

Appendix: 2.4G Wi-Fi

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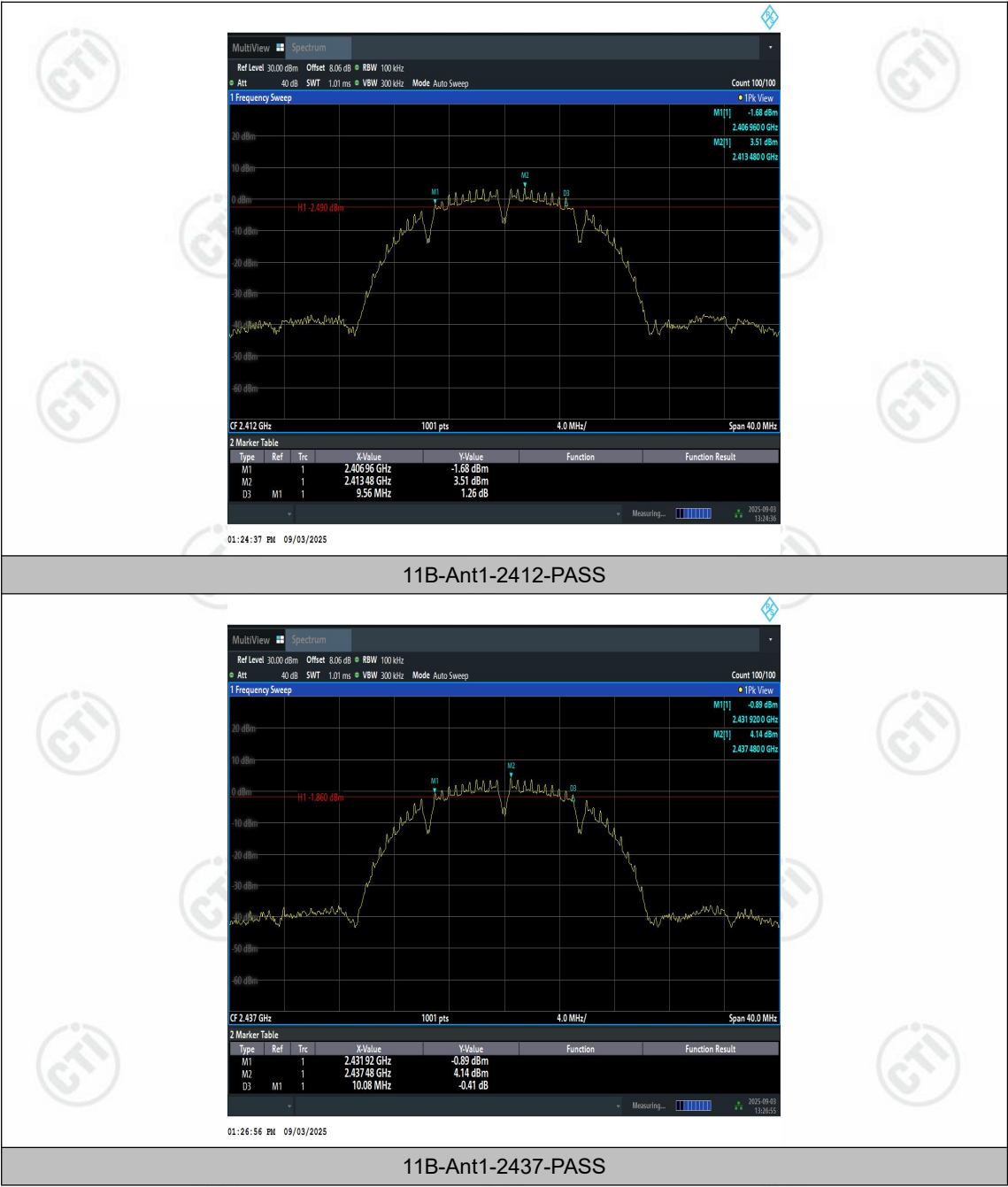
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.56	2406.96	2416.52	0.5	PASS
11B	Ant1	2437	10.08	2431.92	2442.00	0.5	PASS
11B	Ant1	2462	10.08	2456.92	2467.00	0.5	PASS
11G	Ant1	2412	16.56	2403.68	2420.24	0.5	PASS
11G	Ant1	2437	16.56	2428.68	2445.24	0.5	PASS
11G	Ant1	2462	16.56	2453.68	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.16	2420.80	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.16	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.72	2453.08	2470.80	0.5	PASS
11N40SISO	Ant1	2422	36.48	2403.76	2440.24	0.5	PASS
11N40SISO	Ant1	2437	36.48	2418.76	2455.24	0.5	PASS
11N40SISO	Ant1	2452	36.48	2433.76	2470.24	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



