

Appendix: 2.4G Wi-Fi

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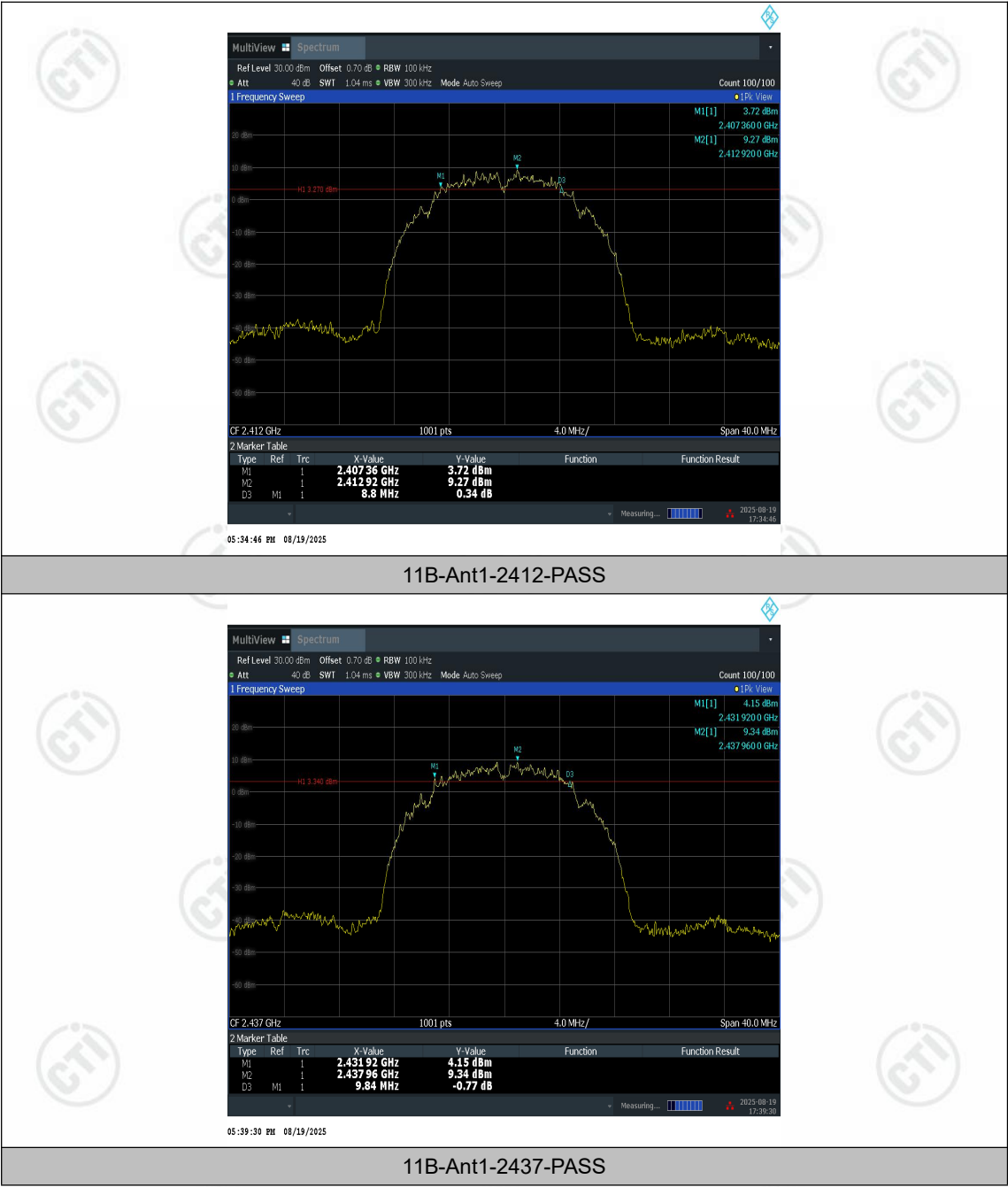
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.80	2407.36	2416.16	0.5	PASS
11B	Ant1	2437	9.84	2431.92	2441.76	0.5	PASS
11B	Ant1	2462	9.24	2457.24	2466.48	0.5	PASS
11G	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
11G	Ant1	2437	16.32	2428.80	2445.12	0.5	PASS
11G	Ant1	2462	16.32	2453.80	2470.12	0.5	PASS
11N20SISO	Ant1	2412	17.12	2403.40	2420.52	0.5	PASS
11N20SISO	Ant1	2437	16.56	2428.56	2445.12	0.5	PASS
11N20SISO	Ant1	2462	16.44	2453.68	2470.12	0.5	PASS
11N40SISO	Ant1	2422	34.08	2405.44	2439.52	0.5	PASS
11N40SISO	Ant1	2437	35.04	2419.40	2454.44	0.5	PASS
11N40SISO	Ant1	2452	33.84	2435.28	2469.12	0.5	PASS

