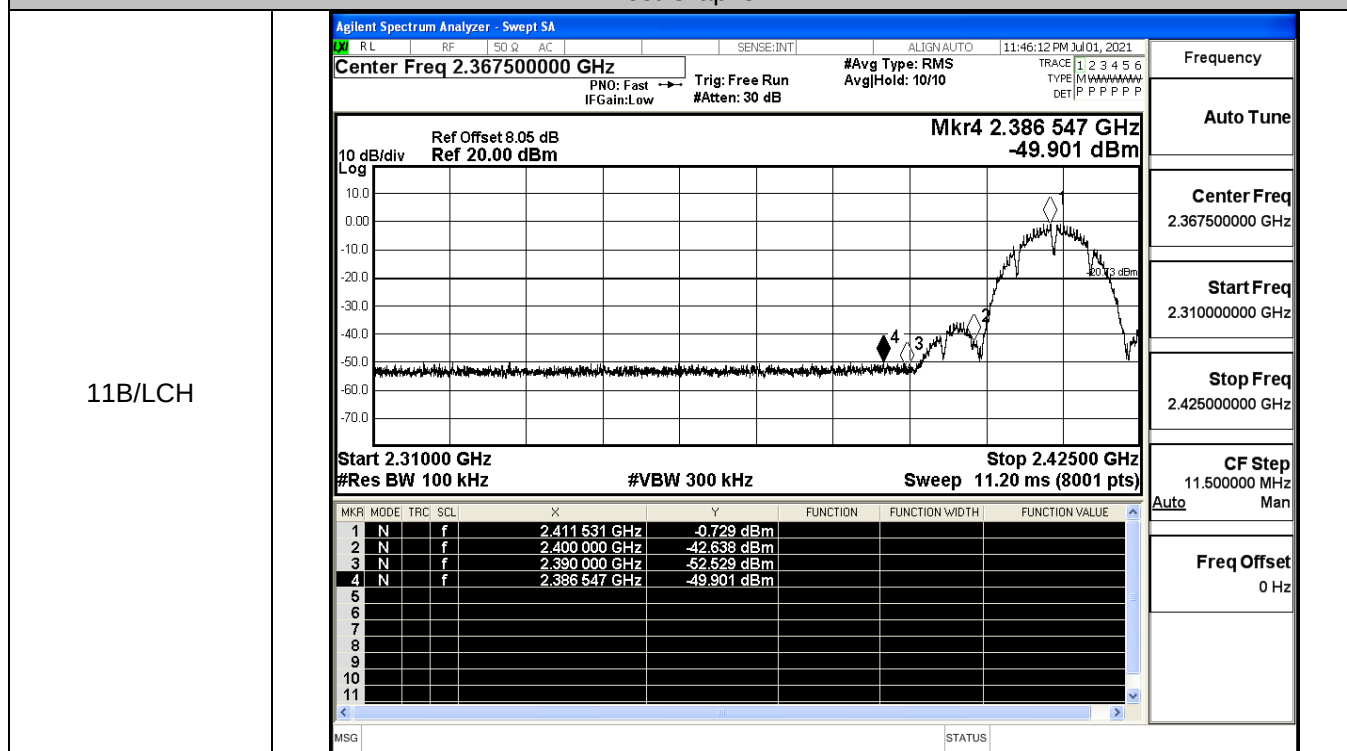


C.7 Band-edge for RF Conducted Emissions

ANT0

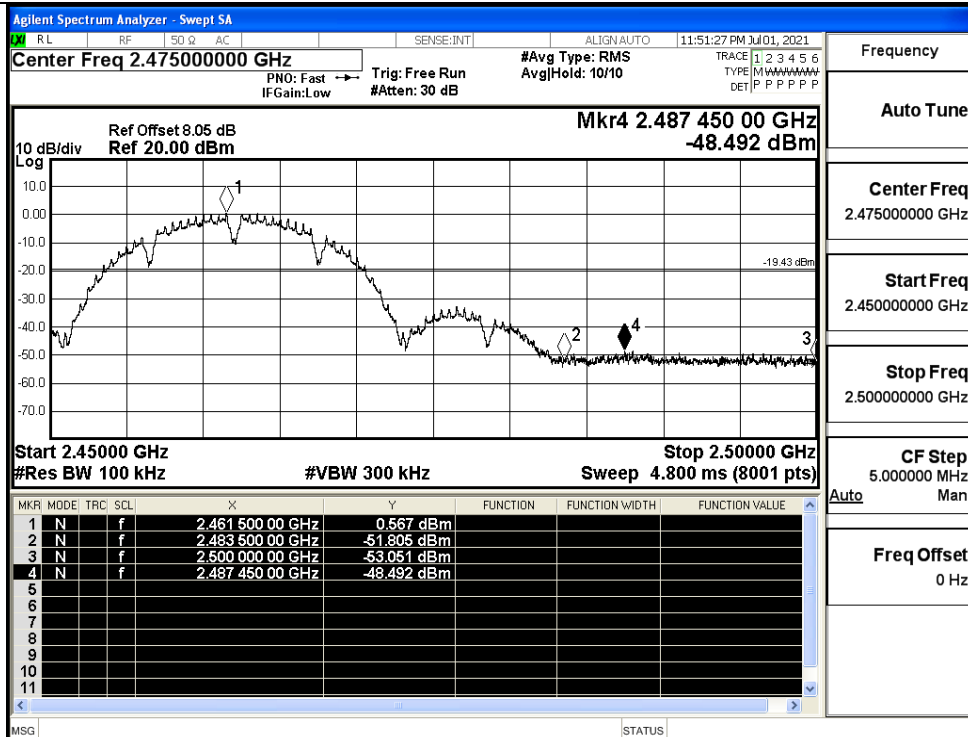
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.729	-49.901	-20.73	PASS
	HCH	0.567	-48.492	-19.43	PASS
11G	LCH	-7.952	-49.147	-27.95	PASS
	HCH	-3.909	-48.652	-23.91	PASS
11N20SISO	LCH	-8.601	-49.256	-28.6	PASS
	HCH	-3.896	-48.594	-23.9	PASS
11N40SISO	LCH	-10.245	-49.876	-30.25	PASS
	HCH	-8.084	-47.891	-28.08	PASS

