

Appendix Test Data

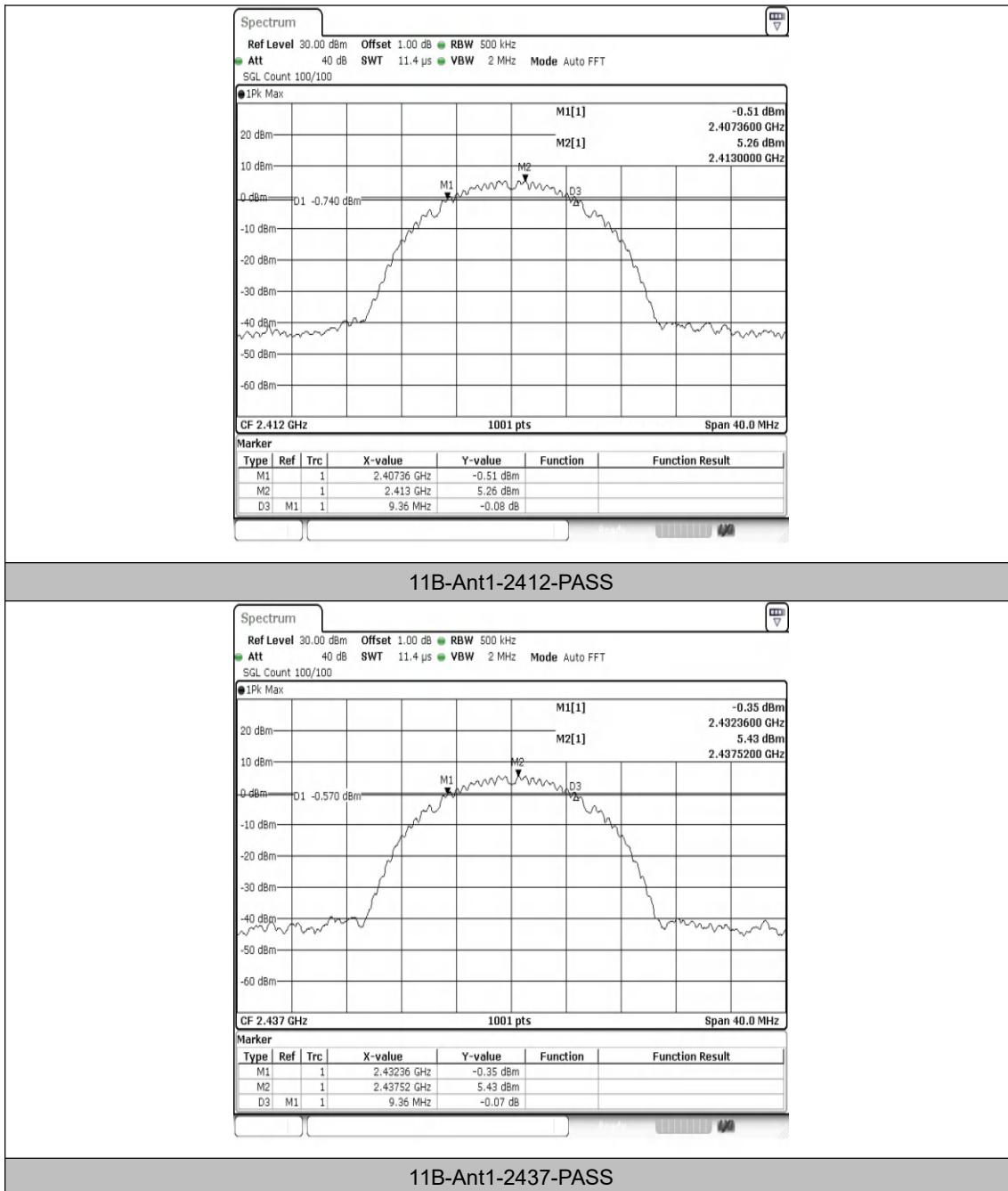
Report No.:	1812C50341012502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-7-15
Test Engineer:	dylan. Ma	Auditor:	Justin Feng
Temperature:	22.7°C	Relative Humidity:	58%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.36	2407.36	2416.72	0.5	PASS
11B	Ant1	2437	9.36	2432.36	2441.72	0.5	PASS
11B	Ant1	2462	9.36	2457.36	2466.72	0.5	PASS
11G	Ant1	2412	16.48	2403.84	2420.32	0.5	PASS
11G	Ant1	2437	16.40	2428.88	2445.28	0.5	PASS
11G	Ant1	2462	16.36	2453.96	2470.32	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.24	2420.88	0.5	PASS
11N20SISO	Ant1	2437	17.52	2428.24	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.72	2453.20	2470.92	0.5	PASS

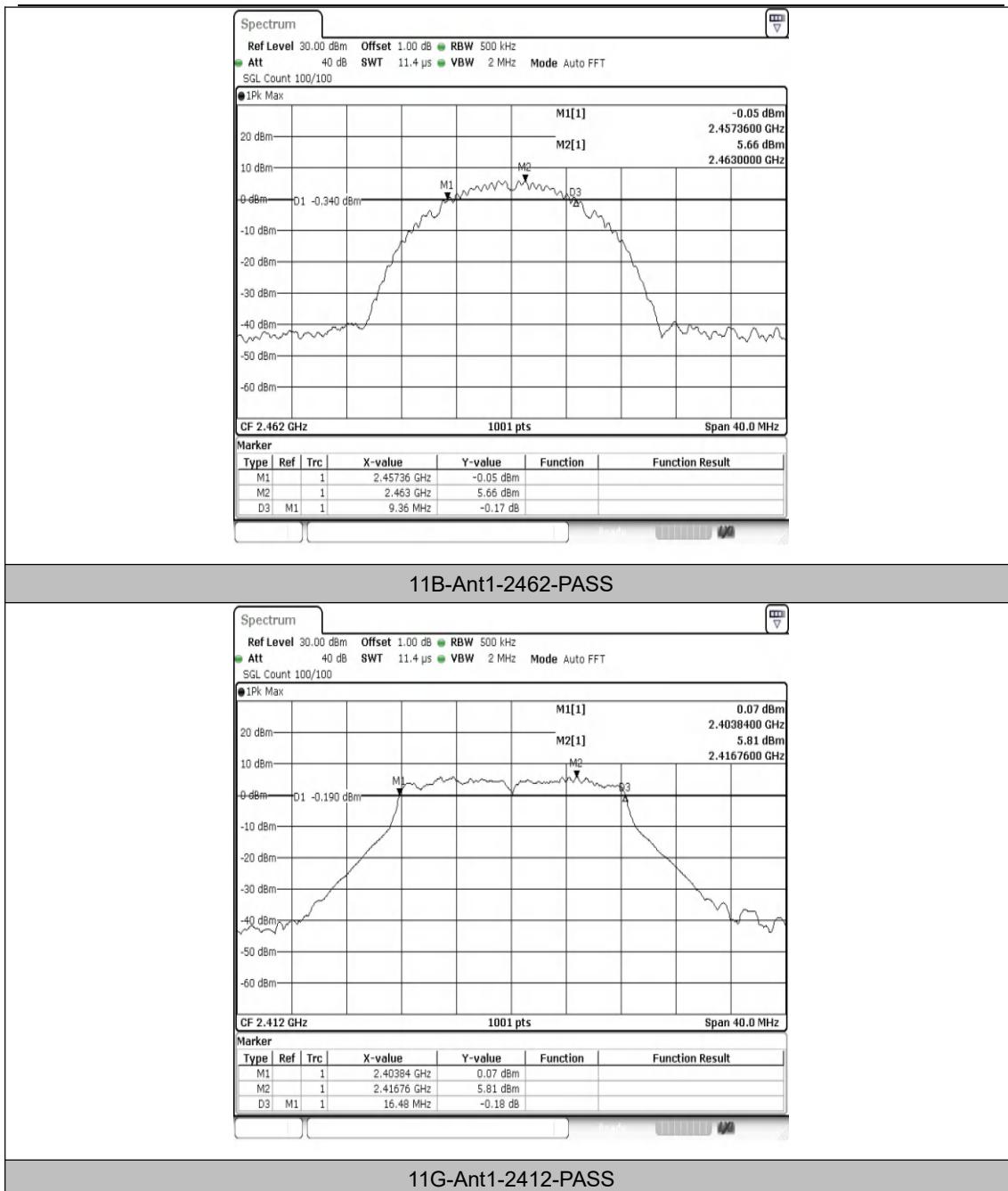
Test Graphs



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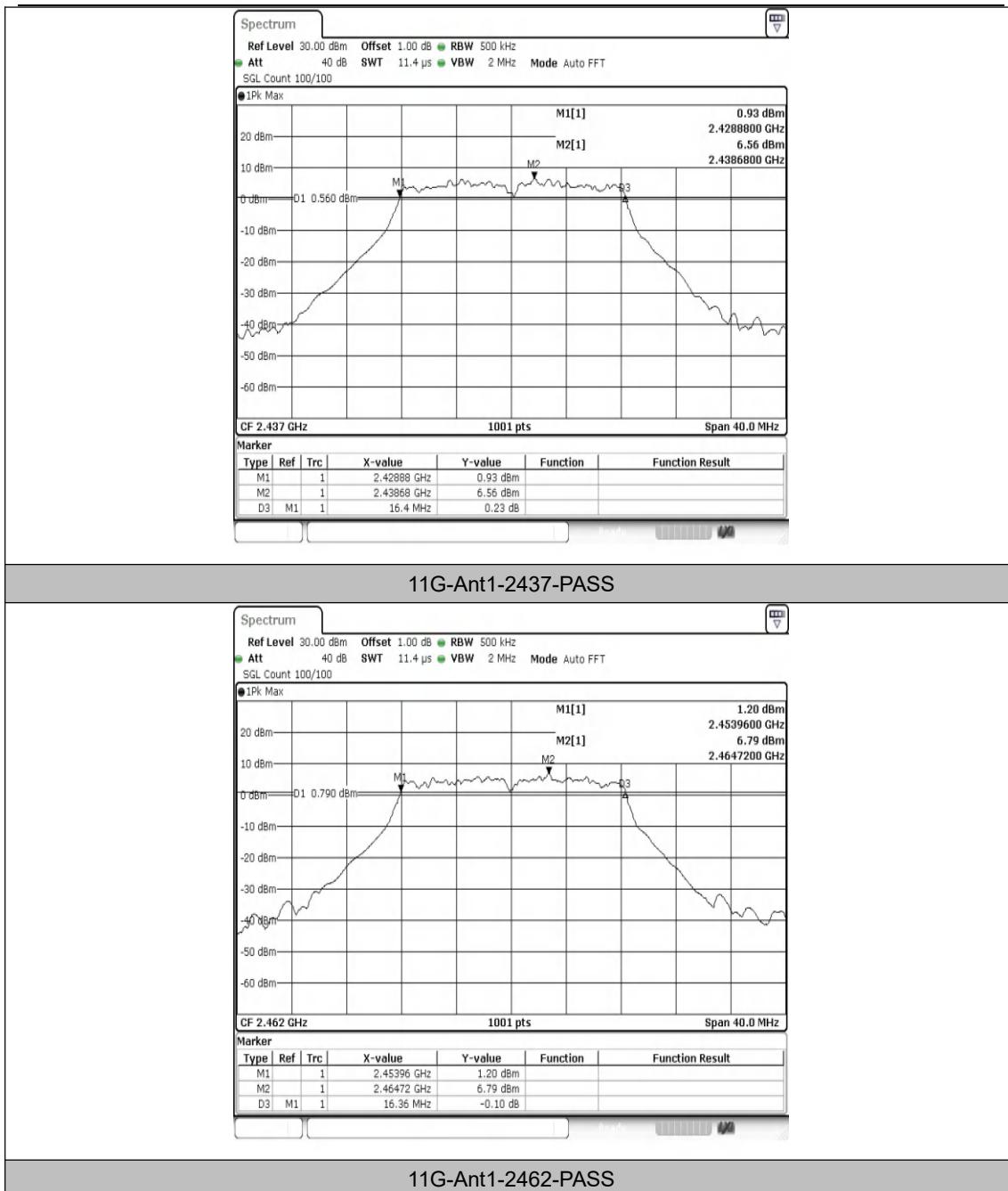
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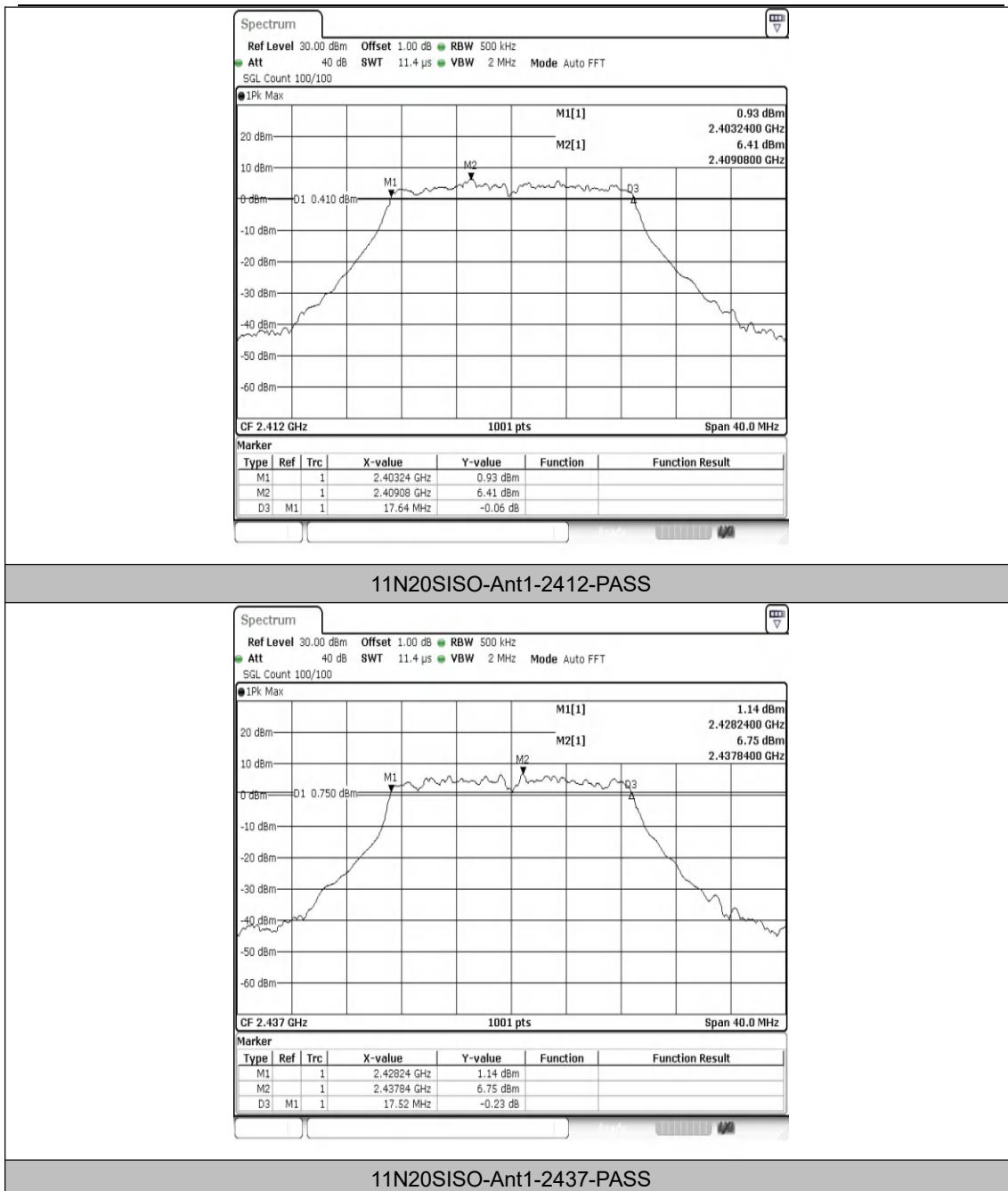
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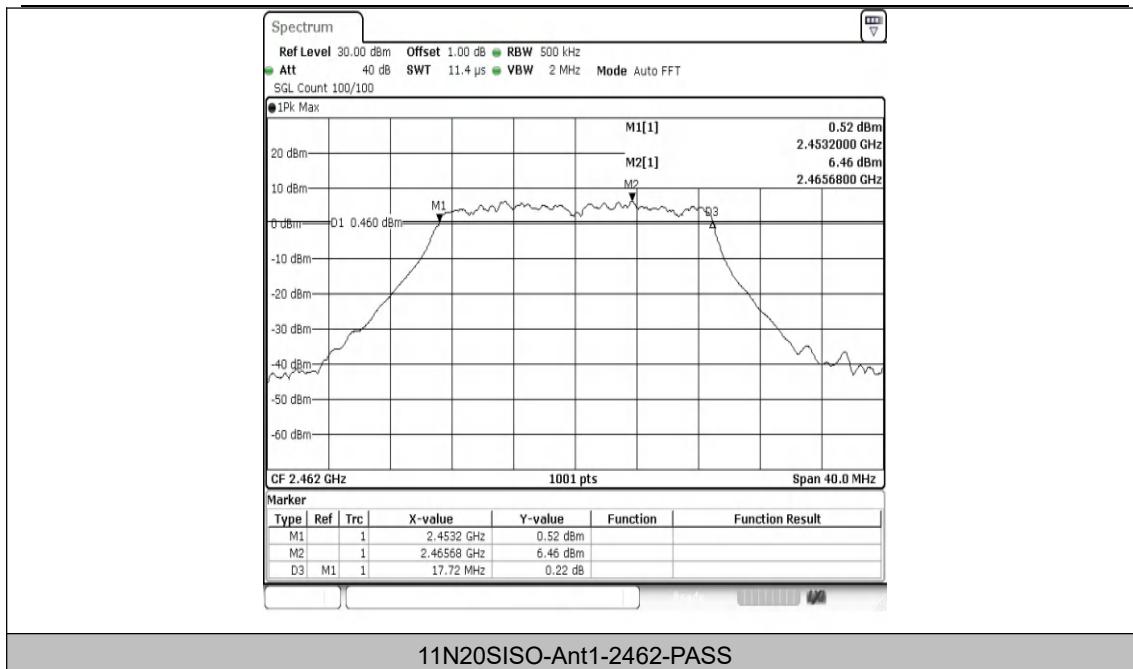
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Appendix B: 99% Occupied Bandwidth