Test Graphs





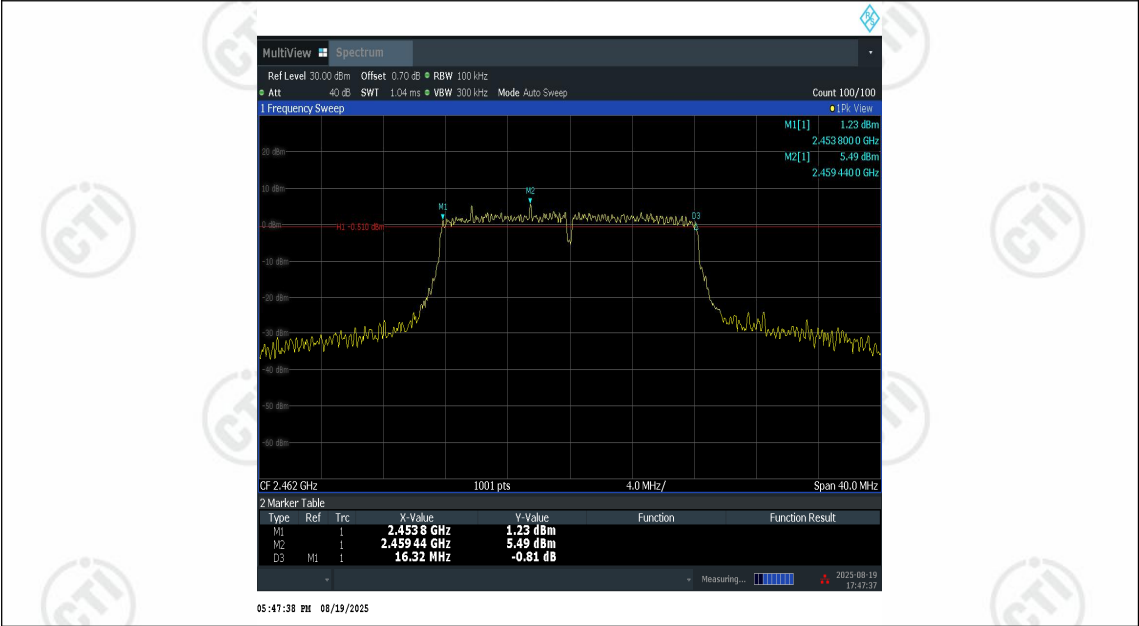
11B-Ant1-2462-PASS



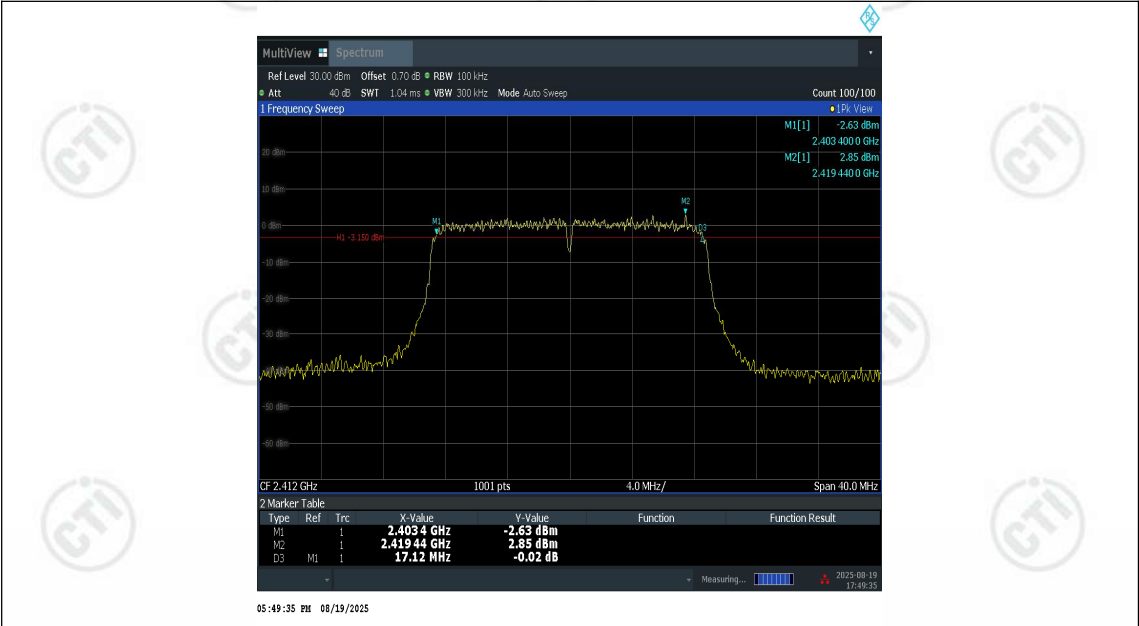
11G-Ant1-2412-PASS



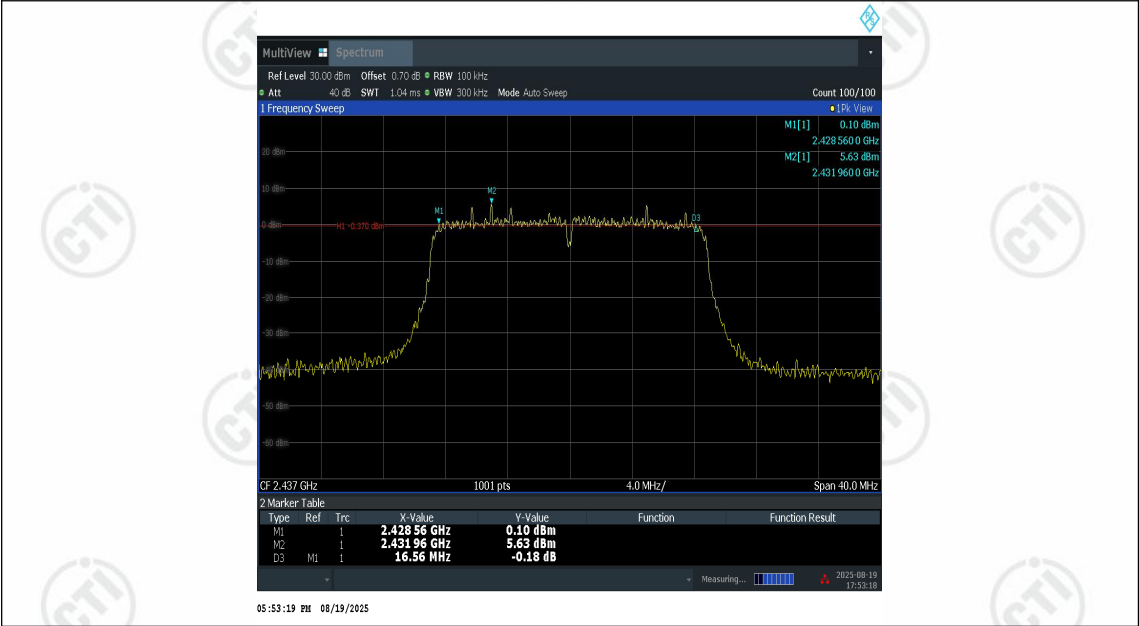
11G-Ant1-2437-PASS



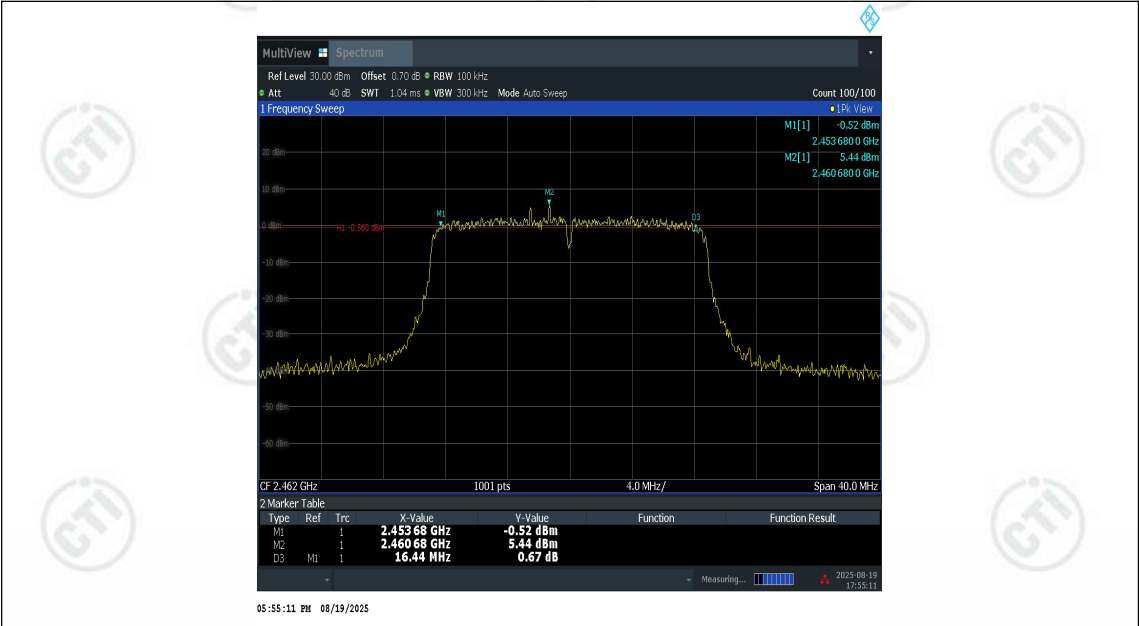
11G-Ant1-2462-PASS



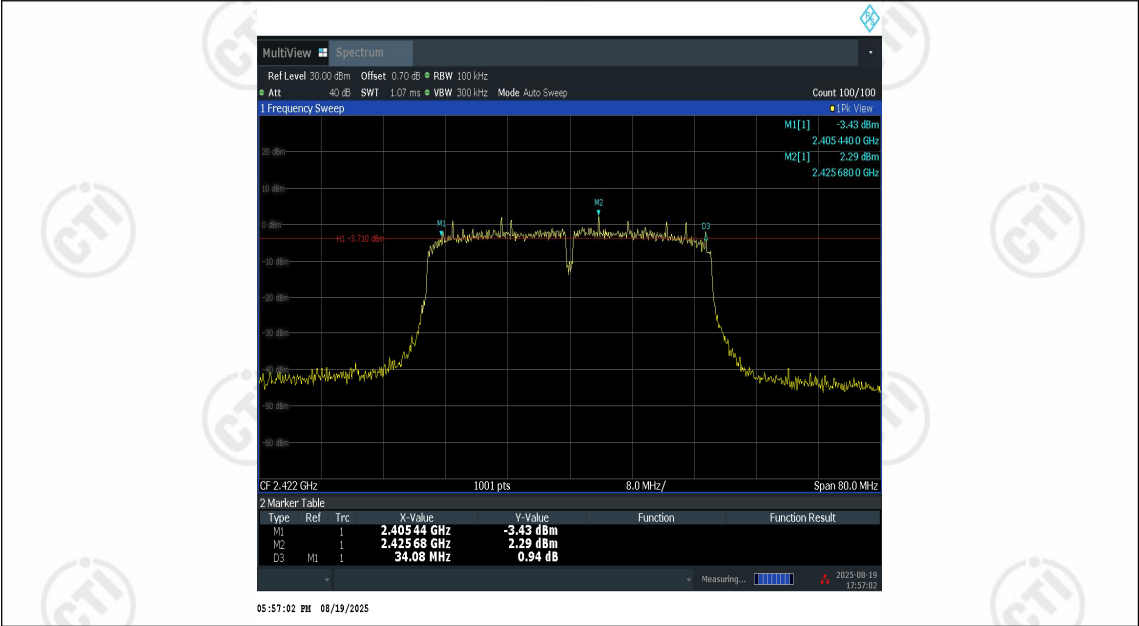
11N20SISO-Ant1-2412-PASS



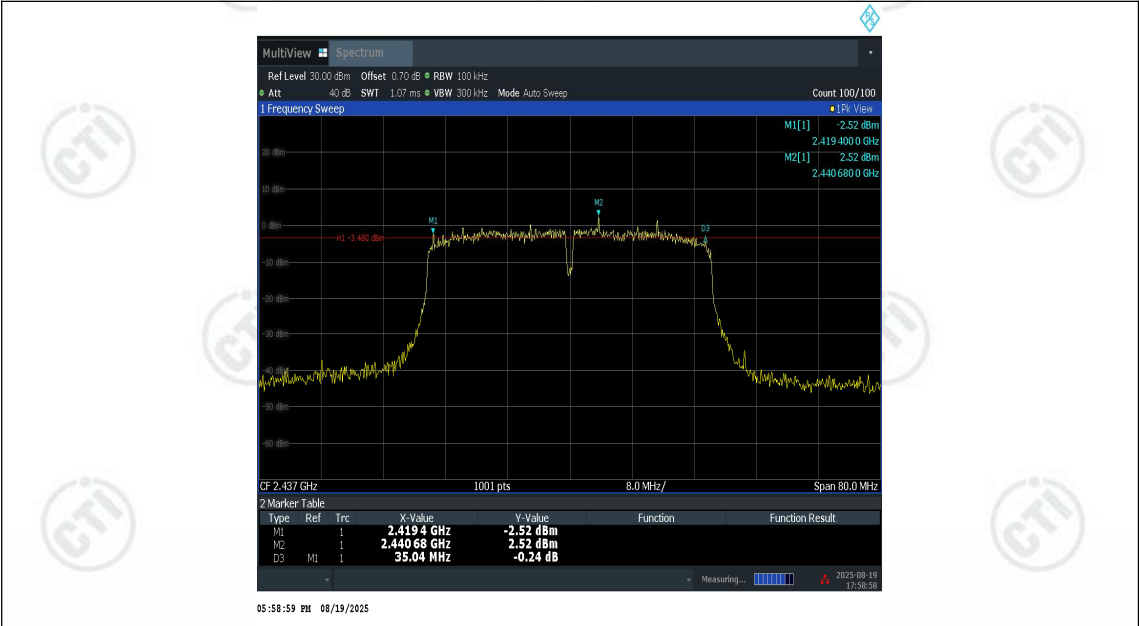
11N20SISO-Ant1-2437-PASS



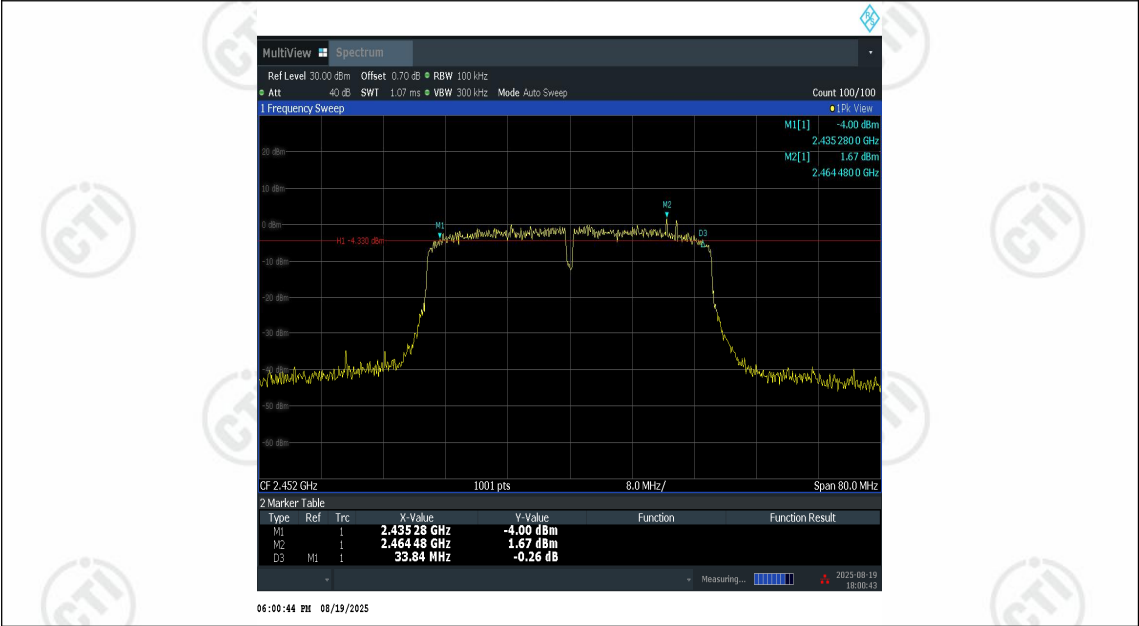
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

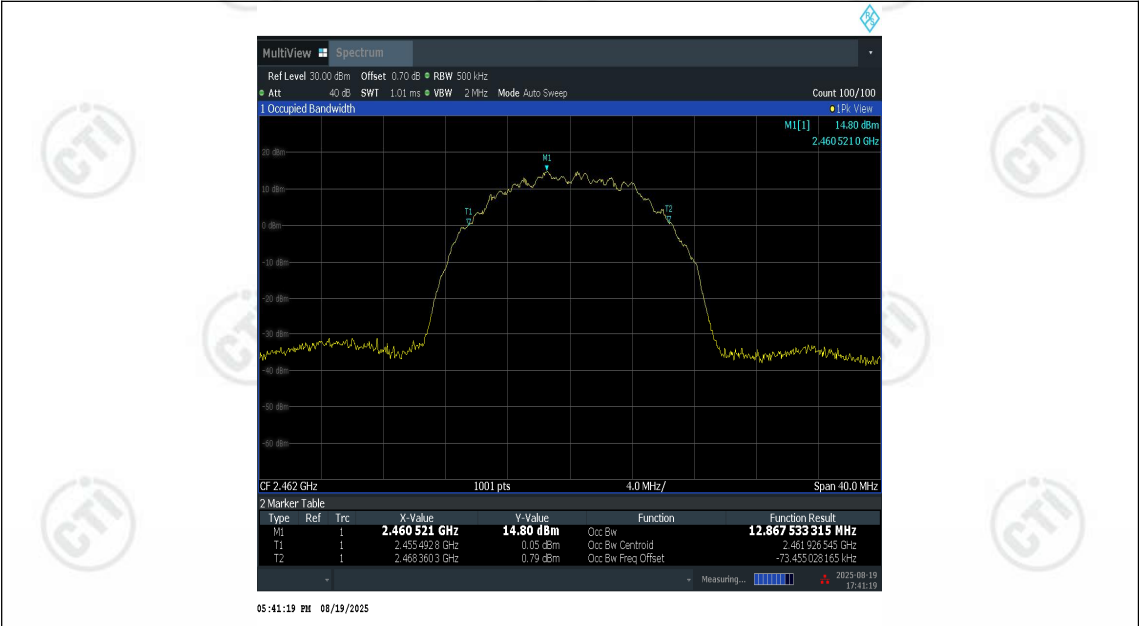
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[M Hz]	Verdict
11B	Ant1	2412	12.853	2405.5005	2418.3538	---	---
11B	Ant1	2437	12.868	2430.5004	2443.3679	---	---
11B	Ant1	2462	12.868	2455.4928	2468.3603	---	---
11G	Ant1	2412	16.814	2403.5780	2420.3917	---	---
11G	Ant1	2437	16.800	2428.5986	2445.3988	---	---
11G	Ant1	2462	16.834	2453.5542	2470.3881	---	---
11N20SISO	Ant1	2412	17.478	2403.2233	2420.7013	---	---
11N20SISO	Ant1	2437	17.490	2428.2110	2445.7009	---	---
11N20SISO	Ant1	2462	17.492	2453.1976	2470.6899	---	---
11N40SISO	Ant1	2422	35.759	2404.0934	2439.8520	---	---
11N40SISO	Ant1	2437	35.772	2419.1167	2454.8888	---	---
11N40SISO	Ant1	2452	35.749	2434.1294	2469.8783	---	---

