Appendix A: Test Results of 2.4GHz Wi-Fi

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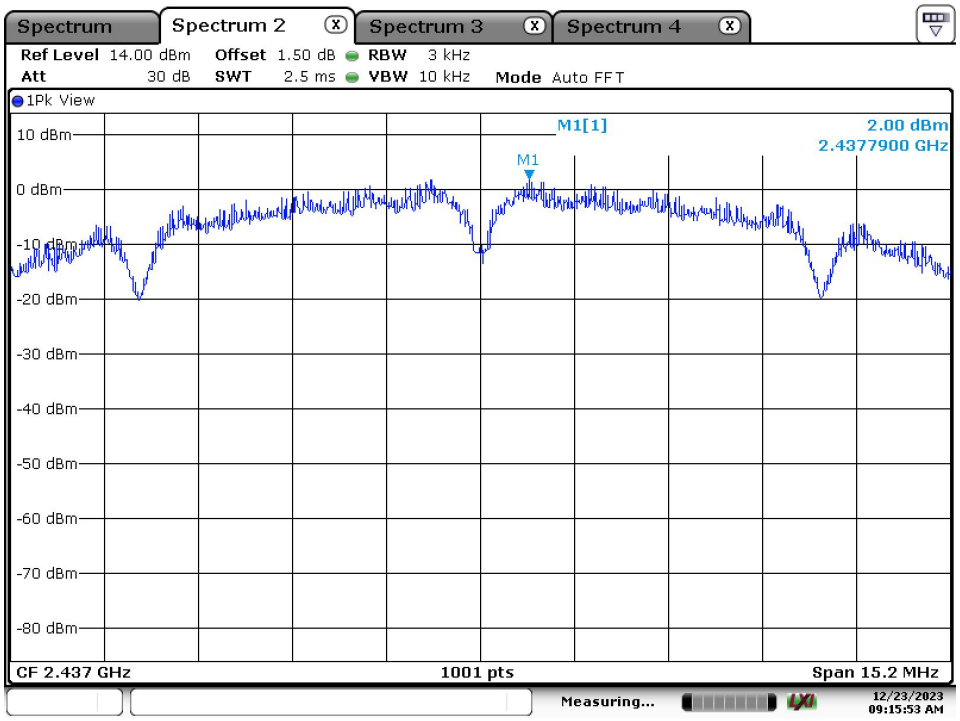
Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	2.00	≤8.00	PASS
	Ant2	2437	-0.58	≤8.00	PASS
	Ant2	2462	0.46	≤8.00	PASS
11G	Ant2	2412	-2.93	≤8.00	PASS
	Ant2	2437	1.01	≤8.00	PASS
	Ant2	2462	-0.24	≤8.00	PASS
11N20MIMO	Ant1	2412	-6.83	≤8.00	PASS
	Ant2	2412	-5.69	≤8.00	PASS
	total	2412	-3.21	≤6.00	PASS
	Ant1	2437	-6.53	≤8.00	PASS
	Ant2	2437	-5.27	≤8.00	PASS
	total	2437	-2.84	≤6.00	PASS
	Ant1	2462	-4.62	≤8.00	PASS
	Ant2	2462	-3.35	≤8.00	PASS
	total	2462	-0.93	≤6.00	PASS
11N40MIMO	Ant1	2422	-8.85	≤8.00	PASS
	Ant2	2422	-7.03	≤8.00	PASS
	total	2422	-4.84	≤6.00	PASS
	Ant1	2437	-8.54	≤8.00	PASS
	Ant2	2437	-7.08	≤8.00	PASS
	total	2437	-4.74	≤6.00	PASS
	Ant1	2452	-8.55	≤8.00	PASS
	Ant2	2452	-6.5	≤8.00	PASS
	total	2452	-4.39	≤6.00	PASS
11AX20MIMO (Full RU)	Ant1	2412	-8.97	≤8.00	PASS
	Ant2	2412	-8.45	≤8.00	PASS
	total	2412	-5.69	≤6.00	PASS
	Ant1	2437	-9.13	≤8.00	PASS
	Ant2	2437	-7.65	≤8.00	PASS
	total	2437	-5.32	≤6.00	PASS
	Ant1	2462	-8.8	≤8.00	PASS
	Ant2	2462	-7.33	≤8.00	PASS
	total	2462	-4.99	≤6.00	PASS
11AX40MIMO (Full RU)	Ant1	2422	-8.8	≤8.00	PASS
	Ant2	2422	-7.91	≤8.00	PASS
	total	2422	-5.32	≤6.00	PASS
	Ant1	2437	-9.42	≤8.00	PASS
	Ant2	2437	-7.54	≤8.00	PASS
	total	2437	-5.37	≤6.00	PASS
	Ant1	2452	-9.05	≤8.00	PASS
	Ant2	2452	-7.04	≤8.00	PASS
	total	2452	-4.92	≤6.00	PASS
11AX20MIMO (RU_26 tone_RU1)	Ant1	2412	-1.9	≤8.00	PASS
	Ant2	2412	-1.63	≤8.00	PASS
	total	2412	1.25	≤6.00	PASS
	Ant1	2437	-2.58	≤8.00	PASS
	Ant2	2437	-0.97	≤8.00	PASS
	total	2437	1.31	≤6.00	PASS
	Ant1	2462	-1.04	≤8.00	PASS
	Ant2	2462	2.2	≤8.00	PASS
	total	2462	3.89	≤6.00	PASS
11AX40MIMO (RU_26 tone_RU1)	Ant1	2422	-5.18	≤8.00	PASS
	Ant2	2422	-4.6	≤8.00	PASS
	total	2422	-1.87	≤6.00	PASS
	Ant1	2437	-3.54	≤8.00	PASS
	Ant2	2437	-3.63	≤8.00	PASS
	total	2437	-0.57	≤6.00	PASS
	Ant1	2452	-3.37	≤8.00	PASS
	Ant2	2452	-1.76	≤8.00	PASS
	total	2452	0.52	≤6.00	PASS

1. As for 802.11b/g, only SISO supported, Both the ports tested, only the worst-case reported.
2. As for MIMO mode for Antenna 1# and Antenna 2#, directional gain is 8dBi, thus the power limit reduced by 2dB.
3. As for AX modes, all RU configurations considered, only the worst-case reported.