Test Result

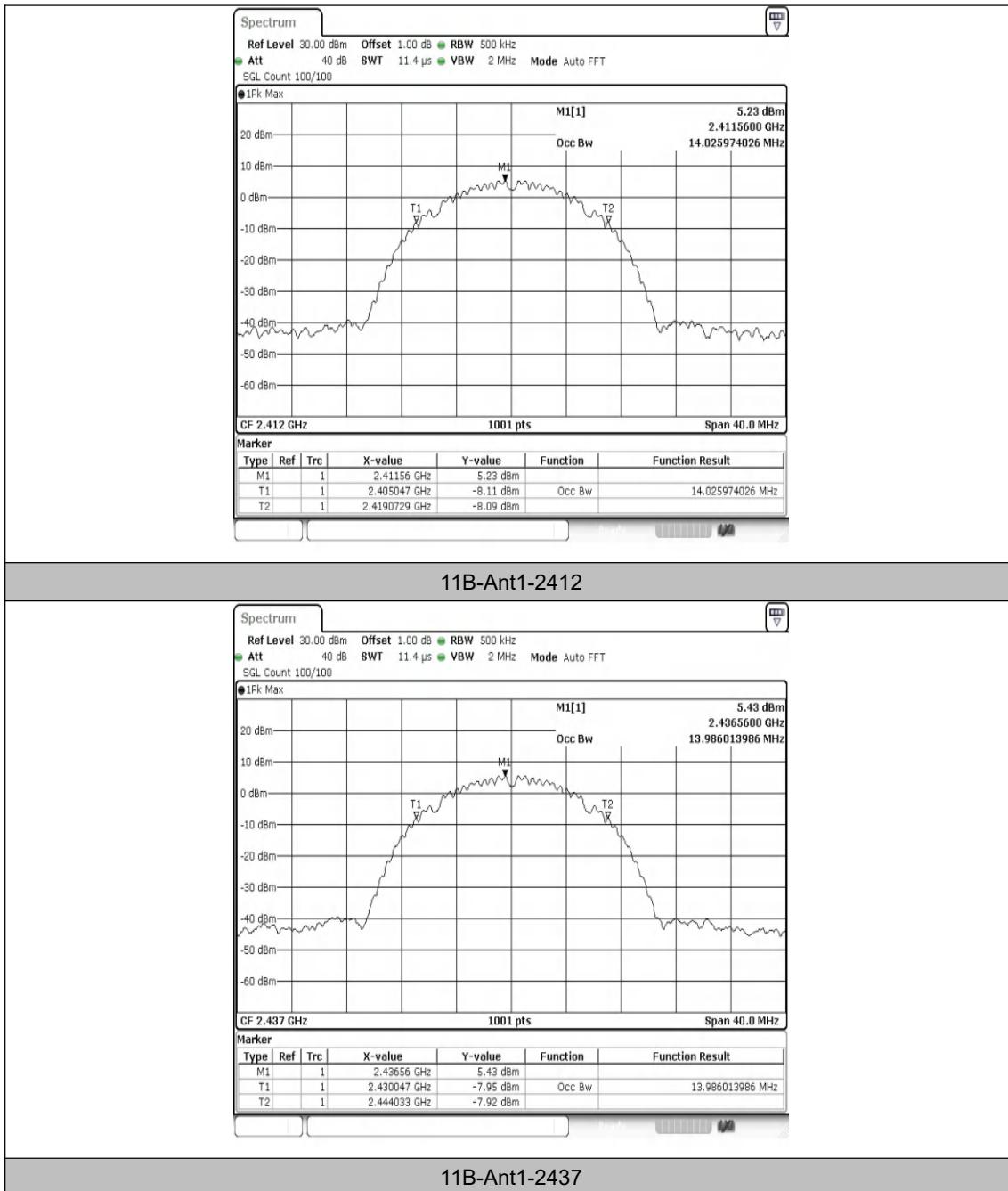
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.026	2405.0470	2419.0729	---	---
11B	Ant1	2437	13.986	2430.0470	2444.0330	---	---
11B	Ant1	2462	14.026	2455.0470	2469.0729	---	---
11G	Ant1	2412	17.183	2403.5285	2420.7113	---	---
11G	Ant1	2437	16.743	2428.7682	2445.5115	---	---
11G	Ant1	2462	16.943	2453.6484	2470.5914	---	---
11N20SISO	Ant1	2412	18.382	2402.8891	2421.2707	---	---
11N20SISO	Ant1	2437	18.501	2427.7692	2446.2707	---	---
11N20SISO	Ant1	2462	18.541	2452.6494	2471.1908	---	---

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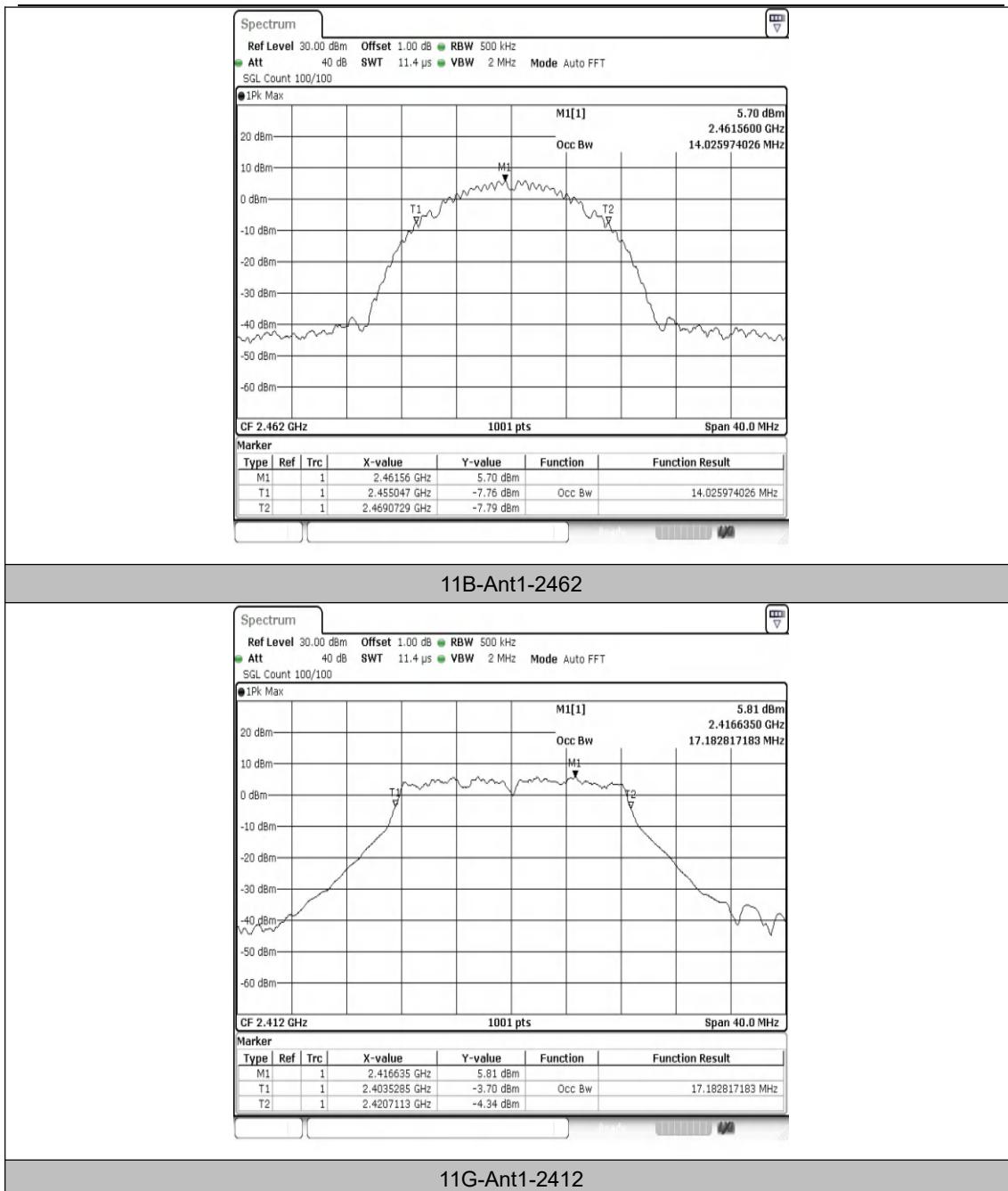
Test Graphs



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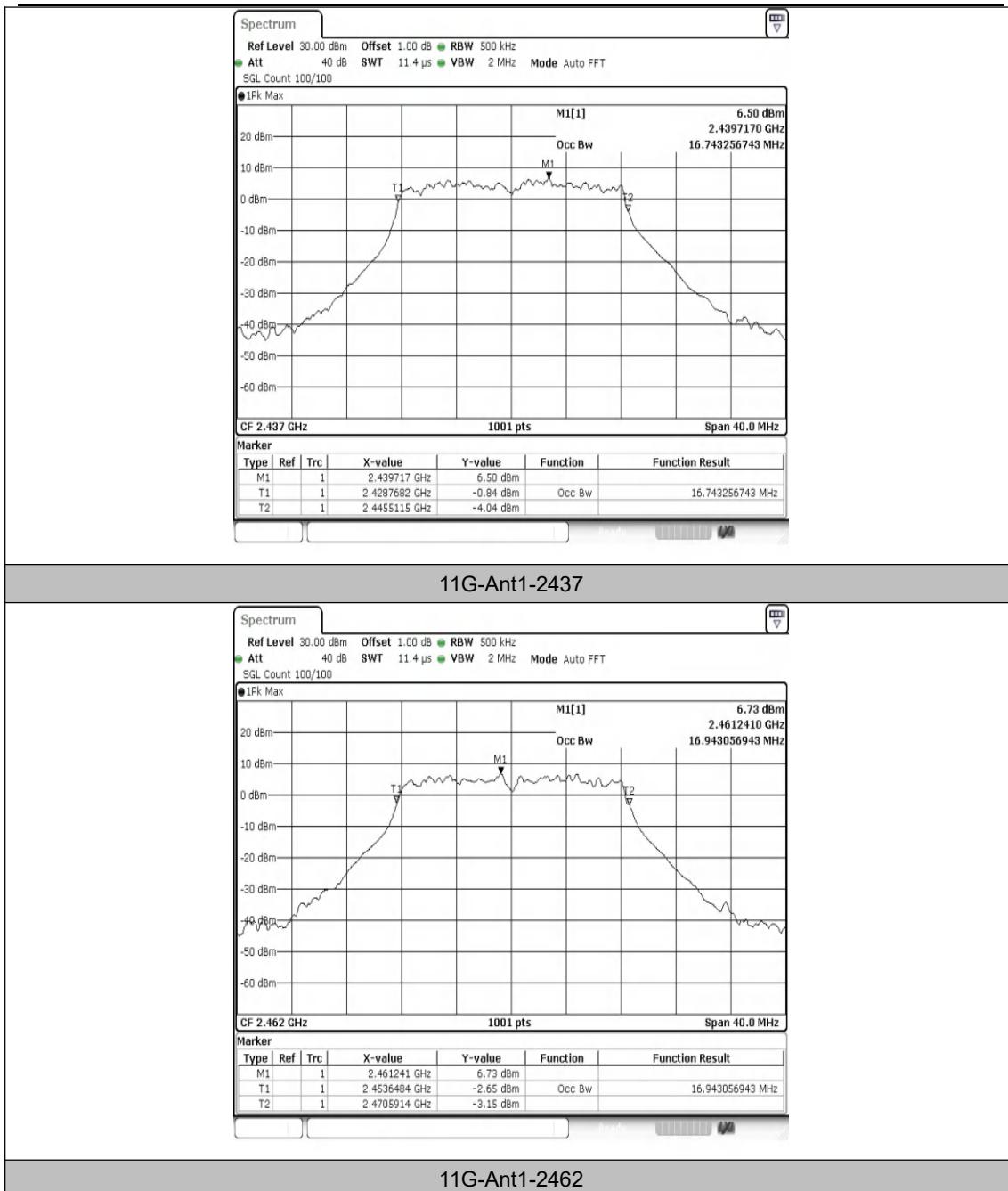
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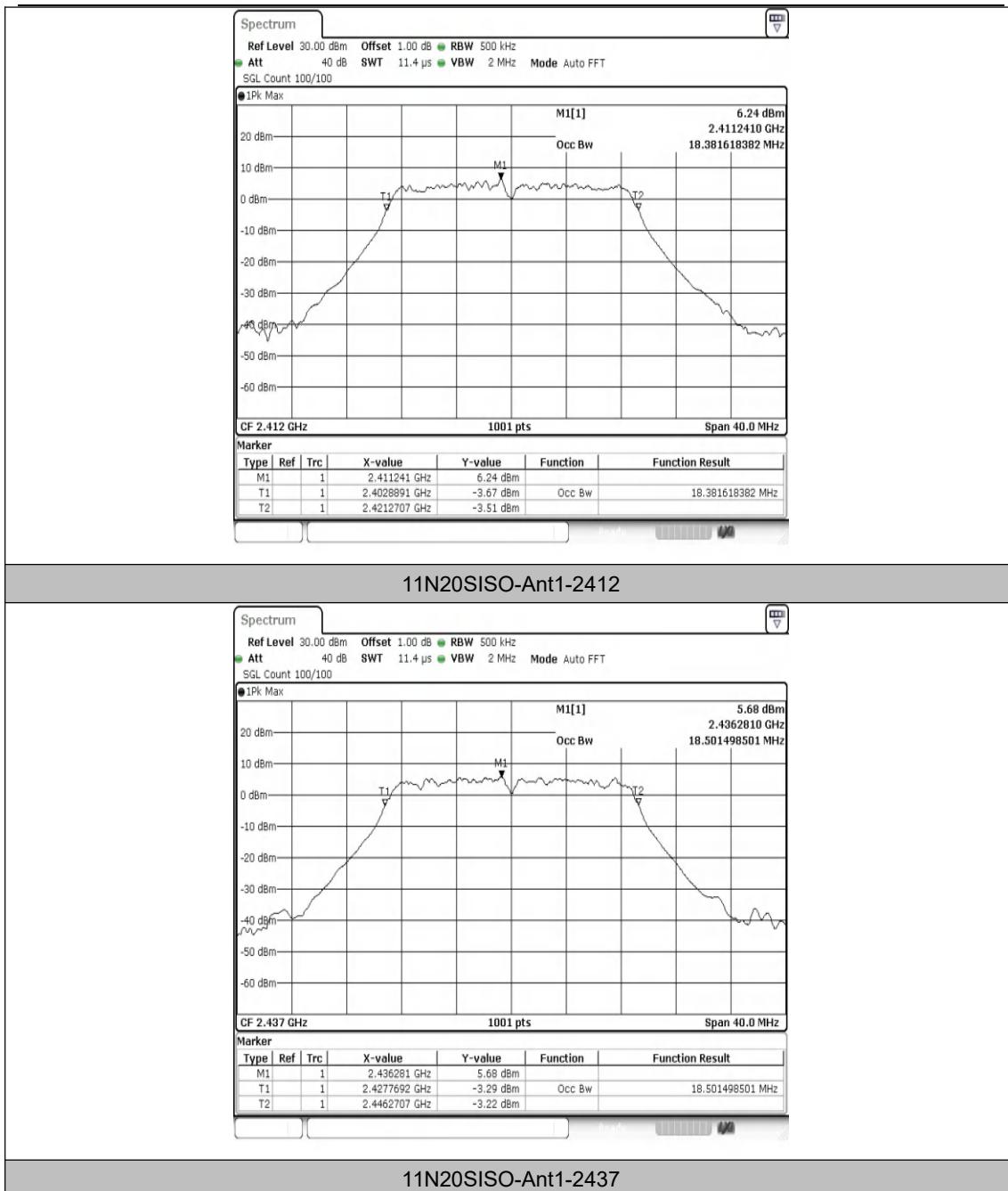
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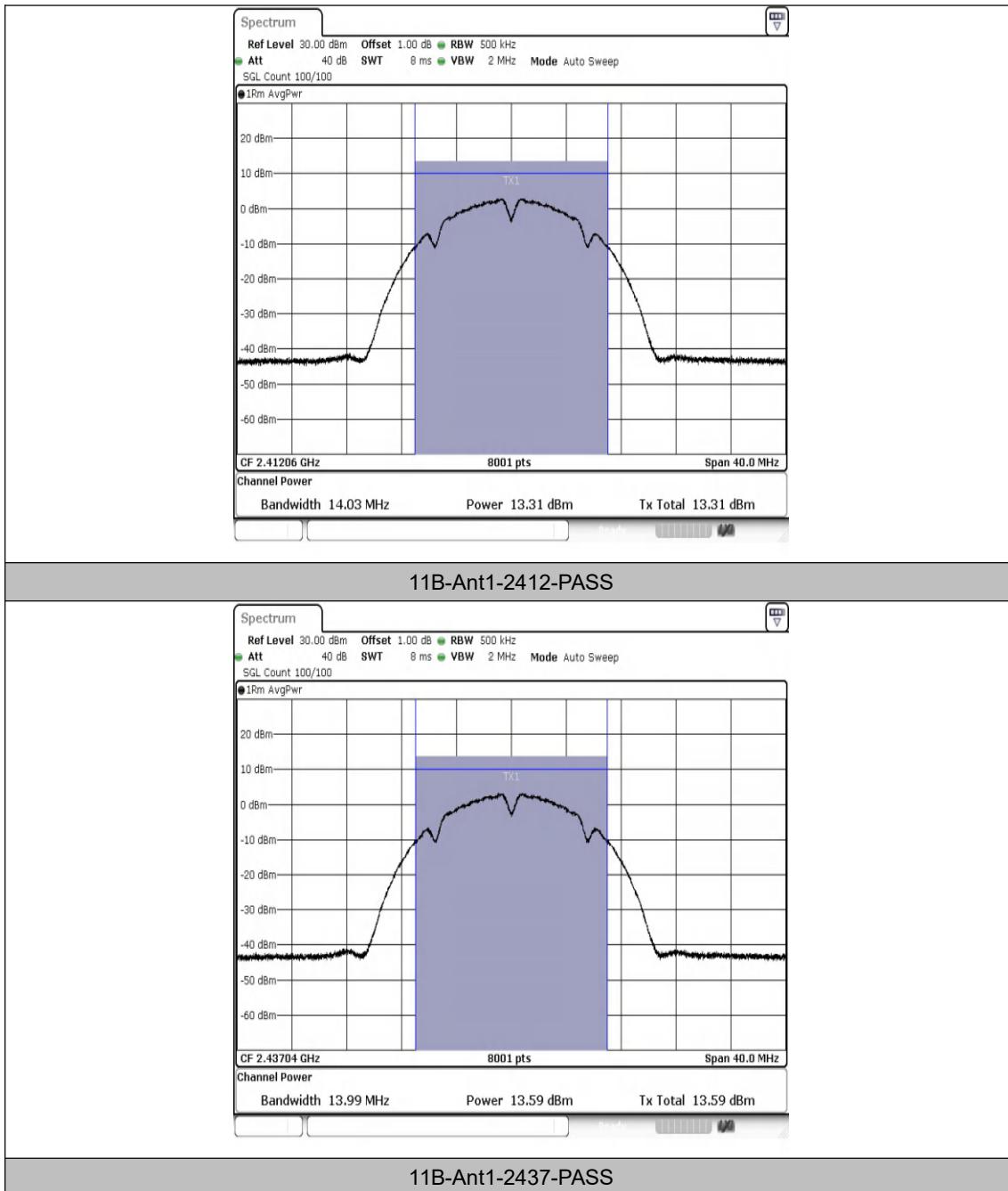
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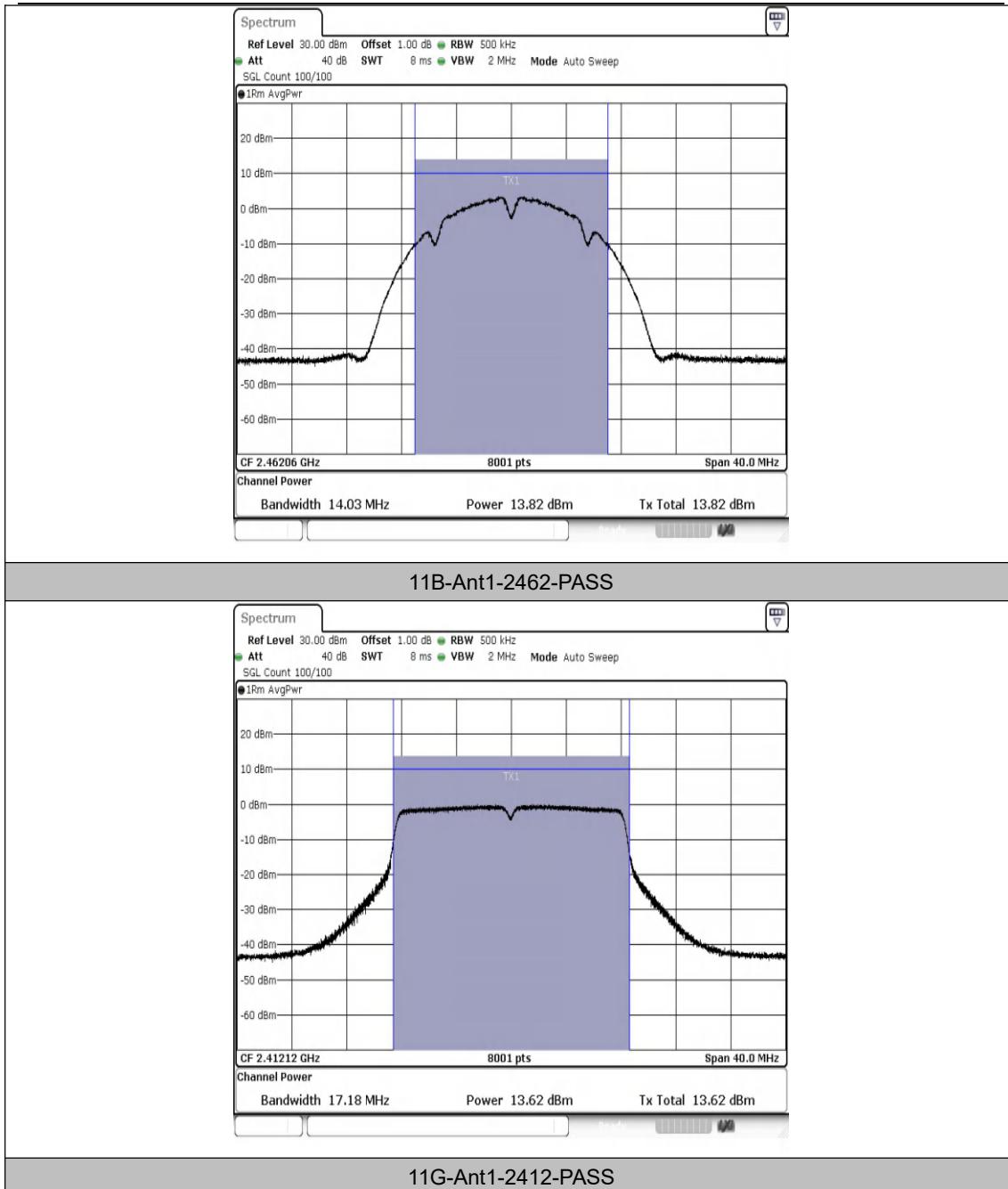
Appendix C: Maximum conducted output power