Test Graphs





11B-Ant1-2462



11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462



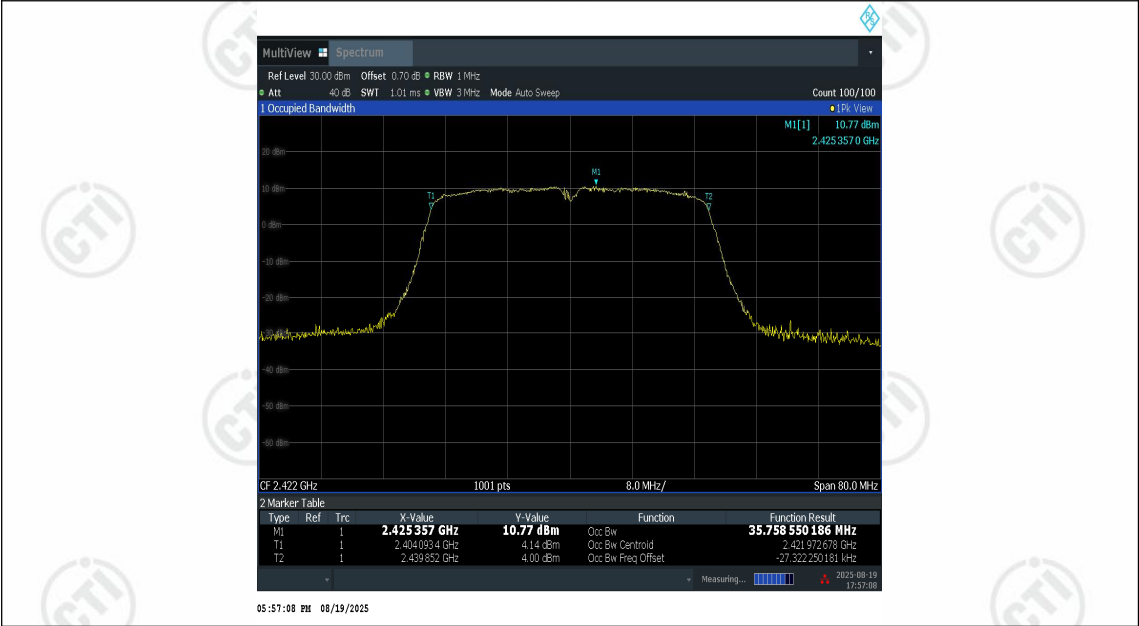
11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40ISO-Ant1-2437



11N40ISO-Ant1-2452

Appendix C: Maximum conducted output power

Test Result Peak

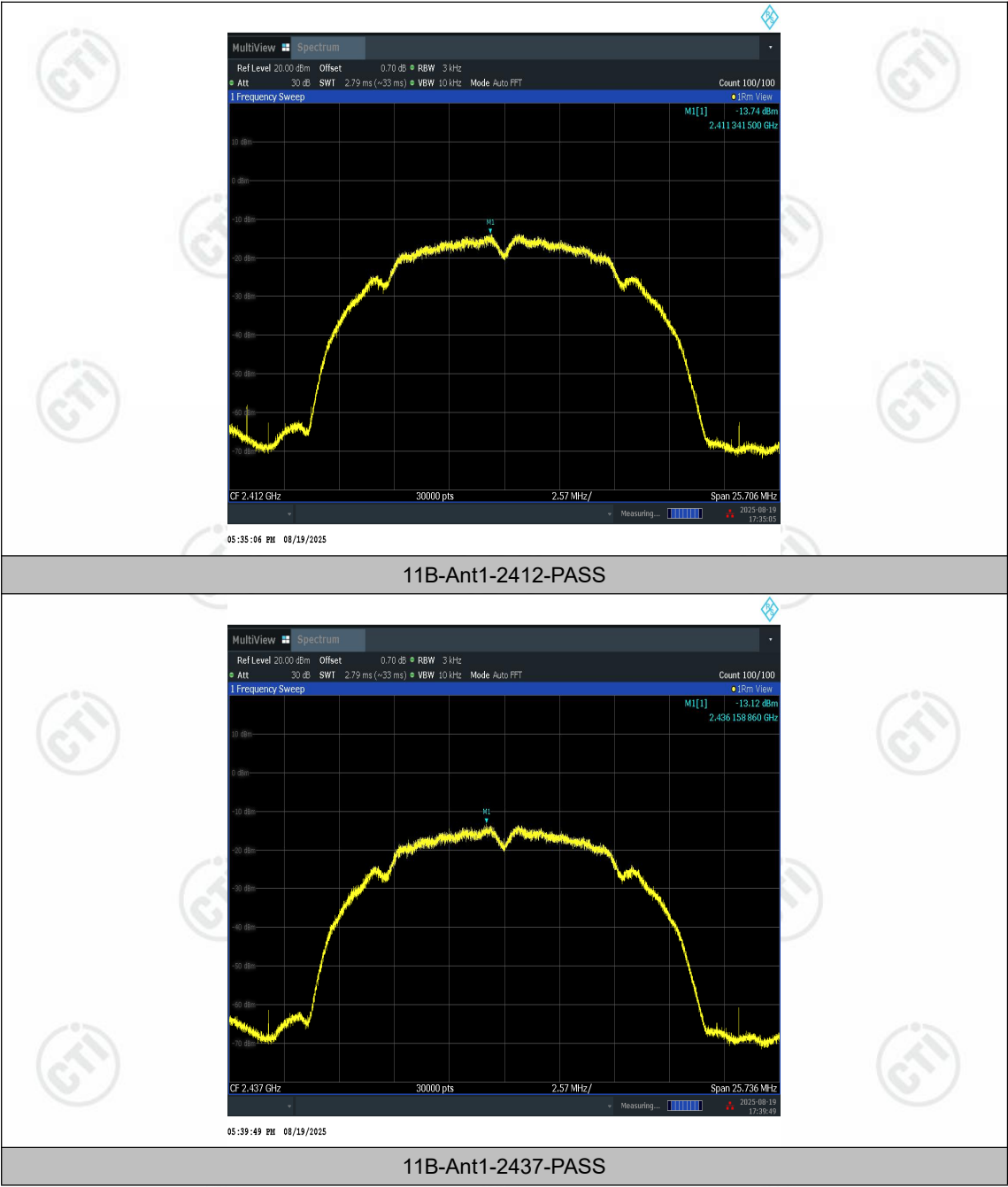
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	18.01	≤30.00	PASS
11B	Ant1	2437	---	18.27	≤30.00	PASS
11B	Ant1	2462	---	18.38	≤30.00	PASS
11G	Ant1	2412	---	17.28	≤30.00	PASS
11G	Ant1	2437	---	17.57	≤30.00	PASS
11G	Ant1	2462	---	17.65	≤30.00	PASS
11N20SISO	Ant1	2412	---	16.23	≤30.00	PASS
11N20SISO	Ant1	2437	---	16.45	≤30.00	PASS
11N20SISO	Ant1	2462	---	16.63	≤30.00	PASS
11N40SISO	Ant1	2422	---	16.19	≤30.00	PASS
11N40SISO	Ant1	2437	---	16.31	≤30.00	PASS
11N40SISO	Ant1	2452	---	16.54	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

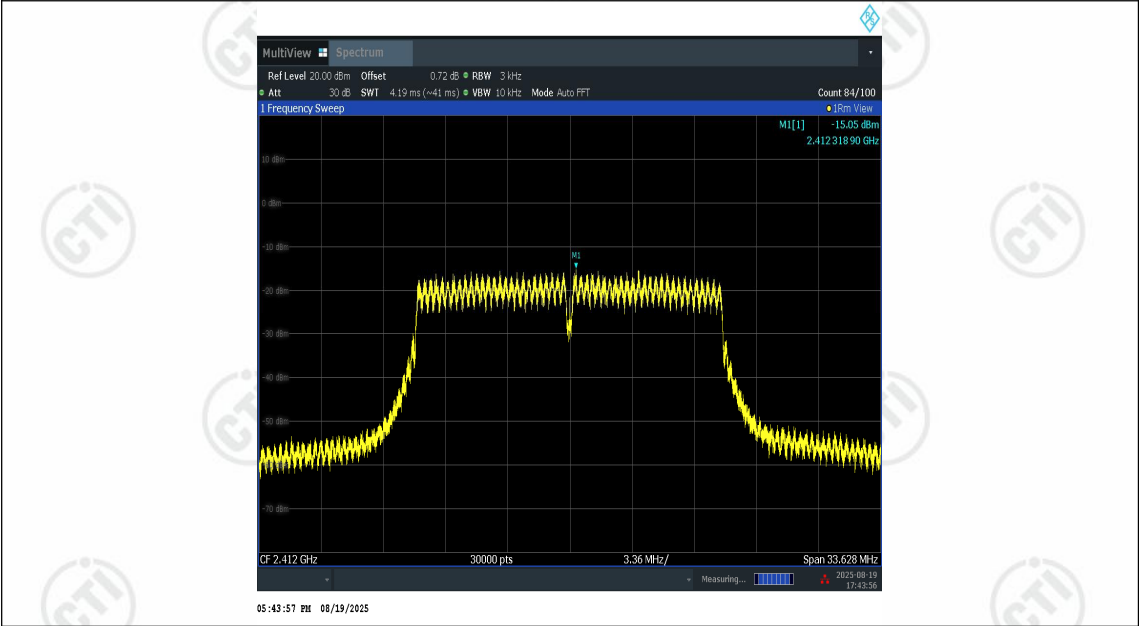
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.74	≤8.00	PASS
11B	Ant1	2437	-13.12	≤8.00	PASS
11B	Ant1	2462	-13.25	≤8.00	PASS
11G	Ant1	2412	-15.05	≤8.00	PASS
11G	Ant1	2437	-14.66	≤8.00	PASS
11G	Ant1	2462	-14.90	≤8.00	PASS
11N20SISO	Ant1	2412	-16.08	≤8.00	PASS
11N20SISO	Ant1	2437	-16.30	≤8.00	PASS
11N20SISO	Ant1	2462	-16.09	≤8.00	PASS
11N40SISO	Ant1	2422	-17.89	≤8.00	PASS
11N40SISO	Ant1	2437	-18.31	≤8.00	PASS
11N40SISO	Ant1	2452	-17.81	≤8.00	PASS

