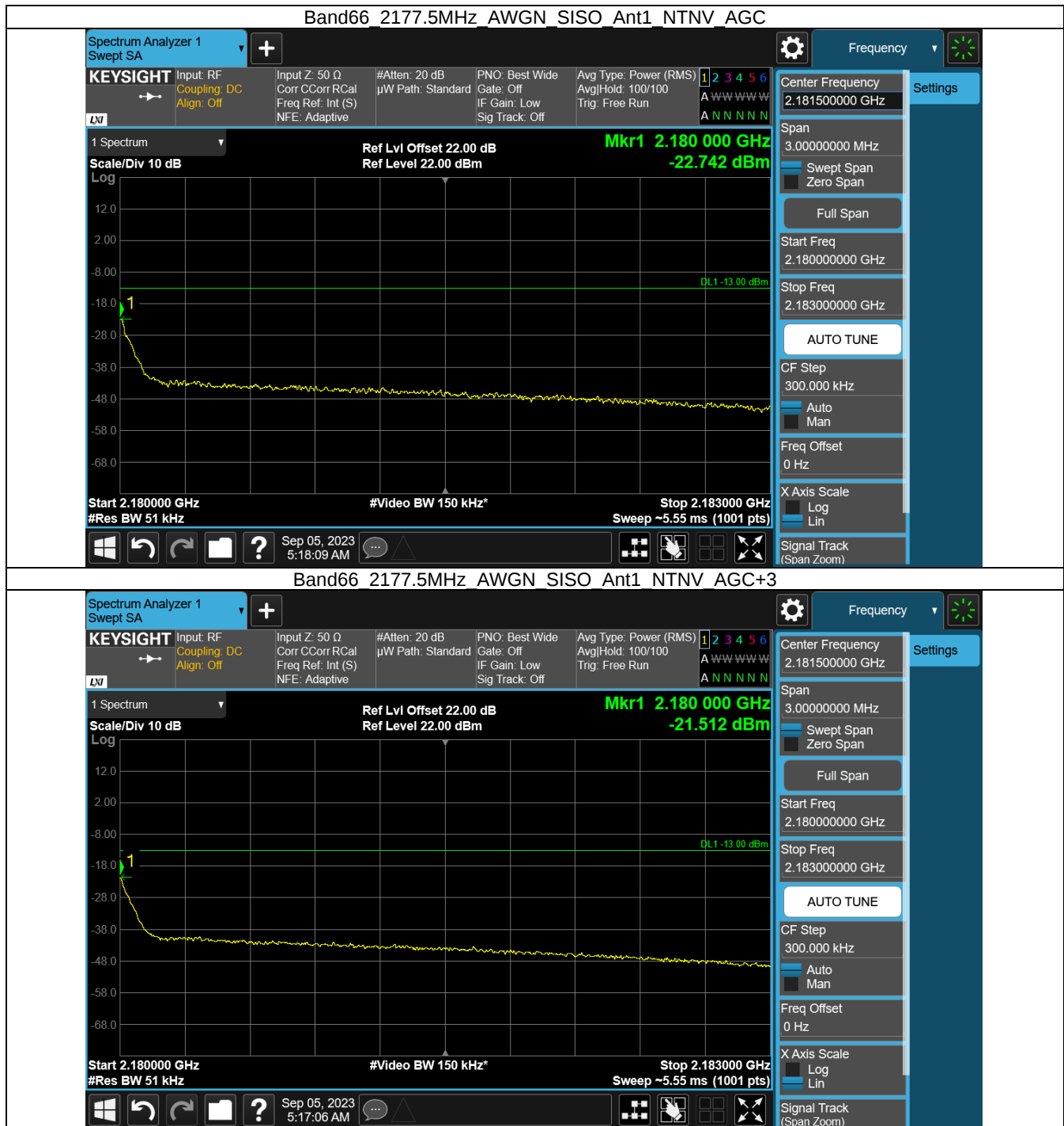
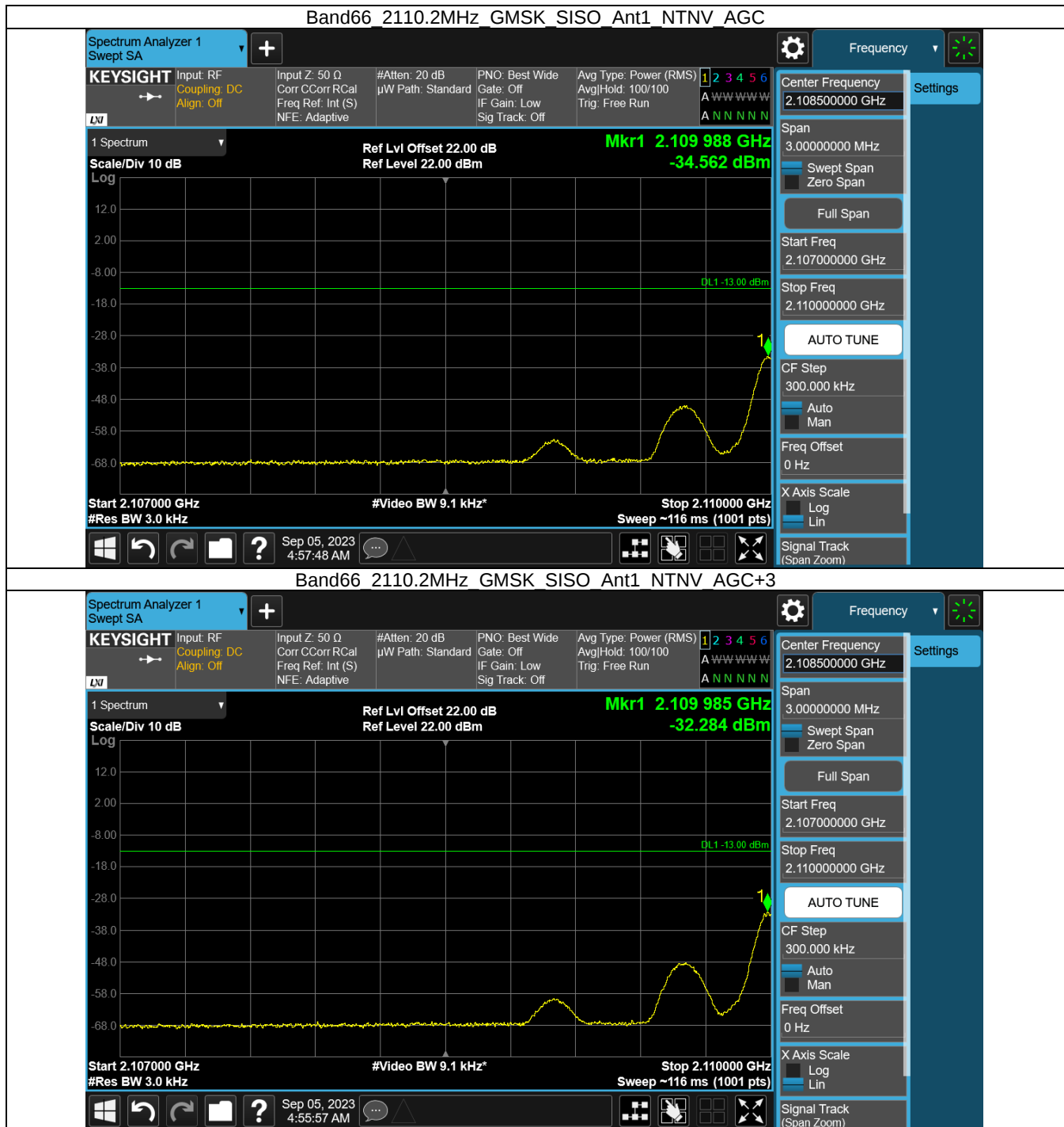
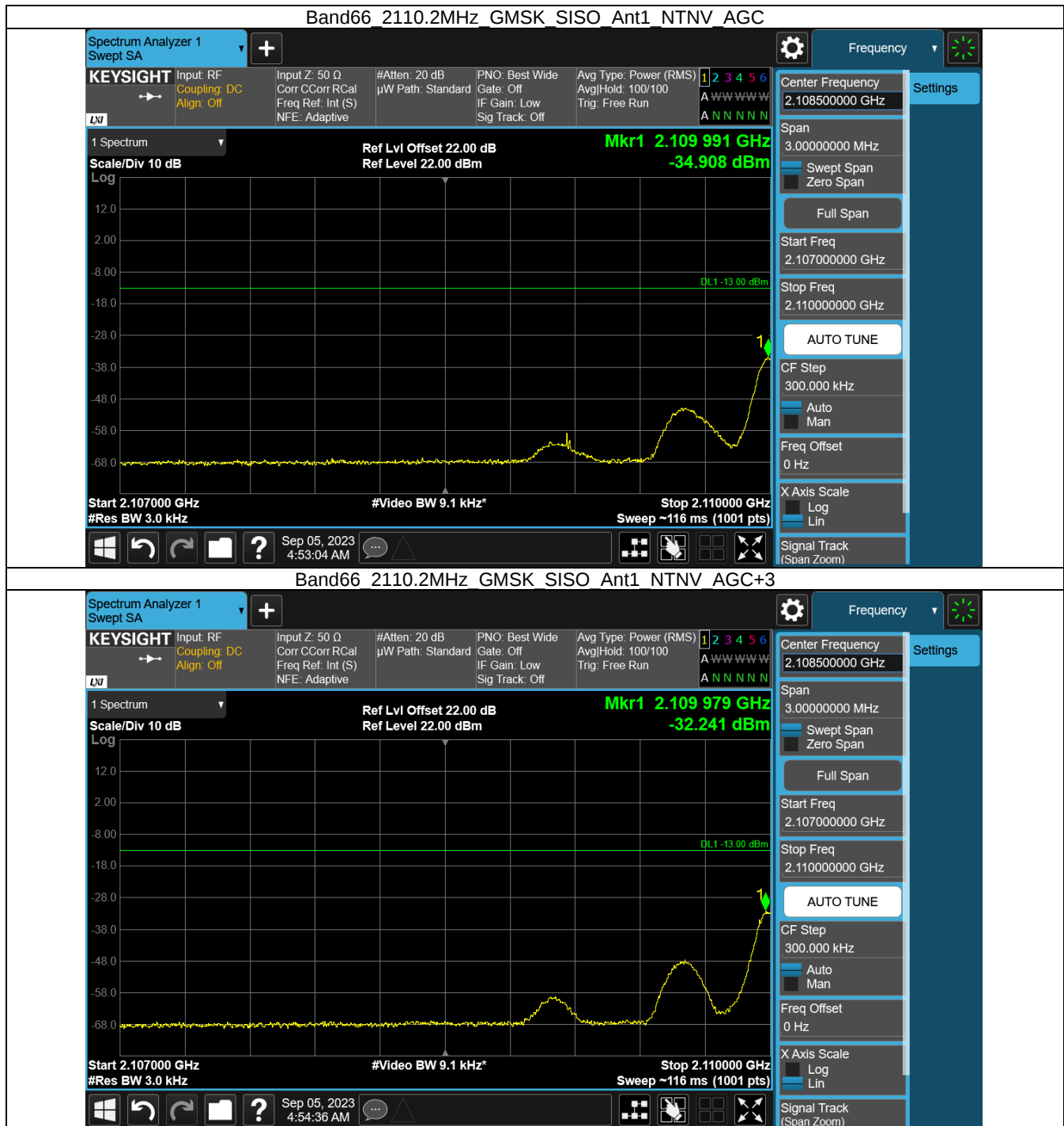