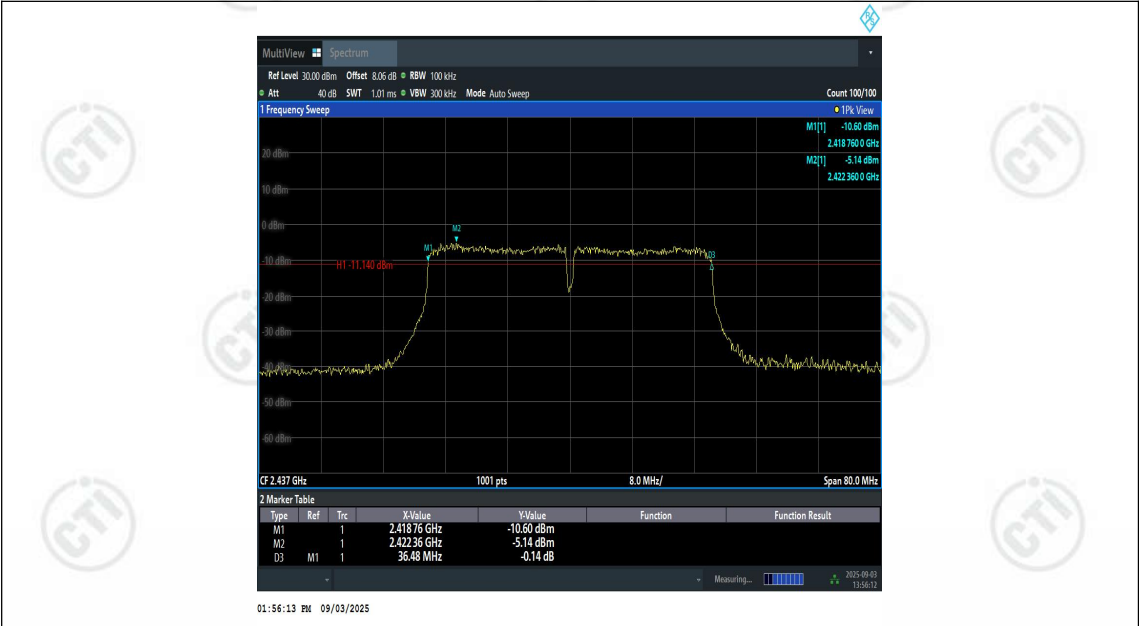
11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



