

Appendix: 2.4G WIFI

Contents

Appendix A: DTS Bandwidth..... 3

 Test Result.....3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth..... 10

 Test Result.....10

 Test Graphs.....11

Appendix C: Maximum conducted output power..... 17

 Test Result Peak..... 17

Appendix D: Maximum power spectral density..... 18

 Test Result.....18

 Test Graphs.....19

Appendix E: Band edge measurements..... 25

 Test Result.....25

 Test Graphs.....26

Appendix F: Conducted Spurious Emission..... 30

 Test Result.....30

 Test Graphs.....32

Appendix G: Duty Cycle.....50

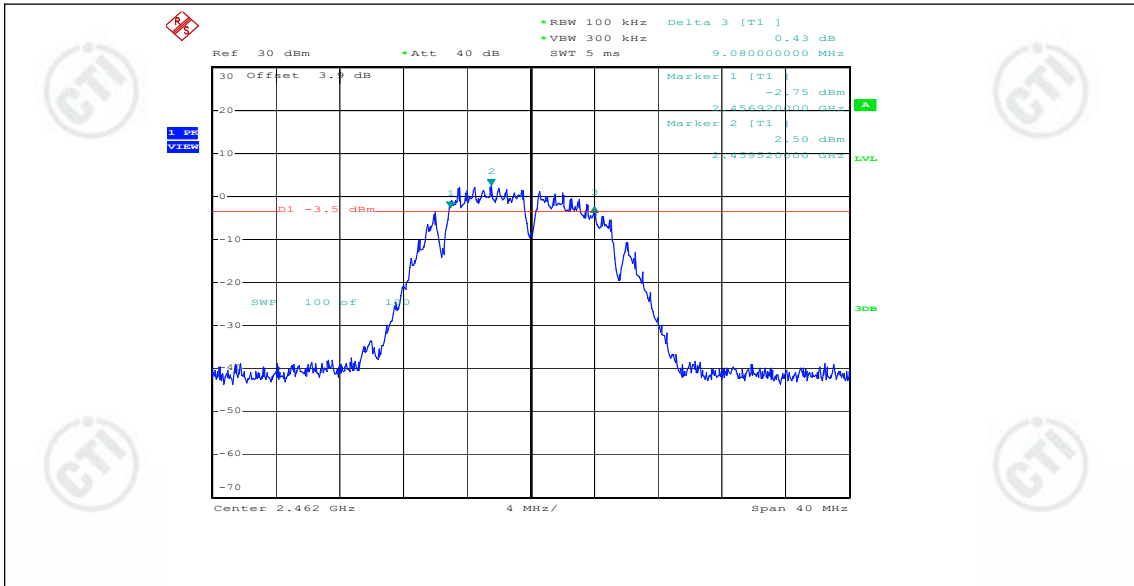
 Test Result.....50

 Test Graphs.....51

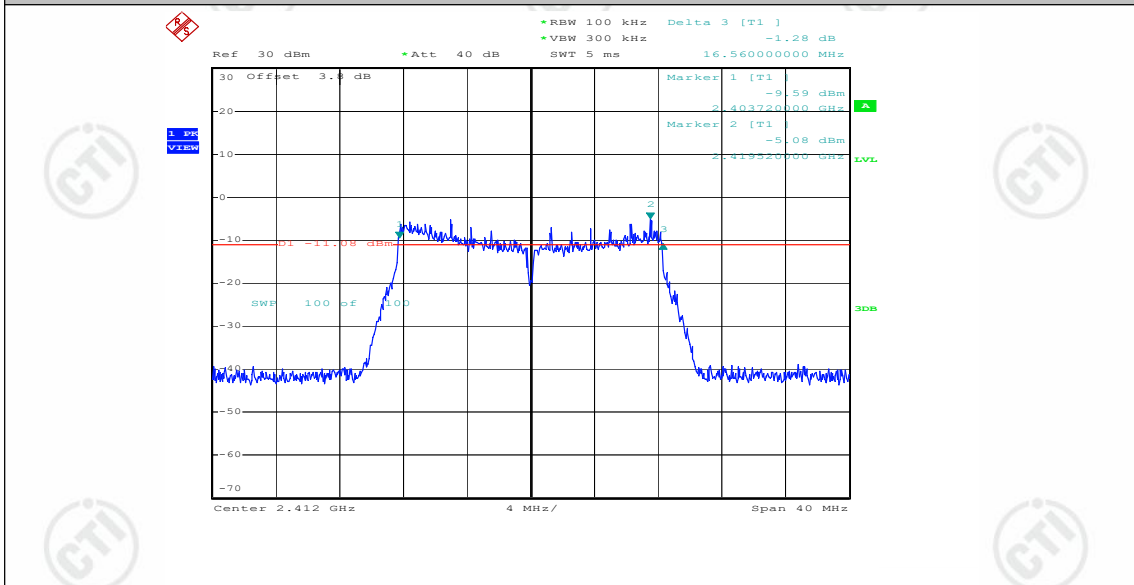
Appendix A: DTS Bandwidth

Test Result

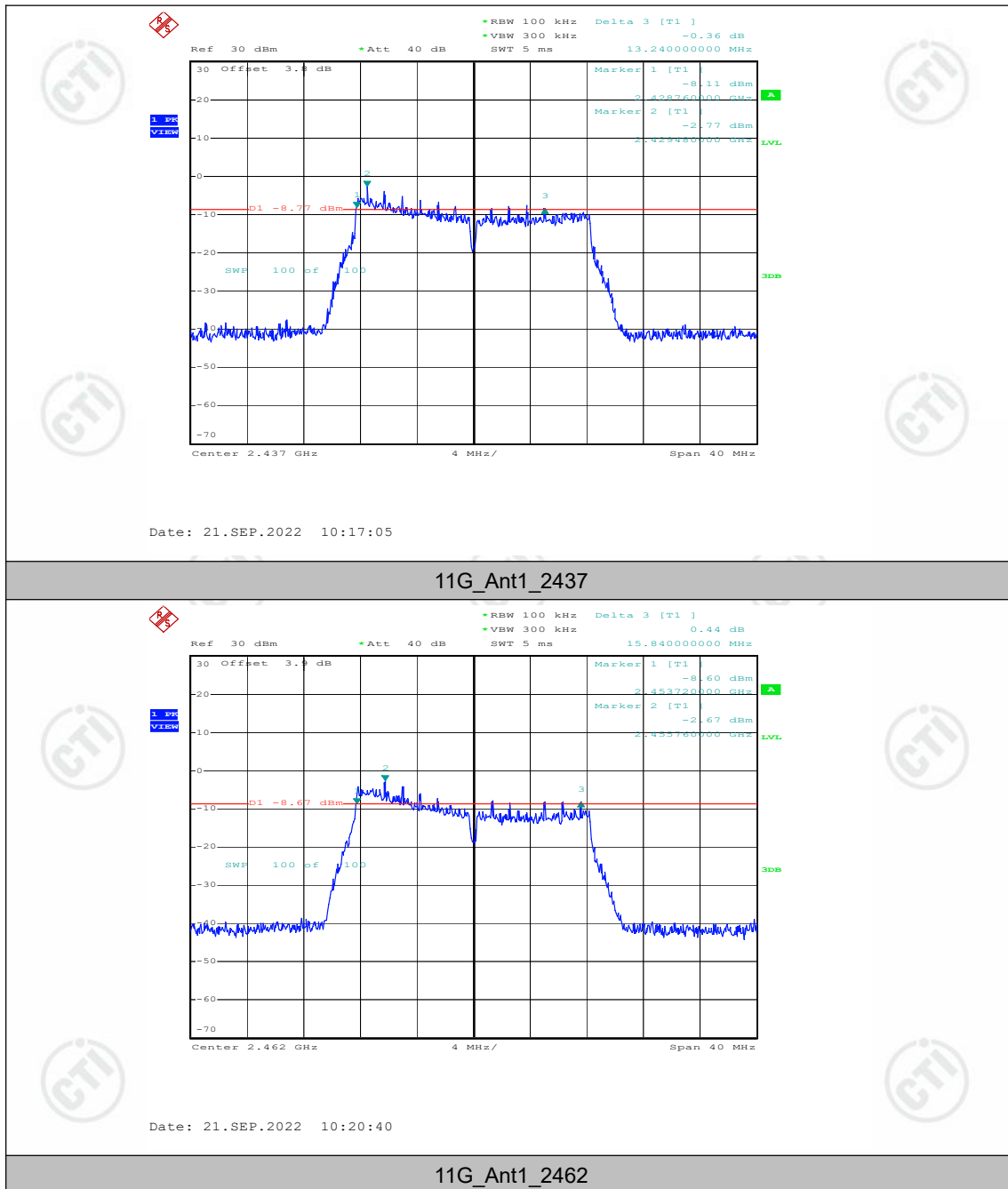
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.04	2406.96	2417.00	0.5	PASS
		2437	9.60	2431.96	2441.56	0.5	PASS
		2462	9.08	2456.92	2466.00	0.5	PASS
11G	Ant1	2412	16.56	2403.72	2420.28	0.5	PASS
		2437	13.24	2428.76	2442.00	0.5	PASS
		2462	15.84	2453.72	2469.56	0.5	PASS
11N20SIS O	Ant1	2412	17.68	2403.16	2420.84	0.5	PASS
		2437	16.44	2428.12	2444.56	0.5	PASS
		2462	16.36	2453.16	2469.52	0.5	PASS
11N40SIS O	Ant1	2422	26.32	2404.48	2430.80	0.5	PASS
		2437	35.20	2419.56	2454.76	0.5	PASS
		2452	25.04	2434.48	2459.52	0.5	PASS