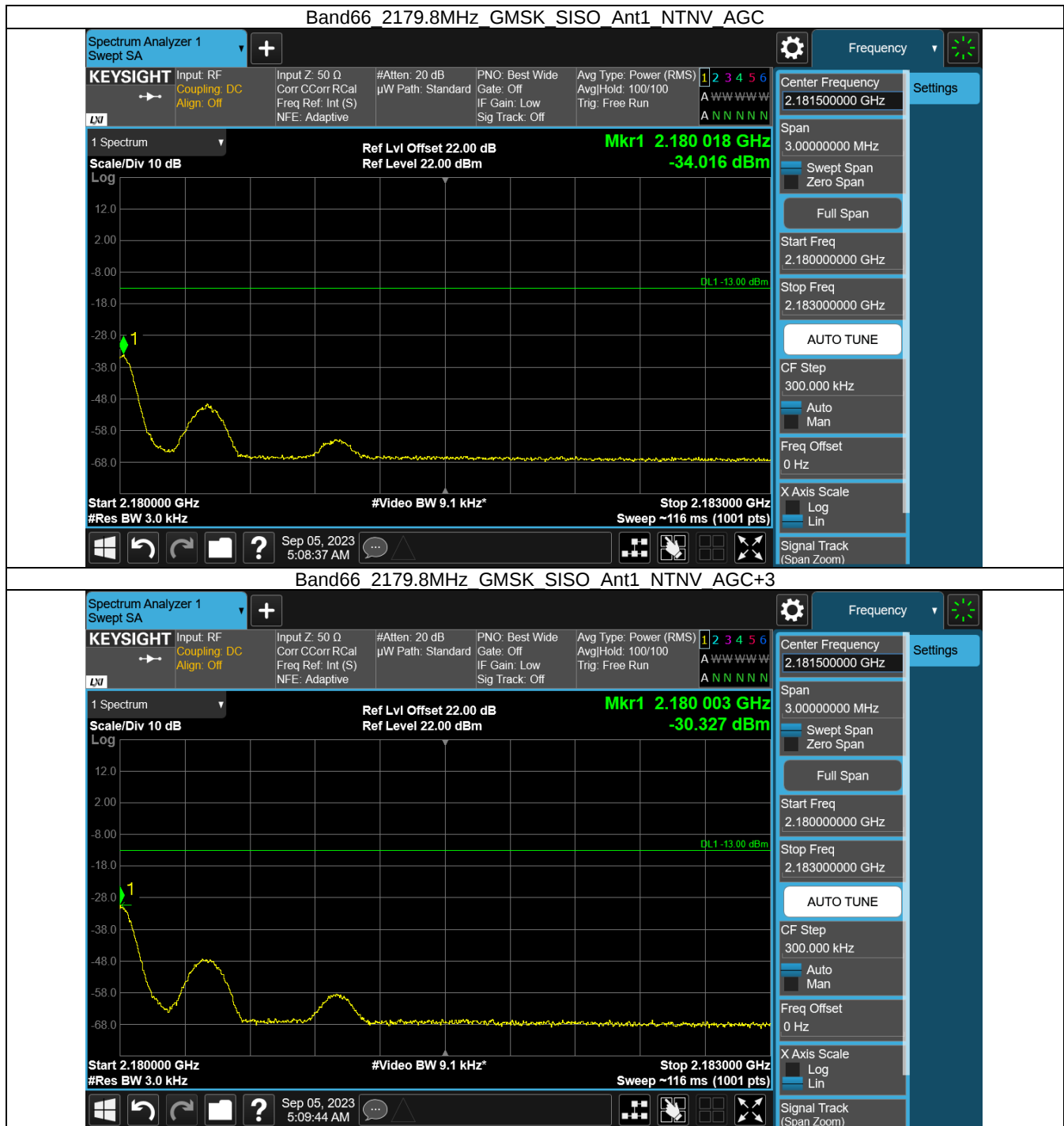
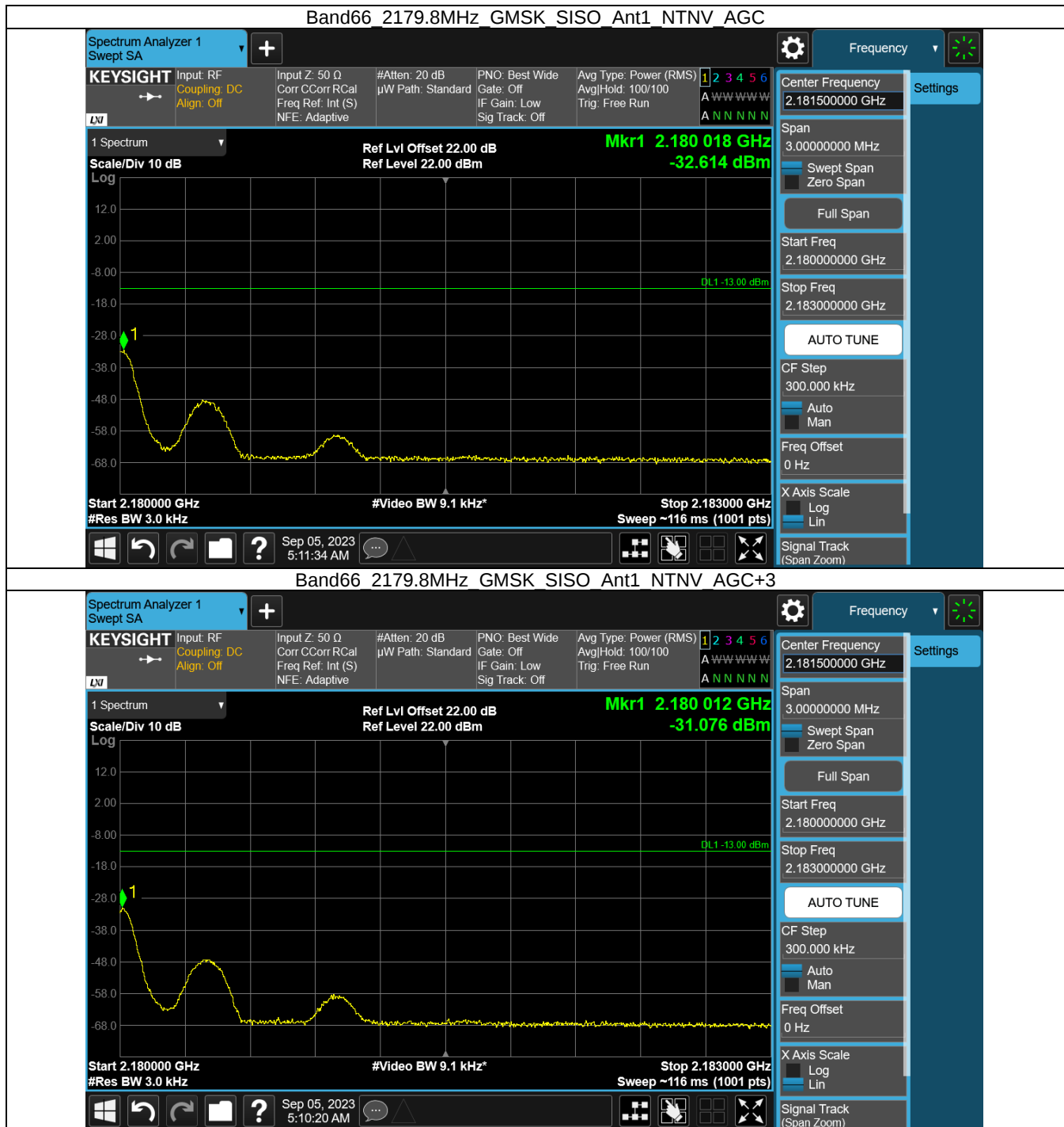












