

Appendix: 2.4G Wi-Fi

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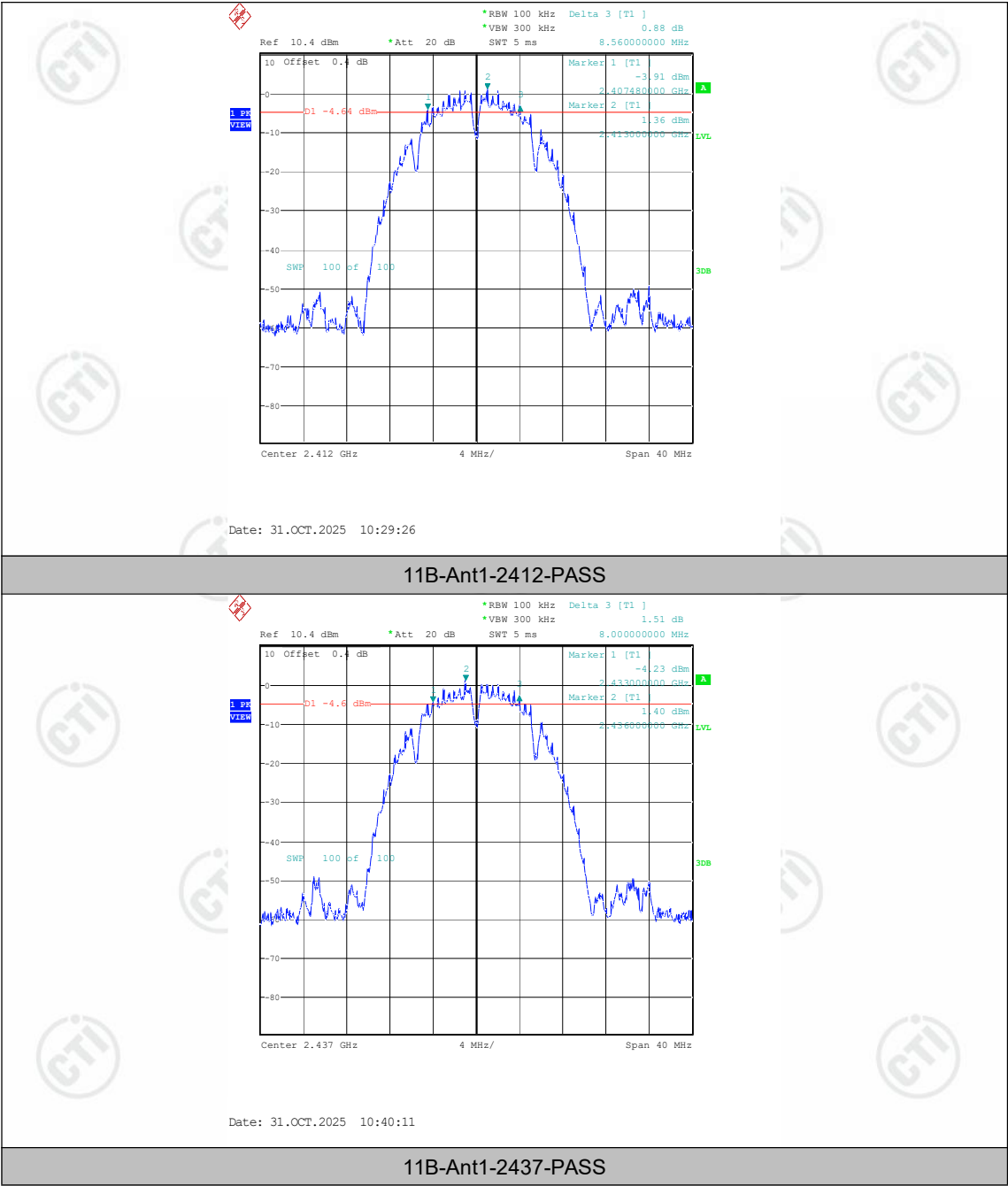
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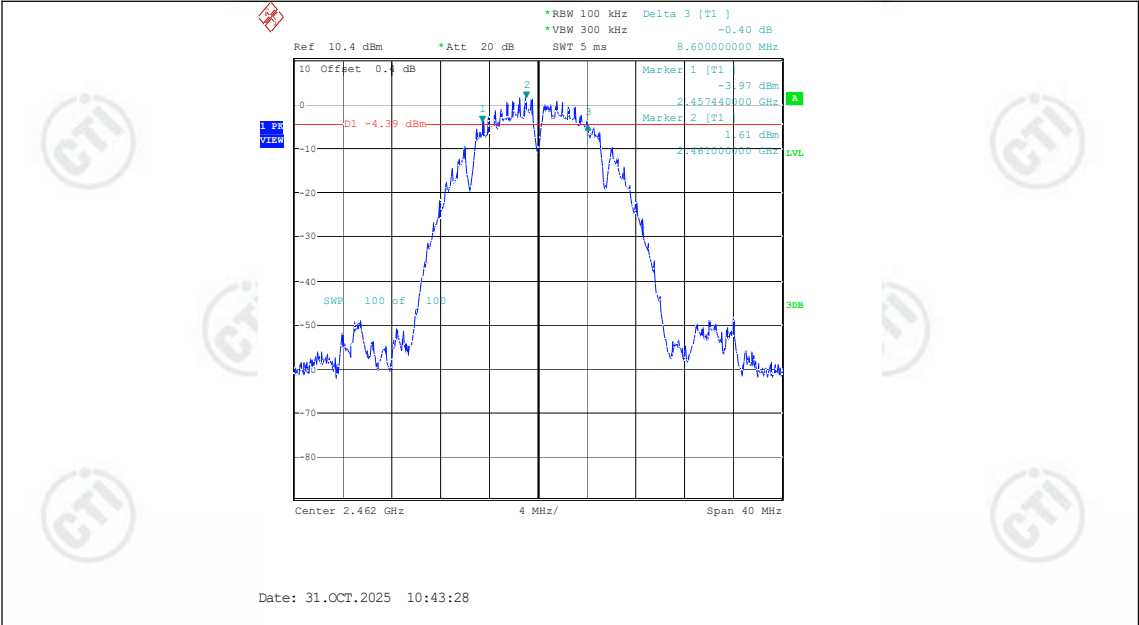
Appendix A: DTS Bandwidth

Test Result

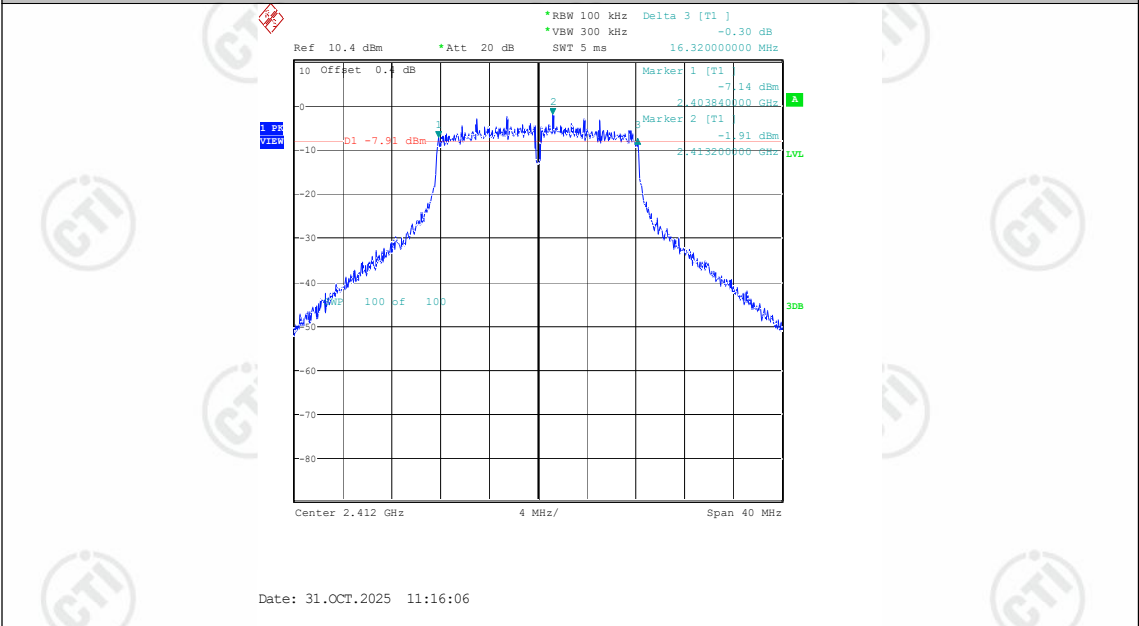
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.56	2407.48	2416.04	0.5	PASS
11B	Ant1	2437	8.00	2433.00	2441.00	0.5	PASS
11B	Ant1	2462	8.60	2457.44	2466.04	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
11G	Ant1	2437	16.28	2428.84	2445.12	0.5	PASS
11G	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
11N20SISO	Ant1	2412	16.56	2403.84	2420.40	0.5	PASS
11N20SISO	Ant1	2437	17.28	2428.20	2445.48	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.20	2470.80	0.5	PASS
11N40SISO	Ant1	2422	34.16	2404.72	2438.88	0.5	PASS
11N40SISO	Ant1	2437	35.44	2419.08	2454.52	0.5	PASS
11N40SISO	Ant1	2452	33.36	2434.88	2468.24	0.5	PASS
11AX20SISO	Ant1	2412	18.36	2402.84	2421.20	0.5	PASS
11AX20SISO	Ant1	2437	18.08	2428.00	2446.08	0.5	PASS
11AX20SISO	Ant1	2462	18.36	2452.64	2471.00	0.5	PASS
11AX40SISO	Ant1	2422	37.20	2403.28	2440.48	0.5	PASS
11AX40SISO	Ant1	2437	36.96	2418.76	2455.72	0.5	PASS
11AX40SISO	Ant1	2452	37.44	2433.20	2470.64	0.5	PASS

Test Graphs

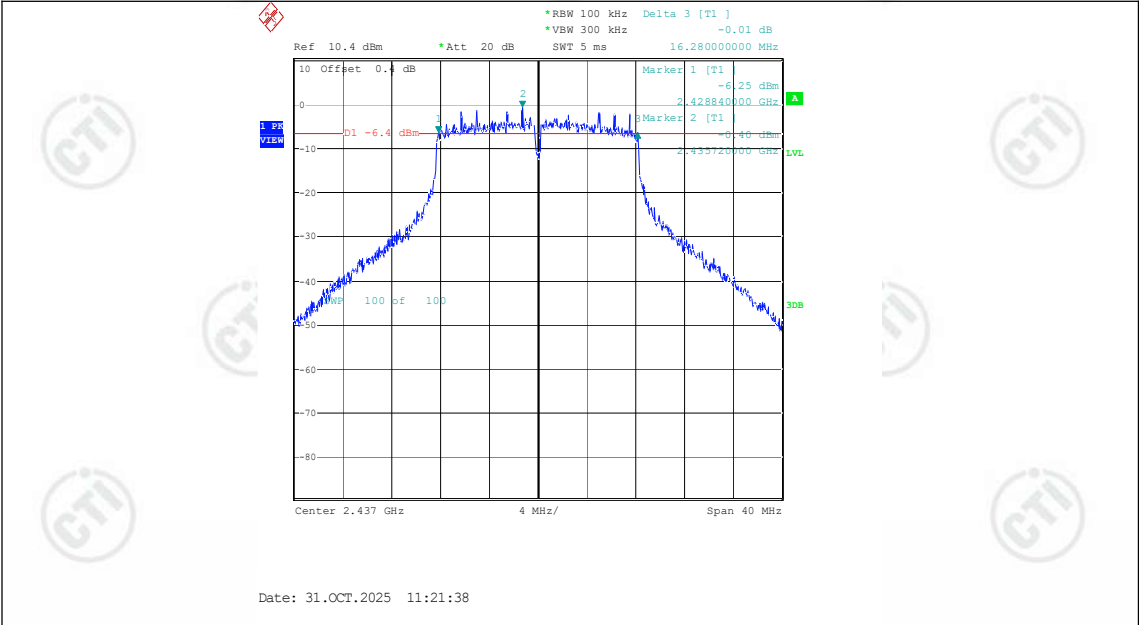




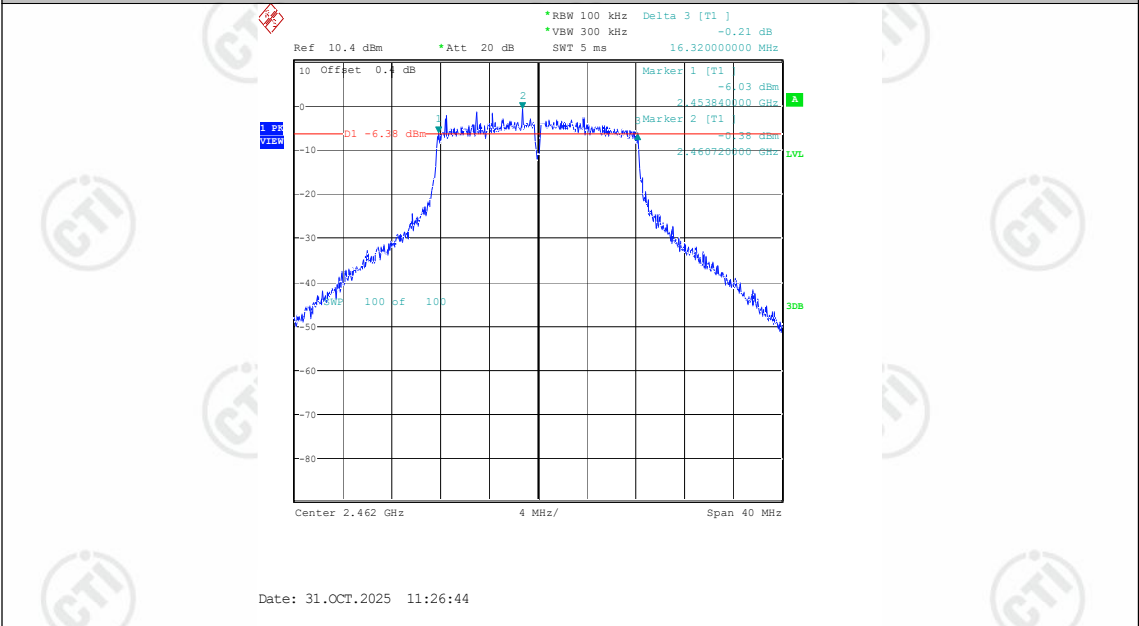
11B-Ant1-2462-PASS



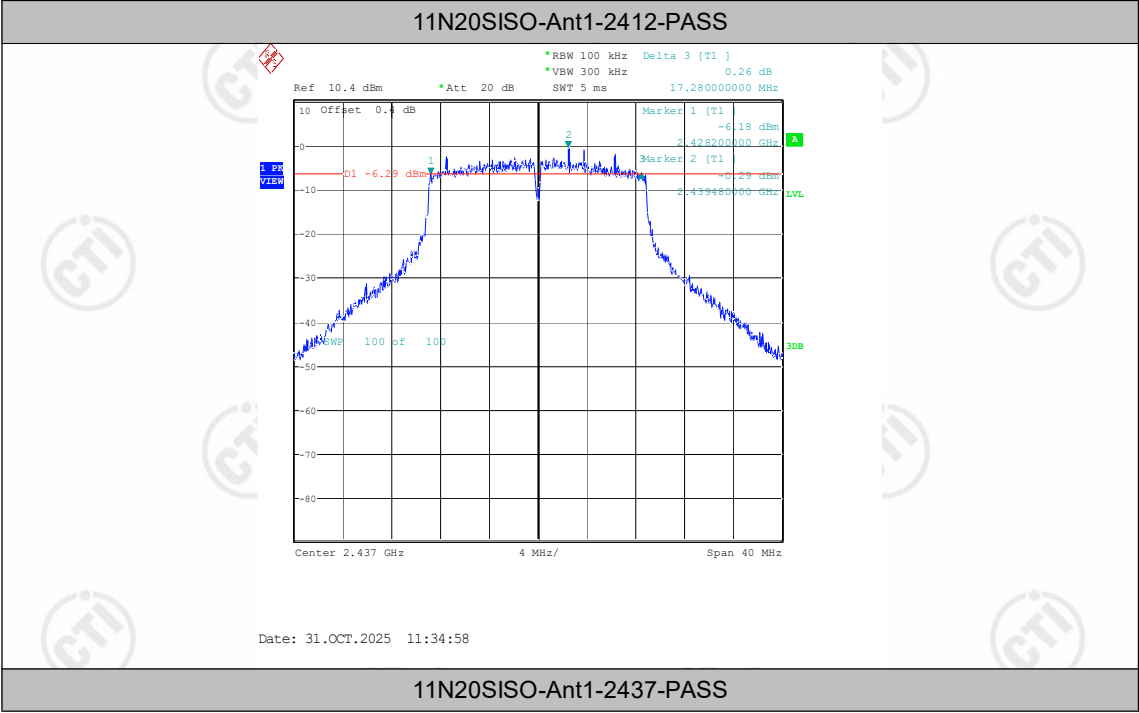
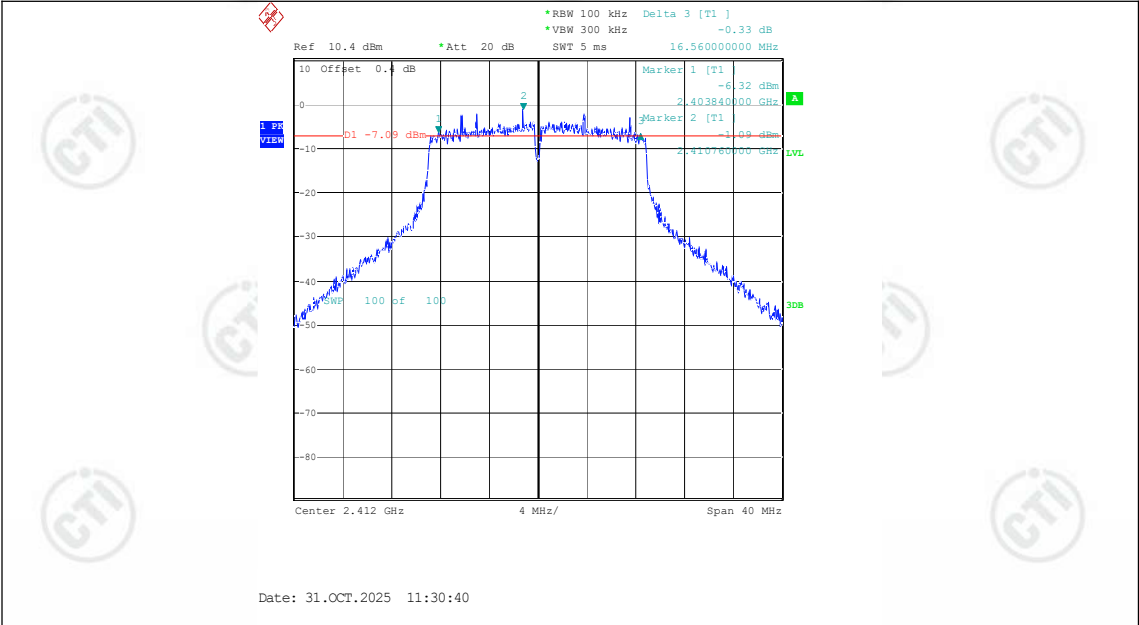
11G-Ant1-2412-PASS

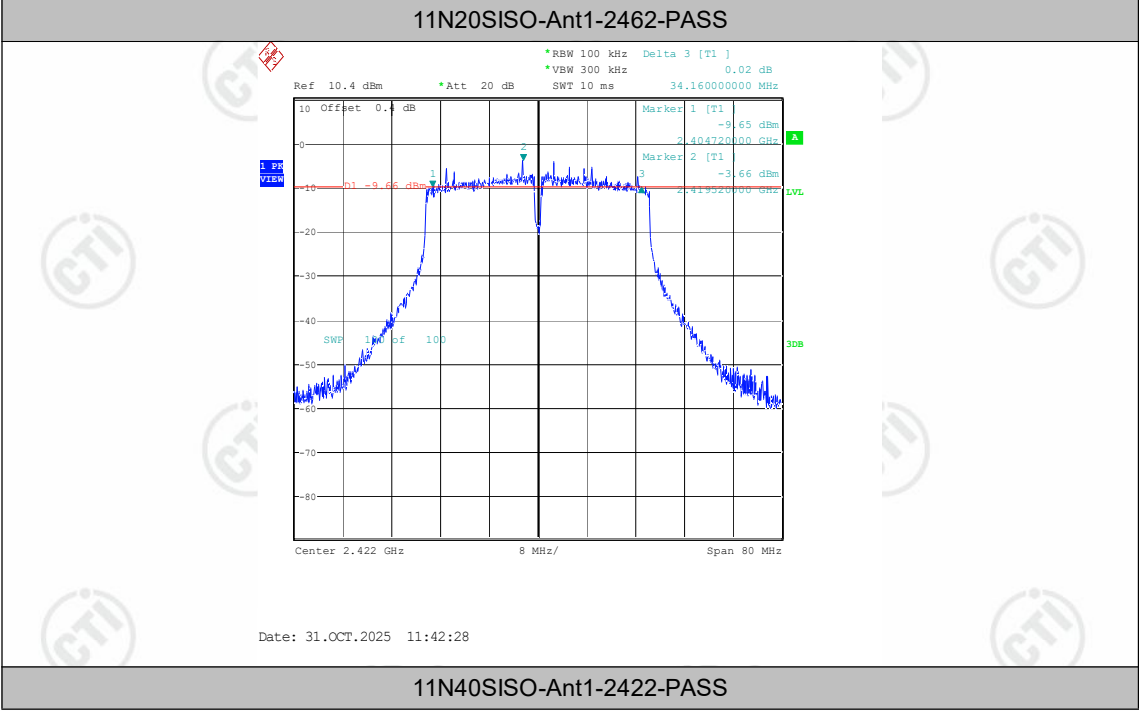
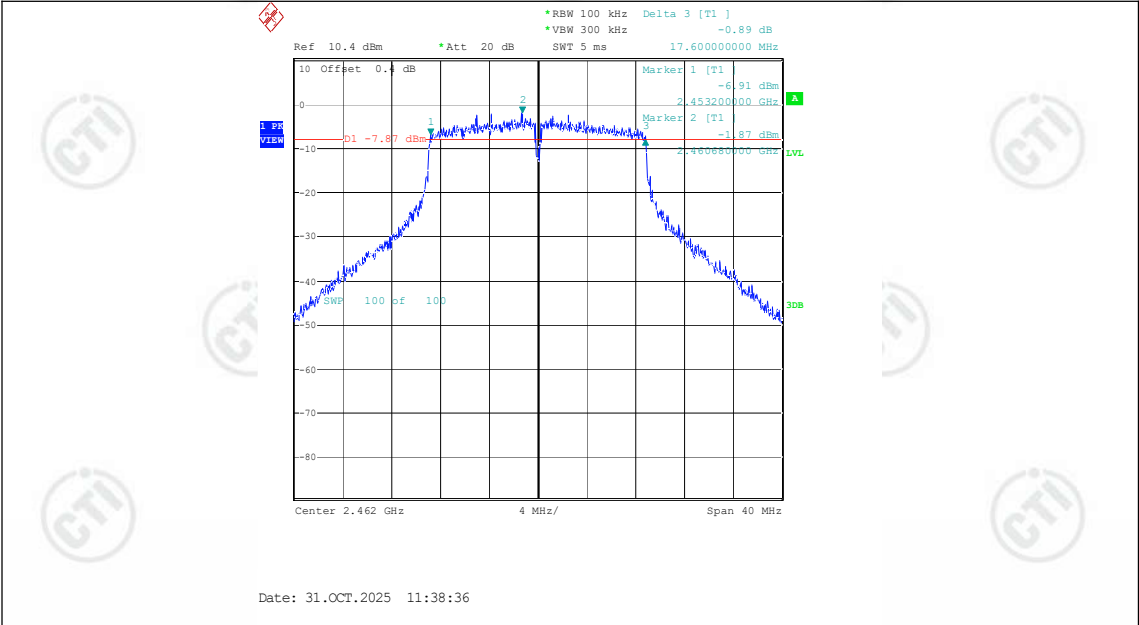


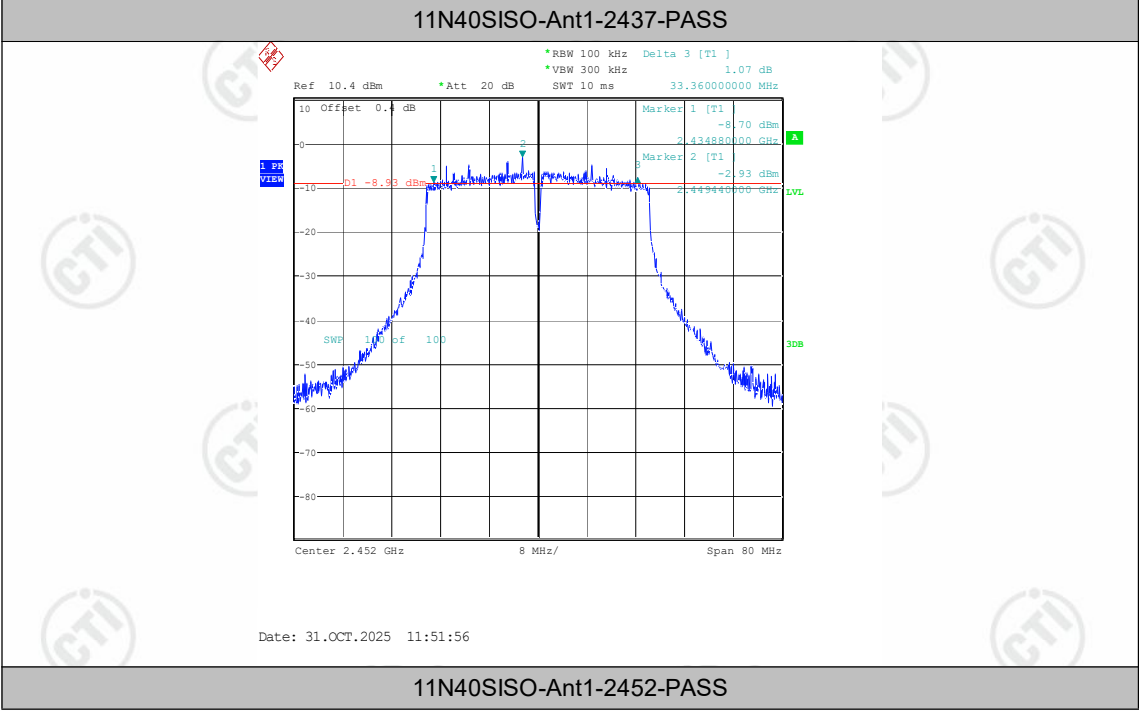
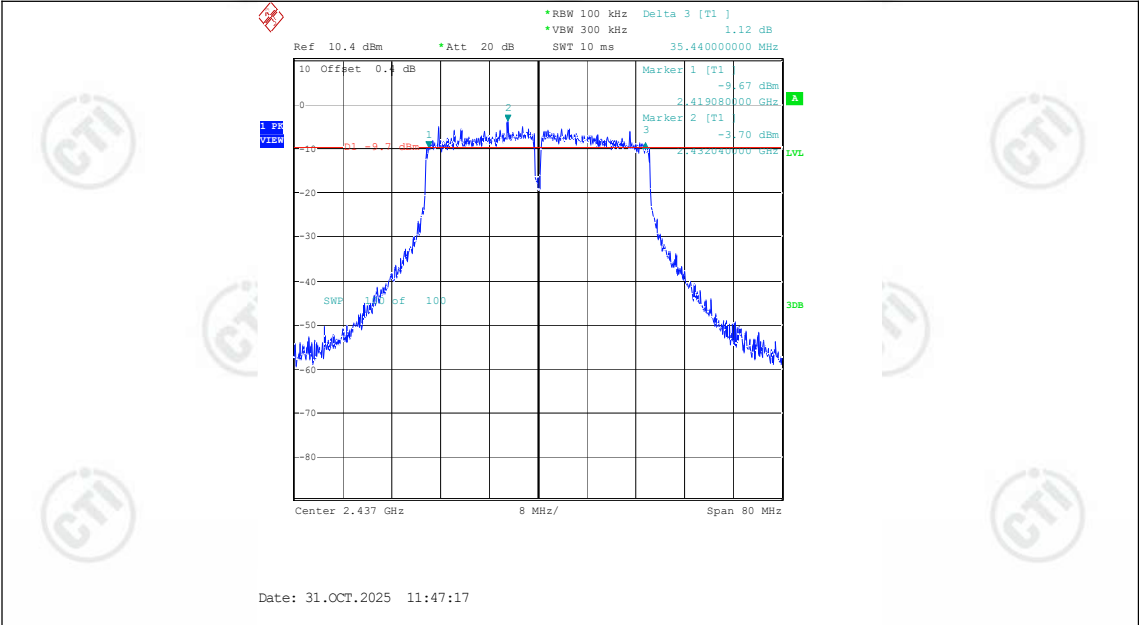
11G-Ant1-2437-PASS