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	13.31	100.00	0.00	13.31	≤30.00	PASS
11B	Ant1	2437	NA	13.59	100.00	0.00	13.59	≤30.00	PASS
11B	Ant1	2462	NA	13.82	100.00	0.00	13.82	≤30.00	PASS
11G	Ant1	2412	NA	13.62	100.00	0.00	13.62	≤30.00	PASS
11G	Ant1	2437	NA	13.71	100.00	0.00	13.71	≤30.00	PASS
11G	Ant1	2462	NA	14.00	100.00	0.00	14.00	≤30.00	PASS
11N20SISO	Ant1	2412	NA	13.48	100.00	0.00	13.48	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.84	100.00	0.00	13.84	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.01	100.00	0.00	14.01	≤30.00	PASS

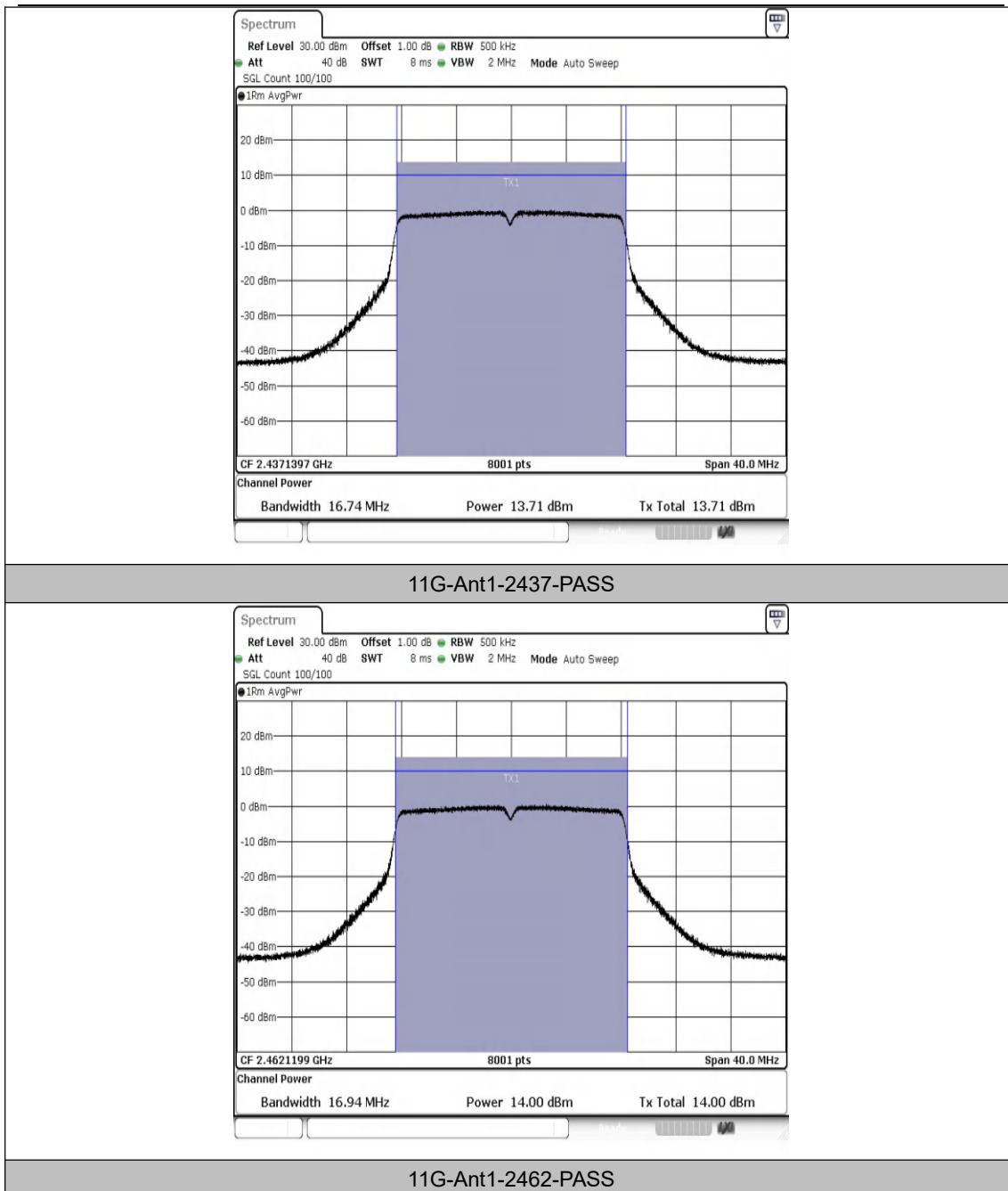
Note: 1. The cable loss are compensated in the graph

Test Graphs Average

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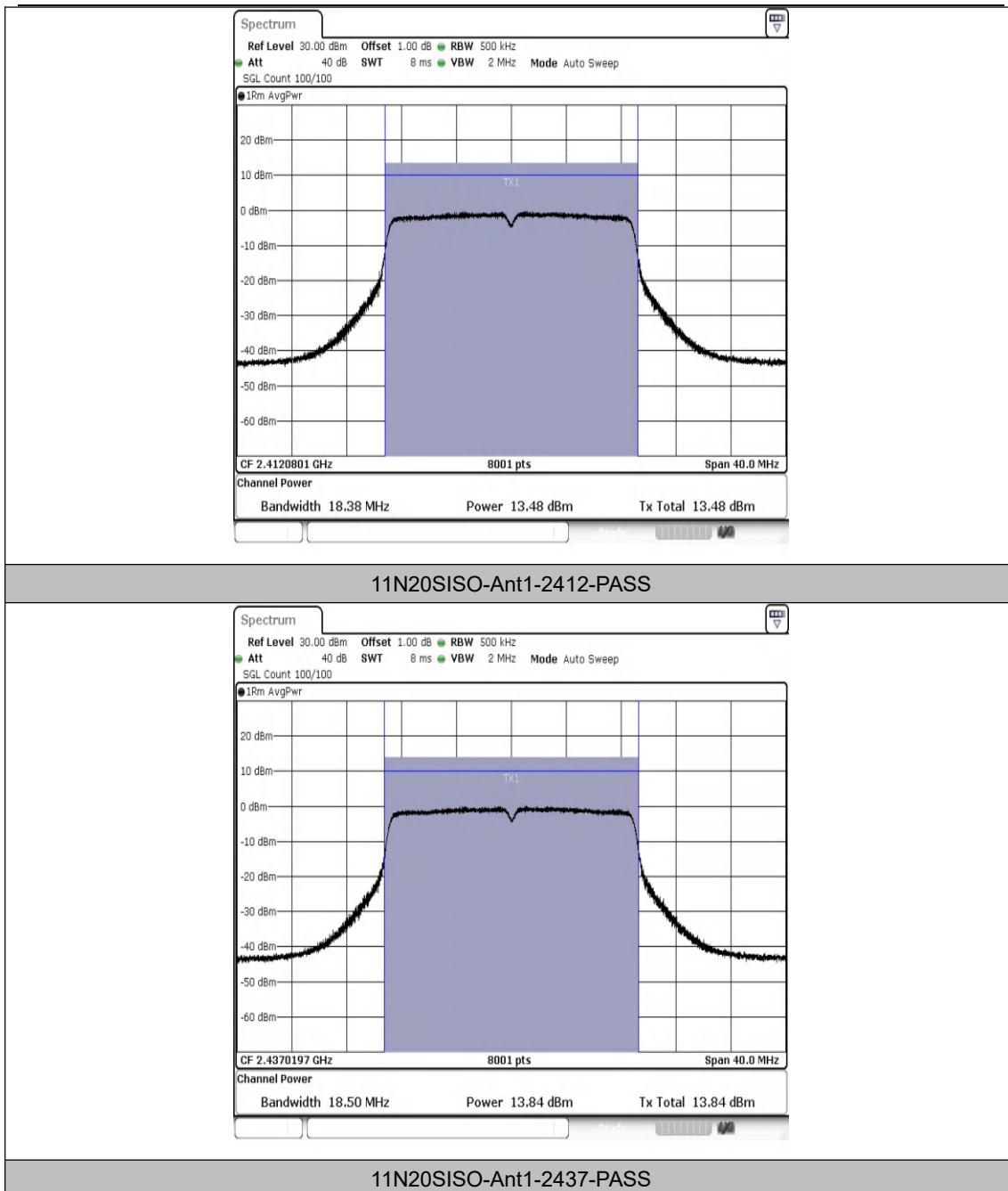
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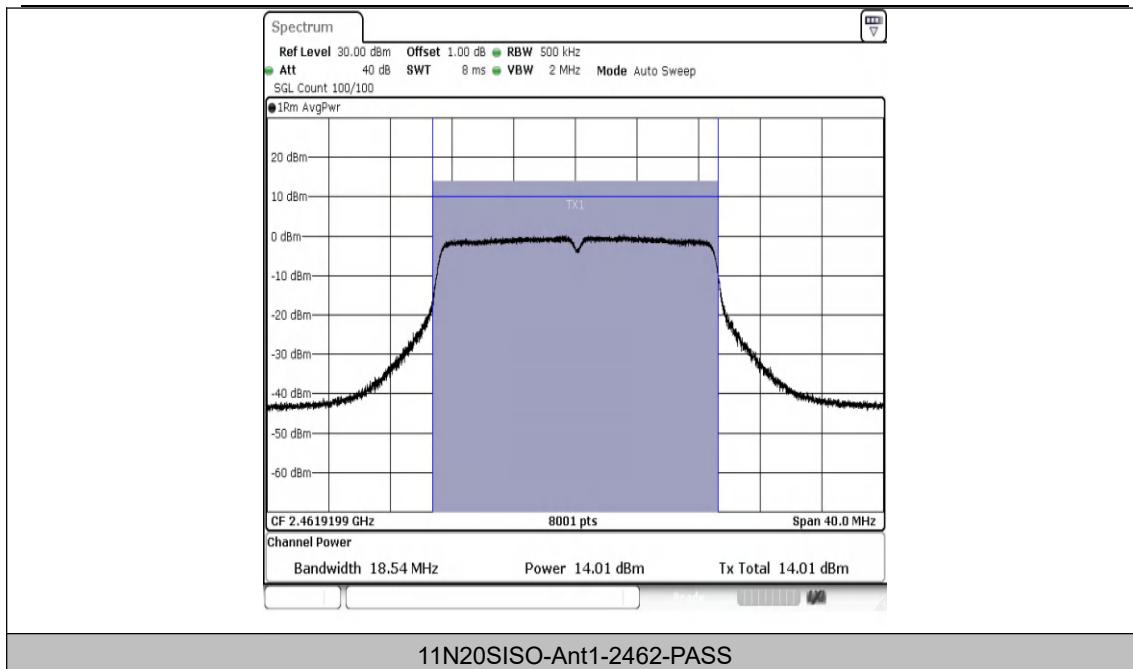
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Appendix D: Maximum power spectral density

Test Result

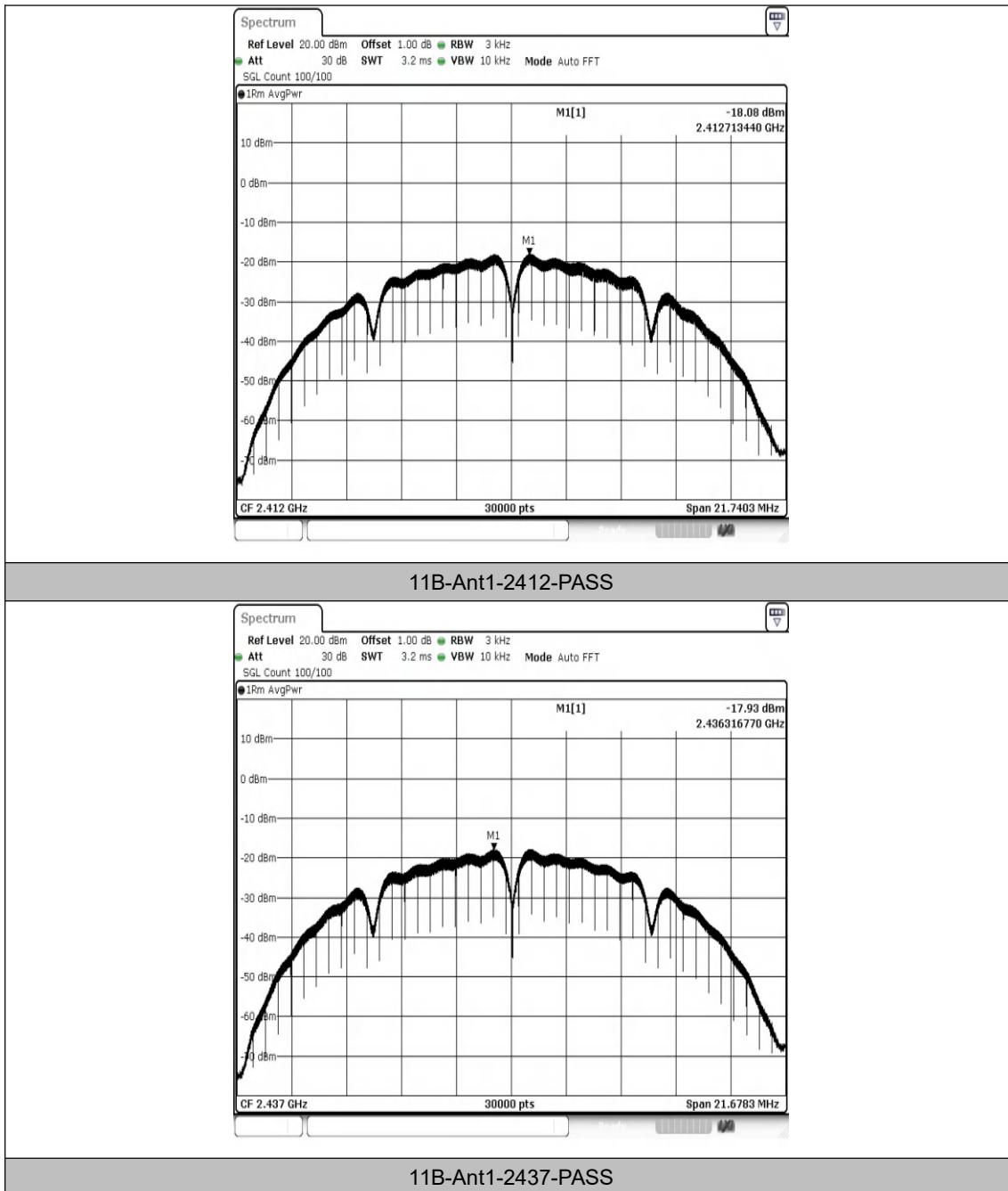
Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-18.08	0.00	-18.08	≤8.00	PASS
11B	Ant1	2437	-17.93	0.00	-17.93	≤8.00	PASS
11B	Ant1	2462	-17.69	0.00	-17.69	≤8.00	PASS
11G	Ant1	2412	-18.55	0.00	-18.55	≤8.00	PASS
11G	Ant1	2437	-18.64	0.00	-18.64	≤8.00	PASS
11G	Ant1	2462	-18.33	0.00	-18.33	≤8.00	PASS
11N20SISO	Ant1	2412	-19.35	0.00	-19.35	≤8.00	PASS
11N20SISO	Ant1	2437	-19.15	0.00	-19.15	≤8.00	PASS
11N20SISO	Ant1	2462	-18.52	0.00	-18.52	≤8.00	PASS