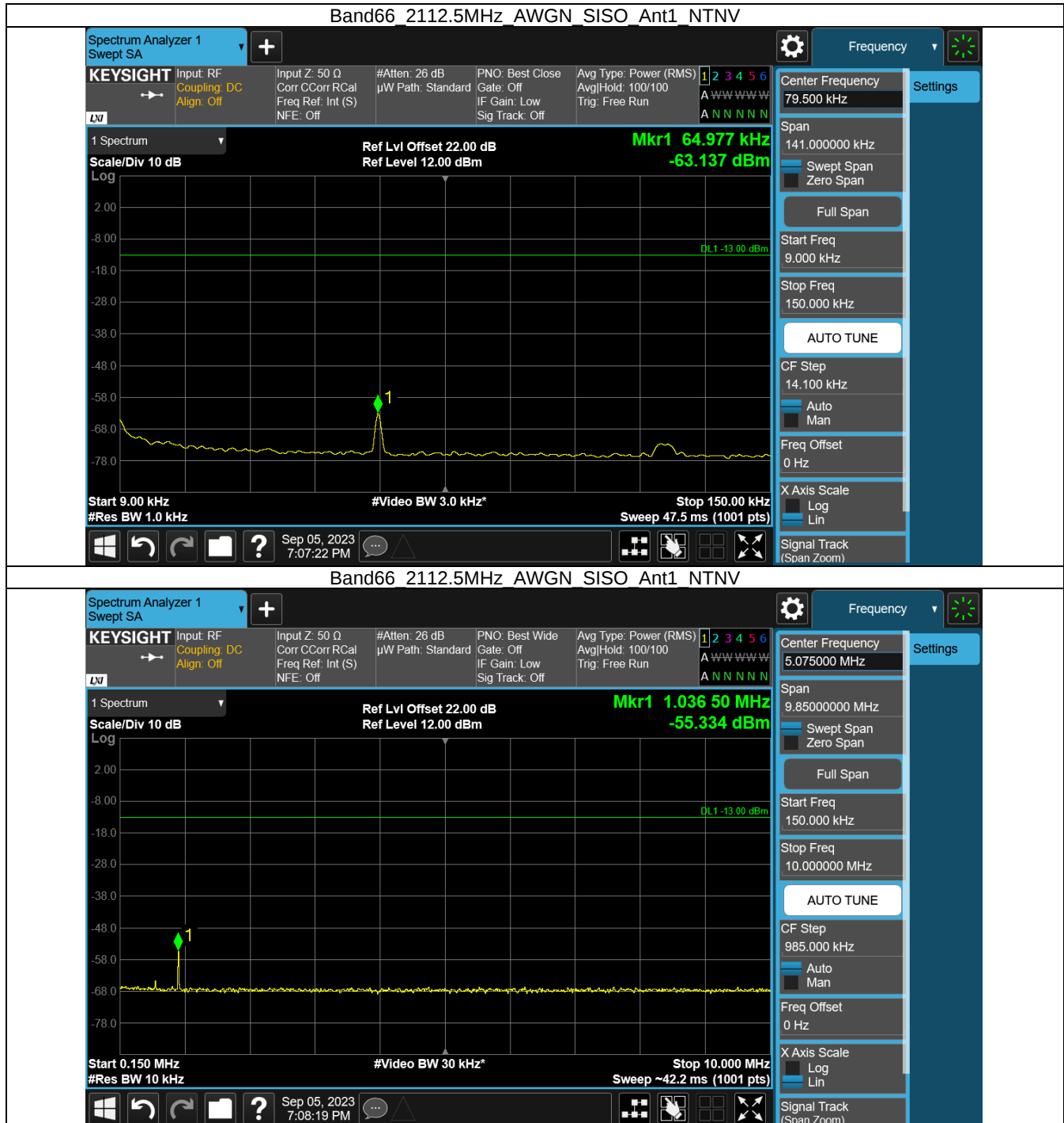
6. Spurious emissions

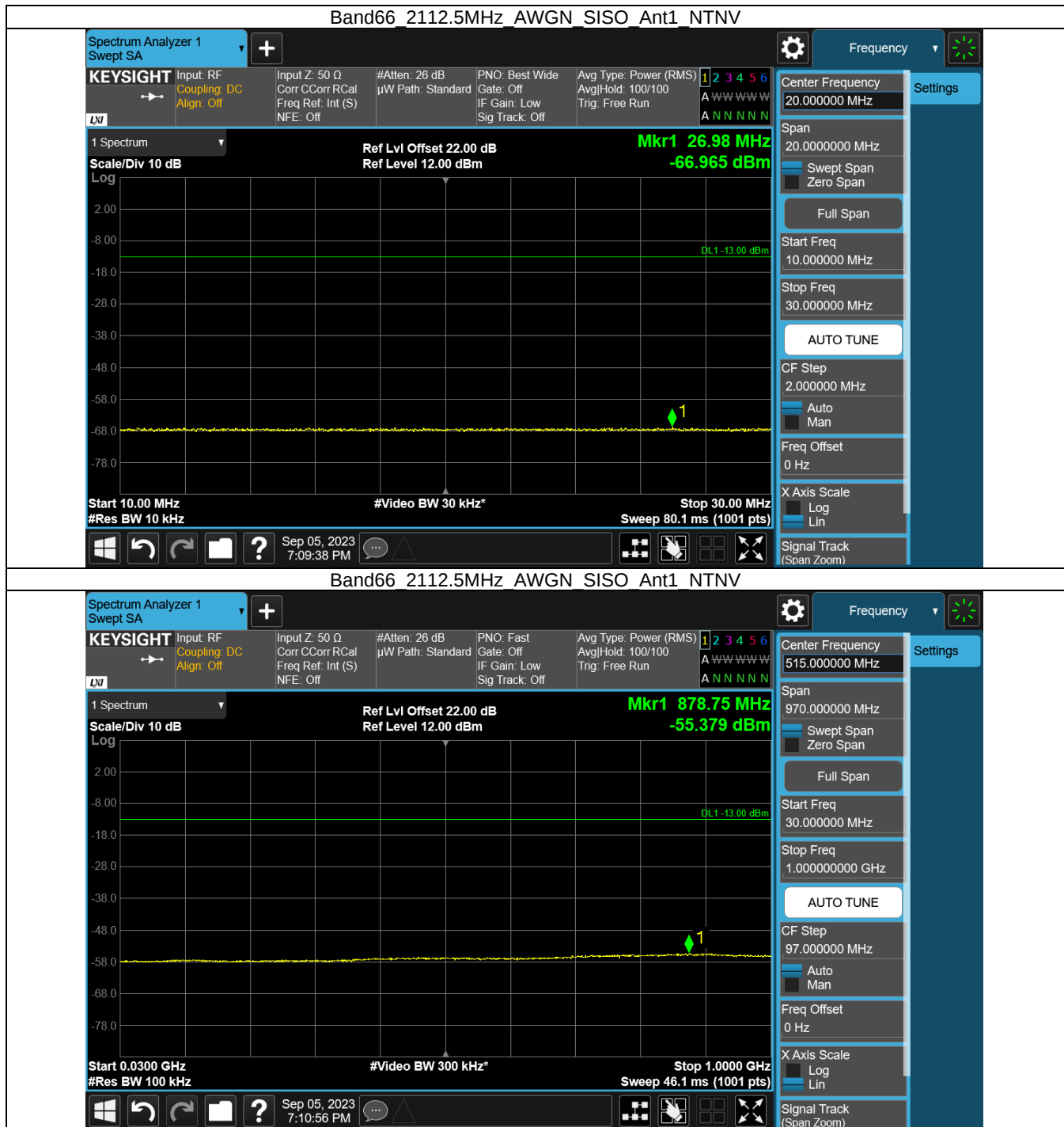
6.1 Band66

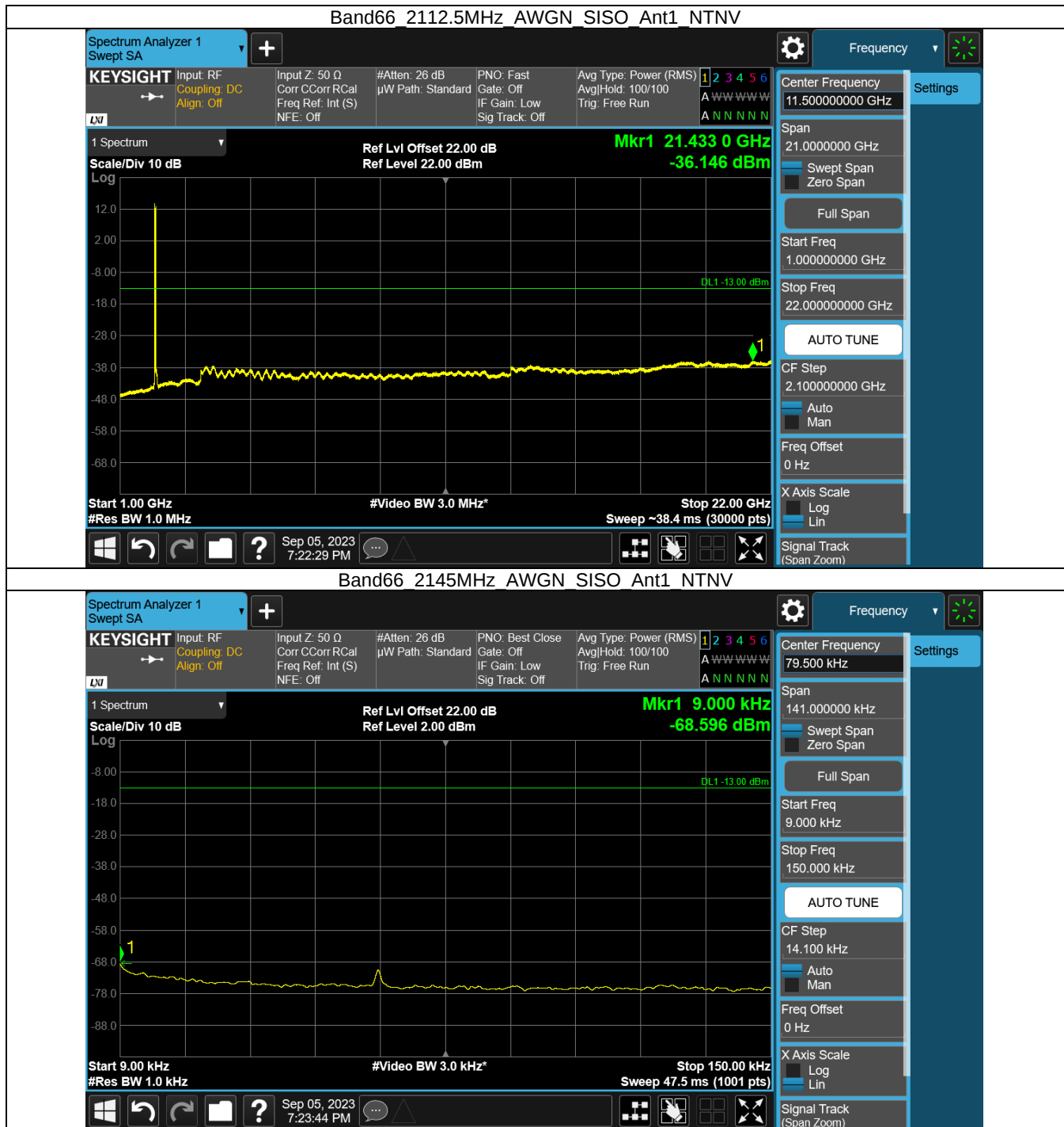
6.1.1 Test Result

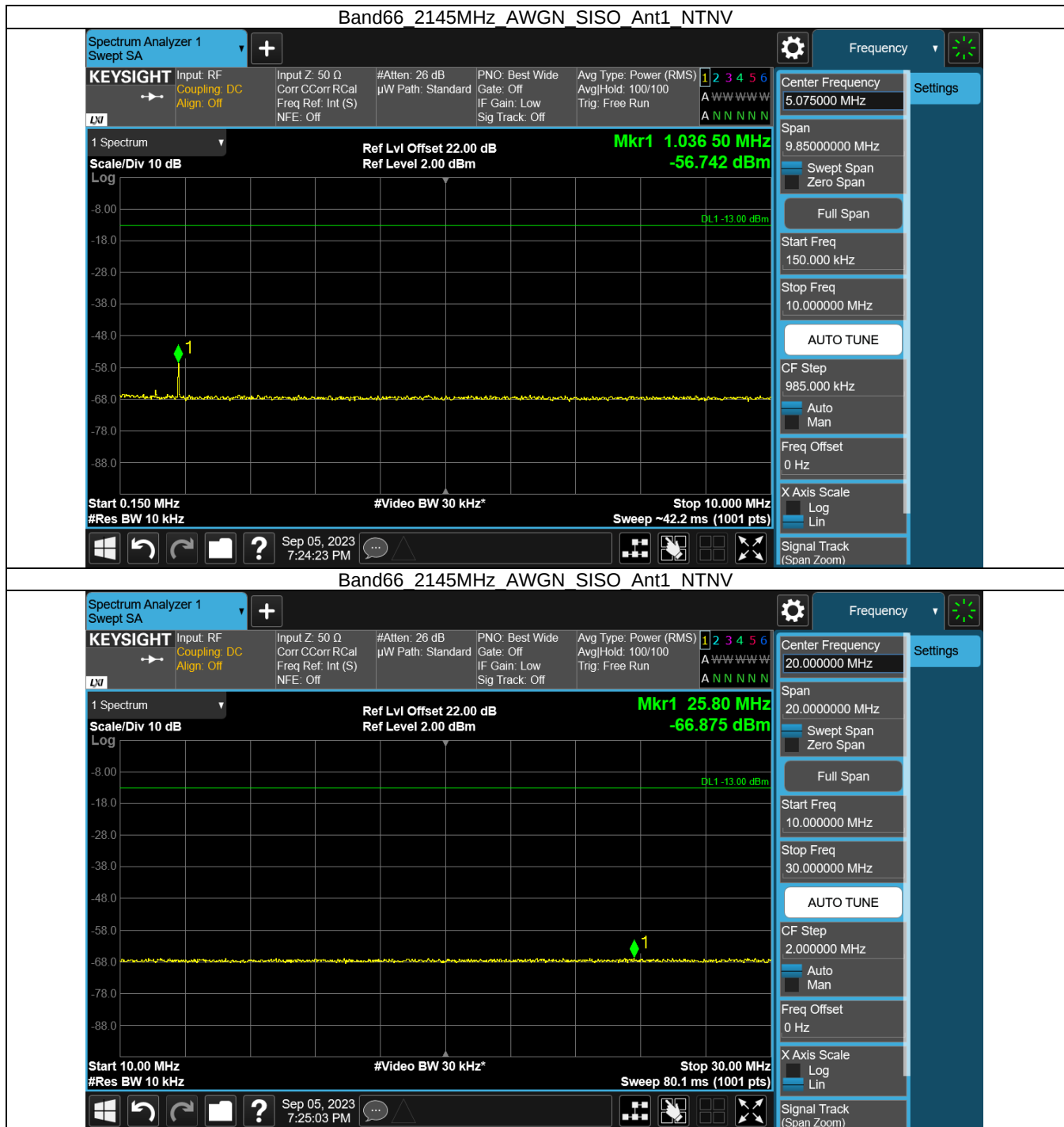
Band: 66 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	-3	2112.5	LCH	SISO	1	Refer To Test Graph		Pass
		2145	MCH	SISO	1	Refer To Test Graph		Pass
		2177.5	HCH	SISO	1	Refer To Test Graph		Pass
GMSK	-3	2110.2	LCH	SISO	1	Refer To Test Graph		Pass
		2145	MCH	SISO	1	Refer To Test Graph		Pass
		2179.8	HCH	SISO	1	Refer To Test Graph		Pass

