APPENDIX REPORT

Project No.	SHT2507079403W	Radio Specification	WIFI 2.4G
Test sample No.	YPHT25070794005	Model No.	ABX00063
Start test date	2025-11-13	Finish date	2025-11-17
Temperature	23.5℃	Humidity	51%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Conducted Peak Output Power

Test Result Peak

Test Mode	Frequency [MHz]	Peak power [dBm]	Conducted Limit[dBm]	Verdict
11B	2412	18.48	≤30.00	PASS
11B	2437	18.70	≤30.00	PASS
11B	2462	19.43	≤30.00	PASS
11G	2412	16.51	≤30.00	PASS
11G	2437	16.32	≤30.00	PASS
11G	2462	16.56	≤30.00	PASS
11N20SISO	2412	15.98	≤30.00	PASS
11N20SISO	2437	15.78	≤30.00	PASS
11N20SISO	2462	16.31	≤30.00	PASS

Test Result Average

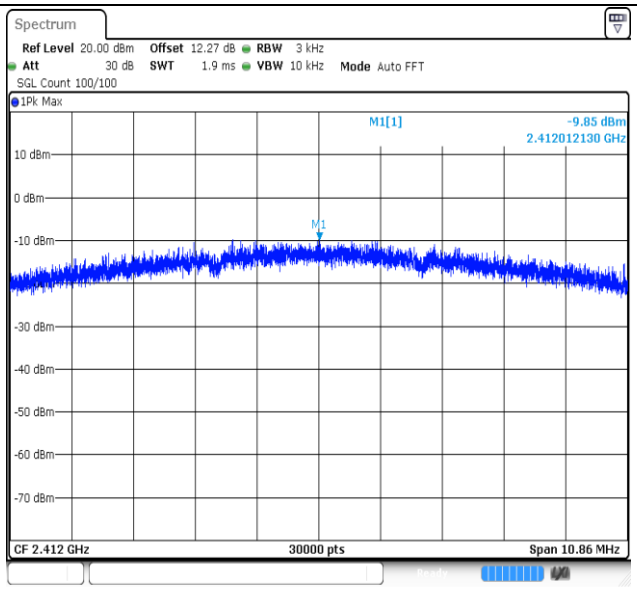
TestMode	Frequency [MHz]	Average Powert[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	13.73	89.58	0.48	13.73	≤30.00	PASS
11B	2437	13.60	90.53	0.43	13.60	≤30.00	PASS
11B	2462	13.78	90.63	0.43	13.78	≤30.00	PASS
11G	2412	9.44	93.46	0.29	9.44	≤30.00	PASS
11G	2437	9.17	93.46	0.29	9.17	≤30.00	PASS
11G	2462	9.47	93.42	0.30	9.47	≤30.00	PASS
11N20SISO	2412	9.15	93.06	0.31	9.15	≤30.00	PASS
11N20SISO	2437	8.90	93.06	0.31	8.90	≤30.00	PASS
11N20SISO	2462	9.34	93.01	0.31	9.34	≤30.00	PASS

Appendix B: Power Spectral Density

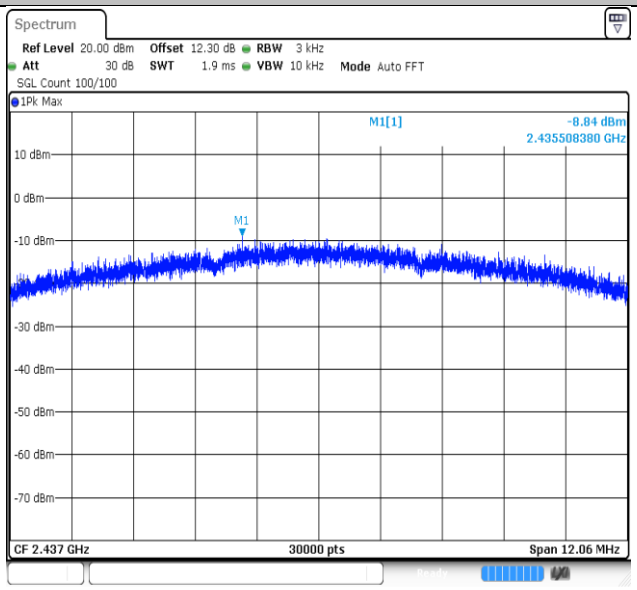
Test Result

TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-9.85	≤8.00	PASS
11B	2437	-8.84	≤8.00	PASS
11B	2462	-9.06	≤8.00	PASS
11G	2412	-14.48	≤8.00	PASS
11G	2437	-14.47	≤8.00	PASS
11G	2462	-15.27	≤8.00	PASS
11N20SISO	2412	-15.70	≤8.00	PASS
11N20SISO	2437	-15.75	≤8.00	PASS
11N20SISO	2462	-15.05	≤8.00	PASS

Test Graphs



11B-2412-PASS



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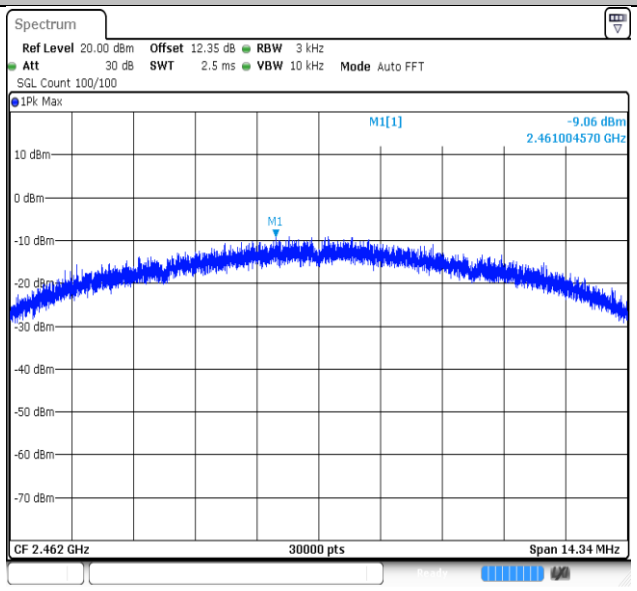

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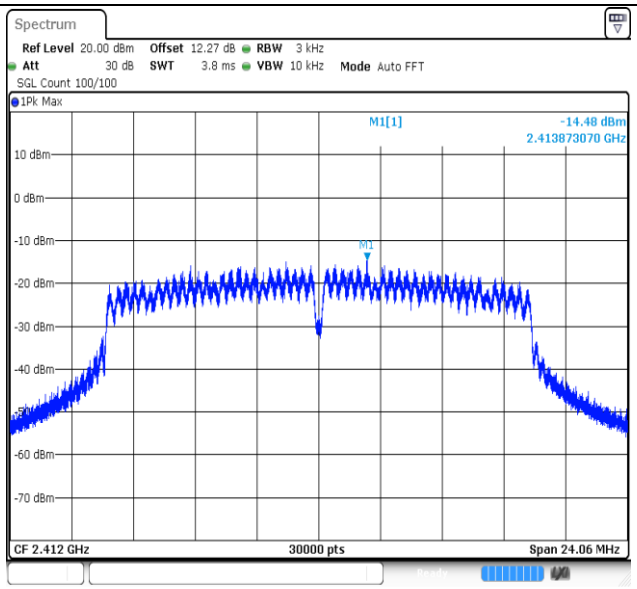

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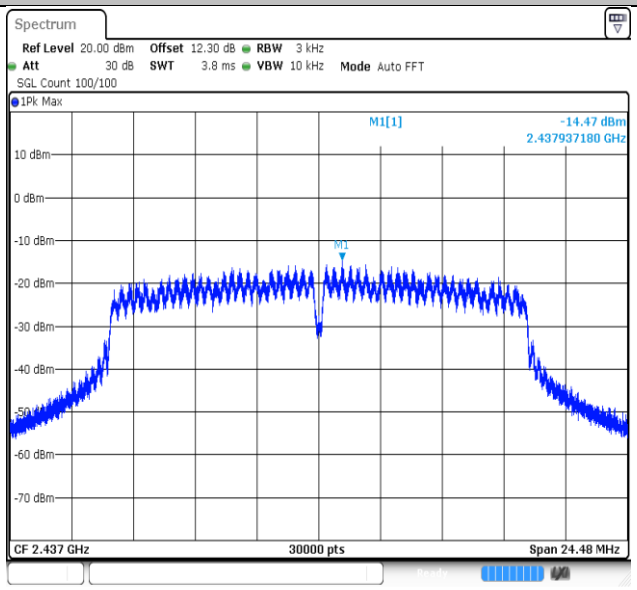

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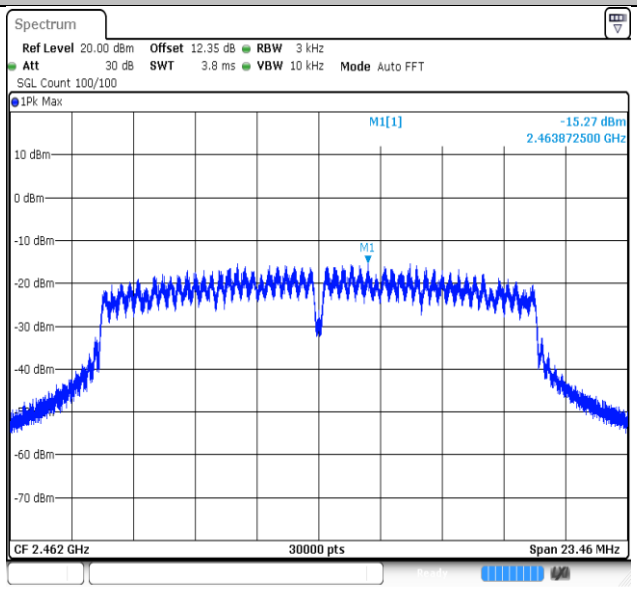

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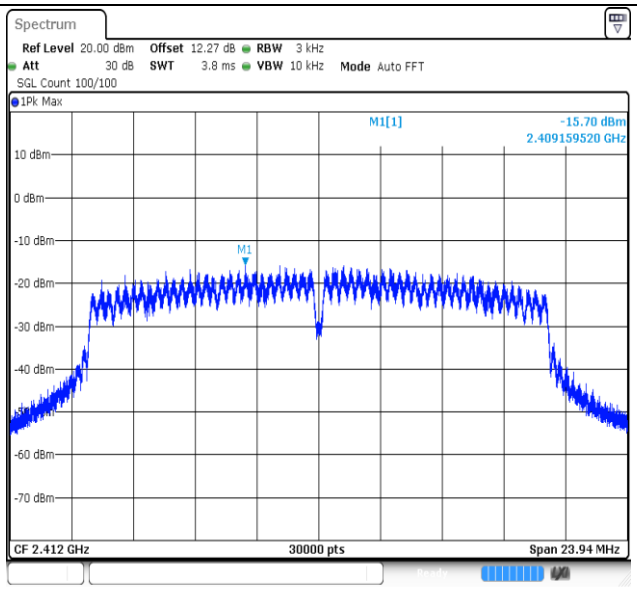

