

Appendix Test Data

Report No:	1814C40082912502	Test Sample NO:	1-2-2
Start Test Date:	2024.11.6	Finish Test Date:	2024.11.6
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22°C	Relative Humidity:	51%
Pressure:	101 kPa		

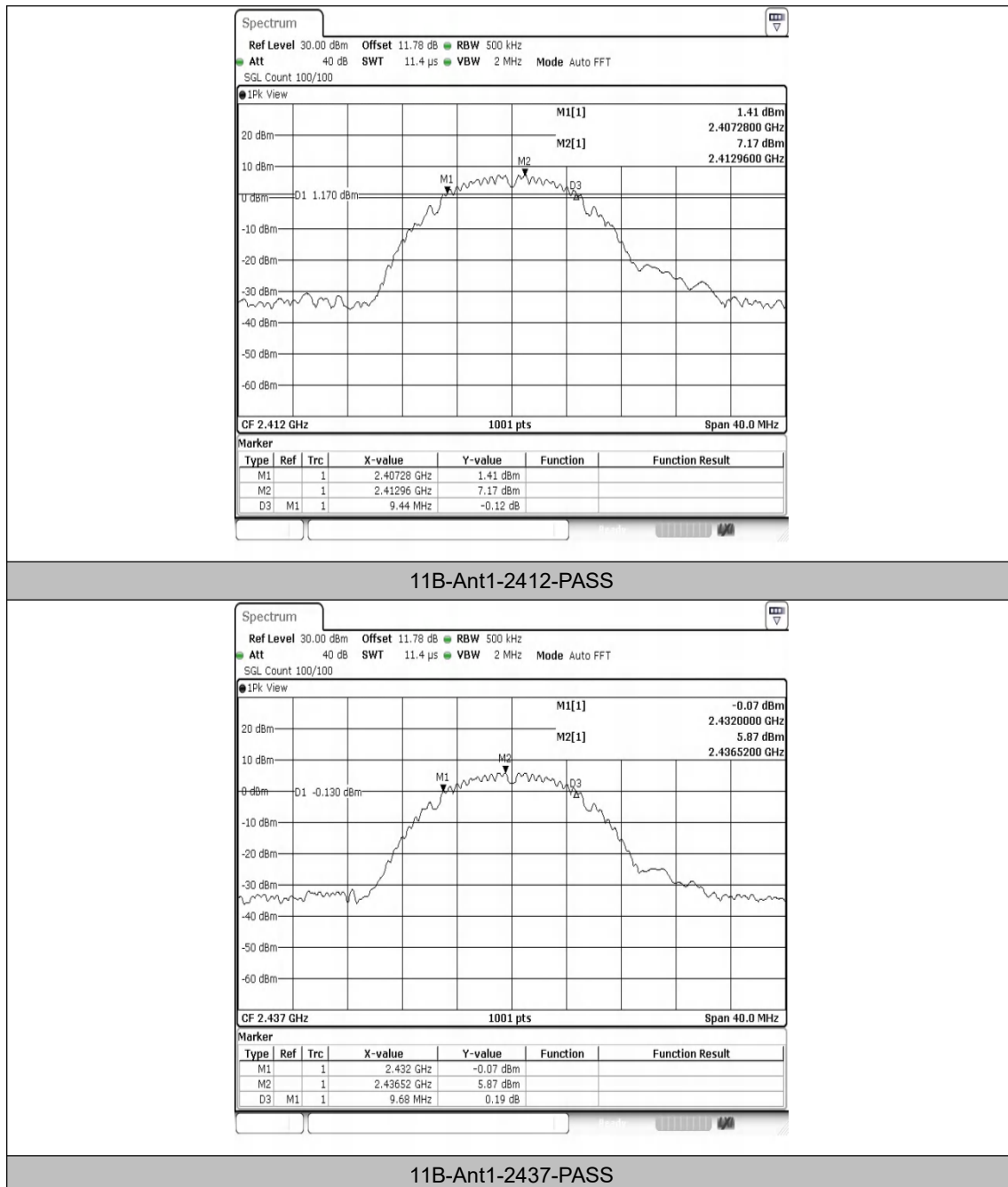
Appendix A: DTS Bandwidth

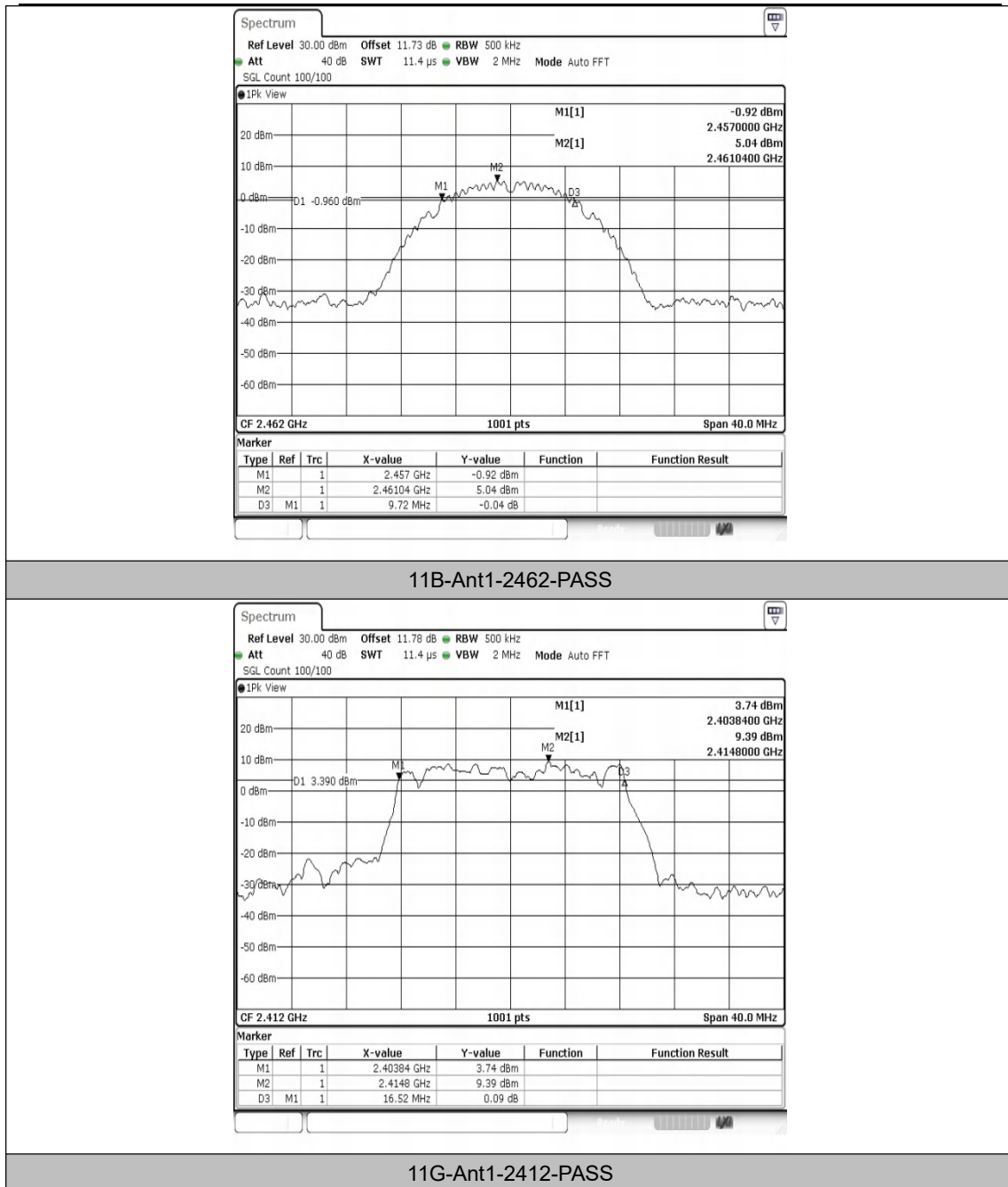
Test Result

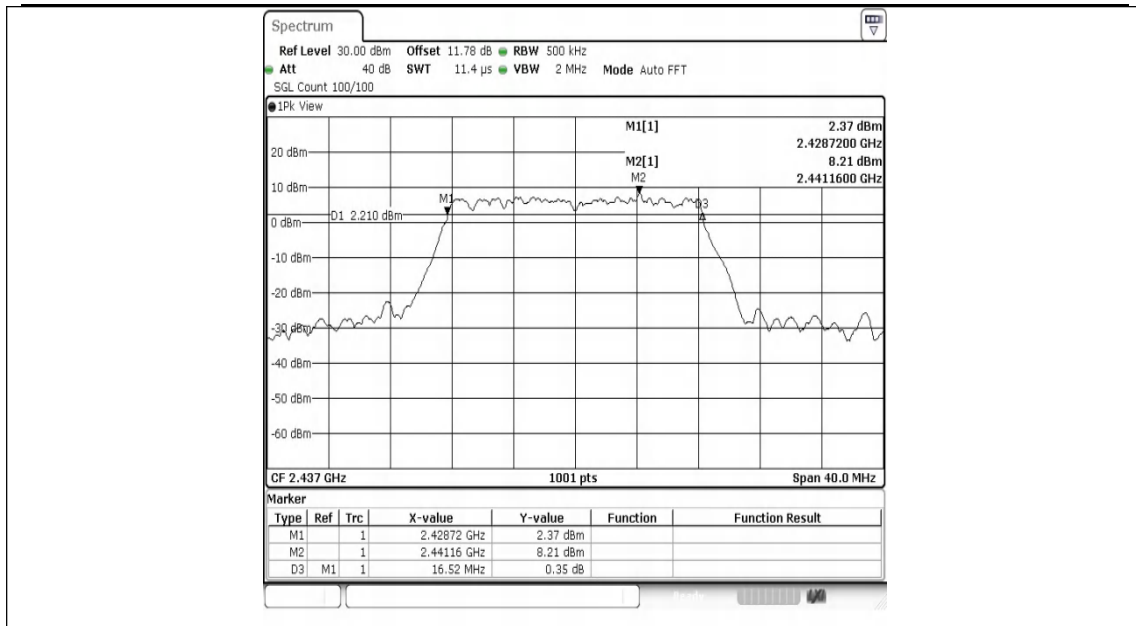
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.44	2407.28	2416.72	0.5	PASS
11B	Ant1	2437	9.68	2432.00	2441.68	0.5	PASS
11B	Ant1	2462	9.72	2457.00	2466.72	0.5	PASS
11G	Ant1	2412	16.52	2403.84	2420.36	0.5	PASS
11G	Ant1	2437	16.52	2428.72	2445.24	0.5	PASS
11G	Ant1	2462	16.68	2453.64	2470.32	0.5	PASS
11N20SISO	Ant1	2412	16.68	2403.72	2420.40	0.5	PASS
11N20SISO	Ant1	2437	17.44	2428.24	2445.68	0.5	PASS
11N20SISO	Ant1	2462	17.64	2453.12	2470.76	0.5	PASS



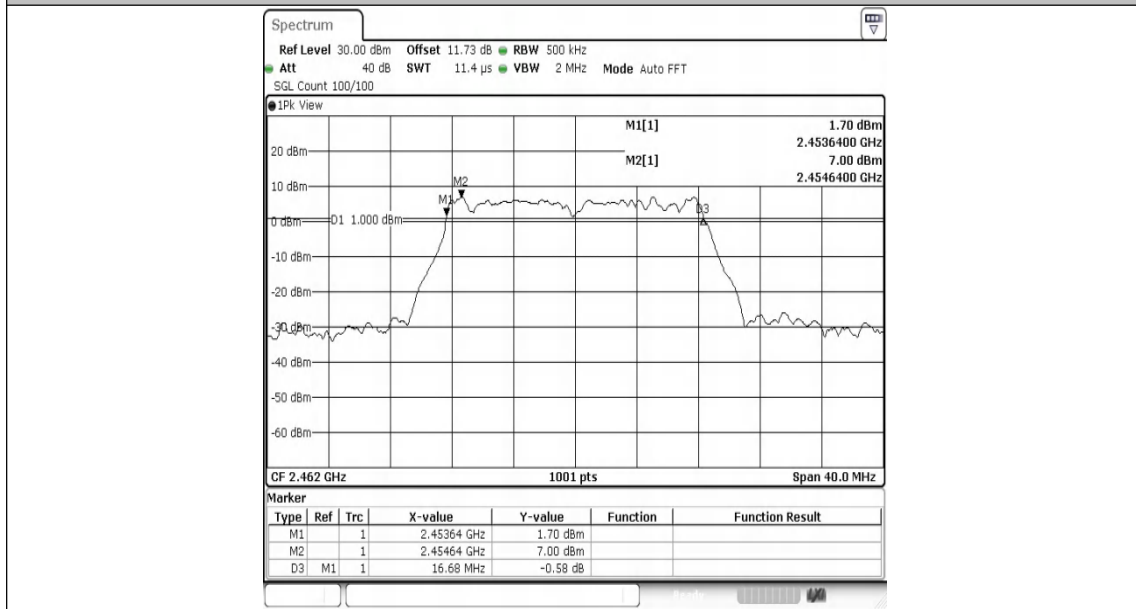
Test Graphs





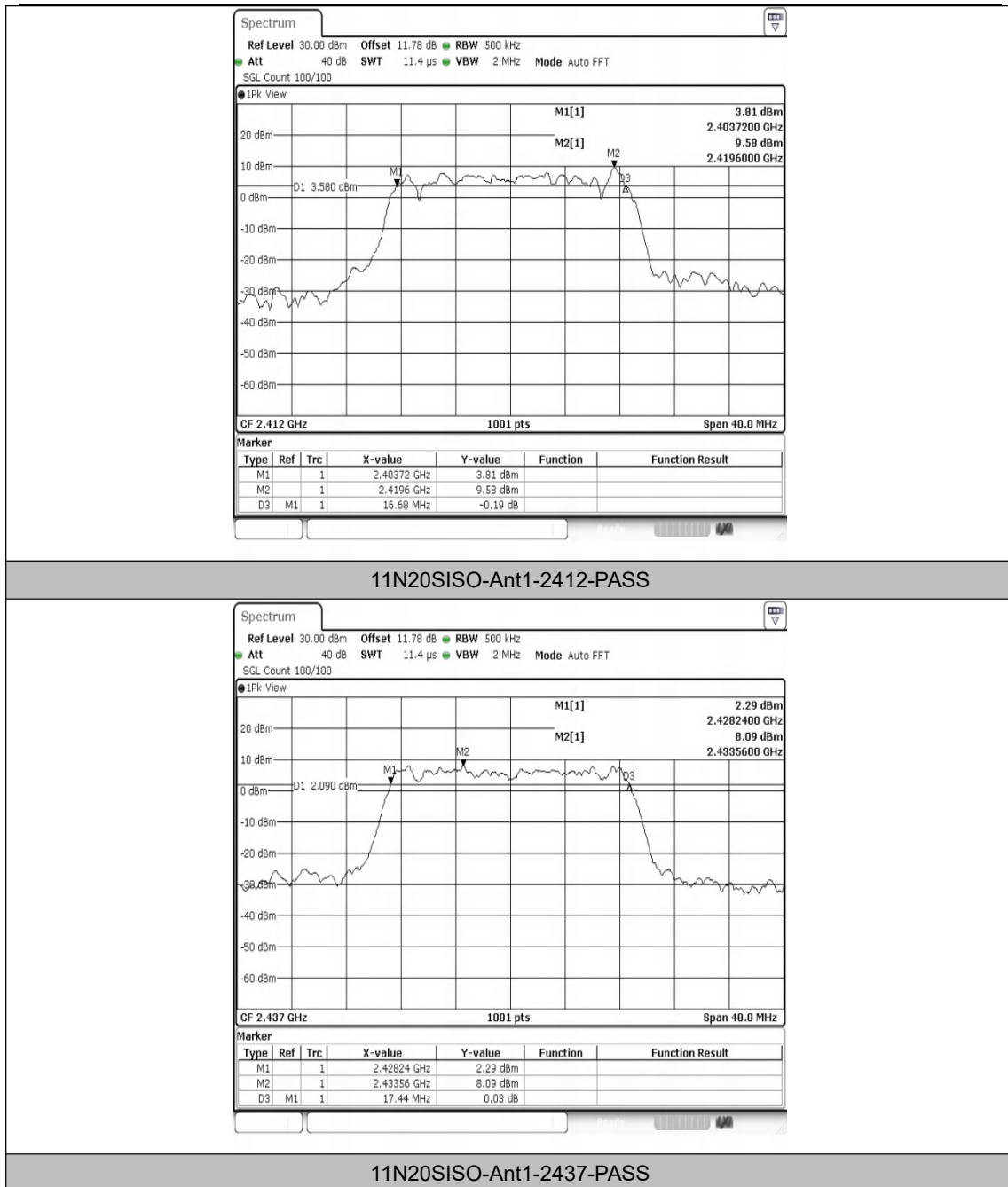


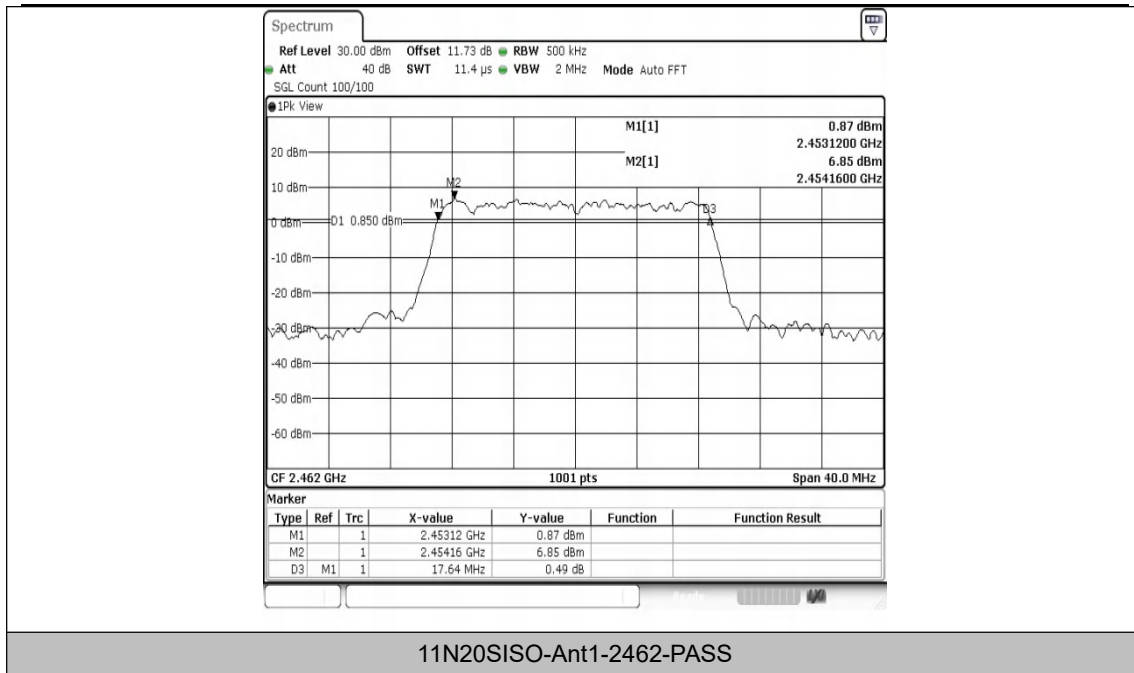
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.187	2405.4865	2418.6733	---	---
11B	Ant1	2437	13.427	2430.2468	2443.6733	---	---
11B	Ant1	2462	13.467	2455.2068	2468.6733	---	---
11G	Ant1	2412	16.903	2403.5285	2420.4316	---	---
11G	Ant1	2437	16.783	2428.6883	2445.4715	---	---
11G	Ant1	2462	16.863	2453.6084	2470.4715	---	---
11N20SISO	Ant1	2412	17.702	2403.2088	2420.9111	---	---
11N20SISO	Ant1	2437	17.902	2428.0490	2445.9510	---	---
11N20SISO	Ant1	2462	18.302	2452.8492	2471.1508	---	---