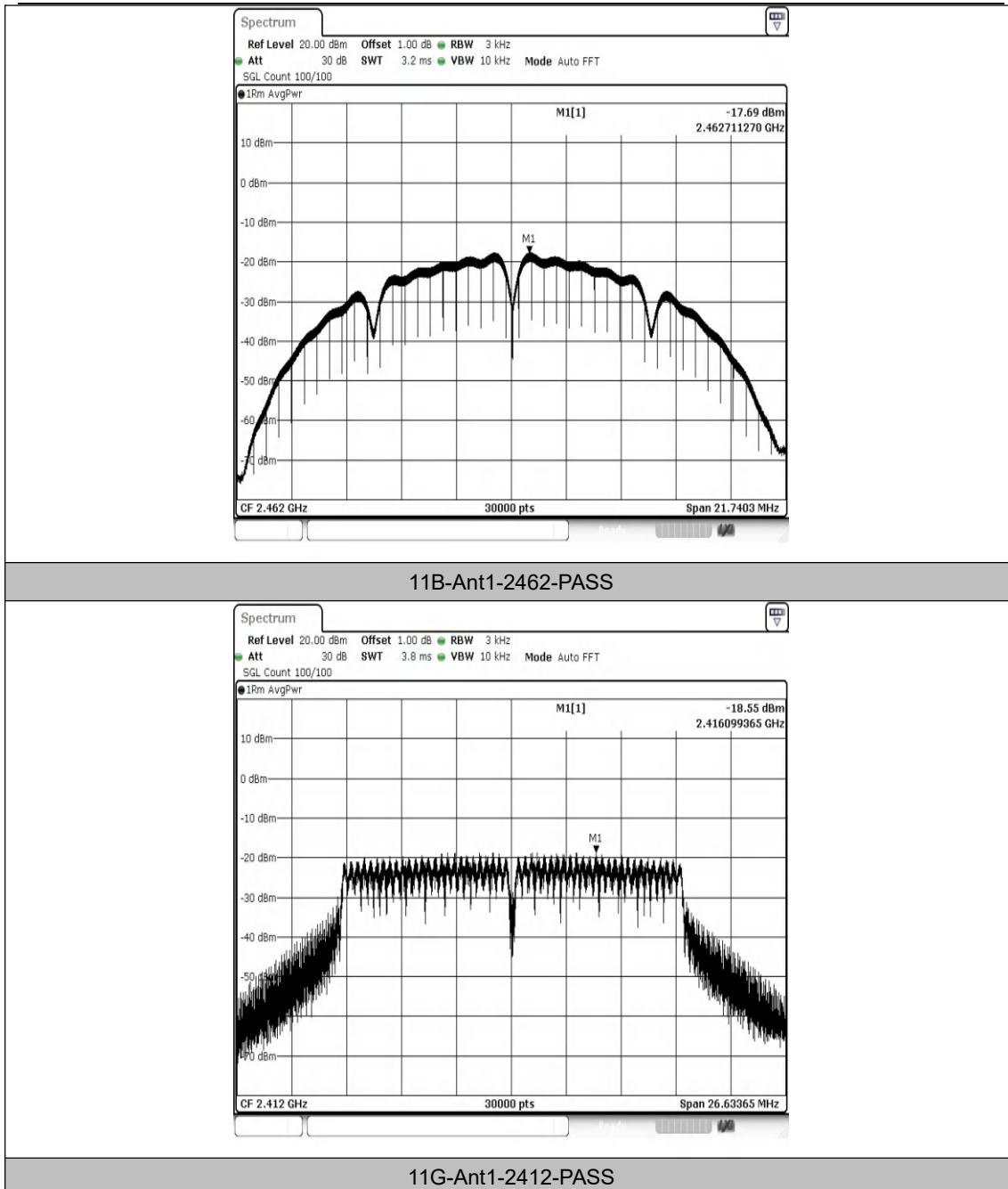
Note: 1. The cable loss are compensated in the graph.

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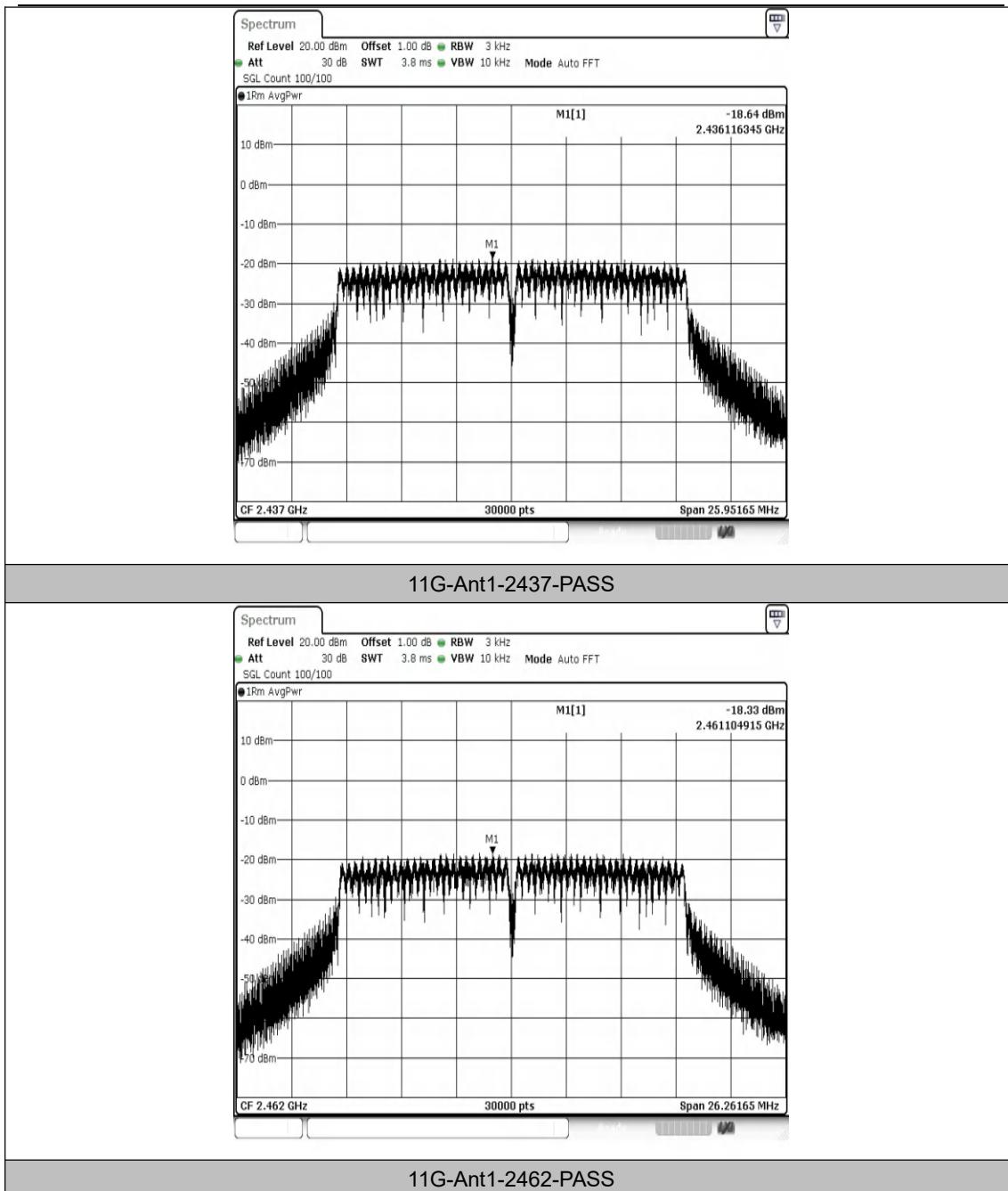
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Test Graphs

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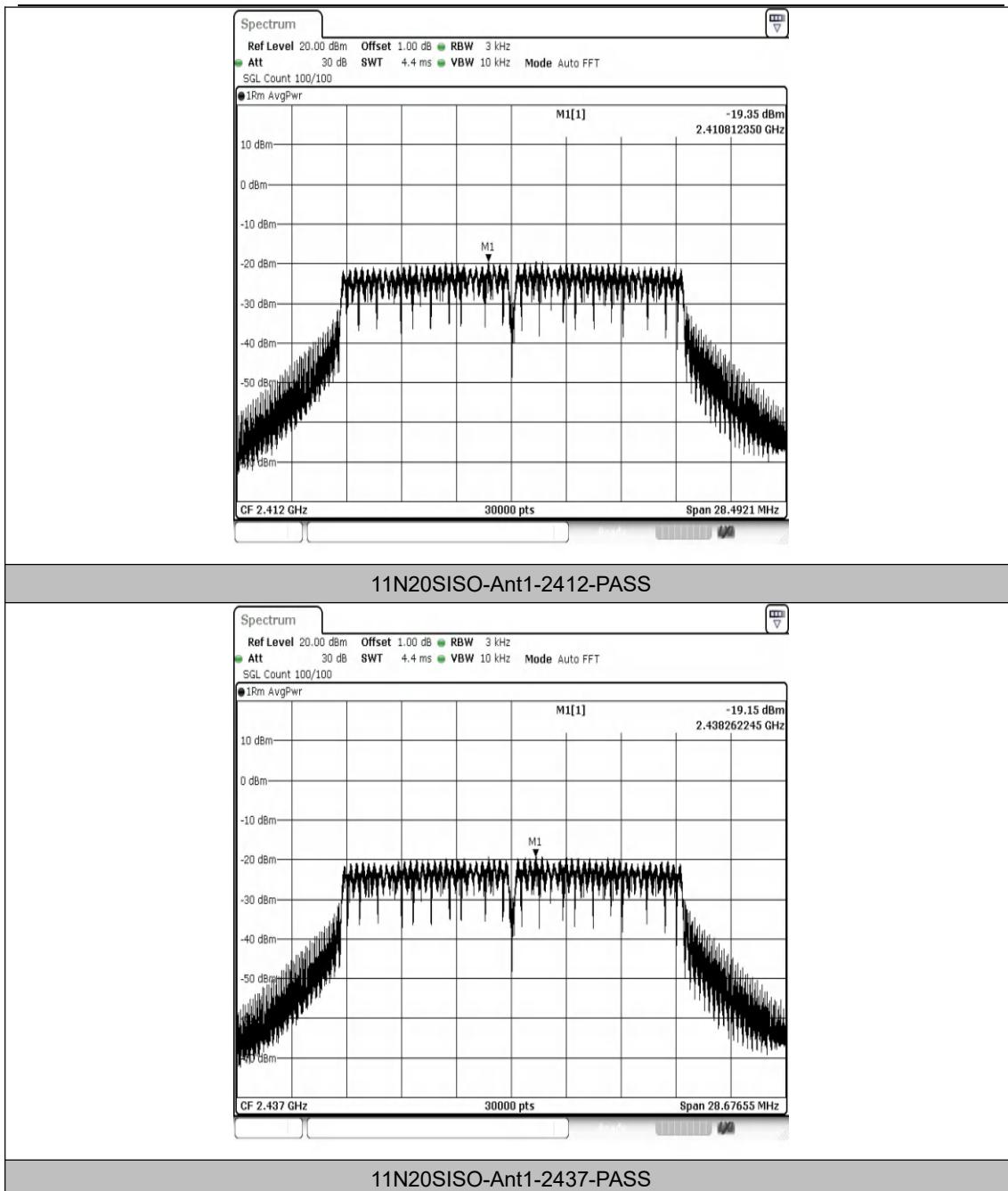
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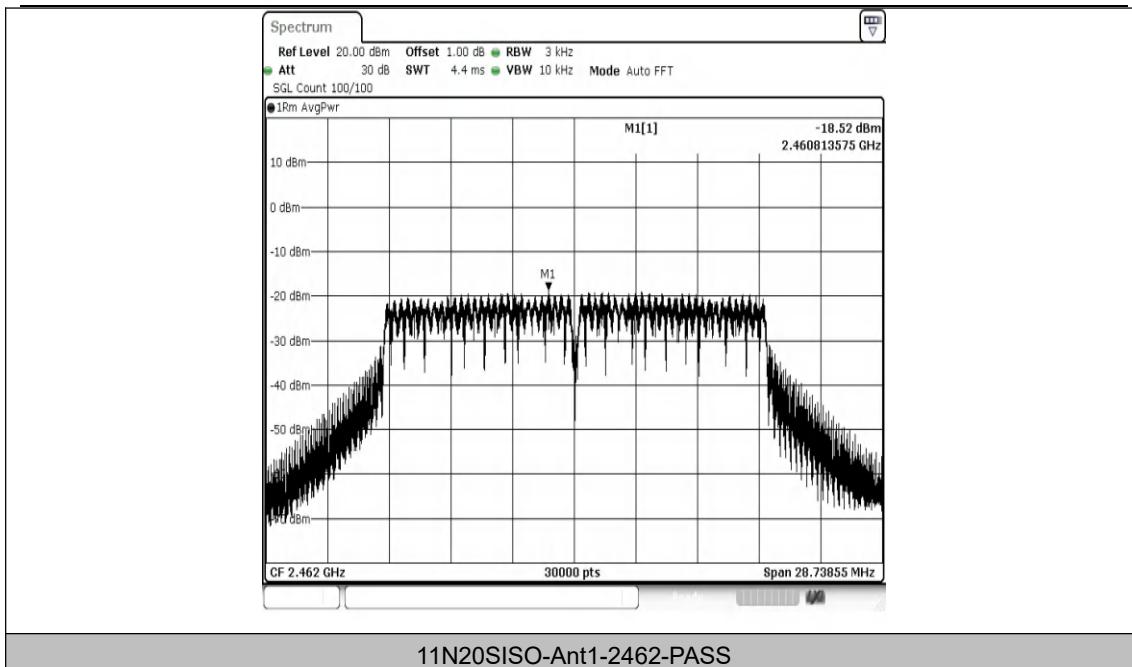
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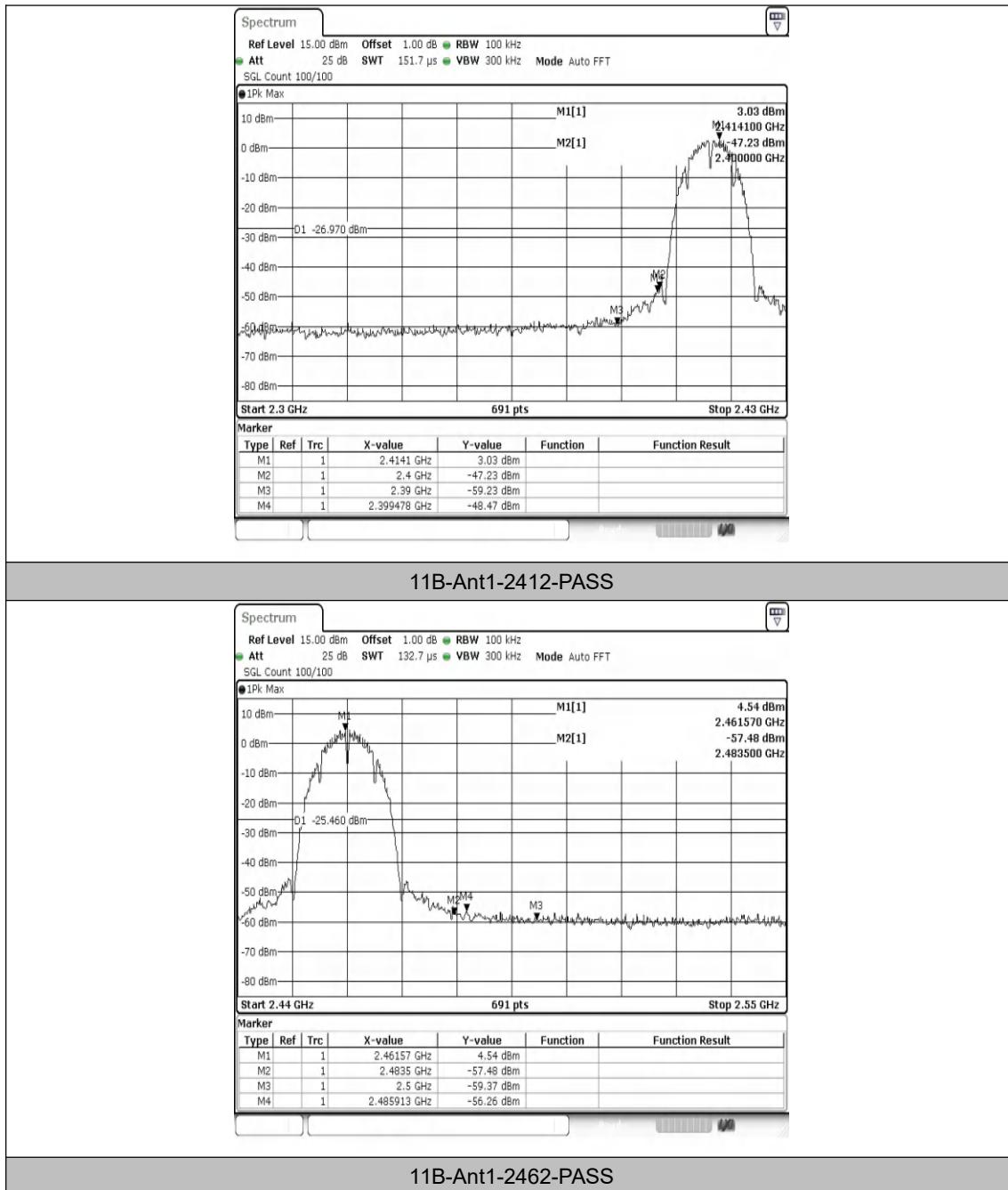
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.03	-48.47	≤-26.97	PASS
11B	Ant1	High	2462	4.54	-56.26	≤-25.46	PASS
11G	Ant1	Low	2412	-1.00	-34.37	≤-31	PASS
11G	Ant1	High	2462	-0.50	-48.41	≤-30.5	PASS
11N20SISO	Ant1	Low	2412	-2.07	-34.75	≤-32.07	PASS
11N20SISO	Ant1	High	2462	-0.39	-48.97	≤-30.39	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

