

Appendix:2.4G Wi-Fi

Contents

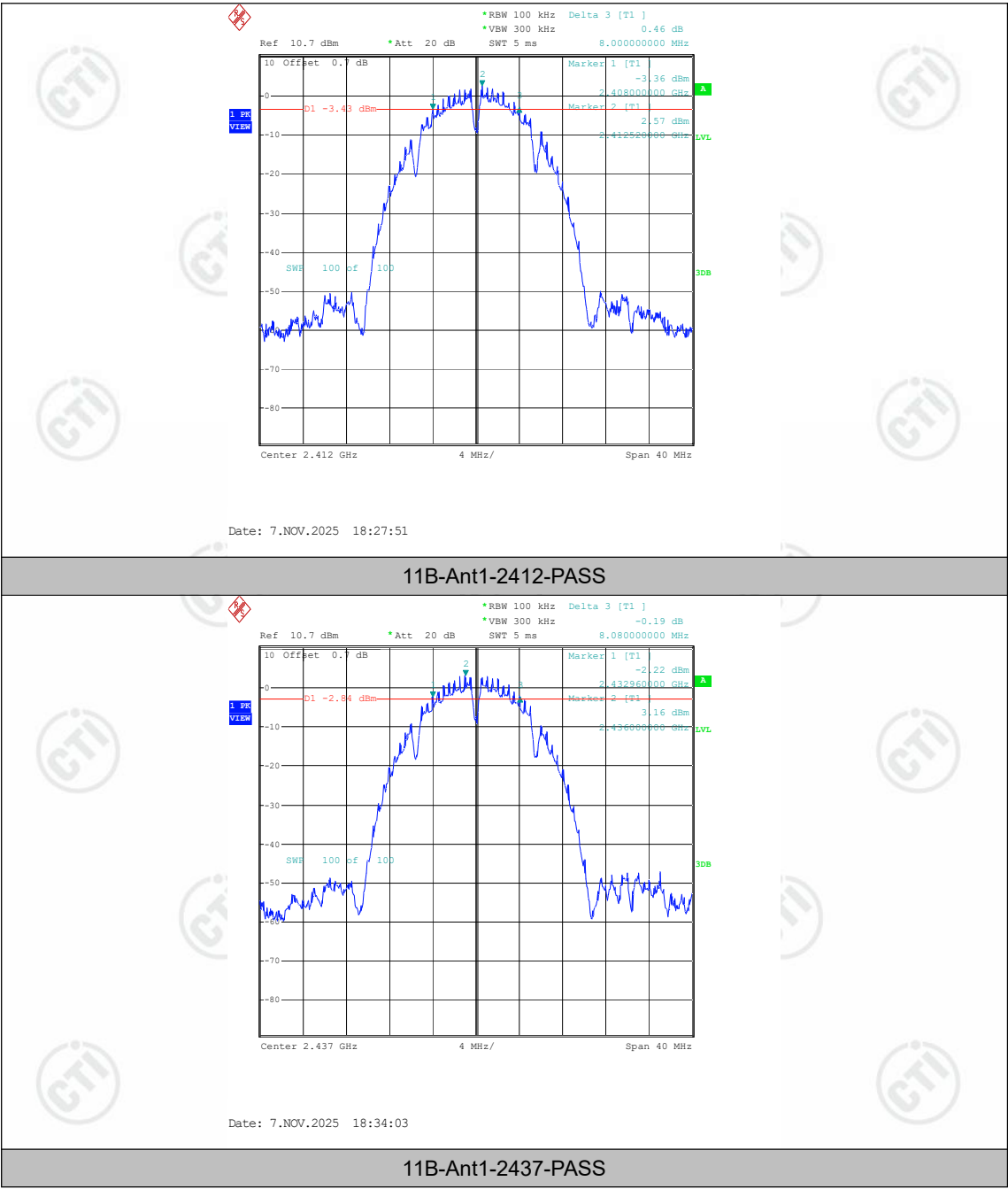
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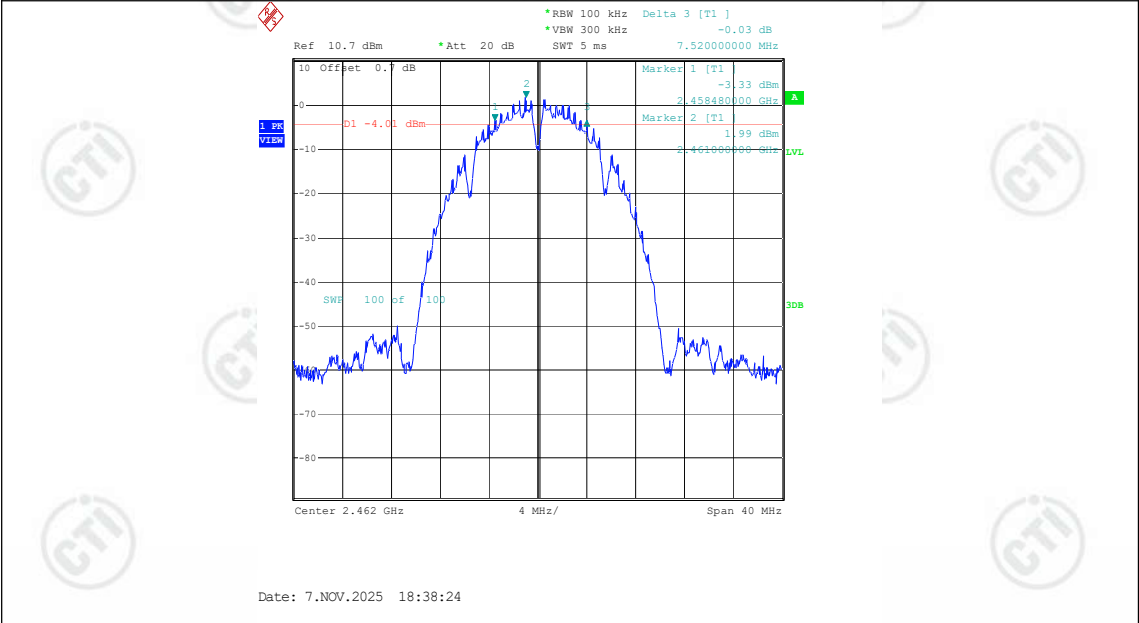
Appendix A: DTS Bandwidth

Test Result

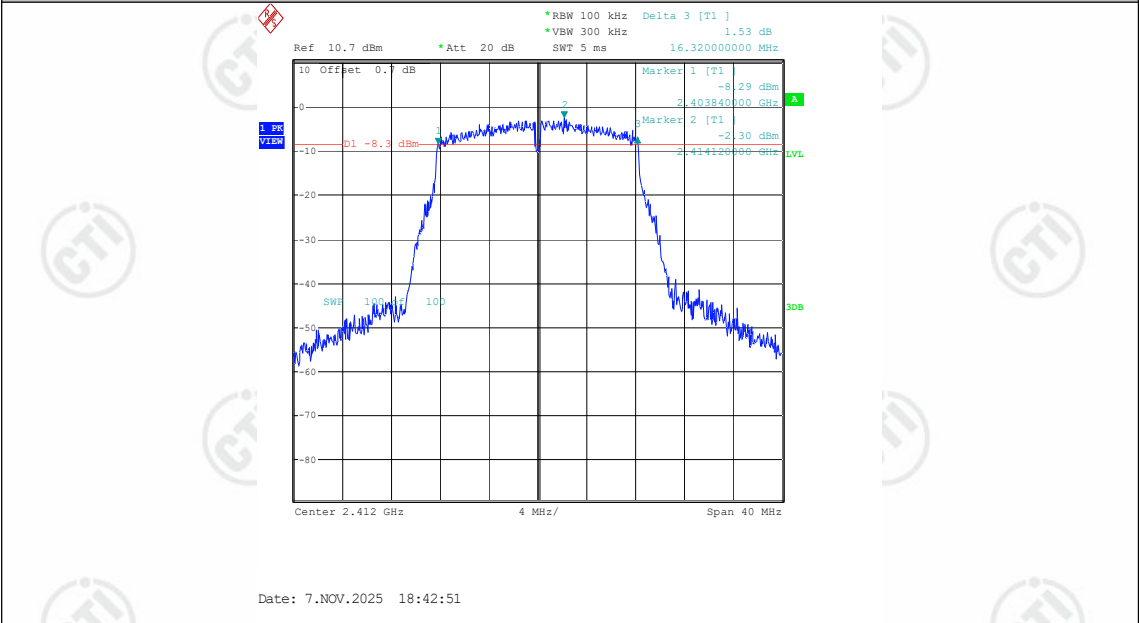
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.00	2408.00	2416.00	0.5	PASS
11B	Ant1	2437	8.08	2432.96	2441.04	0.5	PASS
11B	Ant1	2462	7.52	2458.48	2466.00	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
11G	Ant1	2437	16.36	2428.84	2445.20	0.5	PASS
11G	Ant1	2462	16.36	2453.84	2470.20	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.20	2420.84	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.20	2445.80	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.20	2470.80	0.5	PASS
11N40SISO	Ant1	2422	35.28	2404.88	2440.16	0.5	PASS
11N40SISO	Ant1	2437	36.40	2418.84	2455.24	0.5	PASS
11N40SISO	Ant1	2452	33.68	2434.24	2467.92	0.5	PASS

Test Graphs

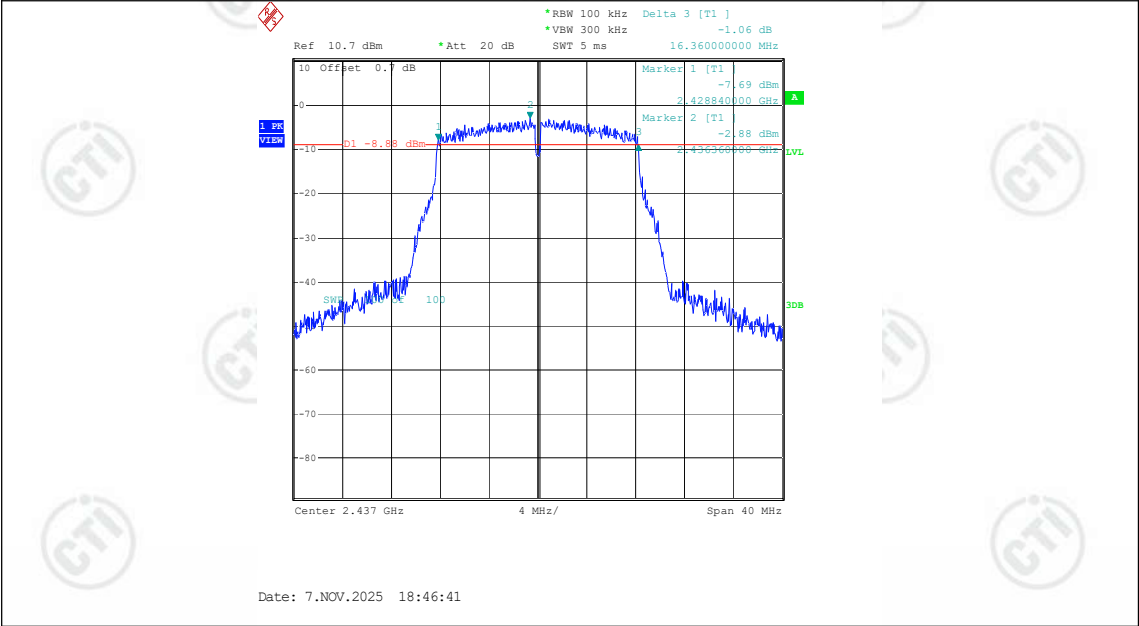




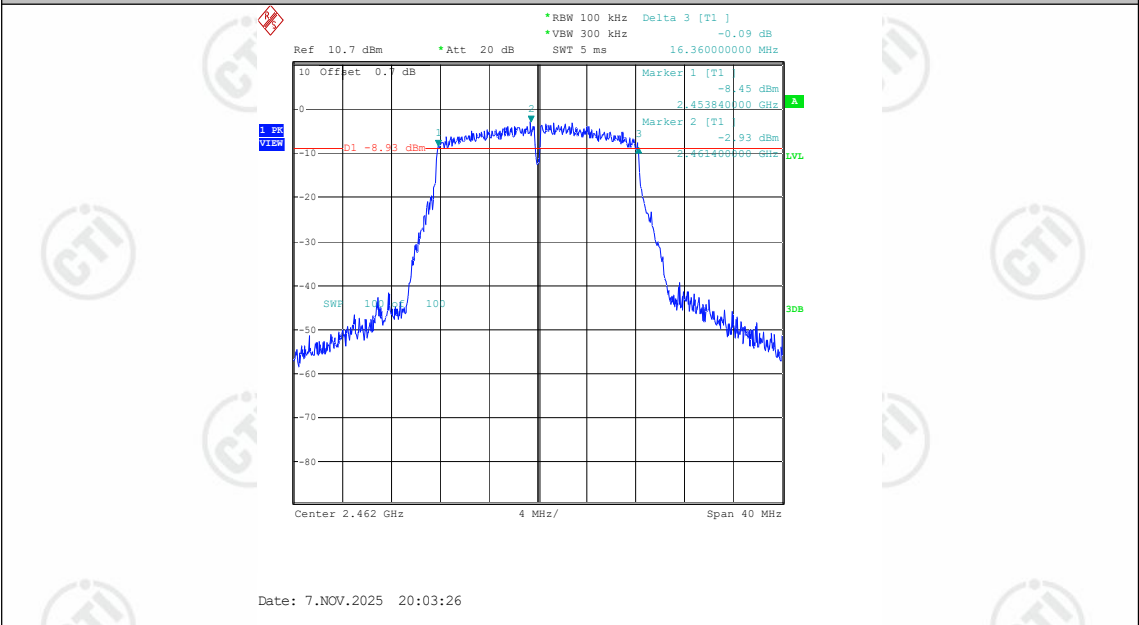
11B-Ant1-2462-PASS



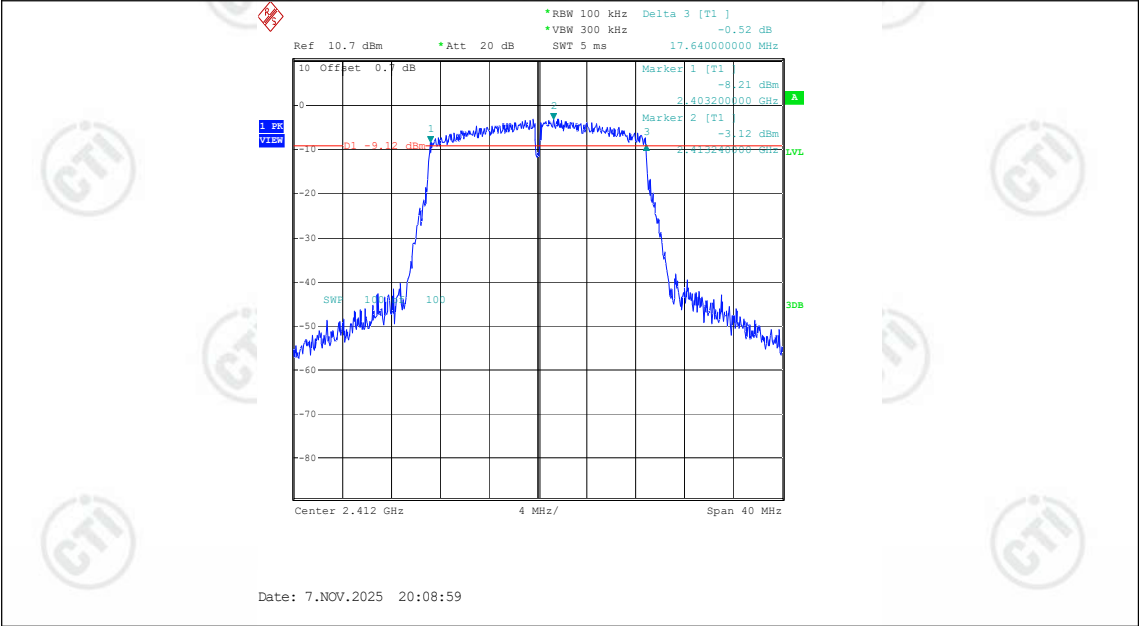
11G-Ant1-2412-PASS



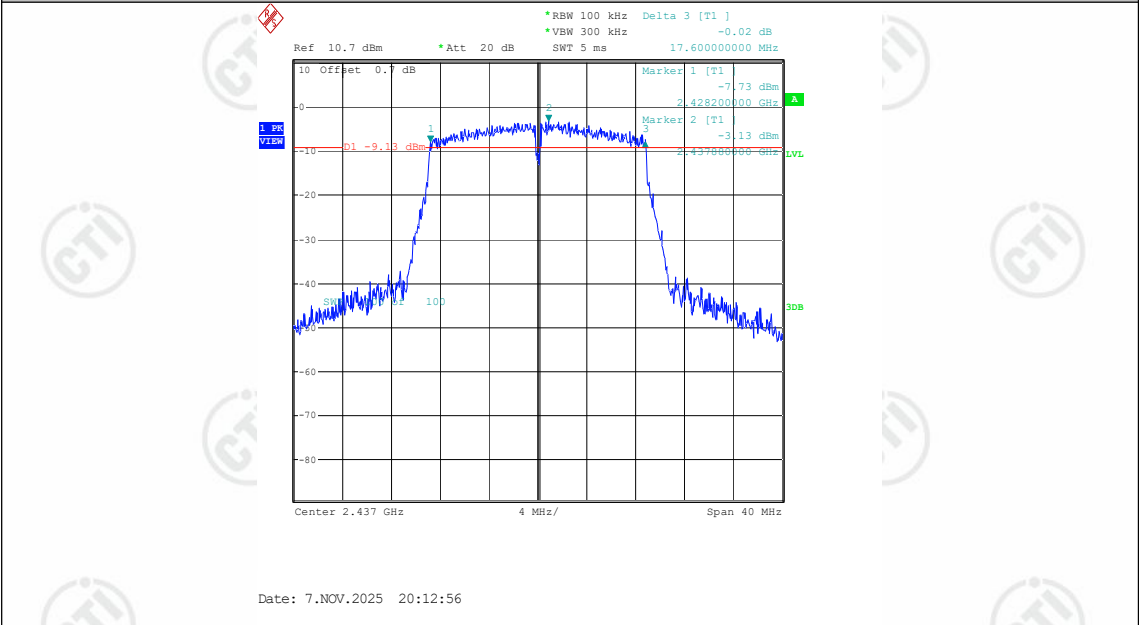
11G-Ant1-2437-PASS



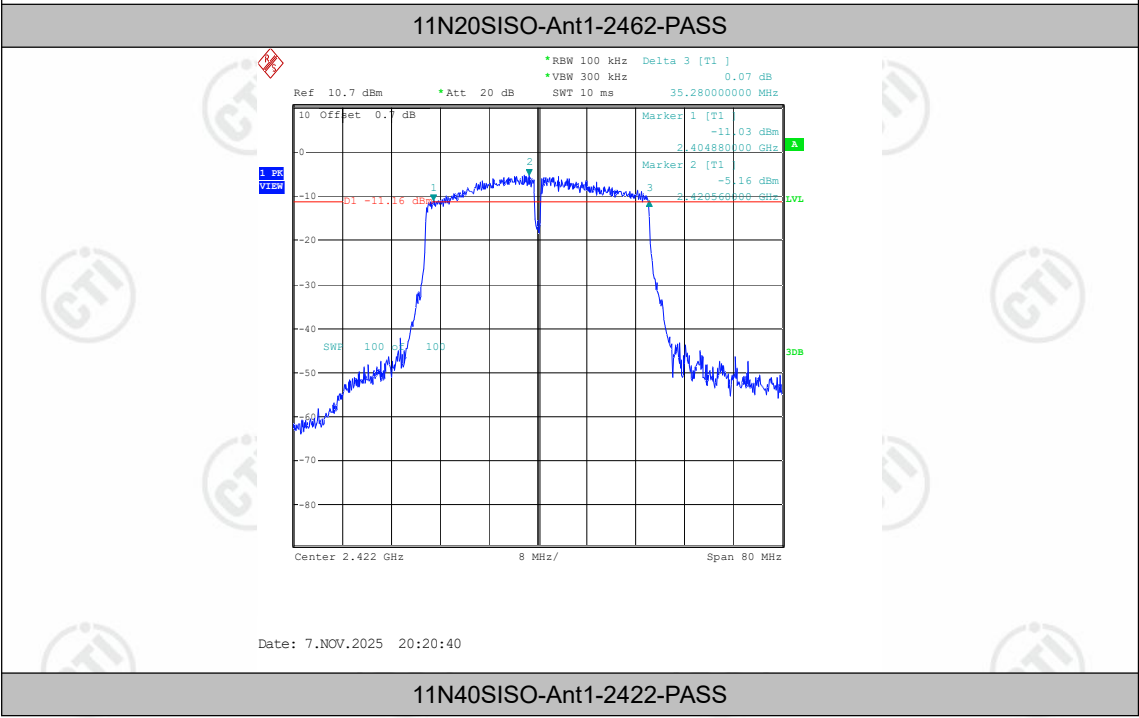
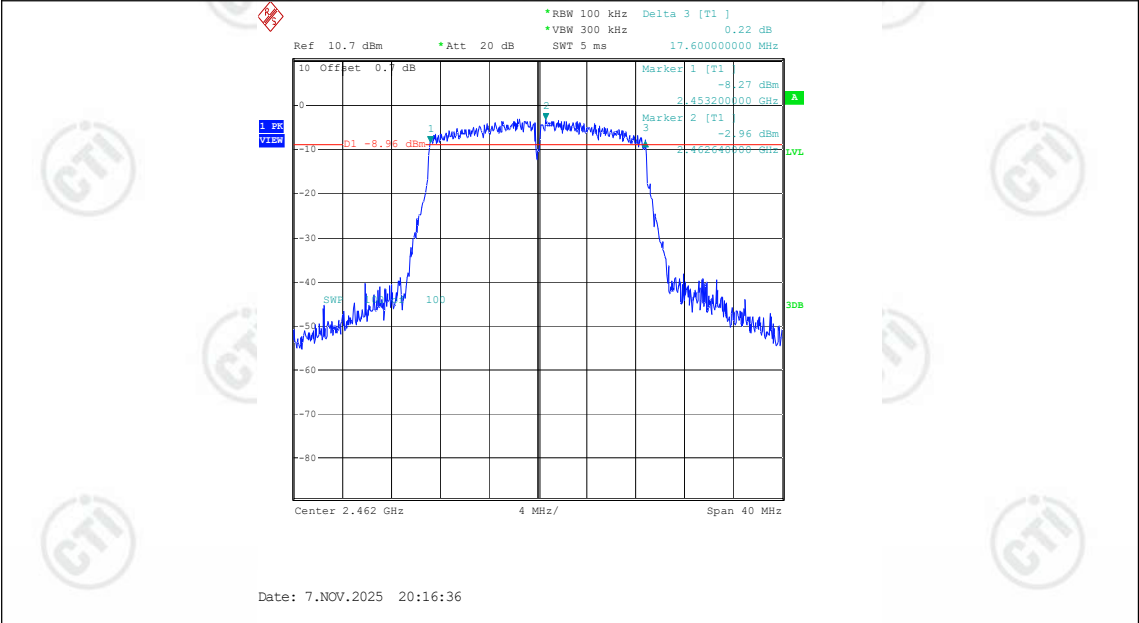
11G-Ant1-2462-PASS