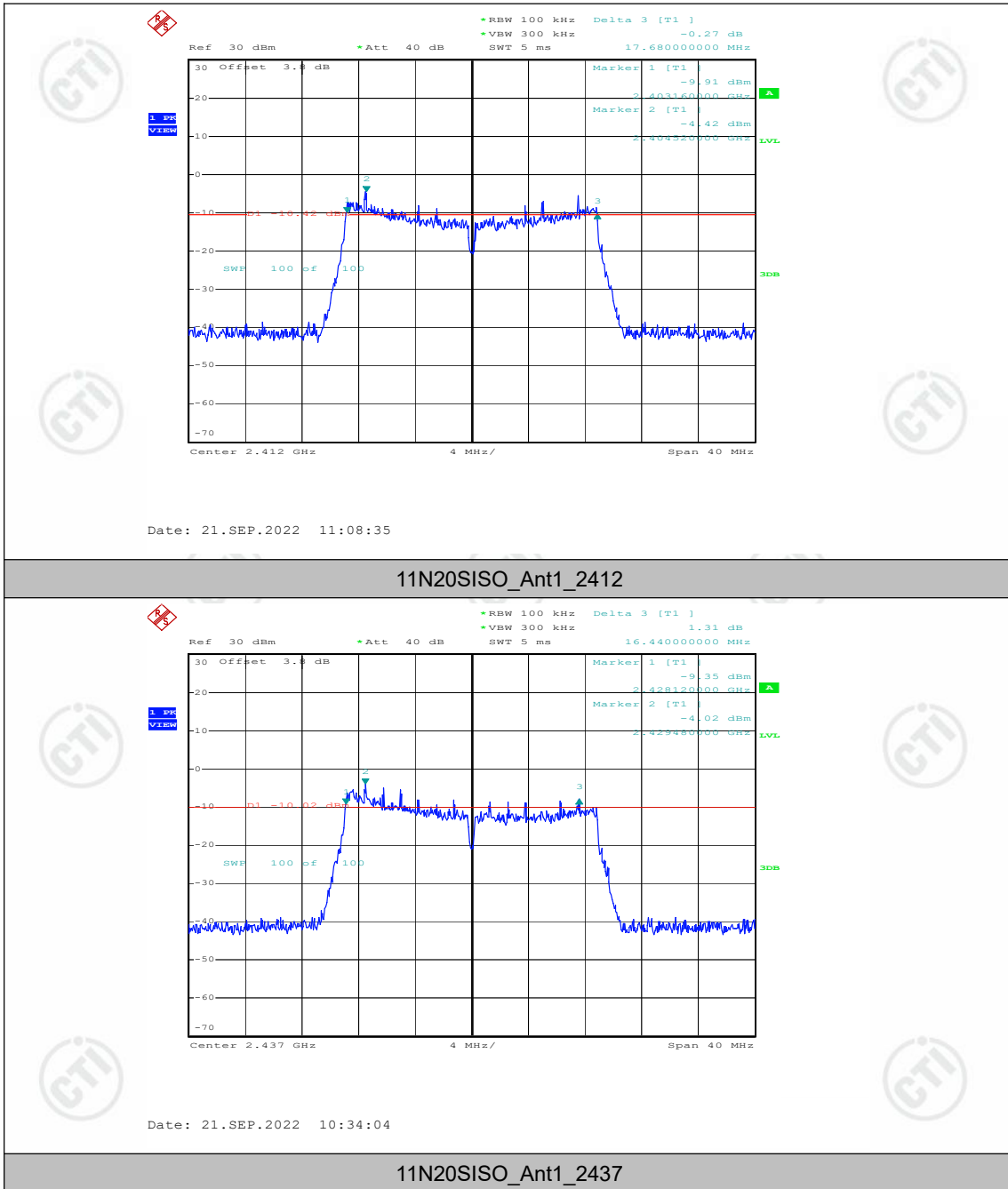


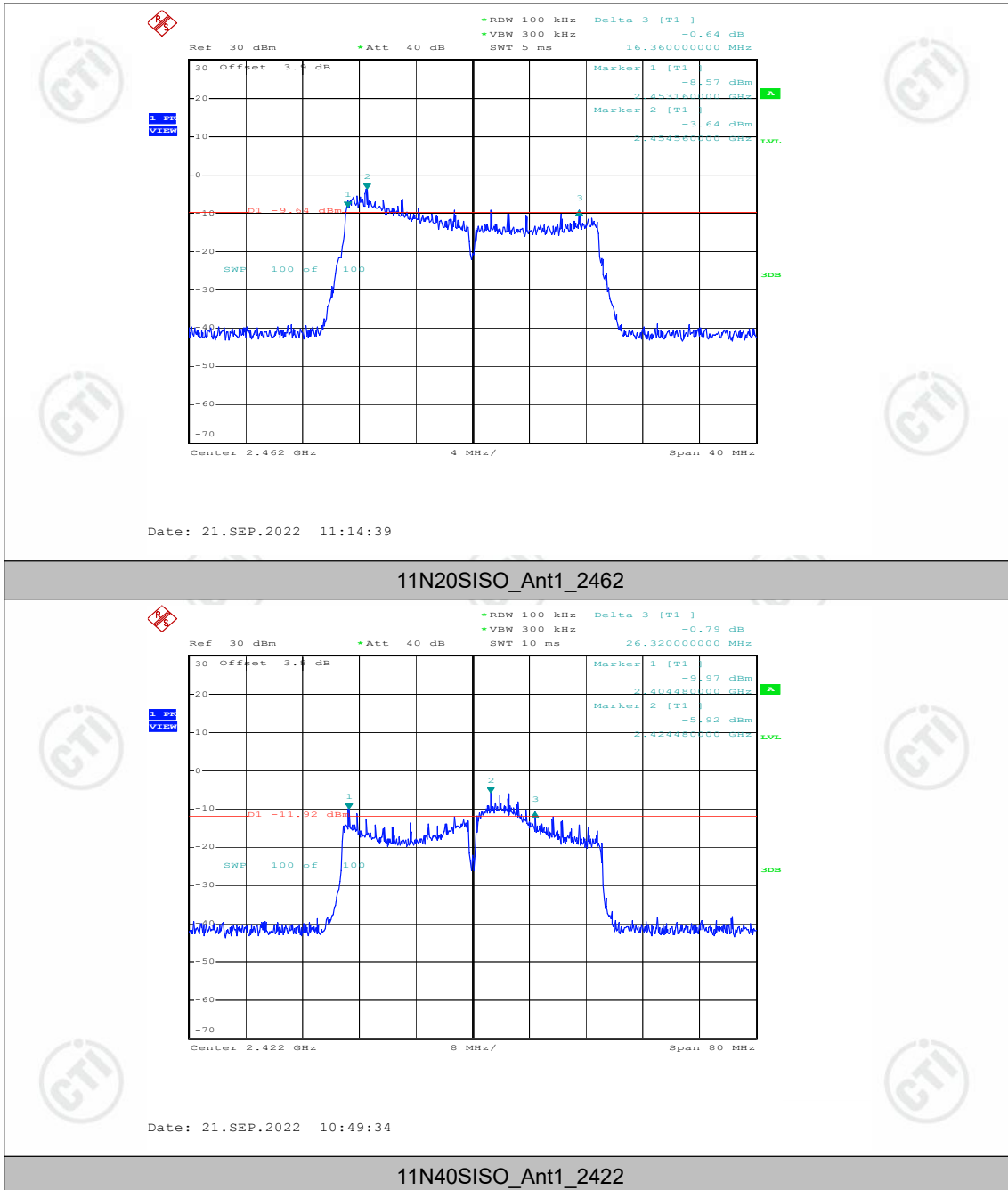
11B_Ant1_2462

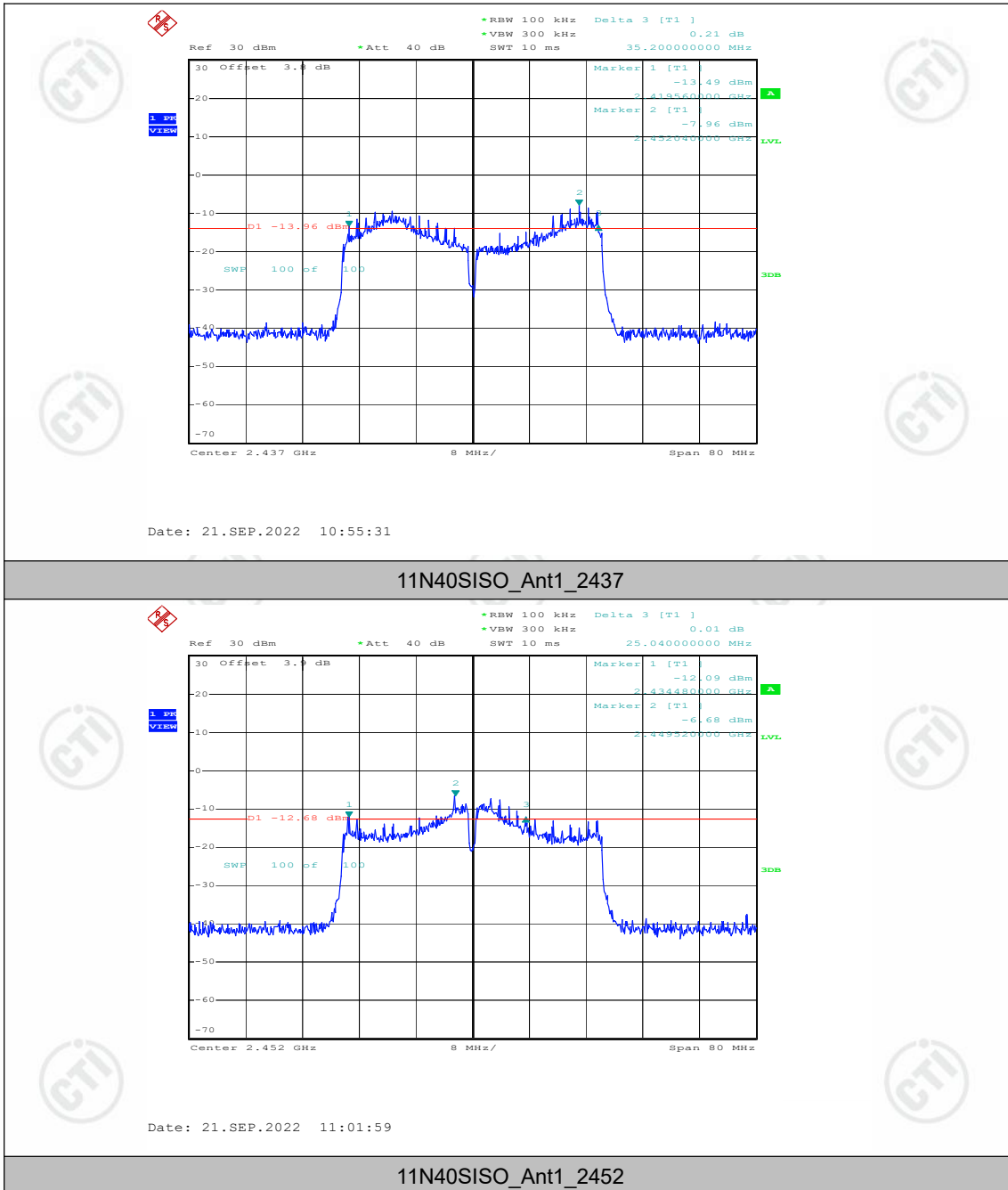


11G_Ant1_2412







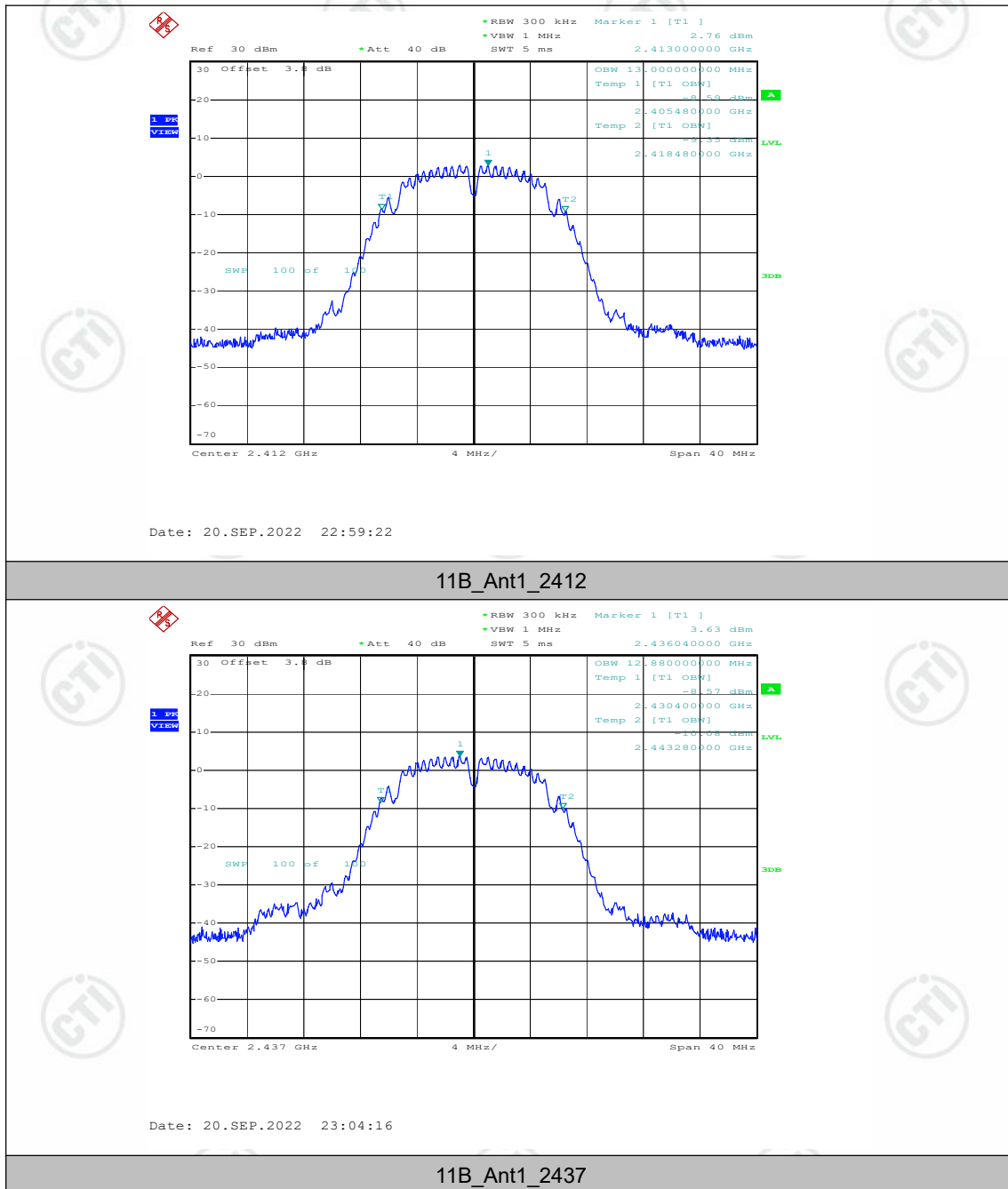


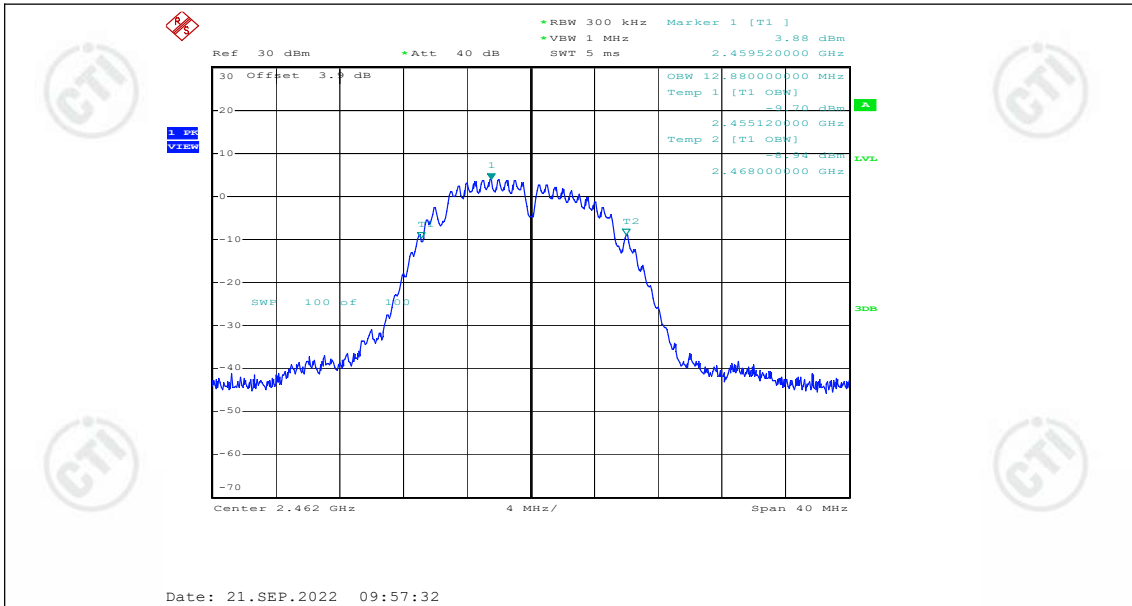
Appendix B: Occupied Channel Bandwidth

Test Result

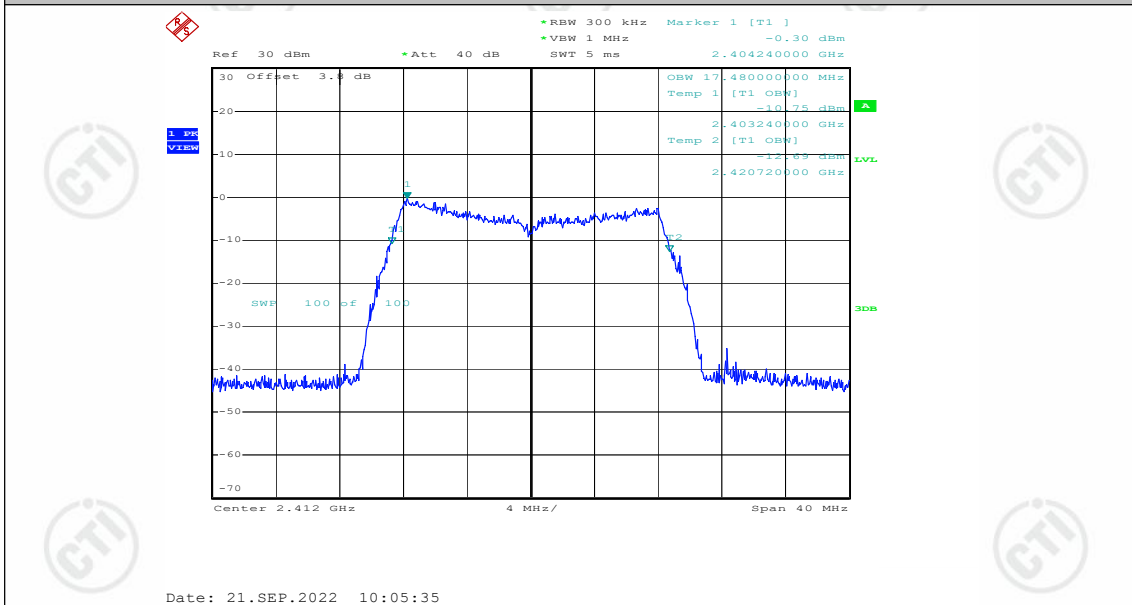
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13	0.000	0.000	---	---
		2437	12.88	0.000	0.000	---	---
		2462	12.88	0.000	0.000	---	---
11G	Ant1	2412	17.48	0.000	0.000	---	---
		2437	17.56	0.000	0.000	---	---
		2462	17.4	0.000	0.000	---	---
11N20SI SO	Ant1	2412	18.28	0.000	0.000	---	---
		2437	18.28	0.000	0.000	---	---
		2462	18.28	0.000	0.000	---	---
11N40SI SO	Ant1	2422	36.32	0.000	0.000	---	---
		2437	36.48	0.000	0.000	---	---
		2452	36.24	0.000	0.000	---	---

