

Appendix Test Data

Report No:	1821C40007412501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.24	Finish Test Date:	2024.9.24
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.6℃	Relative Humidity:	54%
Pressure:	101 kPa		

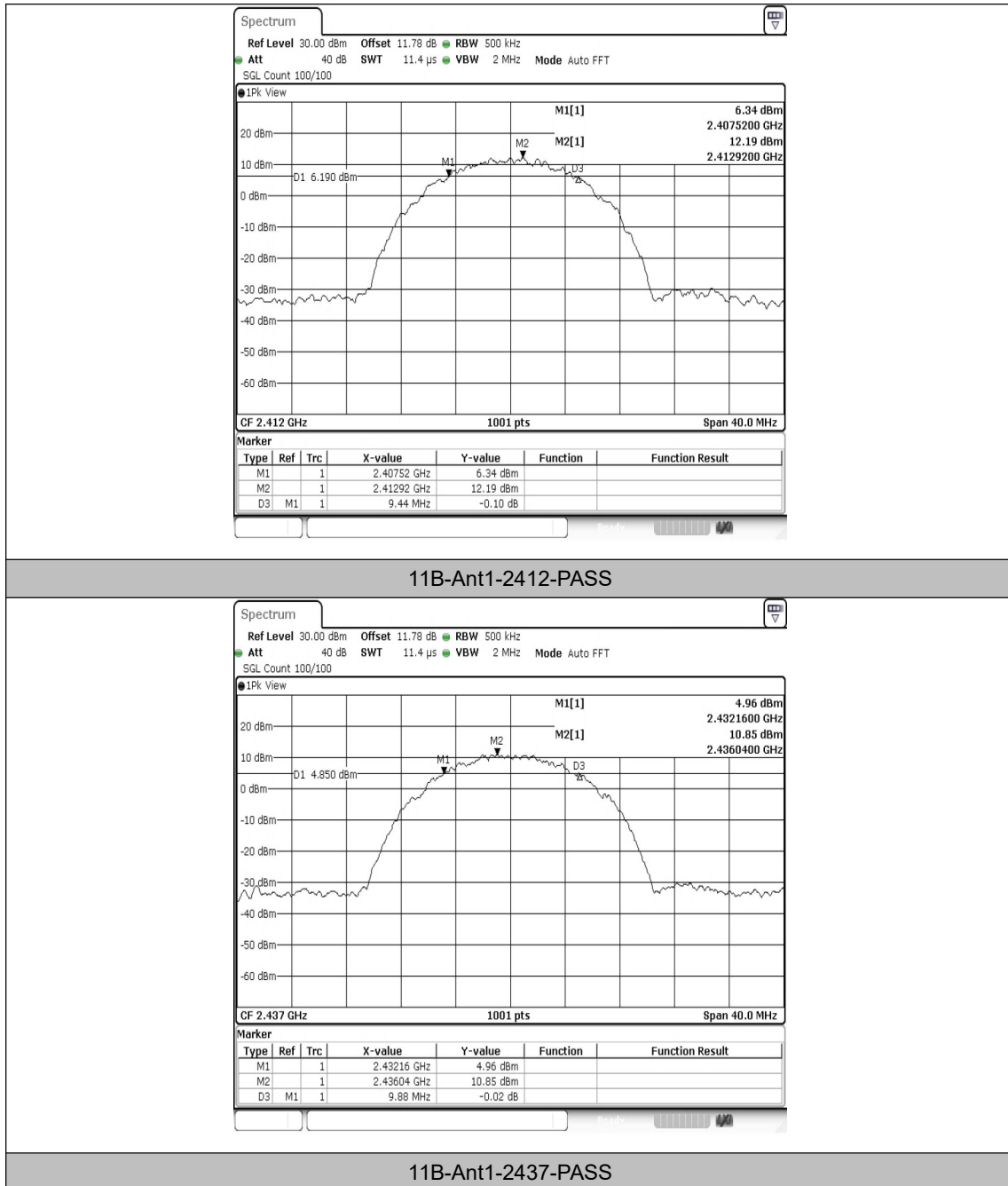
Appendix A: DTS Bandwidth

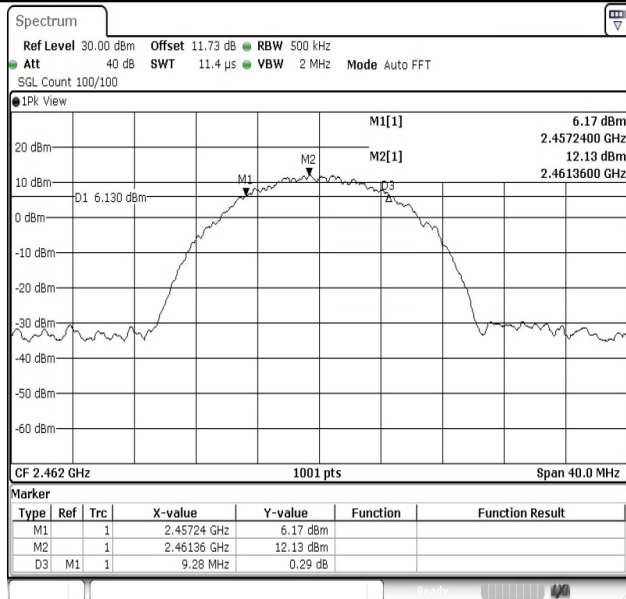