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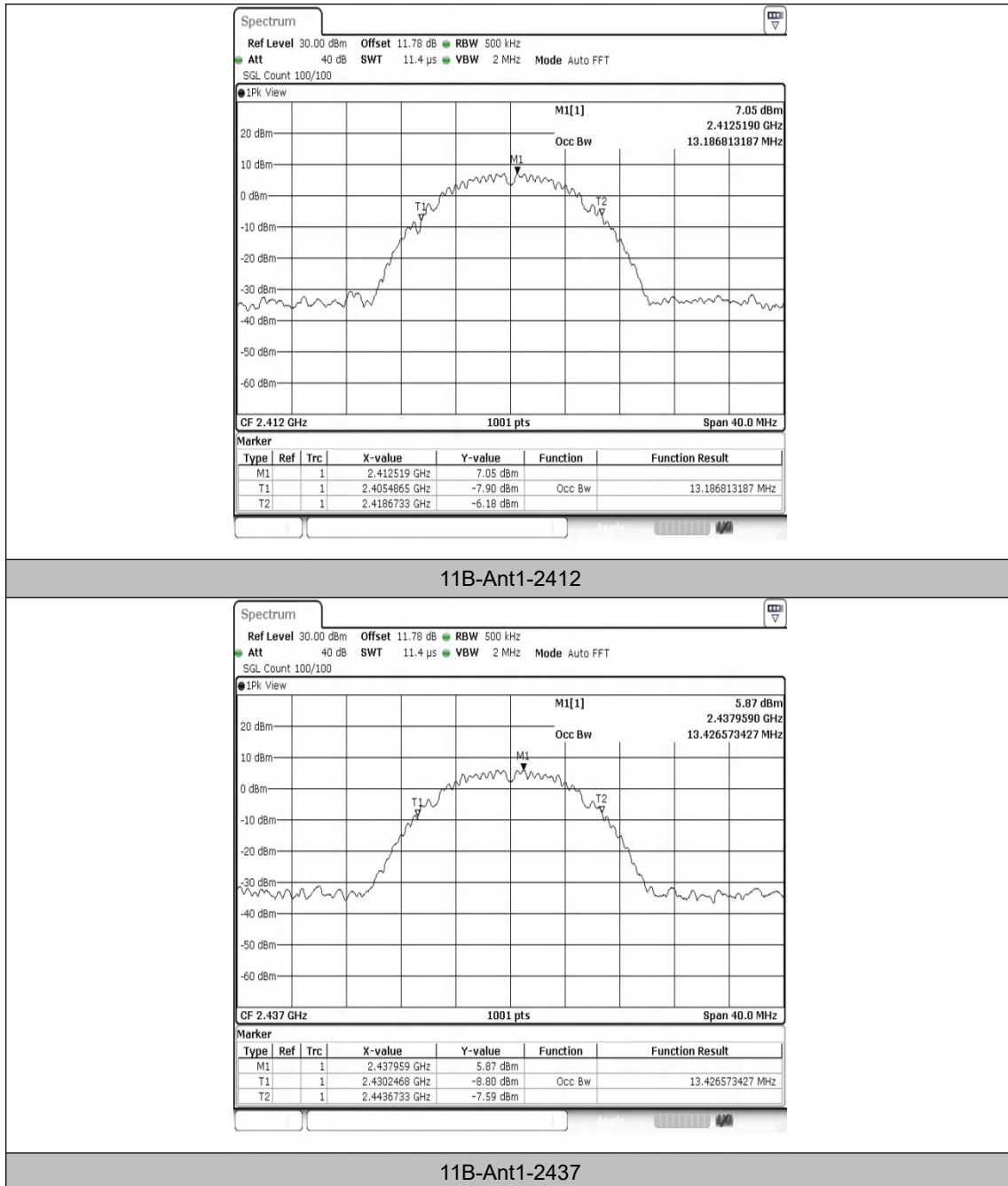
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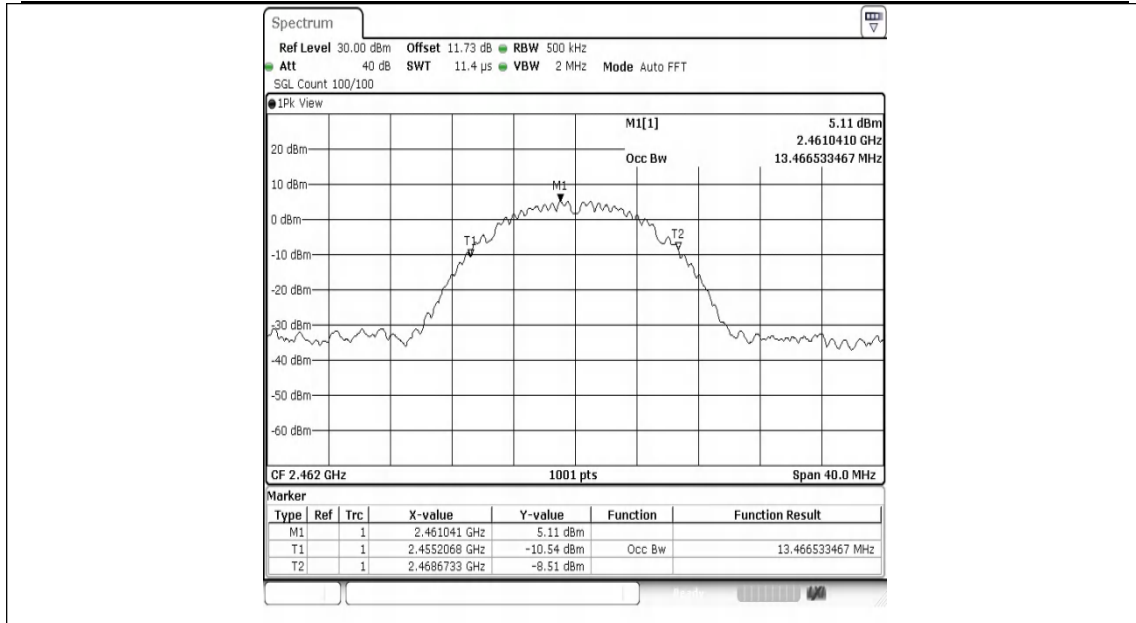


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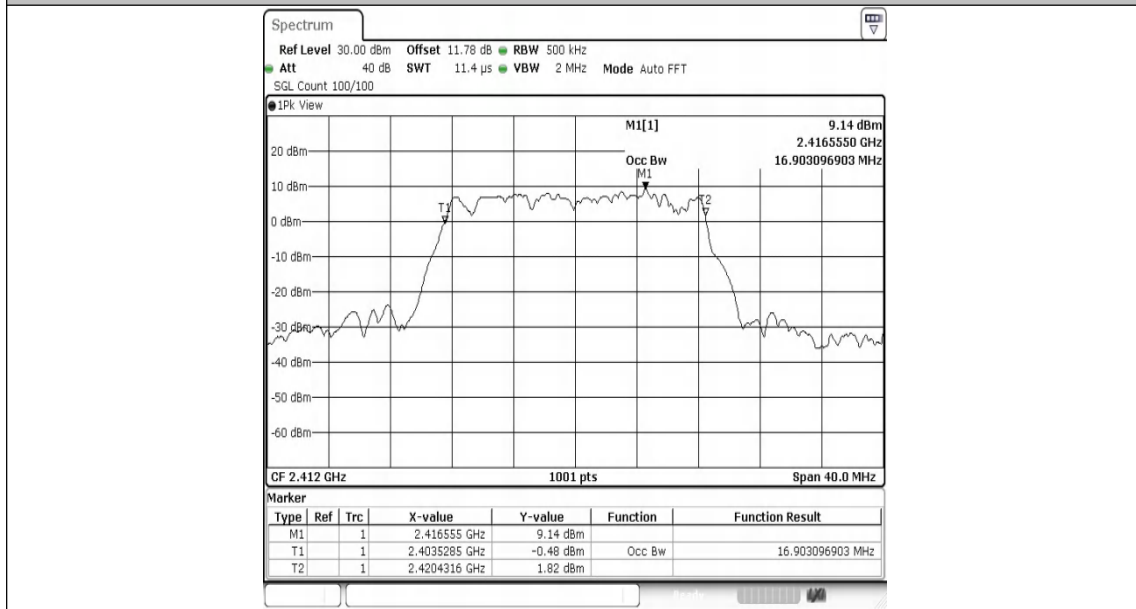


Test Graphs



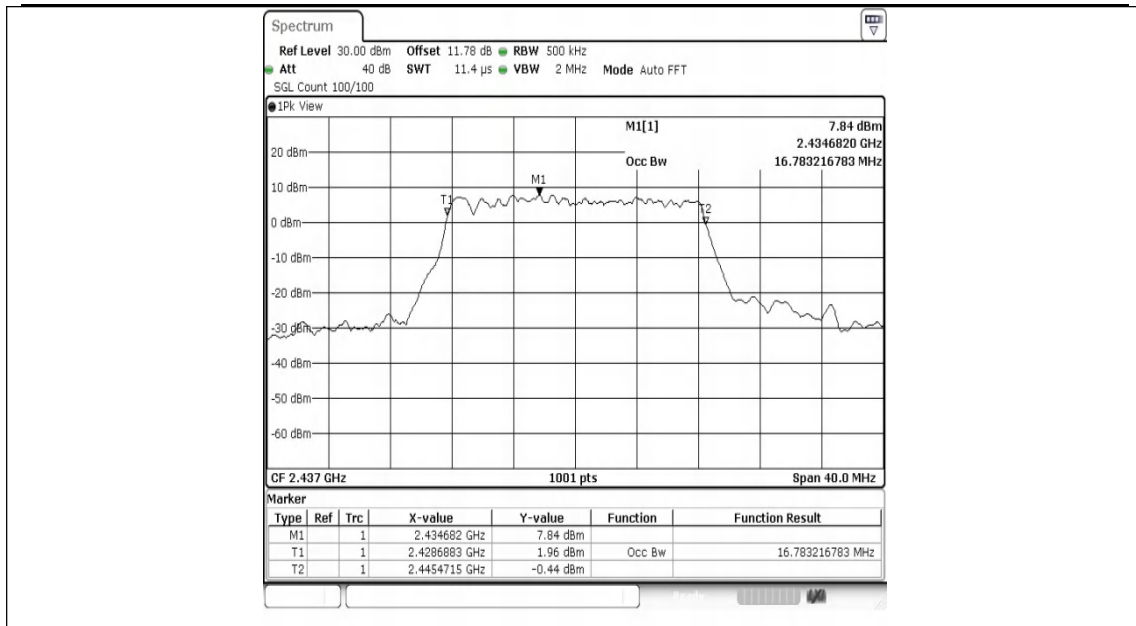


11B-Ant1-2462

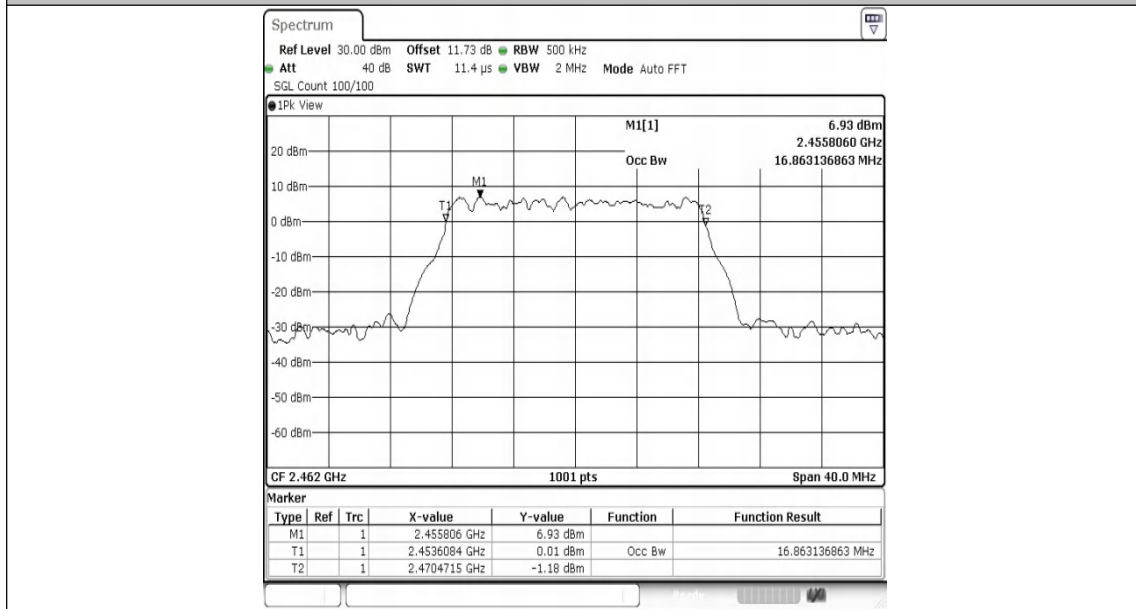


11G-Ant1-2412



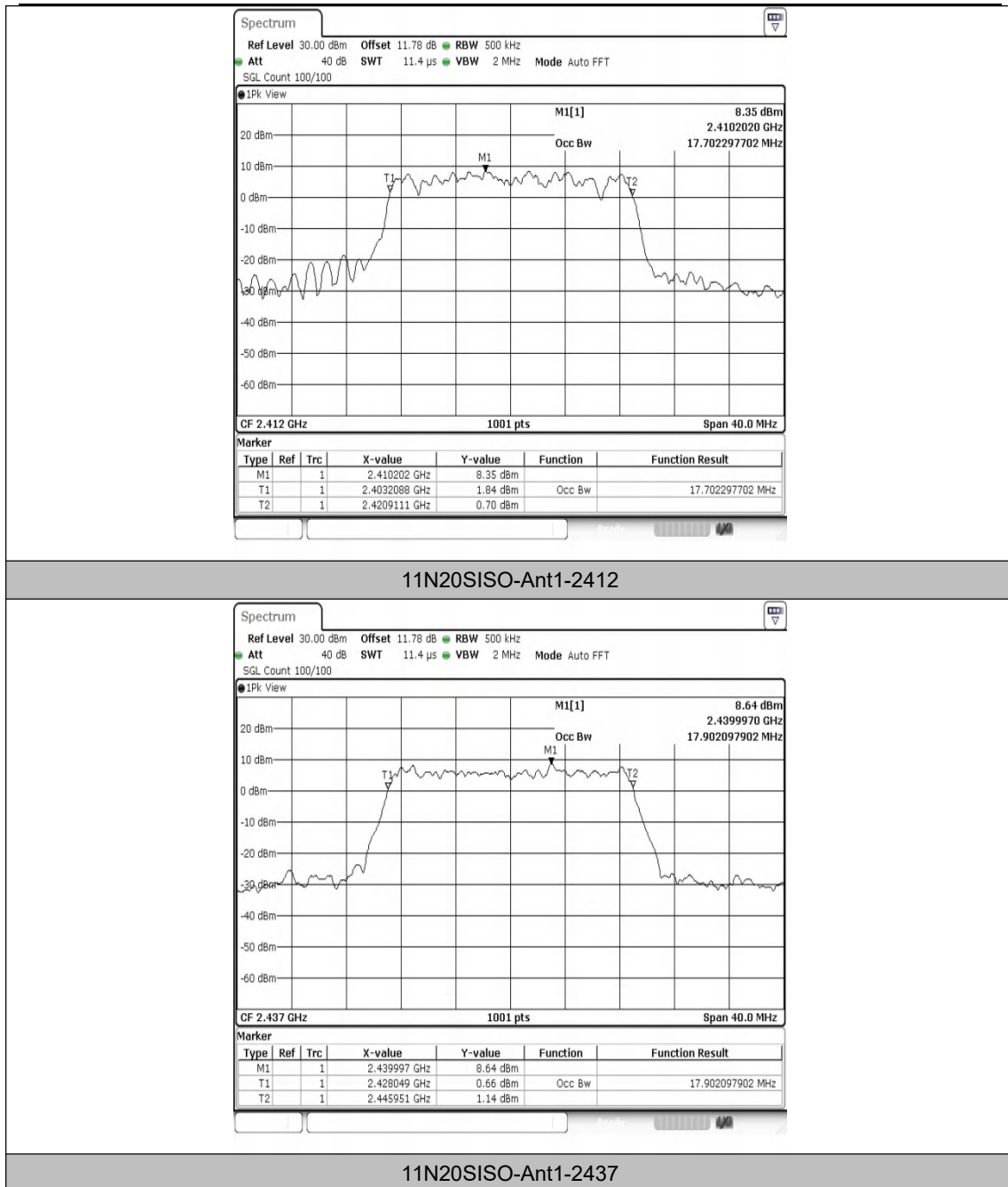


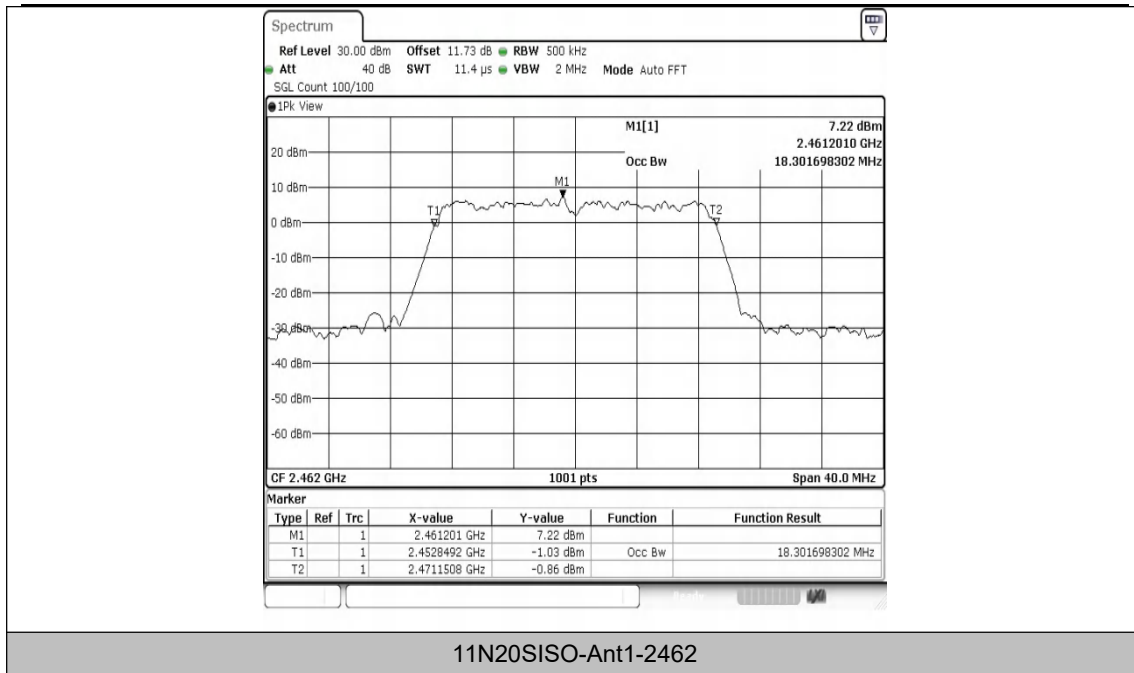
11G-Ant1-2437



11G-Ant1-2462







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Appendix C: Maximum conducted output power