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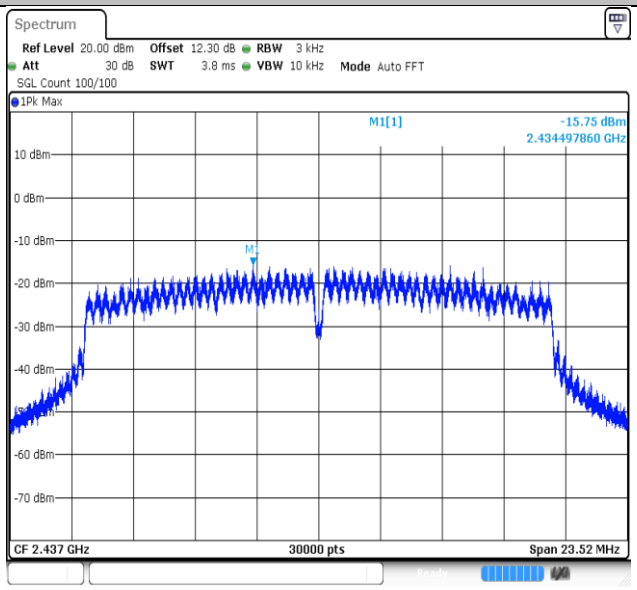

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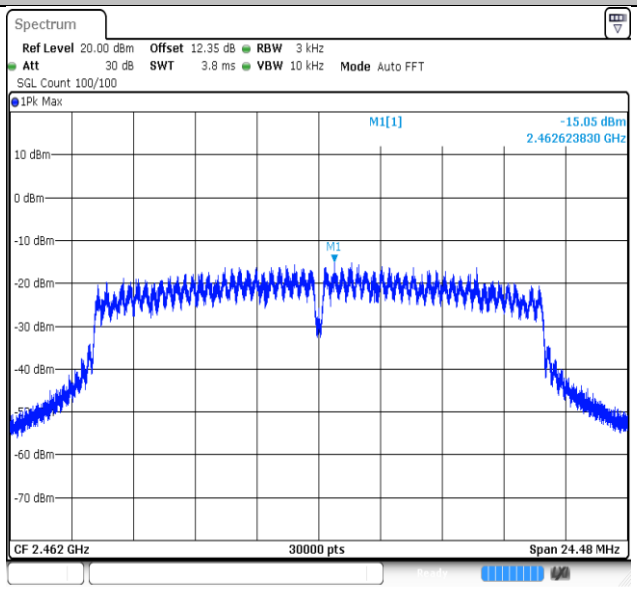


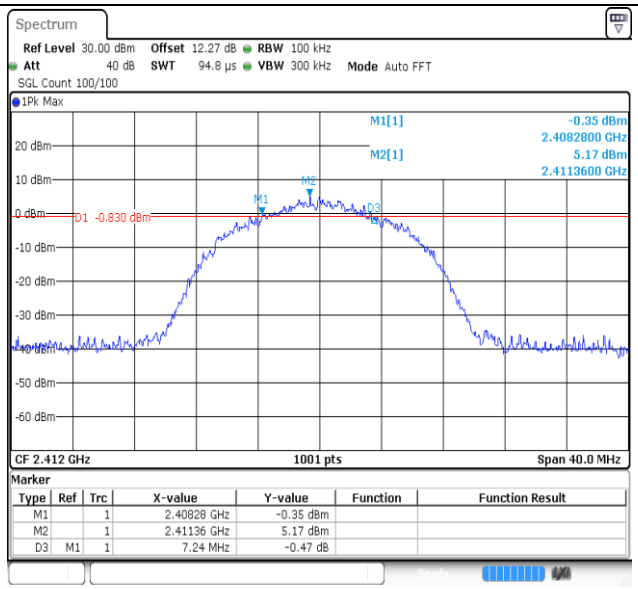
11N20SISO-2462-PASS

Appendix C: 6dB Bandwidth

Test Result

TestMode	Frequency[MHz]	6dB Bandwidth [MHz]	Limit[MHz]	Verdict
11B	2412	7.24	0.5	PASS
11B	2437	8.04	0.5	PASS
11B	2462	9.56	0.5	PASS
11G	2412	16.04	0.5	PASS
11G	2437	16.32	0.5	PASS
11G	2462	15.64	0.5	PASS
11N20SISO	2412	15.96	0.5	PASS
11N20SISO	2437	15.68	0.5	PASS
11N20SISO	2462	16.32	0.5	PASS

Test Graphs



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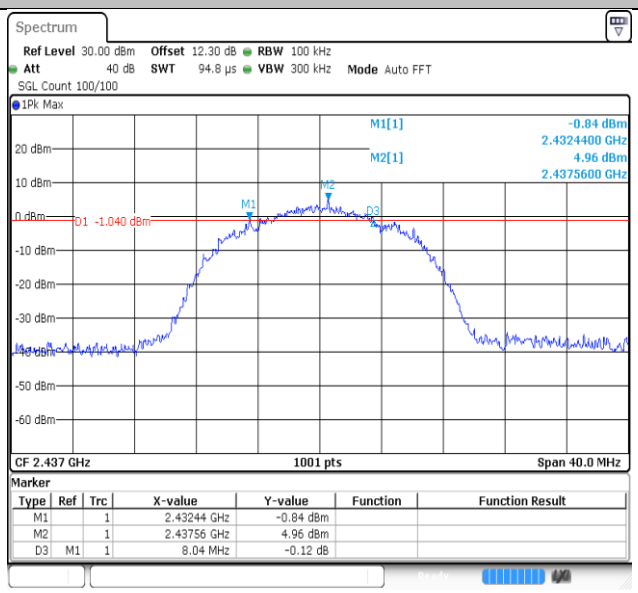

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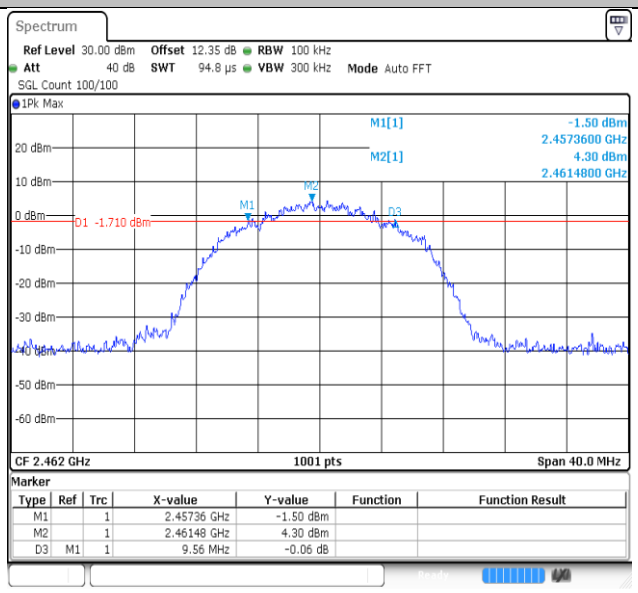

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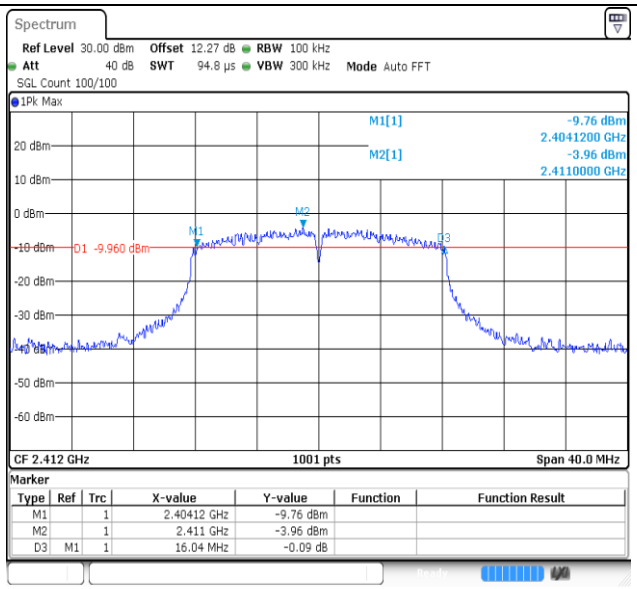

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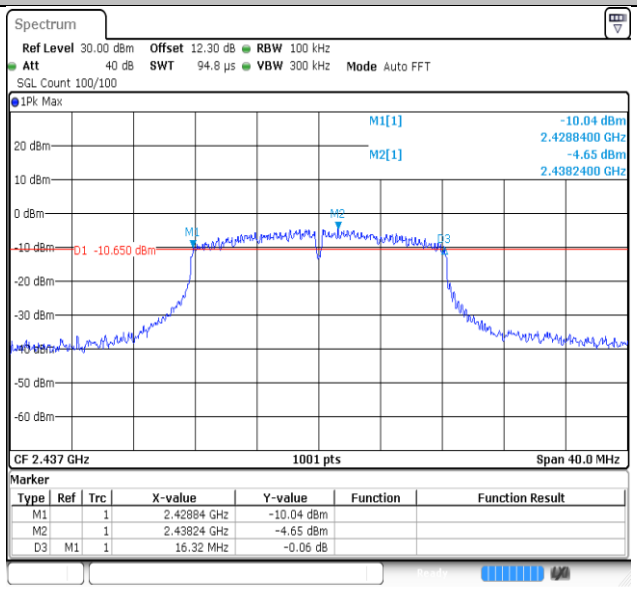
11G-2412-PASS



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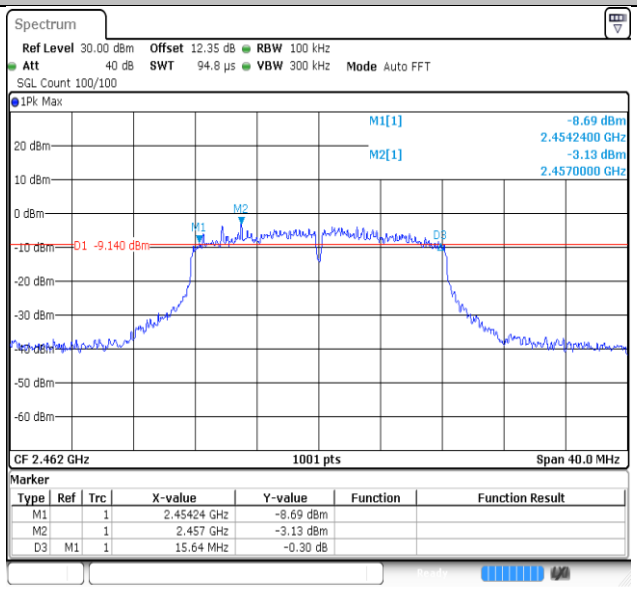

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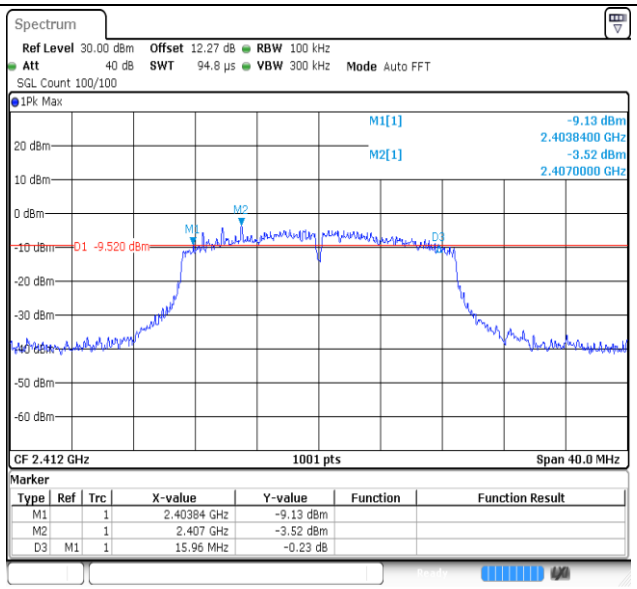