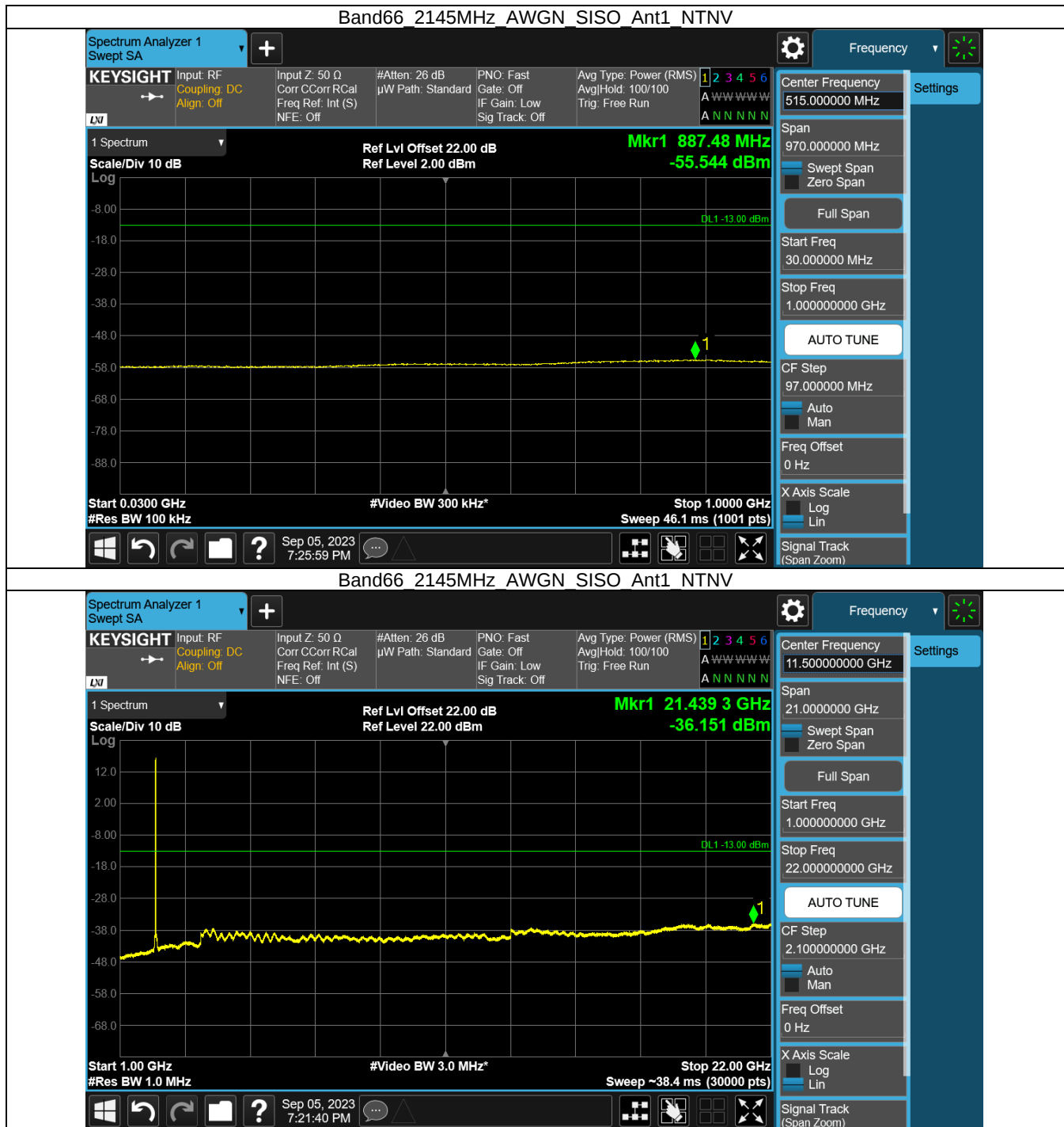
6.1.2 Test Graph



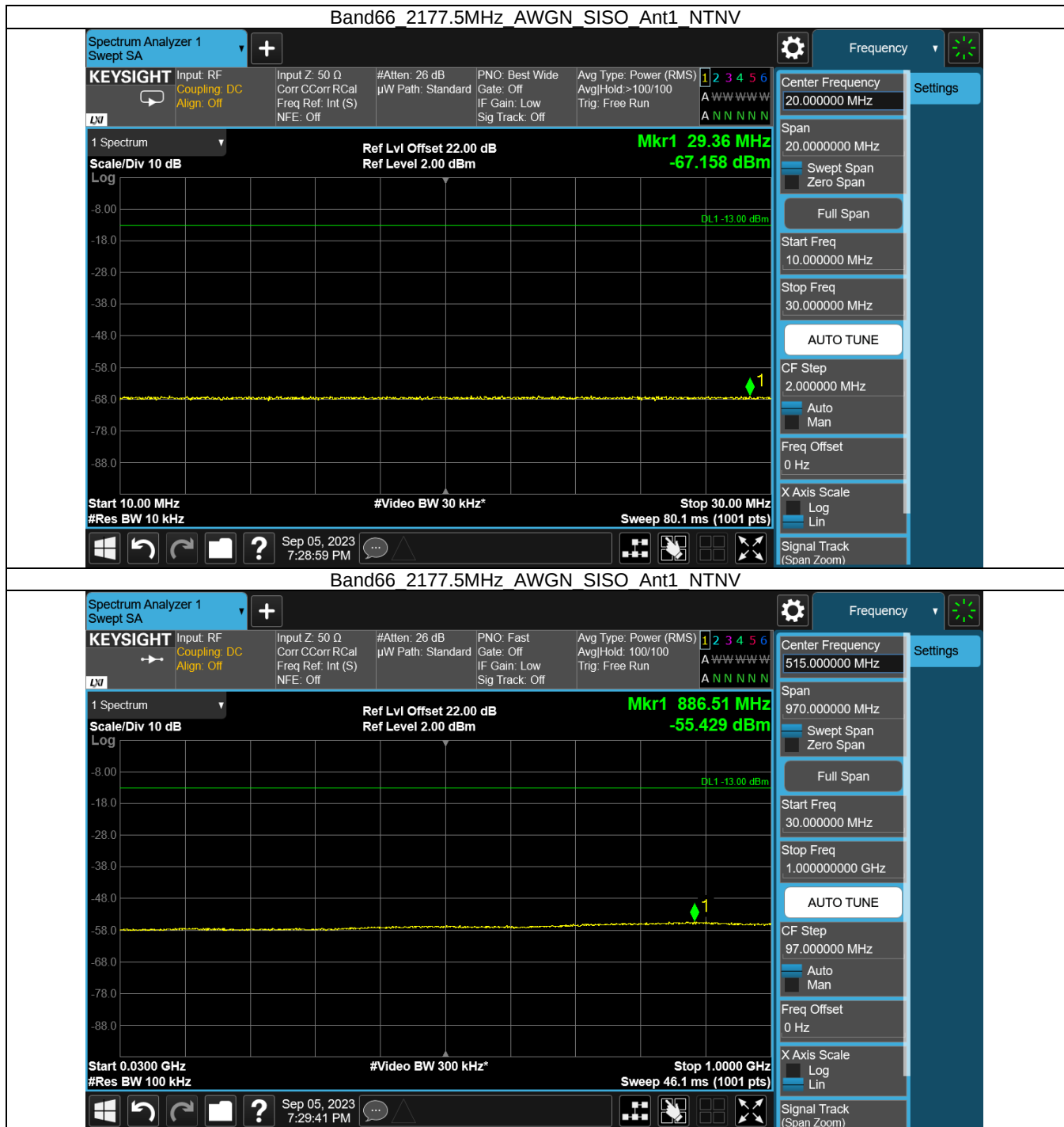


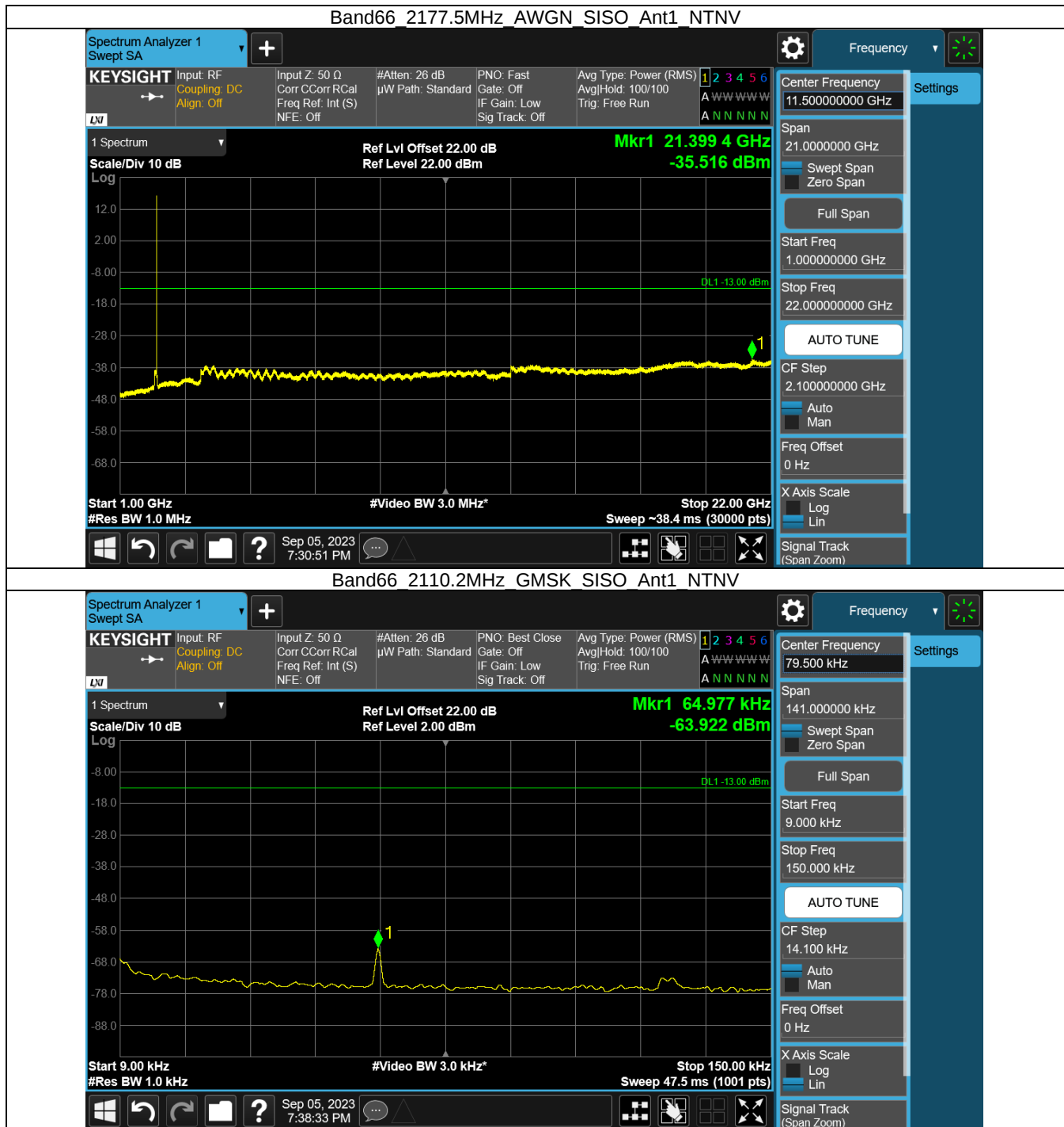


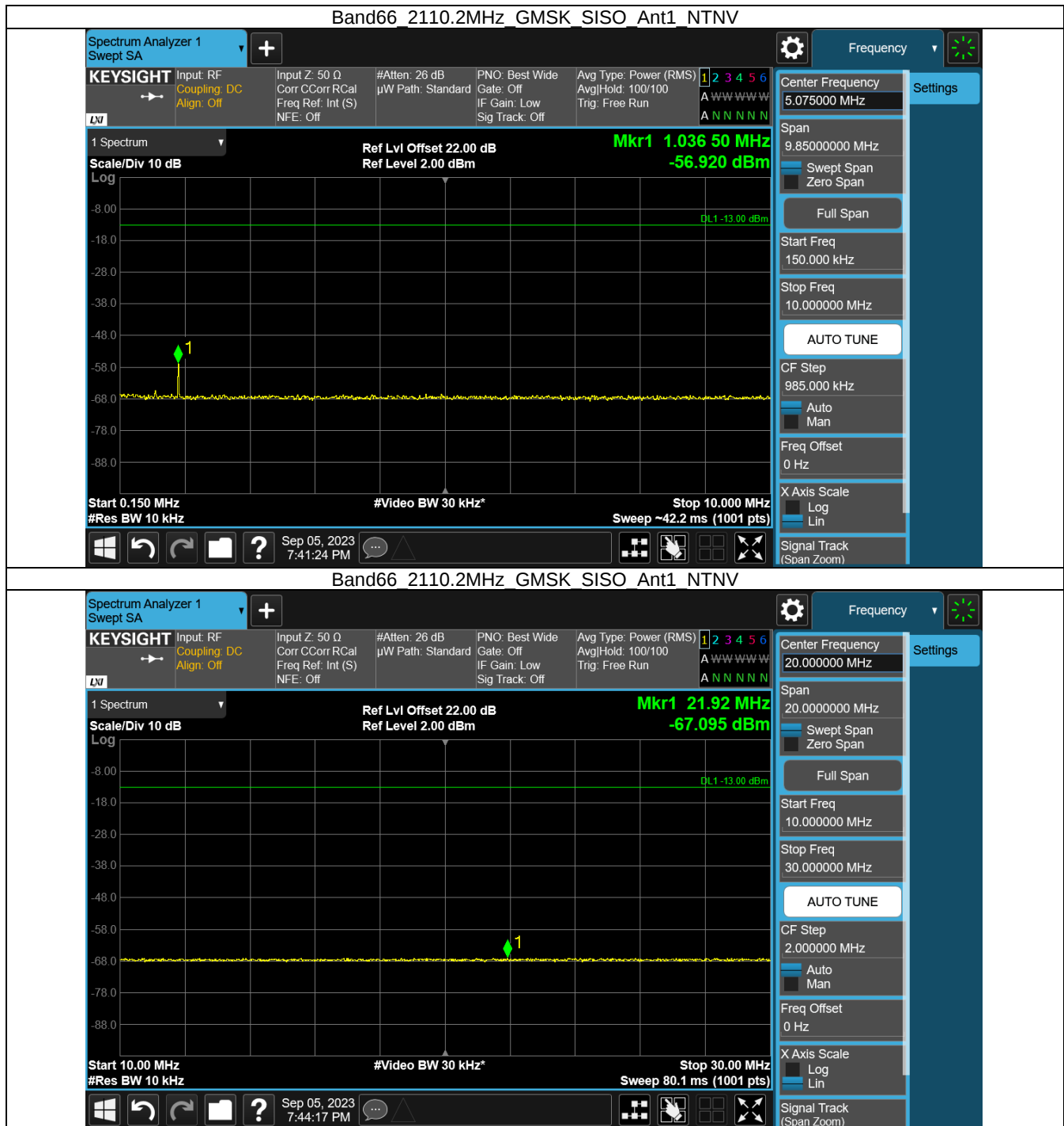


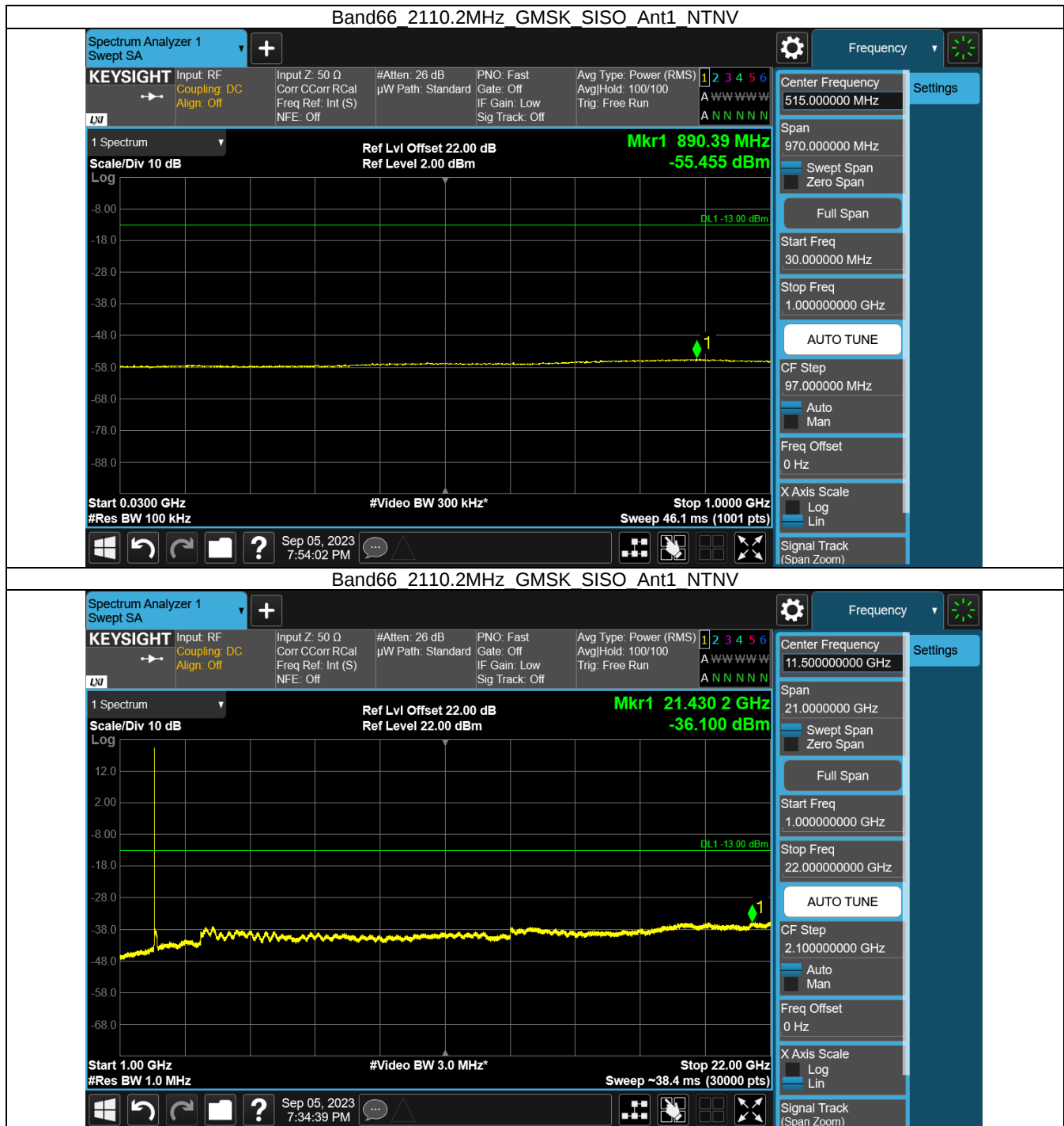


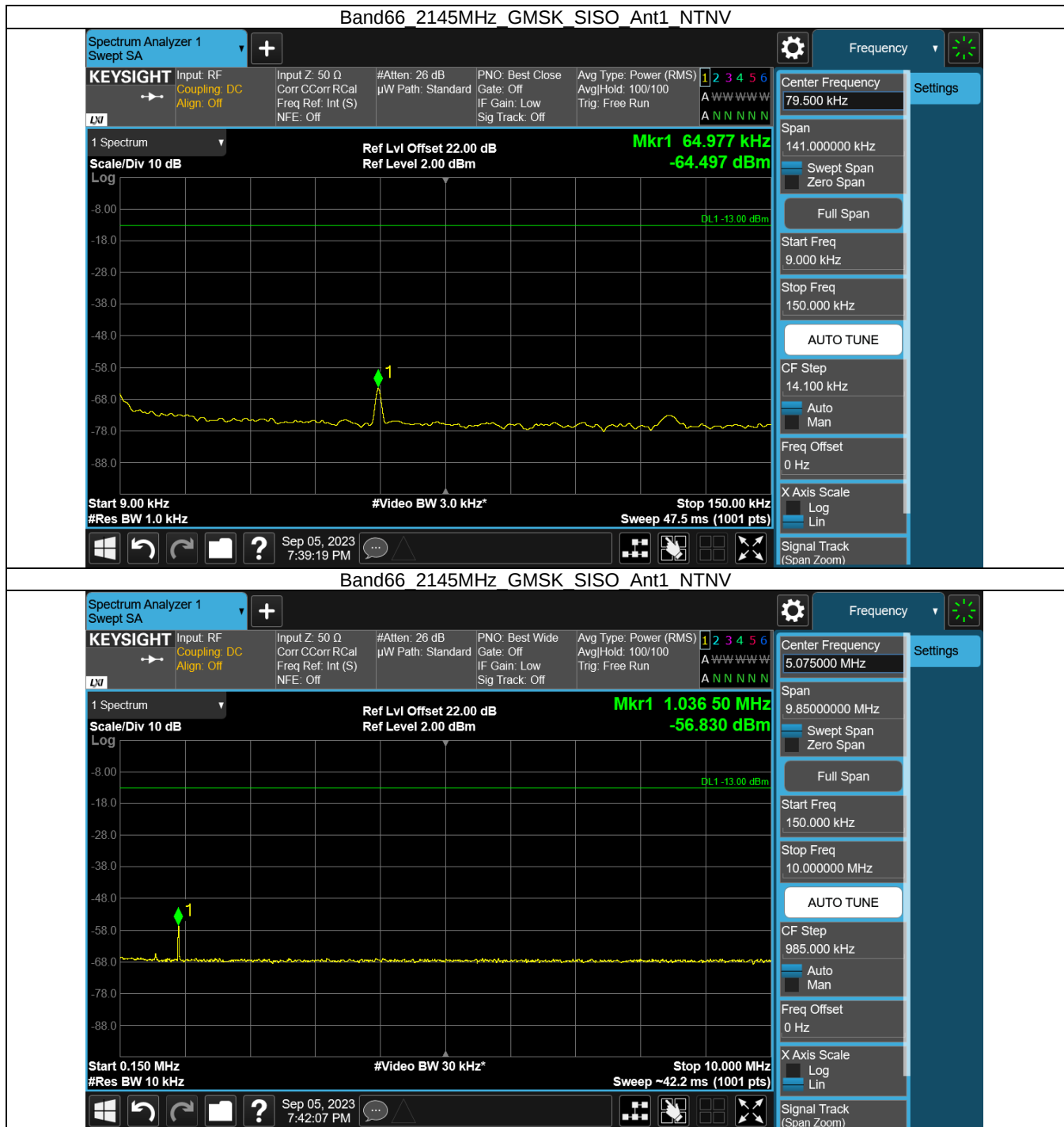




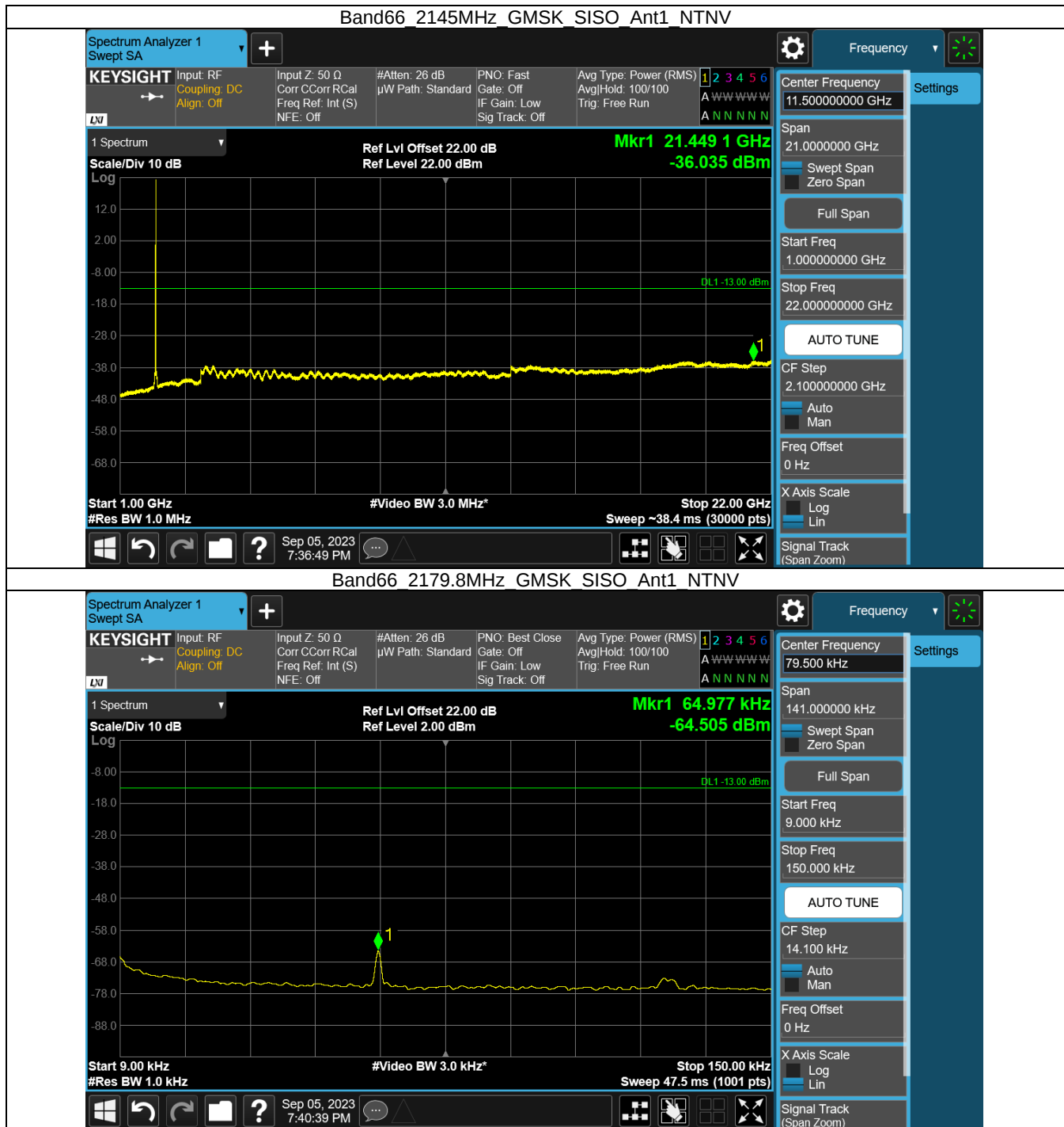


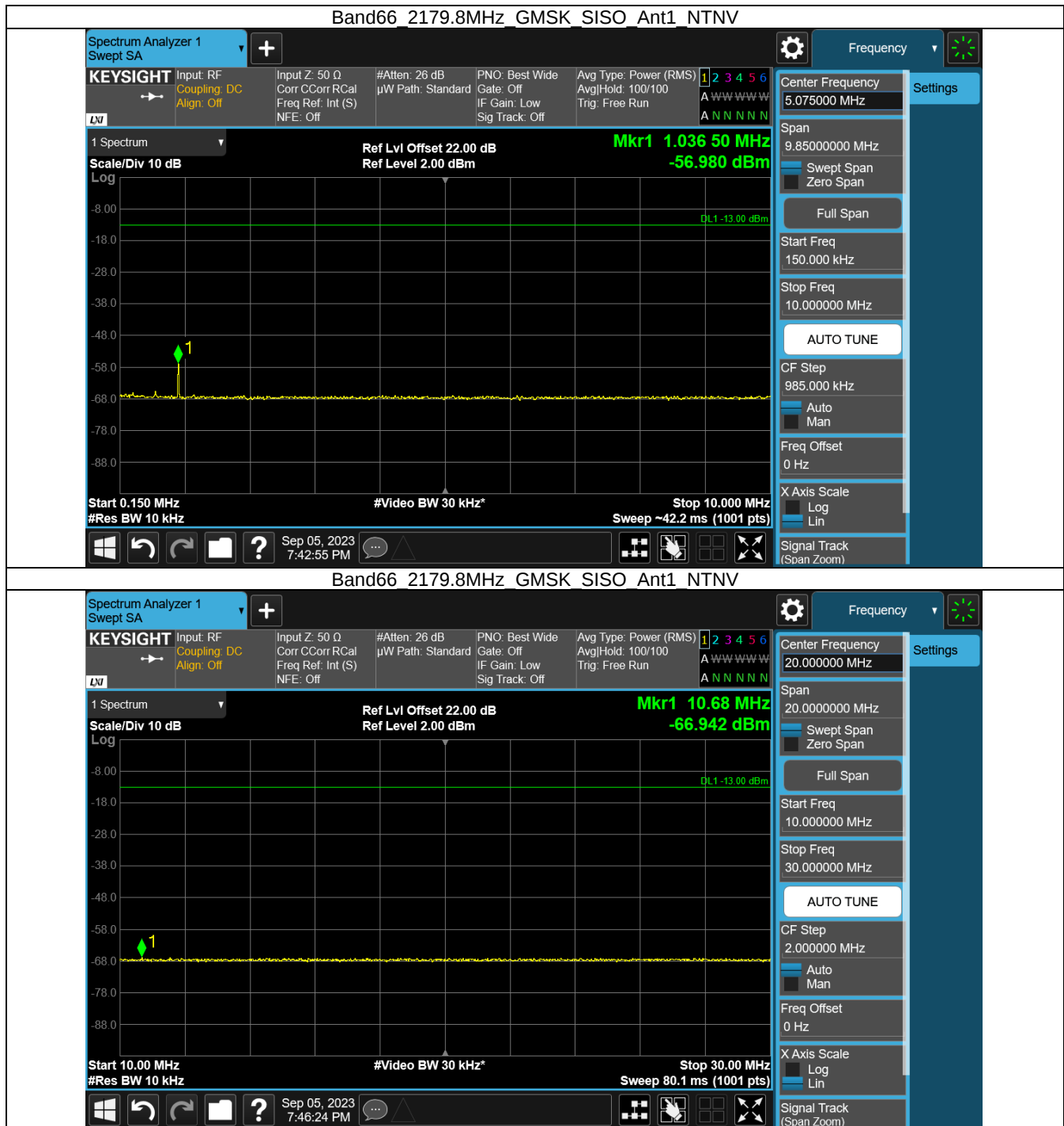


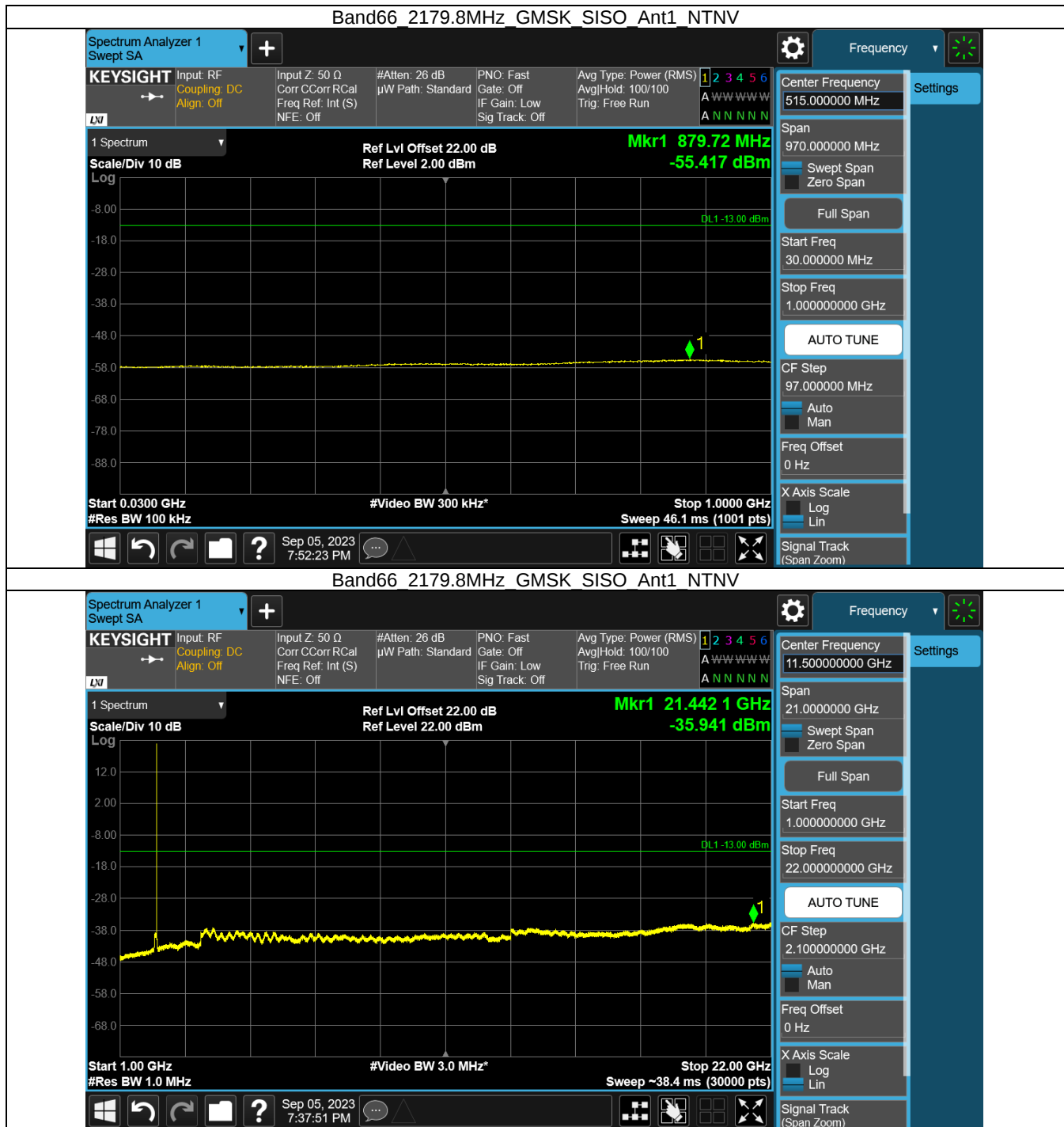












7. Frequency stability measurements

7.1 Band66_Ant1

7.1.1 Test Result

Band: 66							
Signal			Temp (°C)	Voltage (VDC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict
Type	Level (dBm)	Frequency (MHz)					
CW	0.2	2110.2	20	40.8	-163	-0.077	Pass
				48	-169	-0.080	Pass
				55.2	-167	-0.079	Pass
			-30	48	-162	-0.077	Pass
			-20	48	-165	-0.078	Pass
			-10	48	-166	-0.079	Pass
			0	48	-168	-0.080	Pass
			10	48	-164	-0.078	Pass
			30	48	-161	-0.076	Pass
			40	48	-165	-0.078	Pass
			50	48	-170	-0.081	Pass
		2145	20	40.8	-172	-0.080	Pass
				48	-175	-0.082	Pass
				55.2	-174	-0.081	Pass
			-30	48	-176	-0.082	Pass
			-20	48	-179	-0.083	Pass
			-10	48	-180	-0.084	Pass
			0	48	-176	-0.082	Pass
			10	48	-185	-0.086	Pass
			30	48	-179	-0.083	Pass
			40	48	-177	-0.083	Pass
			50	48	-174	-0.081	Pass