Test Graphs

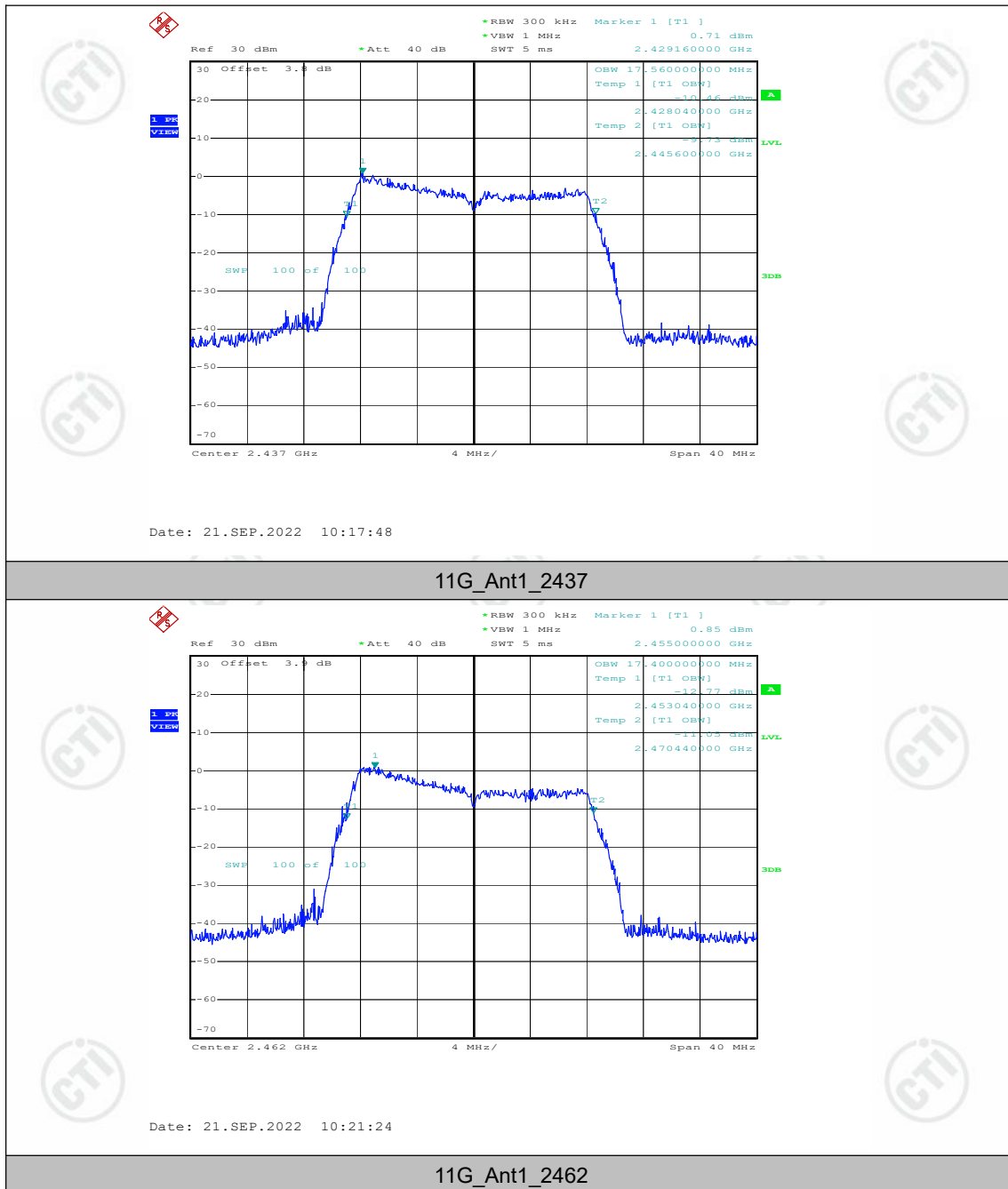


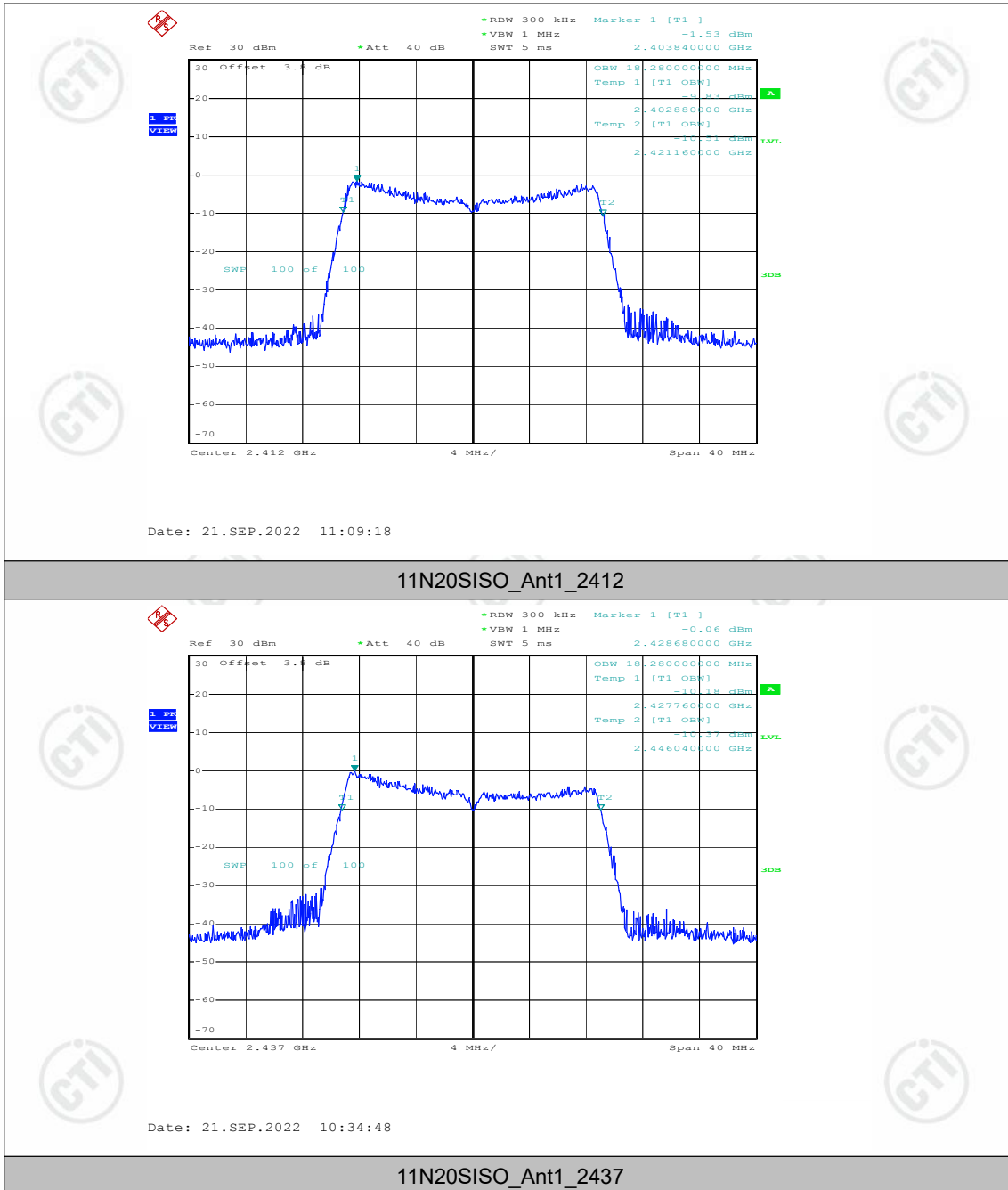


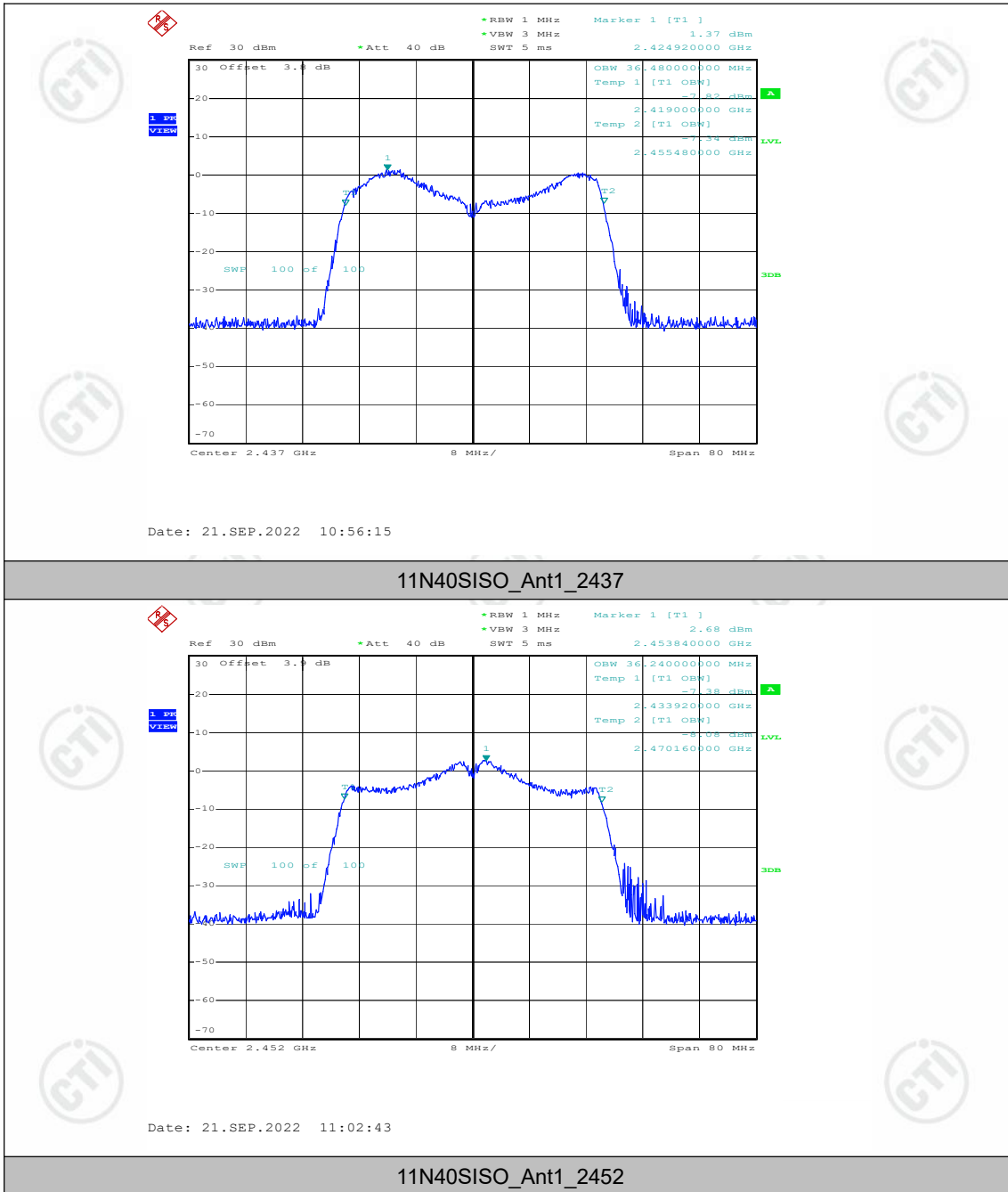
11B_Ant1_2462



11G_Ant1_2412







Appendix C: Maximum conducted output power

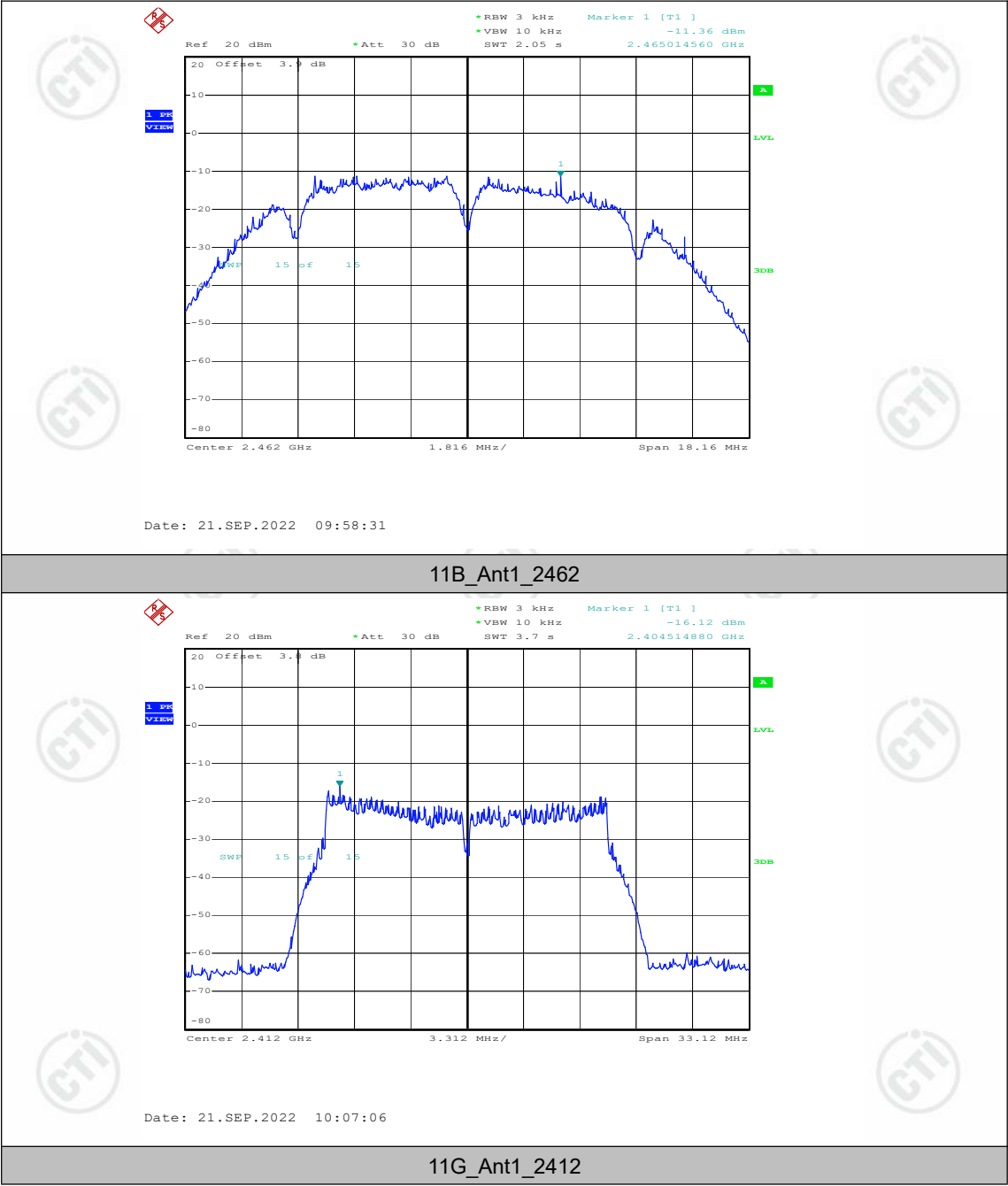
Test Result Peak

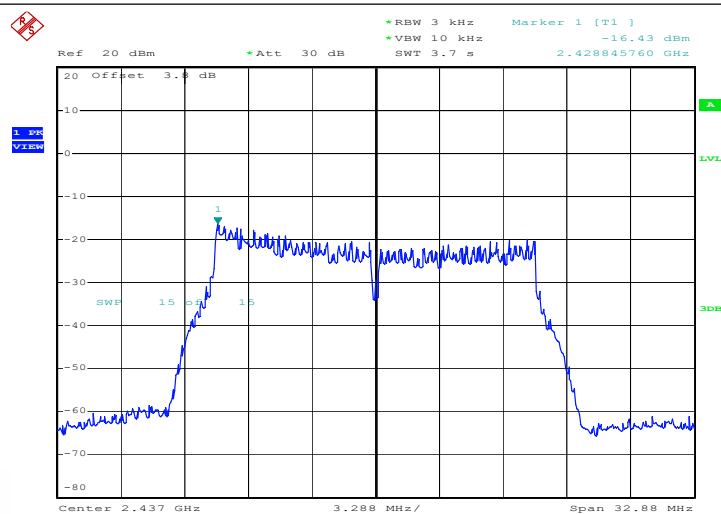
Test Mode	Antenna	Frequency [MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	14.28	≤30.00	PASS
		2437	---	14.90	≤30.00	PASS
		2462	---	14.84	≤30.00	PASS
11G	Ant1	2412	---	13.36	≤30.00	PASS
		2437	---	13.65	≤30.00	PASS
		2462	---	13.64	≤30.00	PASS
11N20SISO	Ant1	2412	---	12.64	≤30.00	PASS
		2437	---	12.22	≤30.00	PASS
		2462	---	12.09	≤30.00	PASS
11N40SISO	Ant1	2422	---	11.35	≤30.00	PASS
		2437	---	11.63	≤30.00	PASS
		2452	---	11.76	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

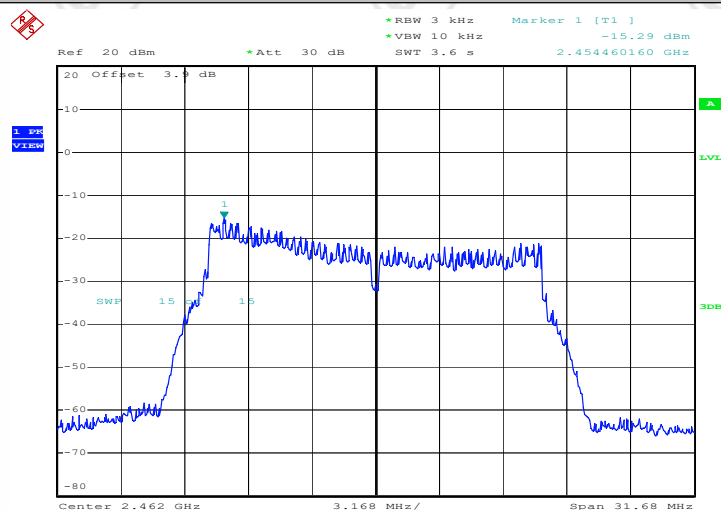
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.74	≤8.00	PASS
		2437	-10.33	≤8.00	PASS
		2462	-11.36	≤8.00	PASS
11G	Ant1	2412	-16.12	≤8.00	PASS
		2437	-16.43	≤8.00	PASS
		2462	-15.29	≤8.00	PASS
11N20SISO	Ant1	2412	-17.53	≤8.00	PASS
		2437	-17.15	≤8.00	PASS
		2462	-16.62	≤8.00	PASS
11N40SISO	Ant1	2422	-20.2	≤8.00	PASS
		2437	-20.41	≤8.00	PASS
		2452	-18.56	≤8.00	PASS





