



11.3. Appendix C: Maximum AVG conducted output power

11.3.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	19.76	<=30	PASS
		2417	19.55	<=30	PASS
		2437	19.72	<=30	PASS
		2457	19.76	<=30	PASS
		2462	19.53	<=30	PASS
11G	Ant1	2412	16.82	<=30	PASS
		2417	18.31	<=30	PASS
		2437	19.63	<=30	PASS
		2457	19.09	<=30	PASS
		2462	15.94	<=30	PASS
11N20SISO	Ant1	2412	15.18	<=30	PASS
		2417	18.38	<=30	PASS
		2437	19.73	<=30	PASS
		2457	18.18	<=30	PASS
		2462	14.68	<=30	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



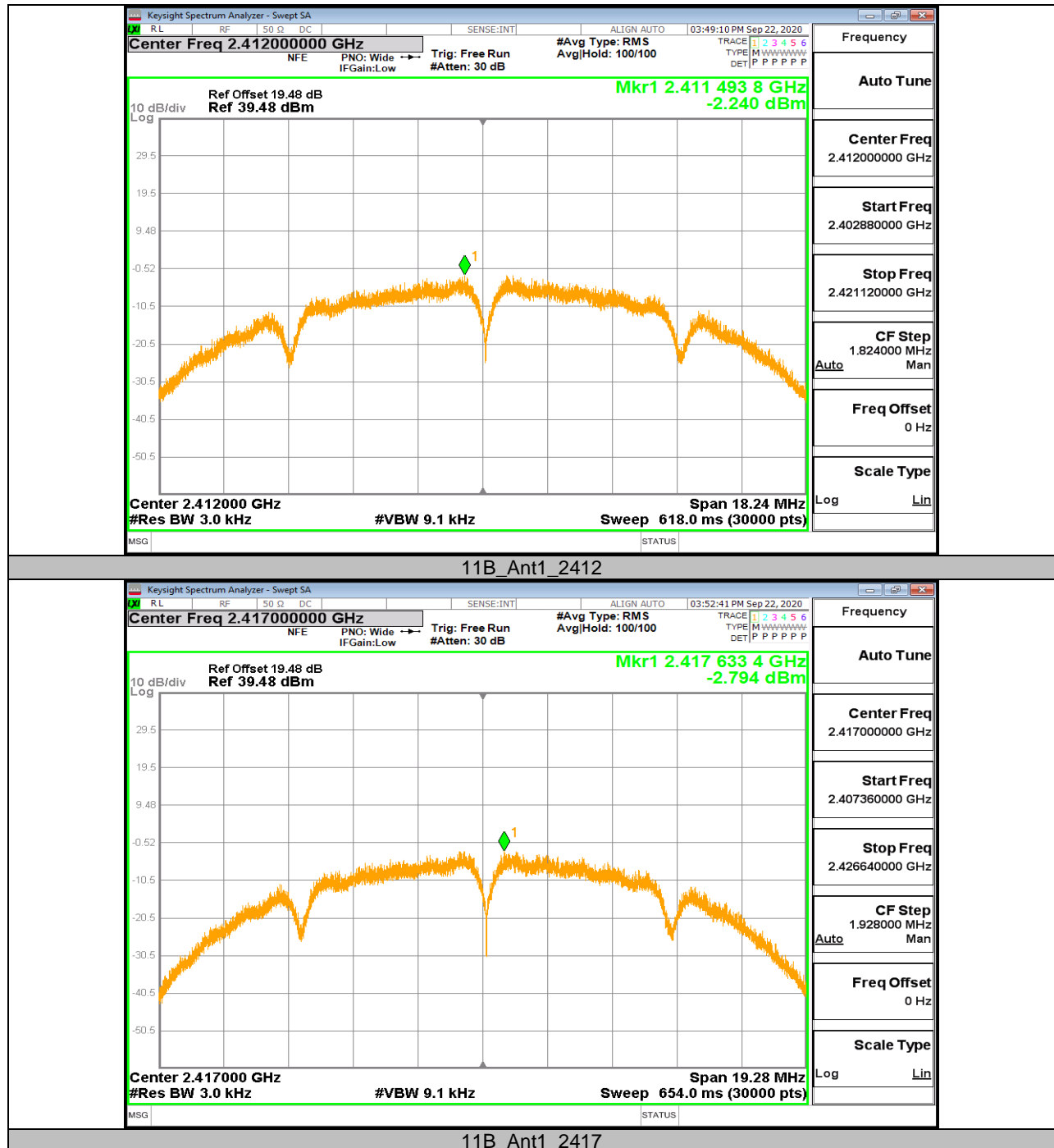
11.4. Appendix D: Maximum power spectral density

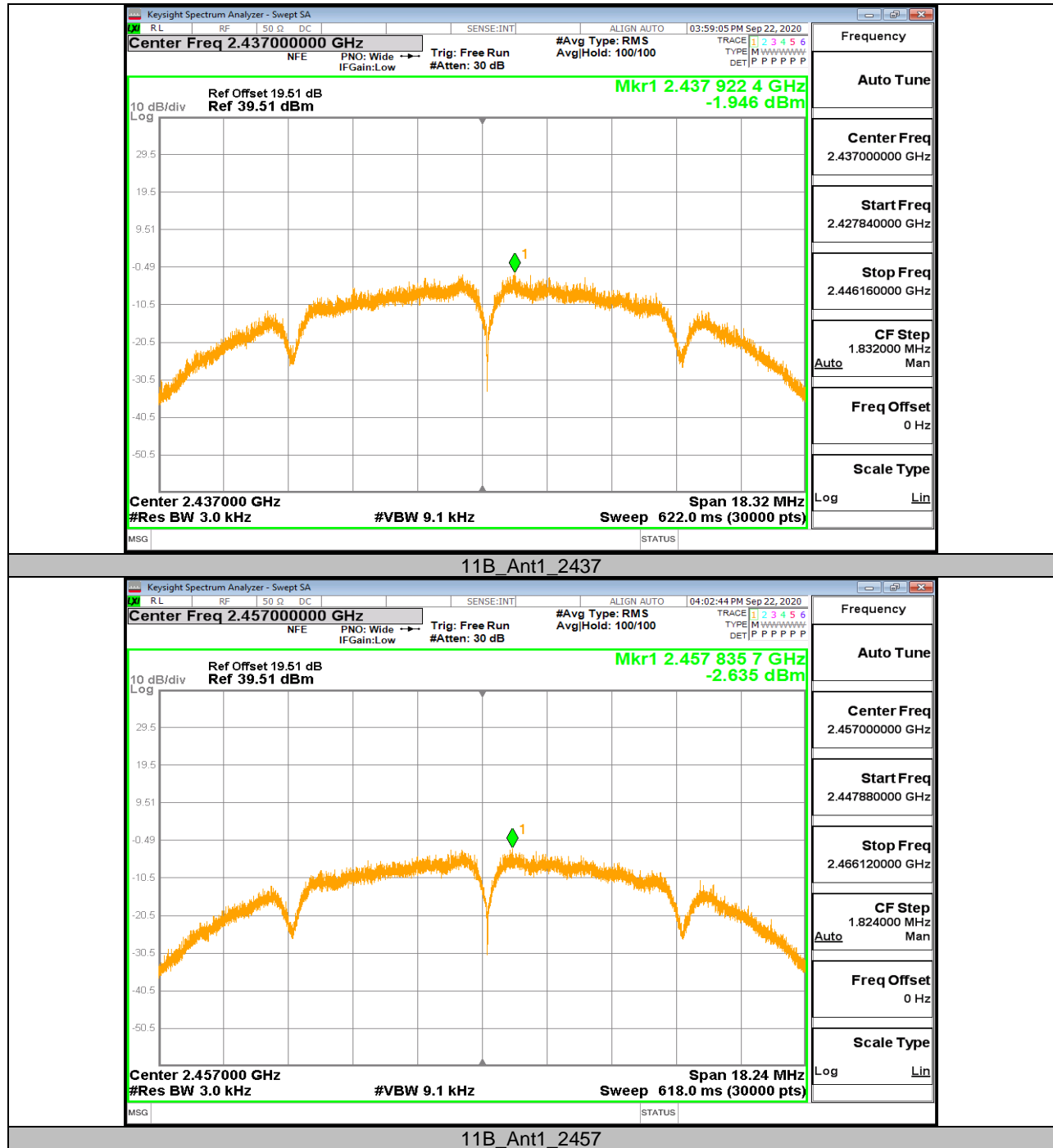
11.4.1. Test Result

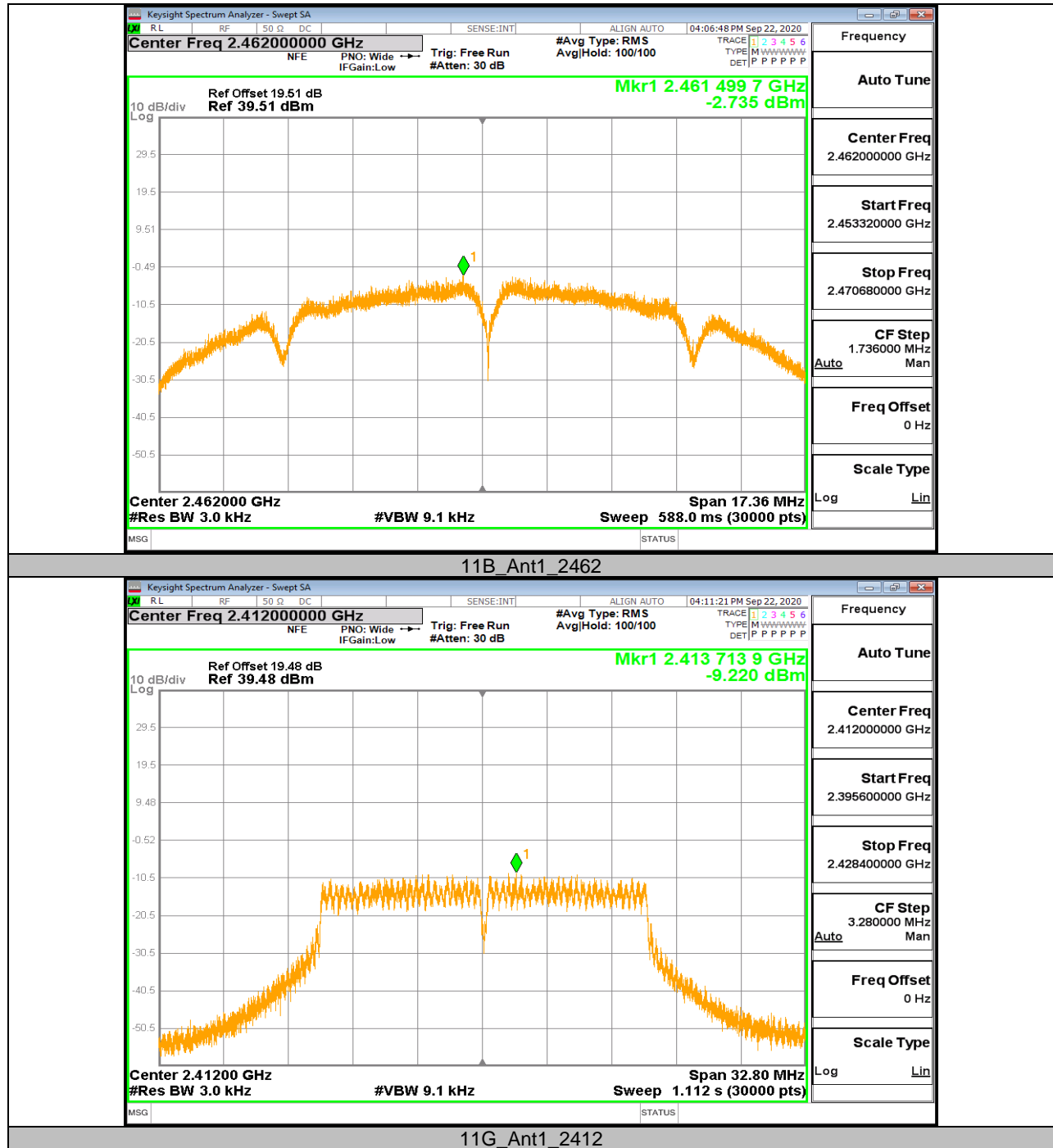
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.24	<=8	PASS
		2417	-2.79	<=8	PASS
		2437	-1.95	<=8	PASS
		2457	-2.64	<=8	PASS
		2462	-2.74	<=8	PASS
11G	Ant1	2412	-9.22	<=8	PASS
		2417	-7.49	<=8	PASS
		2437	-6.26	<=8	PASS
		2457	-6.66	<=8	PASS
		2462	-8.4	<=8	PASS
11N20SISO	Ant1	2412	-8.96	<=8	PASS
		2417	-7.46	<=8	PASS
		2437	-5.22	<=8	PASS
		2457	-6.79	<=8	PASS
		2462	-10.55	<=8	PASS