		2179.8	20	40.8	-171	-0.078	Pass
				48	-177	-0.081	Pass
				55.2	-174	-0.080	Pass
			-30	48	-178	-0.082	Pass
			-20	48	-171	-0.078	Pass
			-10	48	-175	-0.080	Pass
			0	48	-179	-0.082	Pass
			10	48	-170	-0.078	Pass
			30	48	-169	-0.078	Pass
			40	48	-176	-0.081	Pass
			50	48	-172	-0.079	Pass

8. Radiated Spurious Emissions

8.1 Band66_Ant1

8.1.1 Test Result

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
94.100	Horizontal	-68.99	-13	-55.99	pass
151.375	Horizontal	-61.86	-13	-48.86	pass
731.059	Horizontal	-63.32	-13	-50.32	pass
1355.82	Horizontal	-49.62	-13	-36.62	pass
7898.17	Horizontal	-47.97	-13	-34.97	pass
12624.20	Horizontal	-43.96	-13	-30.96	pass
90.350	Vertical	-62.68	-13	-49.68	pass
156.815	Vertical	-59.54	-13	-46.54	pass
641.959	Vertical	-60.58	-13	-47.58	pass
1329.25	Vertical	-47.07	-13	-34.07	pass
7942.92	Vertical	-51.10	-13	-38.10	pass
12595.97	Vertical	-40.62	-13	-27.62	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
98.614	Horizontal	-62.45	-13	-49.45	pass
168.598	Horizontal	-64.17	-13	-51.17	pass
688.162	Horizontal	-62.73	-13	-49.73	pass
1355.380	Horizontal	-51.99	-13	-38.99	pass
7940.190	Horizontal	-49.95	-13	-36.95	pass
12595.190	Horizontal	-39.68	-13	-26.68	pass
76.295	Vertical	-69.81	-13	-56.81	pass