802.11b:



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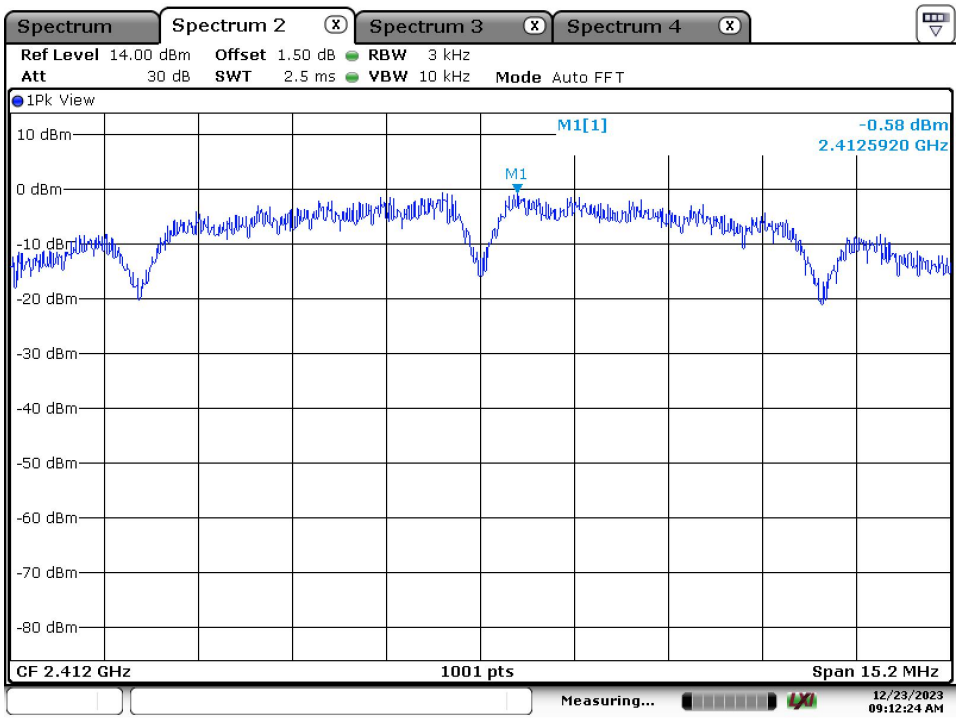

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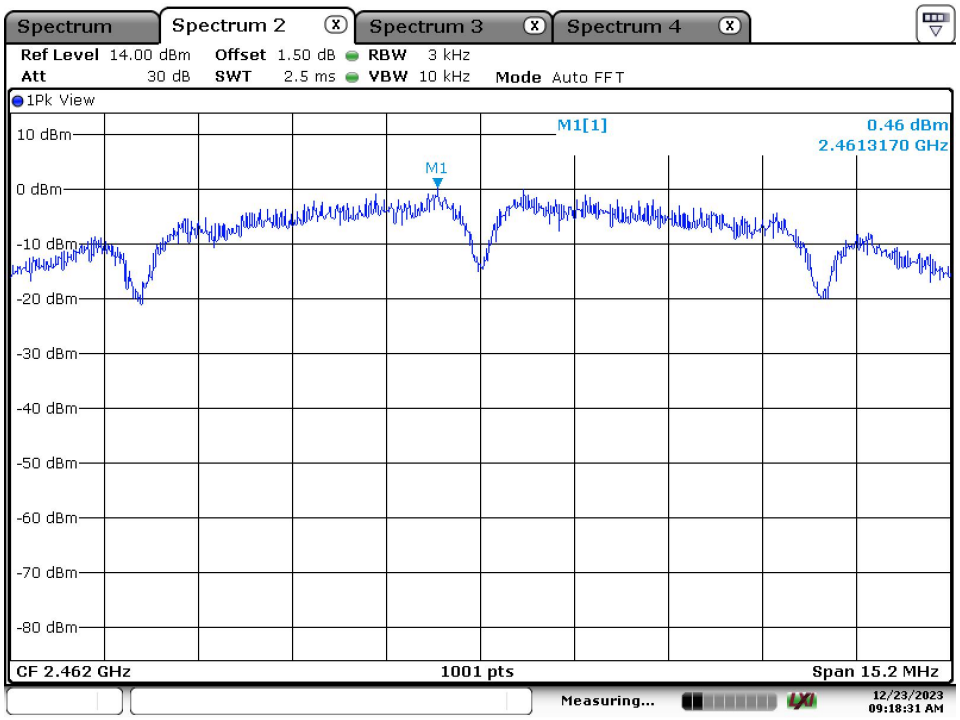

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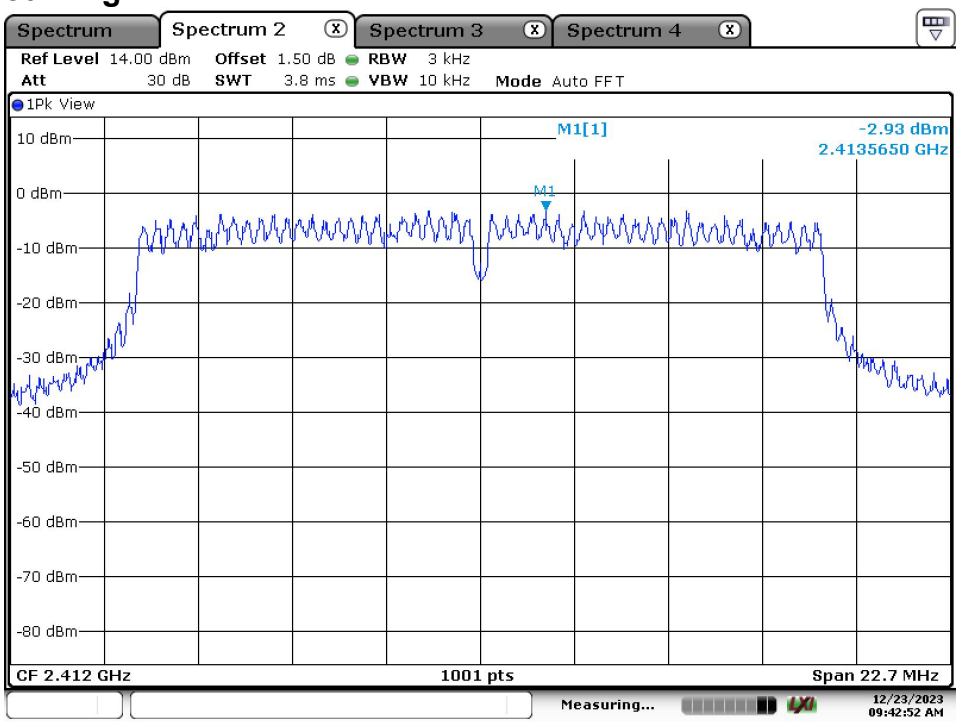

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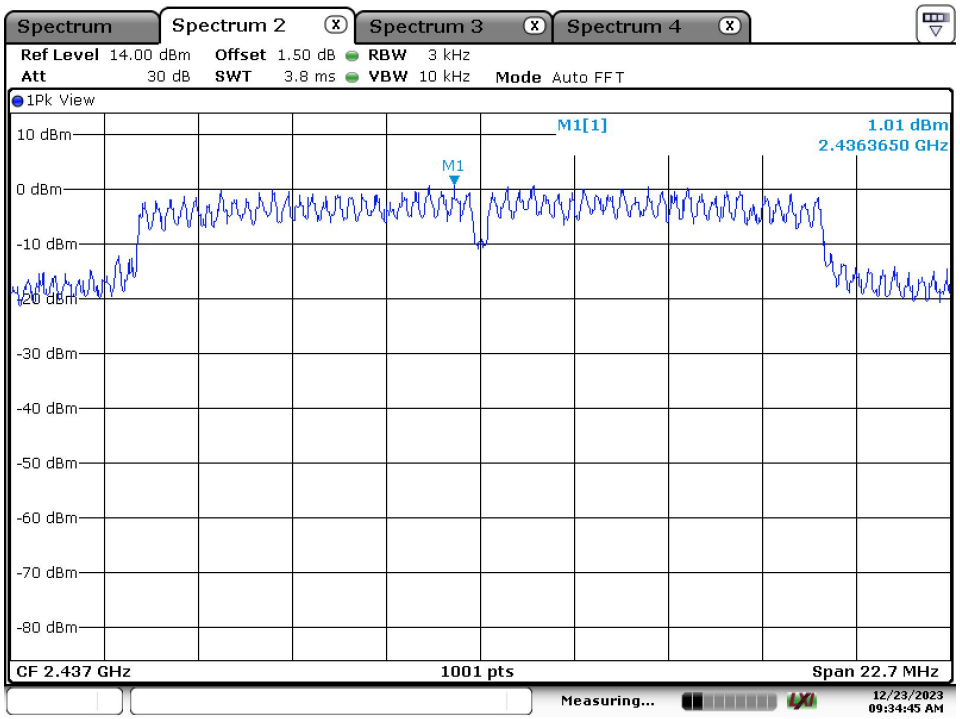