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.44	2407.52	2416.96	0.5	PASS
11B	Ant1	2437	9.88	2432.16	2442.04	0.5	PASS
11B	Ant1	2462	9.28	2457.24	2466.52	0.5	PASS
11G	Ant1	2412	15.72	2404.16	2419.88	0.5	PASS
11G	Ant1	2437	16.00	2428.96	2444.96	0.5	PASS
11G	Ant1	2462	15.44	2454.24	2469.68	0.5	PASS
11N20SISO	Ant1	2412	16.96	2403.52	2420.48	0.5	PASS
11N20SISO	Ant1	2437	15.12	2429.92	2445.04	0.5	PASS
11N20SISO	Ant1	2462	16.60	2453.84	2470.44	0.5	PASS
11N40SISO	Ant1	2422	33.76	2405.36	2439.12	0.5	PASS
11N40SISO	Ant1	2437	34.32	2419.88	2454.20	0.5	PASS
11N40SISO	Ant1	2452	35.12	2434.08	2469.20	0.5	PASS

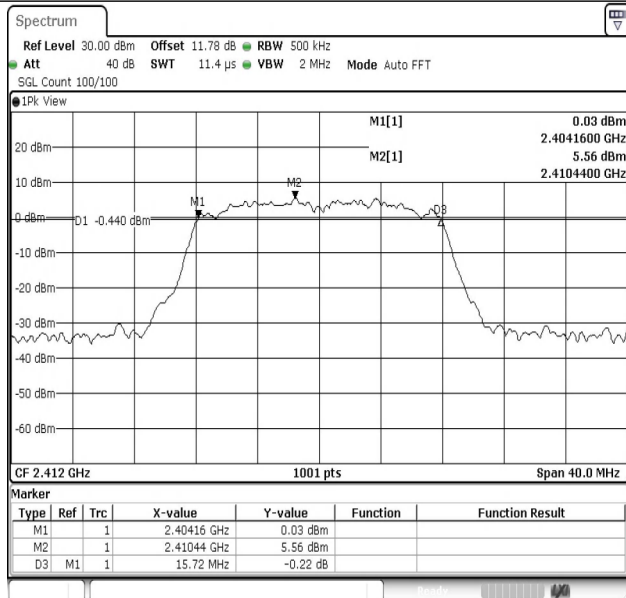


Test Graphs