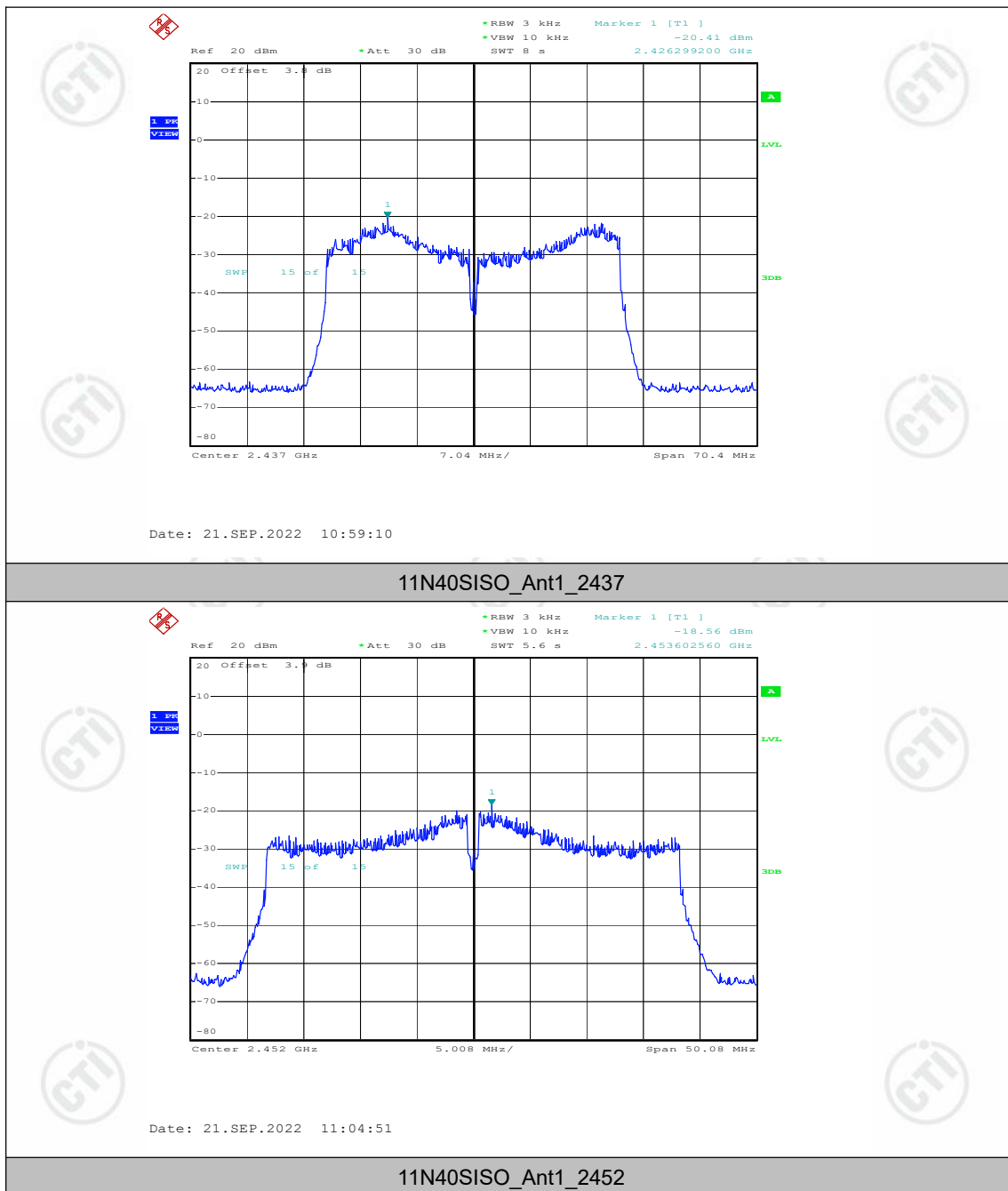
Date: 21.SEP.2022 10:13:26

11G_Ant1_2437



Date: 21.SEP.2022 10:22:52

11G_Ant1_2462

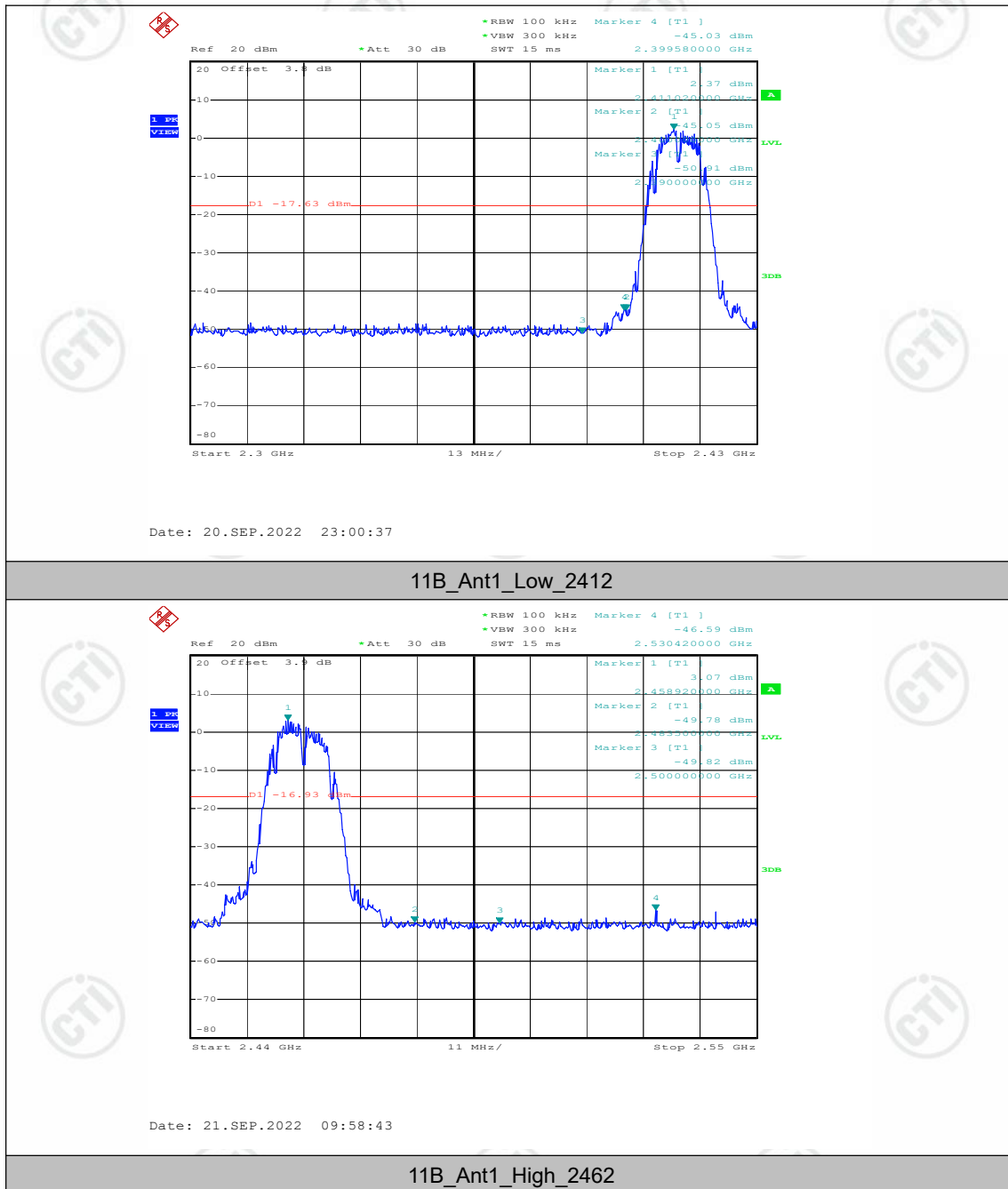


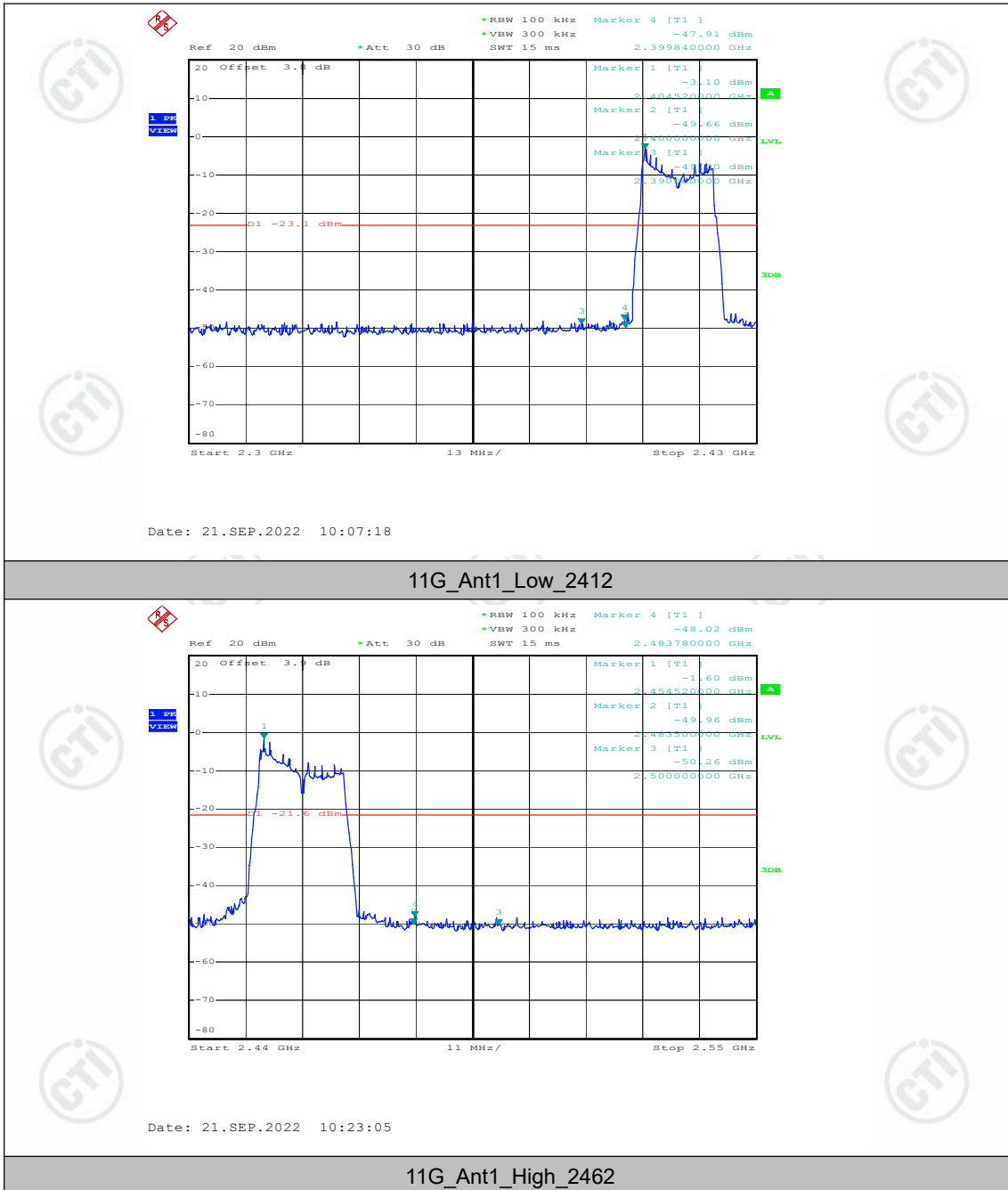
Appendix E: Band edge measurements

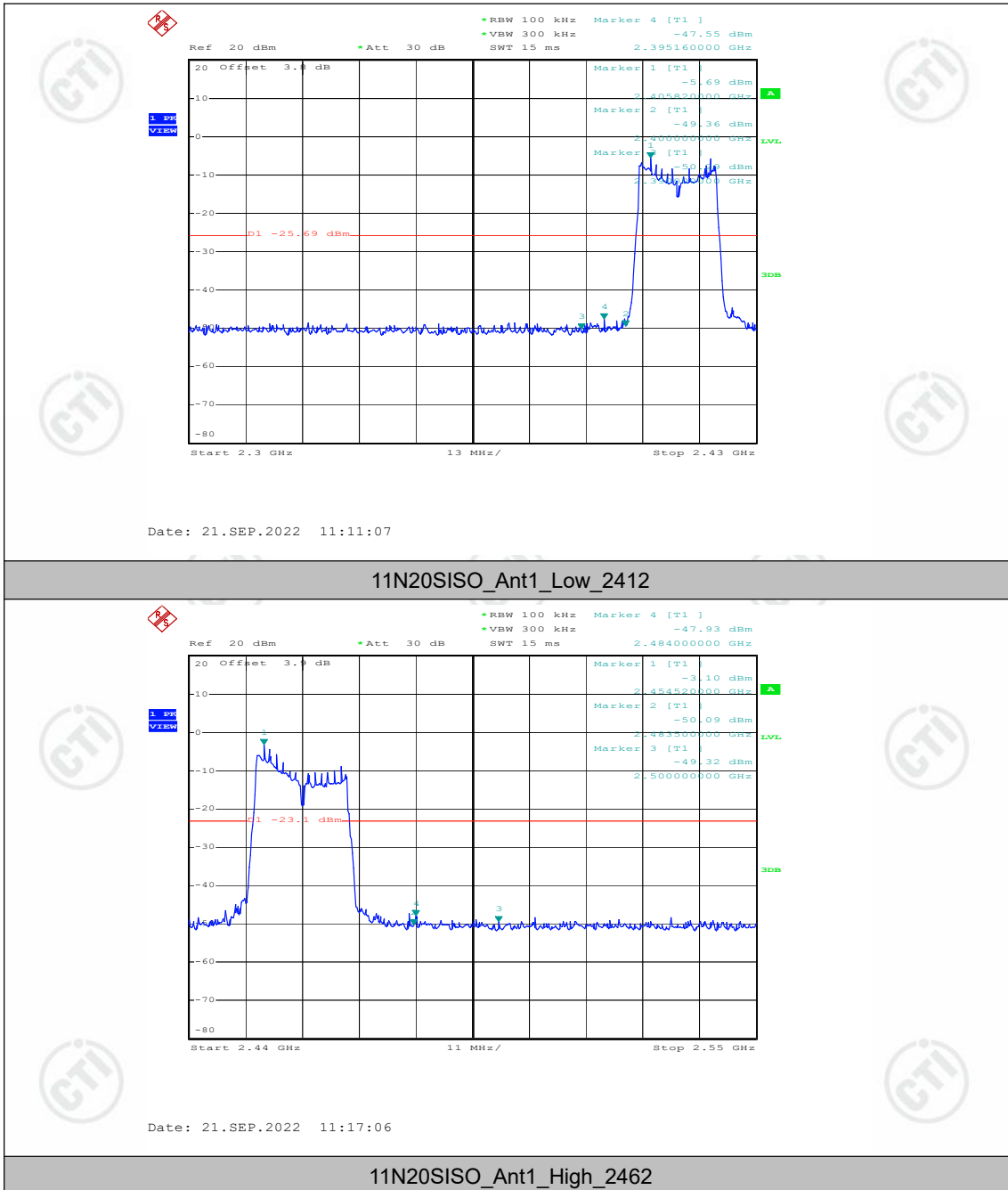
Test Result

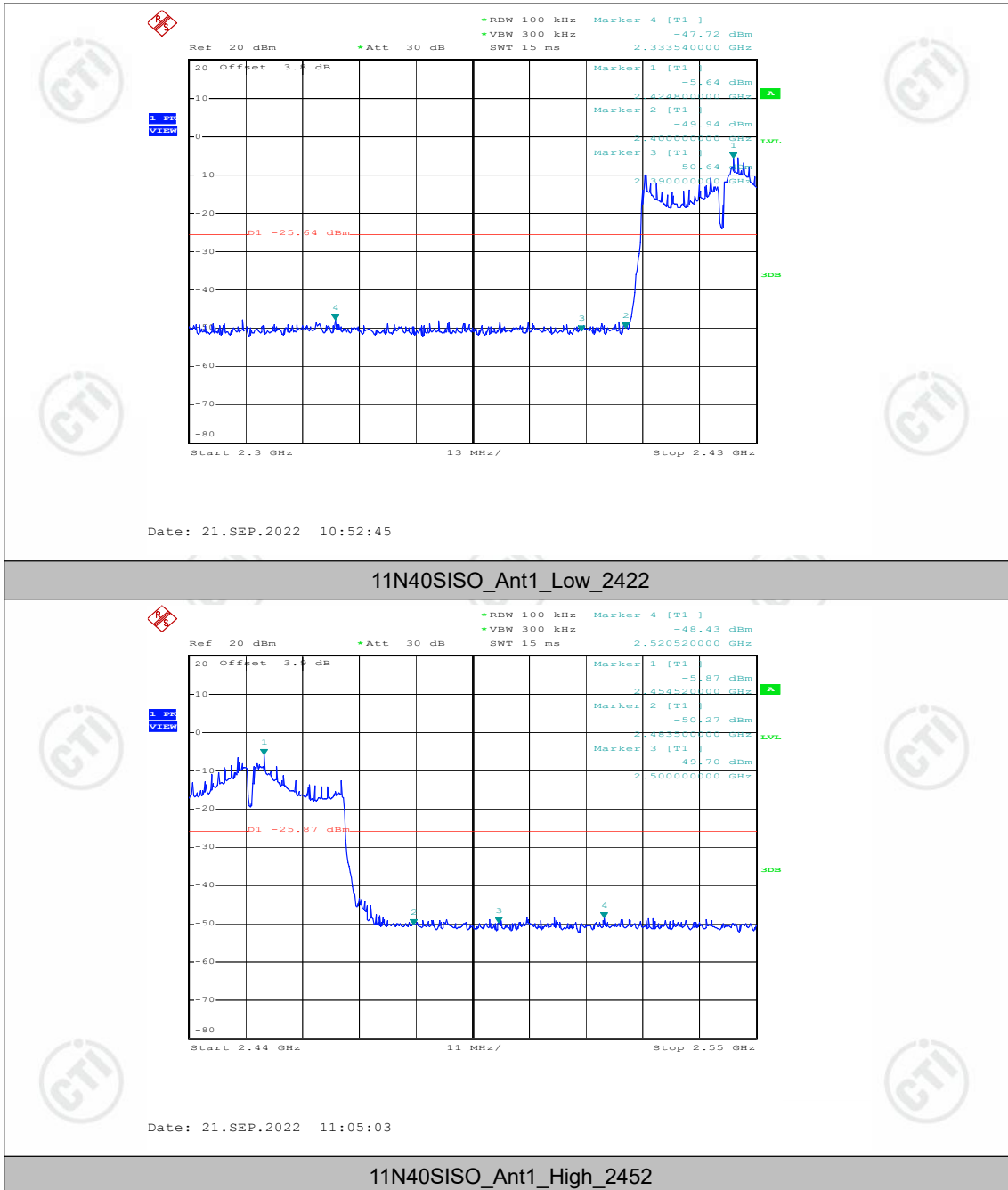
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	2.37	-45.03	≤-17.63	PASS
		High	2462	3.07	-46.59	≤-16.93	PASS
11G	Ant1	Low	2412	-3.10	-47.91	≤-23.1	PASS
		High	2462	-1.60	-48.02	≤-21.6	PASS
11N20SIS O	Ant1	Low	2412	-5.69	-47.55	≤-25.69	PASS
		High	2462	-3.10	-47.93	≤-23.1	PASS
11N40SIS O	Ant1	Low	2422	-5.64	-47.72	≤-25.64	PASS
		High	2452	-5.87	-48.43	≤-25.87	PASS

