

Appendix Test Data

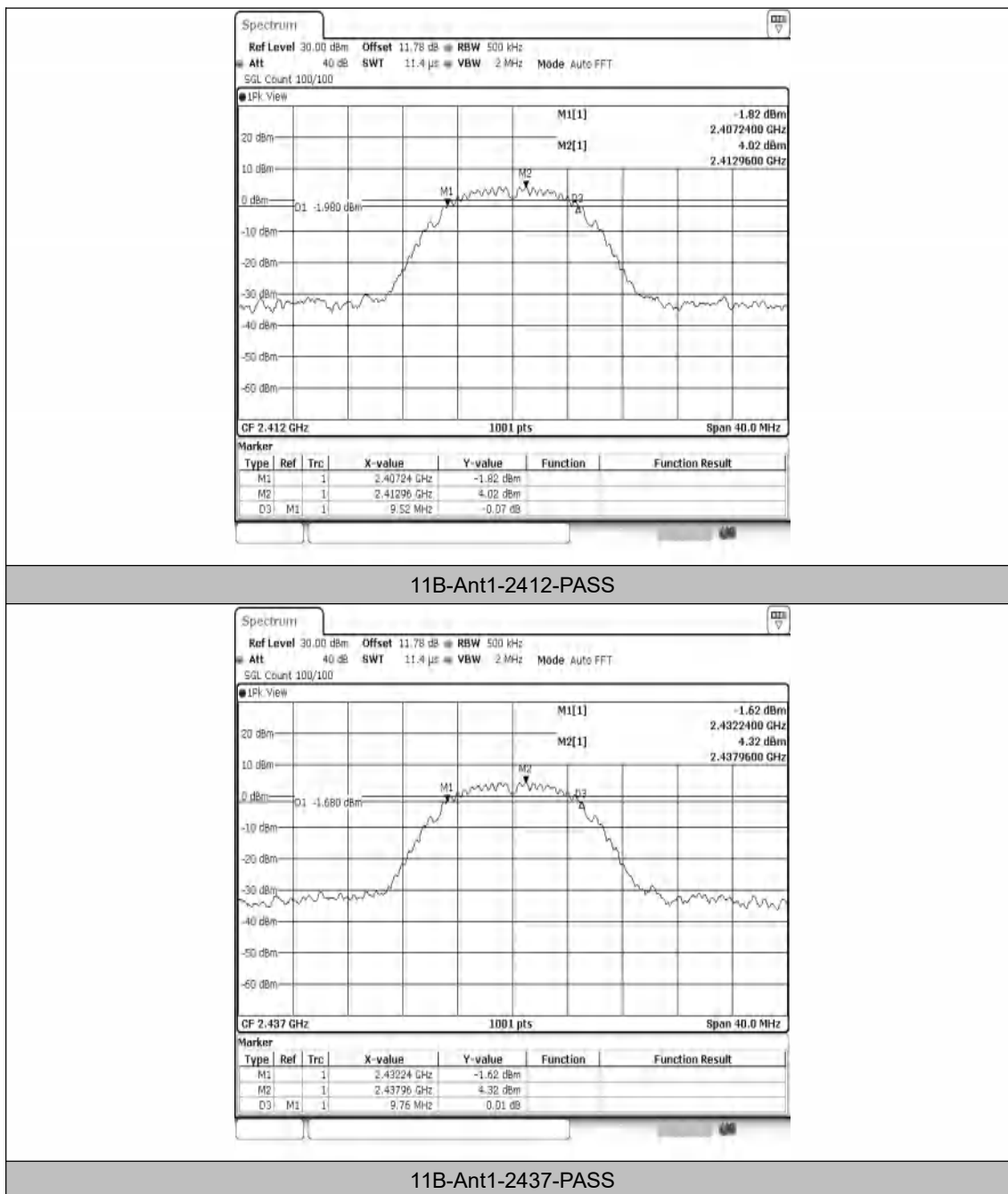
Report No.:	1812C40190212501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.20	Finish Test Date:	2024.12.31
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.8°C	Relative Humidity:	55%
Pressure:	101kPa		

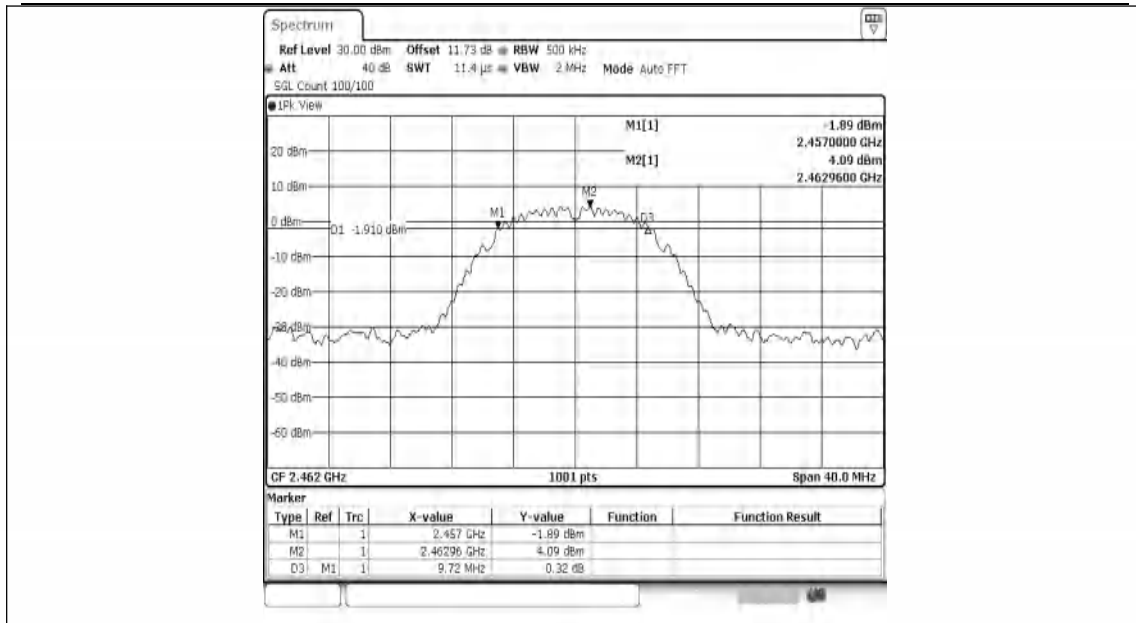
Appendix A: 6dB Bandwidth

Test Result

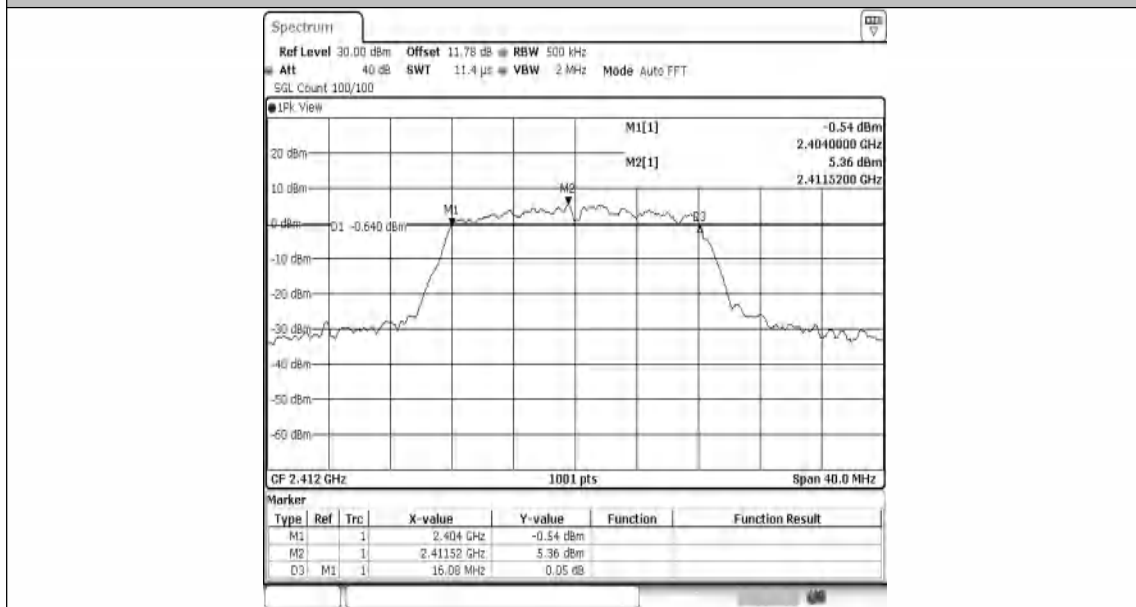
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.52	2407.24	2416.76	0.5	PASS
11B	Ant1	2437	9.76	2432.24	2442.00	0.5	PASS
11B	Ant1	2462	9.72	2457.00	2466.72	0.5	PASS
11G	Ant1	2412	16.08	2404.00	2420.08	0.5	PASS
11G	Ant1	2437	16.08	2428.96	2445.04	0.5	PASS
11G	Ant1	2462	15.96	2454.08	2470.04	0.5	PASS
11N20SISO	Ant1	2412	17.24	2403.40	2420.64	0.5	PASS
11N20SISO	Ant1	2437	17.24	2428.36	2445.60	0.5	PASS
11N20SISO	Ant1	2462	17.44	2453.32	2470.76	0.5	PASS
11N40SISO	Ant1	2422	36.08	2403.92	2440.00	0.5	PASS
11N40SISO	Ant1	2437	35.92	2419.08	2455.00	0.5	PASS
11N40SISO	Ant1	2452	35.92	2434.08	2470.00	0.5	PASS

Test Graphs

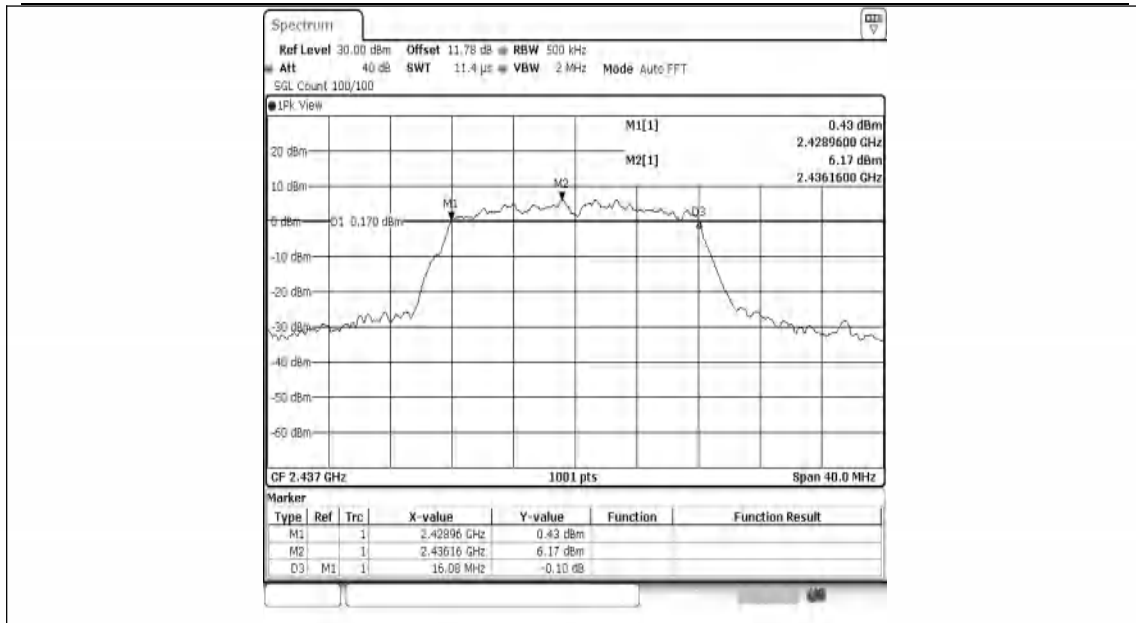




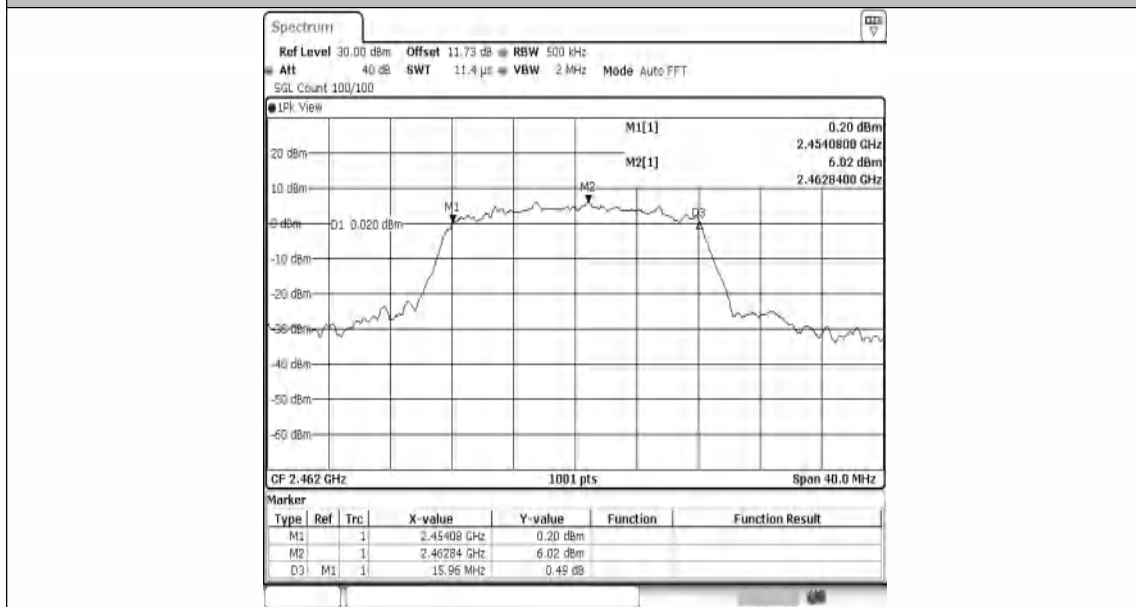
11B-Ant1-2462-PASS



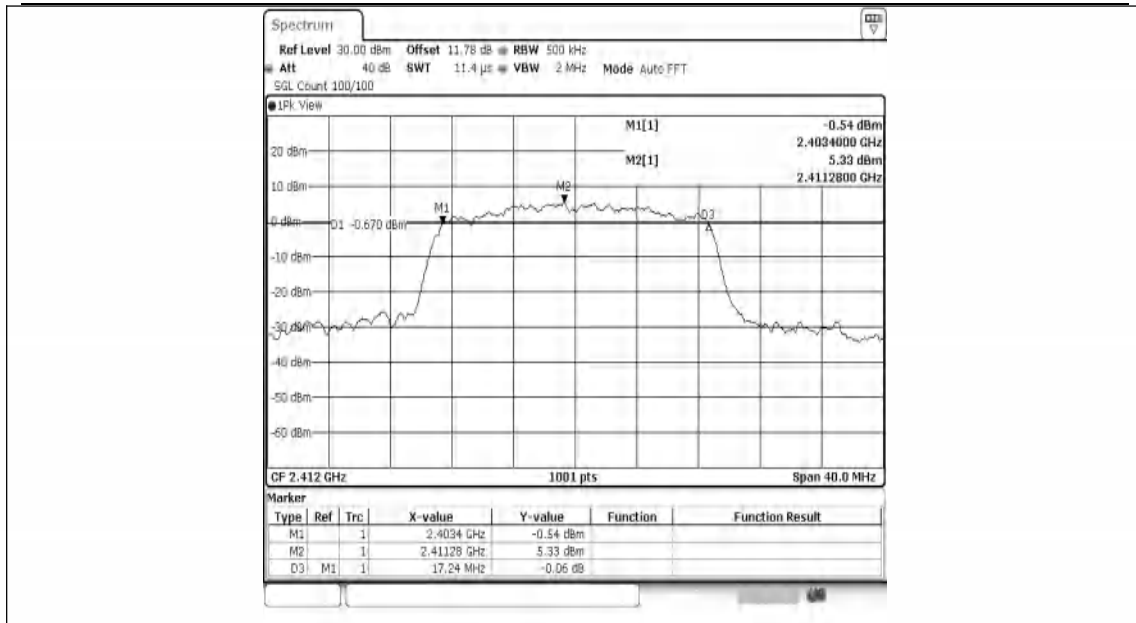
11G-Ant1-2412-PASS



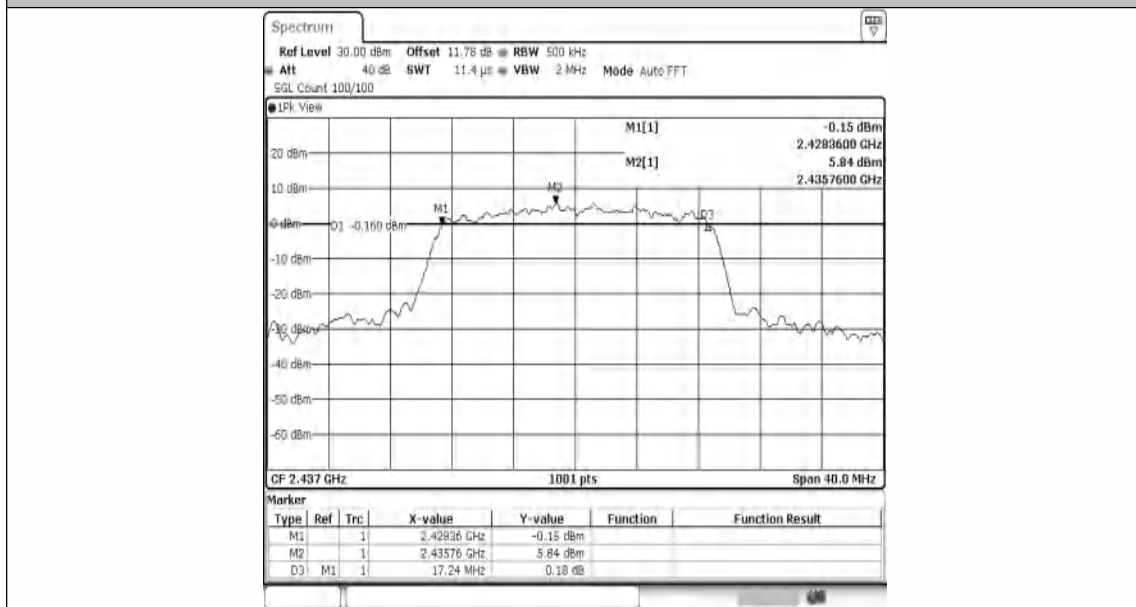
11G-Ant1-2437-PASS



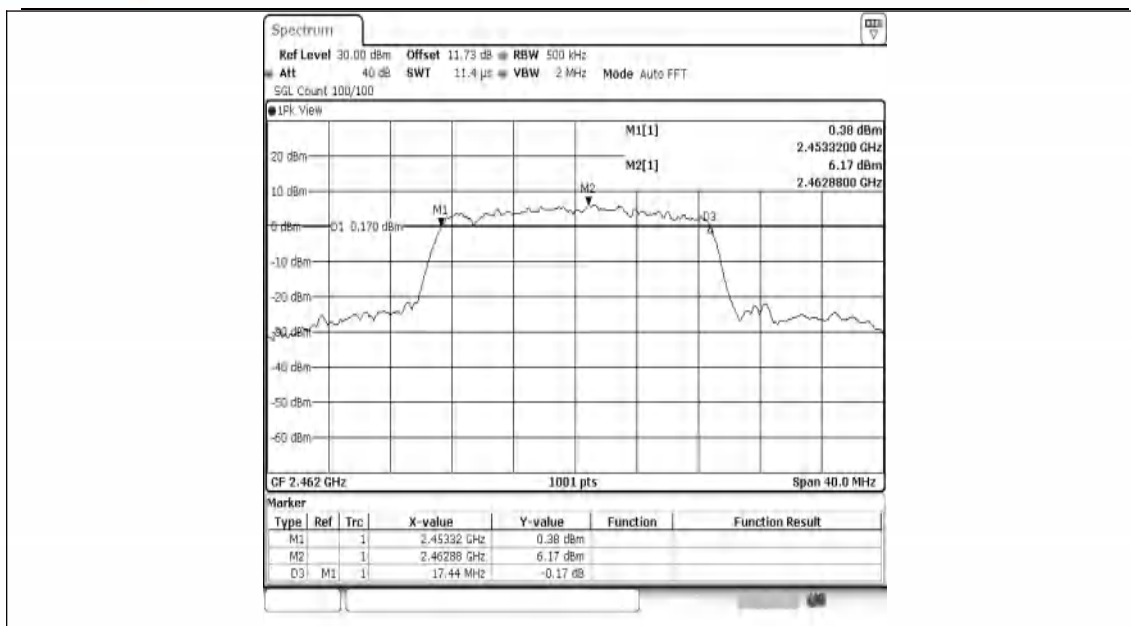
11G-Ant1-2462-PASS



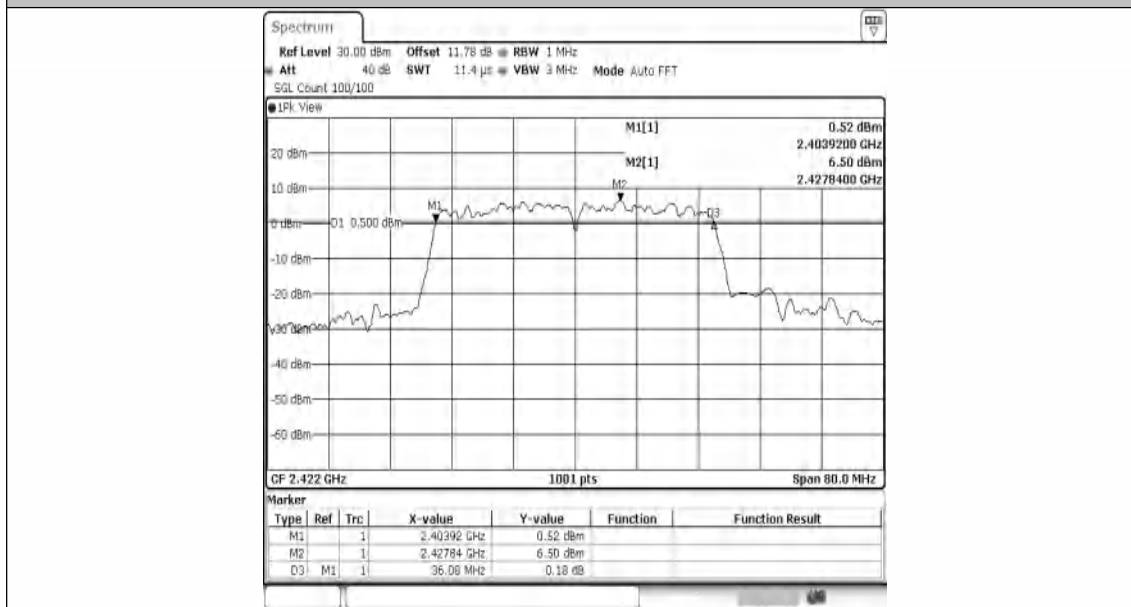
11N20SISO-Ant1-2412-PASS



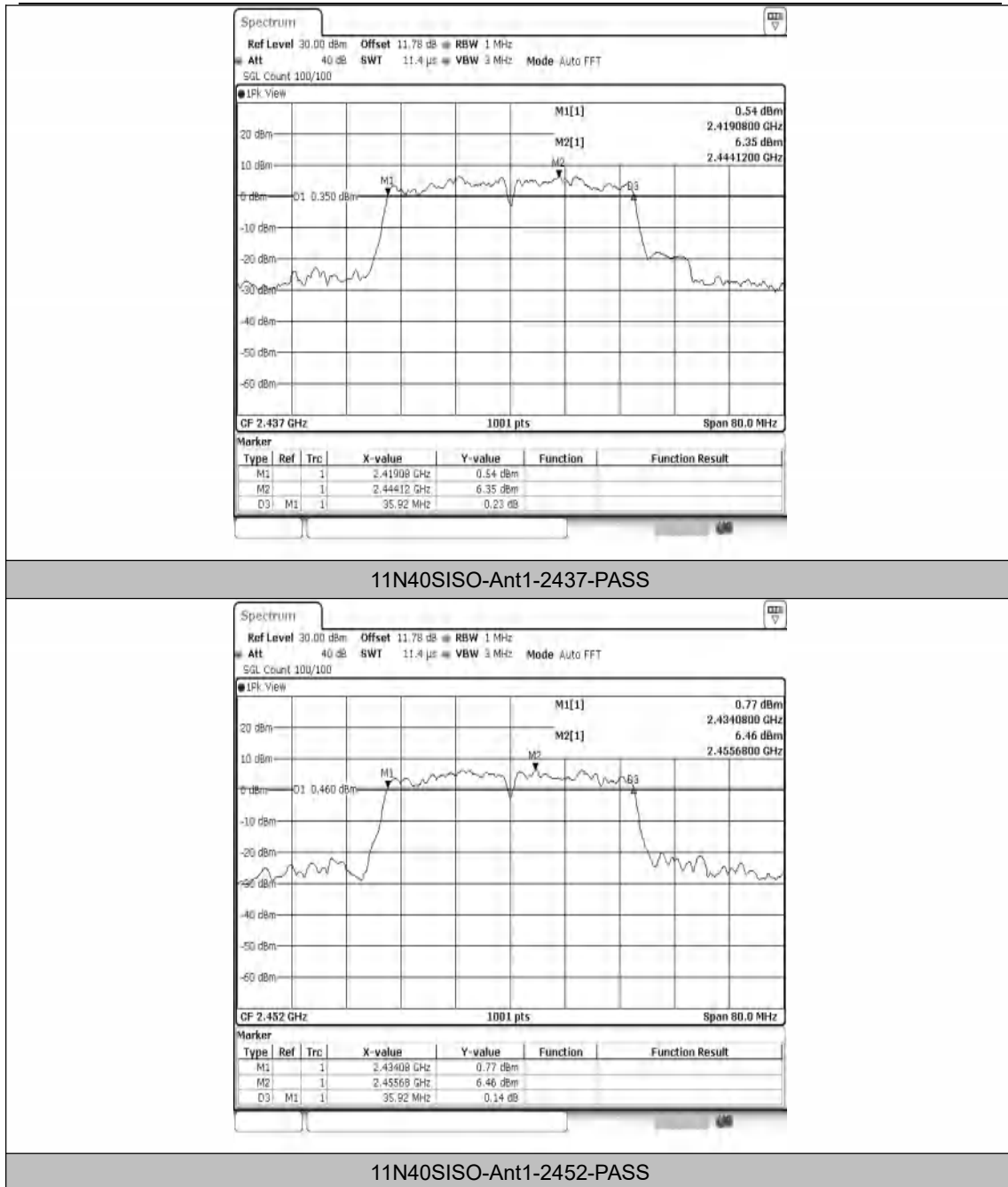
11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS