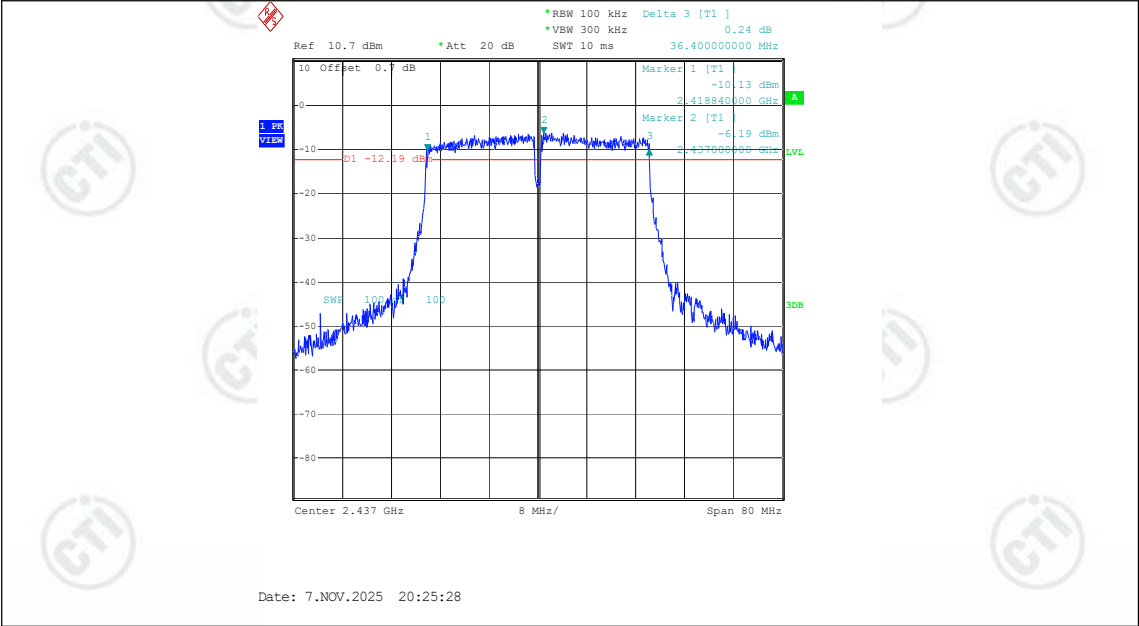


11N20SISO-Ant1-2412-PASS

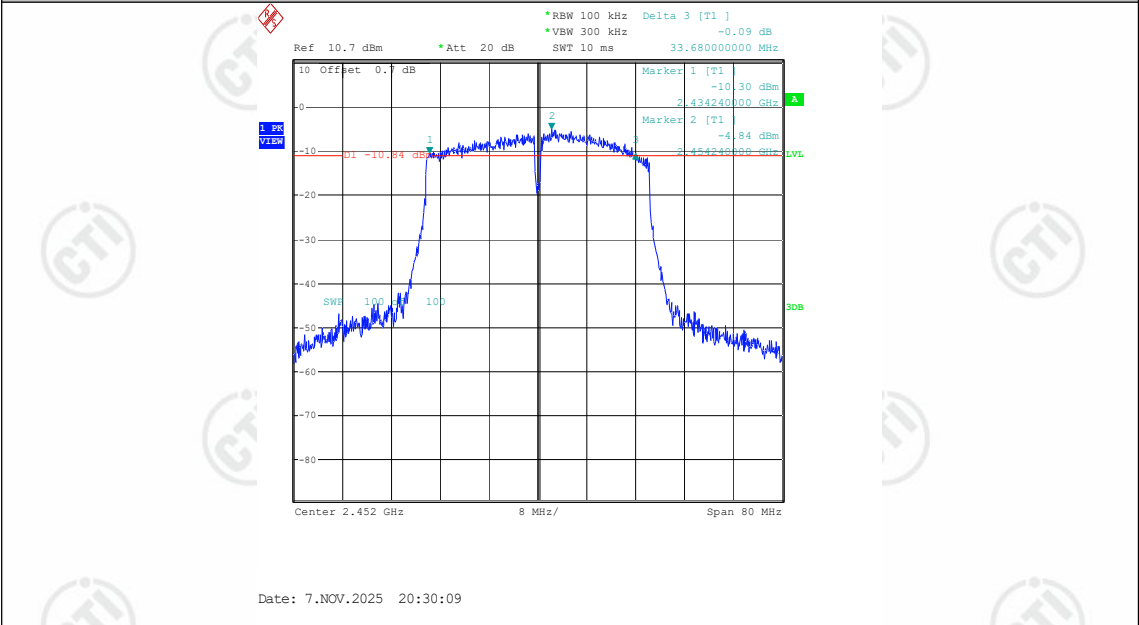


11N20SISO-Ant1-2437-PASS





11N40SISO-Ant1-2437-PASS



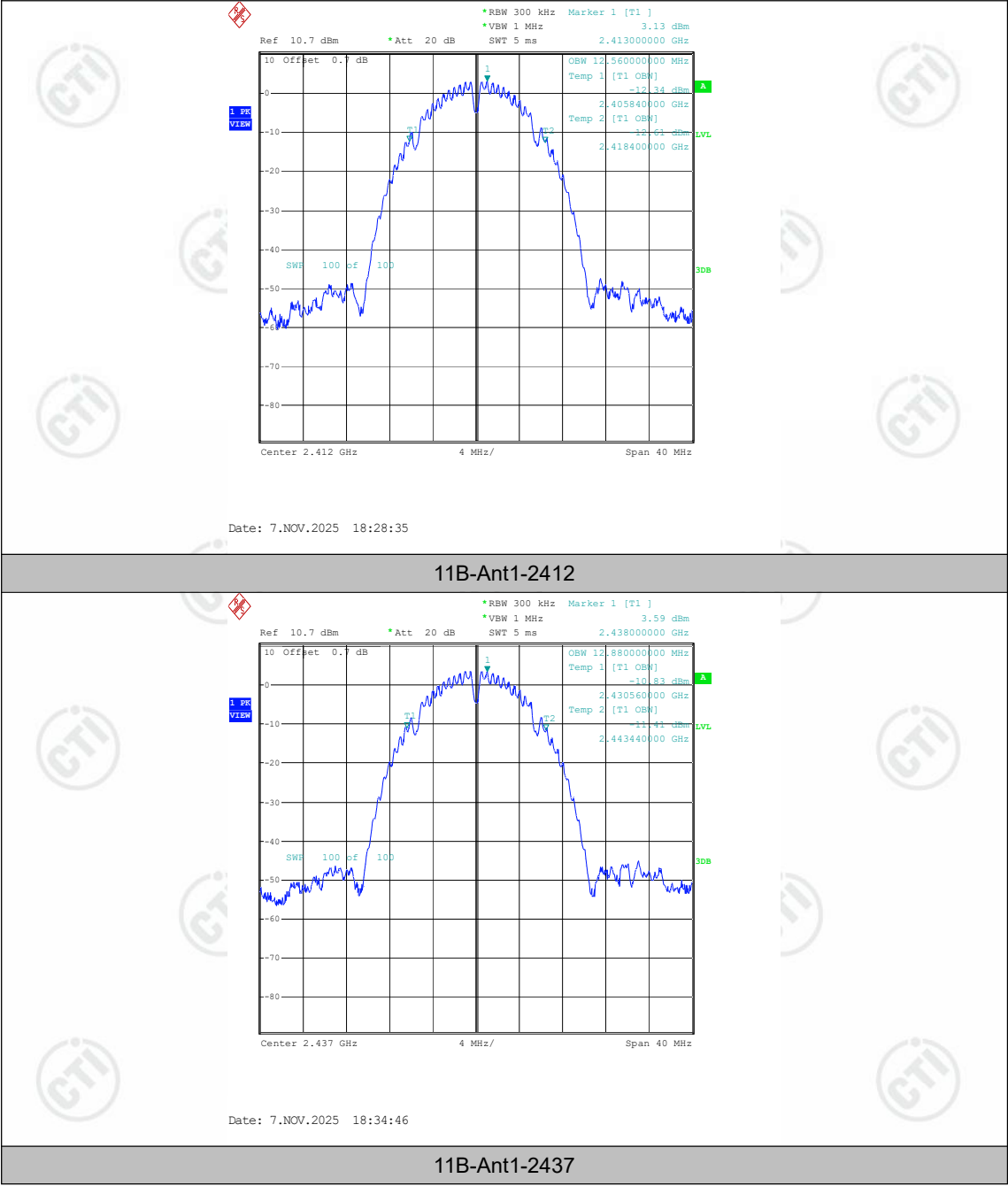
11N40SISO-Ant1-2452-PASS

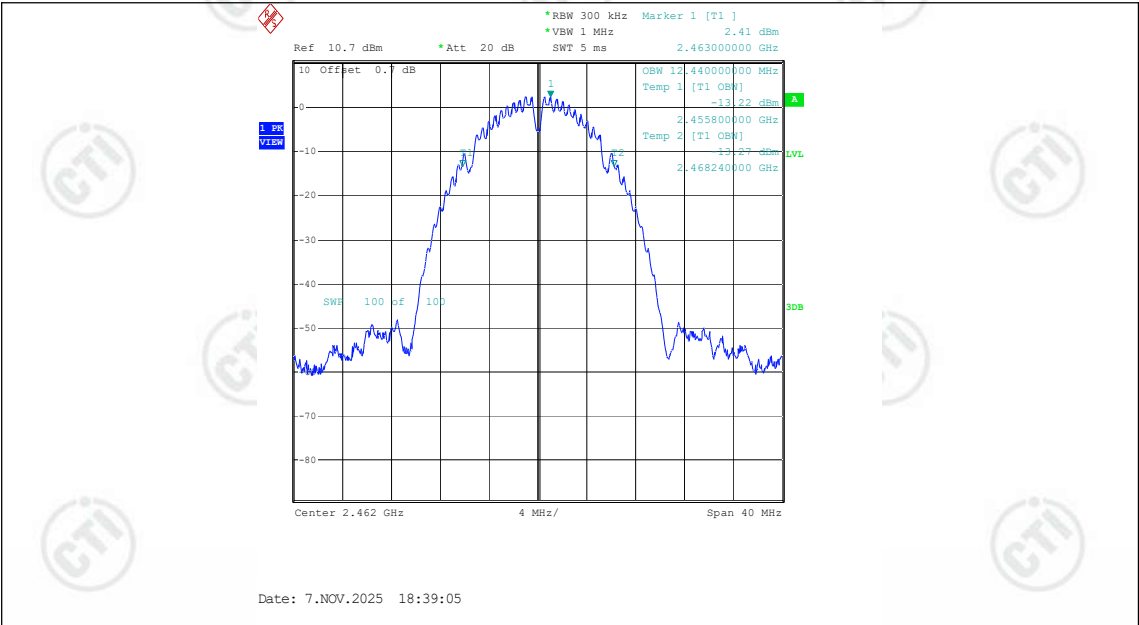
Appendix B: Occupied Channel Bandwidth

Test Result

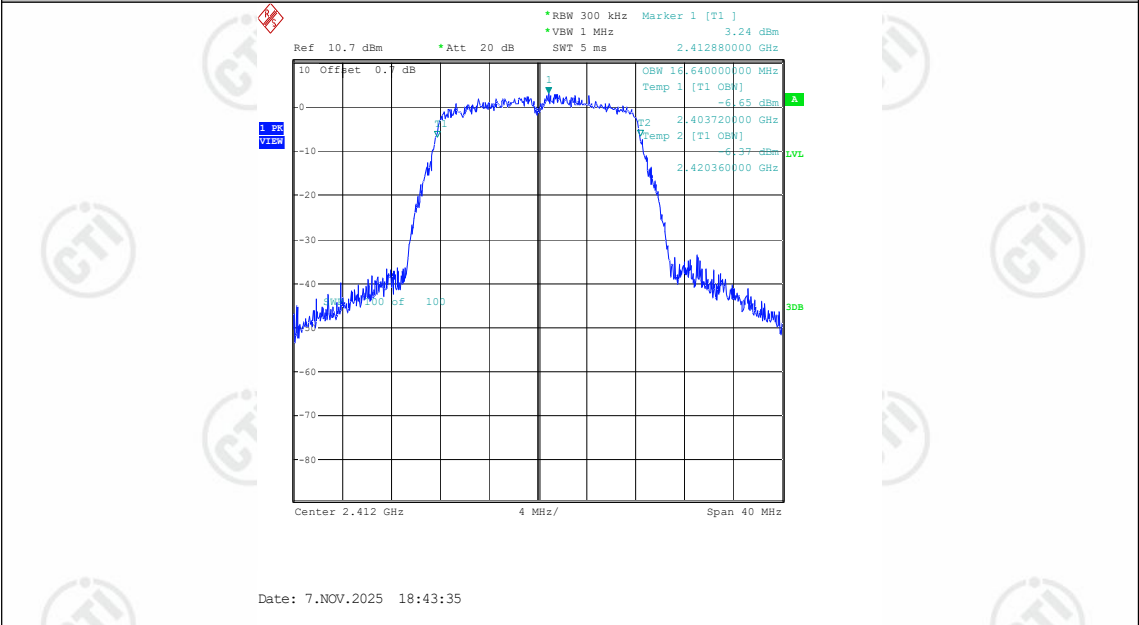
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.560	---	---
11B	Ant1	2437	12.880	---	---
11B	Ant1	2462	12.440	---	---
11G	Ant1	2412	16.640	---	---
11G	Ant1	2437	16.720	---	---
11G	Ant1	2462	16.720	---	---
11N20SISO	Ant1	2412	17.720	---	---
11N20SISO	Ant1	2437	17.800	---	---
11N20SISO	Ant1	2462	17.720	---	---
11N40SISO	Ant1	2422	36.320	---	---
11N40SISO	Ant1	2437	36.960	---	---
11N40SISO	Ant1	2452	36.080	---	---

Test Graphs

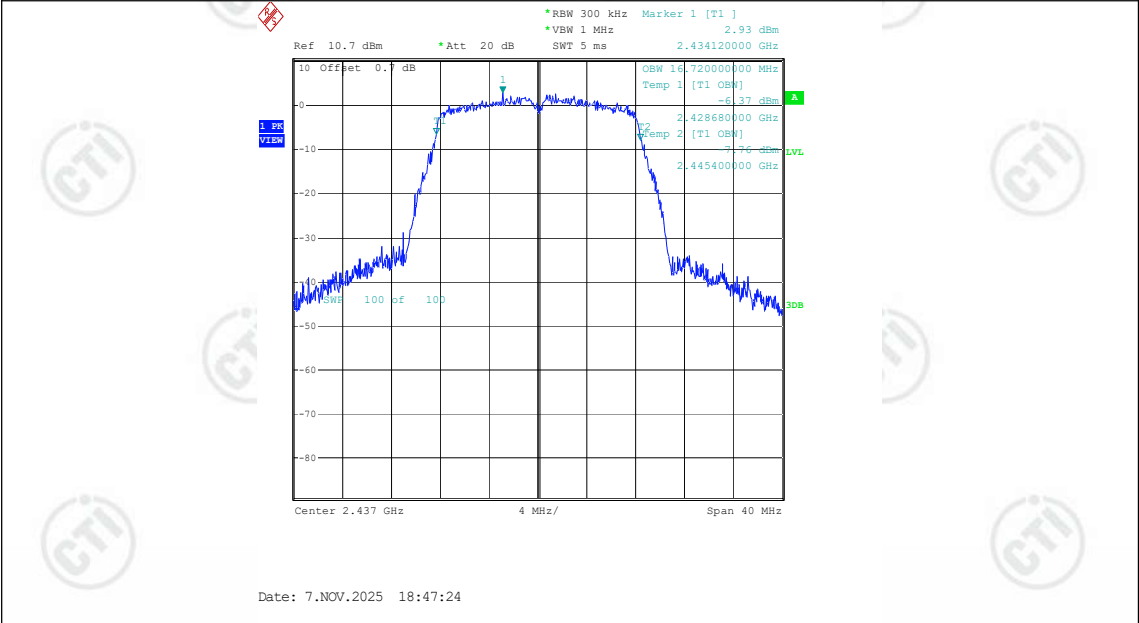




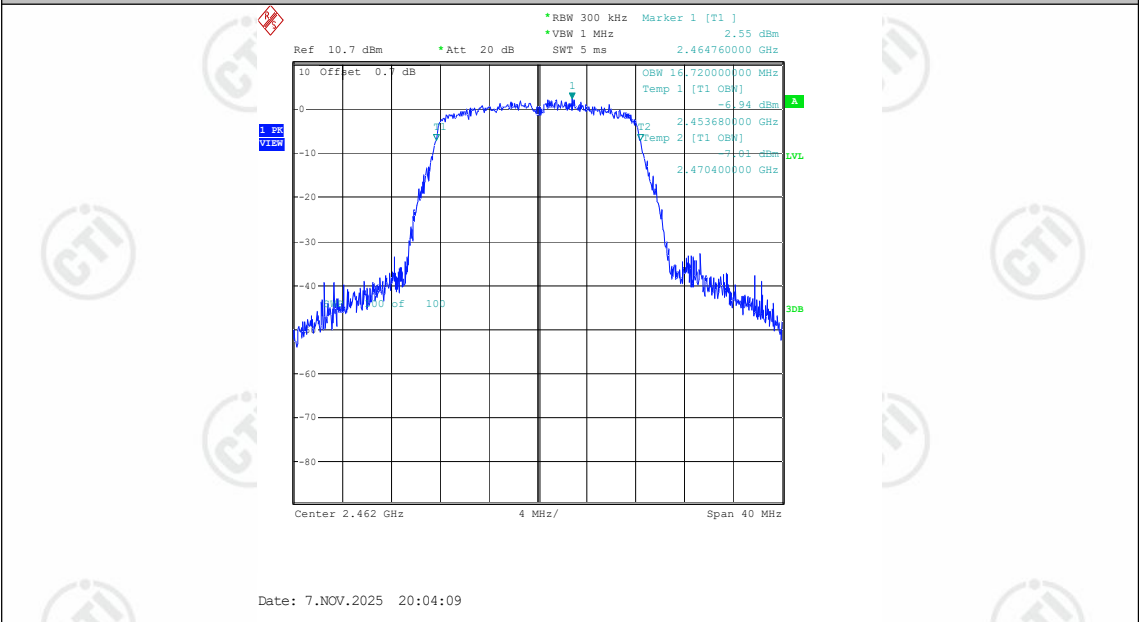
11B-Ant1-2462



11G-Ant1-2412



11G-Ant1-2437

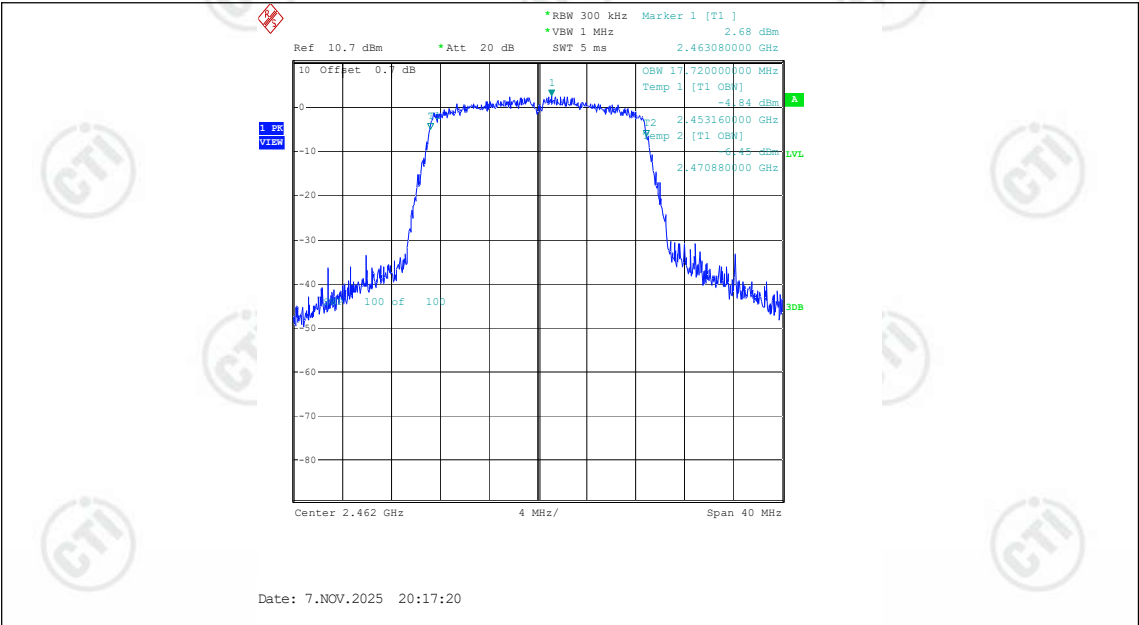


11G-Ant1-2462

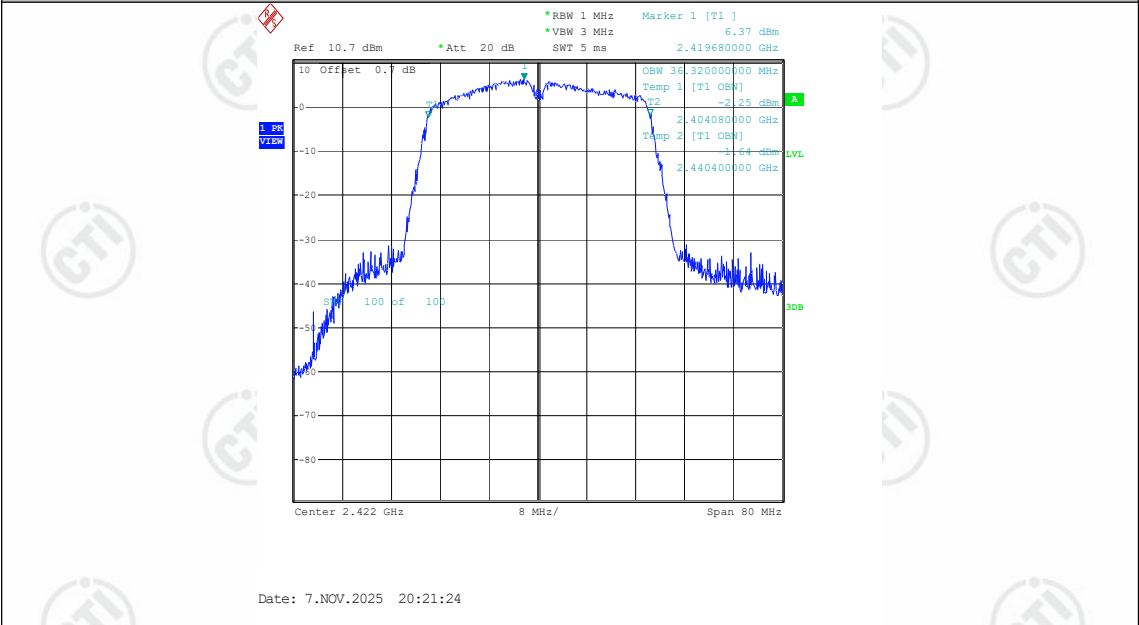


Date: 7.NOV.2025 20:13:39

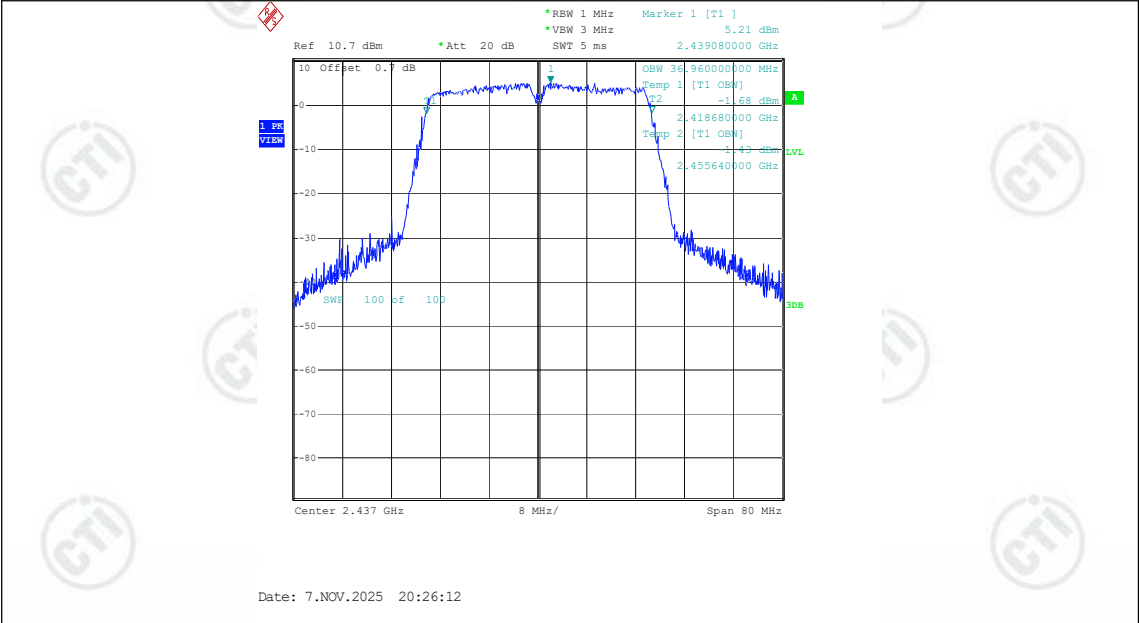
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



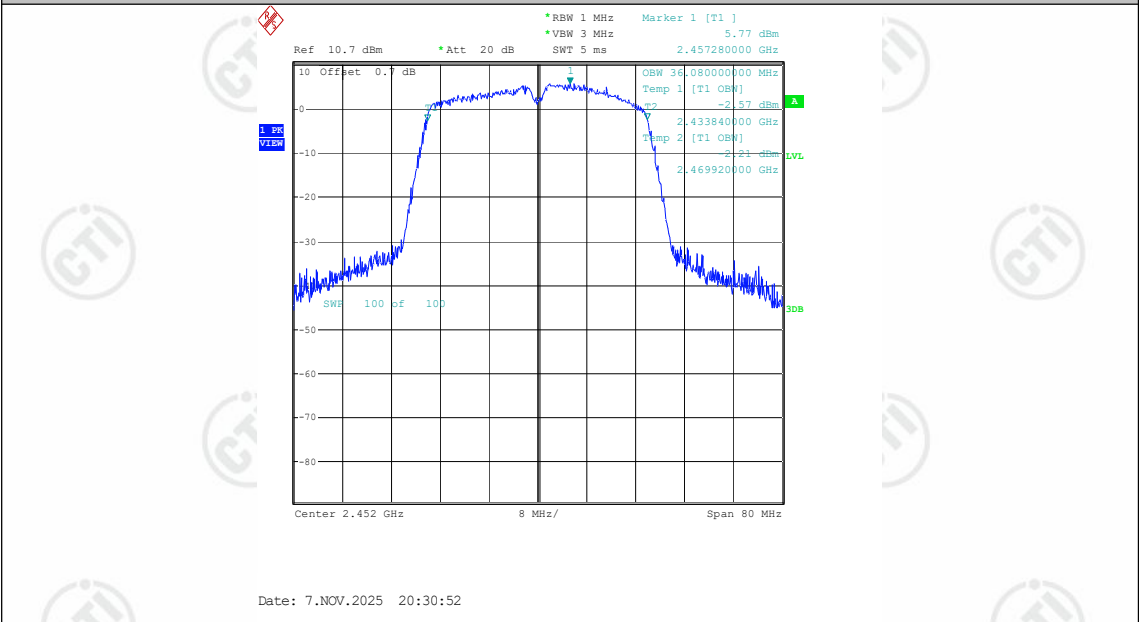
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