Test Result Average

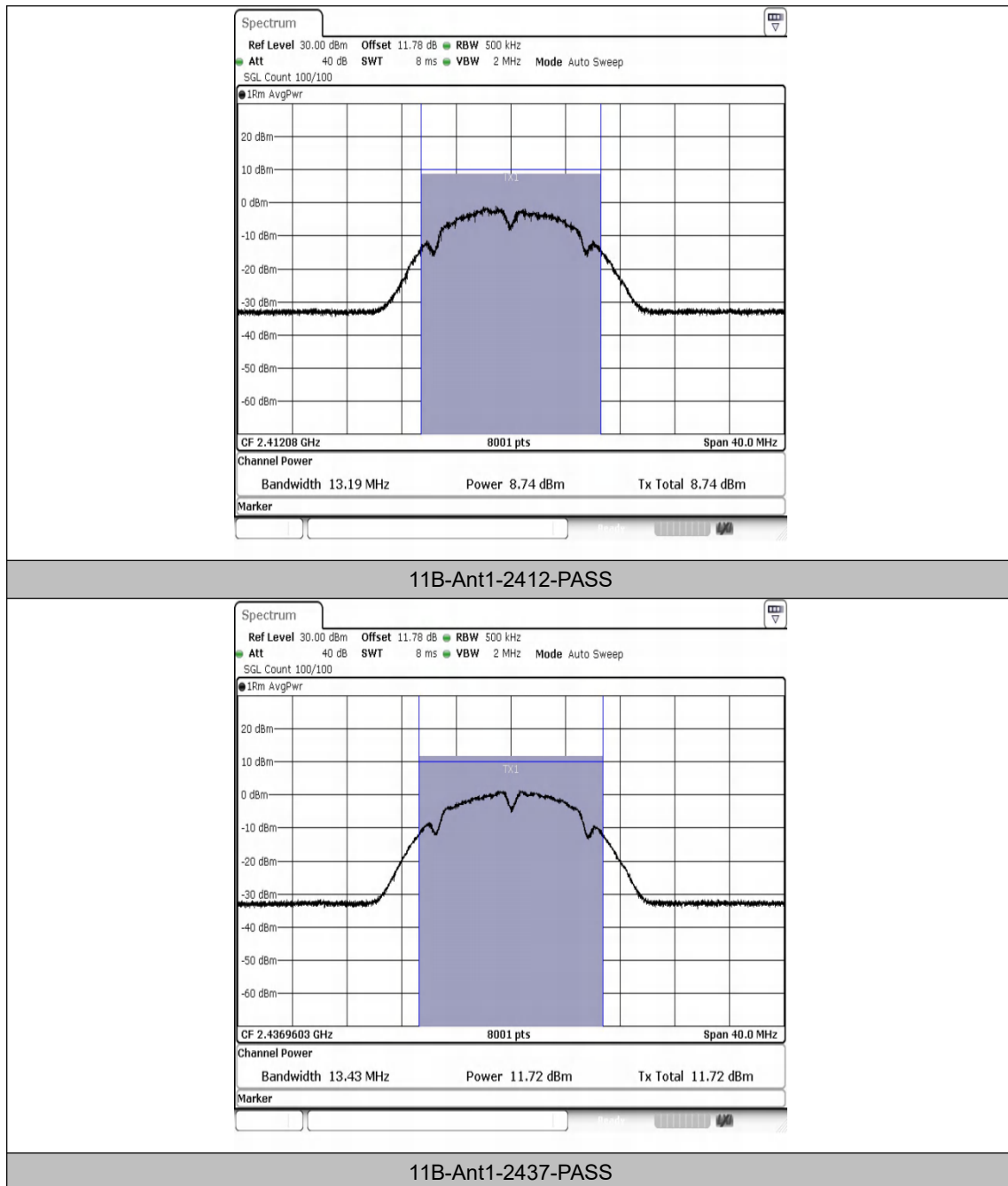
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.74	28.74	5.42	14.16	≤30.00	PASS
11B	Ant1	2437	11.72	61.81	2.09	13.81	≤30.00	PASS
11B	Ant1	2462	11.13	60.89	2.15	13.28	≤30.00	PASS
11G	Ant1	2412	7.52	37.76	4.23	11.75	≤30.00	PASS
11G	Ant1	2437	13.17	54.46	2.64	15.81	≤30.00	PASS
11G	Ant1	2462	12.20	54.00	2.68	14.88	≤30.00	PASS
11N20SISO	Ant1	2412	8.48	37.50	4.26	12.74	≤30.00	PASS
11N20SISO	Ant1	2437	13.14	55.56	2.55	15.69	≤30.00	PASS
11N20SISO	Ant1	2462	12.20	54.46	2.64	14.84	≤30.00	PASS

Note:

1. The cable loss are compensated in the graph



Test Graphs Average

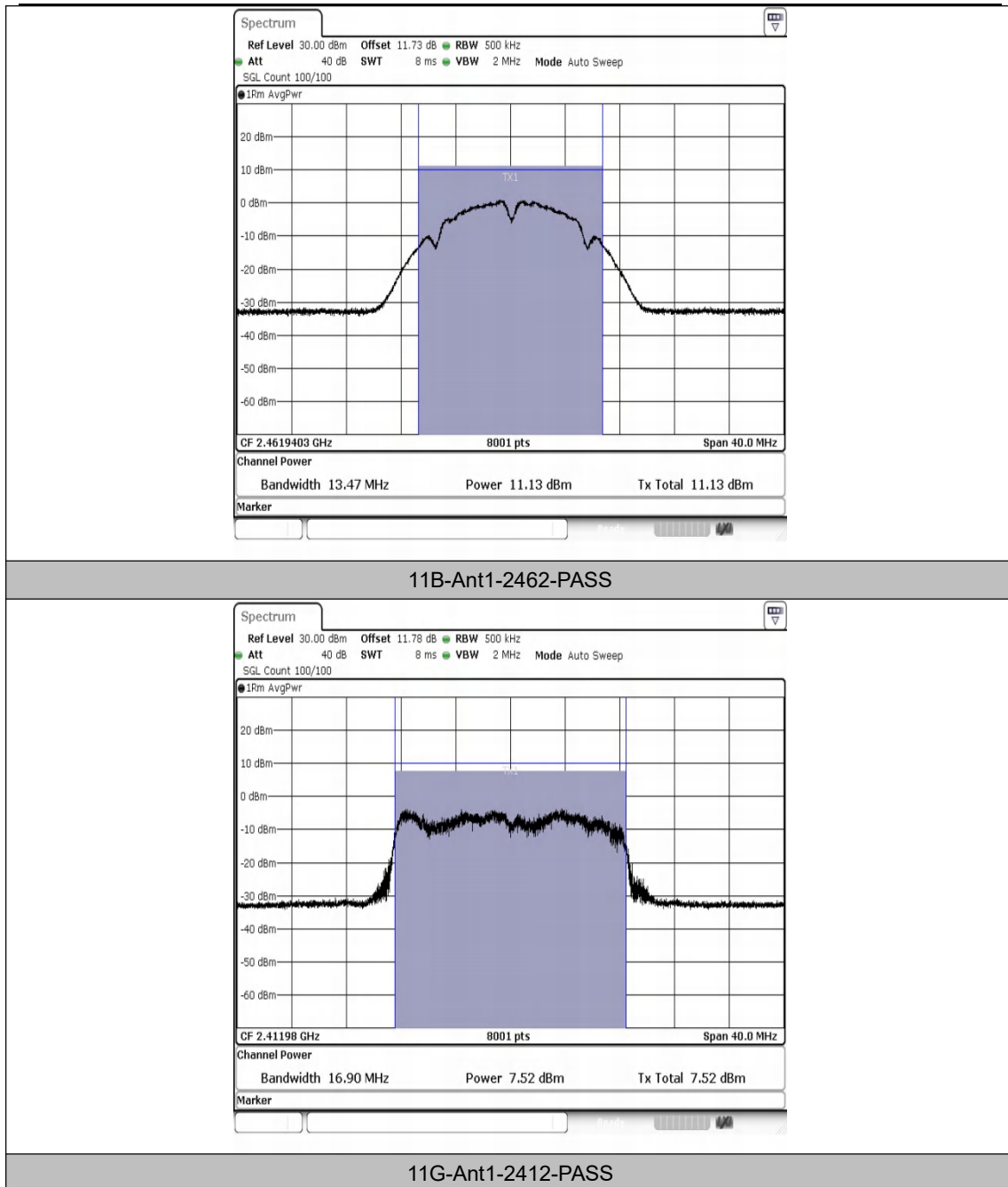


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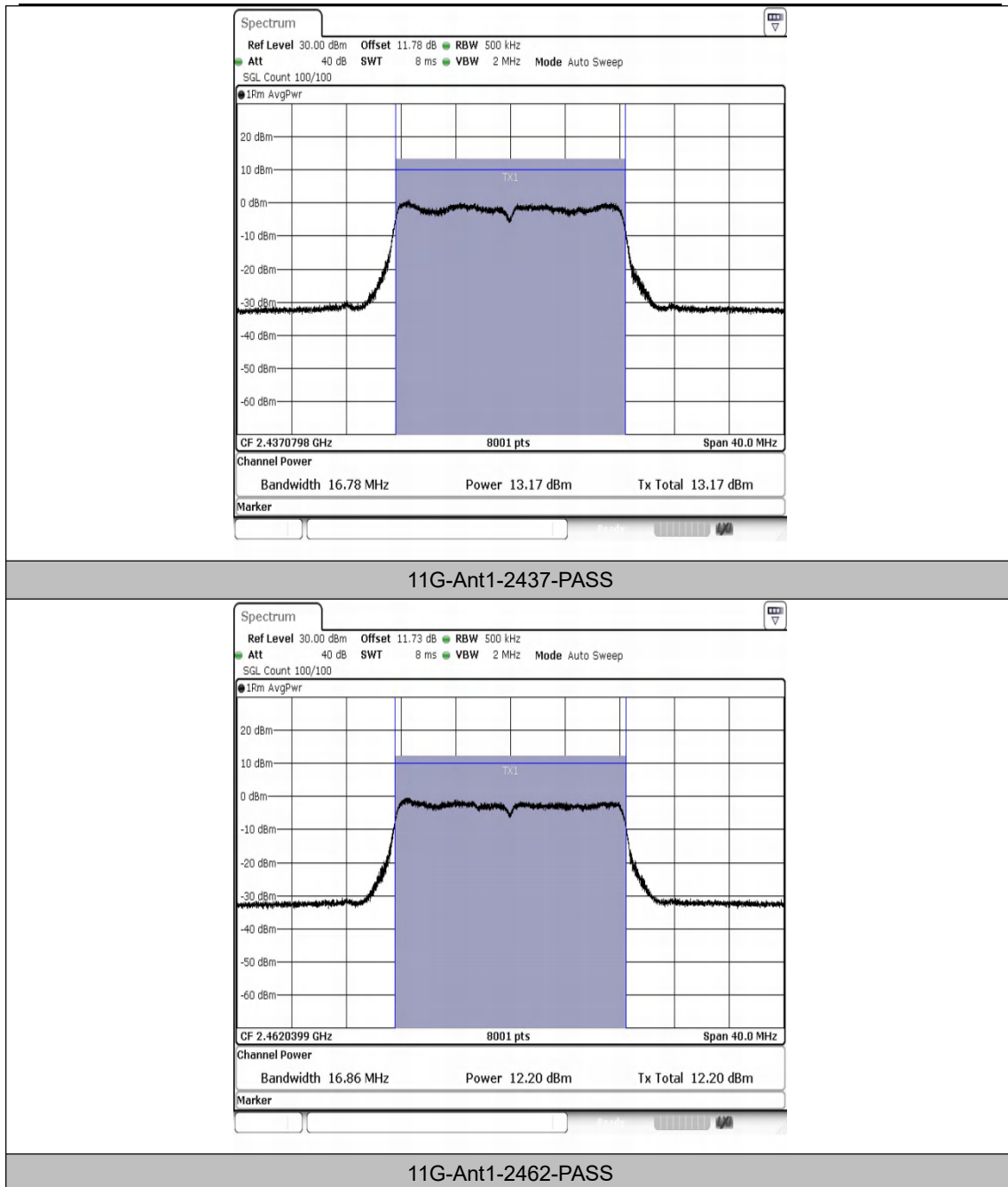
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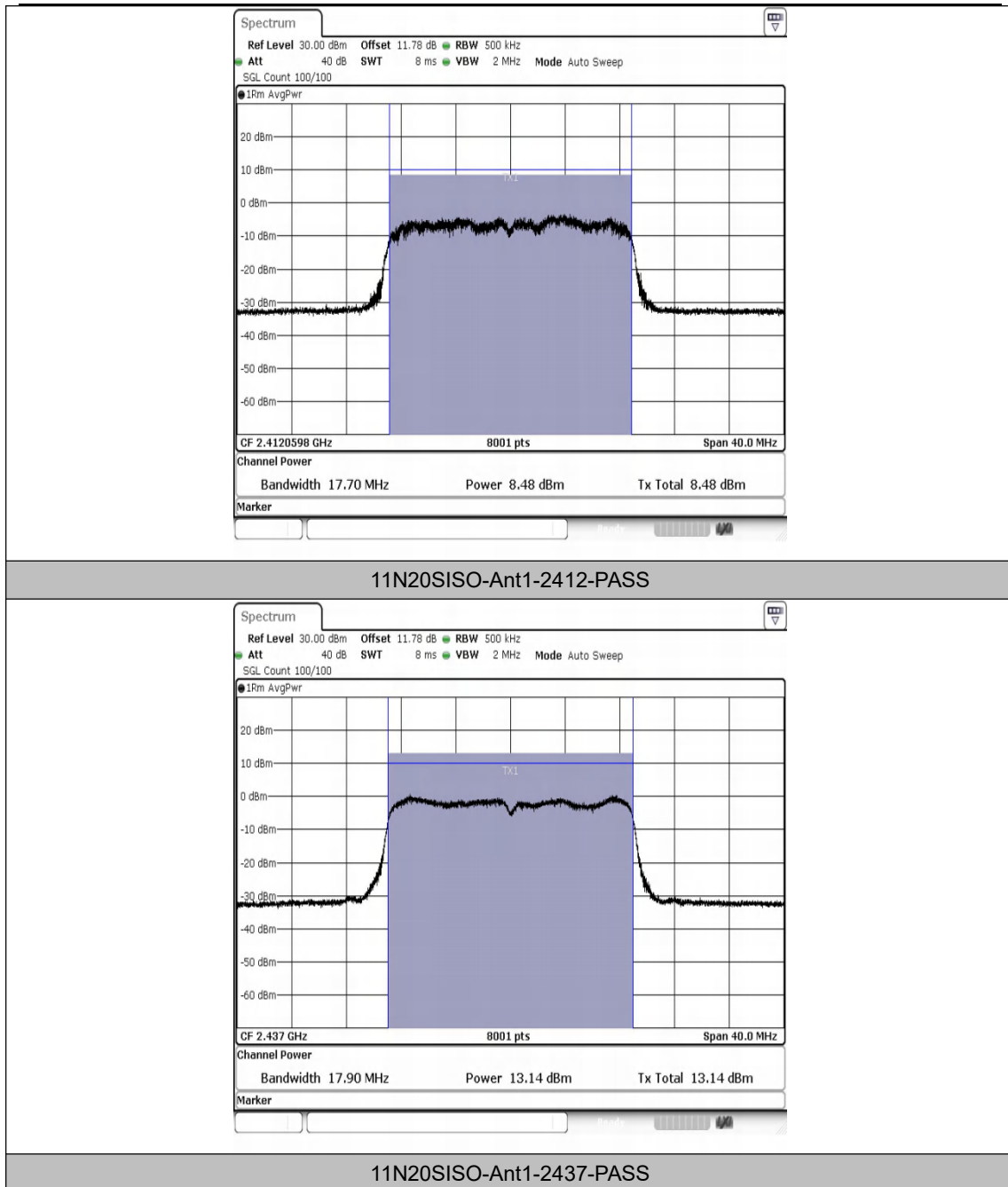


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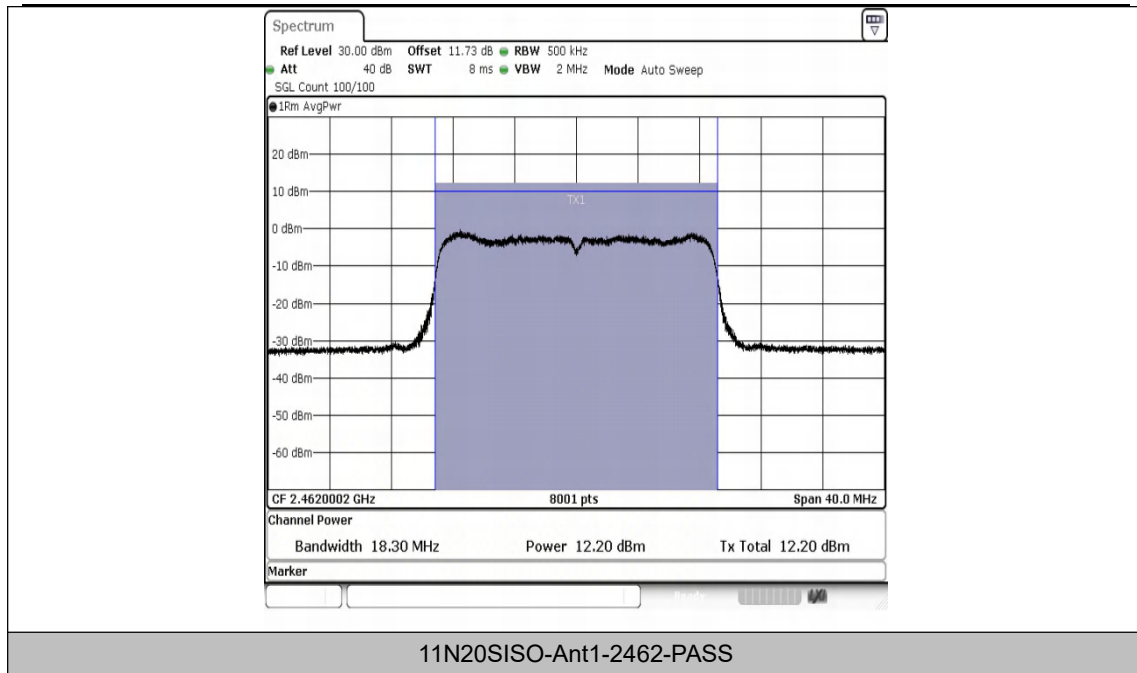


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Appendix D: Maximum power spectral density