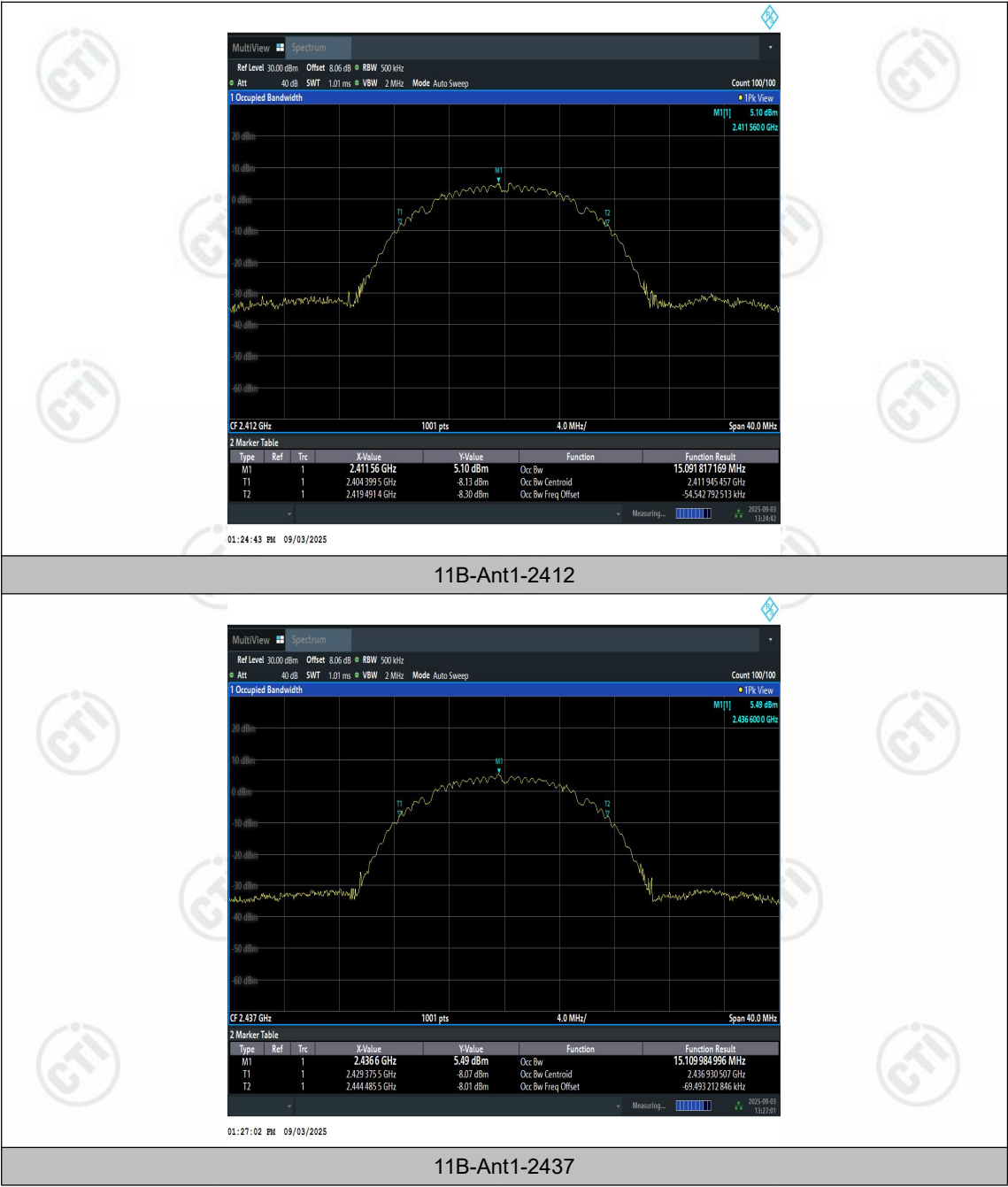
11N40SISO-Ant1-2452-PASS

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	15.092	2404.3995	2419.4914	---	---
11B	Ant1	2437	15.110	2429.3755	2444.4855	---	---
11B	Ant1	2462	15.115	2454.3772	2469.4918	---	---
11G	Ant1	2412	17.291	2403.2156	2420.5064	---	---
11G	Ant1	2437	17.308	2428.1823	2445.4907	---	---
11G	Ant1	2462	17.301	2453.1904	2470.4916	---	---
11N20SISO	Ant1	2412	18.206	2402.8324	2421.0383	---	---
11N20SISO	Ant1	2437	18.217	2427.8038	2446.0209	---	---
11N20SISO	Ant1	2462	18.208	2452.8083	2471.0158	---	---
11N40SISO	Ant1	2422	36.962	2403.4565	2440.4180	---	---
11N40SISO	Ant1	2437	36.982	2418.4048	2455.3867	---	---
11N40SISO	Ant1	2452	36.987	2433.4073	2470.3943	---	---