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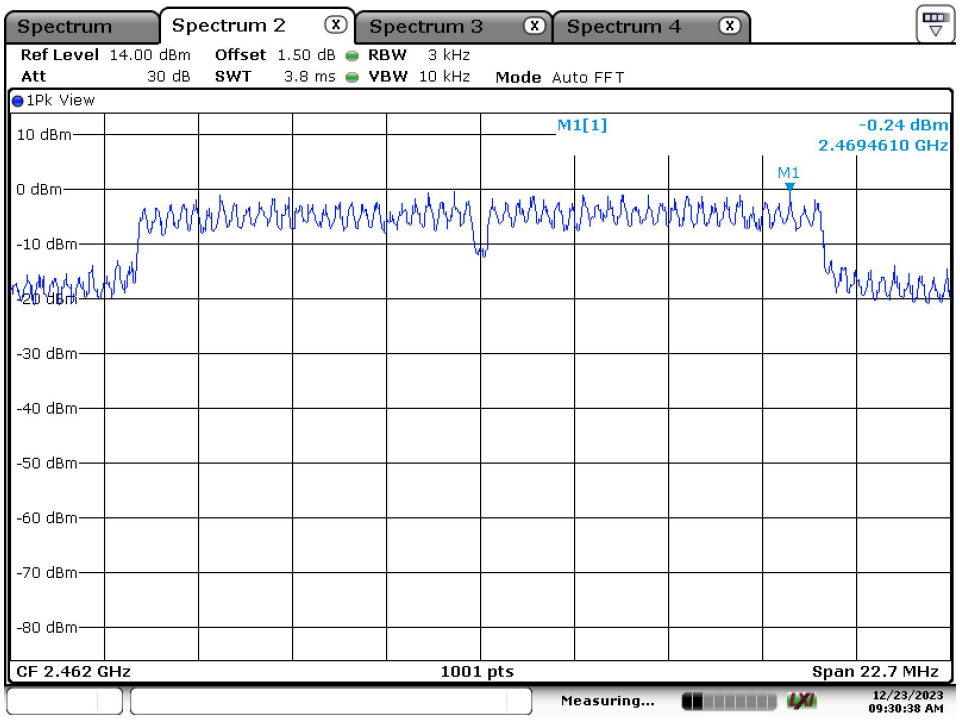

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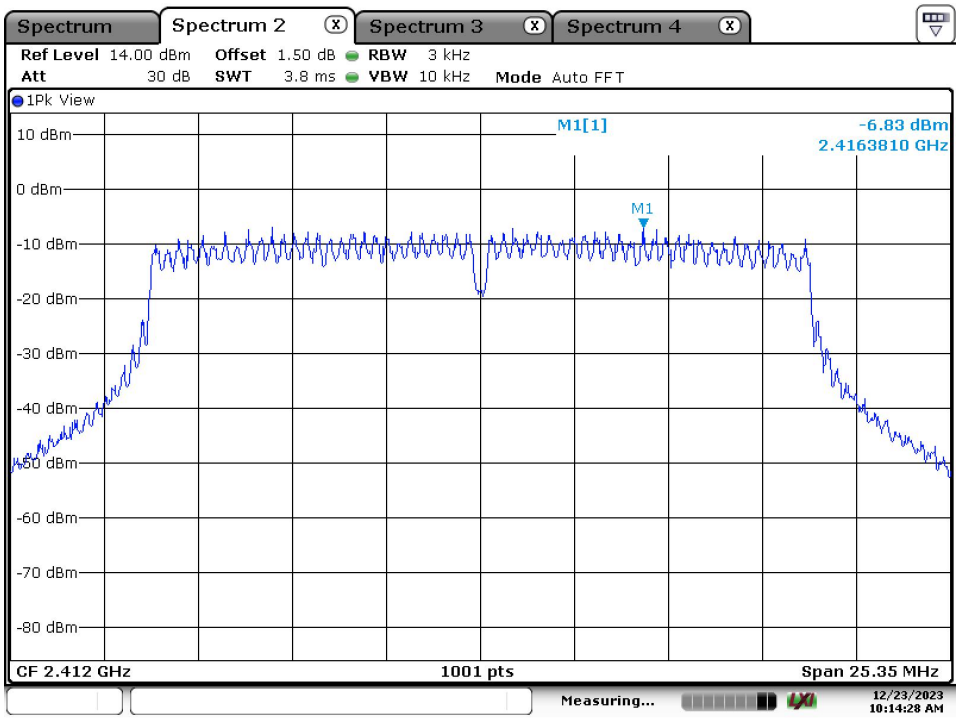

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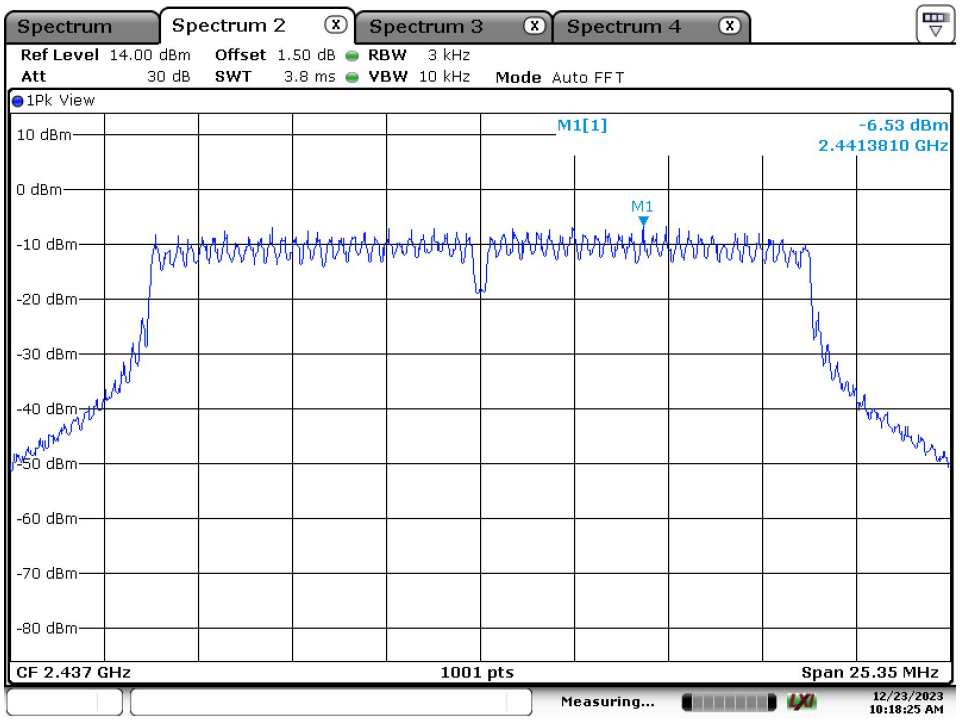