Test Result

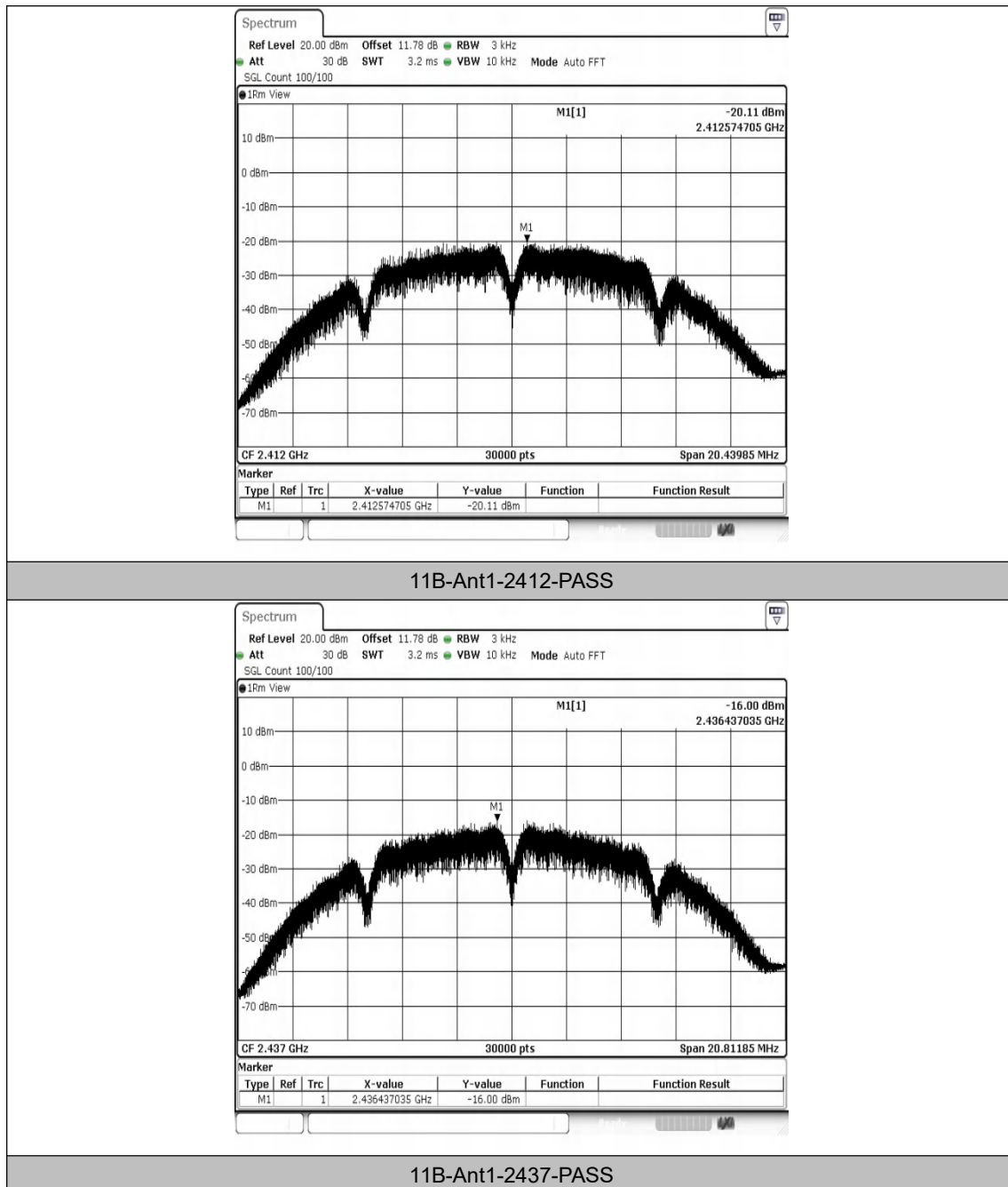
TestMode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-20.11	5.42	-14.69	≤8.00	PASS
11B	Ant1	2437	-16.00	2.09	-13.91	≤8.00	PASS
11B	Ant1	2462	-17.42	2.15	-15.27	≤8.00	PASS
11G	Ant1	2412	-23.34	4.23	-19.11	≤8.00	PASS
11G	Ant1	2437	-19.72	2.64	-17.08	≤8.00	PASS
11G	Ant1	2462	-21.05	2.68	-18.37	≤8.00	PASS
11N20SISO	Ant1	2412	-23.08	4.26	-18.82	≤8.00	PASS
11N20SISO	Ant1	2437	-18.96	2.55	-16.41	≤8.00	PASS
11N20SISO	Ant1	2462	-19.81	2.64	-17.17	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.



Test Graphs

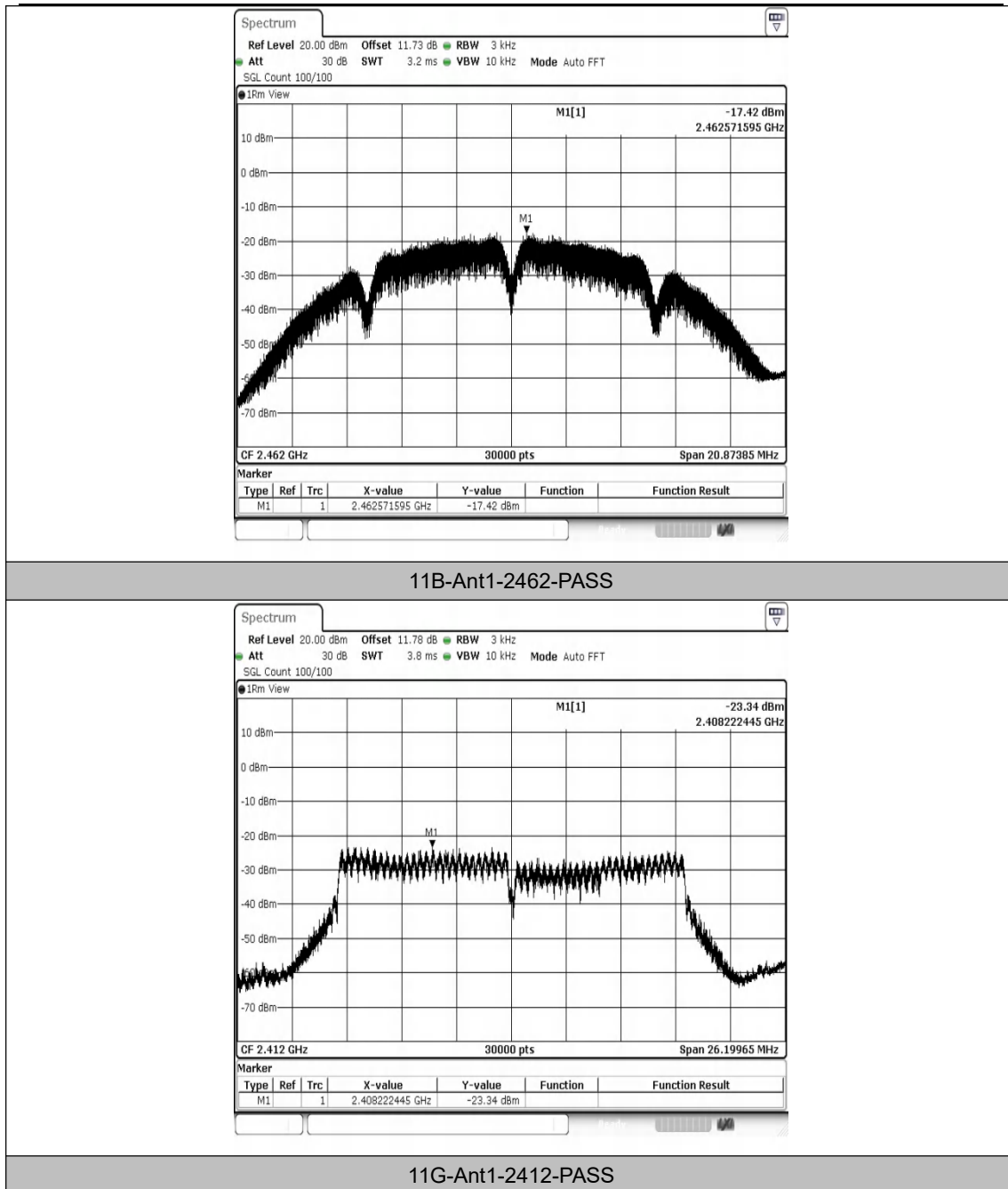


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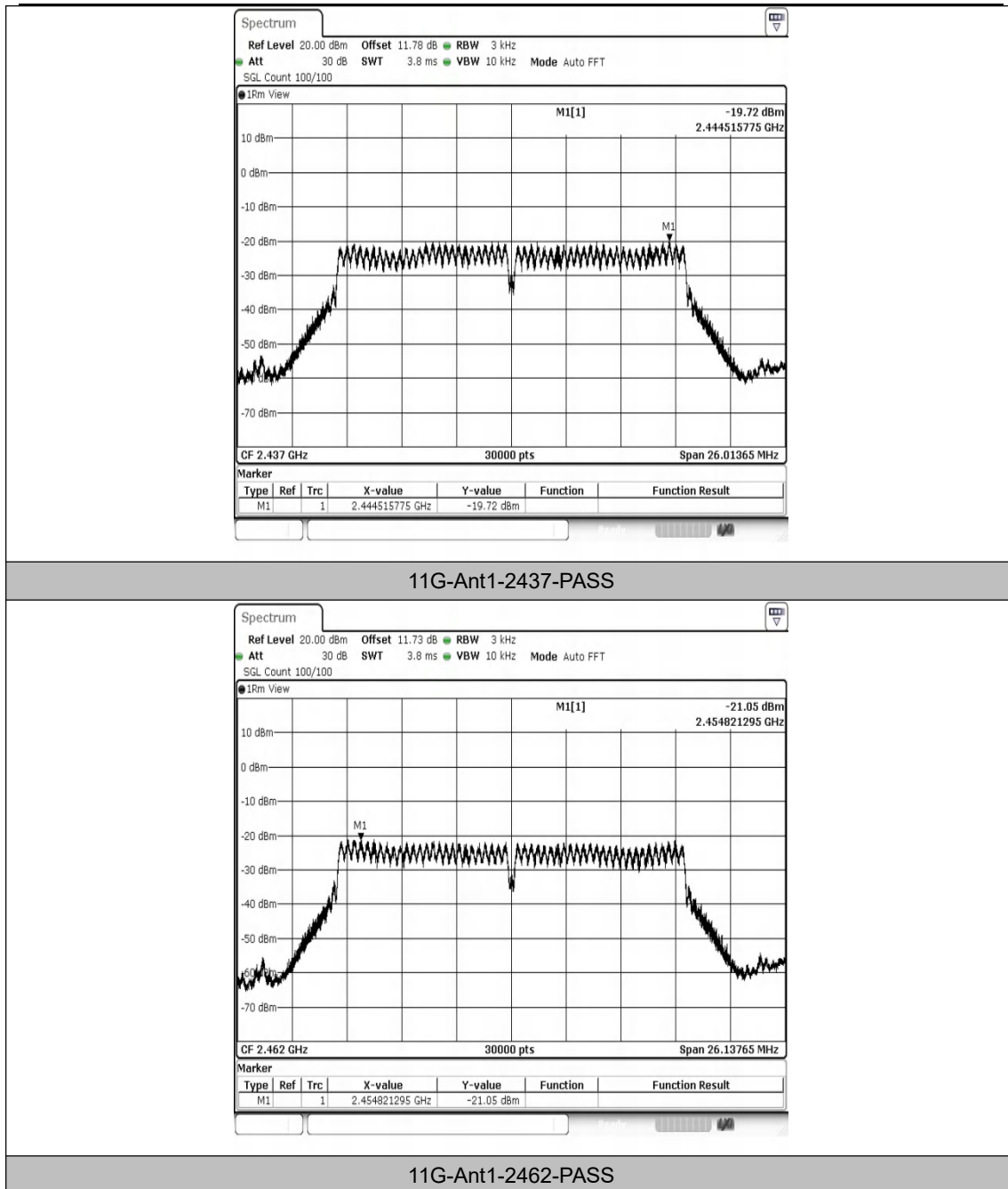


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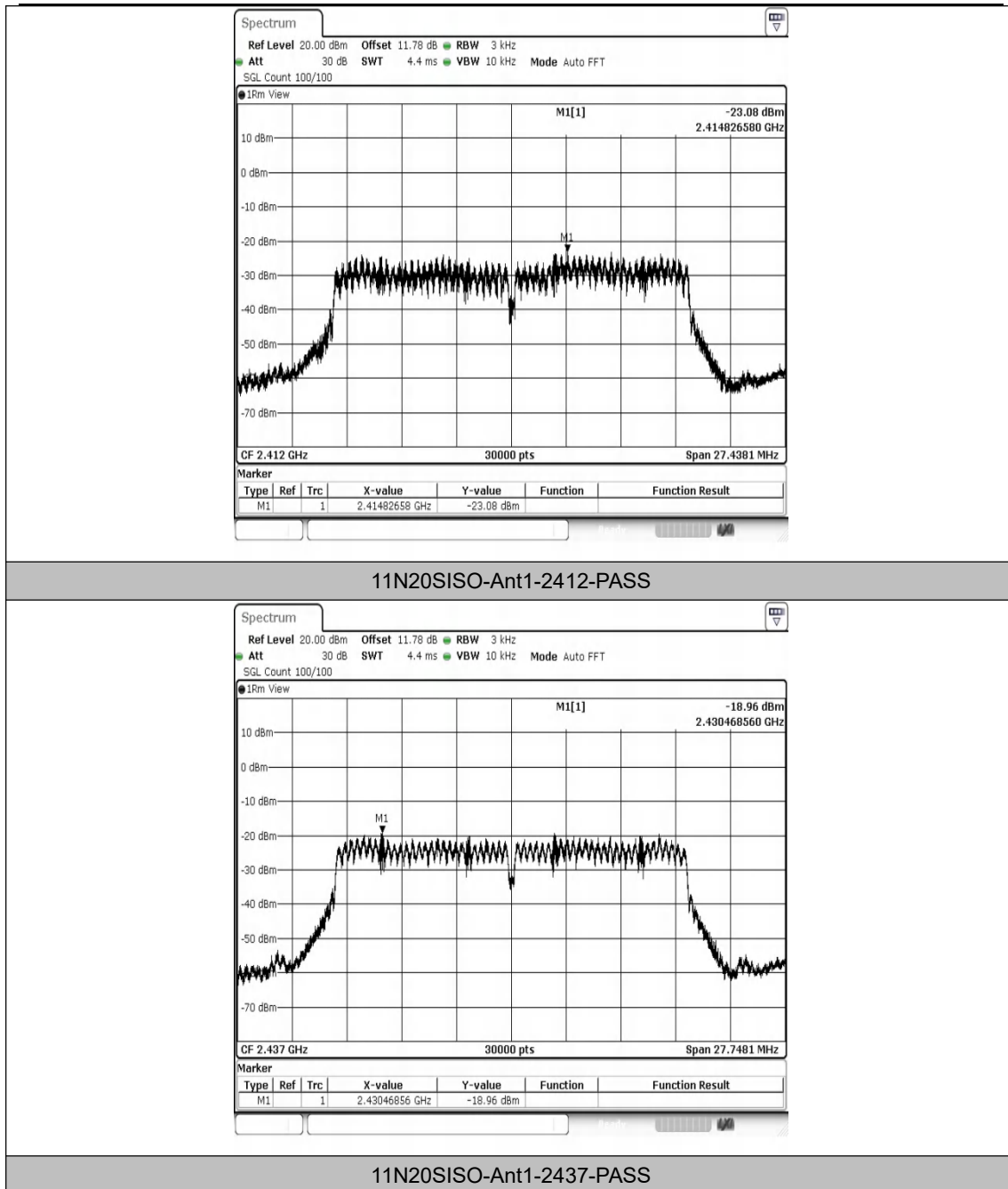


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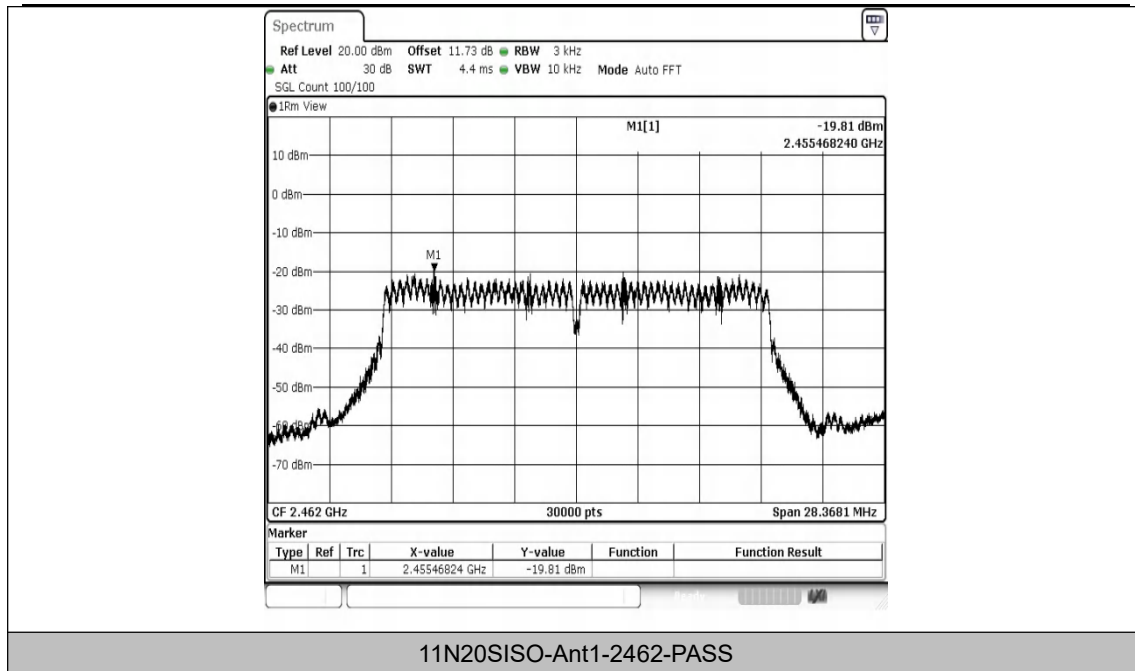


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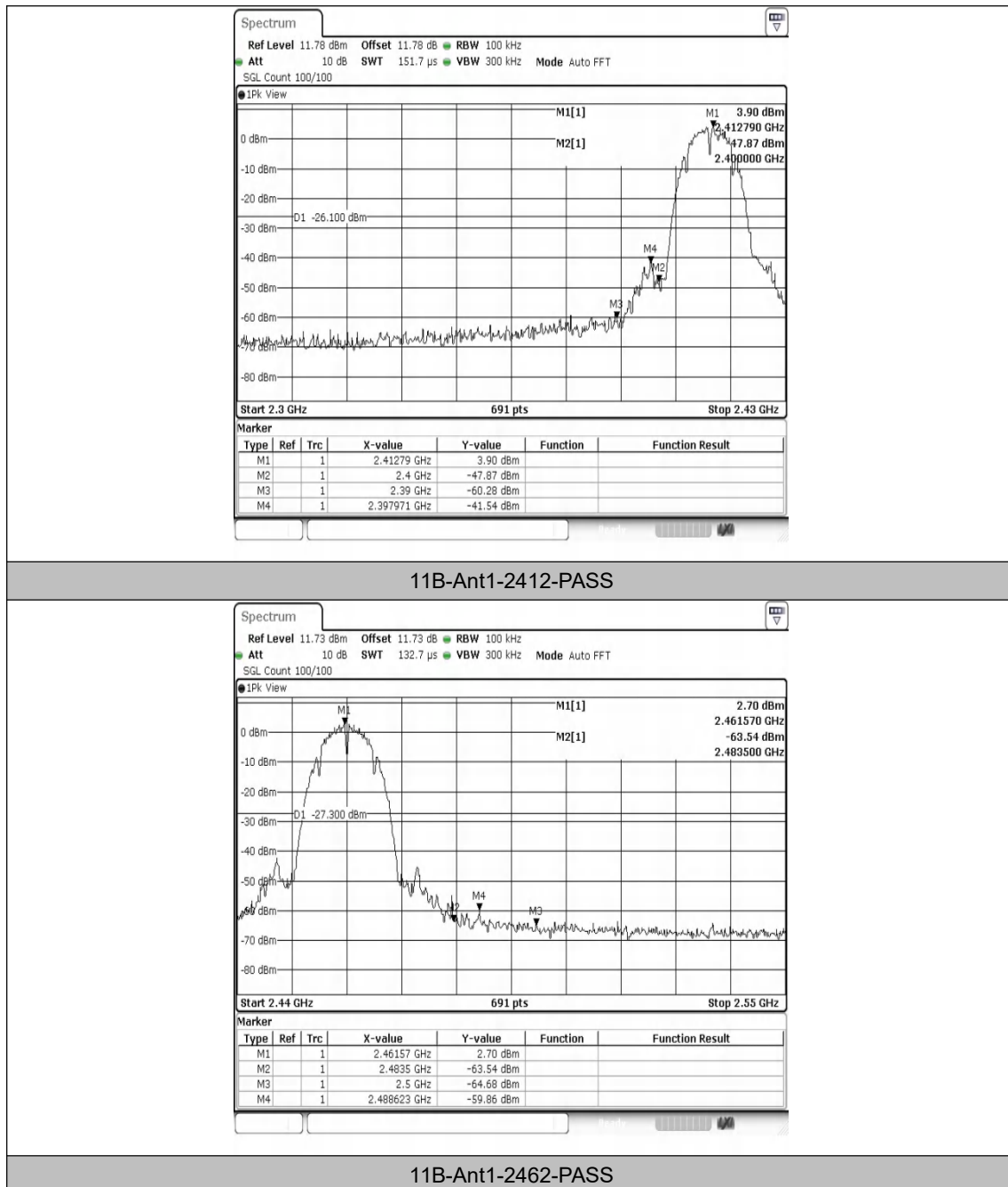
Appendix E: Band edge measurements