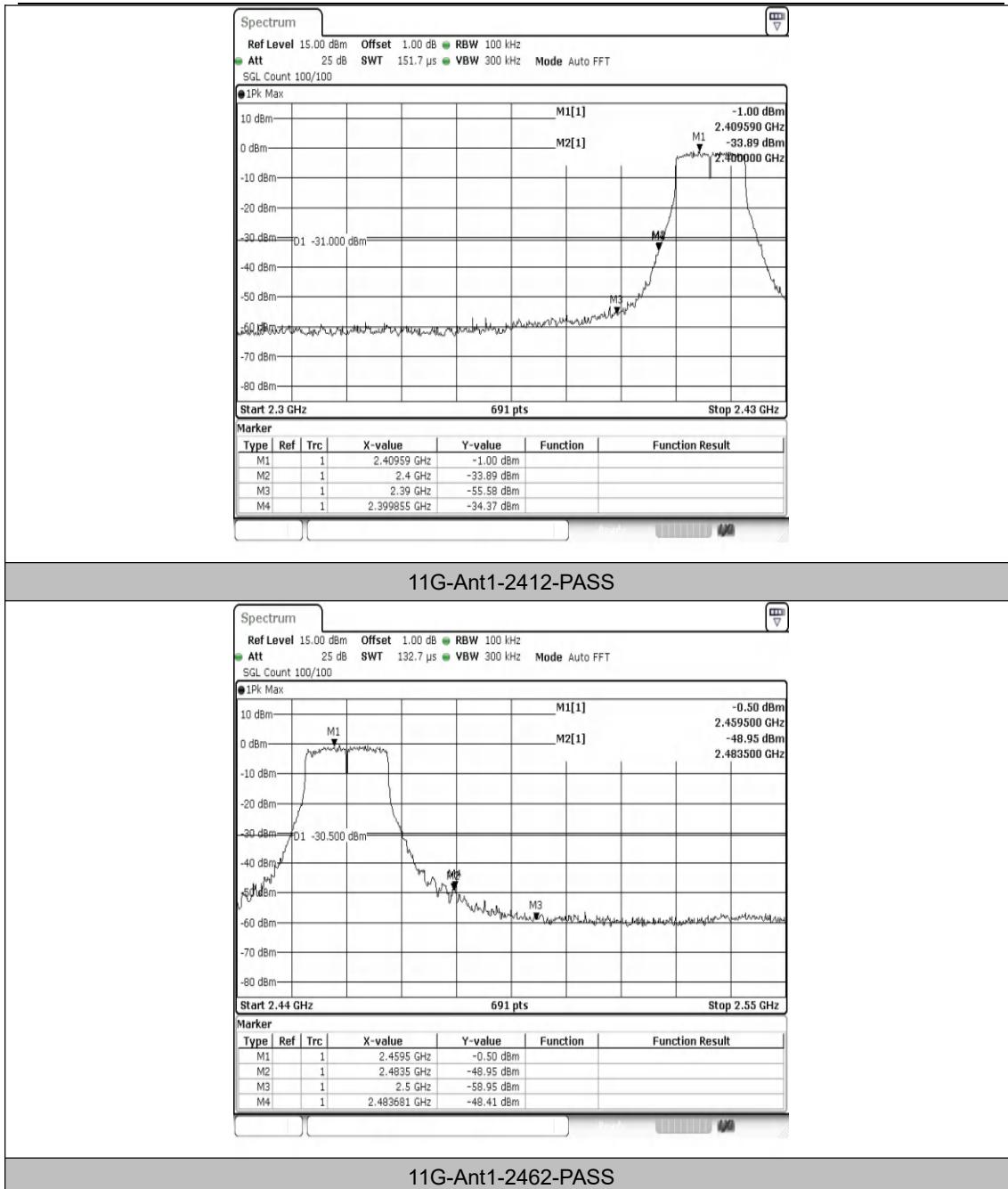
Test Graphs



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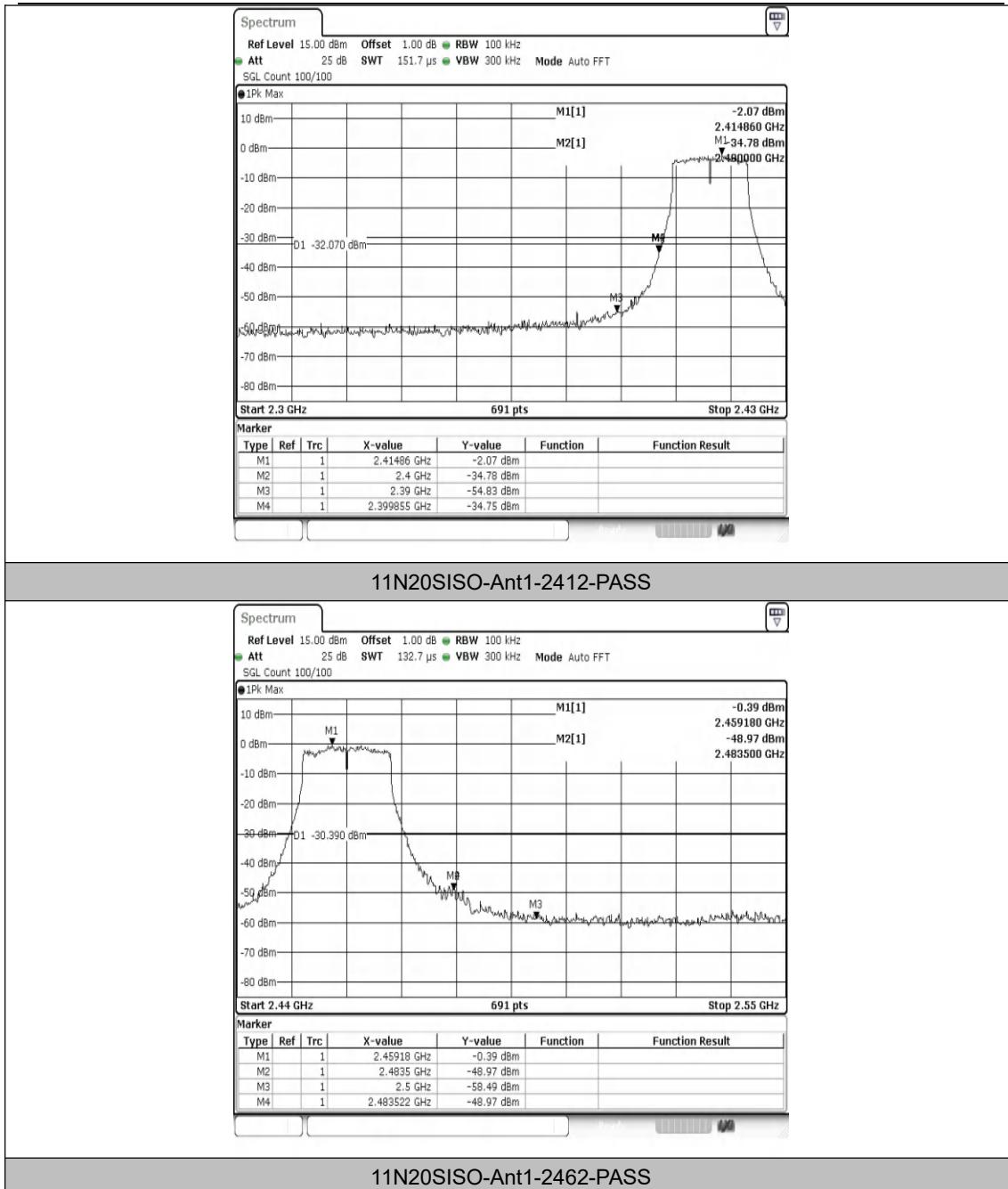
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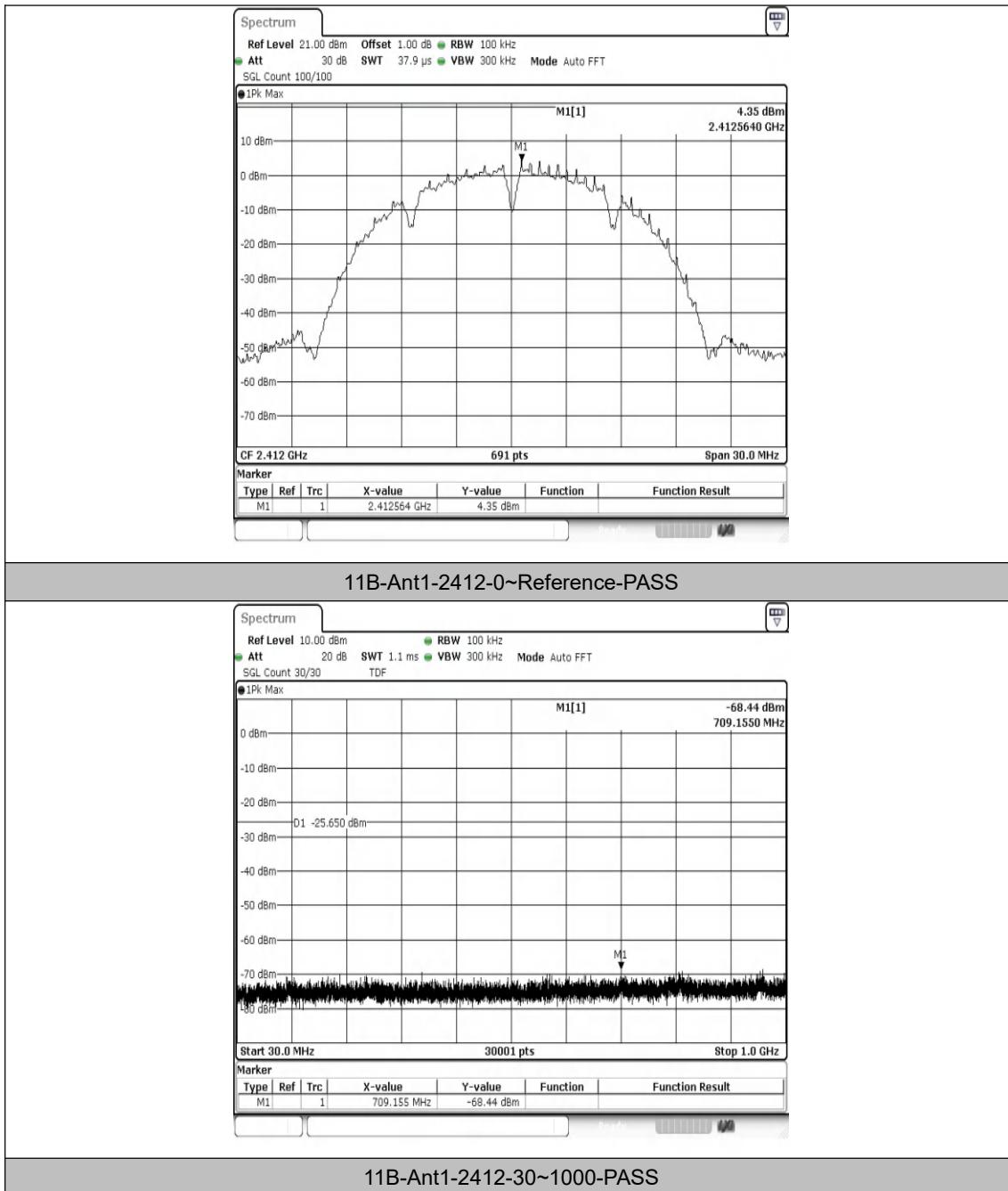
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.35	4.35	---	PASS
11B	Ant1	2412	30~1000	4.35	-68.44	≤-25.65	PASS
11B	Ant1	2412	1000~26500	4.35	-48.23	≤-25.65	PASS
11B	Ant1	2437	0~Reference	4.22	4.22	---	PASS
11B	Ant1	2437	30~1000	4.22	-68.45	≤-25.78	PASS
11B	Ant1	2437	1000~26500	4.22	-48.65	≤-25.78	PASS
11B	Ant1	2462	0~Reference	5.31	5.31	---	PASS
11B	Ant1	2462	30~1000	5.31	-68.98	≤-24.69	PASS
11B	Ant1	2462	1000~26500	5.31	-47.9	≤-24.69	PASS
11G	Ant1	2412	0~Reference	-0.81	-0.81	---	PASS
11G	Ant1	2412	30~1000	-0.81	-68.34	≤-30.81	PASS
11G	Ant1	2412	1000~26500	-0.81	-54.6	≤-30.81	PASS
11G	Ant1	2437	0~Reference	-1.06	-1.06	---	PASS
11G	Ant1	2437	30~1000	-1.06	-69.02	≤-31.06	PASS
11G	Ant1	2437	1000~26500	-1.06	-54.95	≤-31.06	PASS
11G	Ant1	2462	0~Reference	-0.48	-0.48	---	PASS
11G	Ant1	2462	30~1000	-0.48	-68.63	≤-30.48	PASS
11G	Ant1	2462	1000~26500	-0.48	-54.17	≤-30.48	PASS
11N20SISO	Ant1	2412	0~Reference	-1.26	-1.26	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.26	-68.06	≤-31.26	PASS
11N20SISO	Ant1	2412	1000~26500	-1.26	-54.28	≤-31.26	PASS
11N20SISO	Ant1	2437	0~Reference	-1.09	-1.09	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.09	-68.13	≤-31.09	PASS
11N20SISO	Ant1	2437	1000~26500	-1.09	-54.43	≤-31.09	PASS
11N20SISO	Ant1	2462	0~Reference	-0.89	-0.89	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.89	-68.37	≤-30.89	PASS
11N20SISO	Ant1	2462	1000~26500	-0.89	-51.56	≤-30.89	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