Appendix C: Maximum conducted output power

Test Result

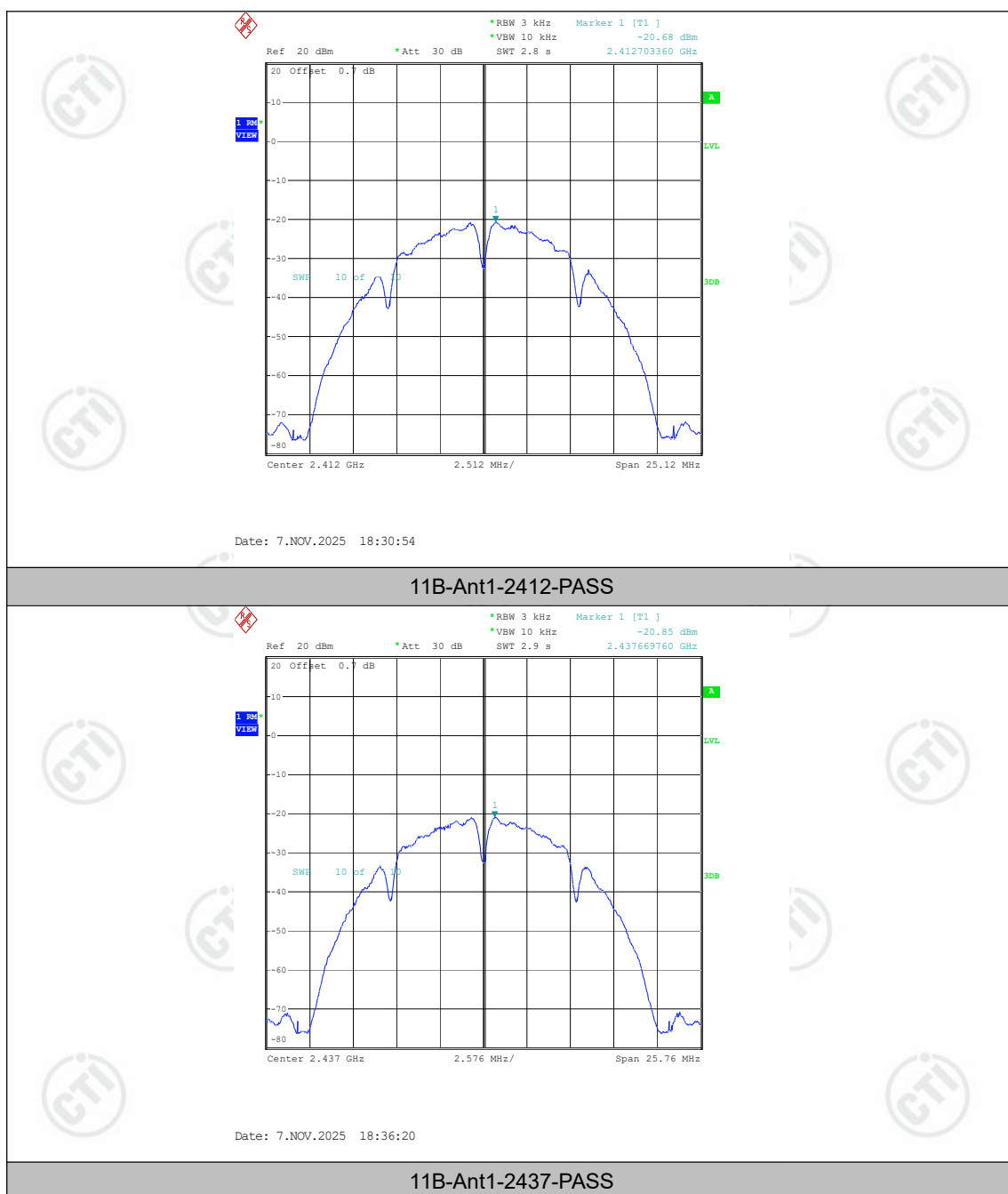
TestMode	Antenna	Frequency[MHz]	Conducted Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	10.38	≤30.00	12.14	≤36.00	PASS
11B	Ant1	2437	10.46	≤30.00	12.22	≤36.00	PASS
11B	Ant1	2462	10.19	≤30.00	11.95	≤36.00	PASS
11G	Ant1	2412	10.39	≤30.00	12.15	≤36.00	PASS
11G	Ant1	2437	10.32	≤30.00	12.08	≤36.00	PASS
11G	Ant1	2462	10.50	≤30.00	12.26	≤36.00	PASS
11N20SISO	Ant1	2412	10.44	≤30.00	12.20	≤36.00	PASS
11N20SISO	Ant1	2437	10.40	≤30.00	12.16	≤36.00	PASS
11N20SISO	Ant1	2462	10.37	≤30.00	12.13	≤36.00	PASS
11N40SISO	Ant1	2422	10.56	≤30.00	12.32	≤36.00	PASS
11N40SISO	Ant1	2437	10.51	≤30.00	12.27	≤36.00	PASS
11N40SISO	Ant1	2452	10.23	≤30.00	11.99	≤36.00	PASS

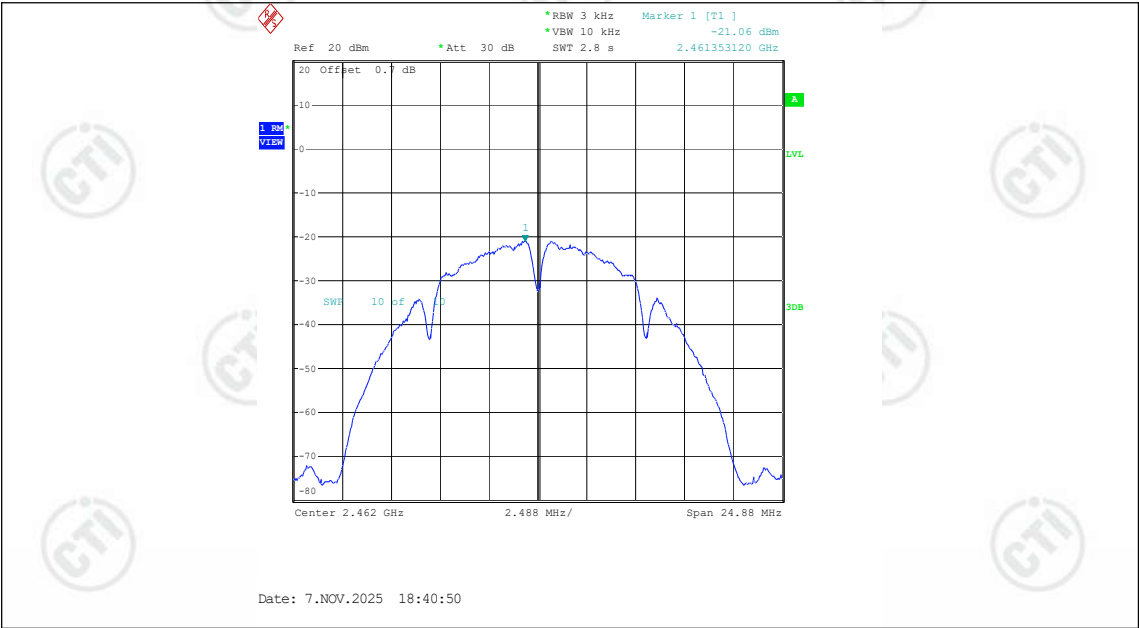
Appendix D: Maximum power spectral density

Test Result

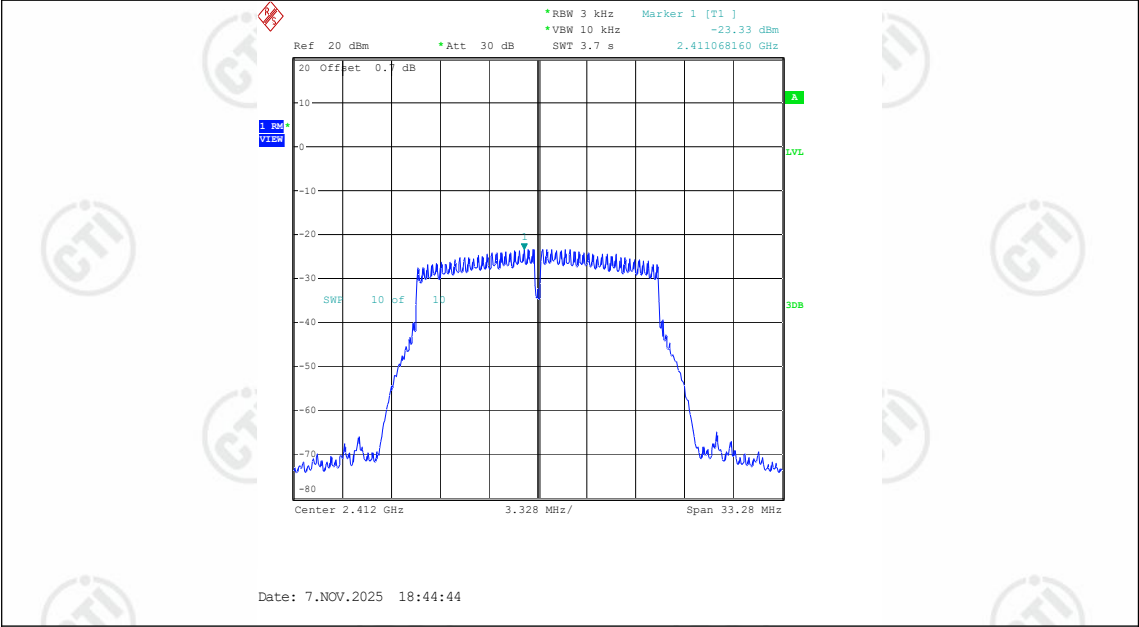
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-20.68	≤8.00	PASS
11B	Ant1	2437	-20.85	≤8.00	PASS
11B	Ant1	2462	-21.06	≤8.00	PASS
11G	Ant1	2412	-23.33	≤8.00	PASS
11G	Ant1	2437	-23.42	≤8.00	PASS
11G	Ant1	2462	-23.34	≤8.00	PASS
11N20SISO	Ant1	2412	-23.22	≤8.00	PASS
11N20SISO	Ant1	2437	-23.81	≤8.00	PASS
11N20SISO	Ant1	2462	-23.43	≤8.00	PASS
11N40SISO	Ant1	2422	-26.03	≤8.00	PASS
11N40SISO	Ant1	2437	-27.15	≤8.00	PASS
11N40SISO	Ant1	2452	-26.52	≤8.00	PASS

Test Graphs

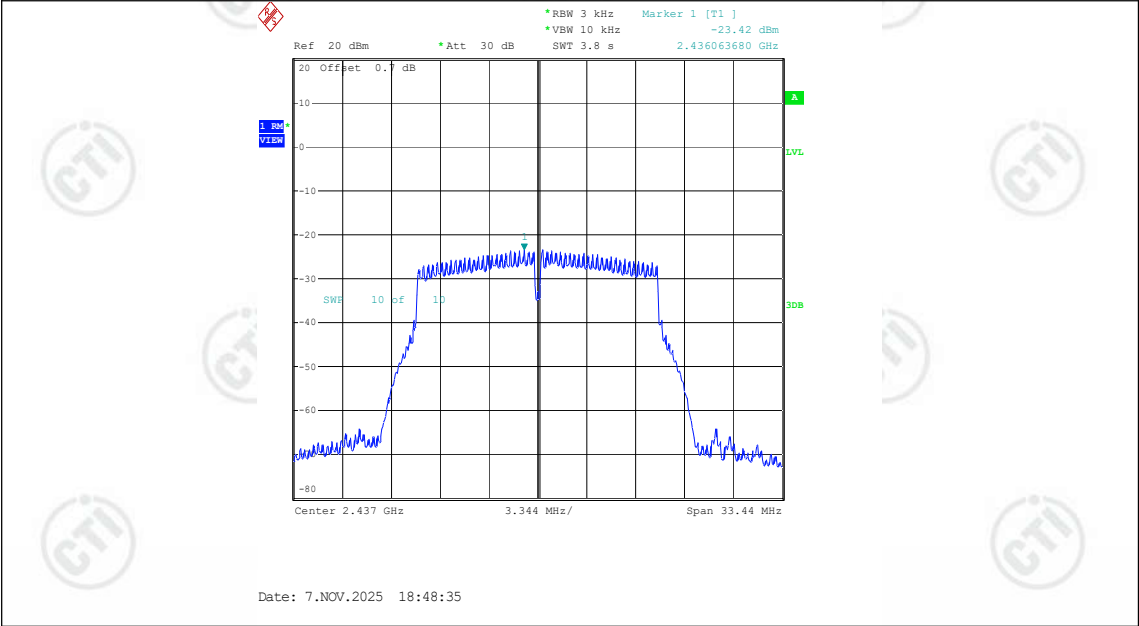




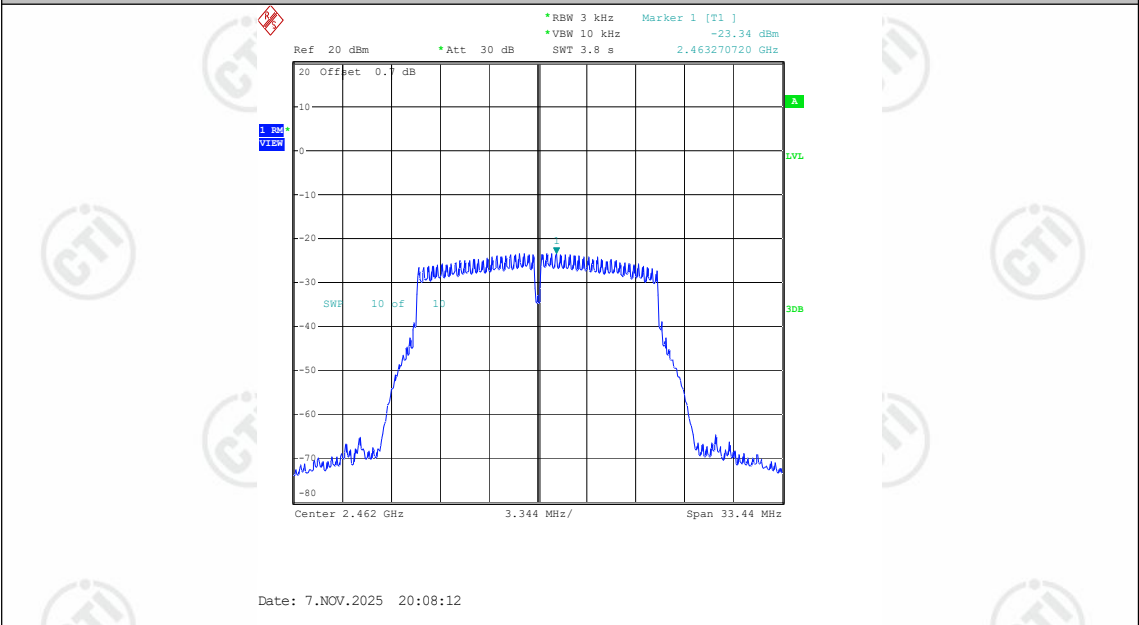
11B-Ant1-2462-PASS



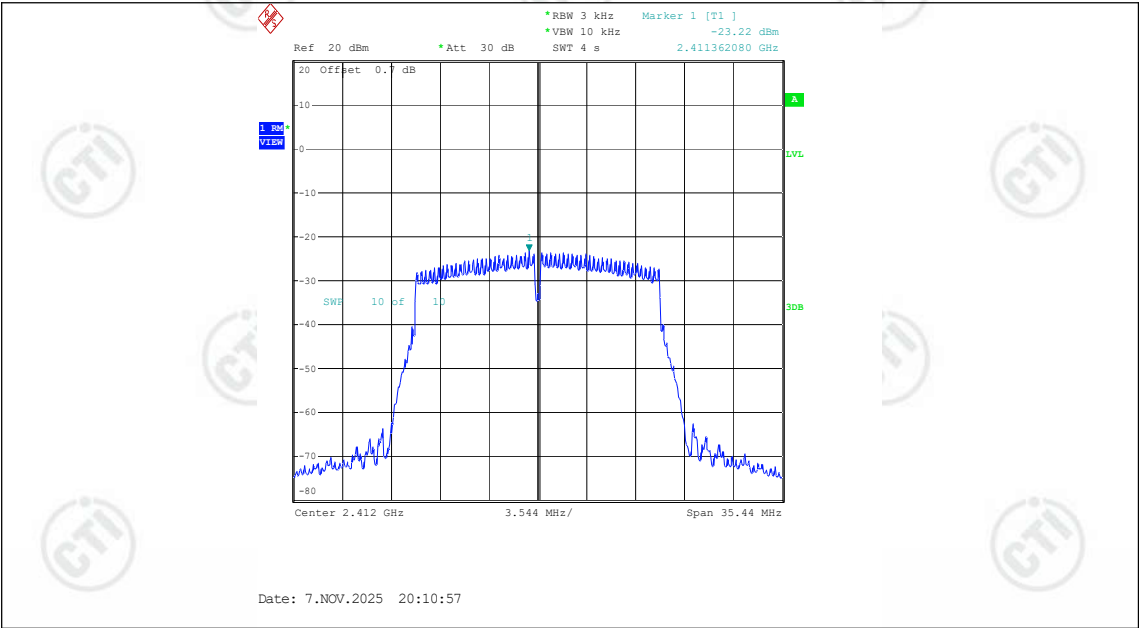
11G-Ant1-2412-PASS



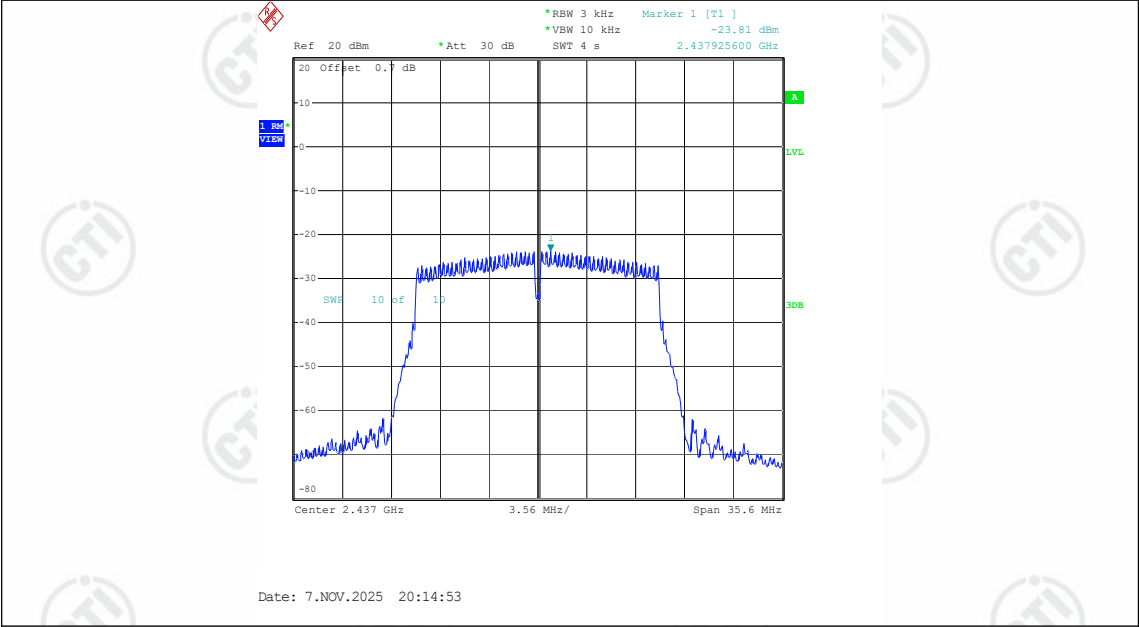
11G-Ant1-2437-PASS



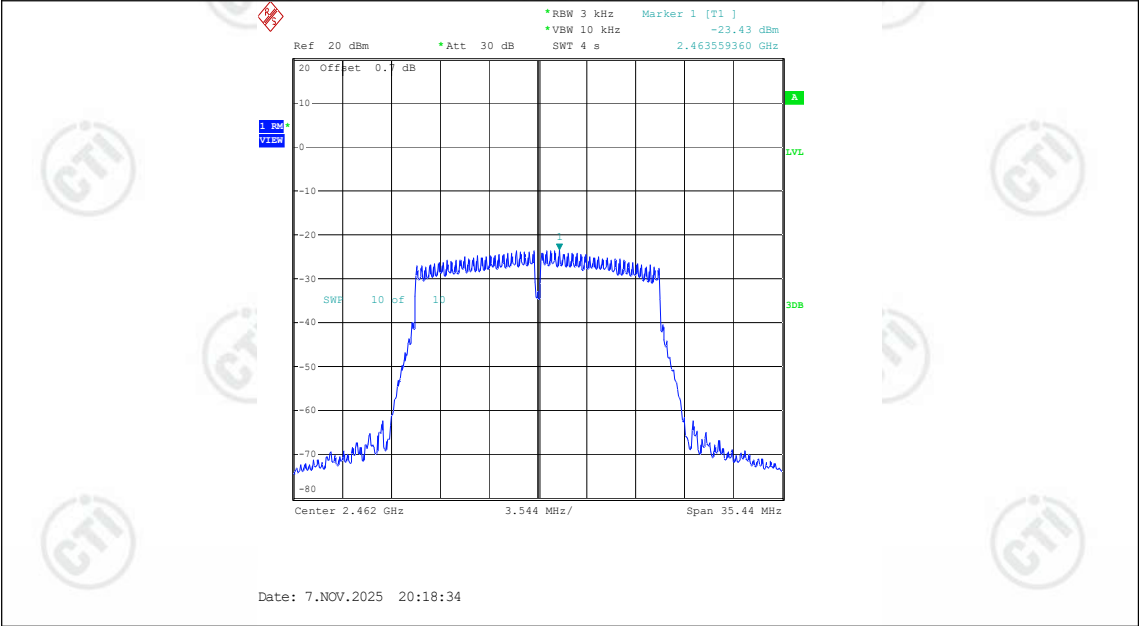
11G-Ant1-2462-PASS



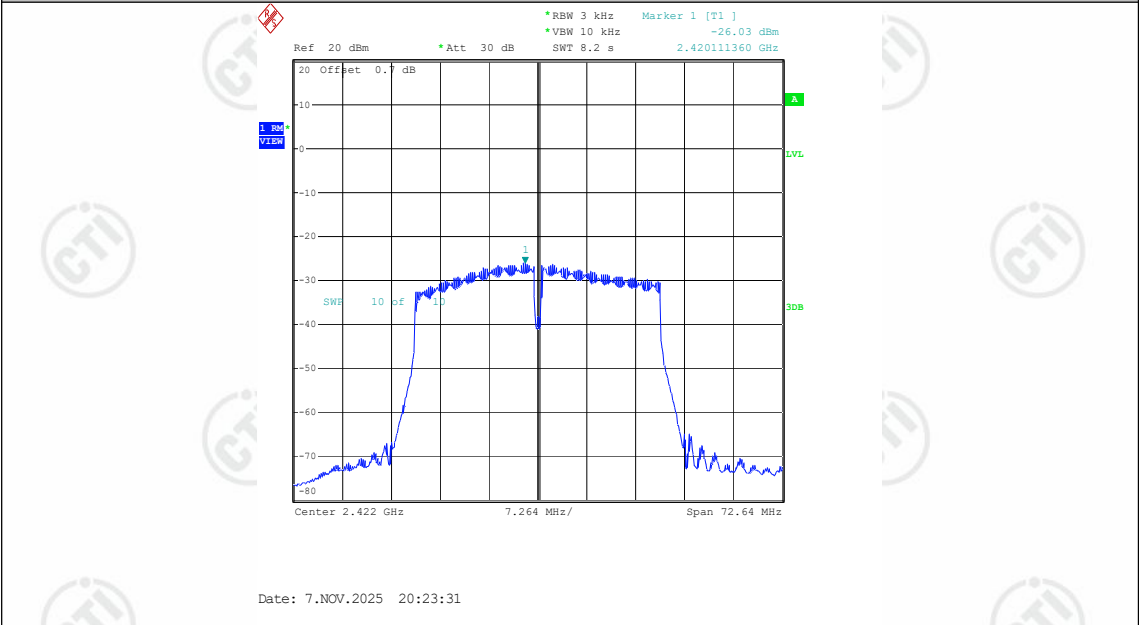
11N20SISO-Ant1-2412-PASS



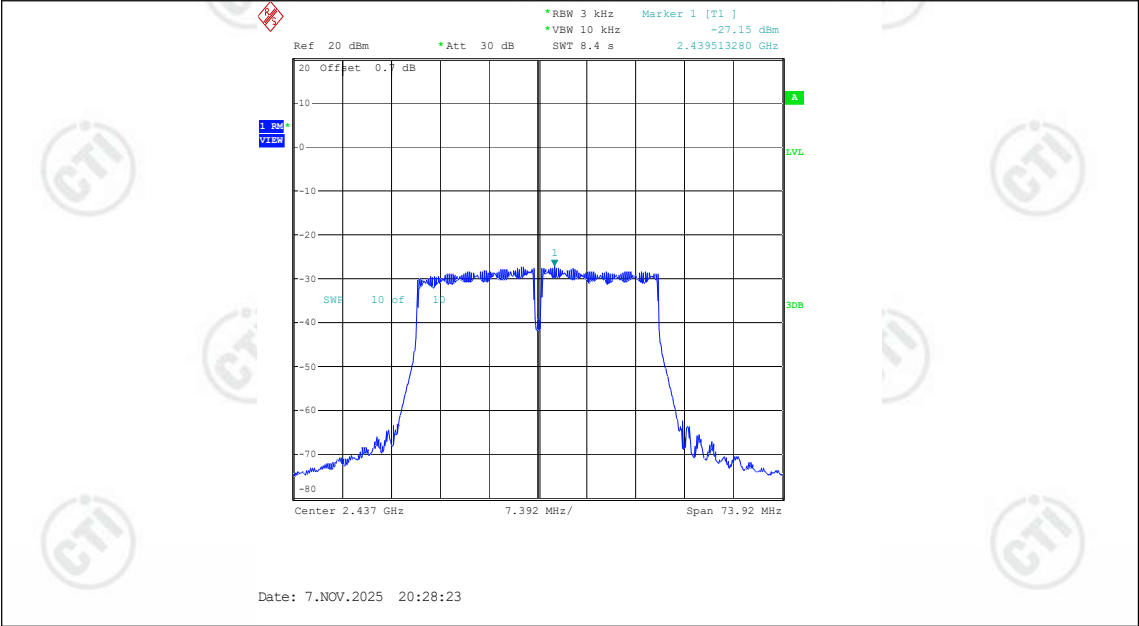
11N20SISO-Ant1-2437-PASS



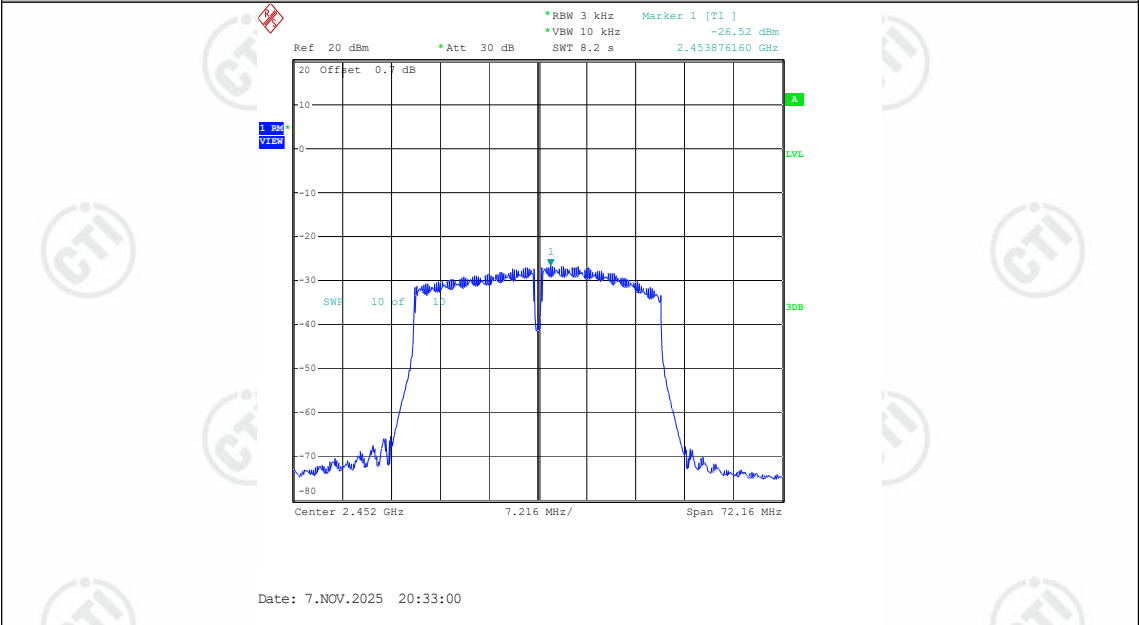
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