Test Graphs

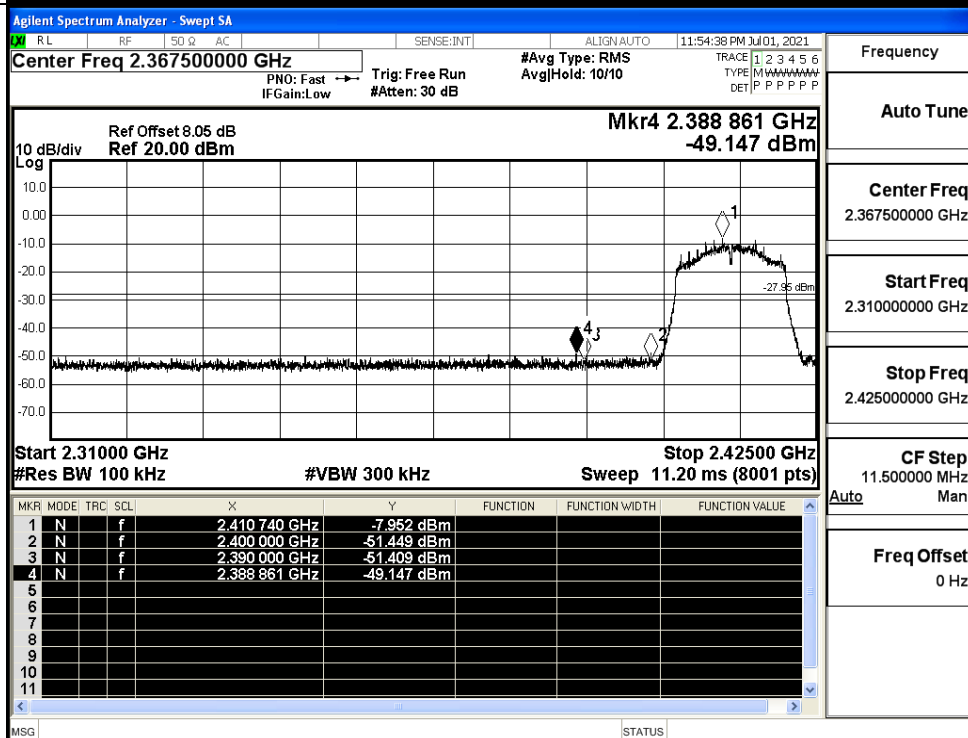




11B/HCH

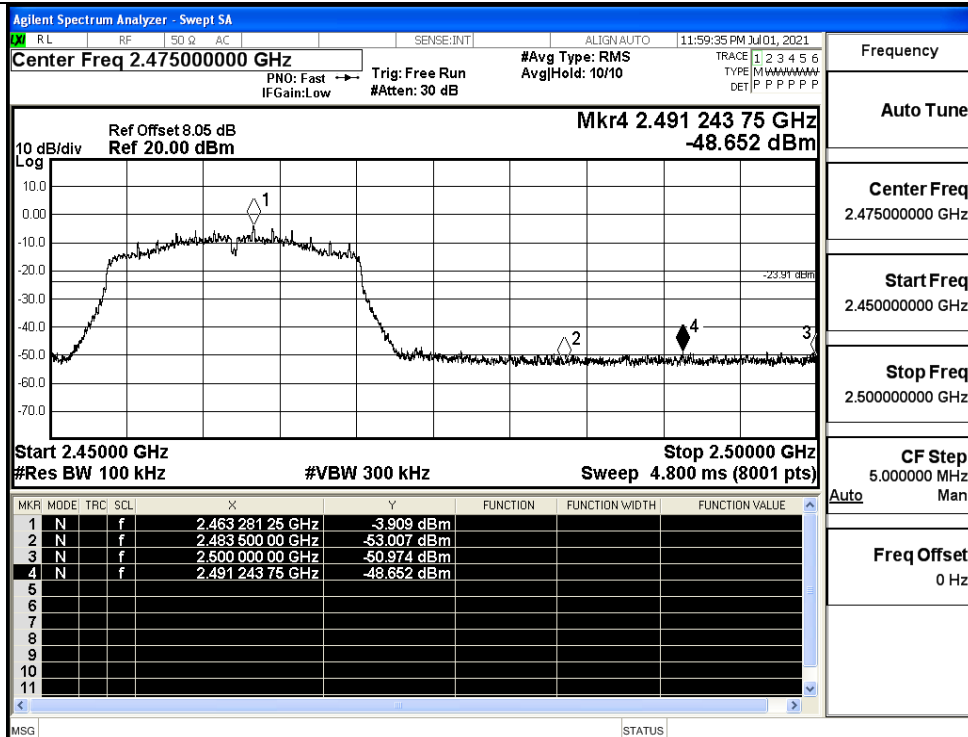


11G/LCH





11G/HCH



Frequency

Auto Tune

Center Freq
2.475000000 GHz

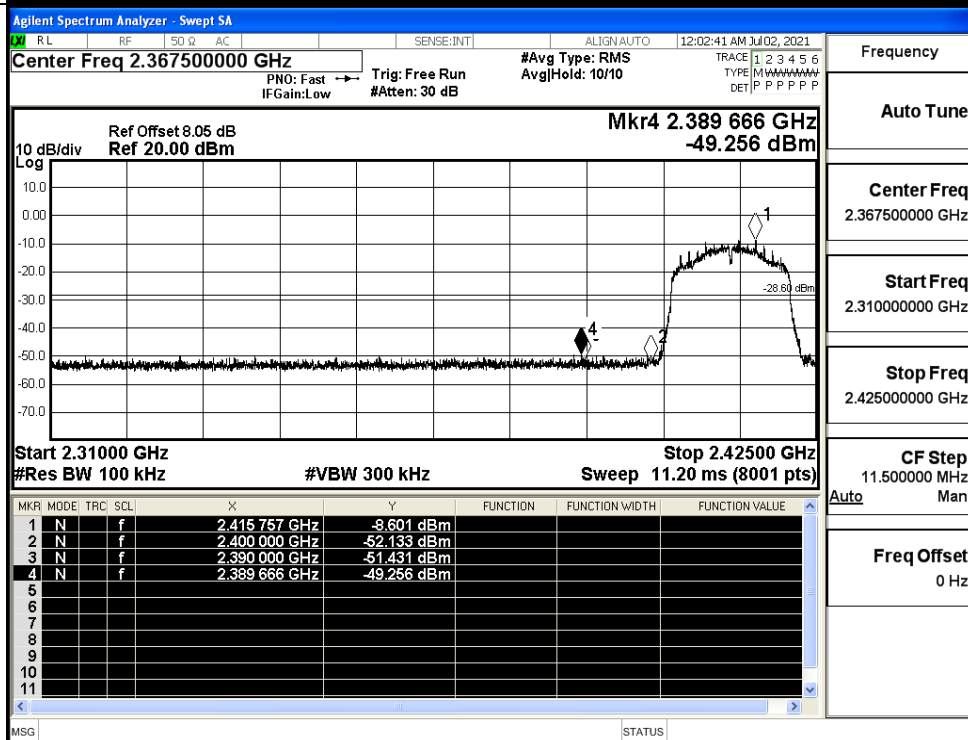
Start Freq
2.450000000 GHz

Stop Freq
2.500000000 GHz

CF Step
5.000000 MHz

Freq Offset
0 Hz

11N20SISO/LCH



Frequency

Auto Tune

Center Freq
2.367500000 GHz

Start Freq
2.310000000 GHz

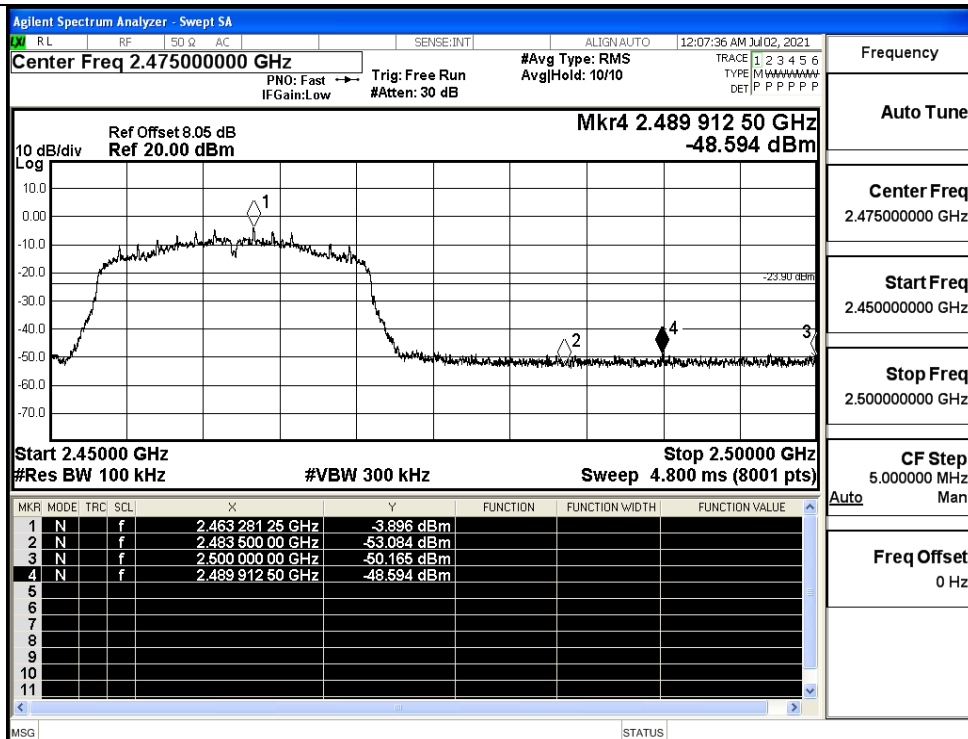
Stop Freq
2.425000000 GHz

CF Step
11.500000 MHz

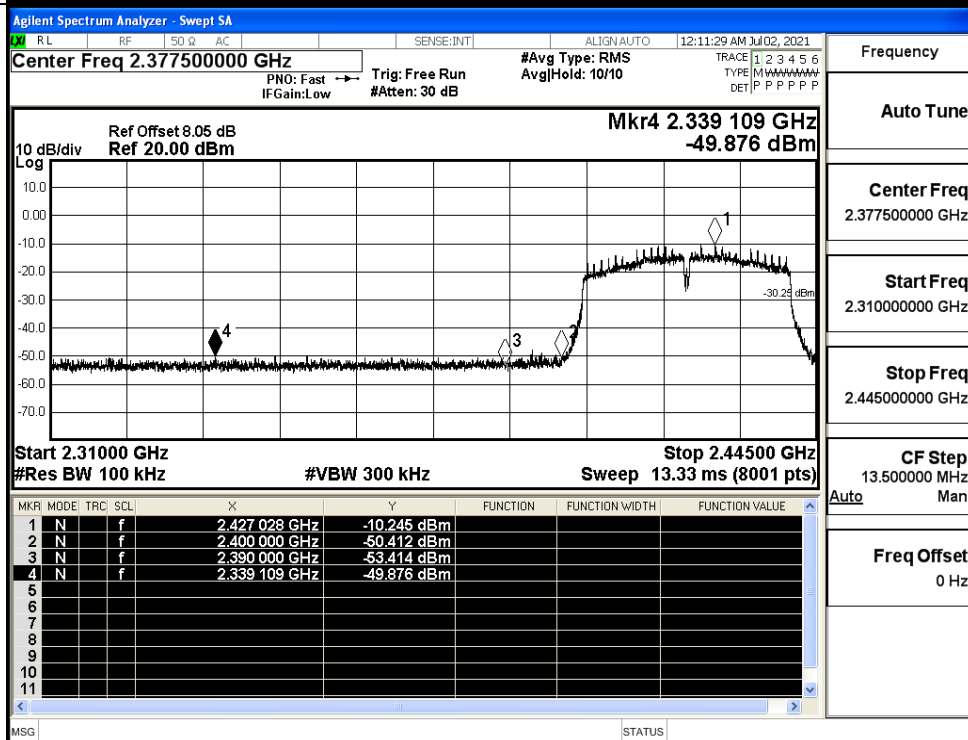
Freq Offset
0 Hz

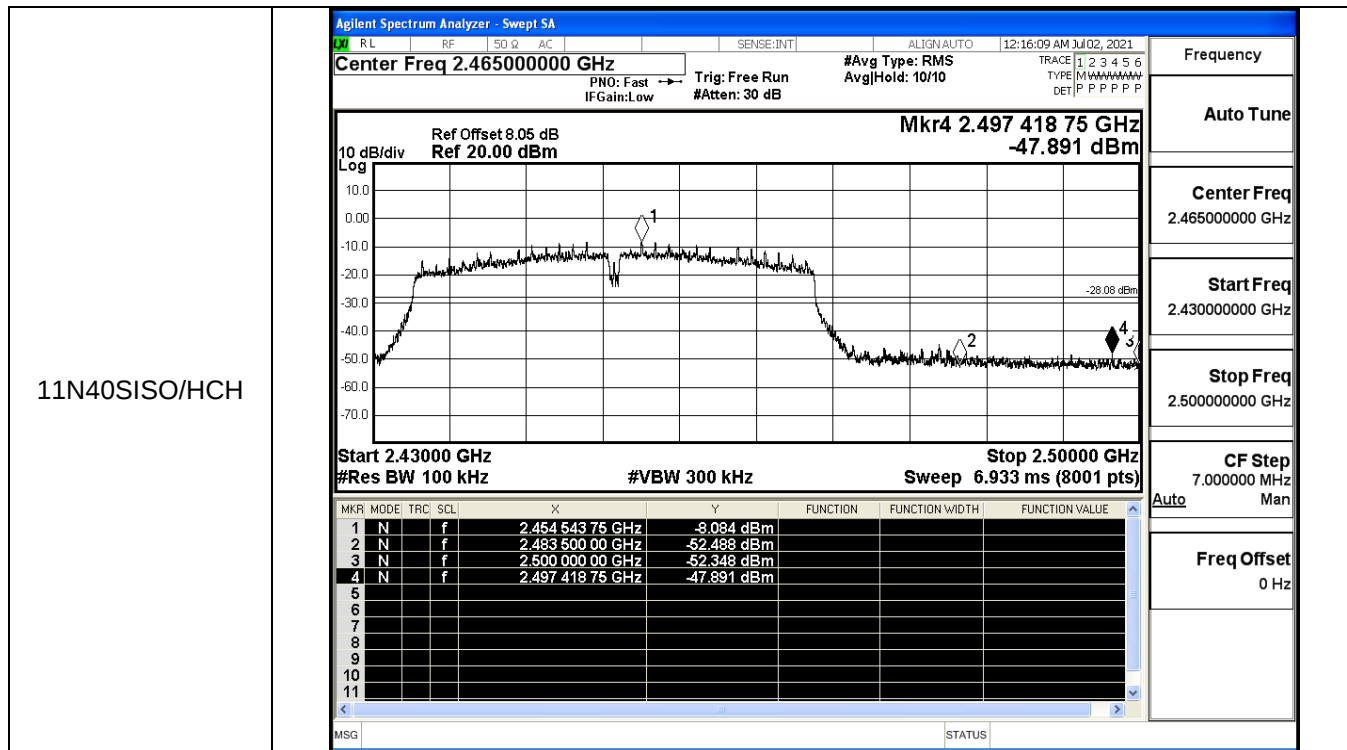


11N20SISO/HCH



11N40SISO/LCH





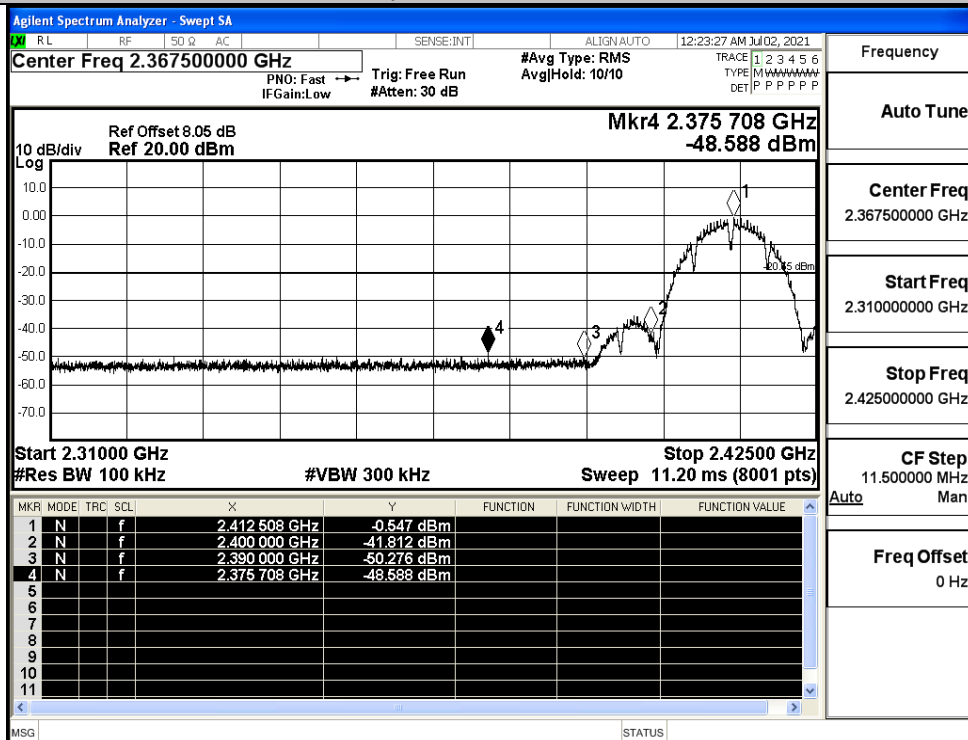
ANT1

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.547	-48.588	-20.55	PASS
	HCH	0.619	-48.684	-19.38	PASS
11G	LCH	-7.427	-49.183	-27.43	PASS
	HCH	-3.998	-49.342	-24	PASS
11N20SISO	LCH	-7.915	-49.981	-27.92	PASS
	HCH	-4.052	-48.437	-24.05	PASS
11N40SISO	LCH	-10.318	-49.936	-30.32	PASS
	HCH	-8.332	-46.804	-28.33	PASS