Test Graphs





11B-Ant1-2462



11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462



11N20SISO-Ant1-2412



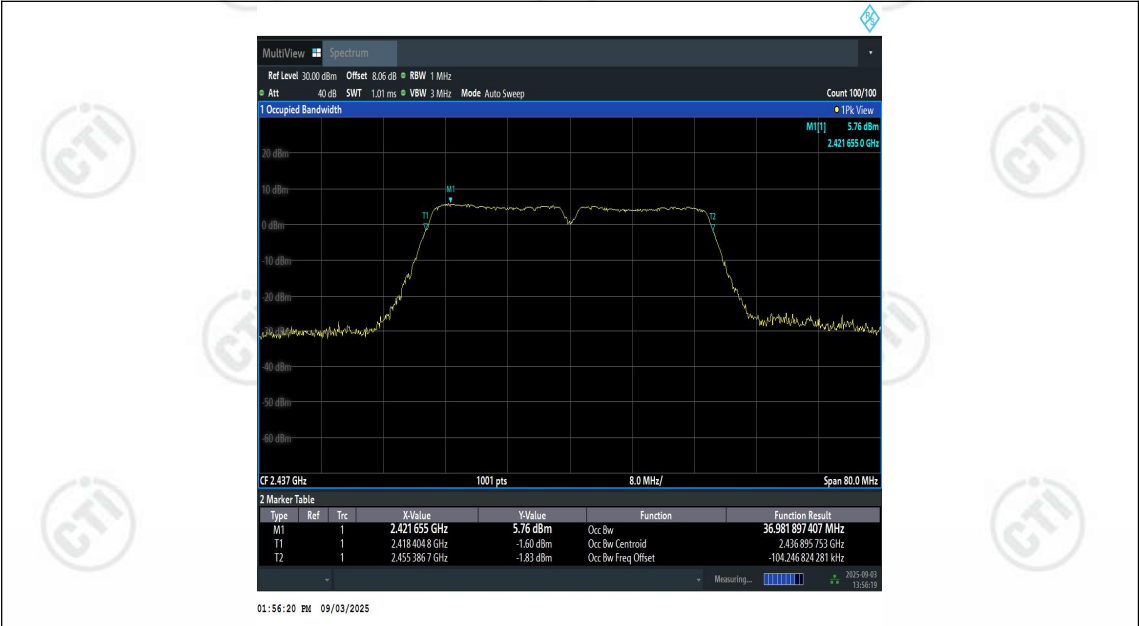
11N20SISO-Ant1-2437



11N20ISO-Ant1-2462



11N40ISO-Ant1-2422



11N40ISO-Ant1-2437



11N40ISO-Ant1-2452

Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequen cy[MHz]	Conducted Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.09	≤30.00	PASS
11B	Ant1	2437	13.51	≤30.00	PASS
11B	Ant1	2462	13.05	≤30.00	PASS
11G	Ant1	2412	12.17	≤30.00	PASS
11G	Ant1	2437	12.63	≤30.00	PASS
11G	Ant1	2462	12.17	≤30.00	PASS
11N20SISO	Ant1	2412	12.80	≤30.00	PASS
11N20SISO	Ant1	2437	12.53	≤30.00	PASS
11N20SISO	Ant1	2462	12.07	≤30.00	PASS
11N40SISO	Ant1	2422	12.83	≤30.00	PASS
11N40SISO	Ant1	2437	12.61	≤30.00	PASS
11N40SISO	Ant1	2452	12.45	≤30.00	PASS

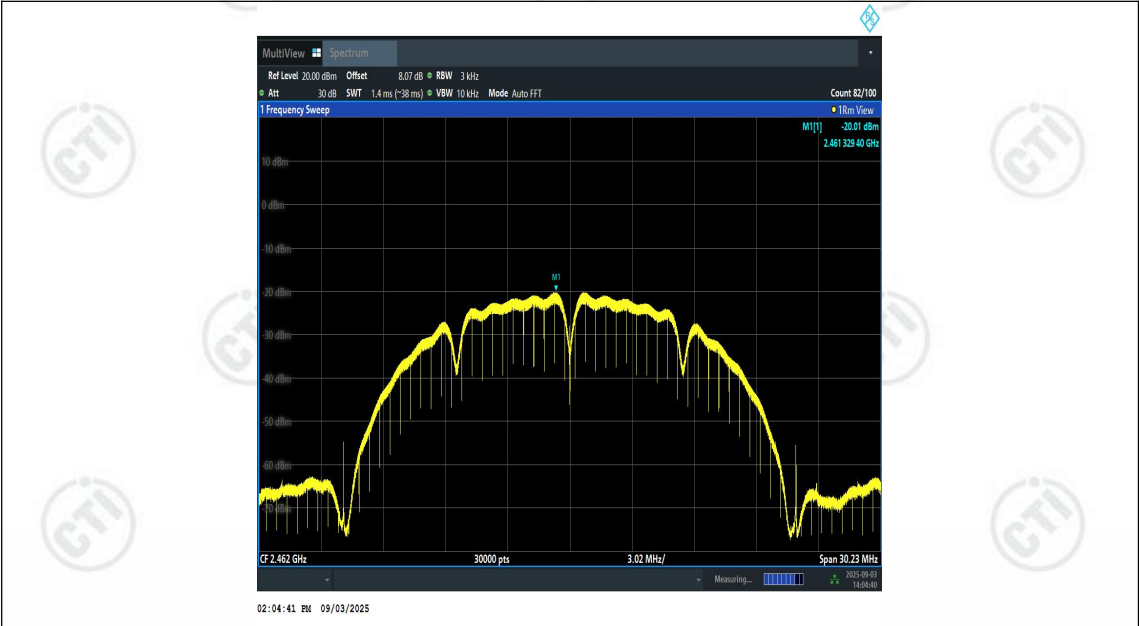
Appendix D: Maximum power spectral density