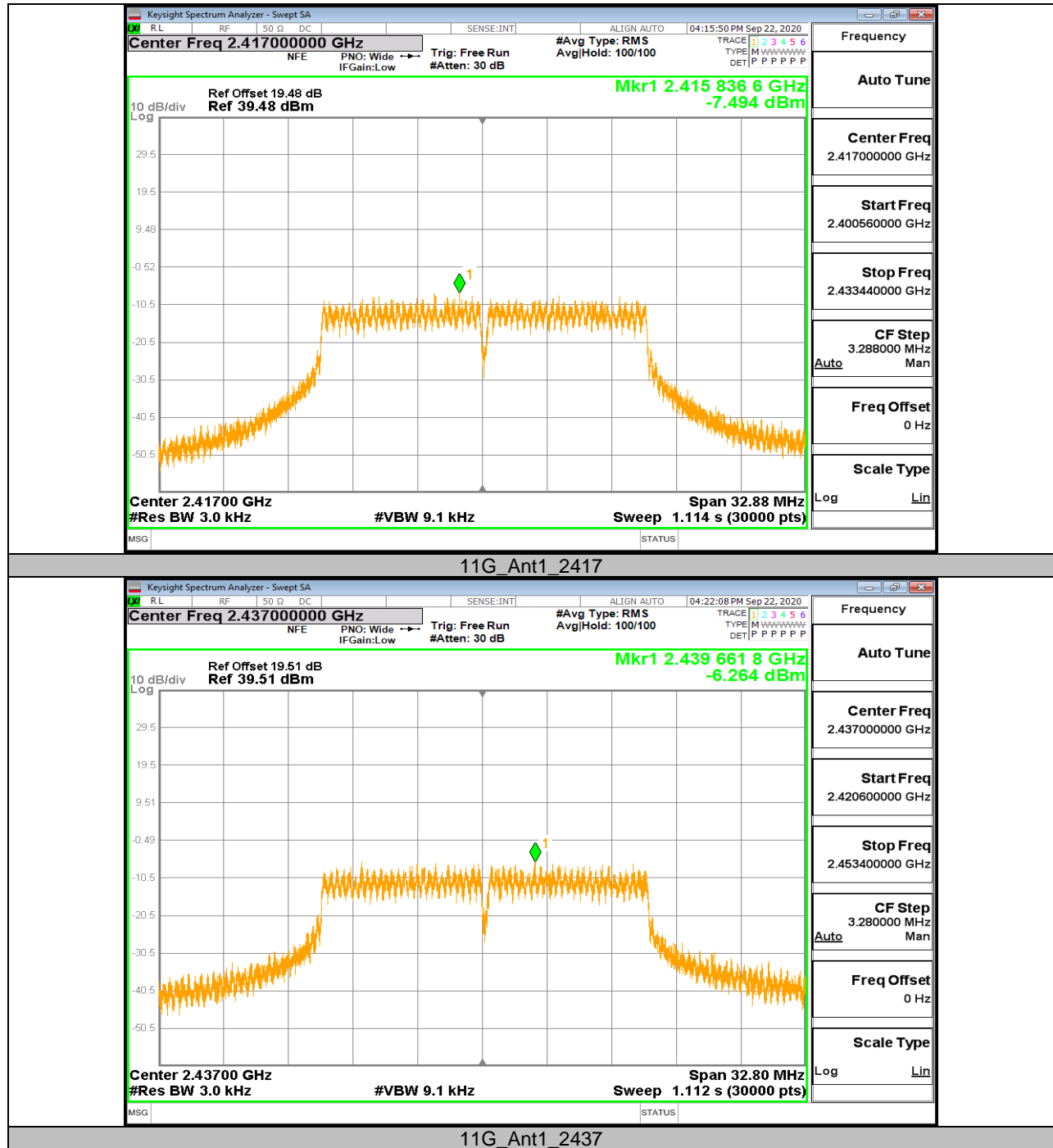


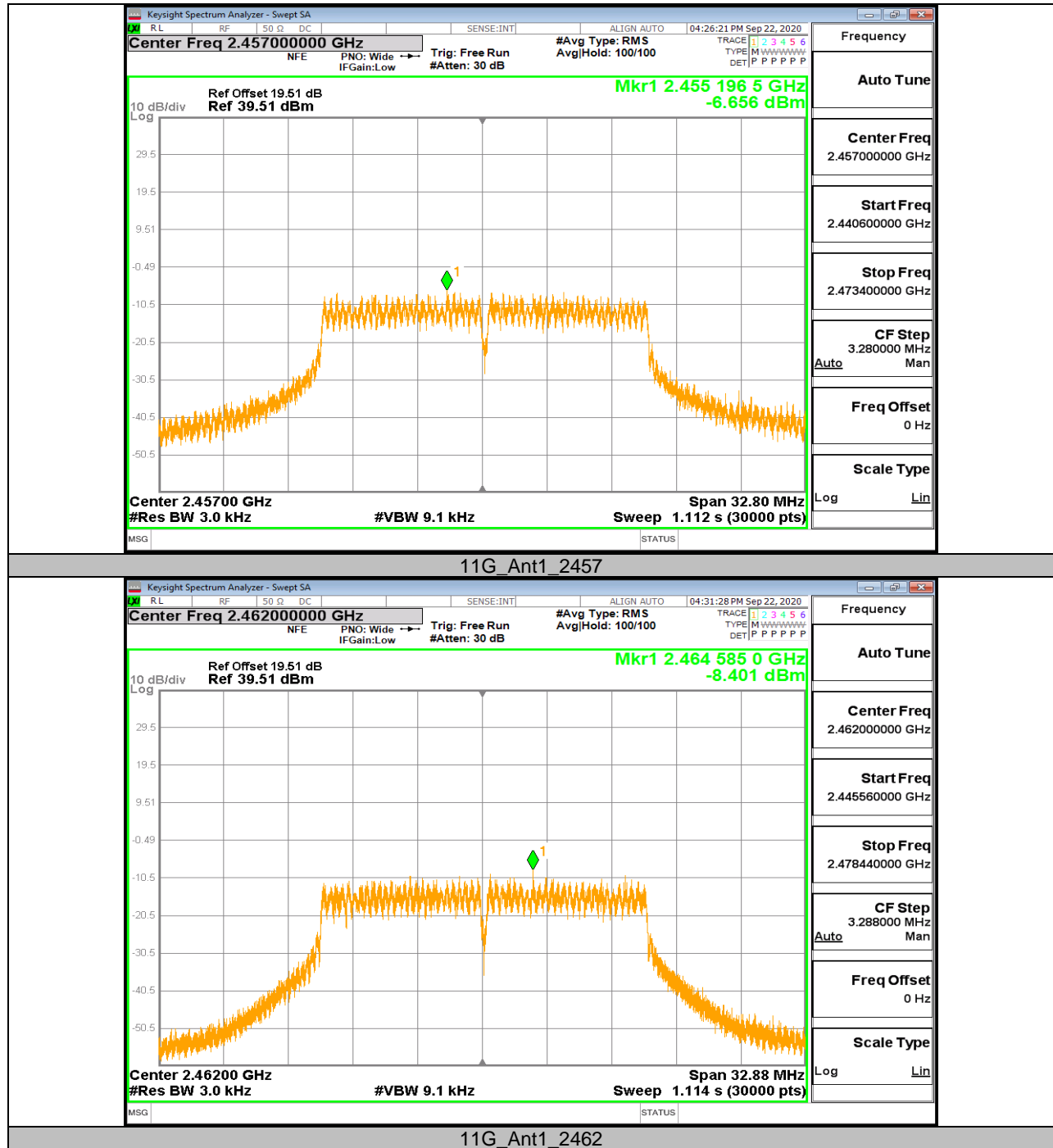
11.4.2. Test Graphs

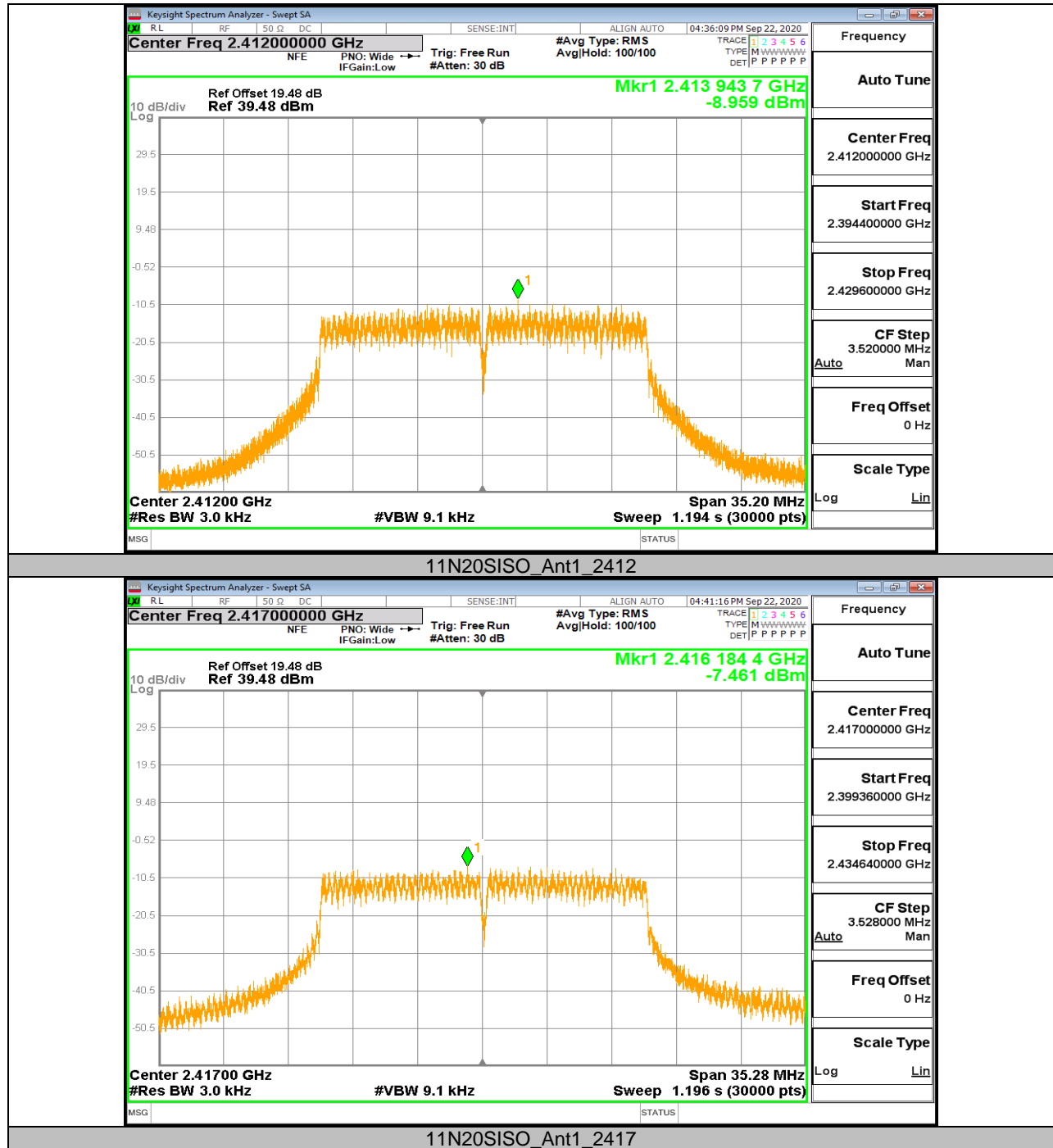


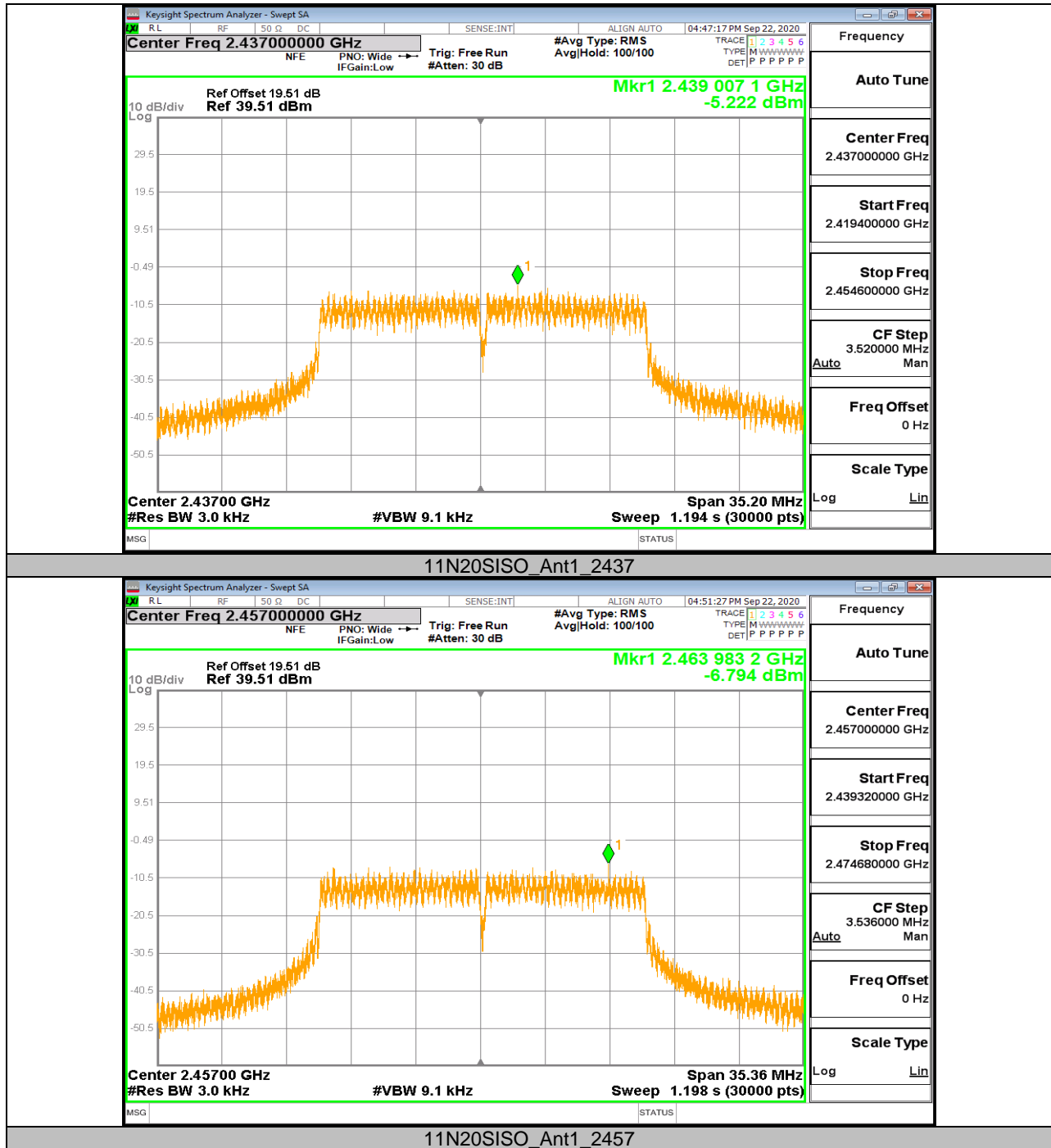


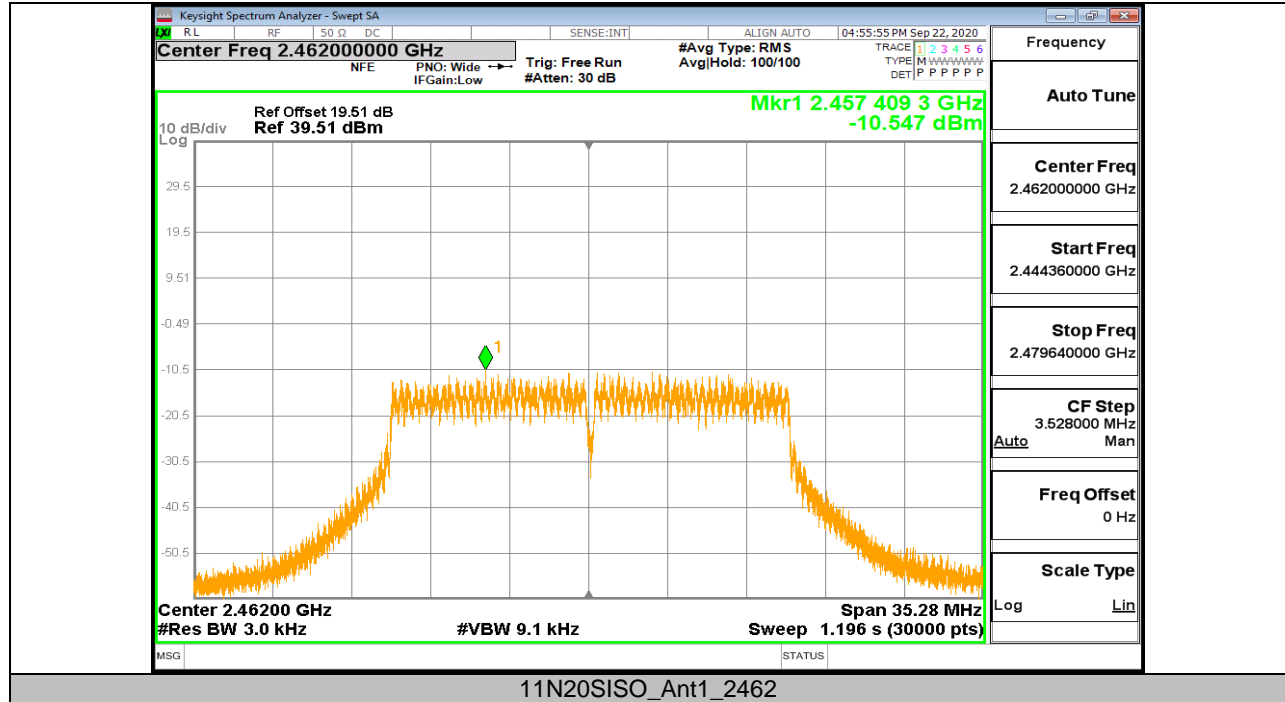














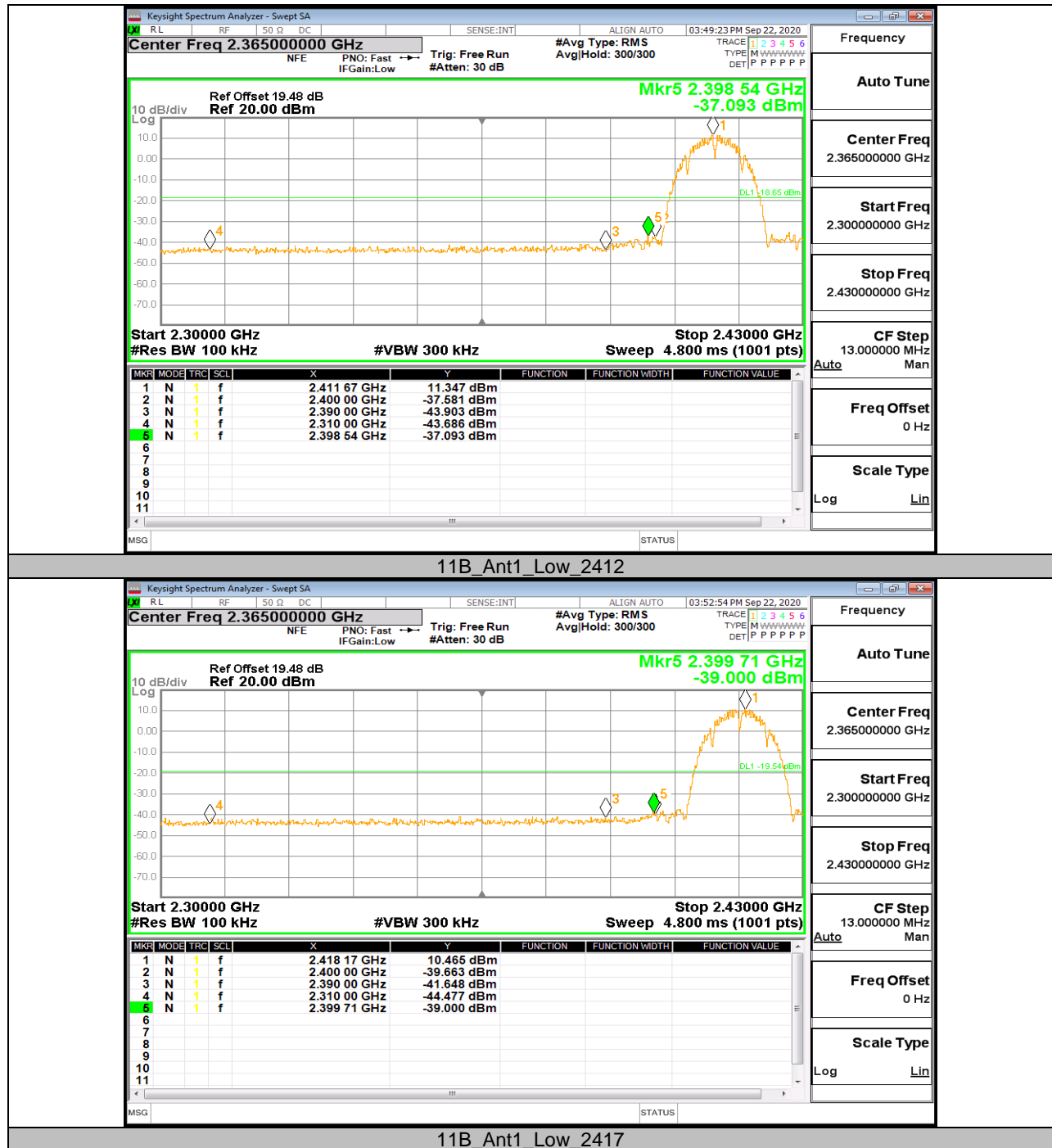
11.5. Appendix E: Band edge measurements