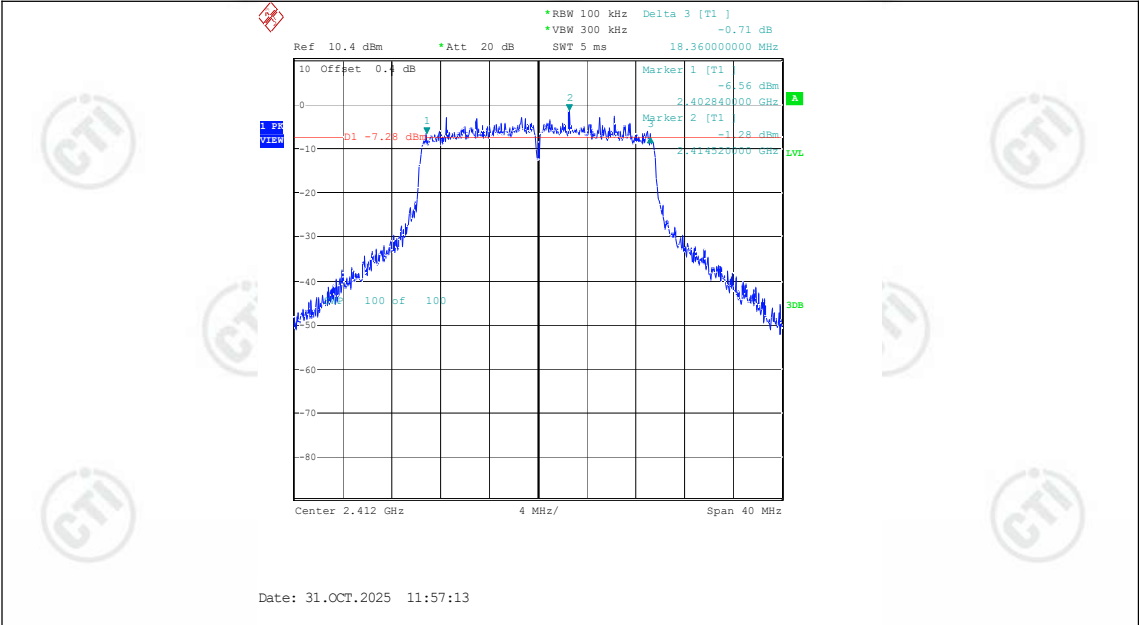


11G-Ant1-2462-PASS

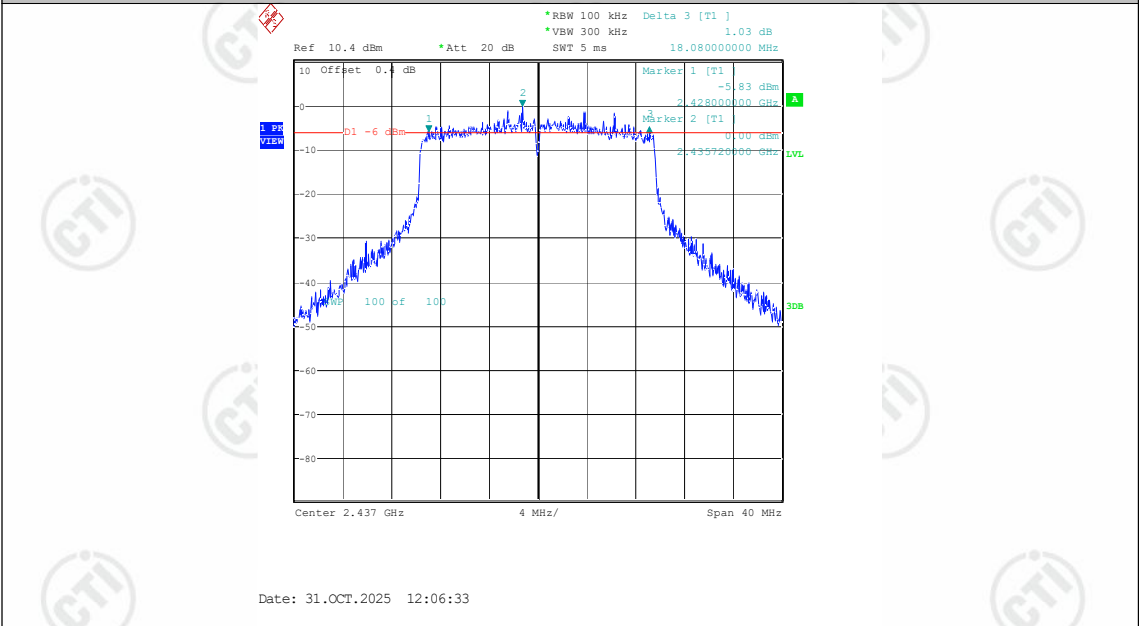




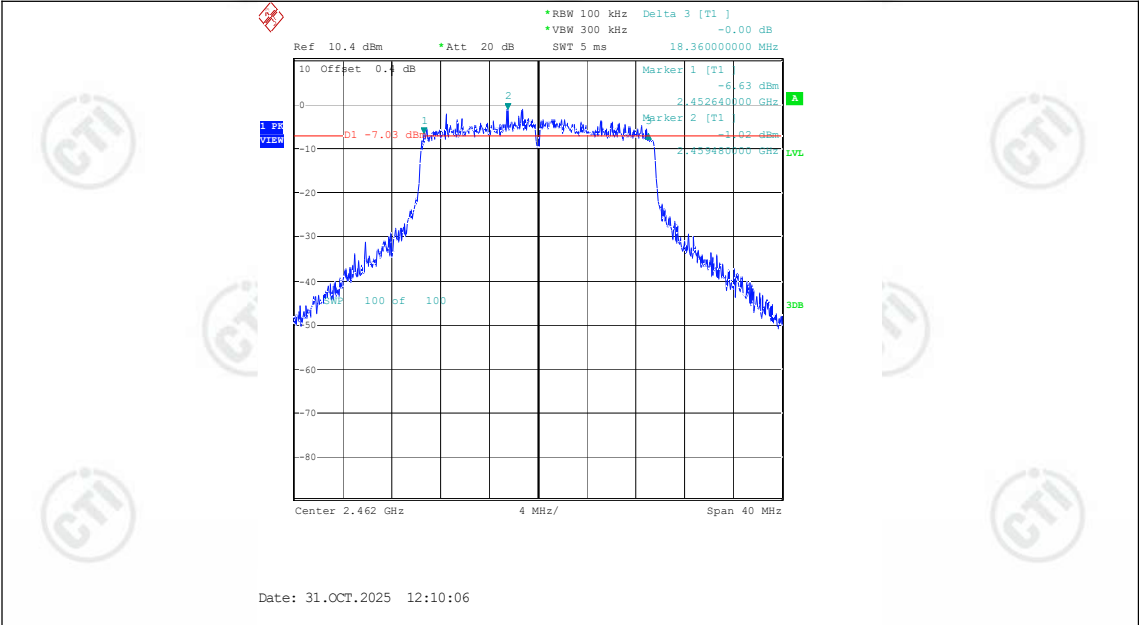




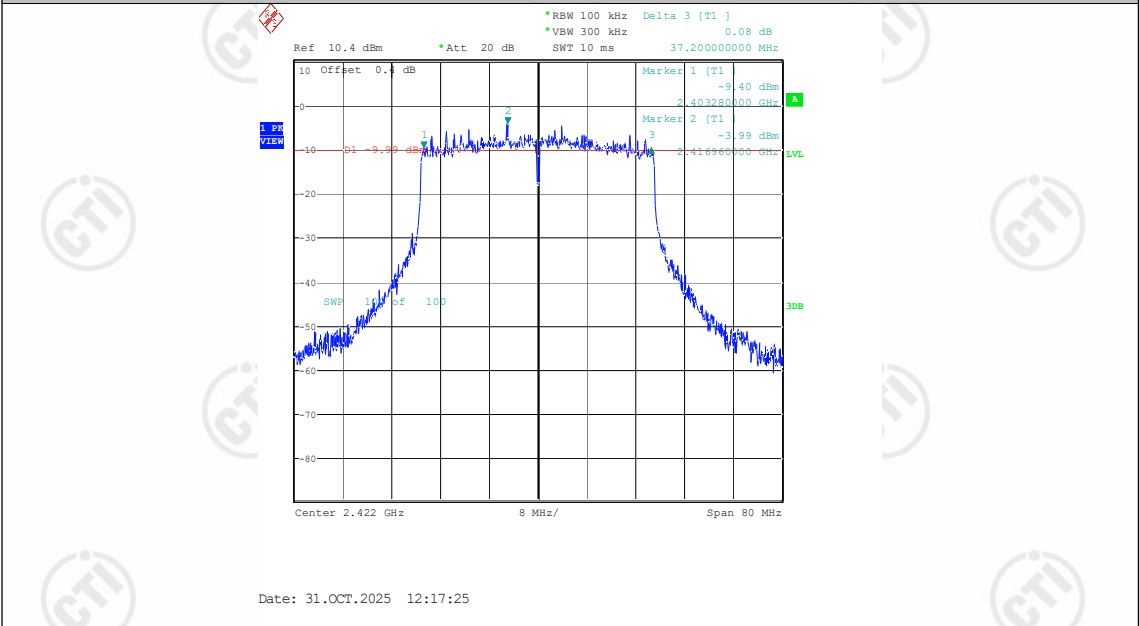
11AX20SISO-Ant1-2412-PASS



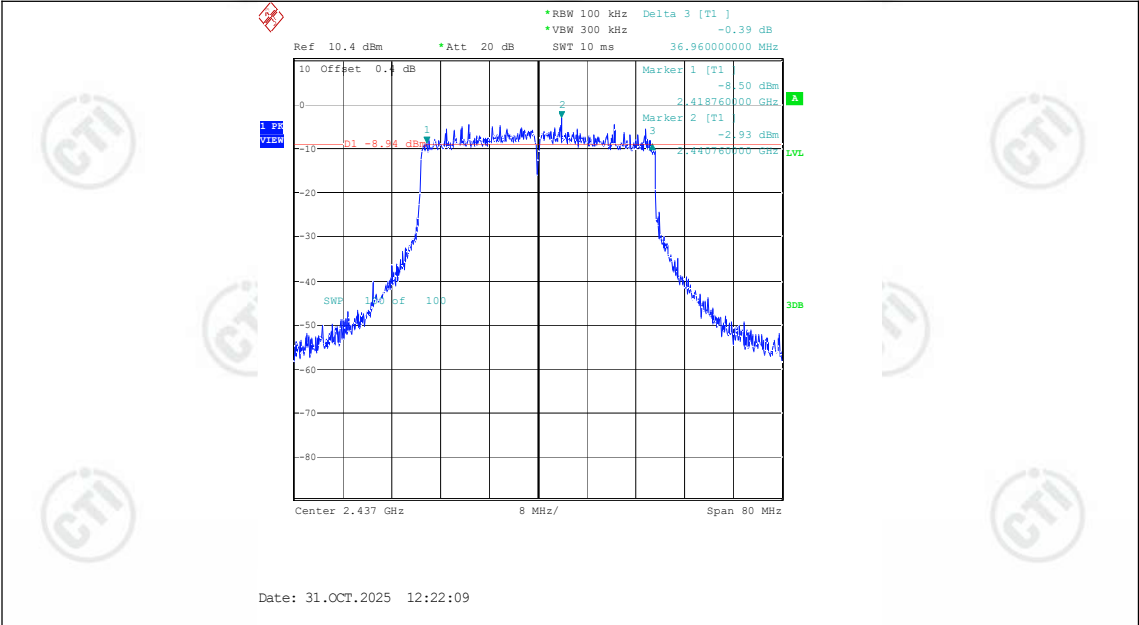
11AX20SISO-Ant1-2437-PASS



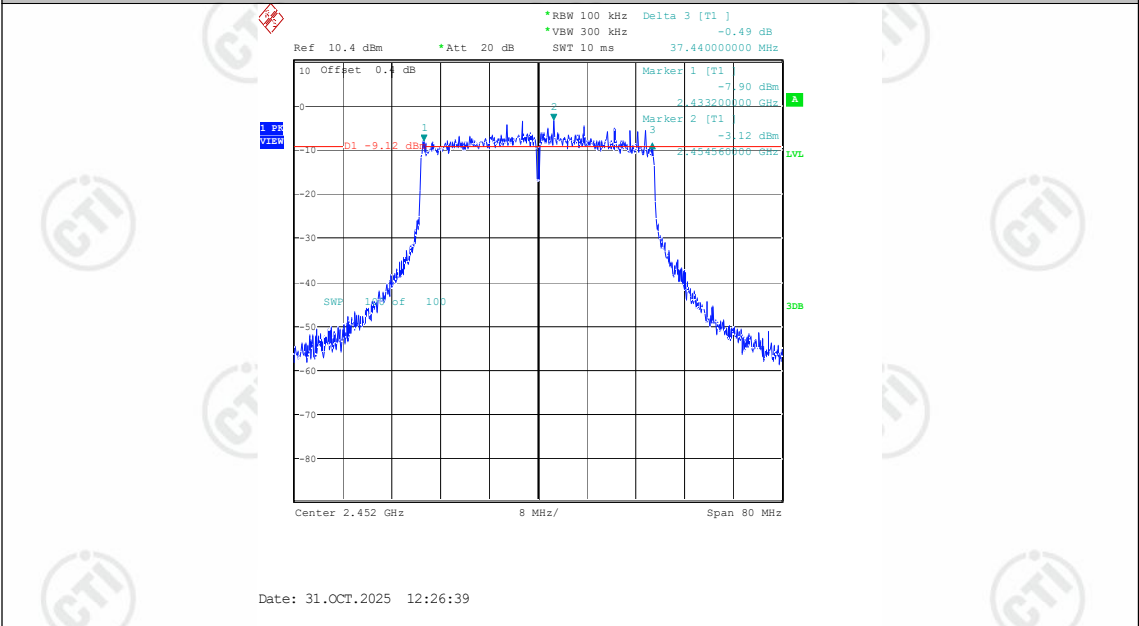
11AX20ISO-Ant1-2462-PASS



11AX40ISO-Ant1-2422-PASS



11AX40ISO-Ant1-2437-PASS

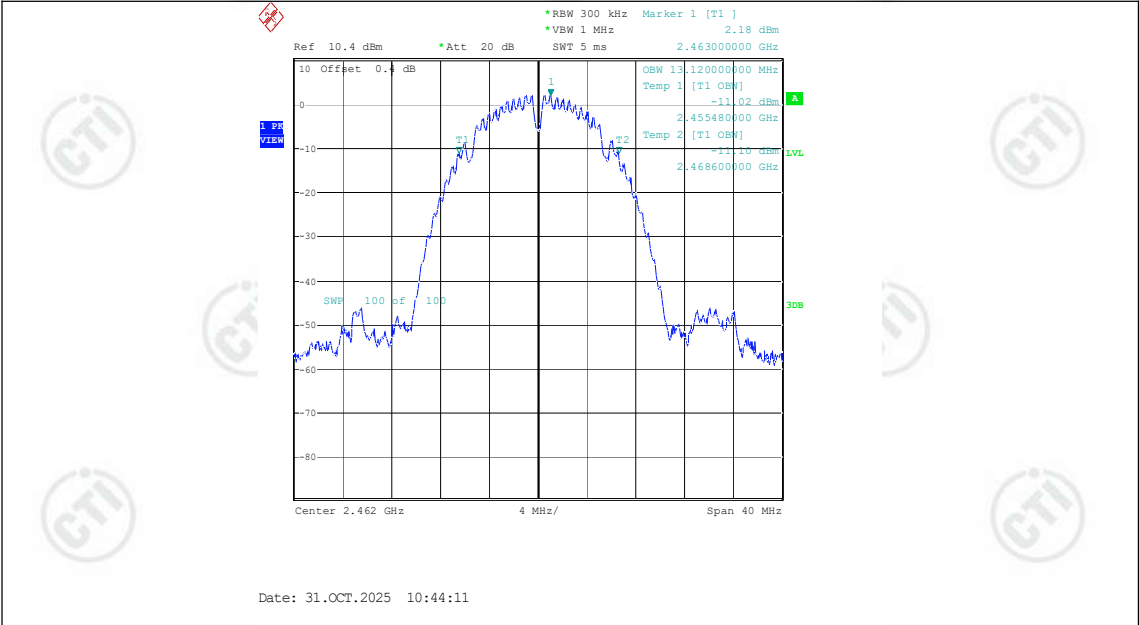


11AX40ISO-Ant1-2452-PASS

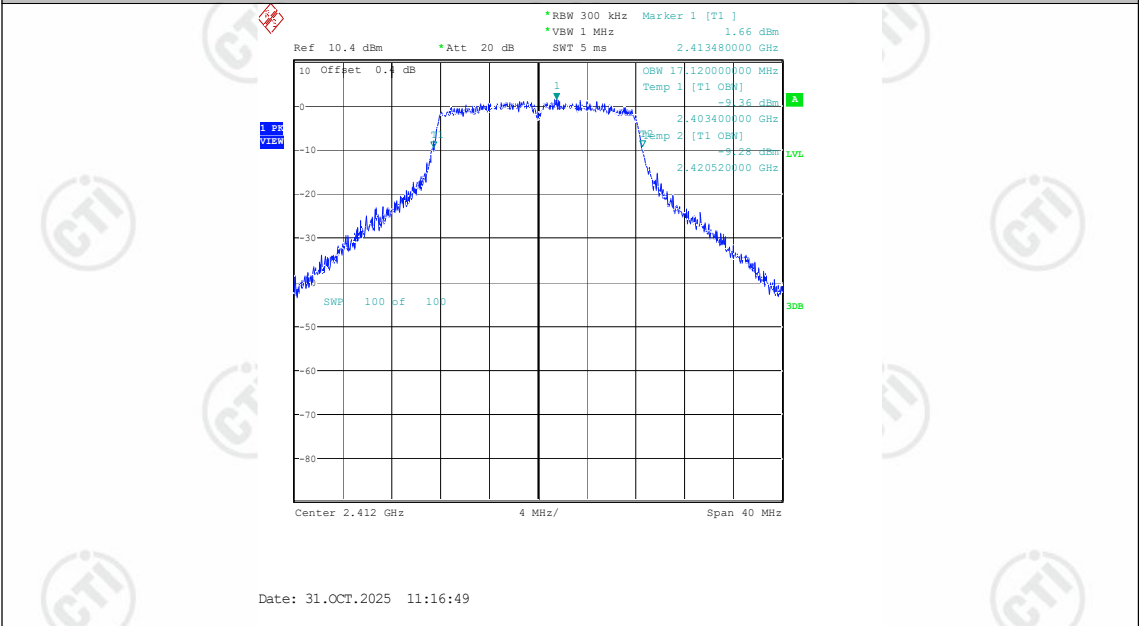
Appendix B: Occupied Channel Bandwidth

Test Result

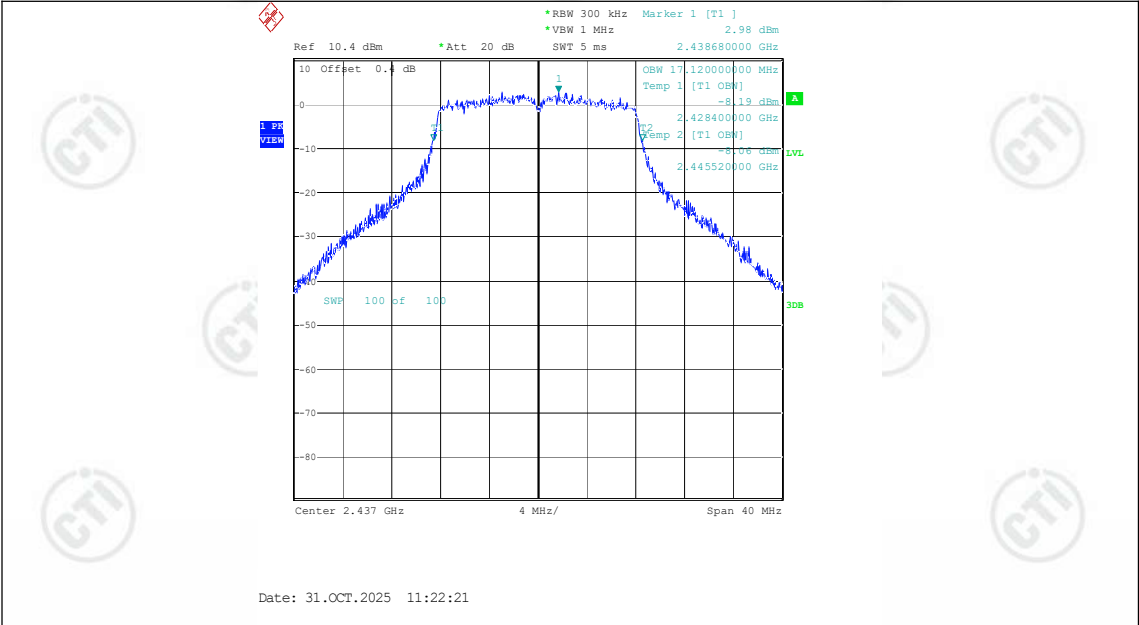
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.080	---	---
11B	Ant1	2437	13.080	---	---
11B	Ant1	2462	13.120	---	---
11G	Ant1	2412	17.120	---	---
11G	Ant1	2437	17.120	---	---
11G	Ant1	2462	17.080	---	---
11N20SISO	Ant1	2412	18.280	---	---
11N20SISO	Ant1	2437	18.240	---	---
11N20SISO	Ant1	2462	18.280	---	---
11N40SISO	Ant1	2422	37.200	---	---
11N40SISO	Ant1	2437	37.280	---	---
11N40SISO	Ant1	2452	37.200	---	---
11AX20SISO	Ant1	2412	19.160	---	---
11AX20SISO	Ant1	2437	19.240	---	---
11AX20SISO	Ant1	2462	19.240	---	---
11AX40SISO	Ant1	2422	38.400	---	---
11AX40SISO	Ant1	2437	38.320	---	---
11AX40SISO	Ant1	2452	38.320	---	---