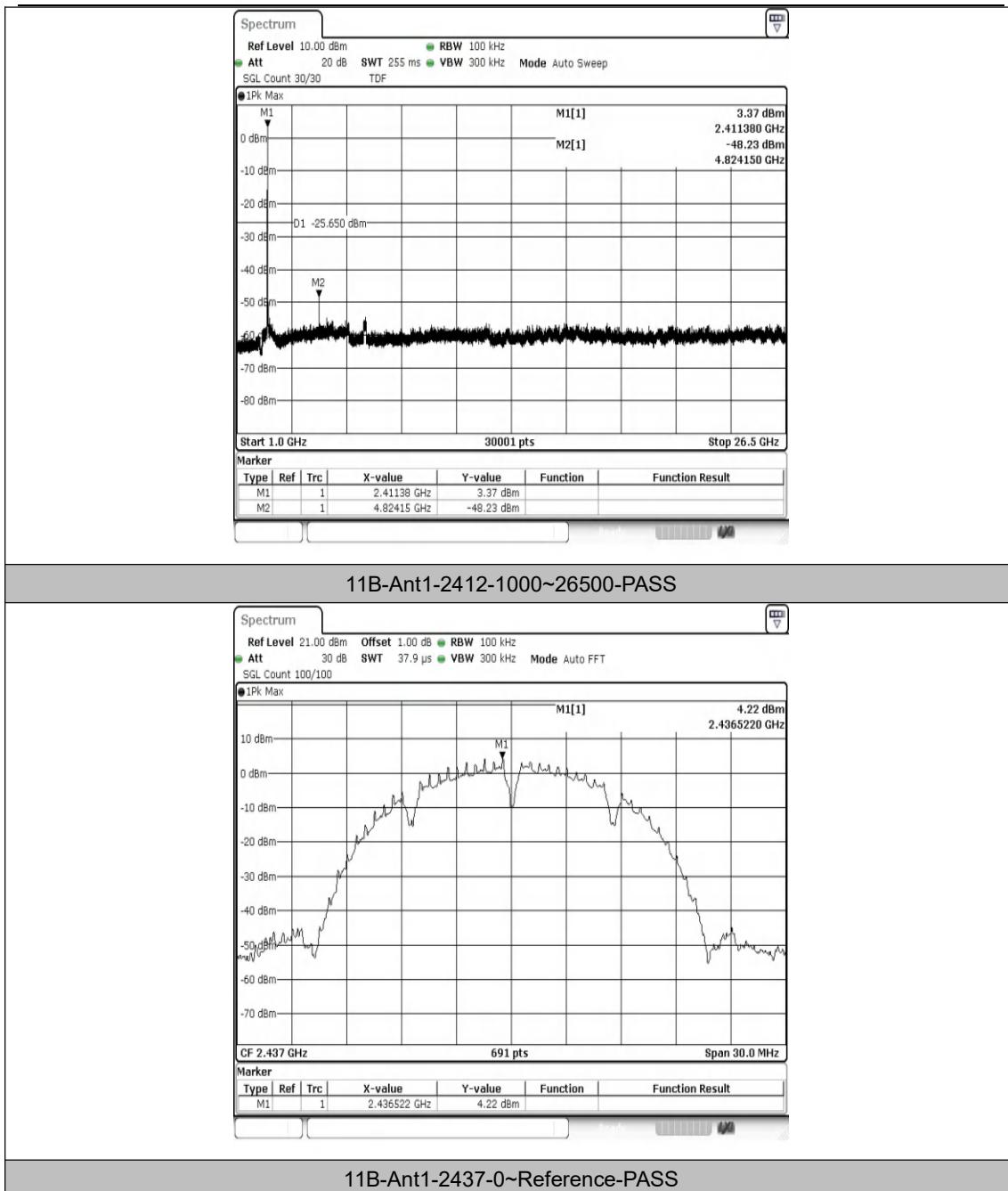
Test Graphs



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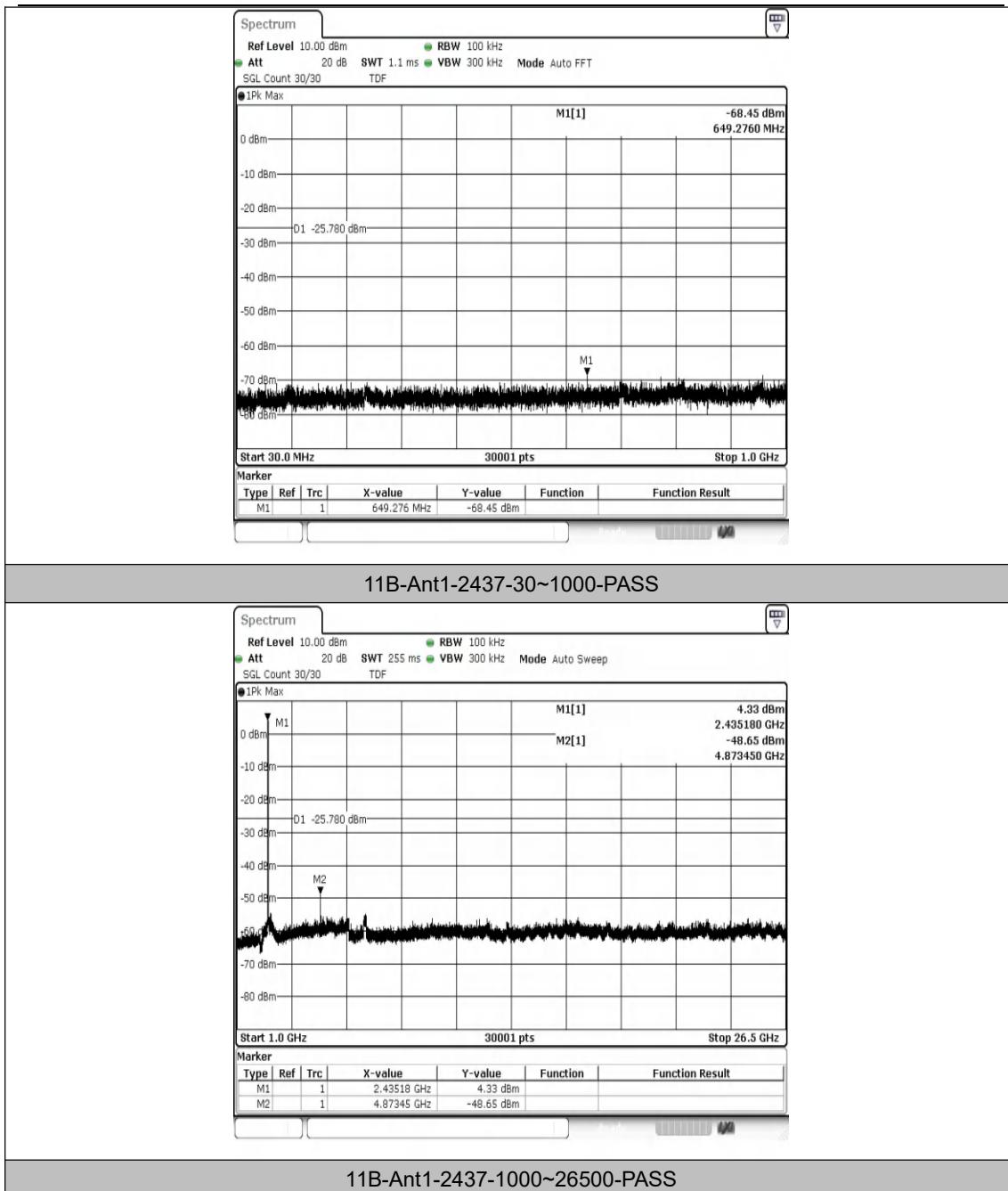
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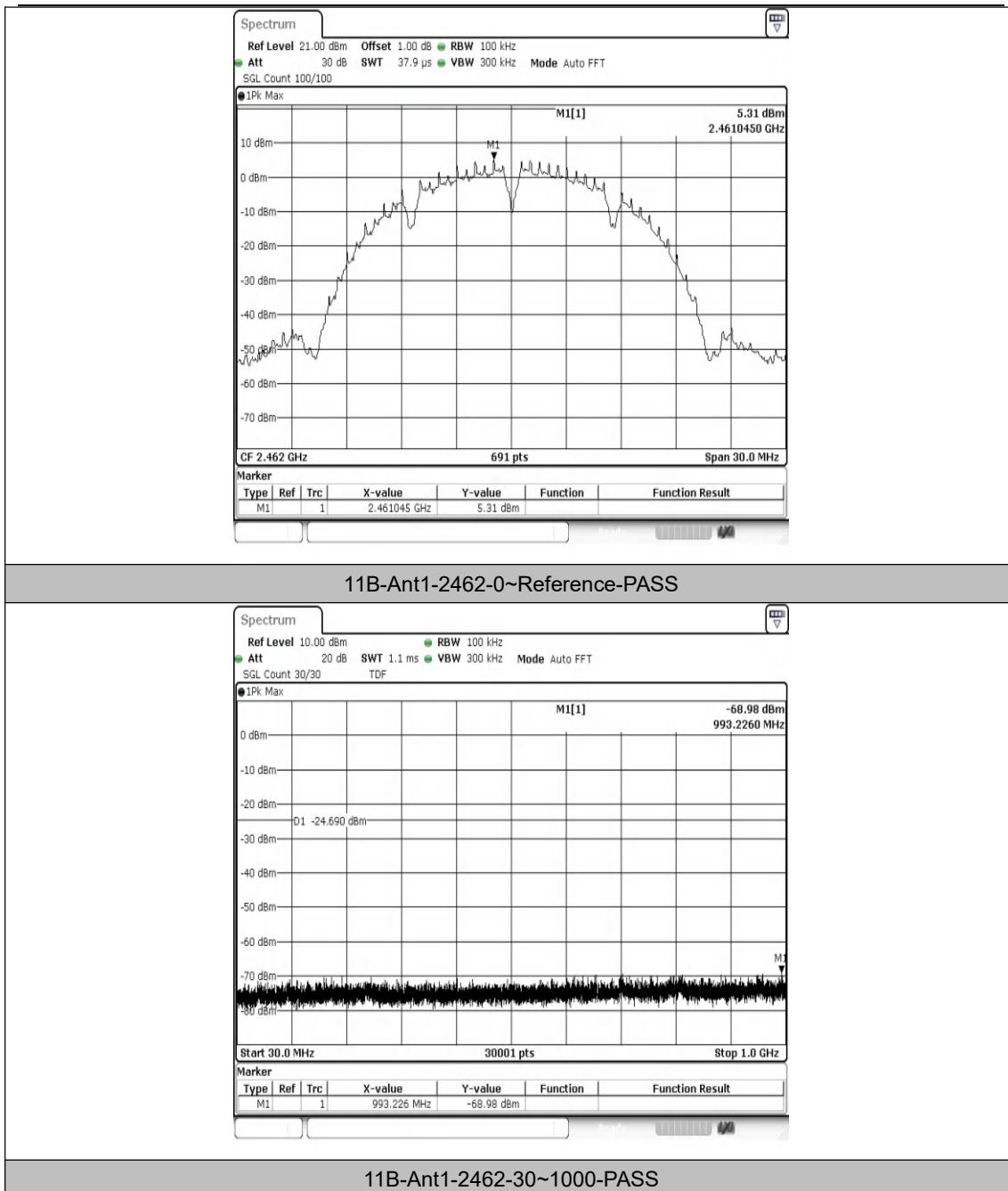
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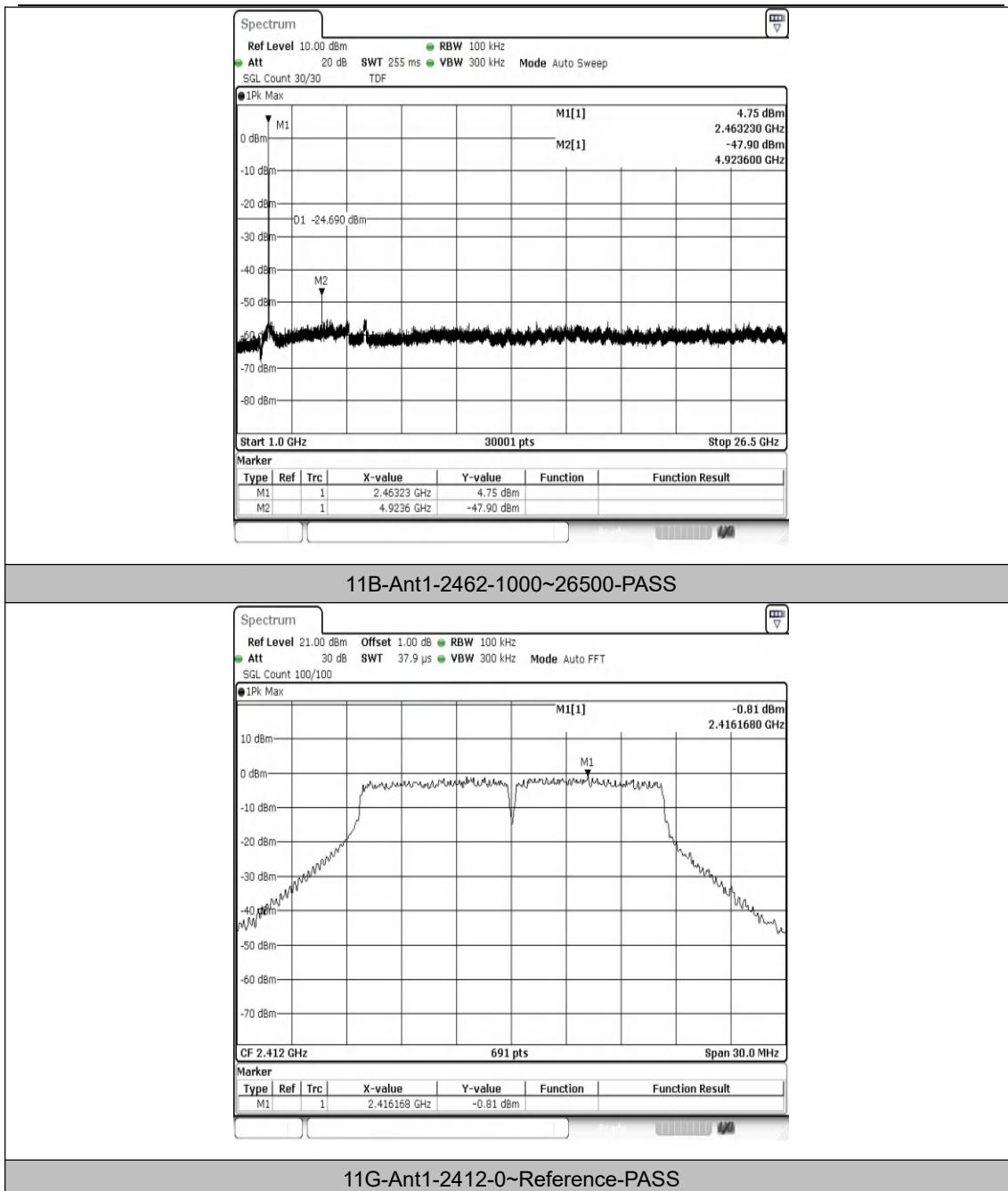
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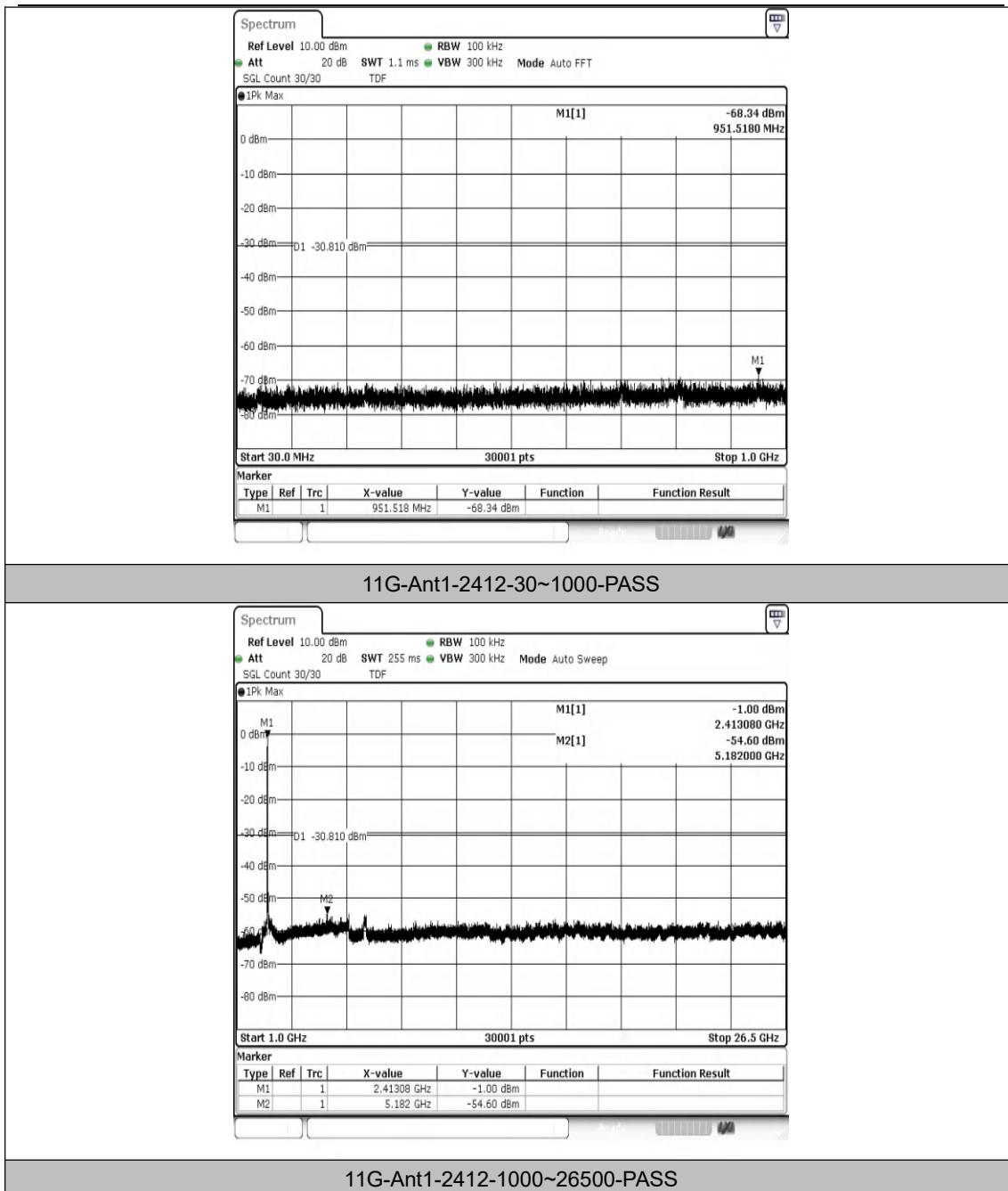
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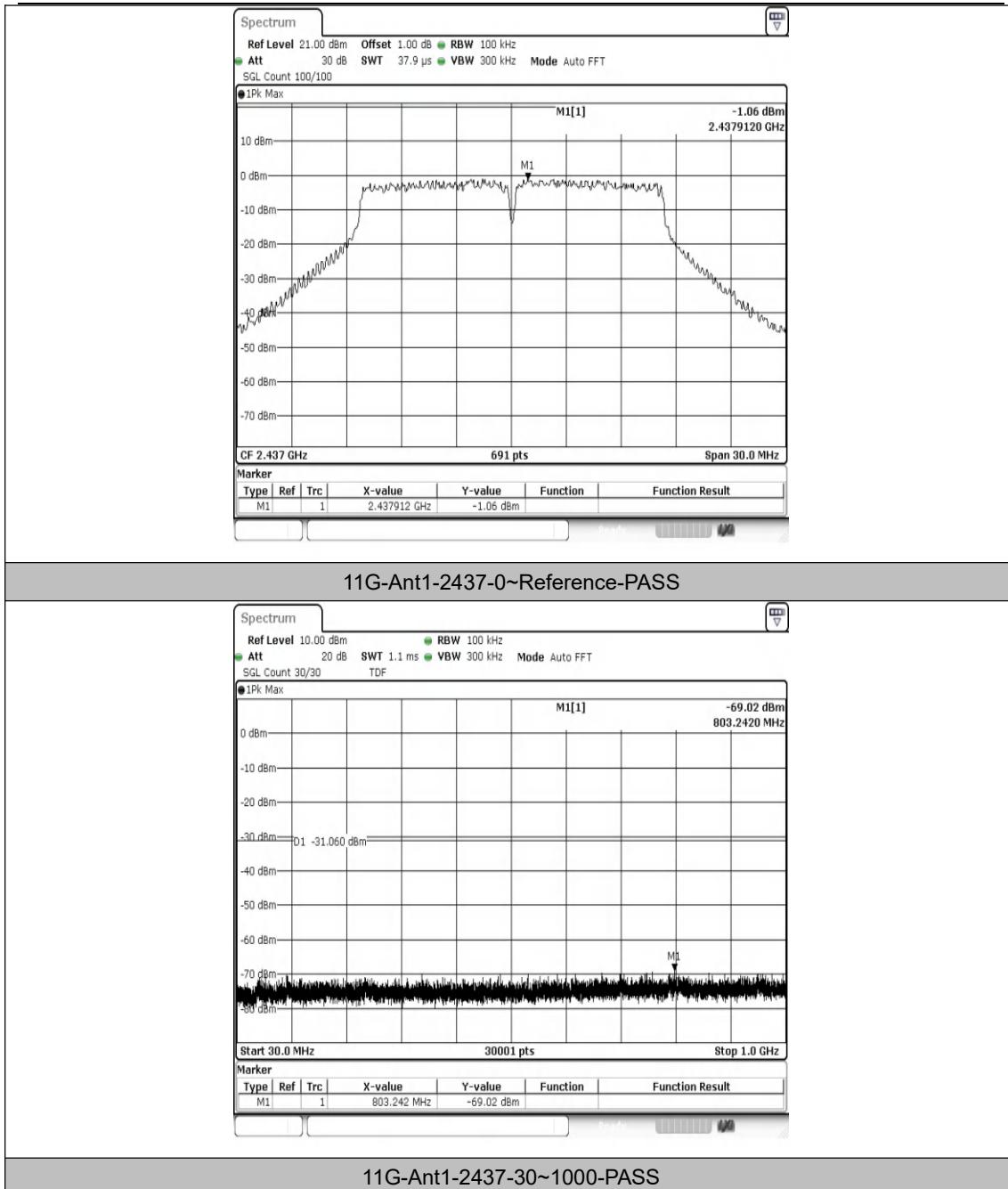
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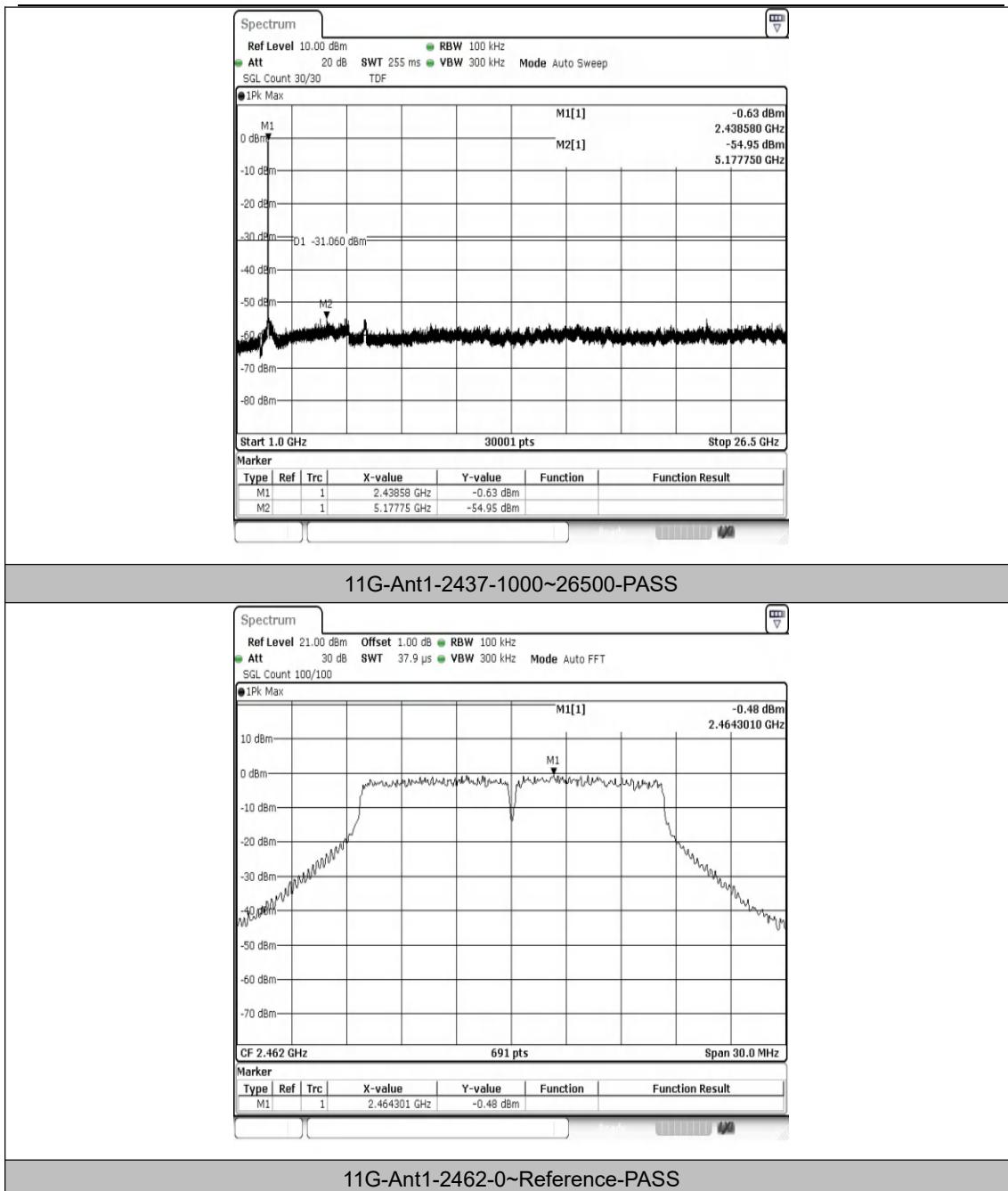