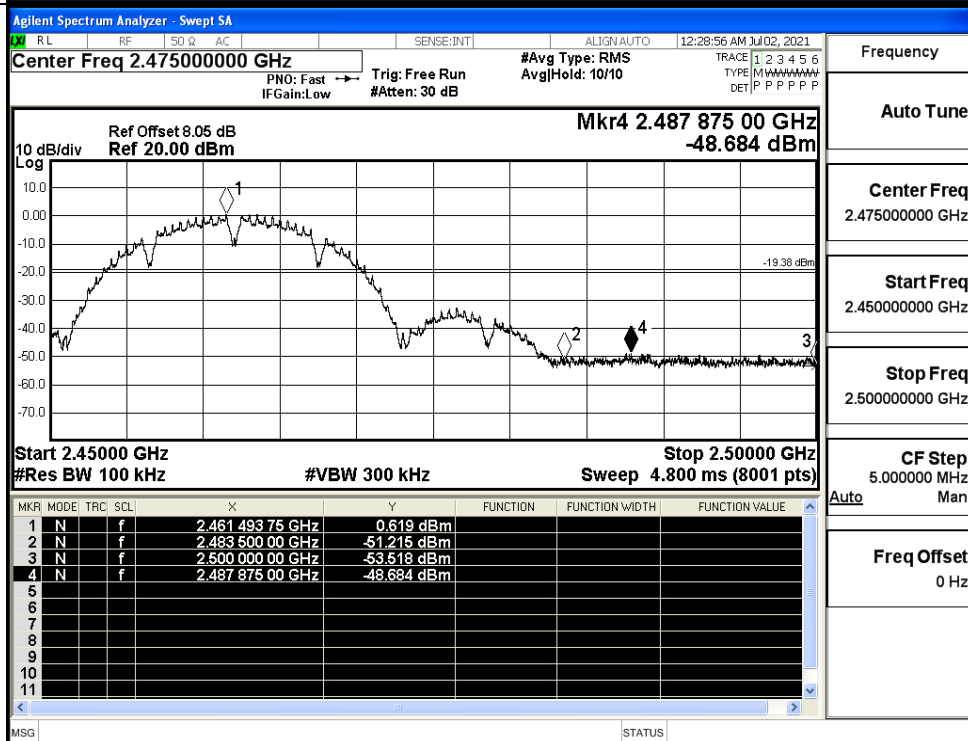


Test Graphs

11B/LCH

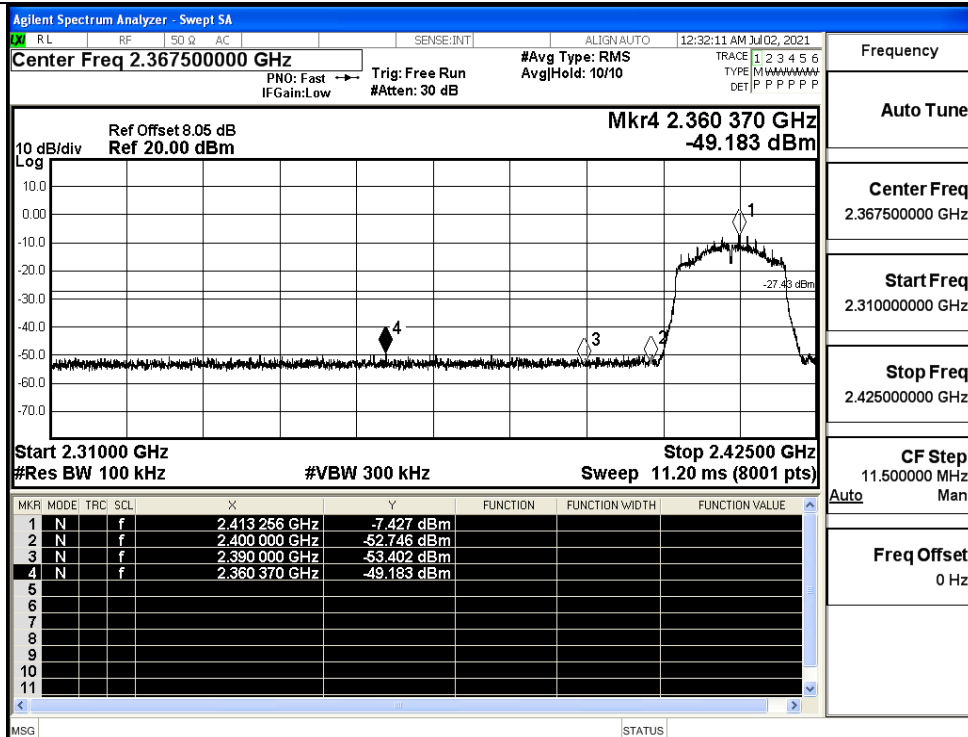


11B/HCH

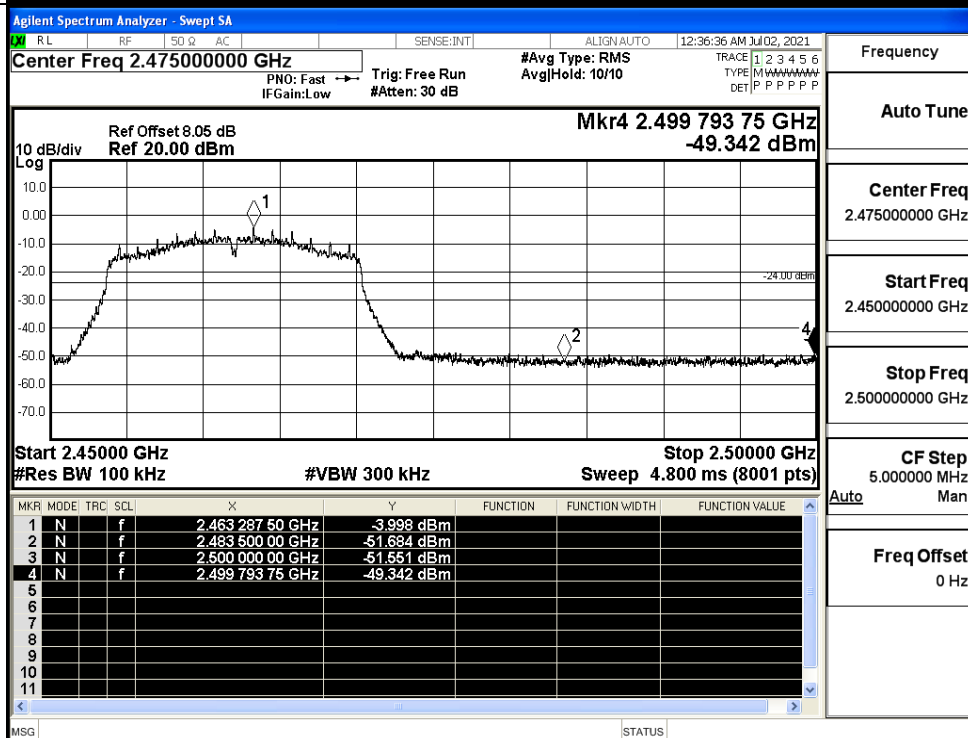




11G/LCH

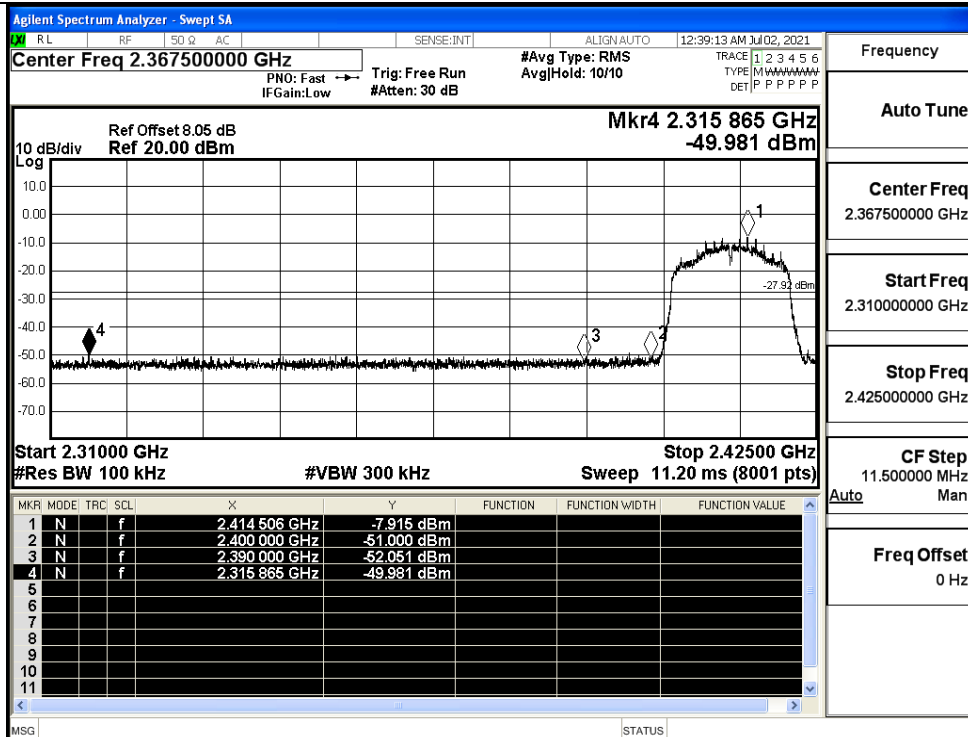


11G/HCH





11N20SISO/LCH



Frequency

Auto Tune

Center Freq
2.367500000 GHz

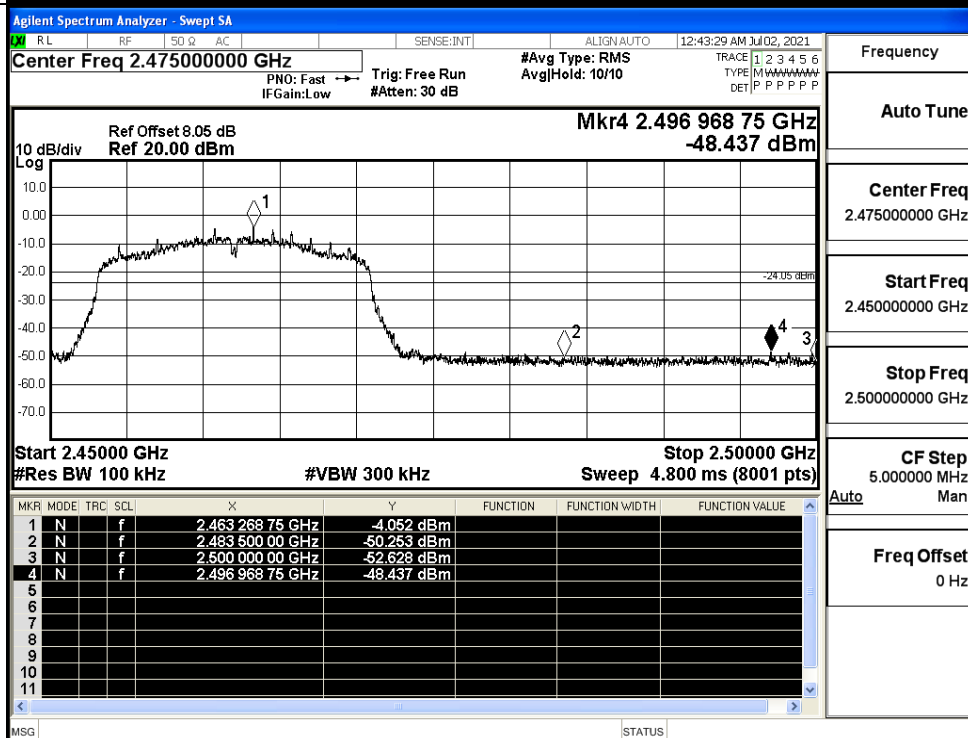
Start Freq
2.310000000 GHz

Stop Freq
2.425000000 GHz

CF Step
11.500000 MHz
Auto Man

Freq Offset
0 Hz

11N20SISO/HCH



Frequency

Auto Tune

Center Freq
2.475000000 GHz

Start Freq
2.450000000 GHz

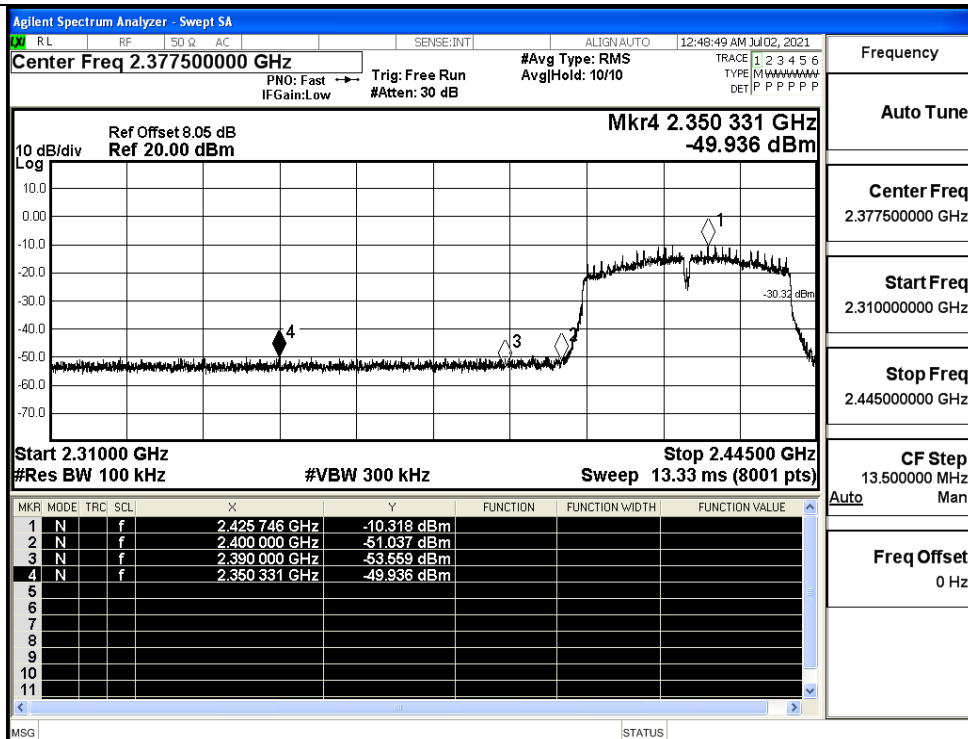
Stop Freq
2.500000000 GHz

CF Step
5.000000 MHz
Auto Man

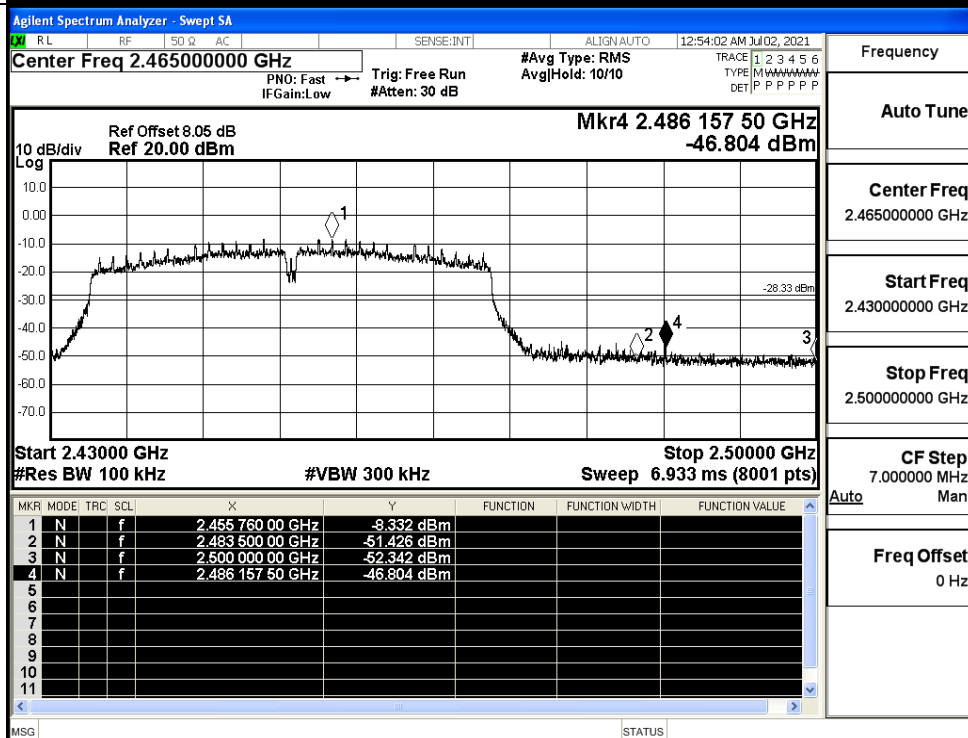
Freq Offset
0 Hz



11N40SISO/LCH



11N40SISO/HCH





C.8 Restrict-band band-edge measurements

ANTO

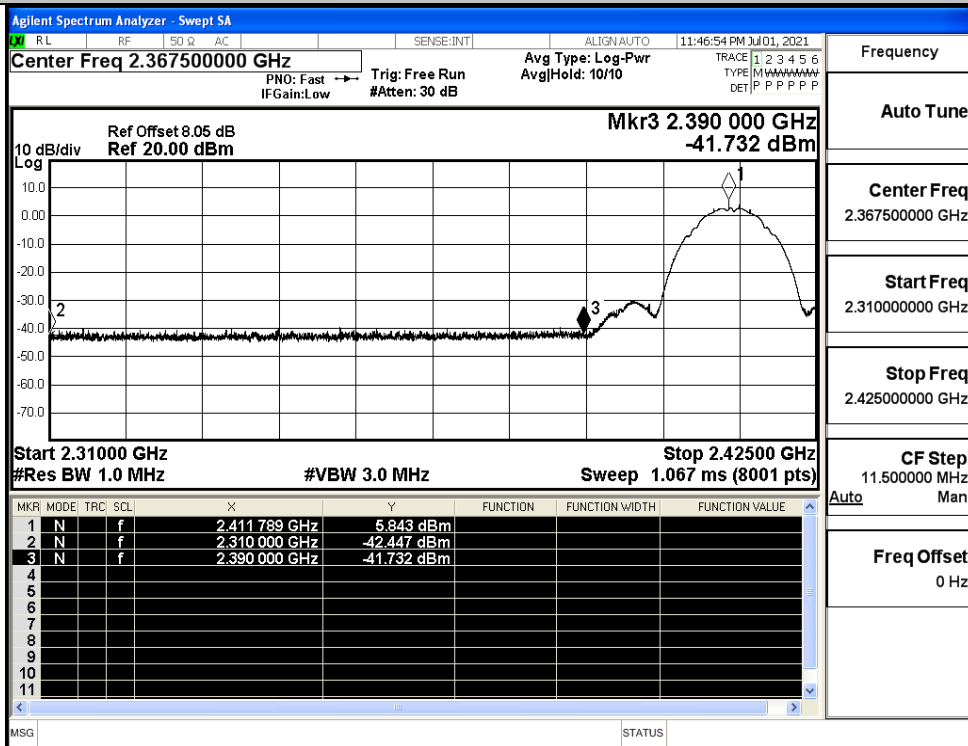
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-42.45	2.0	0	52.81	PEAK	74	PASS
	2412	Ant1	2310.0	-53.58	2.0	0	41.68	AV	54	PASS
	2412	Ant1	2390.0	-41.73	2.0	0	53.53	PEAK	74	PASS
	2412	Ant1	2390.0	-52.84	2.0	0	42.42	AV	54	PASS
	2462	Ant1	2483.5	-41.55	2.0	0	53.70	PEAK	74	PASS
	2462	Ant1	2483.5	-52.07	2.0	0	43.19	AV	54	PASS
	2462	Ant1	2500.0	-41.57	2.0	0	53.69	PEAK	74	PASS
	2462	Ant1	2500.0	-52.40	2.0	0	42.86	AV	54	PASS
11G	2412	Ant1	2310.0	-42.75	2.0	0	52.51	PEAK	74	PASS
	2412	Ant1	2310.0	-53.51	2.0	0	41.75	AV	54	PASS
	2412	Ant1	2390.0	-40.52	2.0	0	54.74	PEAK	74	PASS
	2412	Ant1	2390.0	-53.09	2.0	0	42.17	AV	54	PASS
	2462	Ant1	2483.5	-41.20	2.0	0	54.06	PEAK	74	PASS
	2462	Ant1	2483.5	-52.28	2.0	0	42.98	AV	54	PASS
	2462	Ant1	2500.0	-41.83	2.0	0	53.42	PEAK	74	PASS
	2462	Ant1	2500.0	-51.98	2.0	0	43.28	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-42.59	2.0	0	52.66	PEAK	74	PASS
	2412	Ant1	2310.0	-53.50	2.0	0	41.76	AV	54	PASS
	2412	Ant1	2390.0	-42.63	2.0	0	52.62	PEAK	74	PASS
	2412	Ant1	2390.0	-53.08	2.0	0	42.18	AV	54	PASS
	2462	Ant1	2483.5	-41.33	2.0	0	53.93	PEAK	74	PASS
	2462	Ant1	2483.5	-52.20	2.0	0	43.05	AV	54	PASS
	2462	Ant1	2500.0	-41.11	2.0	0	54.15	PEAK	74	PASS
	2462	Ant1	2500.0	-51.92	2.0	0	43.34	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-42.85	2.0	0	52.41	PEAK	74	PASS
	2422	Ant1	2310.0	-53.52	2.0	0	41.74	AV	54	PASS