Test Graphs







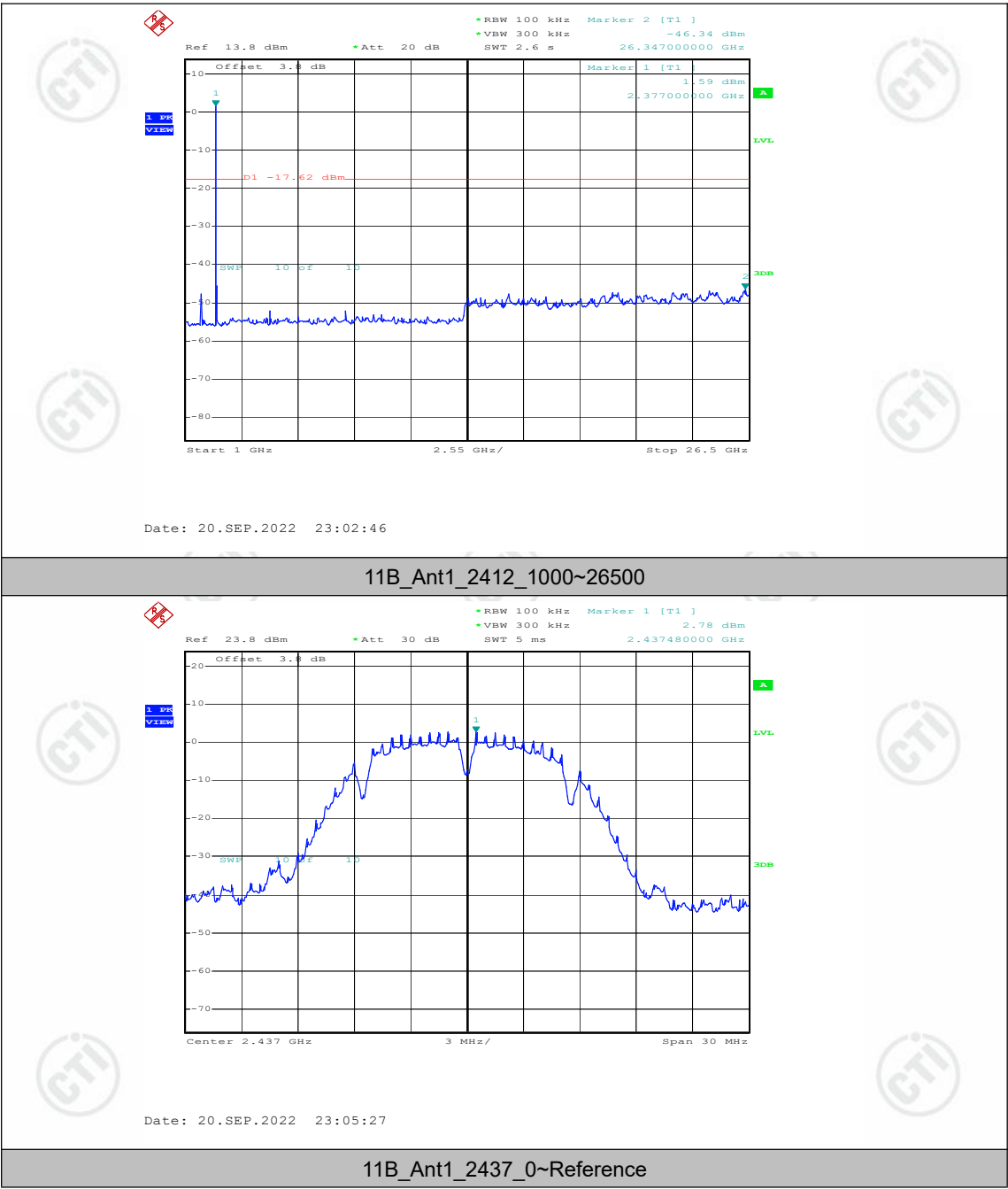


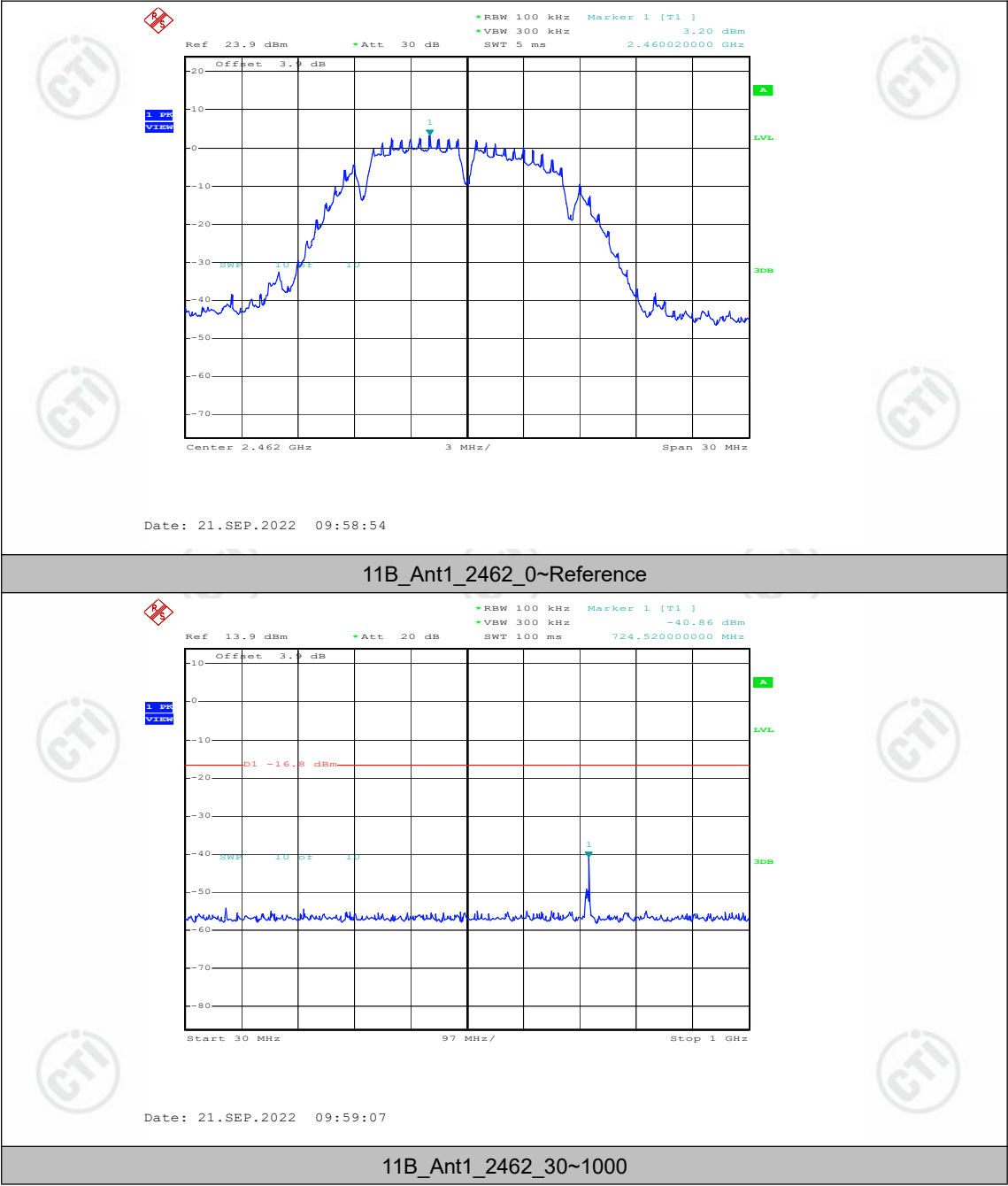
Appendix F: Conducted Spurious Emission

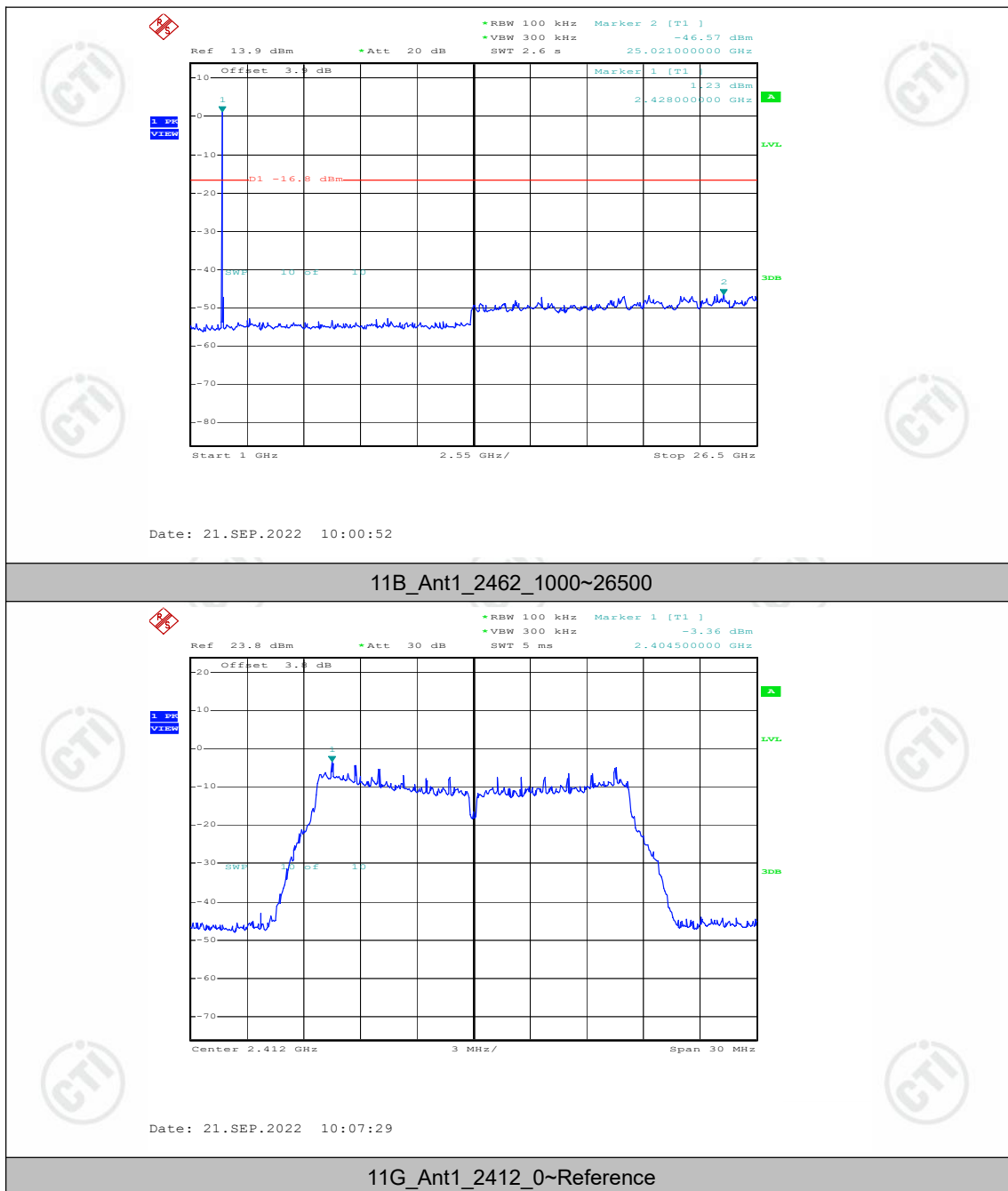
Test Result

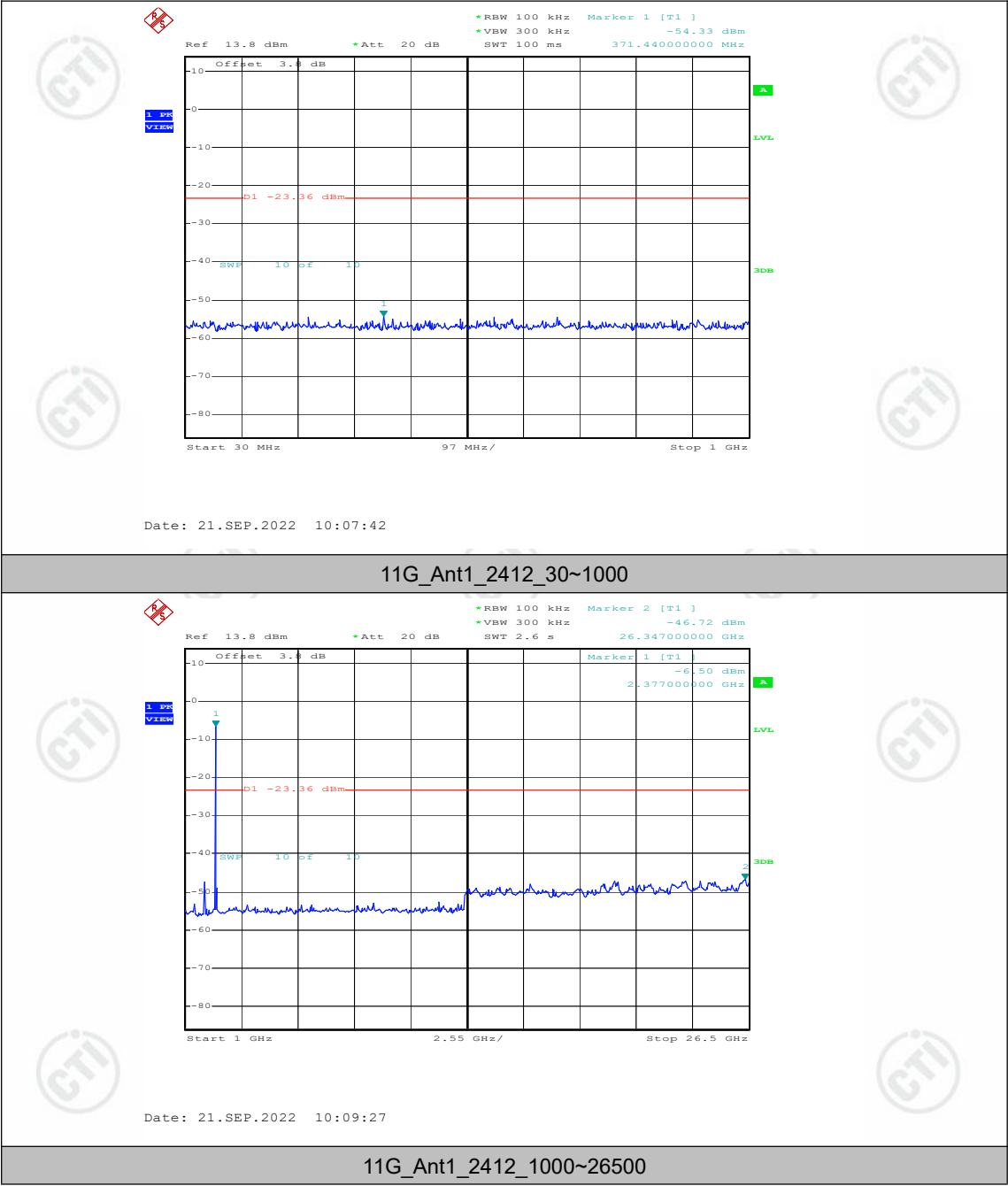
Test Mode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.38	2.38	---	PASS
			30~1000	---	-41.47	≤-17.62	PASS
			1000~26500	---	-46.34	≤-17.62	PASS
		2437	Reference	2.78	2.78	---	PASS
			30~1000	---	-40.65	≤-17.22	PASS
			1000~26500	---	-42.53	≤-17.22	PASS
		2462	Reference	3.20	3.20	---	PASS
			30~1000	---	-40.86	≤-16.8	PASS
			1000~26500	---	-46.57	≤-16.8	PASS
11G	Ant1	2412	Reference	-3.36	-3.36	---	PASS
			30~1000	---	-54.33	≤-23.36	PASS
			1000~26500	---	-46.72	≤-23.36	PASS
		2437	Reference	-3.17	-3.17	---	PASS
			30~1000	---	-54.16	≤-23.17	PASS
			1000~26500	---	-46.41	≤-23.17	PASS
		2462	Reference	-1.52	-1.52	---	PASS
			30~1000	---	-54.25	≤-21.52	PASS
			1000~26500	---	-46.77	≤-21.52	PASS
11N20SI SO	Ant1	2412	Reference	-4.45	-4.45	---	PASS
			30~1000	---	-54.49	≤-24.45	PASS
			1000~26500	---	-46.83	≤-24.45	PASS
		2437	Reference	-4.04	-4.04	---	PASS
			30~1000	---	-54.48	≤-24.04	PASS
			1000~26500	---	-46.22	≤-24.04	PASS
		2462	Reference	-3.65	-3.65	---	PASS
			30~1000	---	-53.87	≤-23.65	PASS
			1000~26500	---	-46.83	≤-23.65	PASS
11N40SI SO	Ant1	2422	Reference	-5.65	-5.65	---	PASS
			30~1000	---	-54.79	≤-25.65	PASS
			1000~26500	---	-46.58	≤-25.65	PASS
		2437	Reference	-7.69	-7.69	---	PASS
			30~1000	---	-53.8	≤-27.69	PASS
			1000~26500	---	-46.59	≤-27.69	PASS
		2452	Reference	-6.23	-6.23	---	PASS
			30~1000	---	-53.53	≤-26.23	PASS

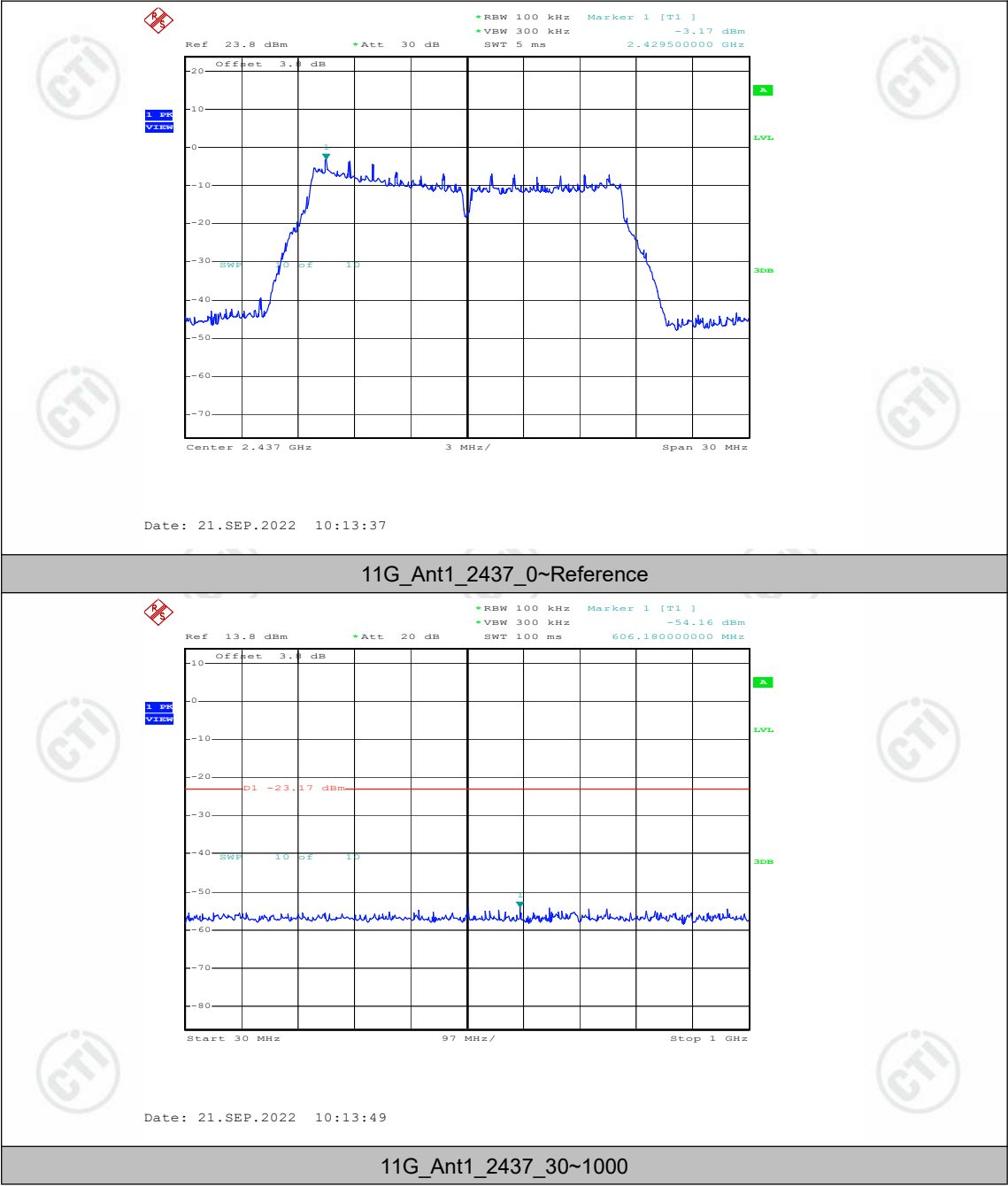
			1000~26500	---	-46.62	≤-26.23	PASS
--	--	--	------------	-----	--------	---------	------