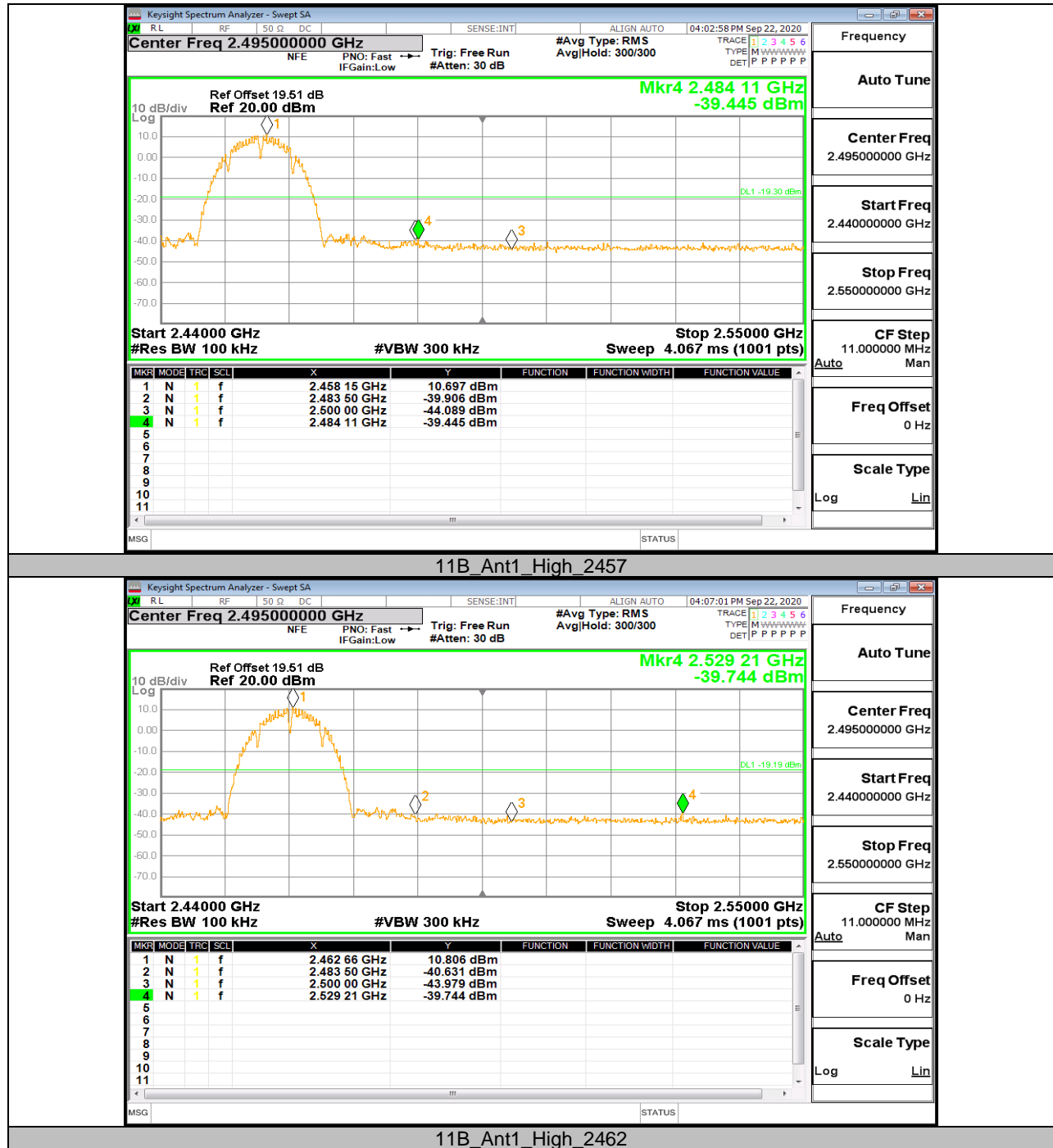
11.5.1. Test Result

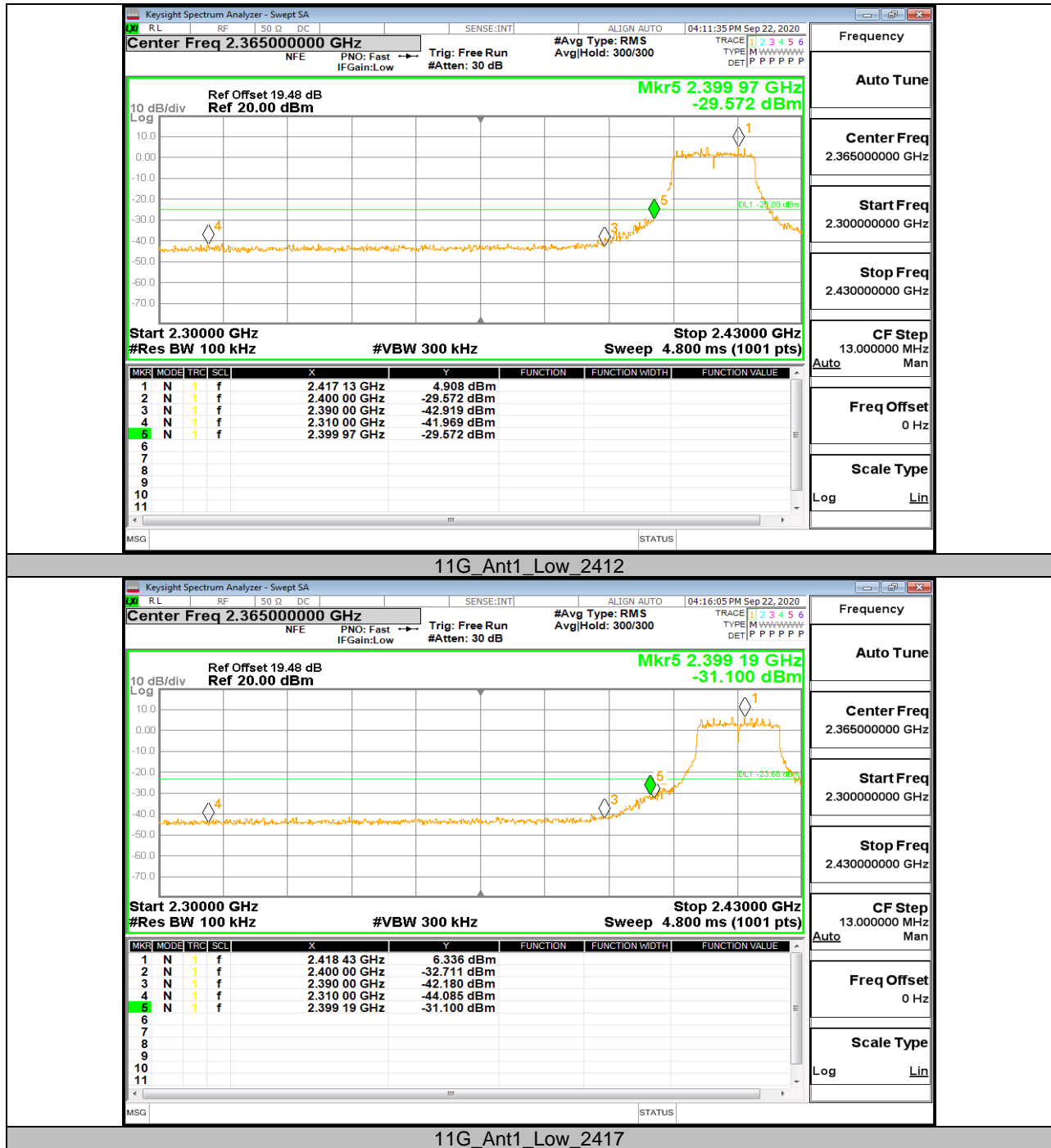
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	11.35	-37.09	<=-18.65	PASS
			2417	10.47	-39	<=-19.54	PASS
		High	2457	10.70	-39.45	<=-19.3	PASS
			2462	10.81	-39.74	<=-19.19	PASS
11G	Ant1	Low	2412	4.91	-29.57	<=-25.09	PASS
			2417	6.34	-31.1	<=-23.66	PASS
		High	2457	6.98	-37.31	<=-23.02	PASS
			2462	4.16	-38.66	<=-25.84	PASS
11N20SISO	Ant1	Low	2412	4.26	-30.3	<=-25.74	PASS
			2417	6.91	-27.98	<=-23.09	PASS
		High	2457	6.88	-36.5	<=-23.12	PASS
			2462	2.69	-40.2	<=-27.31	PASS

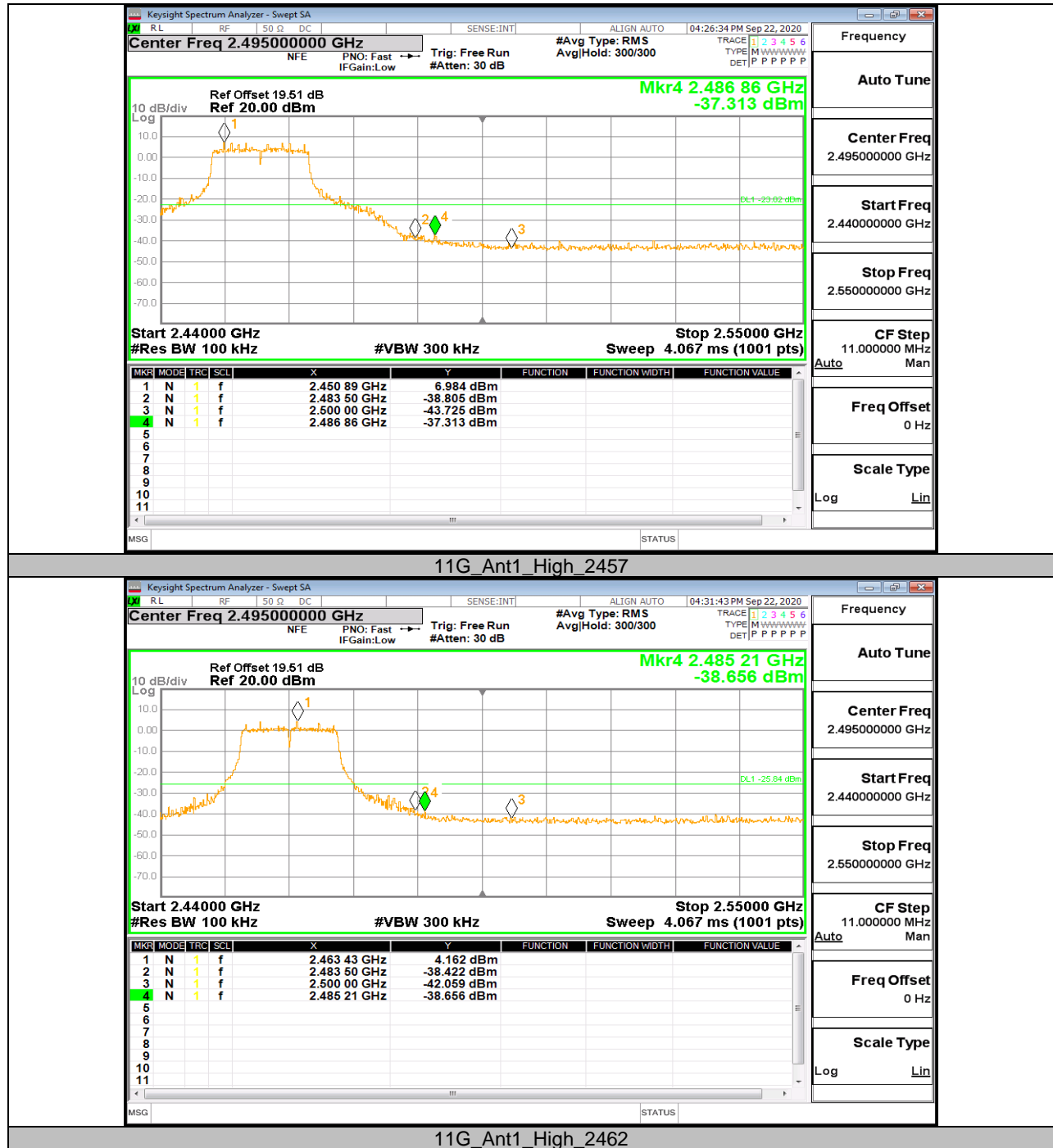


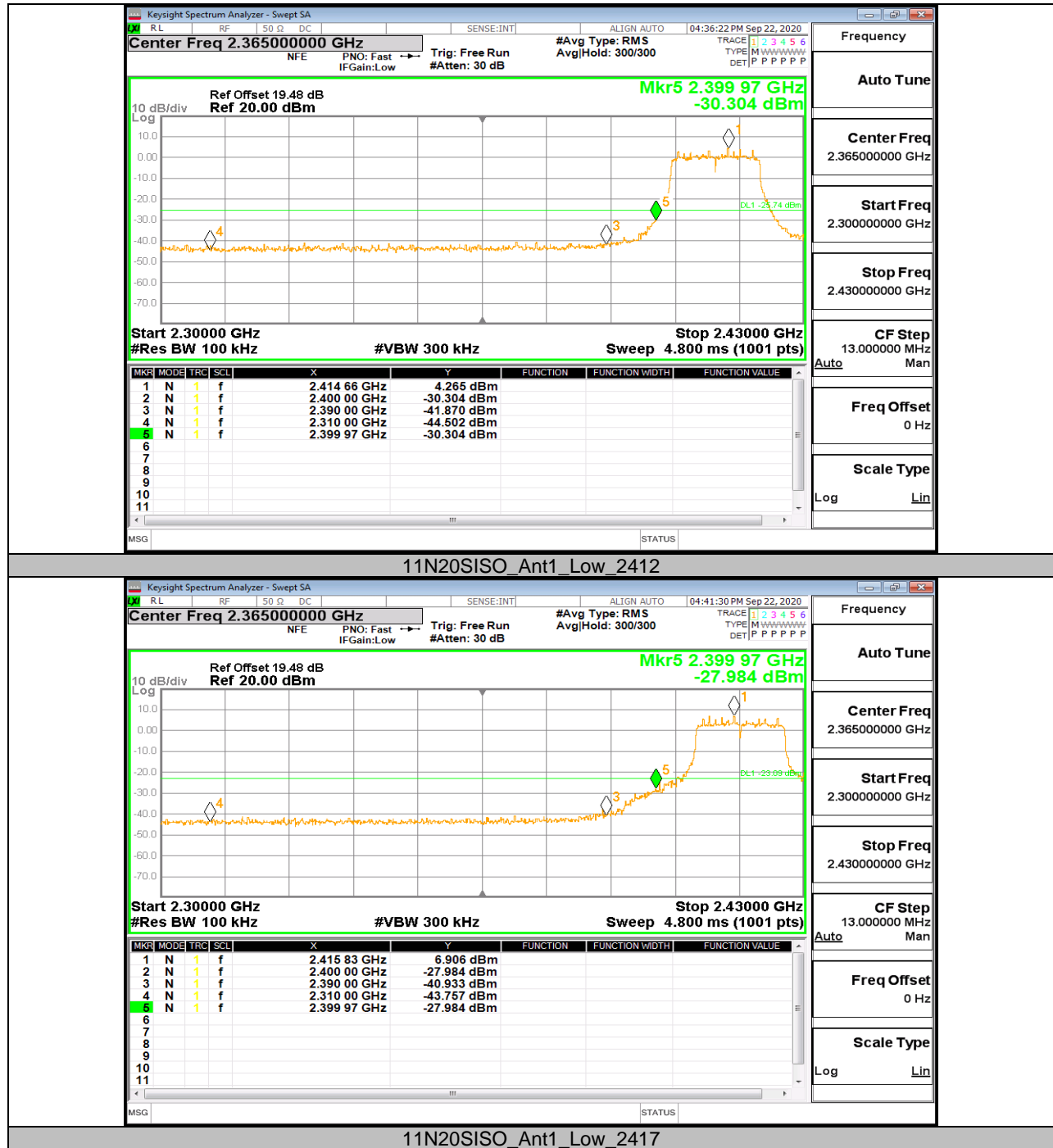
11.5.2. Test Graphs

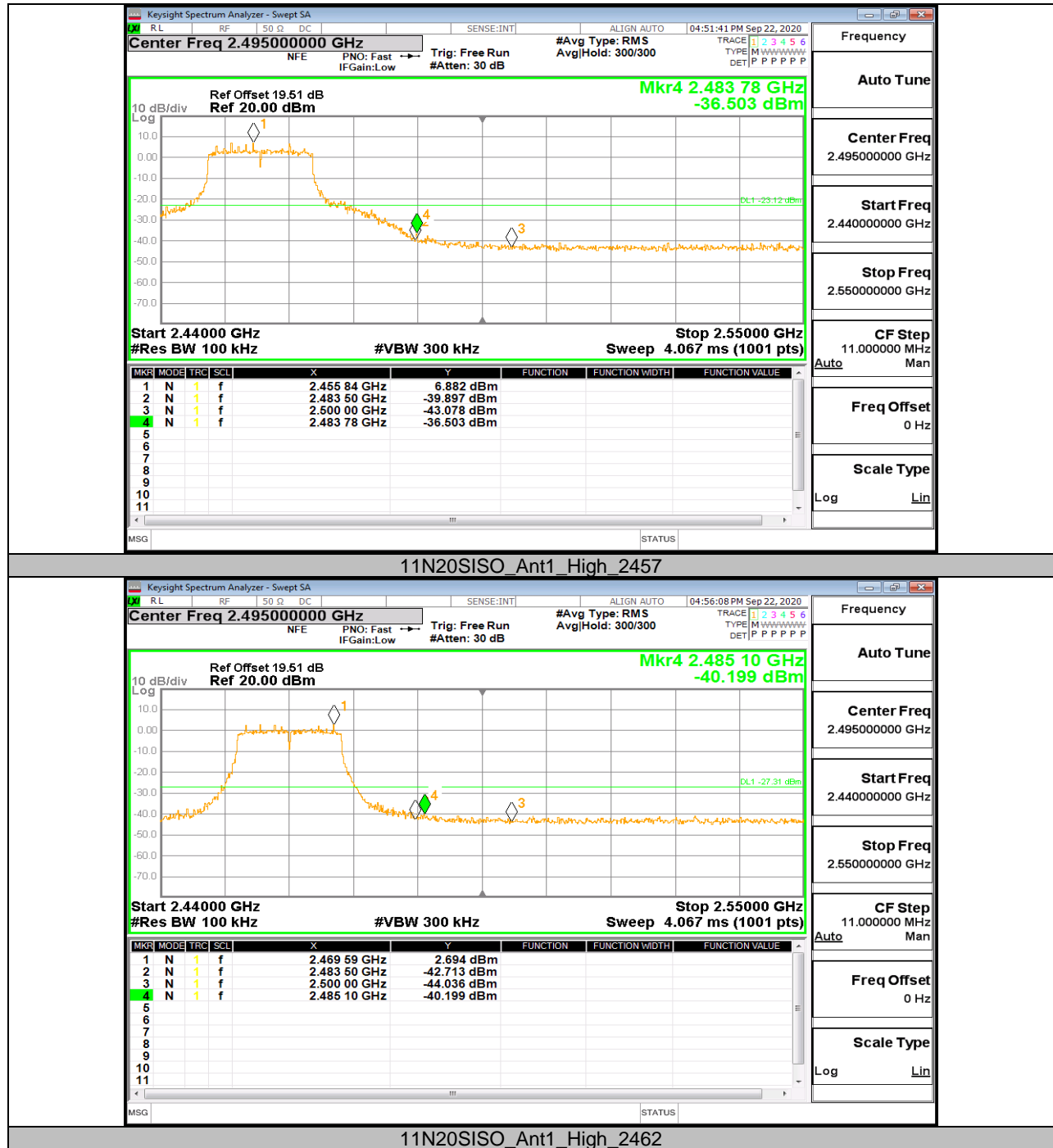














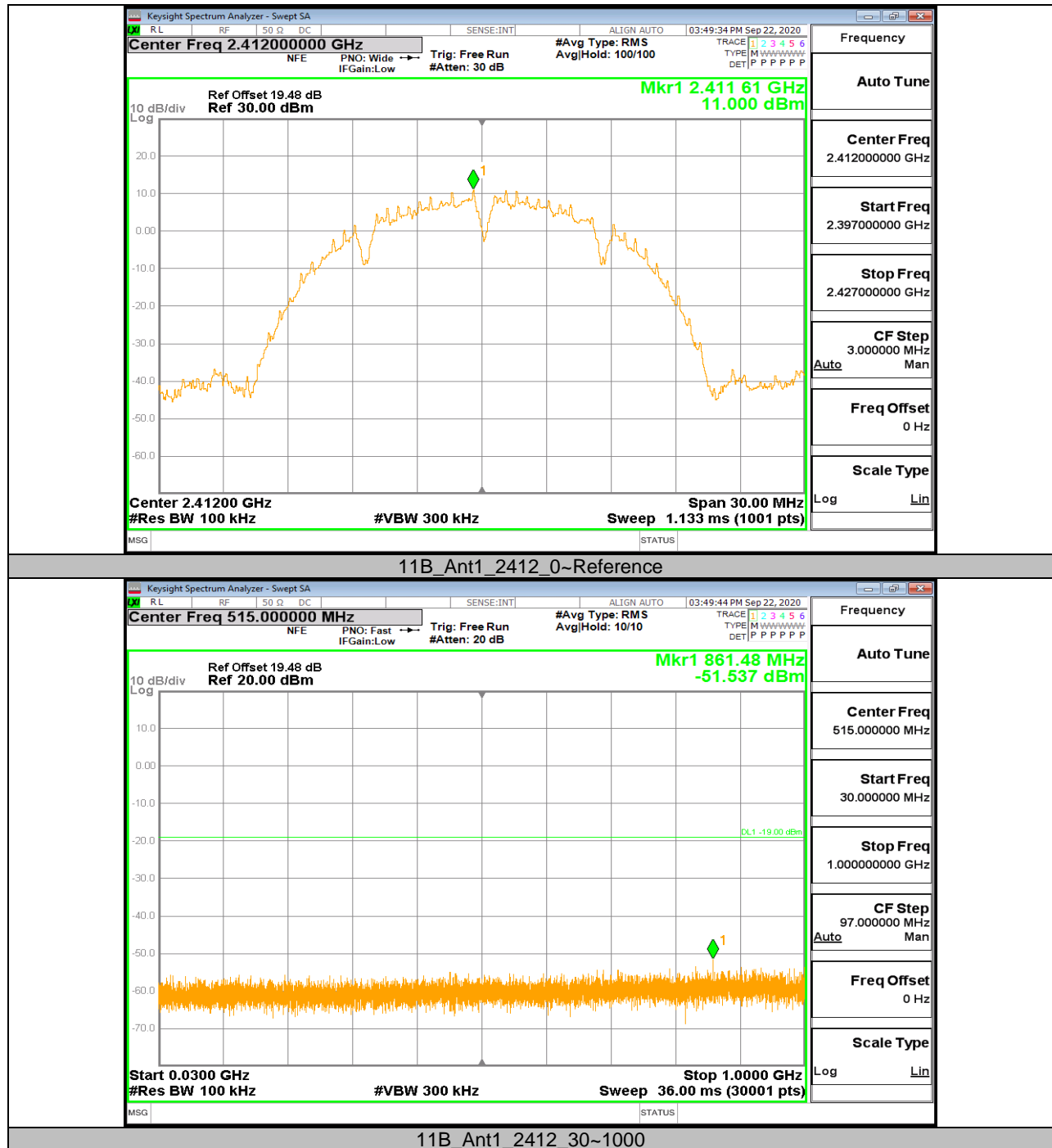
11.6. Appendix F: Conducted Spurious Emission