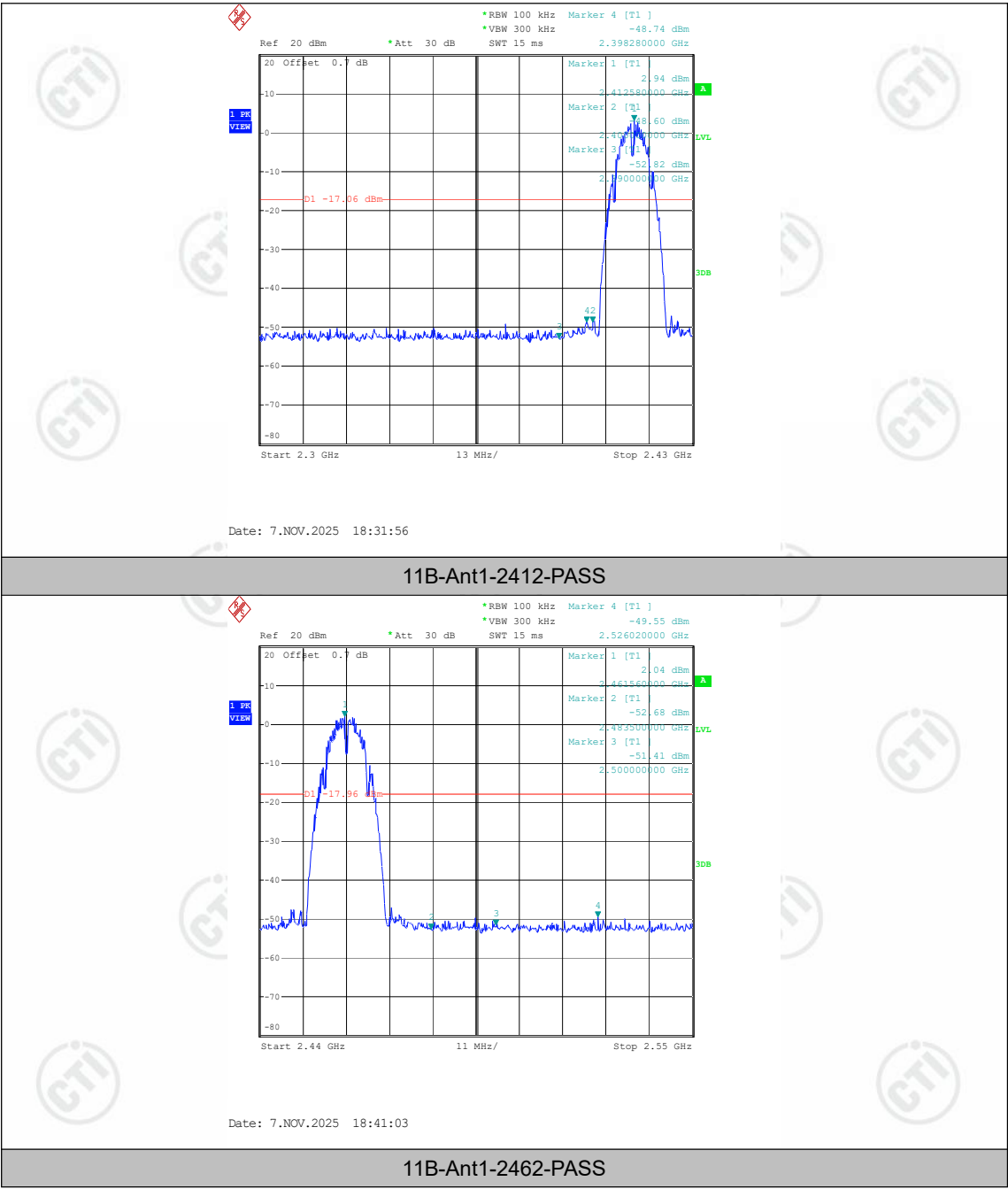
11N40SISO-Ant1-2452-PASS

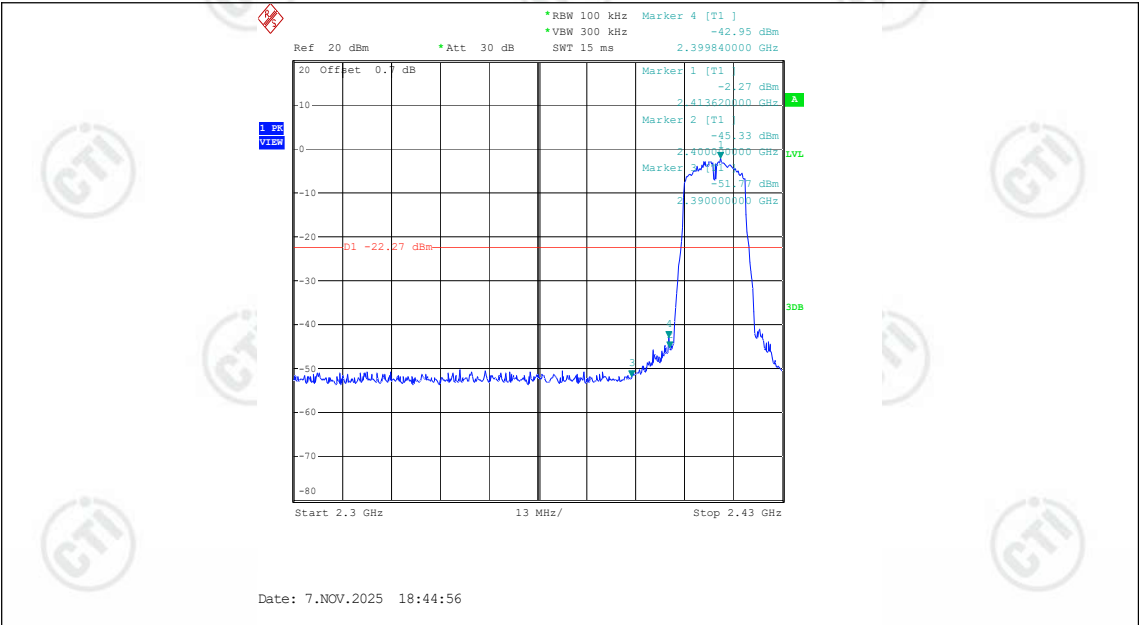
Appendix E: Band edge measurements

Test Result

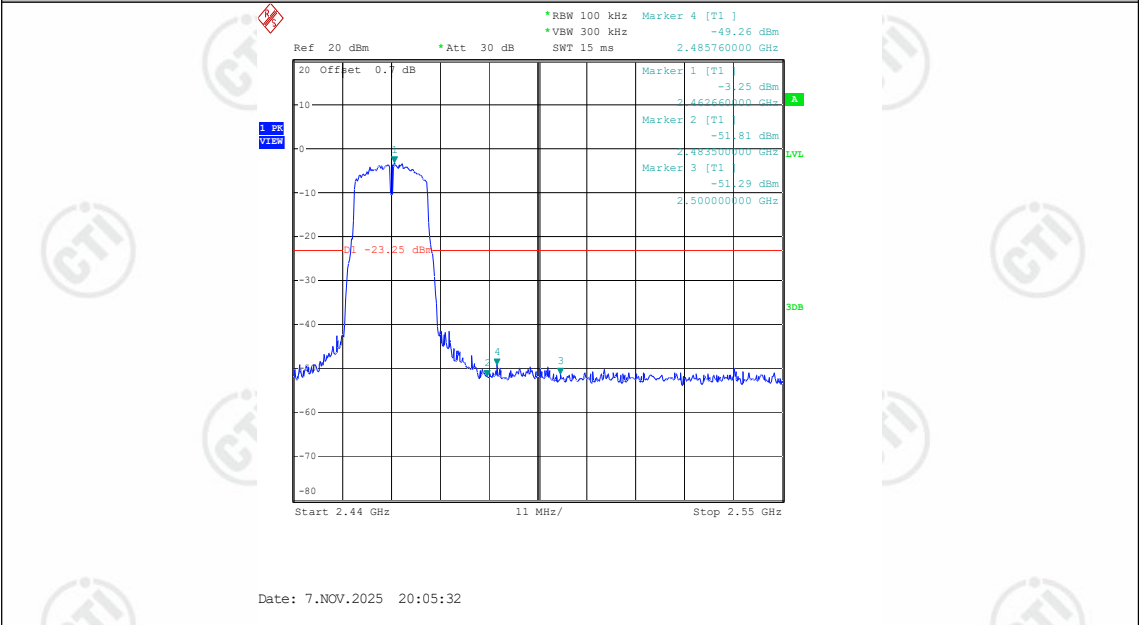
TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	2.94	-48.74	≤-17.06	PASS
11B	Ant1	High	2462	2.04	-49.55	≤-17.96	PASS
11G	Ant1	Low	2412	-2.27	-42.95	≤-22.27	PASS
11G	Ant1	High	2462	-3.25	-49.26	≤-23.25	PASS
11N20SISO	Ant1	Low	2412	-3.04	-42.9	≤-23.04	PASS
11N20SISO	Ant1	High	2462	-2.67	-48.77	≤-22.67	PASS
11N40SISO	Ant1	Low	2422	-4.39	-43.18	≤-24.39	PASS
11N40SISO	Ant1	High	2452	-5.13	-47.78	≤-25.13	PASS

Test Graphs

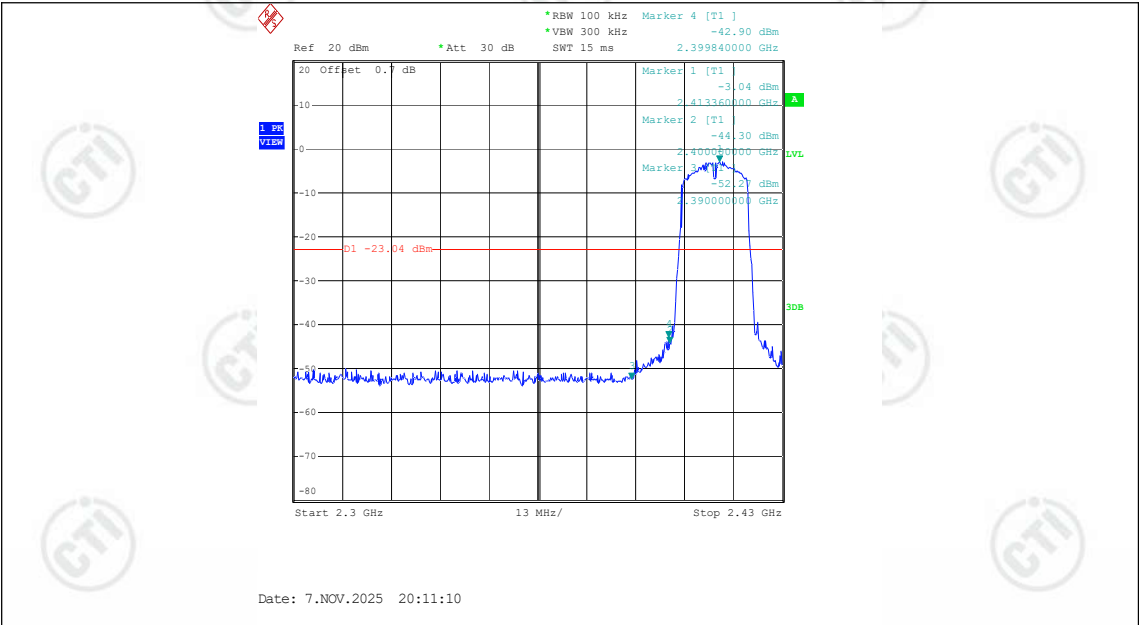




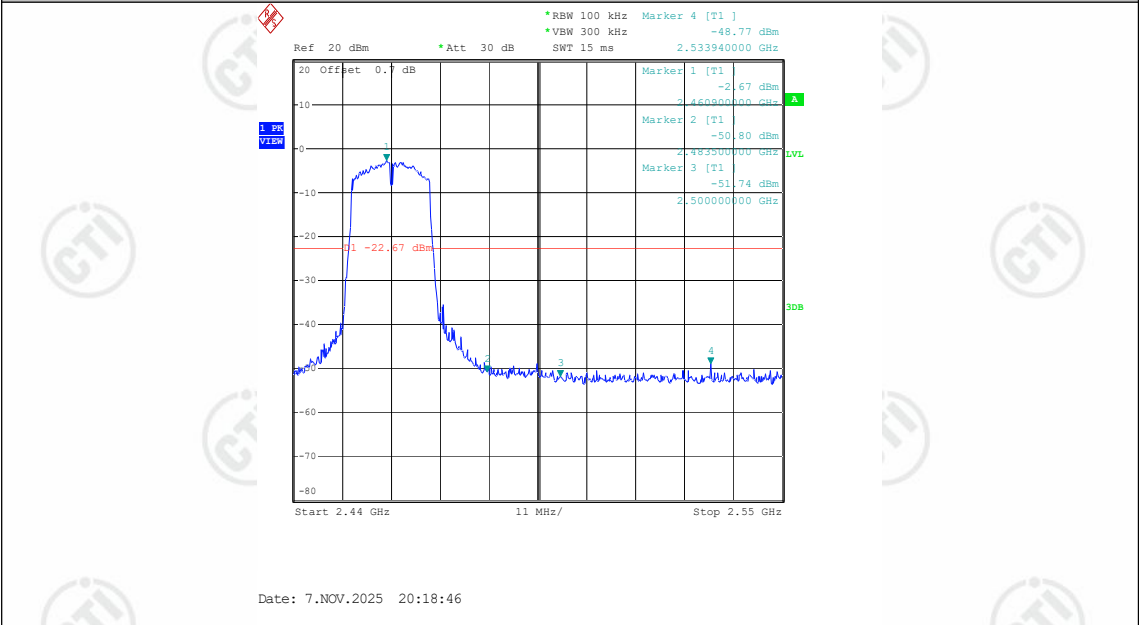
11G-Ant1-2412-PASS



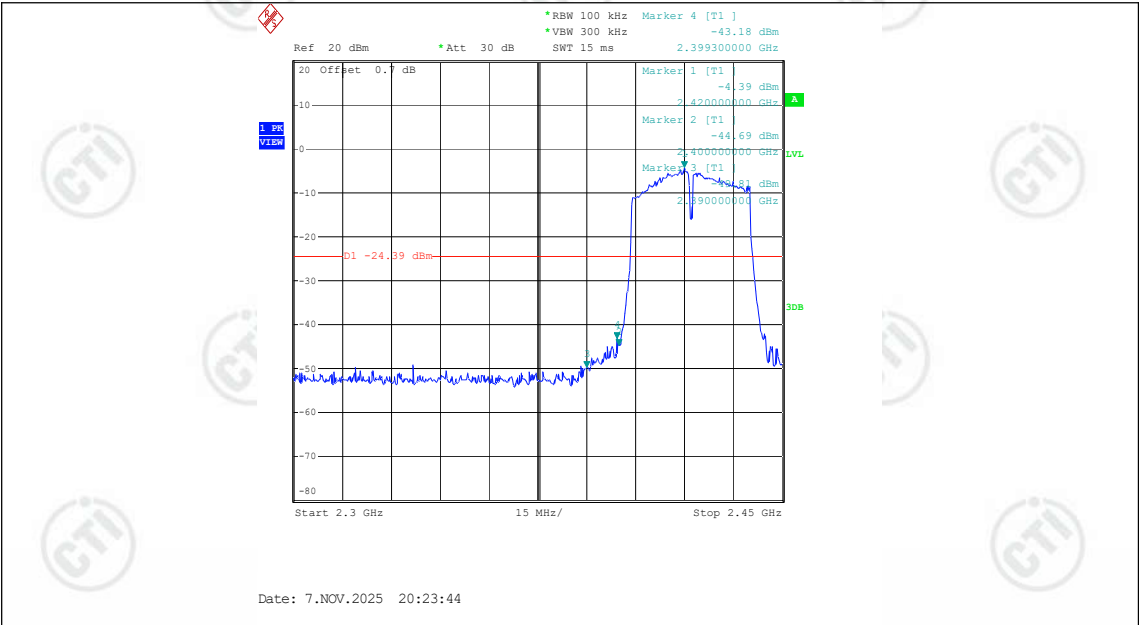
11G-Ant1-2462-PASS



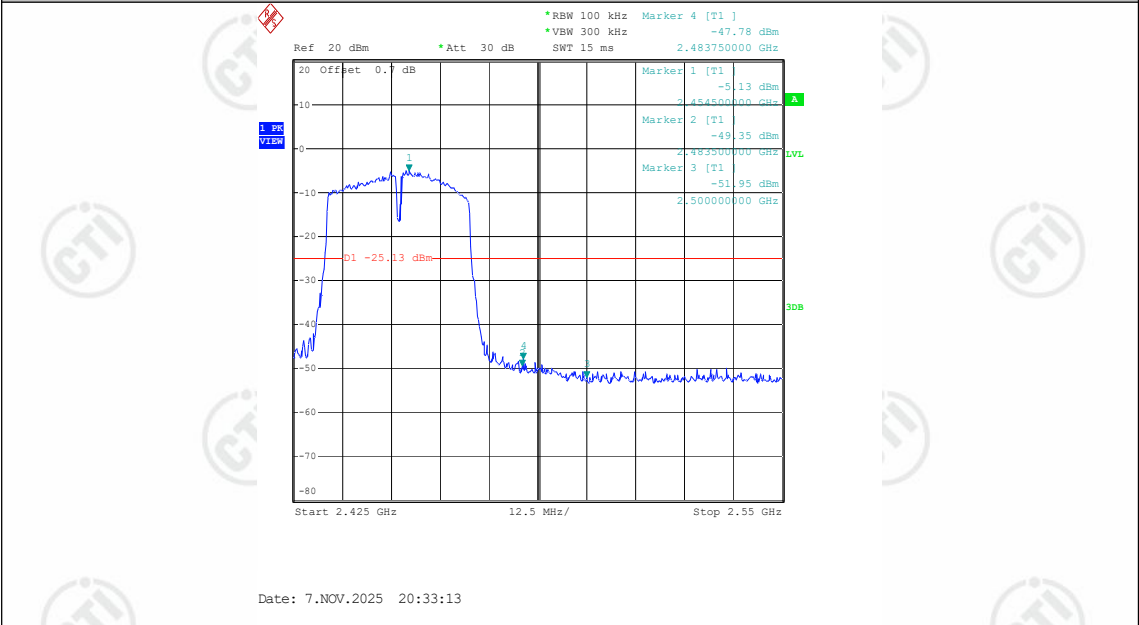
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