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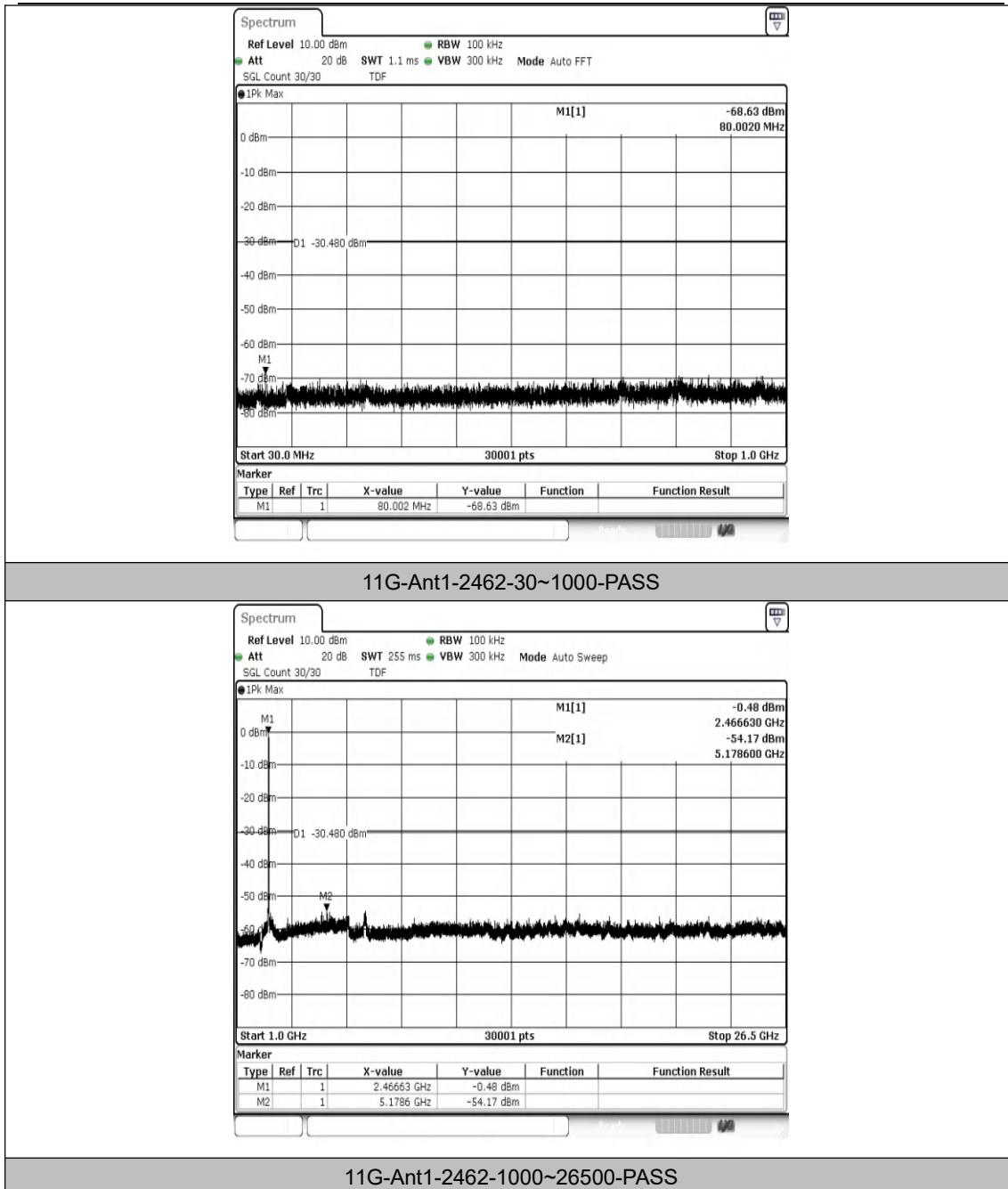
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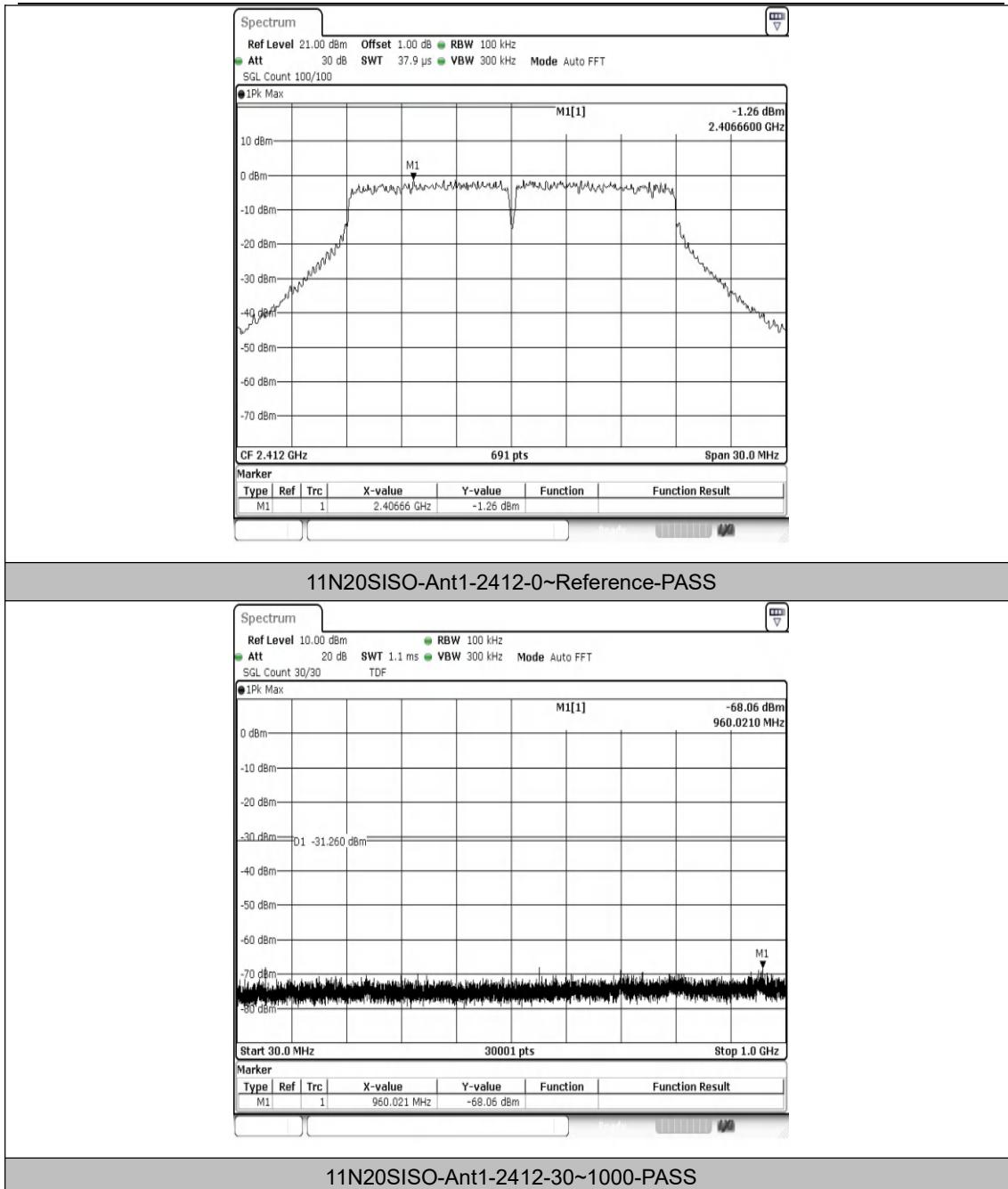
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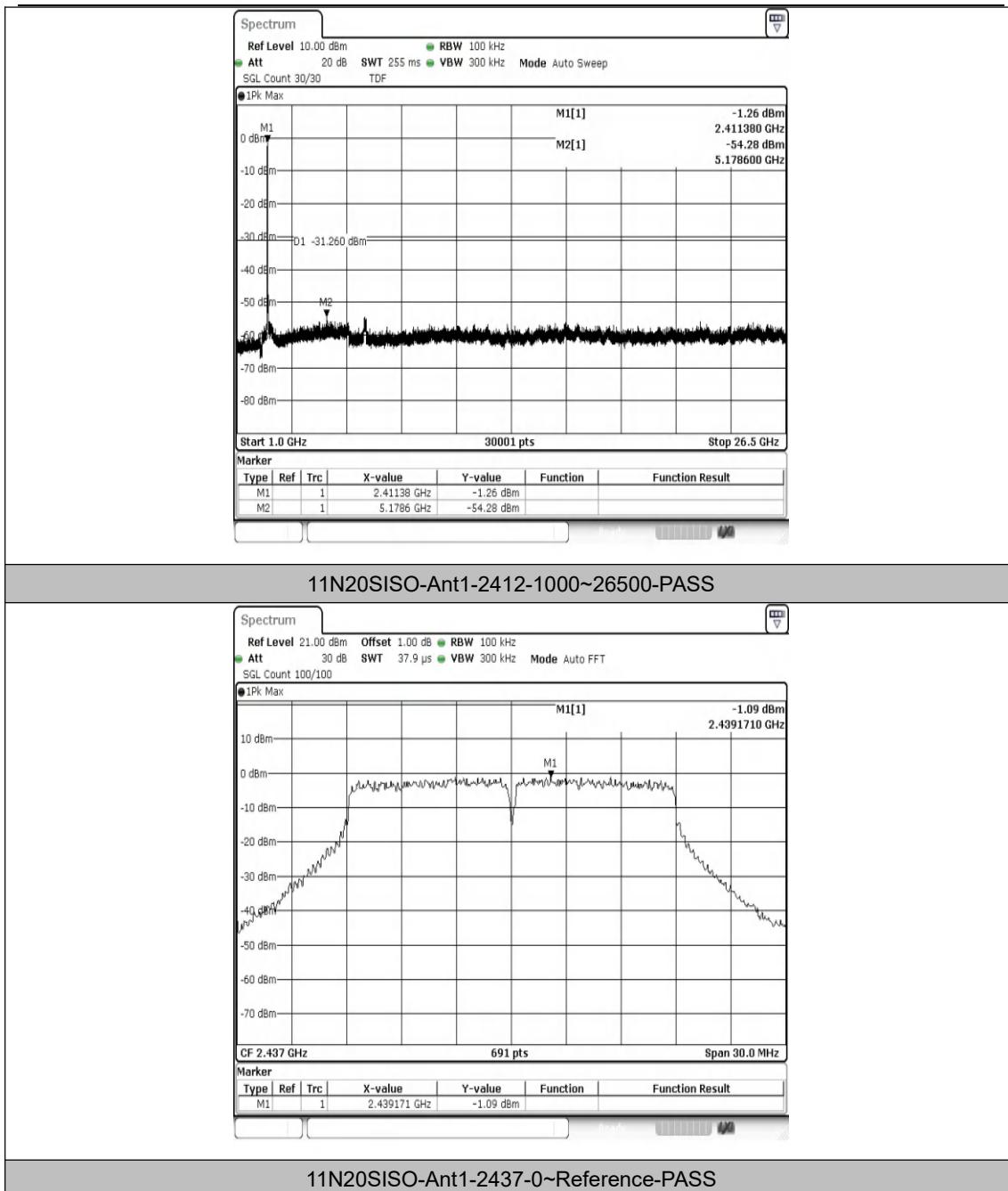
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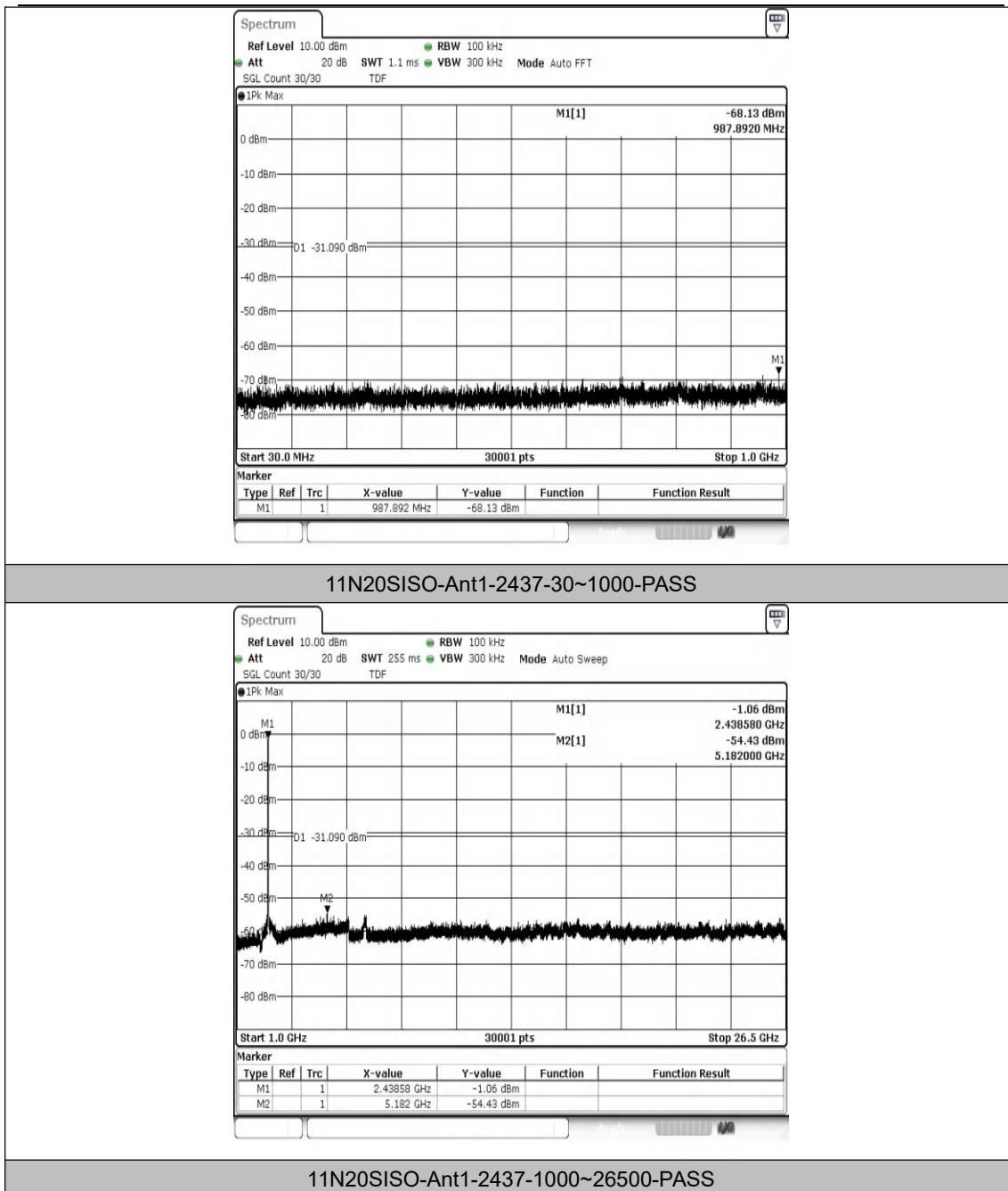
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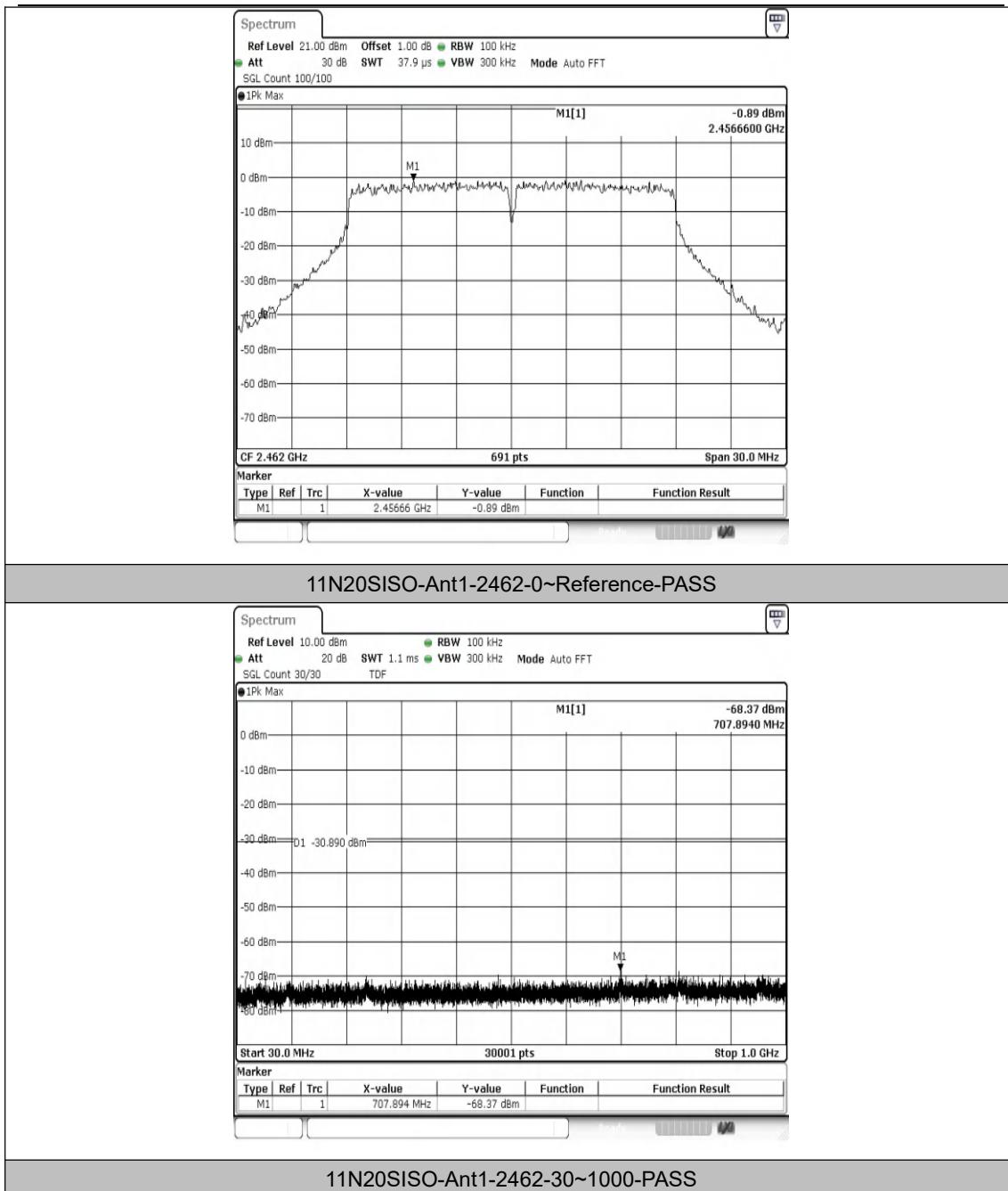
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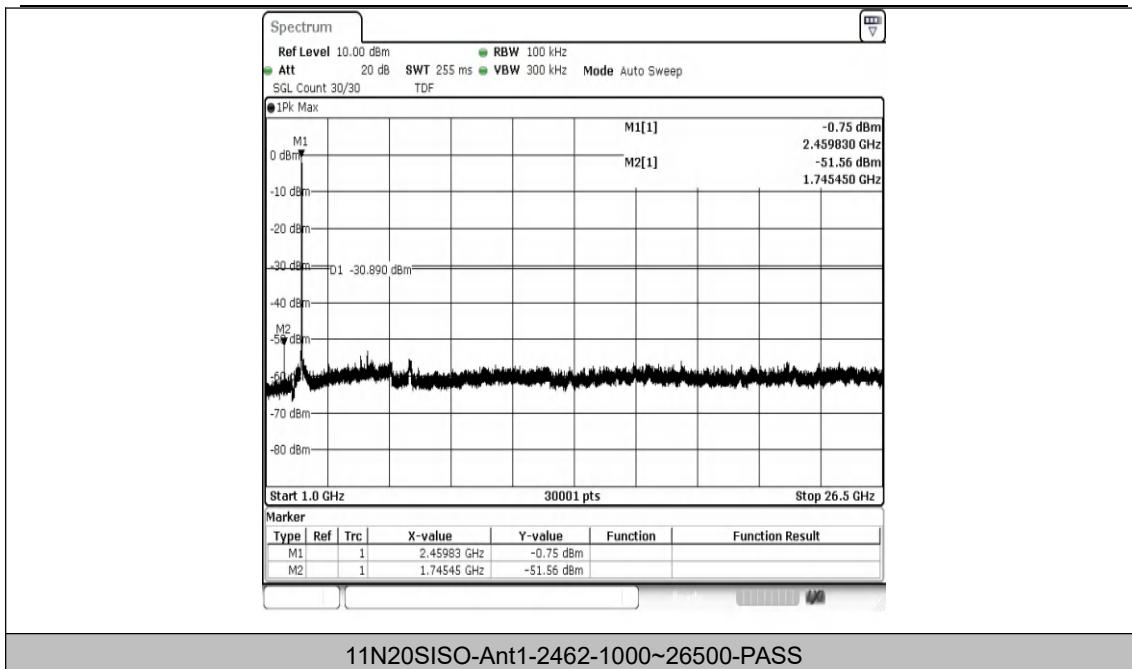
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Appendix G: Duty Cycle