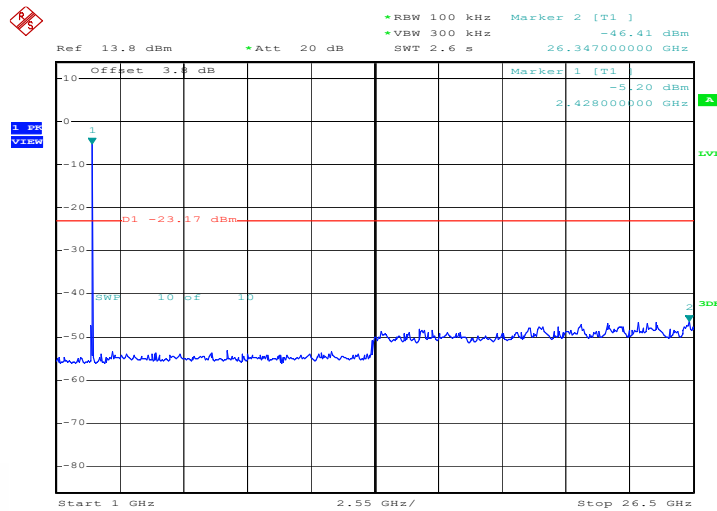






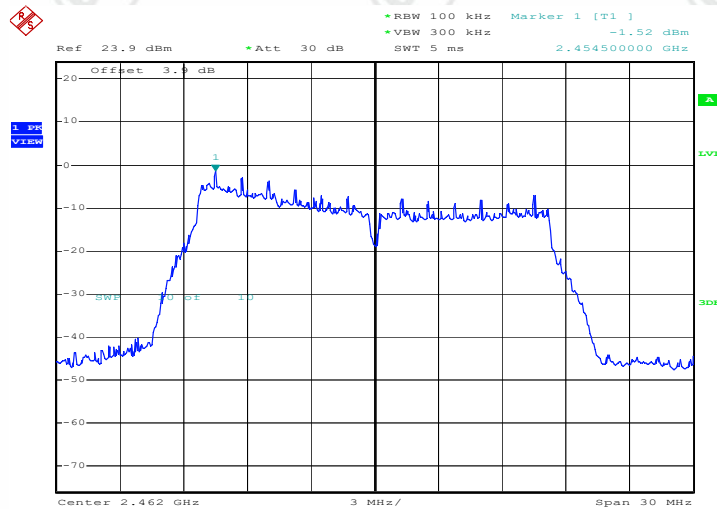






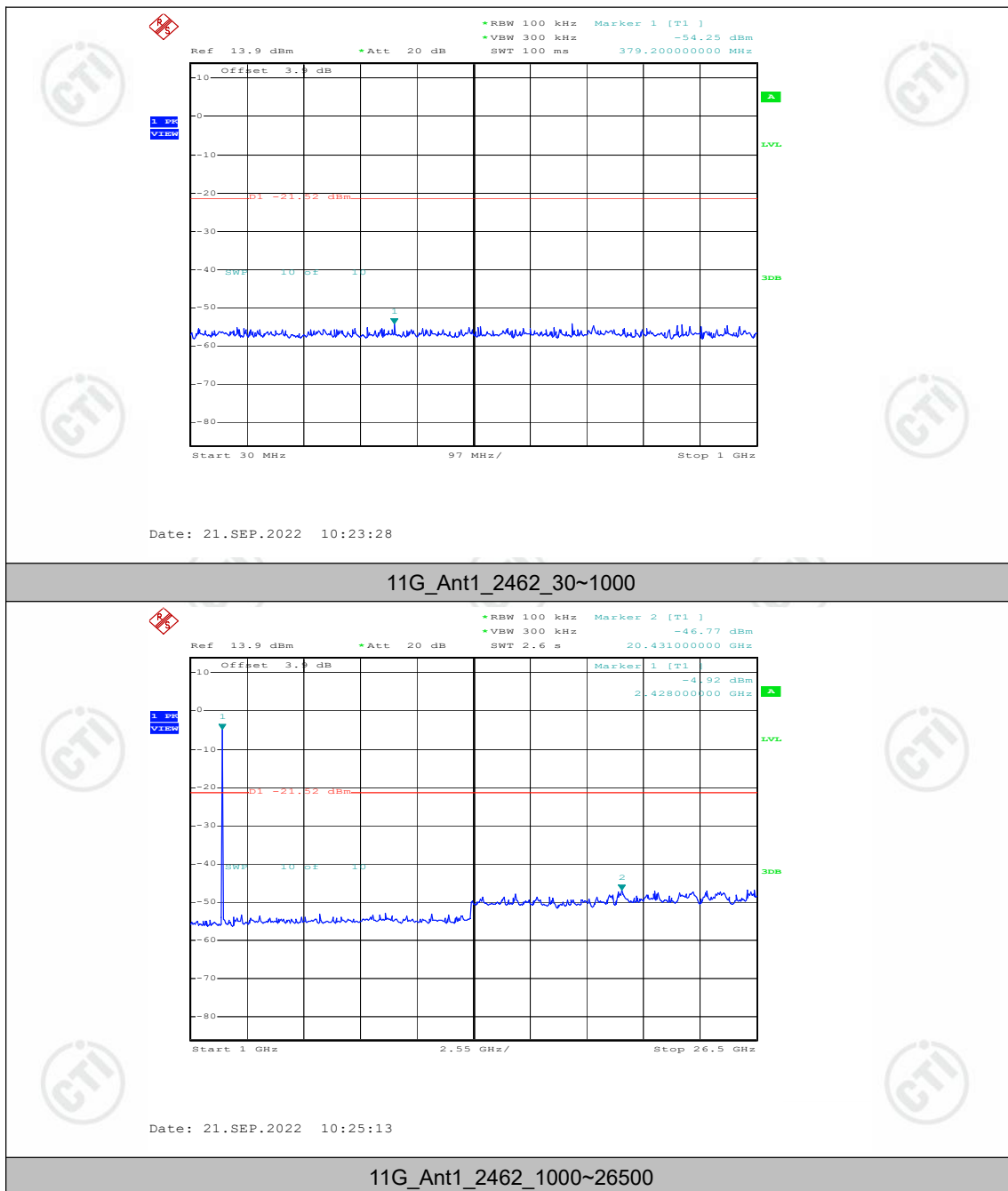
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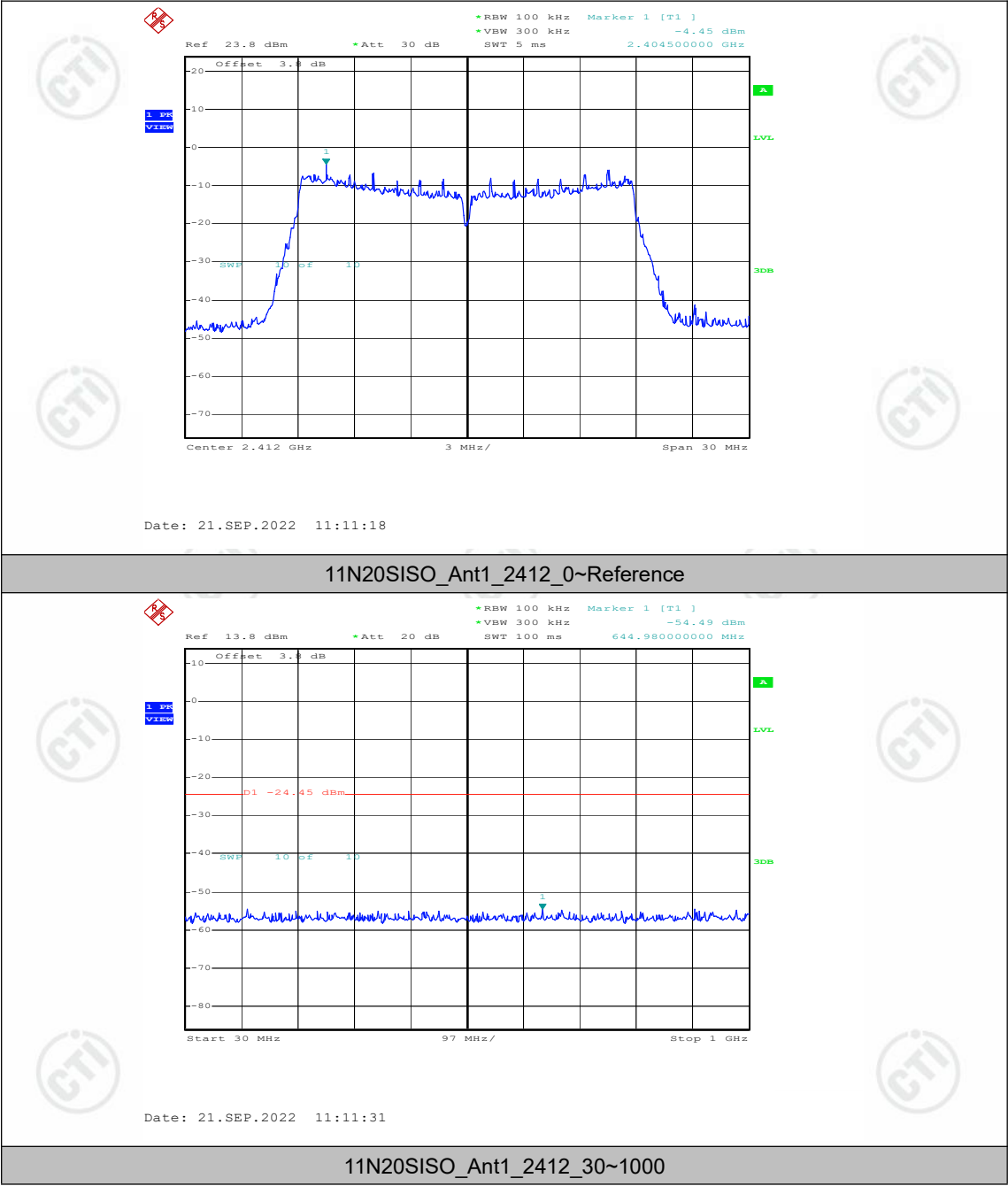
11G_Ant1_2437_1000~26500

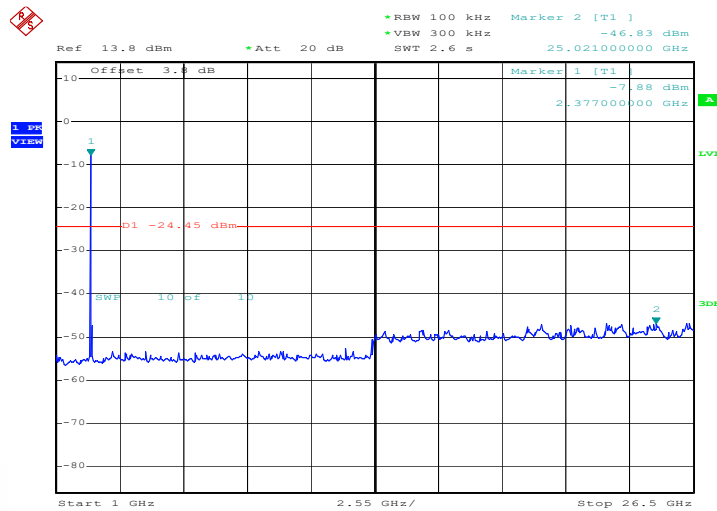


Date: 21.SEP.2022 10:23:15

11G_Ant1_2462_0~Reference

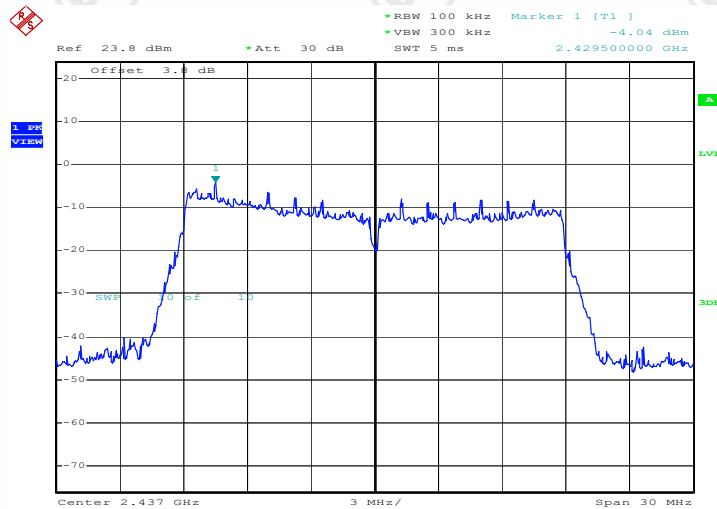






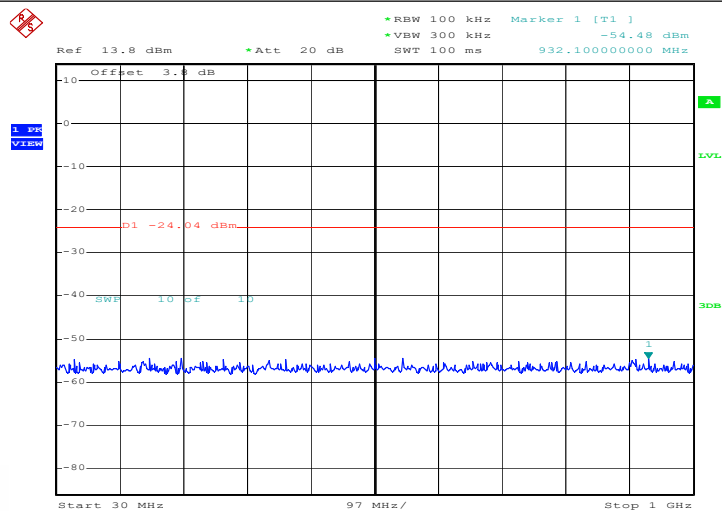
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11N20ISO_Ant1_2412_1000~26500



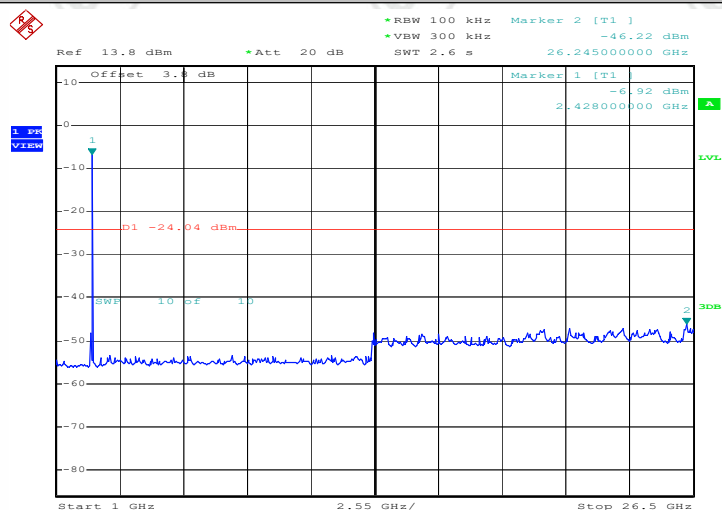
Date: 21.SEP.2022 10:38:26

11N20ISO_Ant1_2437_0~Reference



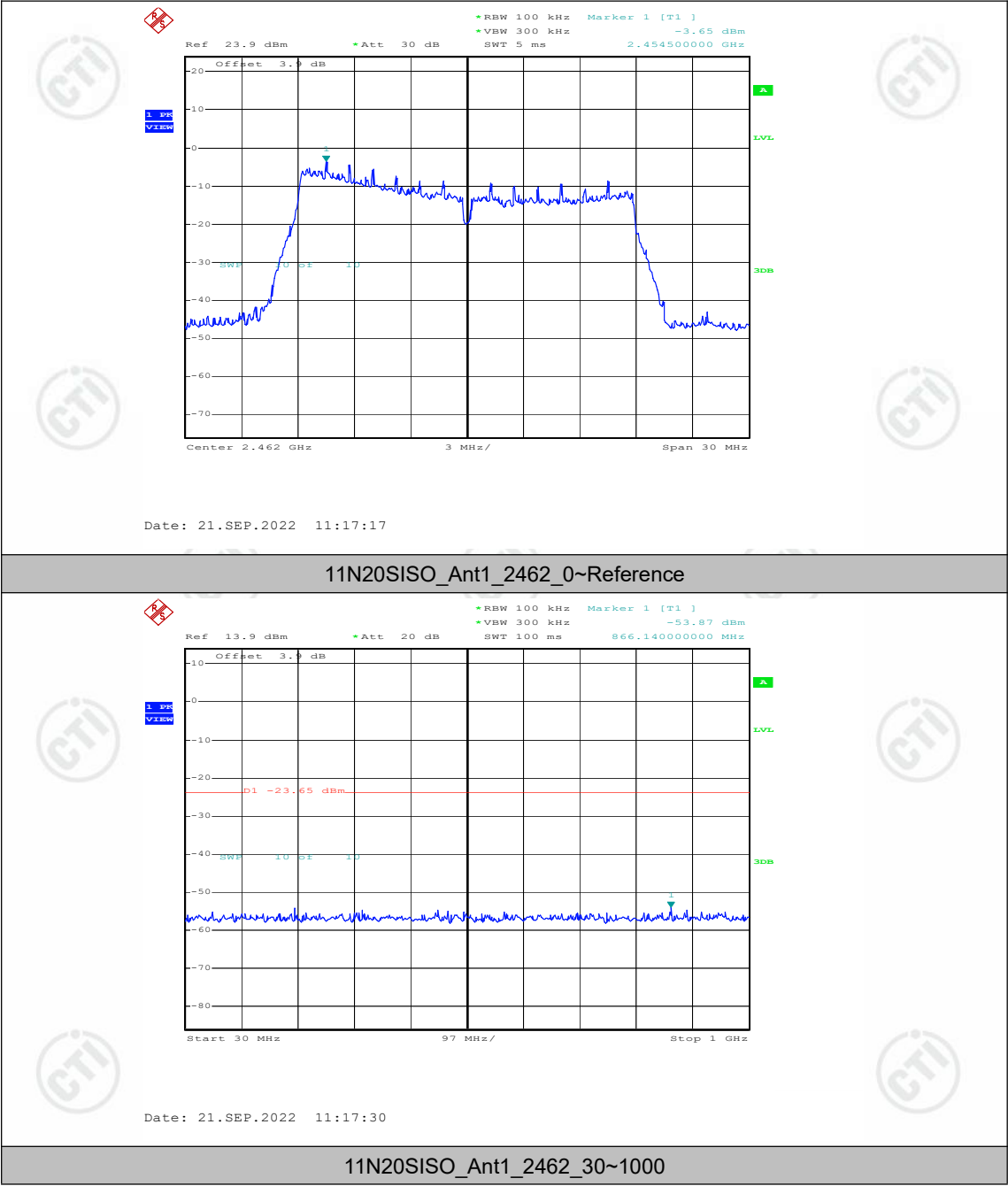
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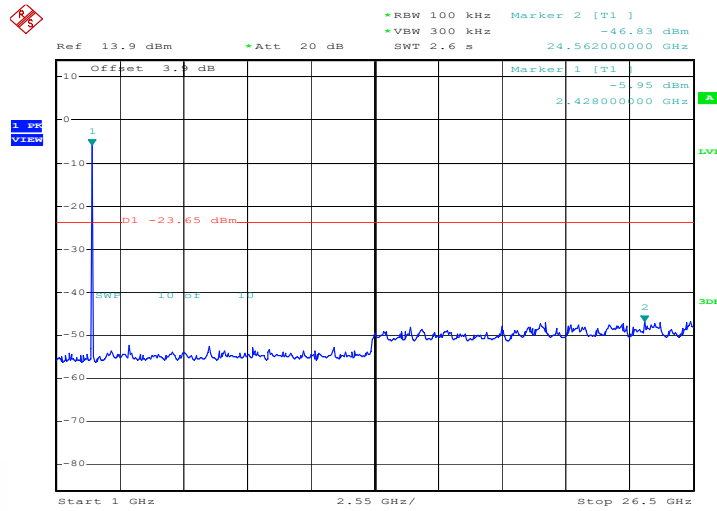
11N20SISO_Ant1_2437_30~1000