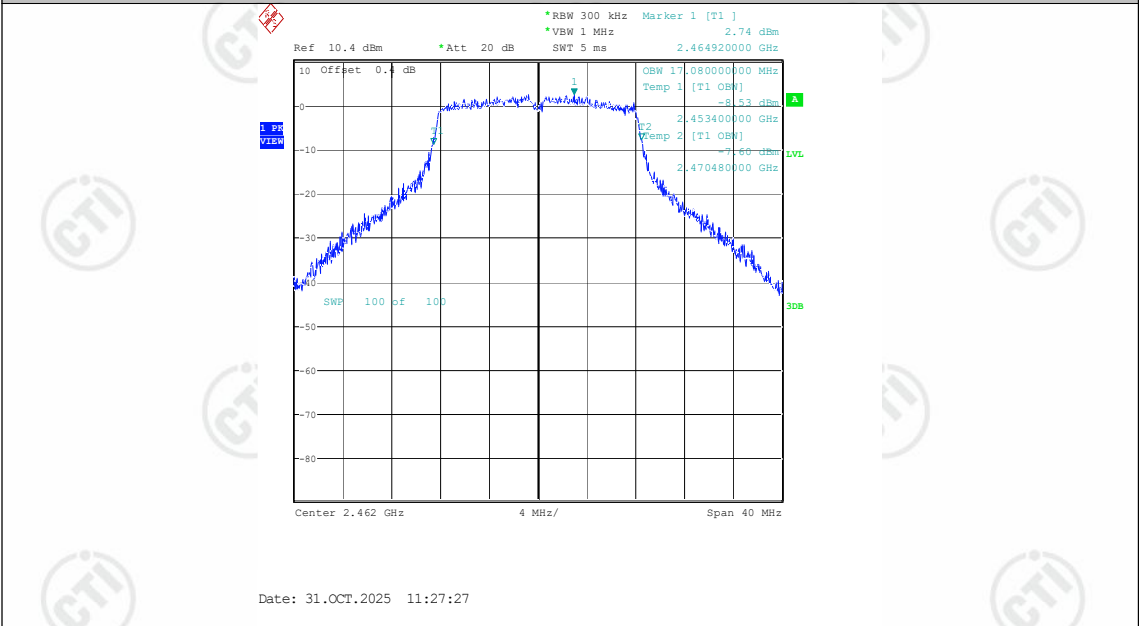
11B-Ant1-2462



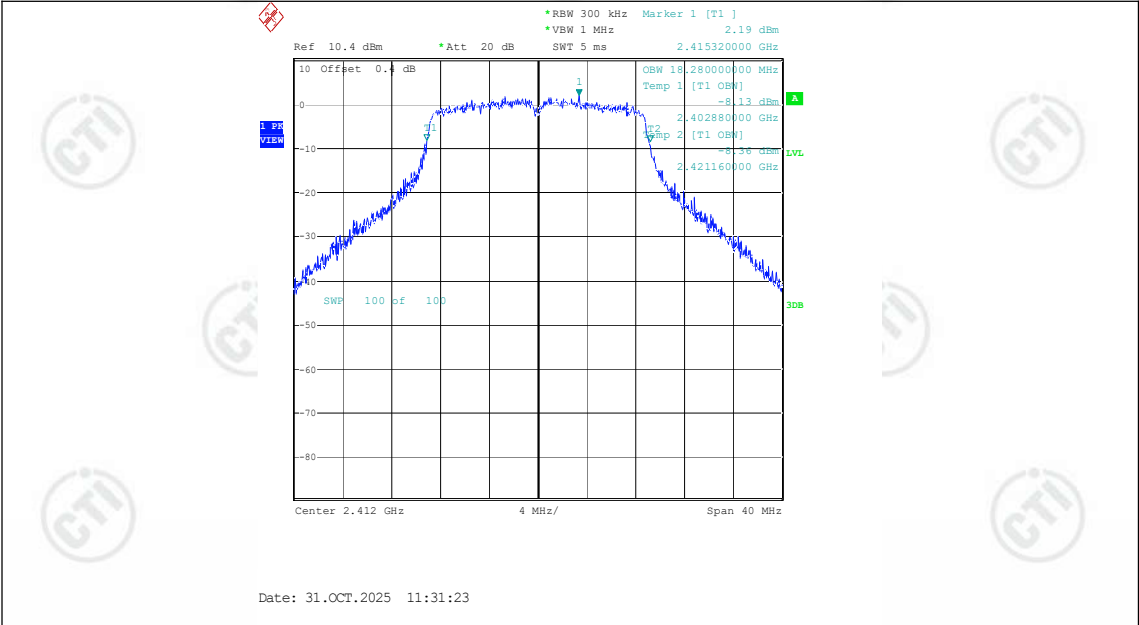
11G-Ant1-2412



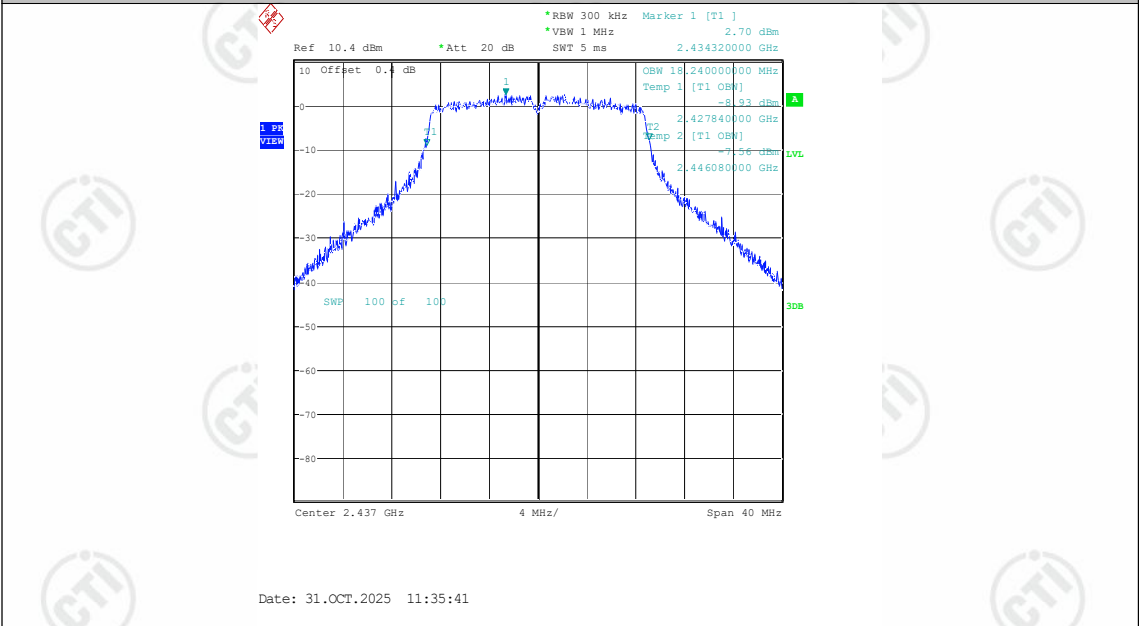
11G-Ant1-2437



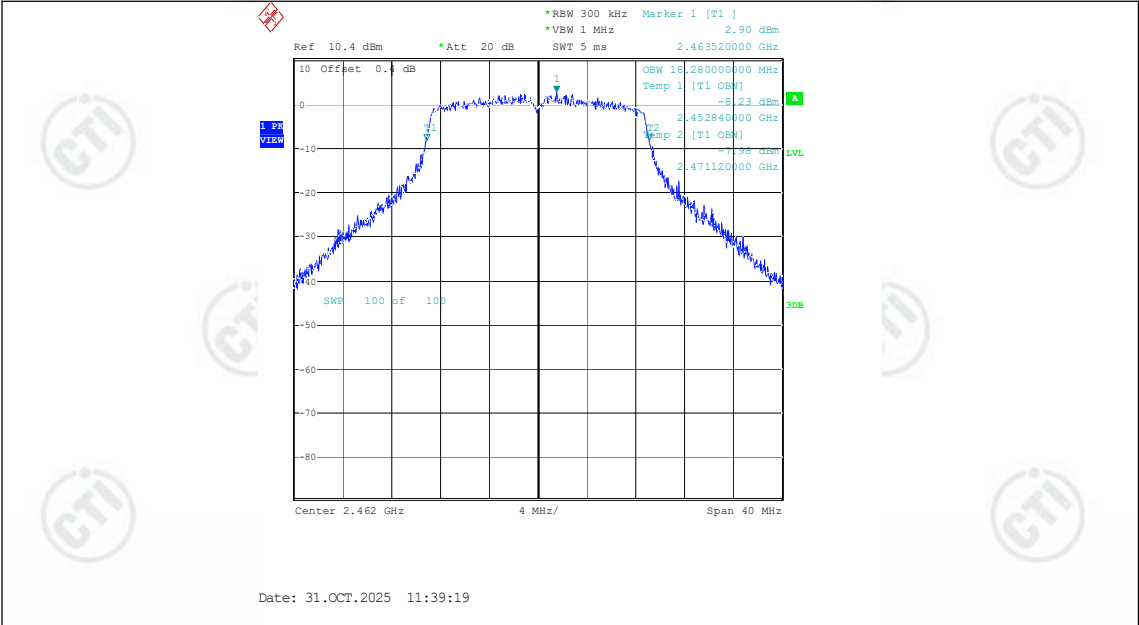
11G-Ant1-2462



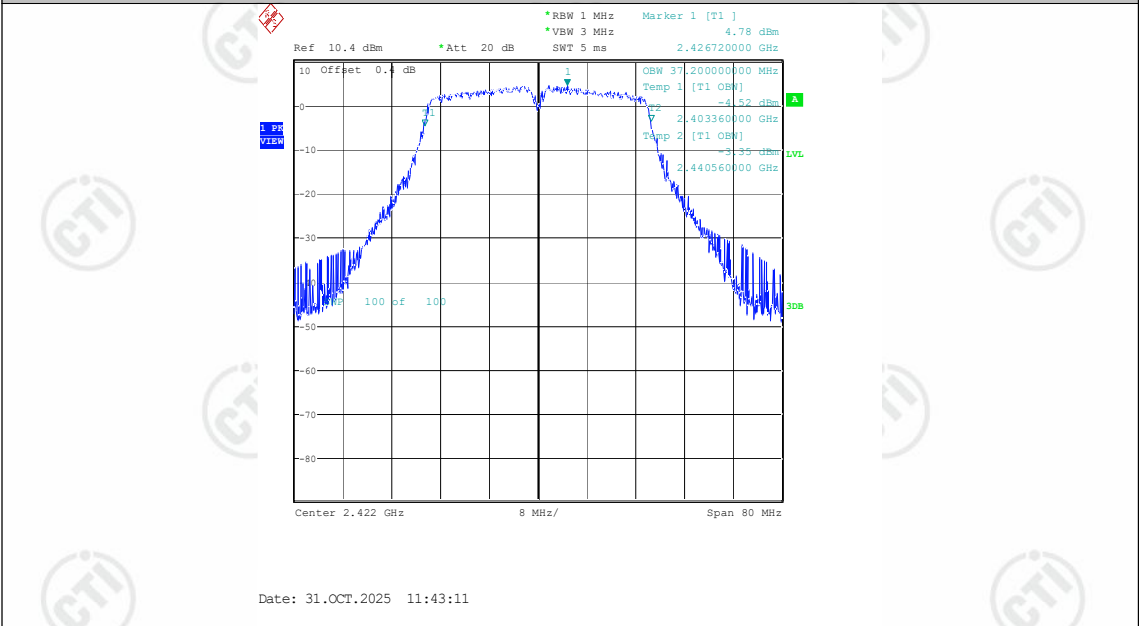
11N20SISO-Ant1-2412



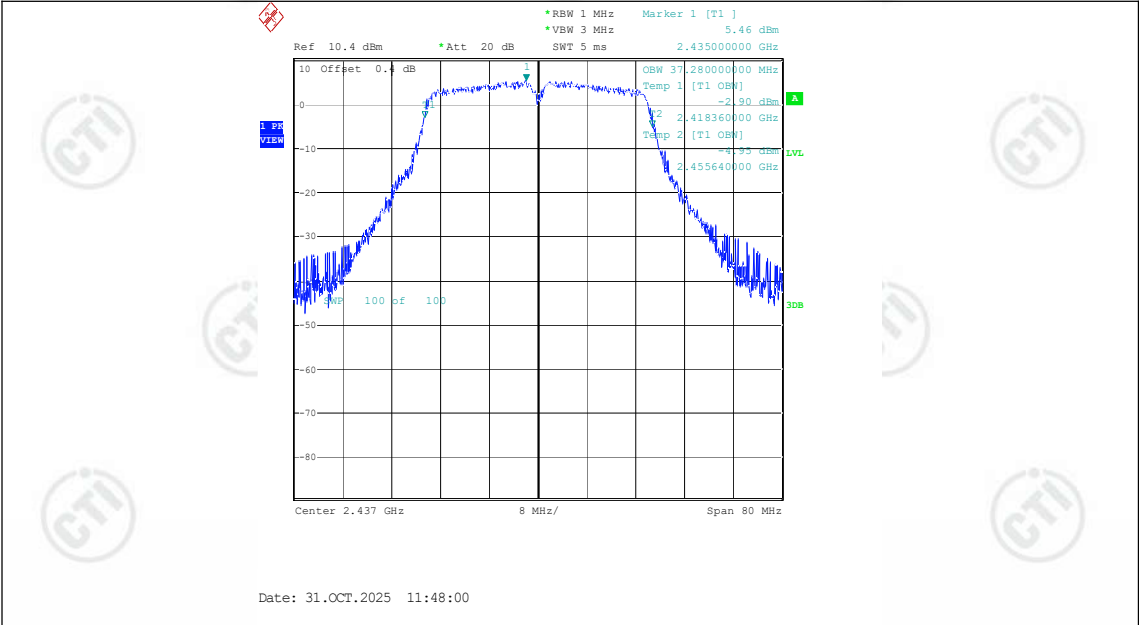
11N20SISO-Ant1-2437



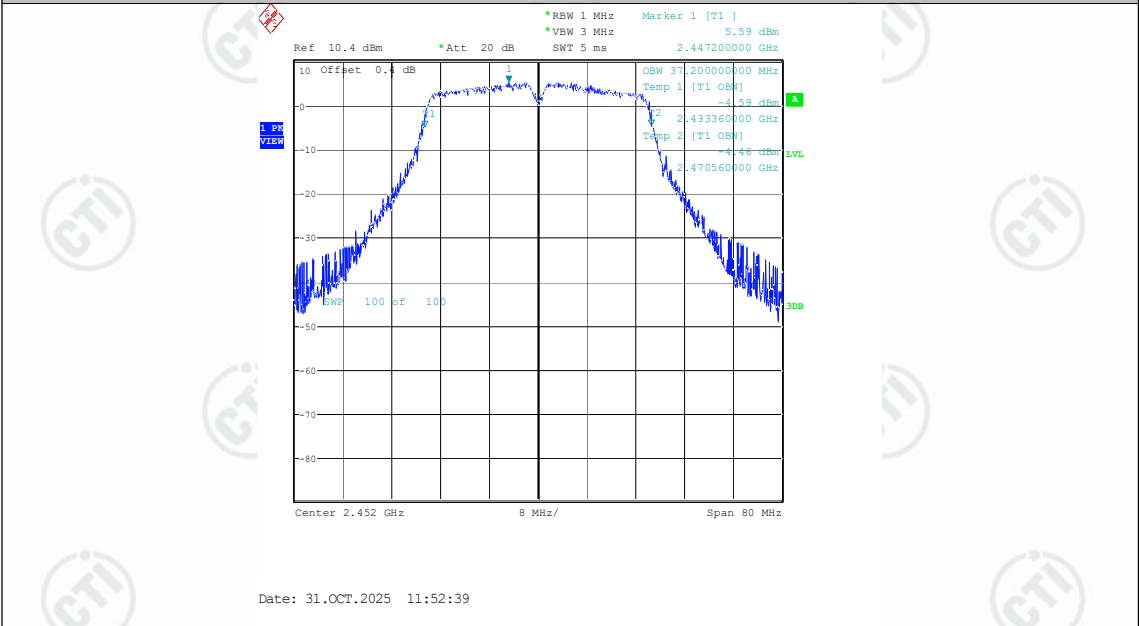
11N20SISO-Ant1-2462



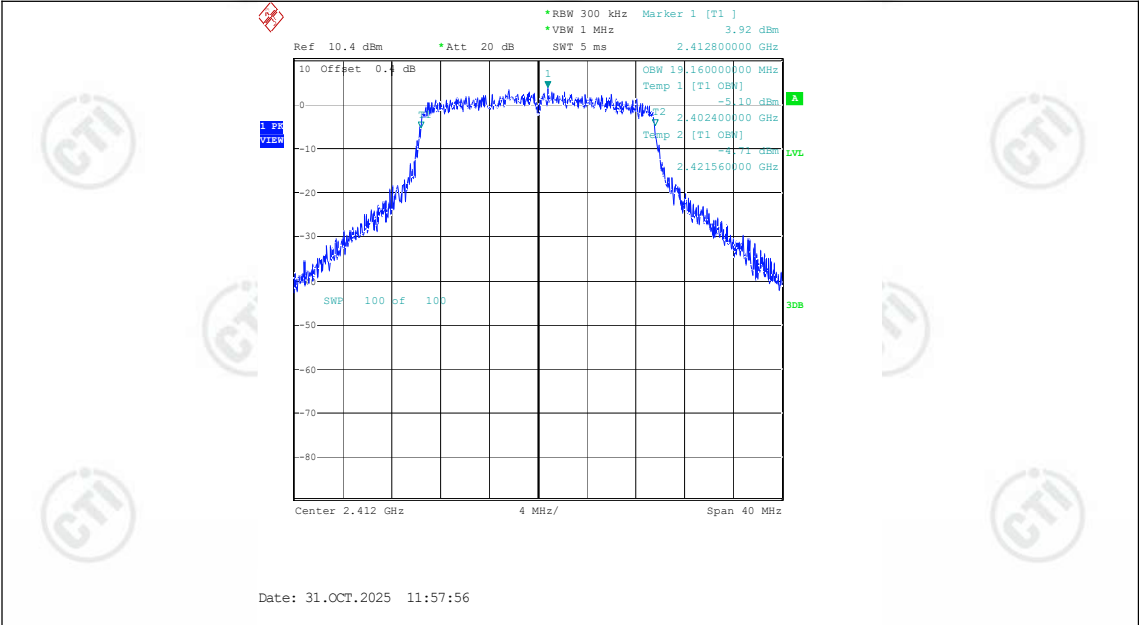
11N40SISO-Ant1-2422



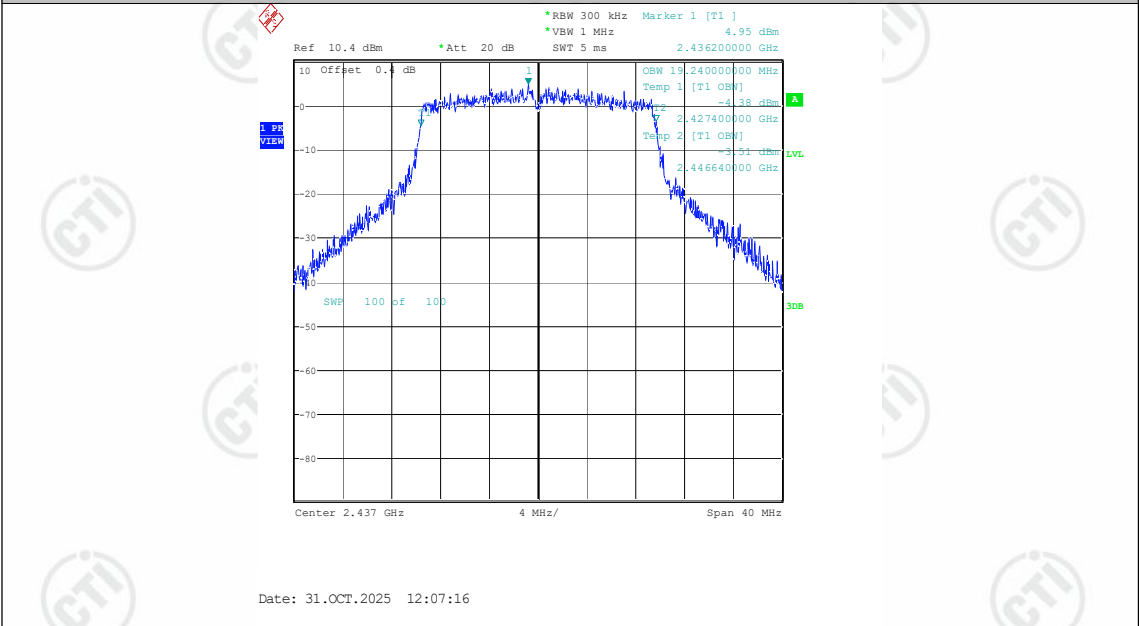
11N40SISO-Ant1-2437



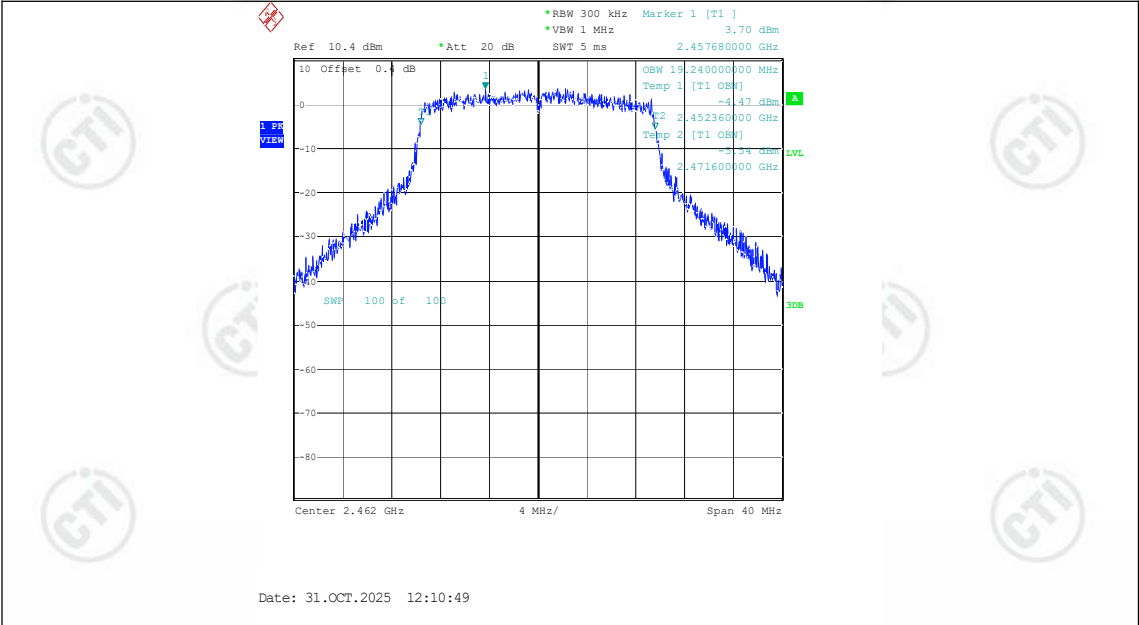
11N40SISO-Ant1-2452



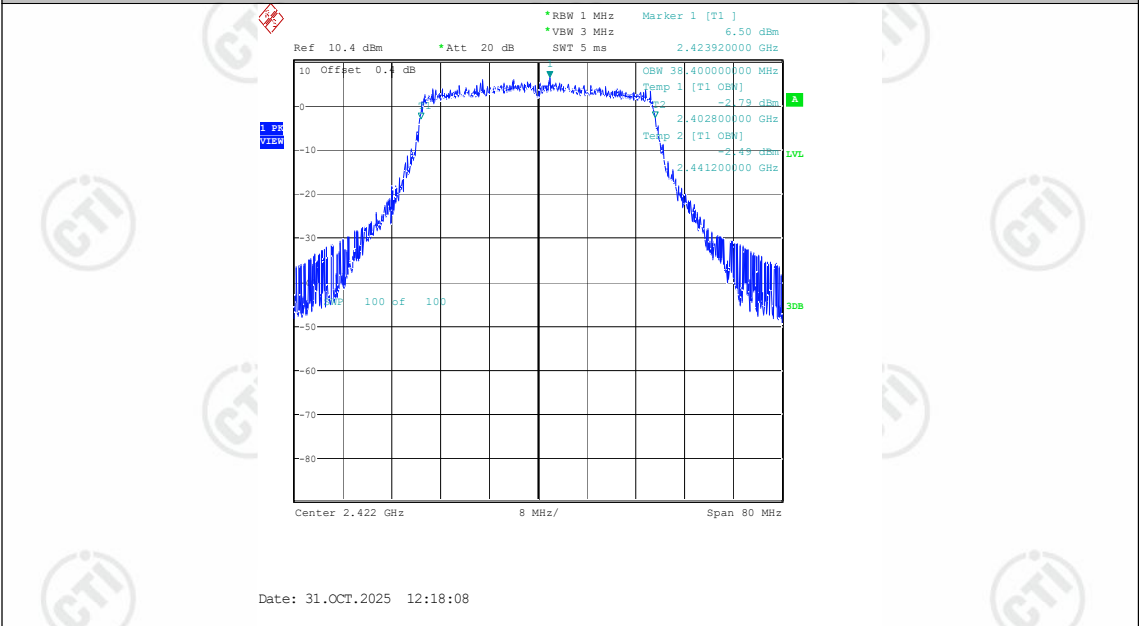
11AX20SISO-Ant1-2412



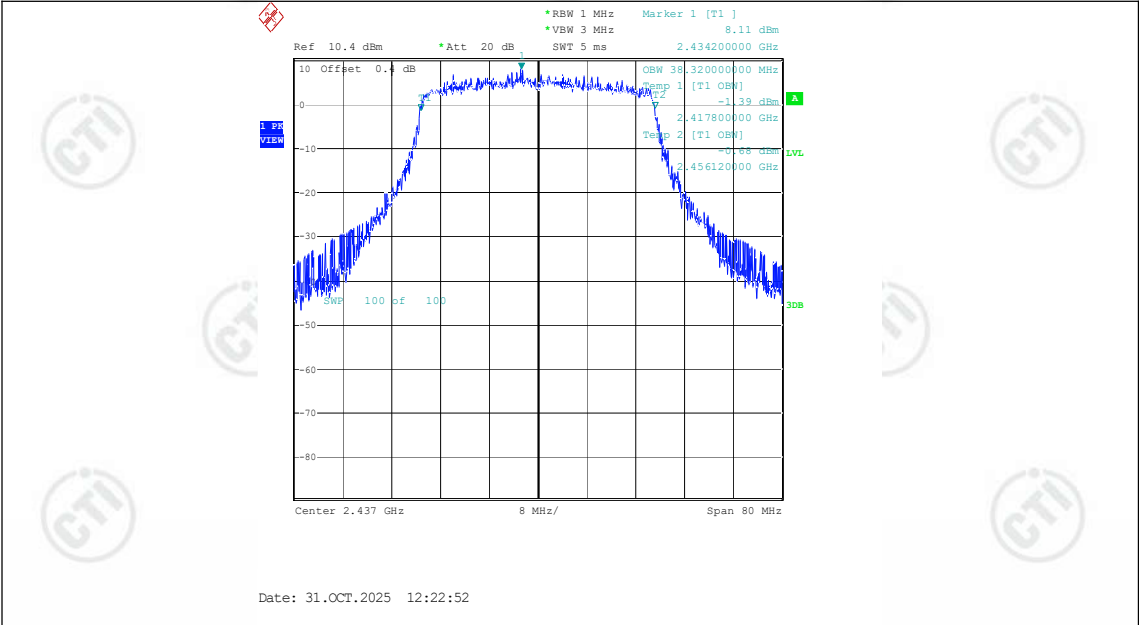
11AX20SISO-Ant1-2437



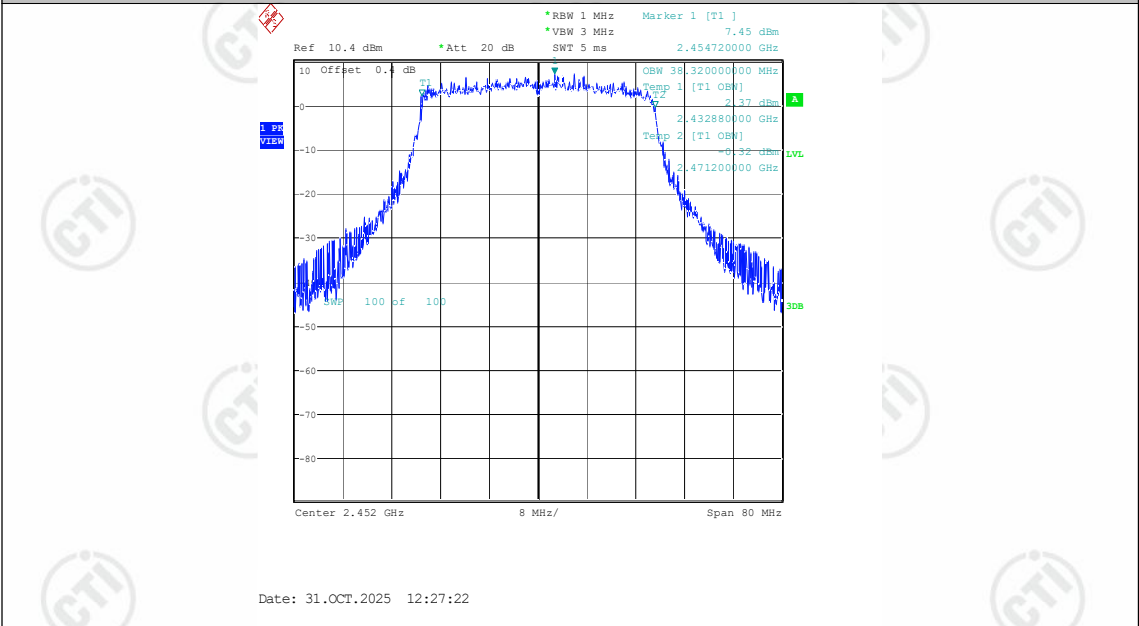
11AX20SISO-Ant1-2462



11AX40SISO-Ant1-2422



11AX40SISO-Ant1-2437



11AX40SISO-Ant1-2452

Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequen cy[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	12.74	≤30.00	PASS
11B	Ant1	2437	12.42	≤30.00	PASS
11B	Ant1	2462	12.83	≤30.00	PASS
11G	Ant1	2412	9.68	≤30.00	PASS
11G	Ant1	2437	10.64	≤30.00	PASS
11G	Ant1	2462	10.80	≤30.00	PASS
11N20SISO	Ant1	2412	9.78	≤30.00	PASS
11N20SISO	Ant1	2437	10.98	≤30.00	PASS
11N20SISO	Ant1	2462	10.63	≤30.00	PASS
11N40SISO	Ant1	2422	9.43	≤30.00	PASS
11N40SISO	Ant1	2437	10.62	≤30.00	PASS
11N40SISO	Ant1	2452	10.62	≤30.00	PASS
11AX20SISO	Ant1	2412	9.97	≤30.00	PASS
11AX20SISO	Ant1	2437	10.88	≤30.00	PASS
11AX20SISO	Ant1	2462	10.38	≤30.00	PASS
11AX40SISO	Ant1	2422	9.80	≤30.00	PASS
11AX40SISO	Ant1	2437	10.55	≤30.00	PASS
11AX40SISO	Ant1	2452	10.69	≤30.00	PASS

Appendix D: Maximum power spectral density

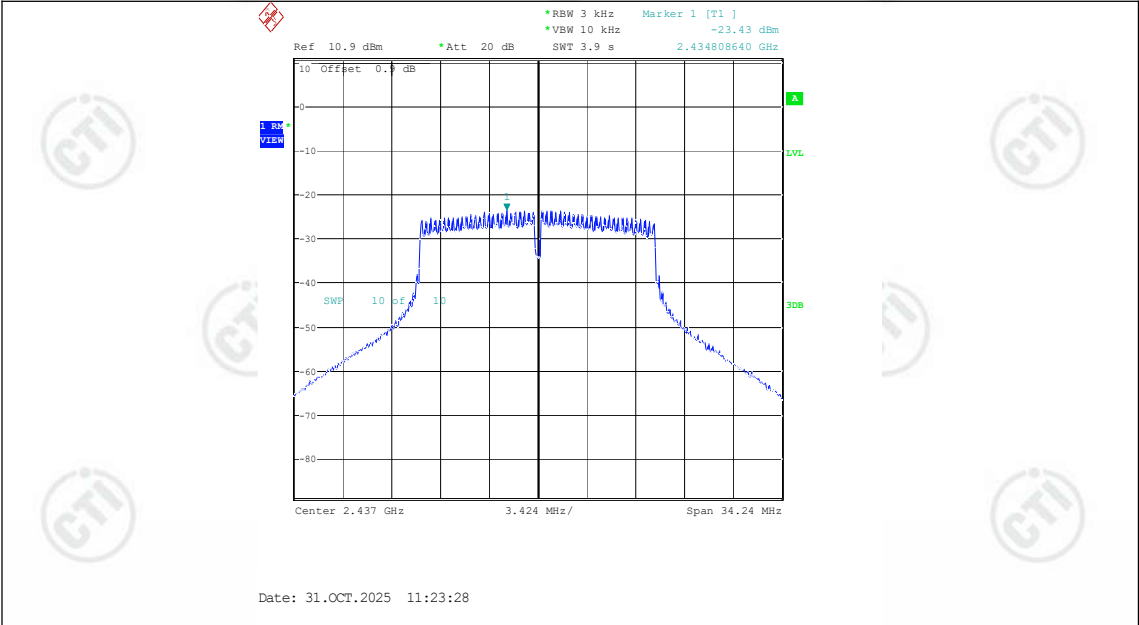
Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.81	≤8.00	PASS
11B	Ant1	2437	-19.26	≤8.00	PASS
11B	Ant1	2462	-18.84	≤8.00	PASS
11G	Ant1	2412	-24.37	≤8.00	PASS
11G	Ant1	2437	-23.43	≤8.00	PASS
11G	Ant1	2462	-23.37	≤8.00	PASS
11N20SISO	Ant1	2412	-24.22	≤8.00	PASS
11N20SISO	Ant1	2437	-23.15	≤8.00	PASS
11N20SISO	Ant1	2462	-23.46	≤8.00	PASS
11N40SISO	Ant1	2422	-28.02	≤8.00	PASS
11N40SISO	Ant1	2437	-27.02	≤8.00	PASS
11N40SISO	Ant1	2452	-27.07	≤8.00	PASS
11AX20SISO	Ant1	2412	-25.69	≤8.00	PASS
11AX20SISO	Ant1	2437	-24.93	≤8.00	PASS
11AX20SISO	Ant1	2462	-25.14	≤8.00	PASS
11AX40SISO	Ant1	2422	-28.79	≤8.00	PASS
11AX40SISO	Ant1	2437	-28.12	≤8.00	PASS
11AX40SISO	Ant1	2452	-27.83	≤8.00	PASS

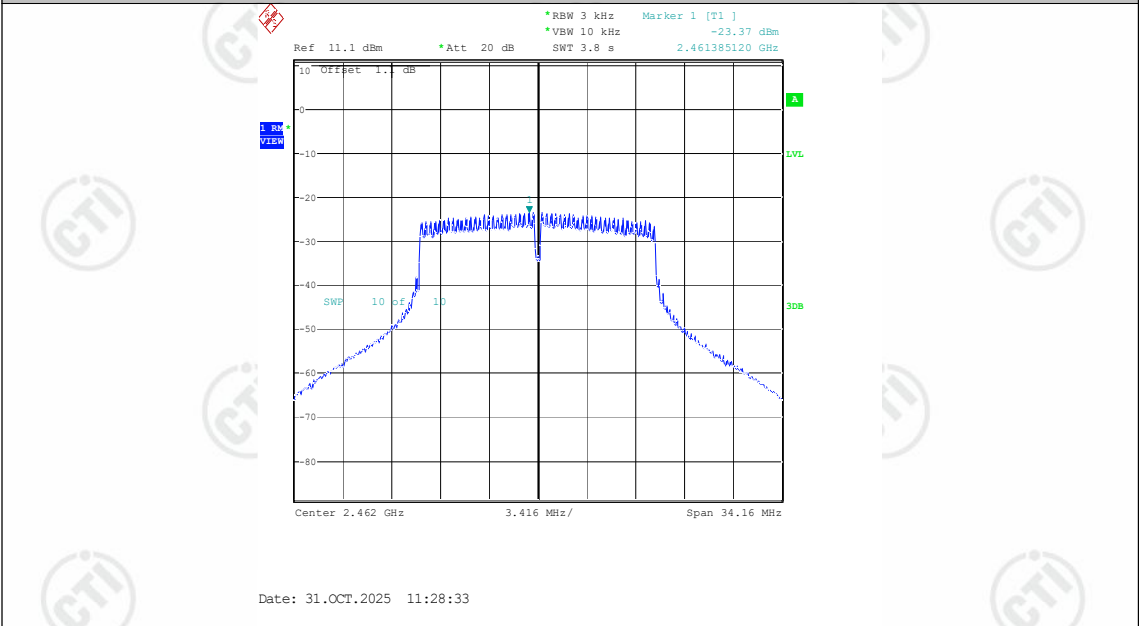


Date: 31.OCT.2025 11:17:57

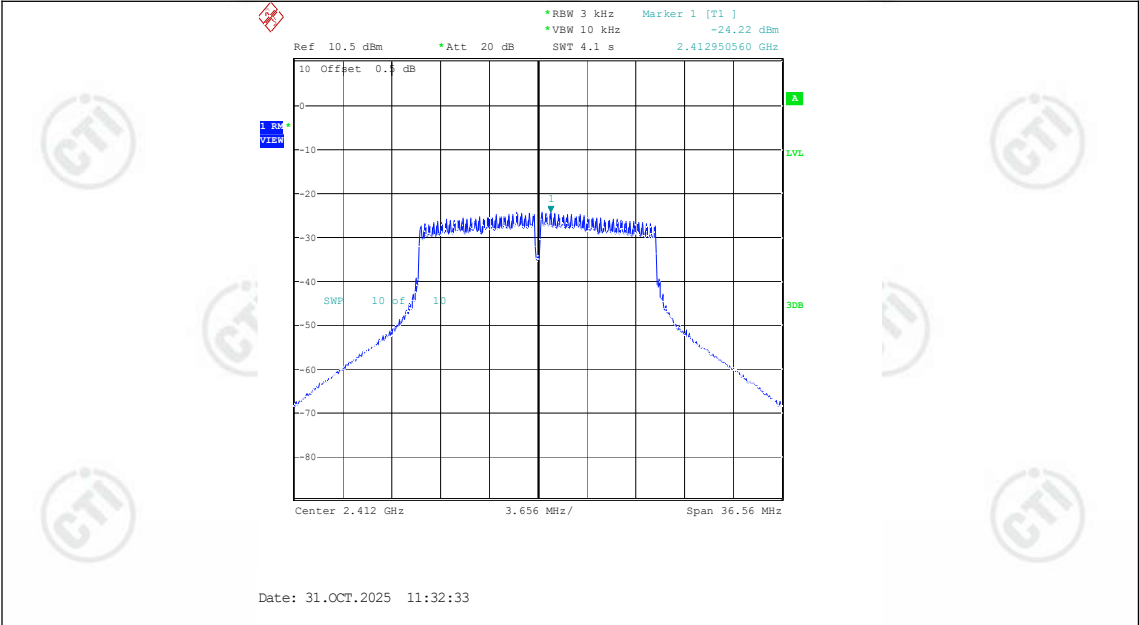
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