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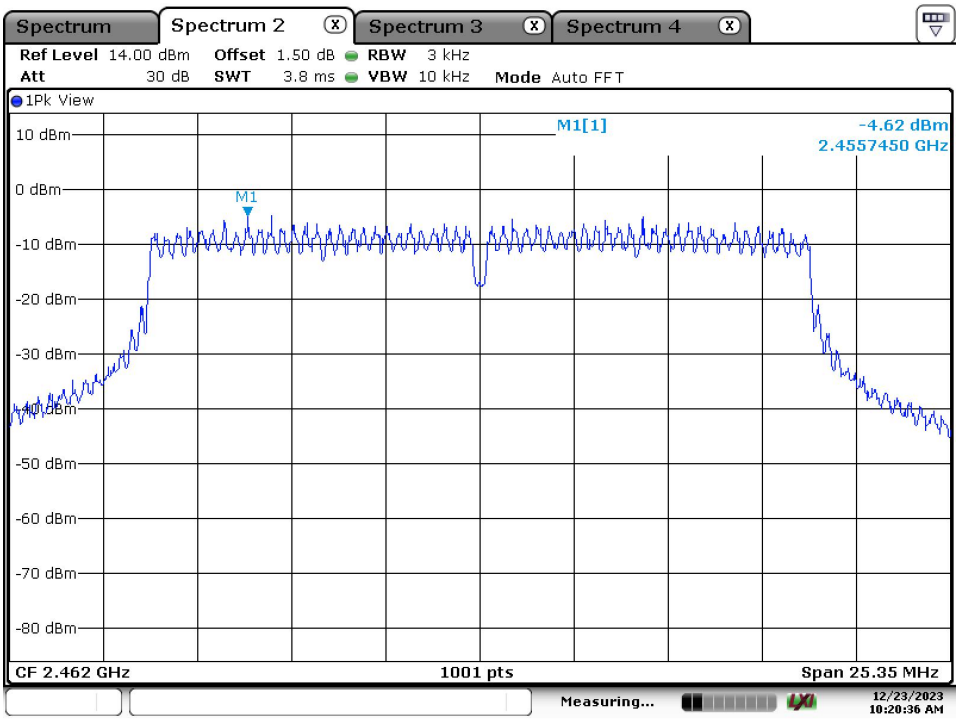

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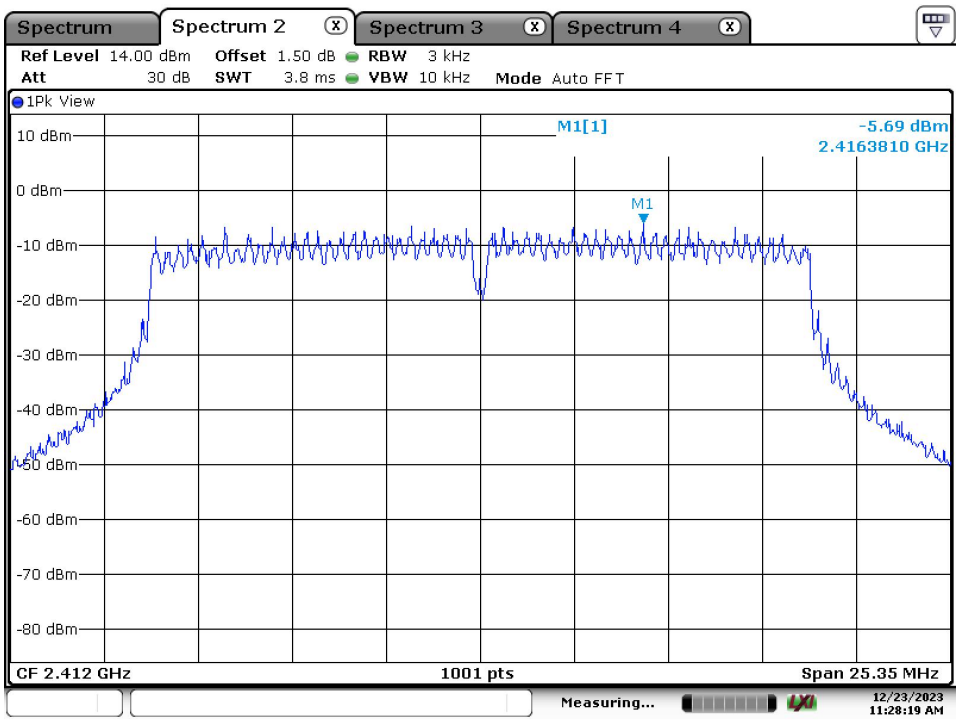

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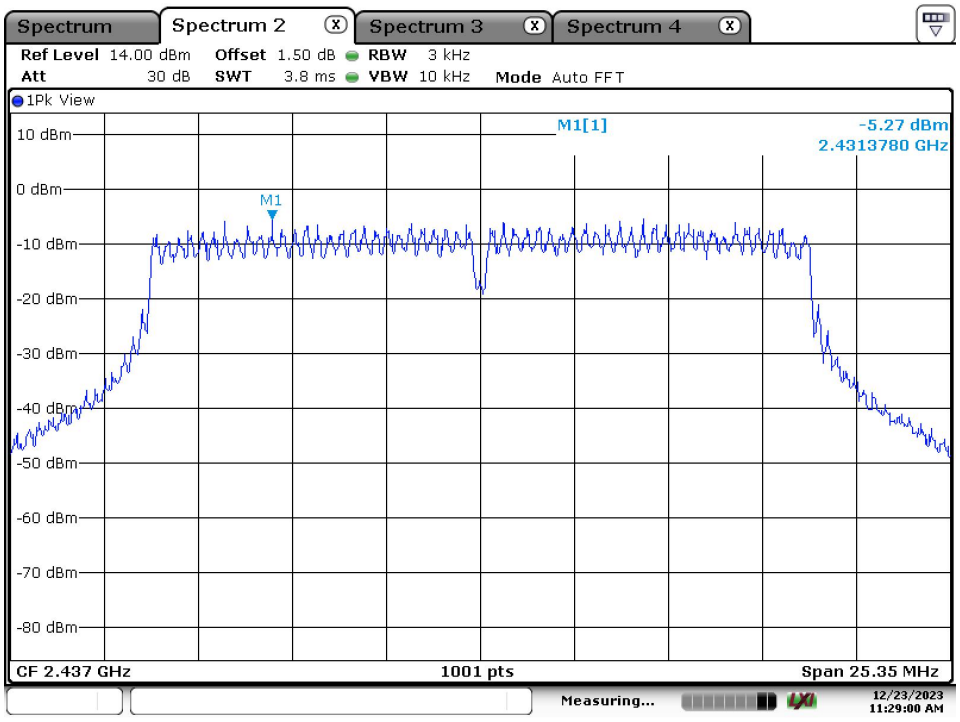