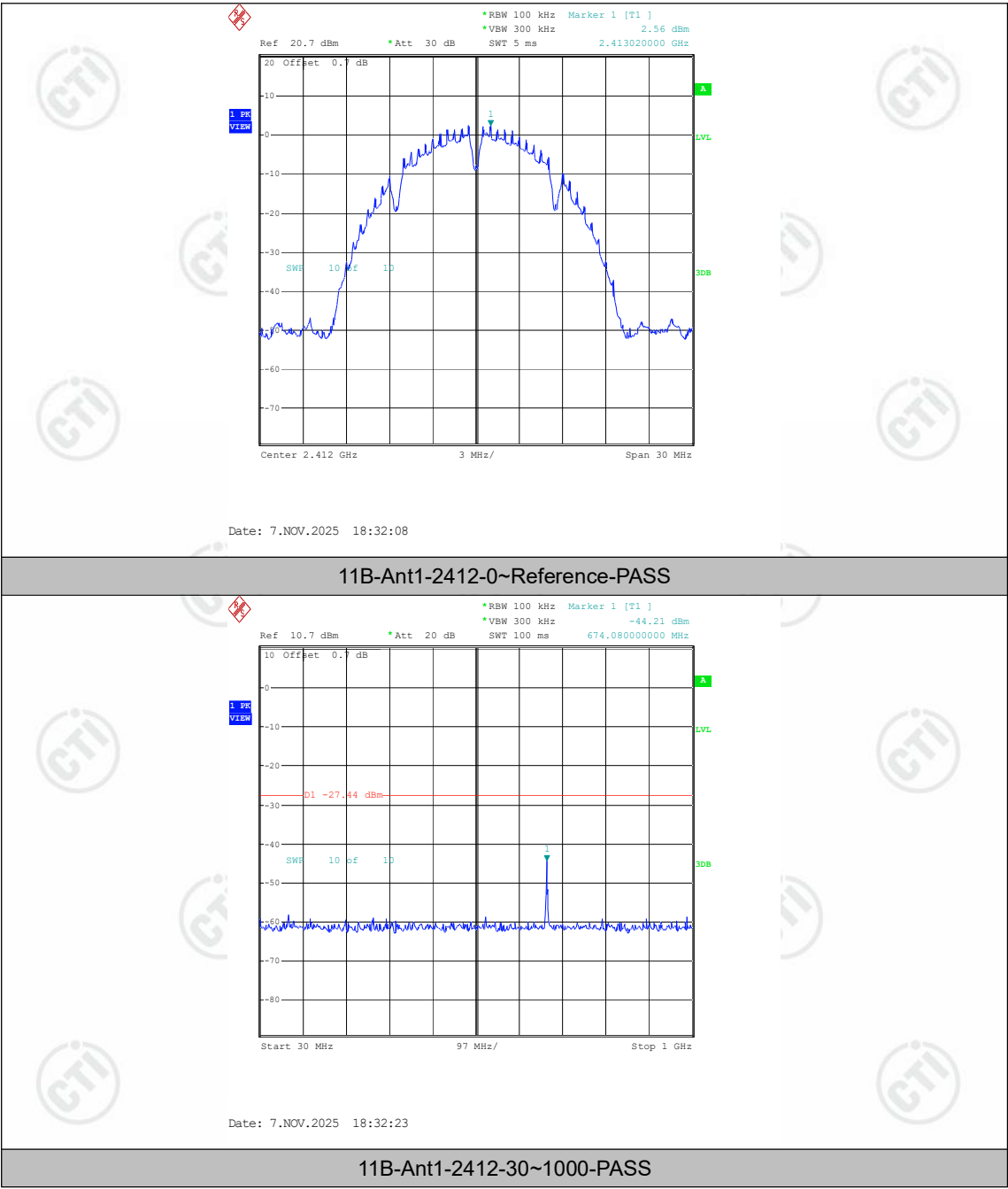
11N40SISO-Ant1-2452-PASS

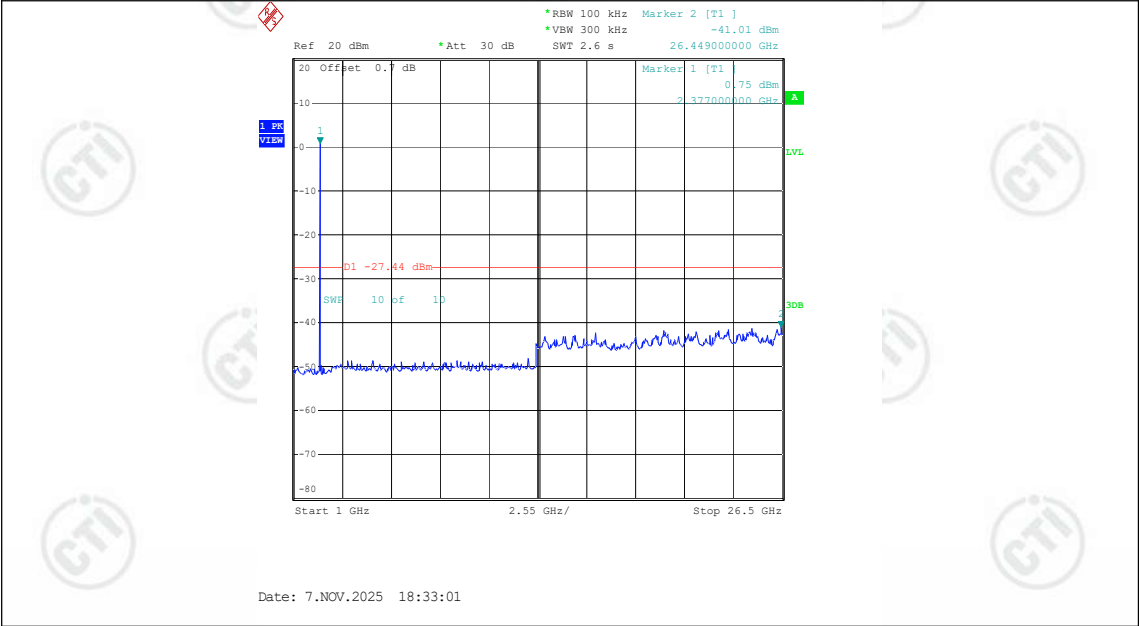
Appendix F: Conducted Spurious Emission

Test Result

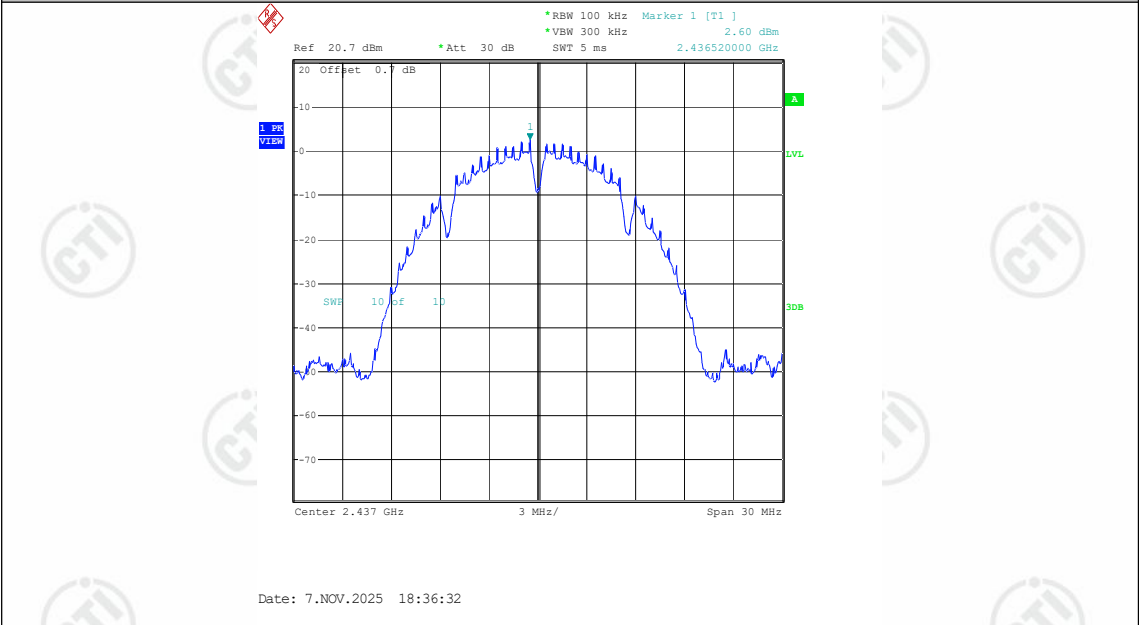
TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.56	2.56	---	PASS
11B	Ant1	2412	30~1000	2.56	-44.21	≤-17.44	PASS
11B	Ant1	2412	1000~26500	2.56	-41.01	≤-17.44	PASS
11B	Ant1	2437	0~Reference	2.60	2.60	---	PASS
11B	Ant1	2437	30~1000	2.60	-43.98	≤-17.4	PASS
11B	Ant1	2437	1000~26500	2.60	-40.17	≤-17.4	PASS
11B	Ant1	2462	0~Reference	2.54	2.54	---	PASS
11B	Ant1	2462	30~1000	2.54	-43.47	≤-17.46	PASS
11B	Ant1	2462	1000~26500	2.54	-40.95	≤-17.46	PASS
11G	Ant1	2412	0~Reference	-2.58	-2.58	---	PASS
11G	Ant1	2412	30~1000	-2.58	-51.16	≤-22.58	PASS
11G	Ant1	2412	1000~26500	-2.58	-41.47	≤-22.58	PASS
11G	Ant1	2437	0~Reference	-2.89	-2.89	---	PASS
11G	Ant1	2437	30~1000	-2.89	-51.48	≤-22.89	PASS
11G	Ant1	2437	1000~26500	-2.89	-41.37	≤-22.89	PASS
11G	Ant1	2462	0~Reference	-3.37	-3.37	---	PASS
11G	Ant1	2462	30~1000	-3.37	-52.45	≤-23.37	PASS
11G	Ant1	2462	1000~26500	-3.37	-40.85	≤-23.37	PASS
11N20SISO	Ant1	2412	0~Reference	-2.92	-2.92	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.92	-52.51	≤-22.92	PASS
11N20SISO	Ant1	2412	1000~26500	-2.92	-41.25	≤-22.92	PASS
11N20SISO	Ant1	2437	0~Reference	-2.95	-2.95	---	PASS
11N20SISO	Ant1	2437	30~1000	-2.95	-51.25	≤-22.95	PASS
11N20SISO	Ant1	2437	1000~26500	-2.95	-41.44	≤-22.95	PASS
11N20SISO	Ant1	2462	0~Reference	-2.85	-2.85	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.85	-51.13	≤-22.85	PASS
11N20SISO	Ant1	2462	1000~26500	-2.85	-41.75	≤-22.85	PASS
11N40SISO	Ant1	2422	0~Reference	-4.81	-4.81	---	PASS
11N40SISO	Ant1	2422	30~1000	-4.81	-53.35	≤-24.81	PASS
11N40SISO	Ant1	2422	1000~26500	-4.81	-41.51	≤-24.81	PASS
11N40SISO	Ant1	2437	0~Reference	-5.88	-5.88	---	PASS
11N40SISO	Ant1	2437	30~1000	-5.88	-54.2	≤-25.88	PASS
11N40SISO	Ant1	2437	1000~26500	-5.88	-41.98	≤-25.88	PASS
11N40SISO	Ant1	2452	0~Reference	-5.36	-5.36	---	PASS
11N40SISO	Ant1	2452	30~1000	-5.36	-53.2	≤-25.36	PASS
11N40SISO	Ant1	2452	1000~26500	-5.36	-40.78	≤-25.36	PASS