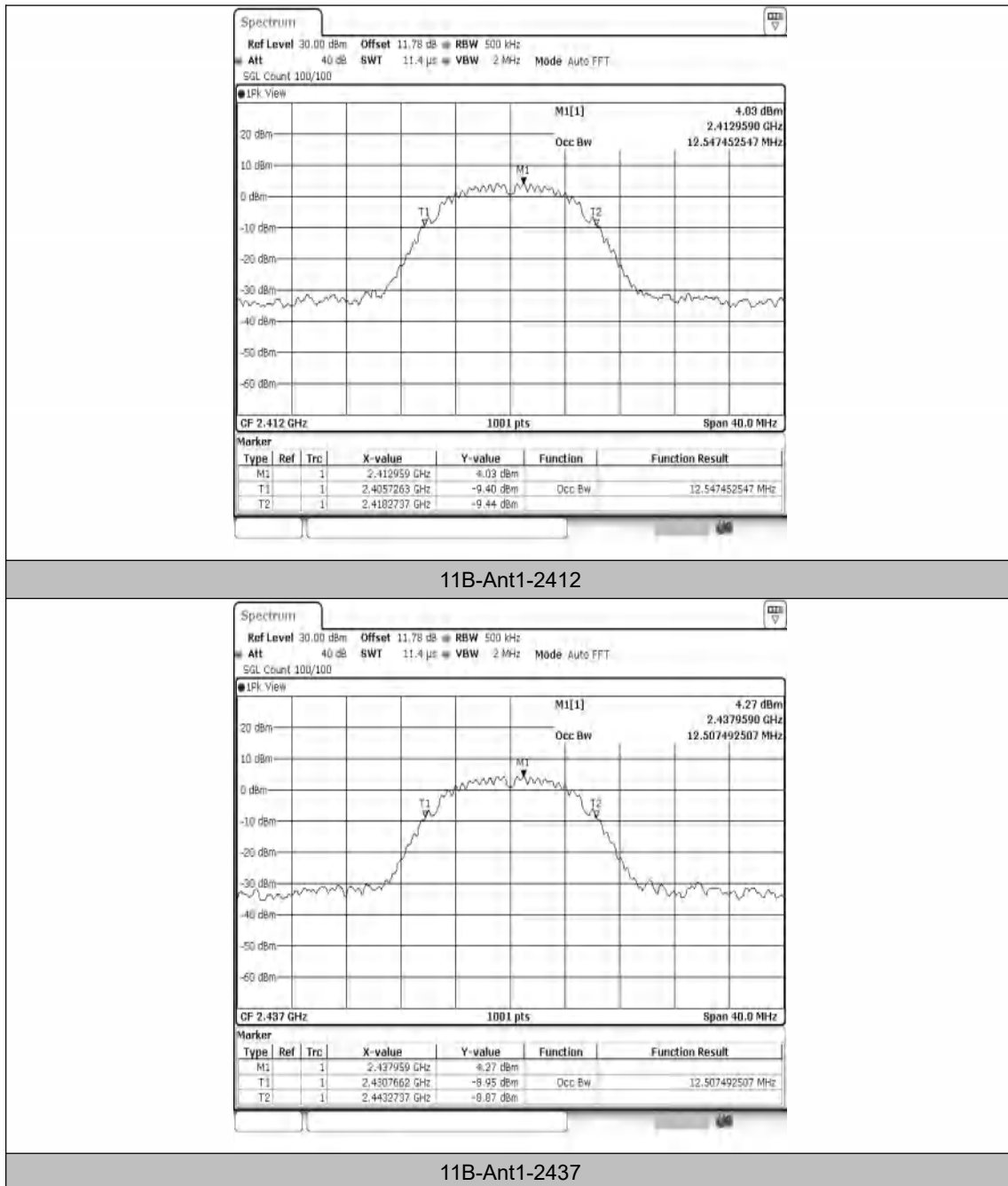


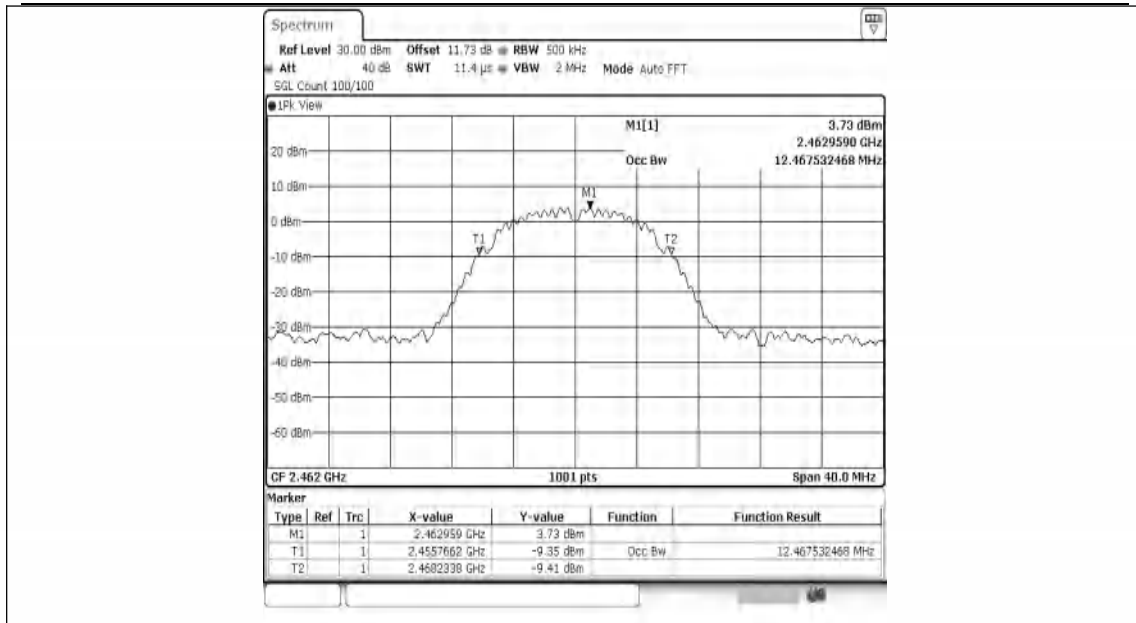
Appendix B: 99% Occupied Bandwidth

Test Result

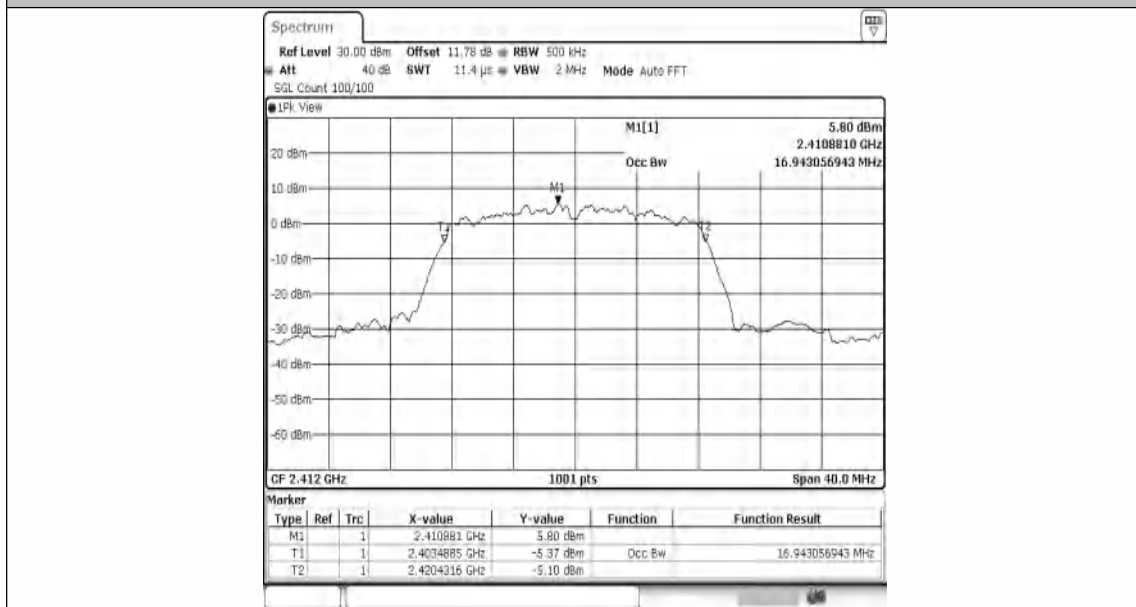
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.547	2405.7263	2418.2737	---	---
11B	Ant1	2437	12.507	2430.7662	2443.2737	---	---
11B	Ant1	2462	12.468	2455.7662	2468.2338	---	---
11G	Ant1	2412	16.943	2403.4885	2420.4316	---	---
11G	Ant1	2437	16.823	2428.6883	2445.5115	---	---
11G	Ant1	2462	16.823	2453.6484	2470.4715	---	---
11N20SISO	Ant1	2412	17.702	2403.1289	2420.8312	---	---
11N20SISO	Ant1	2437	17.862	2428.0090	2445.8711	---	---
11N20SISO	Ant1	2462	17.822	2453.0490	2470.8711	---	---
11N40SISO	Ant1	2422	36.284	2403.9381	2440.2218	---	---
11N40SISO	Ant1	2437	36.044	2419.0180	2455.0619	---	---
11N40SISO	Ant1	2452	36.124	2433.9381	2470.0619	---	---

Test Graphs

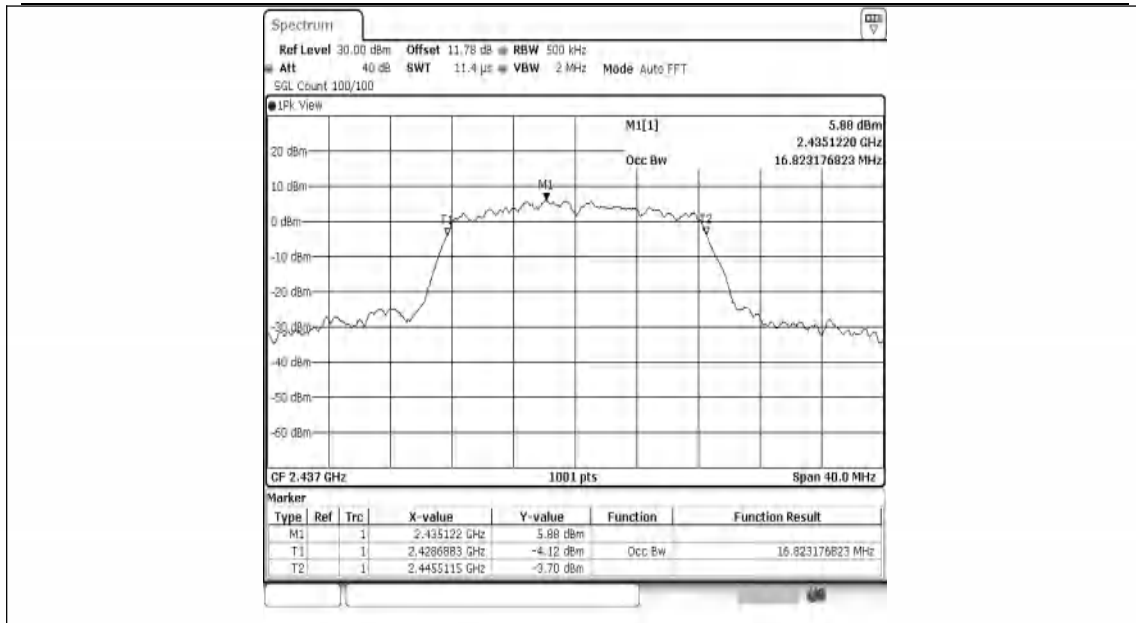




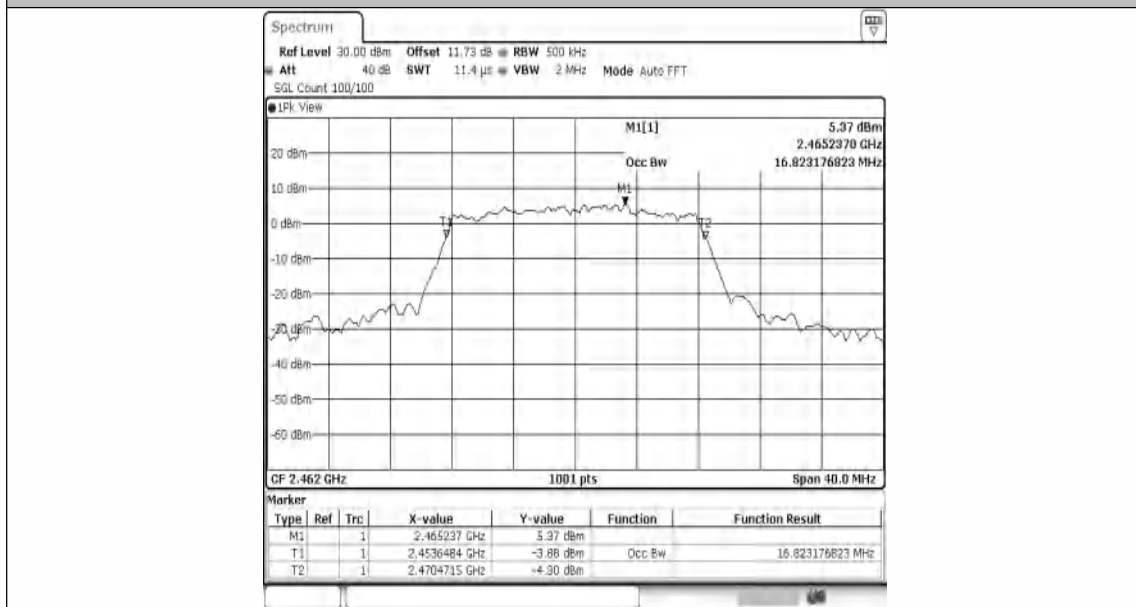
11B-Ant1-2462



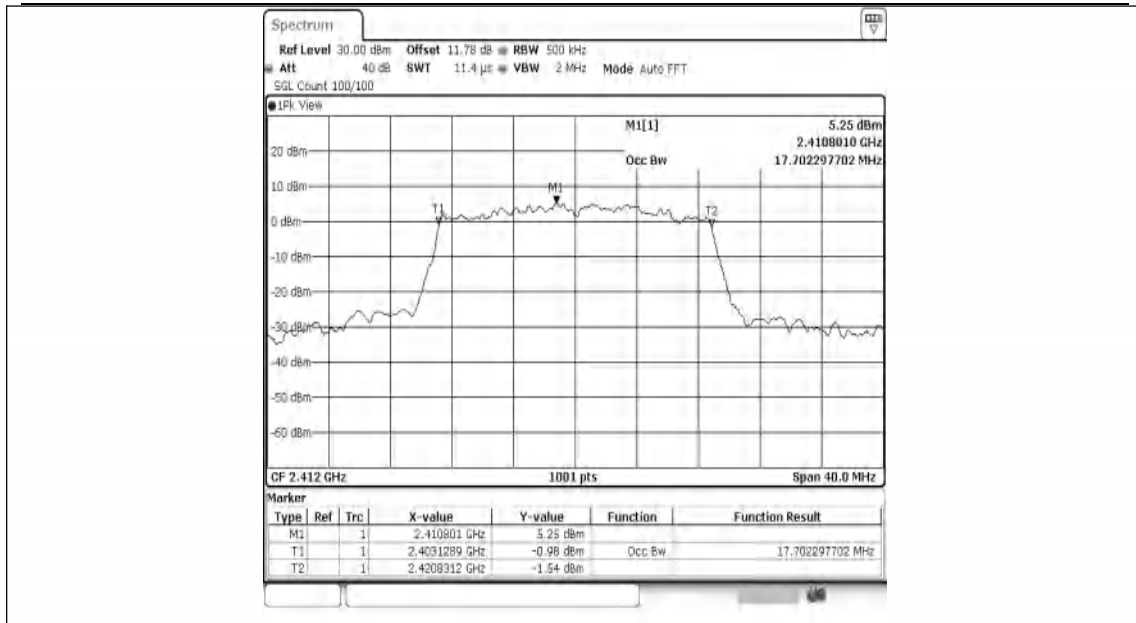
11G-Ant1-2412



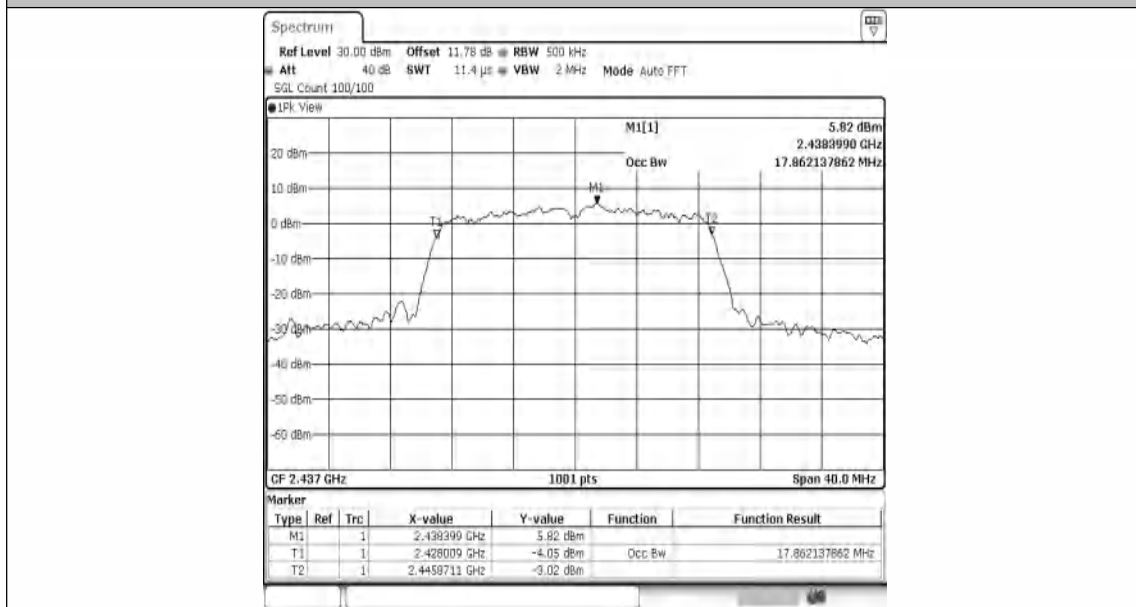
11G-Ant1-2437



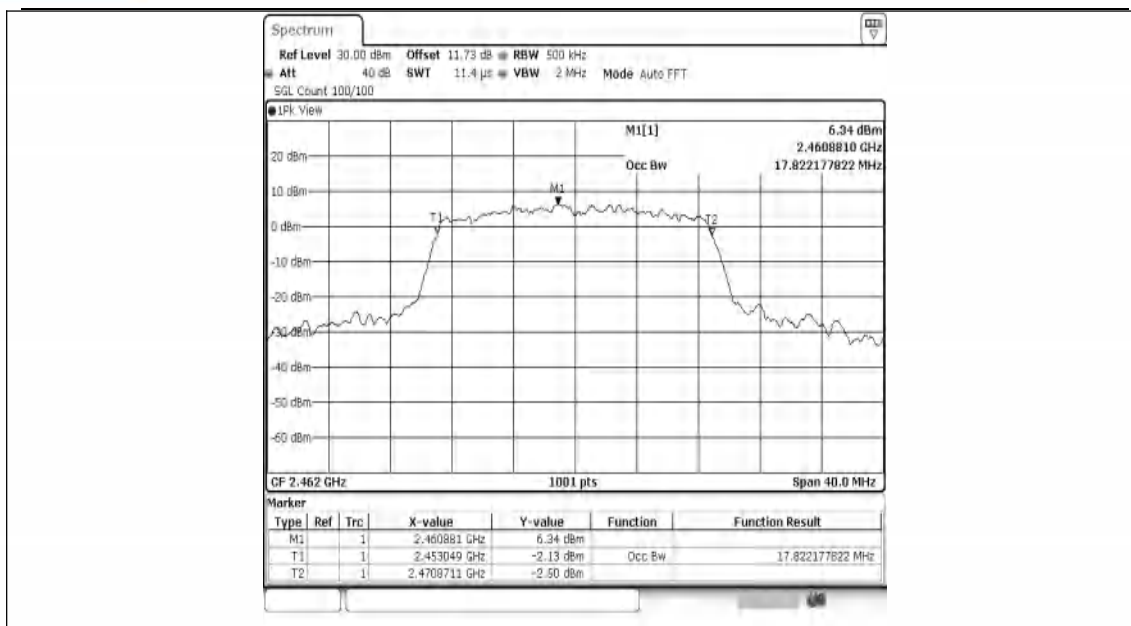
11G-Ant1-2462



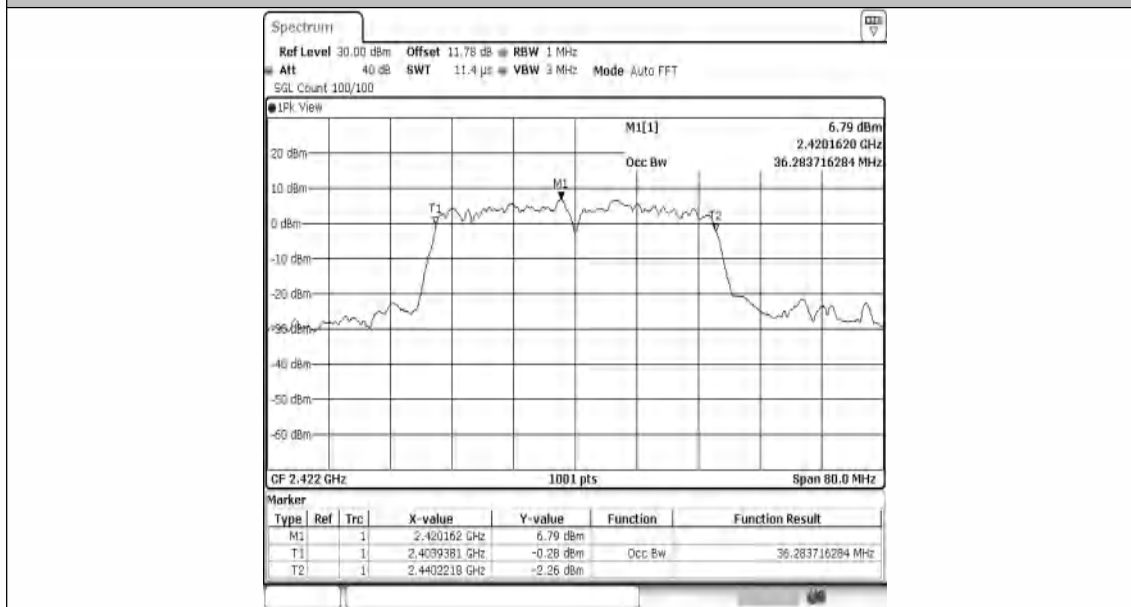
11N20SISO-Ant1-2412



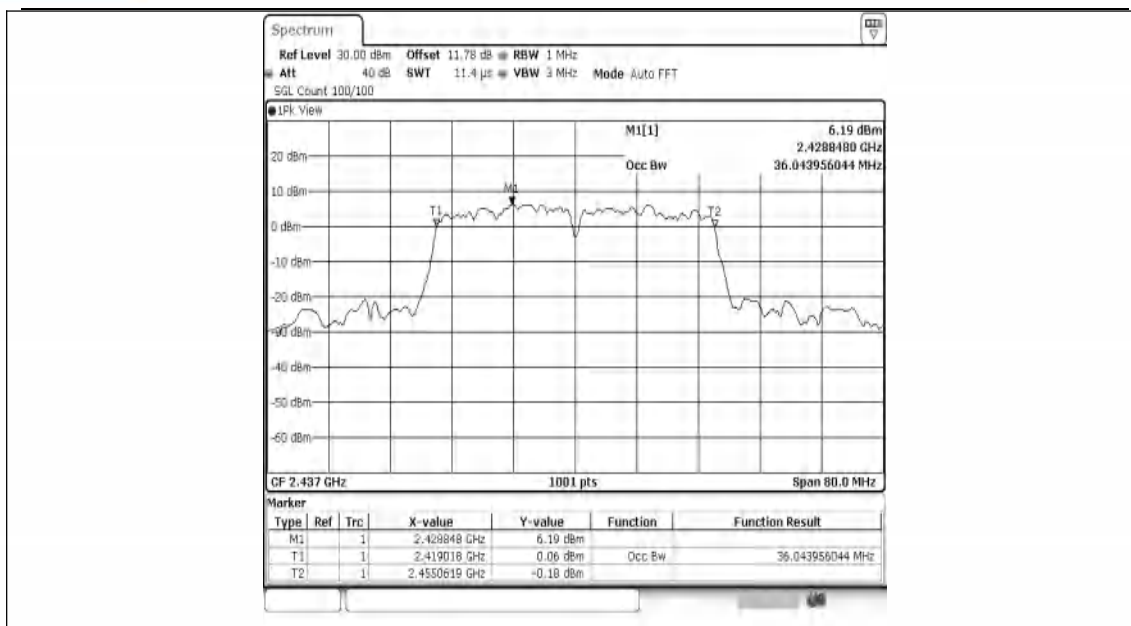
11N20SISO-Ant1-2437



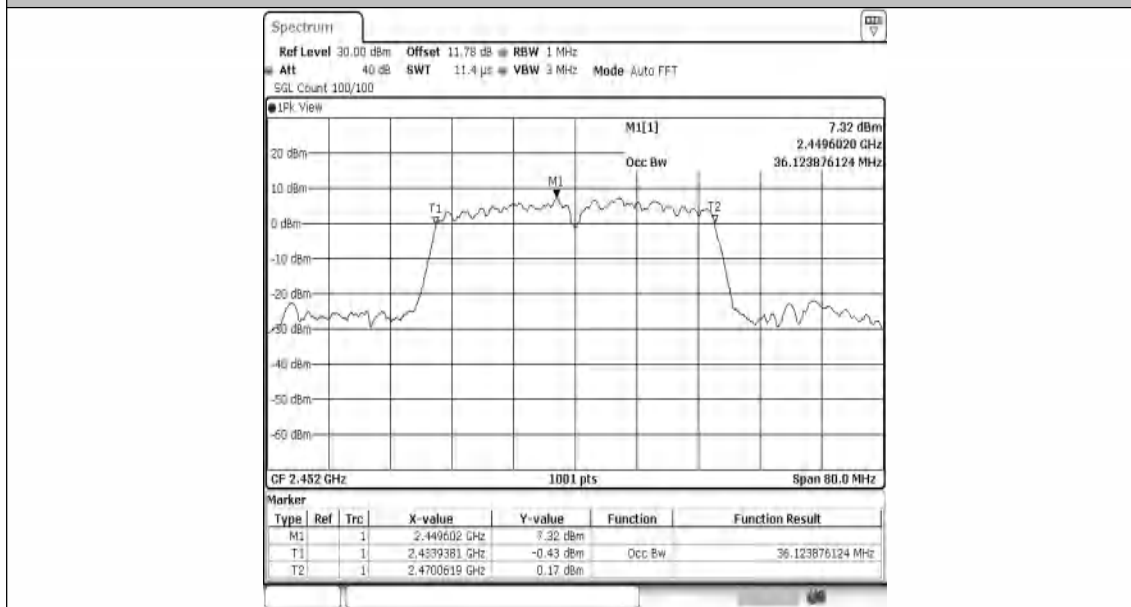
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

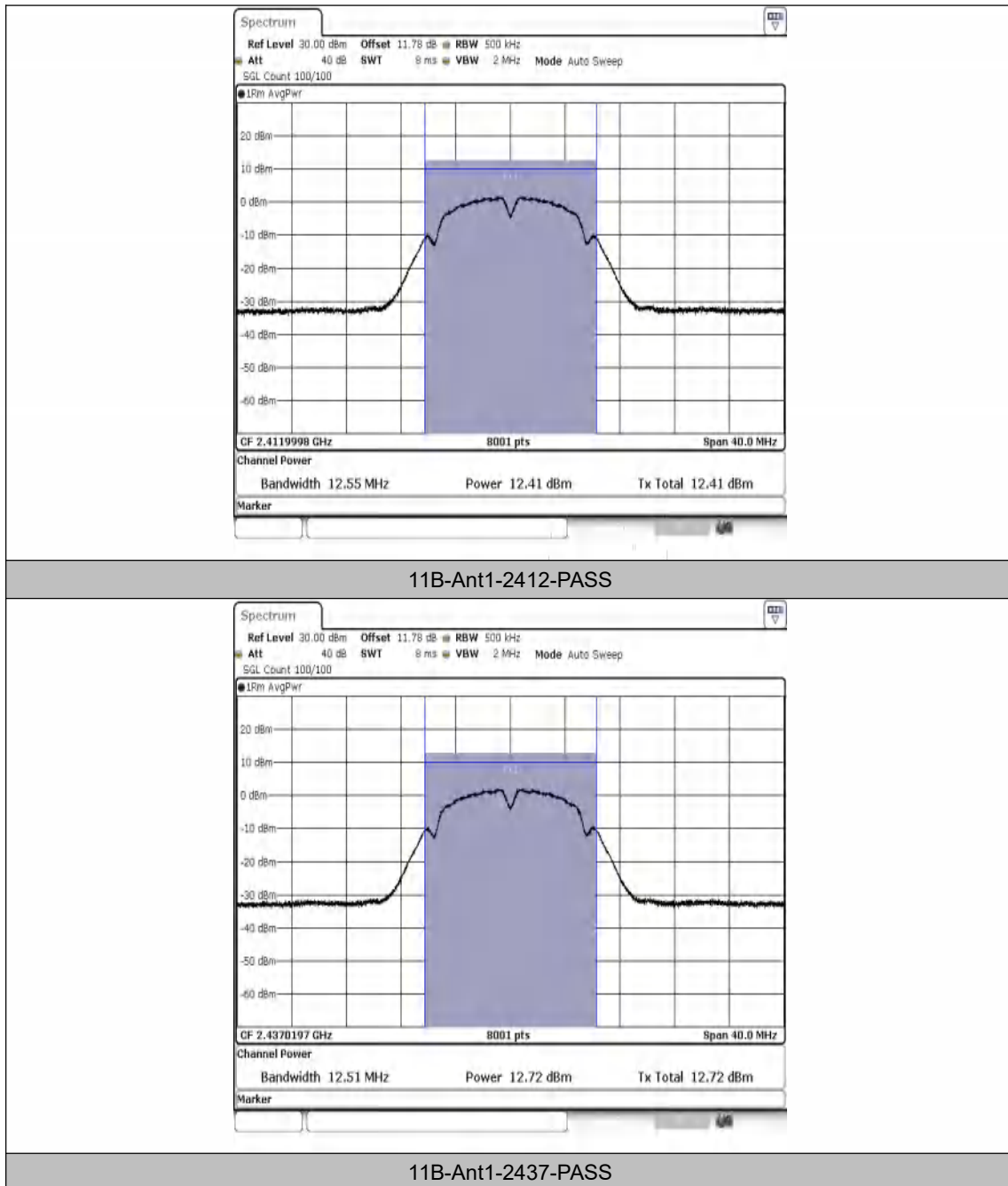
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	12.41	99.31	0.03	12.44	≤30.00	PASS
11B	Ant1	2437	NA	12.72	99.57	0.02	12.74	≤30.00	PASS
11B	Ant1	2462	NA	12.57	99.18	0.04	12.61	≤30.00	PASS
11G	Ant1	2412	NA	11.85	95.29	0.21	12.06	≤30.00	PASS
11G	Ant1	2437	NA	12.70	95.29	0.21	12.91	≤30.00	PASS
11G	Ant1	2462	NA	12.81	96.47	0.16	12.97	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.37	96.30	0.16	12.53	≤30.00	PASS
11N20SISO	Ant1	2437	NA	12.56	95.12	0.22	12.78	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.55	95.12	0.22	13.77	≤30.00	PASS
11N40SISO	Ant1	2422	NA	12.94	90.70	0.42	13.36	≤30.00	PASS
11N40SISO	Ant1	2437	NA	12.99	90.70	0.42	13.41	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.11	92.86	0.32	13.43	≤30.00	PASS