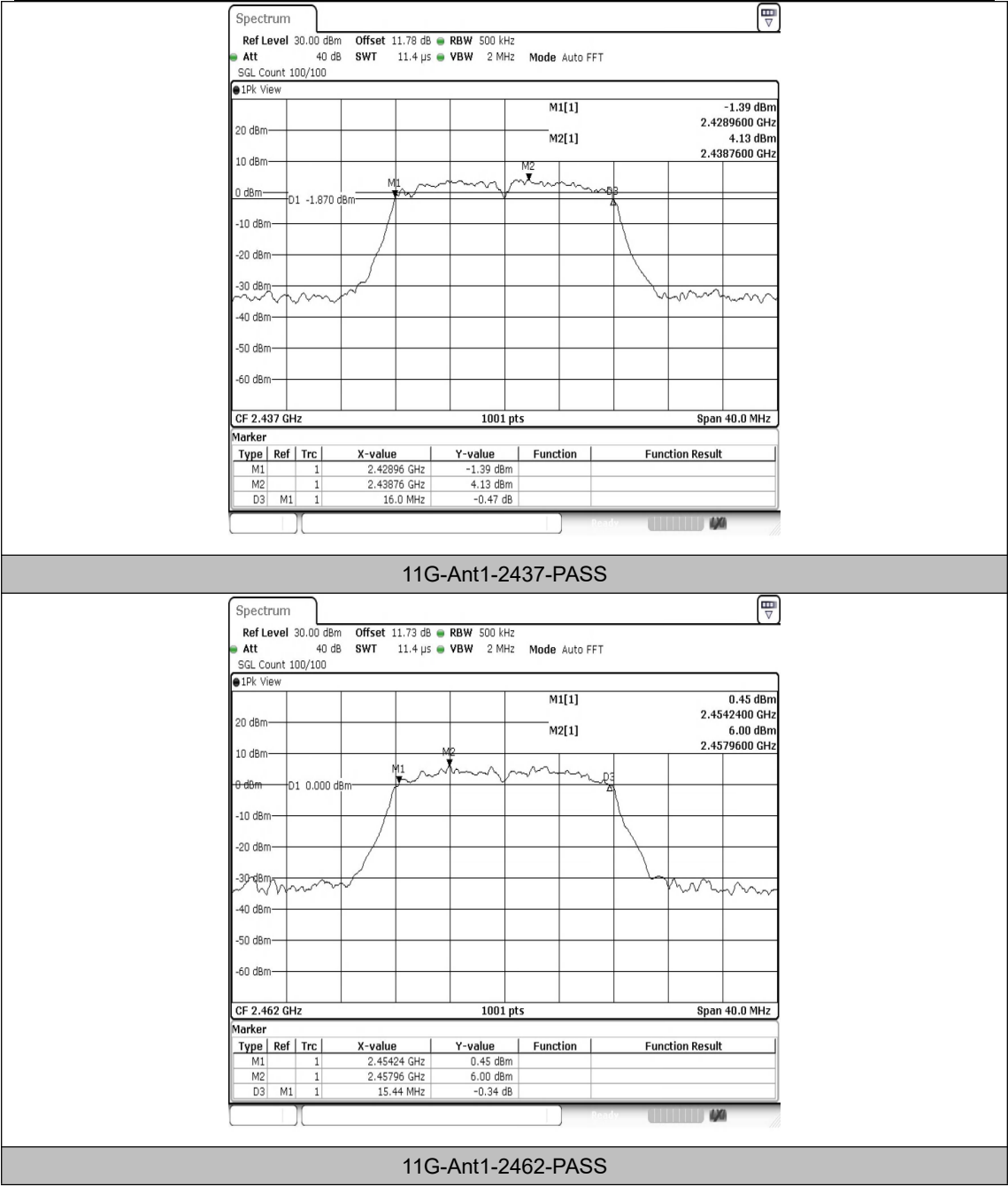


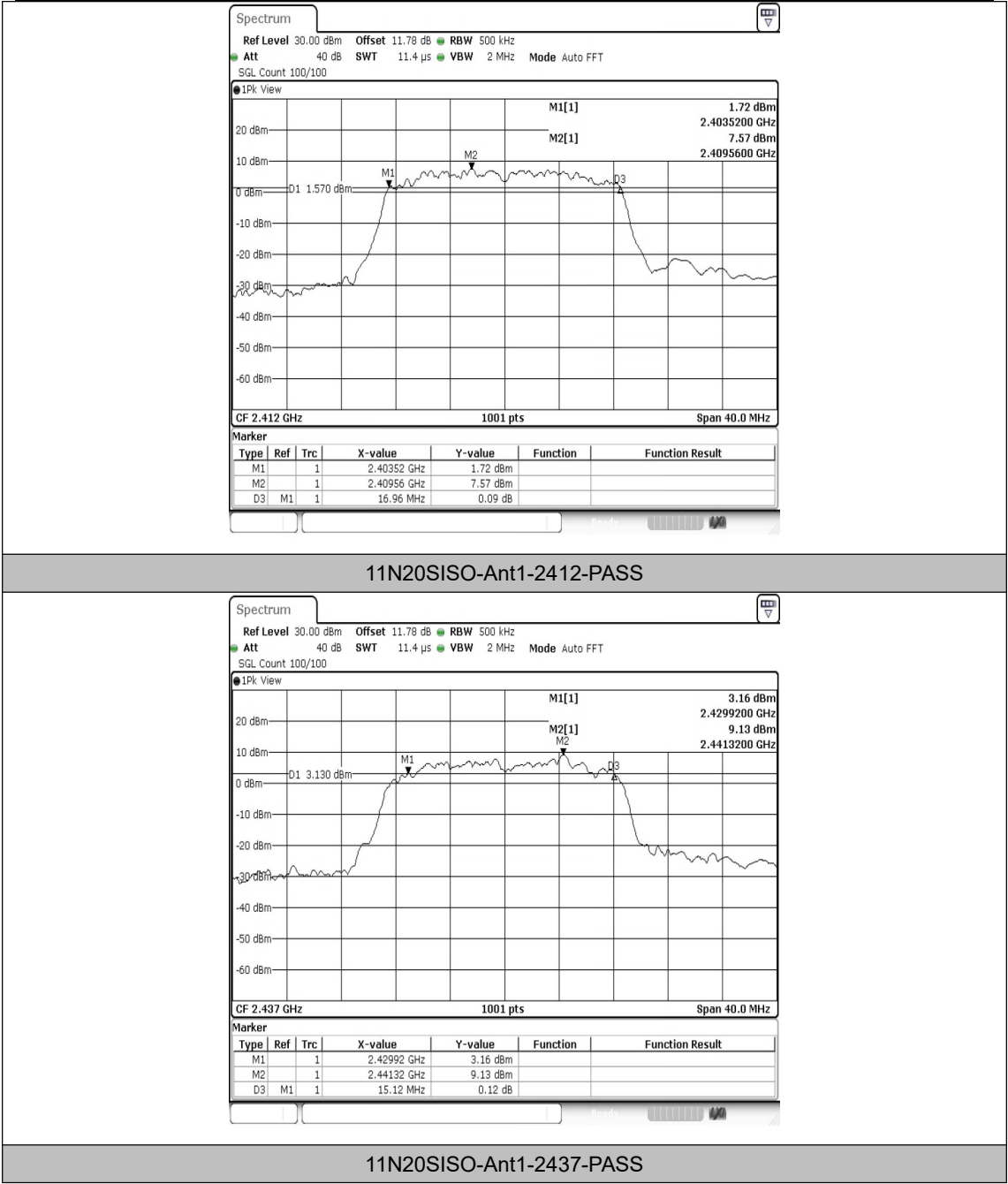
11B-Ant1-2462-PASS

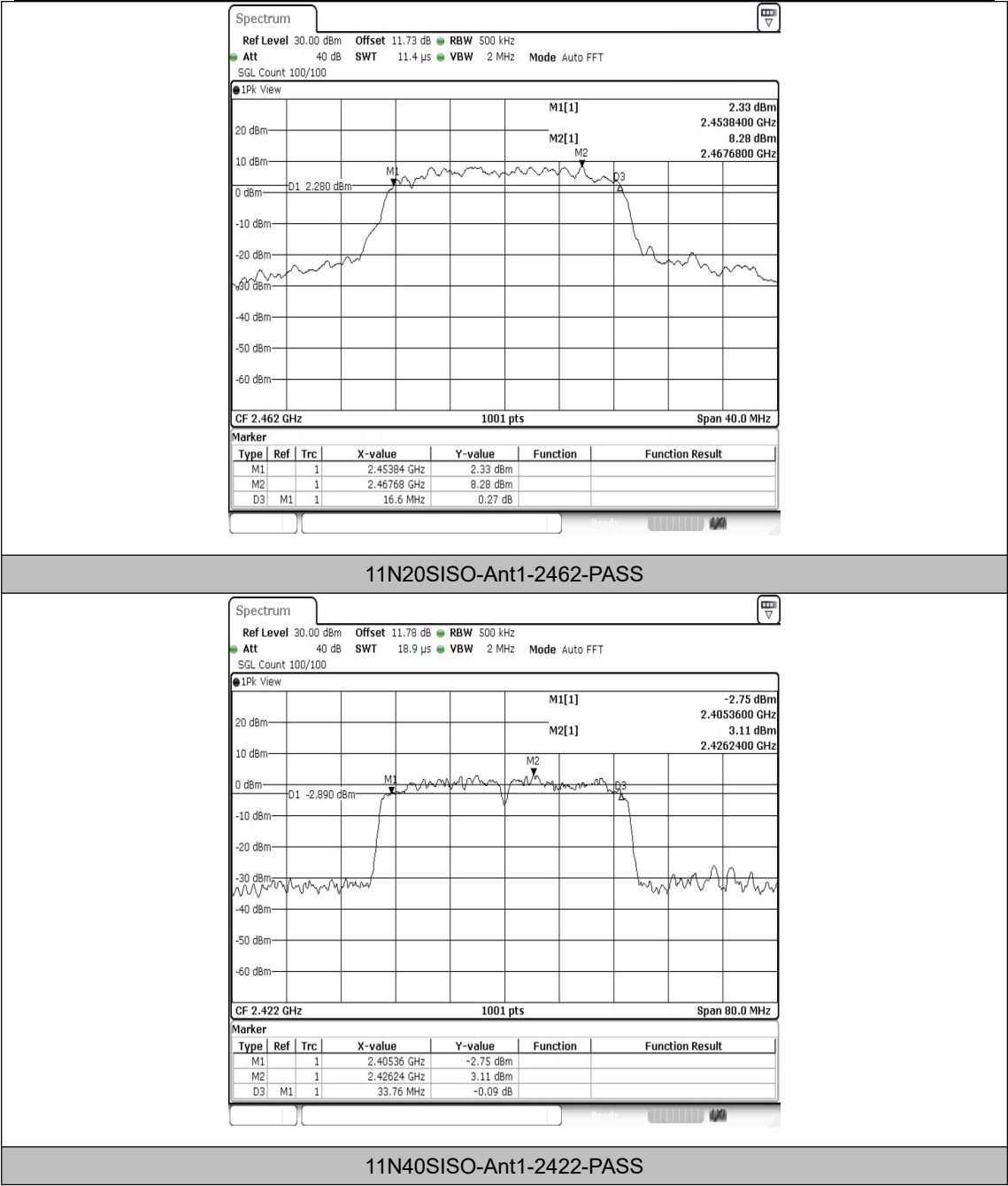


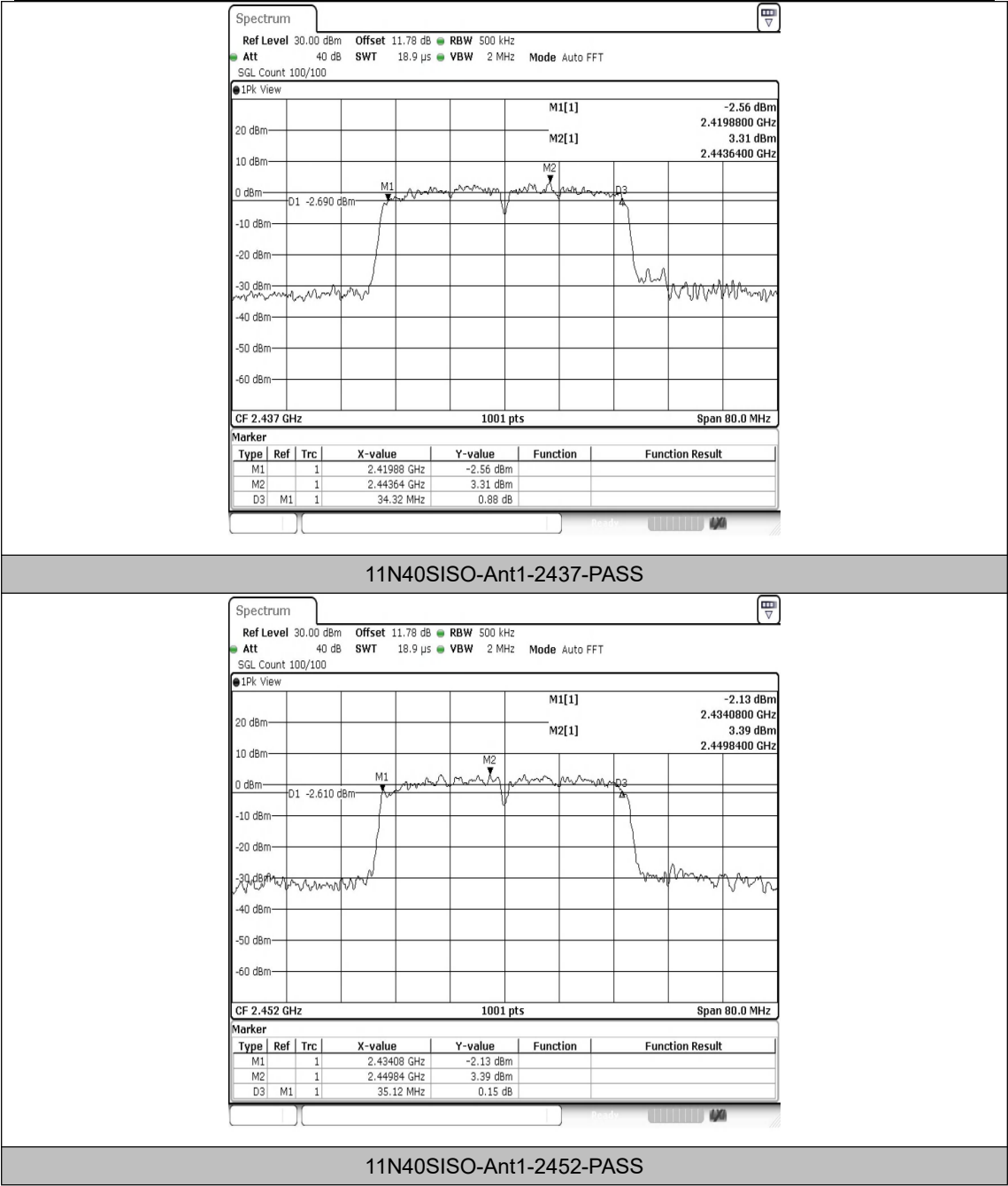