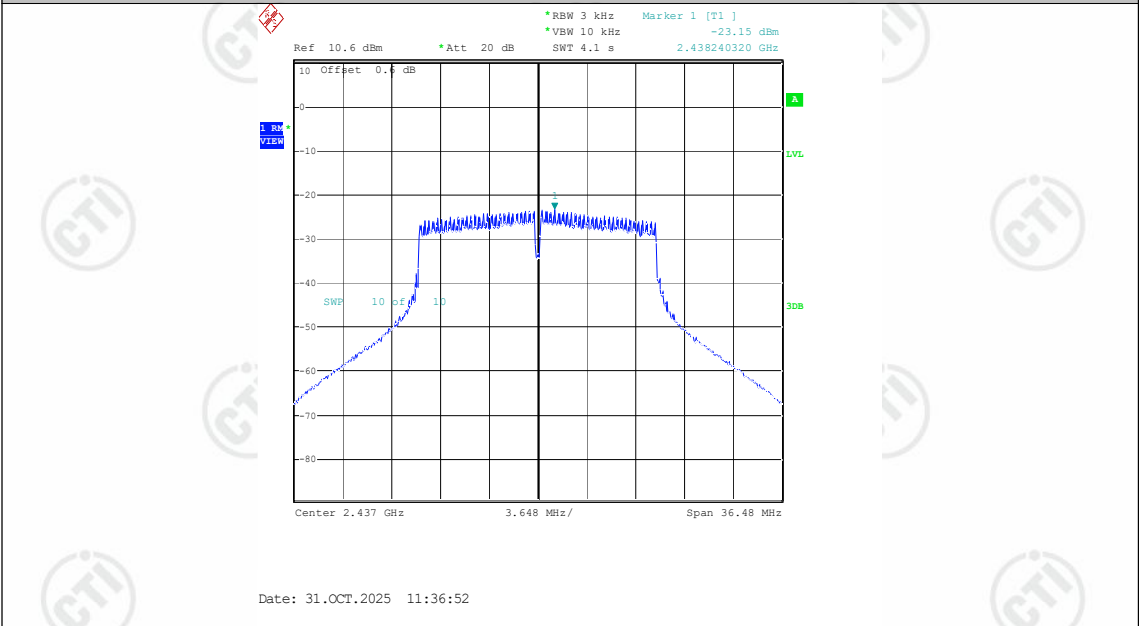
11G-Ant1-2437-PASS



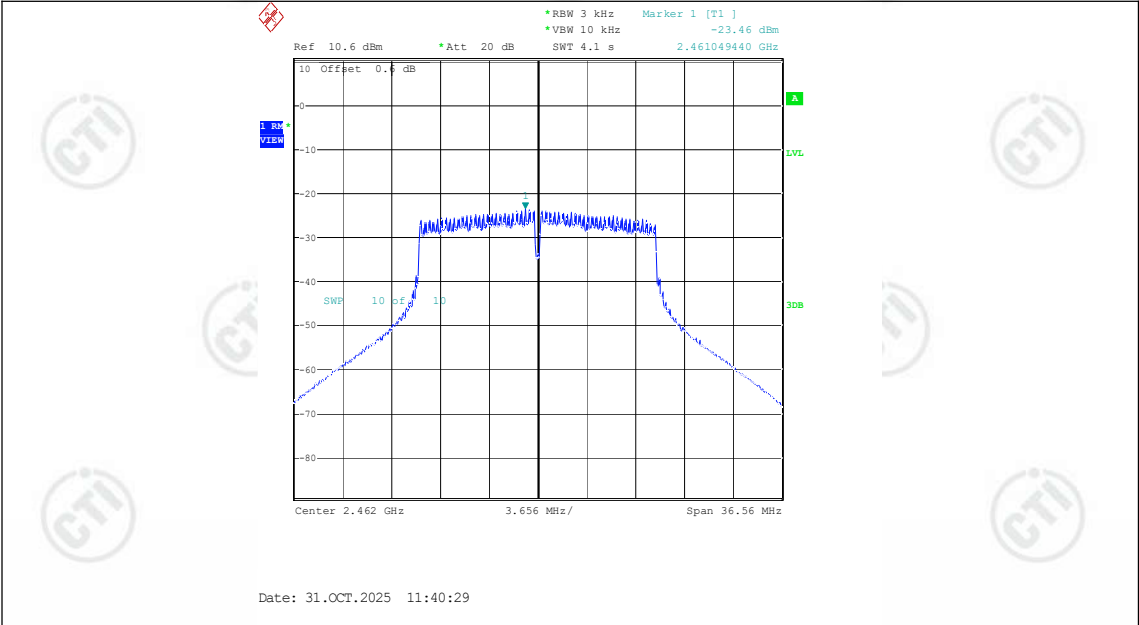
11G-Ant1-2462-PASS



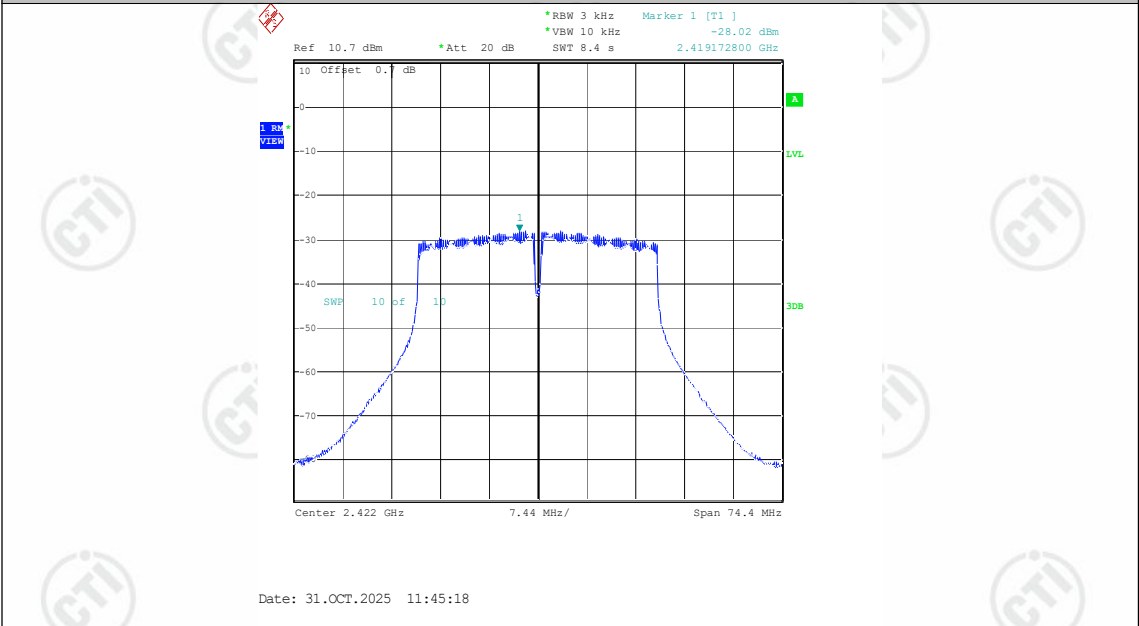
11N20SISO-Ant1-2412-PASS



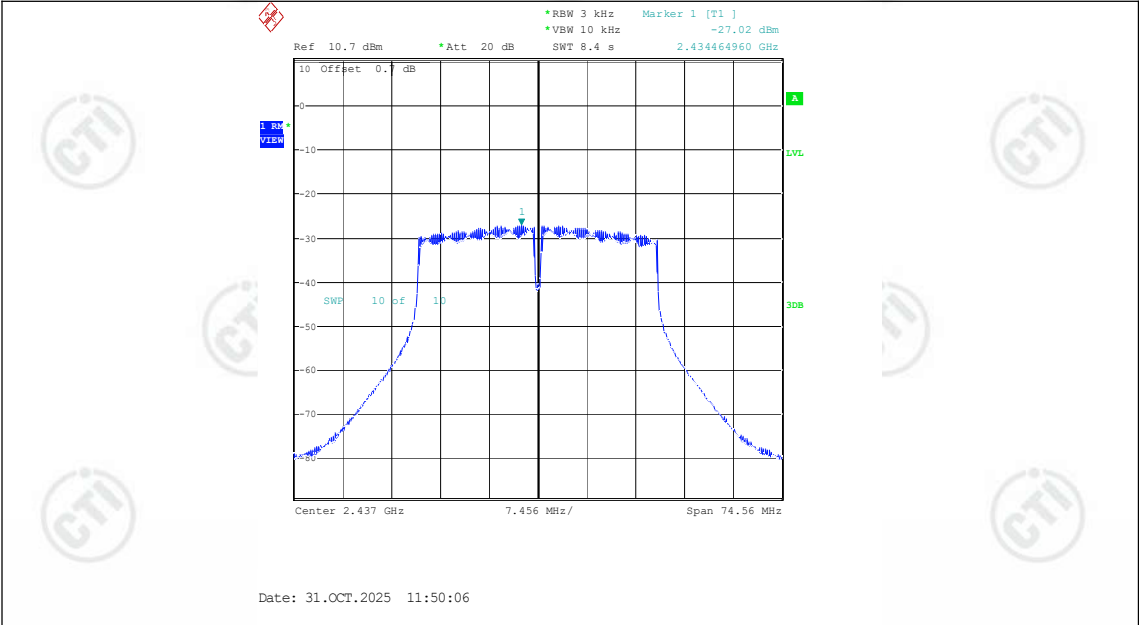
11N20SISO-Ant1-2437-PASS



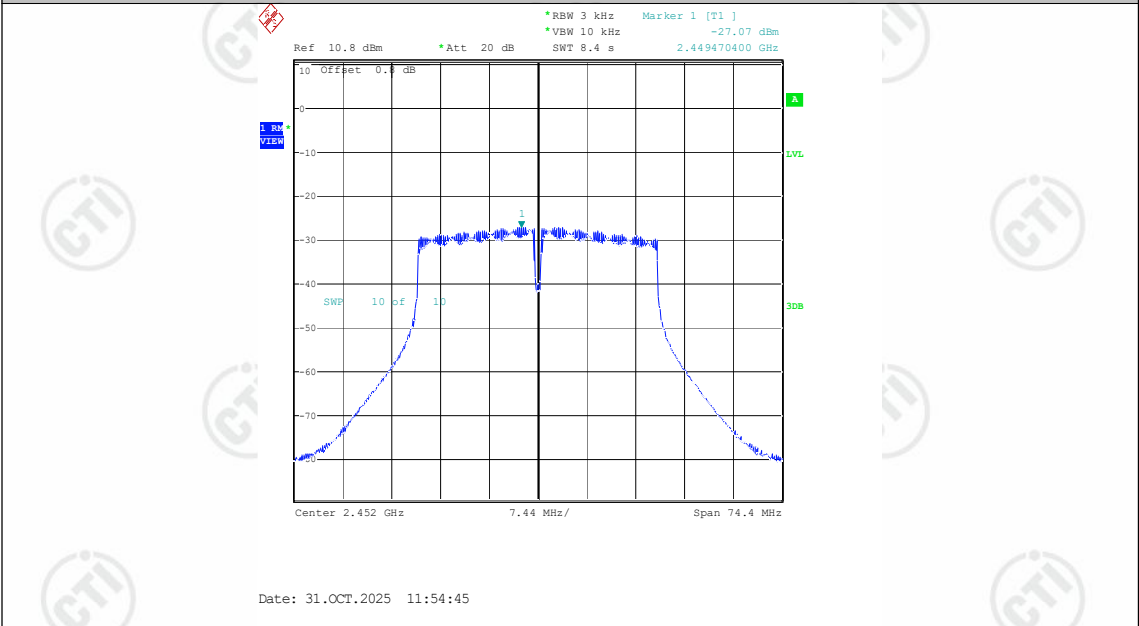
11N20SISO-Ant1-2462-PASS



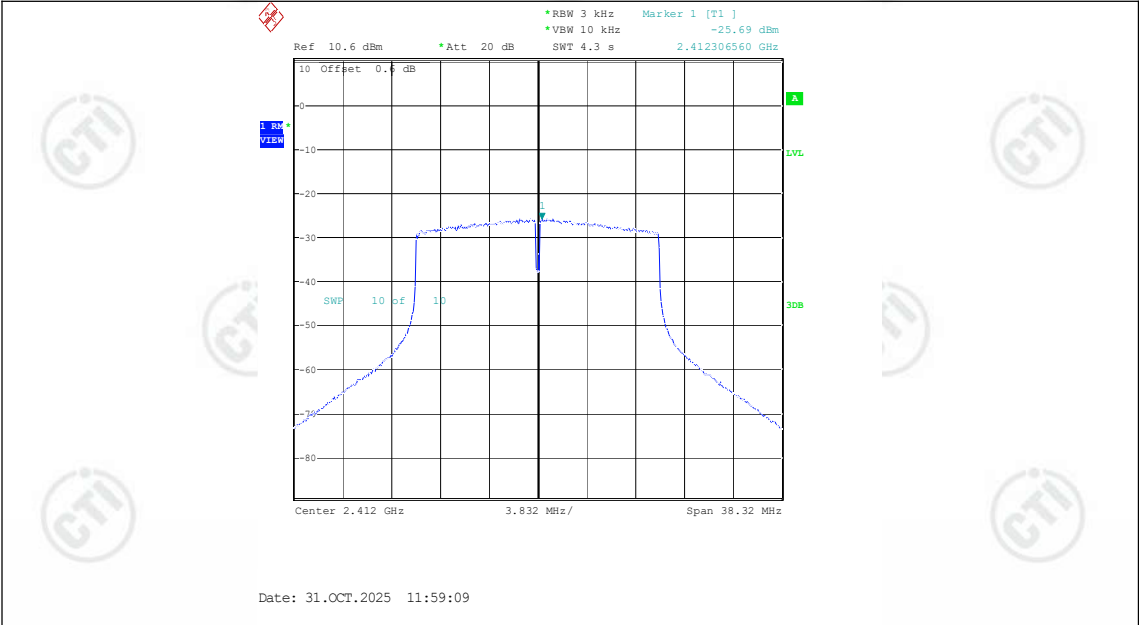
11N40SISO-Ant1-2422-PASS



11N40ISO-Ant1-2437-PASS



11N40ISO-Ant1-2452-PASS



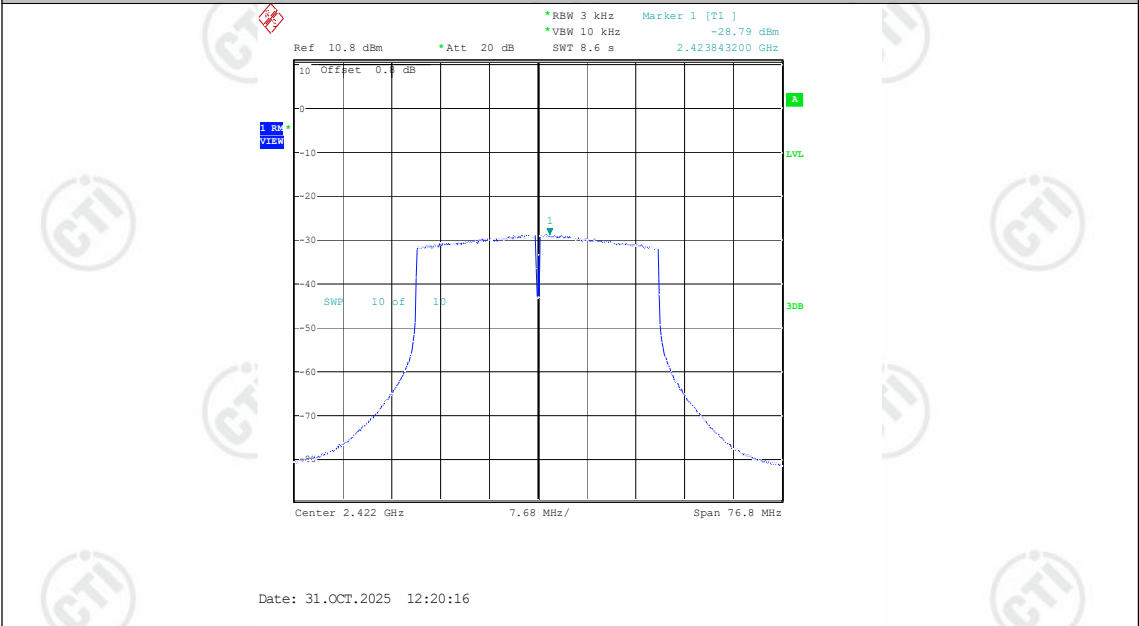
11AX20SISO-Ant1-2412-PASS



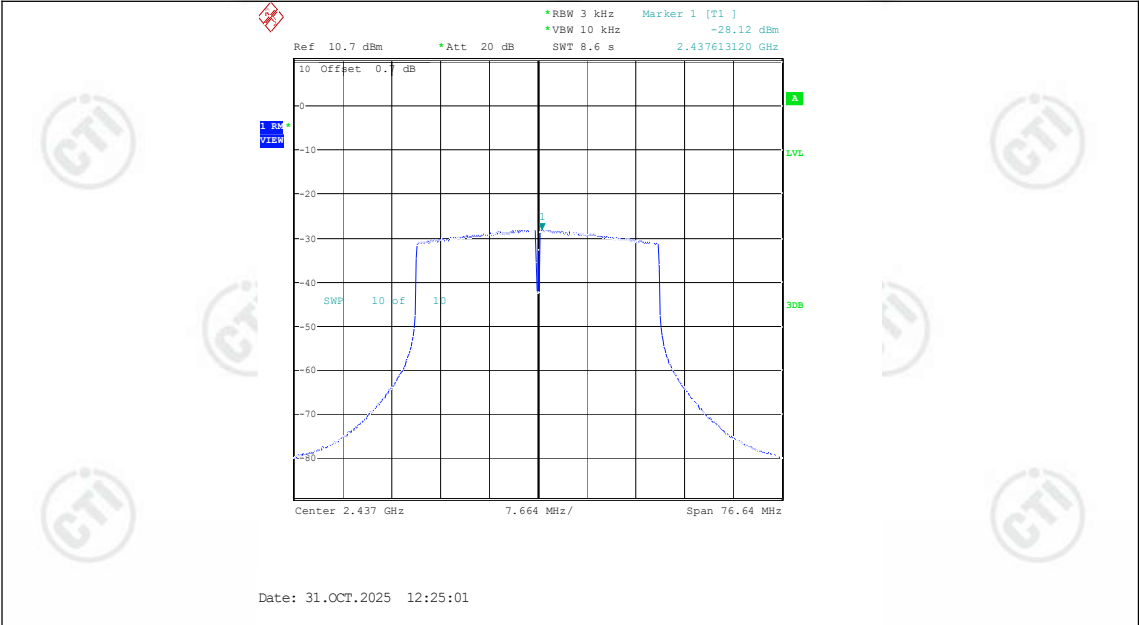
11AX20SISO-Ant1-2437-PASS



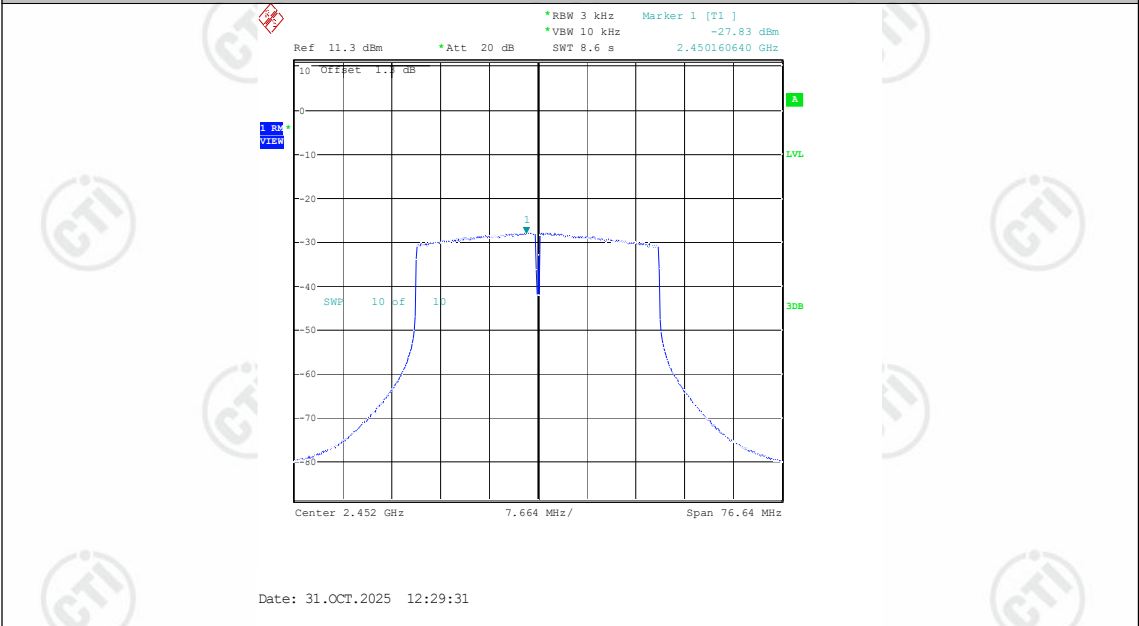
11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



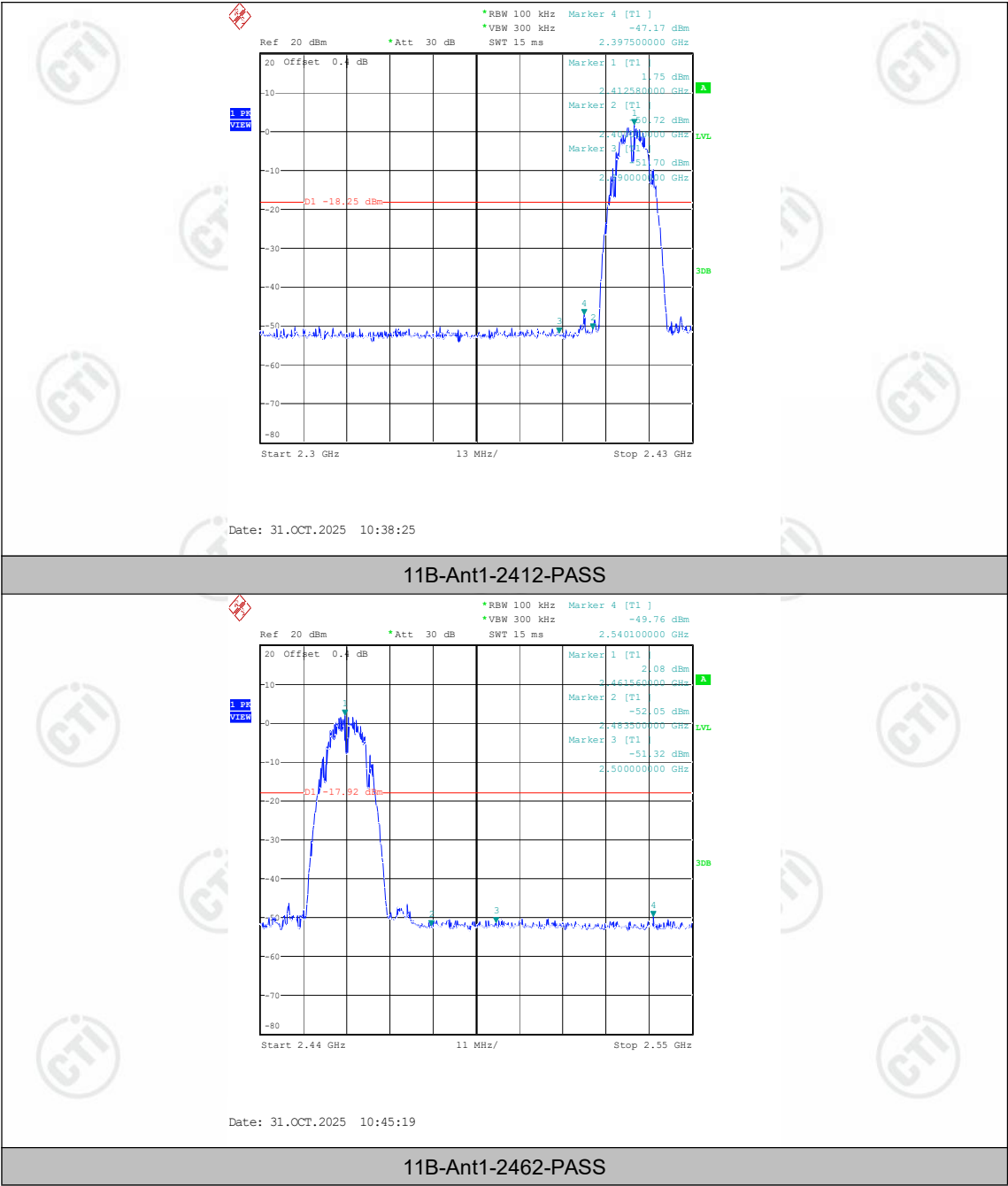
11AX40SISO-Ant1-2452-PASS

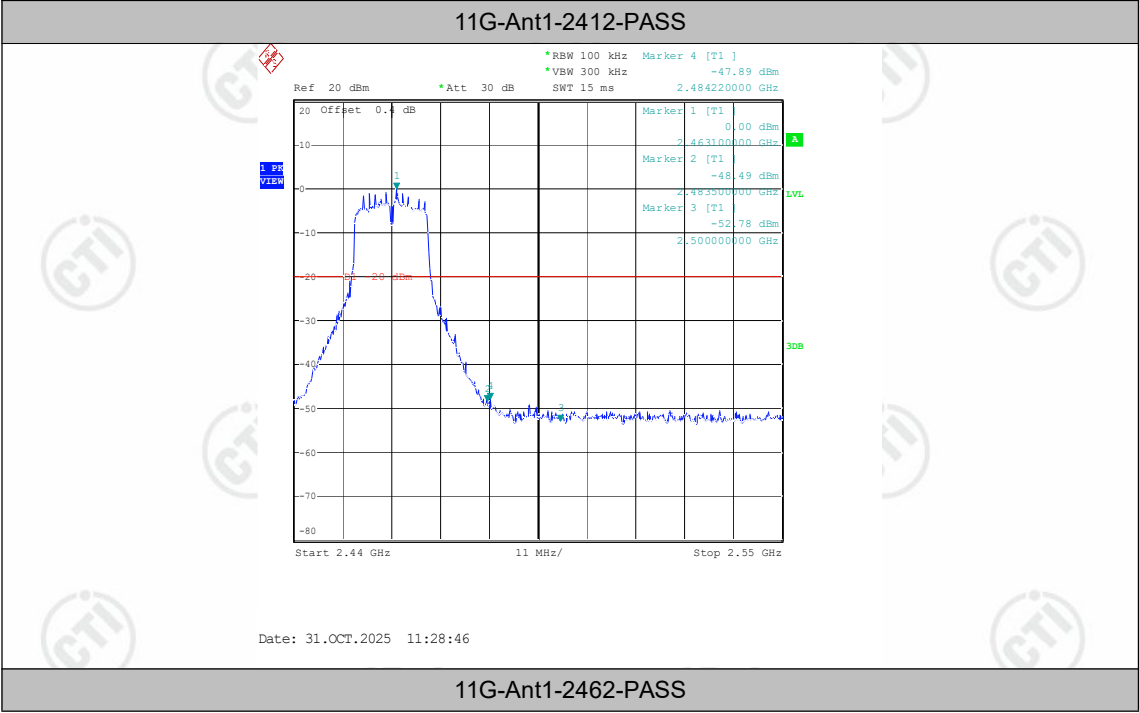
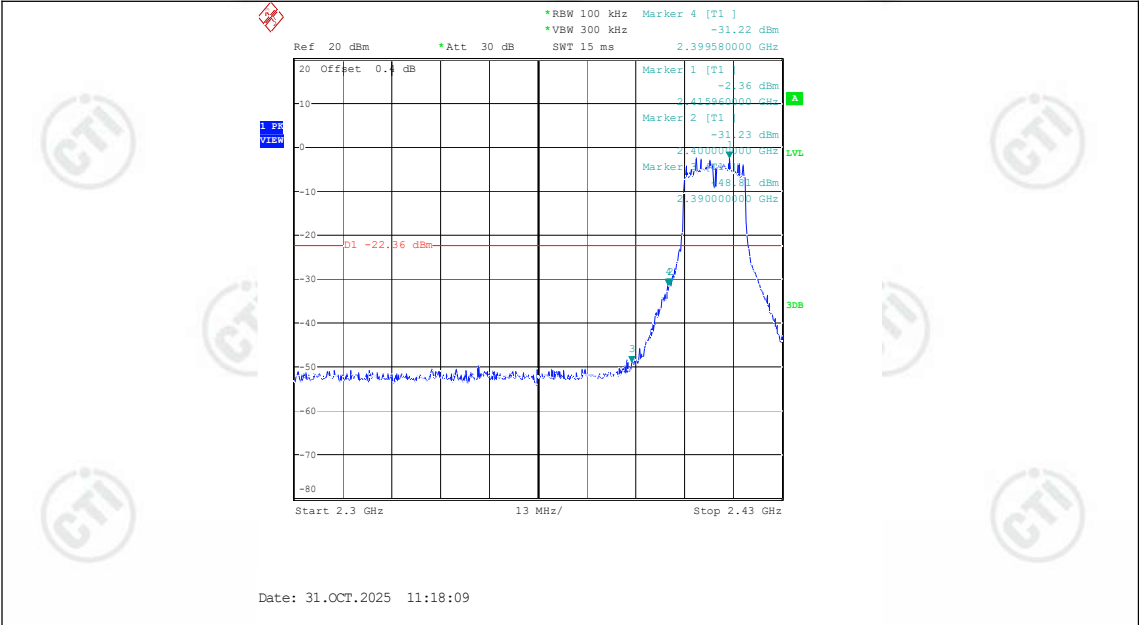
Appendix E: Band edge measurements

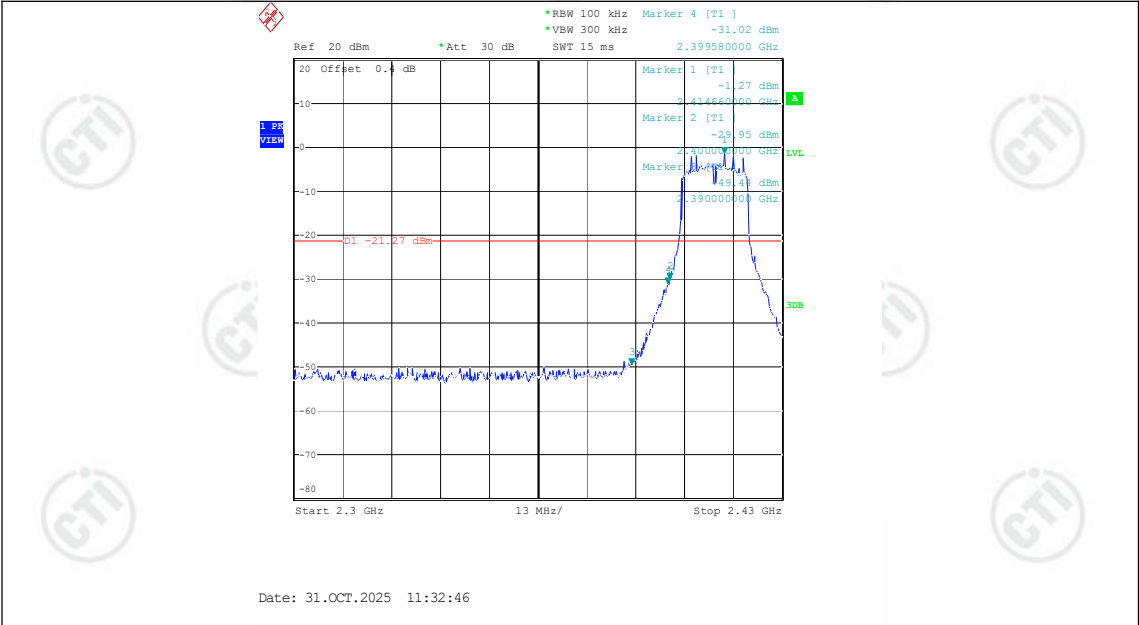
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	1.75	-47.17	≤-18.25	PASS
11B	Ant1	High	2462	2.08	-49.76	≤-17.92	PASS
11G	Ant1	Low	2412	-2.36	-31.22	≤-22.36	PASS
11G	Ant1	High	2462	0.00	-47.89	≤-20	PASS
11N20SISO	Ant1	Low	2412	-1.27	-31.02	≤-21.27	PASS
11N20SISO	Ant1	High	2462	-0.94	-47.83	≤-20.94	PASS
11N40SISO	Ant1	Low	2422	-3.82	-36	≤-23.82	PASS
11N40SISO	Ant1	High	2452	-3.31	-47.28	≤-23.31	PASS
11AX20SISO	Ant1	Low	2412	-1.63	-31.73	≤-21.63	PASS
11AX20SISO	Ant1	High	2462	-0.51	-48.76	≤-20.51	PASS
11AX40SISO	Ant1	Low	2422	-3.79	-36.35	≤-23.79	PASS
11AX40SISO	Ant1	High	2452	-2.98	-47.42	≤-22.98	PASS

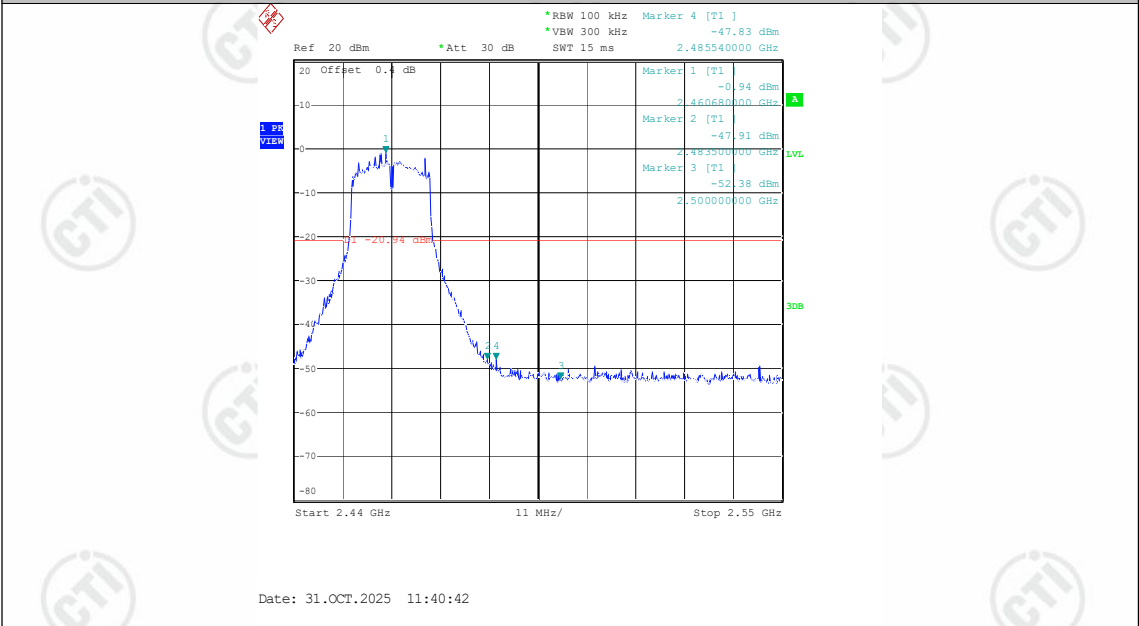
Test Graphs



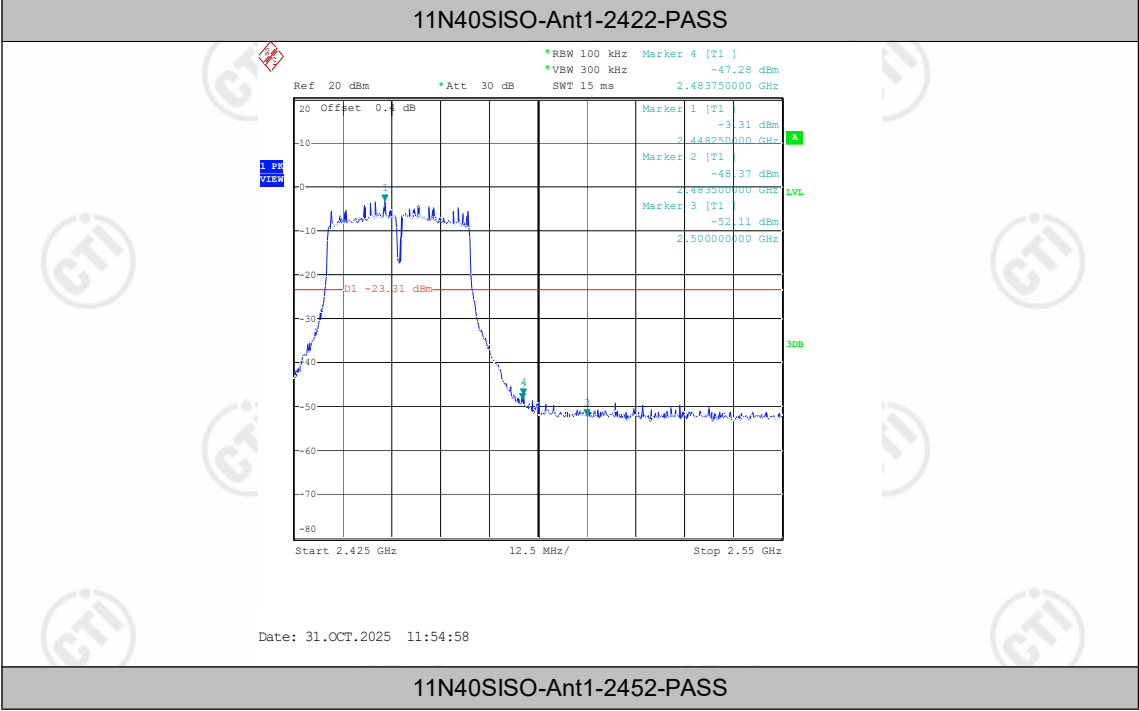
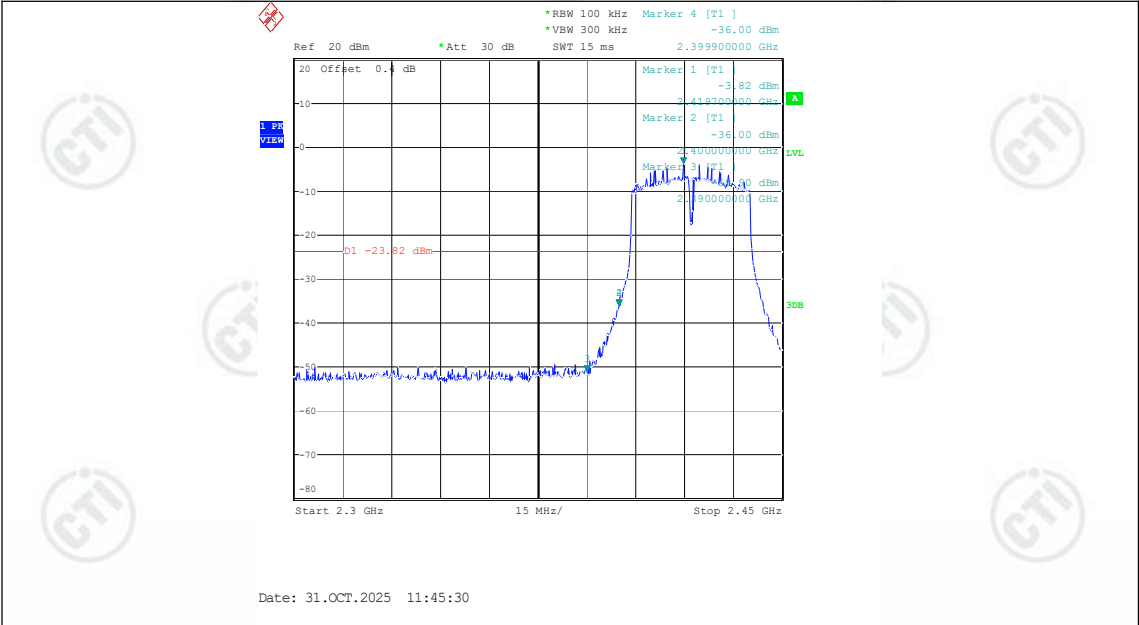


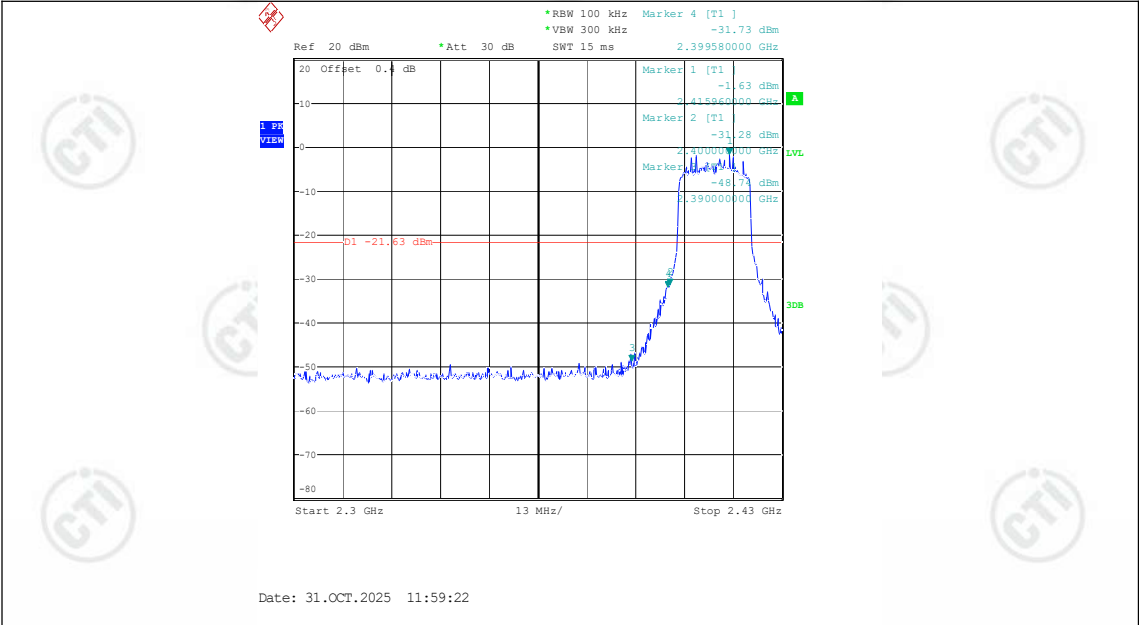


11N20SISO-Ant1-2412-PASS

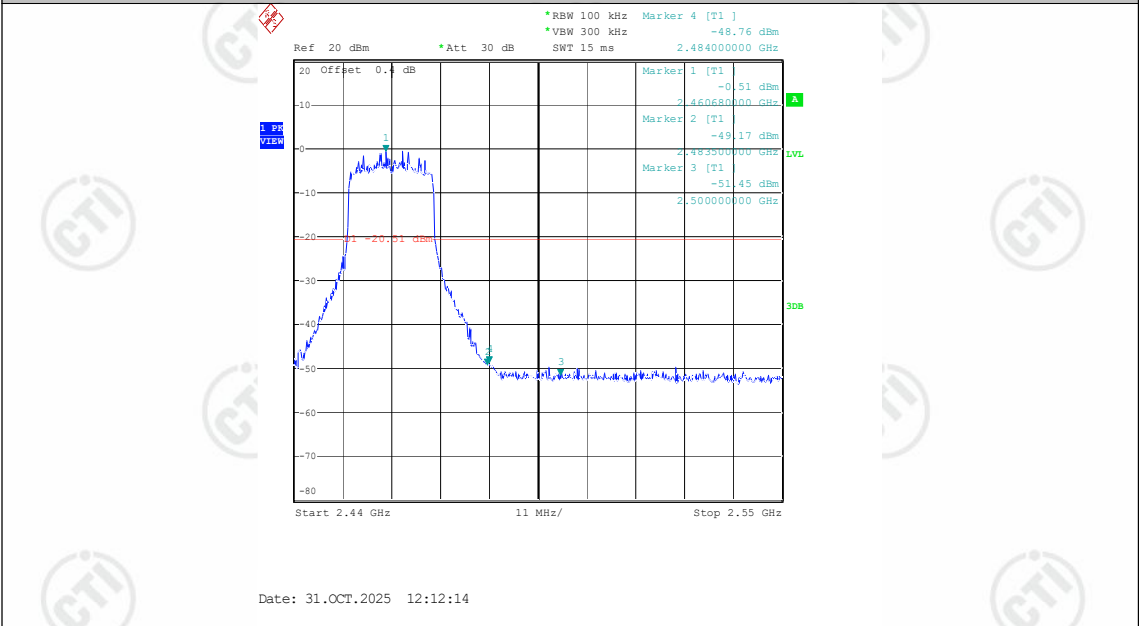


11N20SISO-Ant1-2462-PASS

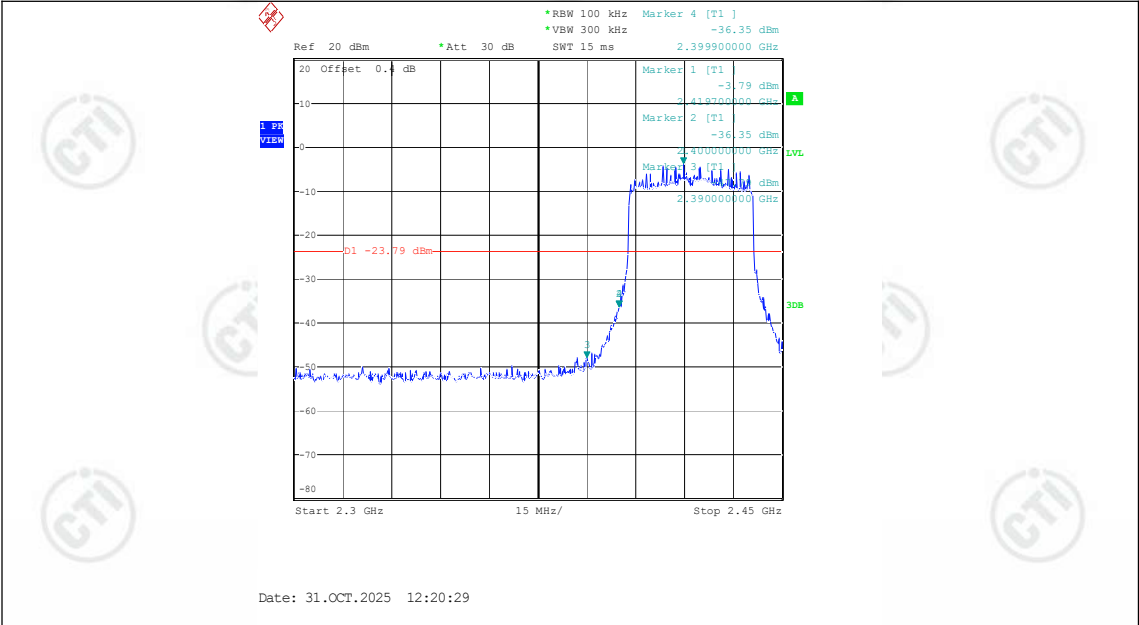




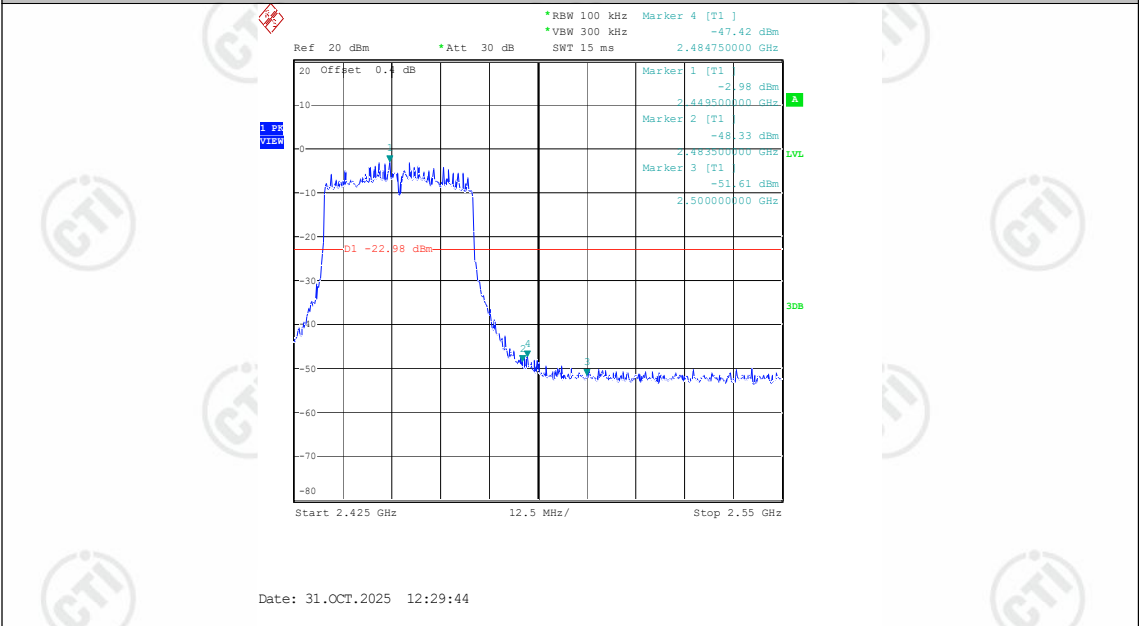
11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