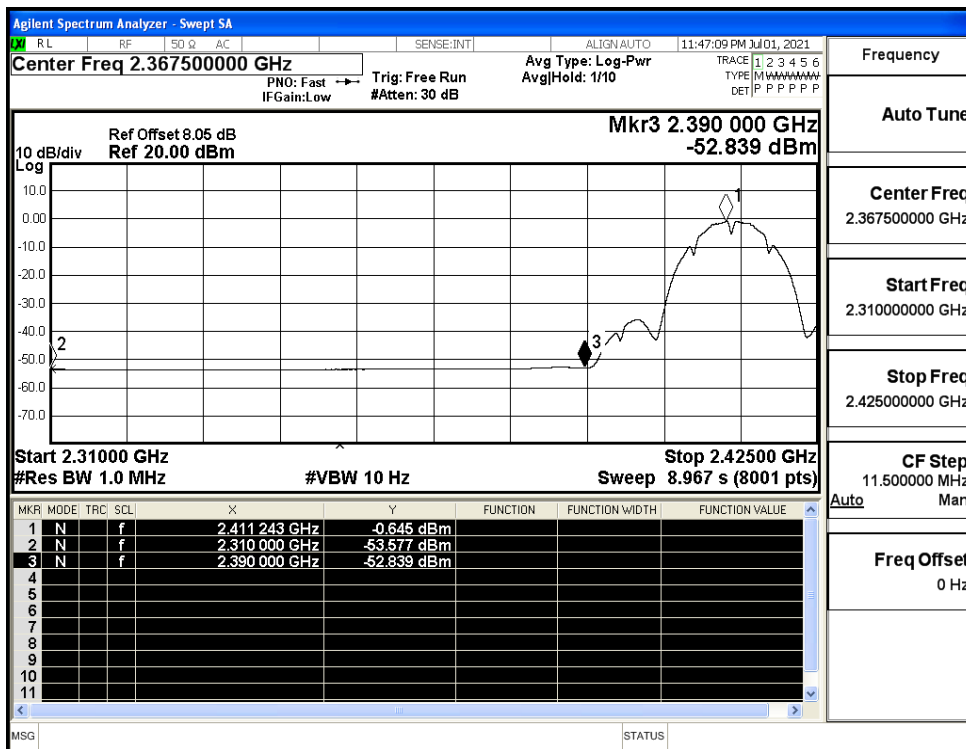
	2422	Ant1	2390.0	-42.39	2.0	0	52.87	PEAK	74	PASS
	2422	Ant1	2390.0	-52.69	2.0	0	42.57	AV	54	PASS
	2452	Ant1	2483.5	-36.35	2.0	0	58.91	PEAK	74	PASS
	2452	Ant1	2483.5	-51.02	2.0	0	44.24	AV	54	PASS
	2452	Ant1	2500.0	-41.16	2.0	0	54.10	PEAK	74	PASS
	2452	Ant1	2500.0	-52.00	2.0	0	43.26	AV	54	PASS



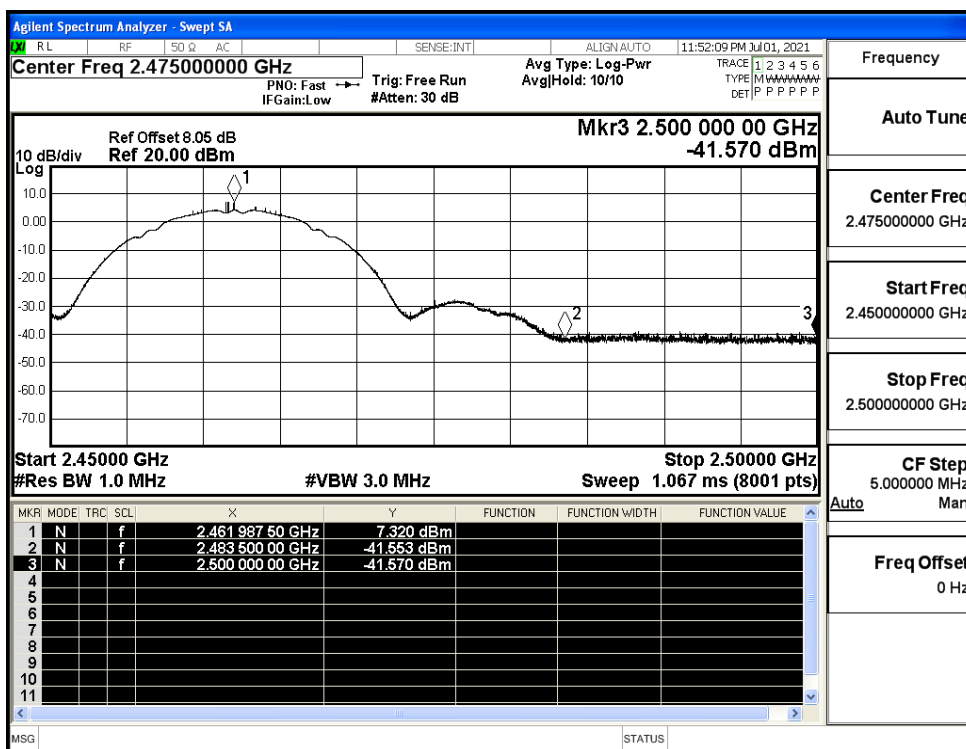
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



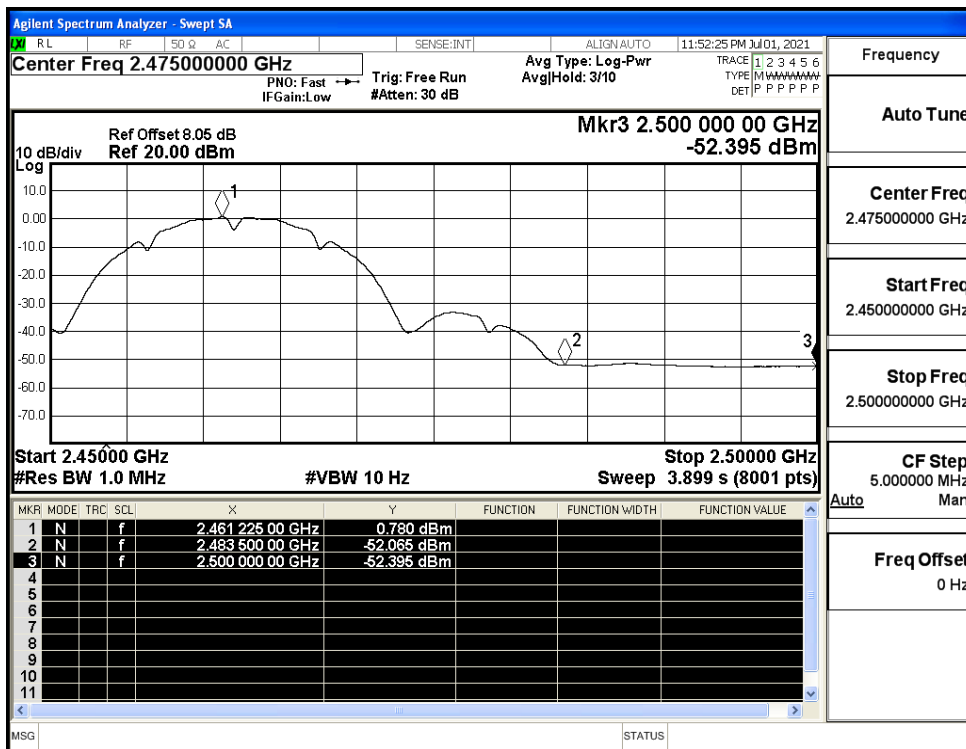
Restrict-band band-edge measurements_11B_2412_Ant1_AV



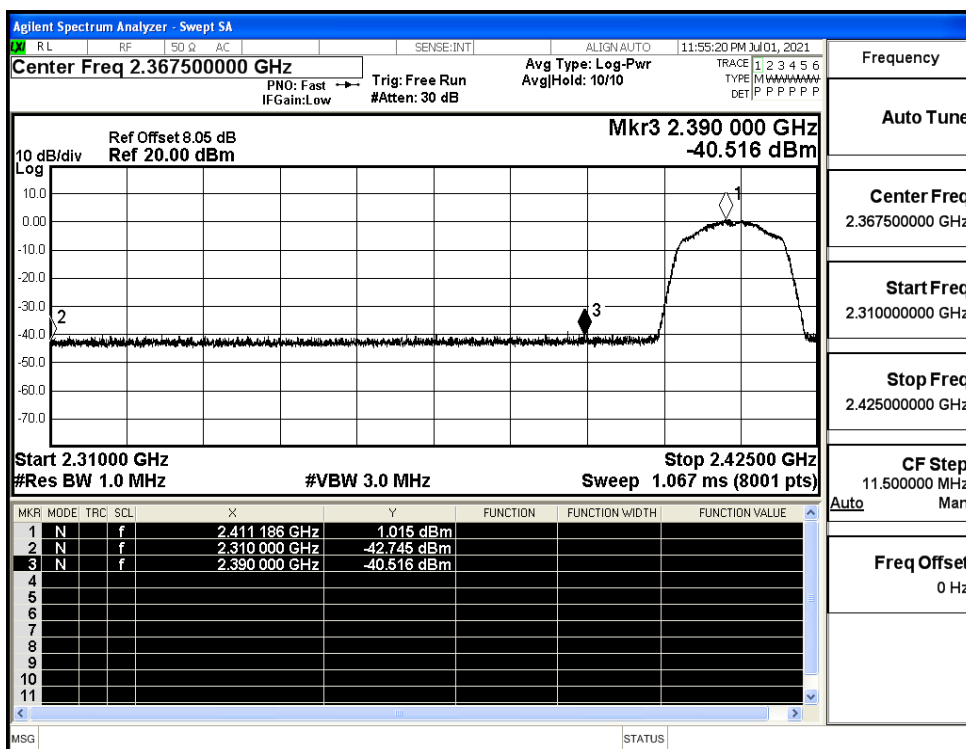
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



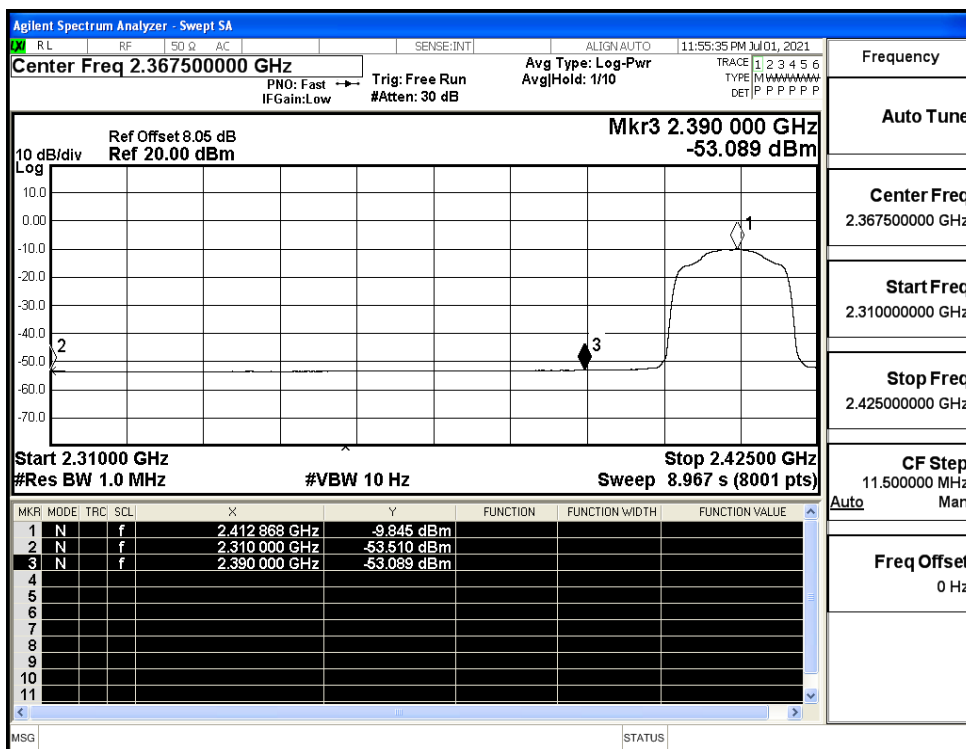
Restrict-band band-edge measurements_11B_2462_Ant1_AV



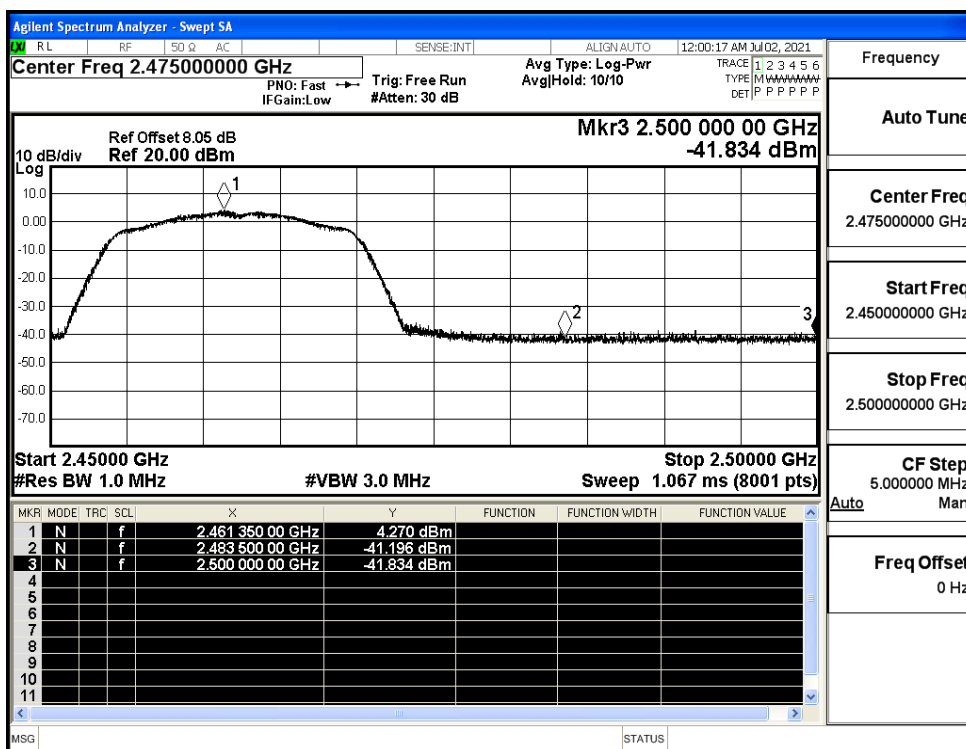
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



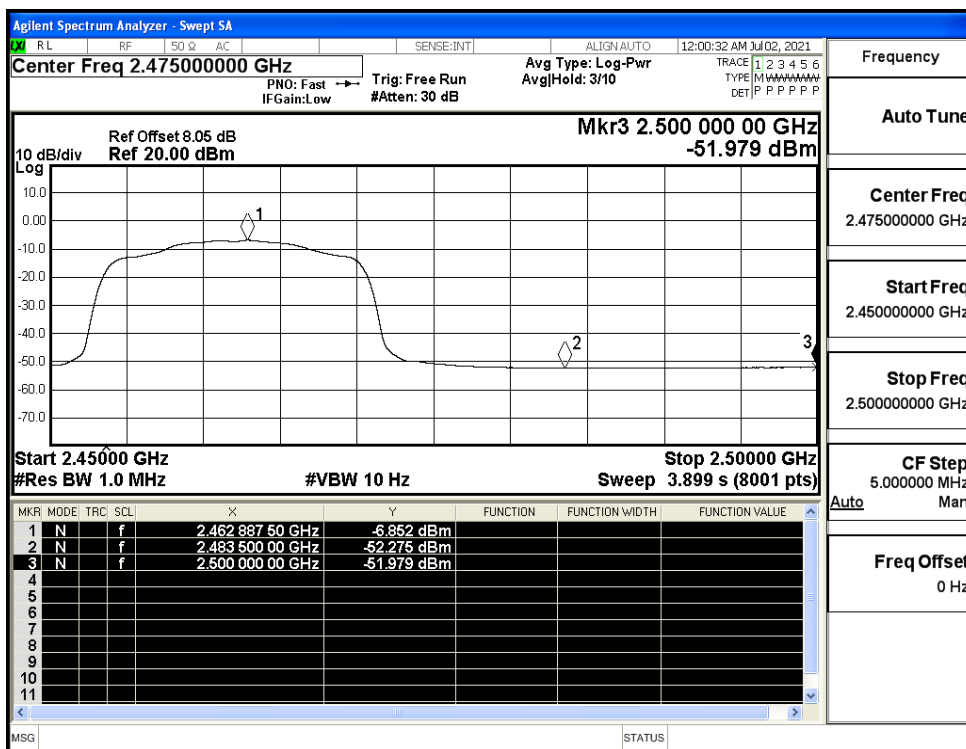
Restrict-band band-edge measurements_11G_2412_Ant1_AV