Test Graphs

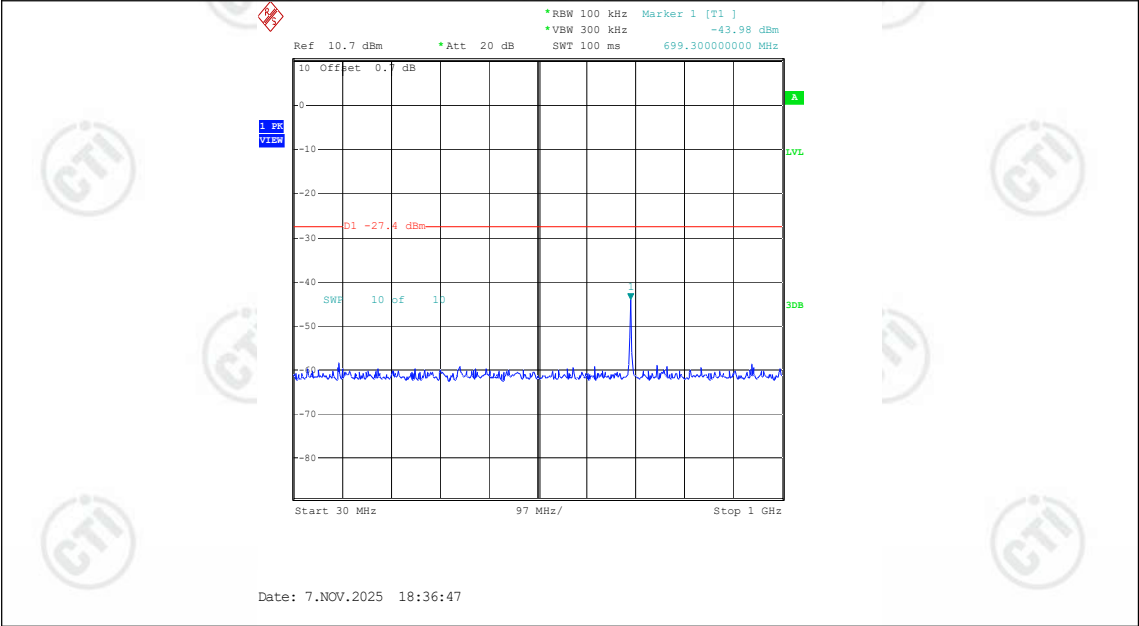




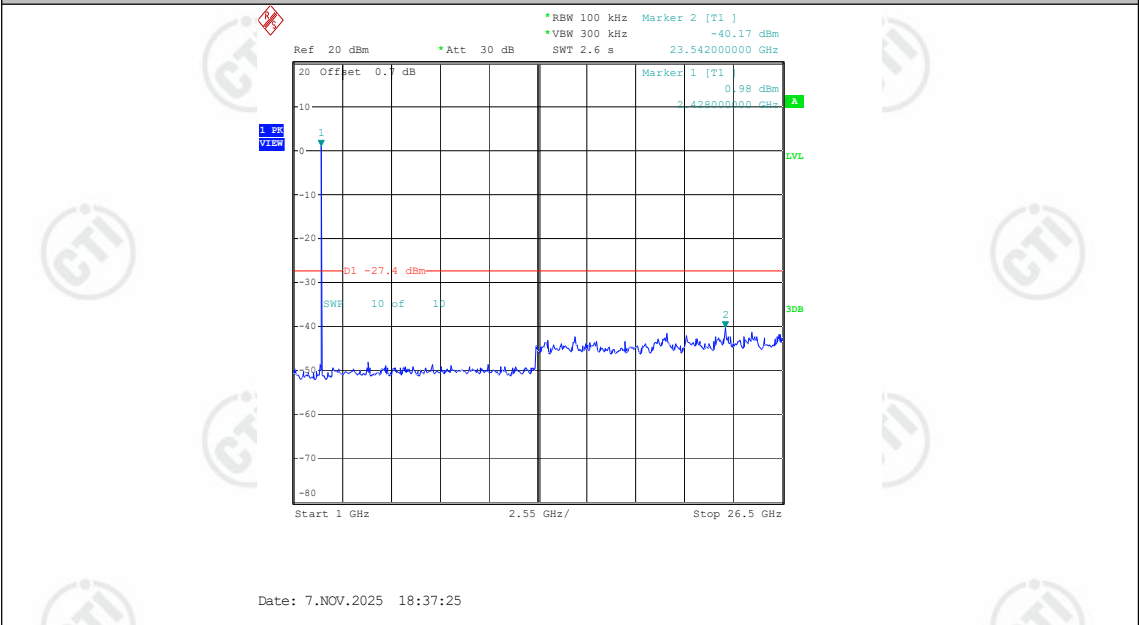
11B-Ant1-2412-1000~26500-PASS



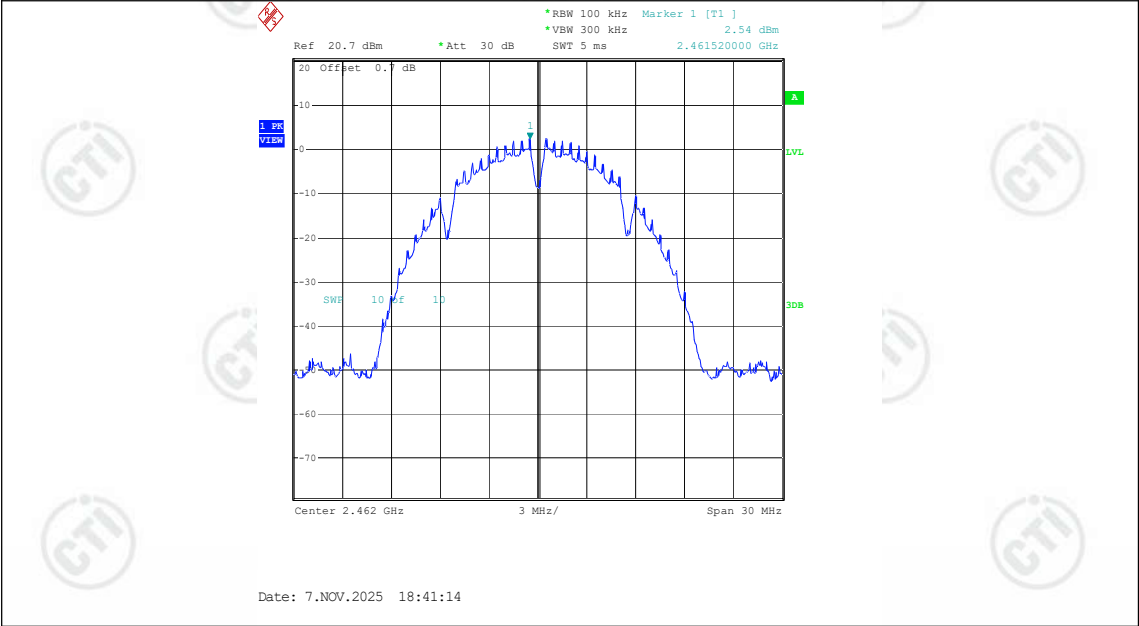
11B-Ant1-2437-0~Reference-PASS



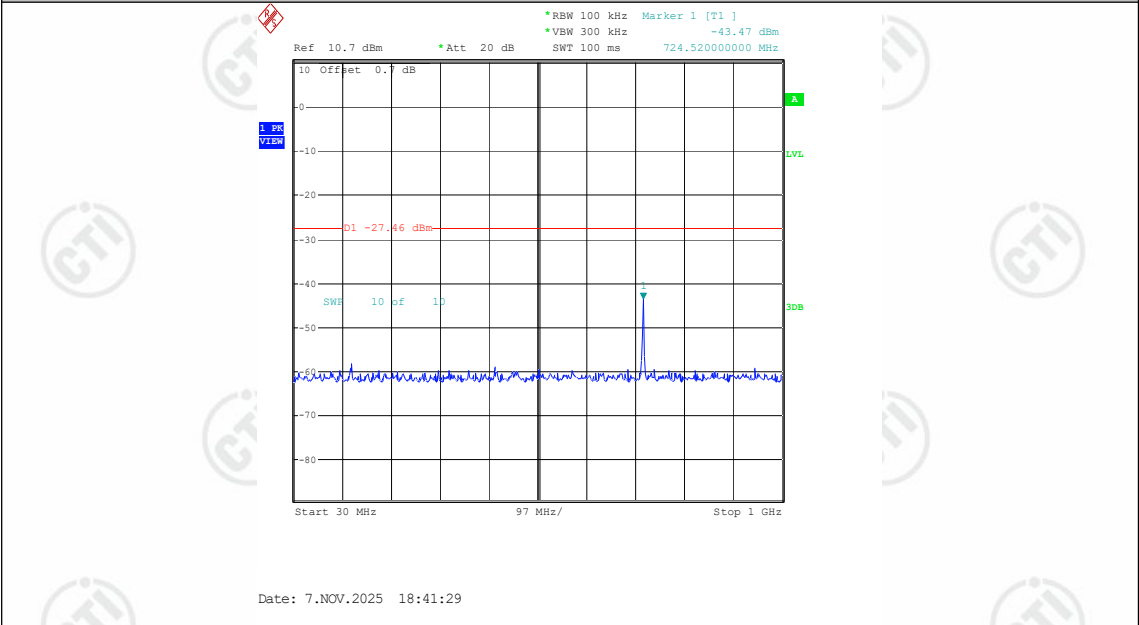
11B-Ant1-2437-30~1000-PASS



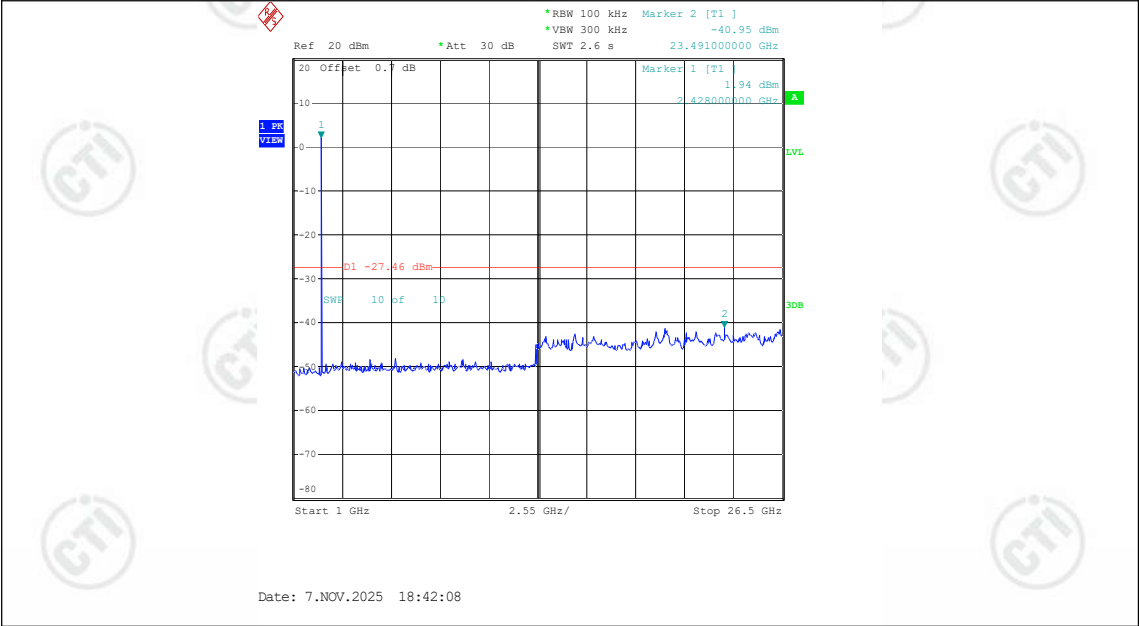
11B-Ant1-2437-1000~26500-PASS



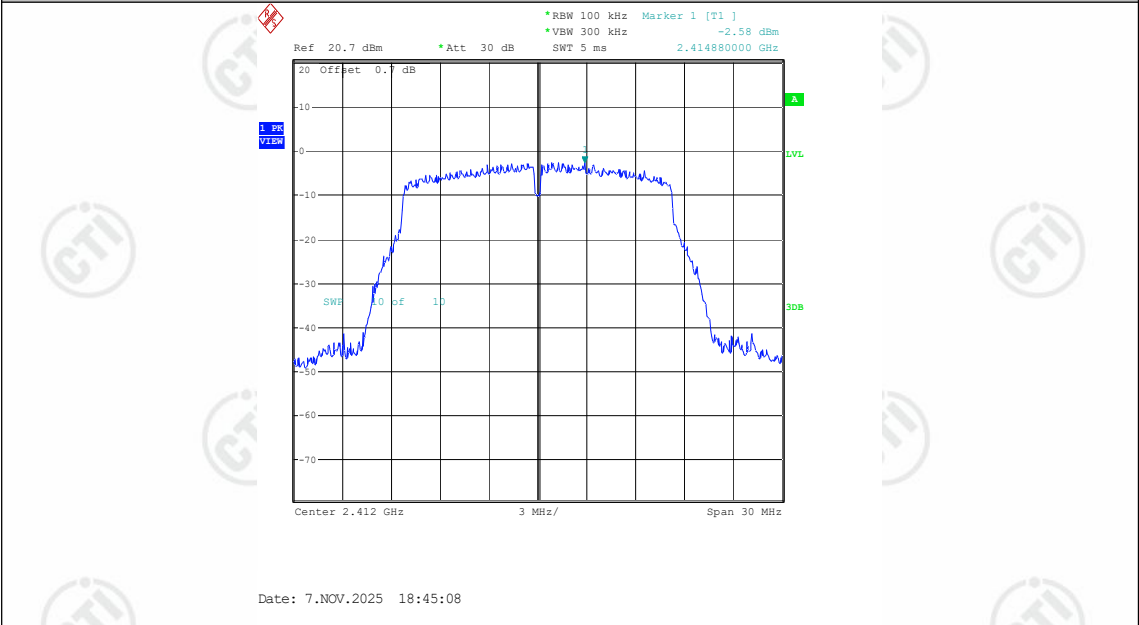
11B-Ant1-2462-0~Reference-PASS



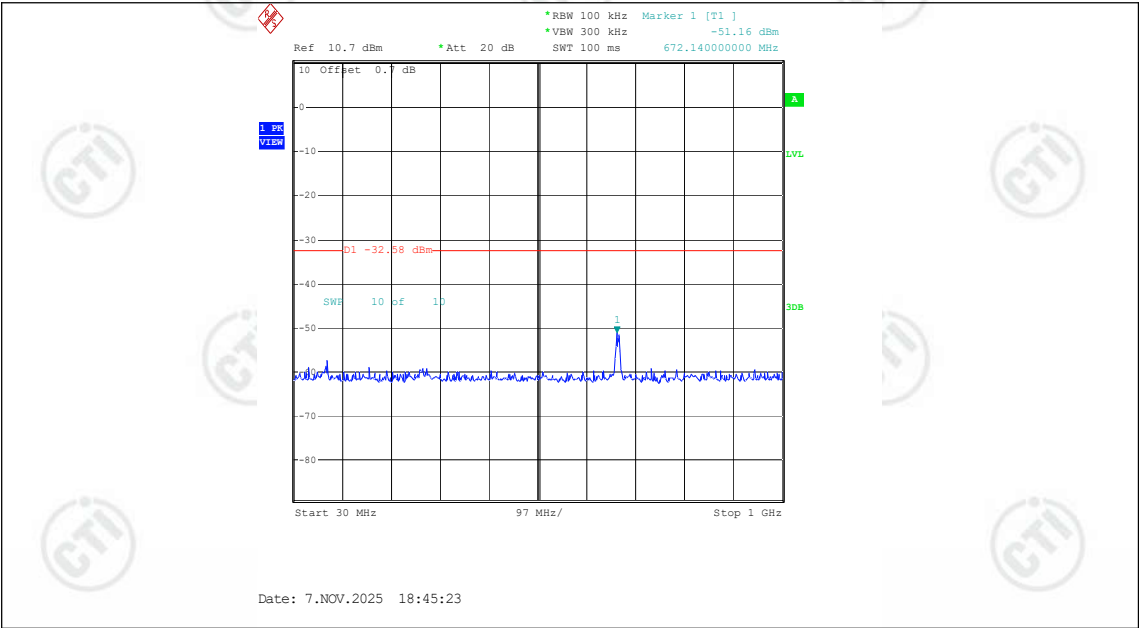
11B-Ant1-2462-30~1000-PASS



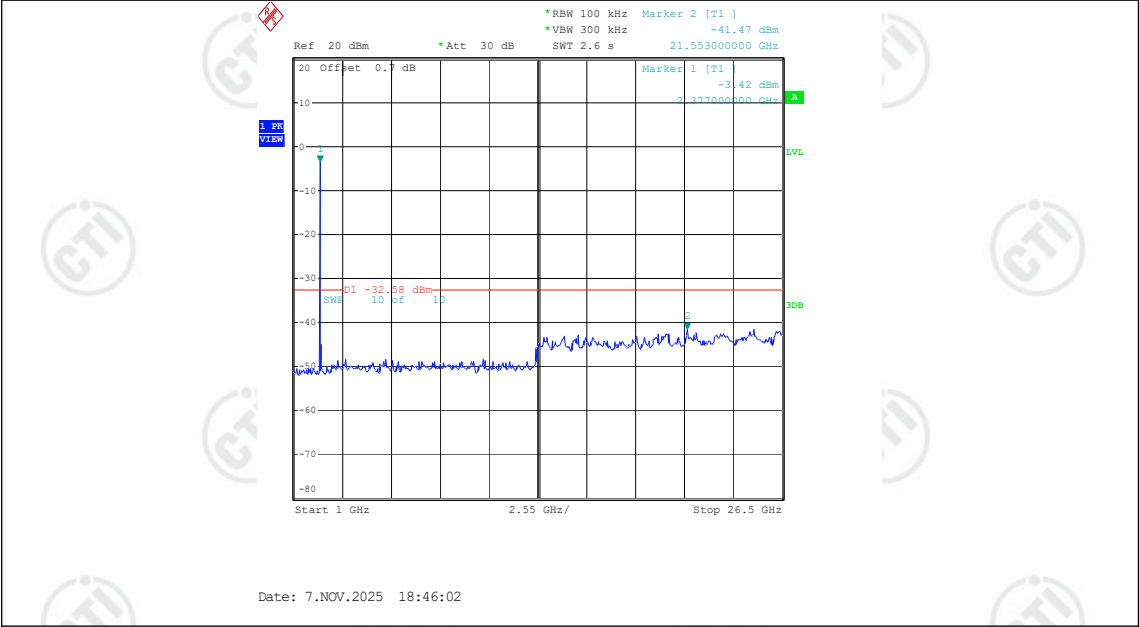
11B-Ant1-2462-1000~26500-PASS



11G-Ant1-2412-0~Reference-PASS



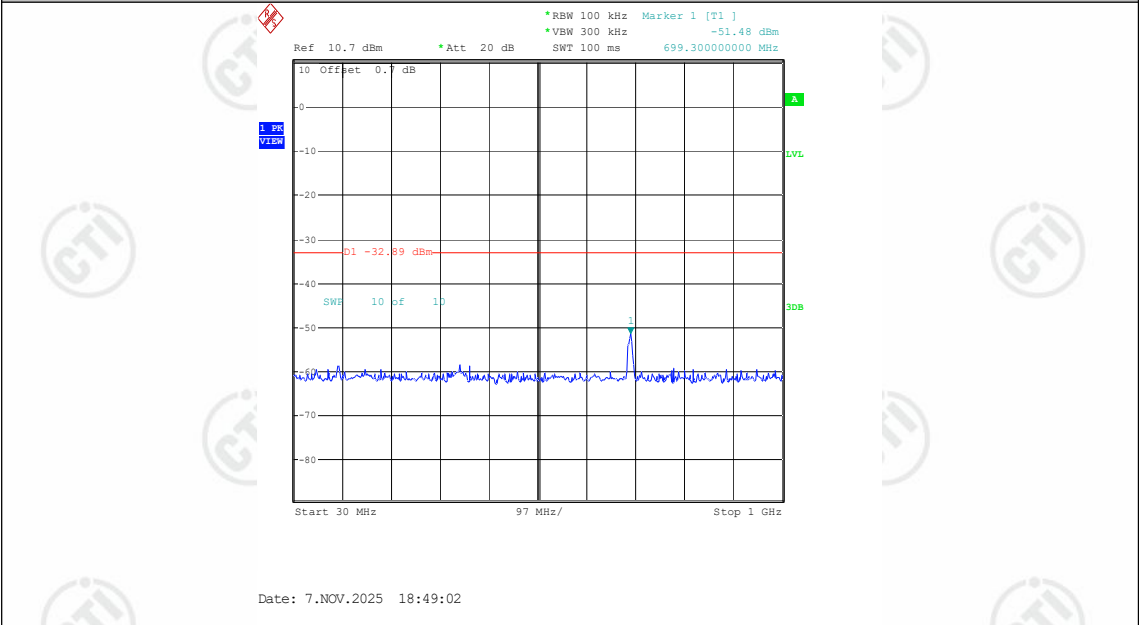
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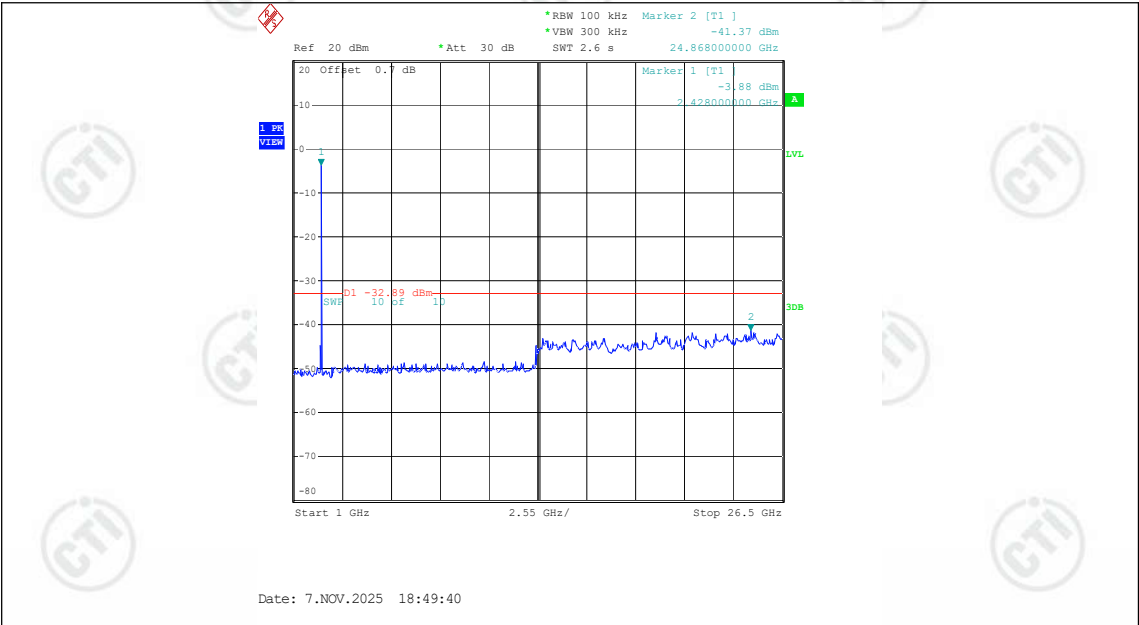
11G-Ant1-2412-1000~26500-PASS



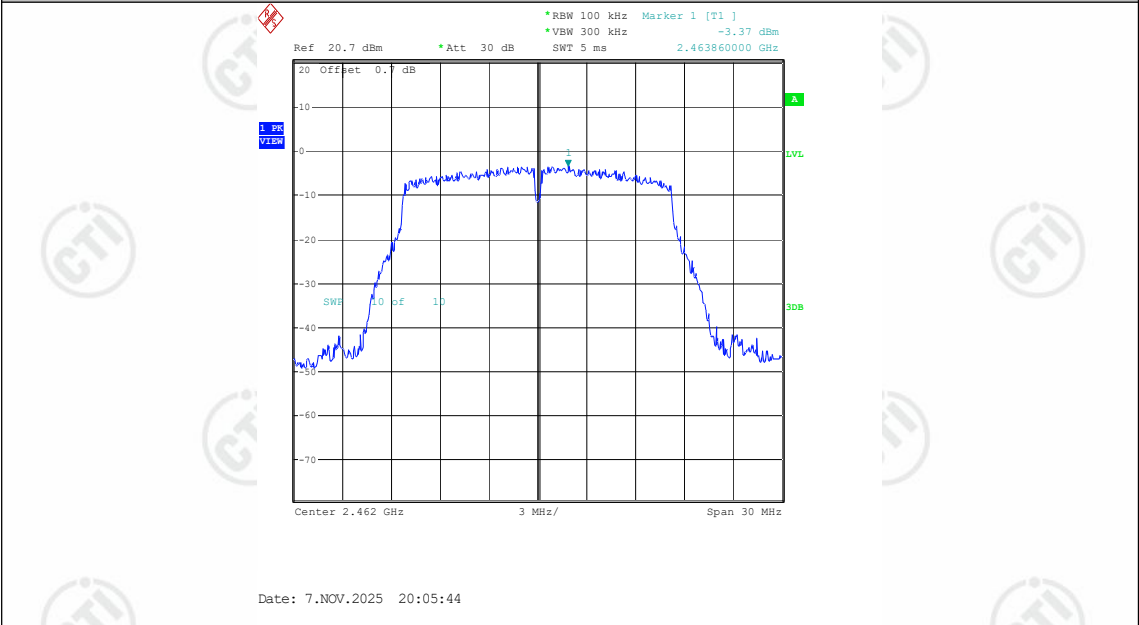
11G-Ant1-2437-0~Reference-PASS



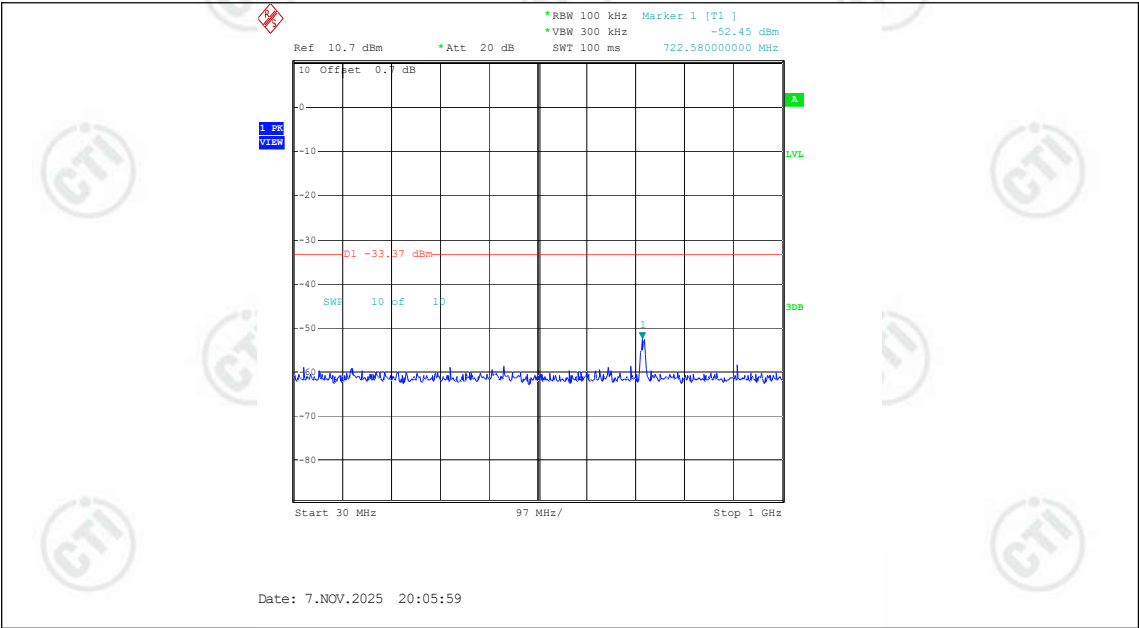
11G-Ant1-2437-30~1000-PASS



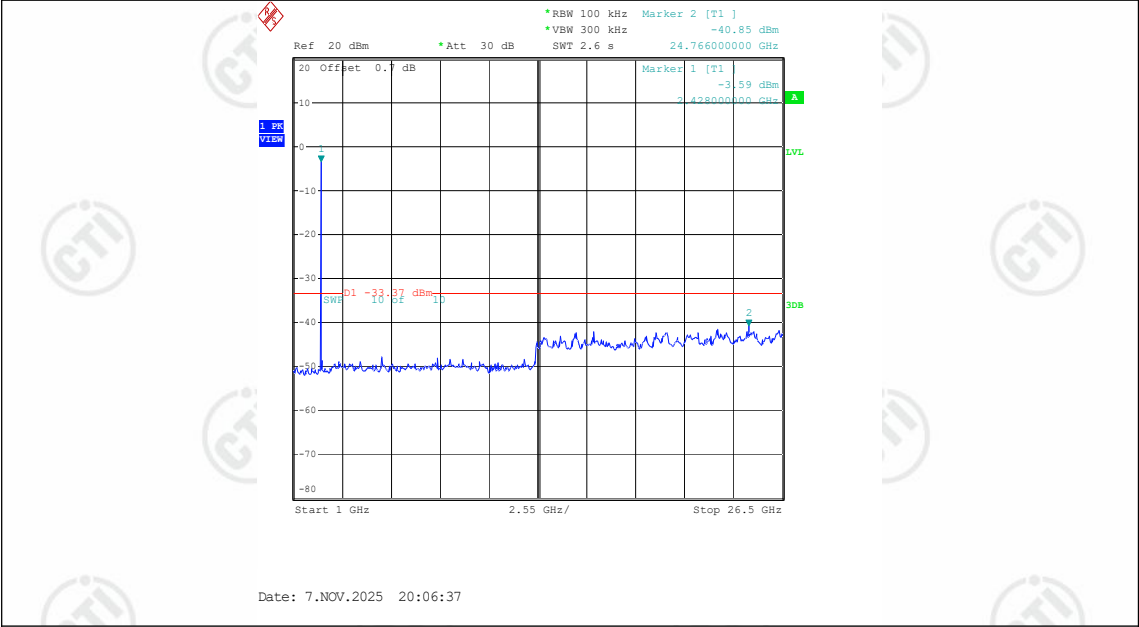
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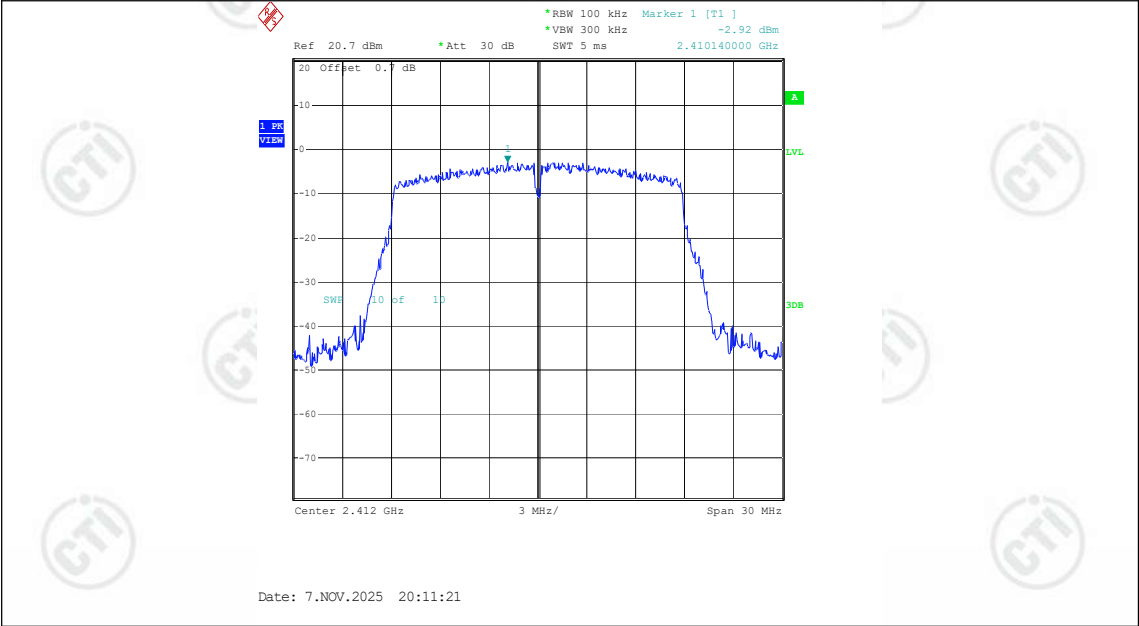
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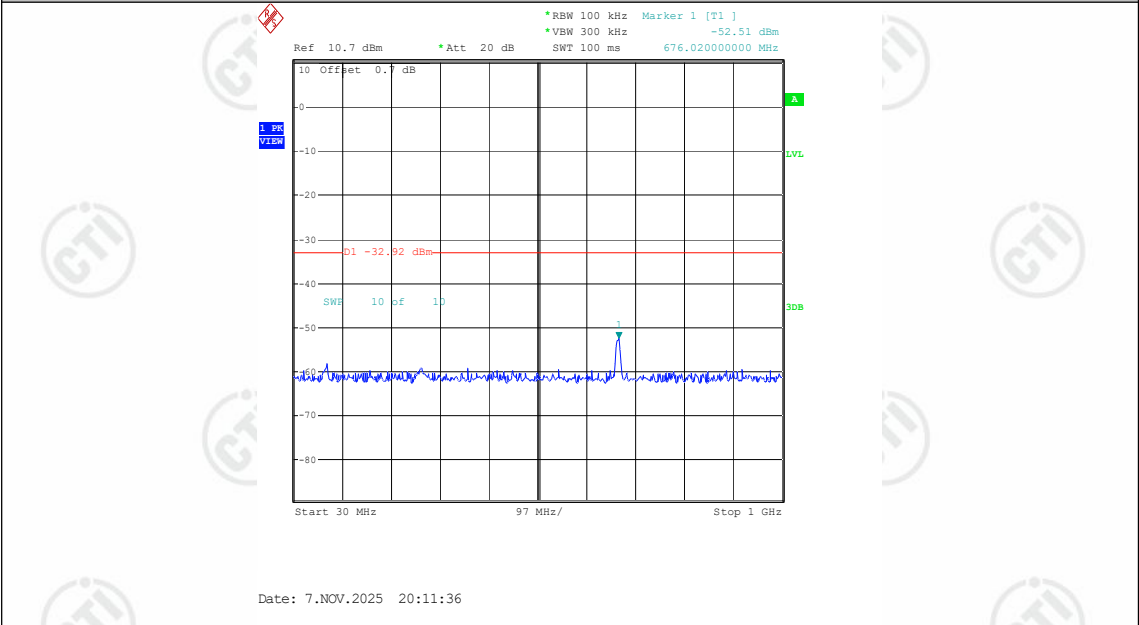
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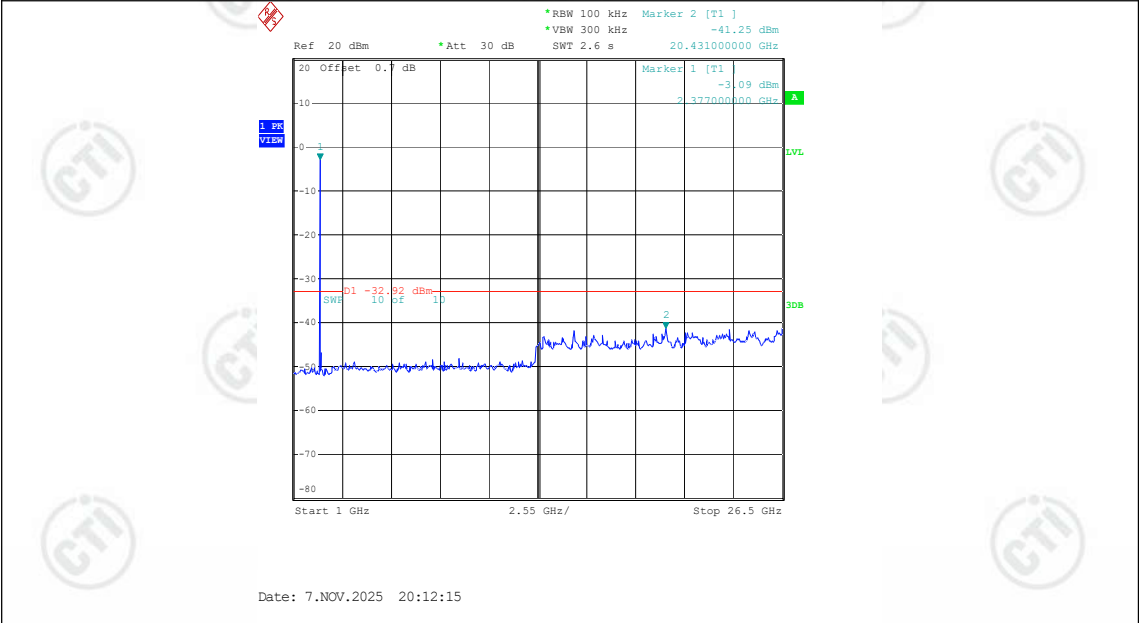
11G-Ant1-2462-1000~26500-PASS



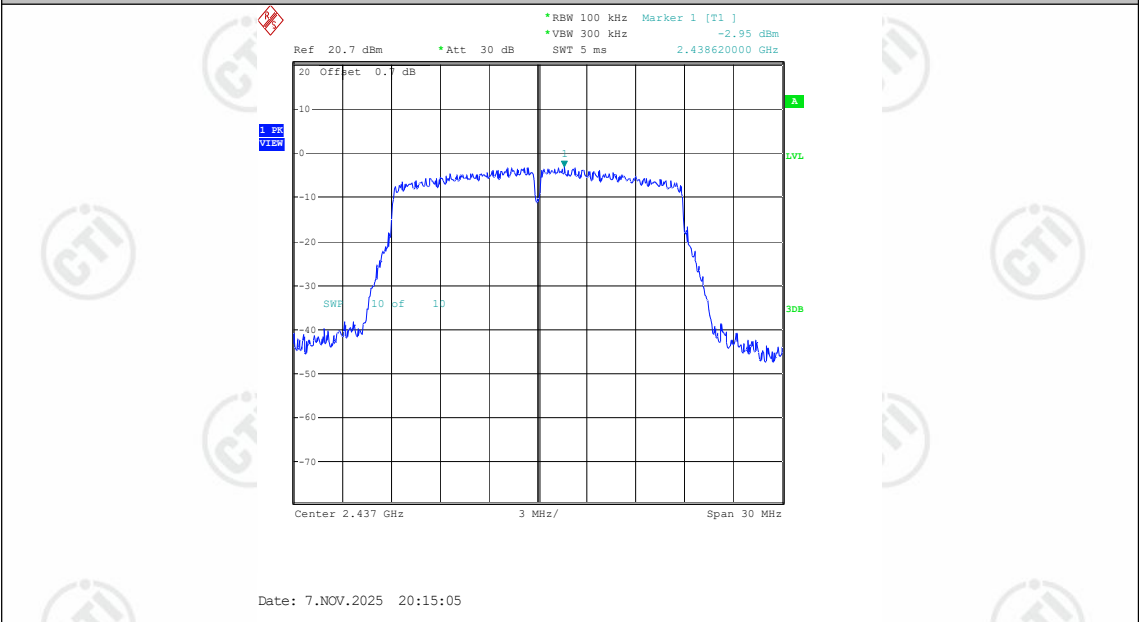
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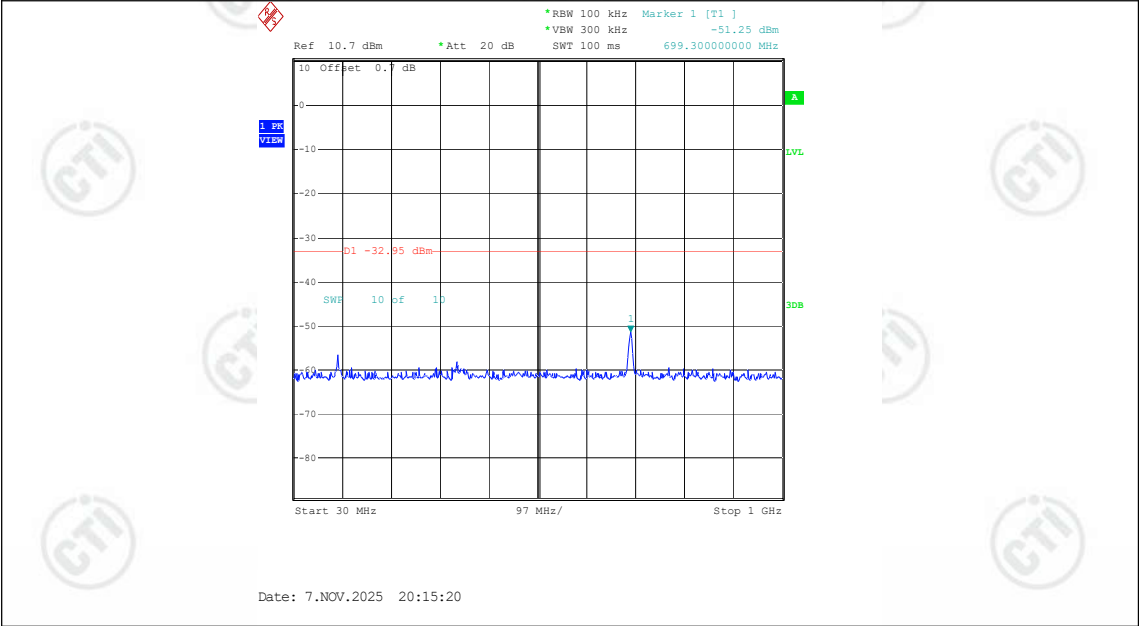
11N20SISO-Ant1-2412-30~1000-PASS