Date: 21.SEP.2022 10:40:24

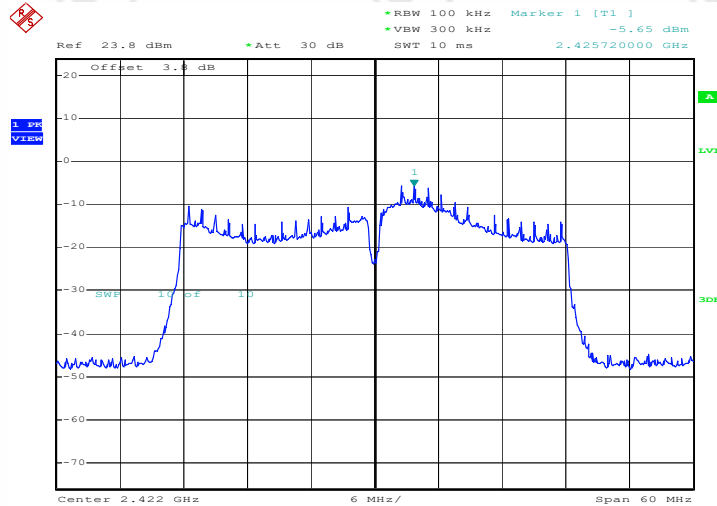
11N20SISO_Ant1_2437_1000~26500





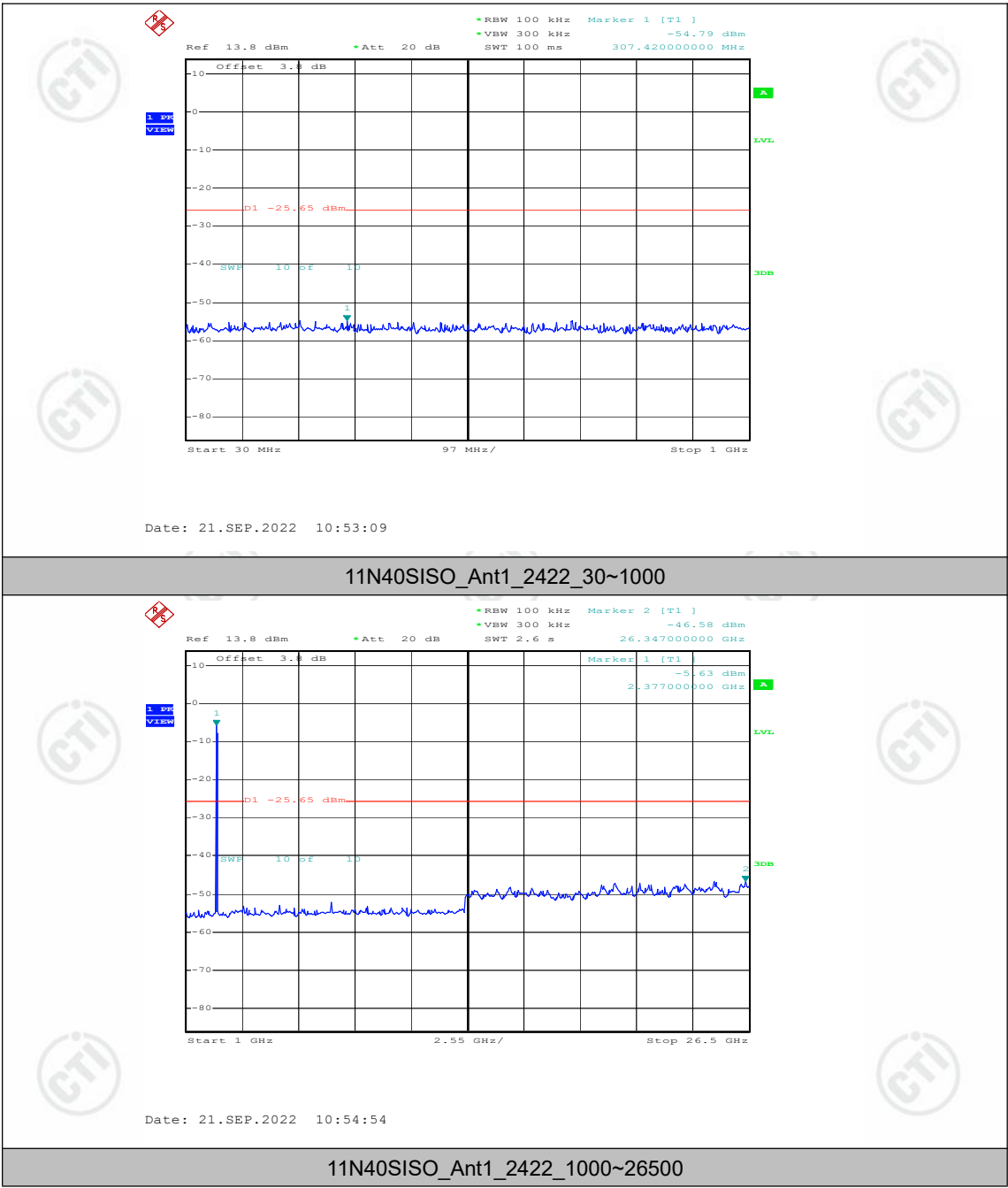
Date: 21.SEP.2022 11:19:15

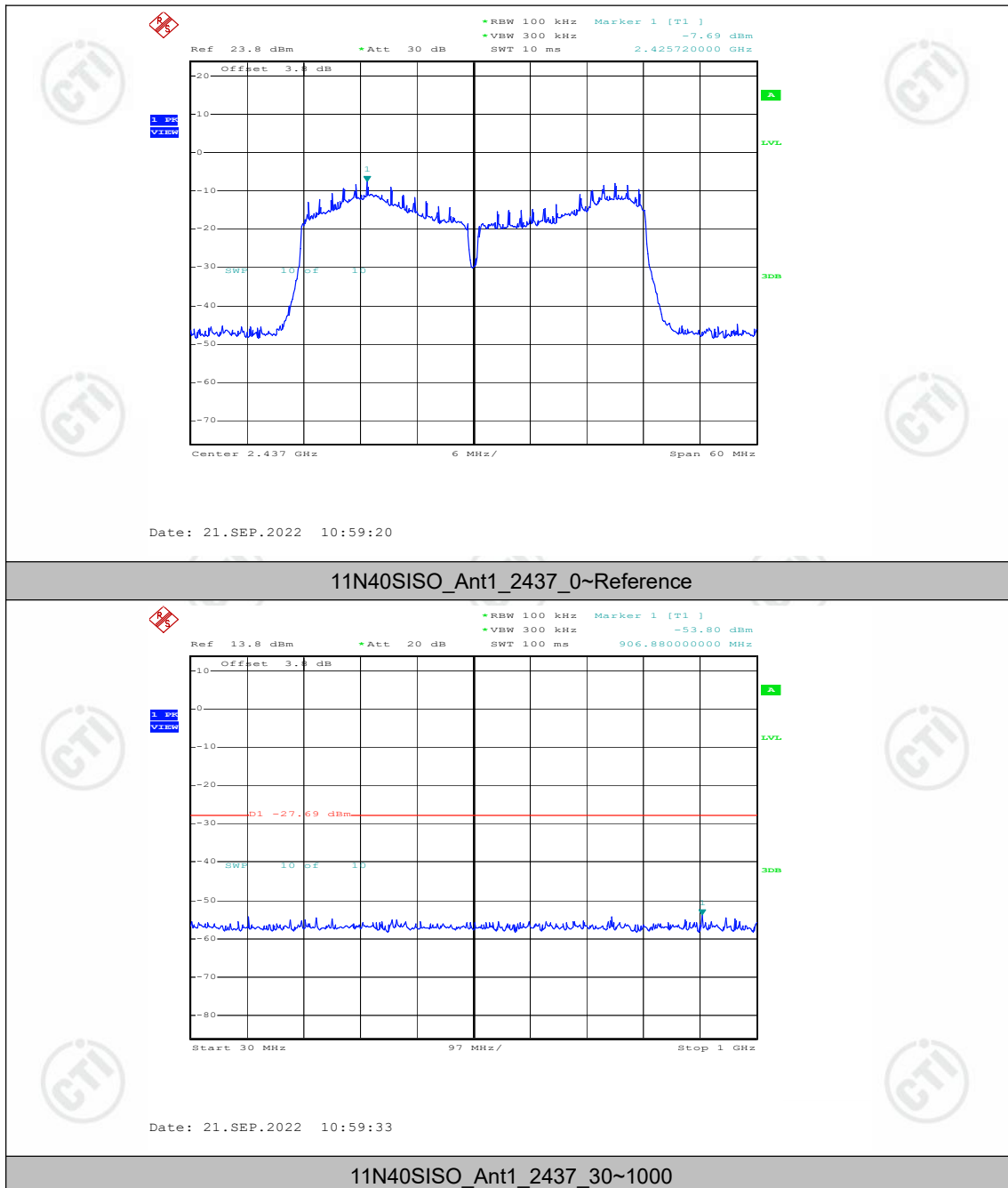
11N20ISO_Ant1_2462_1000~26500

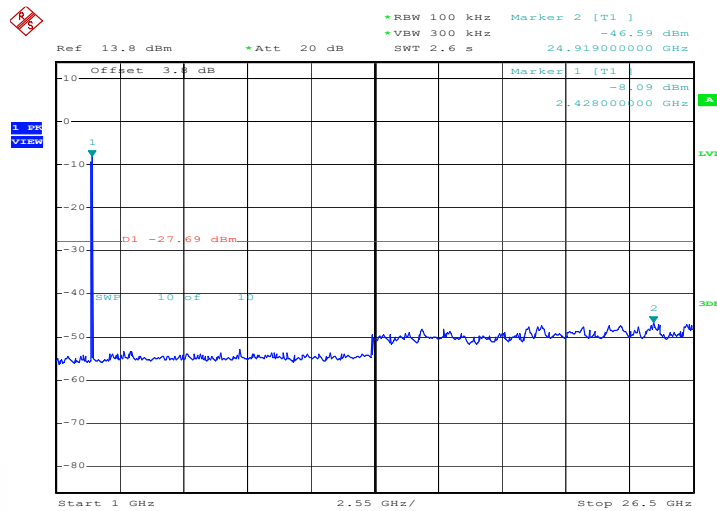


Date: 21.SEP.2022 10:52:56

11N40ISO_Ant1_2422_0~Reference

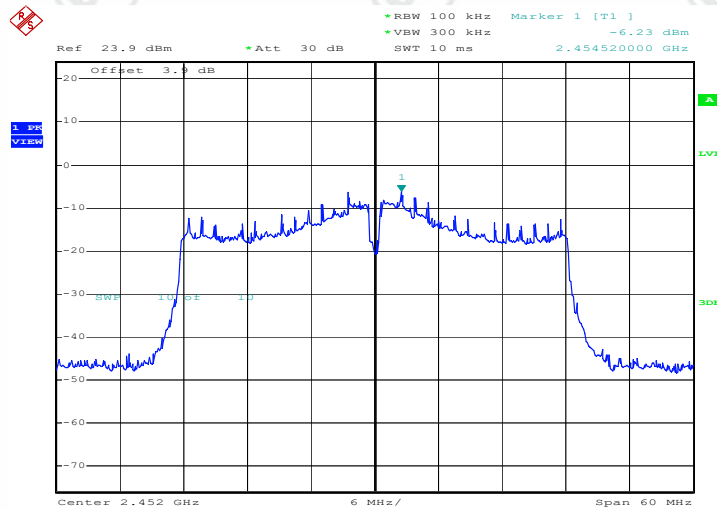






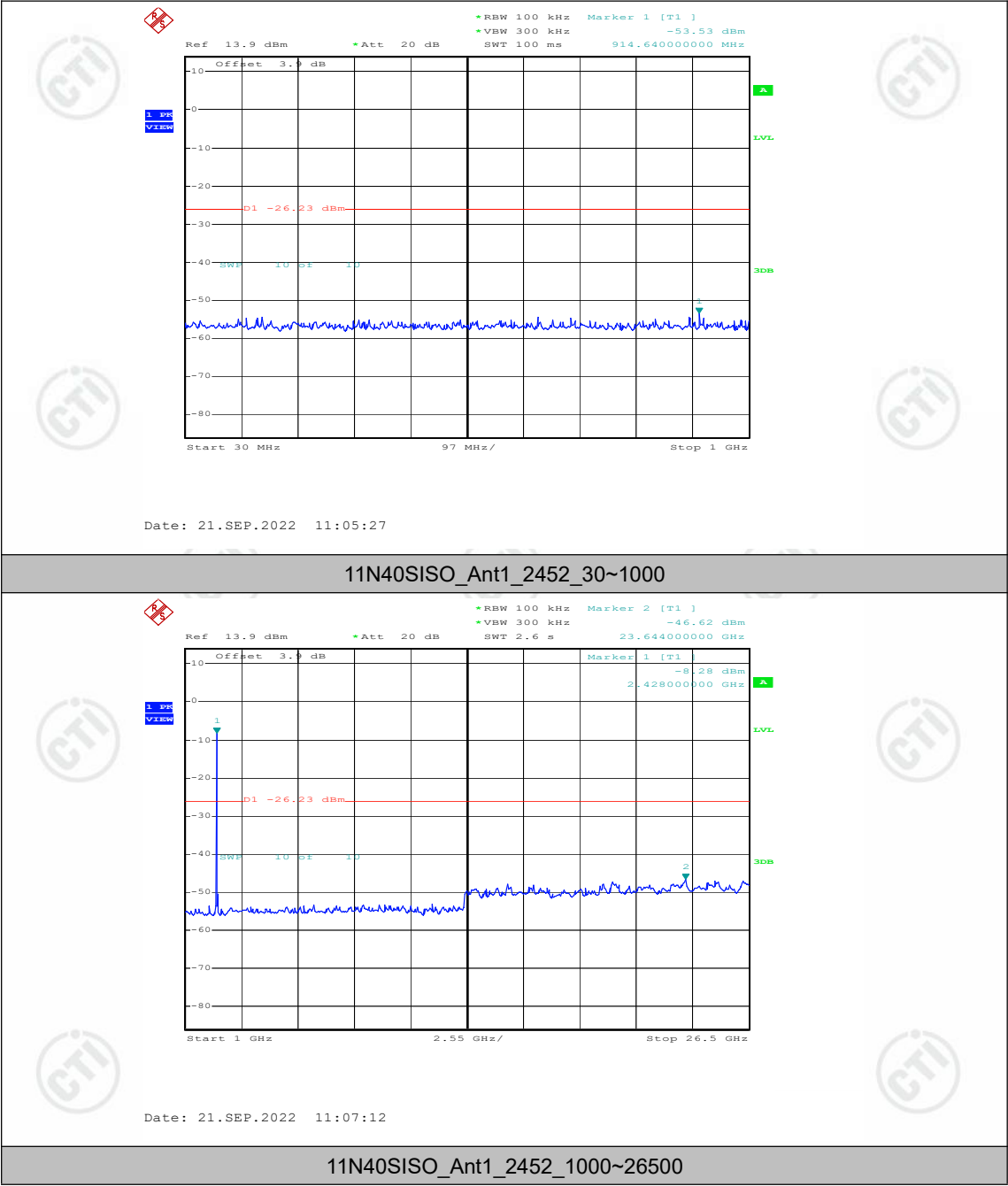
Date: 21.SEP.2022 11:01:18

11N40SISO_Ant1_2437_1000~26500



Date: 21.SEP.2022 11:05:14

11N40SISO_Ant1_2452_0~Reference

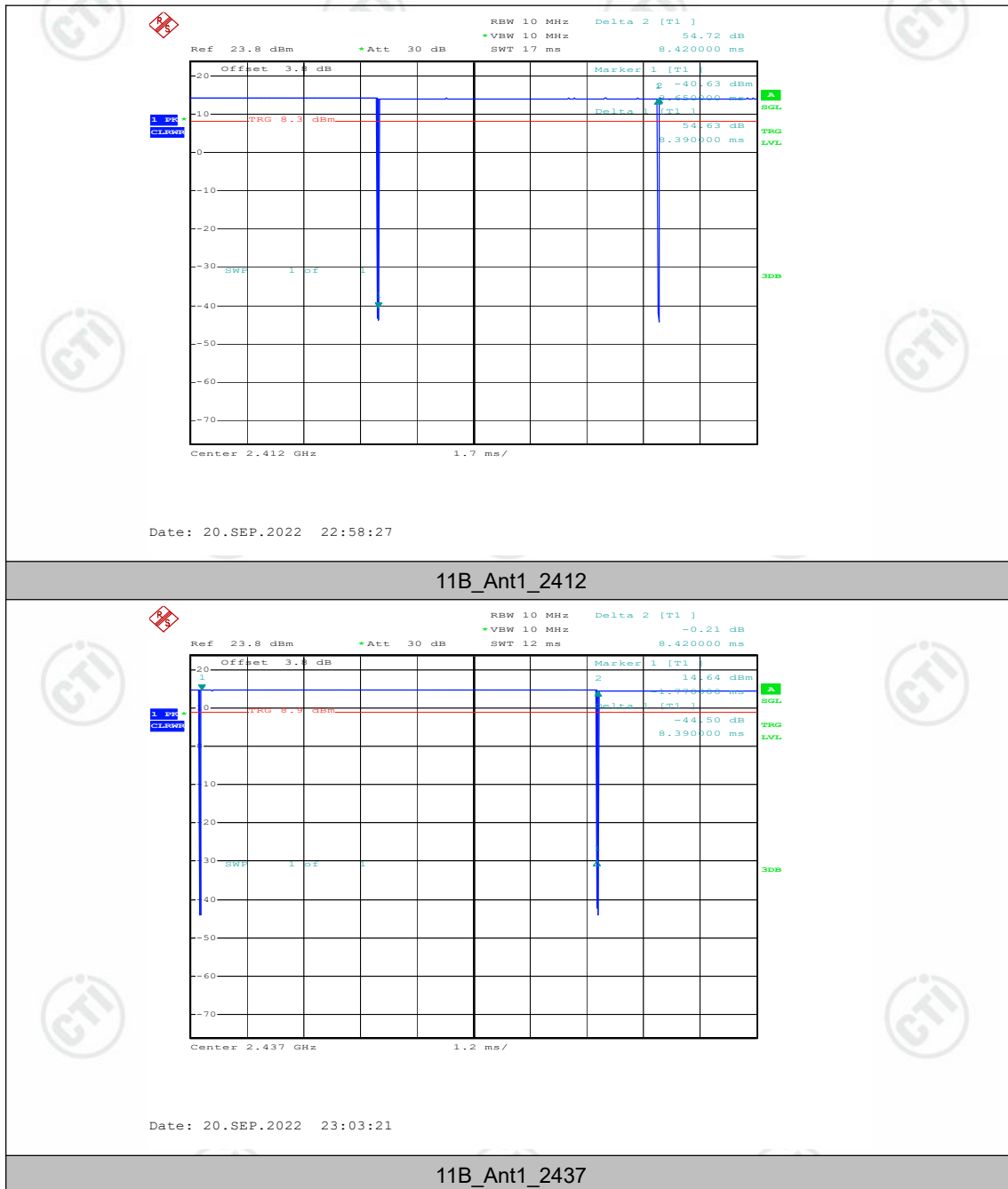


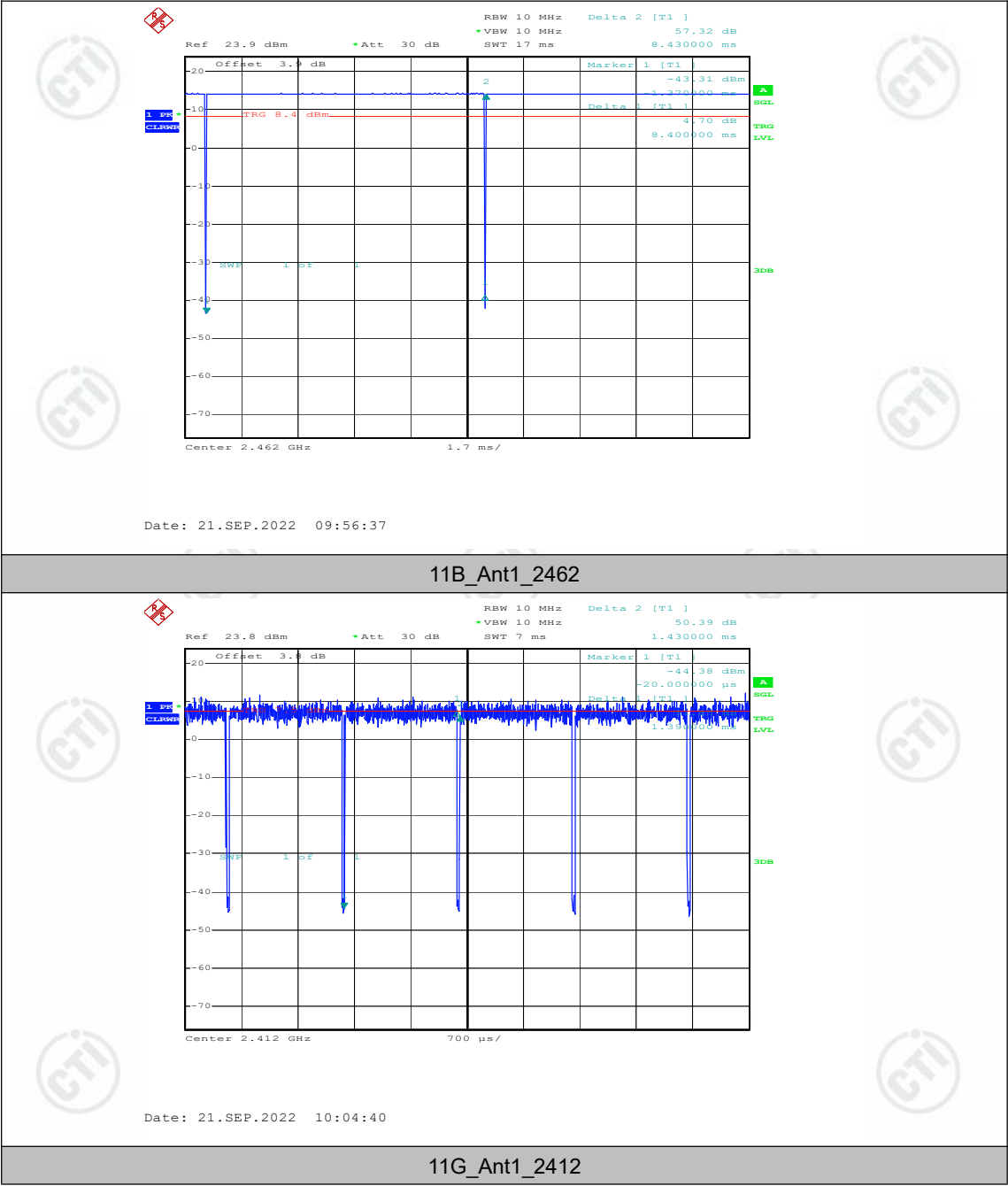