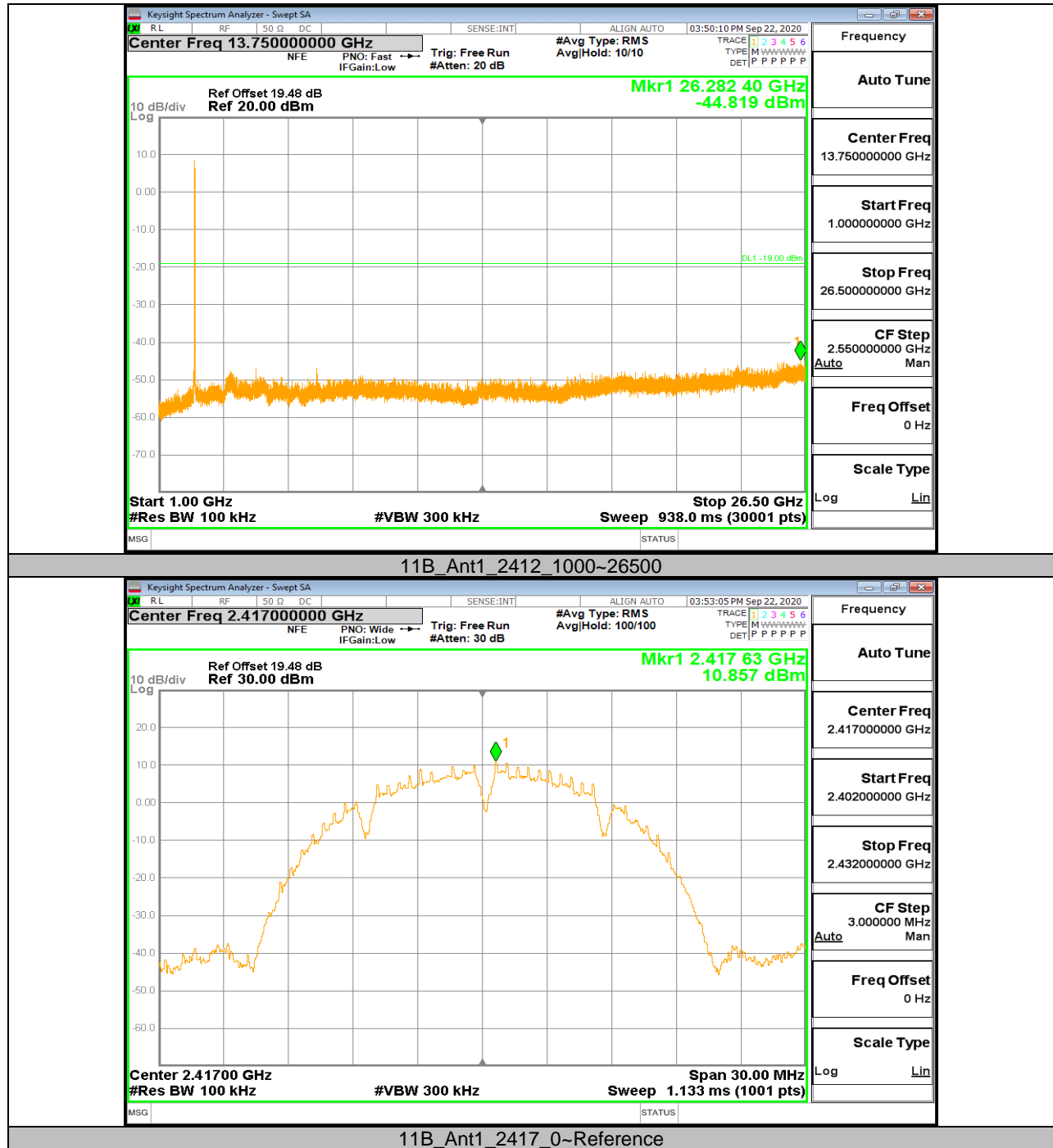
11.6.1. Test Result

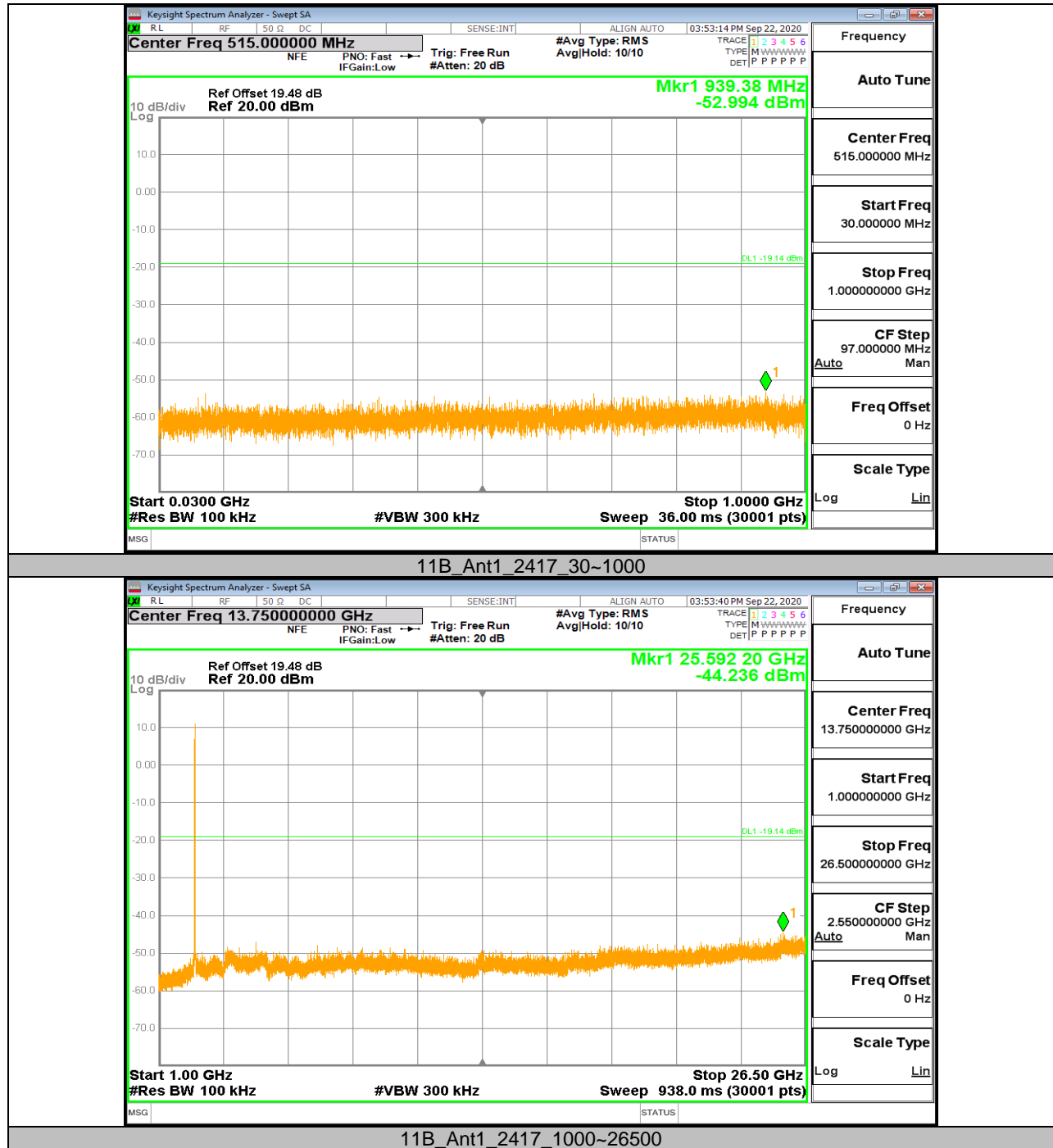
Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	11.00	11.00	---	PASS
			30~1000	30~1000	-51.537	<=-19	PASS
			1000~26500	1000~26500	-44.819	<=-19	PASS
		2417	Reference	10.86	10.86	---	PASS
			30~1000	30~1000	-52.994	<=-19.143	PASS
			1000~26500	1000~26500	-44.236	<=-19.143	PASS
		2437	Reference	10.75	10.75	---	PASS
			30~1000	30~1000	-53.466	<=-19.251	PASS
			1000~26500	1000~26500	-44.087	<=-19.251	PASS
		2457	Reference	10.82	10.82	---	PASS
			30~1000	30~1000	-52.185	<=-19.182	PASS
			1000~26500	1000~26500	-44.407	<=-19.182	PASS
11G	Ant1	2412	Reference	9.73	9.73	---	PASS
			30~1000	30~1000	-52.817	<=-20.271	PASS
			1000~26500	1000~26500	-43.647	<=-20.271	PASS
		2417	Reference	4.50	4.50	---	PASS
			30~1000	30~1000	-52.443	<=-25.498	PASS
			1000~26500	1000~26500	-43.988	<=-25.498	PASS
		2437	Reference	6.29	6.29	---	PASS
			30~1000	30~1000	-52.367	<=-23.707	PASS
			1000~26500	1000~26500	-45.008	<=-23.707	PASS
		2457	Reference	8.08	8.08	---	PASS
			30~1000	30~1000	-53.726	<=-21.923	PASS
			1000~26500	1000~26500	-43.877	<=-21.923	PASS
11N20SISO	Ant1	2412	Reference	7.42	7.42	---	PASS
			30~1000	30~1000	-53.772	<=-22.577	PASS
			1000~26500	1000~26500	-44.572	<=-22.577	PASS
		2417	Reference	3.92	3.92	---	PASS
			30~1000	30~1000	-53.255	<=-26.076	PASS
			1000~26500	1000~26500	-43.6	<=-26.076	PASS
		2437	Reference	3.65	3.65	---	PASS
			30~1000	30~1000	-53.483	<=-26.349	PASS
			1000~26500	1000~26500	-44.697	<=-26.349	PASS
		2457	Reference	6.67	6.67	---	PASS
			30~1000	30~1000	-52.805	<=-23.327	PASS
			1000~26500	1000~26500	-44.54	<=-23.327	PASS
11N20SISO	Ant1	2412	Reference	8.05	8.05	---	PASS
			30~1000	30~1000	-53.221	<=-21.946	PASS
			1000~26500	1000~26500	-44.402	<=-21.946	PASS
		2417	Reference	6.11	6.11	---	PASS
			30~1000	30~1000	-53.443	<=-23.889	PASS
			1000~26500	1000~26500	-44.591	<=-23.889	PASS
		2437	Reference	3.24	3.24	---	PASS
			30~1000	30~1000	-53.123	<=-26.761	PASS
			1000~26500	1000~26500	-43.91	<=-26.761	PASS
		2457	Reference	3.65	3.65	---	PASS
			30~1000	30~1000	-53.483	<=-26.349	PASS
			1000~26500	1000~26500	-44.697	<=-26.349	PASS