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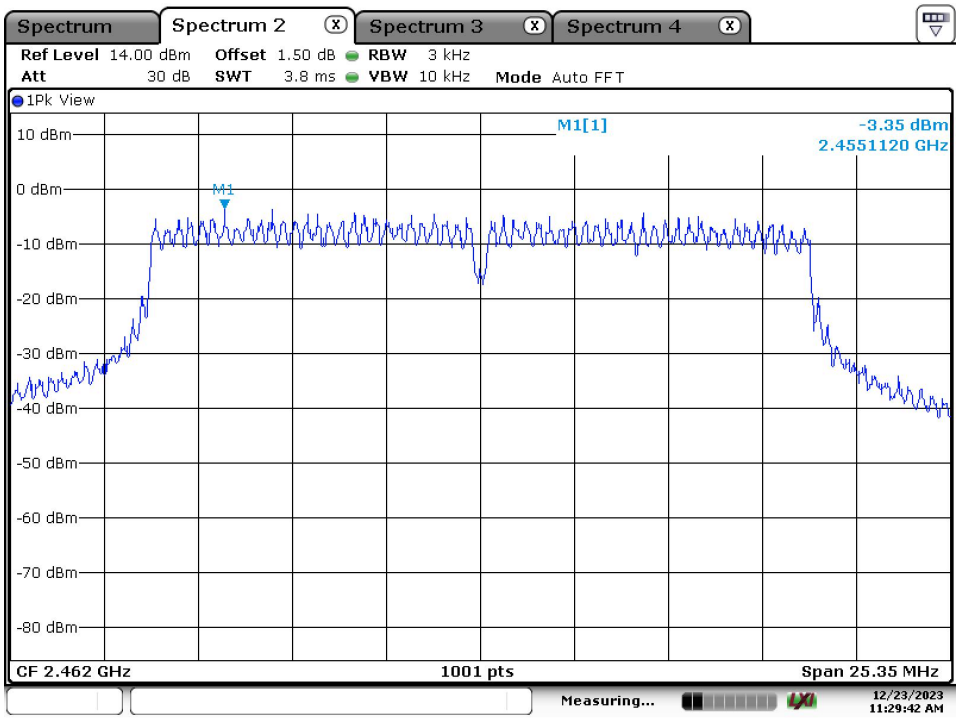

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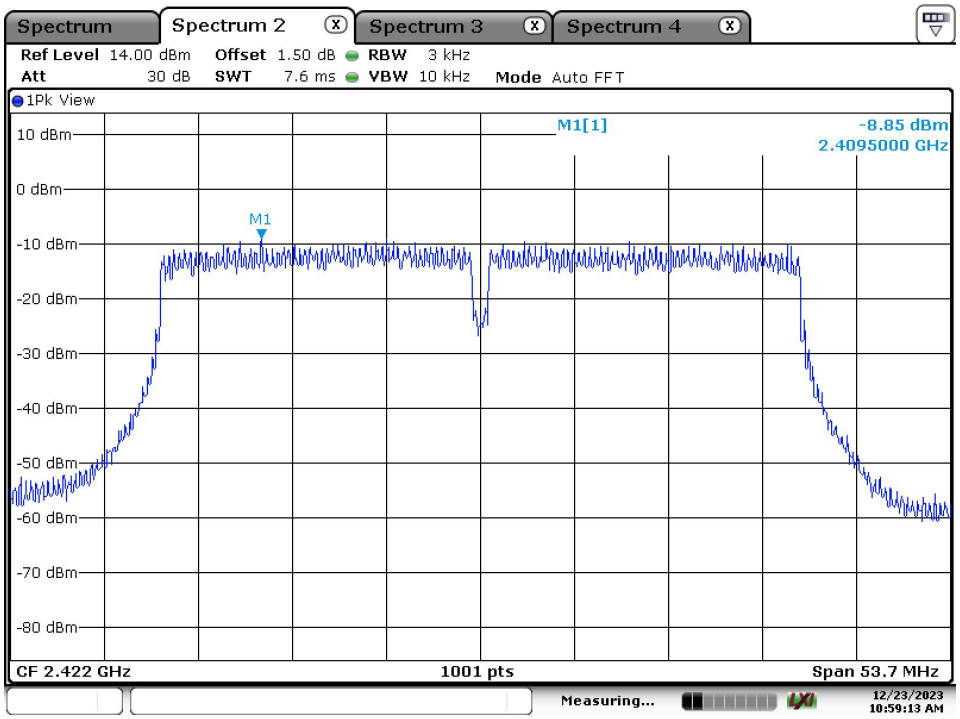

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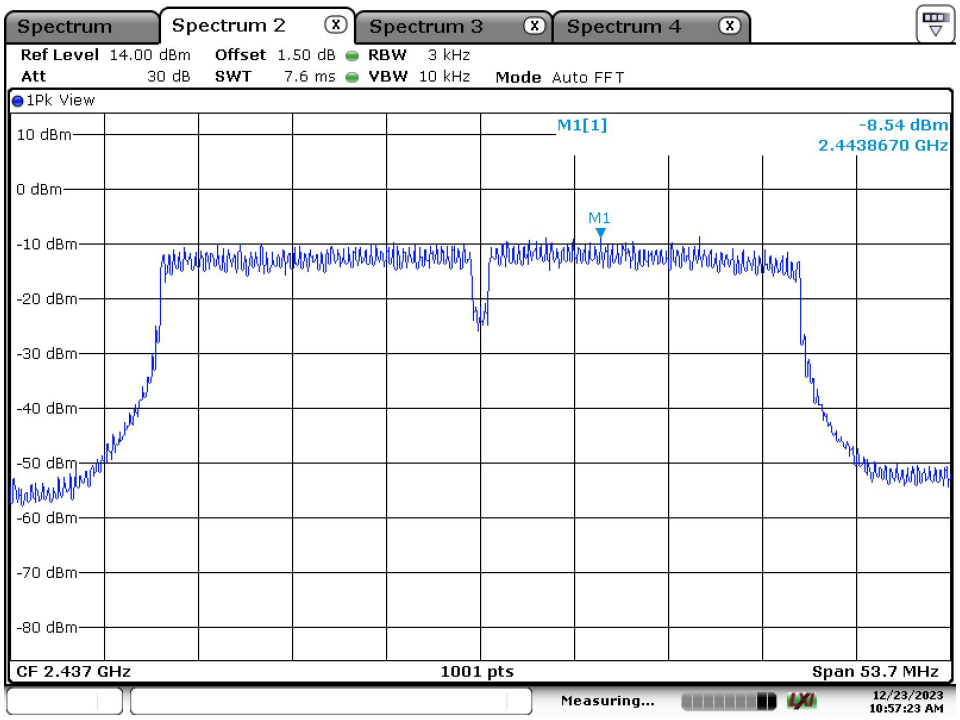