Test Graphs

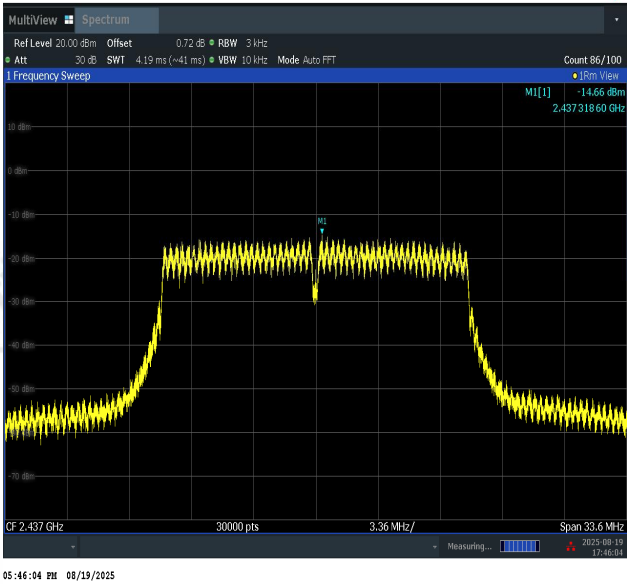




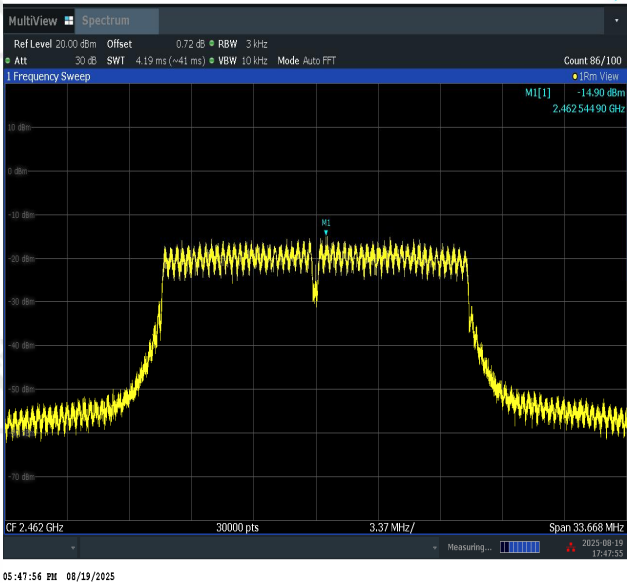
11B-Ant1-2462-PASS



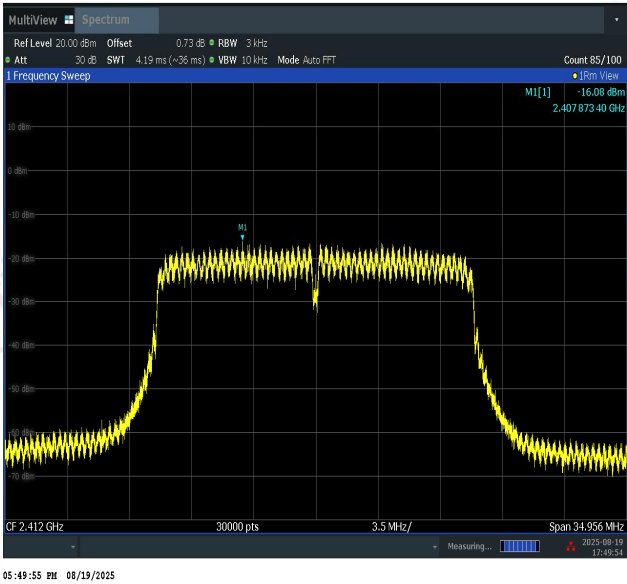
11G-Ant1-2412-PASS



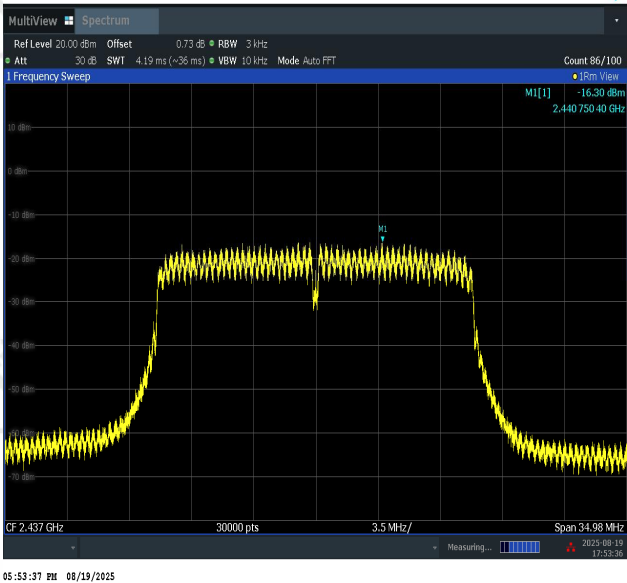
11G-Ant1-2437-PASS



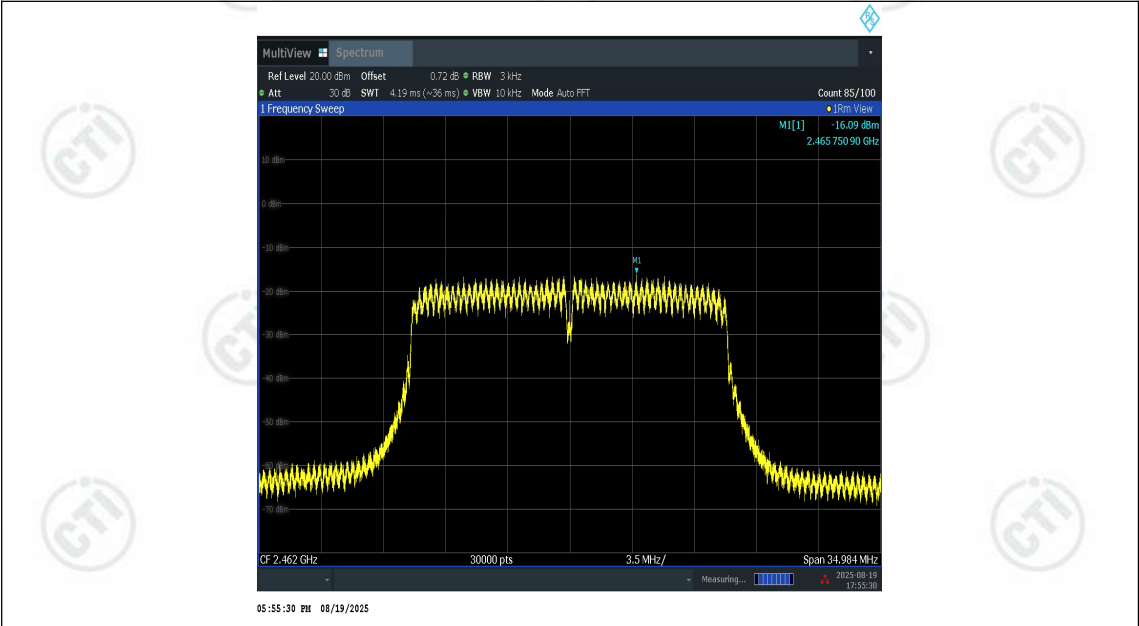
11G-Ant1-2462-PASS



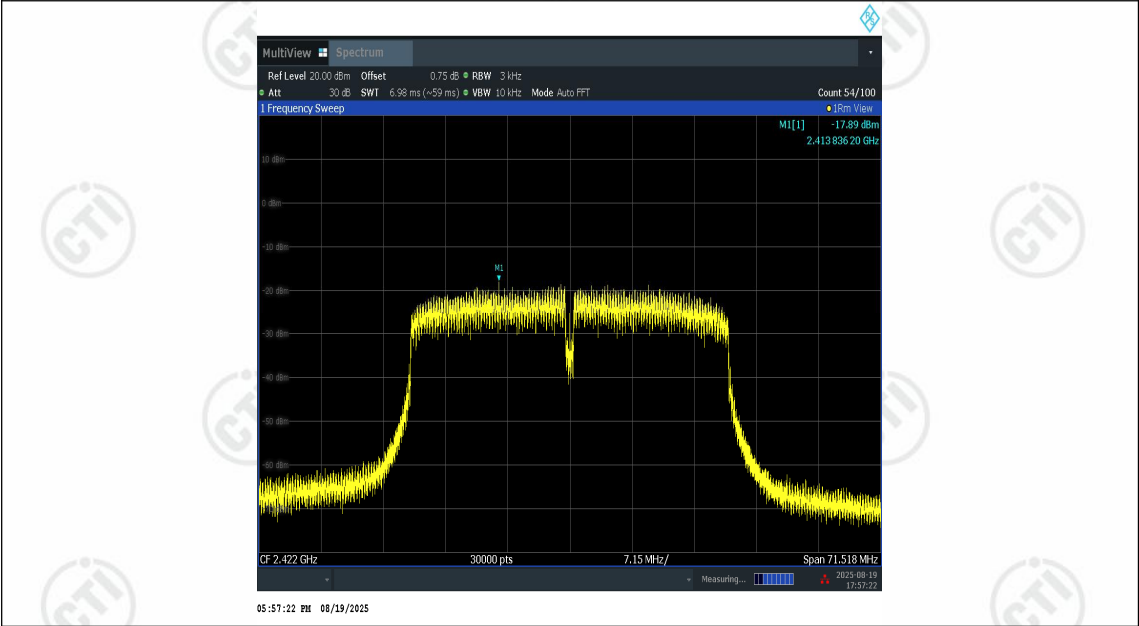
11N20SISO-Ant1-2412-PASS



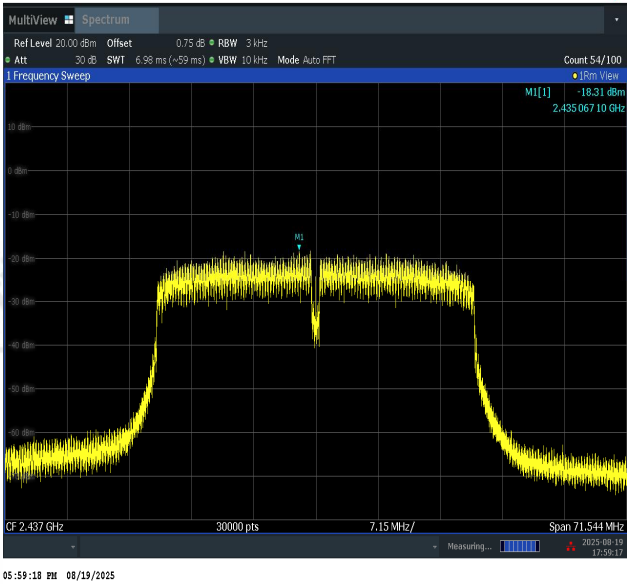
11N20SISO-Ant1-2437-PASS



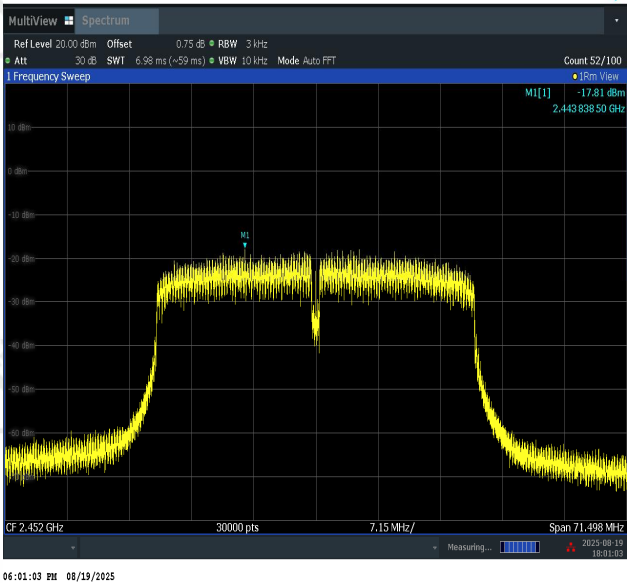
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Appendix F: Band edge measurements