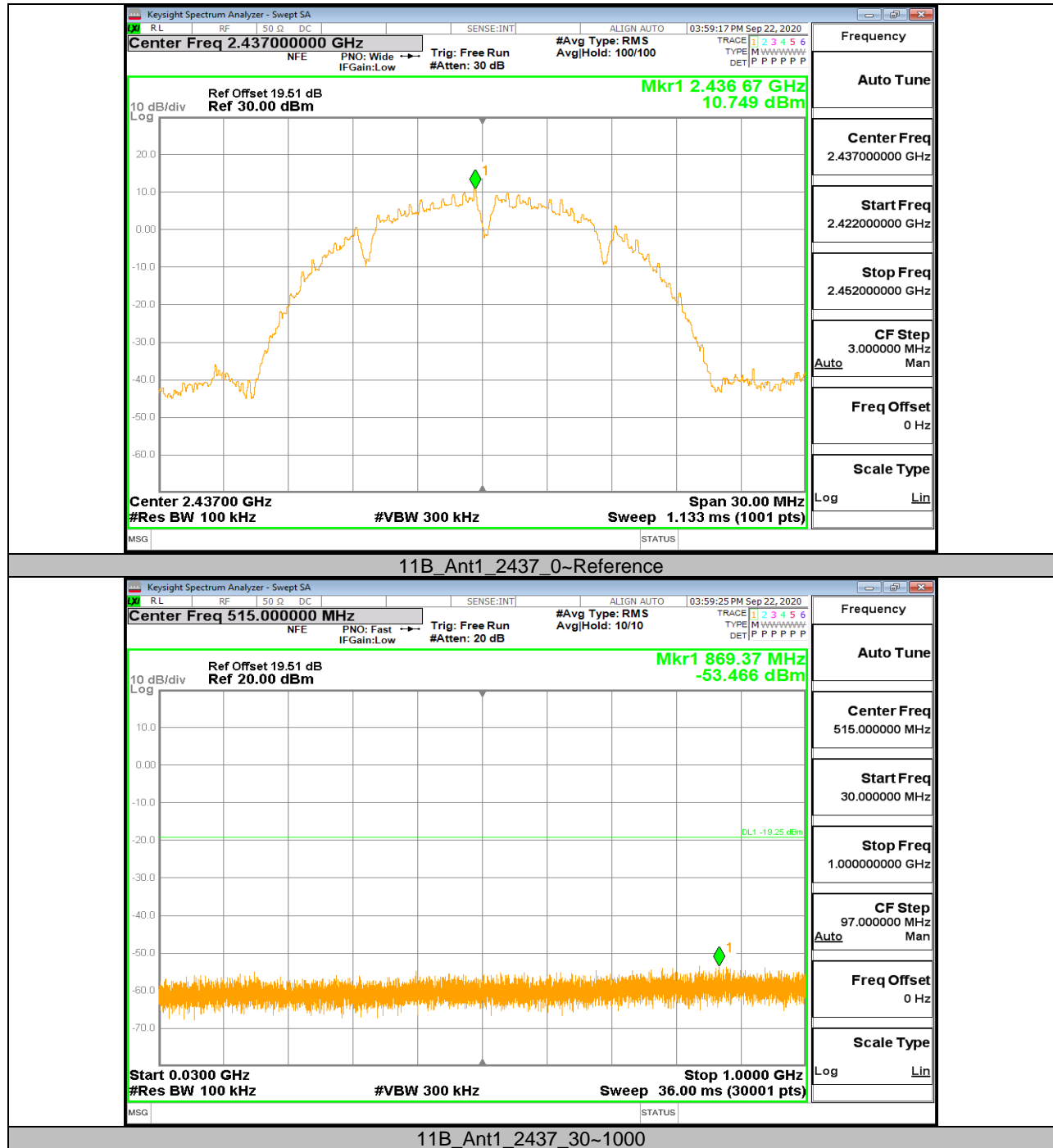


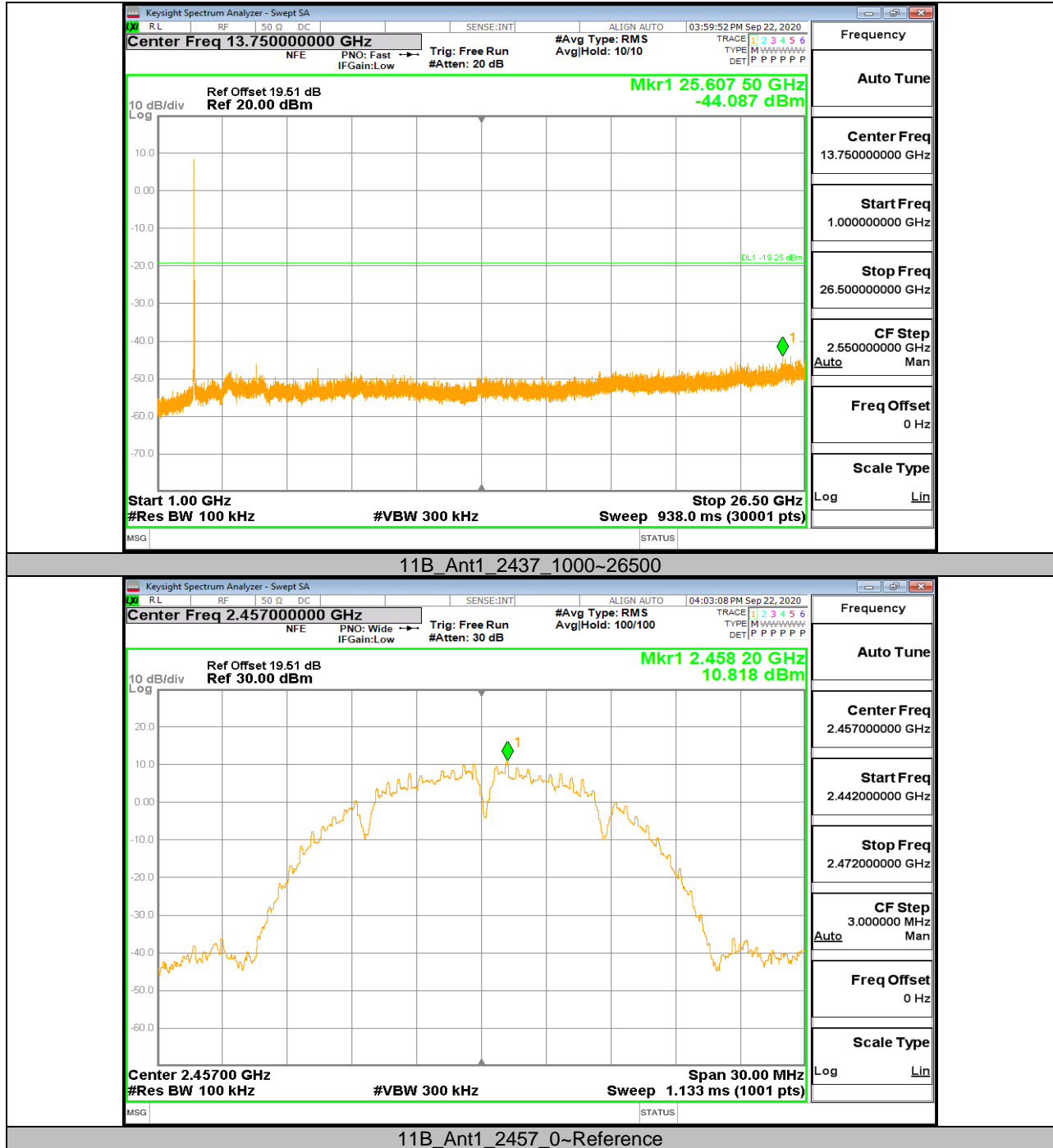
11.6.2. Test Graphs

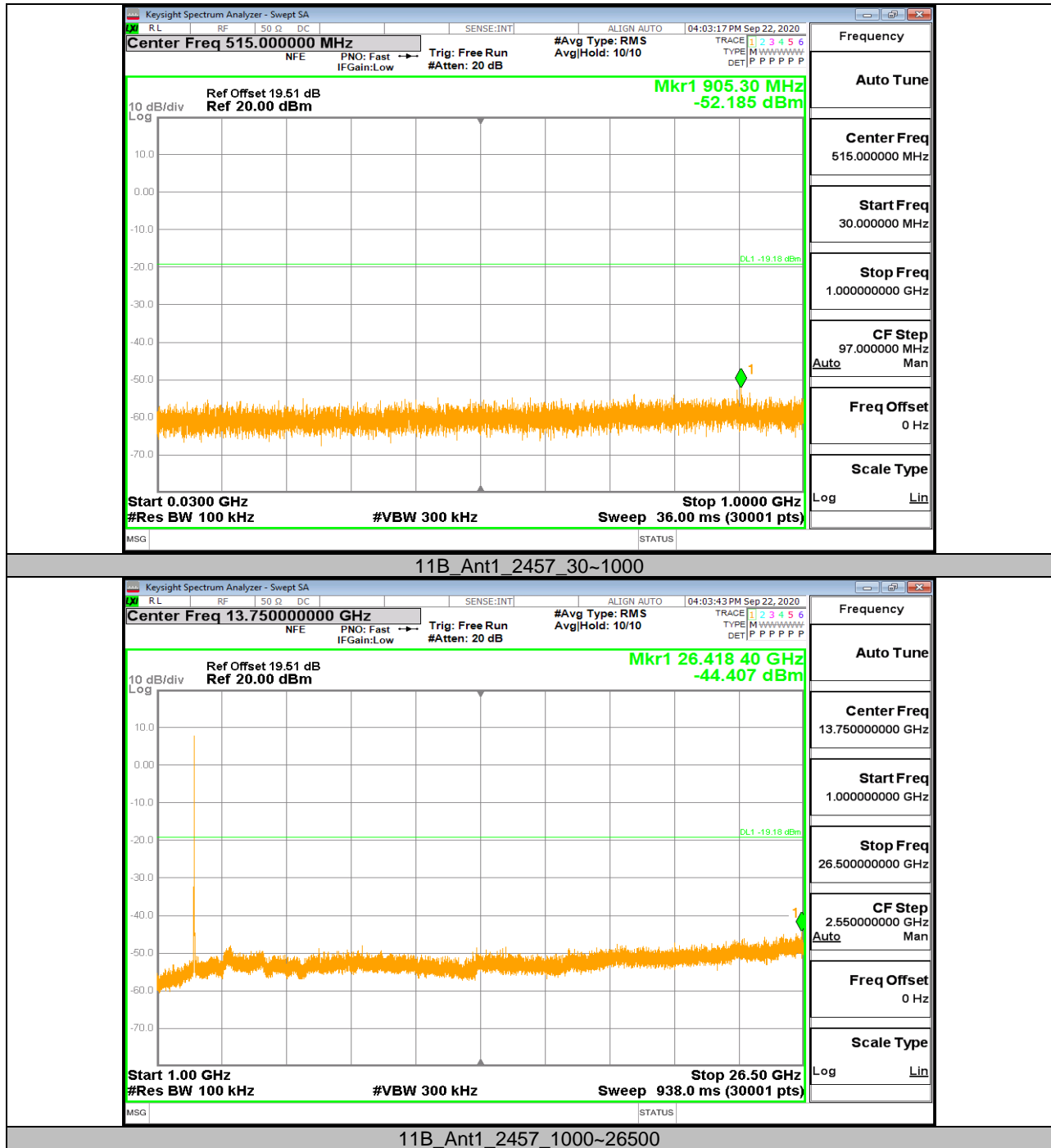


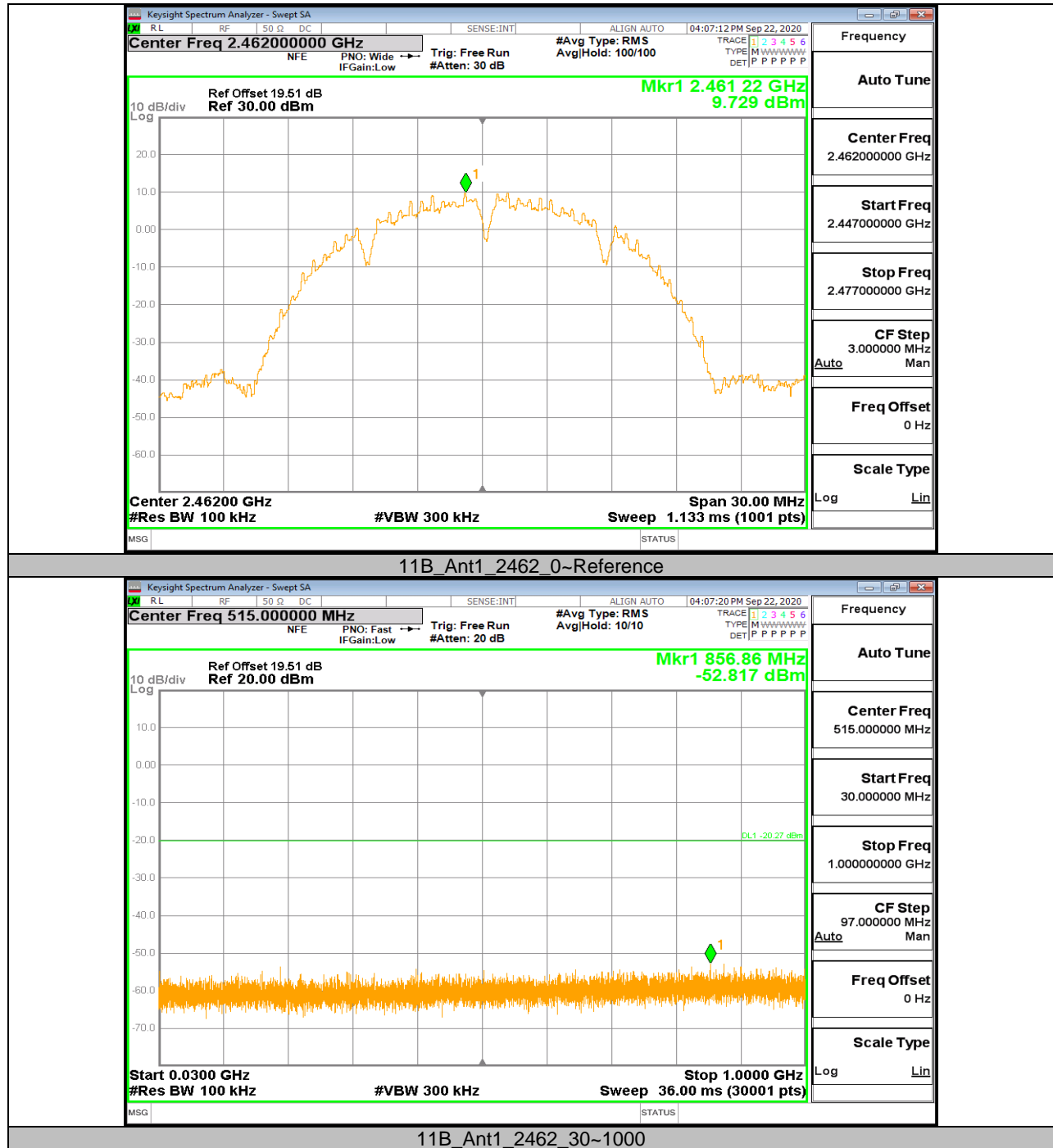


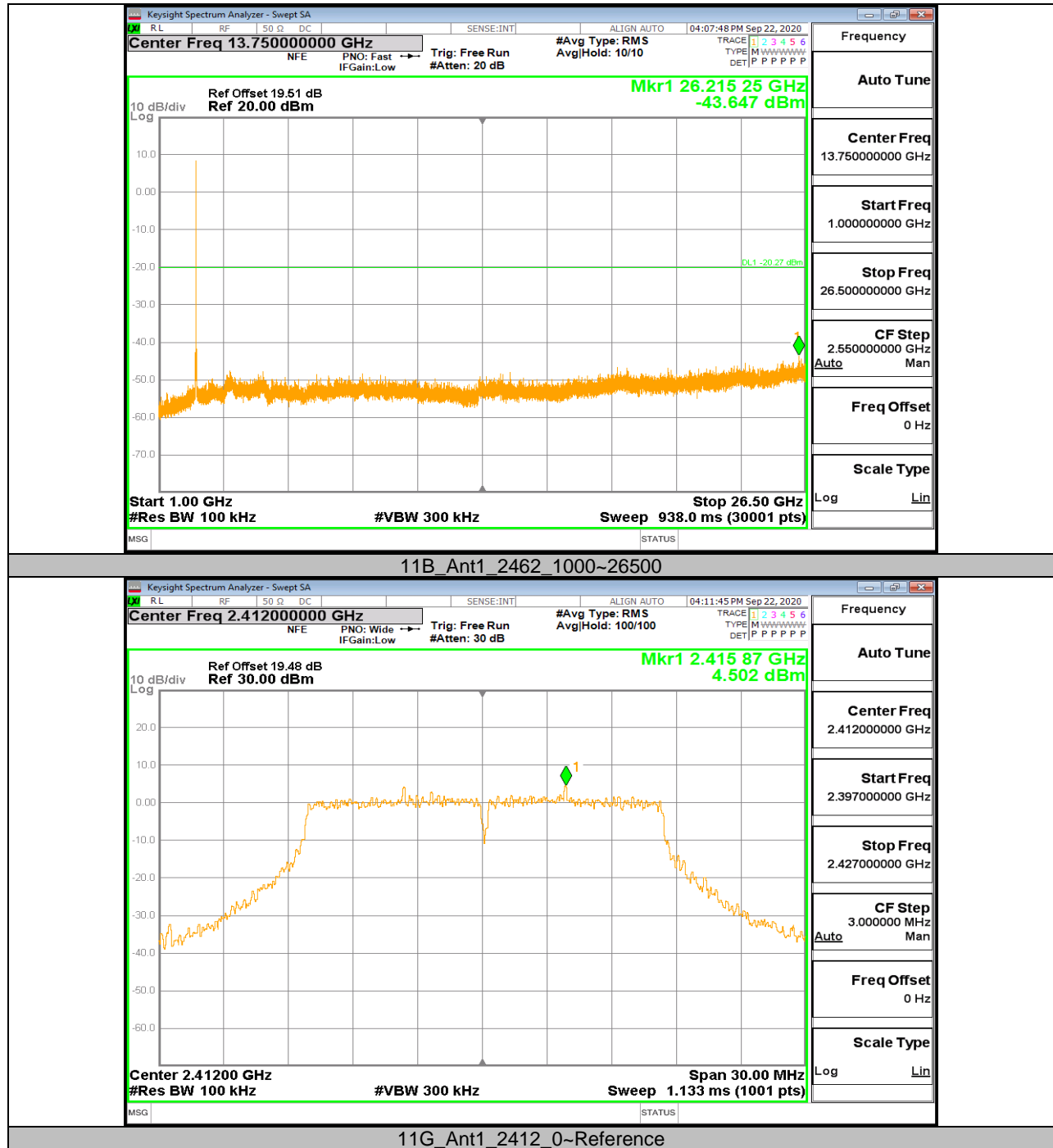


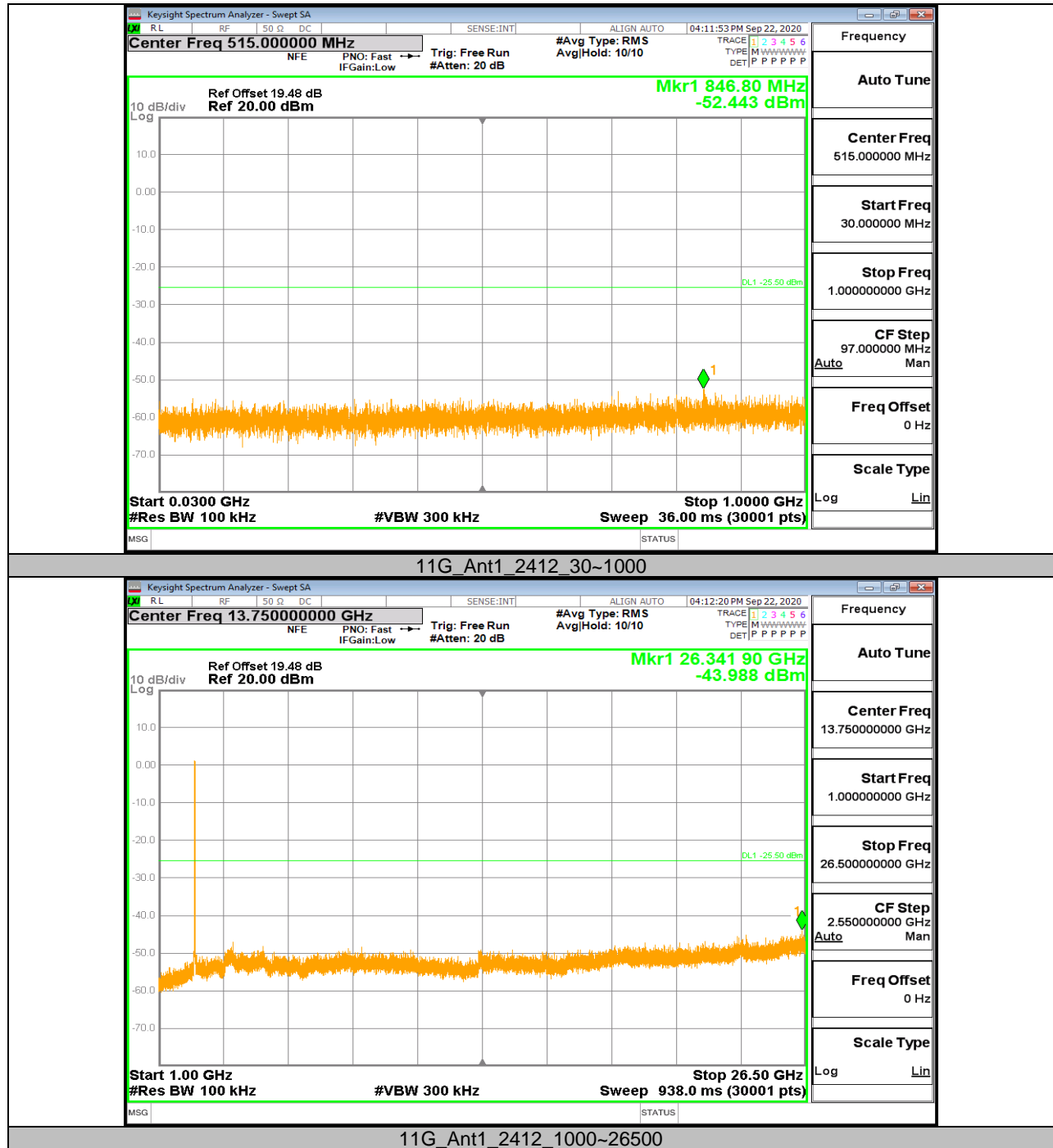


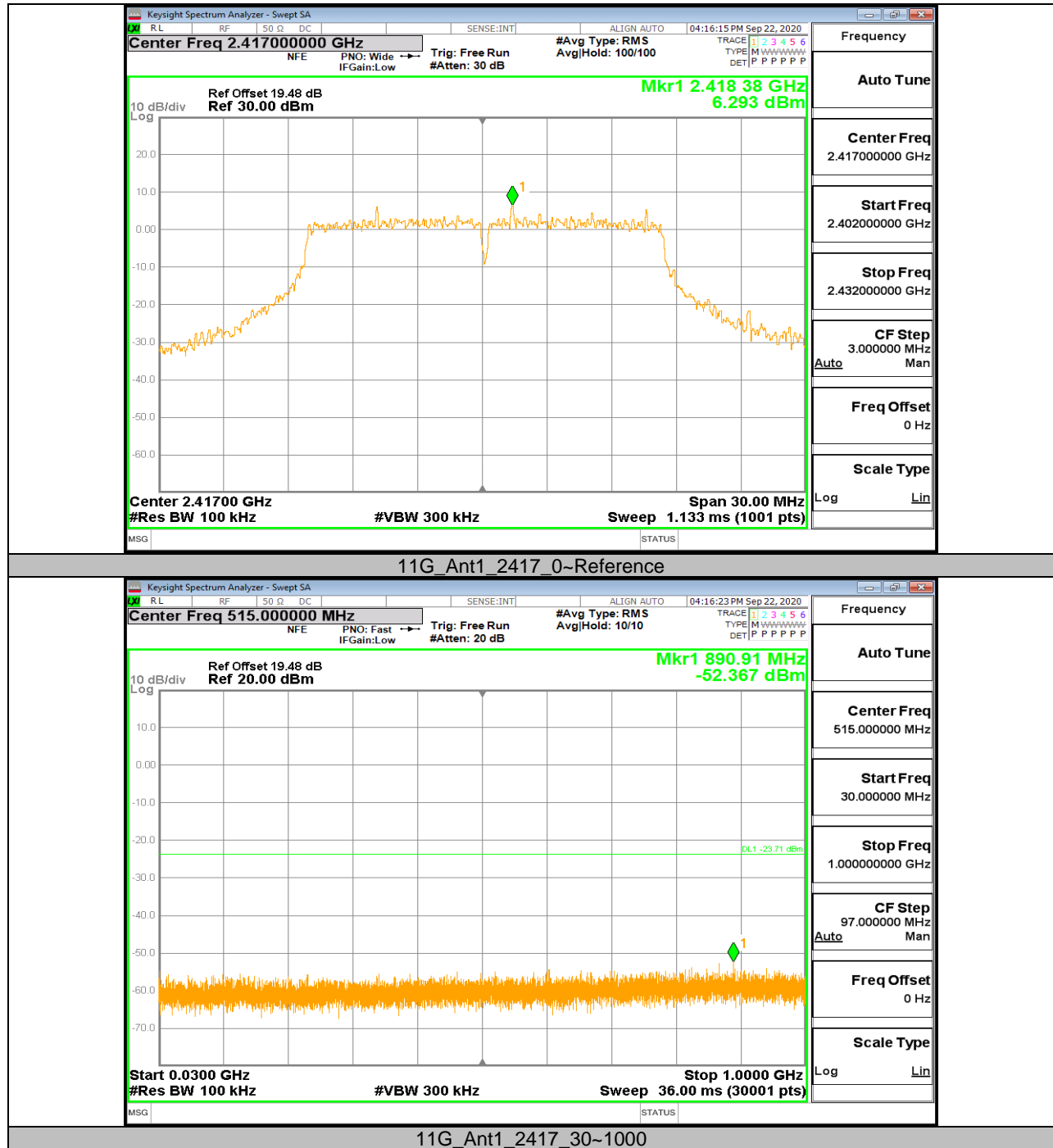


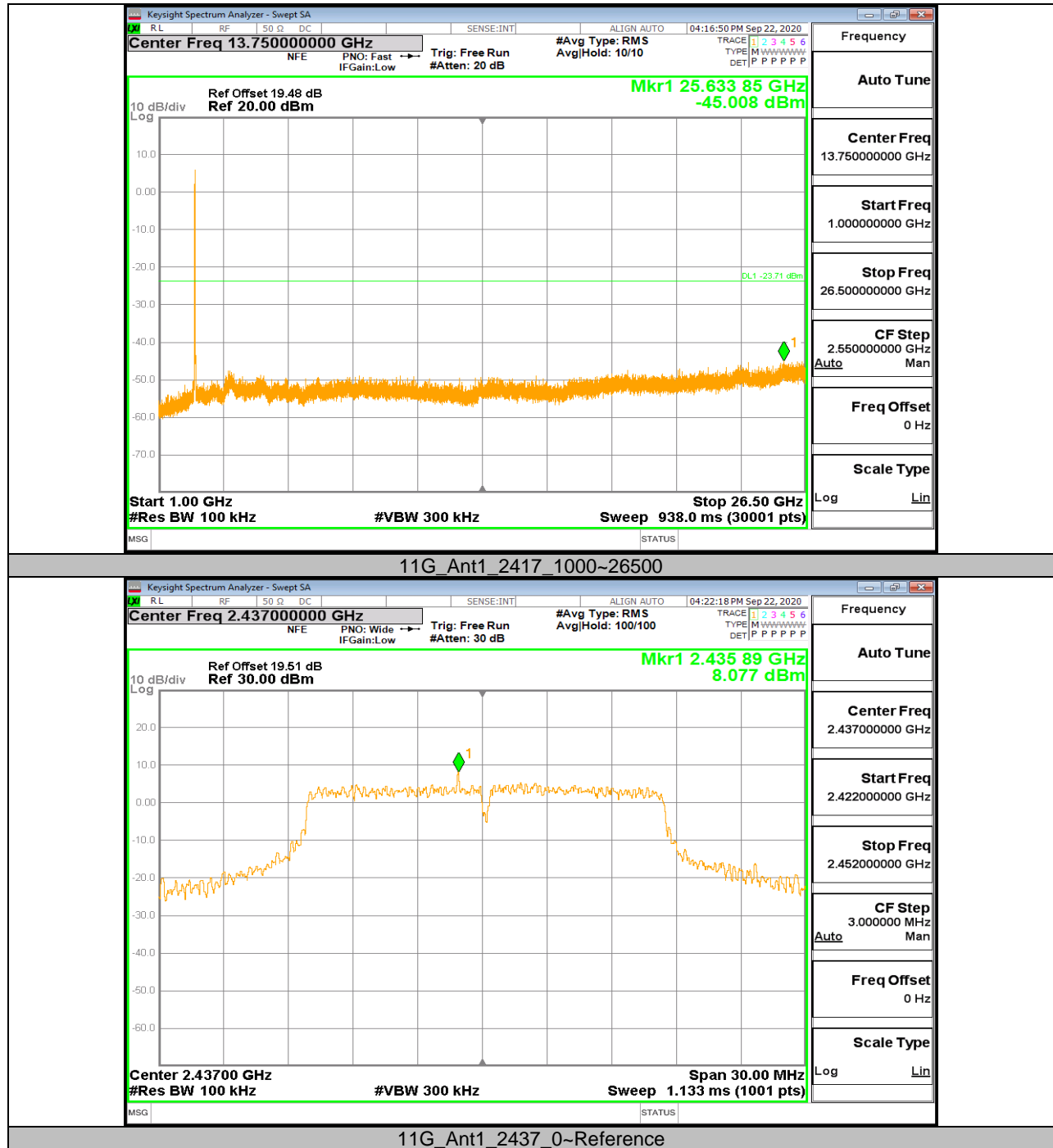