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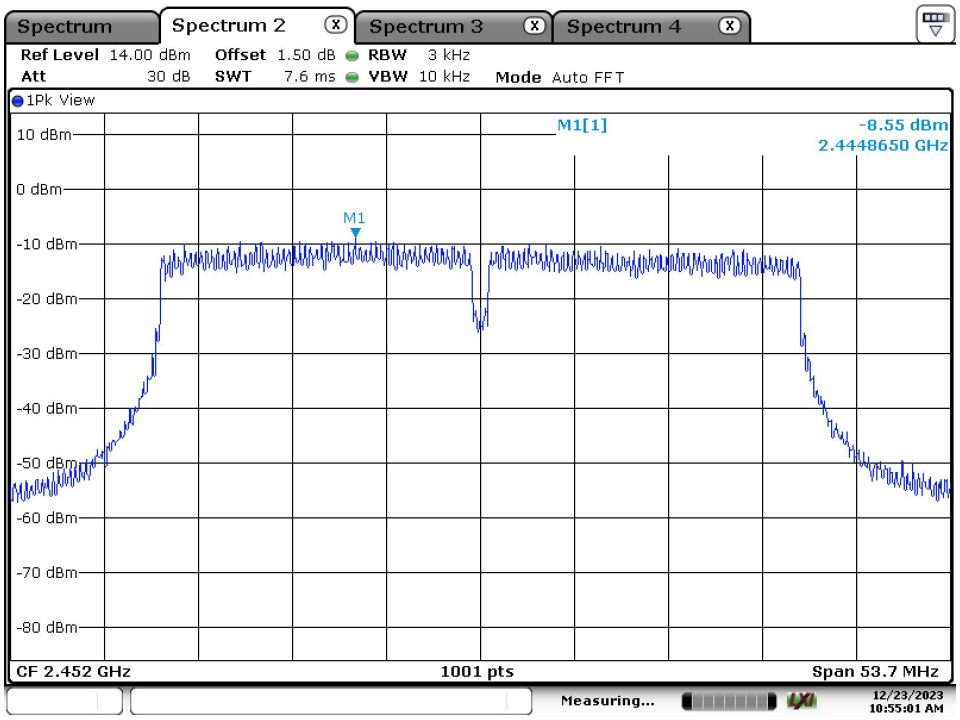

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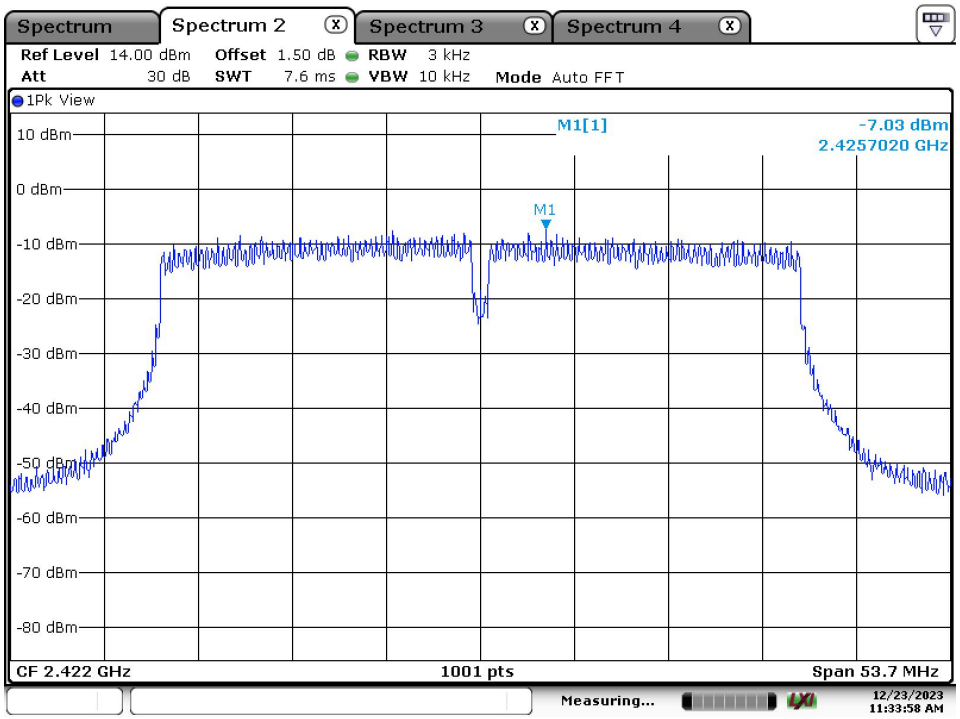

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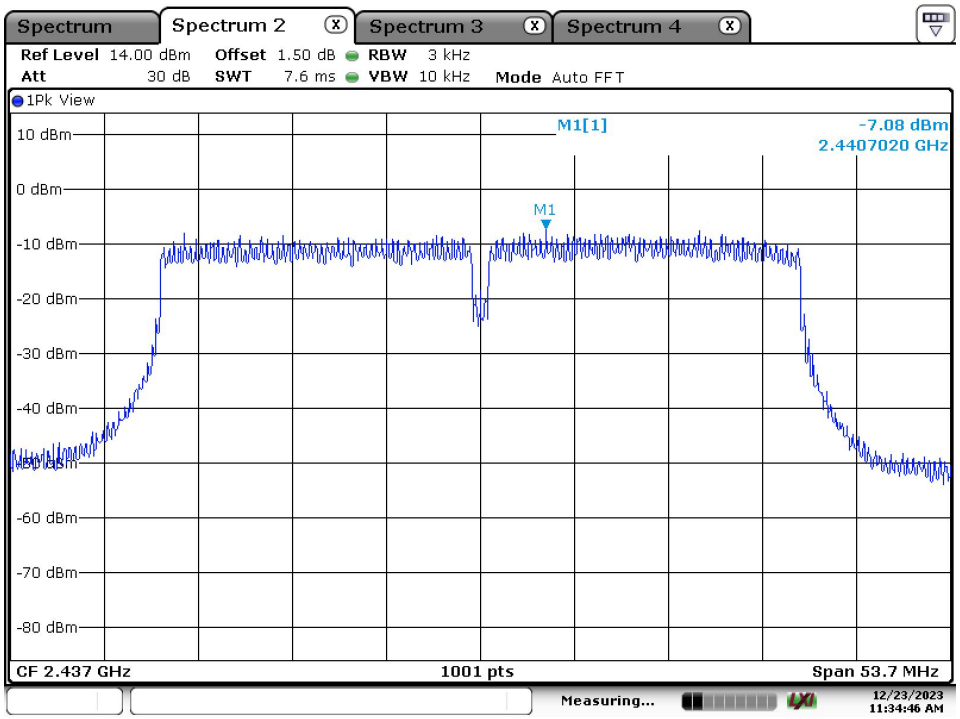

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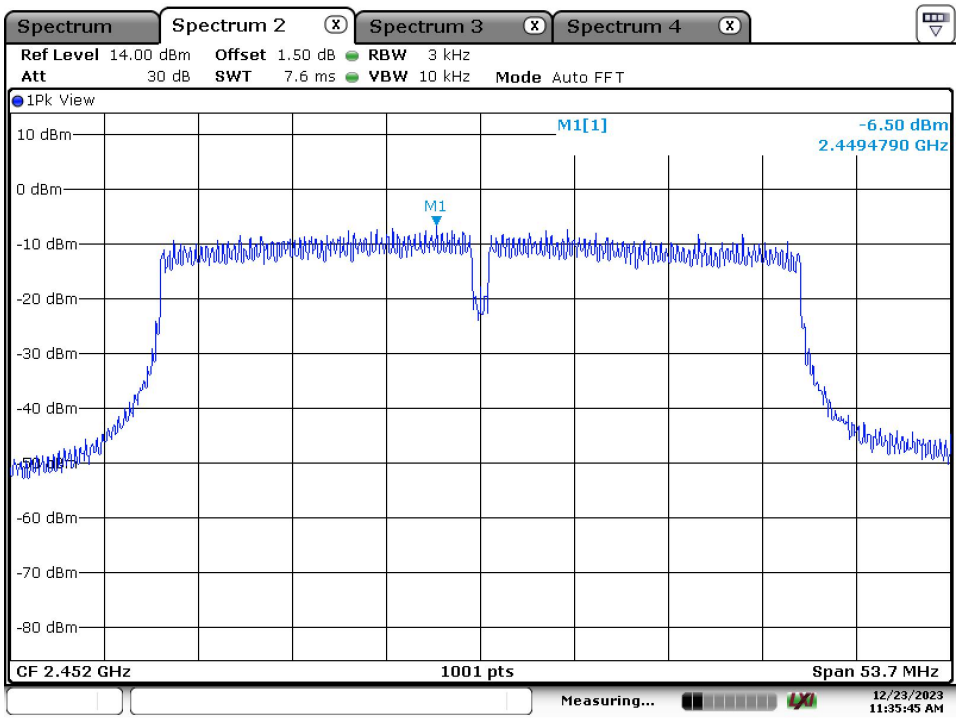