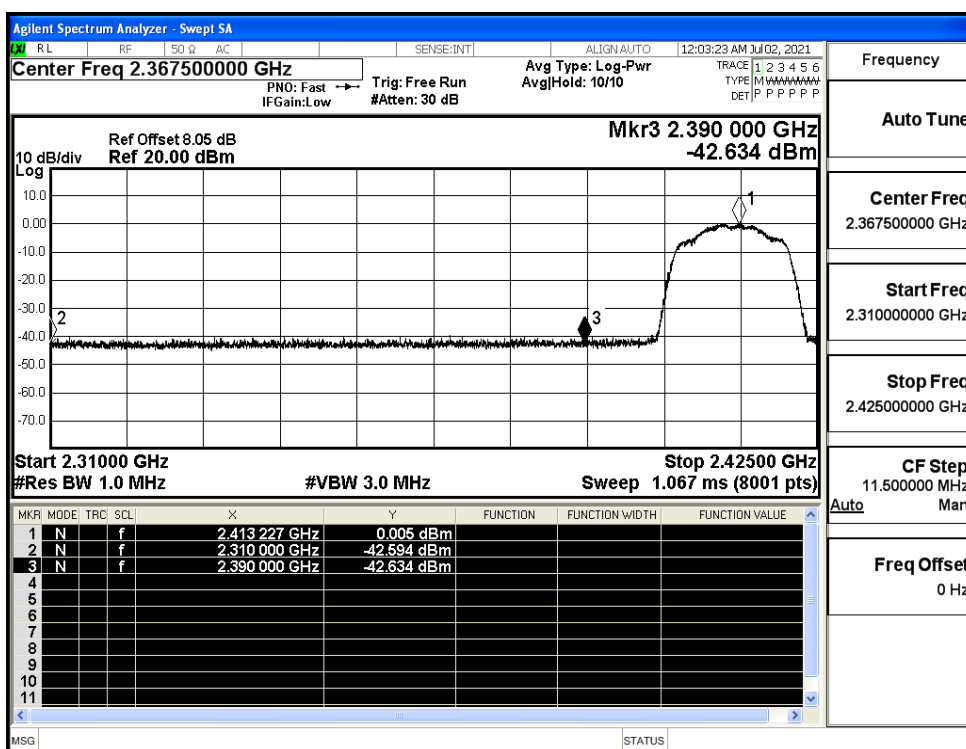
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



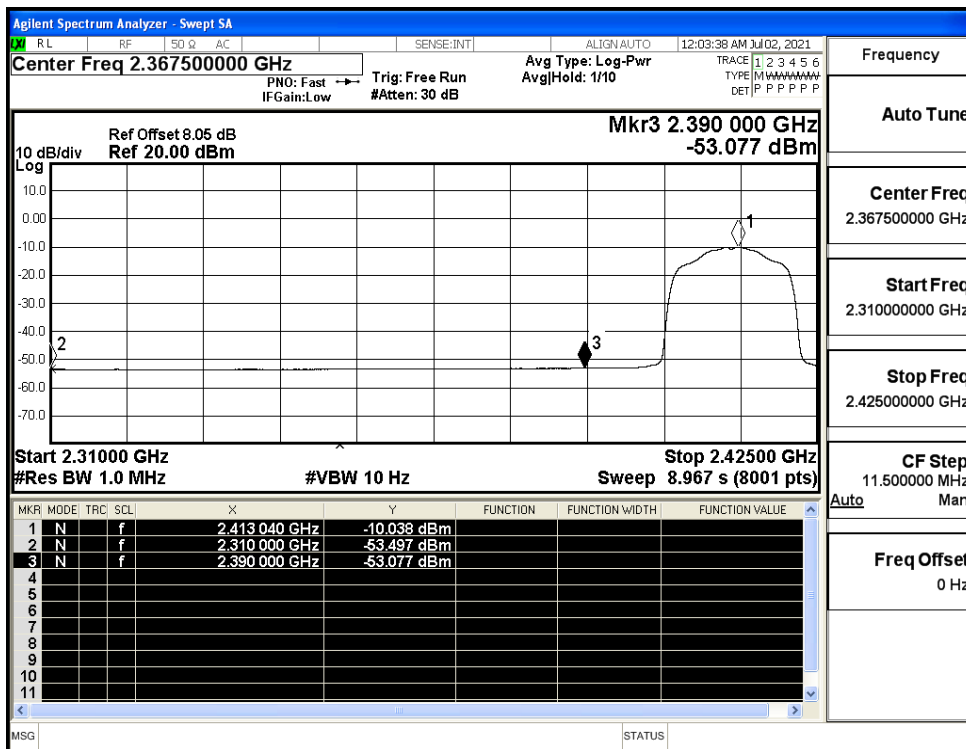
Restrict-band band-edge measurements_11G_2462_Ant1_AV



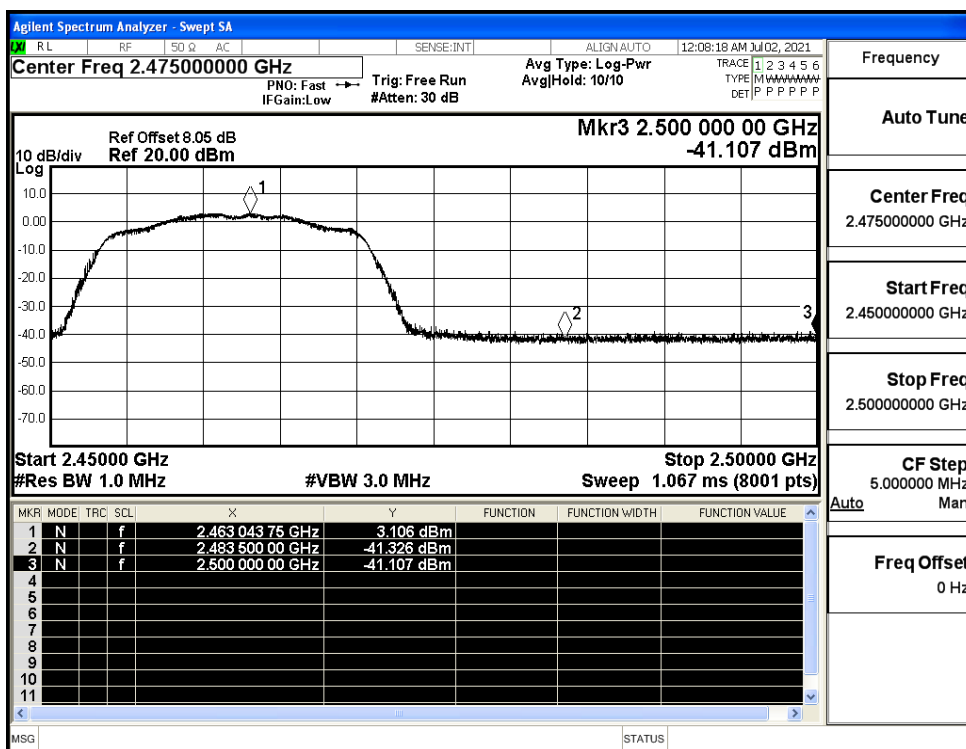
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



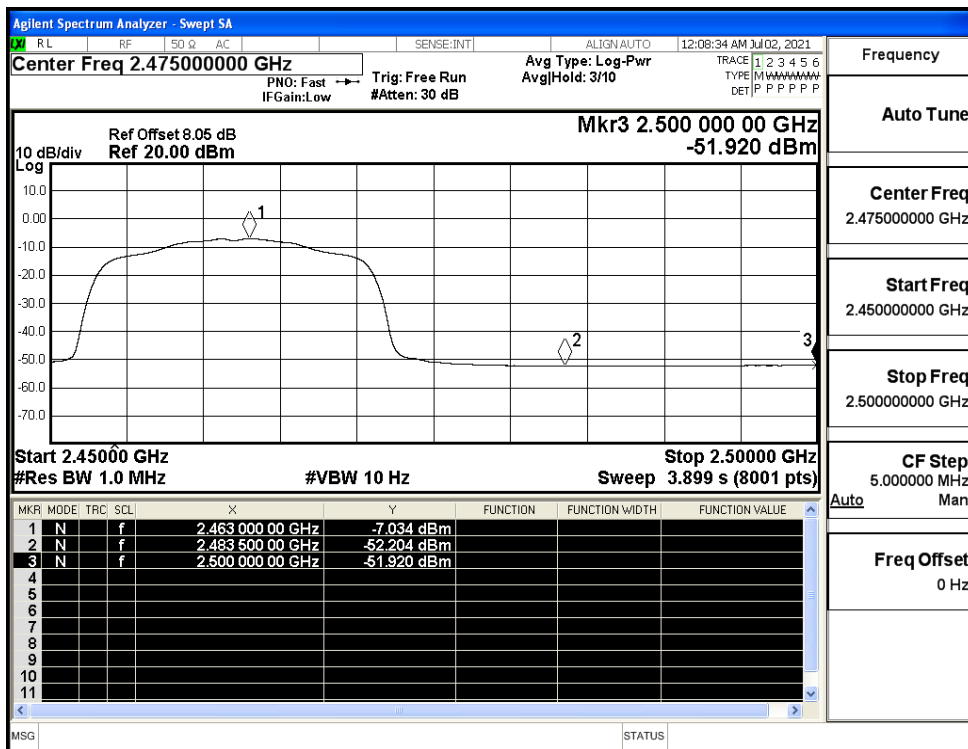
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



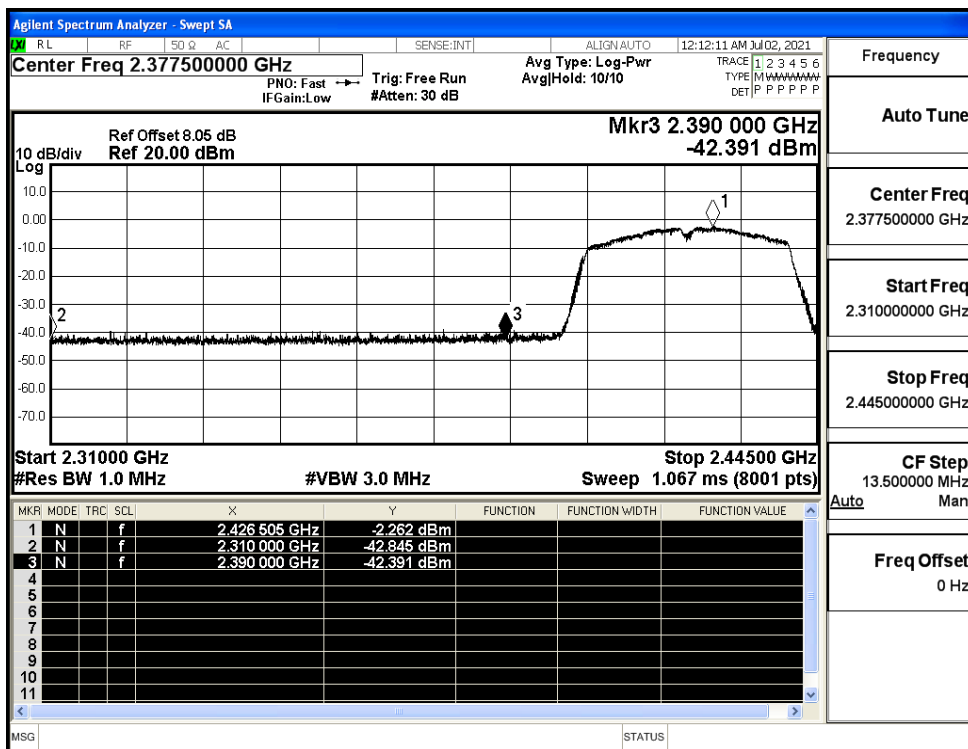
Restrict-band band-edge measurements_11N20ISO_2462_Ant1_PEAK



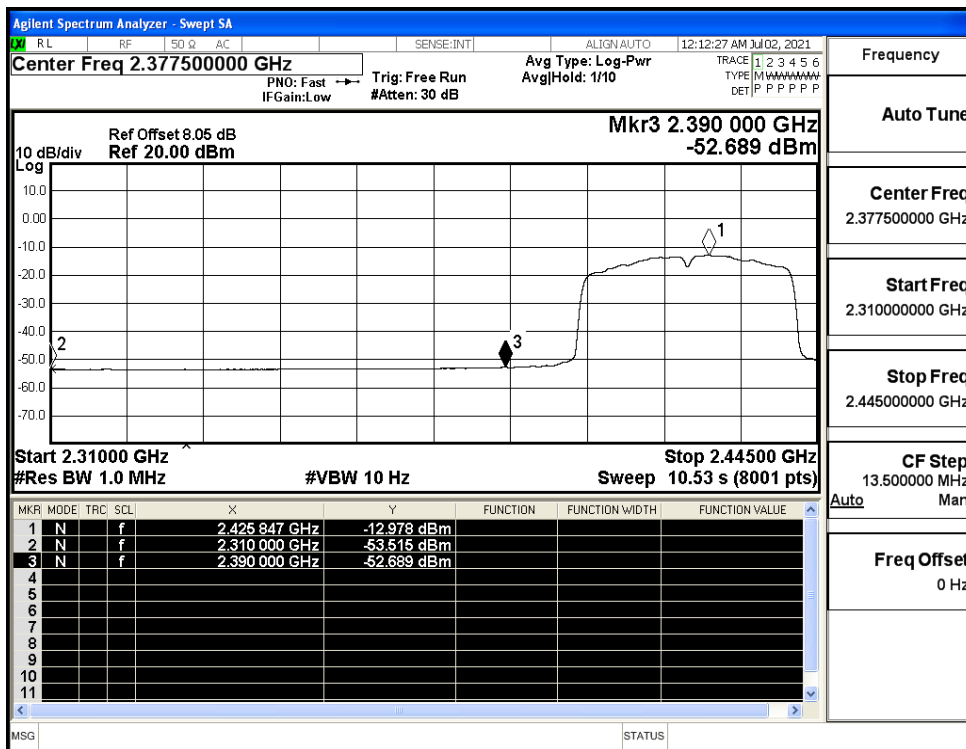
Restrict-band band-edge measurements_11N20ISO_2462_Ant1_AV