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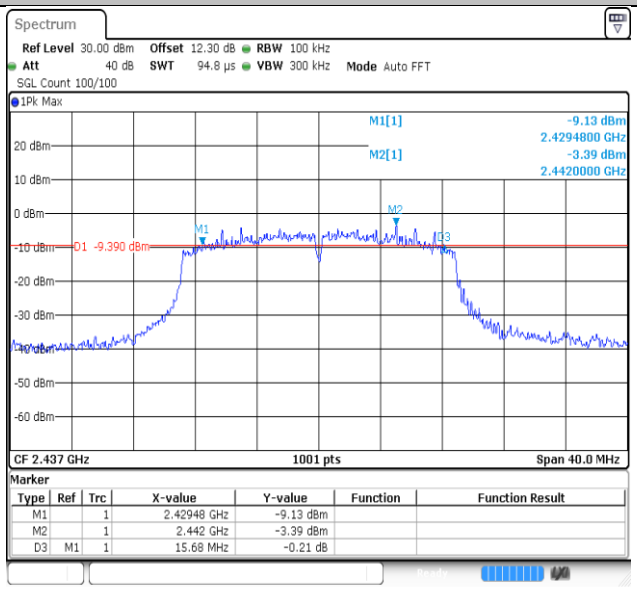

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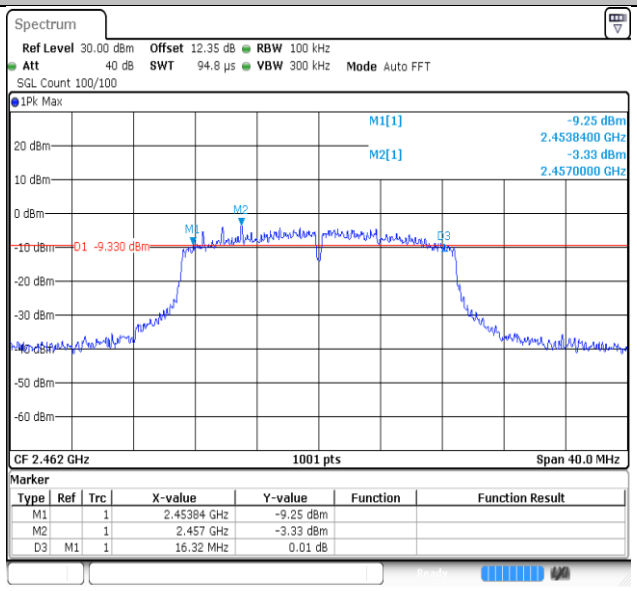

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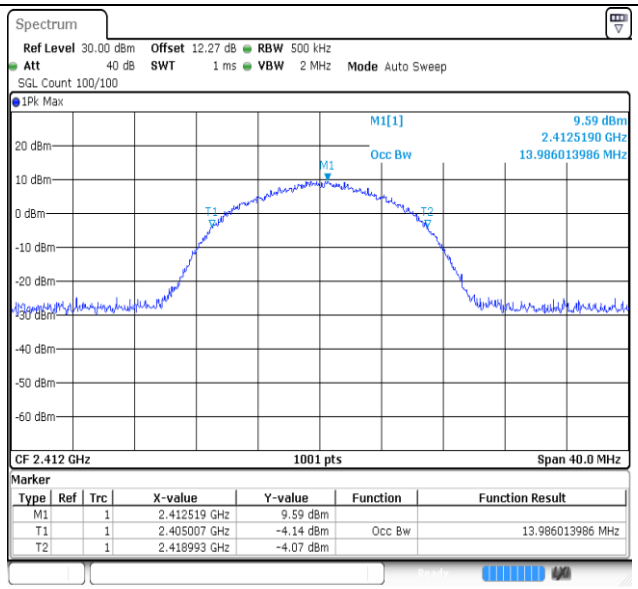
11N20SISO-2462-PASS

Appendix D: 99% Occupied Bandwidth

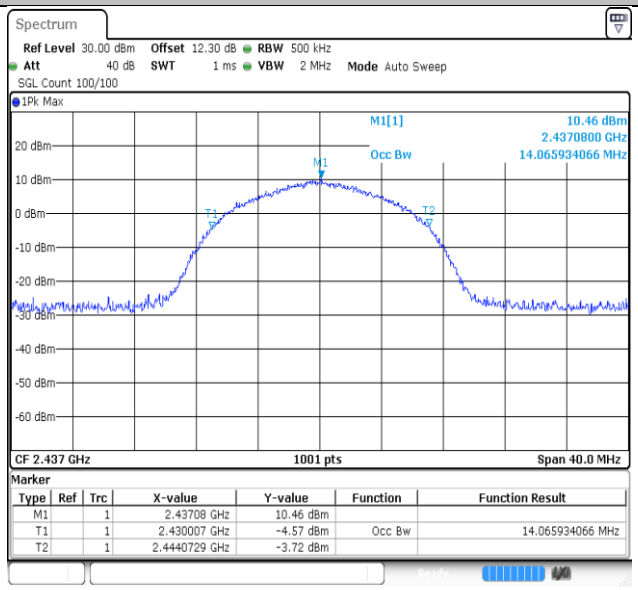
Test Result

TestMode	Channel Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
11B	2412	13.986	---	---
11B	2437	14.066	---	---
11B	2462	13.986	---	---
11G	2412	16.983	---	---
11G	2437	16.983	---	---
11G	2462	16.943	---	---
11N20SISO	2412	18.022	---	---
11N20SISO	2437	17.942	---	---
11N20SISO	2462	18.062	---	---

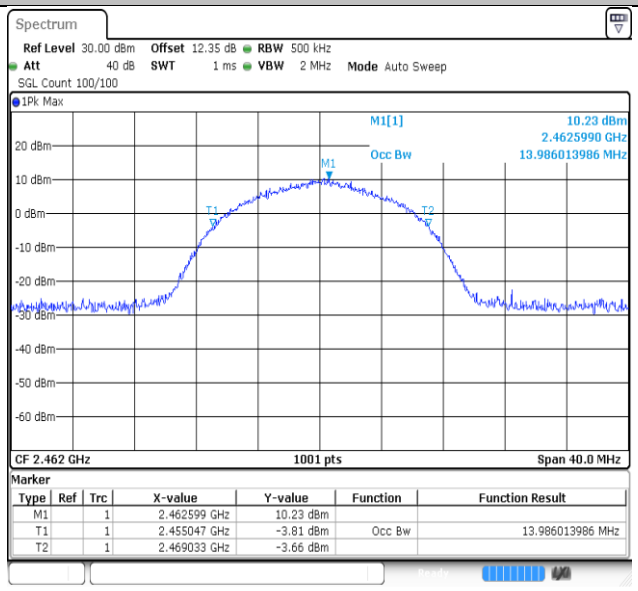
Test Graphs



11B-2412



11B-2437



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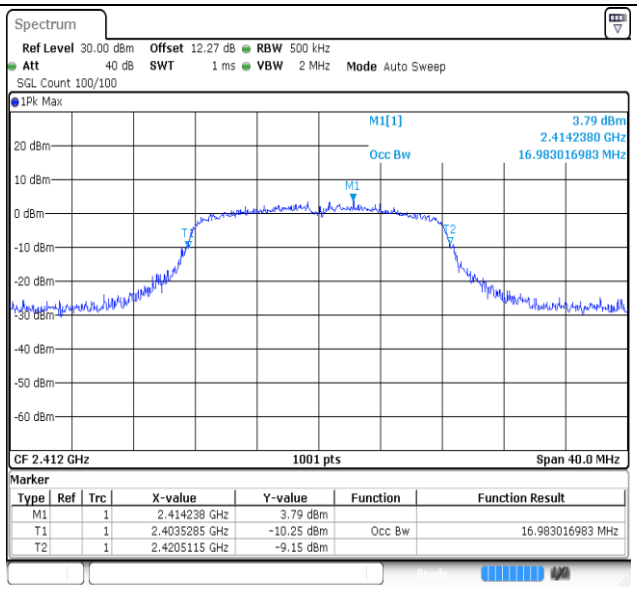
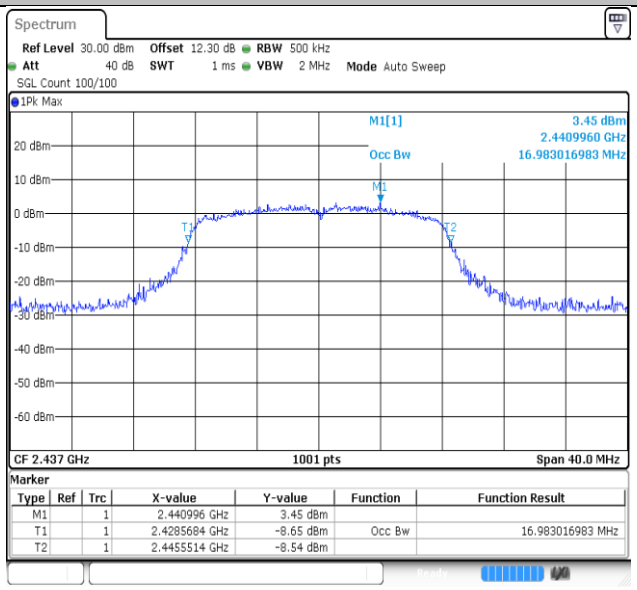


11G-2412



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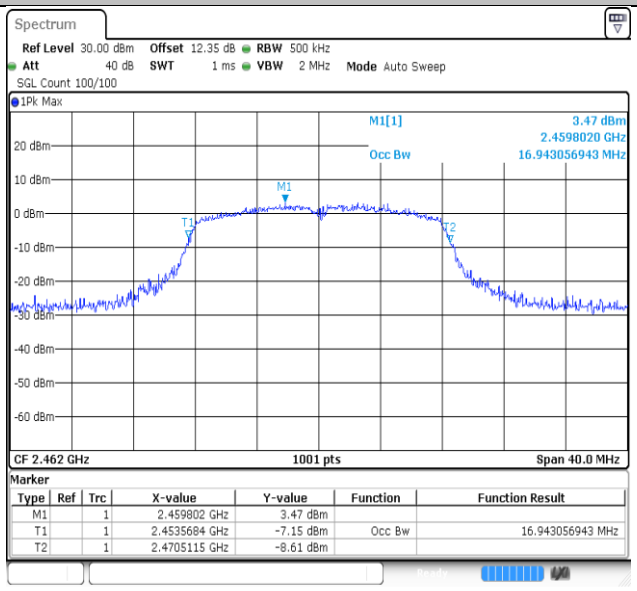

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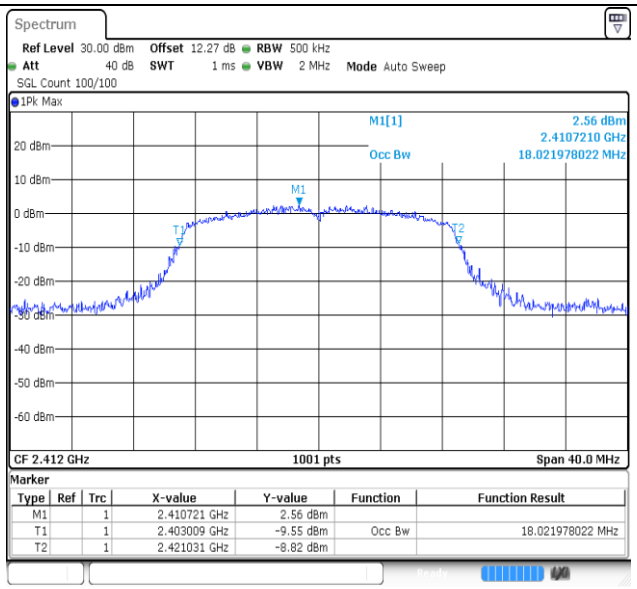