Note: 1. The cable loss are compensated in the graph

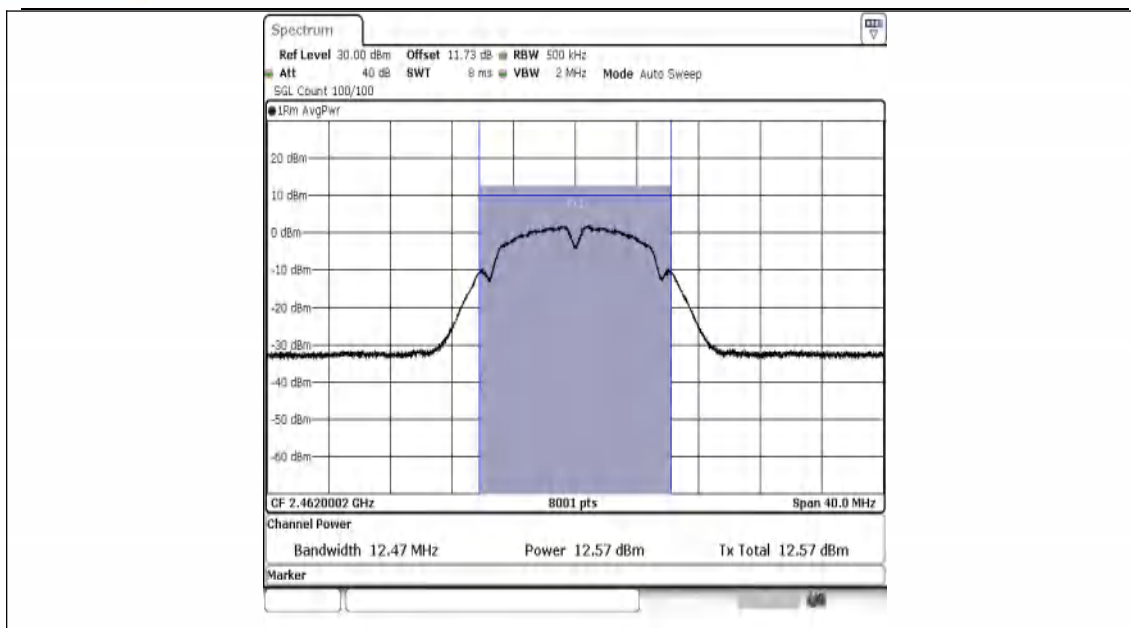
Test Graphs Average



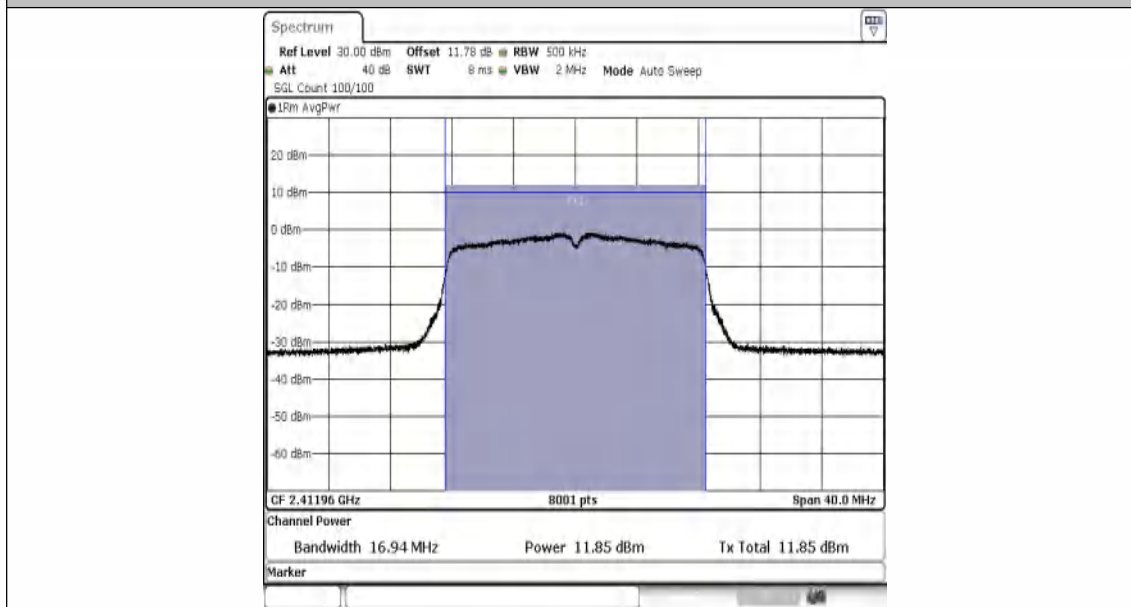
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

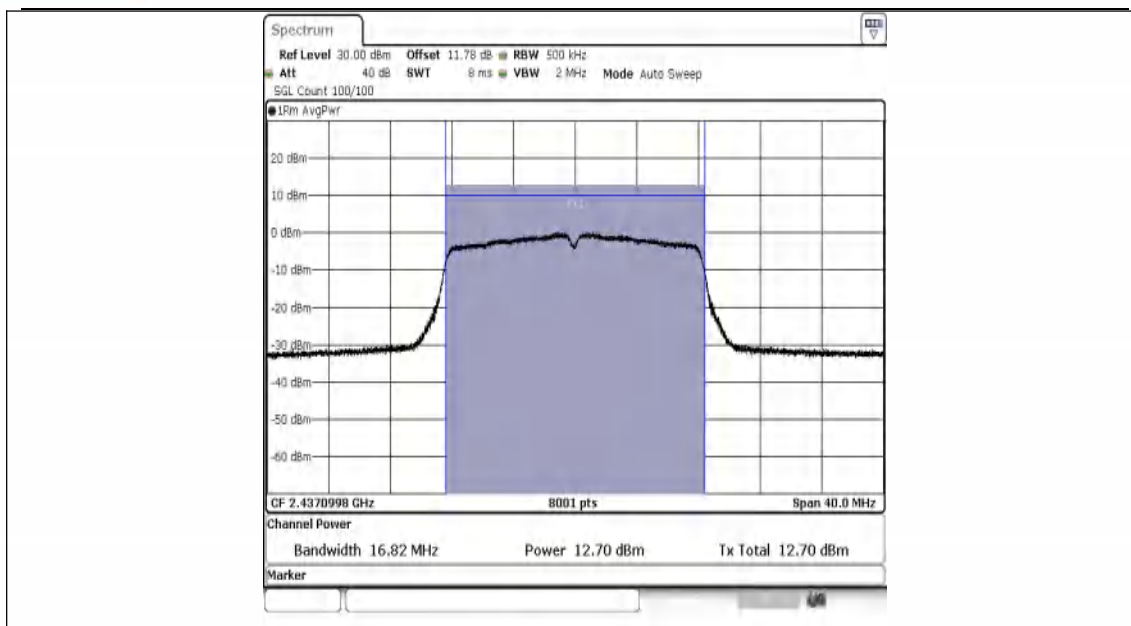
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400-003-0500
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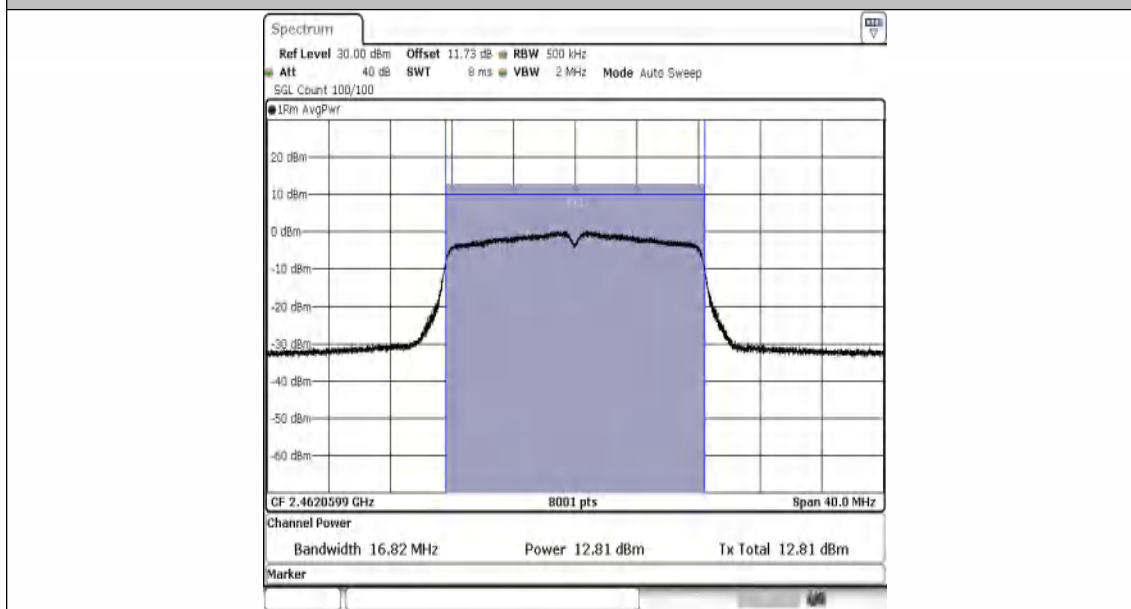
11B-Ant1-2462-PASS



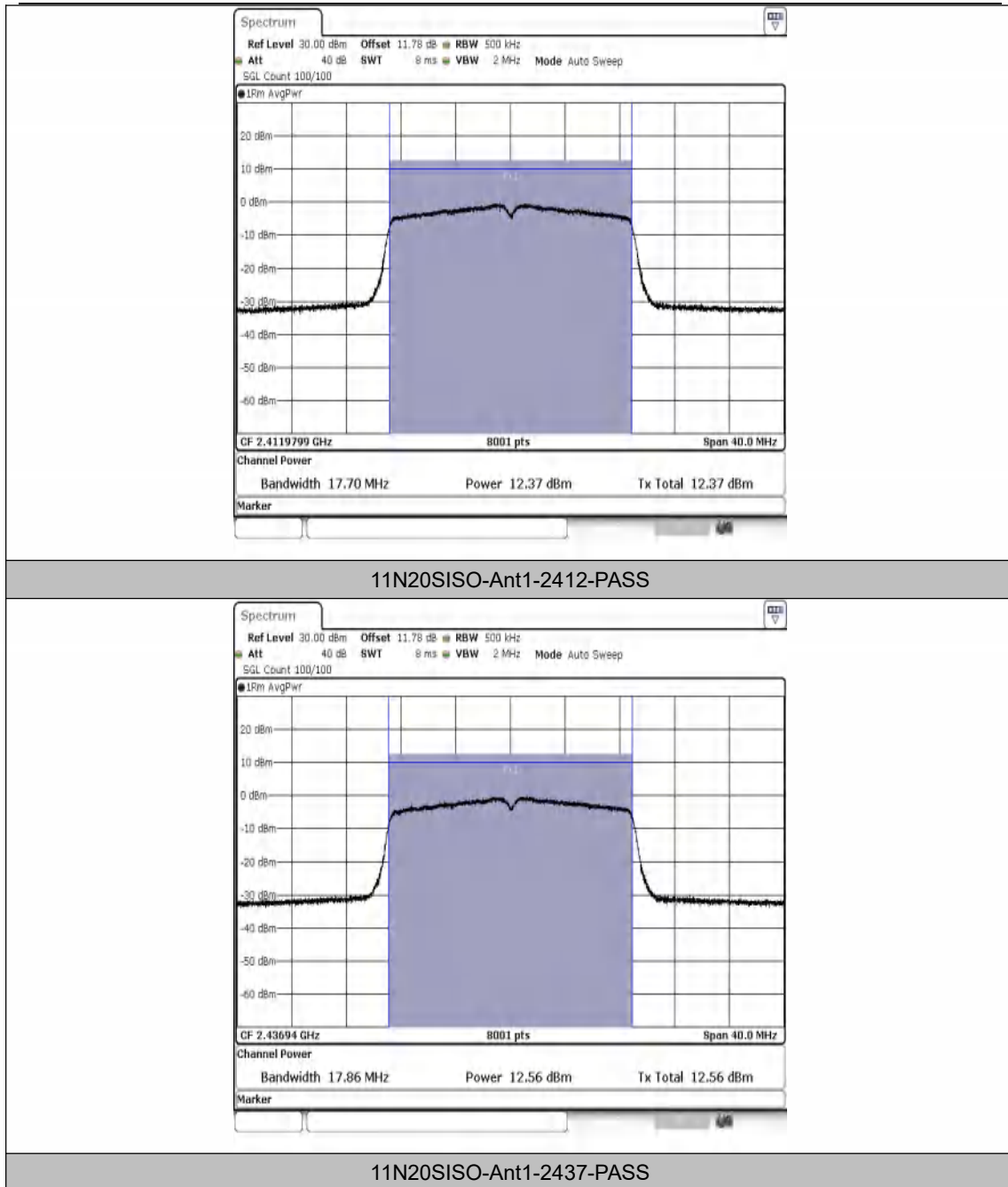
11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



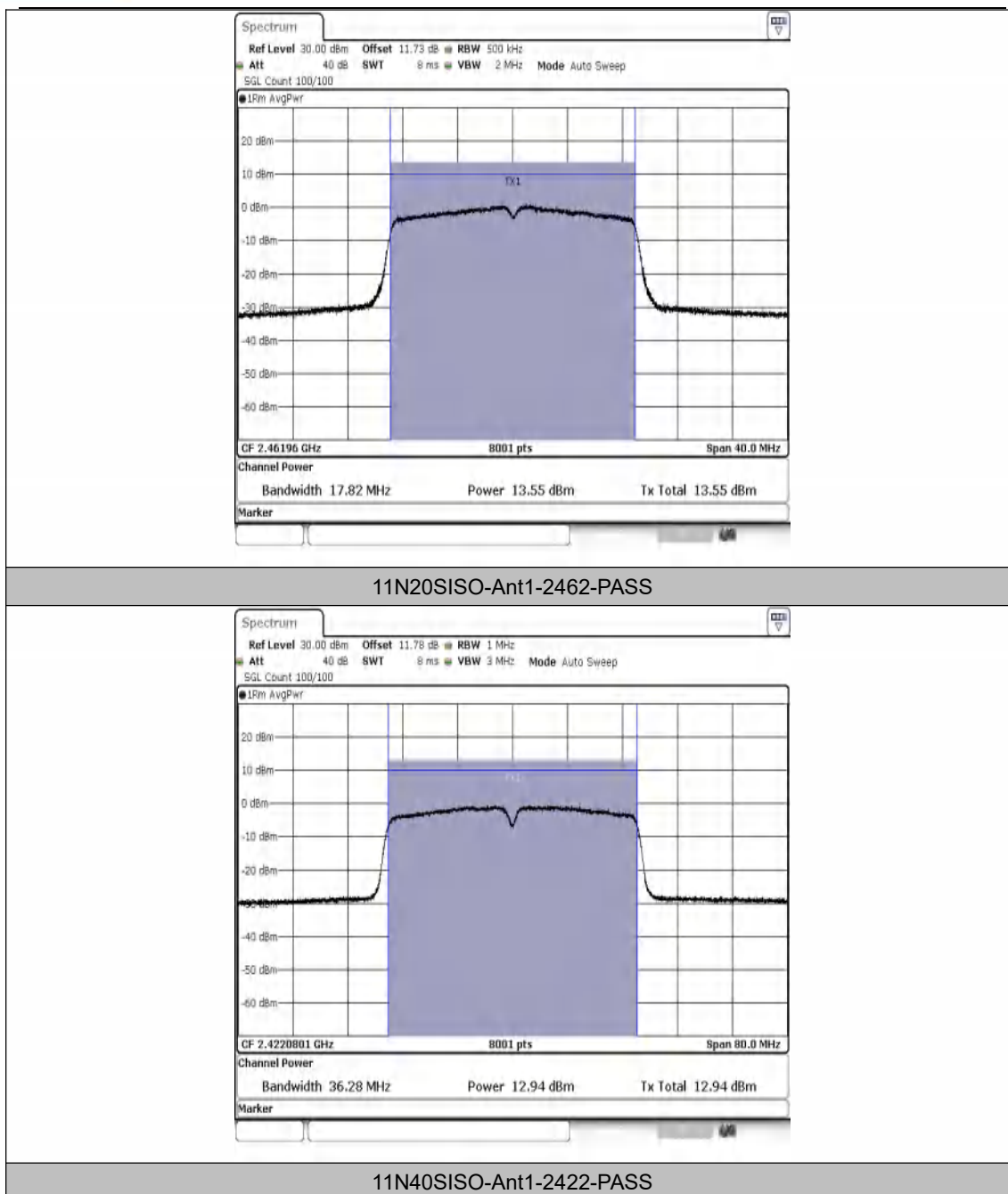
11G-Ant1-2462-PASS

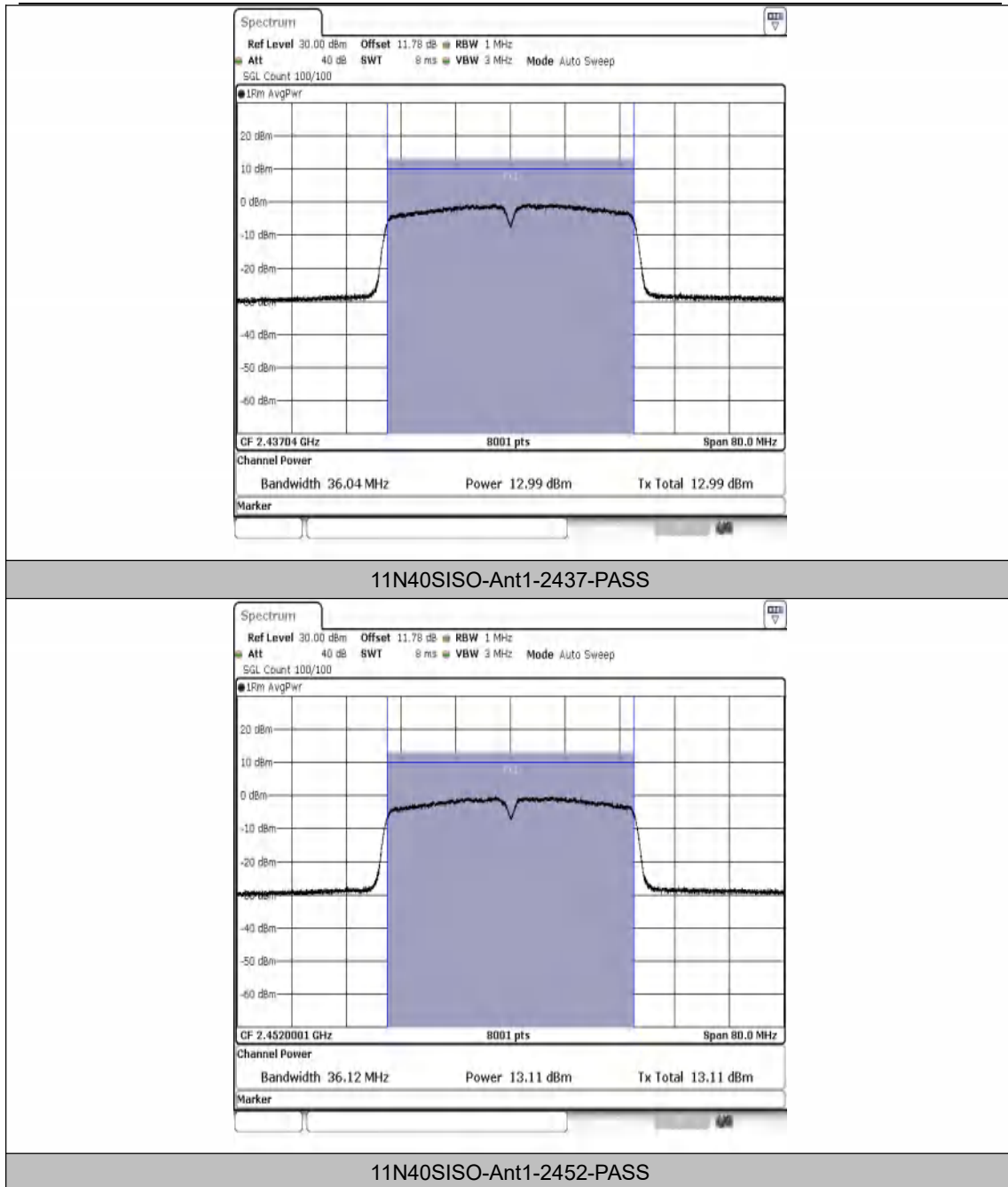


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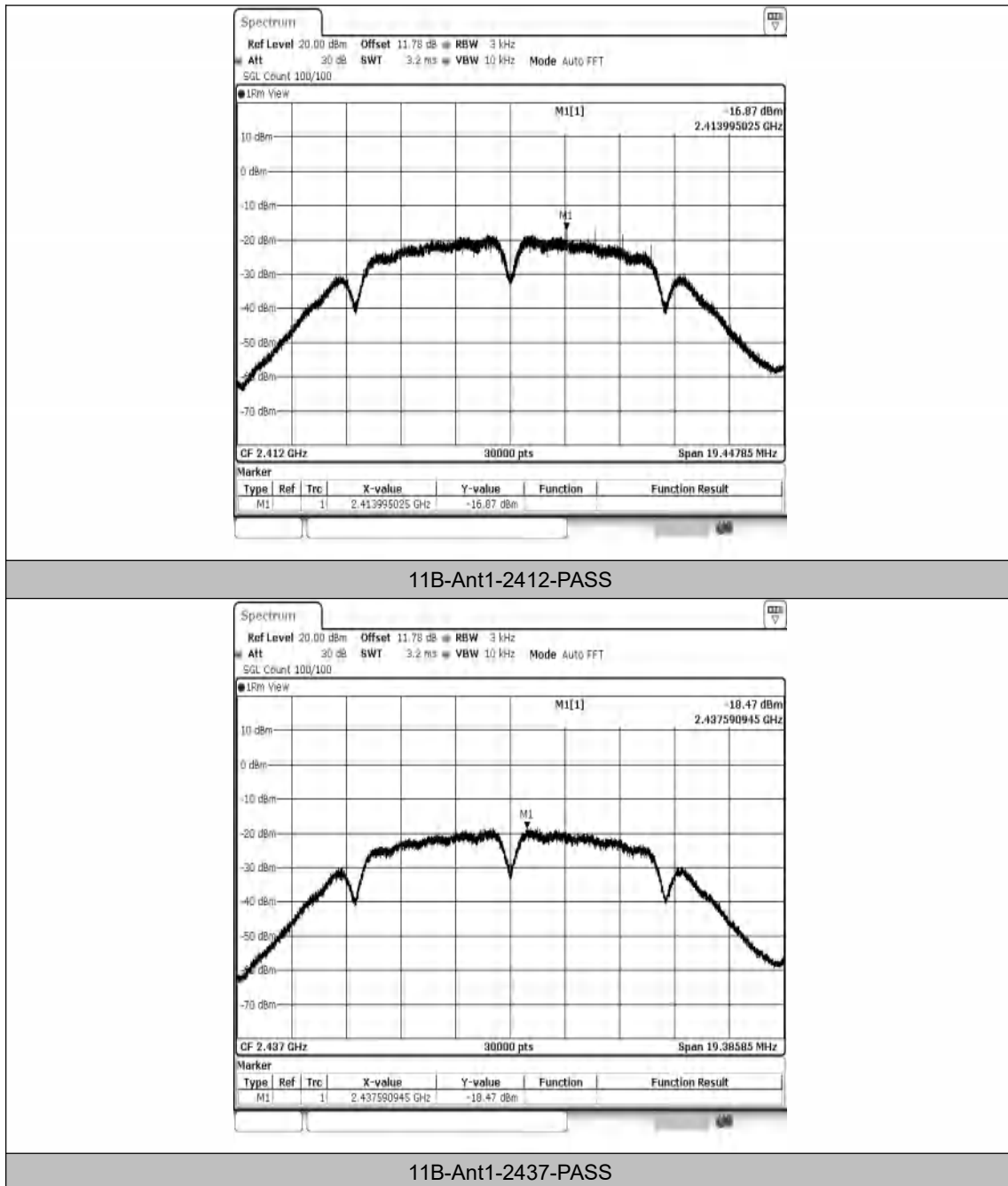
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-16.87	0.03	-16.84	≤8.00	PASS
11B	Ant1	2437	-18.47	0.02	-18.45	≤8.00	PASS
11B	Ant1	2462	-19	0.04	-18.96	≤8.00	PASS
11G	Ant1	2412	-20.97	0.21	-20.76	≤8.00	PASS
11G	Ant1	2437	-19.78	0.21	-19.57	≤8.00	PASS
11G	Ant1	2462	-19.65	0.16	-19.49	≤8.00	PASS
11N20SISO	Ant1	2412	-20.06	0.16	-19.90	≤8.00	PASS
11N20SISO	Ant1	2437	-19.99	0.22	-19.77	≤8.00	PASS
11N20SISO	Ant1	2462	-18.62	0.22	-18.40	≤8.00	PASS
11N40SISO	Ant1	2422	-20.38	0.42	-19.96	≤8.00	PASS
11N40SISO	Ant1	2437	-20.11	0.42	-19.69	≤8.00	PASS
11N40SISO	Ant1	2452	-20.28	0.32	-19.96	≤8.00	PASS

Note: 1. The cable loss are compensated in the graph.