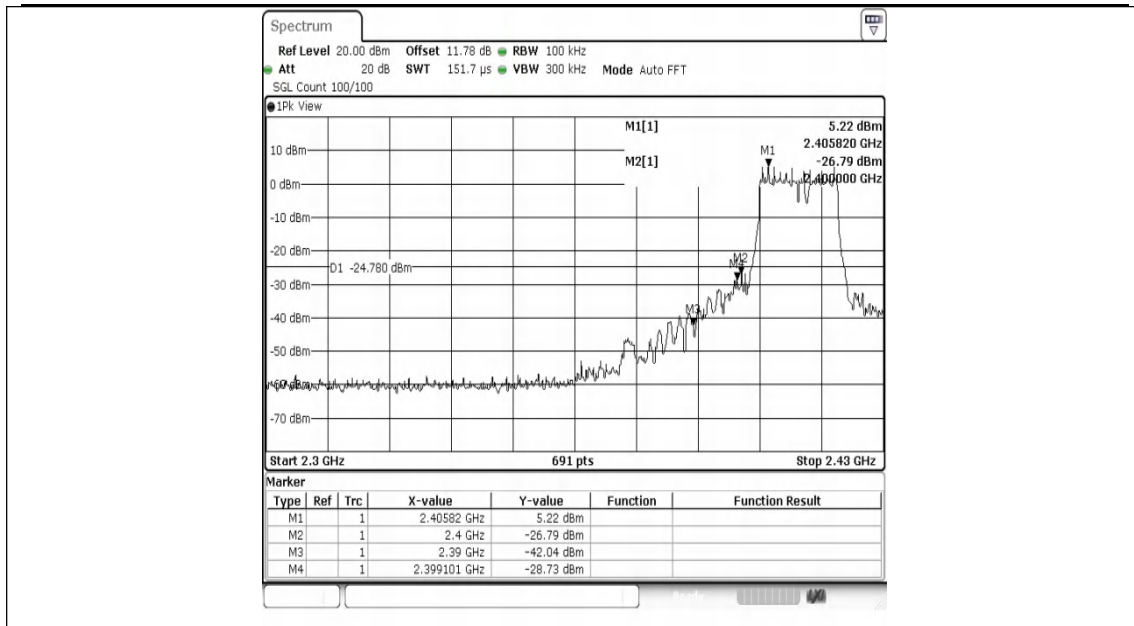
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.90	-41.54	≤-26.1	PASS
11B	Ant1	High	2462	2.70	-59.86	≤-27.3	PASS
11G	Ant1	Low	2412	5.22	-28.73	≤-24.78	PASS
11G	Ant1	High	2462	3.94	-42.34	≤-26.06	PASS
11N20SISO	Ant1	Low	2412	2.00	-33.51	≤-28	PASS
11N20SISO	Ant1	High	2462	3.99	-41.59	≤-26.01	PASS

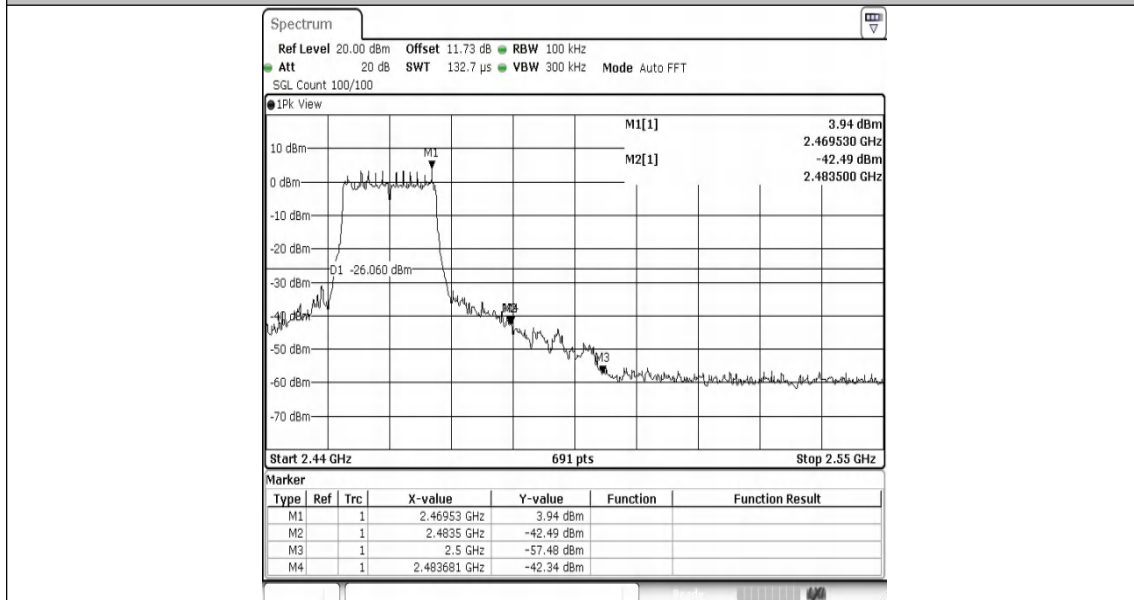


Test Graphs



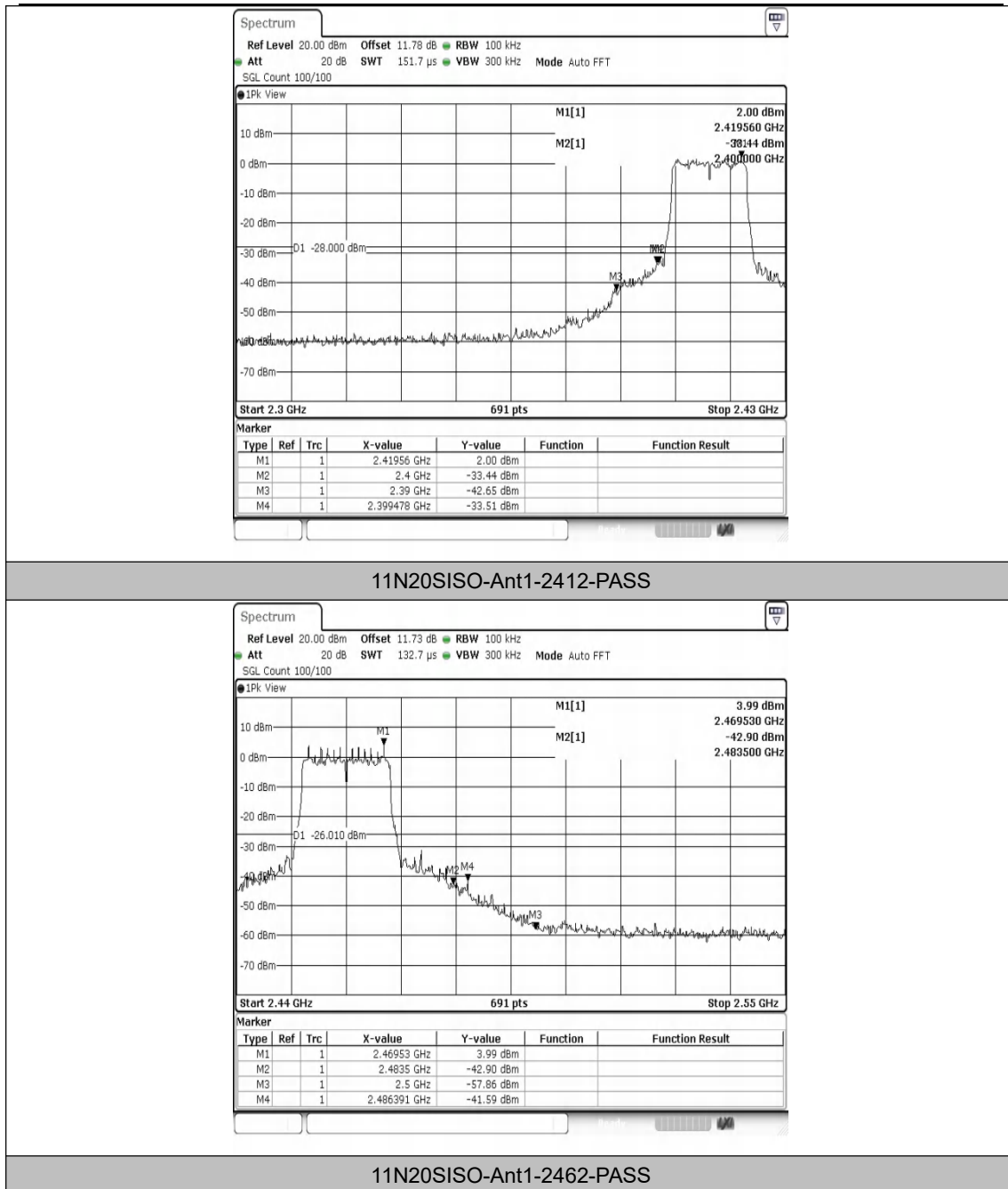


11G-Ant1-2412-PASS



11G-Ant1-2462-PASS





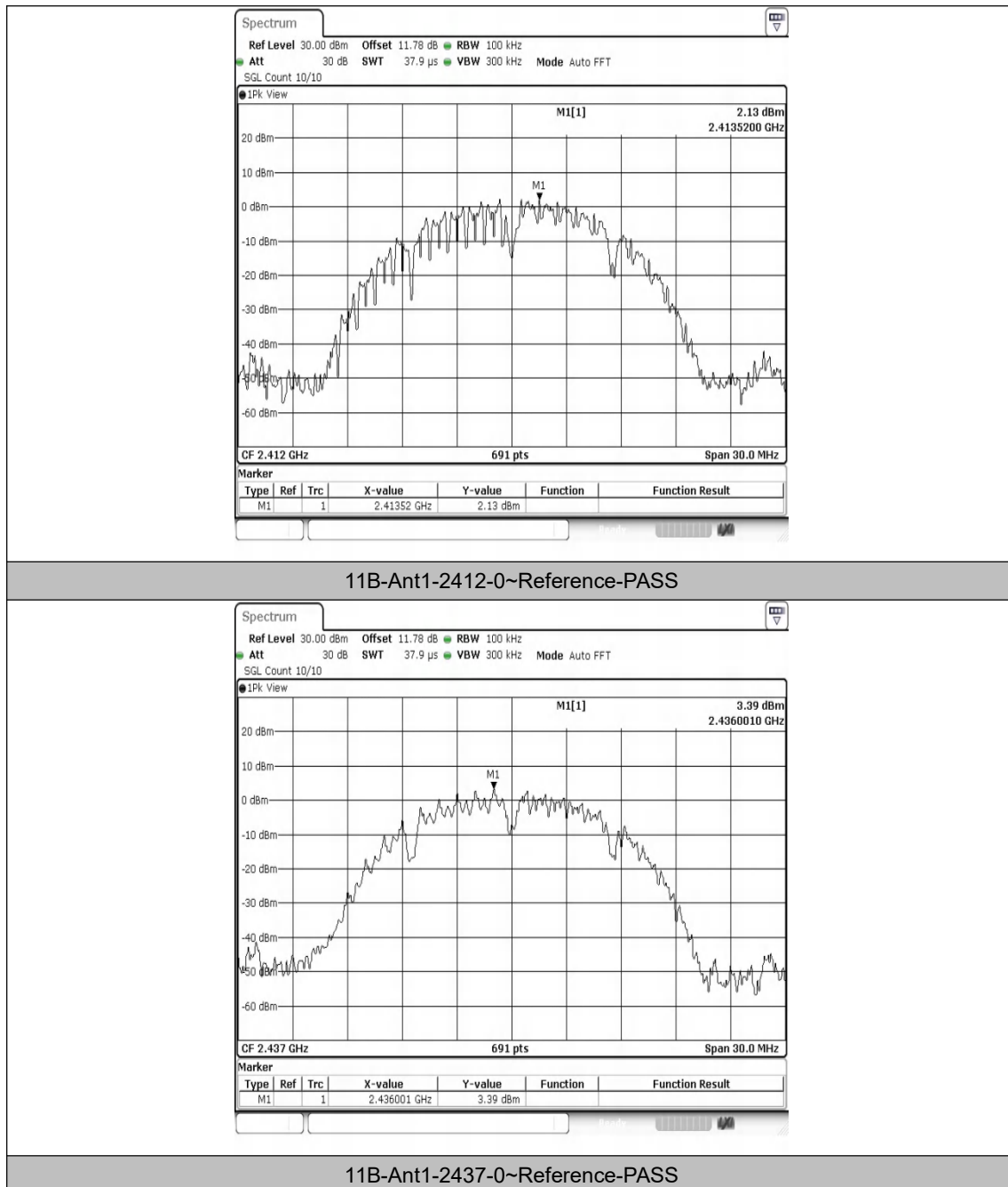
Appendix F: Conducted Spurious Emission

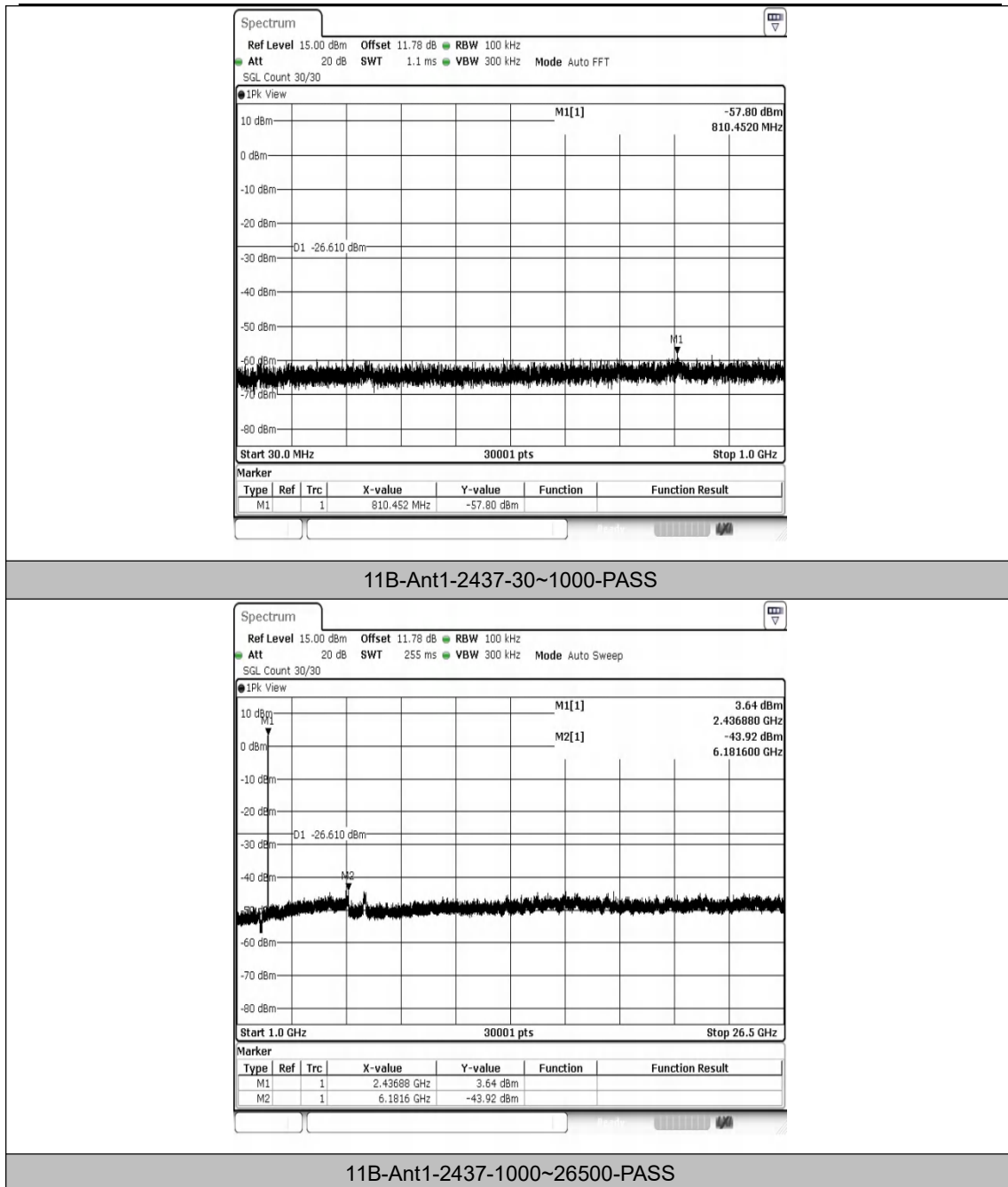
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.13	2.13	---	PASS
11B	Ant1	2437	0~Reference	3.39	3.39	---	PASS
11B	Ant1	2437	30~1000	3.39	-57.8	≤-26.61	PASS
11B	Ant1	2437	1000~26500	3.39	-43.92	≤-26.61	PASS
11B	Ant1	2462	0~Reference	2.54	2.54	---	PASS
11B	Ant1	2462	30~1000	2.54	-58.26	≤-27.46	PASS
11B	Ant1	2462	1000~26500	2.54	-44.12	≤-27.46	PASS
11G	Ant1	2412	0~Reference	4.81	4.81	---	PASS
11G	Ant1	2412	30~1000	4.81	-58.2	≤-25.19	PASS
11G	Ant1	2412	1000~26500	4.81	-43.88	≤-25.19	PASS
11G	Ant1	2437	0~Reference	1.46	1.46	---	PASS
11G	Ant1	2437	30~1000	1.46	-58.14	≤-28.54	PASS
11G	Ant1	2437	1000~26500	1.46	-43.99	≤-28.54	PASS
11G	Ant1	2462	0~Reference	3.02	3.02	---	PASS
11G	Ant1	2462	30~1000	3.02	-57.29	≤-26.98	PASS
11G	Ant1	2462	1000~26500	3.02	-43.61	≤-26.98	PASS
11N20SISO	Ant1	2412	0~Reference	2.32	2.32	---	PASS
11N20SISO	Ant1	2412	30~1000	2.32	-57.58	≤-27.68	PASS
11N20SISO	Ant1	2412	1000~26500	2.32	-44.13	≤-27.68	PASS
11N20SISO	Ant1	2437	0~Reference	4.40	4.40	---	PASS
11N20SISO	Ant1	2437	30~1000	4.40	-57.25	≤-25.6	PASS
11N20SISO	Ant1	2437	1000~26500	4.40	-44.33	≤-25.6	PASS
11N20SISO	Ant1	2462	0~Reference	3.81	3.81	---	PASS
11N20SISO	Ant1	2462	30~1000	3.81	-57.65	≤-26.19	PASS
11N20SISO	Ant1	2462	1000~26500	3.81	-43.44	≤-26.19	PASS