Appendix G: Duty Cycle

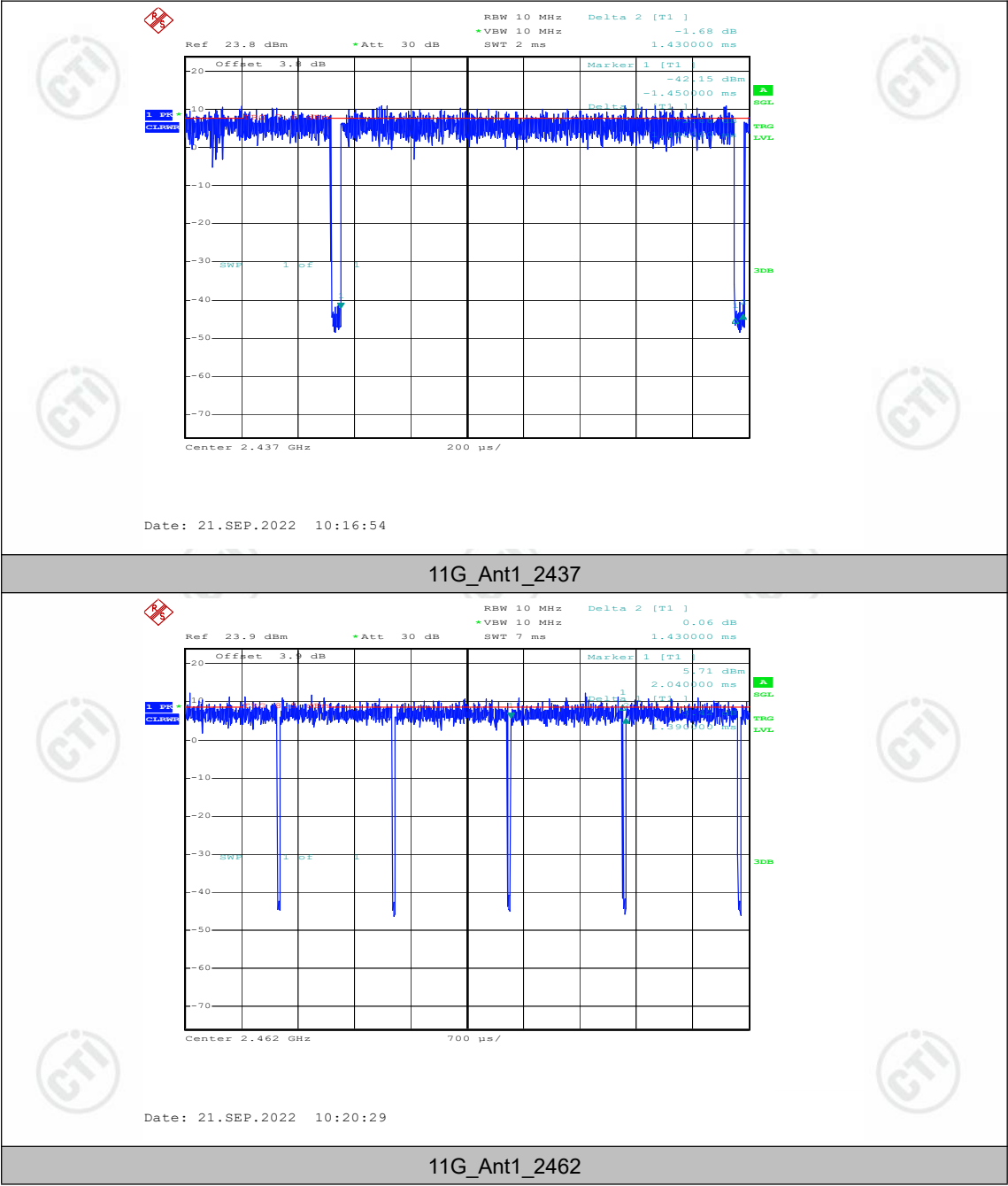
Test Result

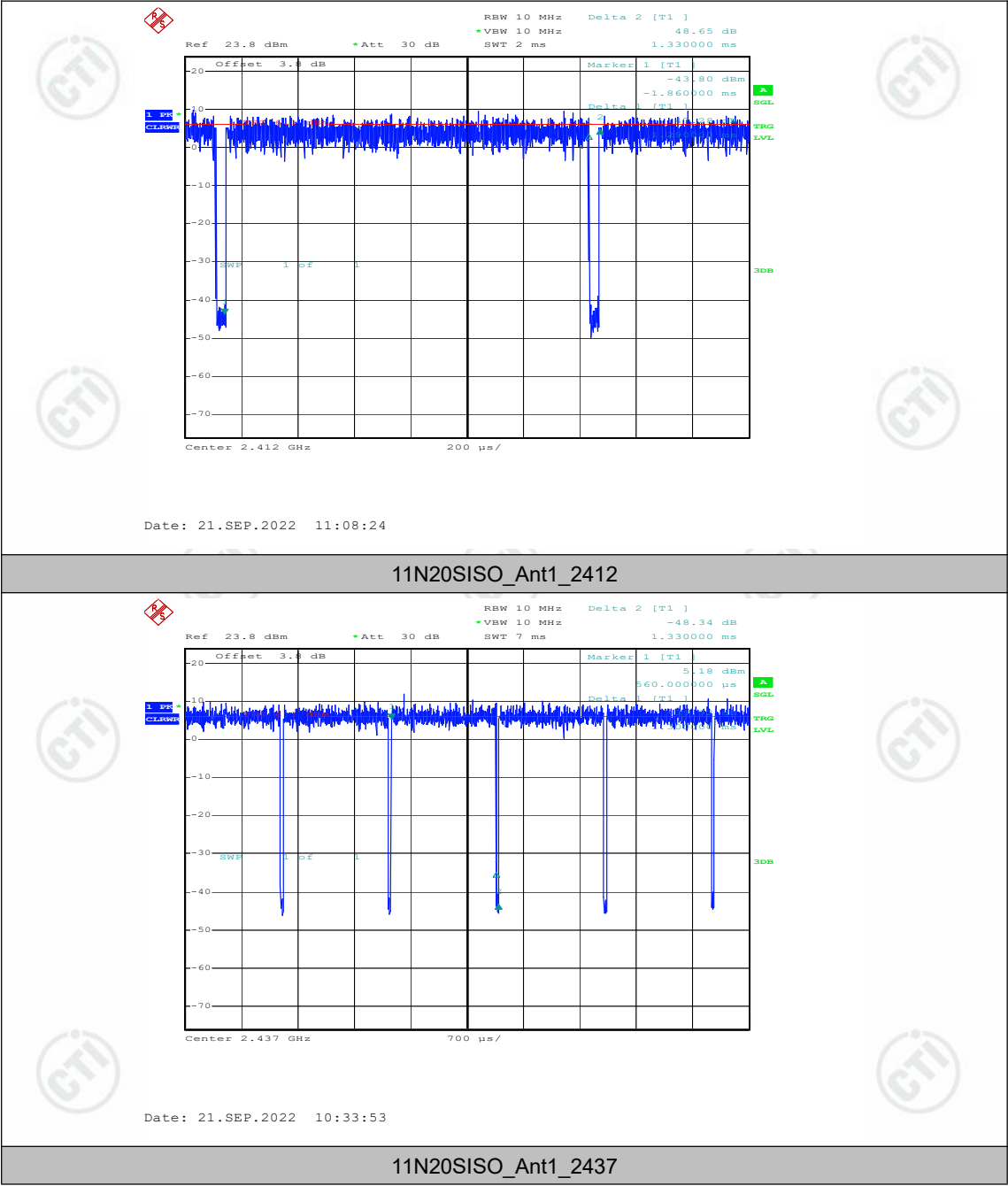
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.39	8.42	99.64
		2437	8.39	8.42	99.64
		2462	8.40	8.43	99.64
11G	Ant1	2412	1.39	1.43	97.20
		2437	1.40	1.43	97.90
		2462	1.39	1.43	97.20
11N20SIS O	Ant1	2412	1.29	1.33	96.99
		2437	1.30	1.33	97.74
		2462	1.29	1.32	97.73
11N40SIS O	Ant1	2422	0.63	0.67	94.03
		2437	0.63	0.67	94.03
		2452	0.64	0.68	94.12

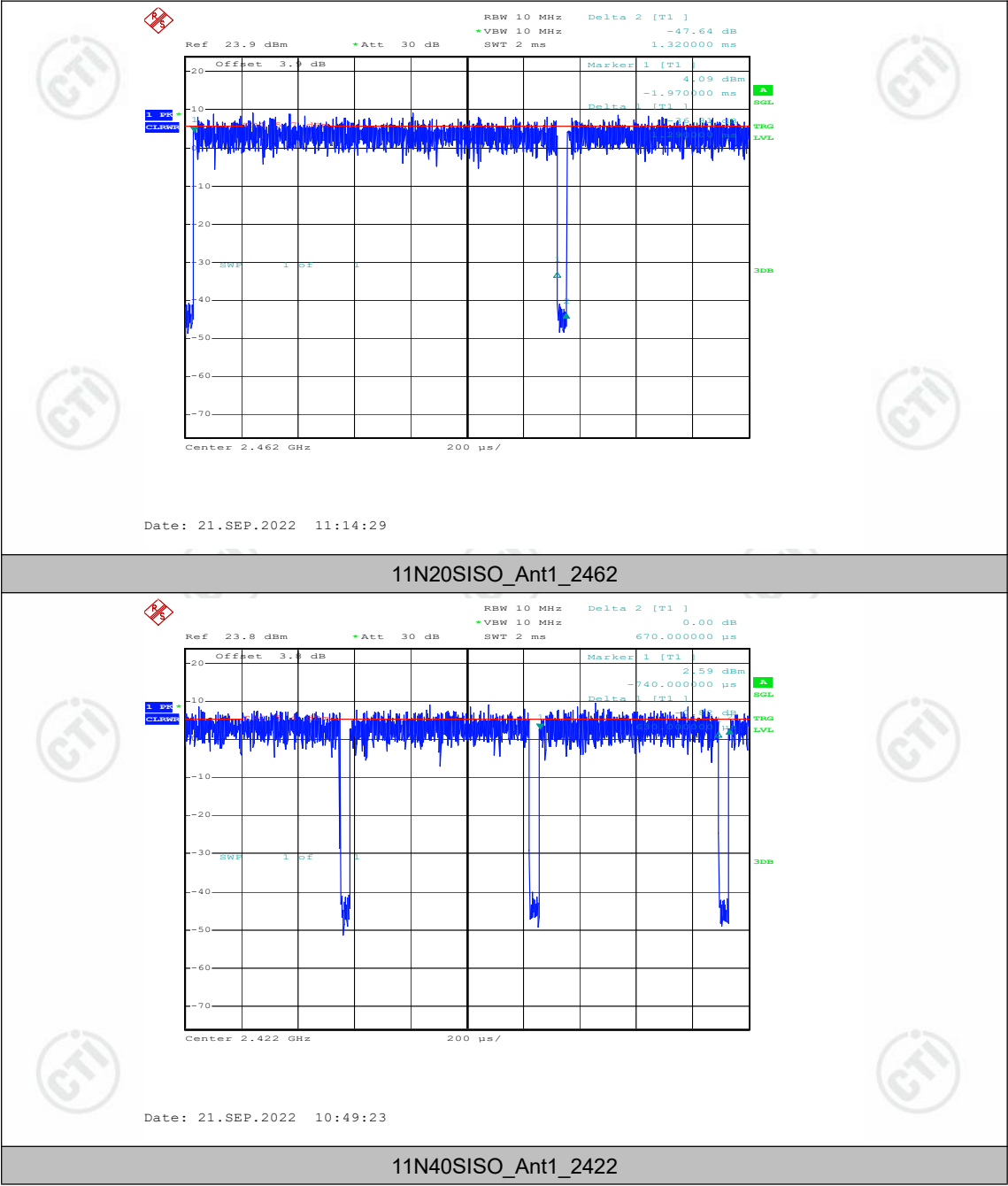
Test Graphs

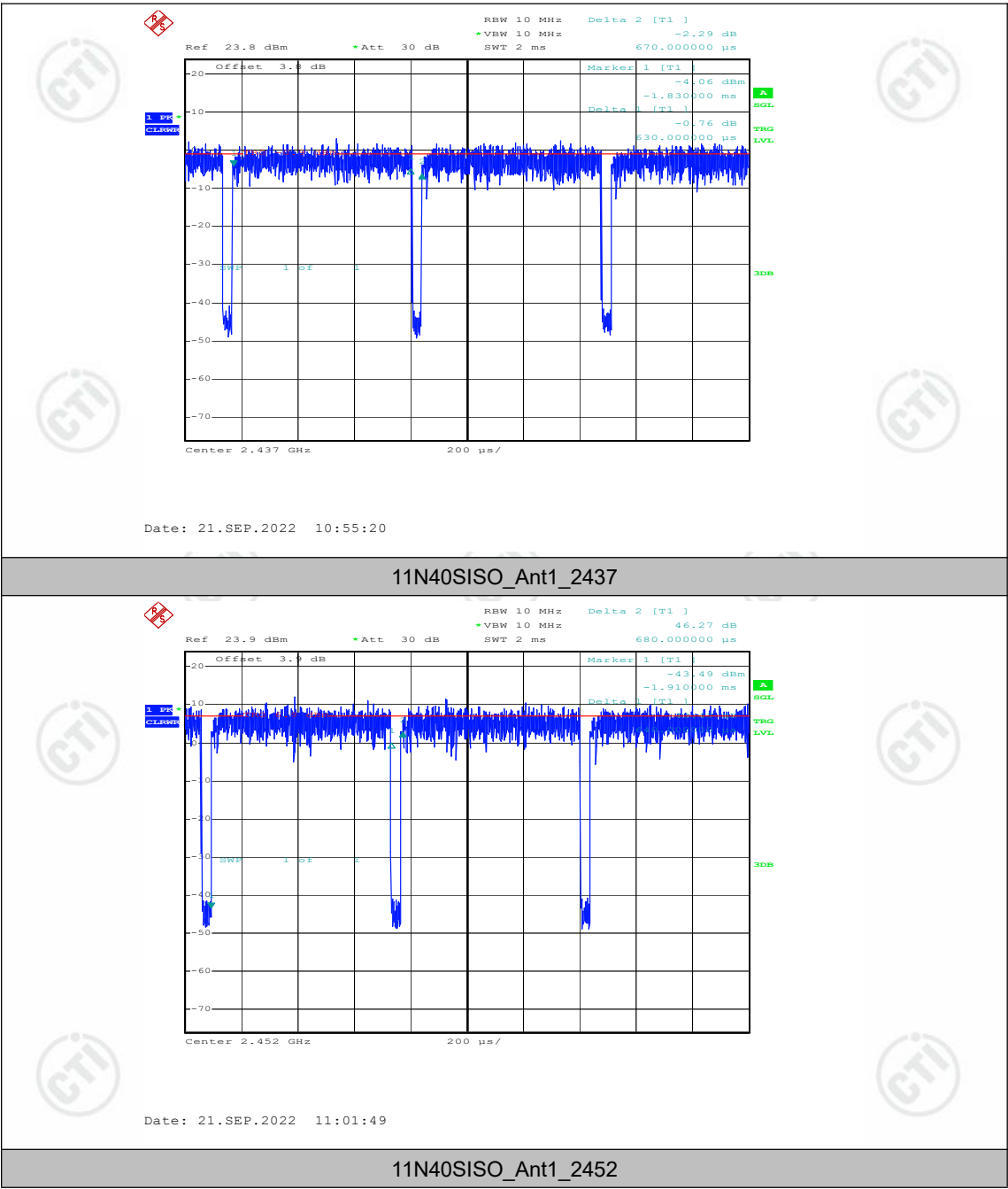












*** End of Report ***