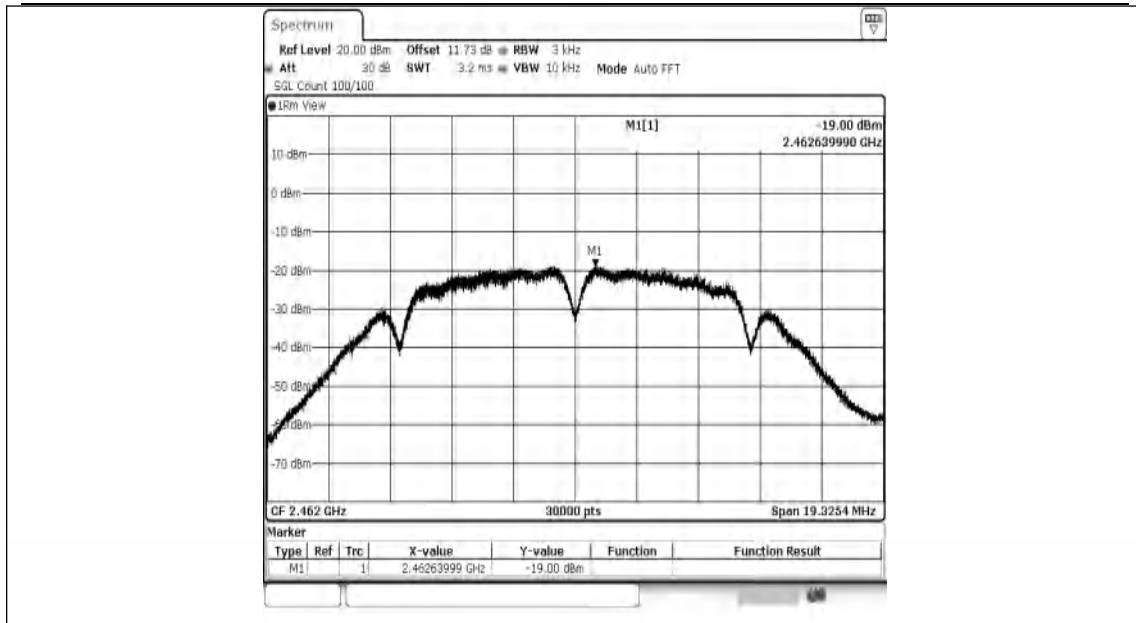
Test Graphs



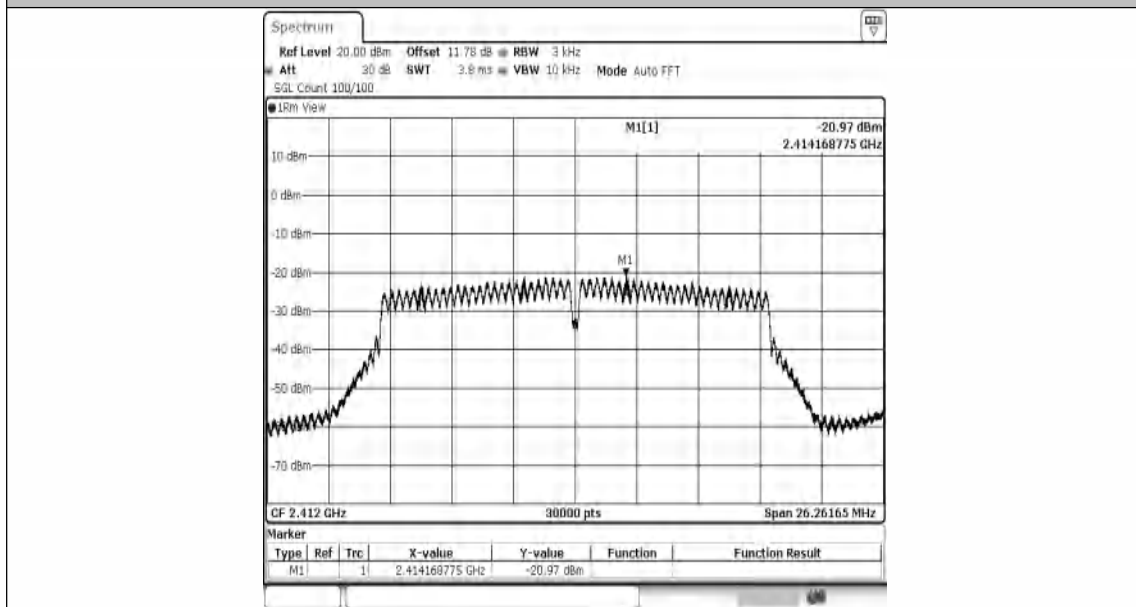
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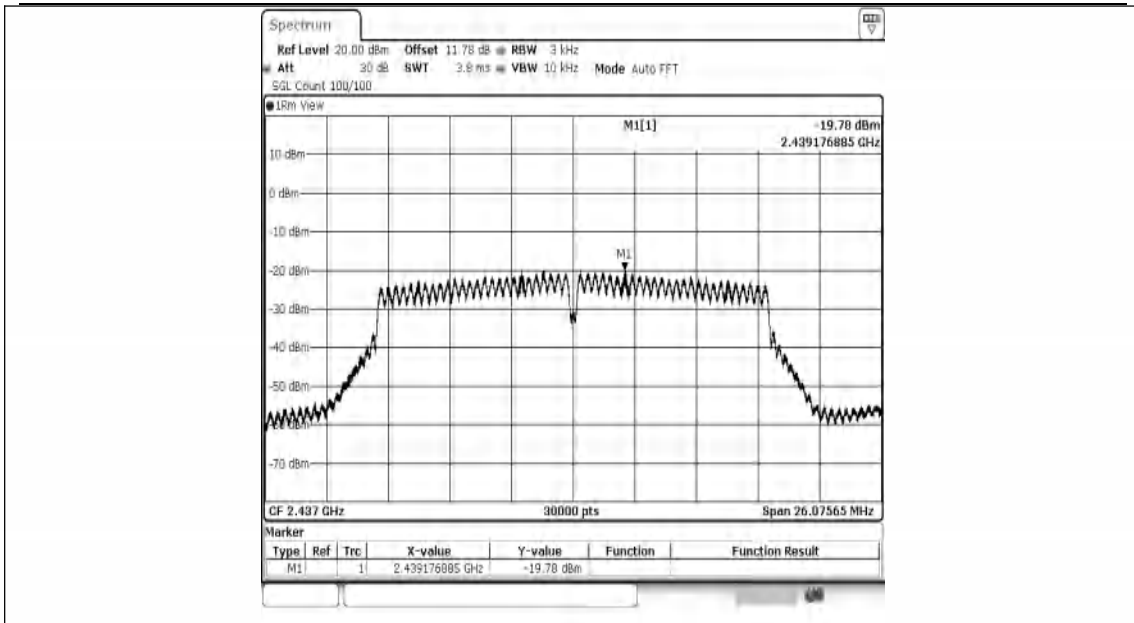
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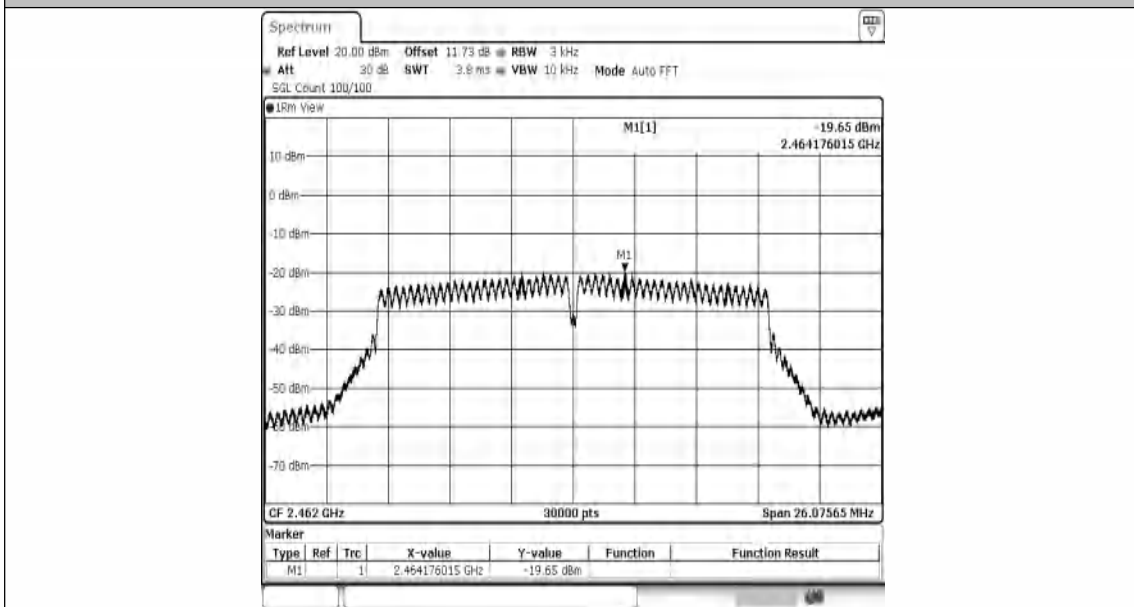
11B-Ant1-2462-PASS



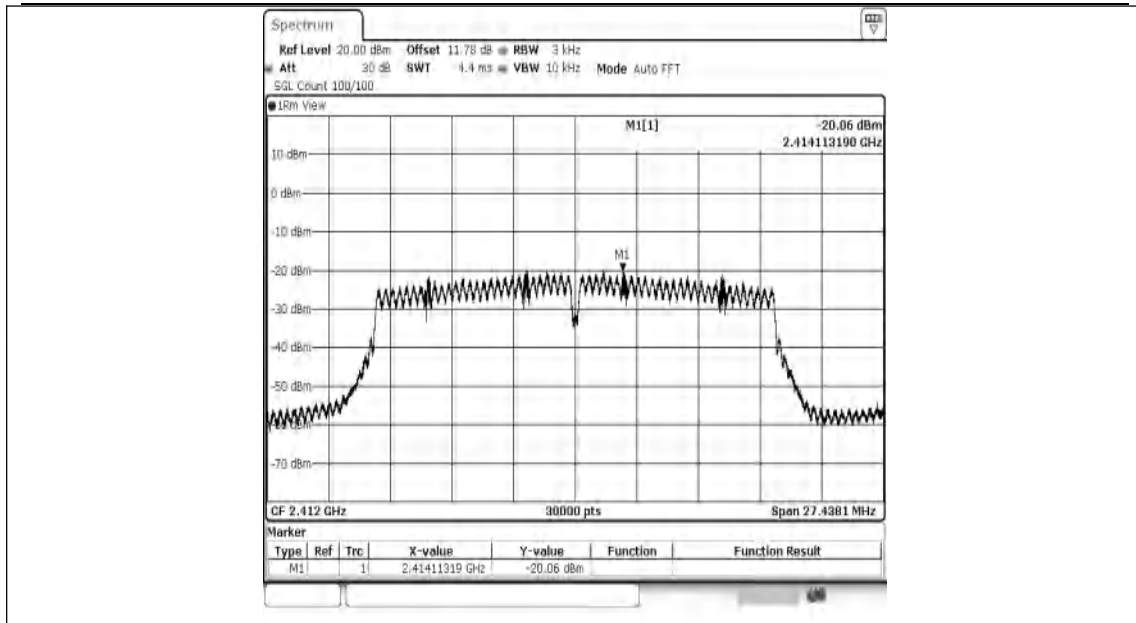
11G-Ant1-2412-PASS



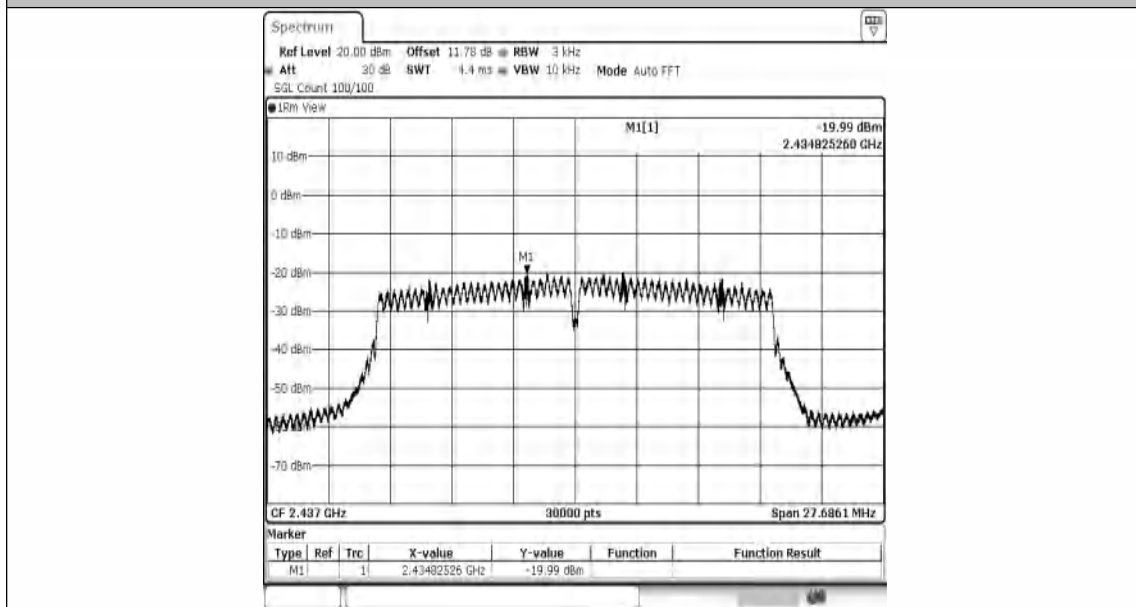
11G-Ant1-2437-PASS



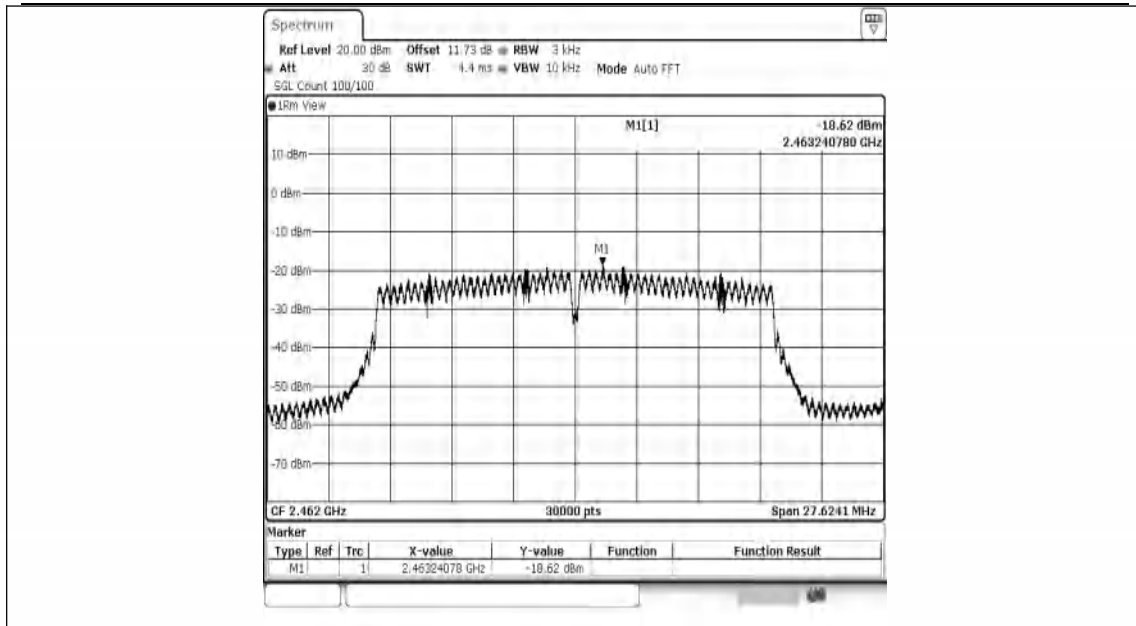
11G-Ant1-2462-PASS



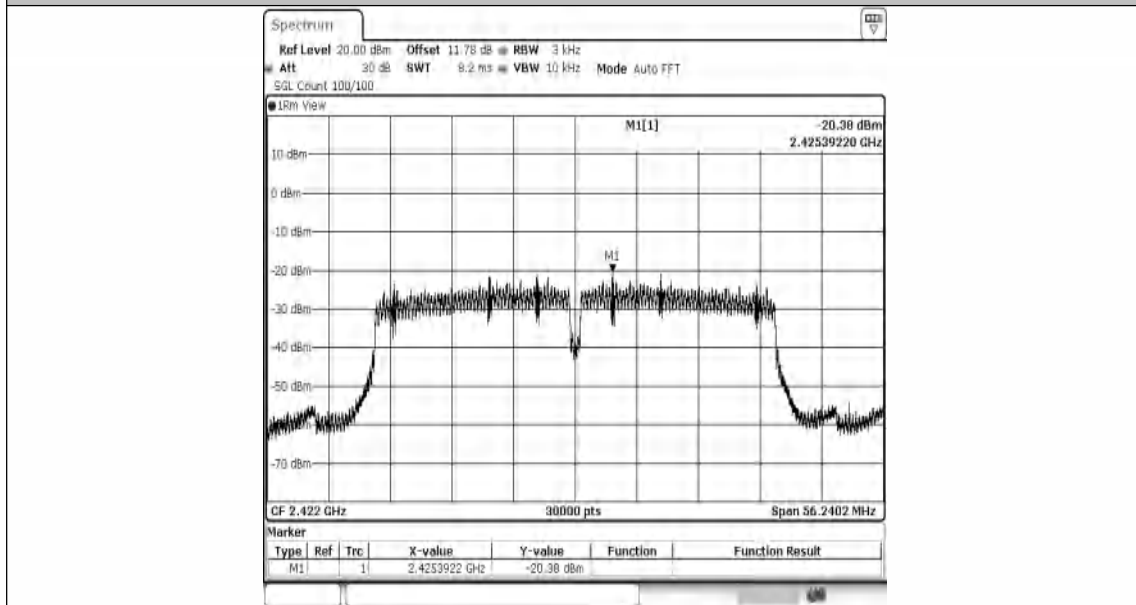
11N20SISO-Ant1-2412-PASS



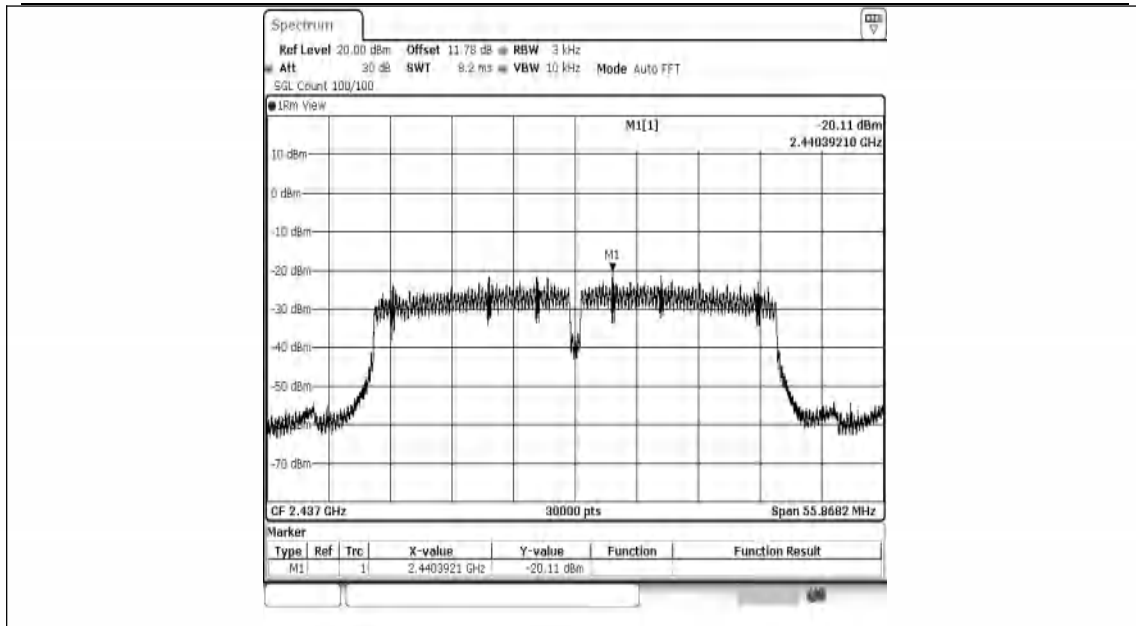
11N20SISO-Ant1-2437-PASS



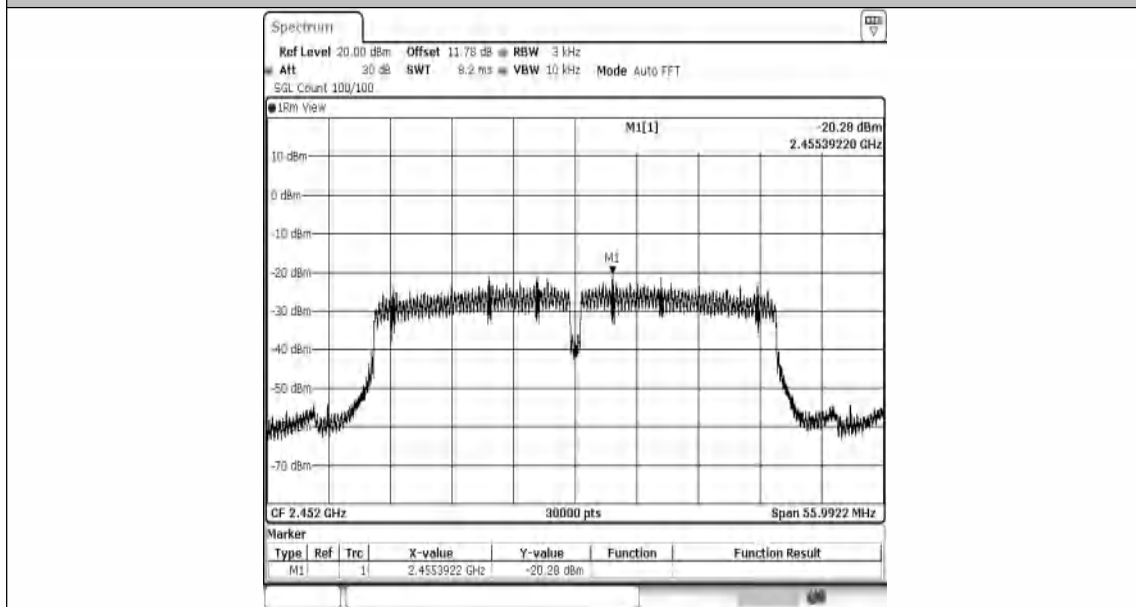
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

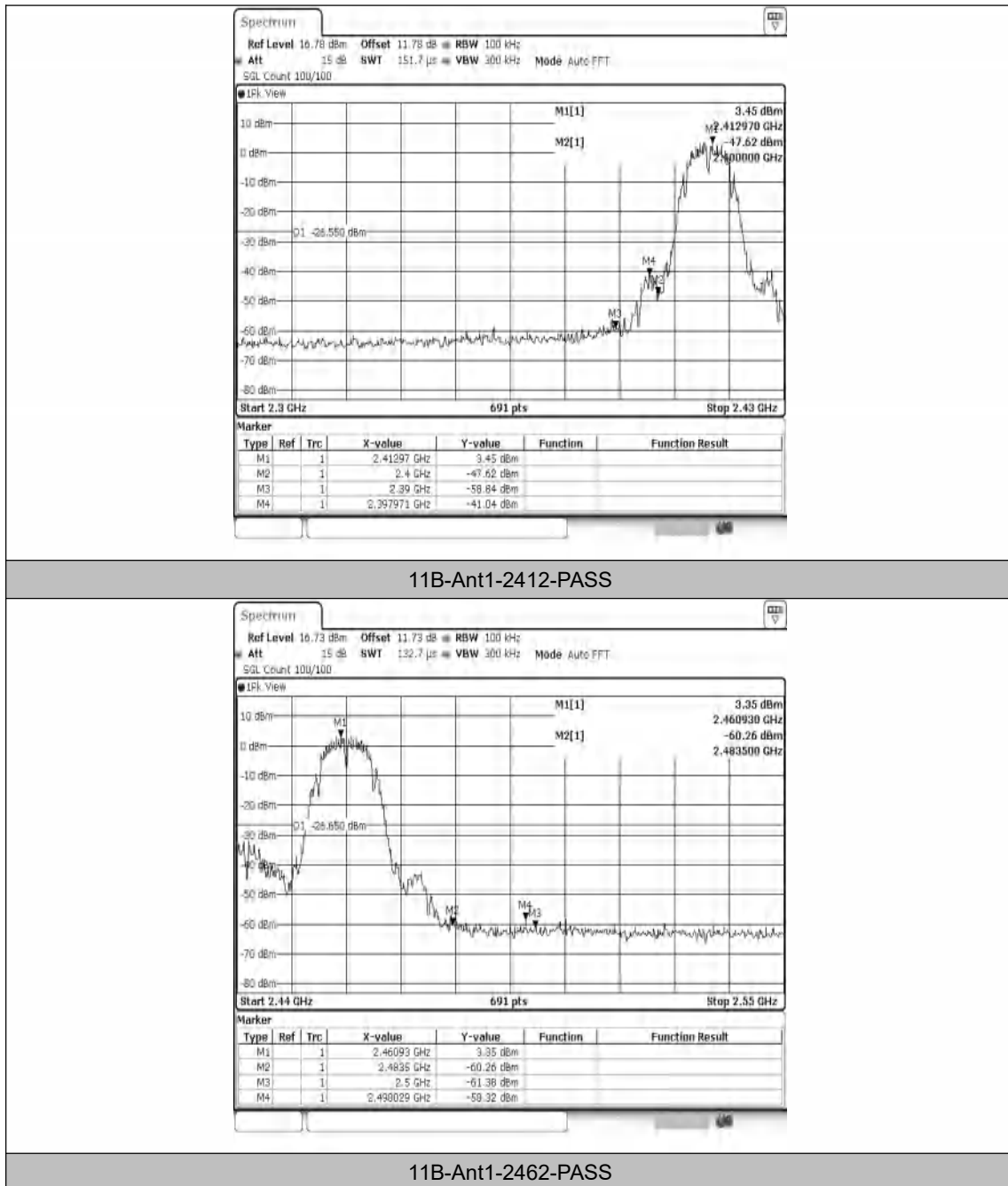
Appendix E: Conducted Band edge

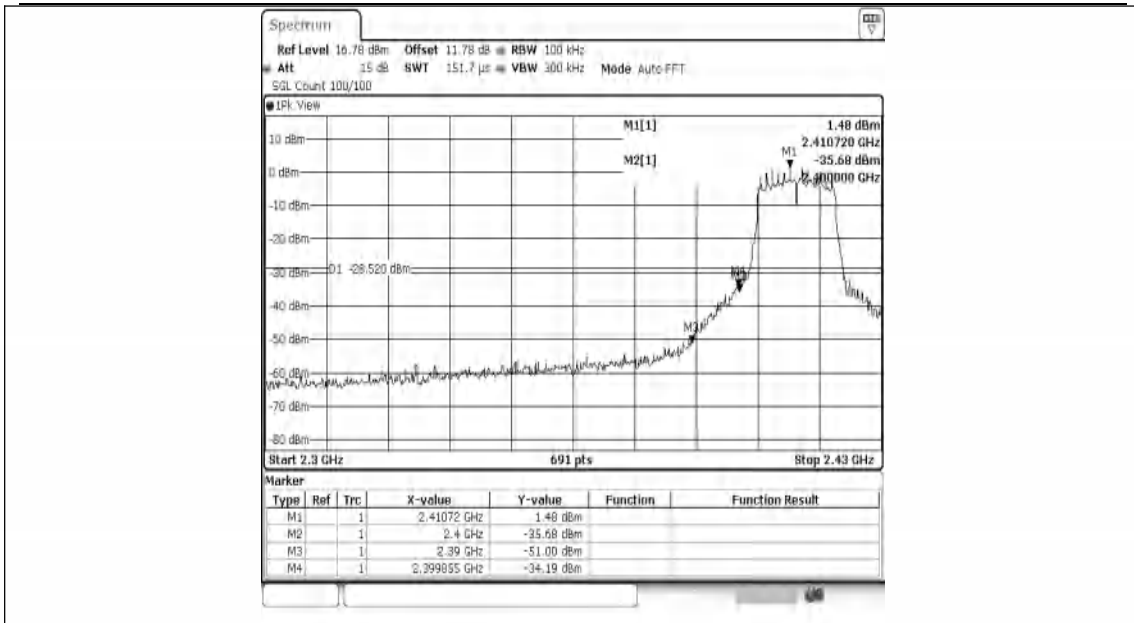
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.45	-41.04	≤-26.55	PASS
11B	Ant1	High	2462	3.35	-58.32	≤-26.65	PASS
11G	Ant1	Low	2412	1.48	-34.19	≤-28.52	PASS
11G	Ant1	High	2462	-0.72	-44.31	≤-30.72	PASS
11N20SISO	Ant1	Low	2412	-0.40	-37.52	≤-30.4	PASS
11N20SISO	Ant1	High	2462	2.73	-41.88	≤-27.27	PASS
11N40SISO	Ant1	Low	2422	-2.54	-37.05	≤-32.54	PASS
11N40SISO	Ant1	High	2452	-0.93	-35.33	≤-30.93	PASS