Test Graphs



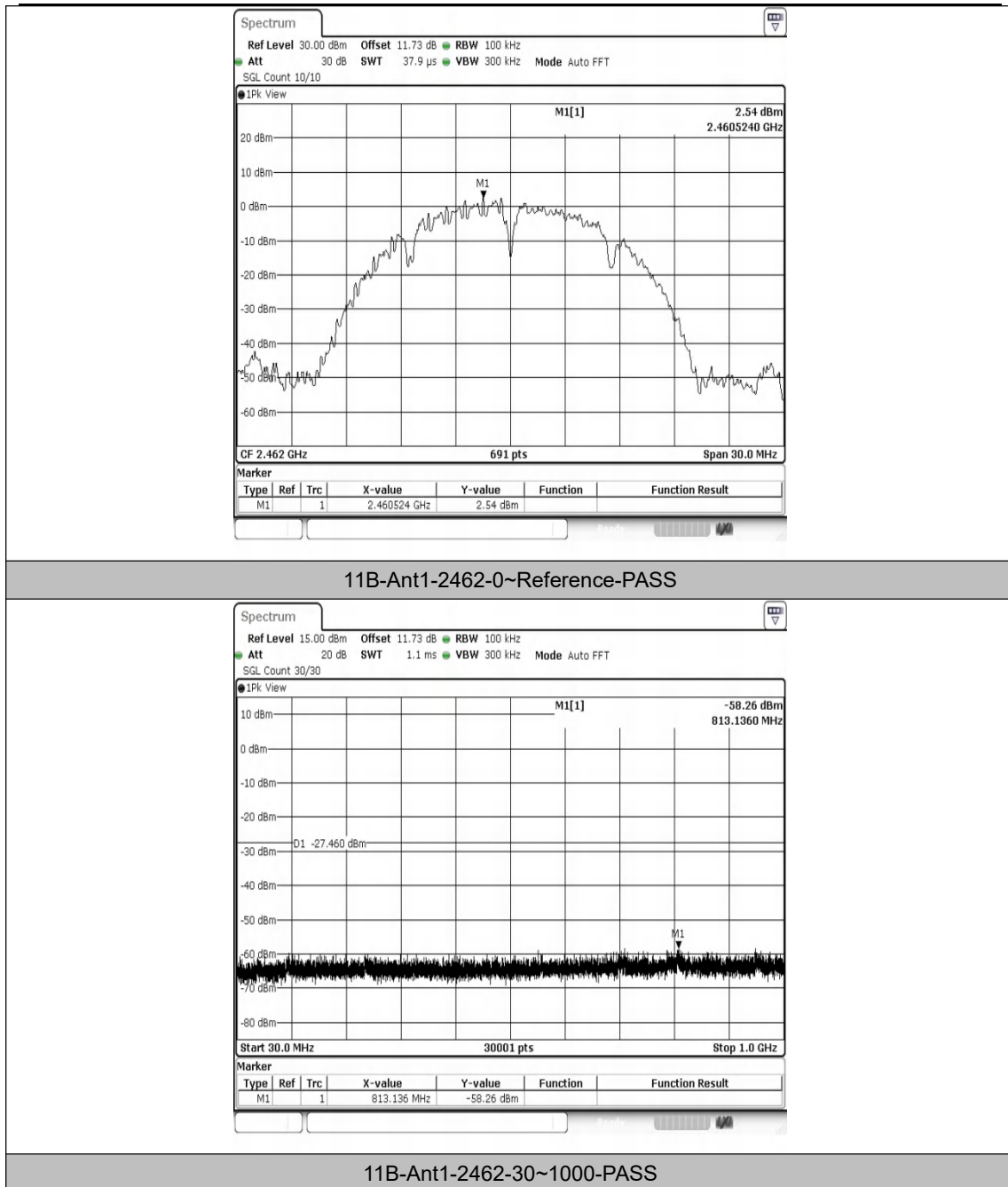


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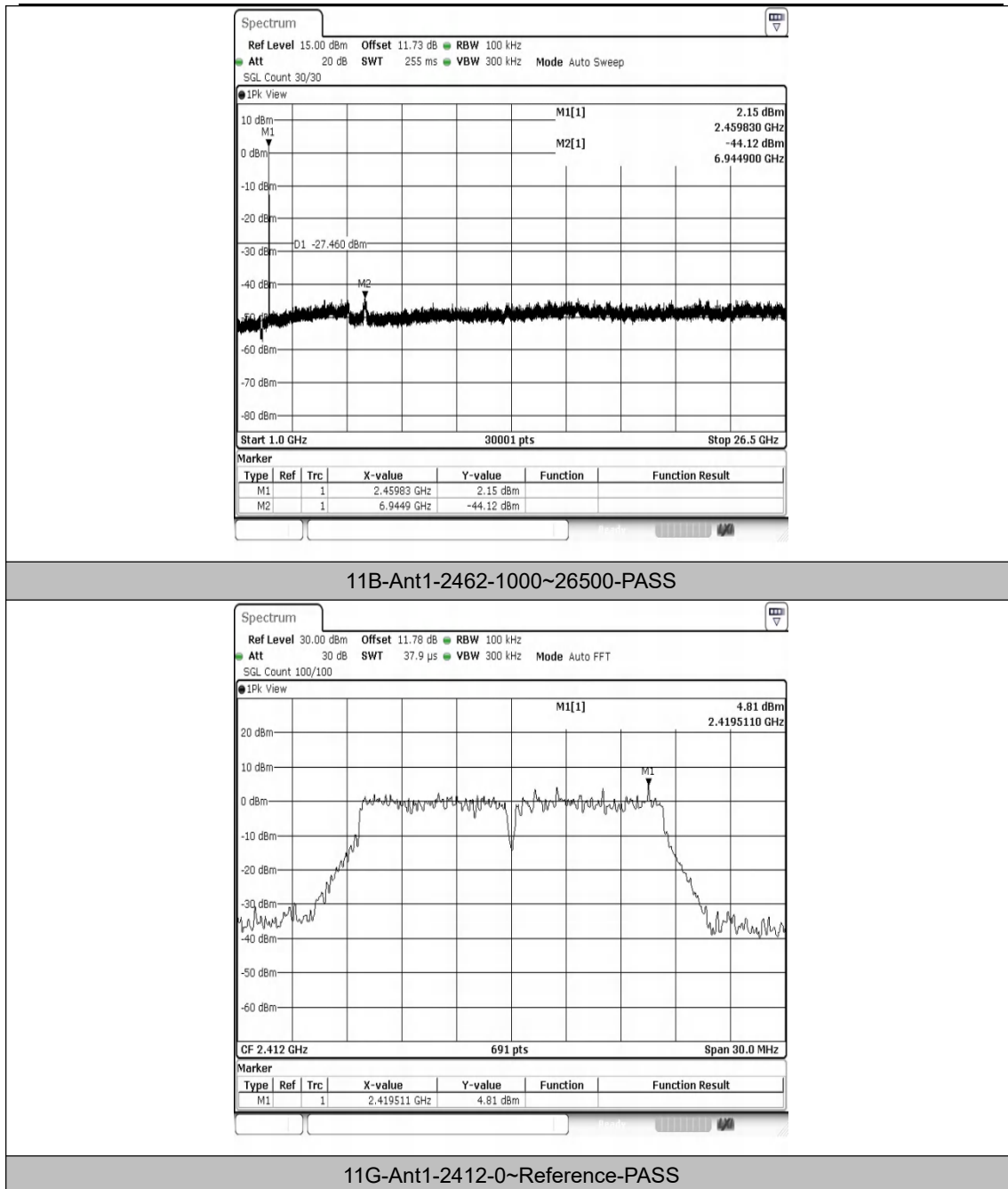


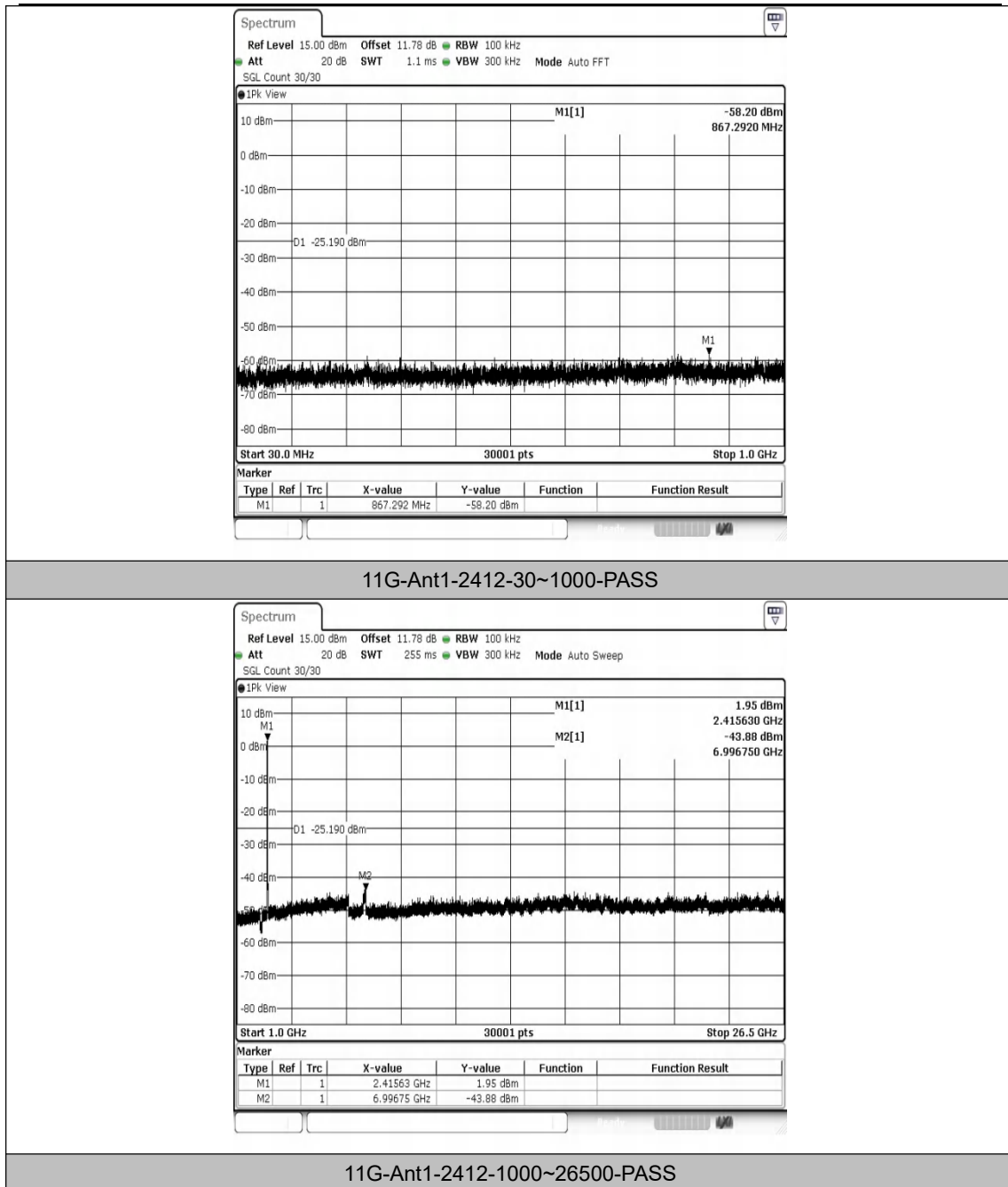
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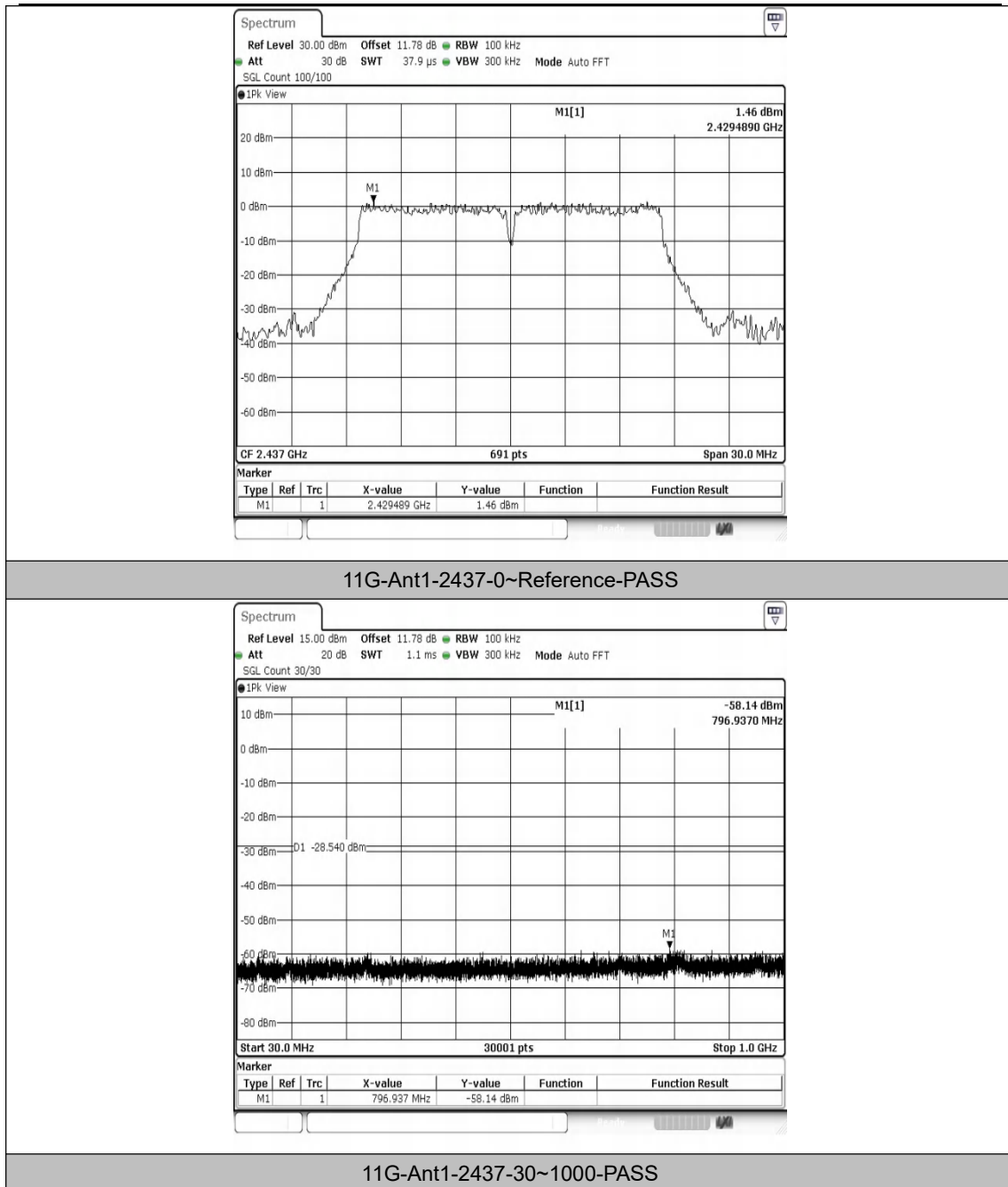


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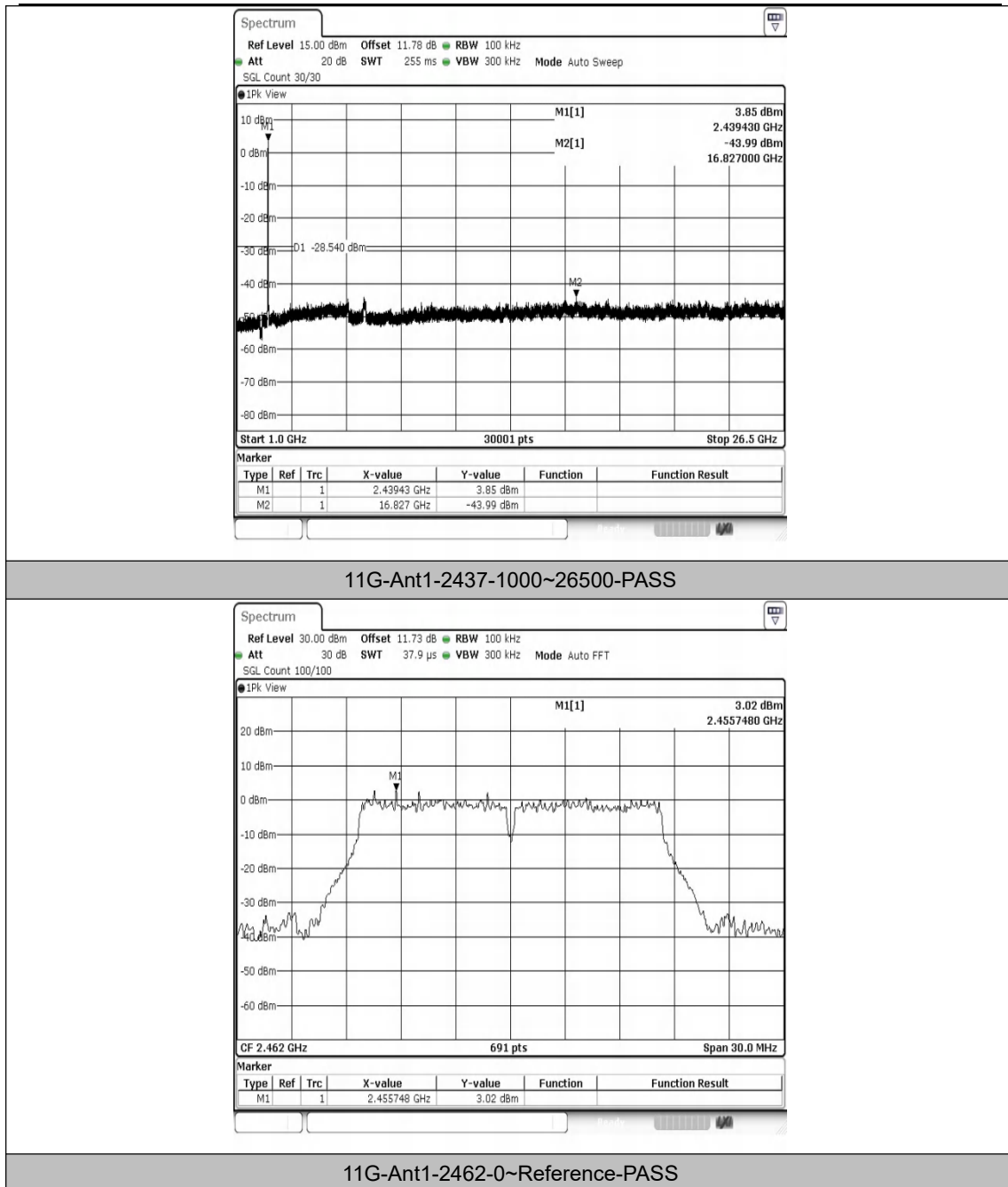