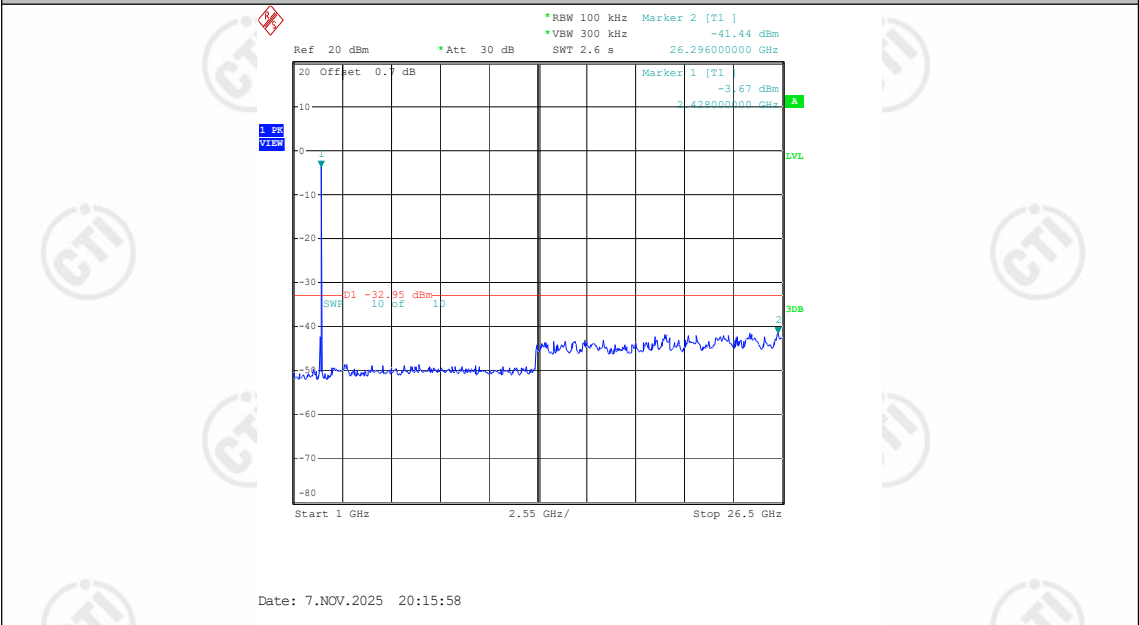
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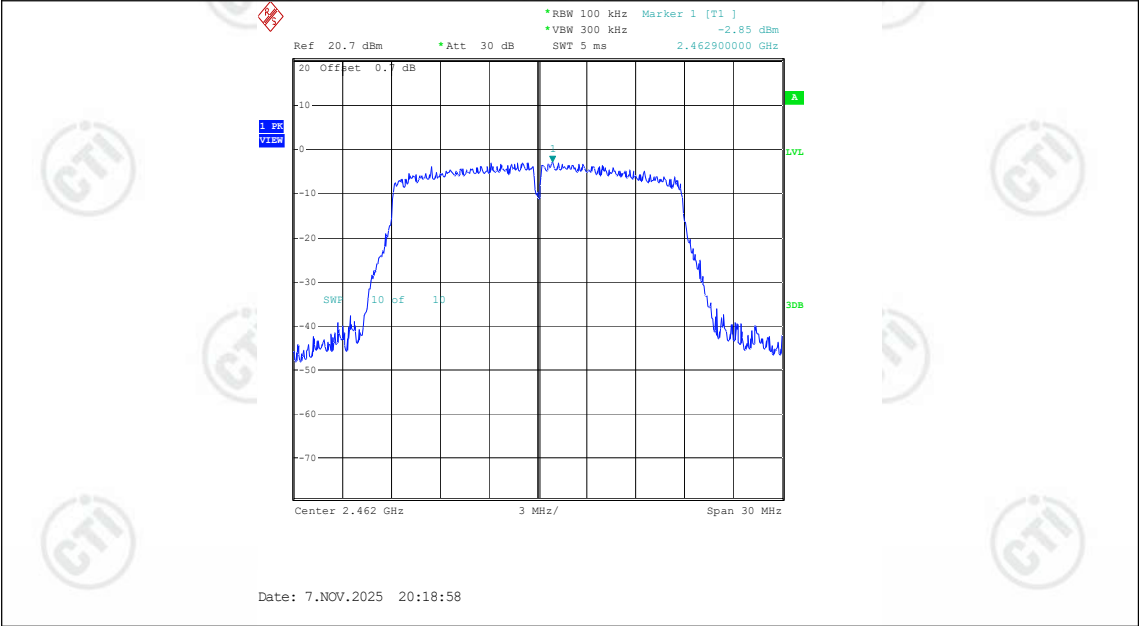
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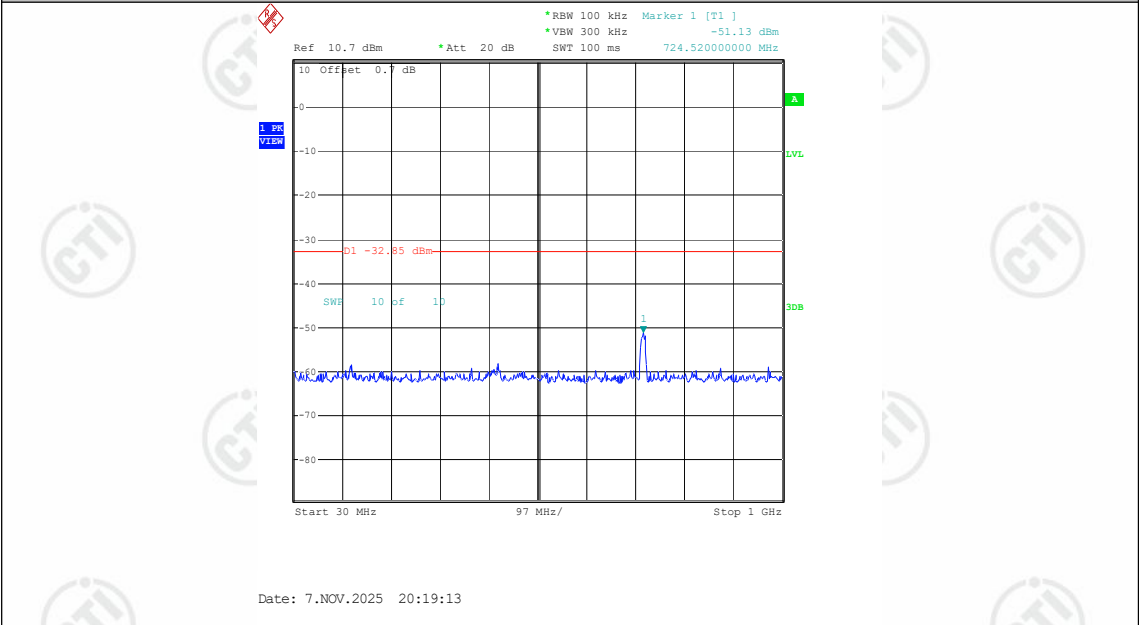
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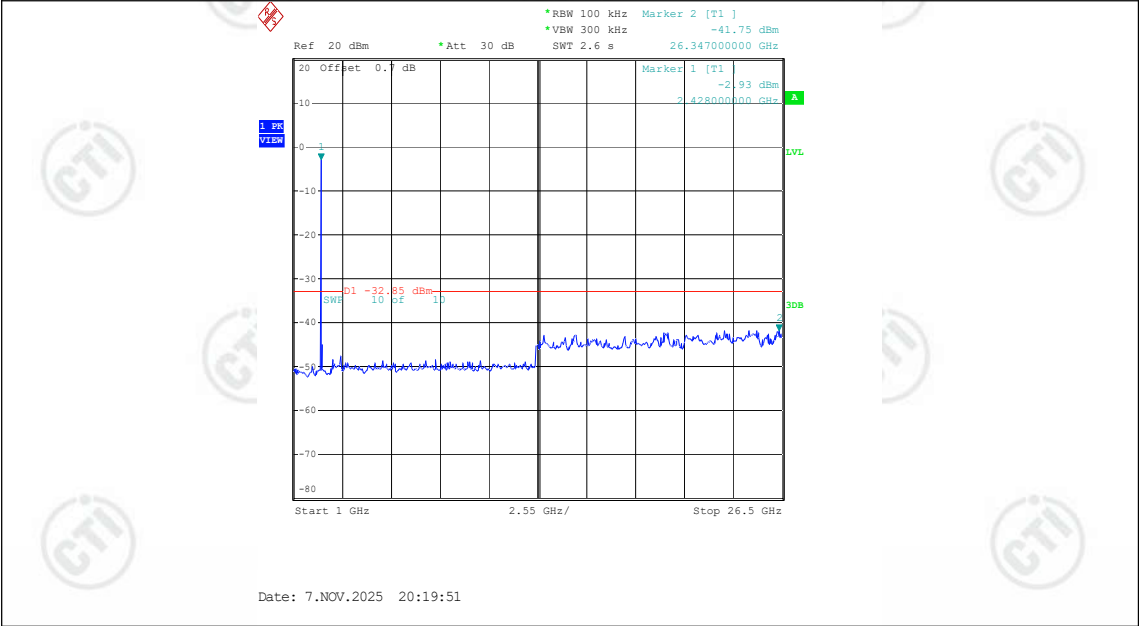
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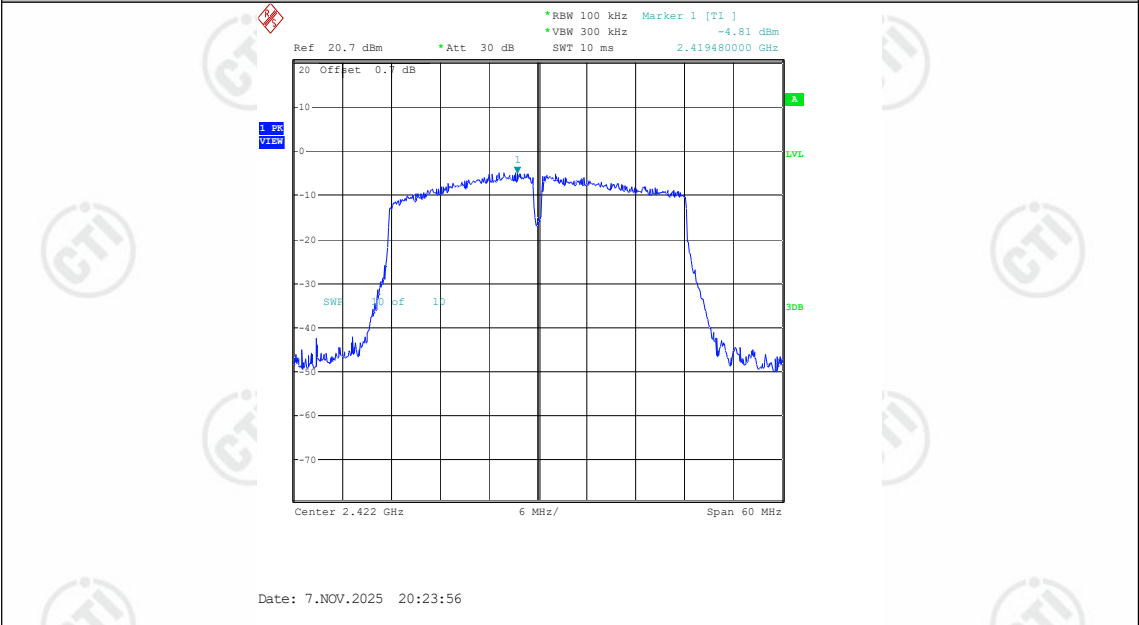
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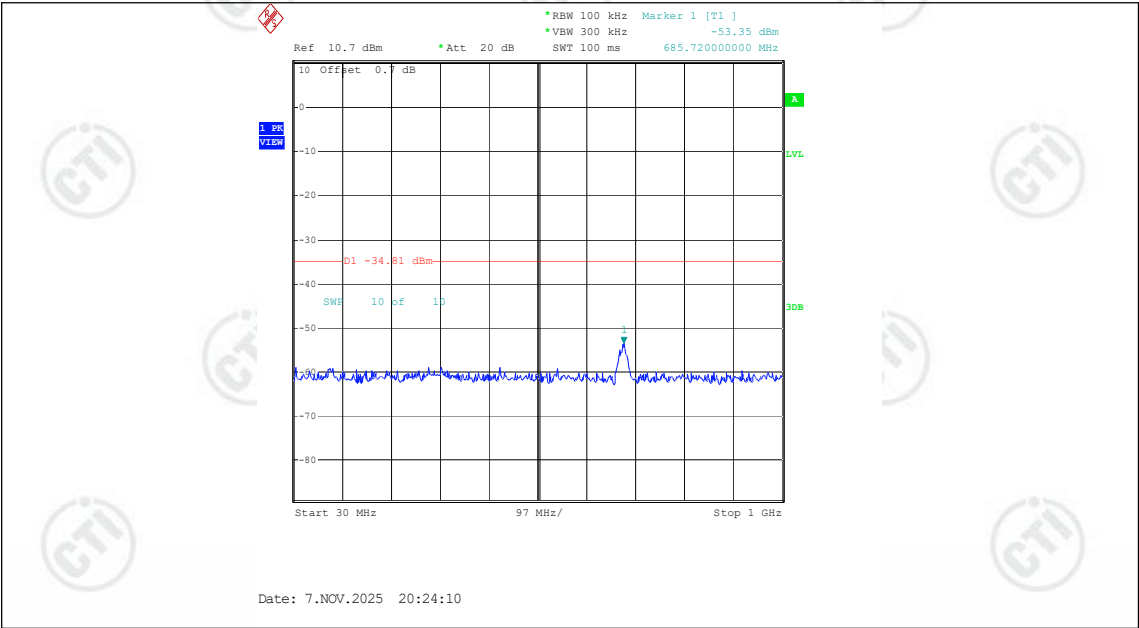
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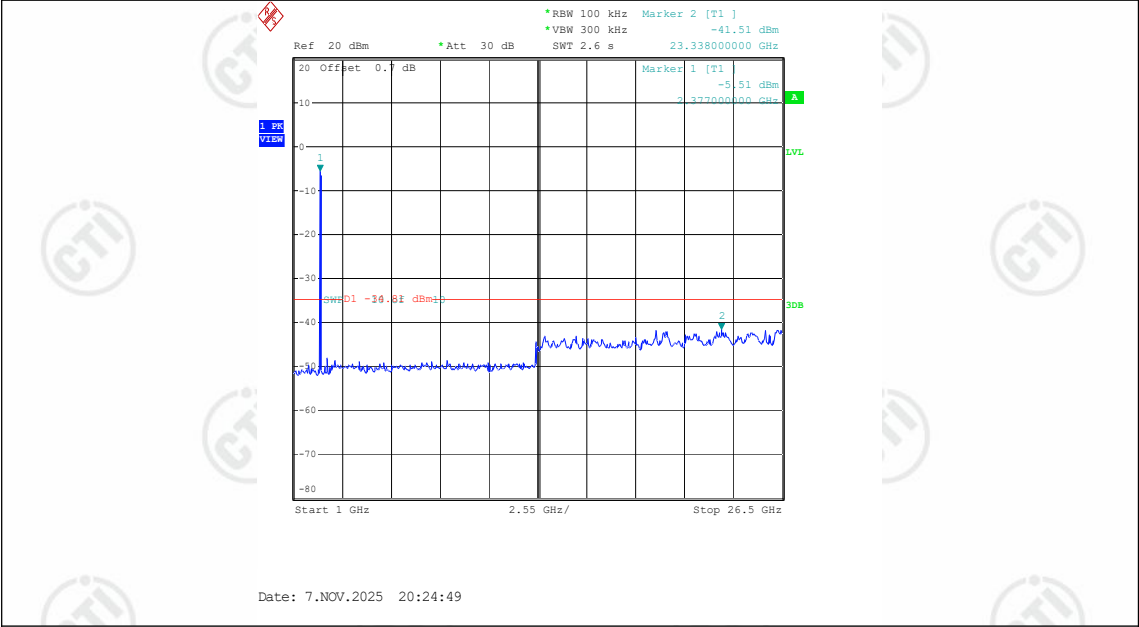
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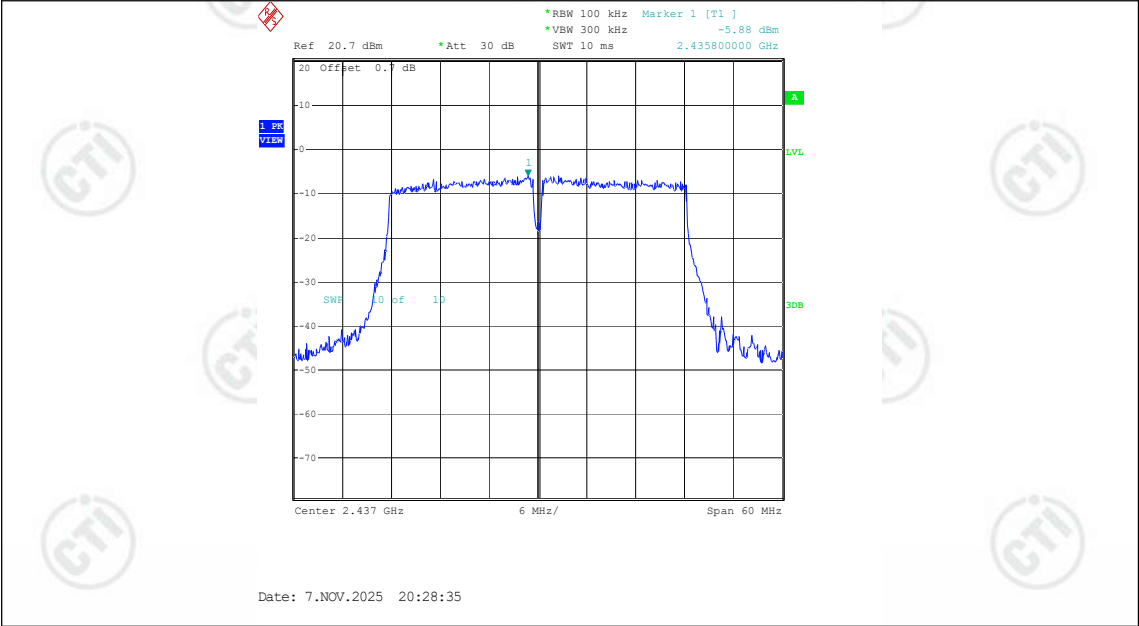
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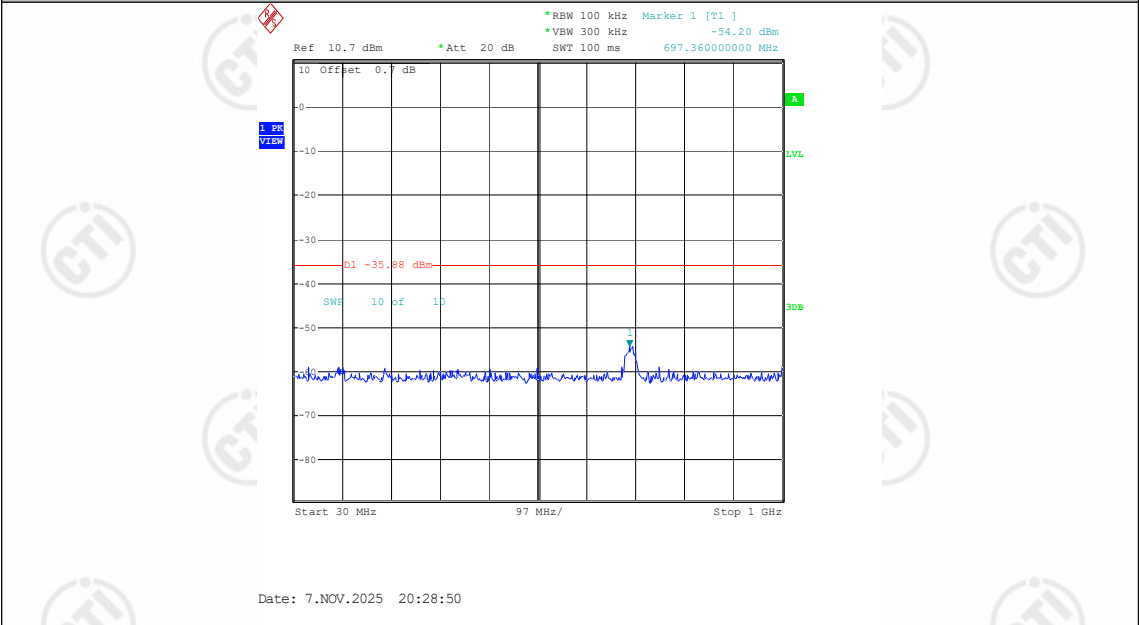
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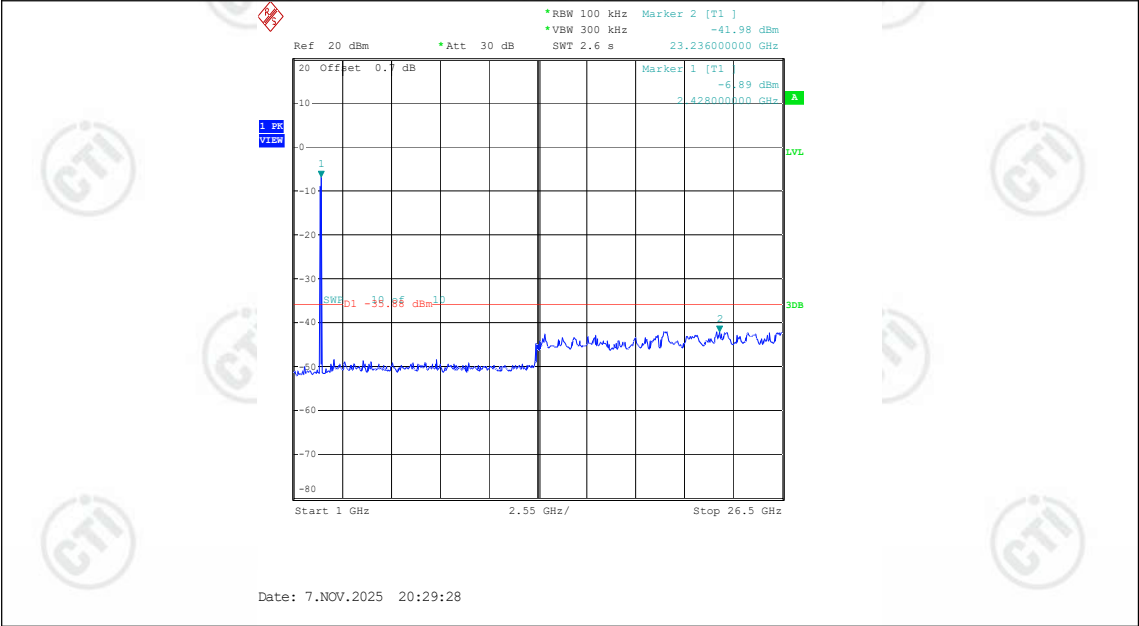
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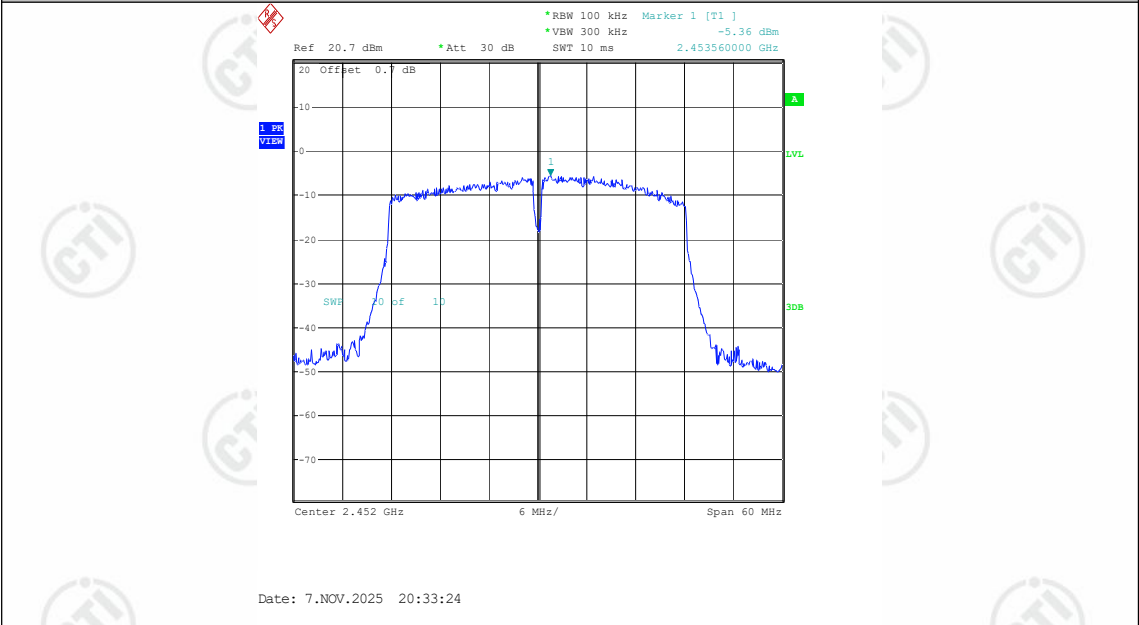
11N40SISO-Ant1-2437-0~Reference-PASS