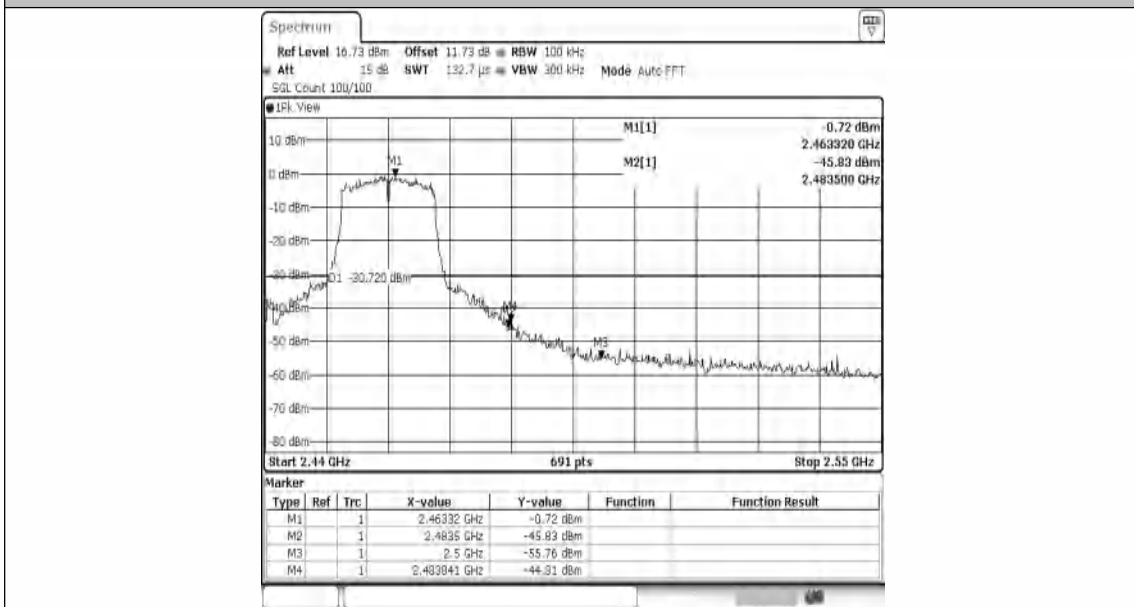


Test Graphs

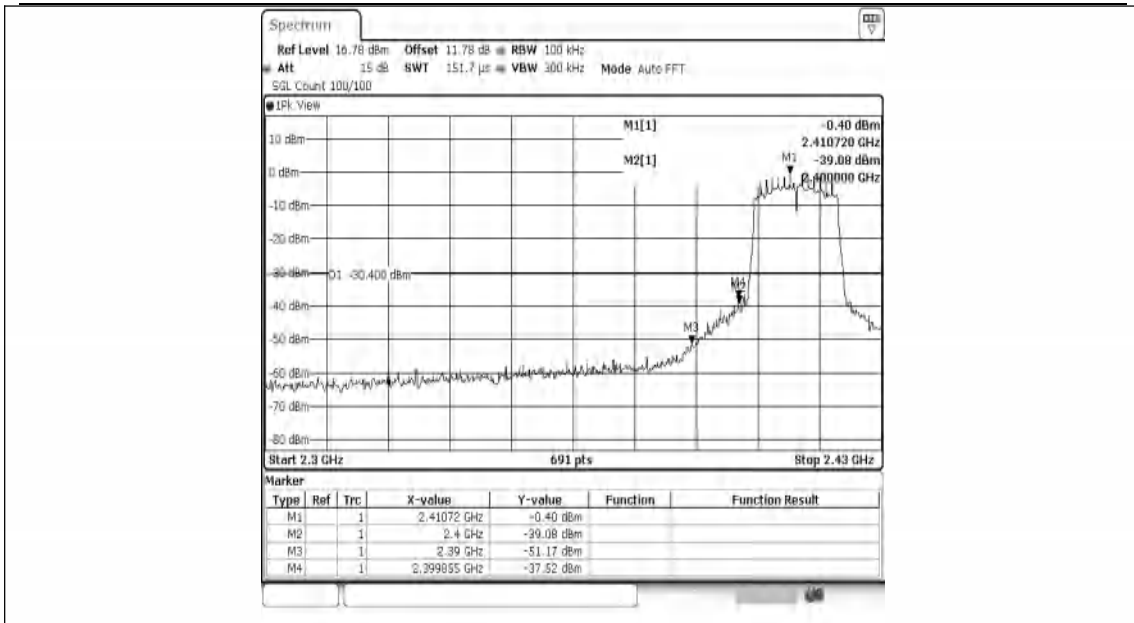




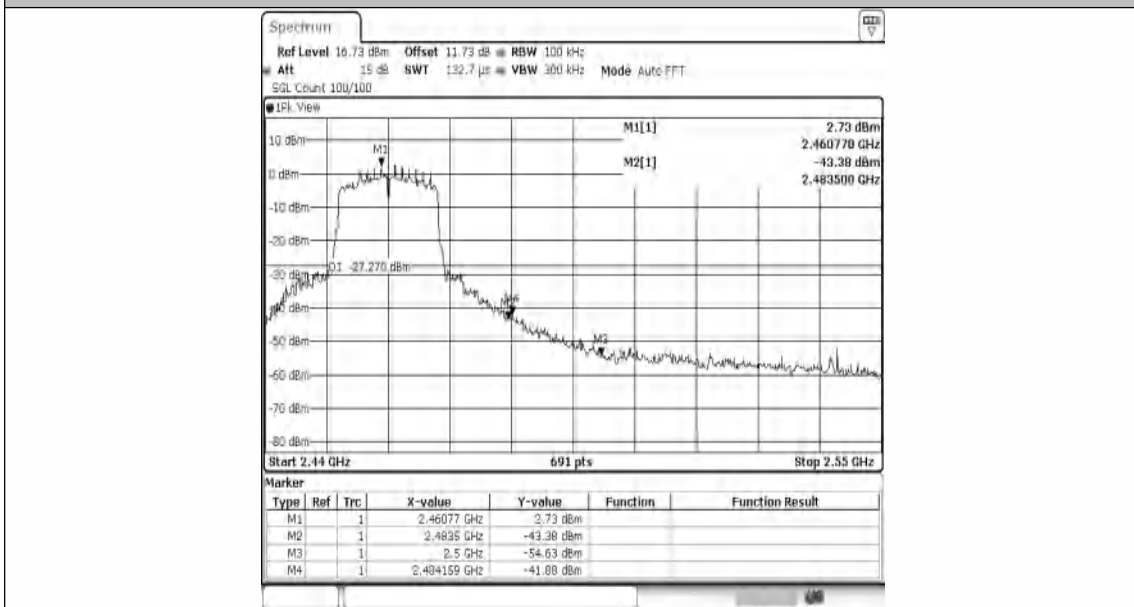
11G-Ant1-2412-PASS



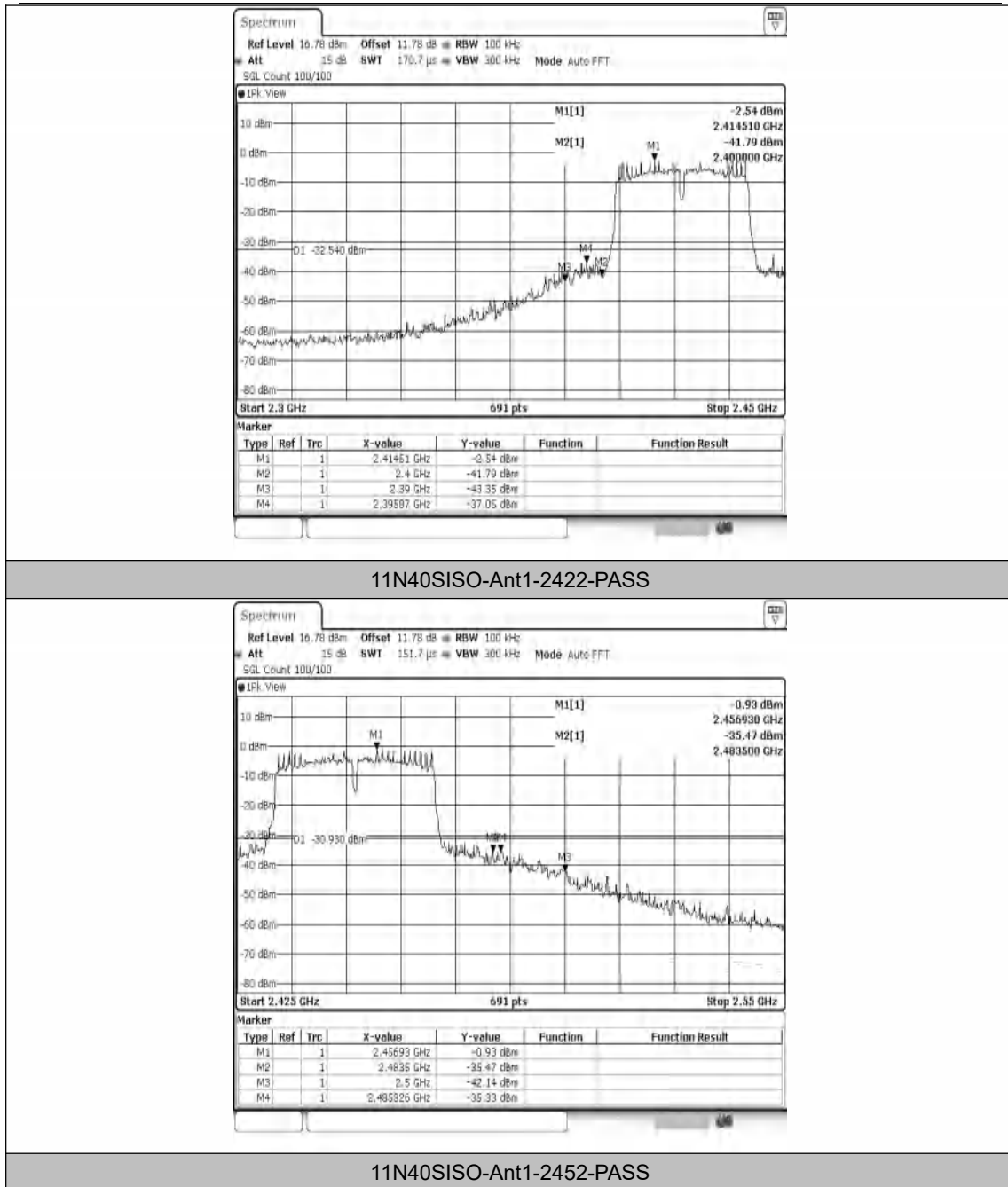
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

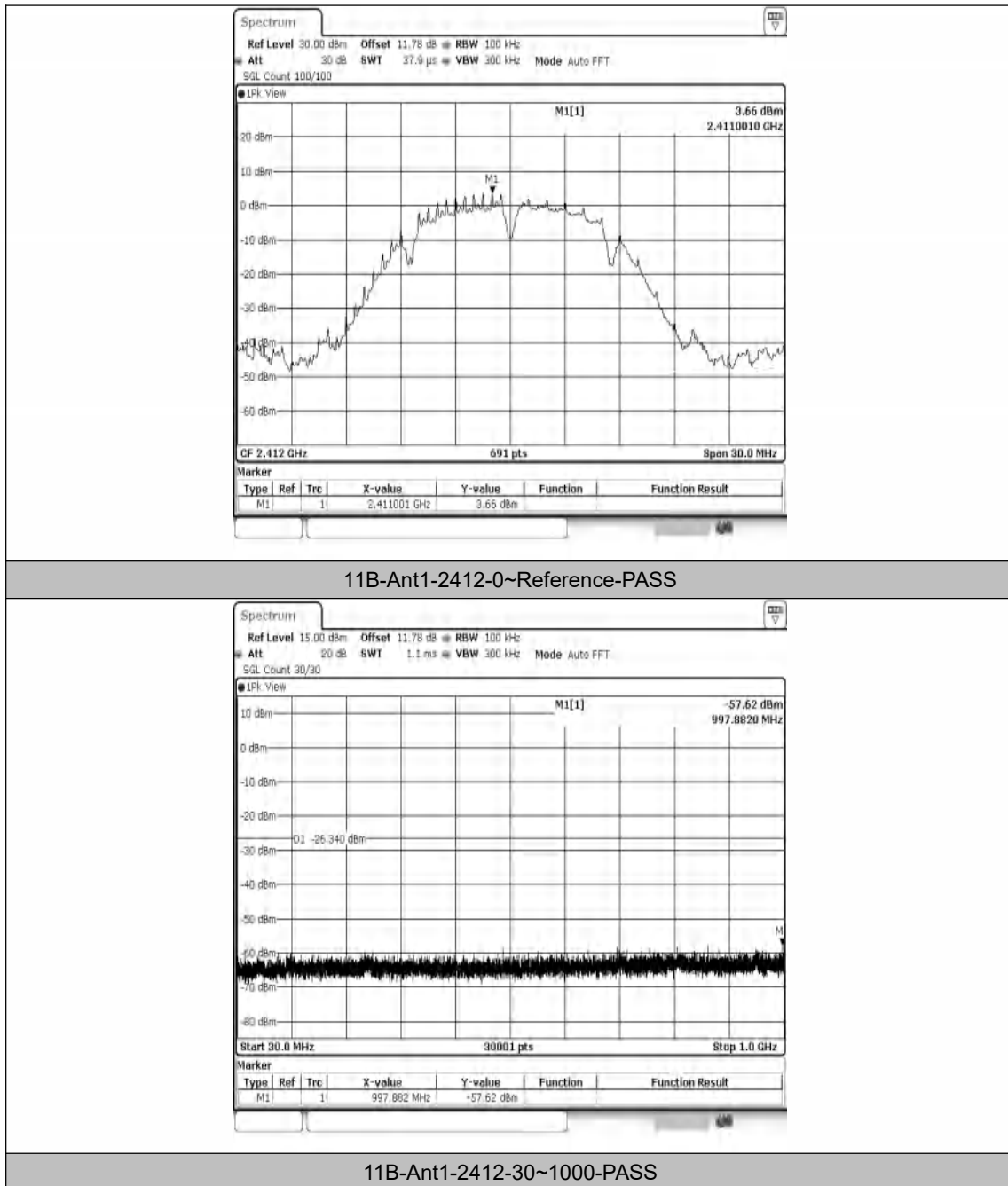


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.66	3.66	---	PASS
11B	Ant1	2412	30~1000	3.66	-57.62	≤-26.34	PASS
11B	Ant1	2412	1000~26500	3.66	-43.77	≤-26.34	PASS
11B	Ant1	2437	0~Reference	3.56	3.56	---	PASS
11B	Ant1	2437	30~1000	3.56	-58.11	≤-26.44	PASS
11B	Ant1	2437	1000~26500	3.56	-44.07	≤-26.44	PASS
11B	Ant1	2462	0~Reference	3.74	3.74	---	PASS
11B	Ant1	2462	30~1000	3.74	-56.83	≤-26.26	PASS
11B	Ant1	2462	1000~26500	3.74	-43.81	≤-26.26	PASS
11G	Ant1	2412	0~Reference	1.54	1.54	---	PASS
11G	Ant1	2412	30~1000	1.54	-58.25	≤-28.46	PASS
11G	Ant1	2412	1000~26500	1.54	-44.61	≤-28.46	PASS
11G	Ant1	2437	0~Reference	-0.17	-0.17	---	PASS
11G	Ant1	2437	30~1000	-0.17	-57.56	≤-30.17	PASS
11G	Ant1	2437	1000~26500	-0.17	-43.99	≤-30.17	PASS
11G	Ant1	2462	0~Reference	-0.40	-0.40	---	PASS
11G	Ant1	2462	30~1000	-0.40	-58.32	≤-30.4	PASS
11G	Ant1	2462	1000~26500	-0.40	-44.45	≤-30.4	PASS
11N20SISO	Ant1	2412	0~Reference	2.03	2.03	---	PASS
11N20SISO	Ant1	2412	30~1000	2.03	-58.11	≤-27.97	PASS
11N20SISO	Ant1	2412	1000~26500	2.03	-44.03	≤-27.97	PASS
11N20SISO	Ant1	2437	0~Reference	0.36	0.36	---	PASS
11N20SISO	Ant1	2437	30~1000	0.36	-57.84	≤-29.64	PASS
11N20SISO	Ant1	2437	1000~26500	0.36	-44.15	≤-29.64	PASS
11N20SISO	Ant1	2462	0~Reference	1.41	1.41	---	PASS
11N20SISO	Ant1	2462	30~1000	1.41	-58.15	≤-28.59	PASS
11N20SISO	Ant1	2462	1000~26500	1.41	-44.42	≤-28.59	PASS
11N40SISO	Ant1	2422	0~Reference	-1.95	-1.95	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.95	-57.42	≤-31.95	PASS
11N40SISO	Ant1	2422	1000~26500	-1.95	-43.66	≤-31.95	PASS
11N40SISO	Ant1	2437	0~Reference	-0.31	-0.31	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.31	-58.3	≤-30.31	PASS
11N40SISO	Ant1	2437	1000~26500	-0.31	-42.87	≤-30.31	PASS
11N40SISO	Ant1	2452	0~Reference	-0.23	-0.23	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.23	-58.06	≤-30.23	PASS
11N40SISO	Ant1	2452	1000~26500	-0.23	-43.25	≤-30.23	PASS

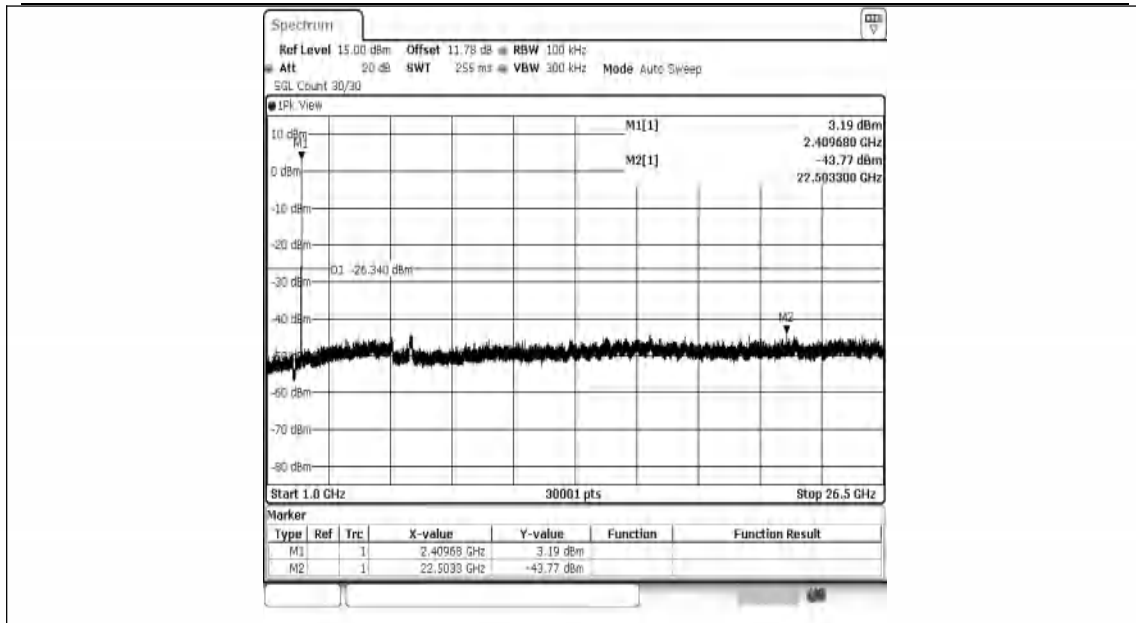
Test Graphs



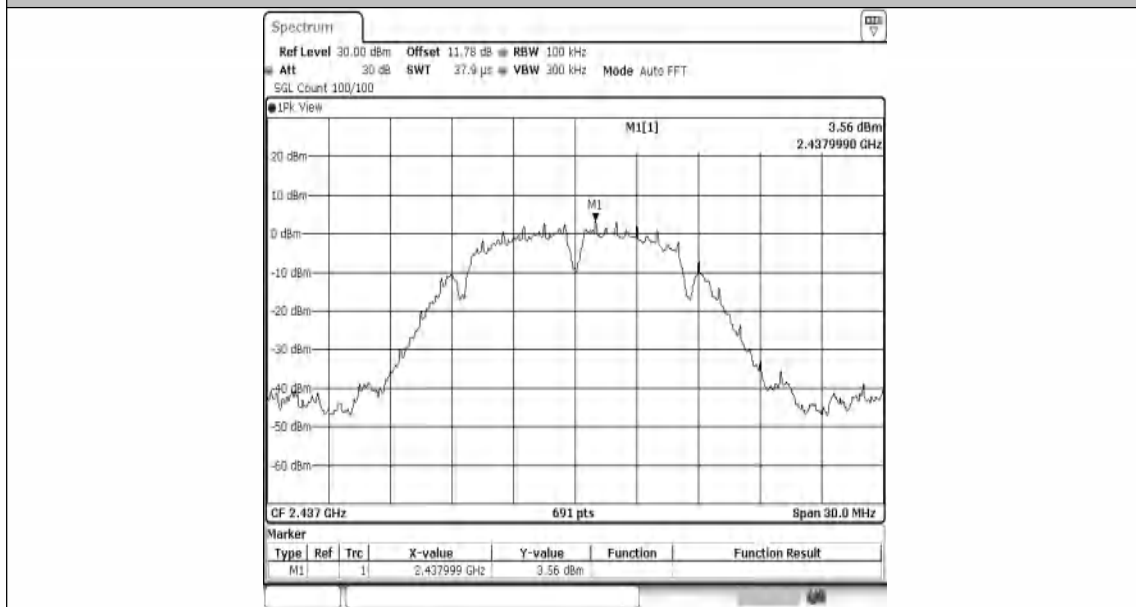
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

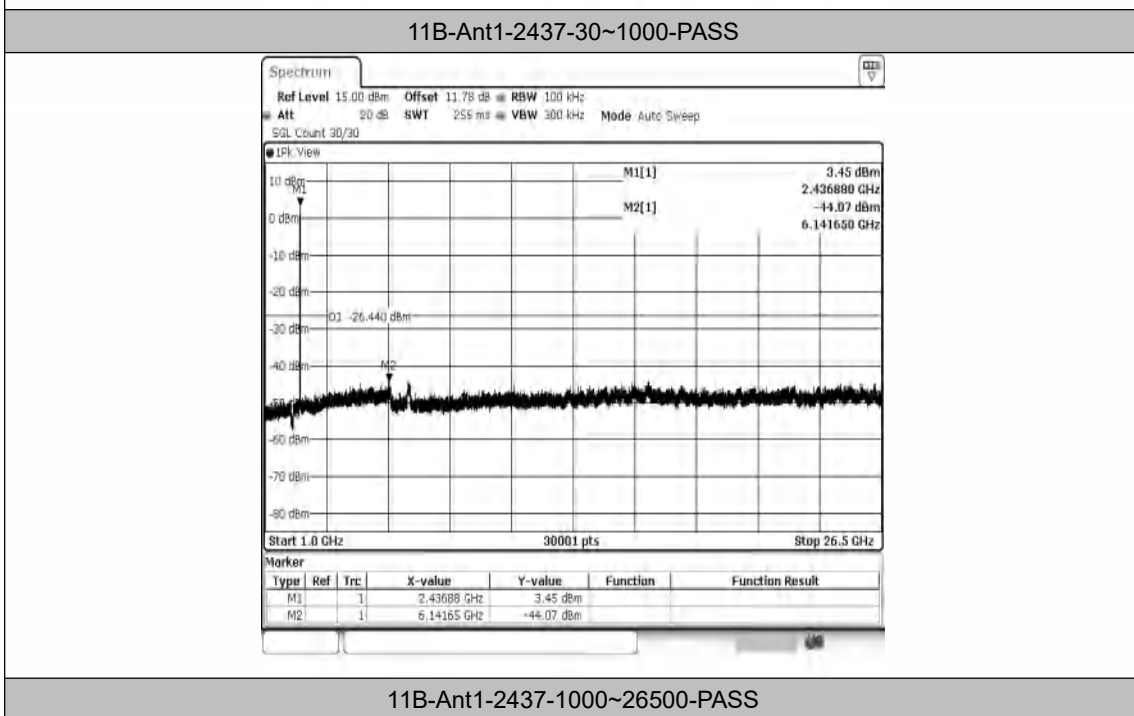
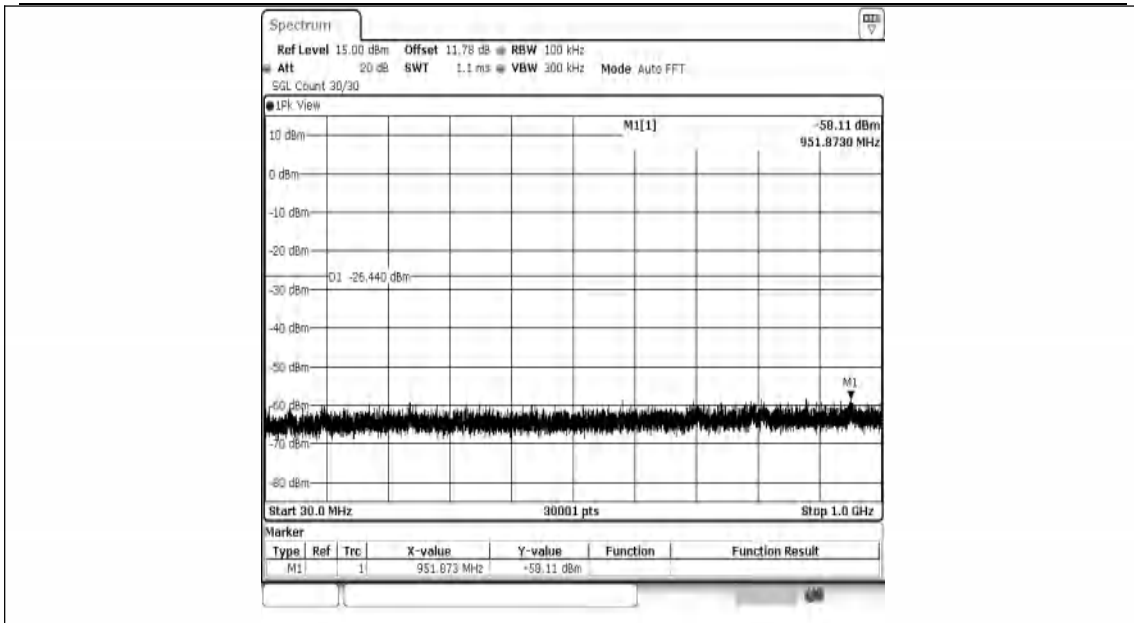
Hotline
400-003-0500
www.anbotek.com