Test Result

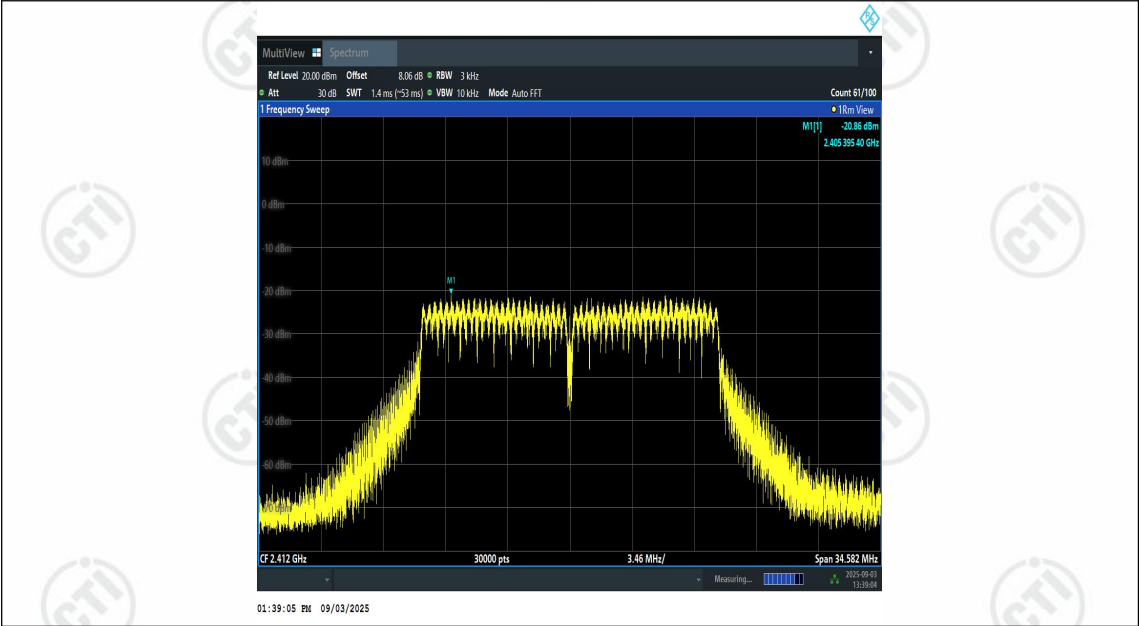
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.64	≤8.00	PASS
11B	Ant1	2437	-19.40	≤8.00	PASS
11B	Ant1	2462	-20.01	≤8.00	PASS
11G	Ant1	2412	-20.86	≤8.00	PASS
11G	Ant1	2437	-20.32	≤8.00	PASS
11G	Ant1	2462	-20.81	≤8.00	PASS
11N20SISO	Ant1	2412	-21.05	≤8.00	PASS
11N20SISO	Ant1	2437	-21.39	≤8.00	PASS
11N20SISO	Ant1	2462	-21.97	≤8.00	PASS
11N40SISO	Ant1	2422	-22.44	≤8.00	PASS
11N40SISO	Ant1	2437	-22.92	≤8.00	PASS
11N40SISO	Ant1	2452	-23.33	≤8.00	PASS