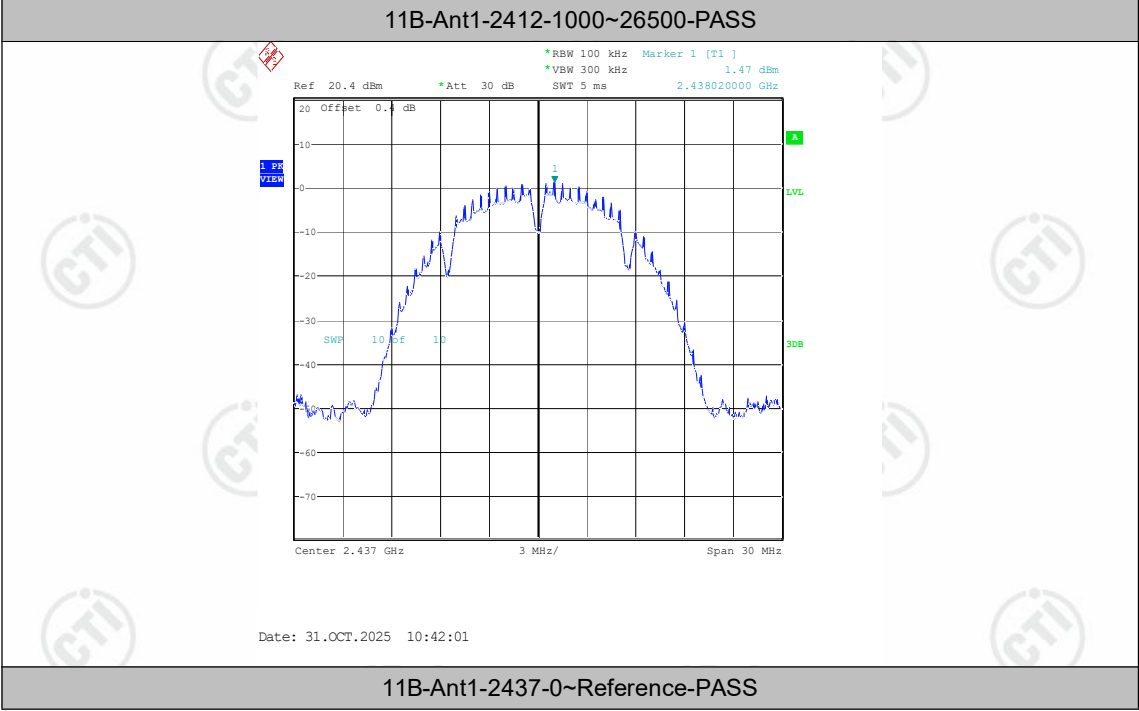
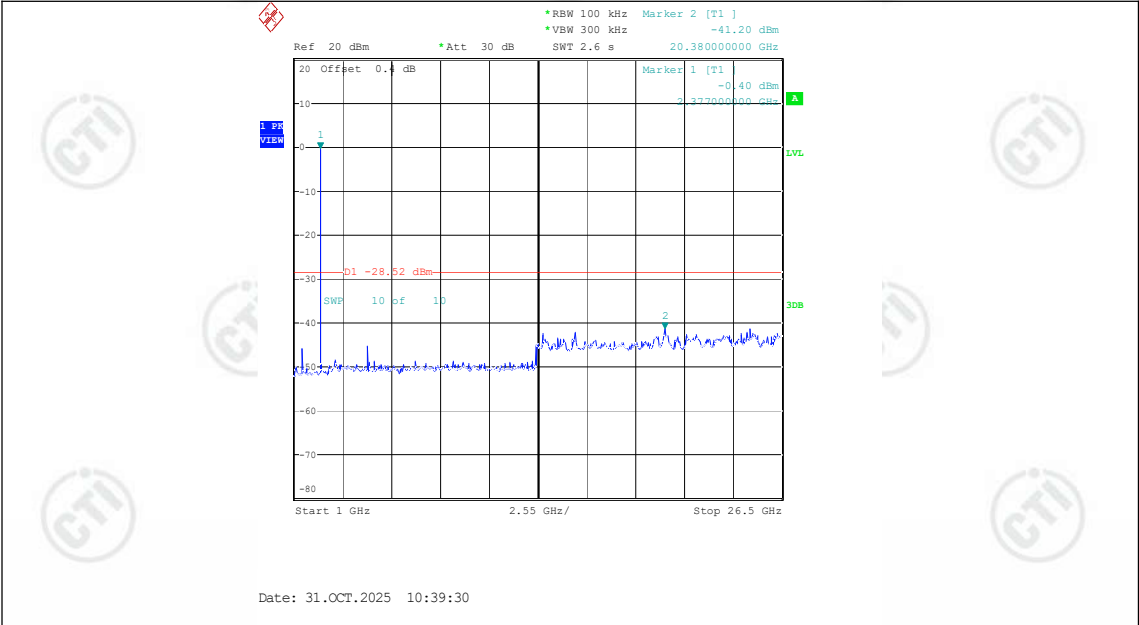
11AX40SISO-Ant1-2452-PASS

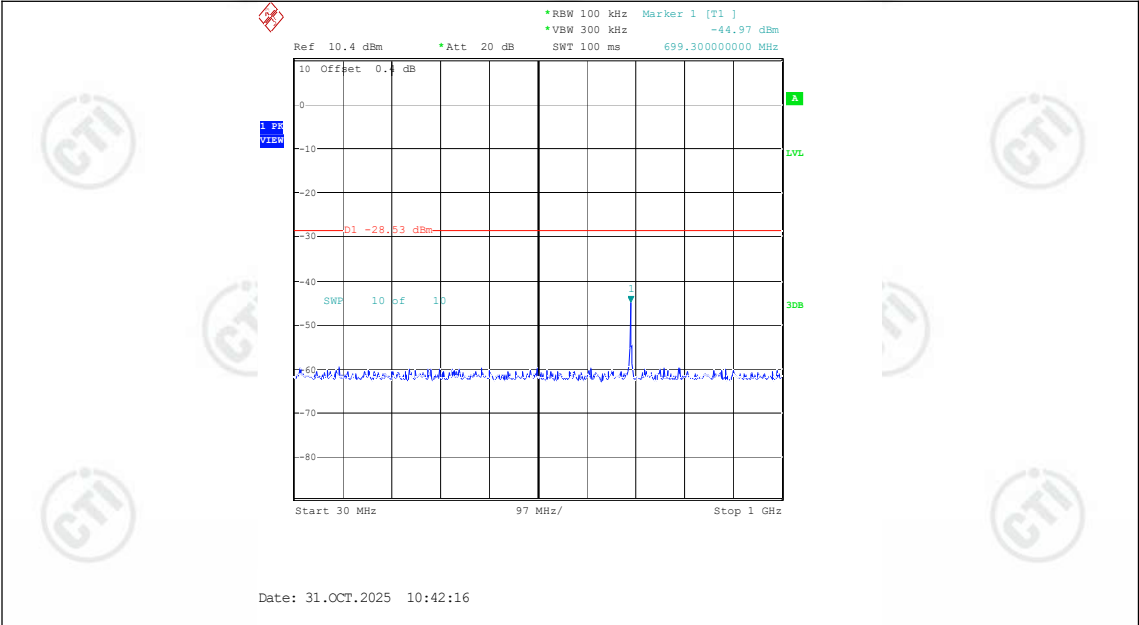
Appendix F: Conducted Spurious Emission

Test Result

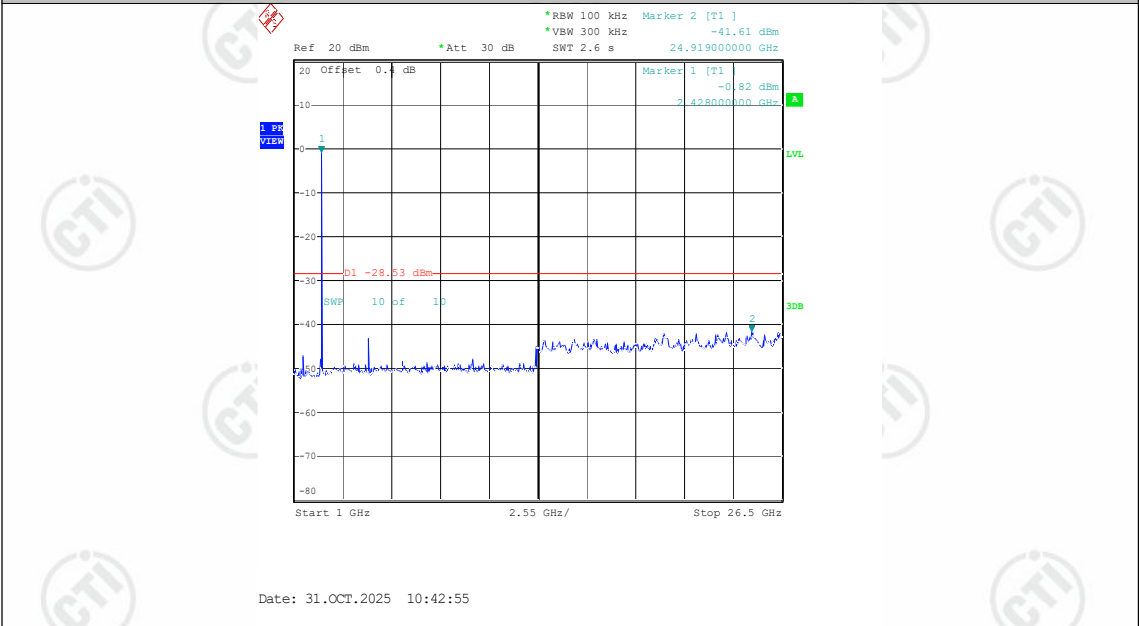
TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.48	1.48	---	PASS
11B	Ant1	2412	30~1000	1.48	-45.78	≤-28.52	PASS
11B	Ant1	2412	1000~26500	1.48	-41.2	≤-28.52	PASS
11B	Ant1	2437	0~Reference	1.47	1.47	---	PASS
11B	Ant1	2437	30~1000	1.47	-44.97	≤-28.53	PASS
11B	Ant1	2437	1000~26500	1.47	-41.61	≤-28.53	PASS
11B	Ant1	2462	0~Reference	2.05	2.05	---	PASS
11B	Ant1	2462	30~1000	2.05	-44.23	≤-27.95	PASS
11B	Ant1	2462	1000~26500	2.05	-41.55	≤-27.95	PASS
11G	Ant1	2412	0~Reference	-1.24	-1.24	---	PASS
11G	Ant1	2412	30~1000	-1.24	-52.06	≤-31.24	PASS
11G	Ant1	2412	1000~26500	-1.24	-41.84	≤-31.24	PASS
11G	Ant1	2437	0~Reference	-0.10	-0.10	---	PASS
11G	Ant1	2437	30~1000	-0.10	-50.29	≤-30.1	PASS
11G	Ant1	2437	1000~26500	-0.10	-41.8	≤-30.1	PASS
11G	Ant1	2462	0~Reference	-0.31	-0.31	---	PASS
11G	Ant1	2462	30~1000	-0.31	-49.49	≤-30.31	PASS
11G	Ant1	2462	1000~26500	-0.31	-40.62	≤-30.31	PASS
11N20SISO	Ant1	2412	0~Reference	-1.16	-1.16	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.16	-51.8	≤-31.16	PASS
11N20SISO	Ant1	2412	1000~26500	-1.16	-41.56	≤-31.16	PASS
11N20SISO	Ant1	2437	0~Reference	-0.38	-0.38	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.38	-50.12	≤-30.38	PASS
11N20SISO	Ant1	2437	1000~26500	-0.38	-41.55	≤-30.38	PASS
11N20SISO	Ant1	2462	0~Reference	-0.28	-0.28	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.28	-50.25	≤-30.28	PASS
11N20SISO	Ant1	2462	1000~26500	-0.28	-41.61	≤-30.28	PASS
11N40SISO	Ant1	2422	0~Reference	-3.88	-3.88	---	PASS
11N40SISO	Ant1	2422	30~1000	-3.88	-55.4	≤-33.88	PASS
11N40SISO	Ant1	2422	1000~26500	-3.88	-41.67	≤-33.88	PASS
11N40SISO	Ant1	2437	0~Reference	-2.79	-2.79	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.79	-52.52	≤-32.79	PASS
11N40SISO	Ant1	2437	1000~26500	-2.79	-41.44	≤-32.79	PASS
11N40SISO	Ant1	2452	0~Reference	-2.90	-2.90	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.90	-52.89	≤-32.9	PASS
11N40SISO	Ant1	2452	1000~26500	-2.90	-41.27	≤-32.9	PASS

11AX20SISO	Ant1	2412	0~Reference	-0.95	-0.95	---	PASS
11AX20SISO	Ant1	2412	30~1000	-0.95	-50.18	≤ -30.95	PASS
11AX20SISO	Ant1	2412	1000~26500	-0.95	-41.34	≤ -30.95	PASS
11AX20SISO	Ant1	2437	0~Reference	-0.22	-0.22	---	PASS
11AX20SISO	Ant1	2437	30~1000	-0.22	-49.73	≤ -30.22	PASS
11AX20SISO	Ant1	2437	1000~26500	-0.22	-41.84	≤ -30.22	PASS
11AX20SISO	Ant1	2462	0~Reference	-0.56	-0.56	---	PASS
11AX20SISO	Ant1	2462	30~1000	-0.56	-50.29	≤ -30.56	PASS
11AX20SISO	Ant1	2462	1000~26500	-0.56	-41.74	≤ -30.56	PASS
11AX40SISO	Ant1	2422	0~Reference	-4.28	-4.28	---	PASS
11AX40SISO	Ant1	2422	30~1000	-4.28	-55.04	≤ -34.28	PASS
11AX40SISO	Ant1	2422	1000~26500	-4.28	-40.91	≤ -34.28	PASS
11AX40SISO	Ant1	2437	0~Reference	-2.92	-2.92	---	PASS
11AX40SISO	Ant1	2437	30~1000	-2.92	-51.97	≤ -32.92	PASS
11AX40SISO	Ant1	2437	1000~26500	-2.92	-40.65	≤ -32.92	PASS
11AX40SISO	Ant1	2452	0~Reference	-3.22	-3.22	---	PASS
11AX40SISO	Ant1	2452	30~1000	-3.22	-50.76	≤ -33.22	PASS
11AX40SISO	Ant1	2452	1000~26500	-3.22	-41.88	≤ -33.22	PASS

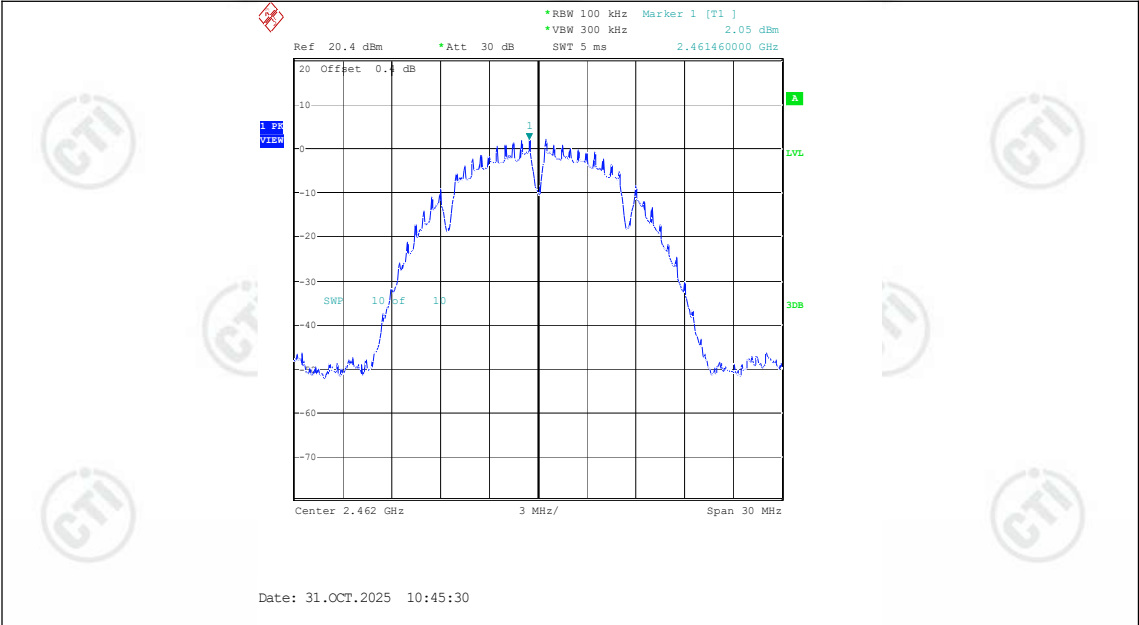




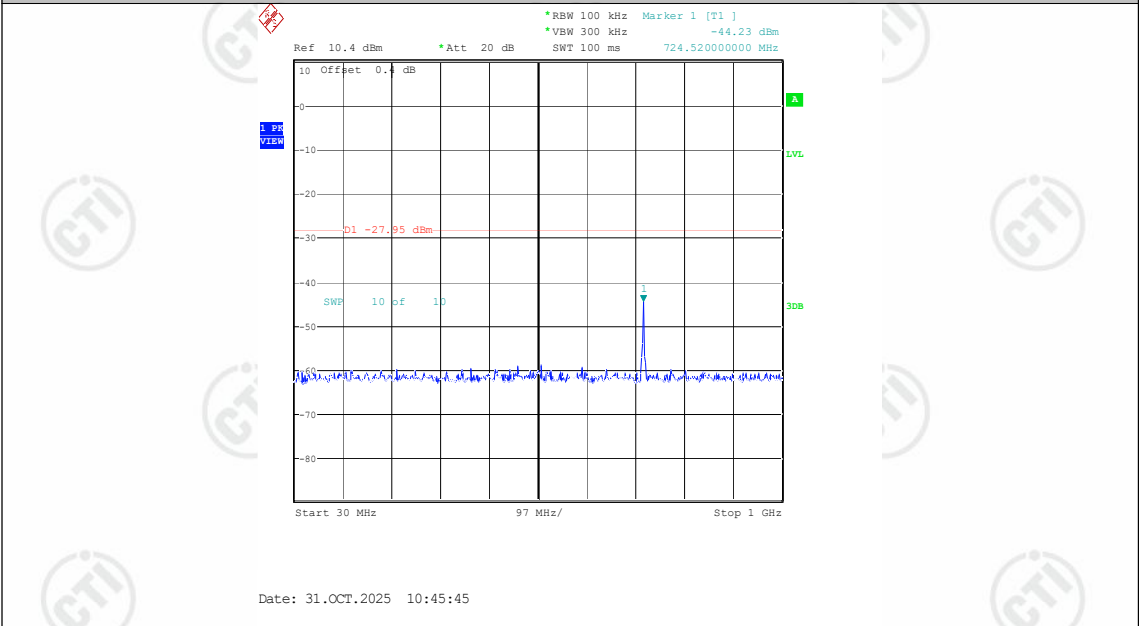
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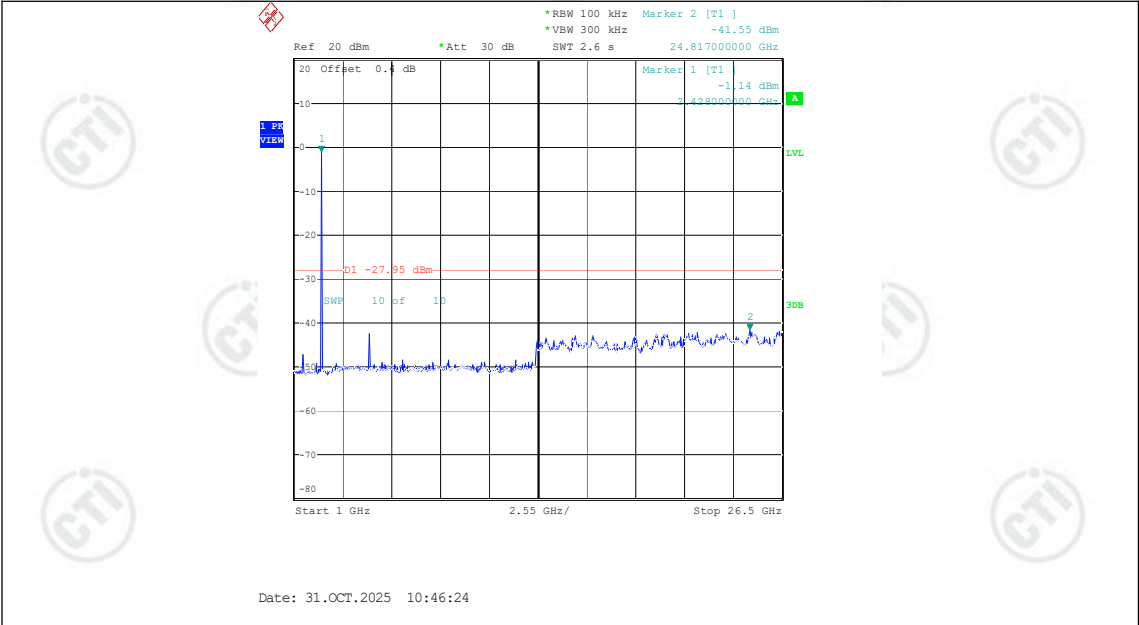
11B-Ant1-2437-1000~26500-PASS