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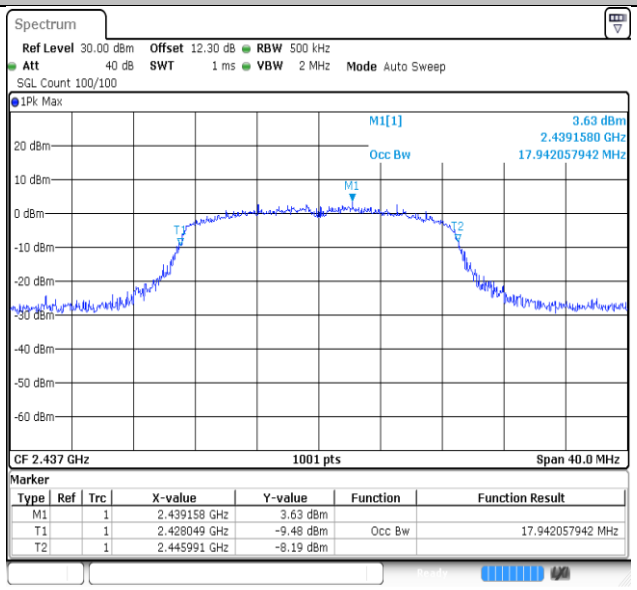
11N20SISO-2412



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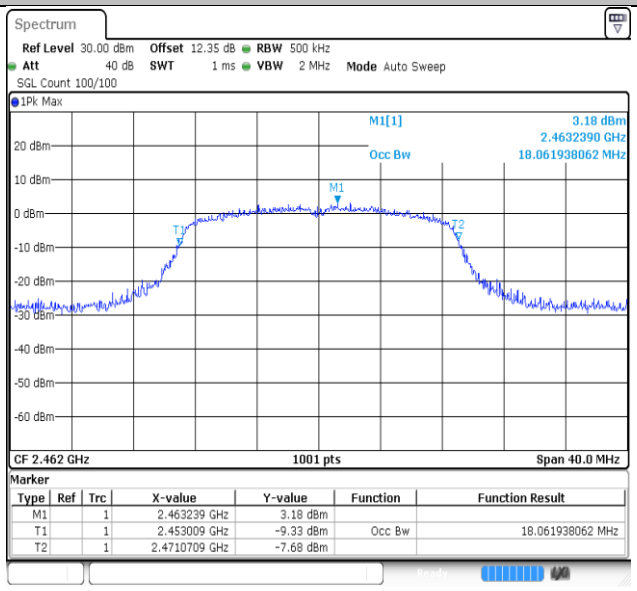

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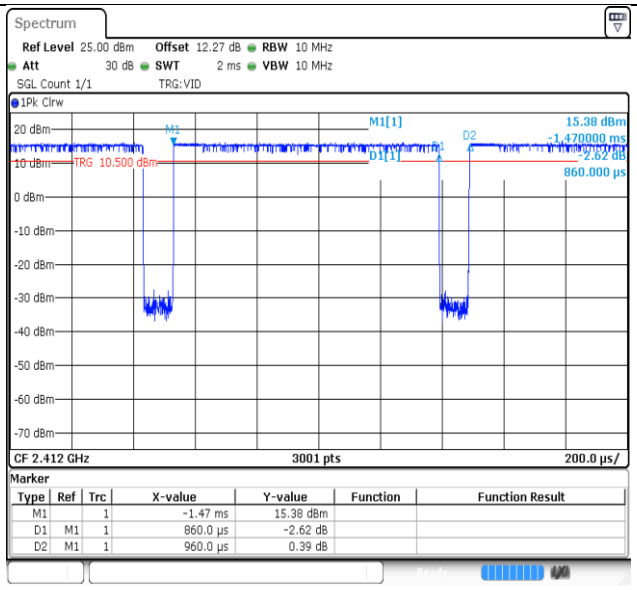
11N20SISO-2462

Appendix E: Duty Cycle

Test Result

TestMode	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	2412	0.86	0.96	89.58	0.48
11B	2437	0.86	0.95	90.53	0.43
11B	2462	0.87	0.96	90.63	0.43
11G	2412	1.43	1.53	93.46	0.29
11G	2437	1.43	1.53	93.46	0.29
11G	2462	1.42	1.52	93.42	0.30
11N20SISO	2412	1.34	1.44	93.06	0.31
11N20SISO	2437	1.34	1.44	93.06	0.31
11N20SISO	2462	1.33	1.43	93.01	0.31

Test Graphs



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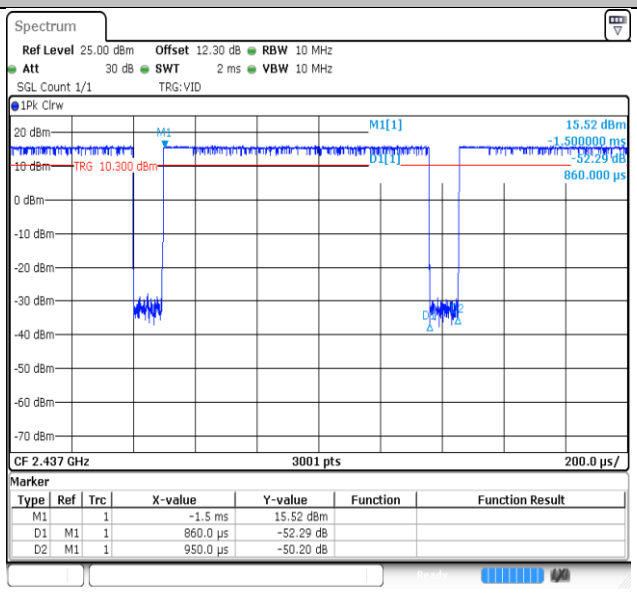
NTNV-11B-2412



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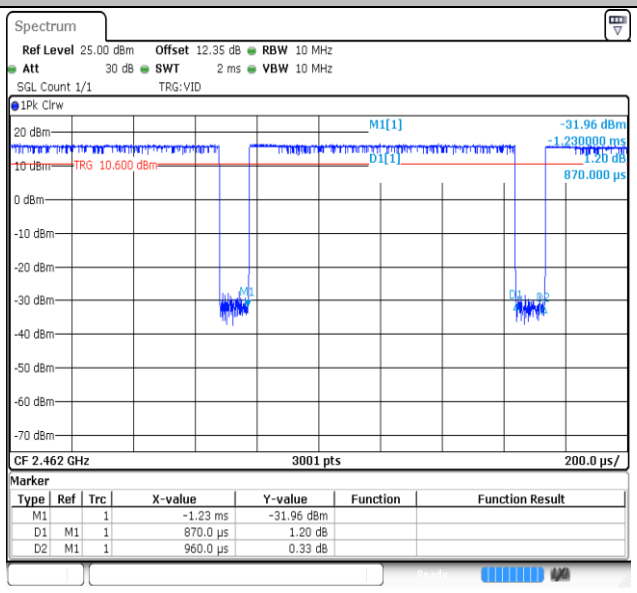
NTNV-11B-2437



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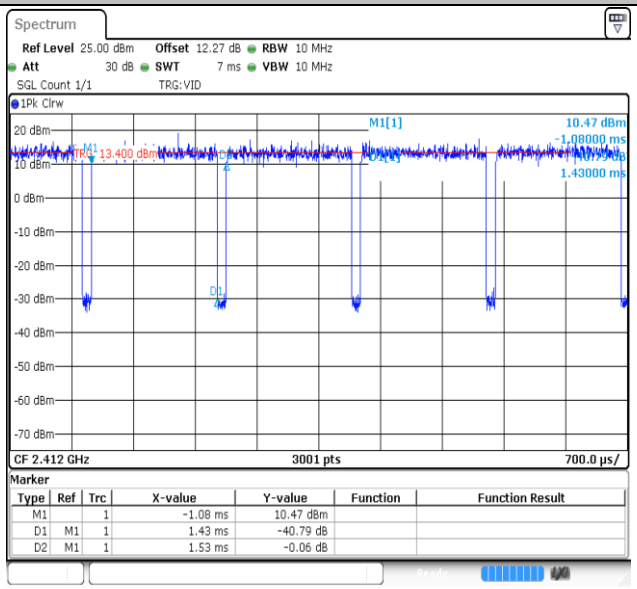
NTNV-11B-2462



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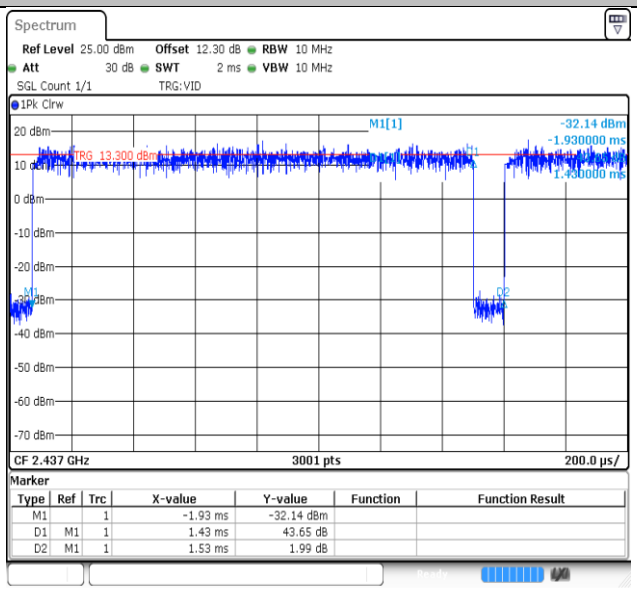
NTNV-11G-2412



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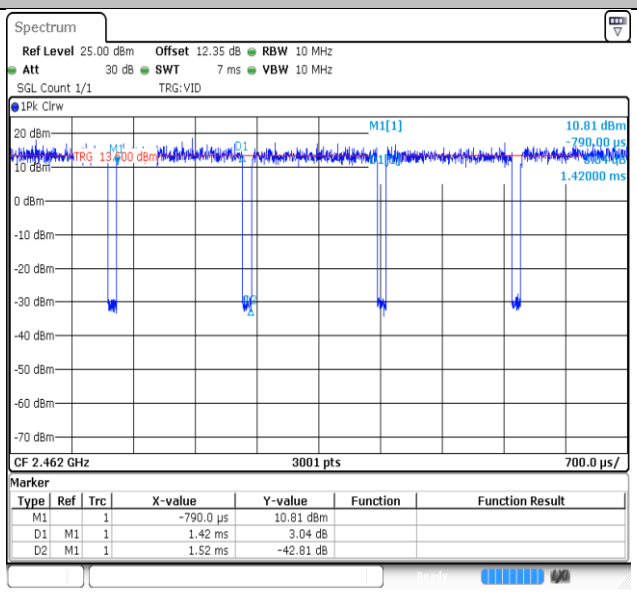