Test Graphs

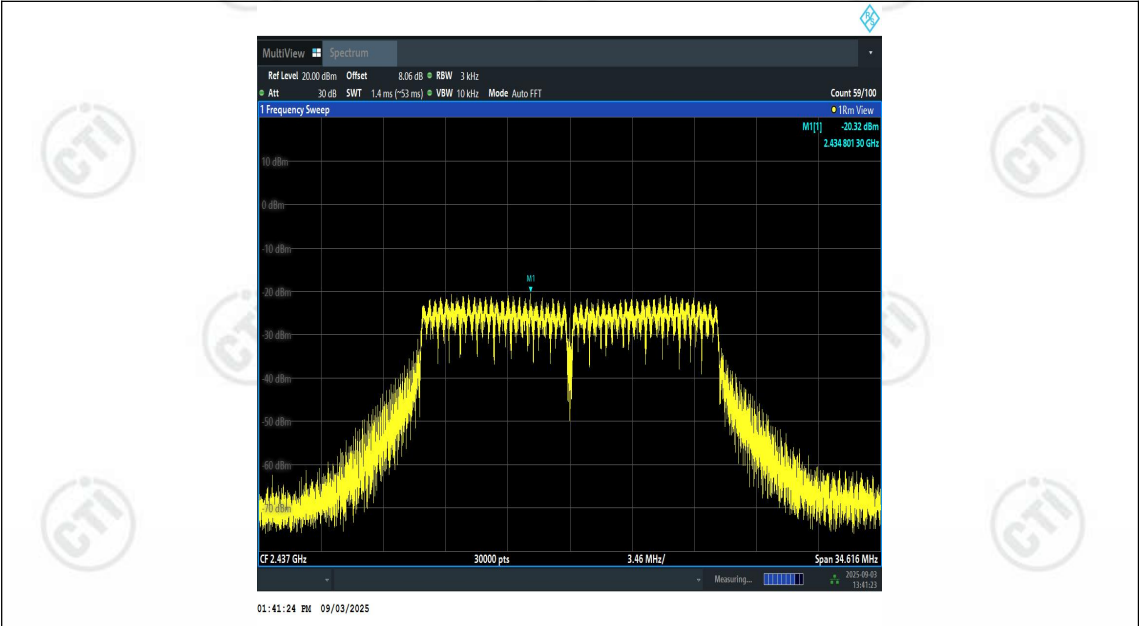




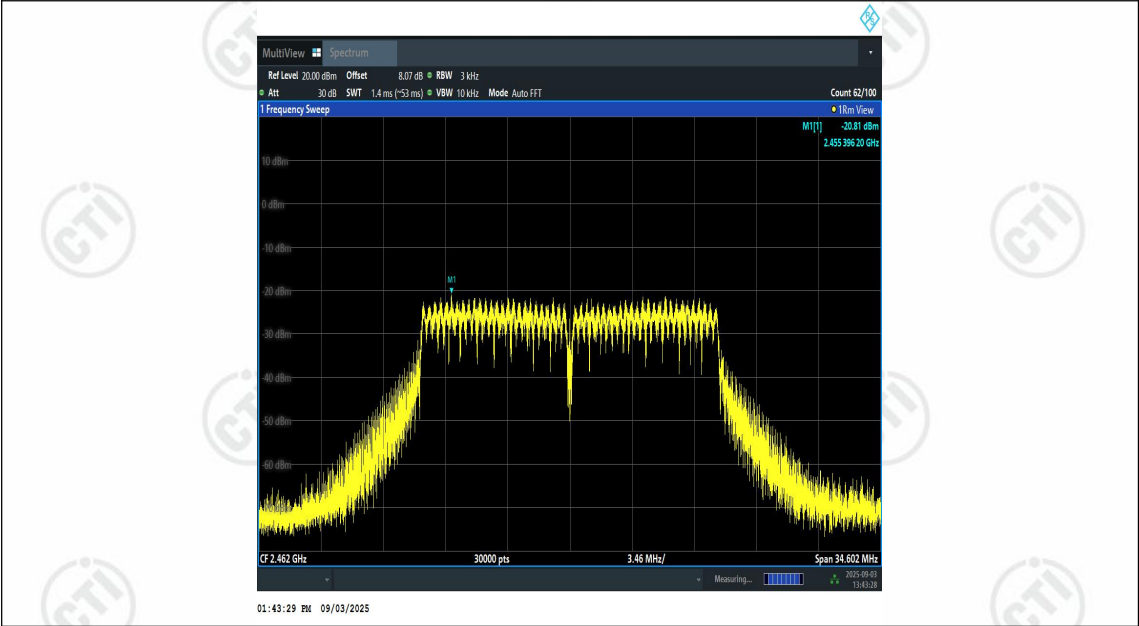
11B-Ant1-2462-PASS



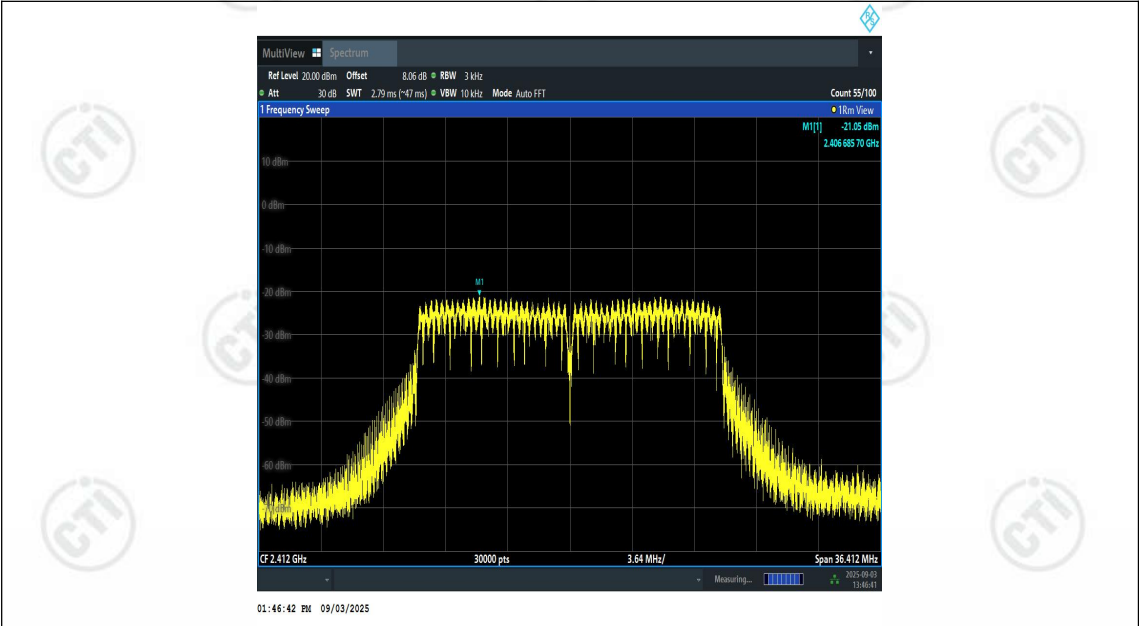
11G-Ant1-2412-PASS



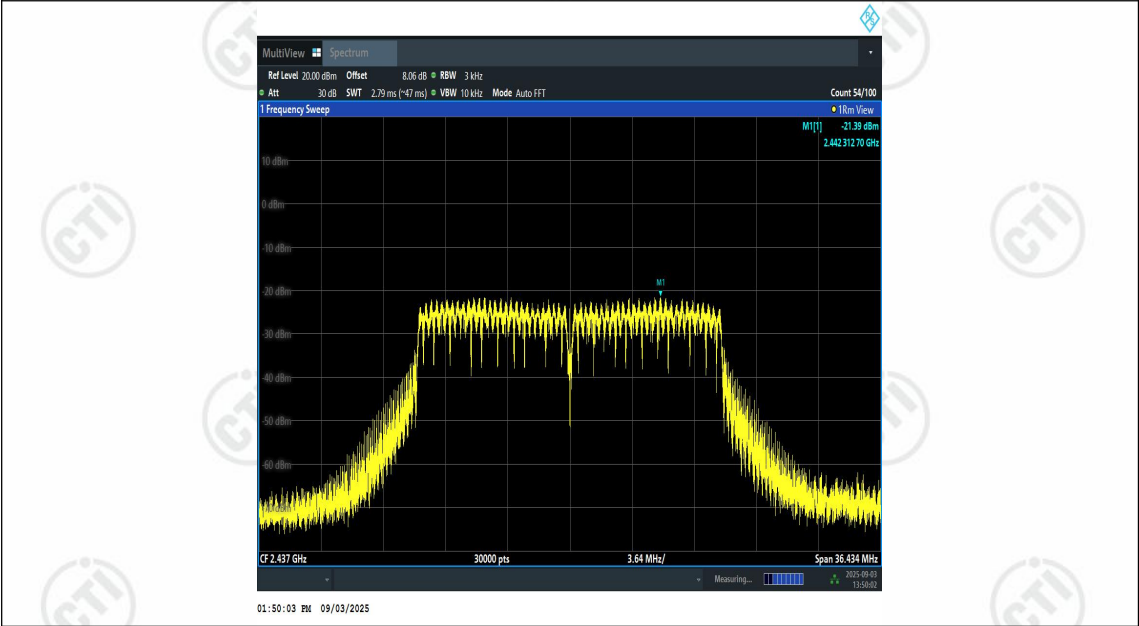
11G-Ant1-2437-PASS



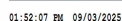
11G-Ant1-2462-PASS