Test Result

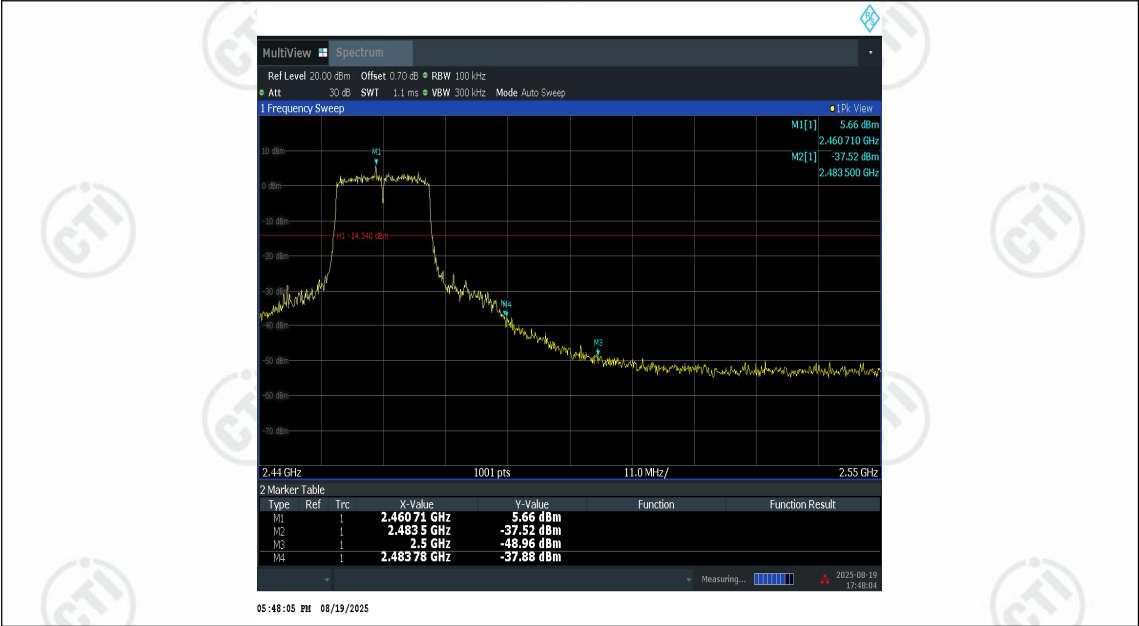
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	8.76	-38.37	≤-11.24	PASS
11B	Ant1	High	2462	9.66	-44.63	≤-10.34	PASS
11G	Ant1	Low	2412	5.95	-30.19	≤-14.05	PASS
11G	Ant1	High	2462	5.66	-37.88	≤-14.34	PASS
11N20SISO	Ant1	Low	2412	3.97	-37.3	≤-16.03	PASS
11N20SISO	Ant1	High	2462	4.01	-41.79	≤-15.99	PASS
11N40SISO	Ant1	Low	2422	2.31	-37.29	≤-17.69	PASS
11N40SISO	Ant1	High	2452	2.35	-42.73	≤-17.65	PASS

Test Graphs

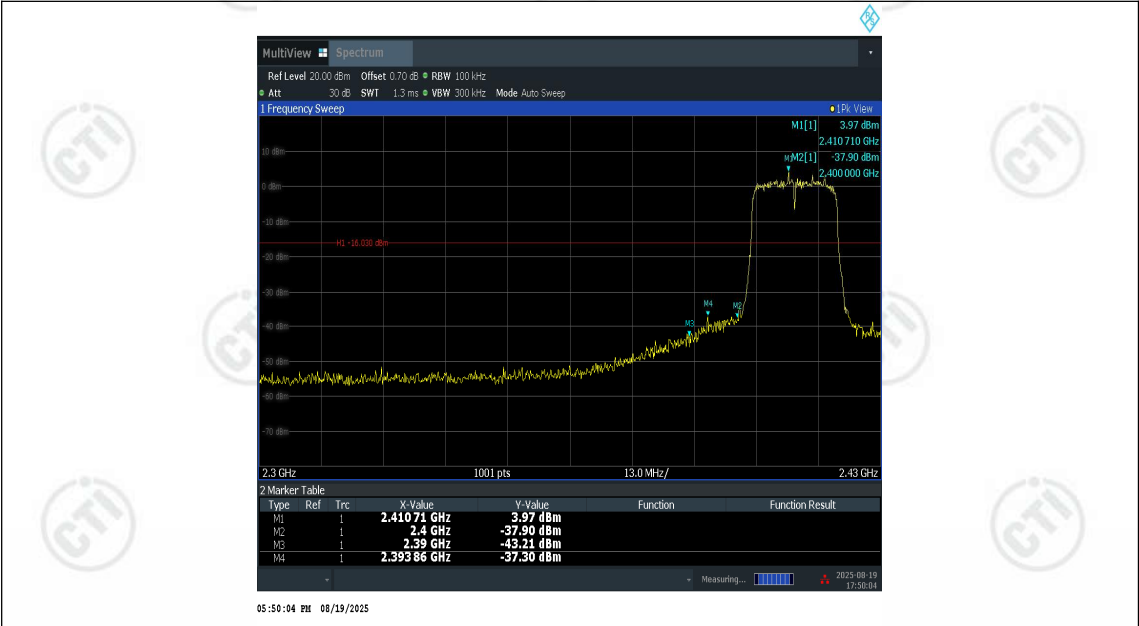




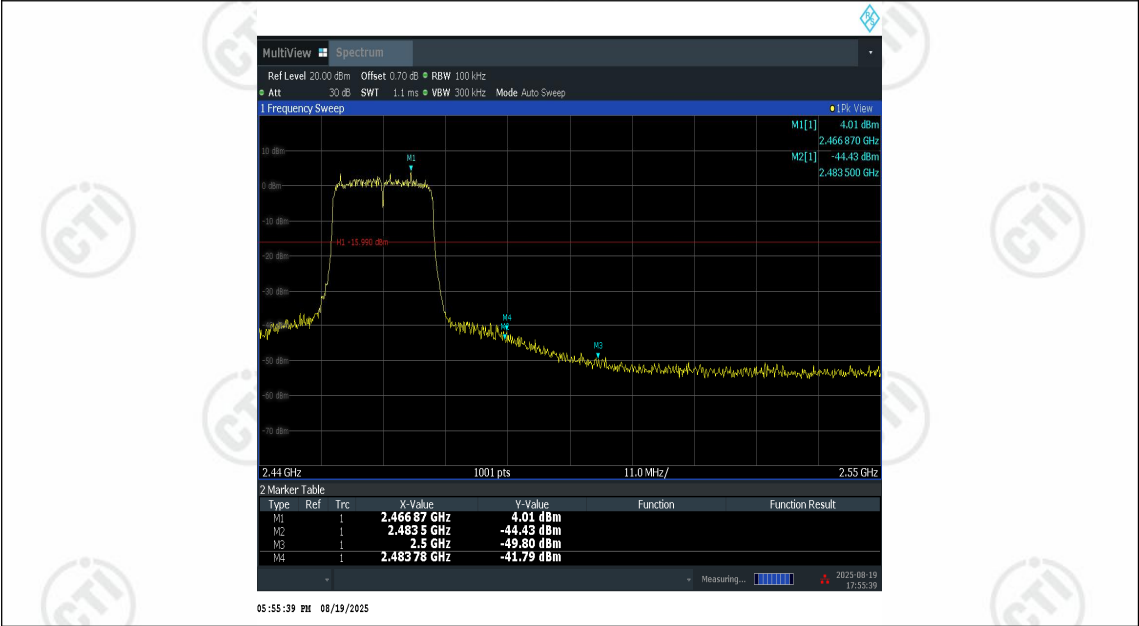
11G-Ant1-2412-PASS



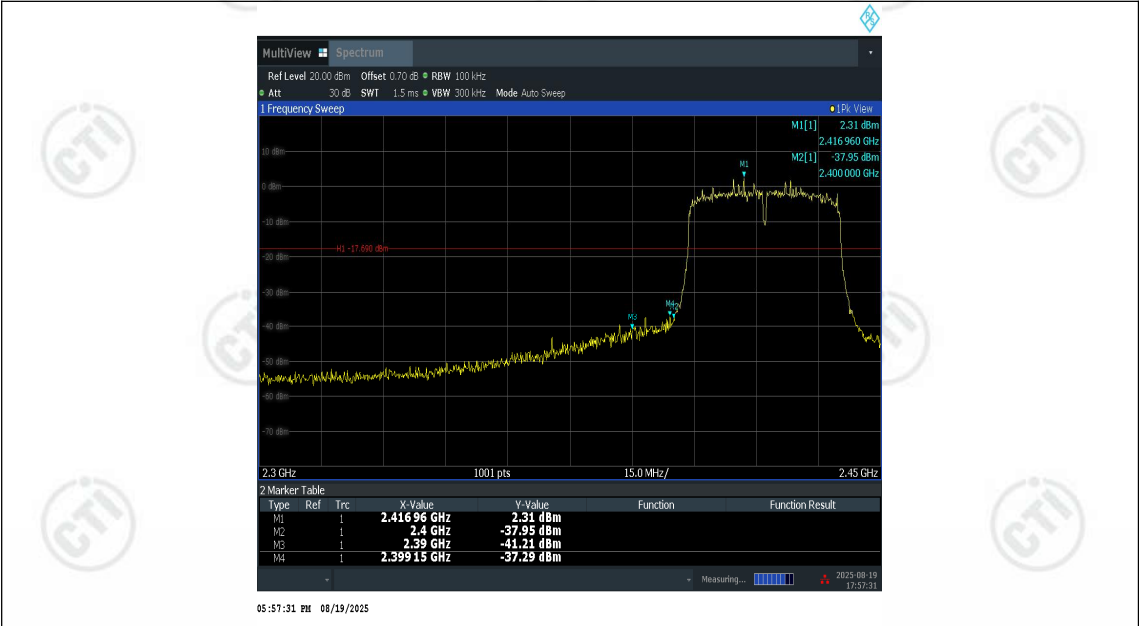
11G-Ant1-2462-PASS



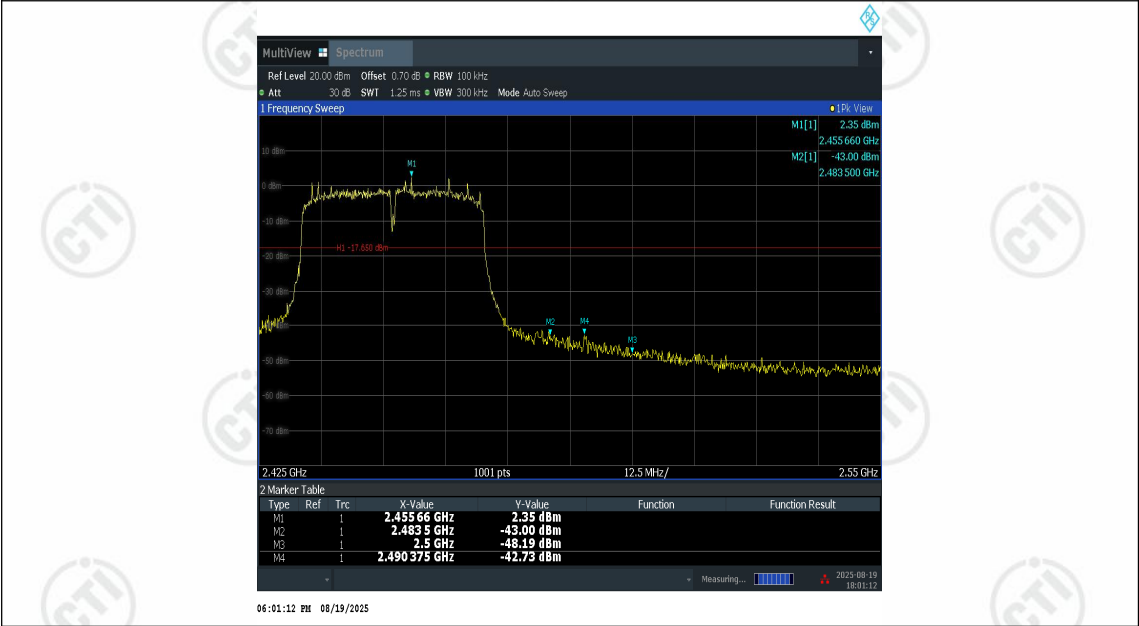
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