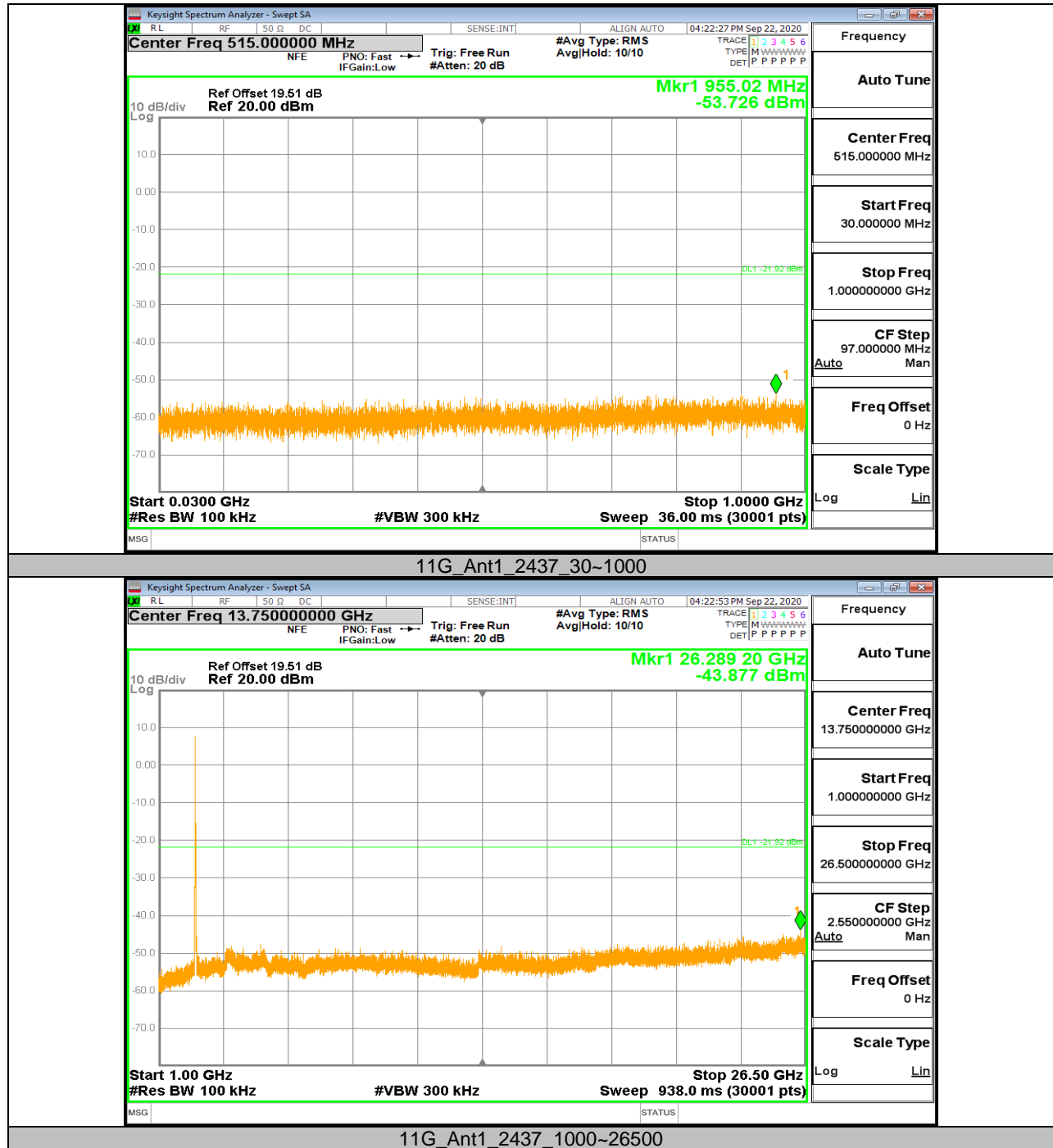


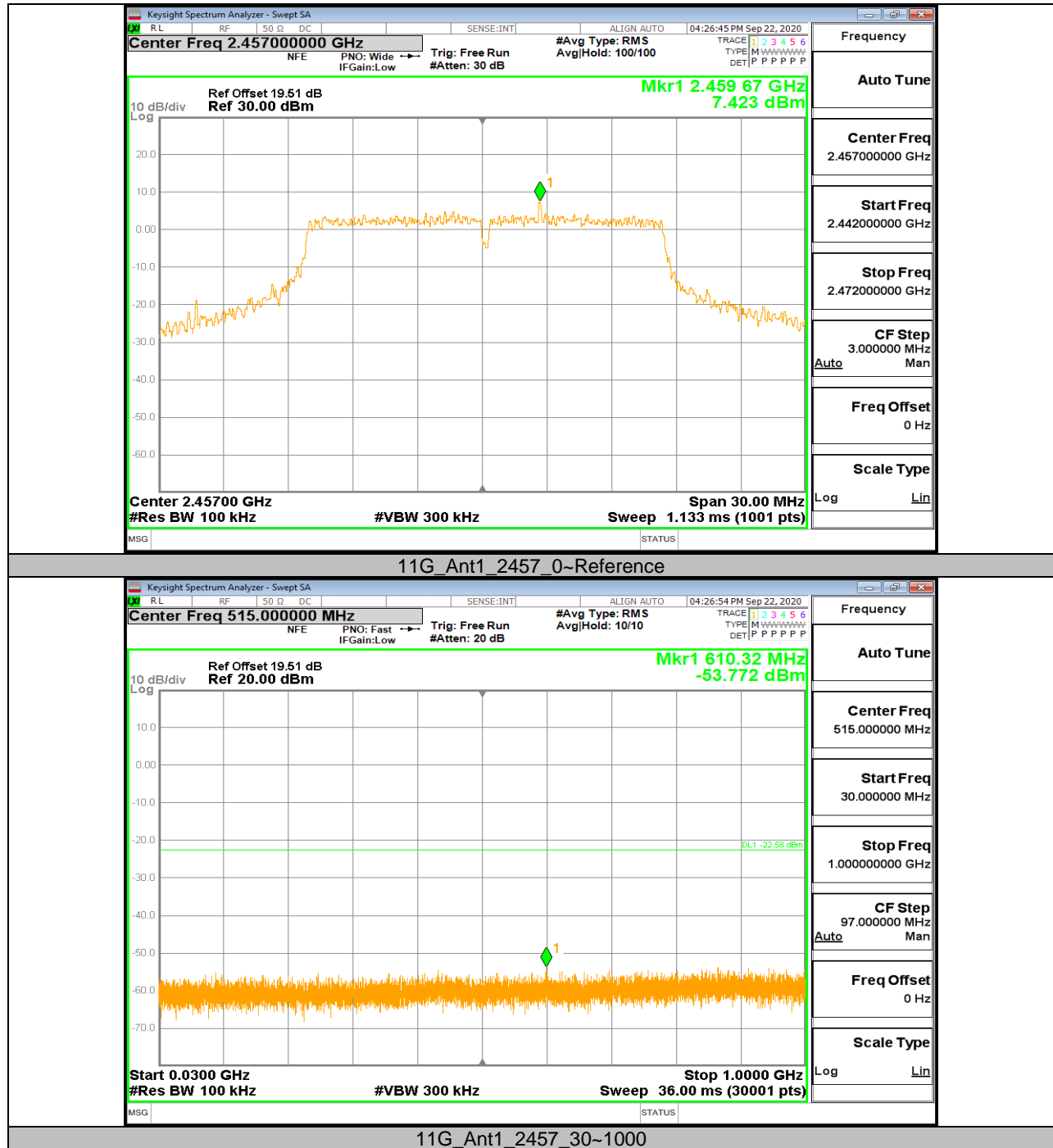


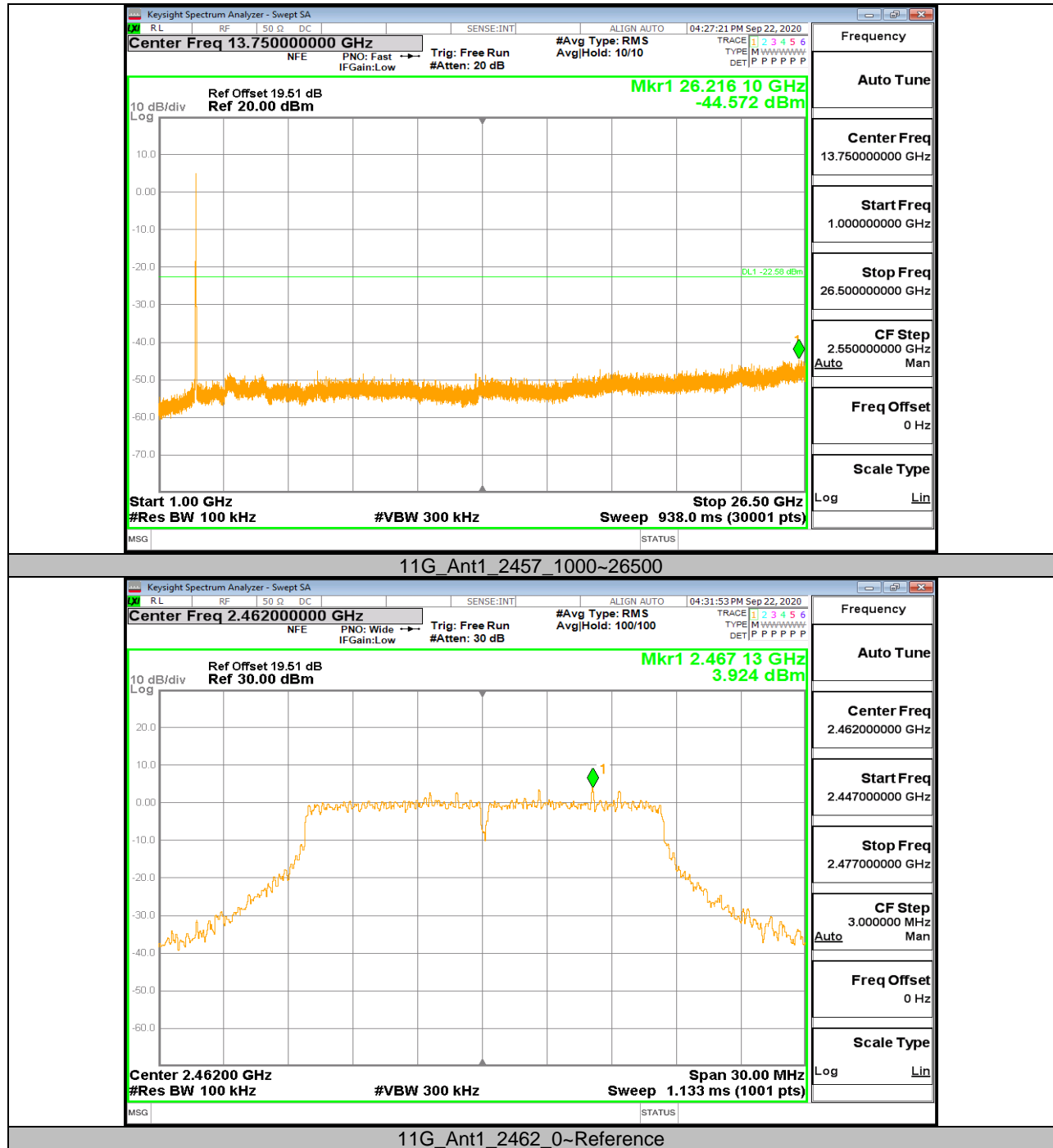


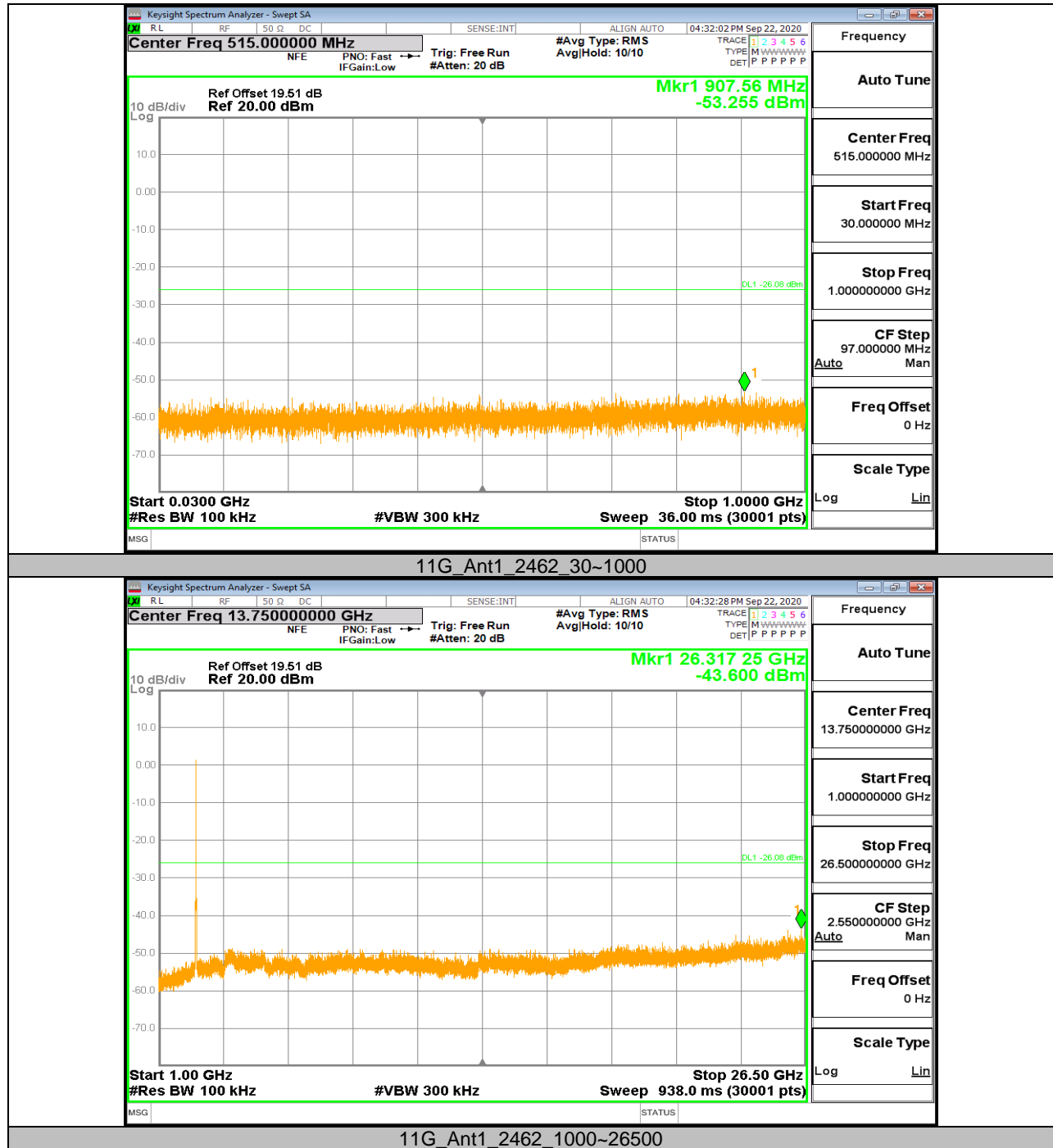


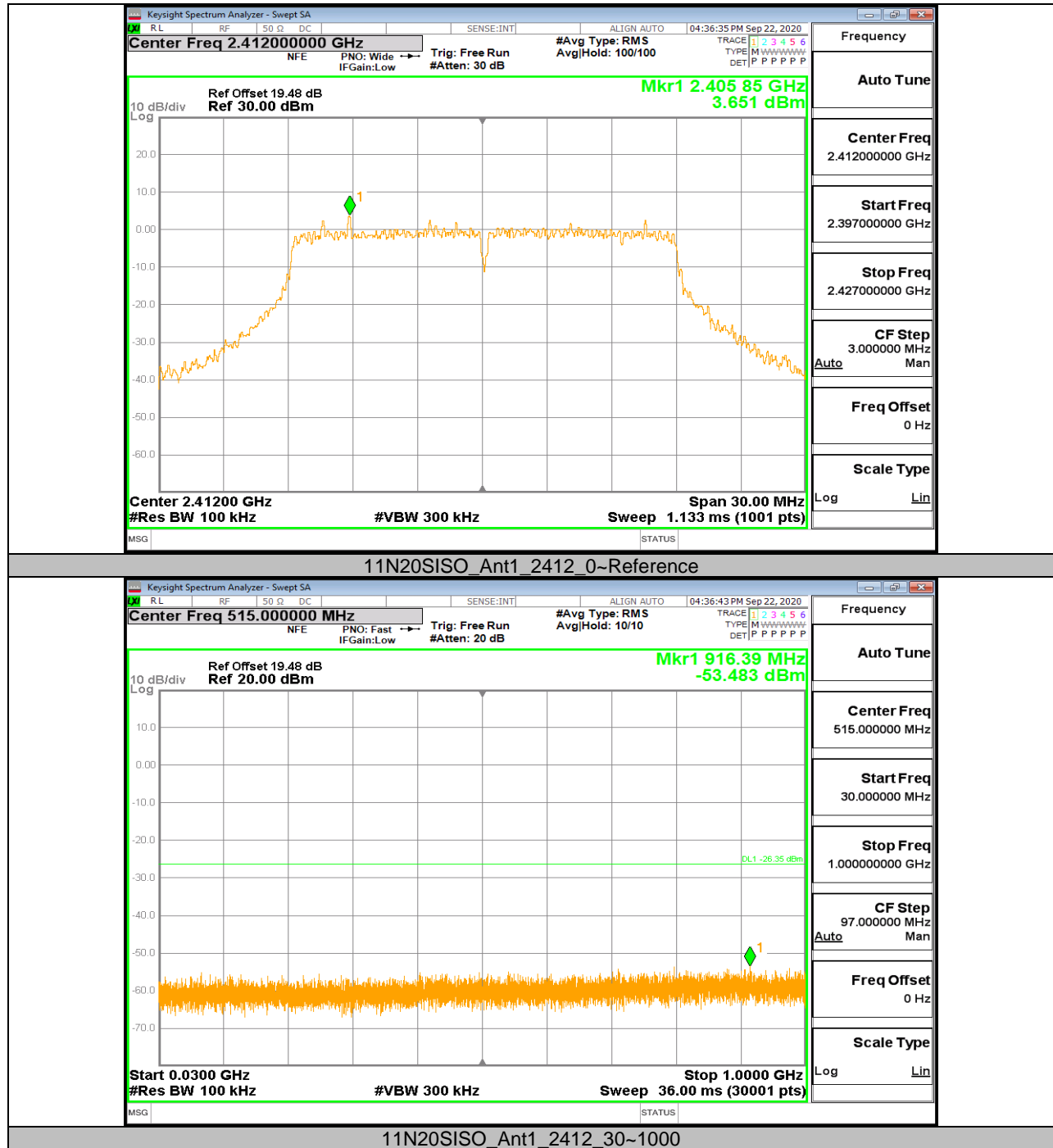


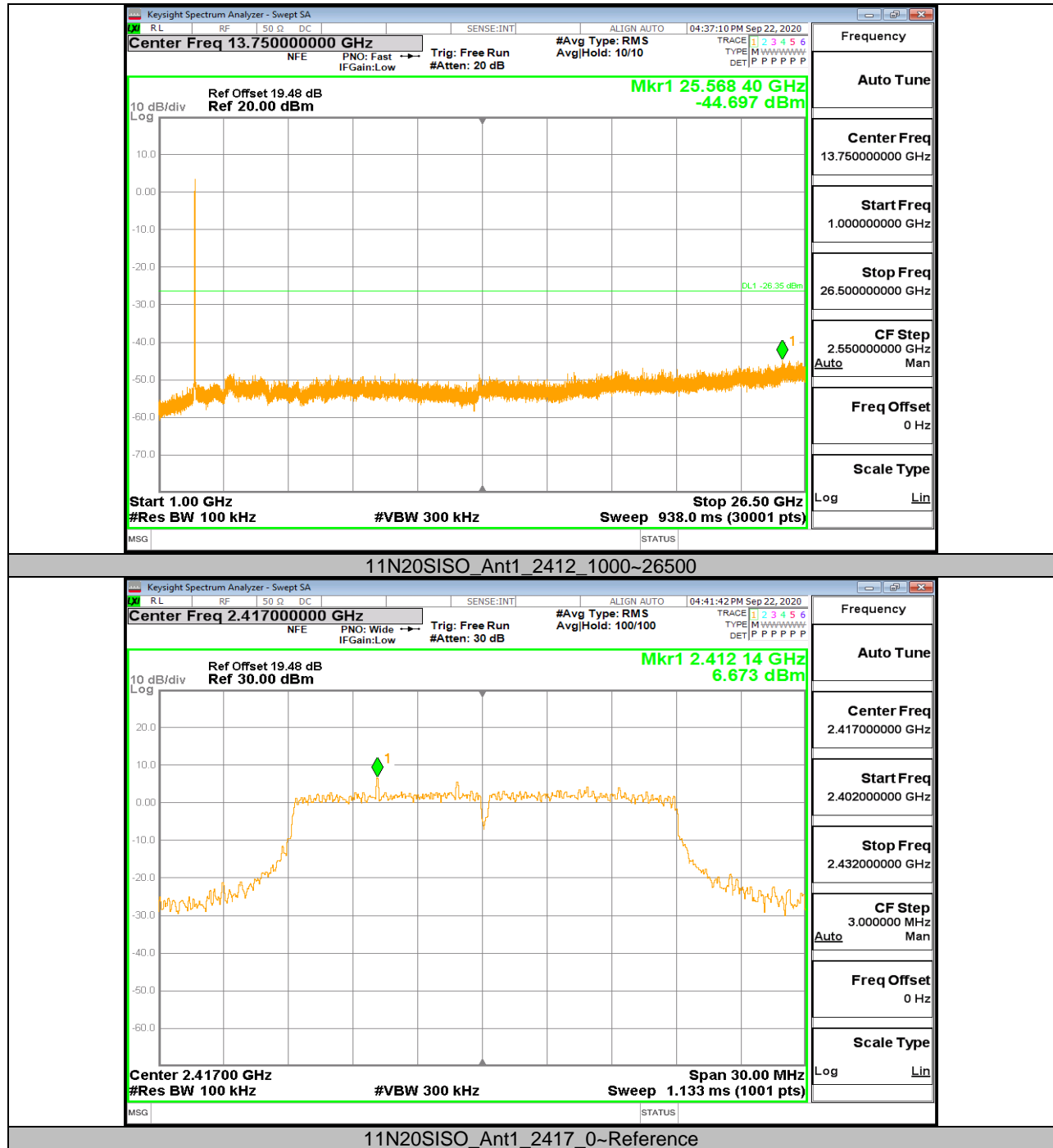


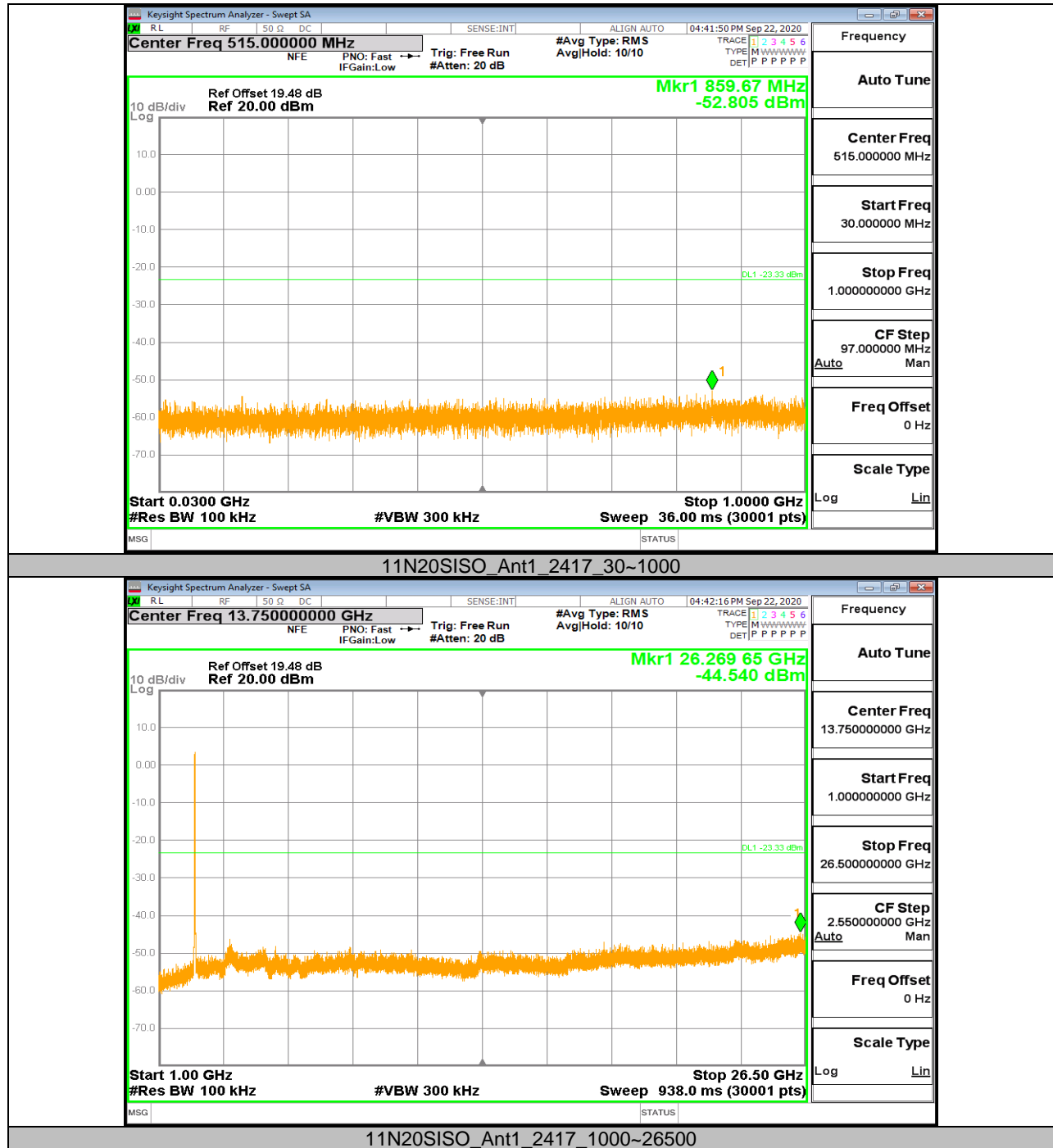