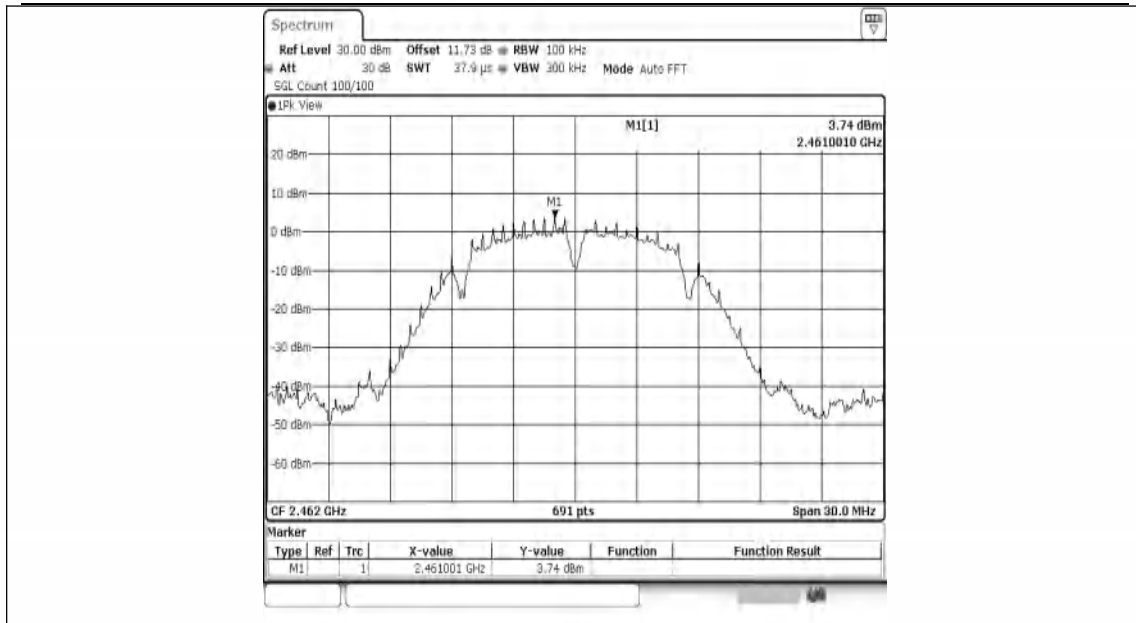


11B-Ant1-2412-1000~26500-PASS

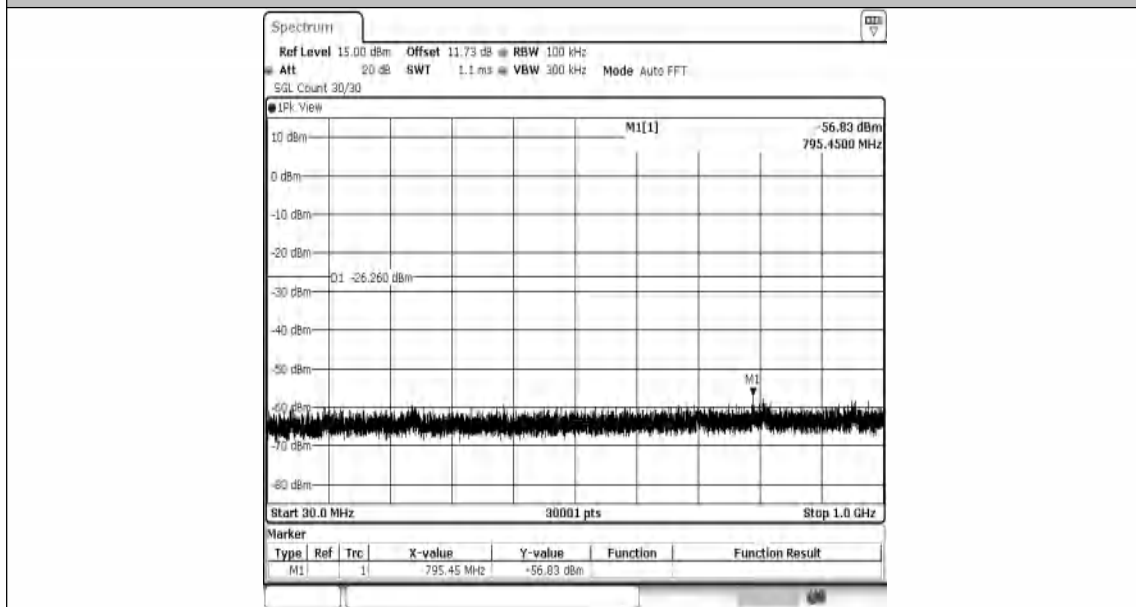


11B-Ant1-2437-0~Reference-PASS

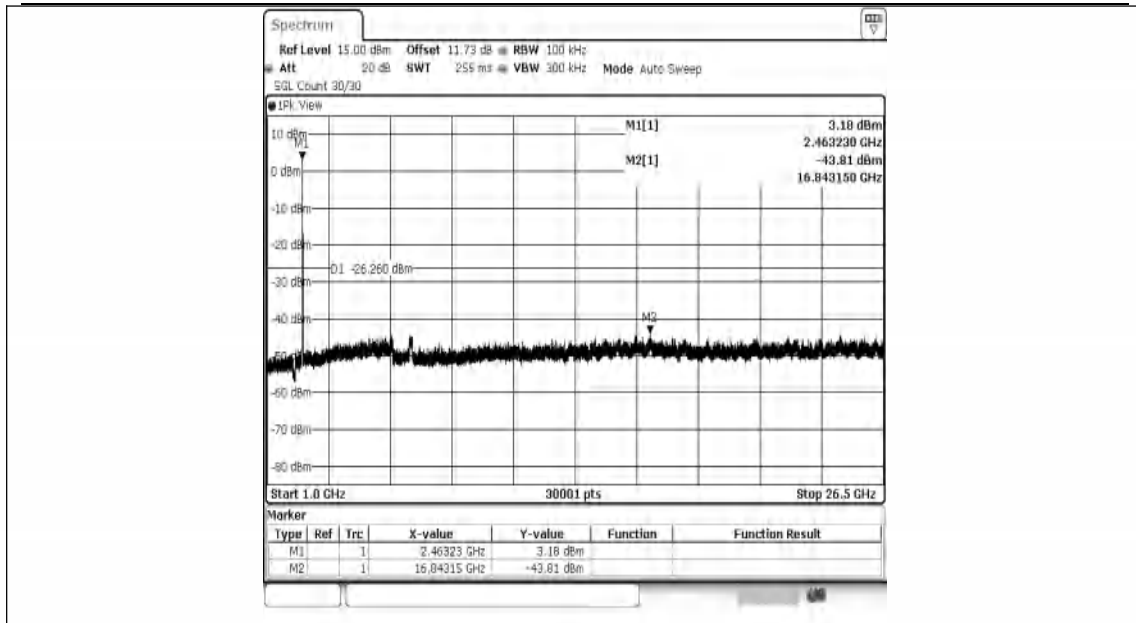




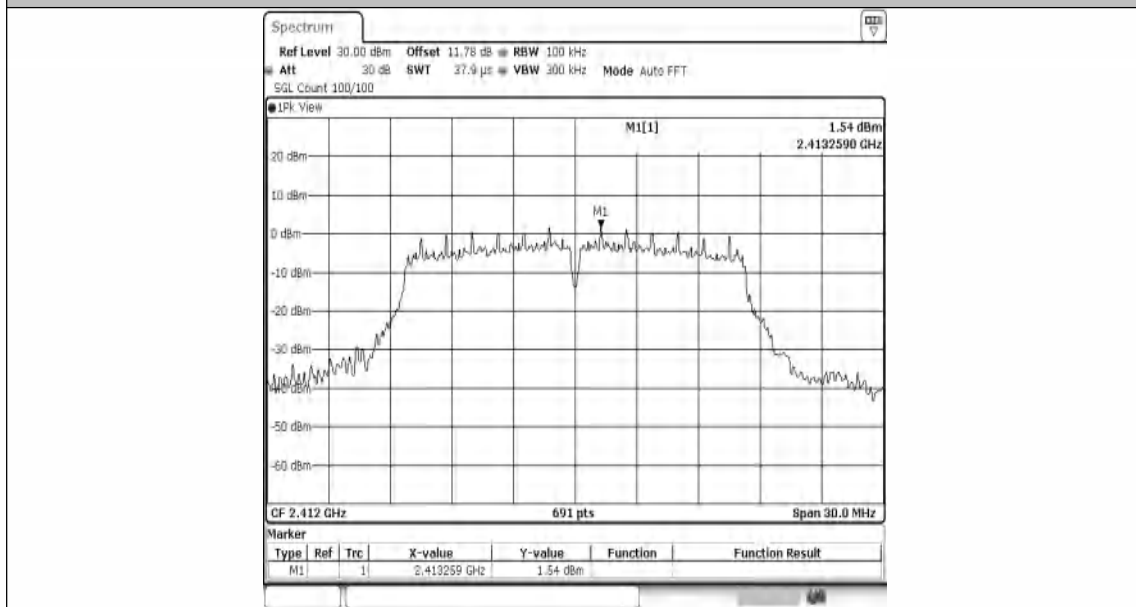
11B-Ant1-2462-0~Reference-PASS



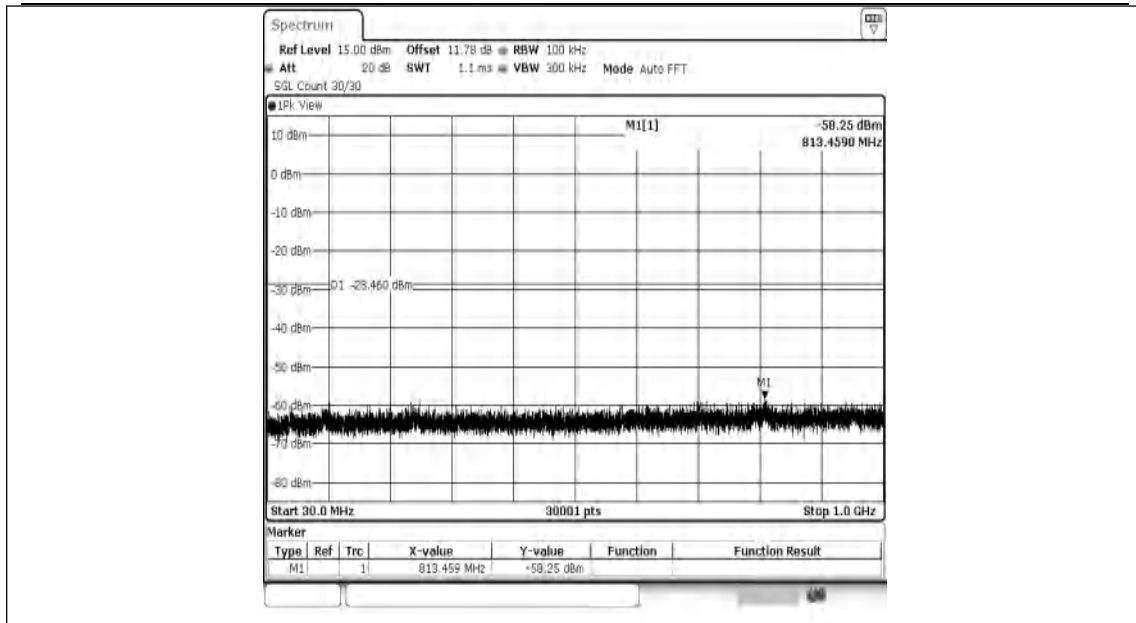
11B-Ant1-2462-30~1000-PASS



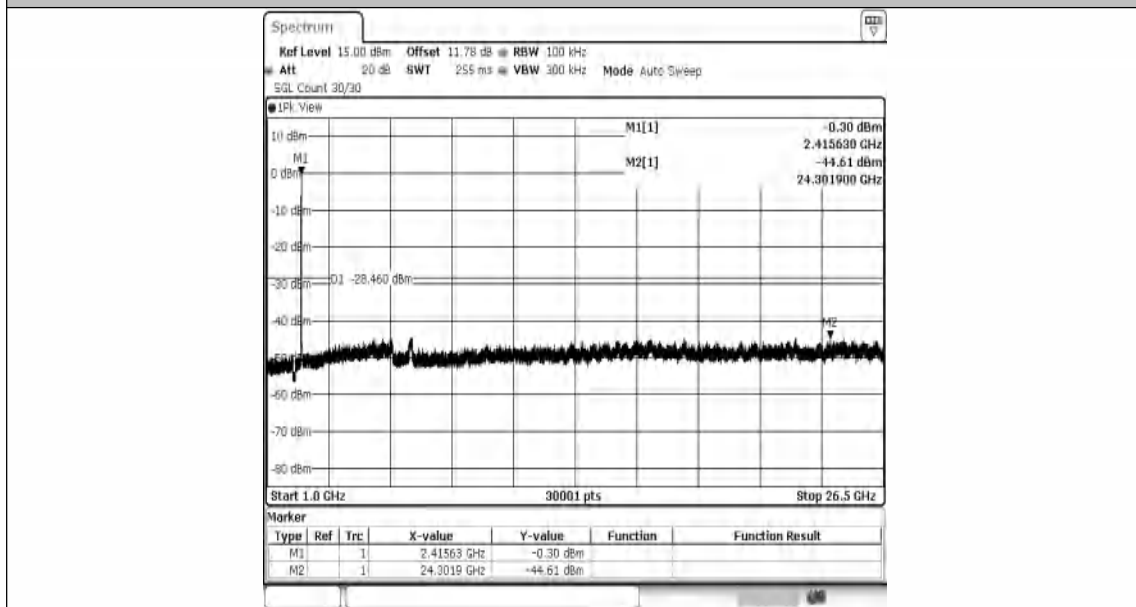
11B-Ant1-2462-1000~26500-PASS



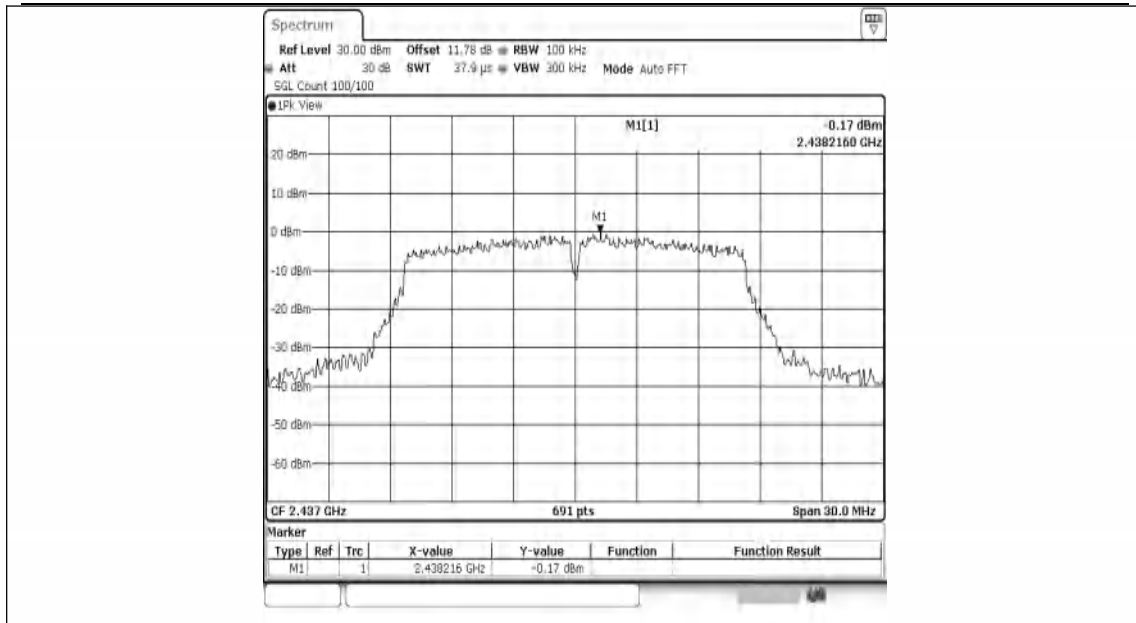
11G-Ant1-2412-0~Reference-PASS



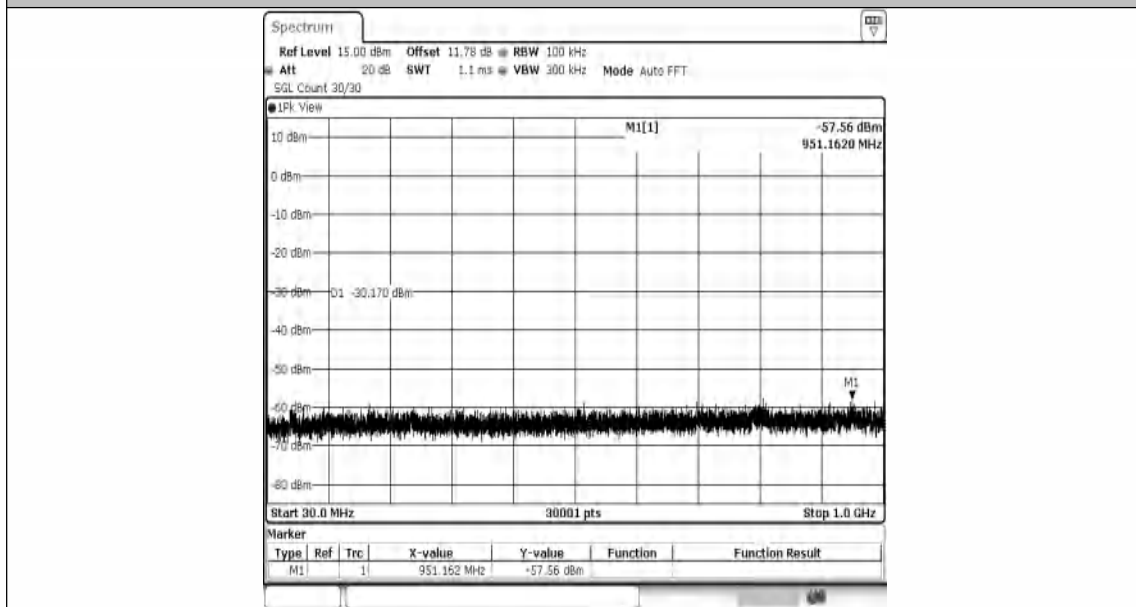
11G-Ant1-2412-30~1000-PASS



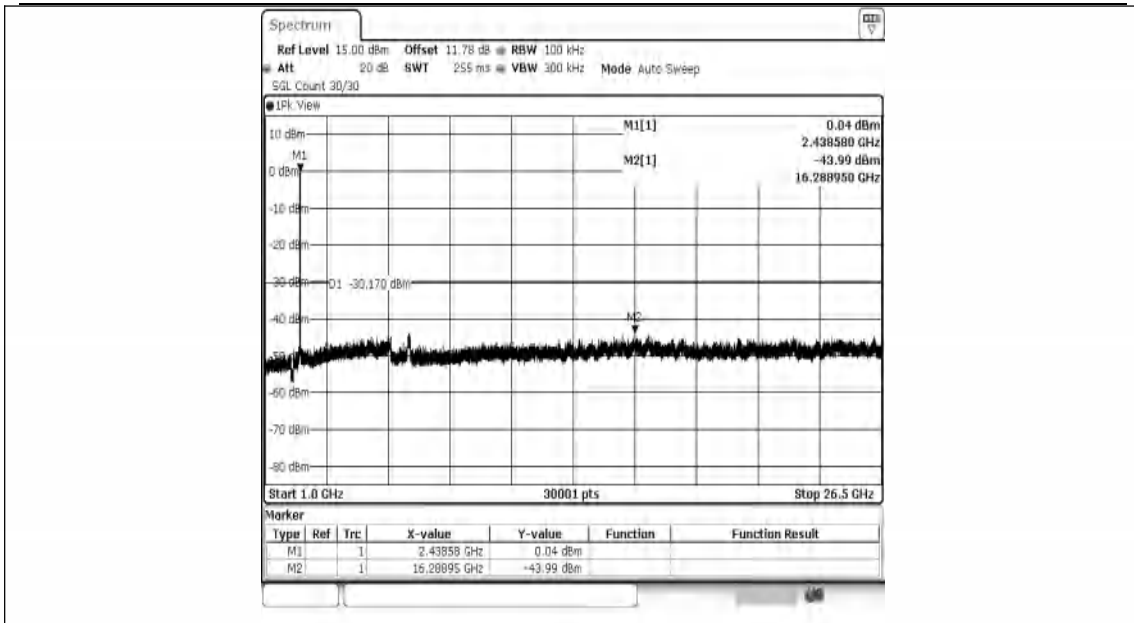
11G-Ant1-2412-1000~26500-PASS



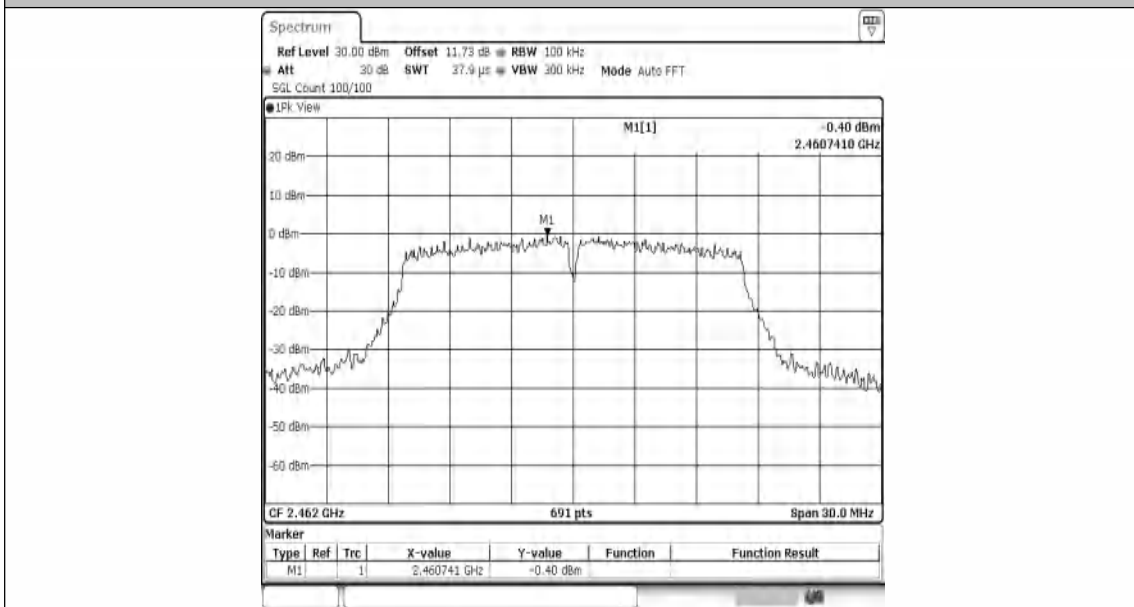
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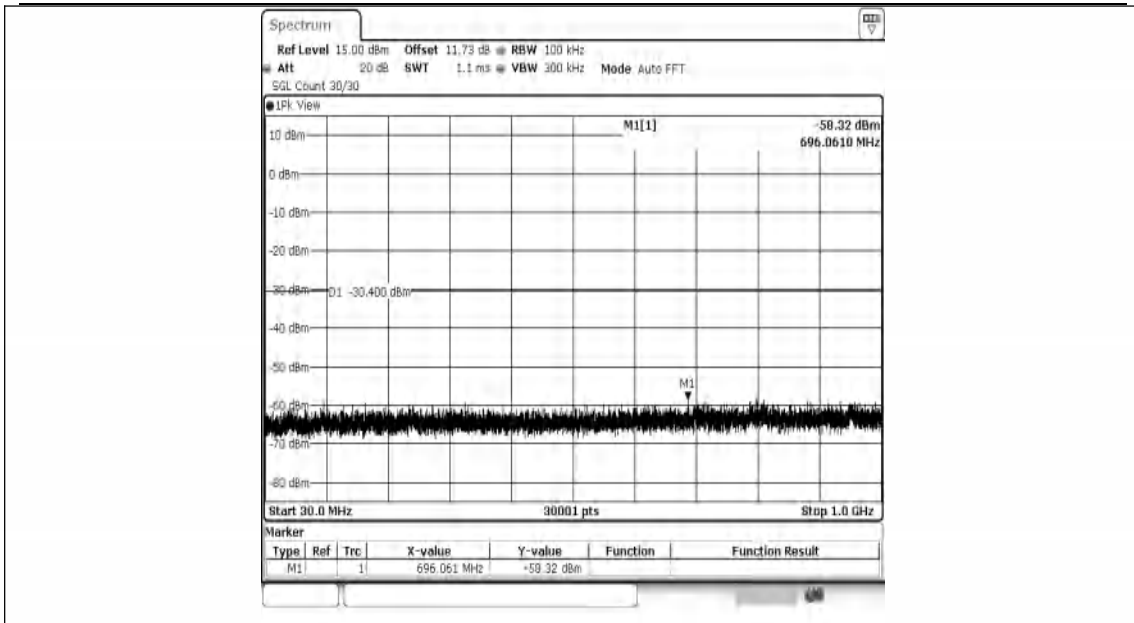
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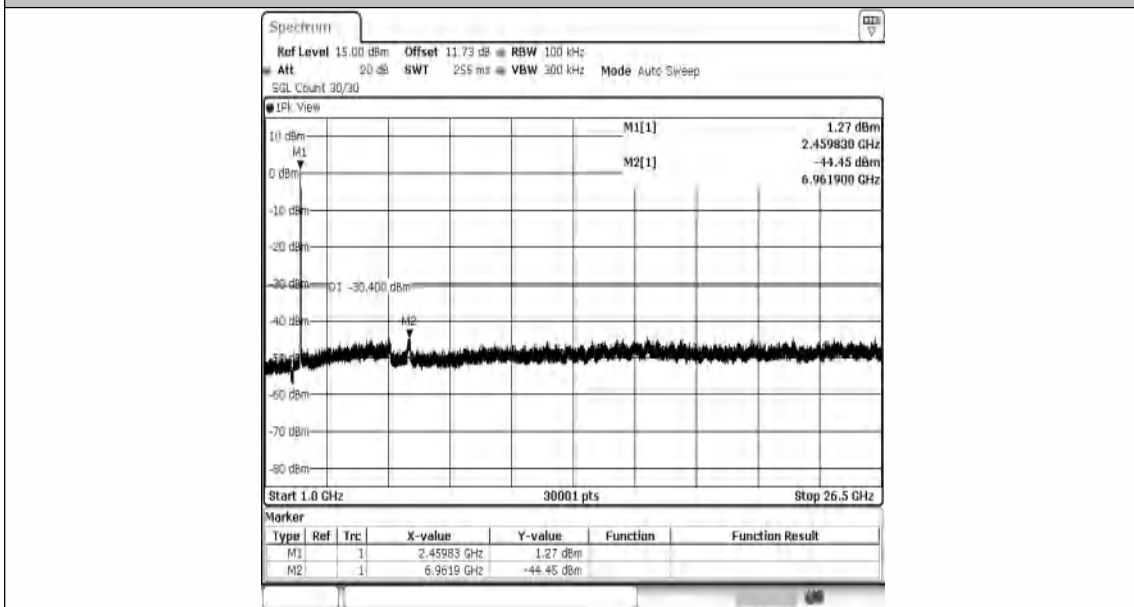
11G-Ant1-2437-1000~26500-PASS



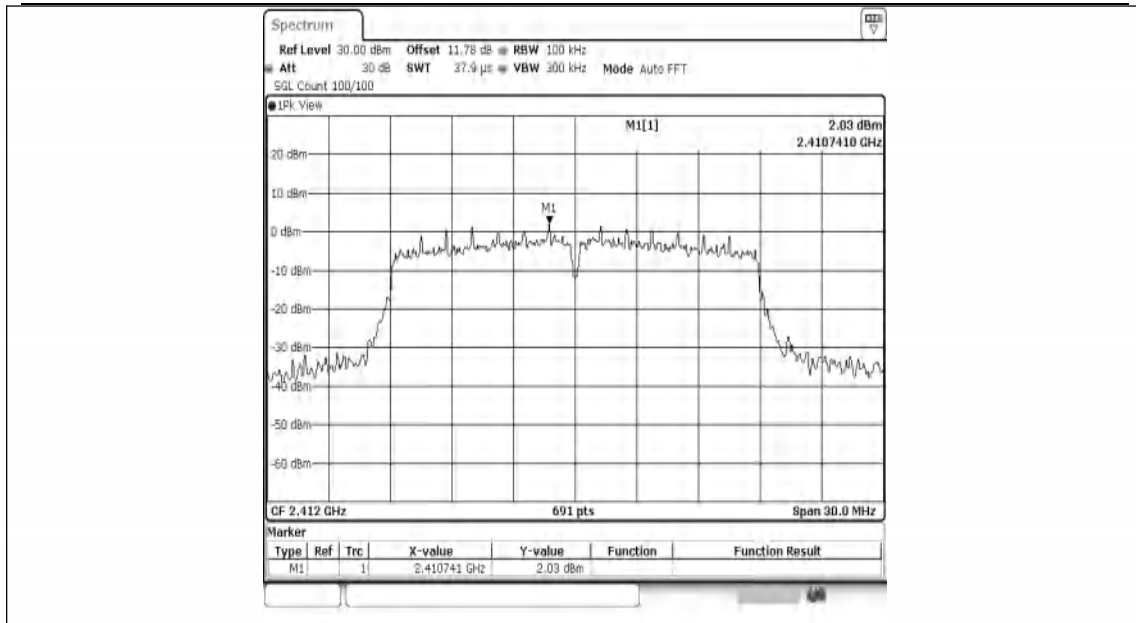
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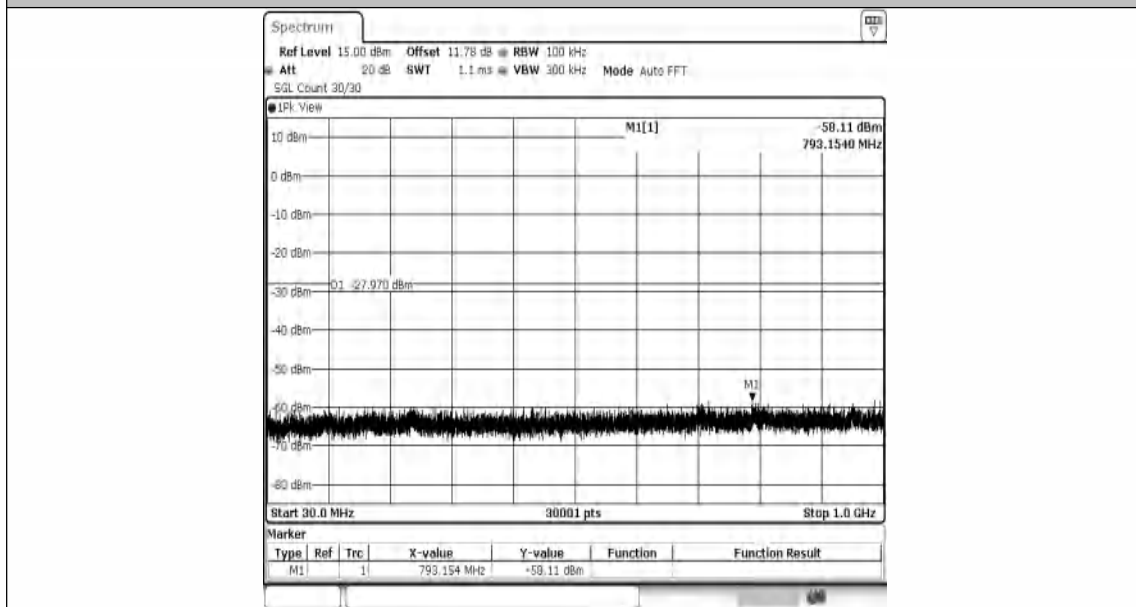
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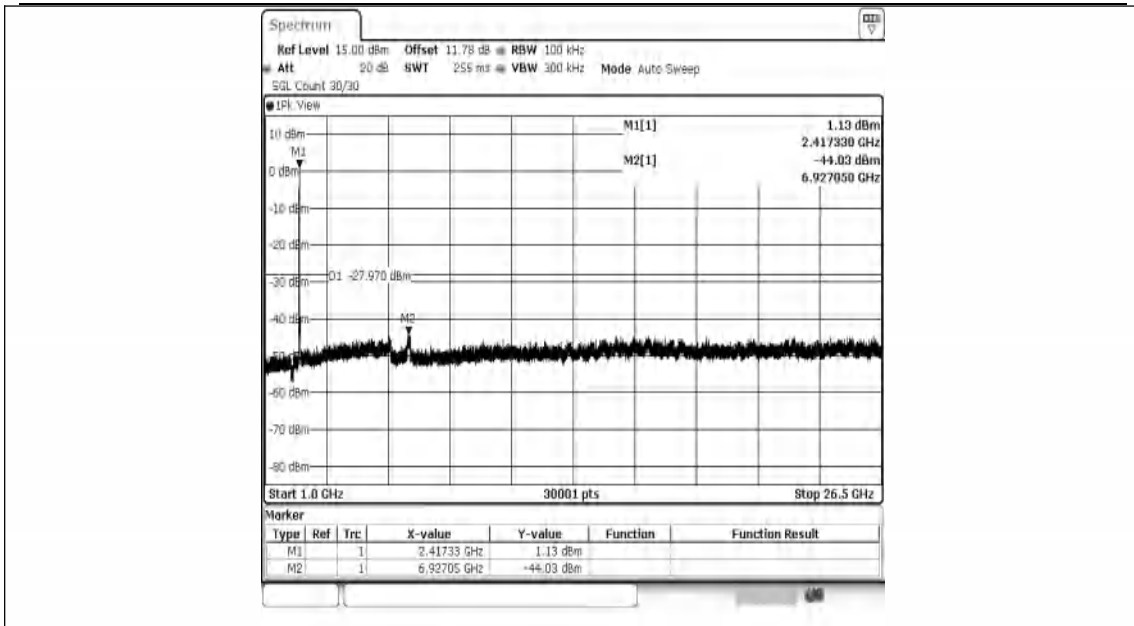
11G-Ant1-2462-1000~26500-PASS