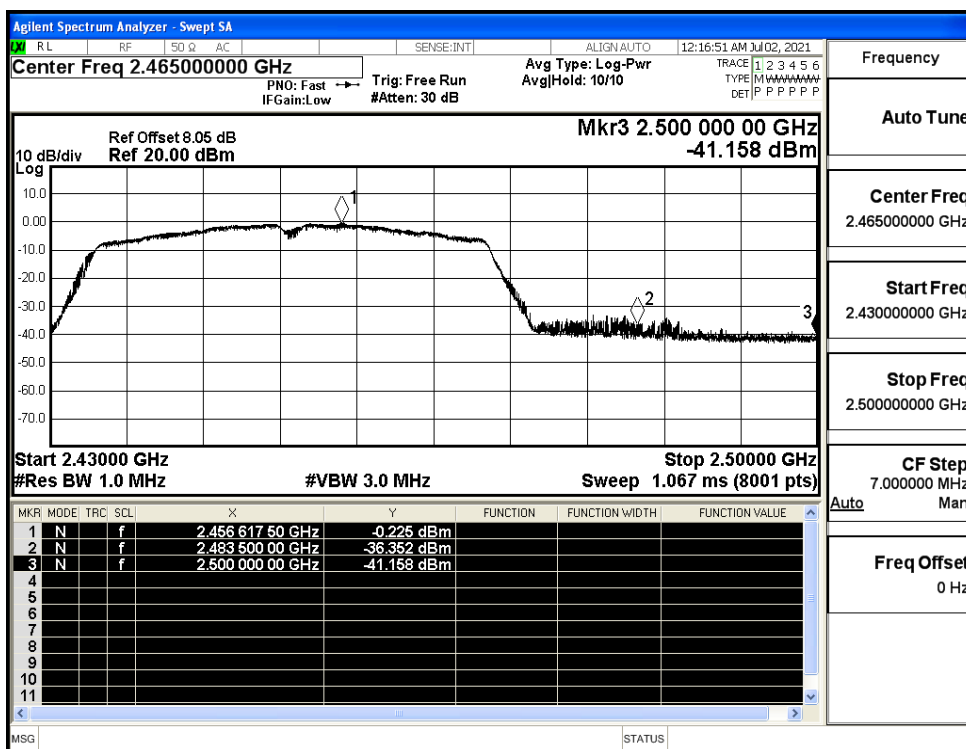
Restrict-band band-edge measurements_11N40ISO_2422_Ant1_PEAK



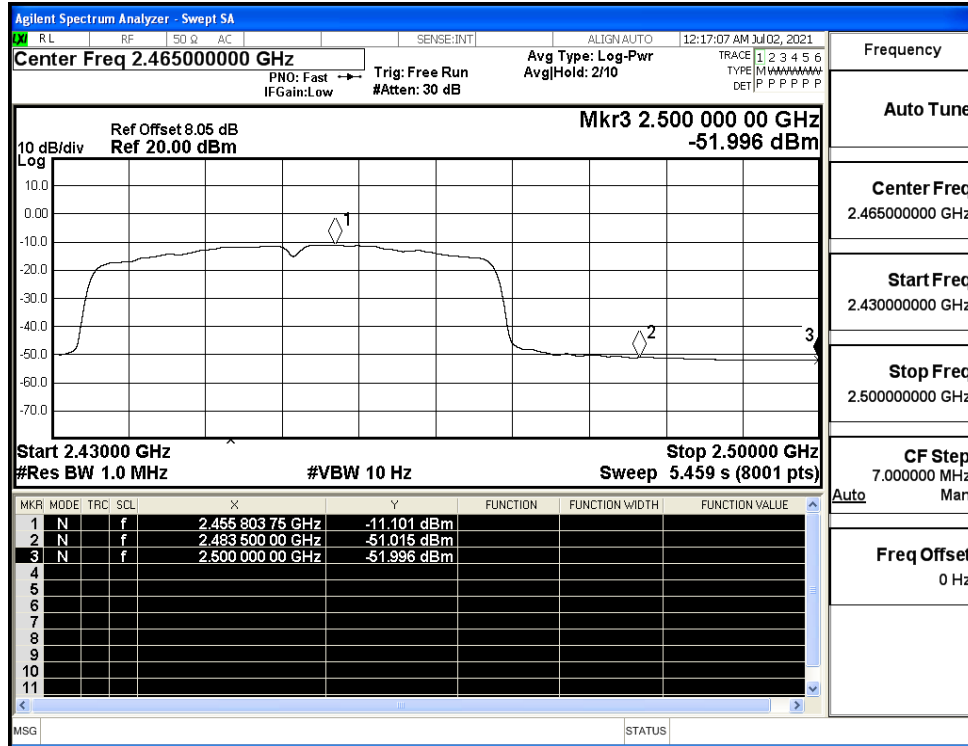
Restrict-band band-edge measurements_11N40ISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40ISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40ISO_2452_Ant1_AV





ANT1

C.8 Restrict-band band-edge measurements

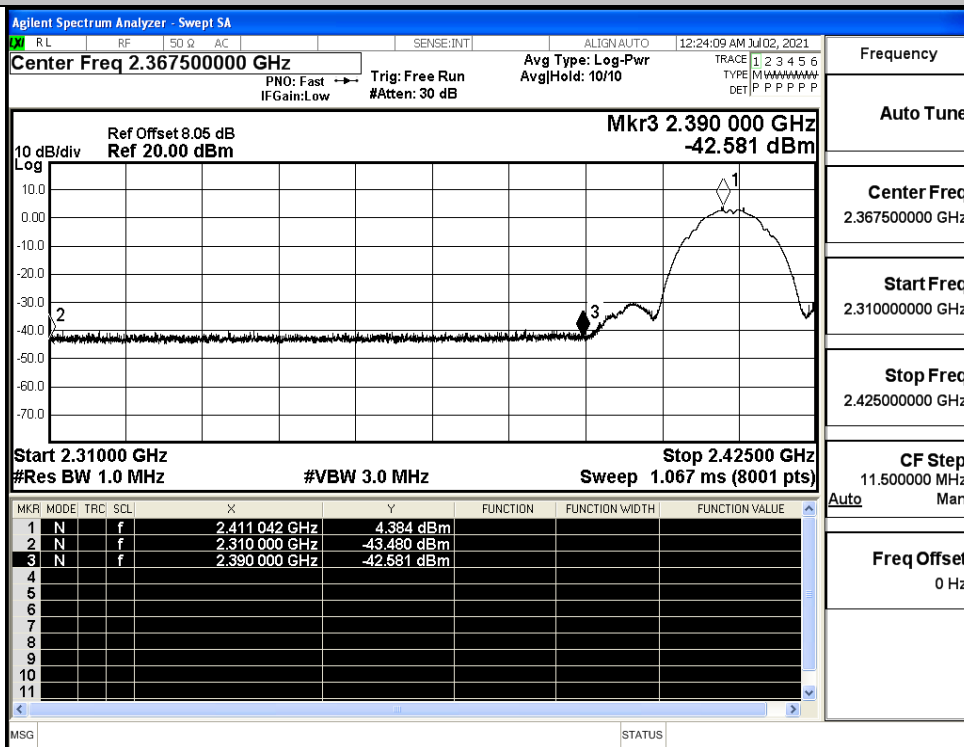
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.48	2.0	0	51.78	PEAK	74	PASS
	2412	Ant1	2310.0	-53.57	2.0	0	41.69	AV	54	PASS
	2412	Ant1	2390.0	-42.58	2.0	0	52.68	PEAK	74	PASS
	2412	Ant1	2390.0	-52.81	2.0	0	42.45	AV	54	PASS
	2462	Ant1	2483.5	-42.25	2.0	0	53.01	PEAK	74	PASS
	2462	Ant1	2483.5	-52.05	2.0	0	43.21	AV	54	PASS
	2462	Ant1	2500.0	-41.48	2.0	0	53.78	PEAK	74	PASS
	2462	Ant1	2500.0	-52.36	2.0	0	42.90	AV	54	PASS
11G	2412	Ant1	2310.0	-43.72	2.0	0	51.54	PEAK	74	PASS
	2412	Ant1	2310.0	-53.49	2.0	0	41.77	AV	54	PASS
	2412	Ant1	2390.0	-41.48	2.0	0	53.78	PEAK	74	PASS
	2412	Ant1	2390.0	-53.05	2.0	0	42.21	AV	54	PASS
	2462	Ant1	2483.5	-41.91	2.0	0	53.35	PEAK	74	PASS
	2462	Ant1	2483.5	-52.30	2.0	0	42.96	AV	54	PASS
	2462	Ant1	2500.0	-39.68	2.0	0	55.58	PEAK	74	PASS
	2462	Ant1	2500.0	-51.95	2.0	0	43.30	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.41	2.0	0	51.85	PEAK	74	PASS
	2412	Ant1	2310.0	-53.52	2.0	0	41.74	AV	54	PASS
	2412	Ant1	2390.0	-41.88	2.0	0	53.38	PEAK	74	PASS
	2412	Ant1	2390.0	-53.09	2.0	0	42.17	AV	54	PASS
	2462	Ant1	2483.5	-42.77	2.0	0	52.48	PEAK	74	PASS
	2462	Ant1	2483.5	-52.28	2.0	0	42.98	AV	54	PASS
	2462	Ant1	2500.0	-41.67	2.0	0	53.59	PEAK	74	PASS
	2462	Ant1	2500.0	-51.93	2.0	0	43.33	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-42.65	2.0	0	52.61	PEAK	74	PASS
	2422	Ant1	2310.0	-53.53	2.0	0	41.73	AV	54	PASS



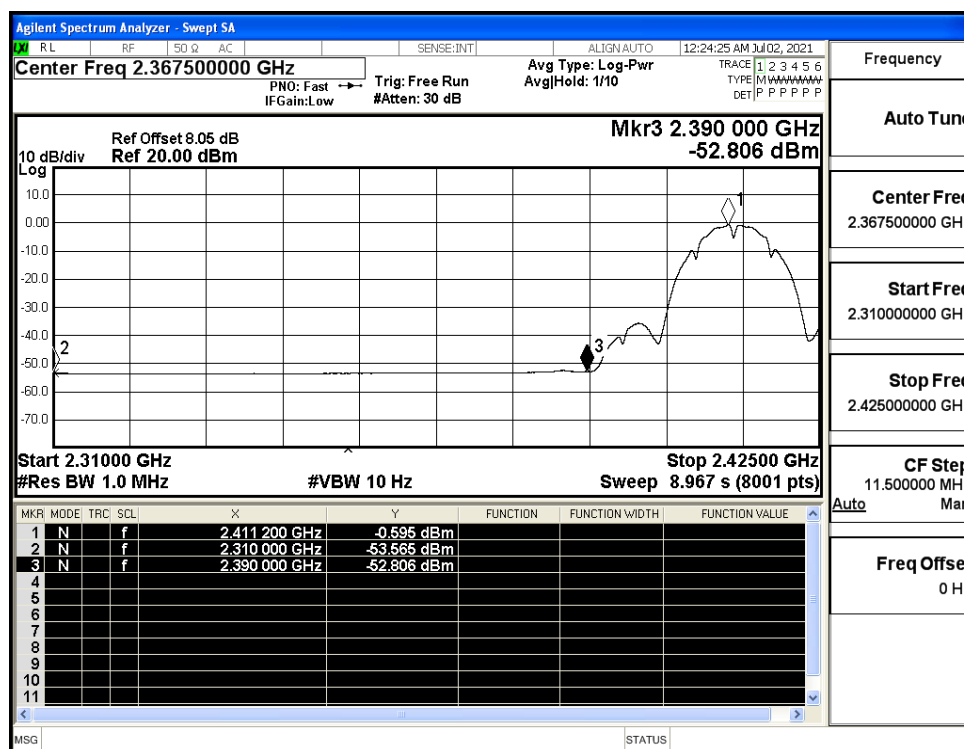
	2422	Ant1	2390.0	-41.67	2.0	0	53.59	PEAK	74	PASS
	2422	Ant1	2390.0	-52.65	2.0	0	42.60	AV	54	PASS
	2452	Ant1	2483.5	-35.97	2.0	0	59.29	PEAK	74	PASS
	2452	Ant1	2483.5	-51.00	2.0	0	44.25	AV	54	PASS
	2452	Ant1	2500.0	-41.38	2.0	0	53.88	PEAK	74	PASS
	2452	Ant1	2500.0	-52.01	2.0	0	43.25	AV	54	PASS