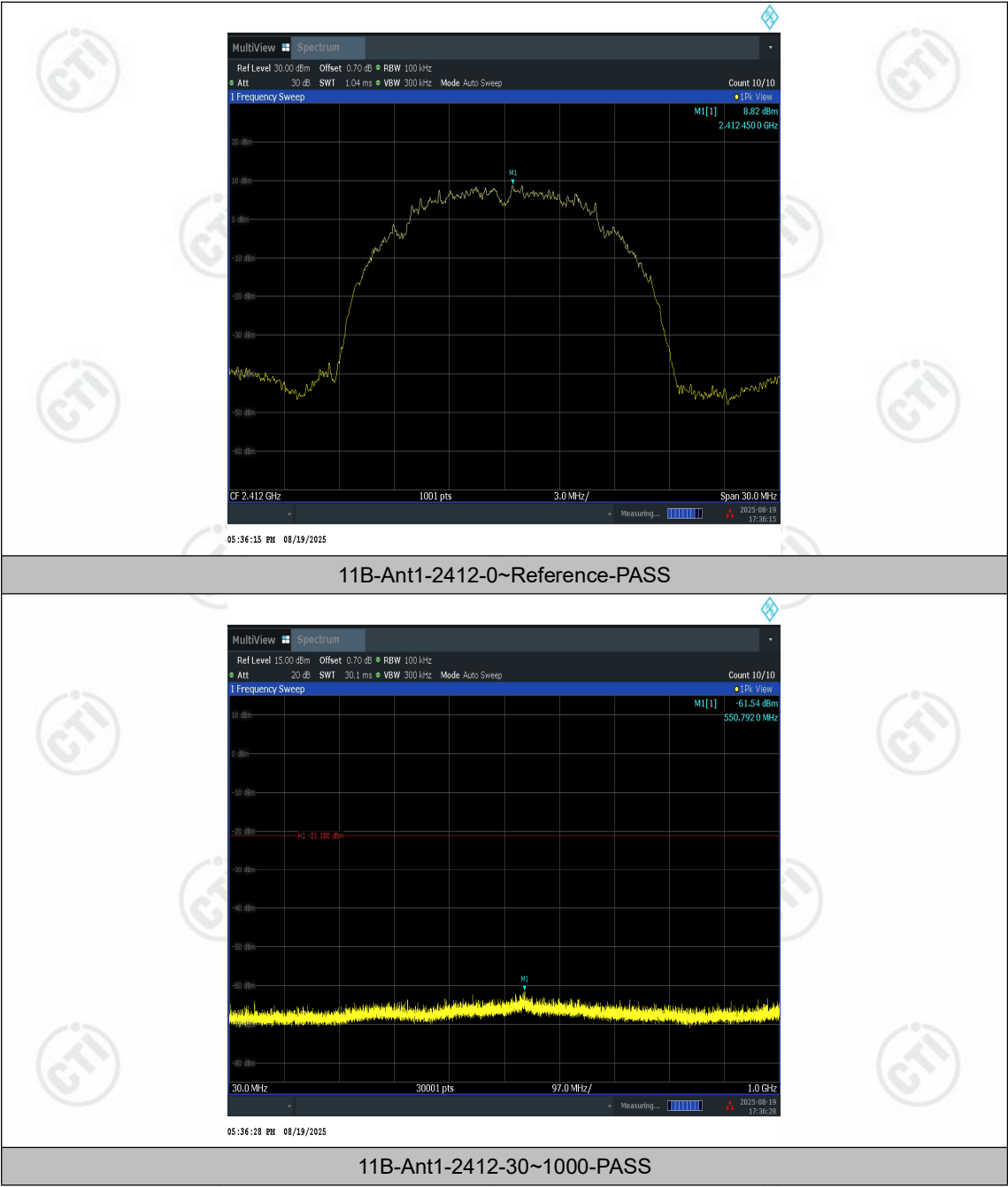
11N40SISO-Ant1-2452-PASS

Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	8.82	8.82	---	PASS
11B	Ant1	2412	30~1000	8.82	-61.54	≤-21.18	PASS
11B	Ant1	2412	1000~26500	8.82	-42.29	≤-21.18	PASS
11B	Ant1	2437	0~Reference	9.68	9.68	---	PASS
11B	Ant1	2437	30~1000	9.68	-61.77	≤-20.32	PASS
11B	Ant1	2437	1000~26500	9.68	-43.04	≤-20.32	PASS
11B	Ant1	2462	0~Reference	9.47	9.47	---	PASS
11B	Ant1	2462	30~1000	9.47	-61.57	≤-20.53	PASS
11B	Ant1	2462	1000~26500	9.47	-44.14	≤-20.53	PASS
11G	Ant1	2412	0~Reference	5.35	5.35	---	PASS
11G	Ant1	2412	30~1000	5.35	-62.44	≤-24.65	PASS
11G	Ant1	2412	1000~26500	5.35	-48.62	≤-24.65	PASS
11G	Ant1	2437	0~Reference	5.92	5.92	---	PASS
11G	Ant1	2437	30~1000	5.92	-62.49	≤-24.08	PASS
11G	Ant1	2437	1000~26500	5.92	-49.37	≤-24.08	PASS
11G	Ant1	2462	0~Reference	6.33	6.33	---	PASS
11G	Ant1	2462	30~1000	6.33	-61.84	≤-23.67	PASS
11G	Ant1	2462	1000~26500	6.33	-49.43	≤-23.67	PASS
11N20SISO	Ant1	2412	0~Reference	3.93	3.93	---	PASS
11N20SISO	Ant1	2412	30~1000	3.93	-62.46	≤-26.07	PASS
11N20SISO	Ant1	2412	1000~26500	3.93	-48.38	≤-26.07	PASS
11N20SISO	Ant1	2437	0~Reference	5.42	5.42	---	PASS
11N20SISO	Ant1	2437	30~1000	5.42	-62.52	≤-24.58	PASS
11N20SISO	Ant1	2437	1000~26500	5.42	-49.21	≤-24.58	PASS
11N20SISO	Ant1	2462	0~Reference	5.42	5.42	---	PASS
11N20SISO	Ant1	2462	30~1000	5.42	-62.56	≤-24.58	PASS
11N20SISO	Ant1	2462	1000~26500	5.42	-48.66	≤-24.58	PASS
11N40SISO	Ant1	2422	0~Reference	1.86	1.86	---	PASS
11N40SISO	Ant1	2422	30~1000	1.86	-56.23	≤-28.14	PASS
11N40SISO	Ant1	2422	1000~26500	1.86	-49.88	≤-28.14	PASS
11N40SISO	Ant1	2437	0~Reference	2.20	2.20	---	PASS
11N40SISO	Ant1	2437	30~1000	2.20	-53.45	≤-27.8	PASS
11N40SISO	Ant1	2437	1000~26500	2.20	-49.18	≤-27.8	PASS
11N40SISO	Ant1	2452	0~Reference	2.68	2.68	---	PASS
11N40SISO	Ant1	2452	30~1000	2.68	-53.22	≤-27.32	PASS
11N40SISO	Ant1	2452	1000~26500	2.68	-48.95	≤-27.32	PASS