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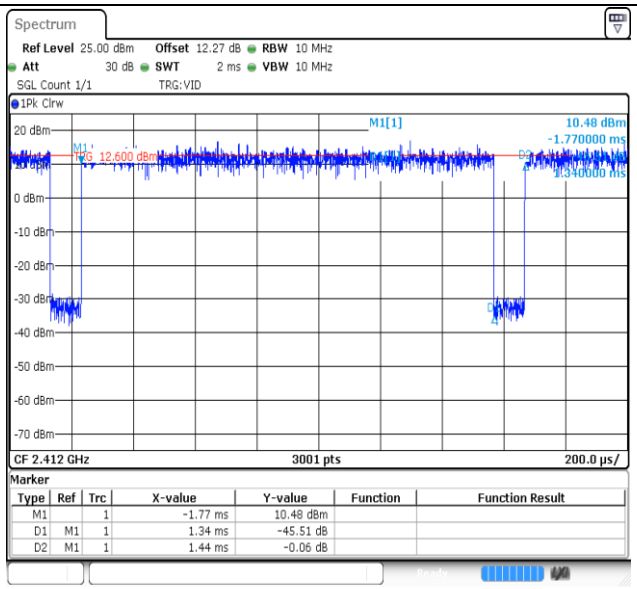
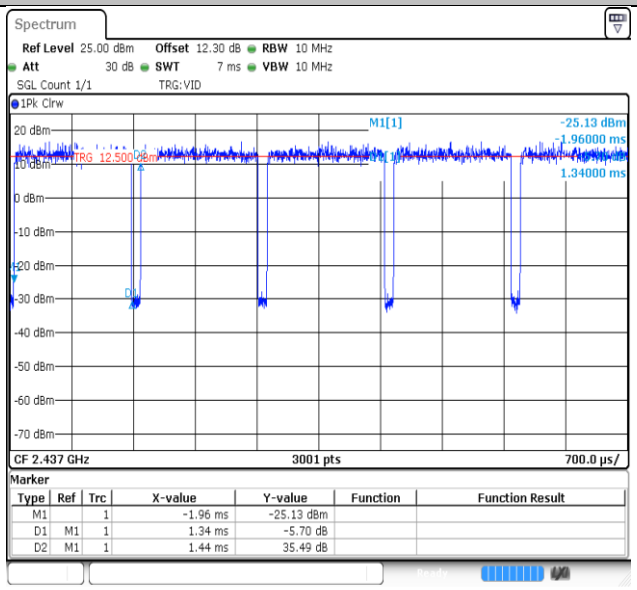
NTNV-11G-2462



NTNV-11N20SISO-2412



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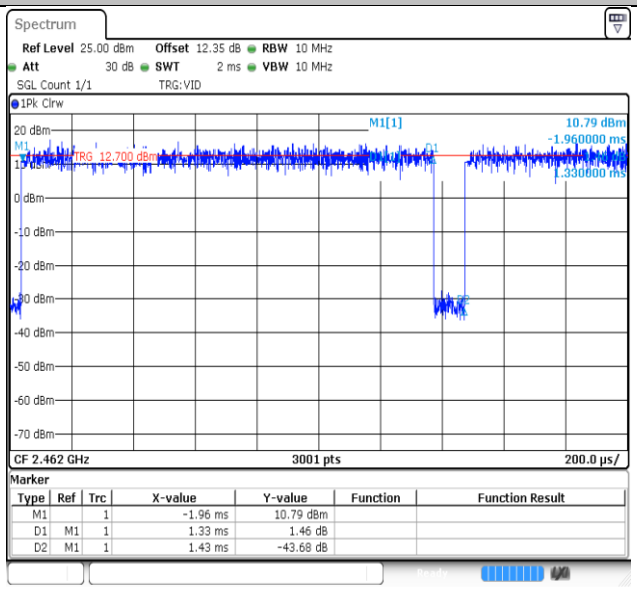
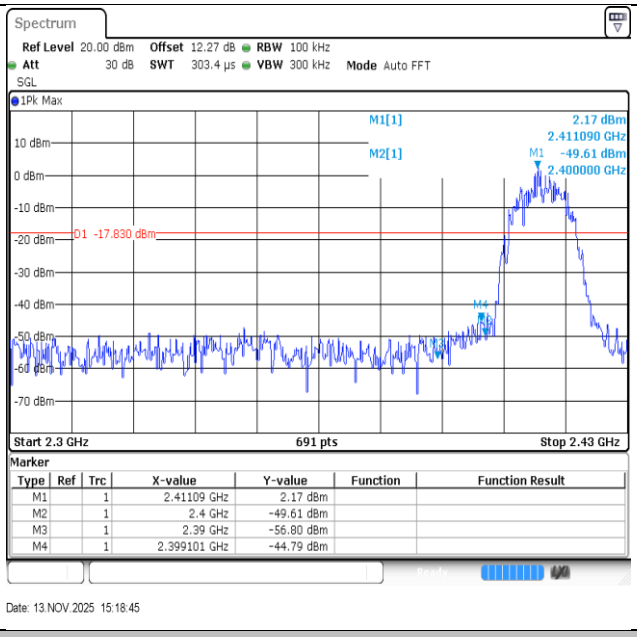


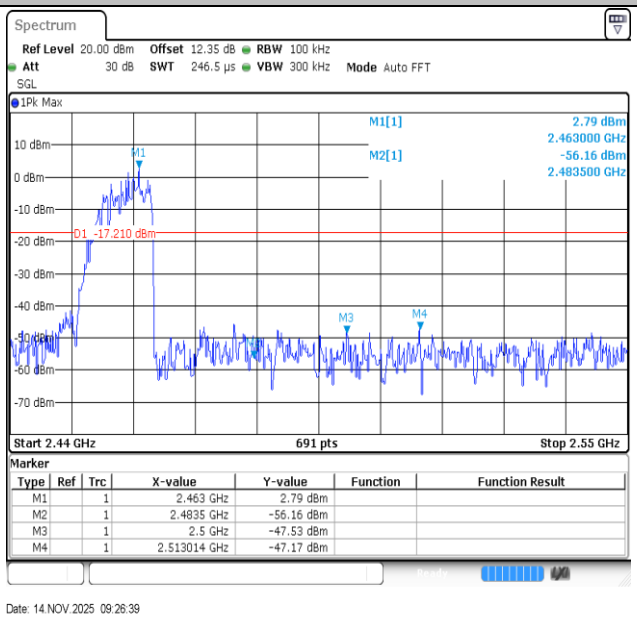
NTNV-11N20SISO-2462

Appendix F: Band edge and Spurious Emission(Conducted)

Test Graphs



11B-2412-PASS



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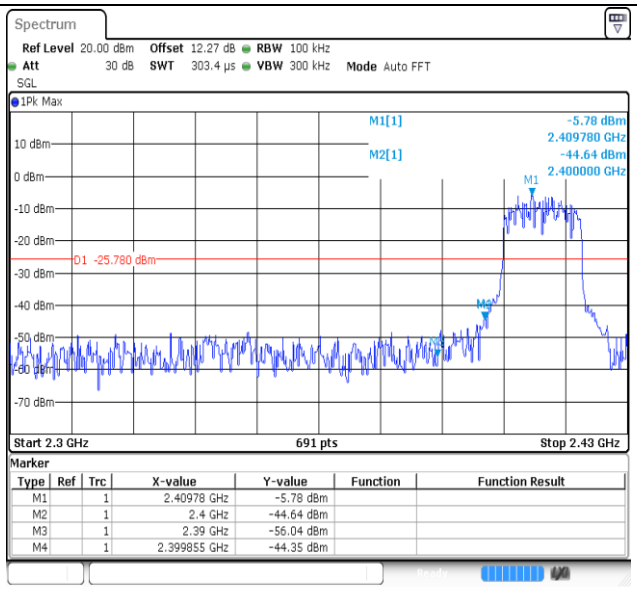

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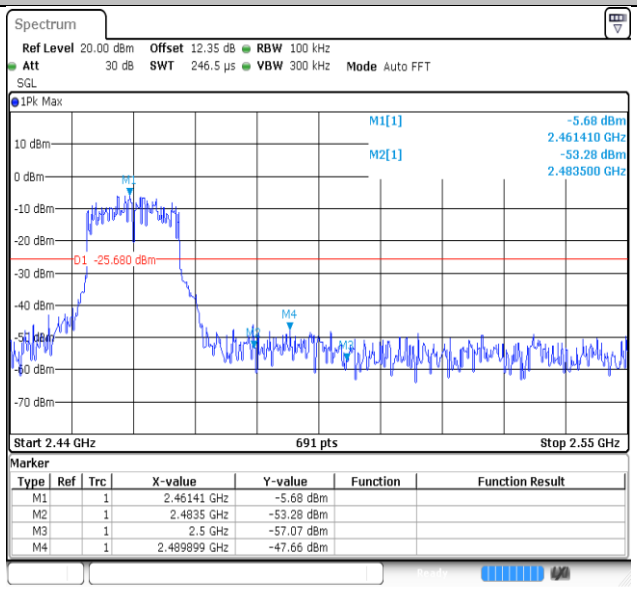

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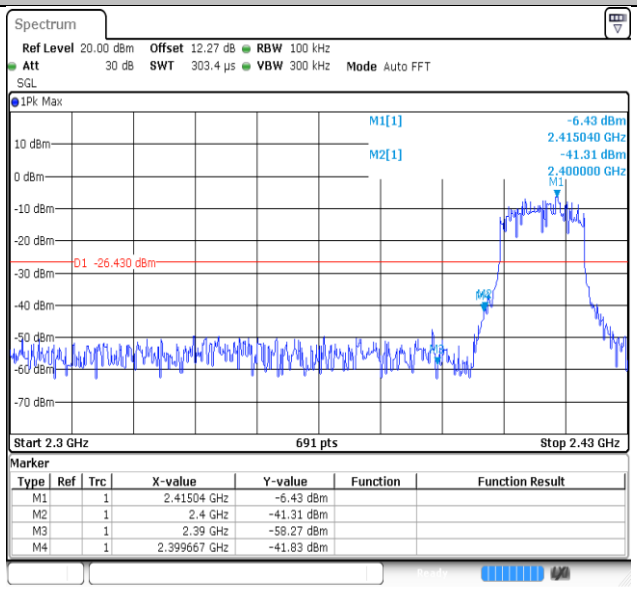

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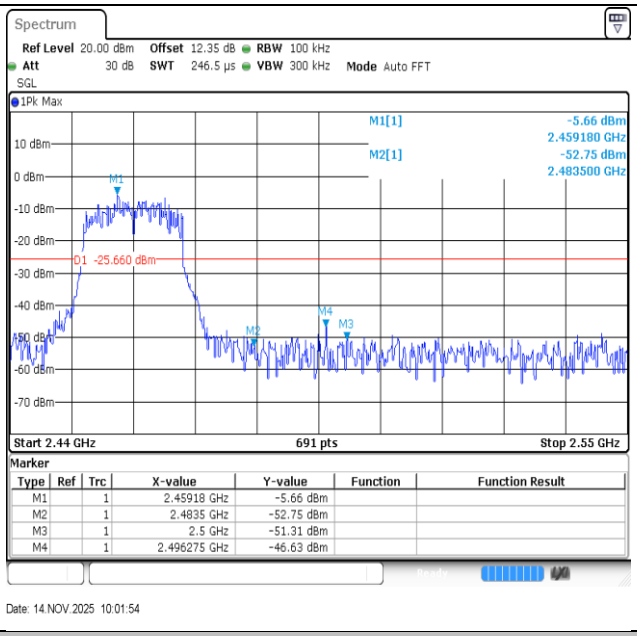