Restrict-band band-edge measurements_11B_2412_Ant1_PEAK

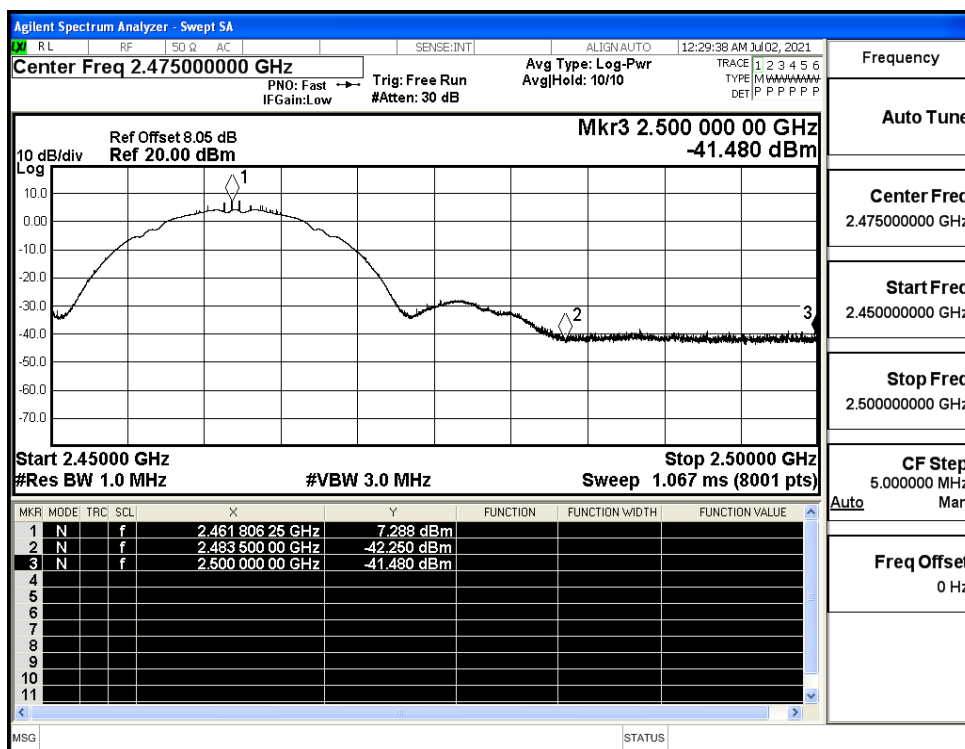


Restrict-band band-edge measurements_11B_2412_Ant1_AV

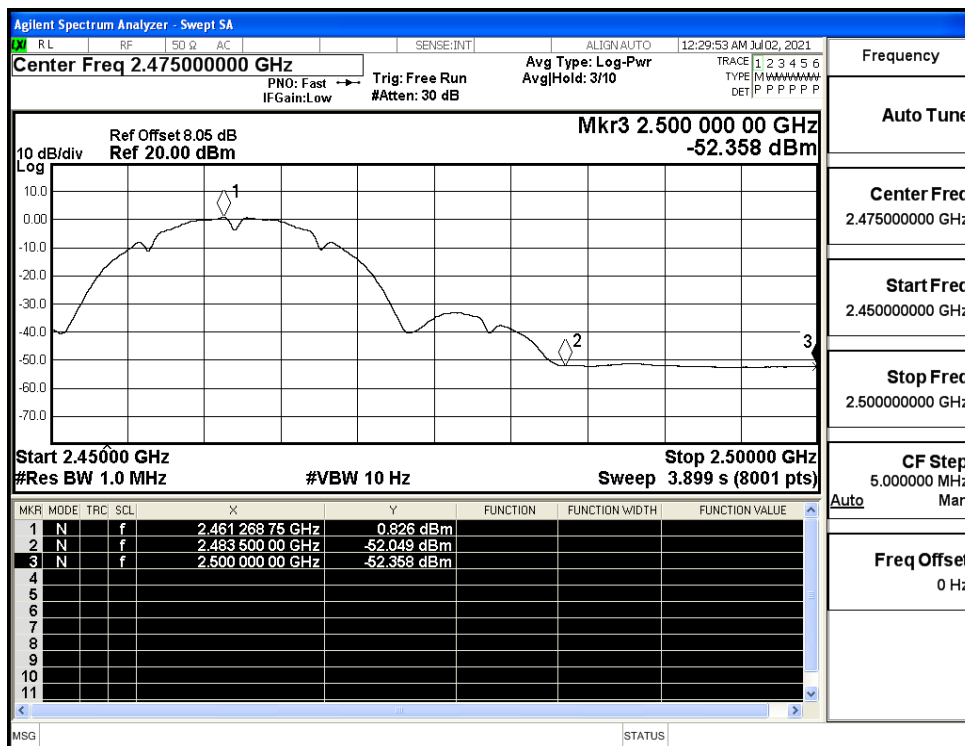




Restrict-band band-edge measurements_11B_2462_Ant1_PEAK

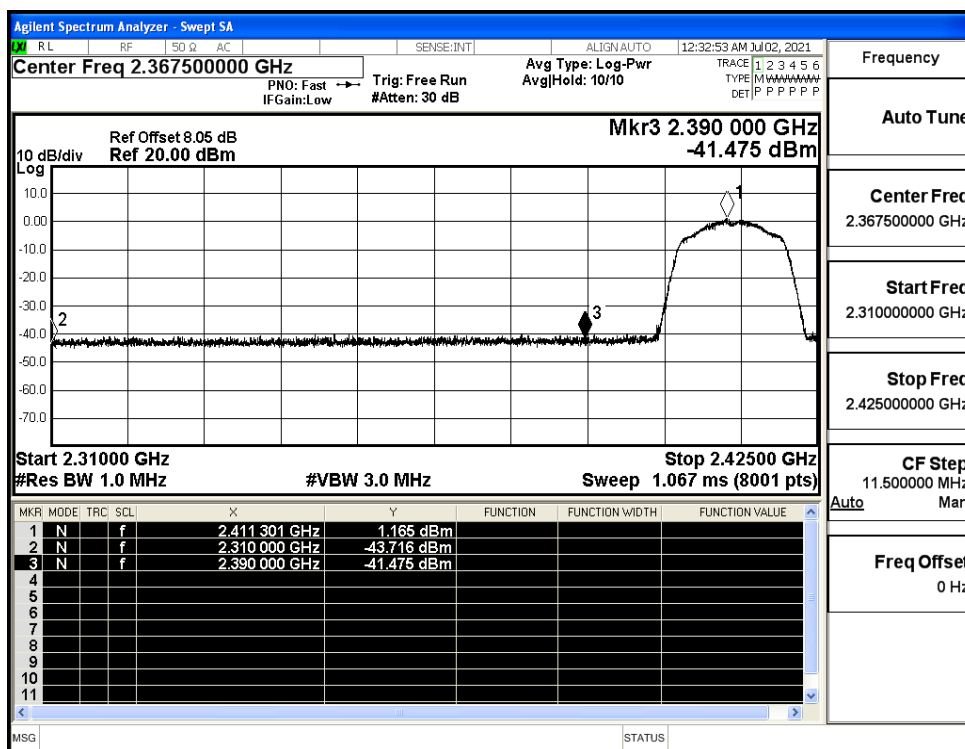


Restrict-band band-edge measurements_11B_2462_Ant1_AV

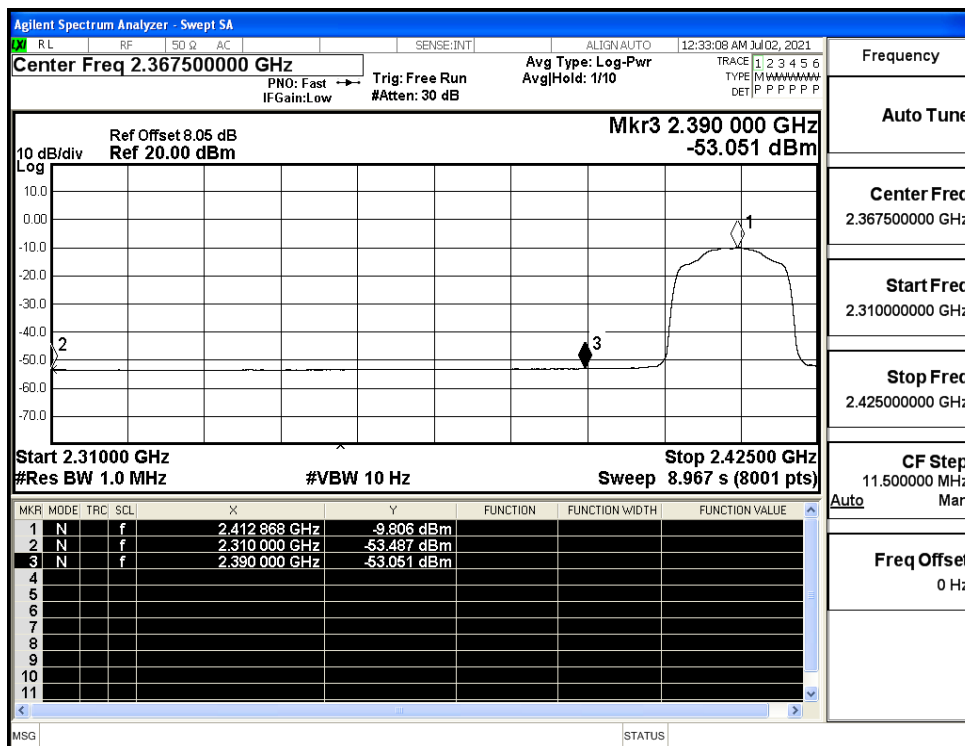




Restrict-band band-edge measurements_11G_2412_Ant1_PEAK

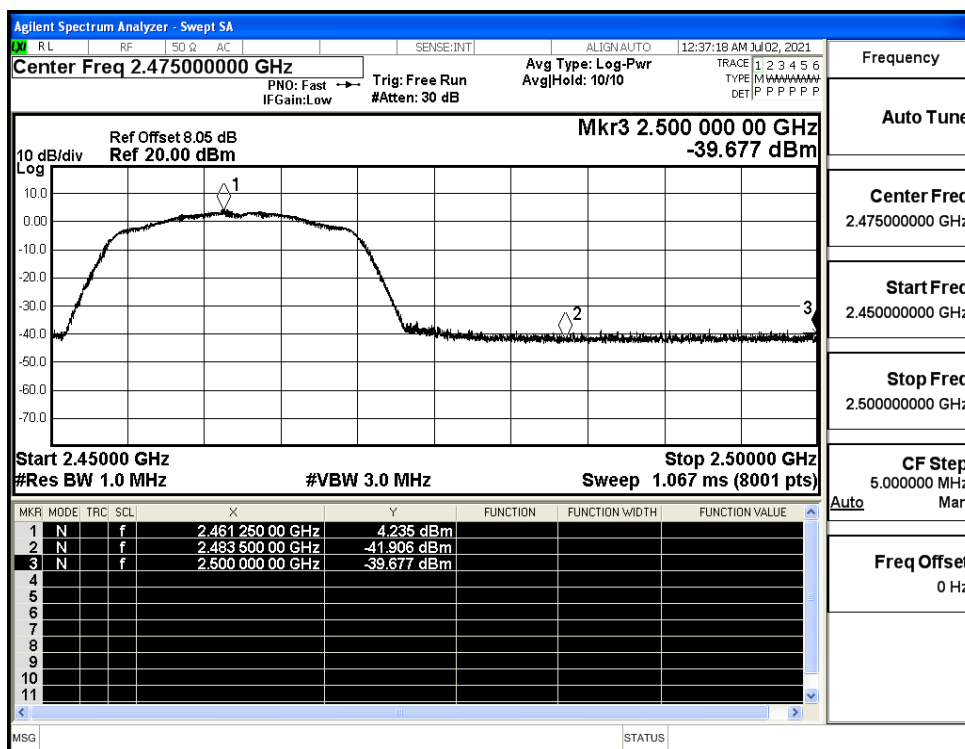


Restrict-band band-edge measurements_11G_2412_Ant1_AV

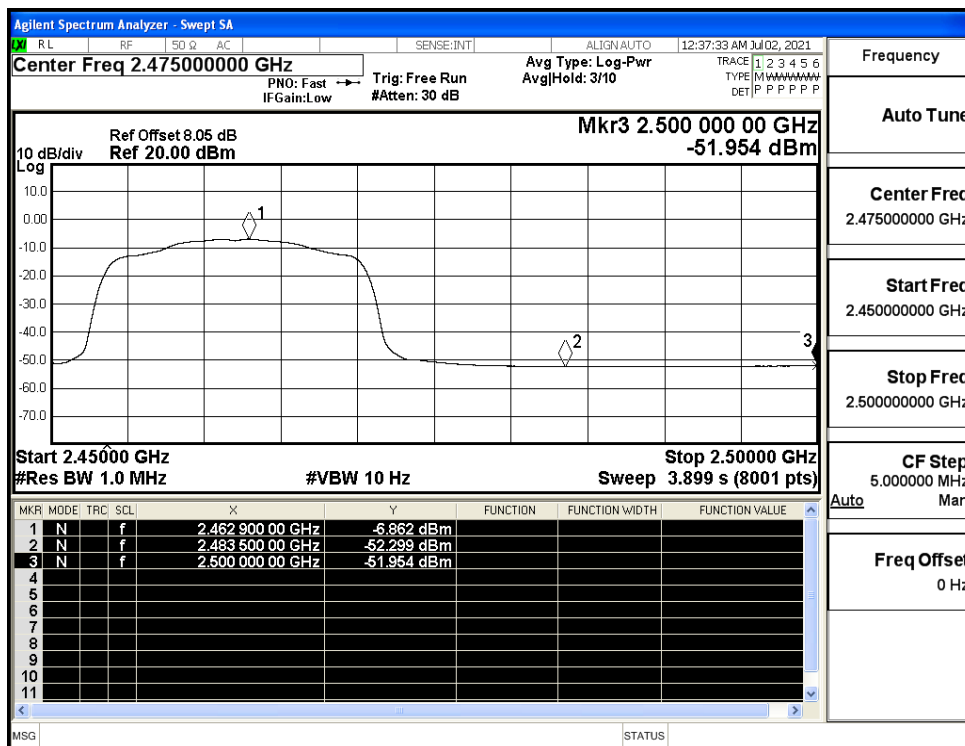




Restrict-band band-edge measurements_11G_2462_Ant1_PEAK

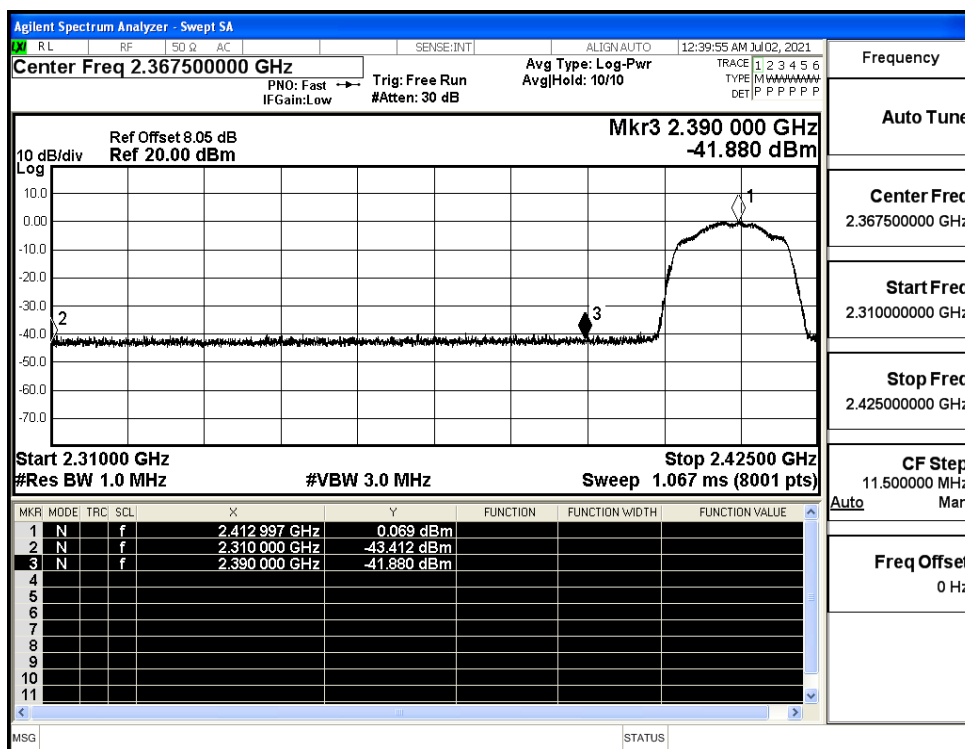


Restrict-band band-edge measurements_11G_2462_Ant1_AV

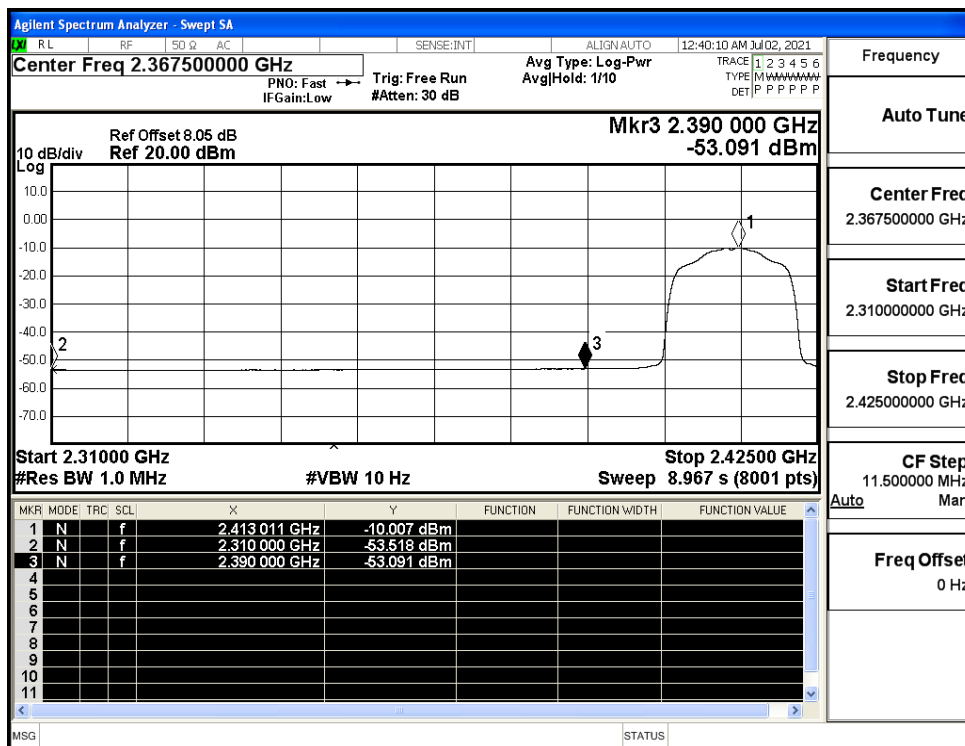




Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK

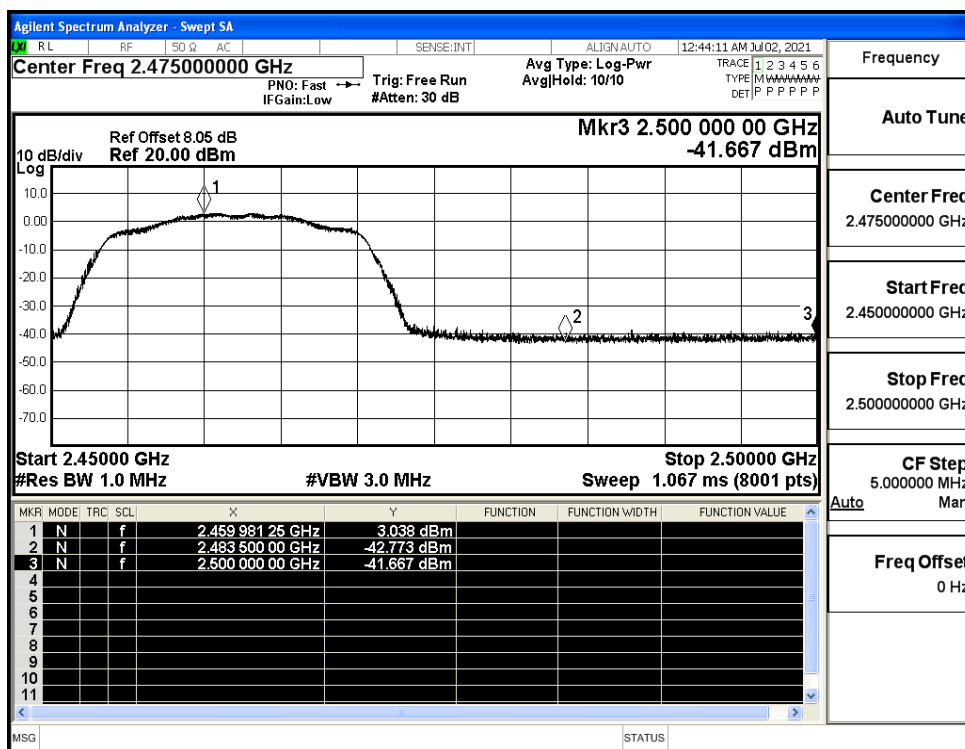


Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV

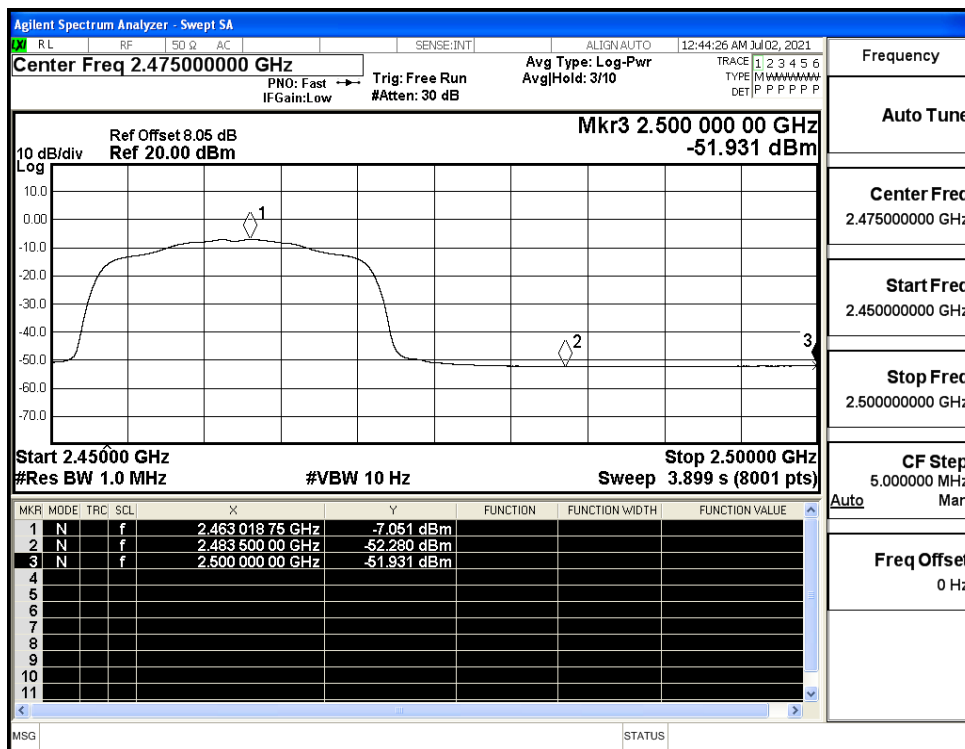




Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK

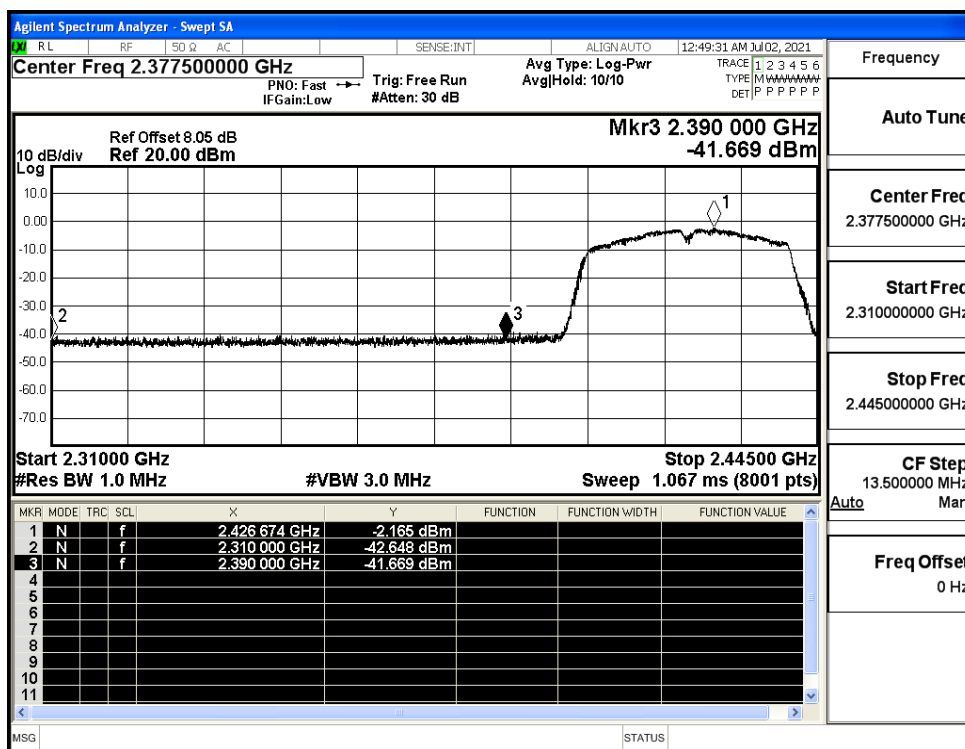


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

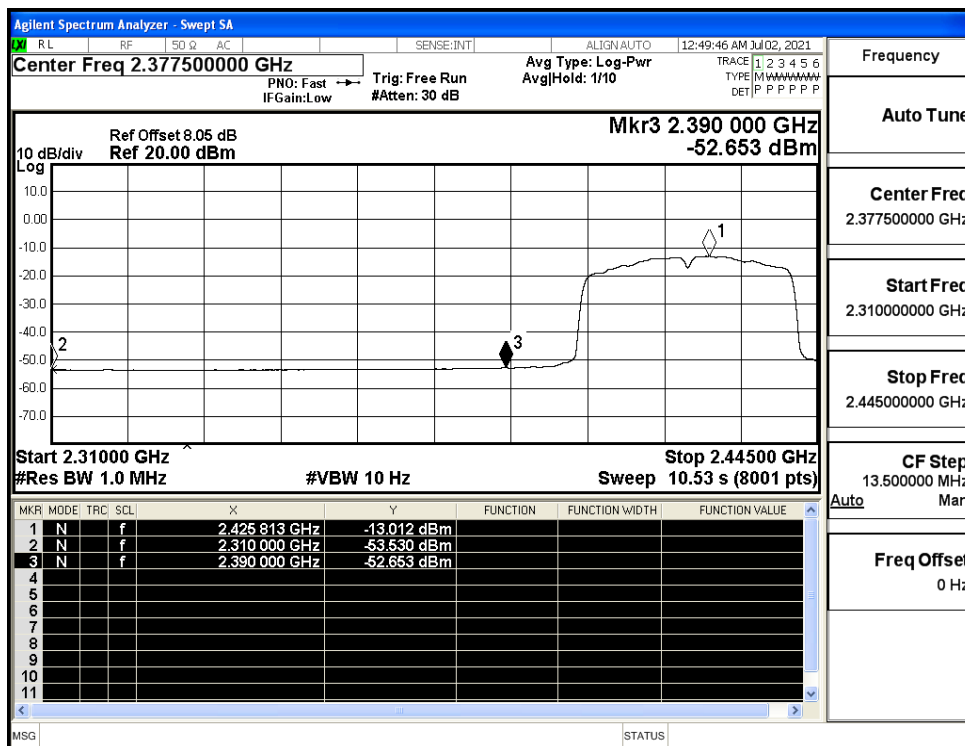




Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK