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



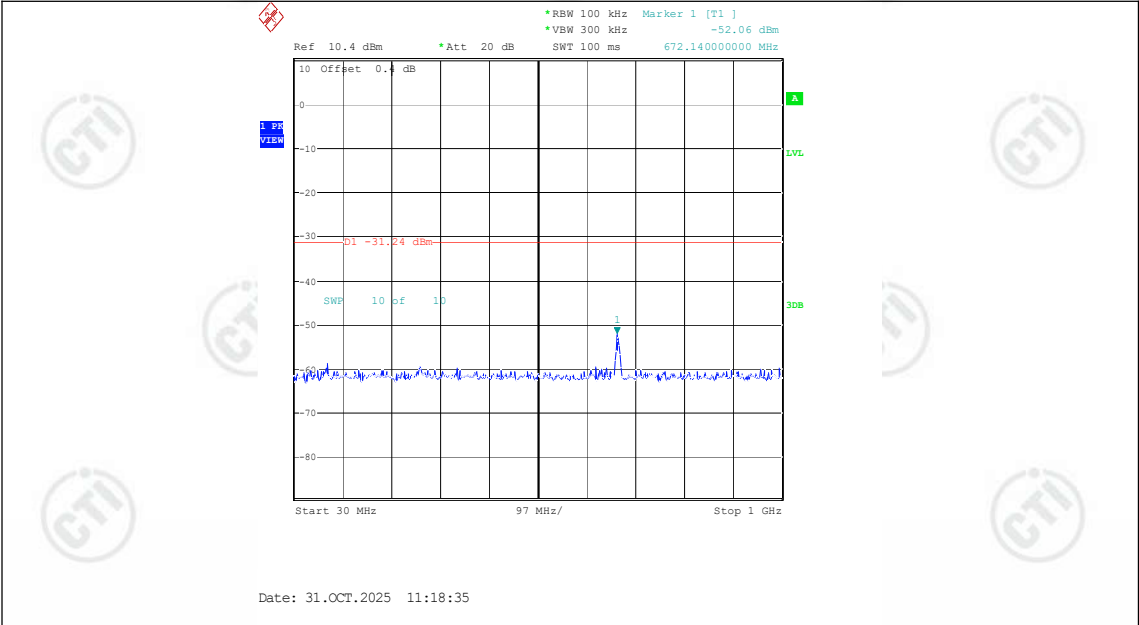
11B-Ant1-2462-30~1000-PASS



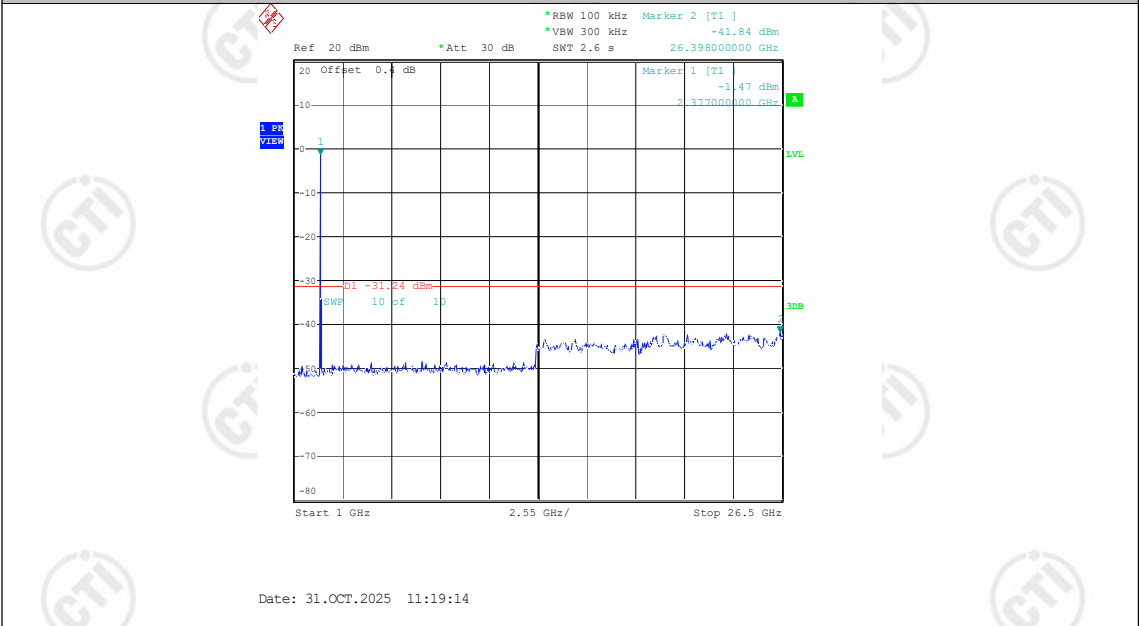
11B-Ant1-2462-1000~26500-PASS



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



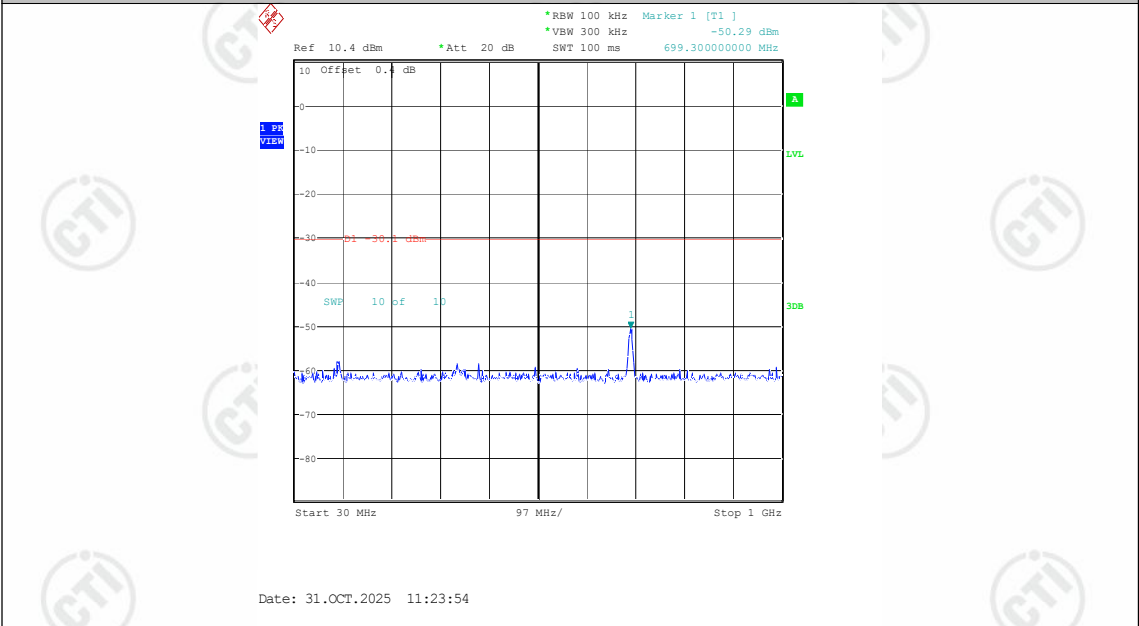
11G-Ant1-2412-30~1000-PASS



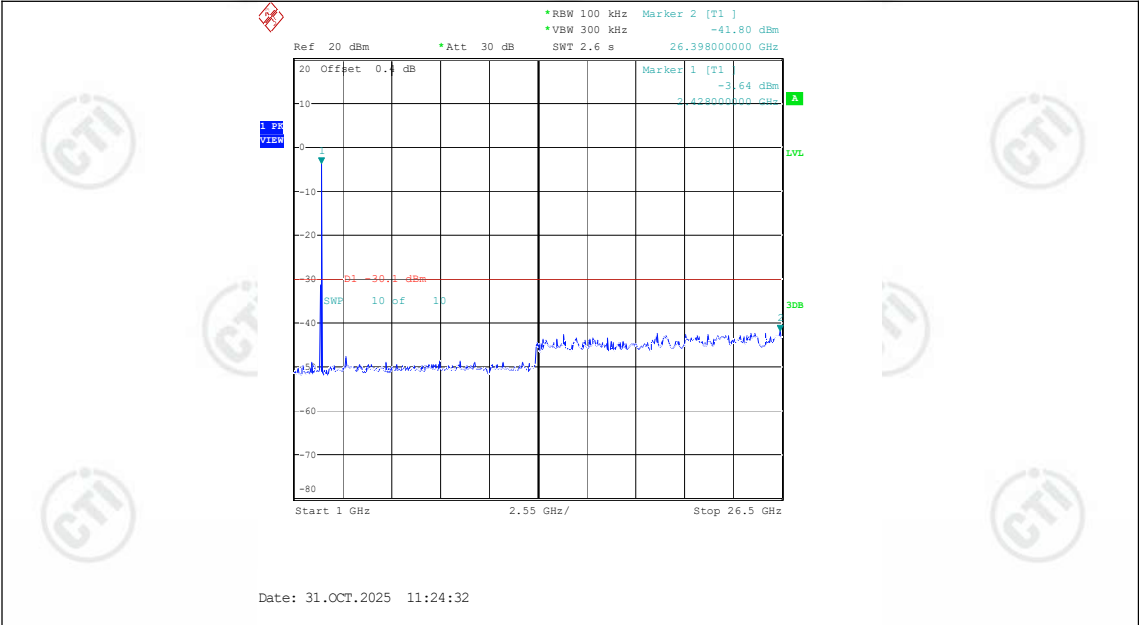
11G-Ant1-2412-1000~26500-PASS



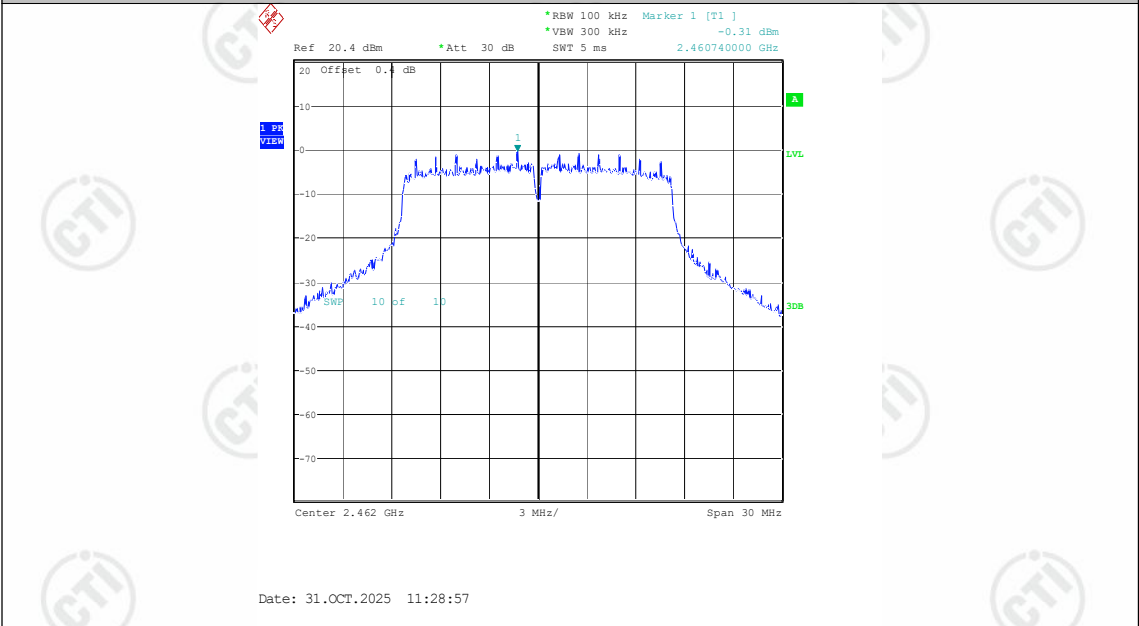
11G-Ant1-2437-0~Reference-PASS



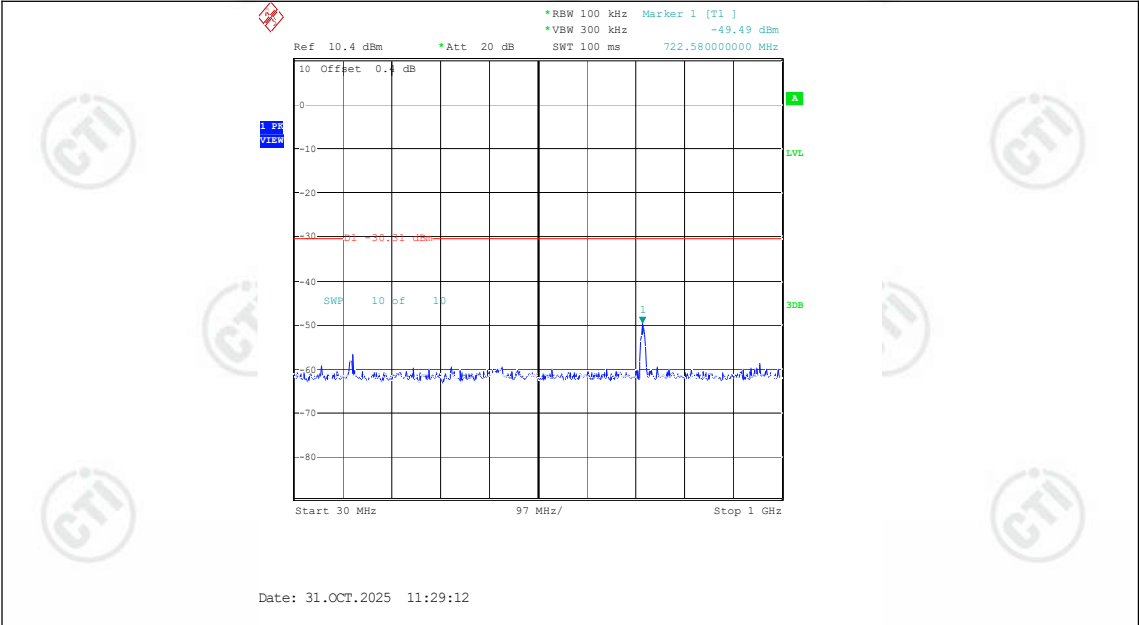
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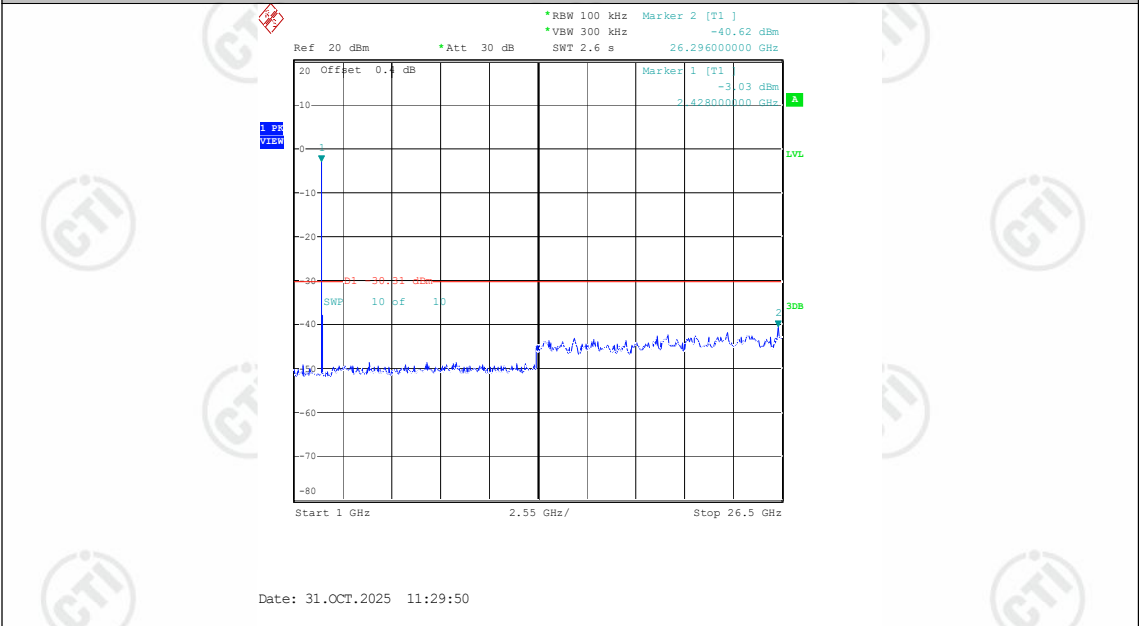
11G-Ant1-2437-1000~26500-PASS



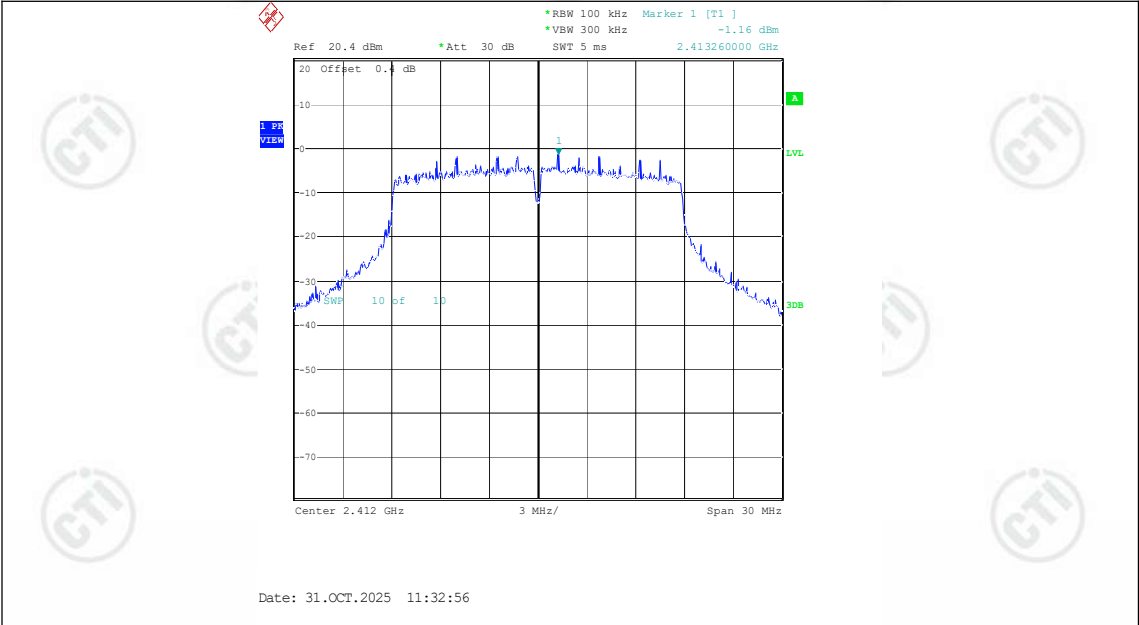
11G-Ant1-2462-0~Reference-PASS



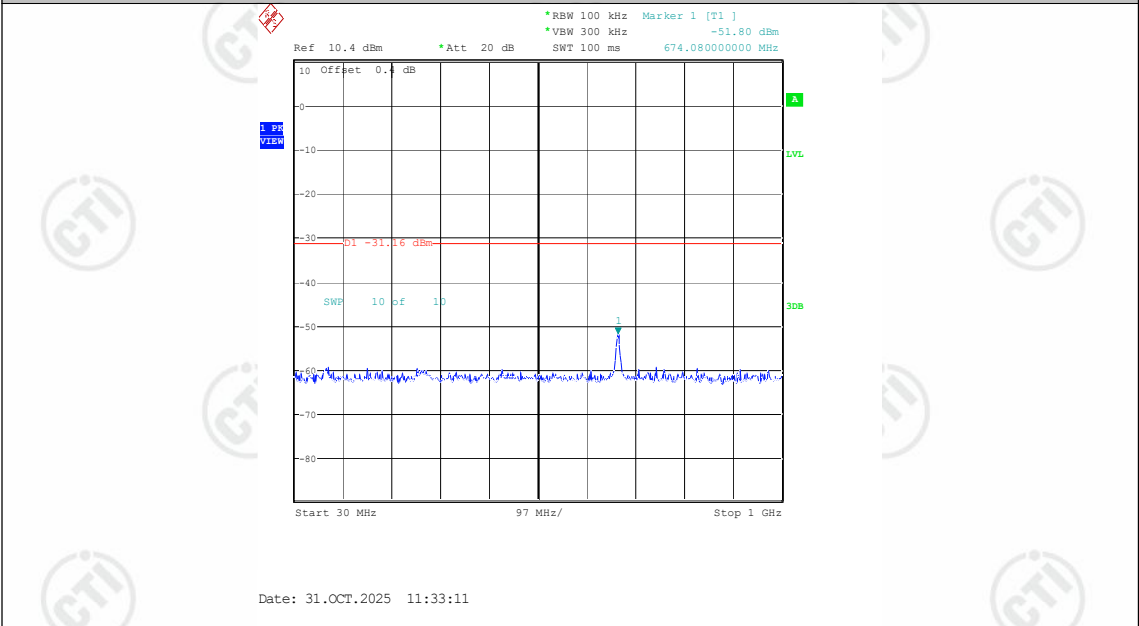
11G-Ant1-2462-30~1000-PASS



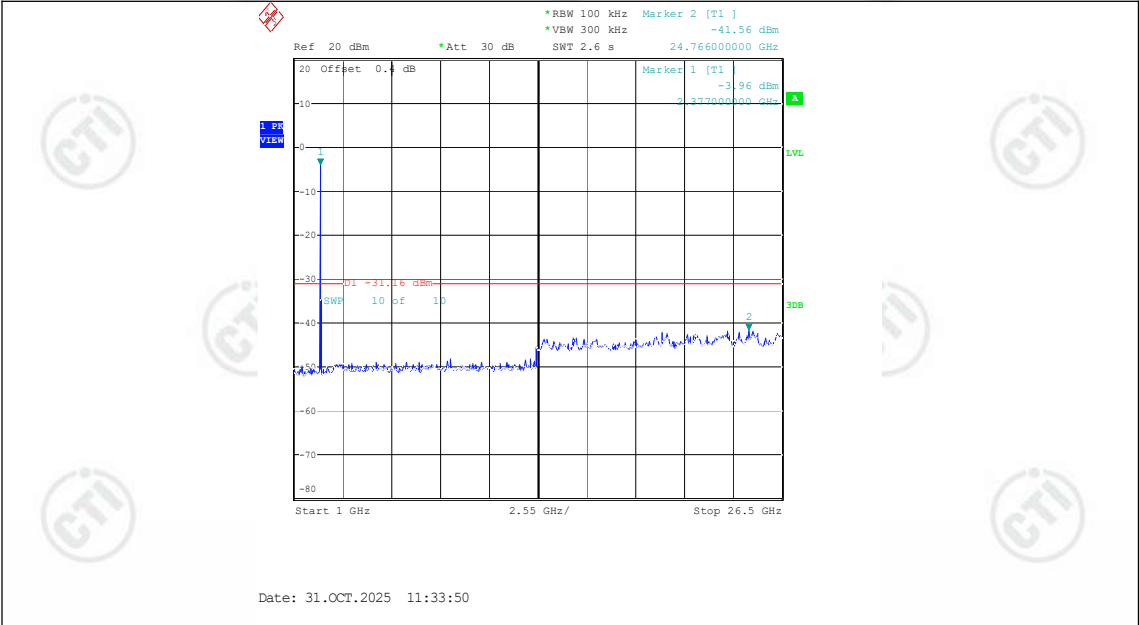
11G-Ant1-2462-1000~26500-PASS



11N20SISO-Ant1-2412-0~Reference-PASS



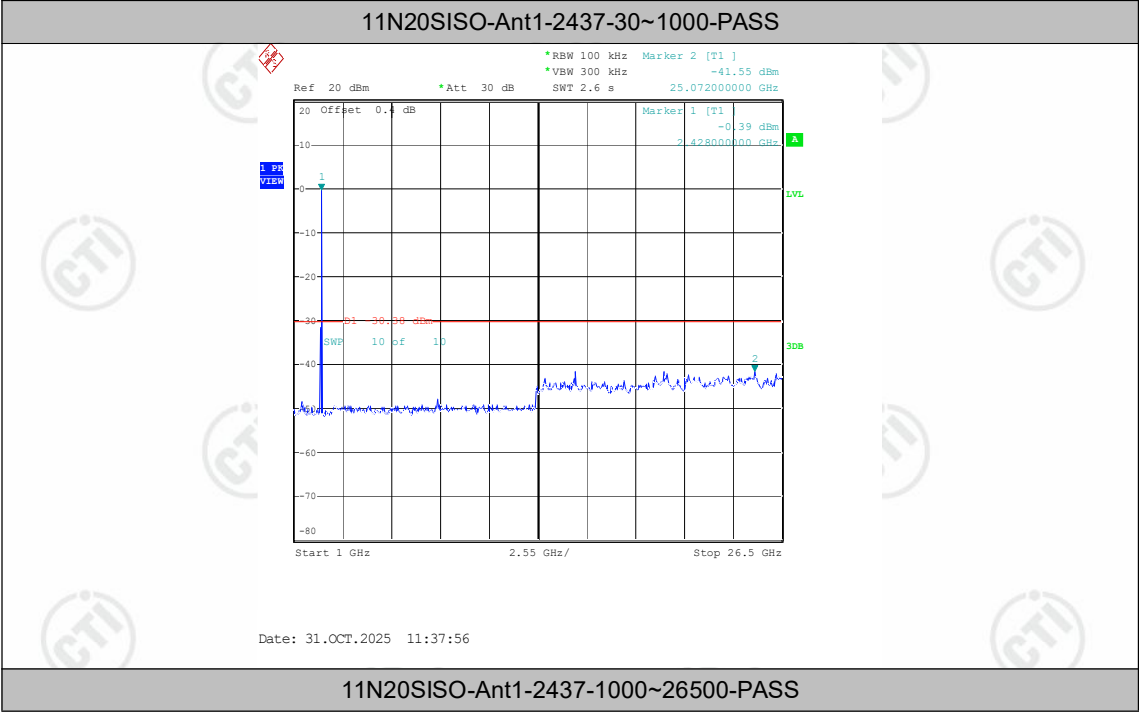
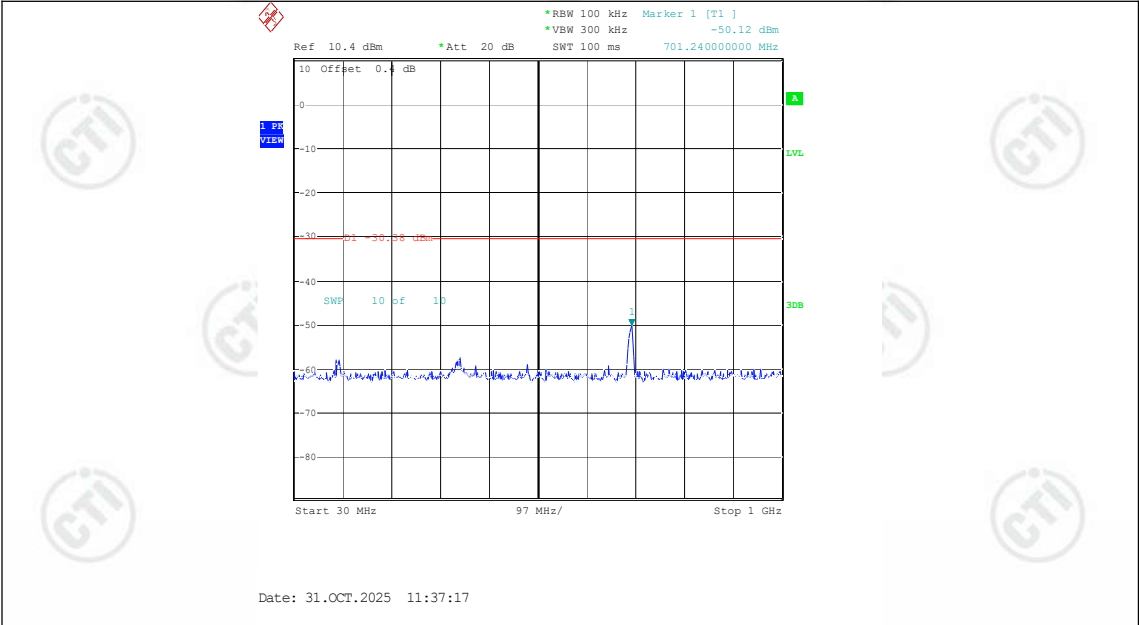
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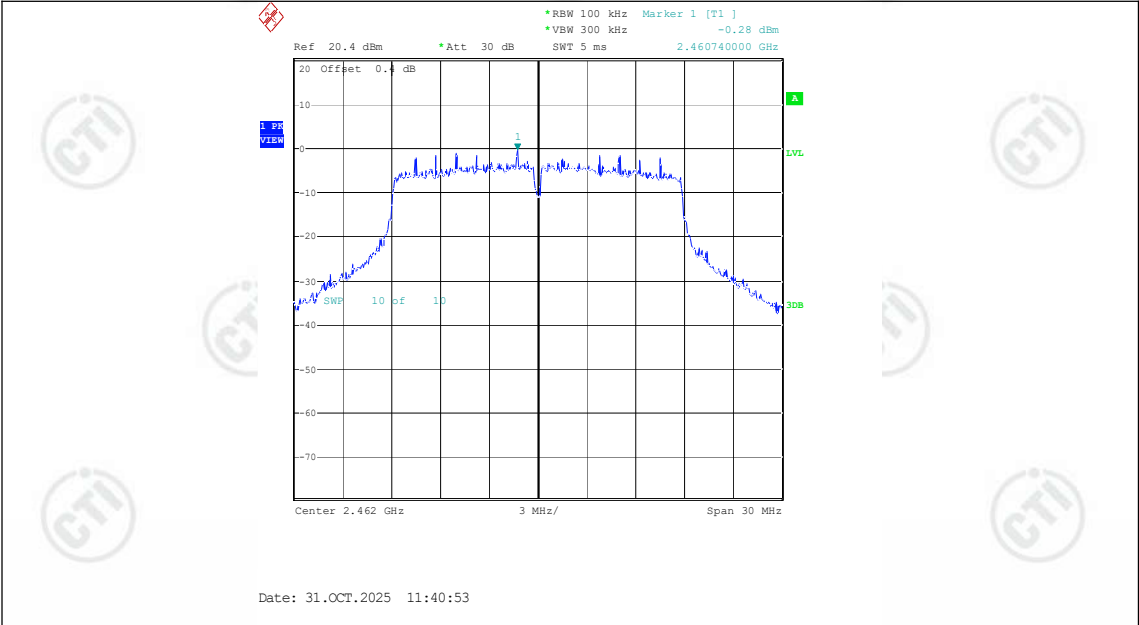


11N20SISO-Ant1-2412-1000~26500-PASS

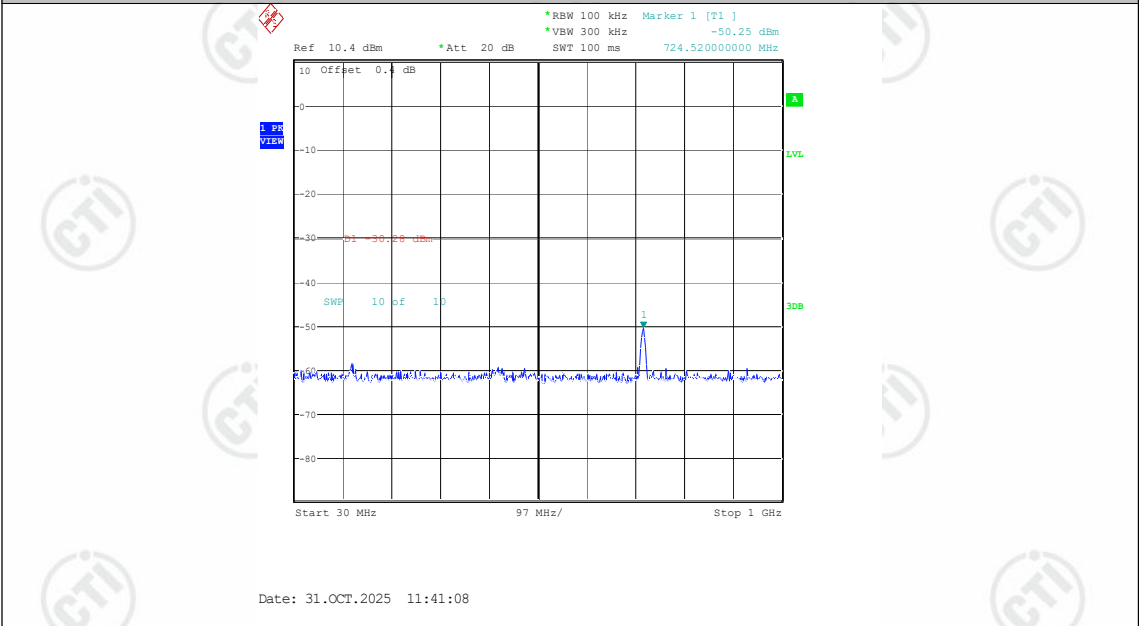


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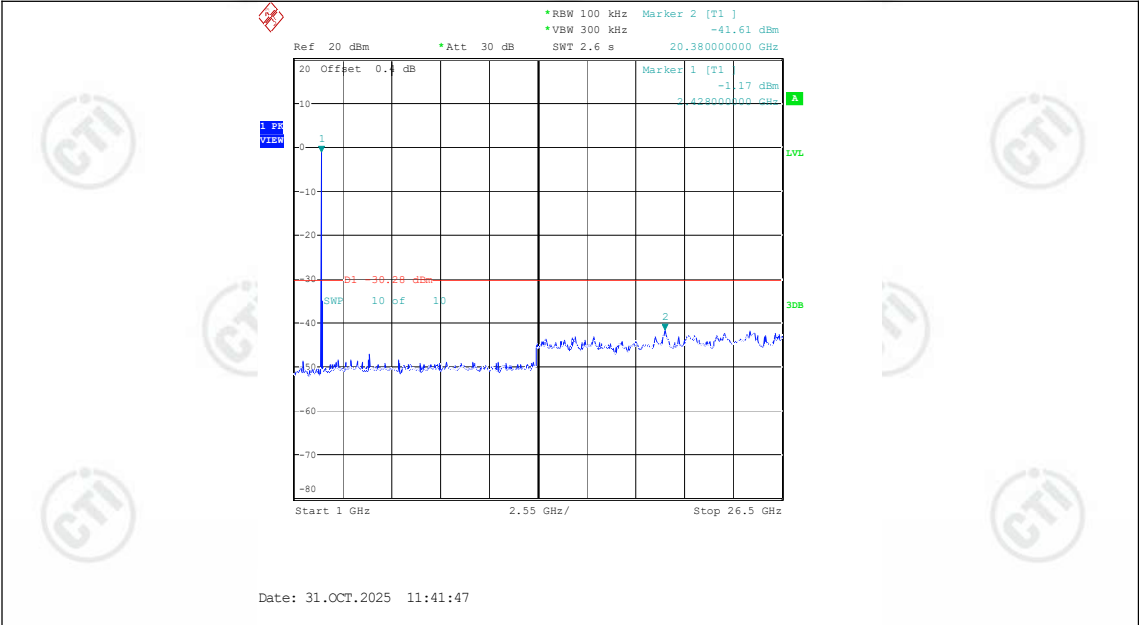




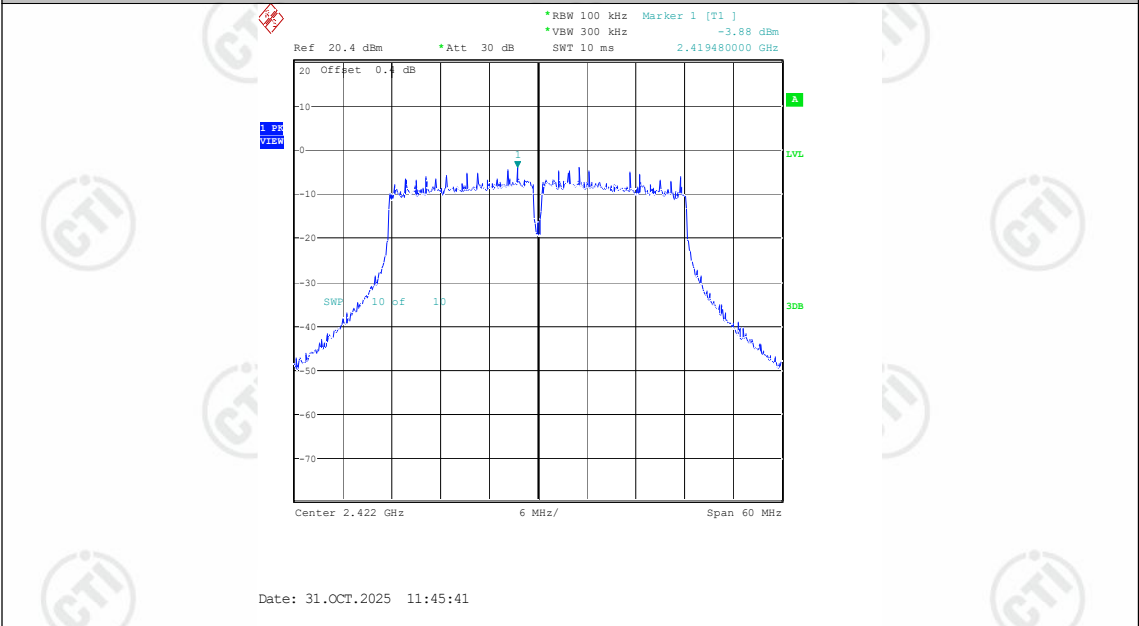
11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS



11N40SISO-Ant1-2422-0~Reference-PASS

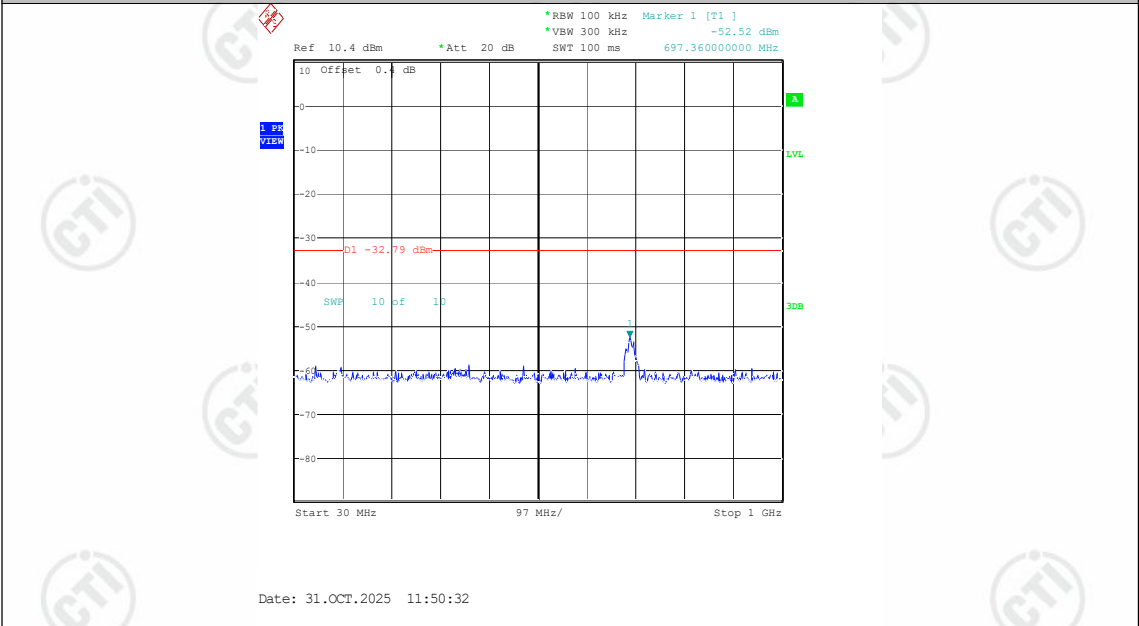


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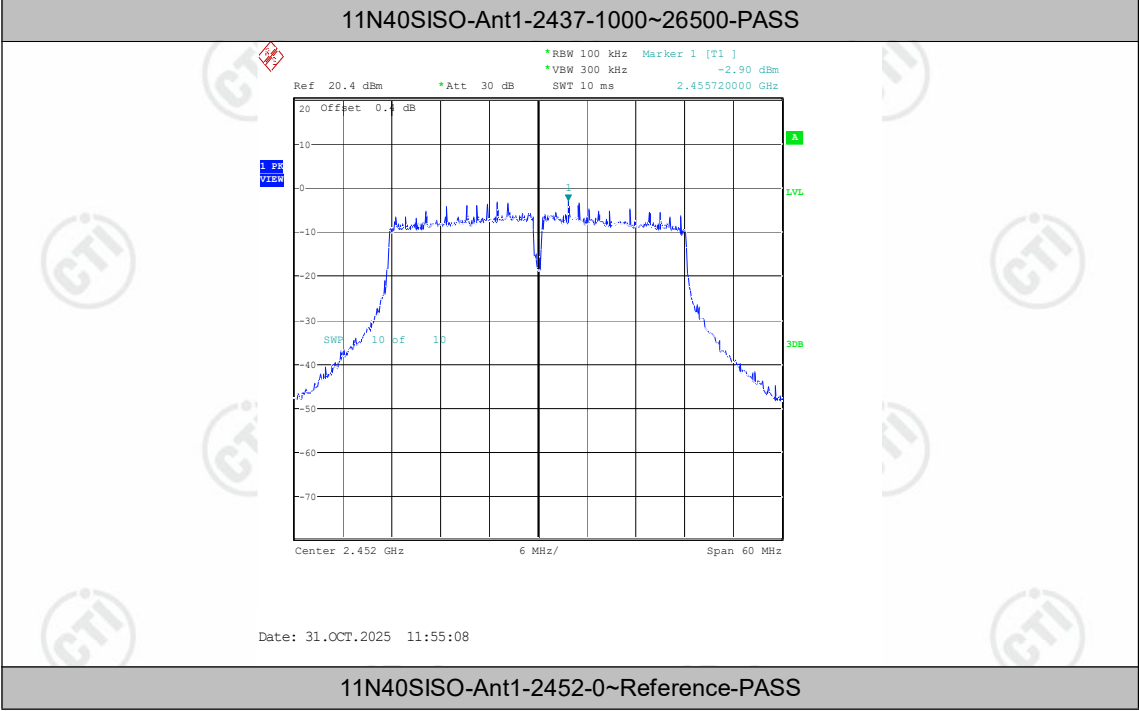
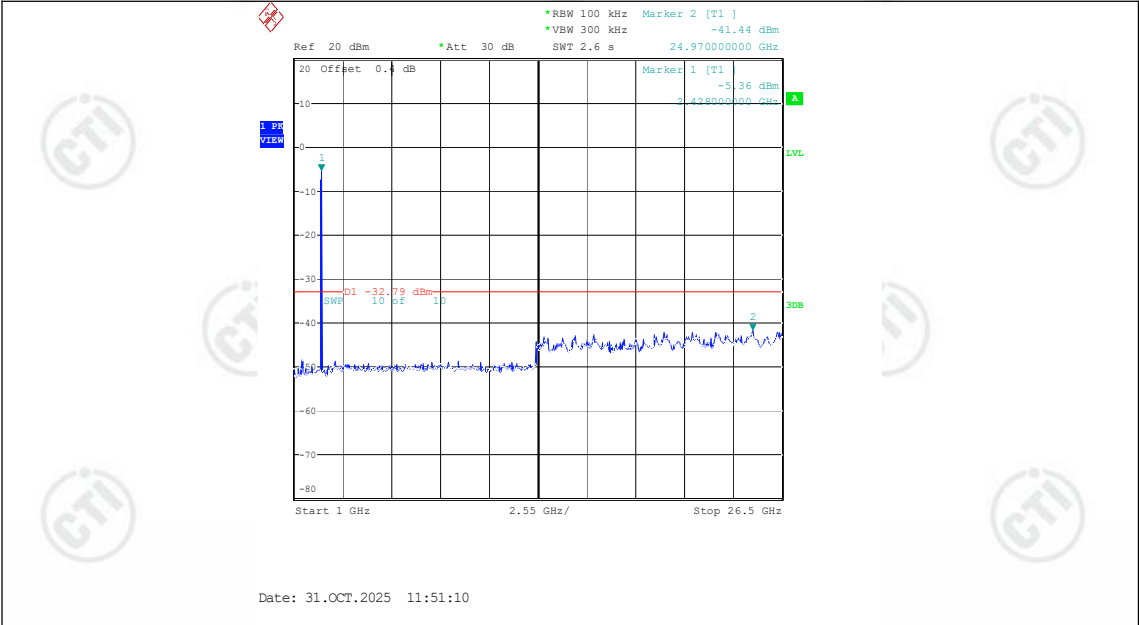
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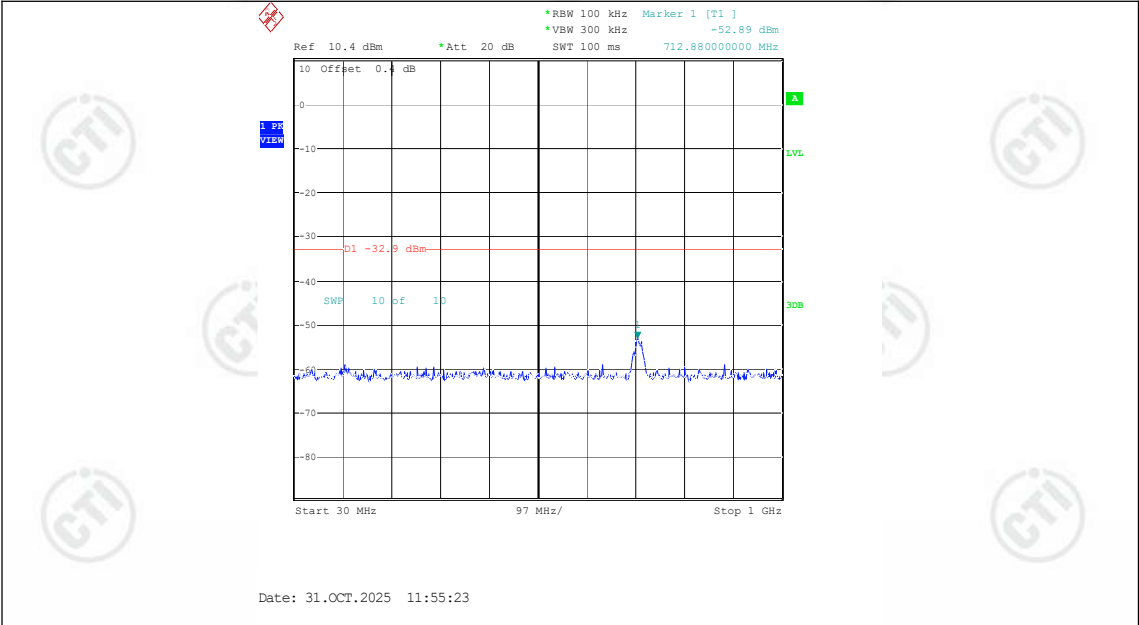