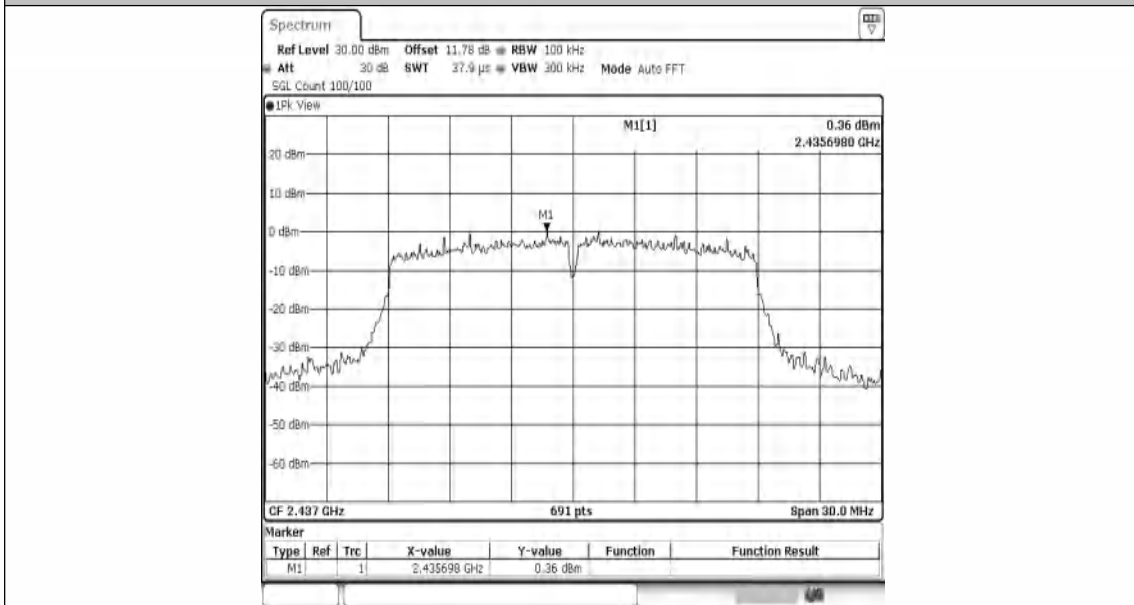
11N20SISO-Ant1-2412-0~Reference-PASS



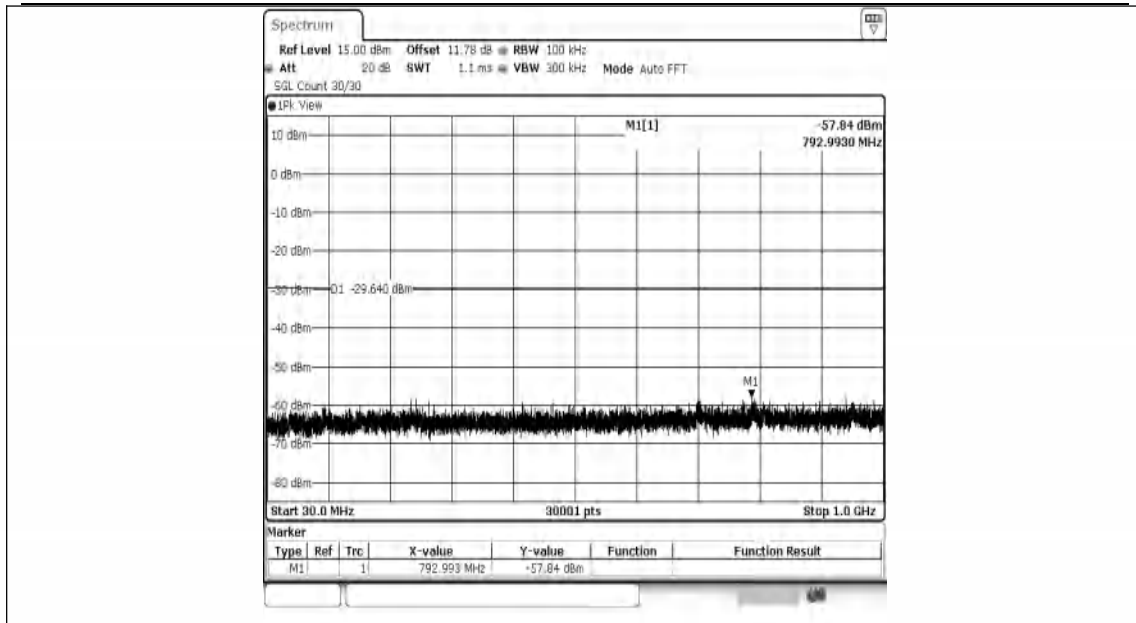
11N20SISO-Ant1-2412-30~1000-PASS



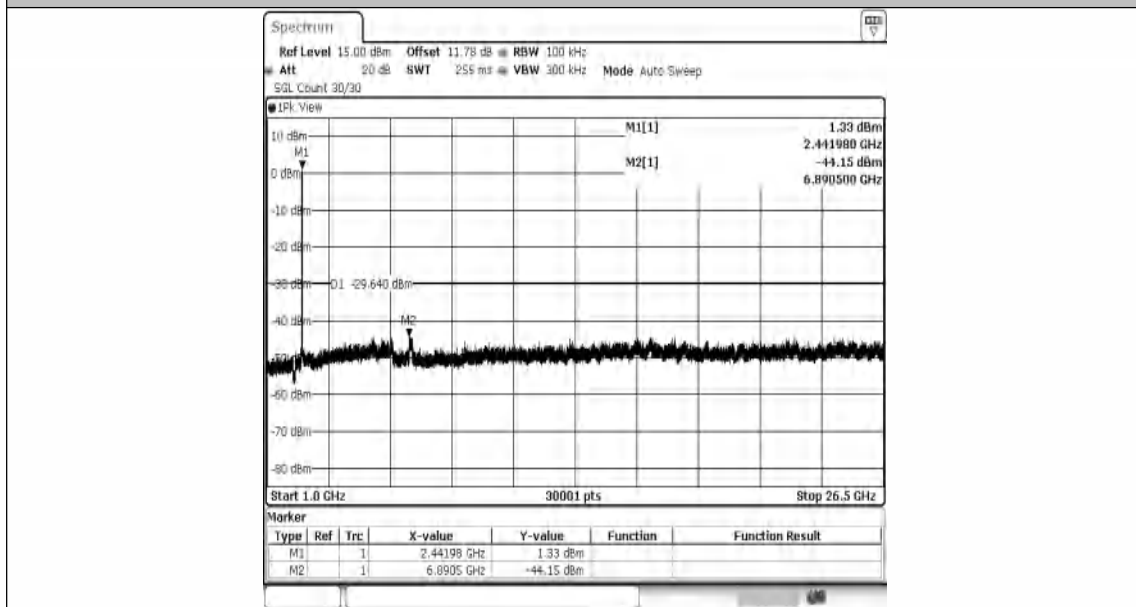
11N20SISO-Ant1-2412-1000~26500-PASS



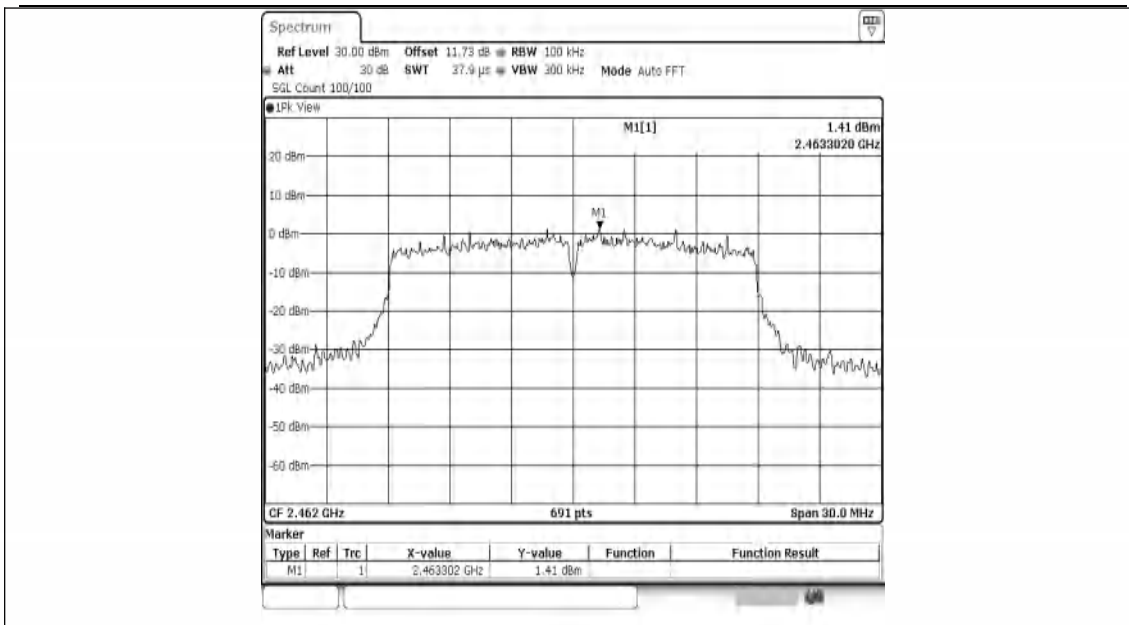
11N20SISO-Ant1-2437-0~Reference-PASS



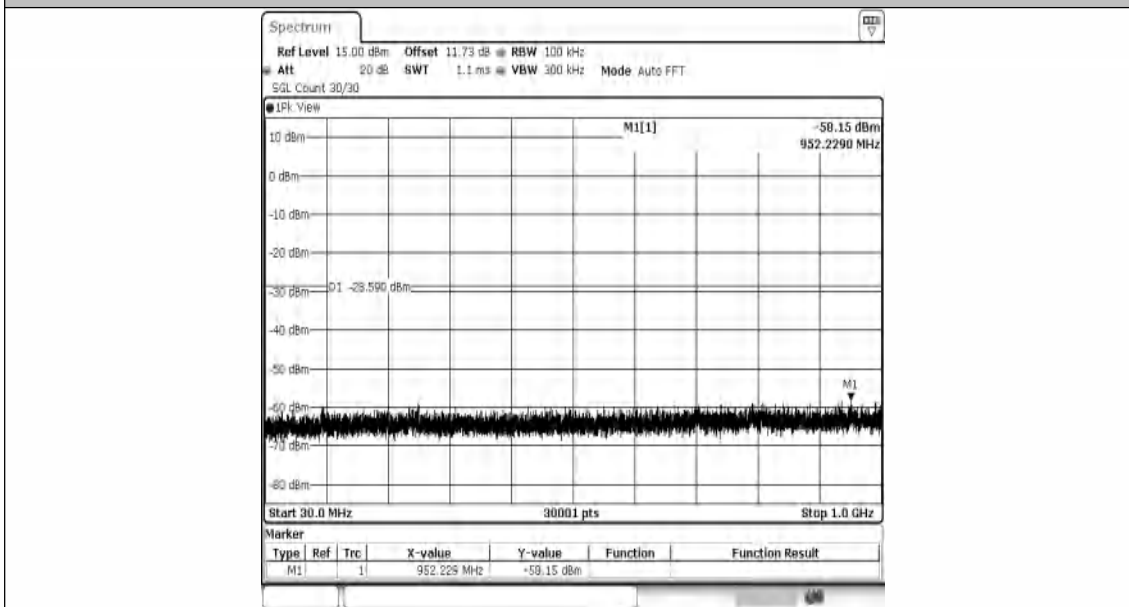
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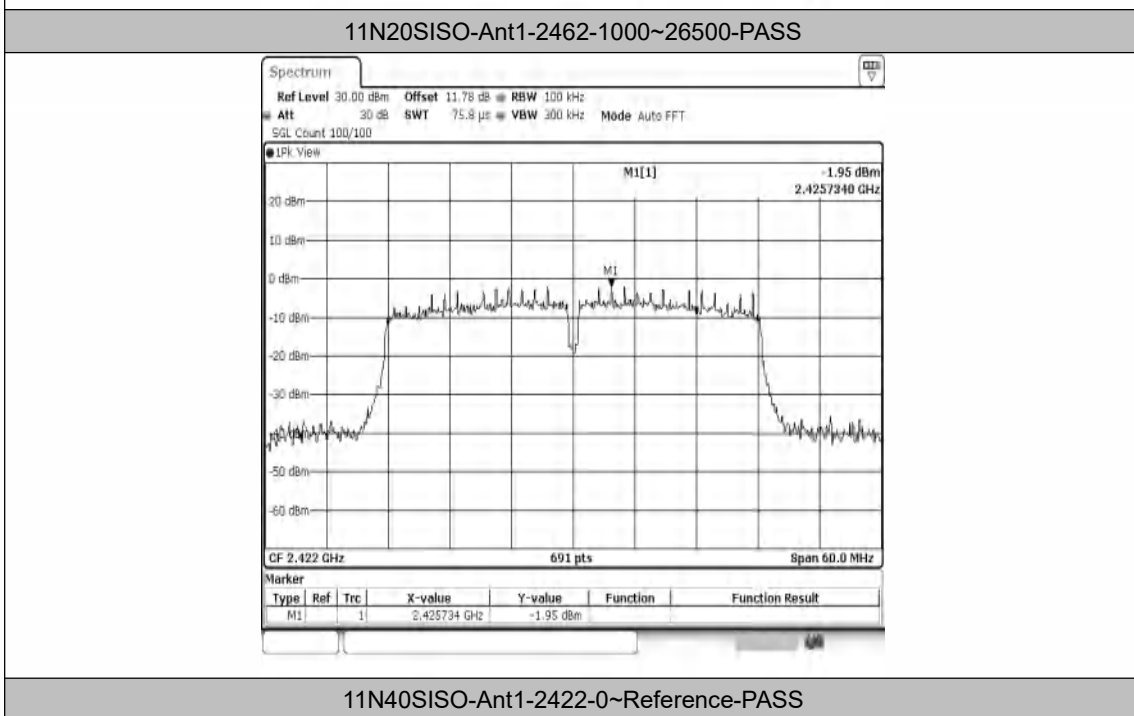
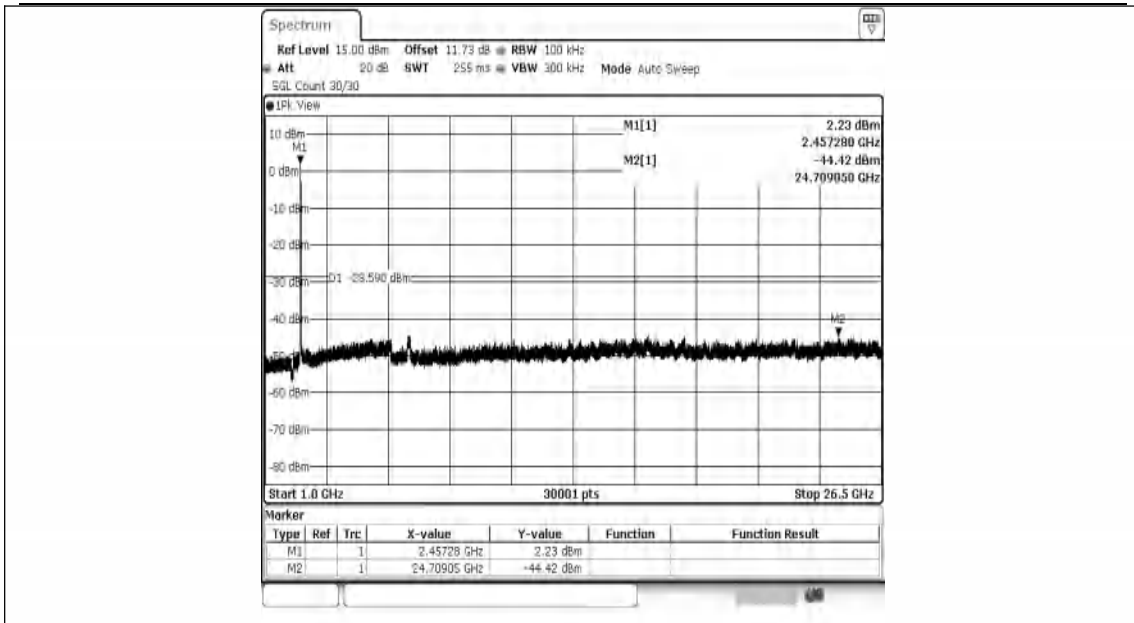
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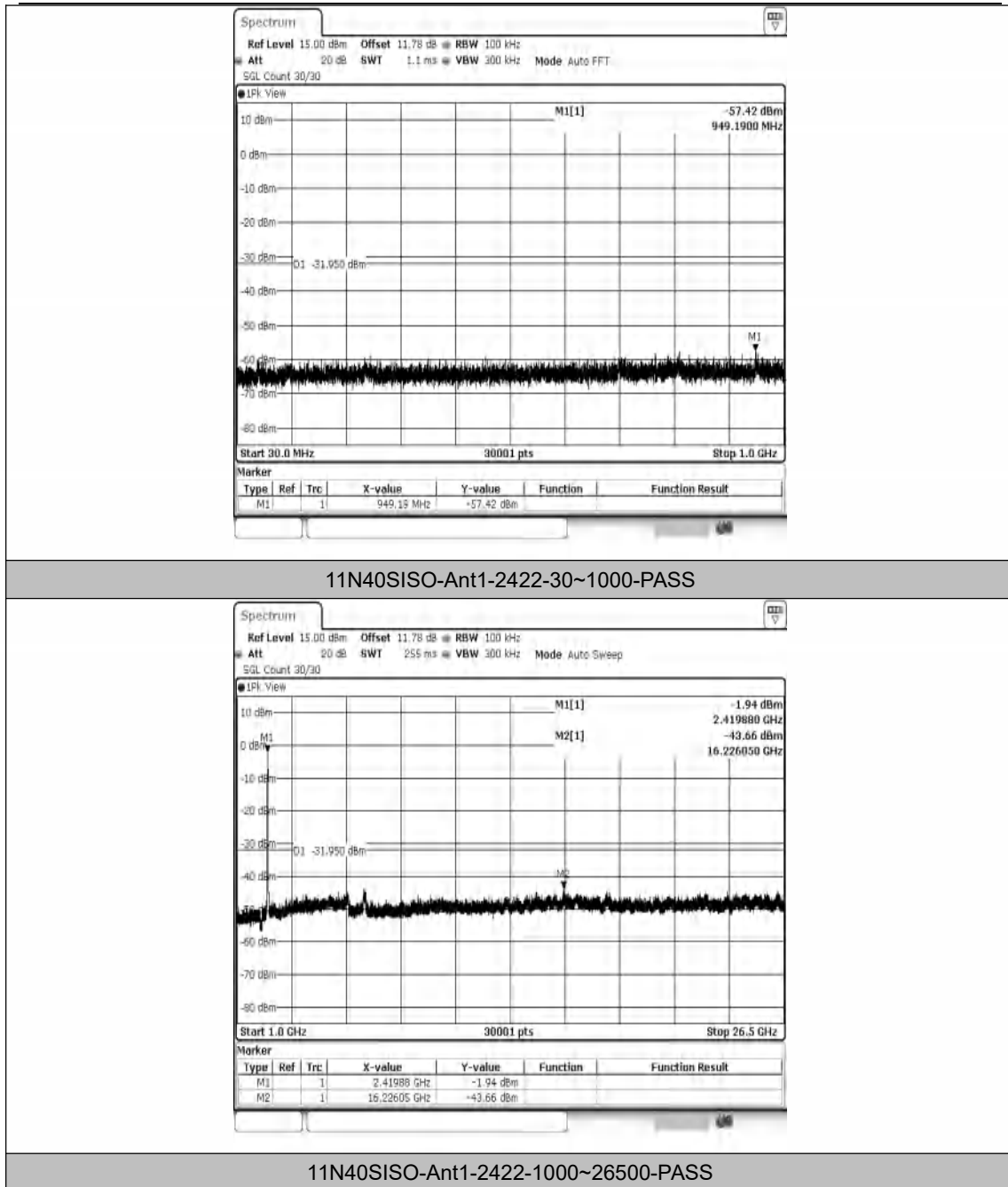


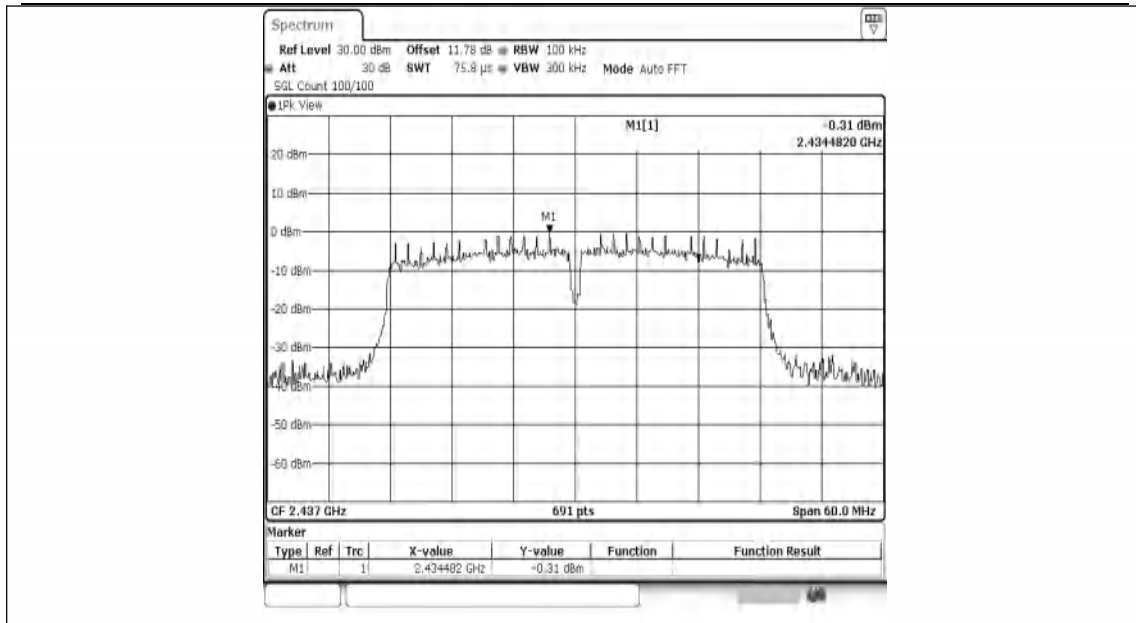
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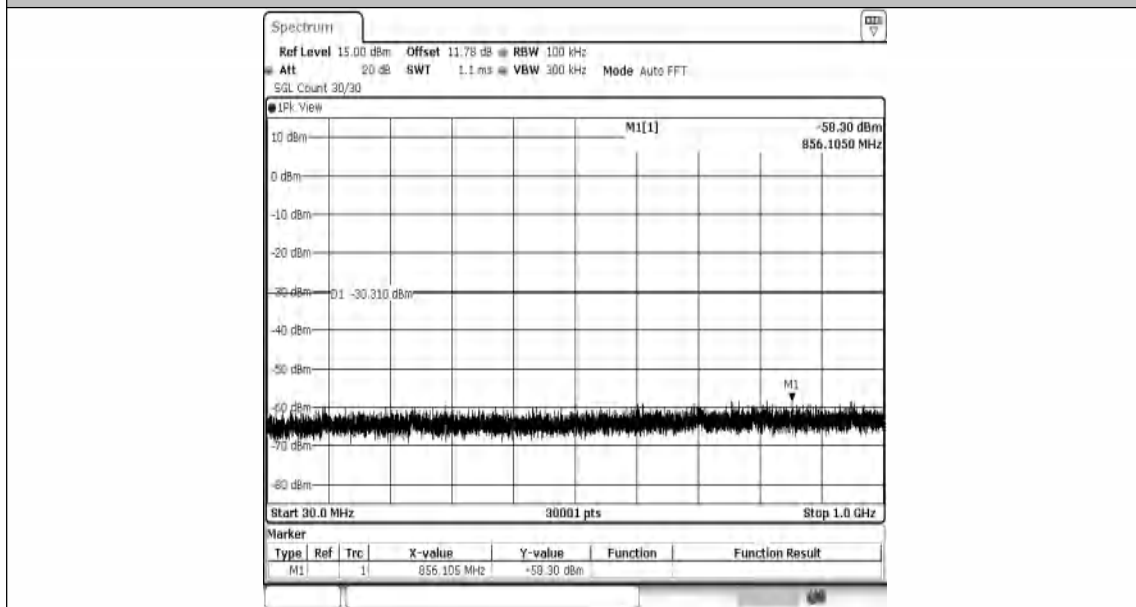
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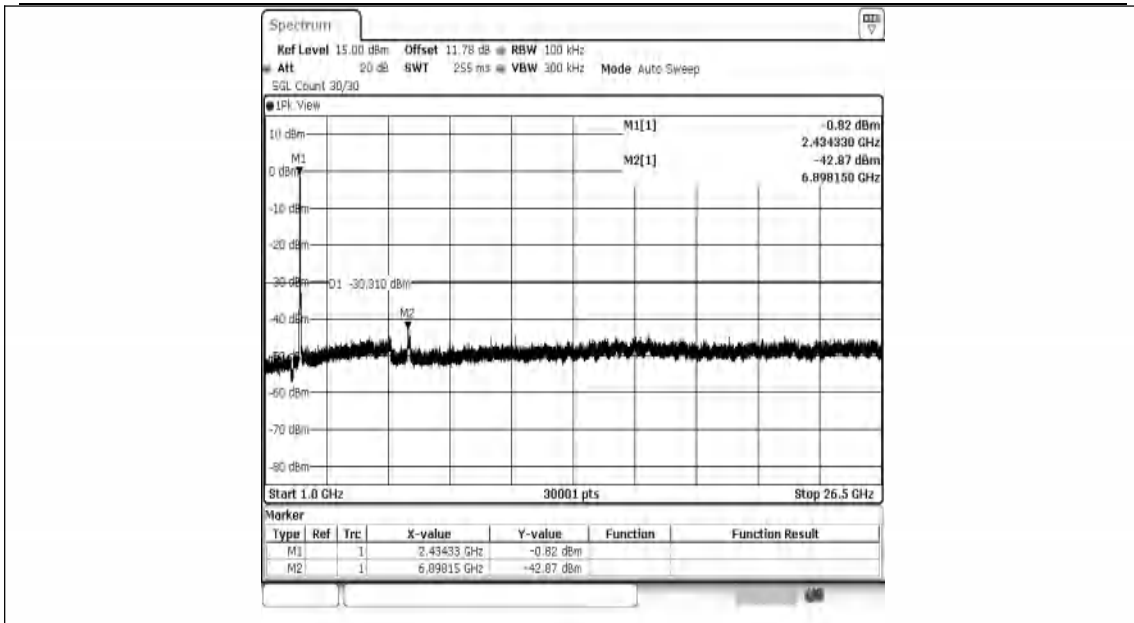




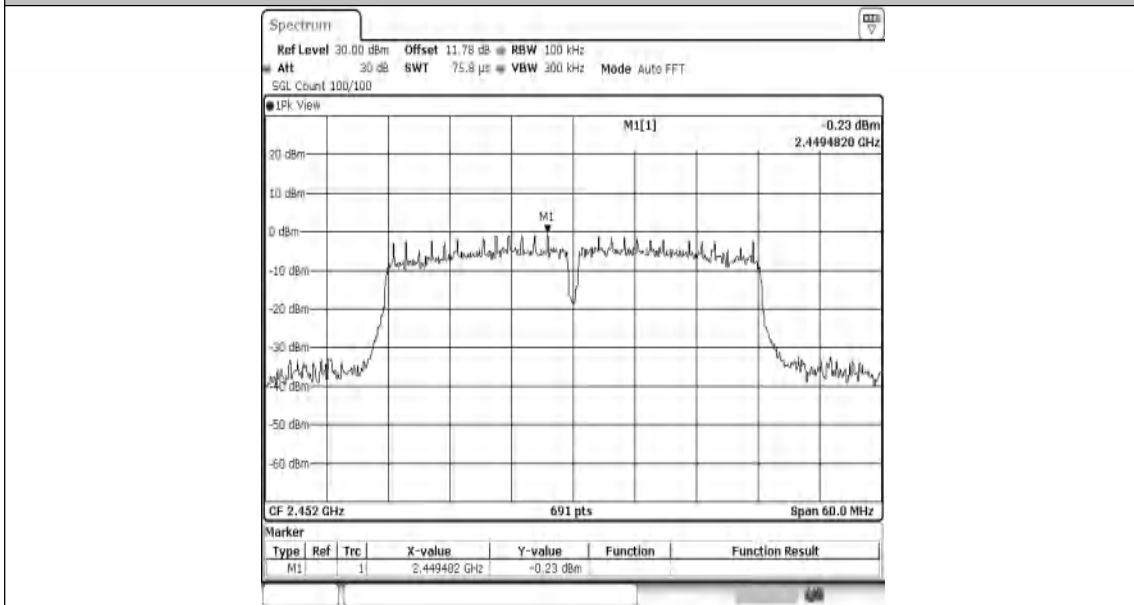
11N40SISO-Ant1-2437-0~Reference-PASS



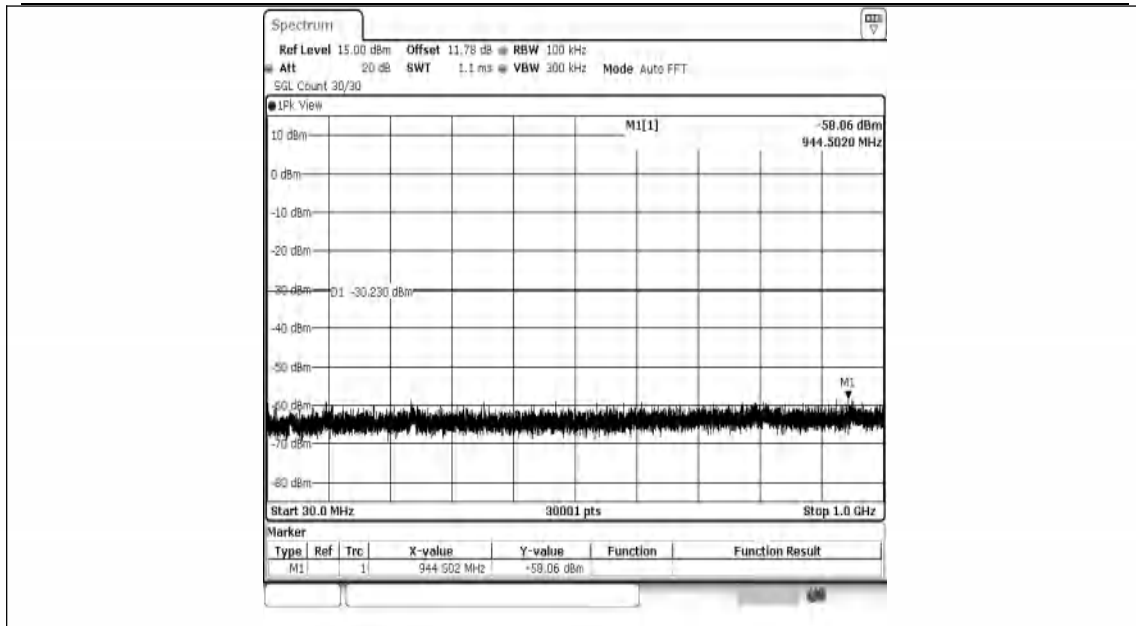
11N40SISO-Ant1-2437-30~1000-PASS



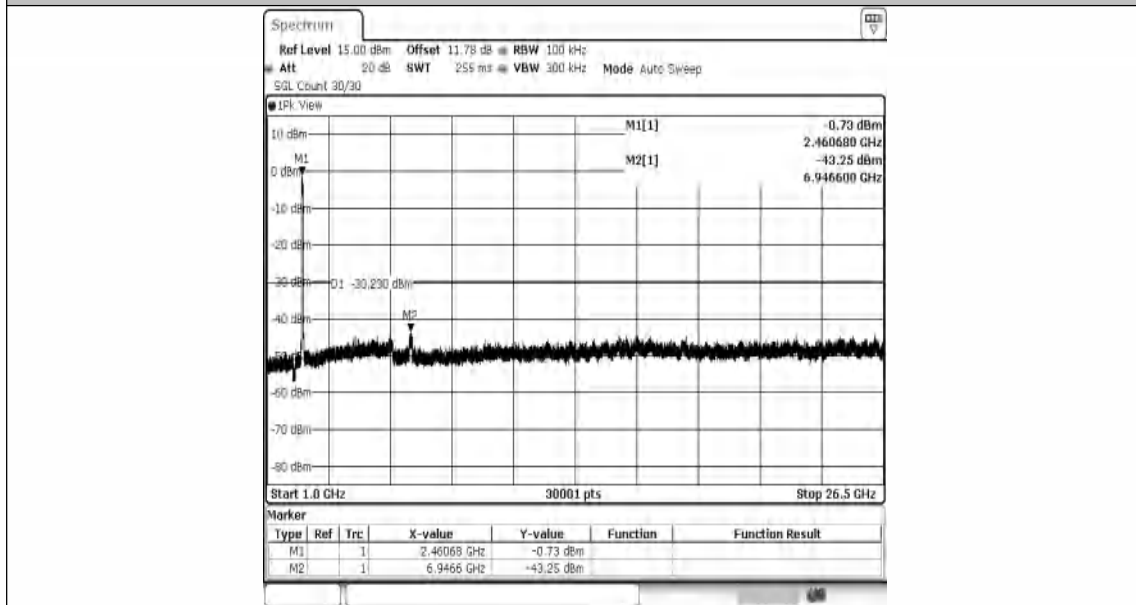
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