256.059	Vertical	-59.74	-13	-46.74	pass
523.046	Vertical	-61.33	-13	-48.33	pass
1352.69	Vertical	-50.40	-13	-37.40	pass
7910.42	Vertical	-48.56	-13	-35.56	pass
12639.12	Vertical	-42.55	-13	-29.55	pass

AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
192.118	Horizontal	-64.10	-13	-51.10	pass
378.102	Horizontal	-63.17	-13	-50.17	pass
592.369	Horizontal	-57.02	-13	-44.02	pass
1337.83	Horizontal	-51.08	-13	-38.08	pass
7898.44	Horizontal	-50.32	-13	-37.32	pass
12623.60	Horizontal	-39.72	-13	-26.72	pass
147.195	Vertical	-63.94	-13	-50.94	pass
245.699	Vertical	-64.44	-13	-51.44	pass
697.616	Vertical	-62.05	-13	-49.05	pass
1341.92	Vertical	-47.69	-13	-34.69	pass
7935.29	Vertical	-55.13	-13	-42.13	pass
12600.75	Vertical	-40.54	-13	-27.54	pass

GMSK_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
86.324	Horizontal	-62.45	-13	-49.45	pass
175.638	Horizontal	-60.62	-13	-47.62	pass
763.622	Horizontal	-59.06	-13	-46.06	pass
2112.63	Horizontal	-54.54	-13	-41.54	pass
8003.38	Horizontal	-50.05	-13	-37.05	pass
11609.82	Horizontal	-40.81	-13	-27.81	pass
161.535	Vertical	-65.13	-13	-52.13	pass
260.089	Vertical	-61.22	-13	-48.22	pass
513.206	Vertical	-63.05	-13	-50.05	pass
2120.62	Vertical	-46.80	-13	-33.80	pass
8018.33	Vertical	-52.06	-13	-39.06	pass