Test Graphs

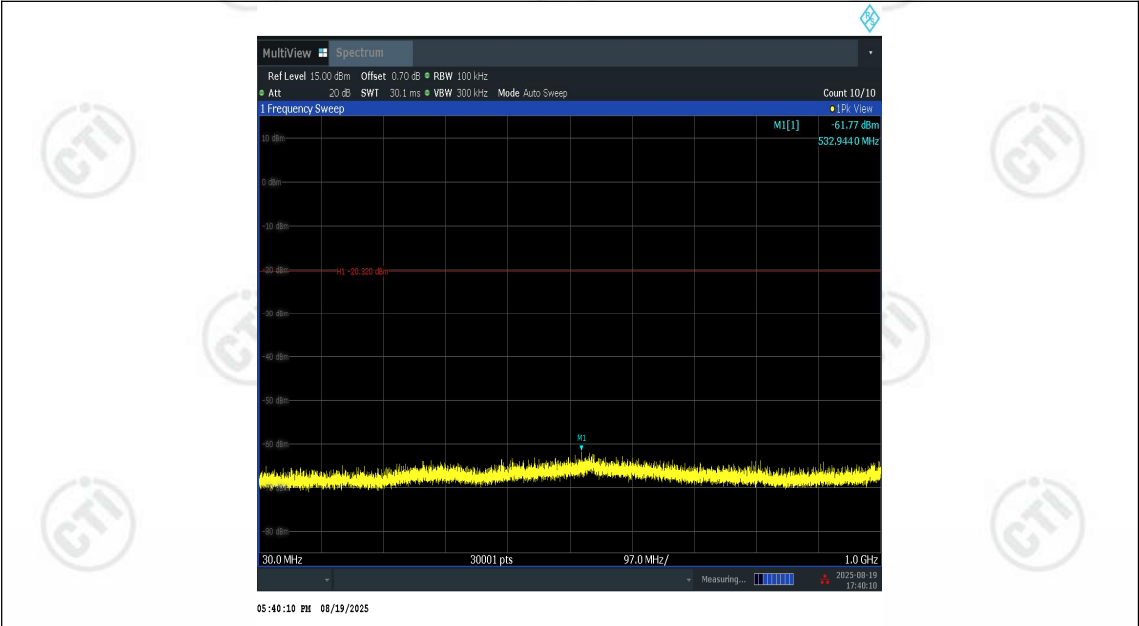




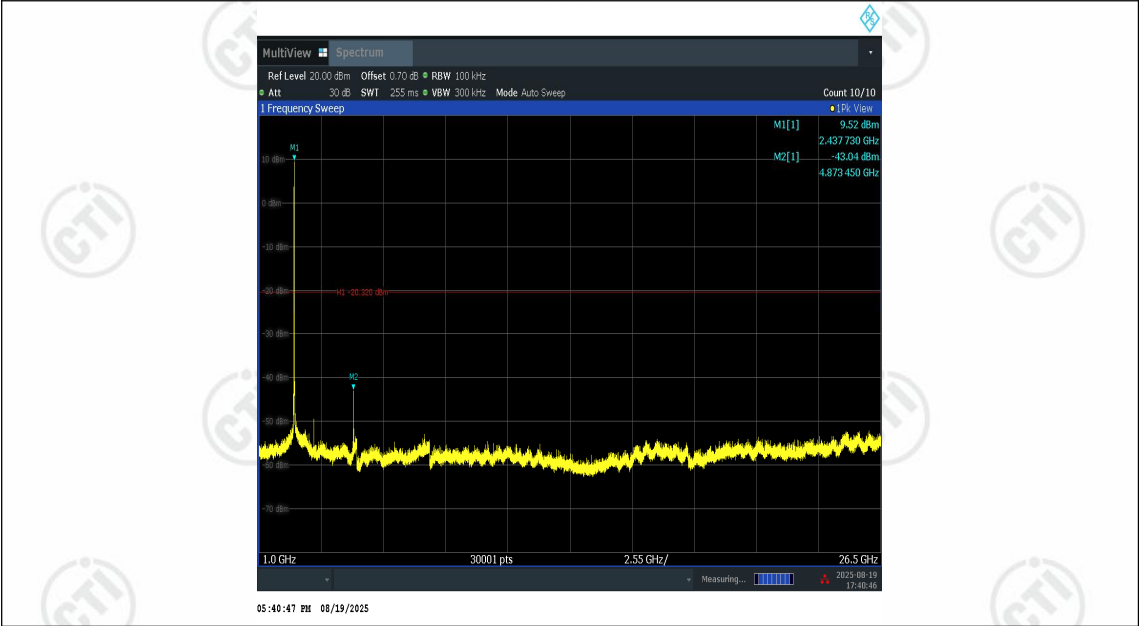
11B-Ant1-2412-1000~26500-PASS



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



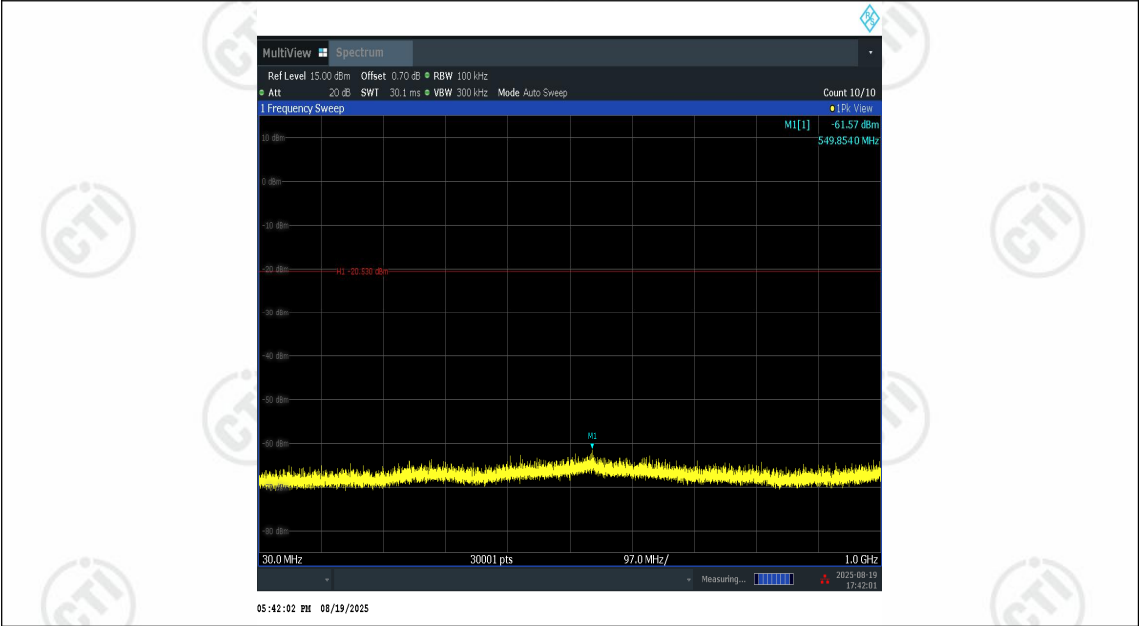
11B-Ant1-2437-30~1000-PASS



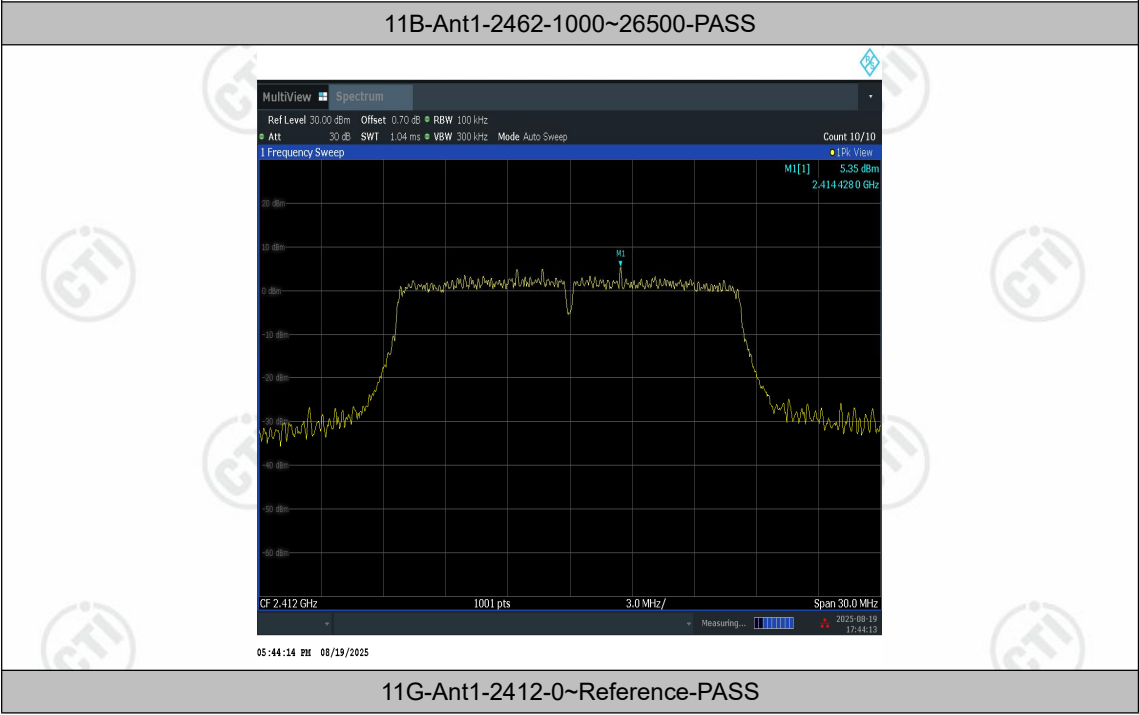
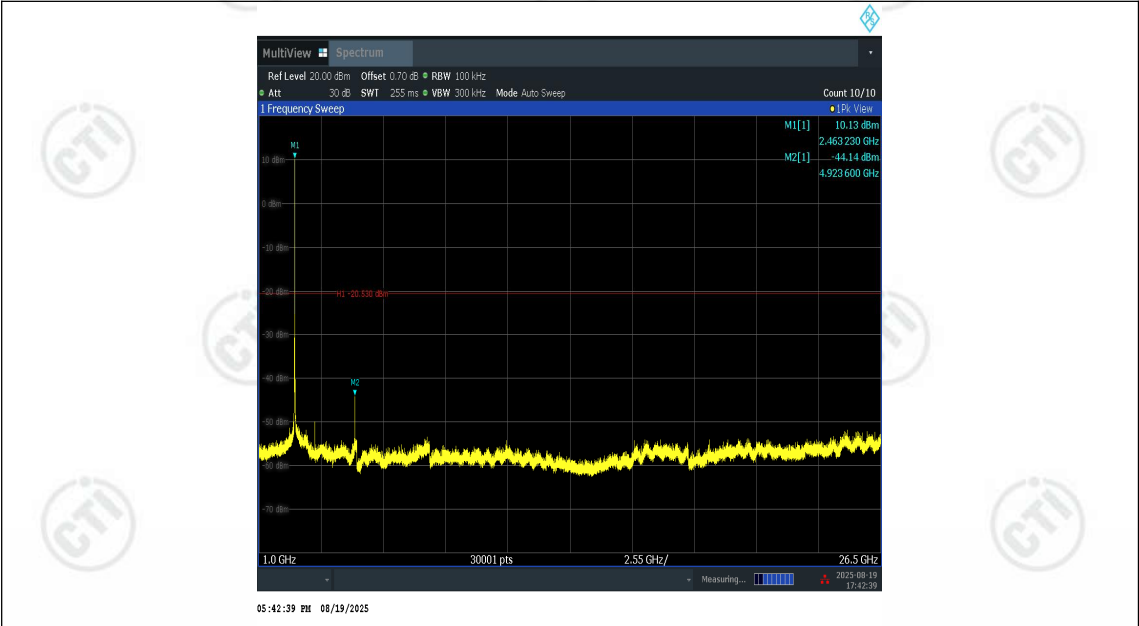
11B-Ant1-2437-1000~26500-PASS