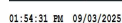
11N20SISO-Ant1-2412-PASS



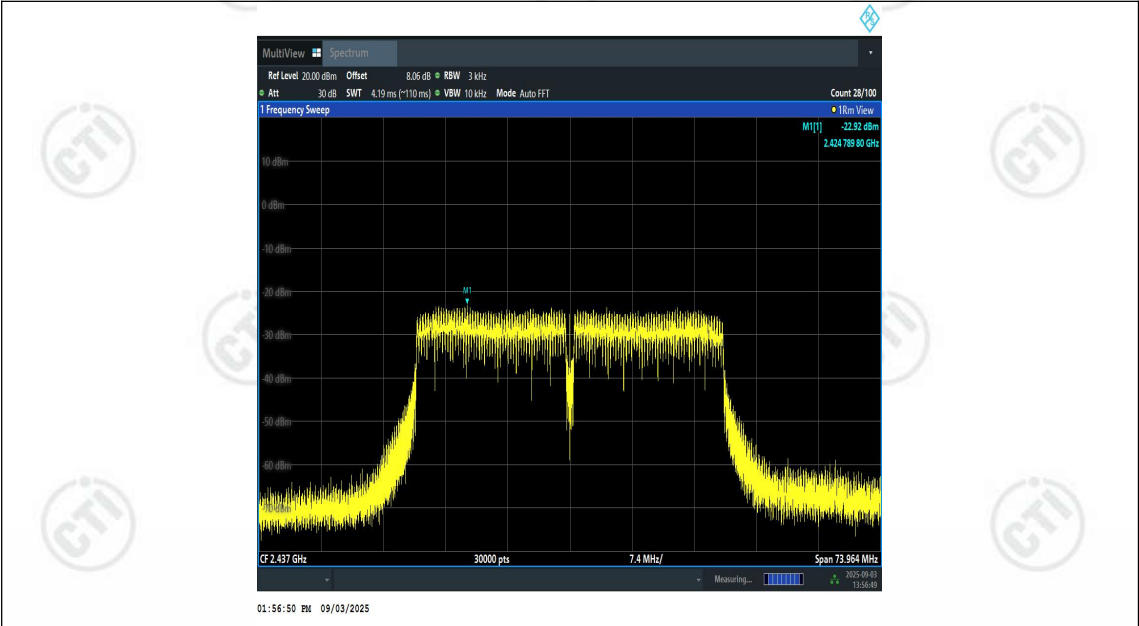
11N20SISO-Ant1-2437-PASS



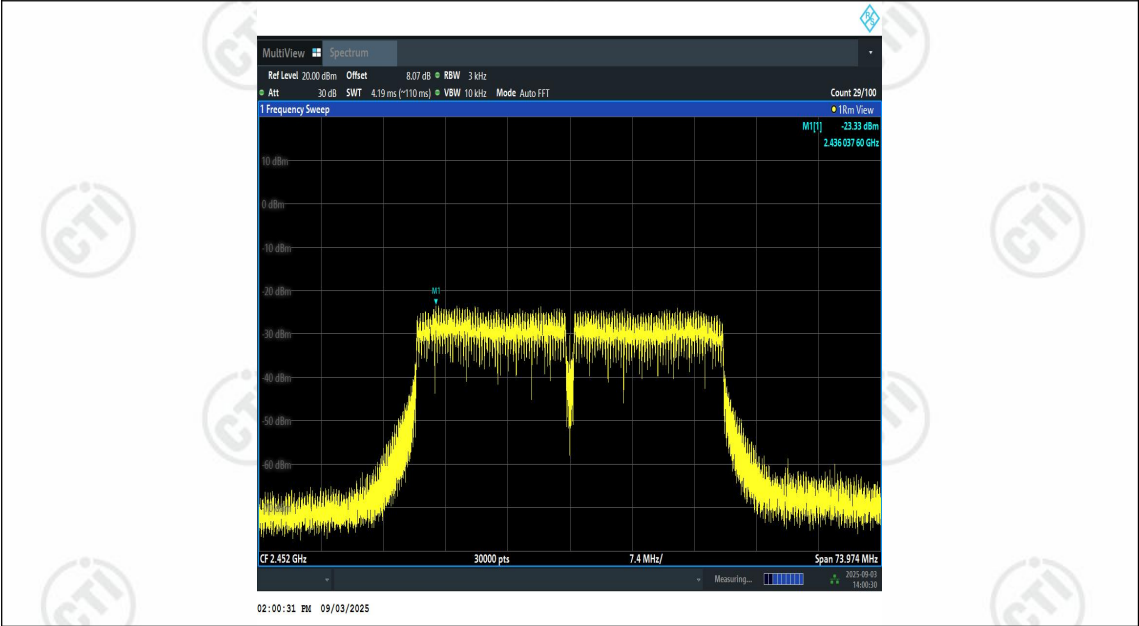
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Appendix F: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.70	-38.94	≤-16.3	PASS
11B	Ant1	High	2462	3.90	-47.79	≤-16.1	PASS
11G	Ant1	Low	2412	-3.11	-36.01	≤-23.11	PASS
11G	Ant1	High	2462	-3.38	-47.75	≤-23.38	PASS
11N20SISO	Ant1	Low	2412	-1.49	-36.66	≤-21.49	PASS
11N20SISO	Ant1	High	2462	-2.54	-45.69	≤-22.54	PASS
11N40SISO	Ant1	Low	2422	-5.02	-38.29	≤-25.02	PASS
11N40SISO	Ant1	High	2452	-5.48	-40.44	≤-25.48	PASS