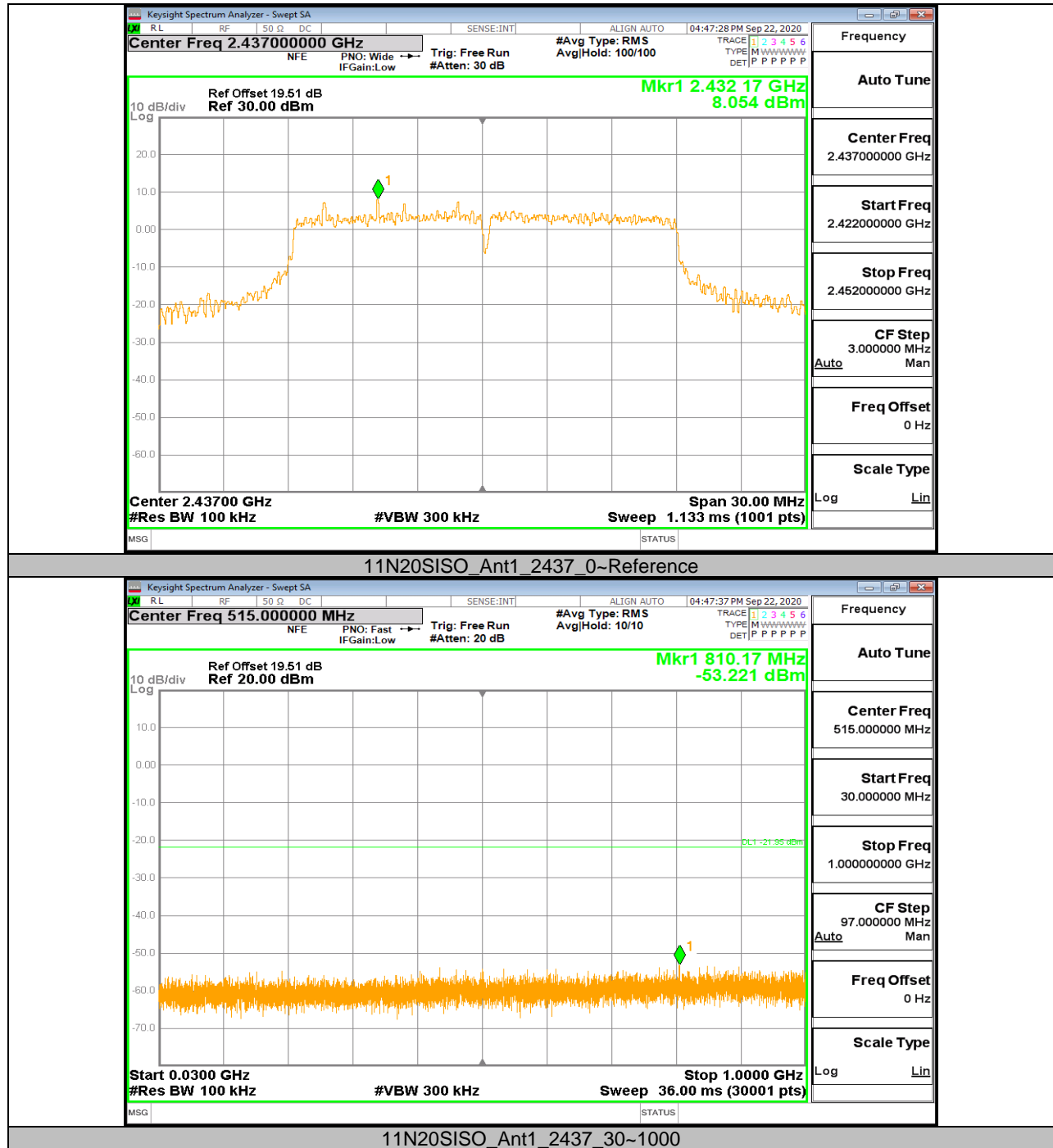


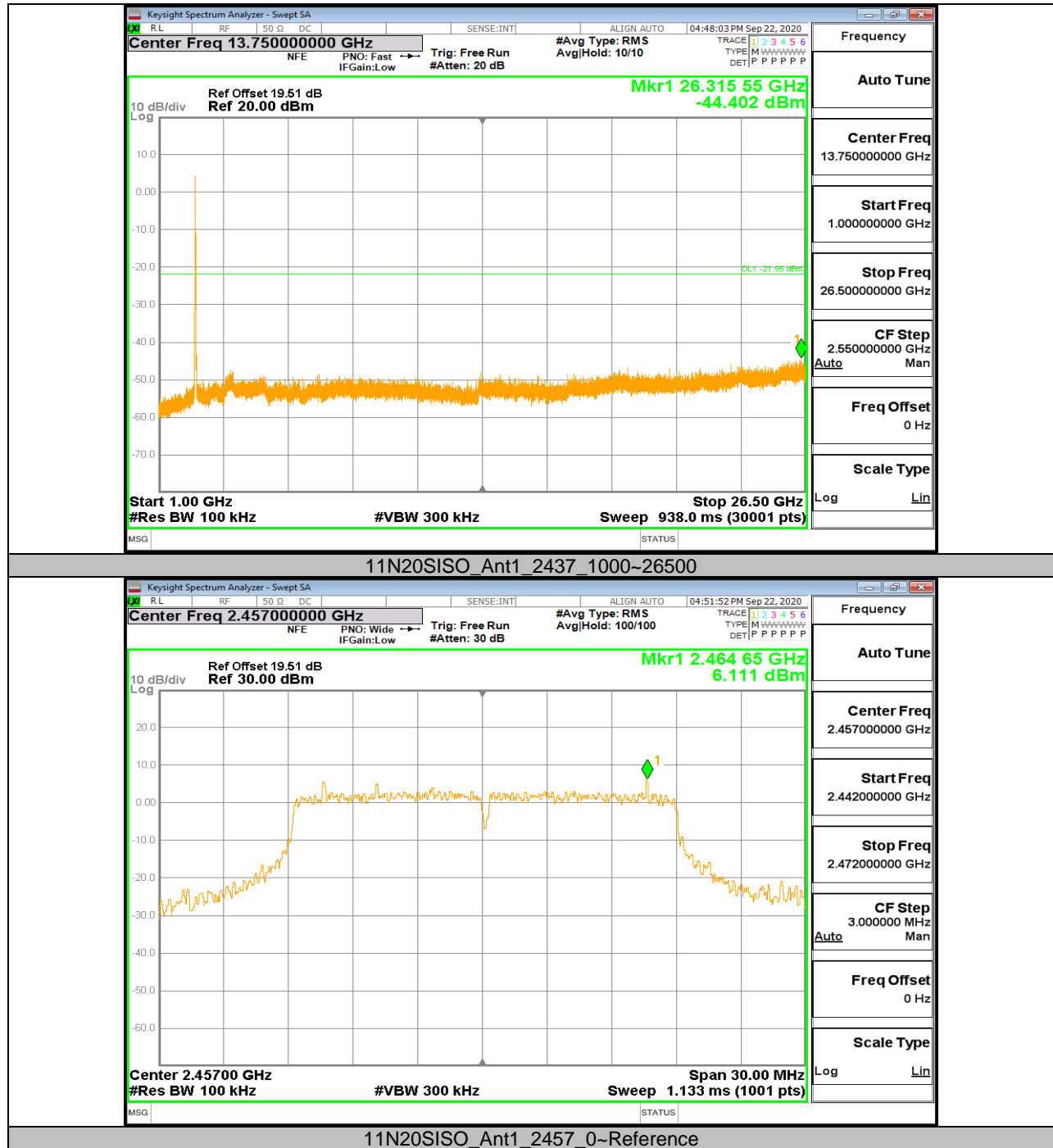


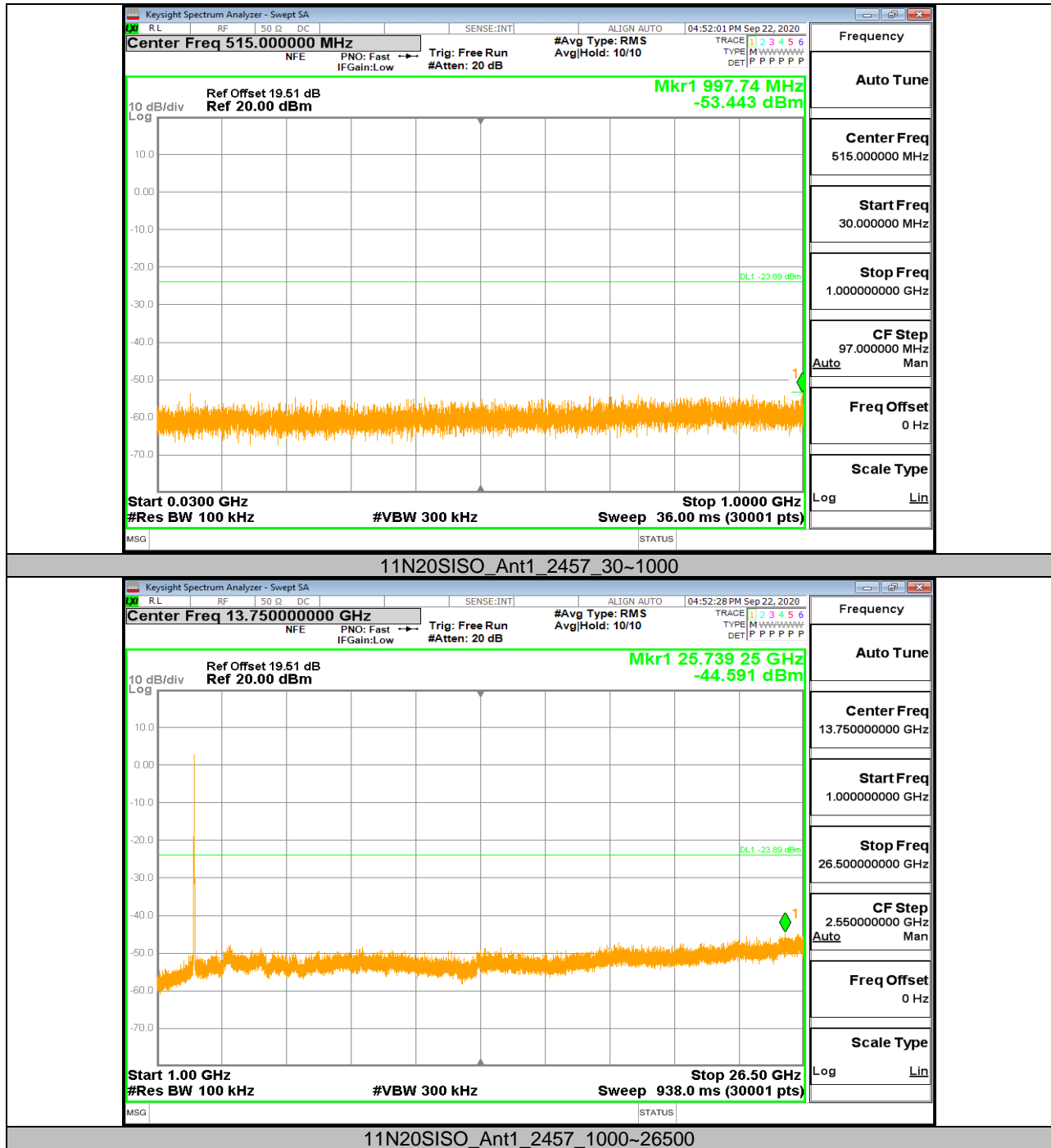


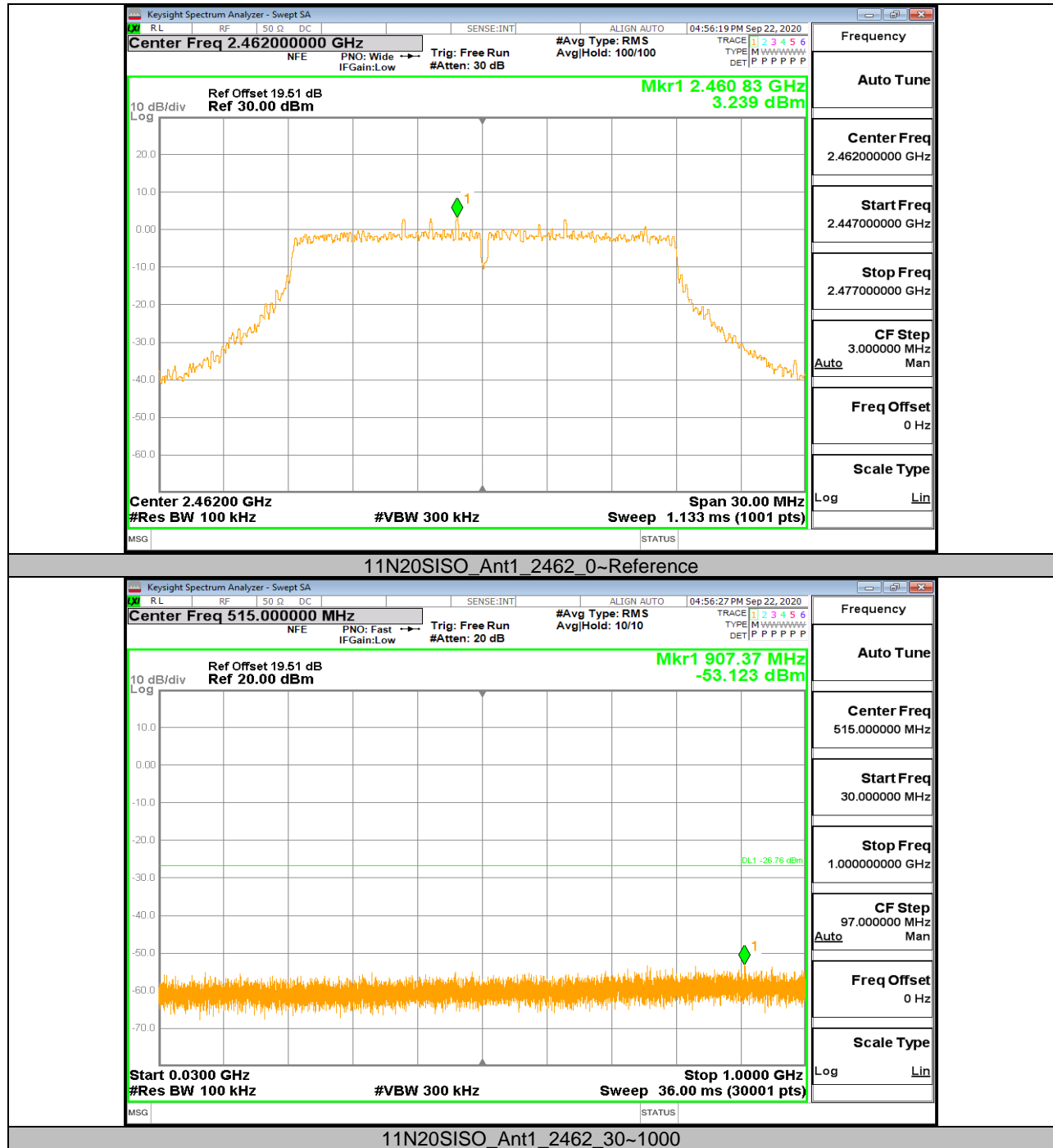


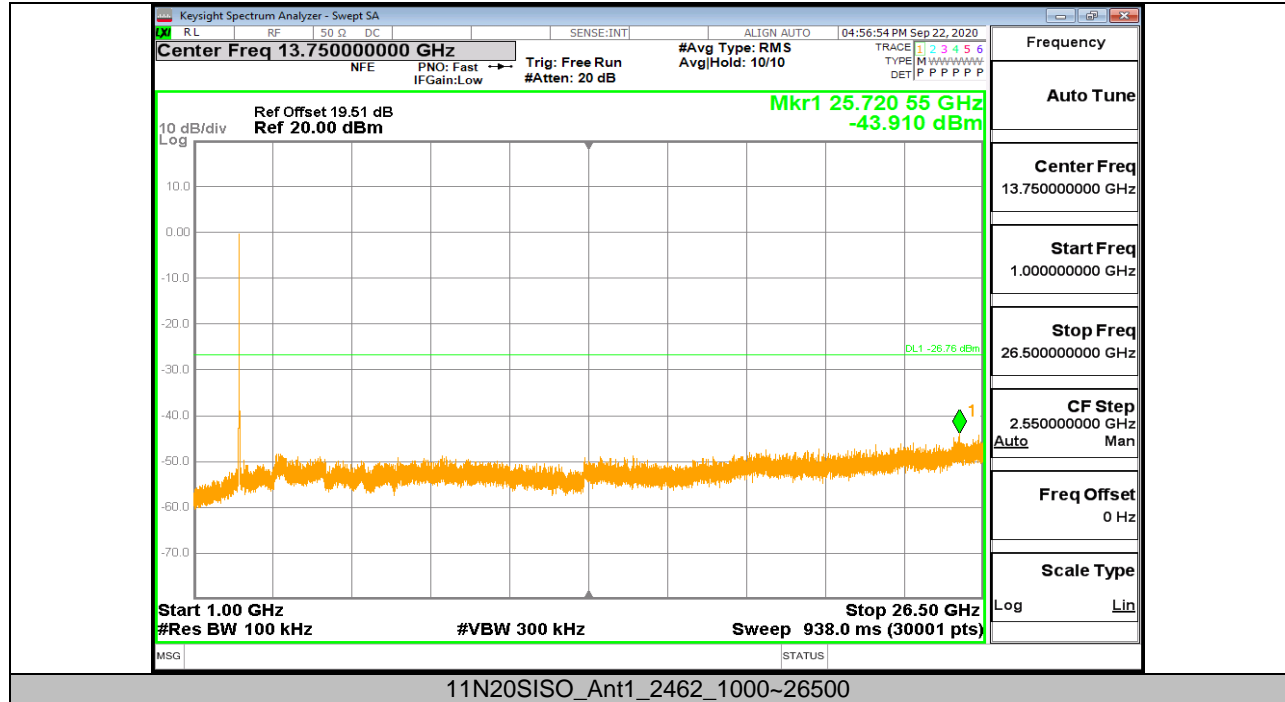














11.7. Appendix G: Duty Cycle

11.7.1. Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	12.41	12.55	0.9888	98.88	0.05	0.08	0.01