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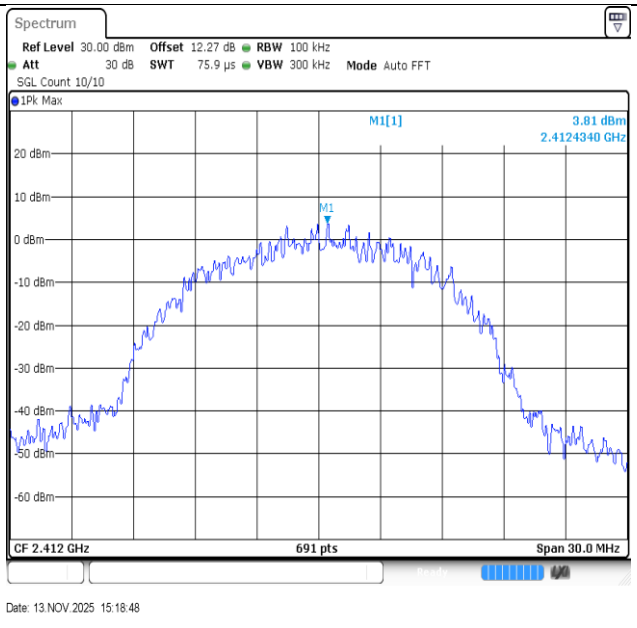

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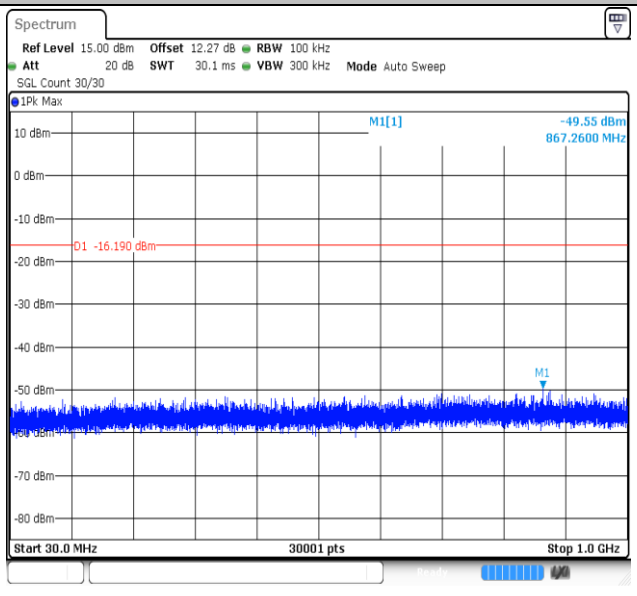

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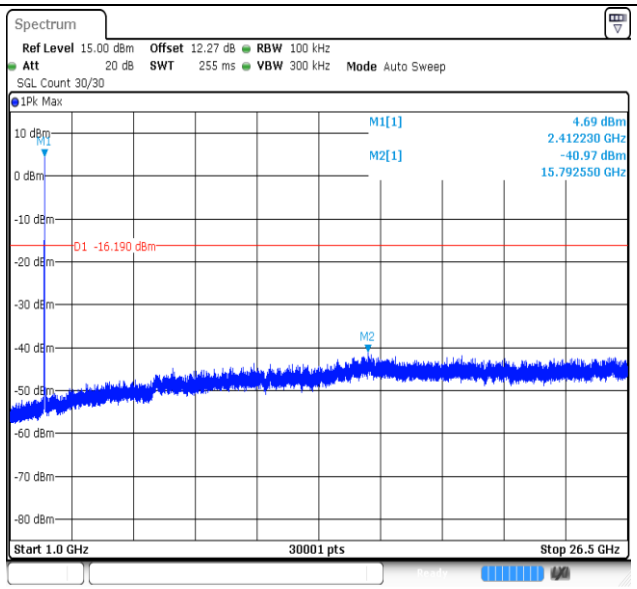

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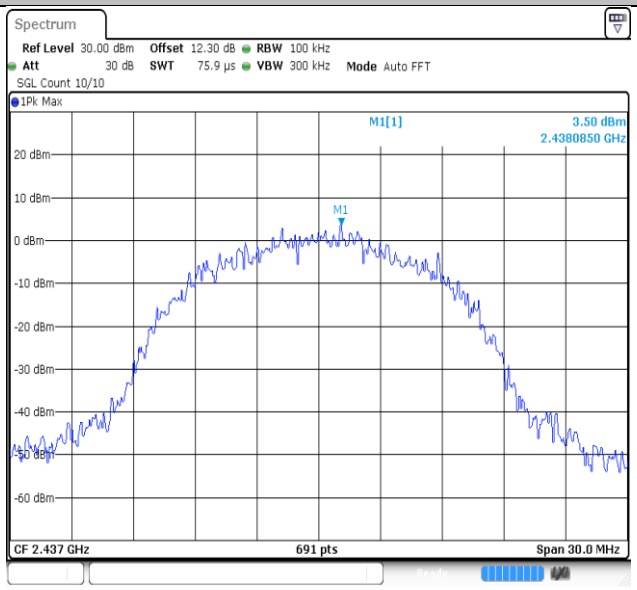

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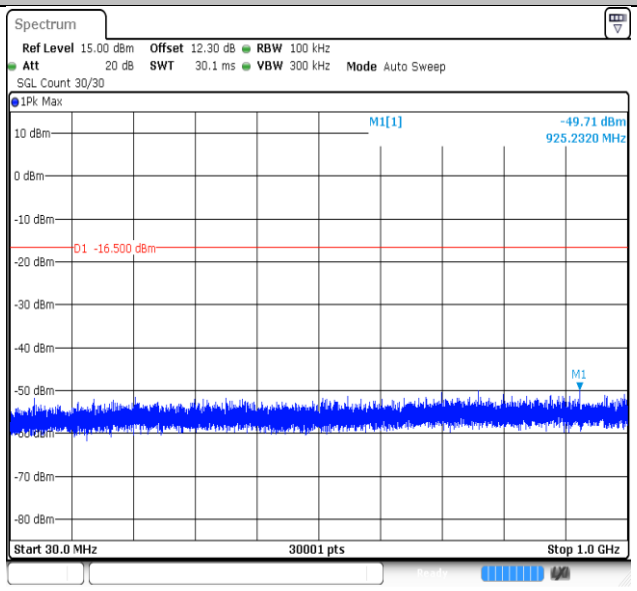

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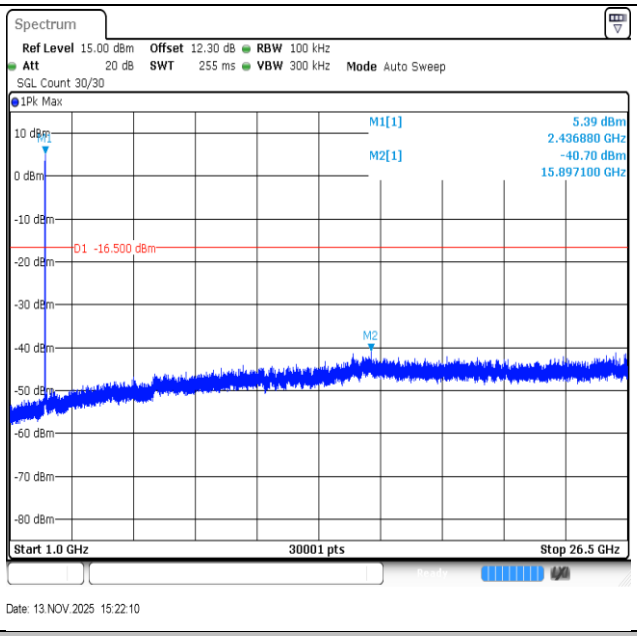

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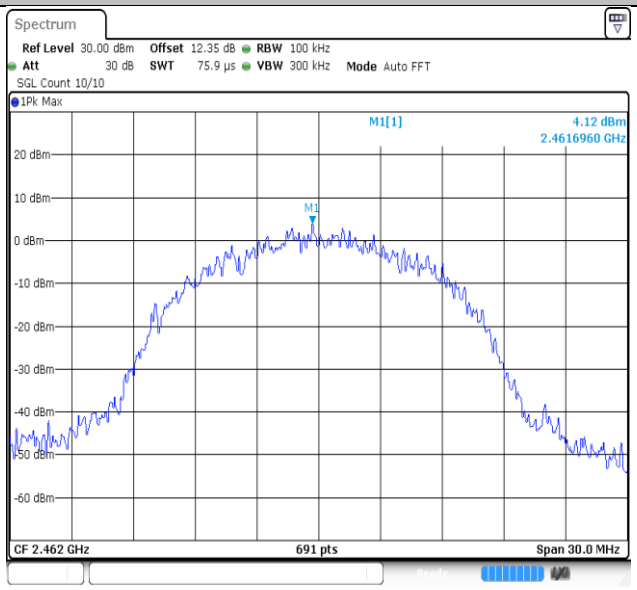

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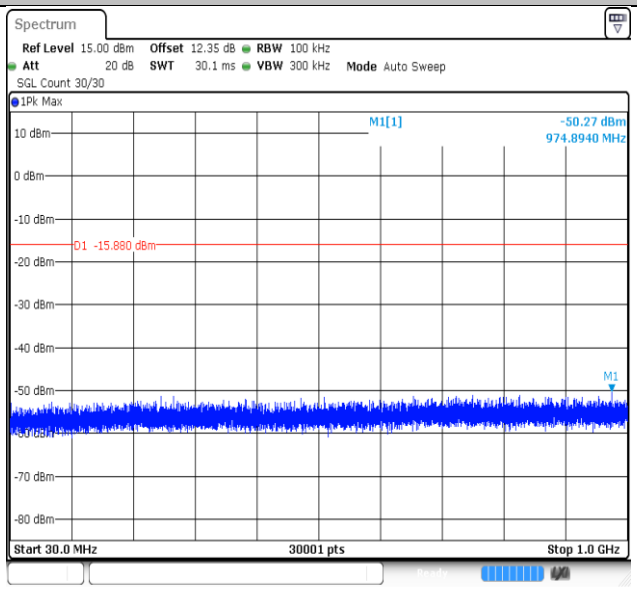

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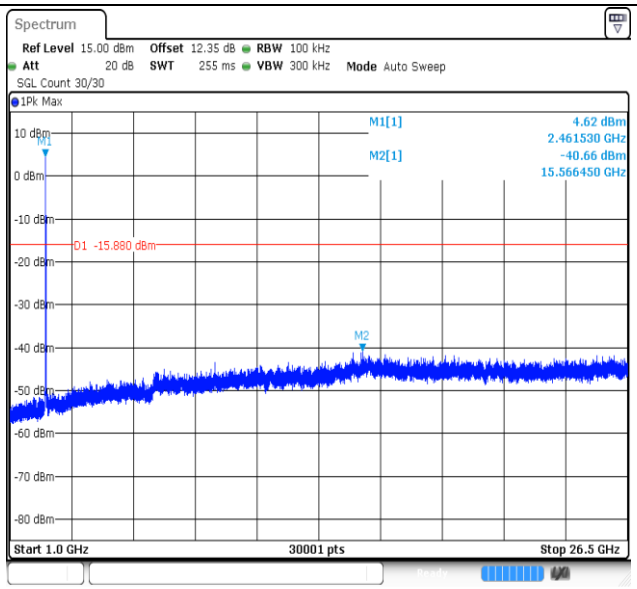