11622.10	Vertical	-39.79	-13	-26.79	pass

GMSK_Middle channel					
Frequency	Spurious Emission		Limit	Over limit	Result

	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
79.694	Horizontal	-68.47	-13	-55.47	pass
189.528	Horizontal	-60.15	-13	-47.15	pass
374.372	Horizontal	-60.71	-13	-47.71	pass
2114.70	Horizontal	-50.83	-13	-37.83	pass
7996.86	Horizontal	-52.84	-13	-39.84	pass
11613.02	Horizontal	-44.17	-13	-31.17	pass
137.475	Vertical	-64.57	-13	-51.57	pass
259.359	Vertical	-63.64	-13	-50.64	pass
519.576	Vertical	-63.70	-13	-50.70	pass
2131.15	Vertical	-52.51	-13	-39.51	pass
8044.14	Vertical	-48.56	-13	-35.56	pass
11628.70	Vertical	-36.77	-13	-23.77	pass

GMSK_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
49.930	Horizontal	-68.82	-13	-55.82	pass
244.545	Horizontal	-62.29	-13	-49.29	pass
648.279	Horizontal	-60.85	-13	-47.85	pass
2084.61	Horizontal	-52.32	-13	-39.32	pass
8117.93	Horizontal	-47.53	-13	-34.53	pass
11779.19	Horizontal	-40.77	-13	-27.77	pass
137.945	Vertical	-62.54	-13	-49.54	pass
252.299	Vertical	-63.79	-13	-50.79	pass
504.786	Vertical	-63.10	-13	-50.10	pass
2106.74	Vertical	-53.83	-13	-40.83	pass
8096.26	Vertical	-48.62	-13	-35.62	pass
11783.67	Vertical	-41.58	-13	-28.58	pass