11N40SISO-Ant1-2437-0~Reference-PASS

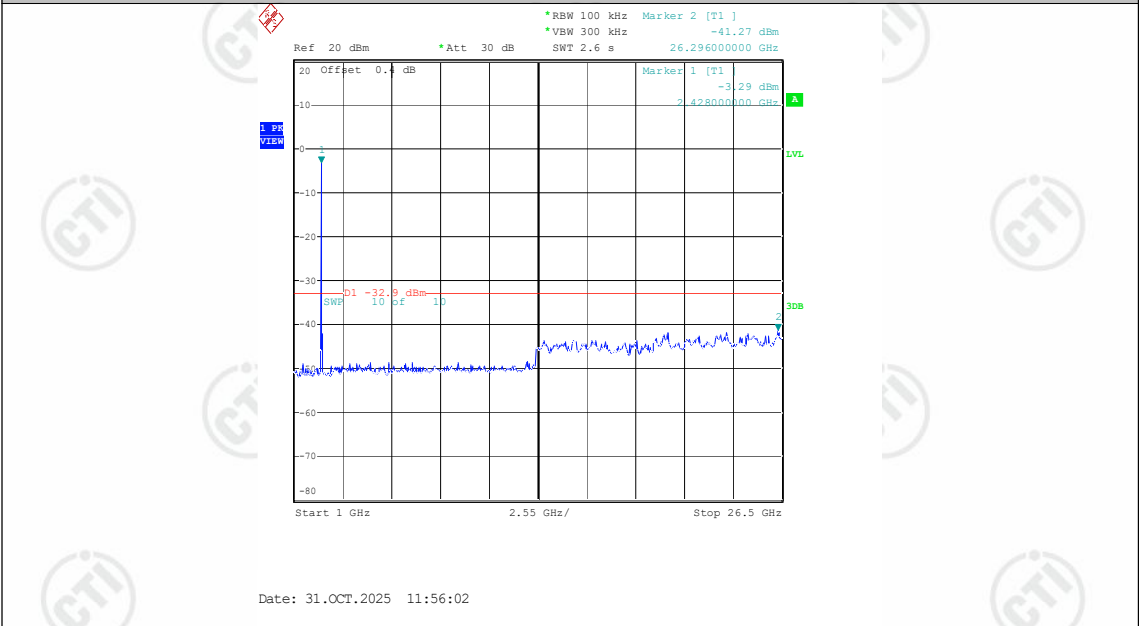


11N40SISO-Ant1-2437-30~1000-PASS





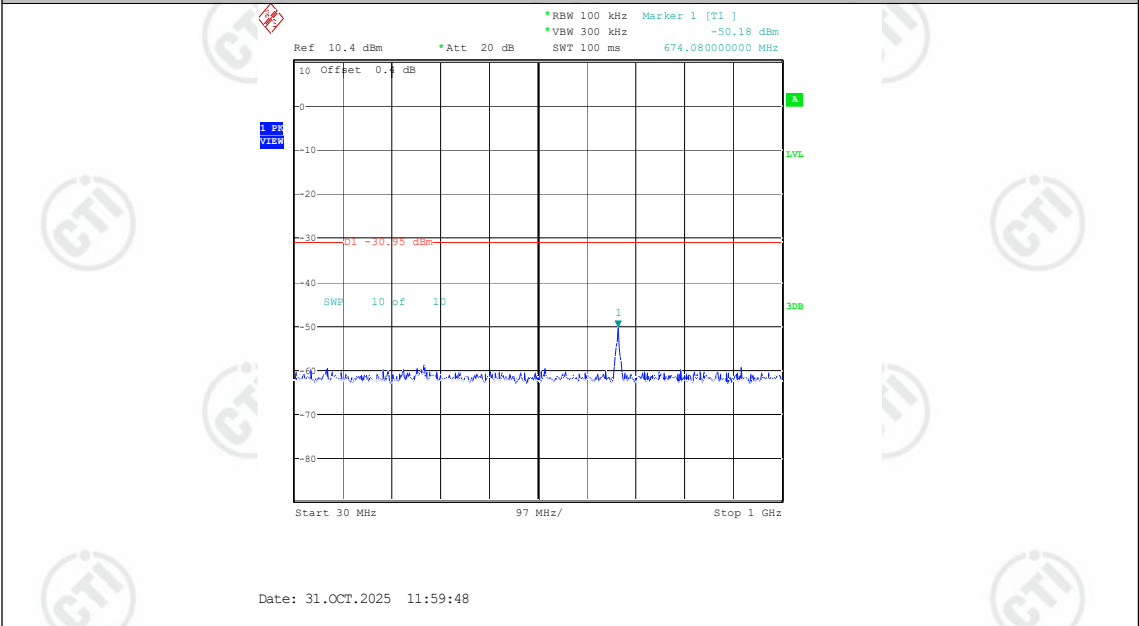
11N40SISO-Ant1-2452-30~1000-PASS



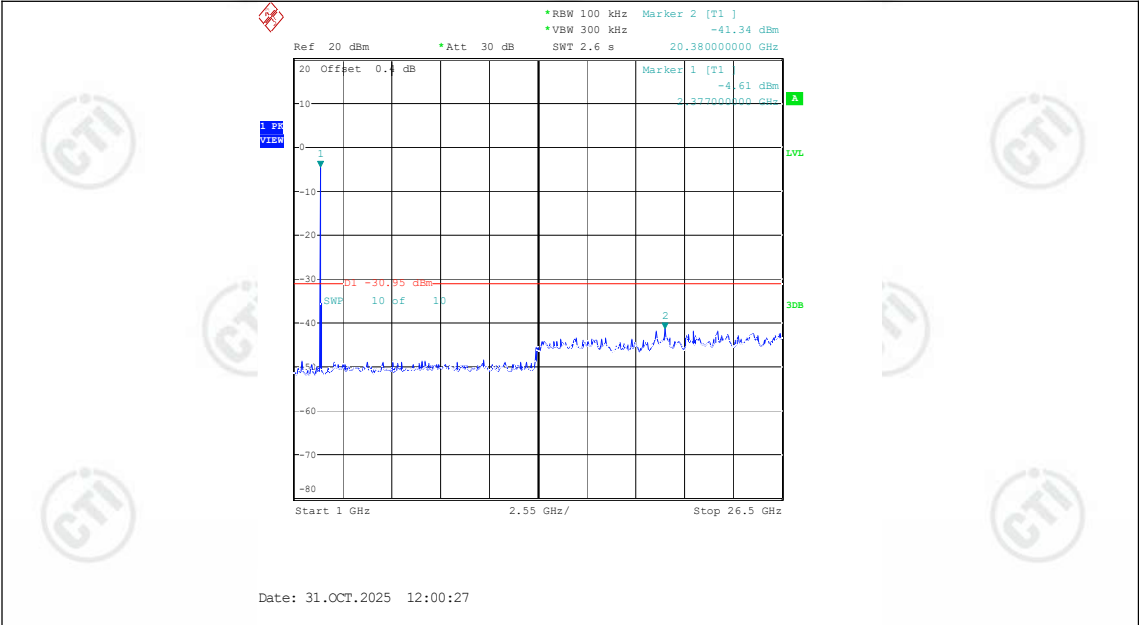
11N40SISO-Ant1-2452-1000~26500-PASS



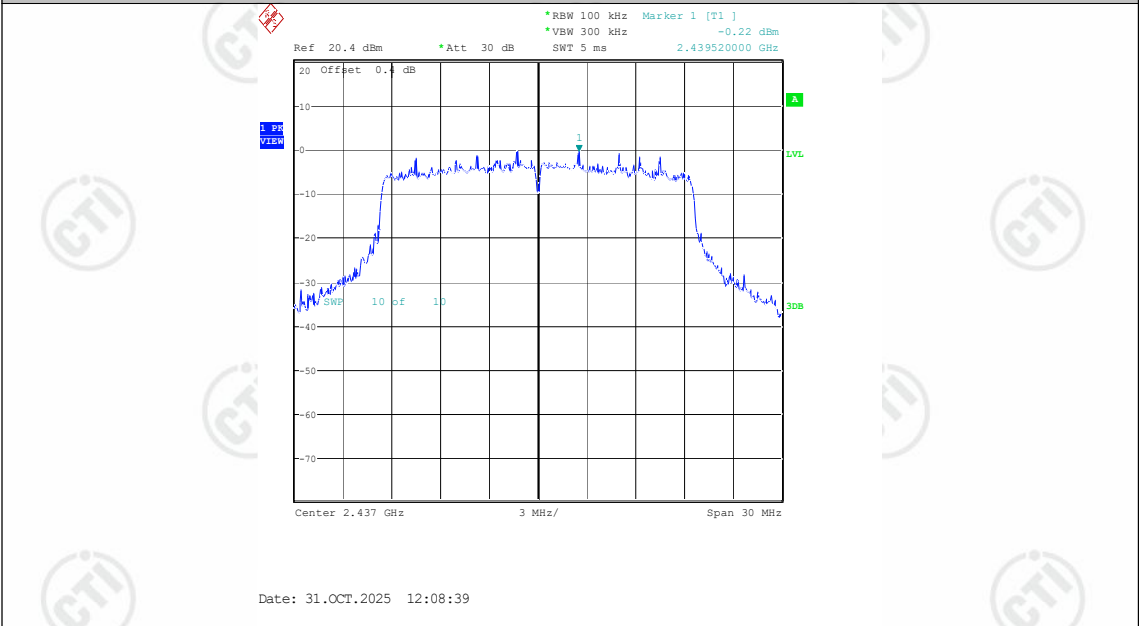
11AX20SISO-Ant1-2412-0~Reference-PASS



11AX20SISO-Ant1-2412-30~1000-PASS



11AX20SISO-Ant1-2412-1000~26500-PASS

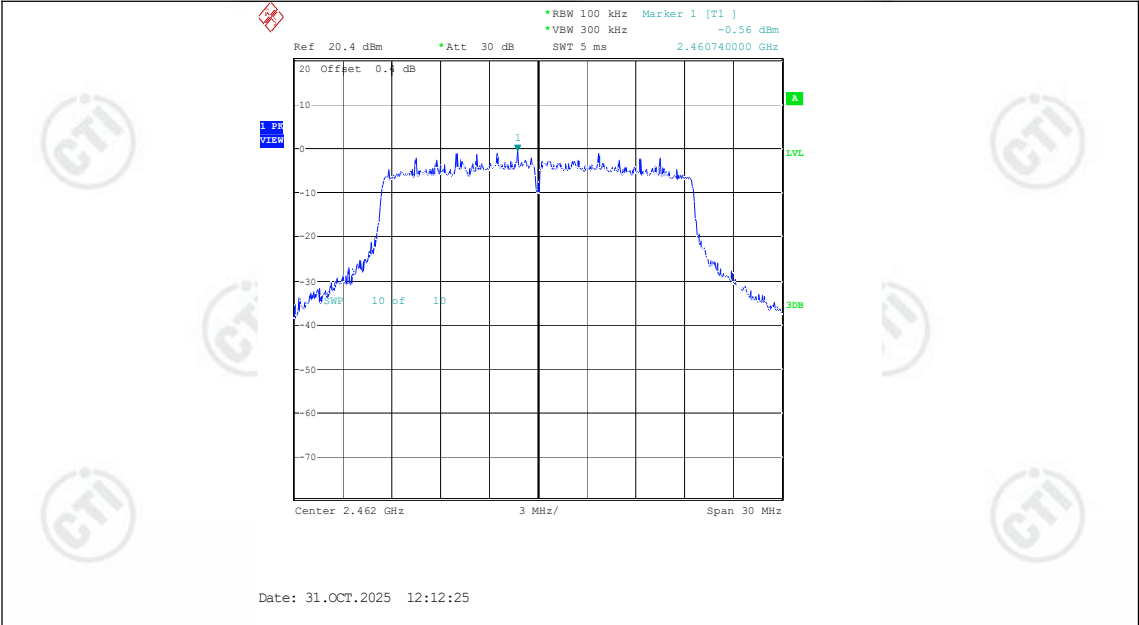


11AX20SISO-Ant1-2437-0~Reference-PASS

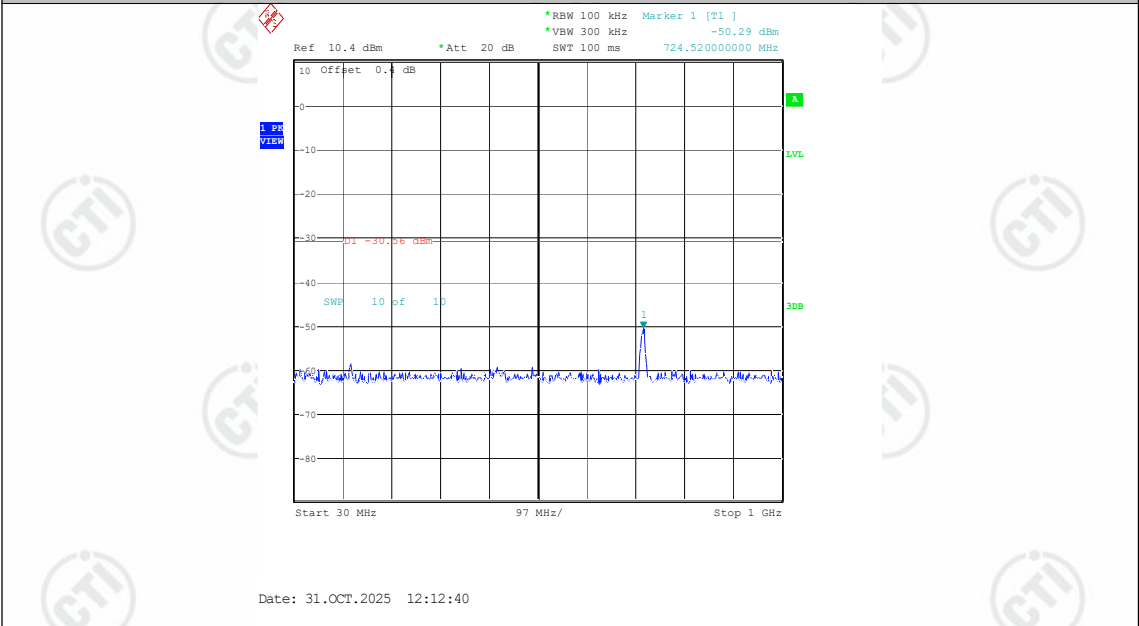


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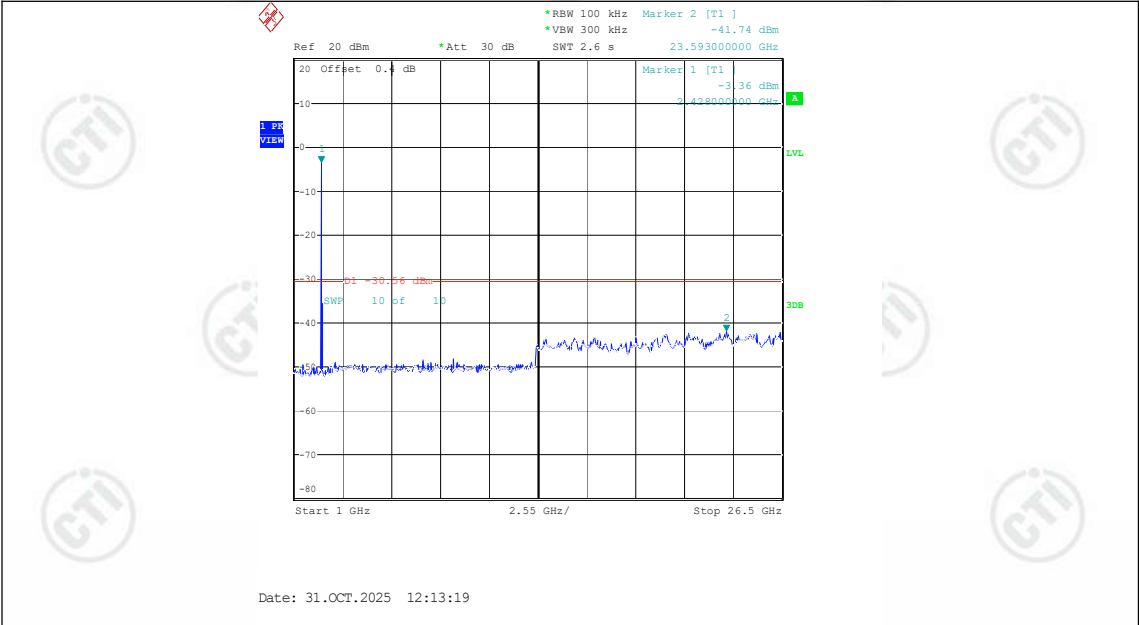
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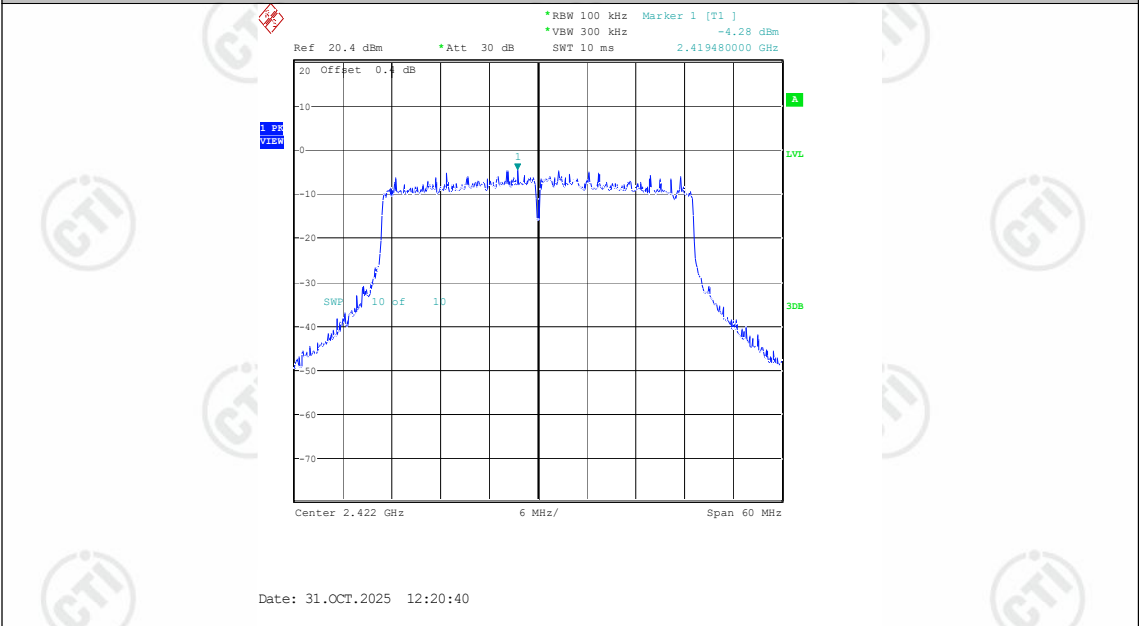
11AX20SISO-Ant1-2462-0~Reference-PASS



11AX20SISO-Ant1-2462-30~1000-PASS



11AX20SISO-Ant1-2462-1000~26500-PASS

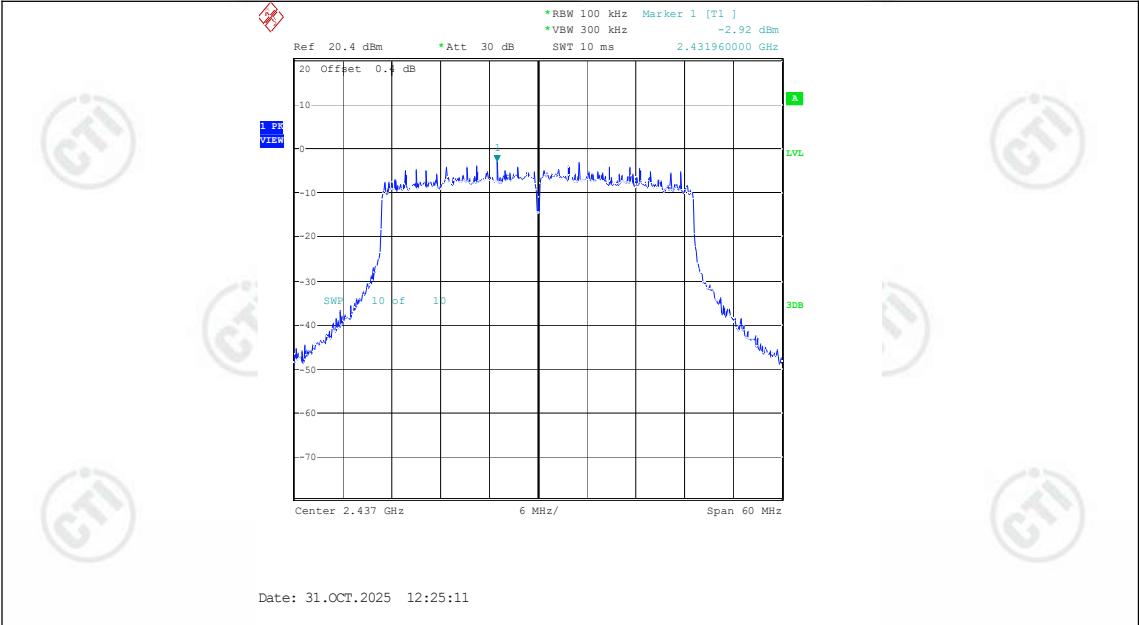


11AX40SISO-Ant1-2422-0~Reference-PASS

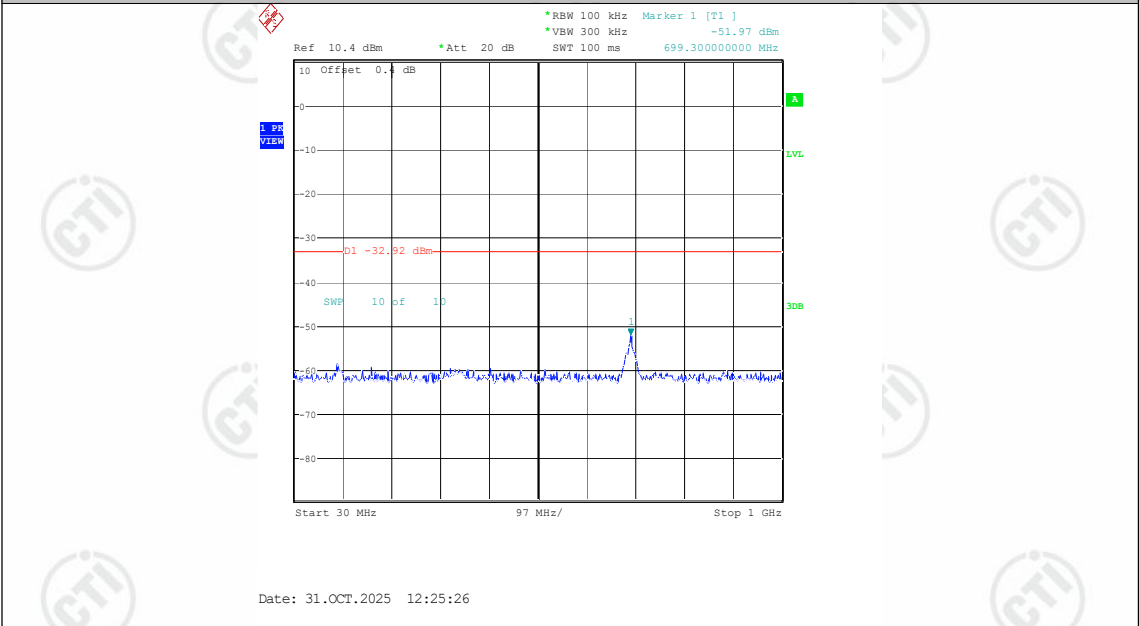


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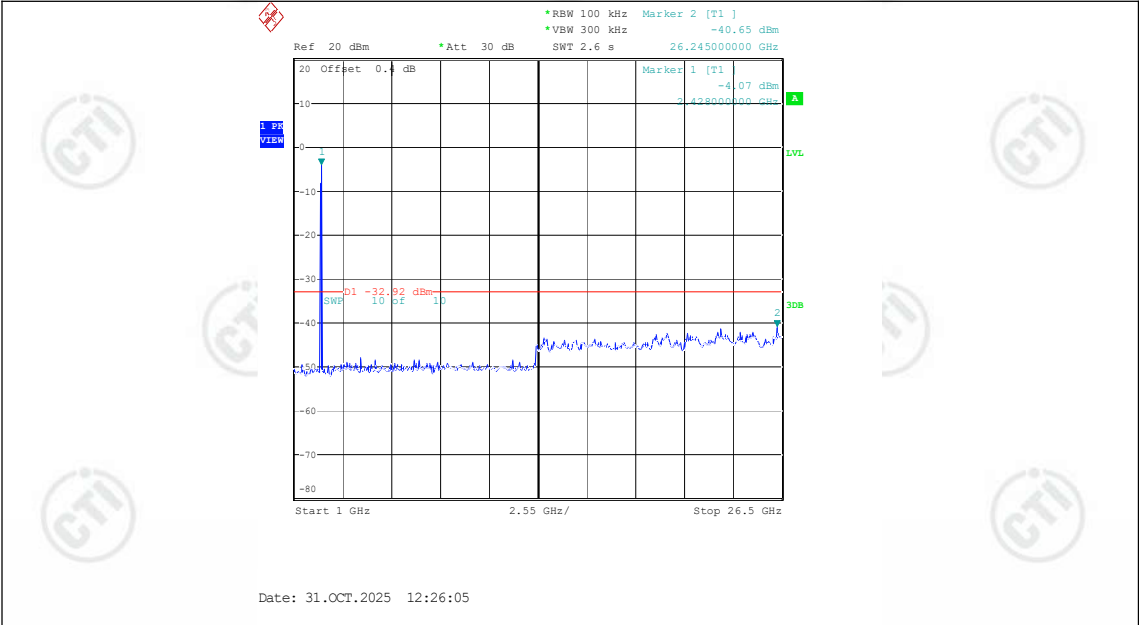
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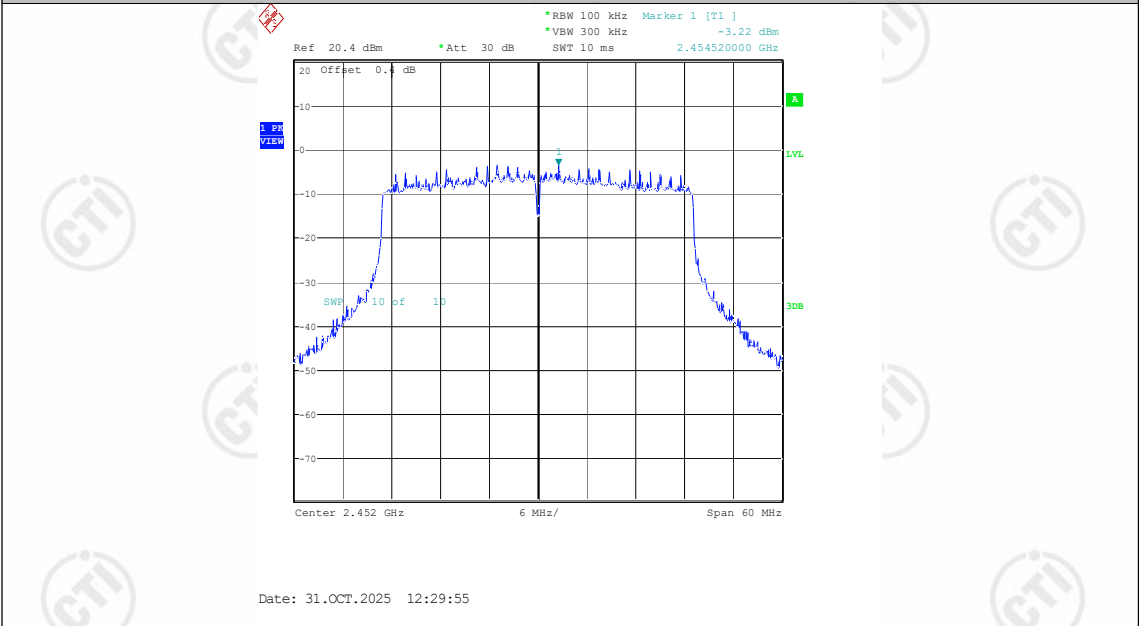
11AX40SISO-Ant1-2437-0~Reference-PASS