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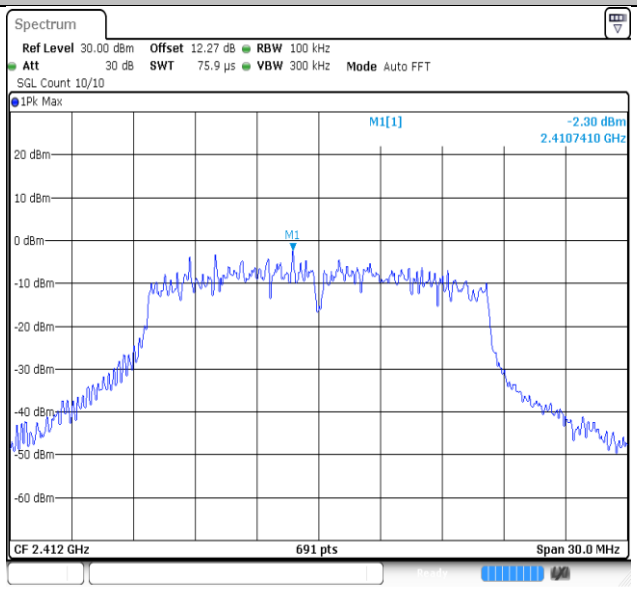

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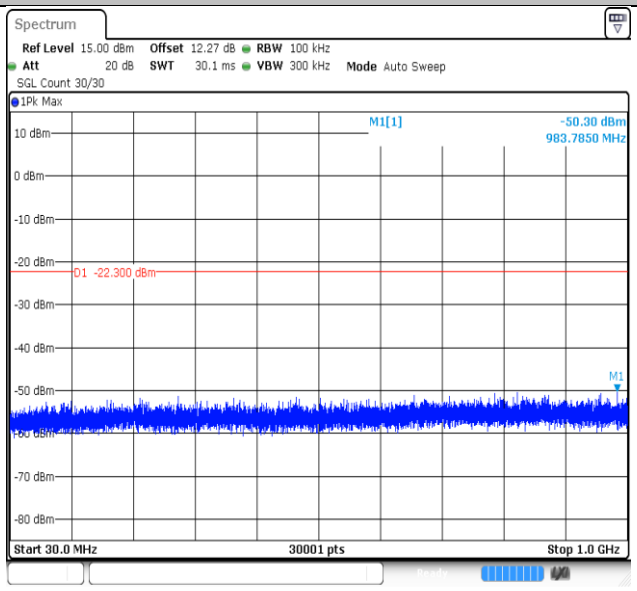

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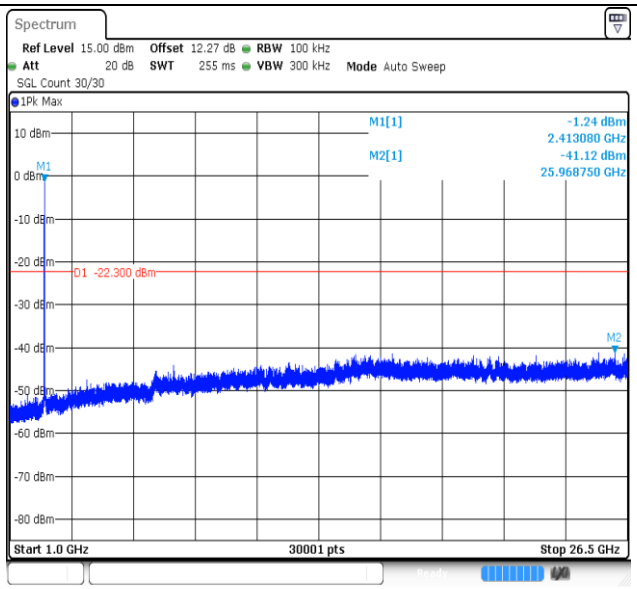

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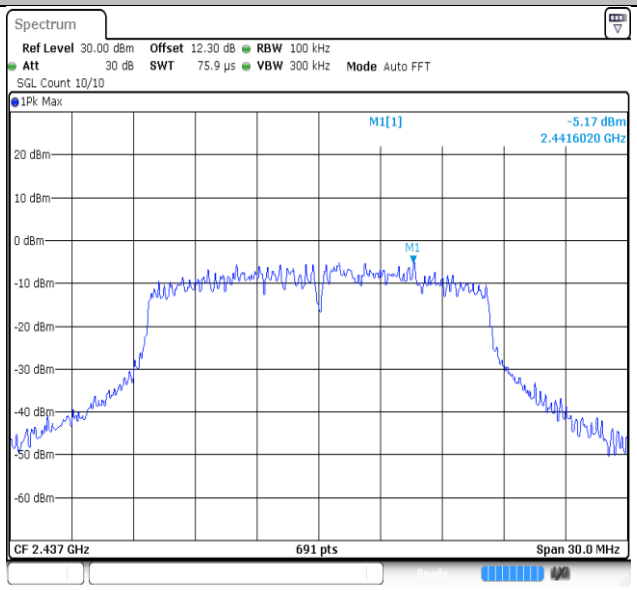

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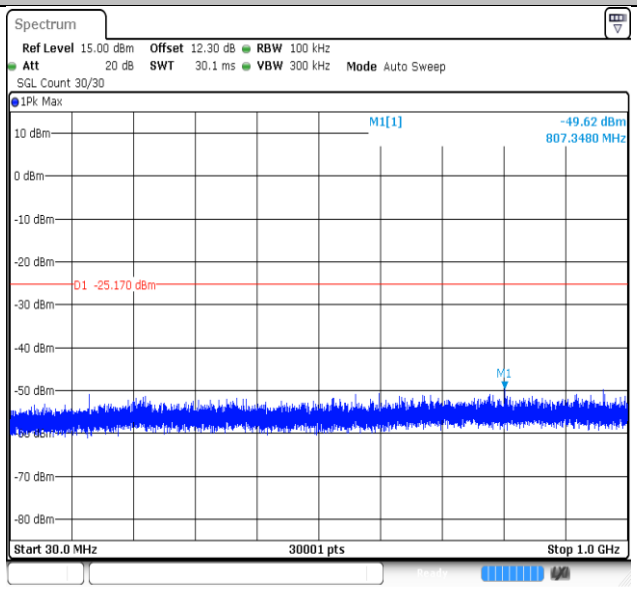

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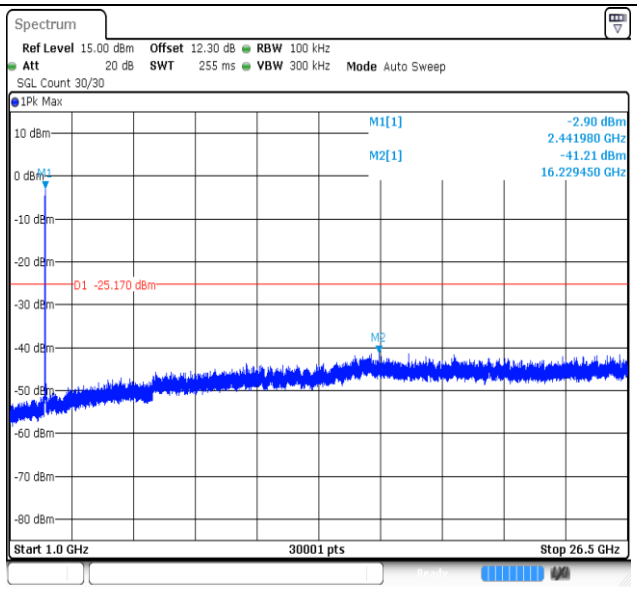

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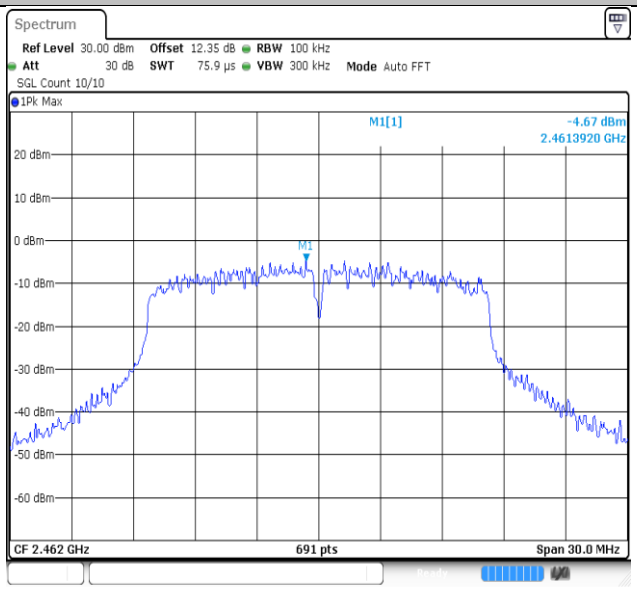

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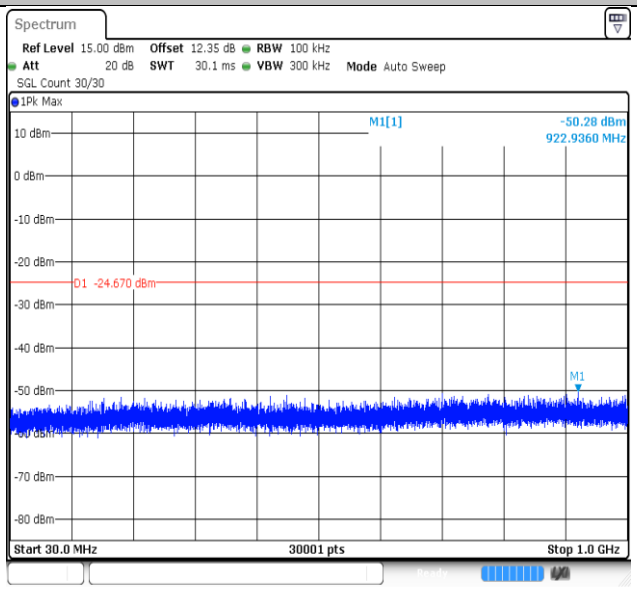

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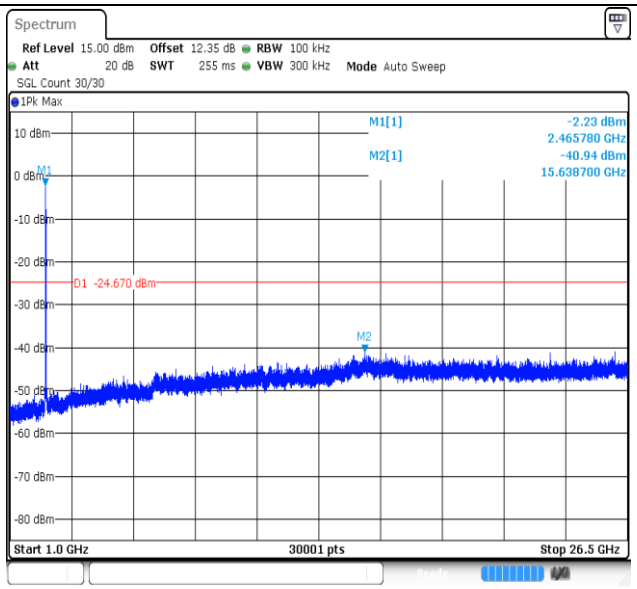