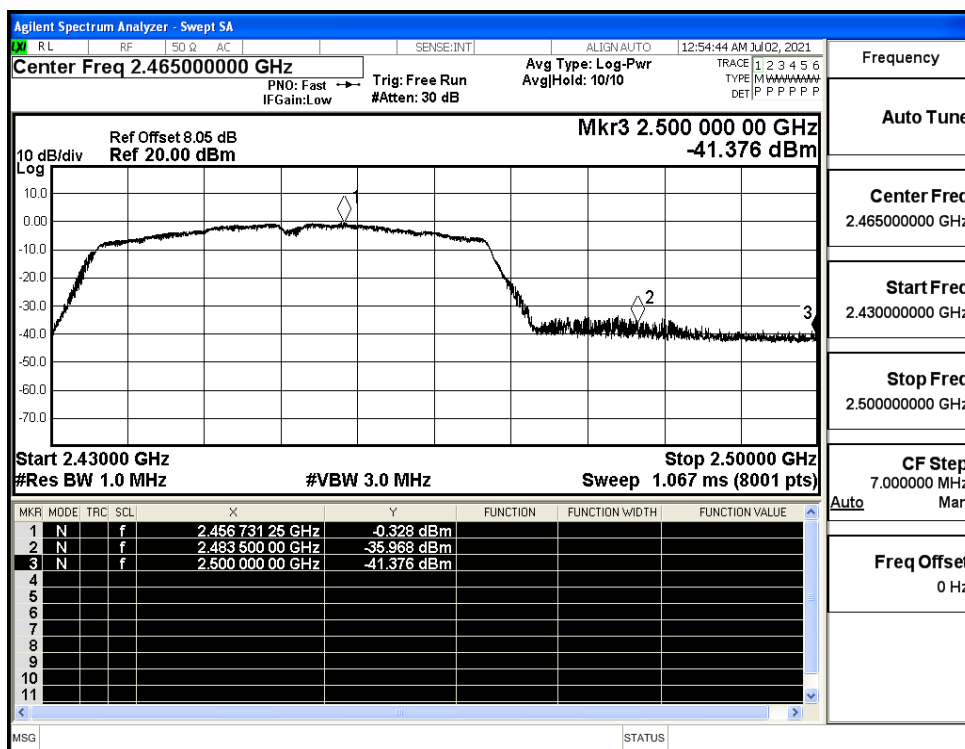


Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV

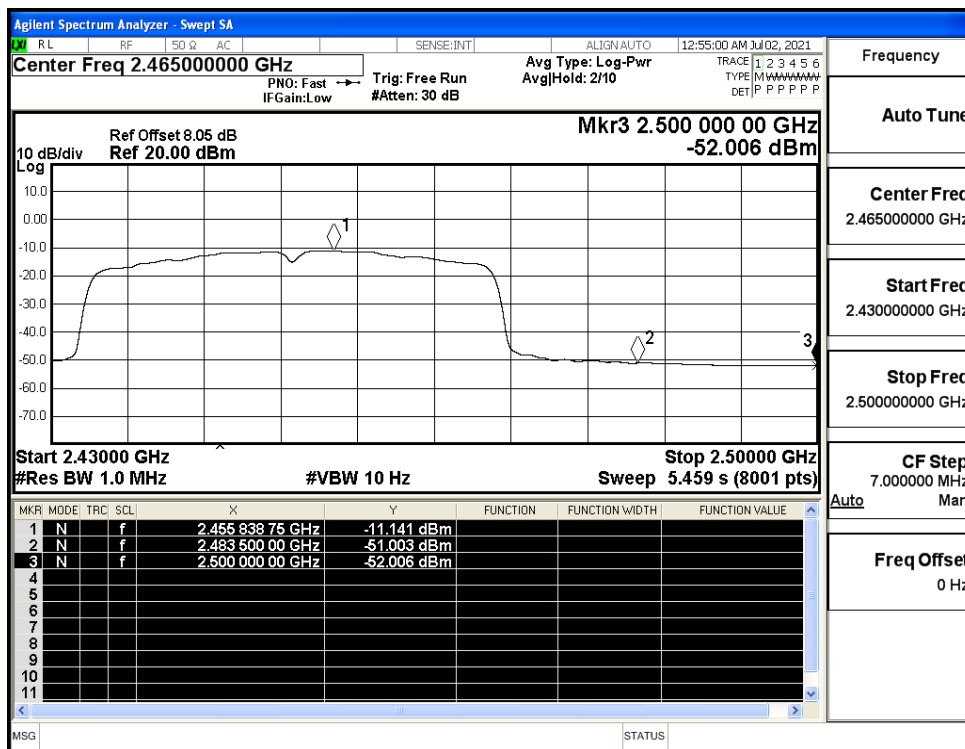




Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_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	-42.59	-43.41	-39.97	3.81	0	59.07	PEAK	74	PASS
	2412	2310.0	-53.50	-53.52	-50.50	3.81	0	48.54	AV	54	PASS
	2412	2390.0	-42.63	-41.88	-39.23	3.81	0	59.81	PEAK	74	PASS
	2412	2390.0	-53.08	-53.09	-50.07	3.81	0	48.96	AV	54	PASS
	2462	2483.5	-41.33	-42.77	-38.98	3.81	0	60.06	PEAK	74	PASS
	2462	2483.5	-52.20	-52.28	-49.23	3.81	0	49.81	AV	54	PASS
	2462	2500.0	-41.11	-41.67	-38.37	3.81	0	60.67	PEAK	74	PASS
	2462	2500.0	-51.92	-51.93	-48.91	3.81	0	50.12	AV	54	PASS
11N40	2422	2310.0	-42.85	-42.65	-39.74	3.81	0	59.30	PEAK	74	PASS
	2422	2310.0	-53.52	-53.53	-50.51	3.81	0	48.52	AV	54	PASS
	2422	2390.0	-42.39	-41.67	-39.00	3.81	0	60.03	PEAK	74	PASS
	2422	2390.0	-52.69	-52.65	-49.66	3.81	0	49.38	AV	54	PASS
	2452	2483.5	-36.35	-35.97	-33.15	3.81	0	65.89	PEAK	74	PASS
	2452	2483.5	-51.02	-51.00	-48.00	3.81	0	51.04	AV	54	PASS
	2452	2500.0	-41.16	-41.38	-38.26	3.81	0	60.78	PEAK	74	PASS
	2452	2500.0	-52.00	-52.01	-48.99	3.81	0	50.04	AV	54	PASS

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=0.8dBi +10 log (2) = 3.81dBi