11G	2.062	2.194	0.9398	93.98	0.23	0.48	1
11N20SISO	1.918	2.049	0.9361	93.61	0.29	0.52	1

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

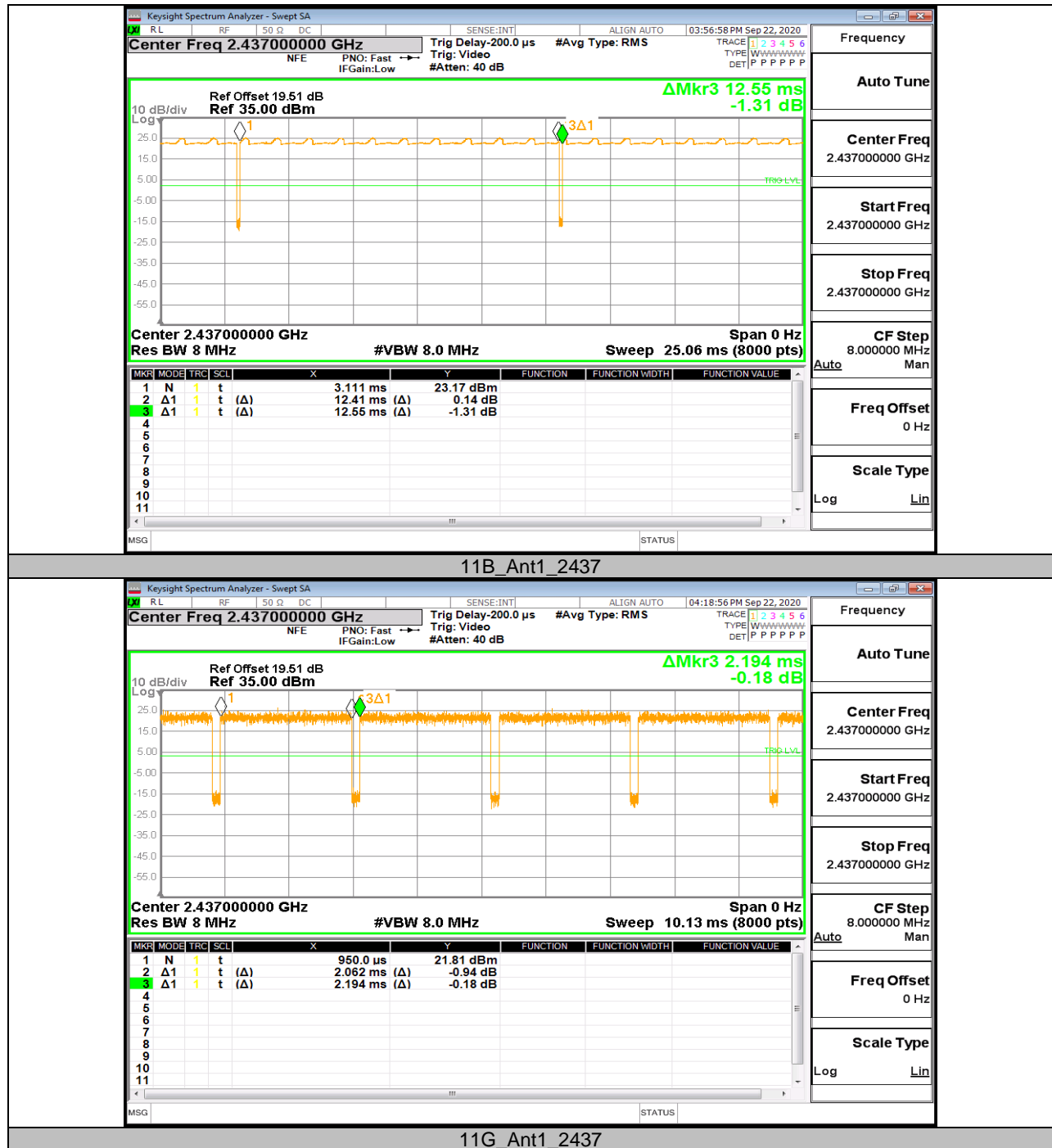
Where: x is Duty Cycle (Linear)

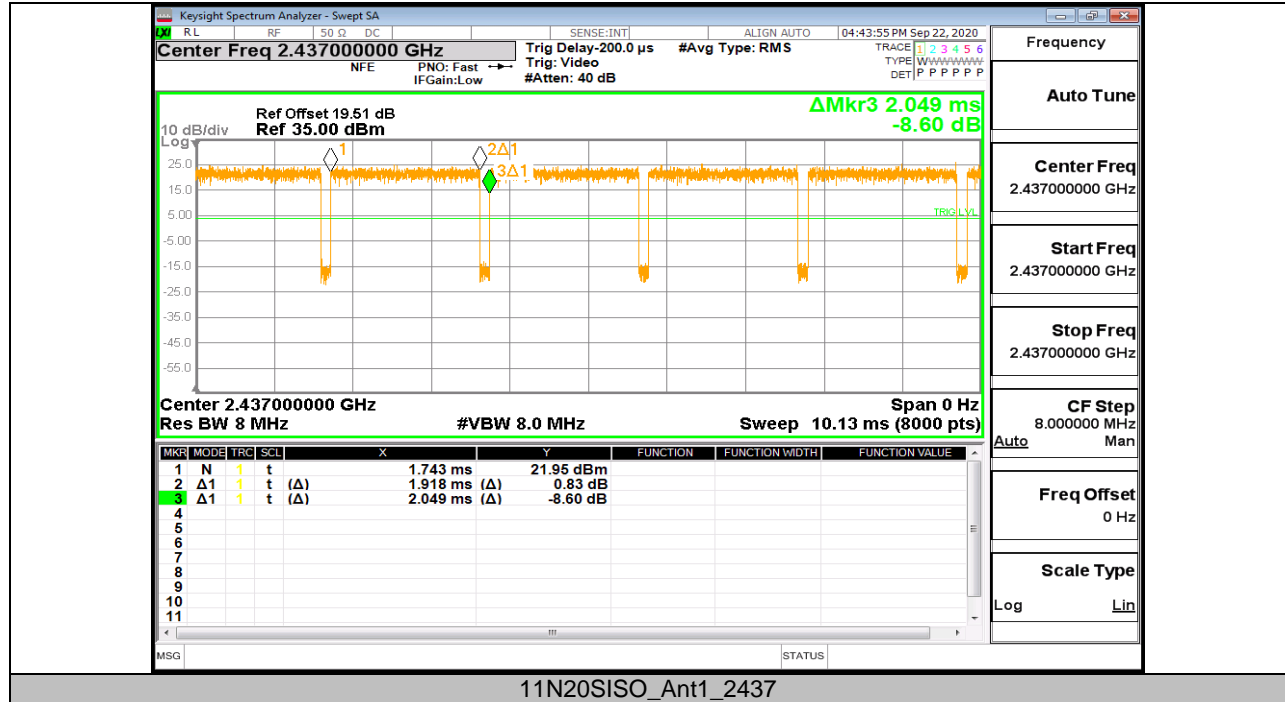
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.7.2. Test Graphs





END OF REPORT