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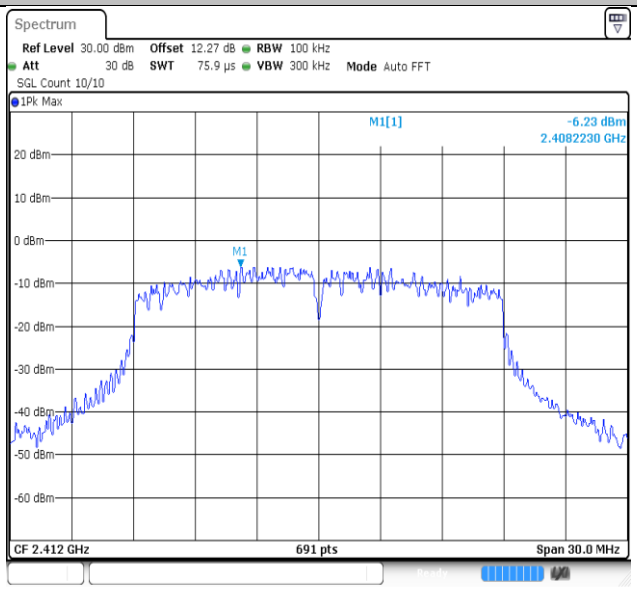

Date: 14.NOV.2025 09:41:28

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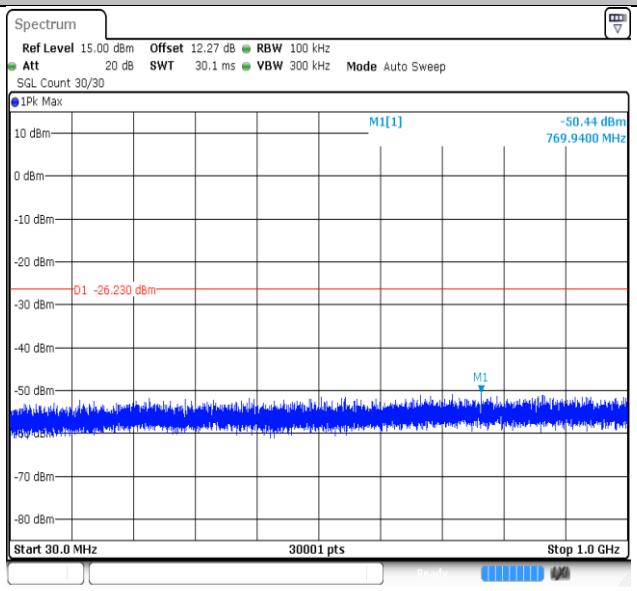

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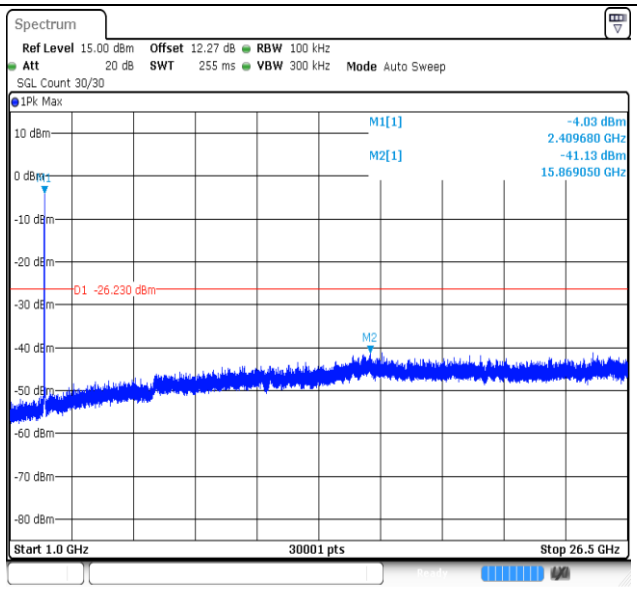
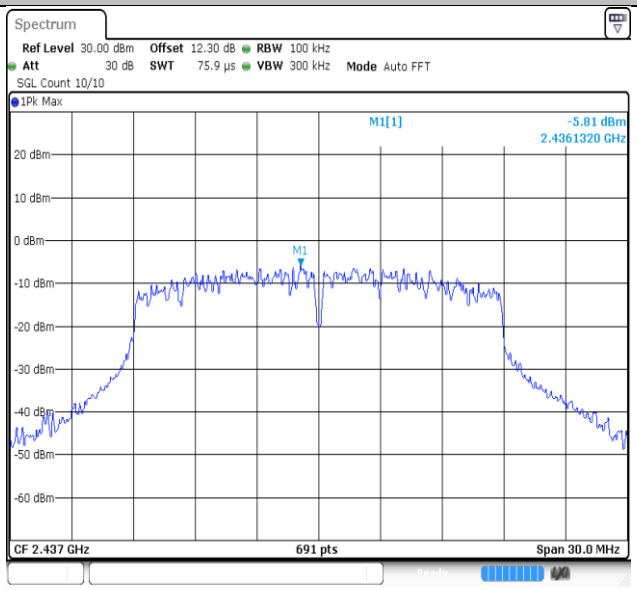


Date: 14.NOV.2025 09:42:00

11N20SISO-2412-1000~26500-PASS



Date: 14.NOV.2025 09:43:26

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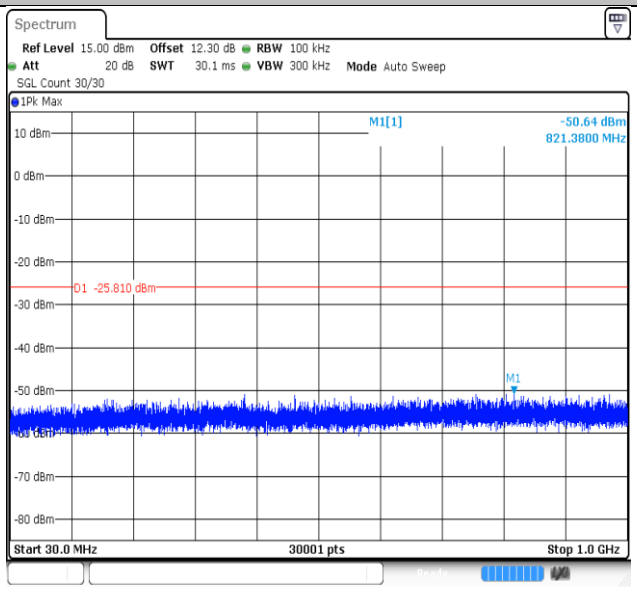

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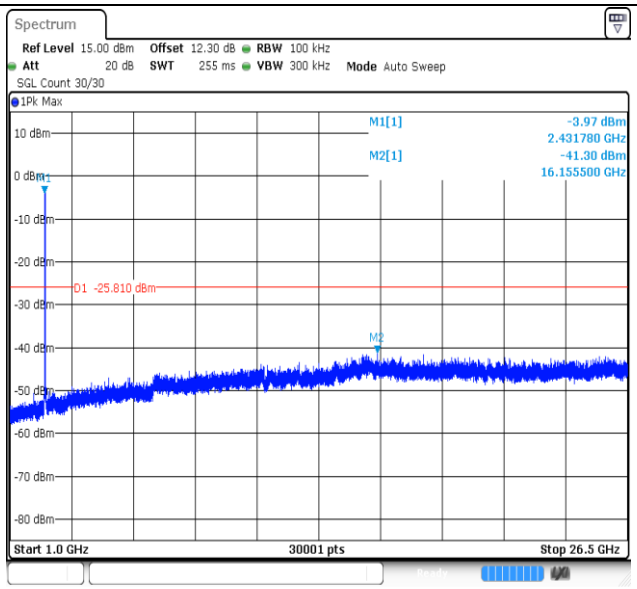

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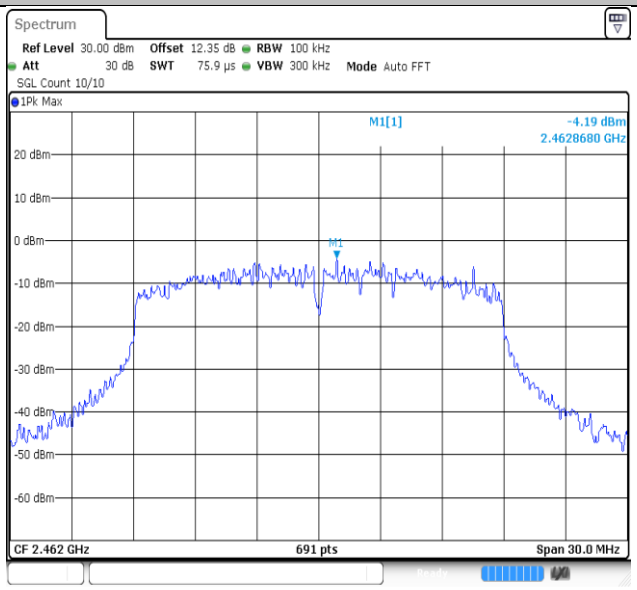

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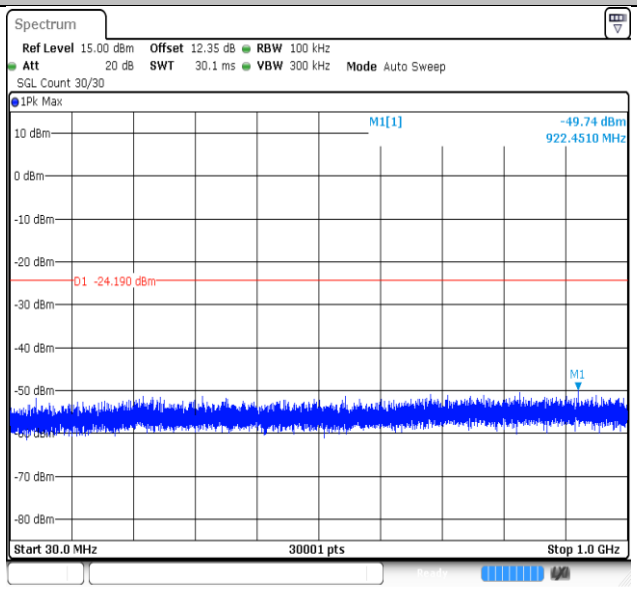

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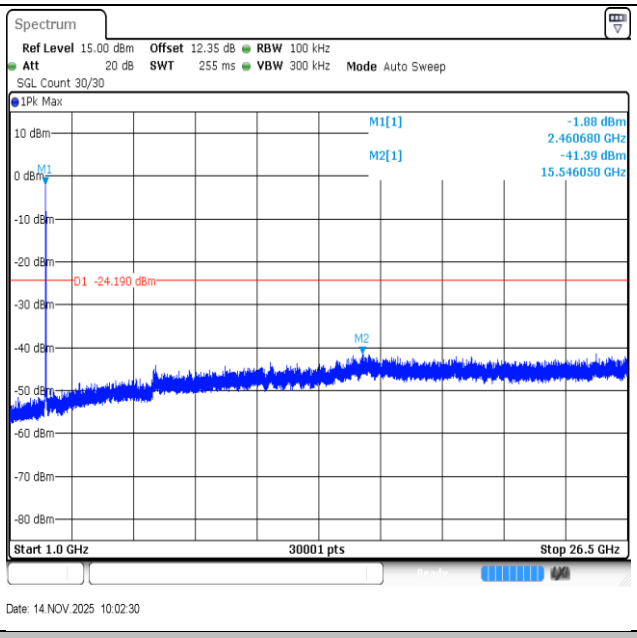

11N20SISO-2462-1000~26500-PASS

--------End of Report--------