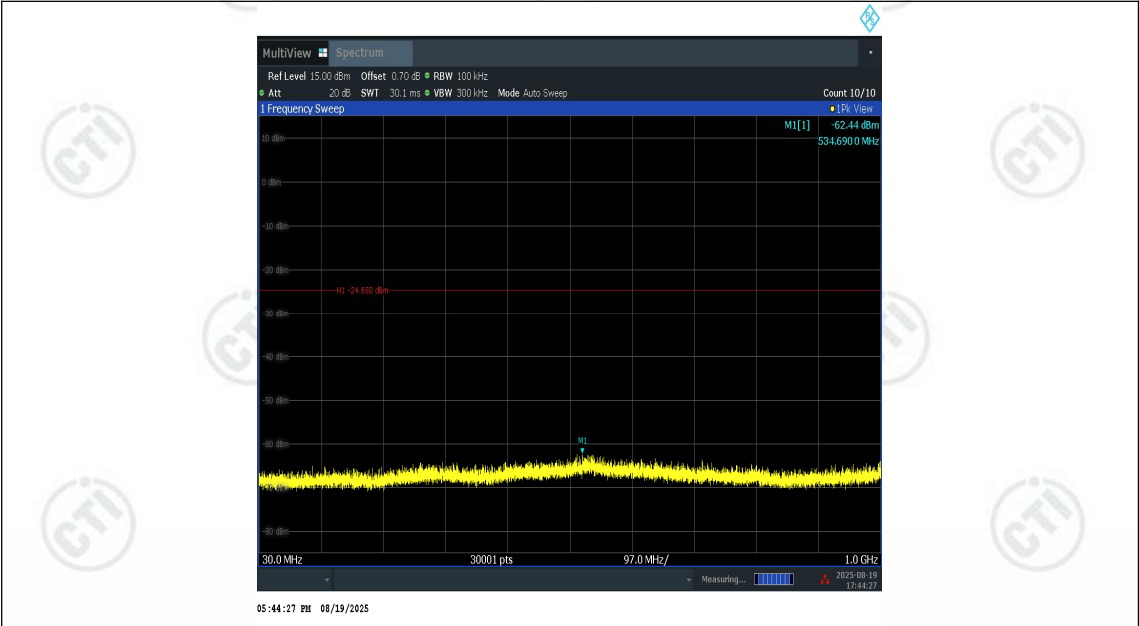


11B-Ant1-2462-0~Reference-PASS

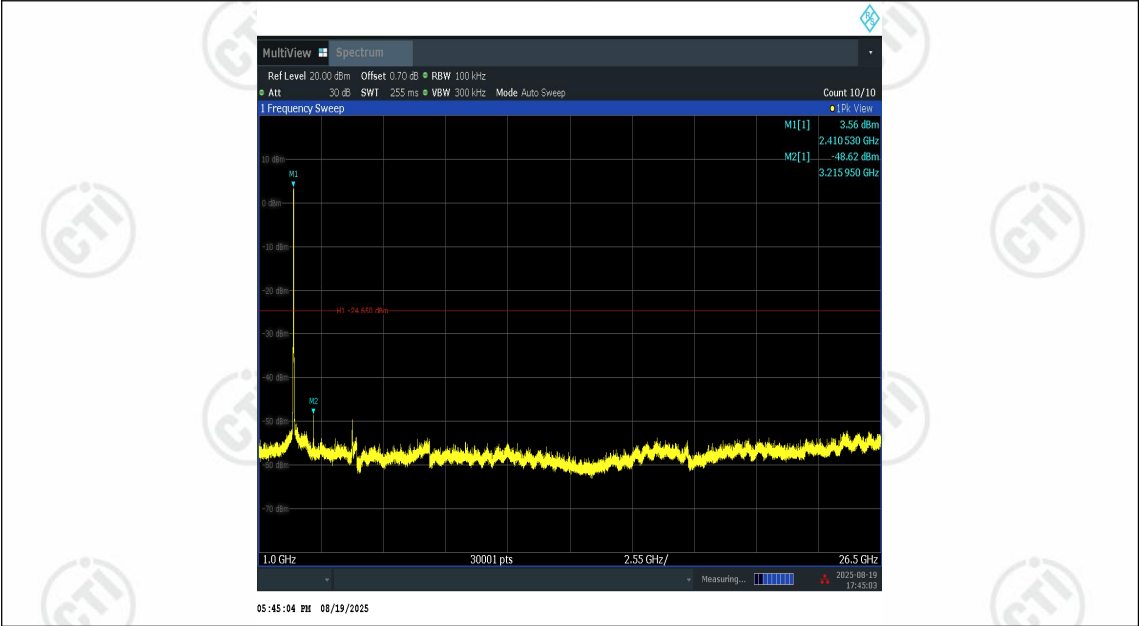


11B-Ant1-2462-30~1000-PASS

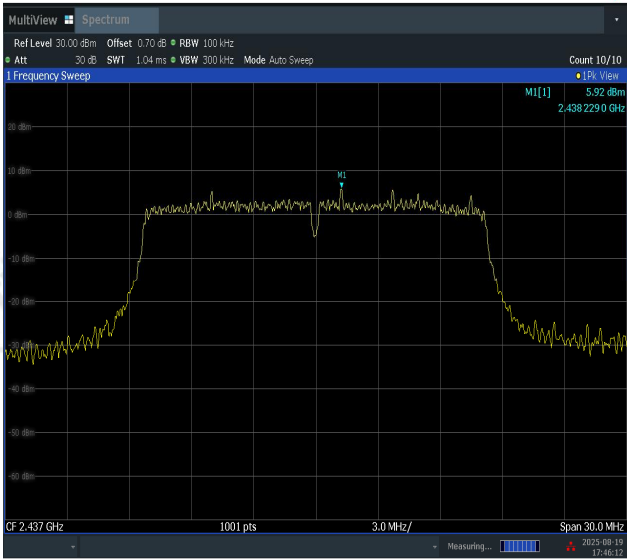




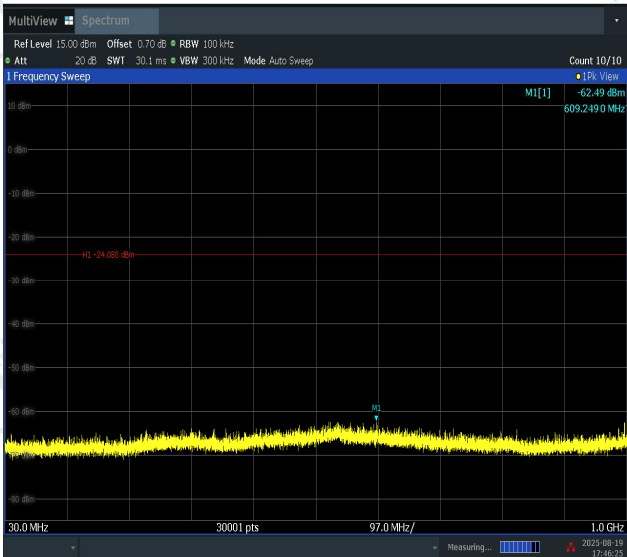
11G-Ant1-2412-30~1000-PASS



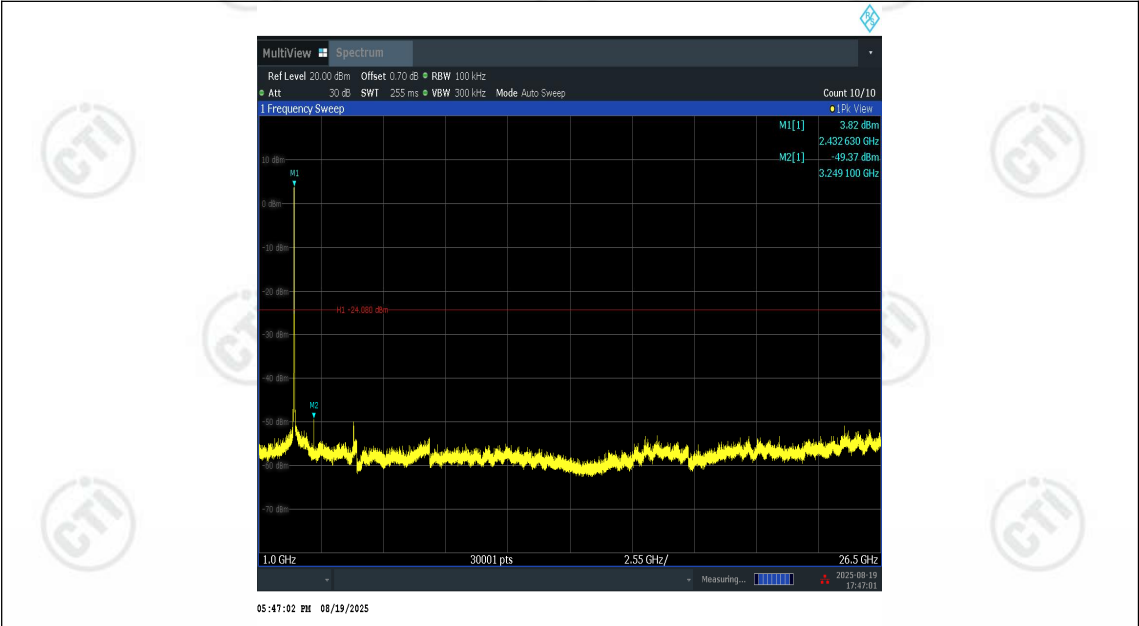
11G-Ant1-2412-1000~26500-PASS



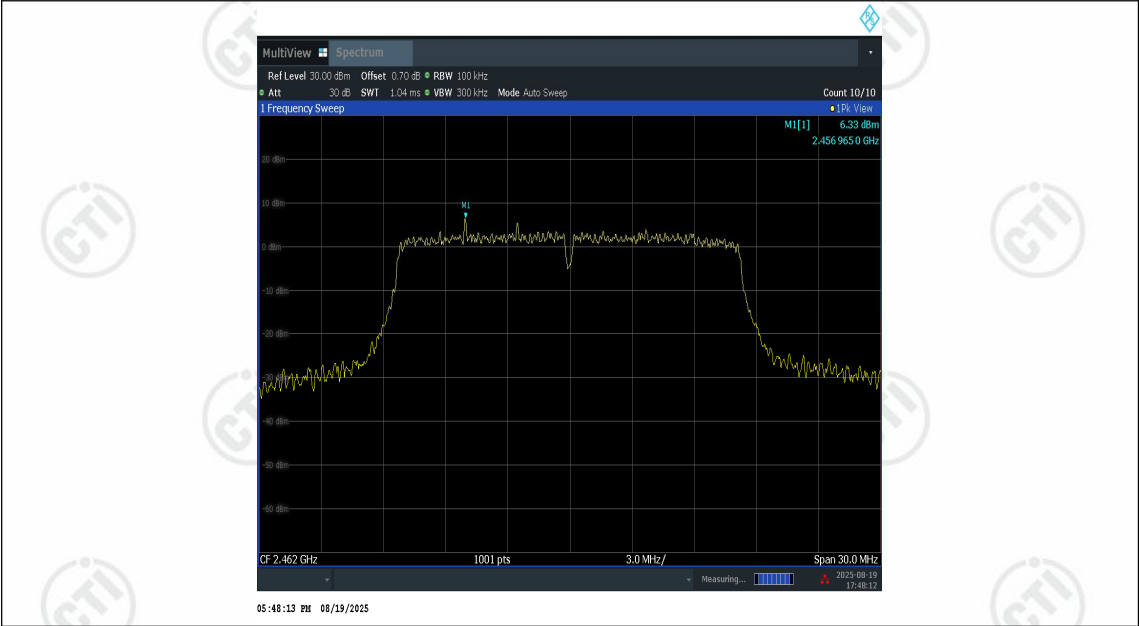
11G-Ant1-2437-0~Reference-PASS



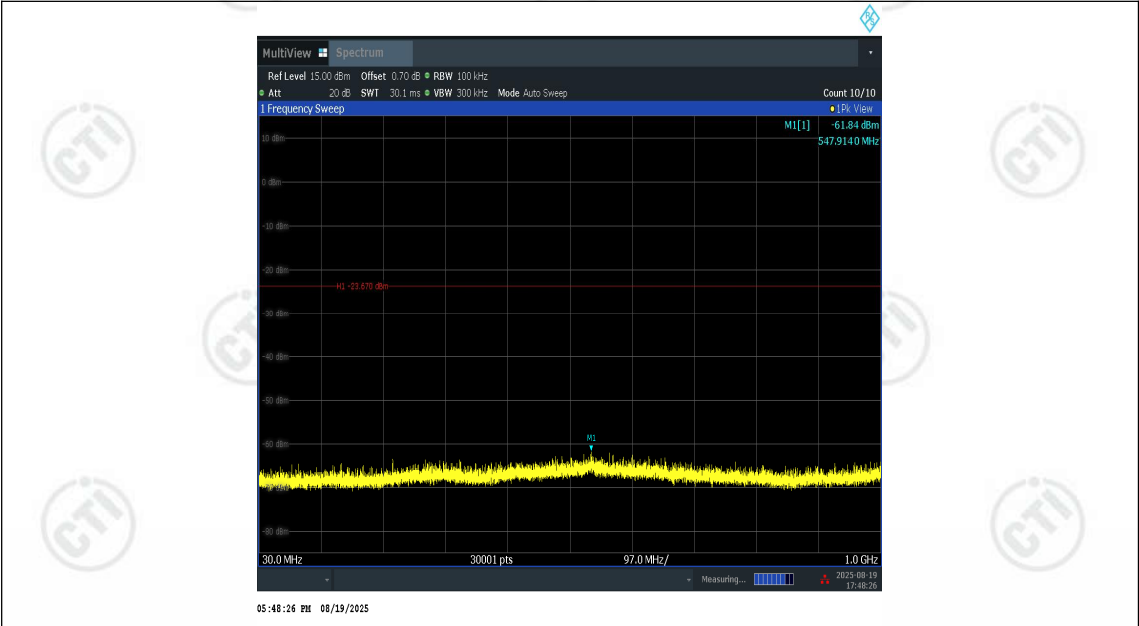
11G-Ant1-2437-30~1000-PASS



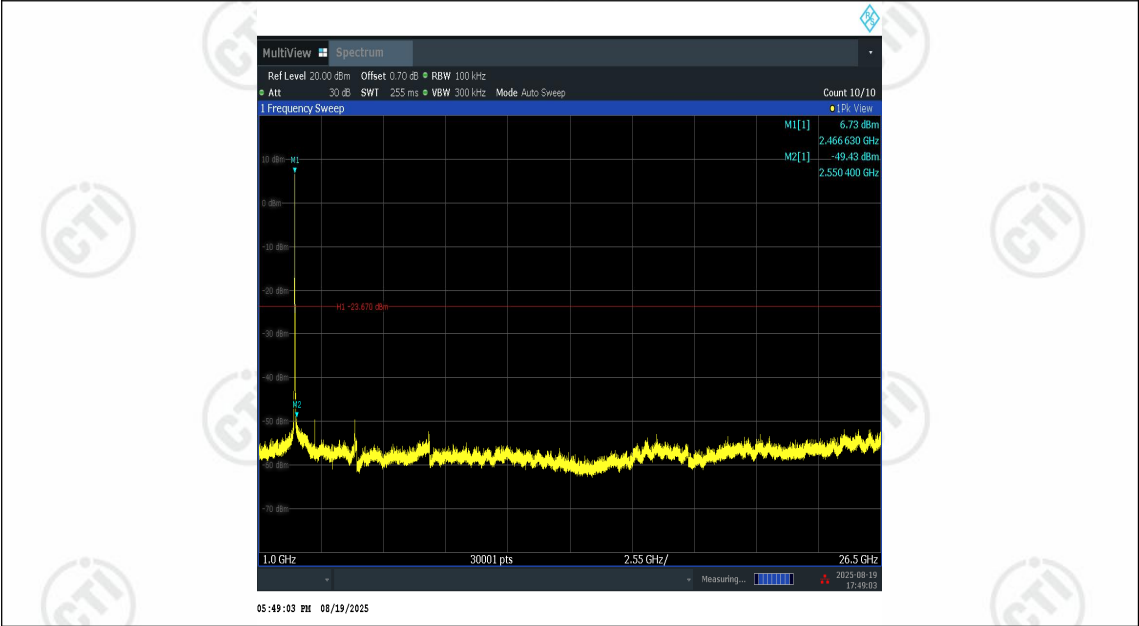
11G-Ant1-2437-1000~26500-PASS



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



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



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