Test Result

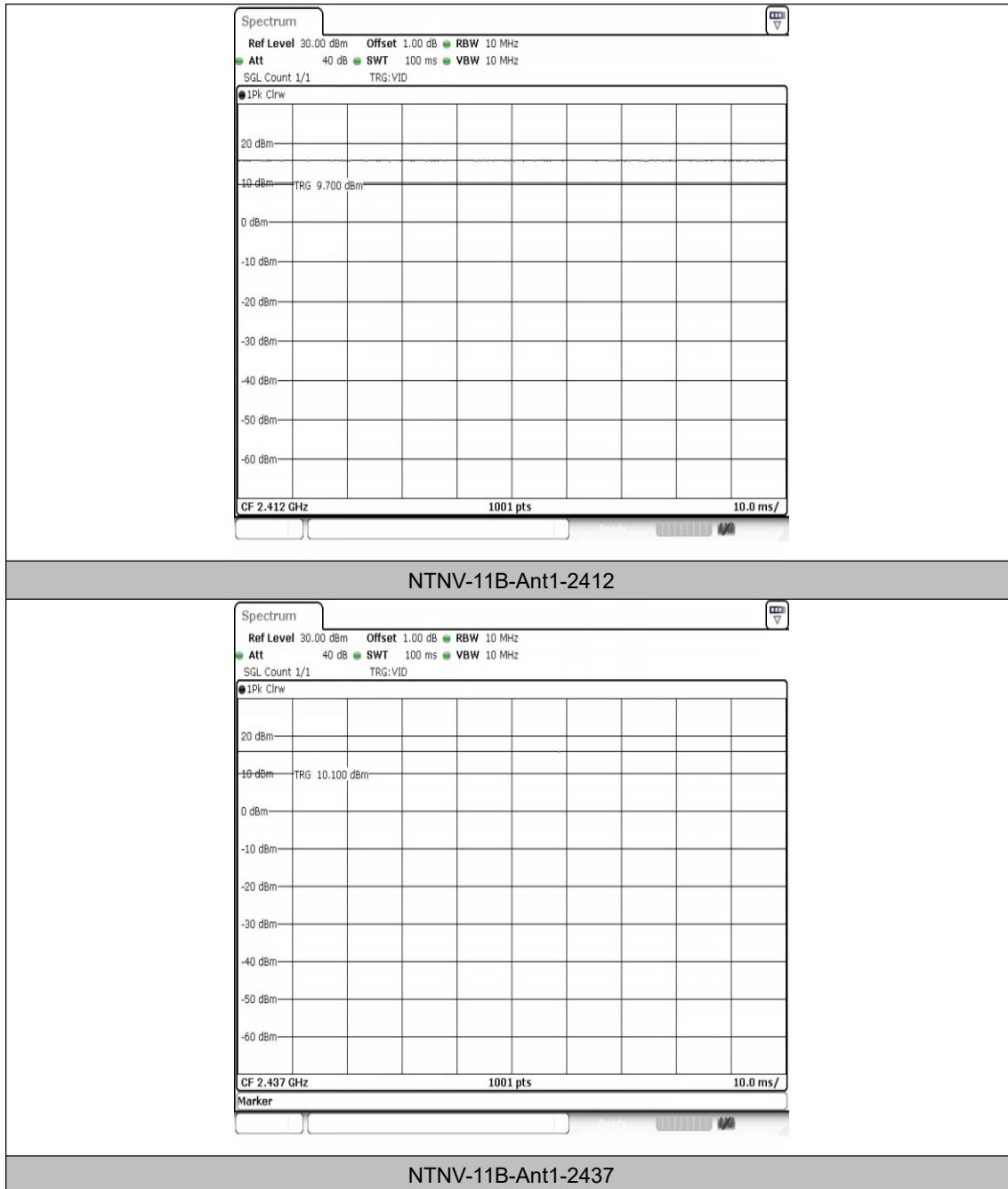
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2462	100.00	100.00	100.00	0.00

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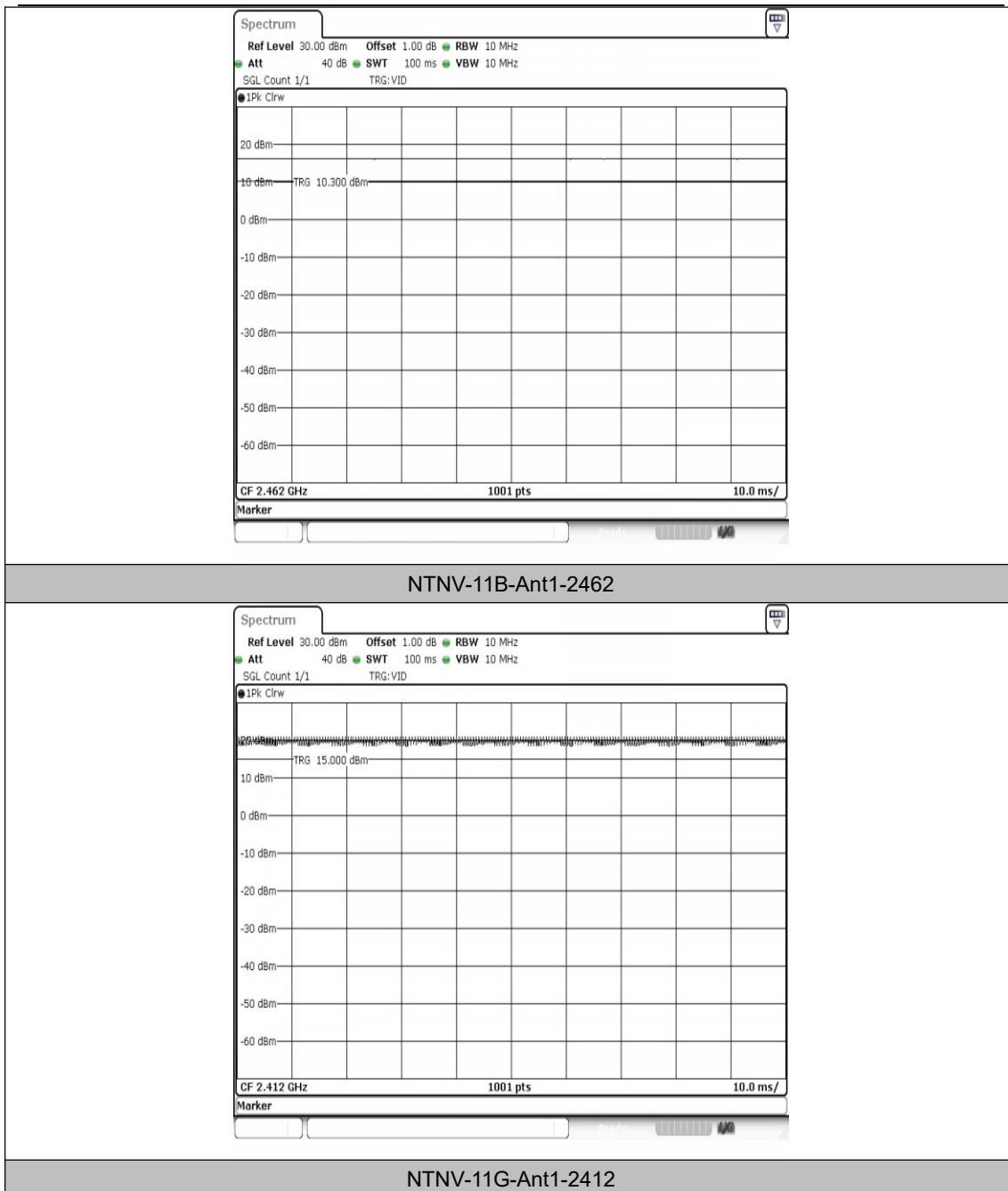
Test Graphs



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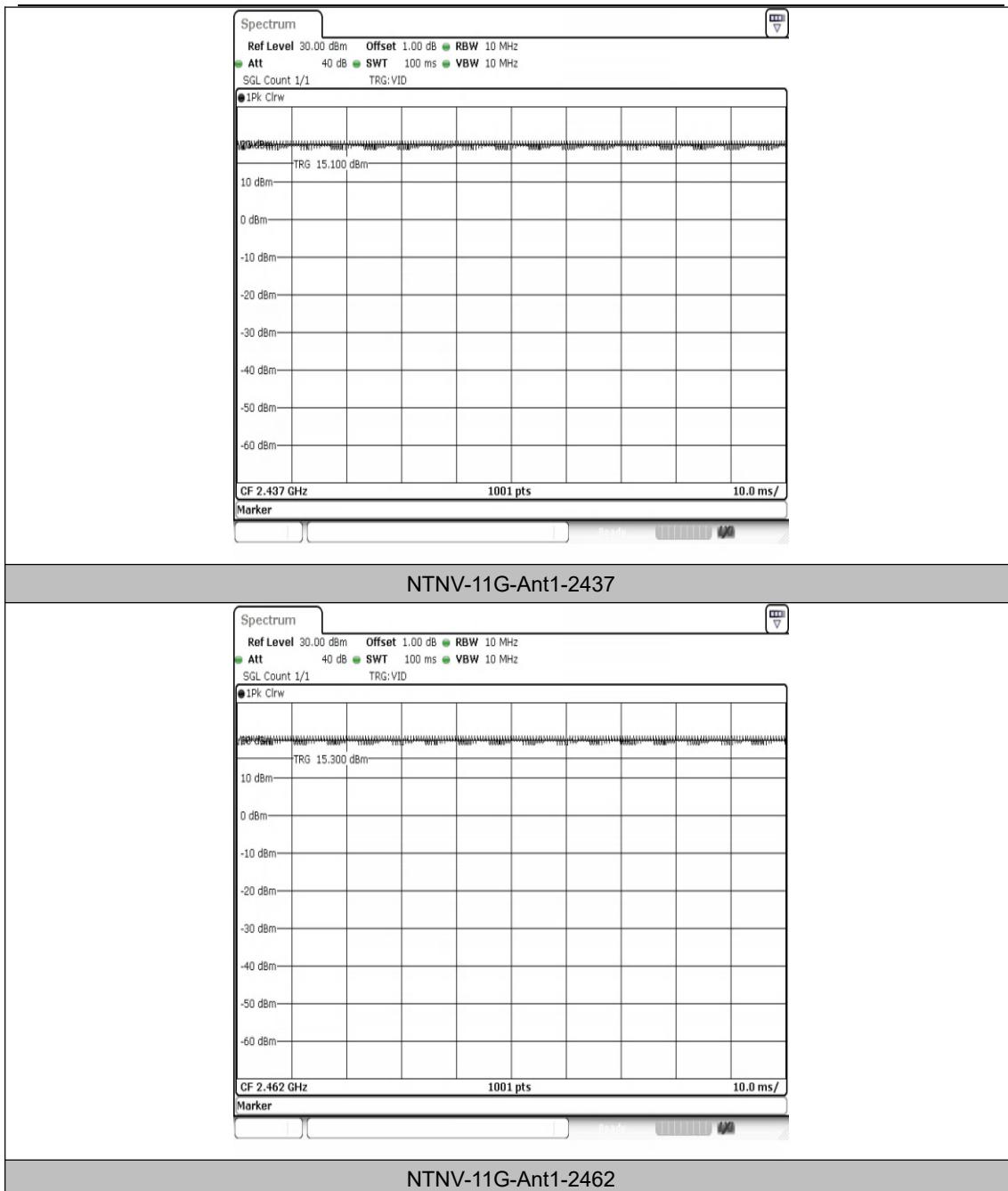
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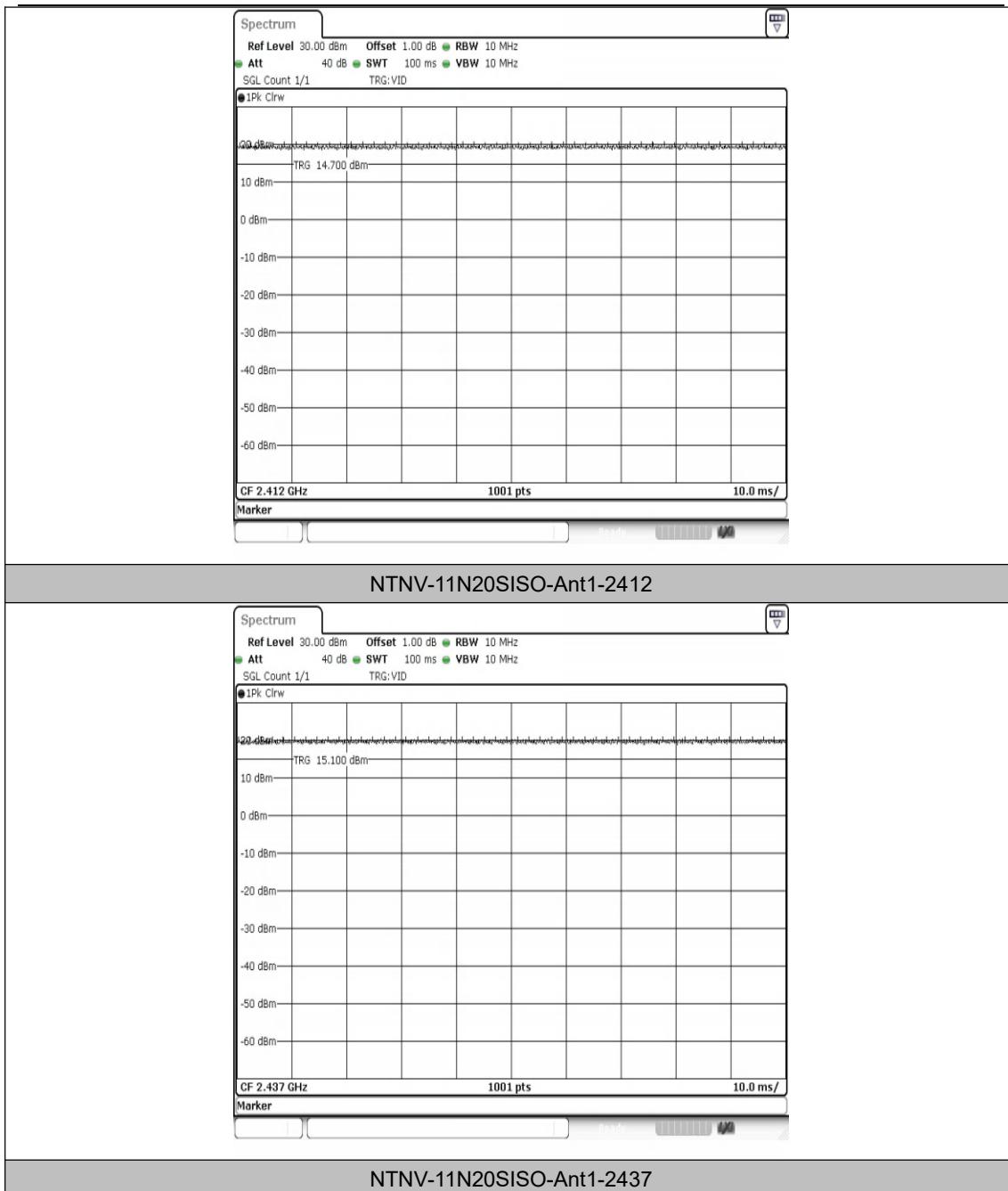
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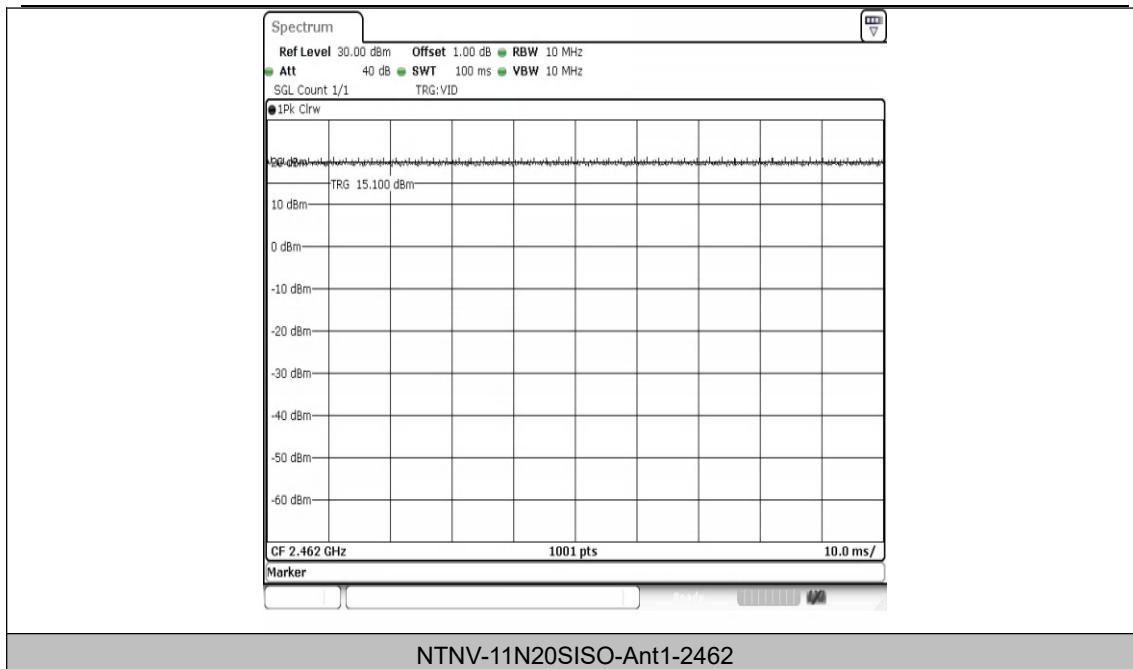
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---End---

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