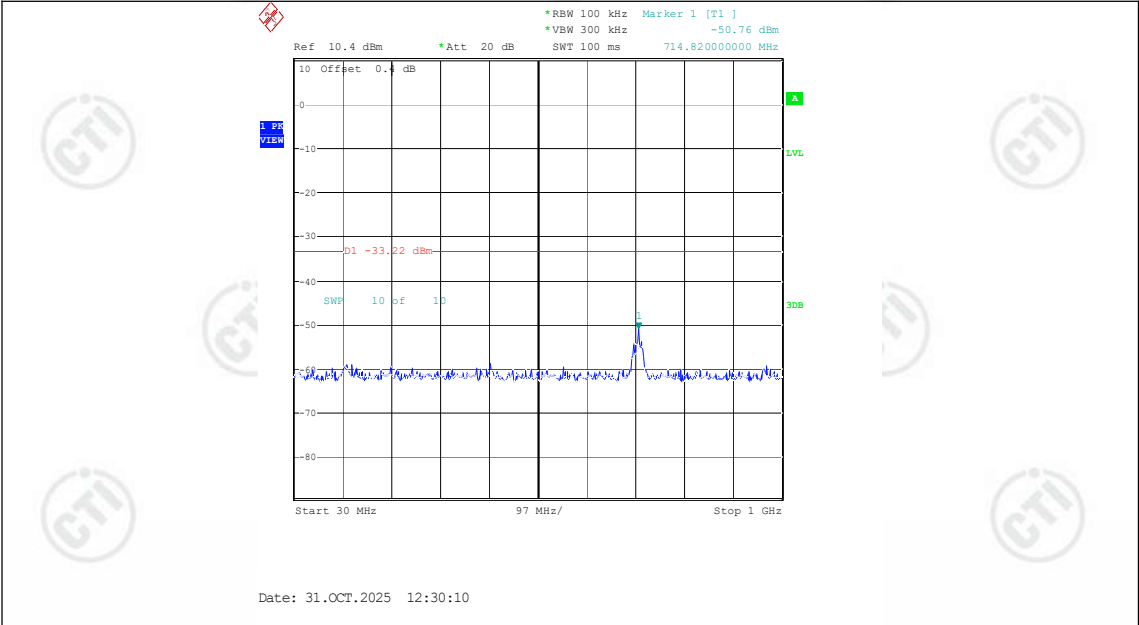
11AX40SISO-Ant1-2437-30~1000-PASS



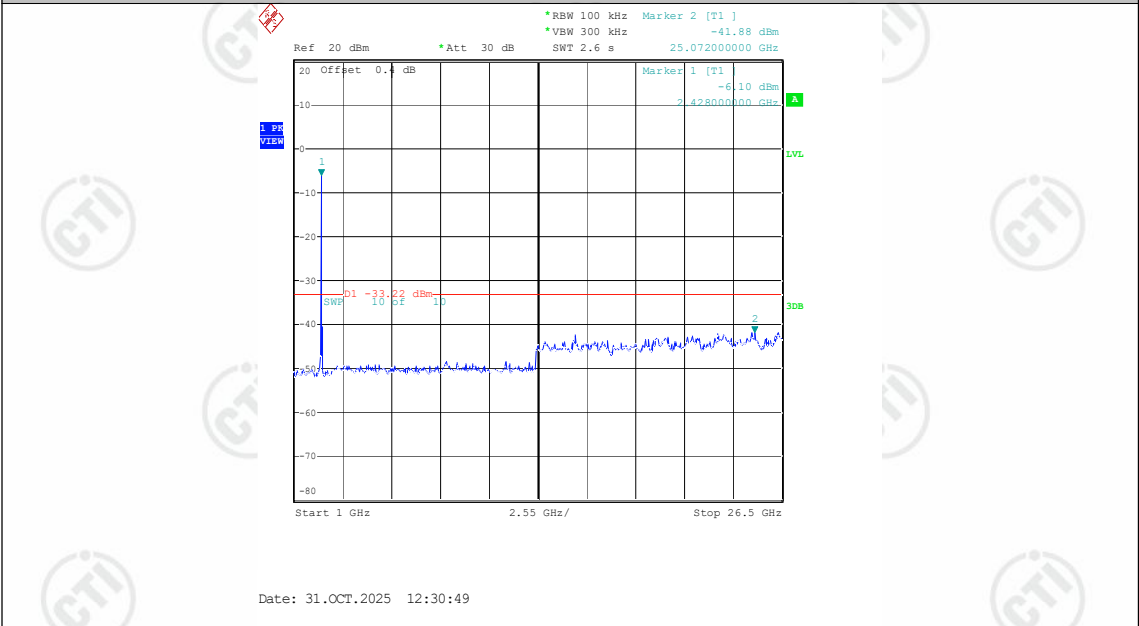
11AX40SISO-Ant1-2437-1000~26500-PASS



11AX40SISO-Ant1-2452-0~Reference-PASS



11AX40SISO-Ant1-2452-30~1000-PASS



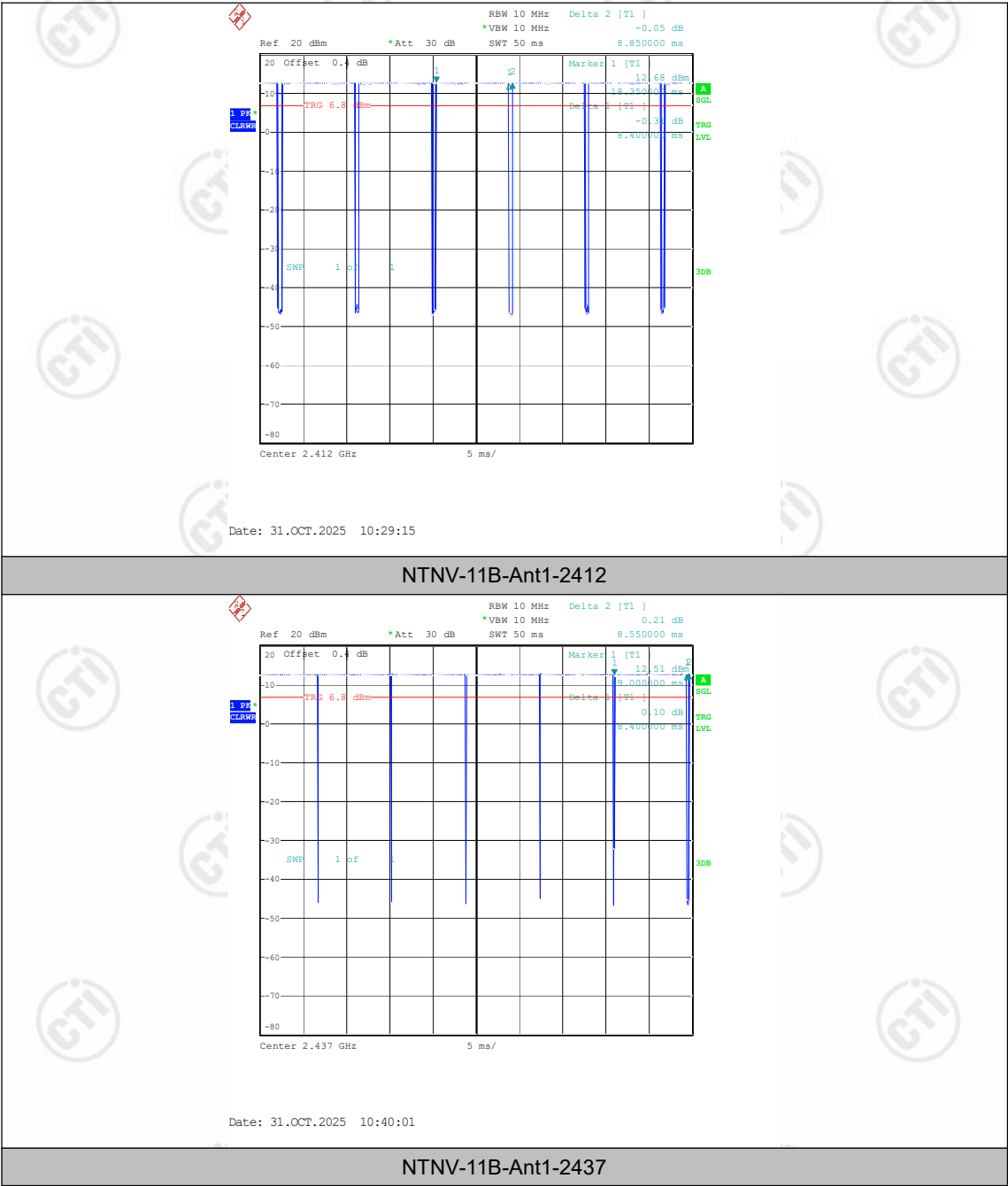
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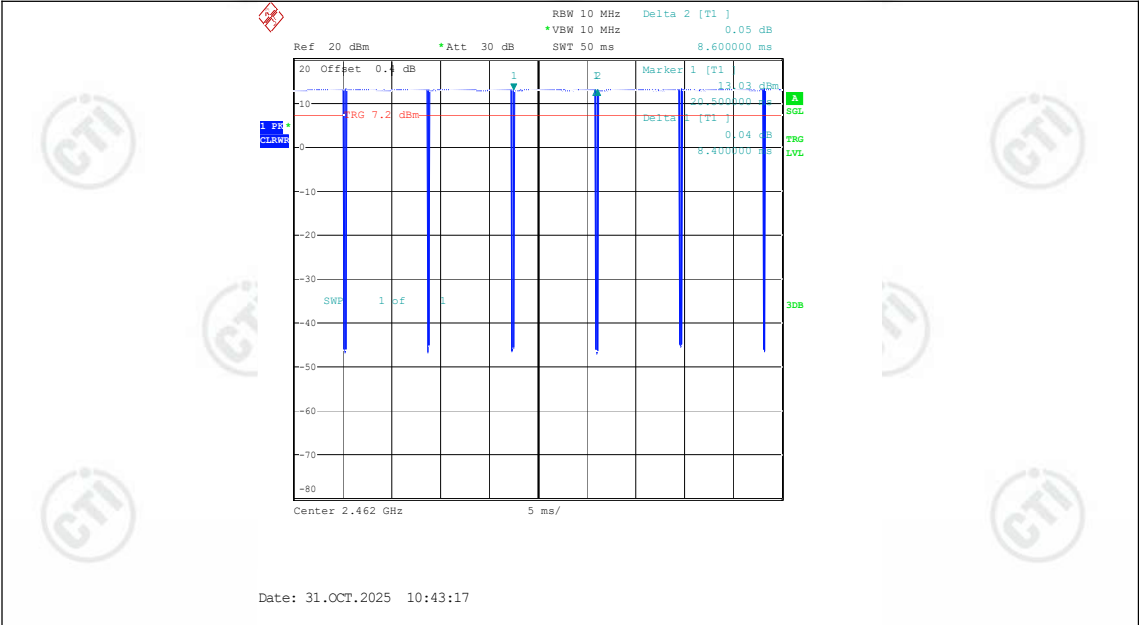
Appendix G: Duty Cycle

Test Result

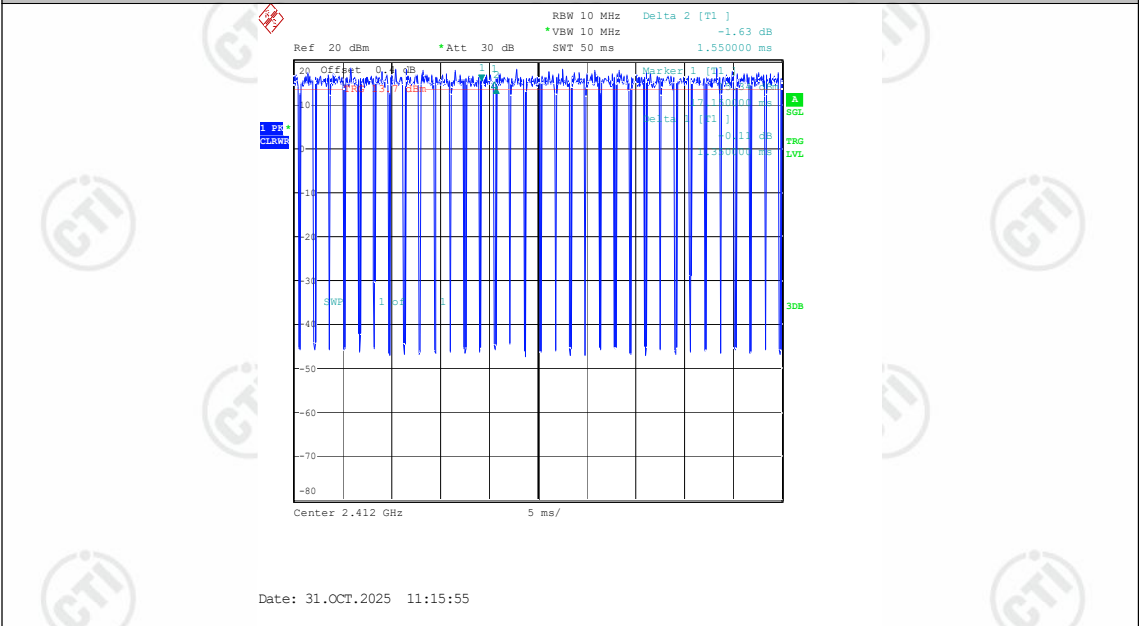
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.40	8.85	94.92	0.23
11B	Ant1	2437	8.40	8.55	98.25	0.08
11B	Ant1	2462	8.40	8.60	97.67	0.10
11G	Ant1	2412	1.35	1.55	87.10	0.60
11G	Ant1	2437	1.35	1.50	90.00	0.46
11G	Ant1	2462	1.40	1.65	84.85	0.71
11N20SISO	Ant1	2412	5.10	5.24	97.33	0.12
11N20SISO	Ant1	2437	5.10	5.32	95.86	0.18
11N20SISO	Ant1	2462	5.10	5.32	95.86	0.18
11N40SISO	Ant1	2422	2.46	2.64	93.18	0.31
11N40SISO	Ant1	2437	2.48	2.64	93.94	0.27
11N40SISO	Ant1	2452	2.46	2.70	91.11	0.40
11AX20SISO	Ant1	2412	3.88	4.06	95.57	0.20
11AX20SISO	Ant1	2437	3.88	4.08	95.10	0.22
11AX20SISO	Ant1	2462	3.88	4.08	95.10	0.22
11AX40SISO	Ant1	2422	1.96	2.14	91.59	0.38
11AX40SISO	Ant1	2437	1.98	2.14	92.52	0.34
11AX40SISO	Ant1	2452	1.96	2.42	80.99	0.92

Test Graphs

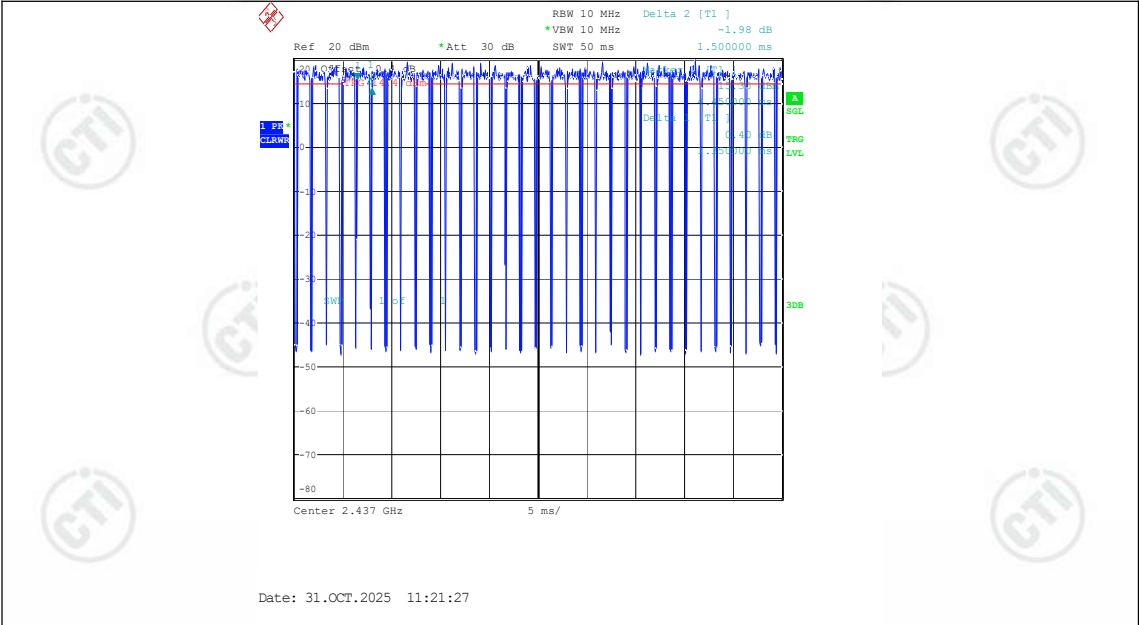




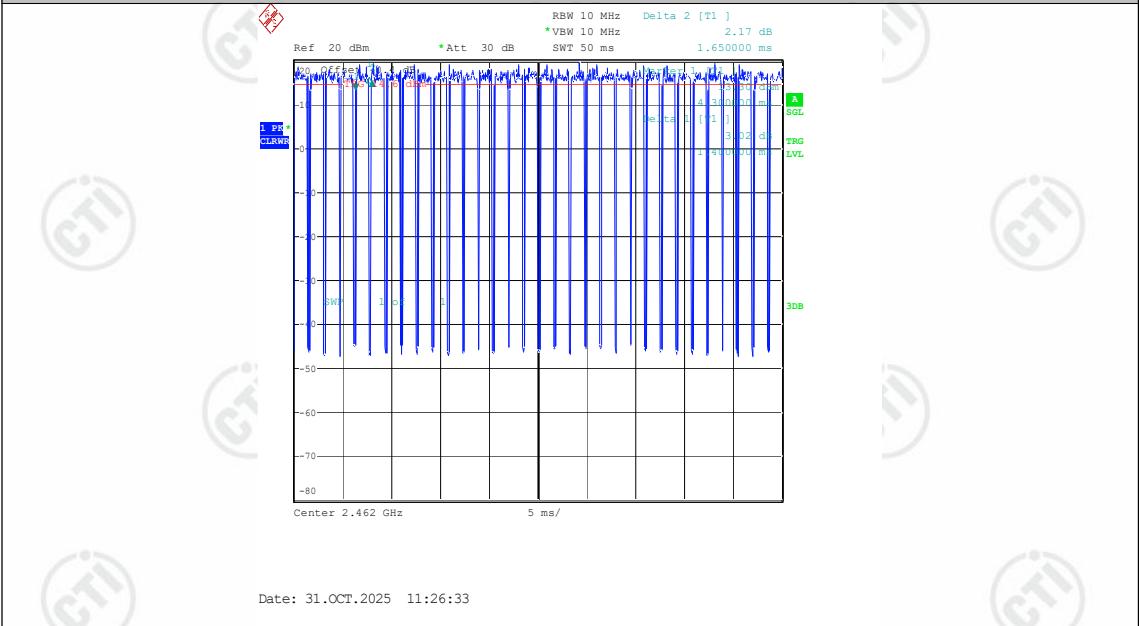
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437

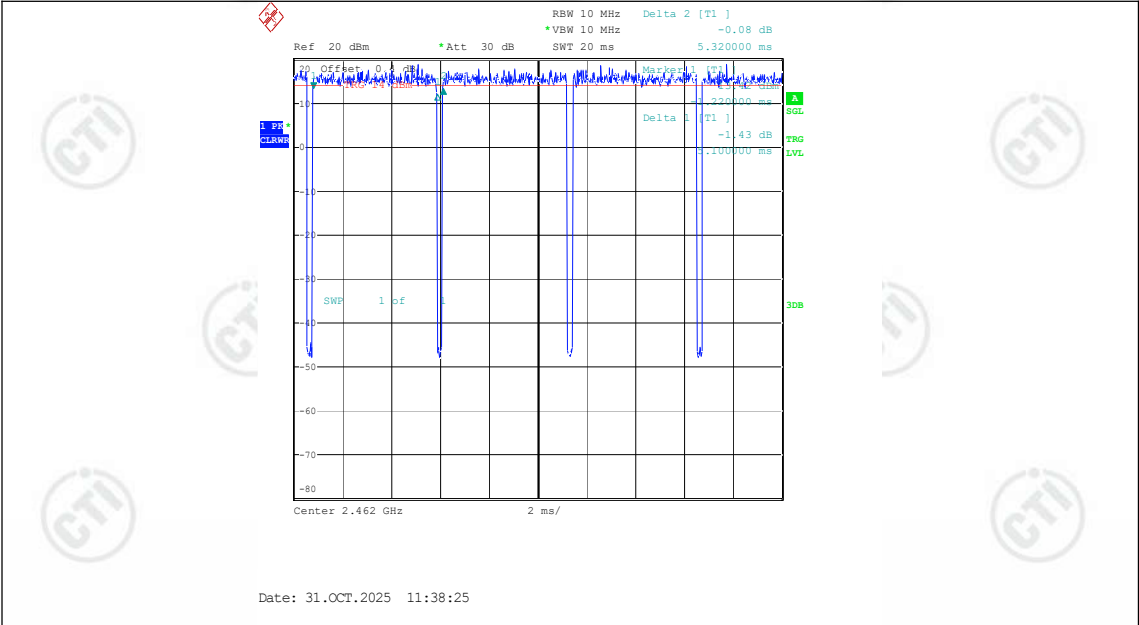


NTNV-11G-Ant1-2462

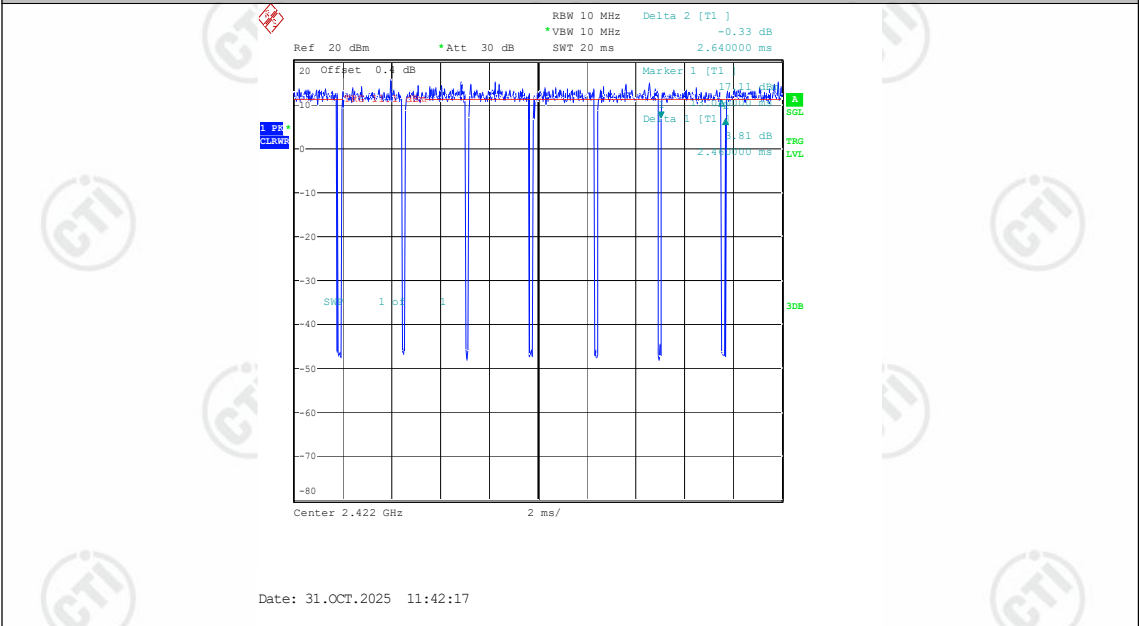


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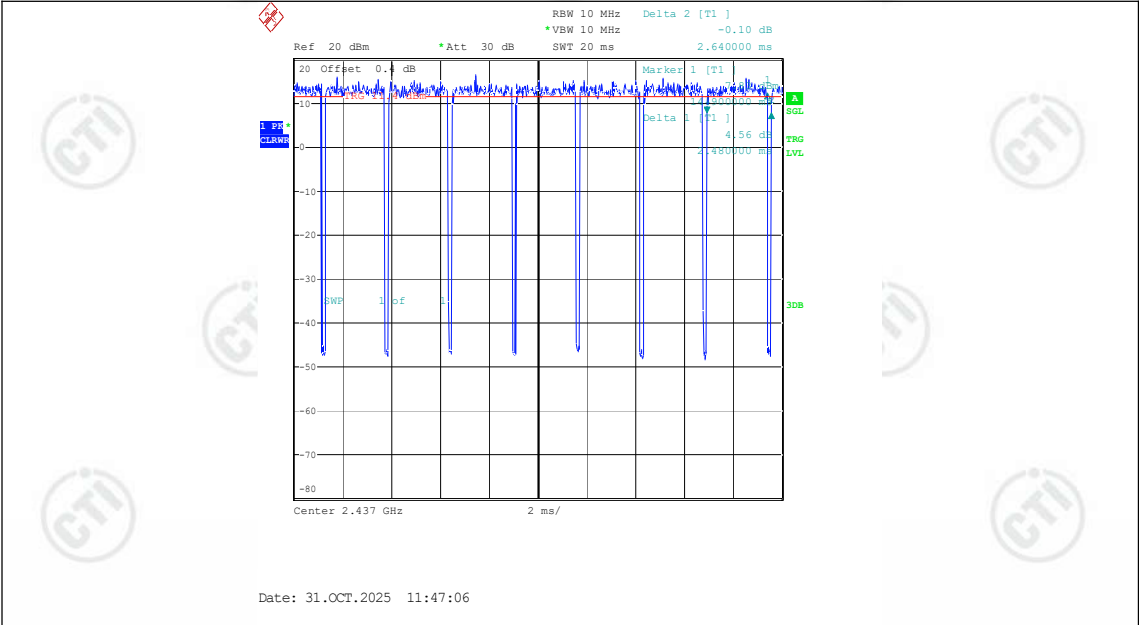
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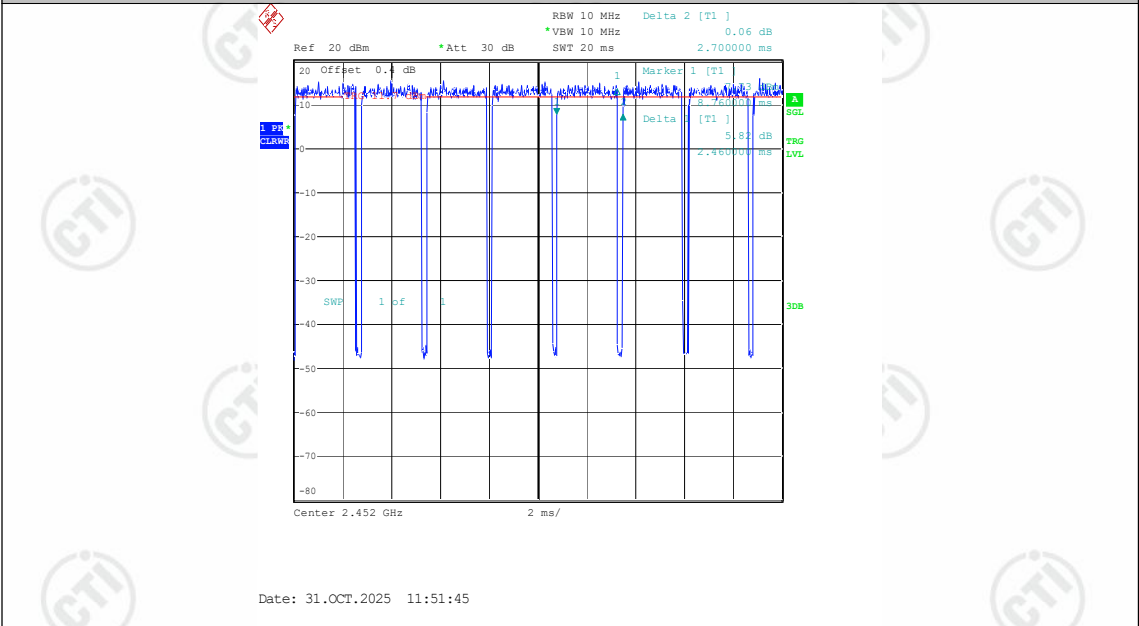
NTNV-11N20SISO-Ant1-2462



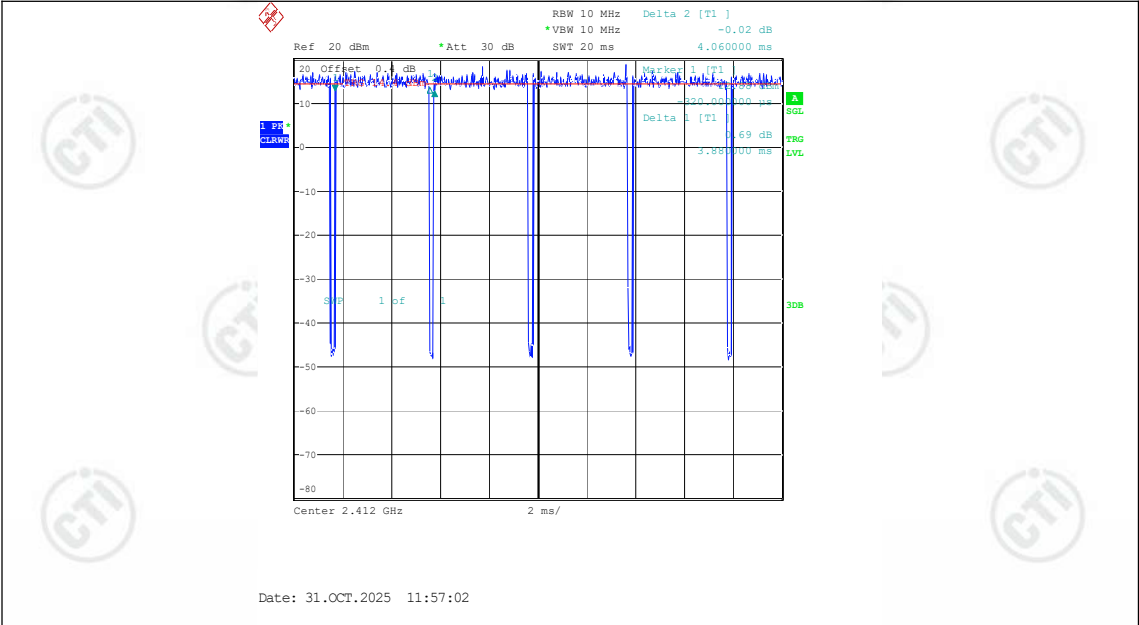
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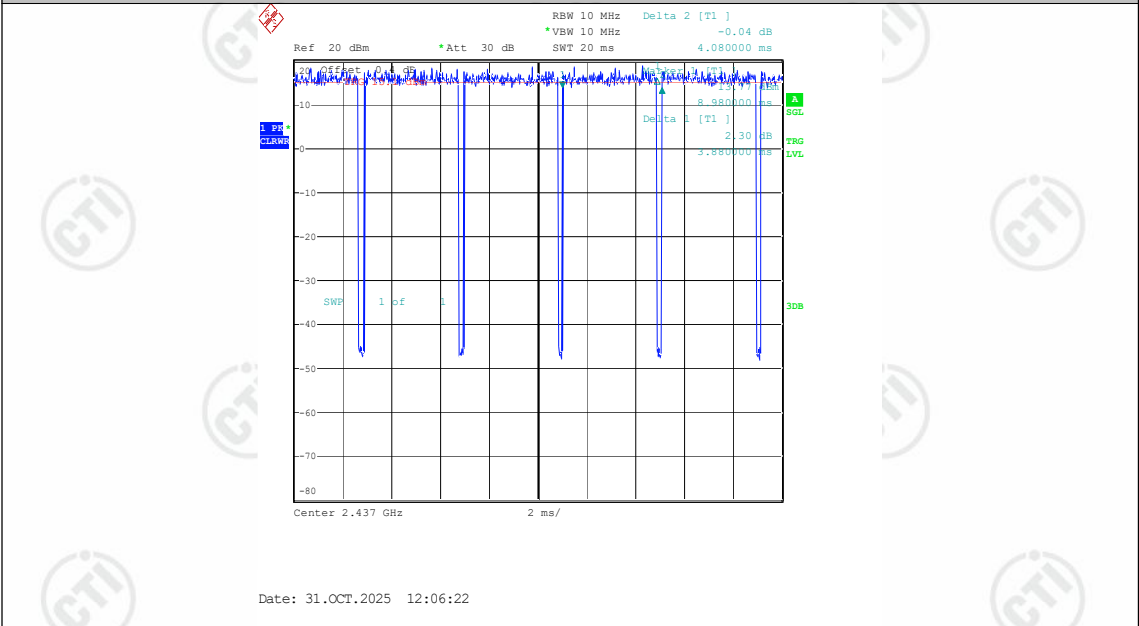
NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452



NTNV-11AX20SISO-Ant1-2412

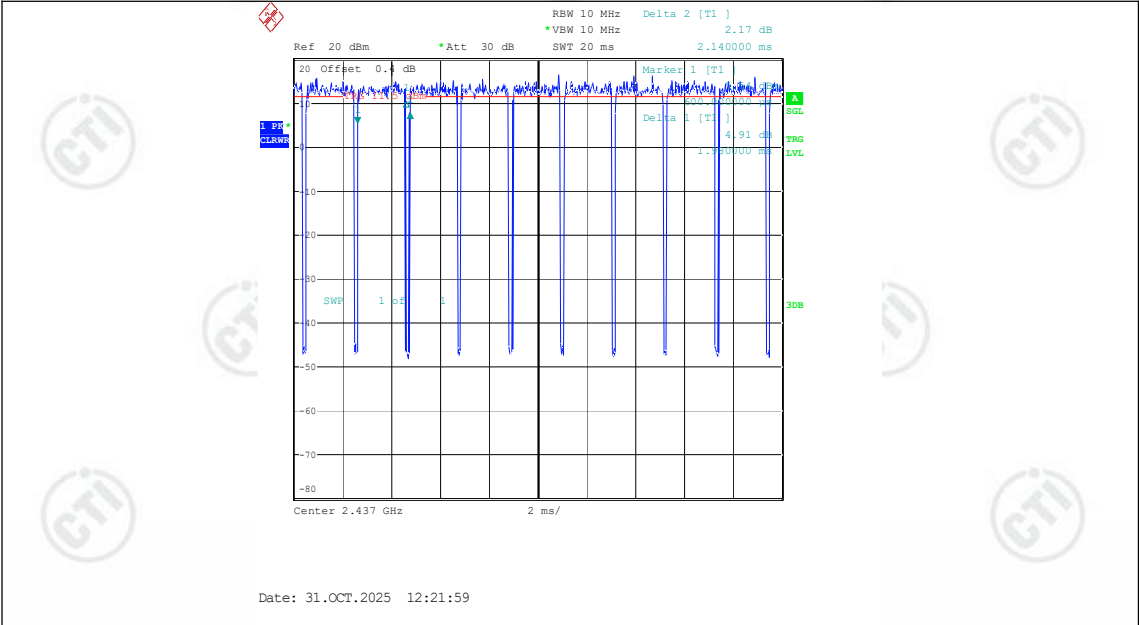


NTNV-11AX20SISO-Ant1-2437

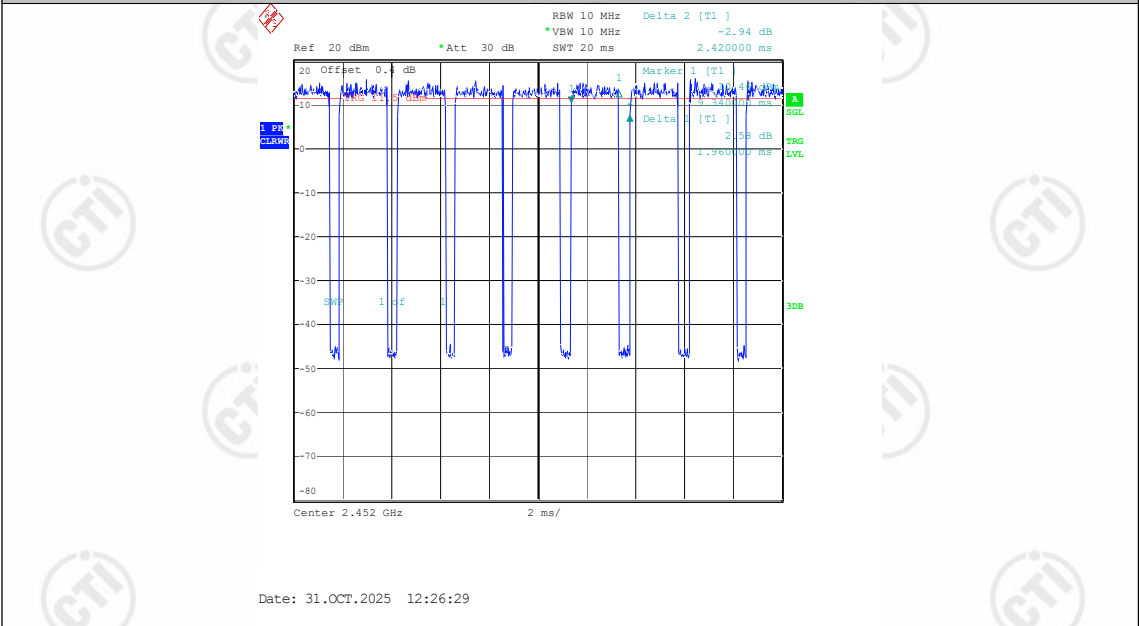


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NTNV-11AX40SISO-Ant1-2437



NTNV-11AX40SISO-Ant1-2452

*** End of Report ***