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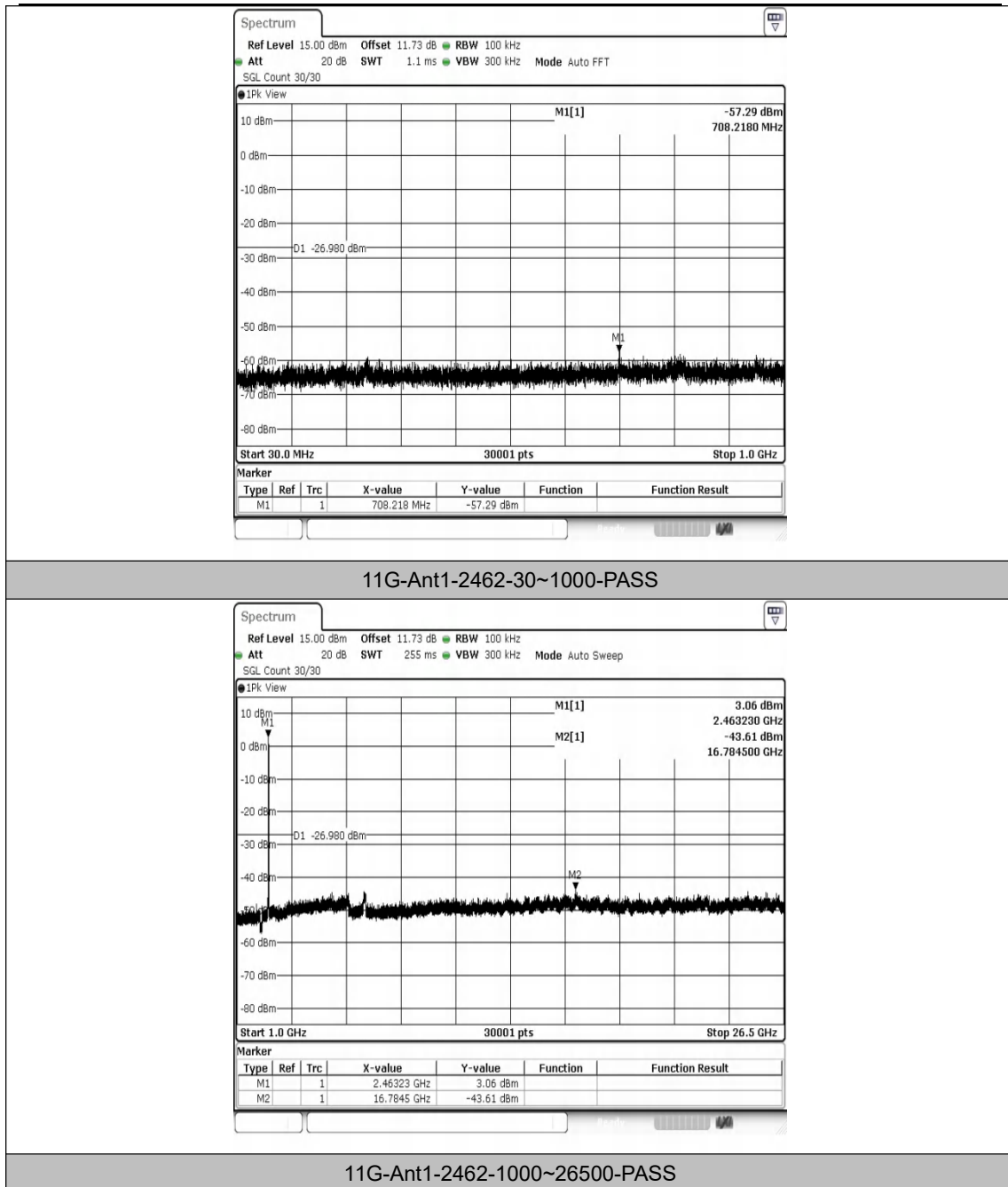


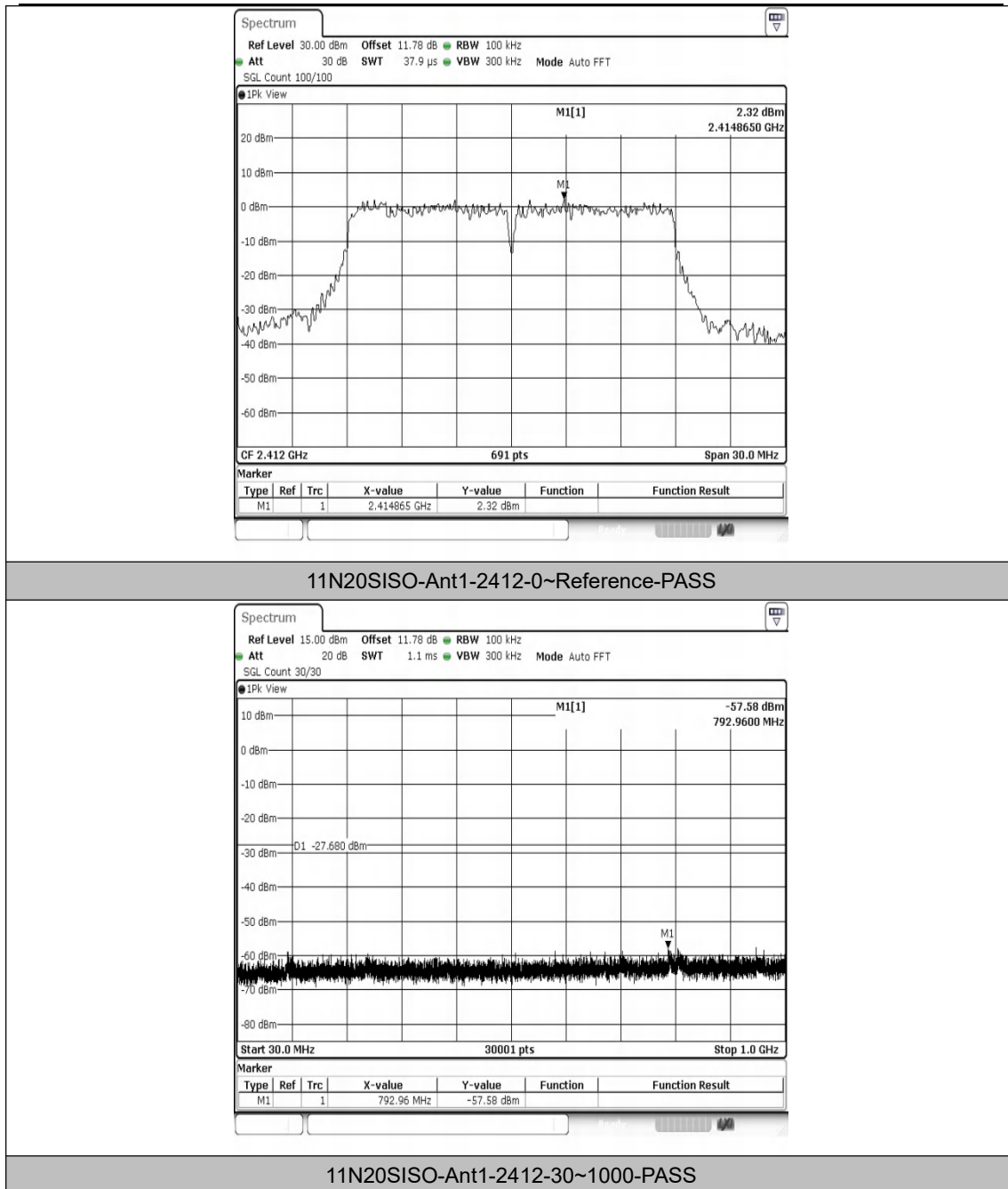
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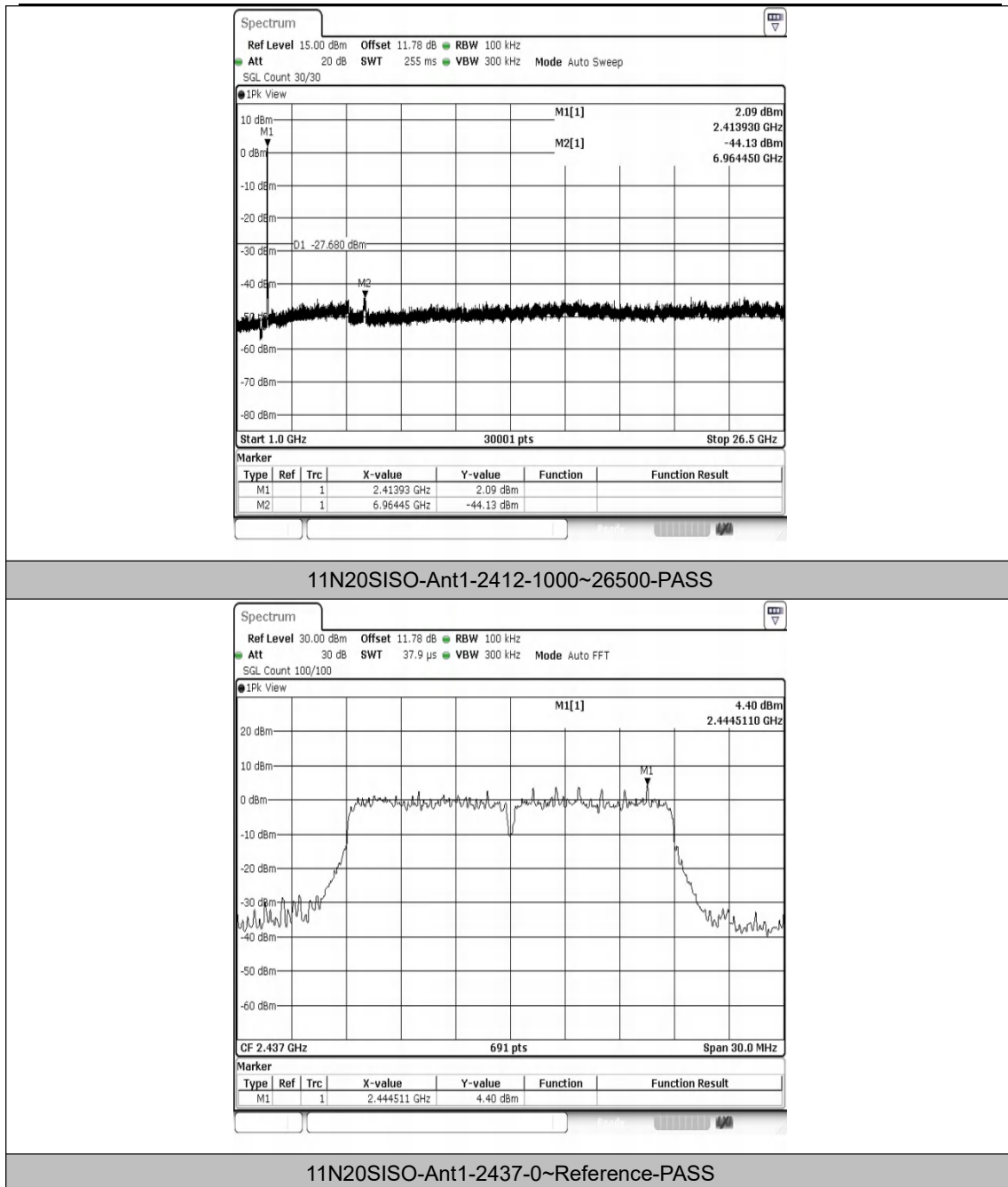


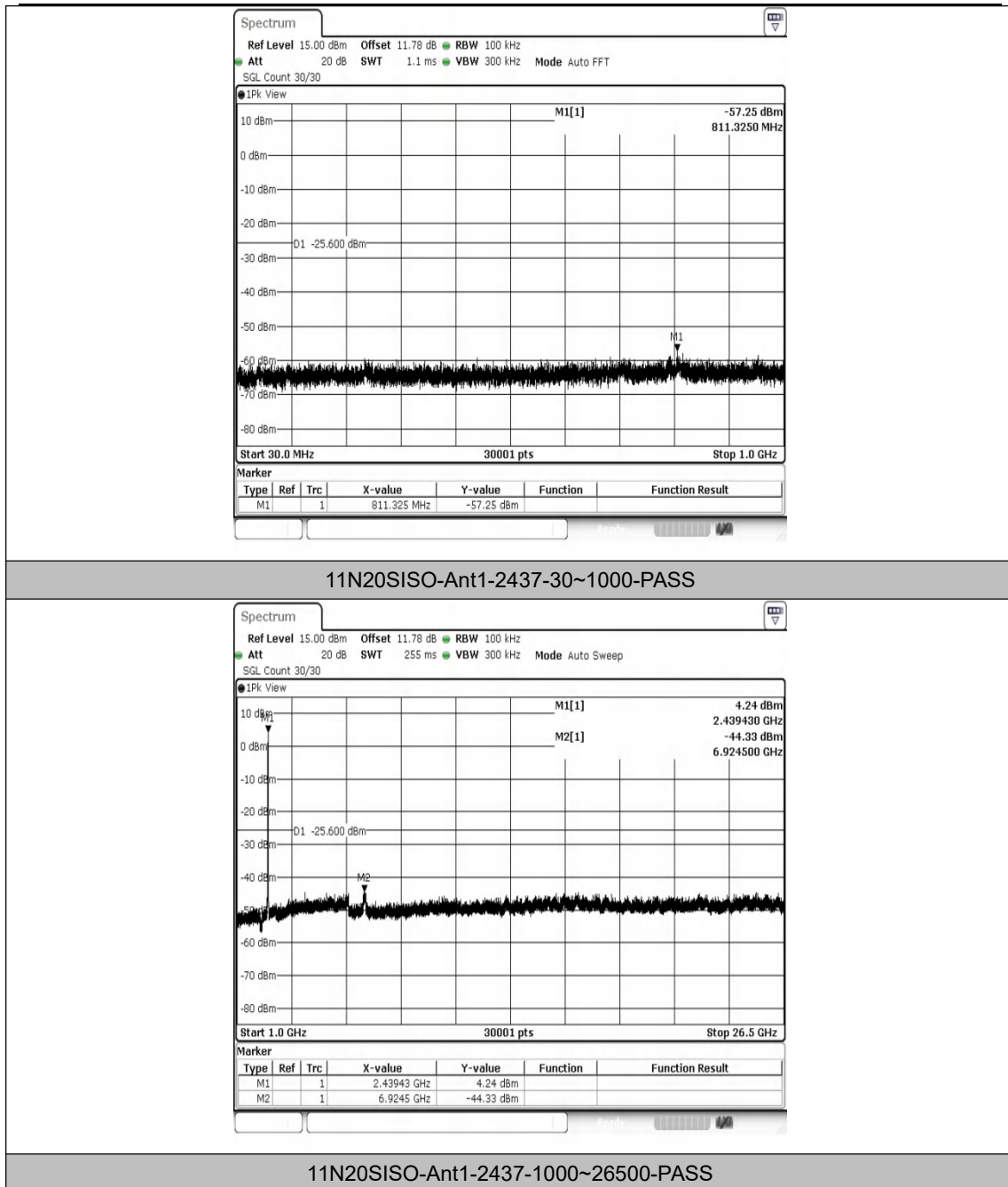
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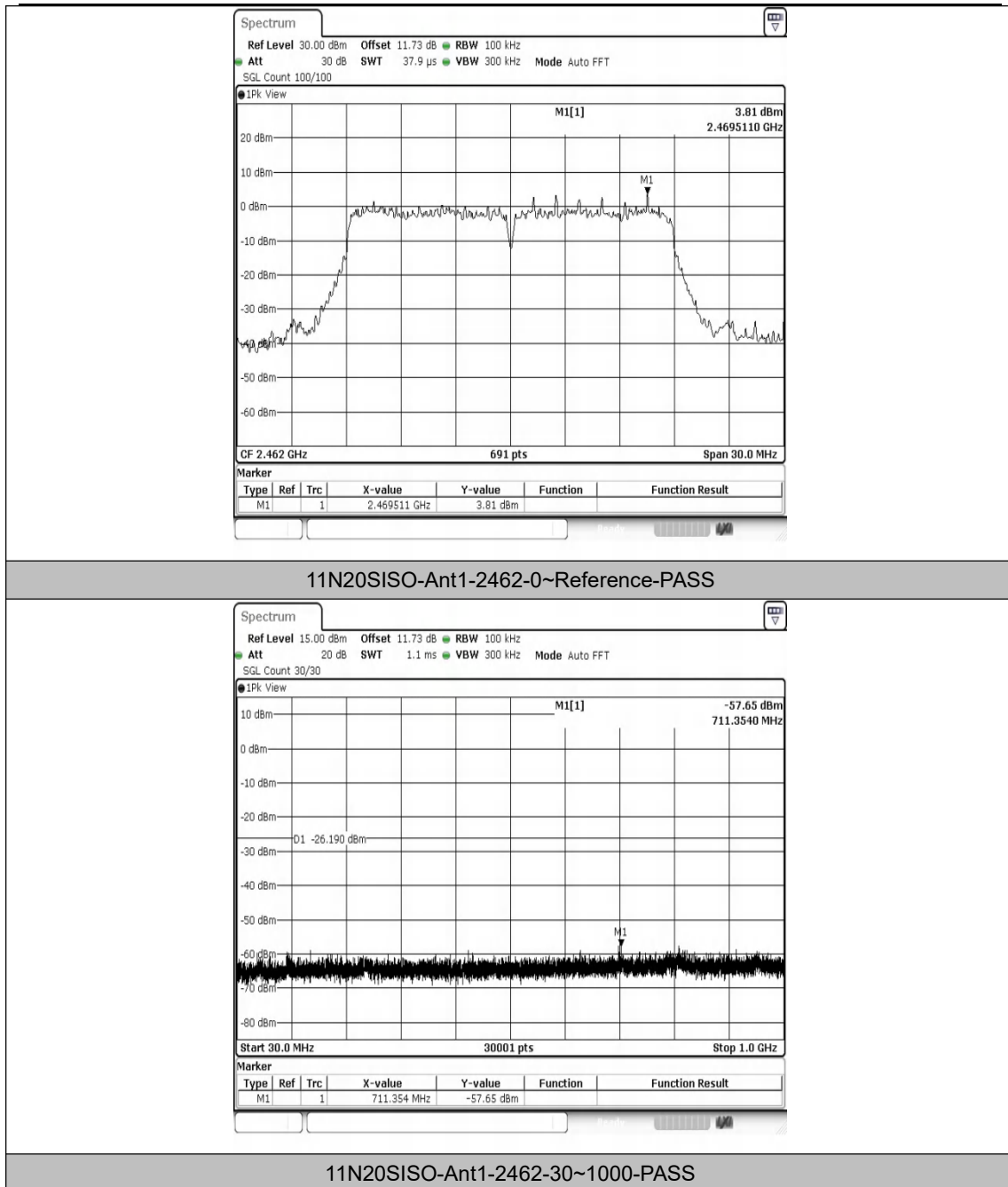
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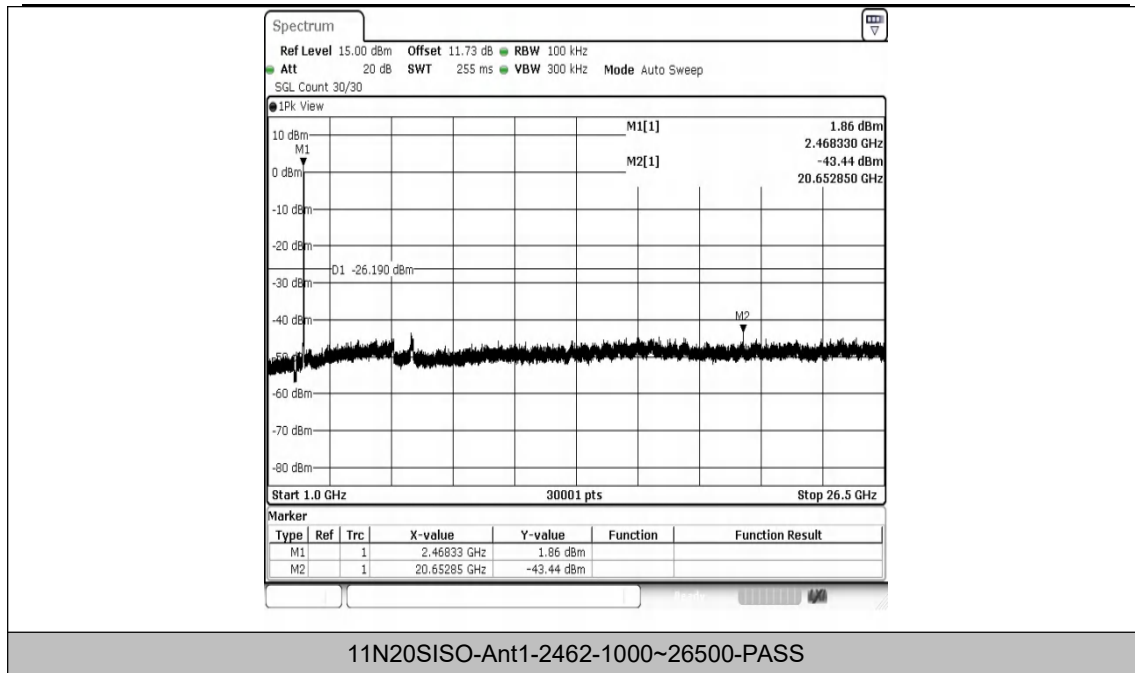