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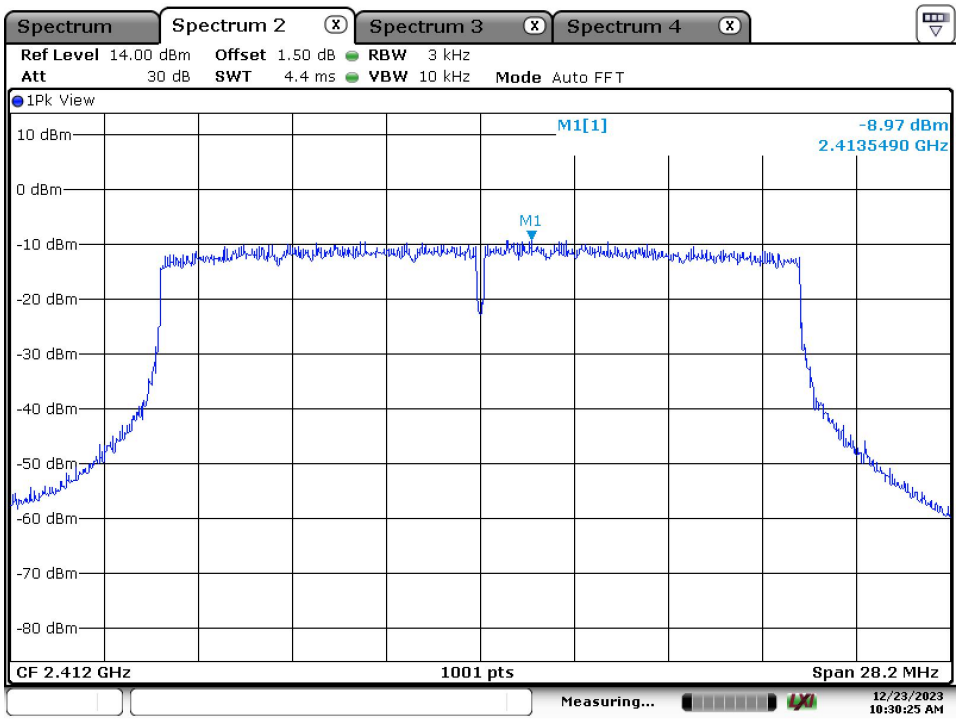

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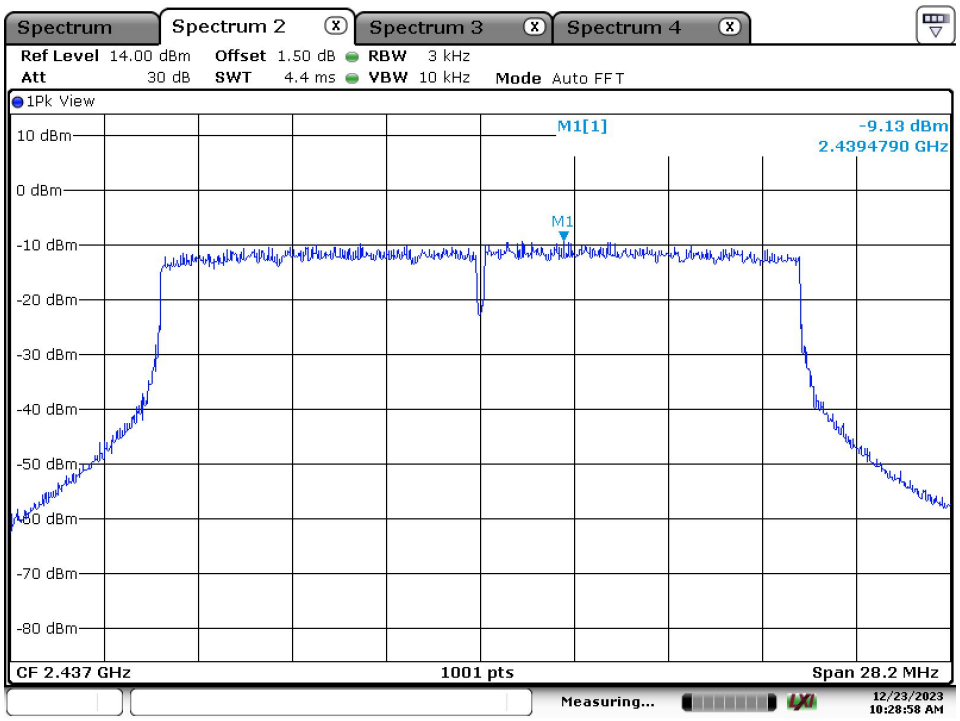

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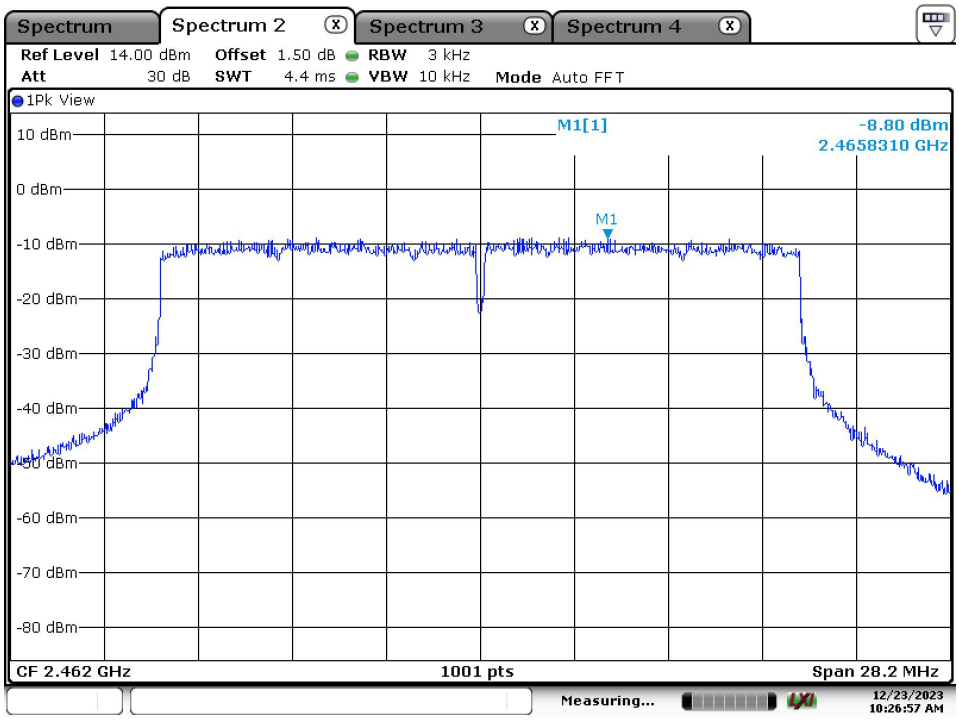