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



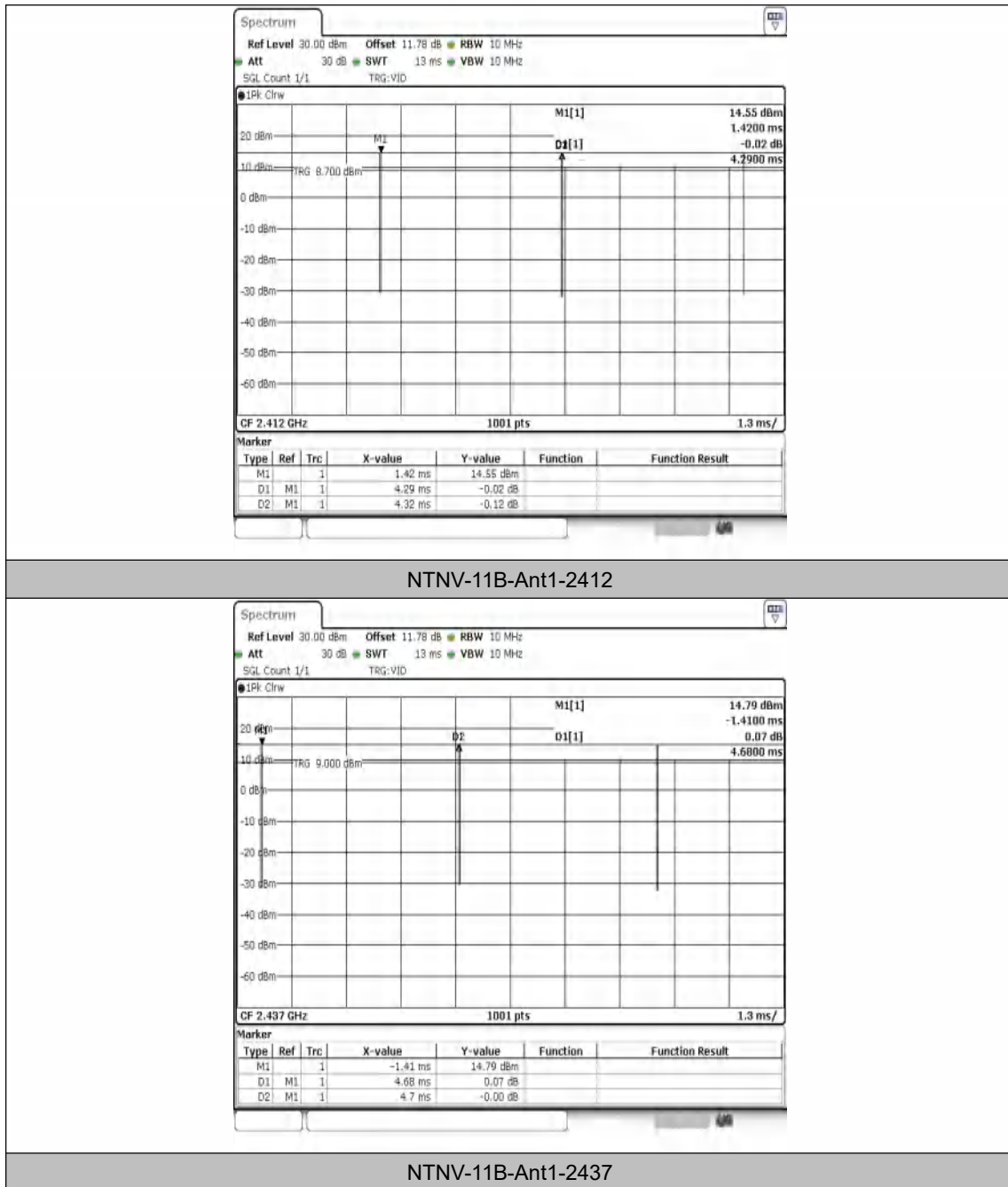
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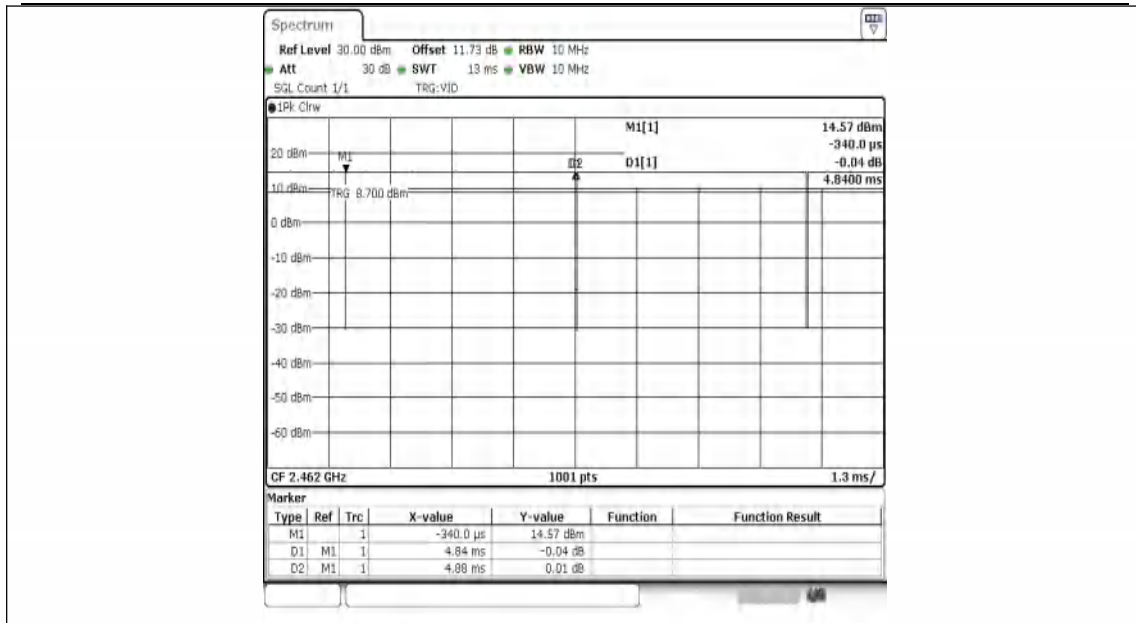
Appendix G: Duty Cycle

Test Result

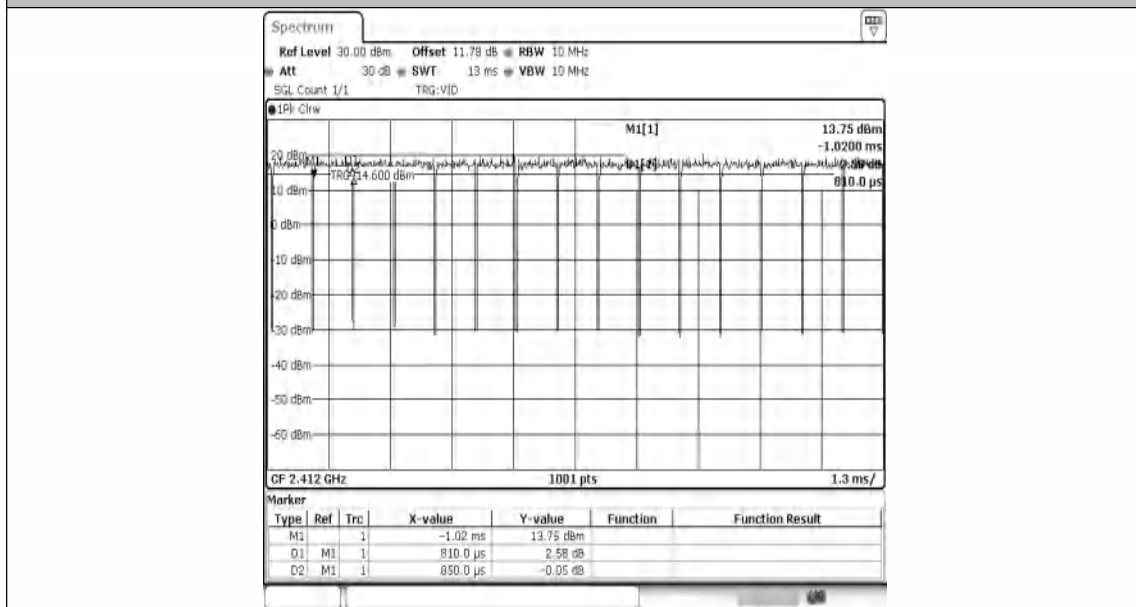
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	4.29	4.32	99.31	0.03
11B	Ant1	2437	4.68	4.70	99.57	0.02
11B	Ant1	2462	4.84	4.88	99.18	0.04
11G	Ant1	2412	0.81	0.85	95.29	0.21
11G	Ant1	2437	0.81	0.85	95.29	0.21
11G	Ant1	2462	0.82	0.85	96.47	0.16
11N20SISO	Ant1	2412	0.78	0.81	96.30	0.16
11N20SISO	Ant1	2437	0.78	0.82	95.12	0.22
11N20SISO	Ant1	2462	0.78	0.82	95.12	0.22
11N40SISO	Ant1	2422	0.39	0.43	90.70	0.42
11N40SISO	Ant1	2437	0.39	0.43	90.70	0.42
11N40SISO	Ant1	2452	0.39	0.42	92.86	0.32

Test Graphs

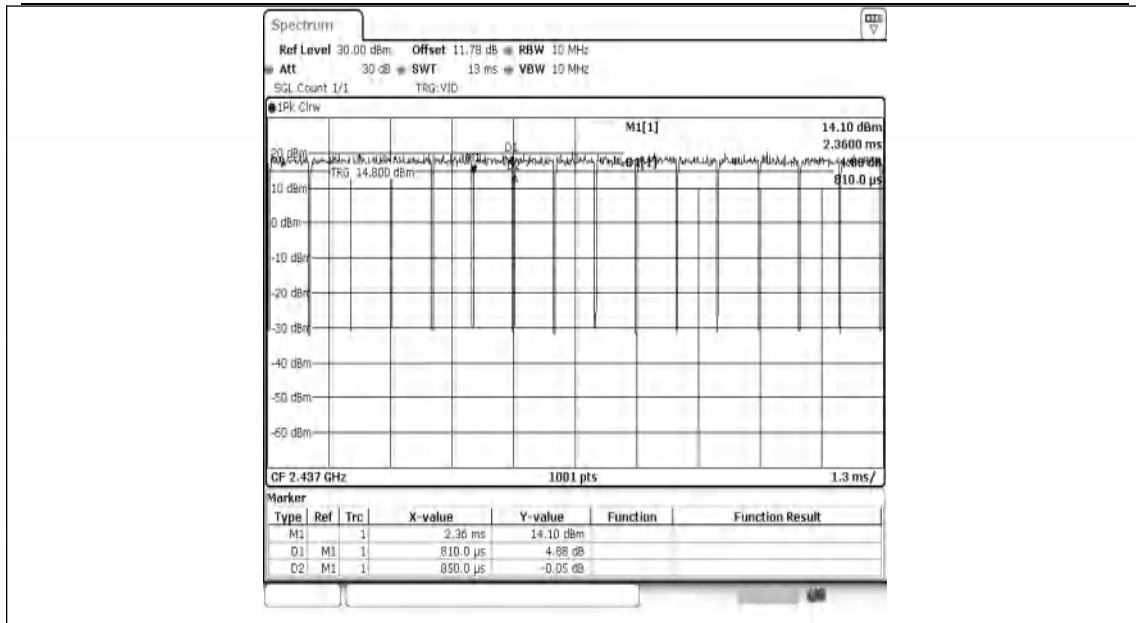




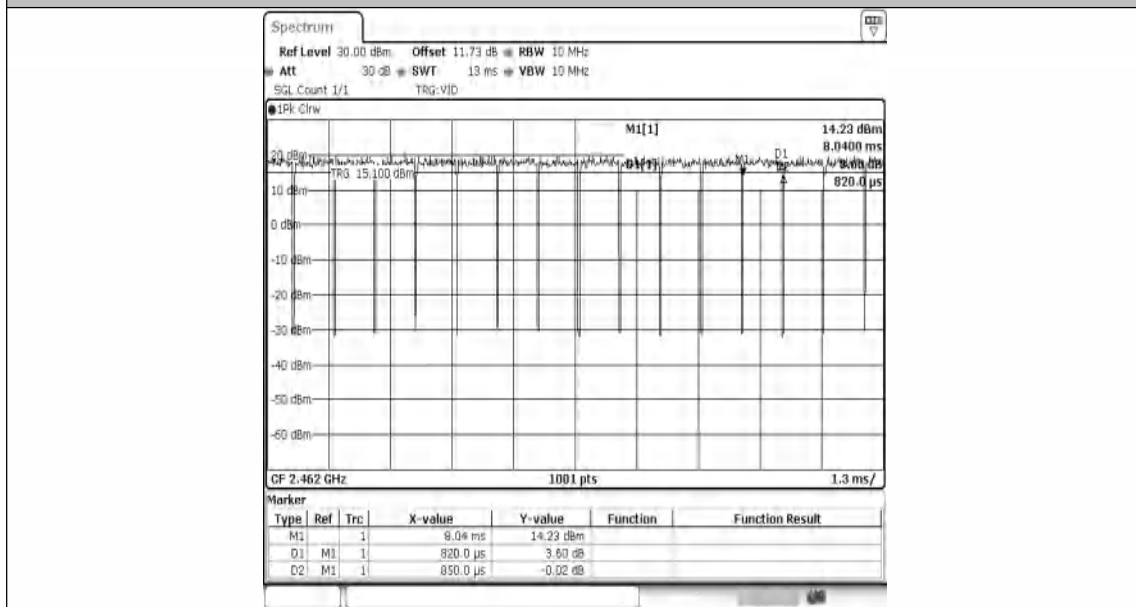
NTNV-11B-Ant1-2462



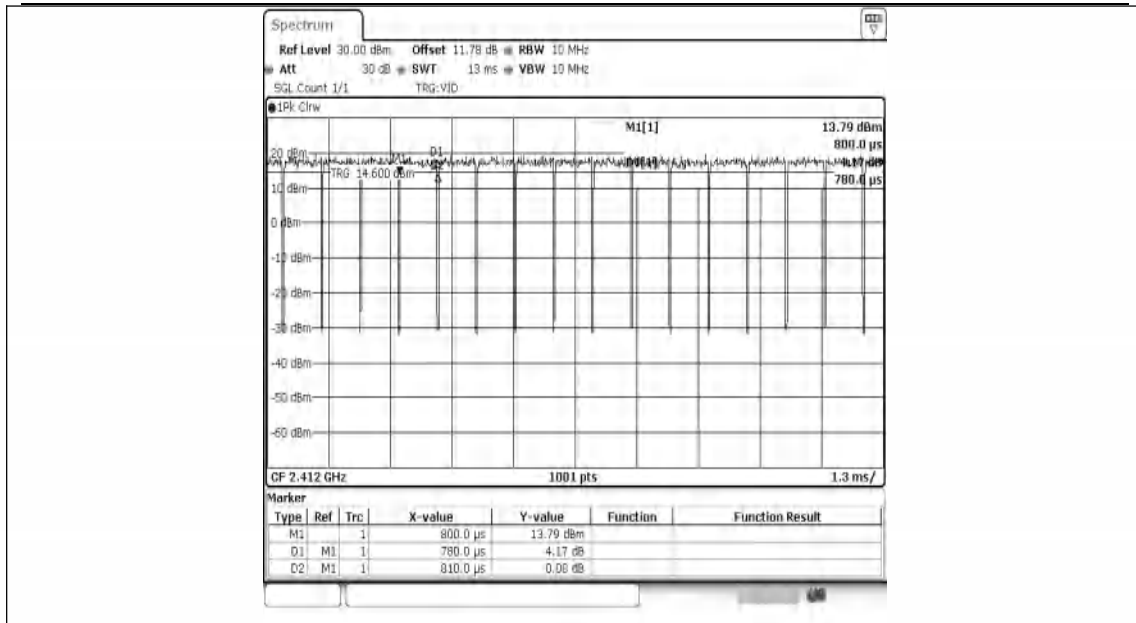
NTNV-11G-Ant1-2412



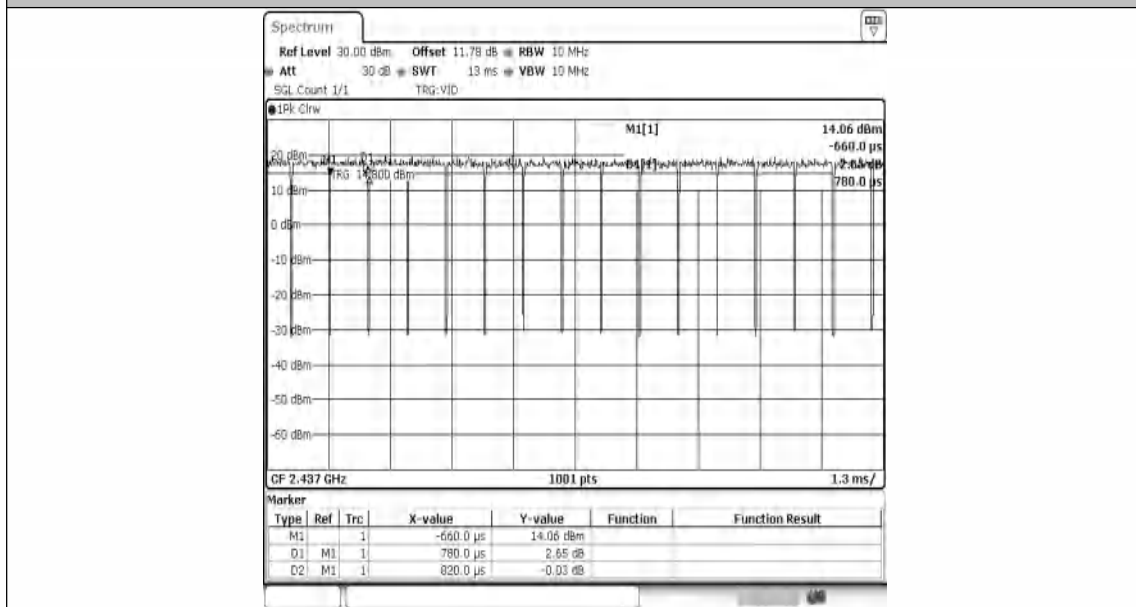
NTNV-11G-Ant1-2437



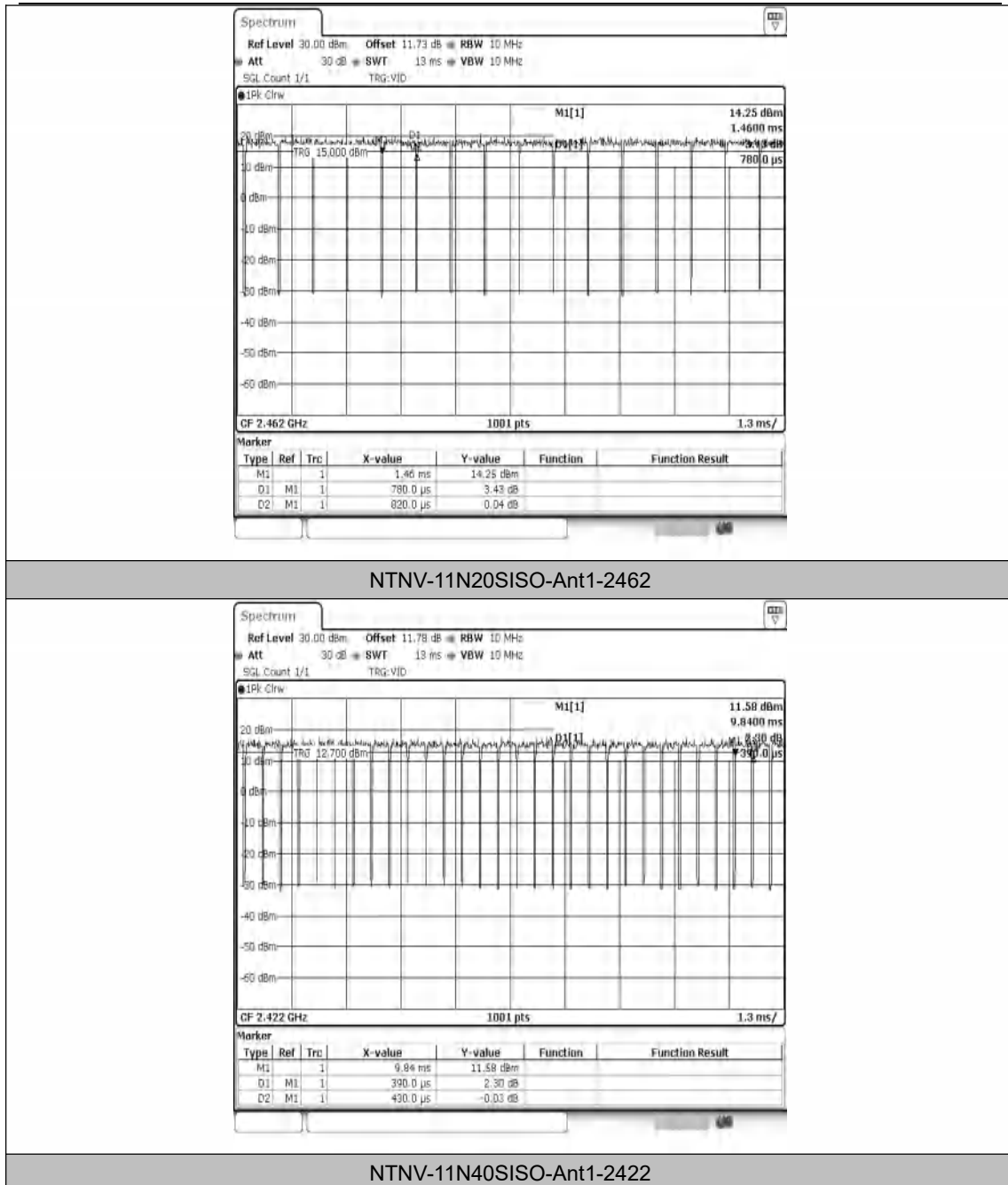
NTNV-11G-Ant1-2462

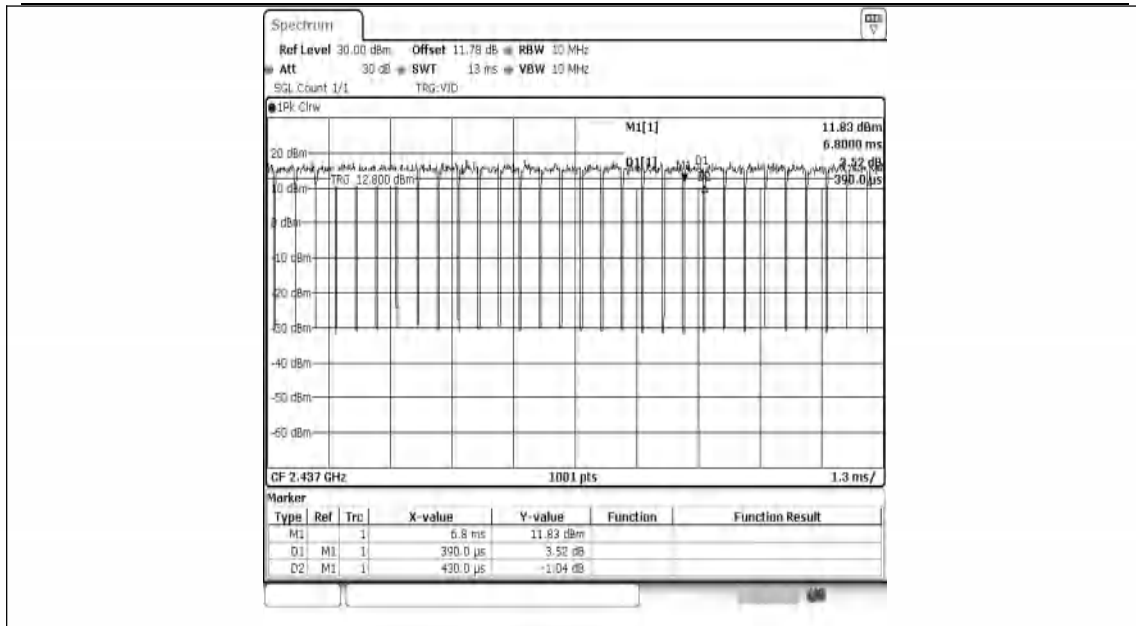


NTNV-11N20SISO-Ant1-2412

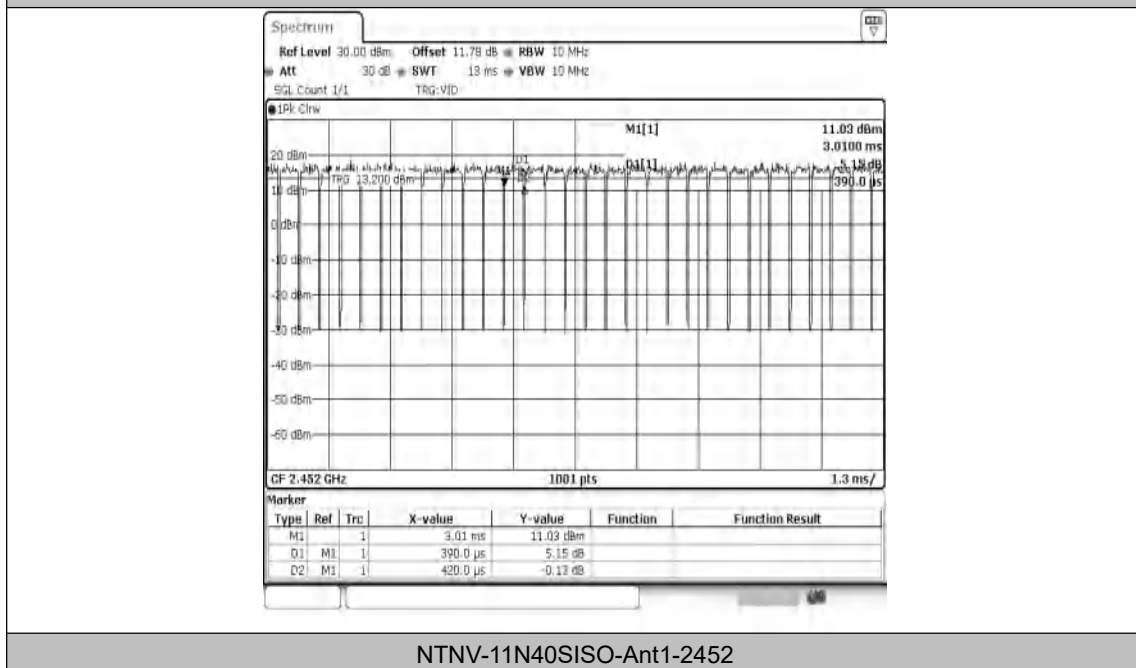


NTNV-11N20SISO-Ant1-2437





NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

---End---