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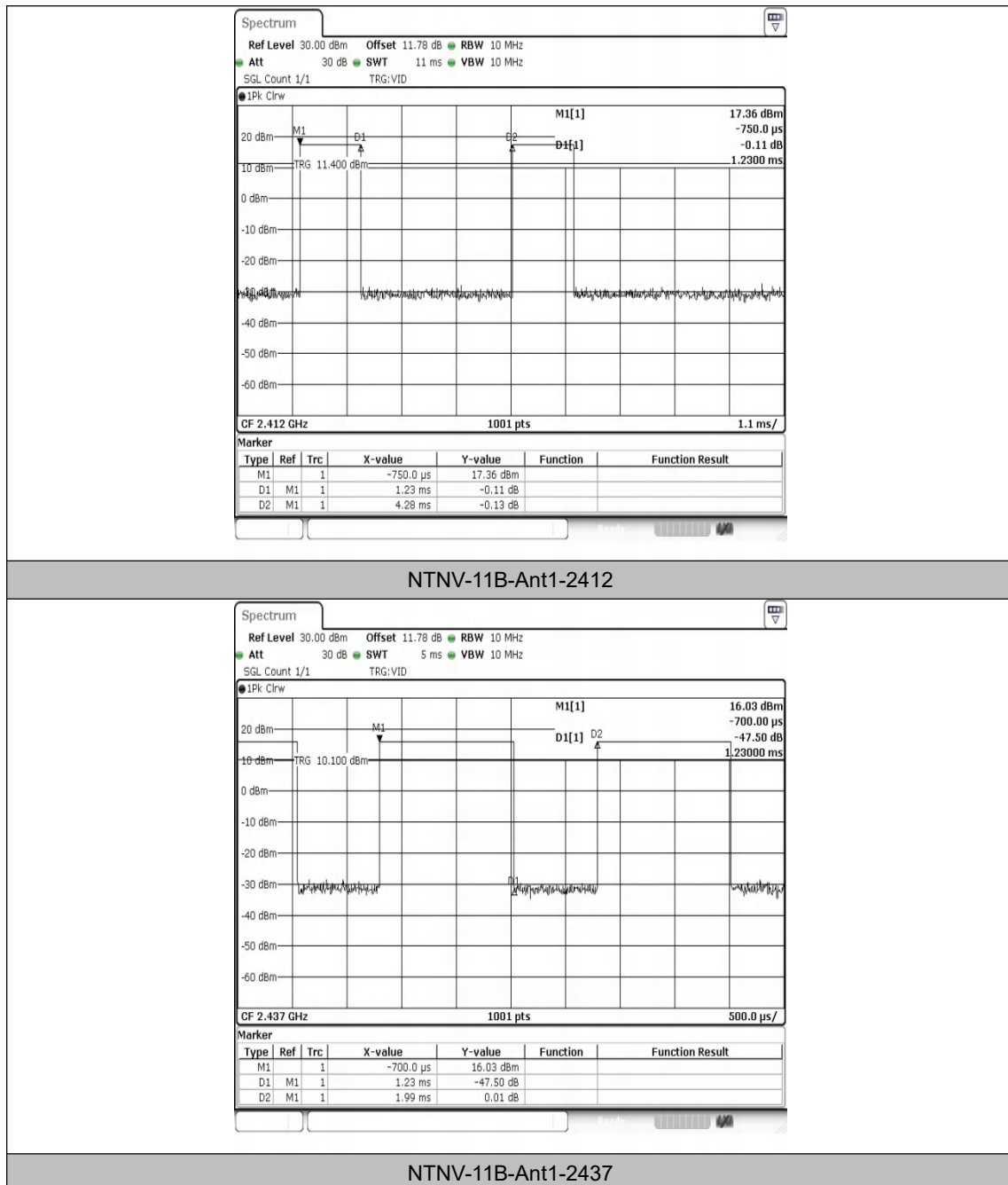
Appendix G: Duty Cycle

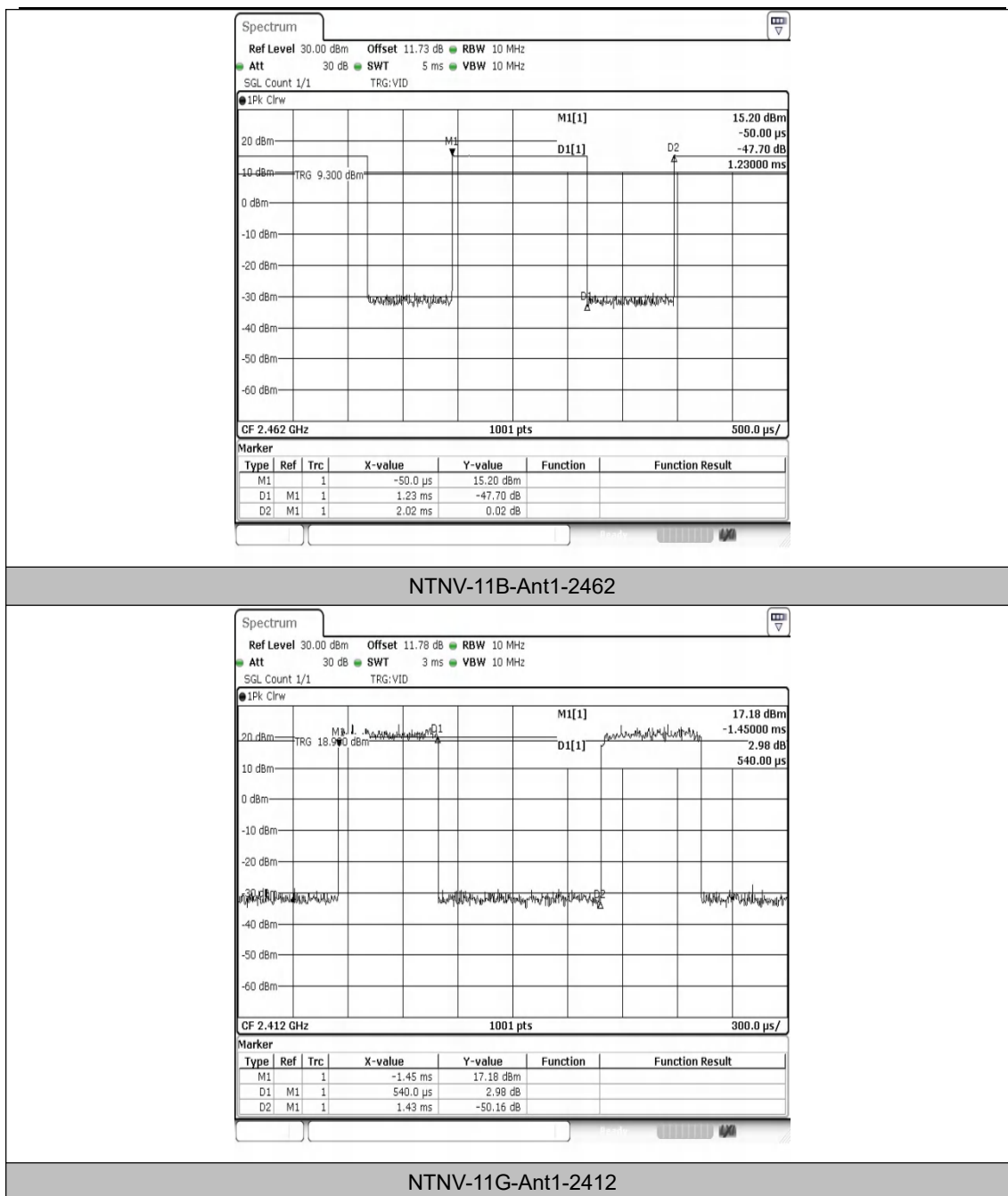
Test Result

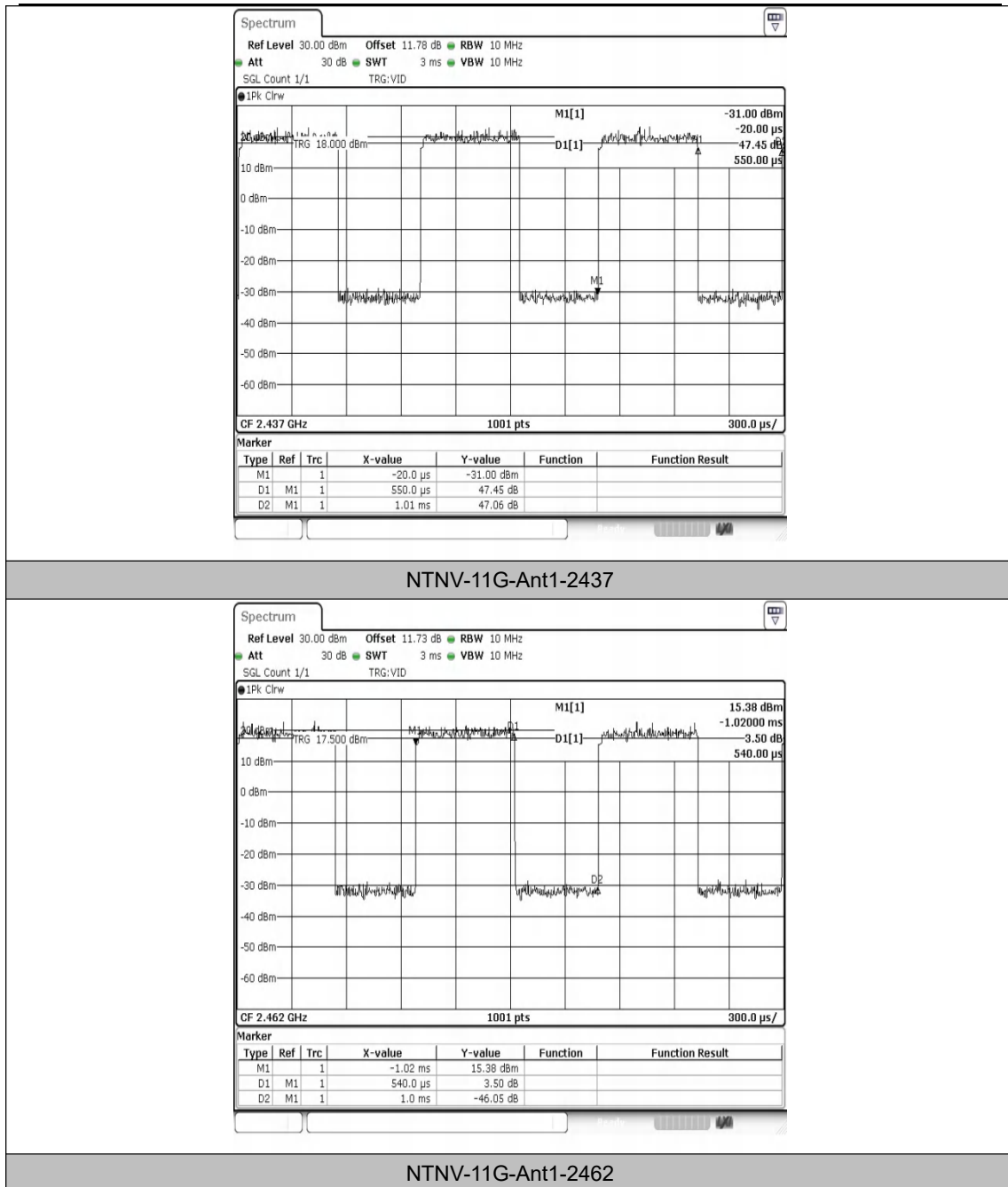
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	1.23	4.28	28.74	5.42
11B	Ant1	2437	1.23	1.99	61.81	2.09
11B	Ant1	2462	1.23	2.02	60.89	2.15
11G	Ant1	2412	0.54	1.43	37.76	4.23
11G	Ant1	2437	0.55	1.01	54.46	2.64
11G	Ant1	2462	0.54	1.00	54.00	2.68
11N20SISO	Ant1	2412	0.54	1.44	37.50	4.26
11N20SISO	Ant1	2437	0.55	0.99	55.56	2.55
11N20SISO	Ant1	2462	0.55	1.01	54.46	2.64

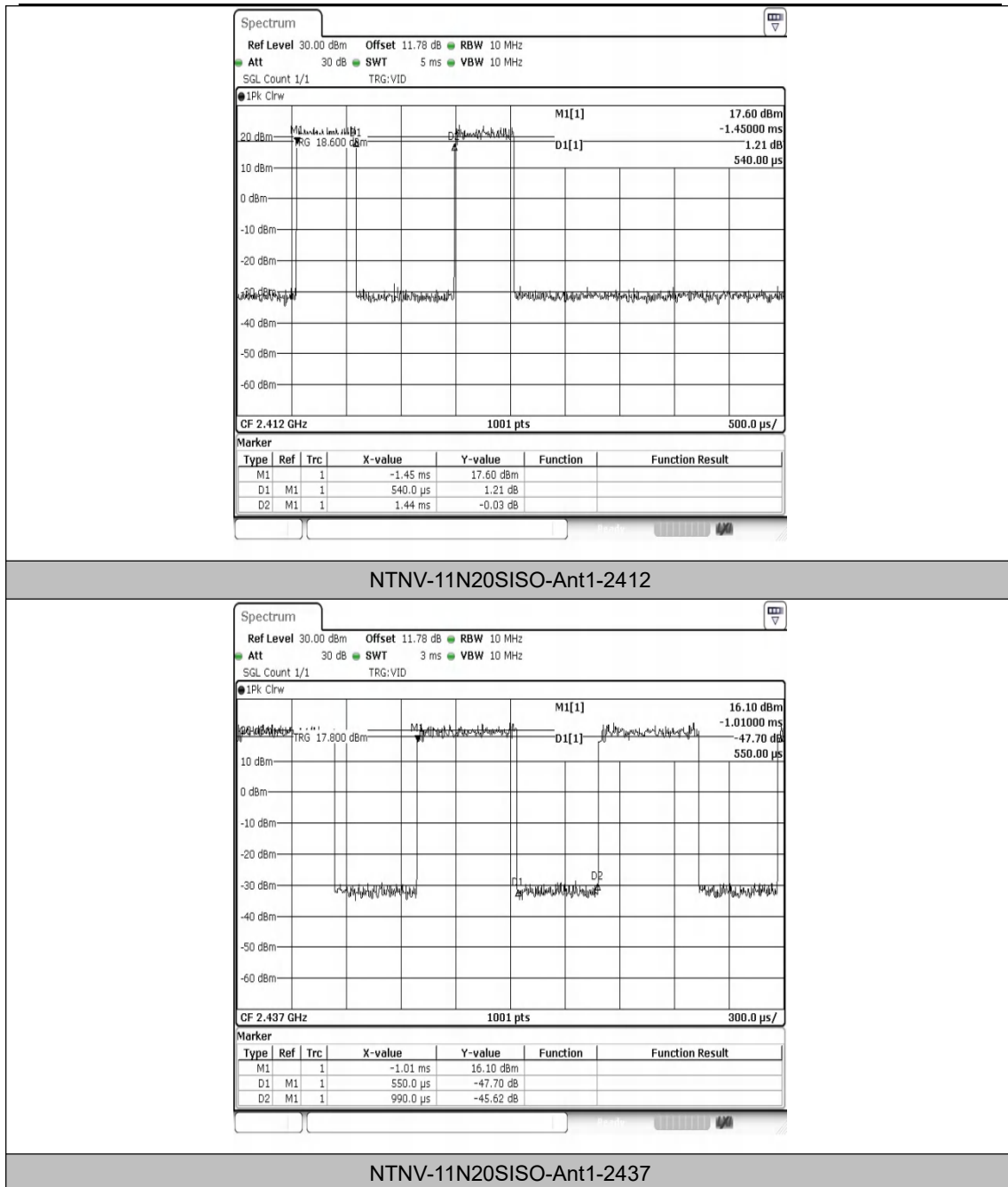


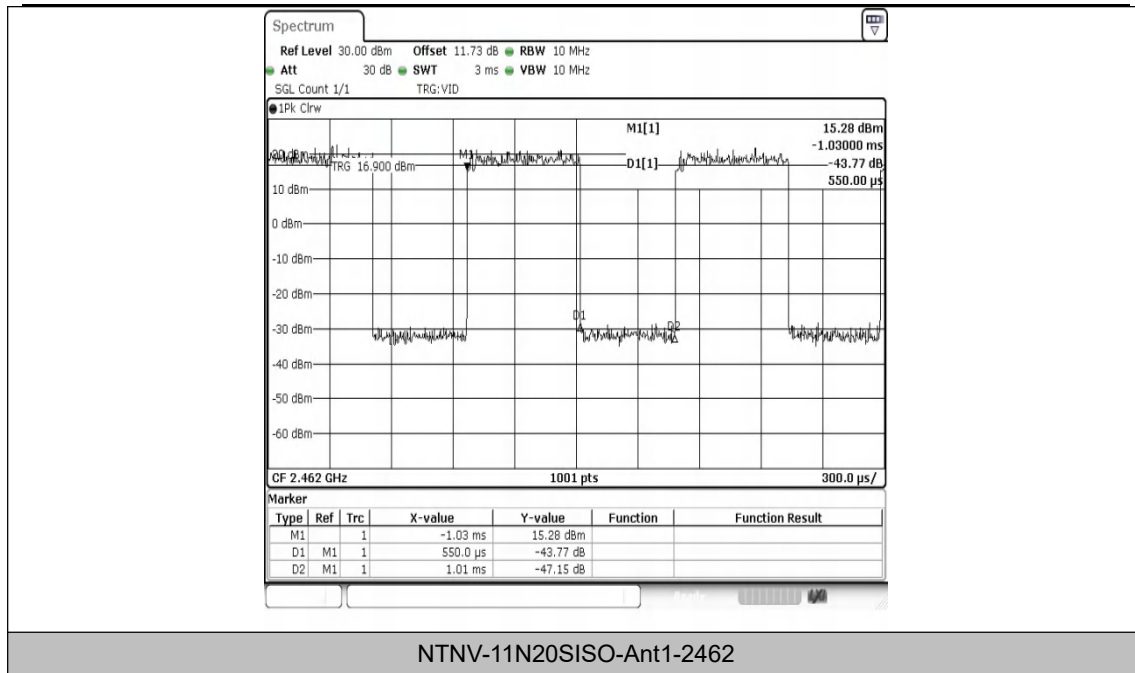
Test Graphs











---END---