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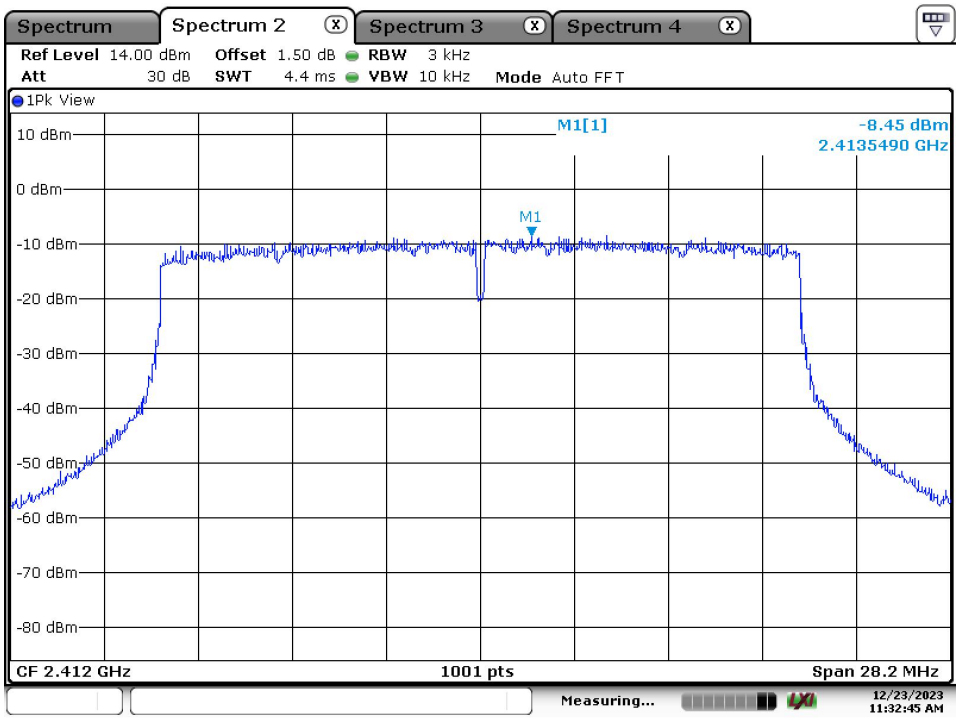

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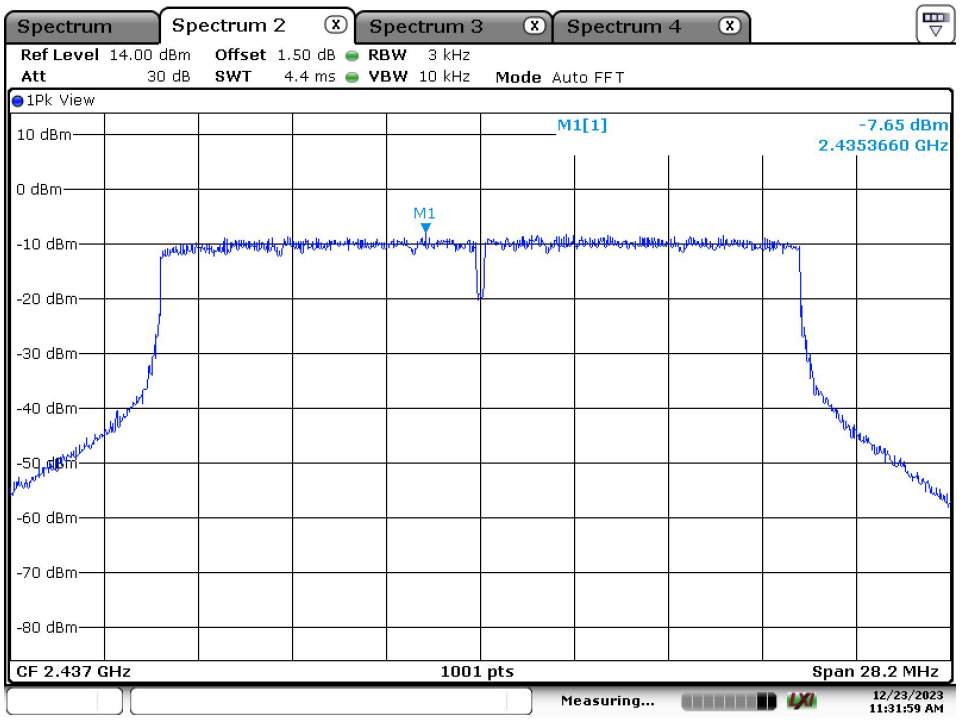

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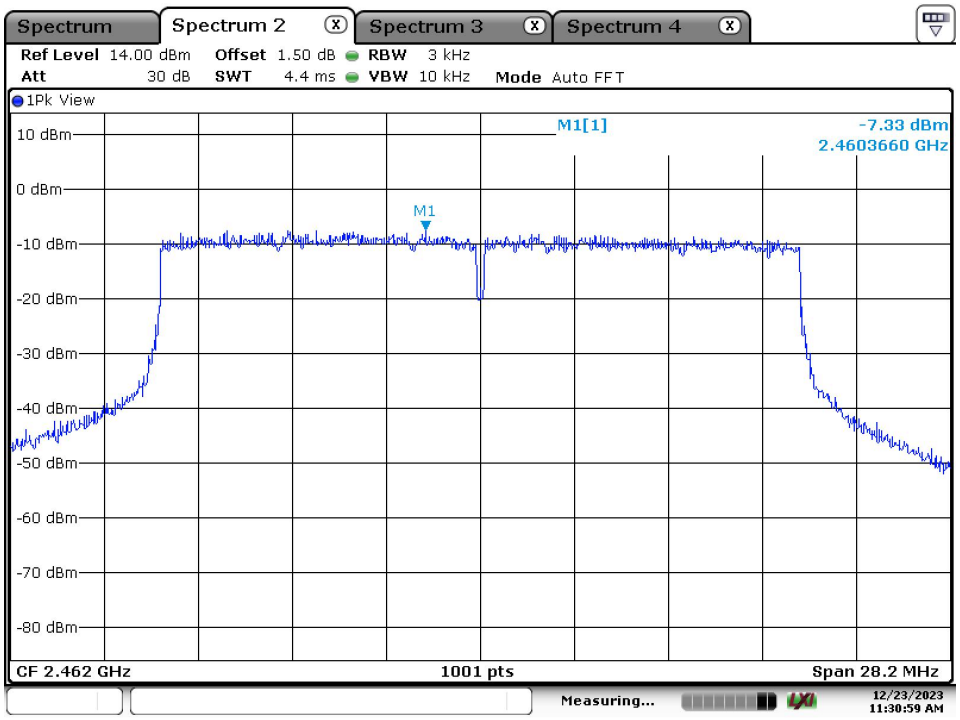

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