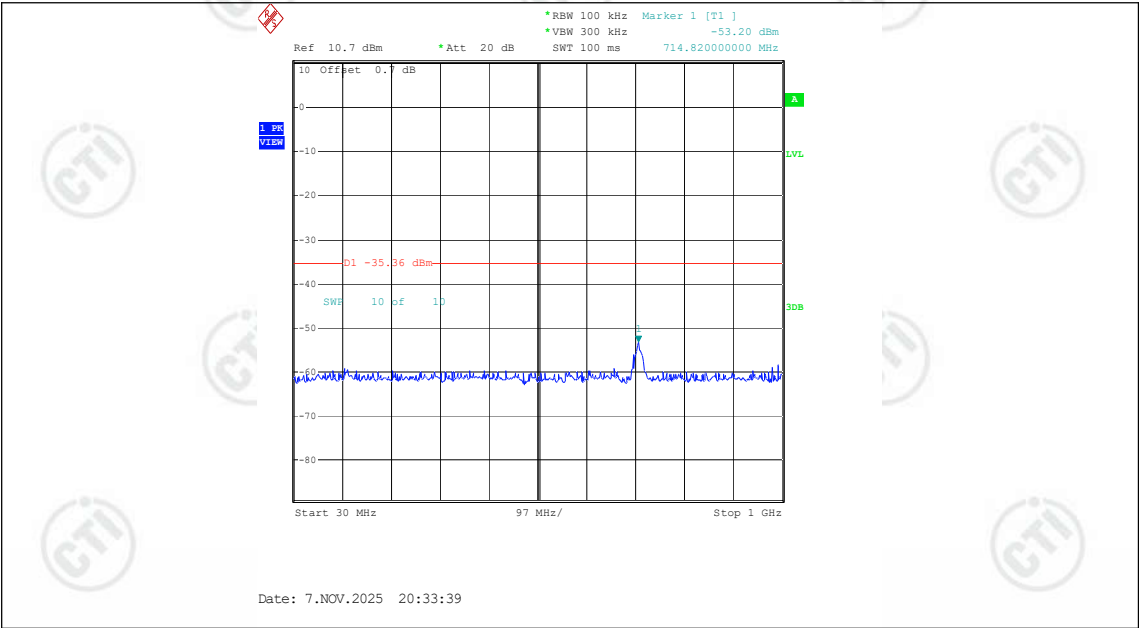
11N40SISO-Ant1-2437-30~1000-PASS



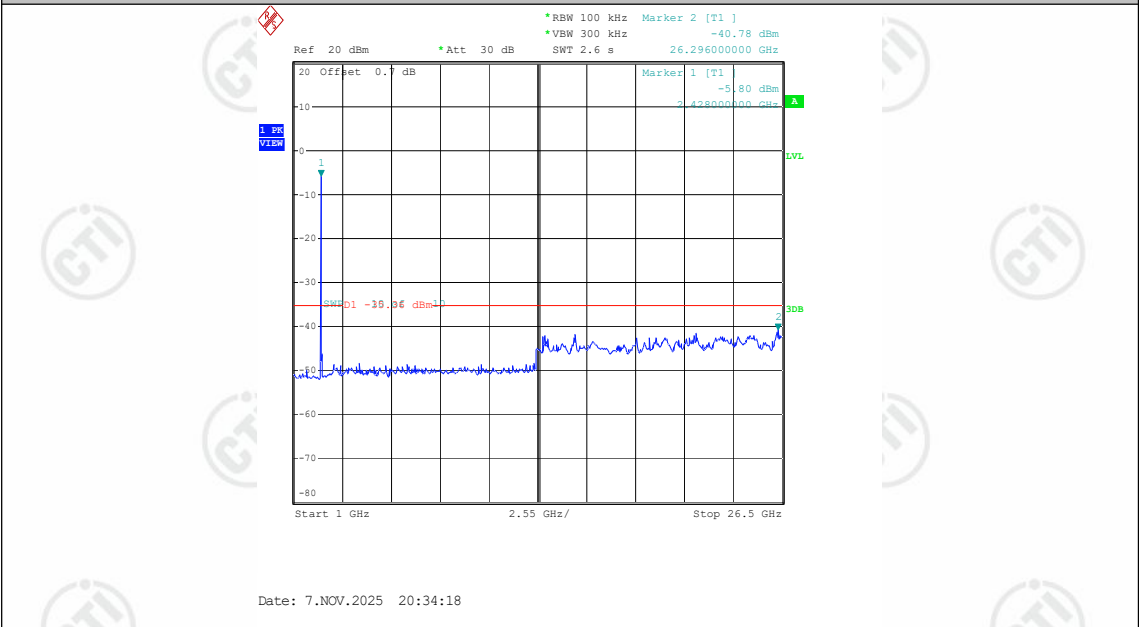
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



11N40SISO-Ant1-2452-30~1000-PASS



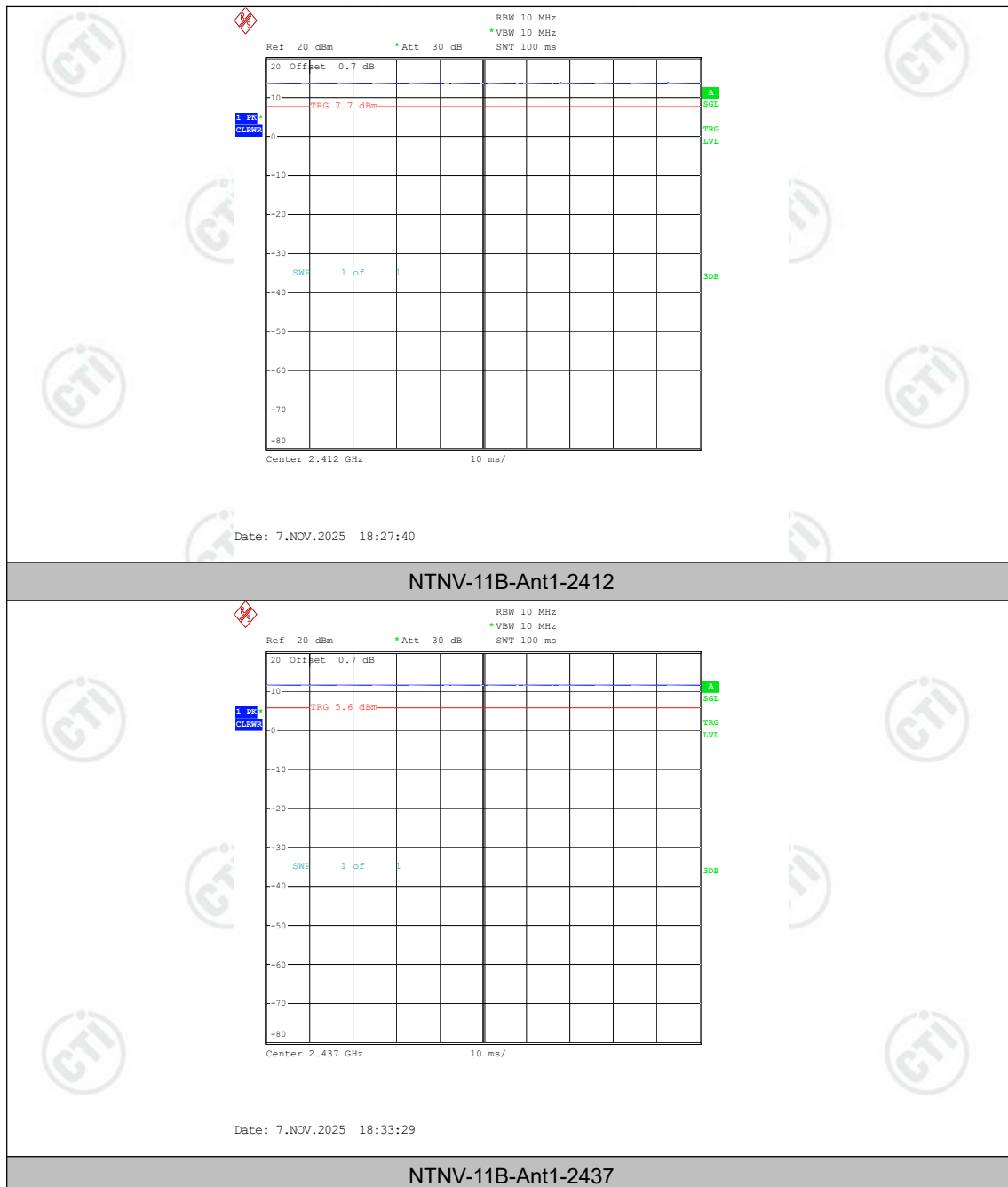
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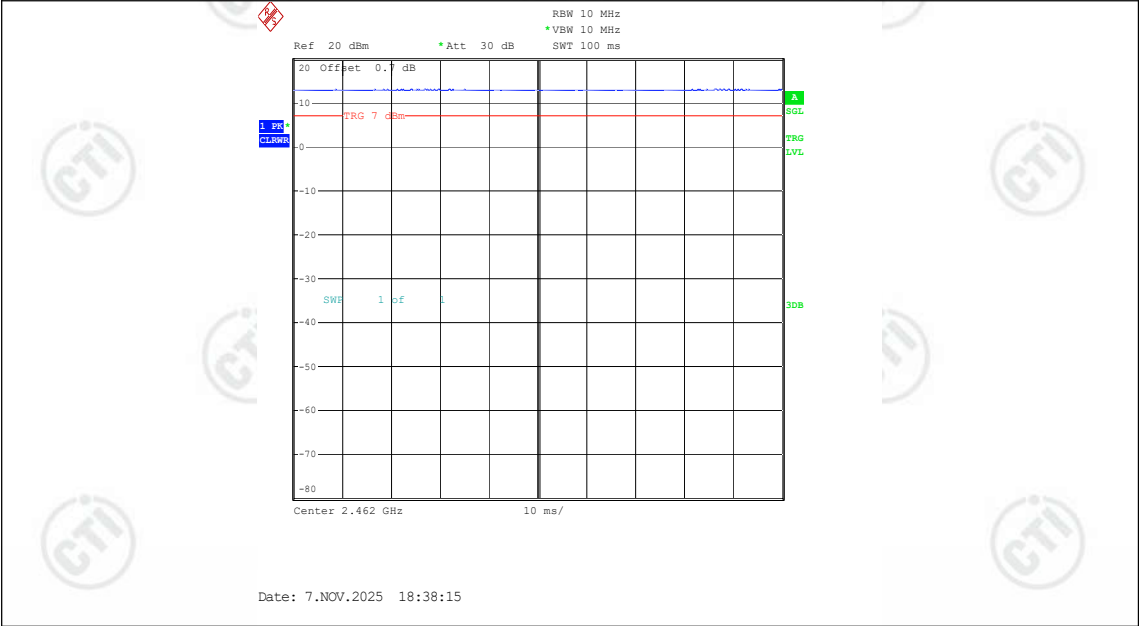
Appendix G: Duty Cycle

Test Result

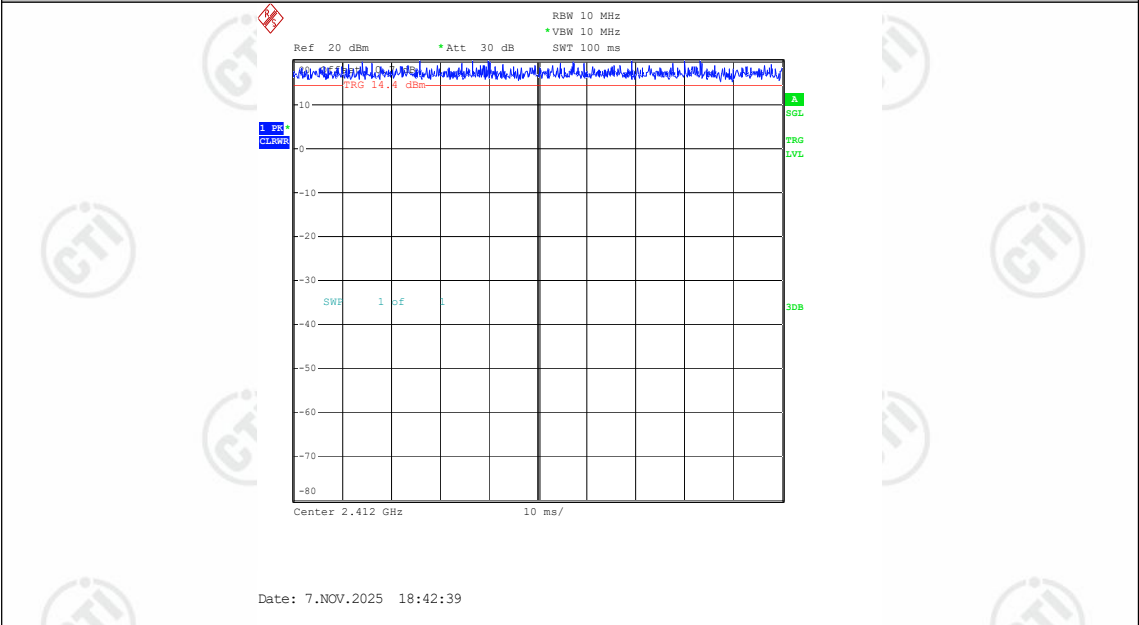
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2462	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2452	100.00	100.00	100.00	0.00

Test Graphs

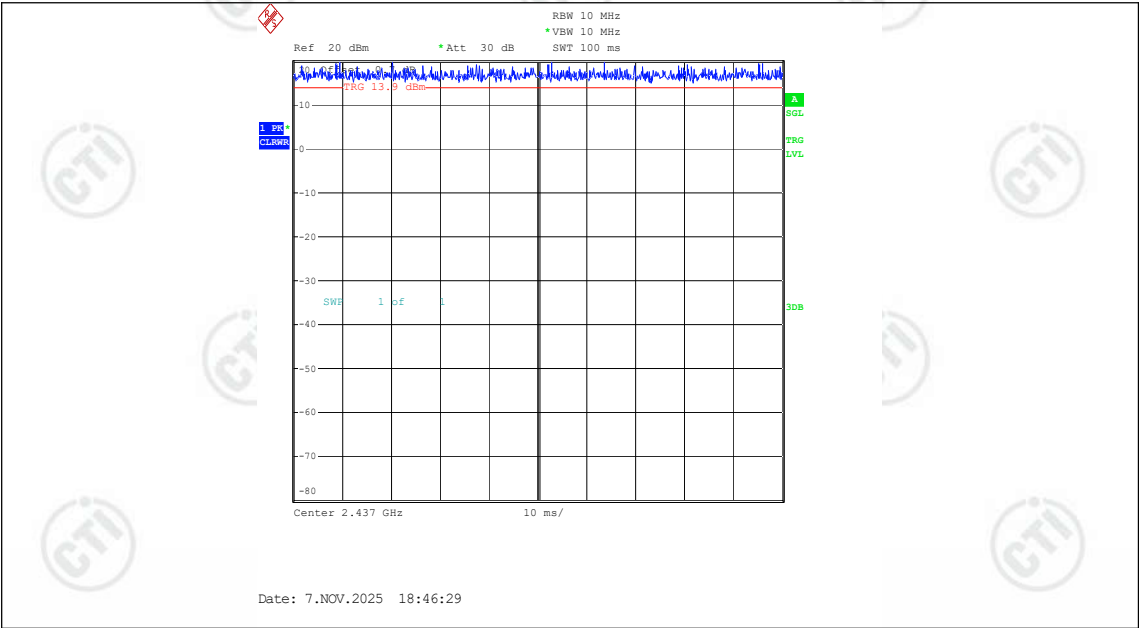




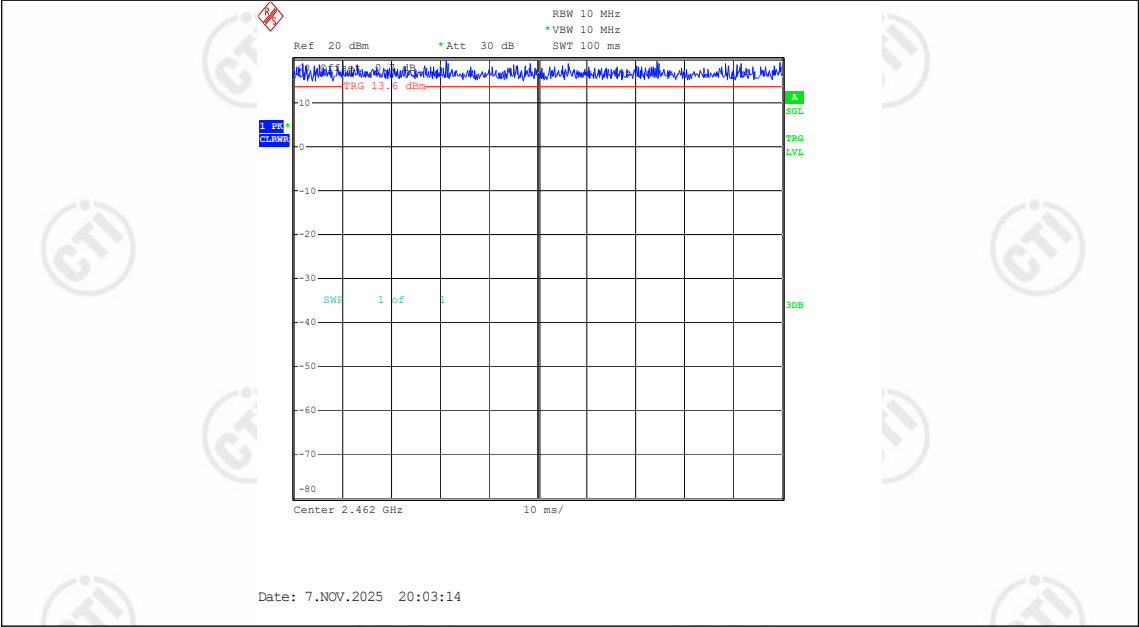
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437

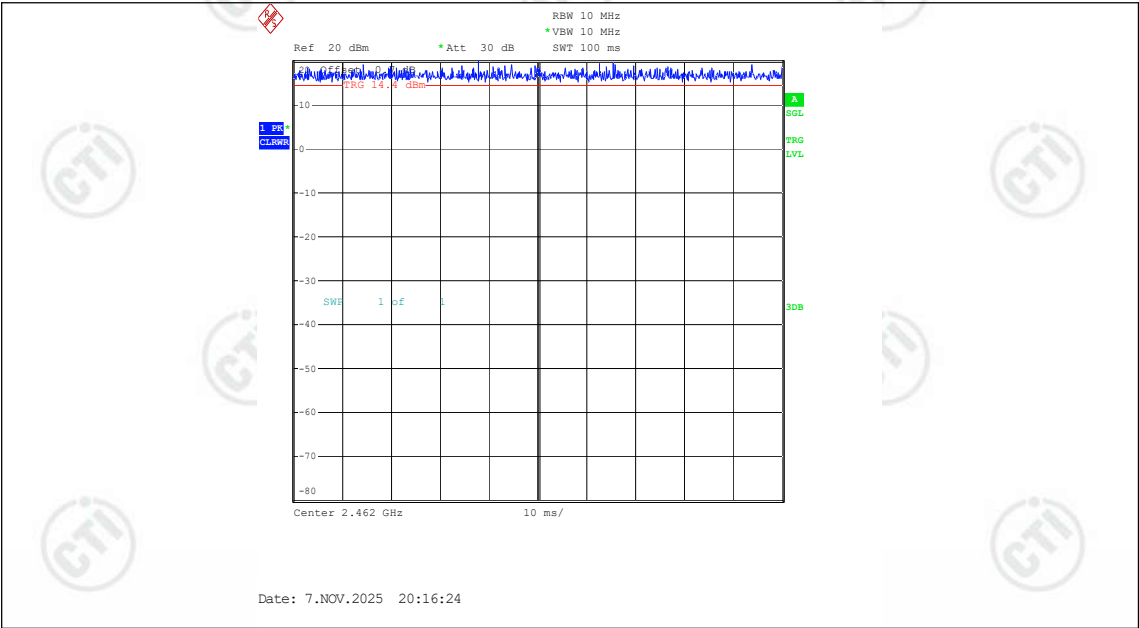


NTNV-11G-Ant1-2462

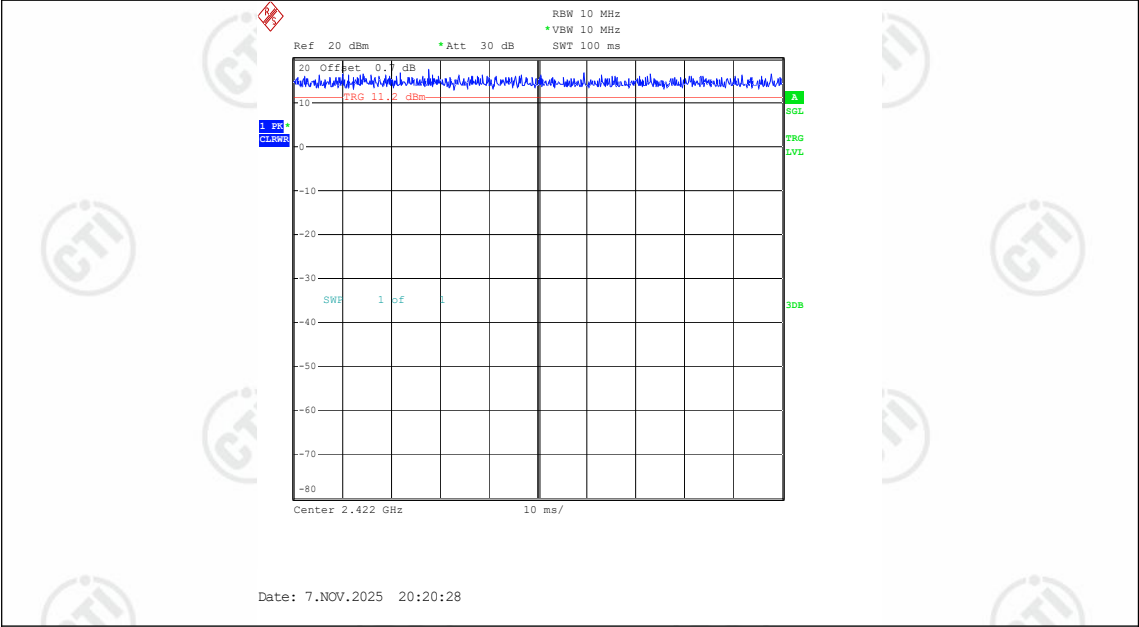


Date: 7.NOV.2025 20:12:44

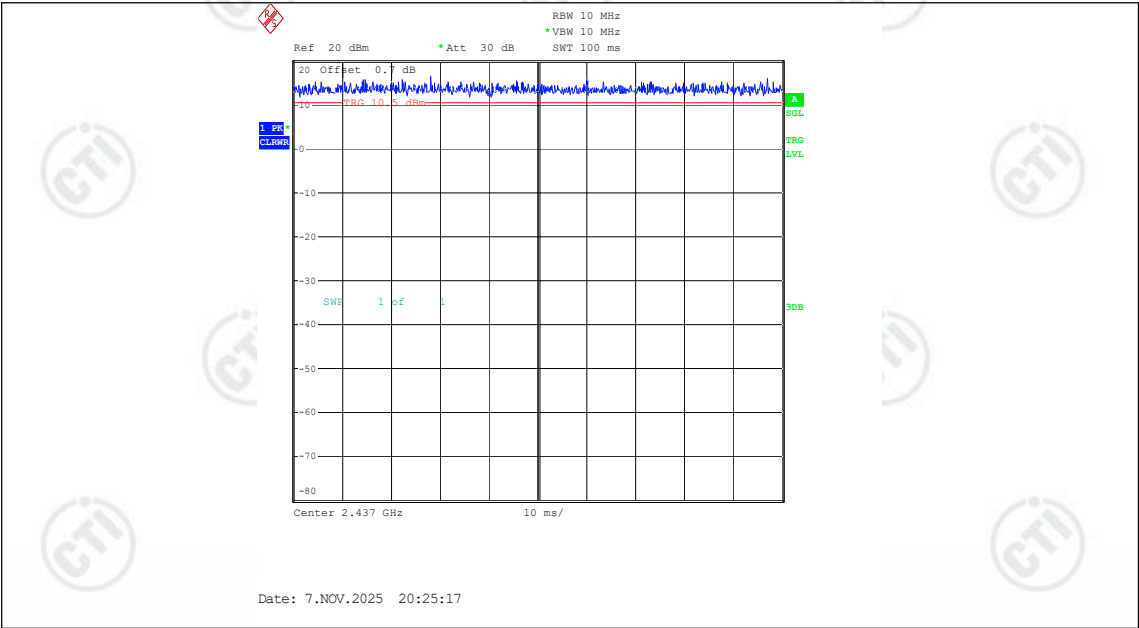
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



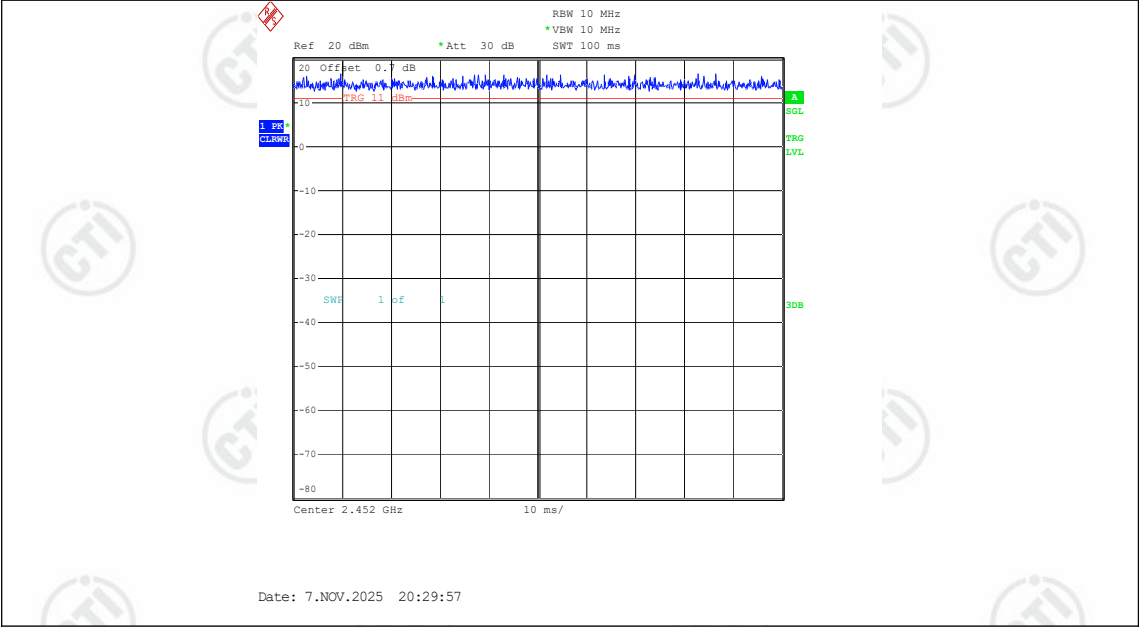
NTNV-11N20SISO-Ant1-2462



NTNV-11N40SISO-Ant1-2422



NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

*** End of Report ***