11G-Ant1-2412-PASS











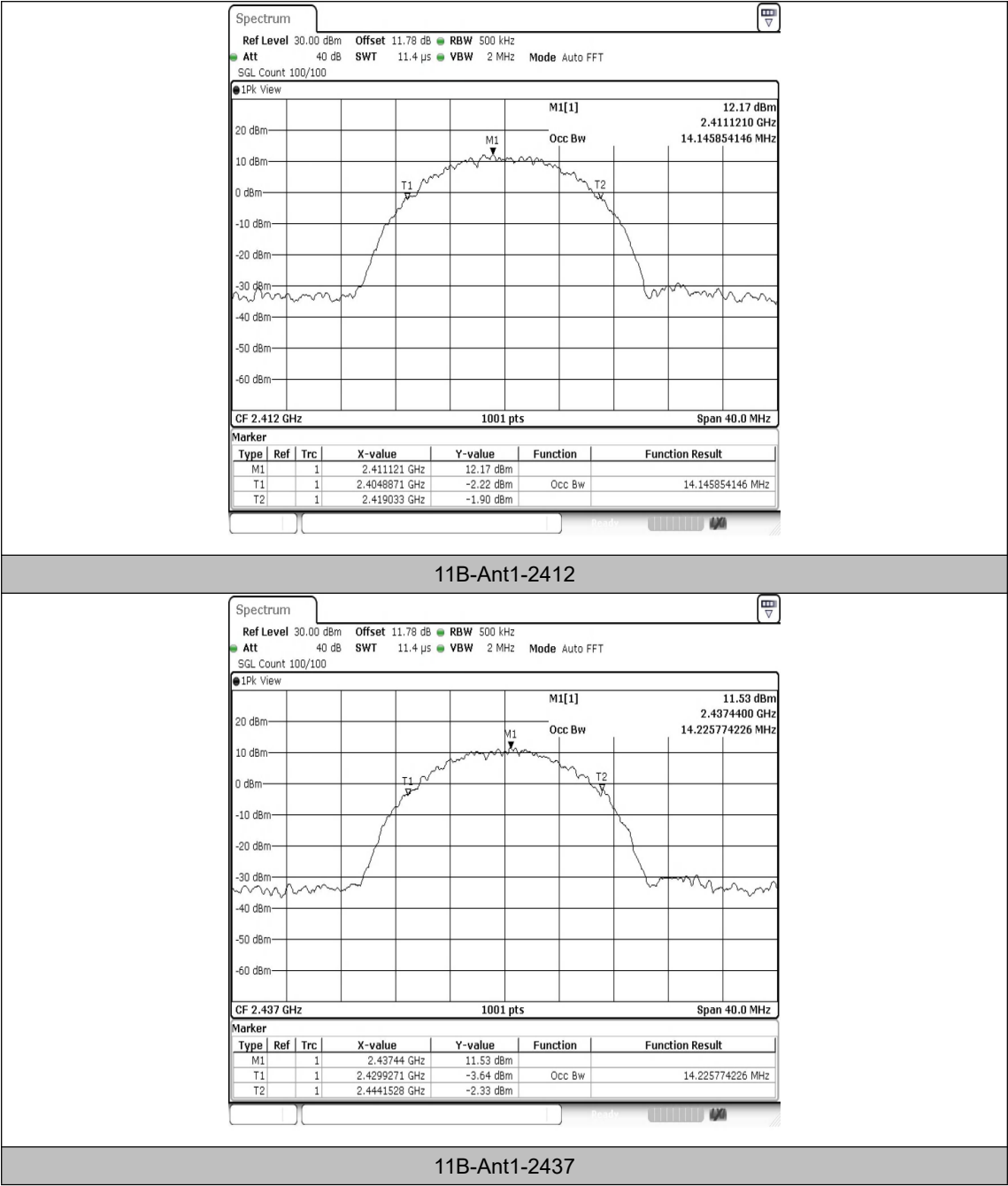
Appendix B: Occupied Channel Bandwidth

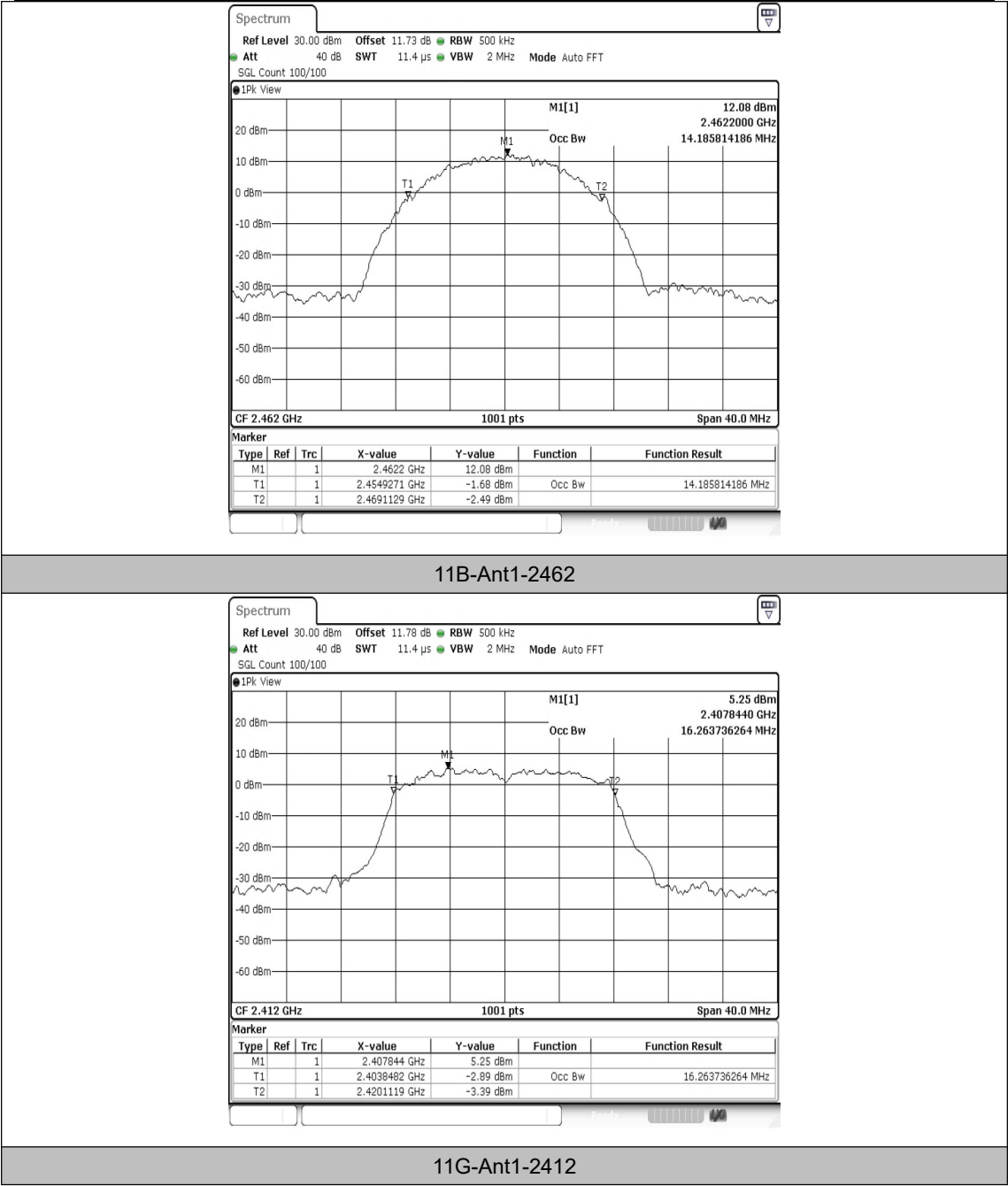
Test Result

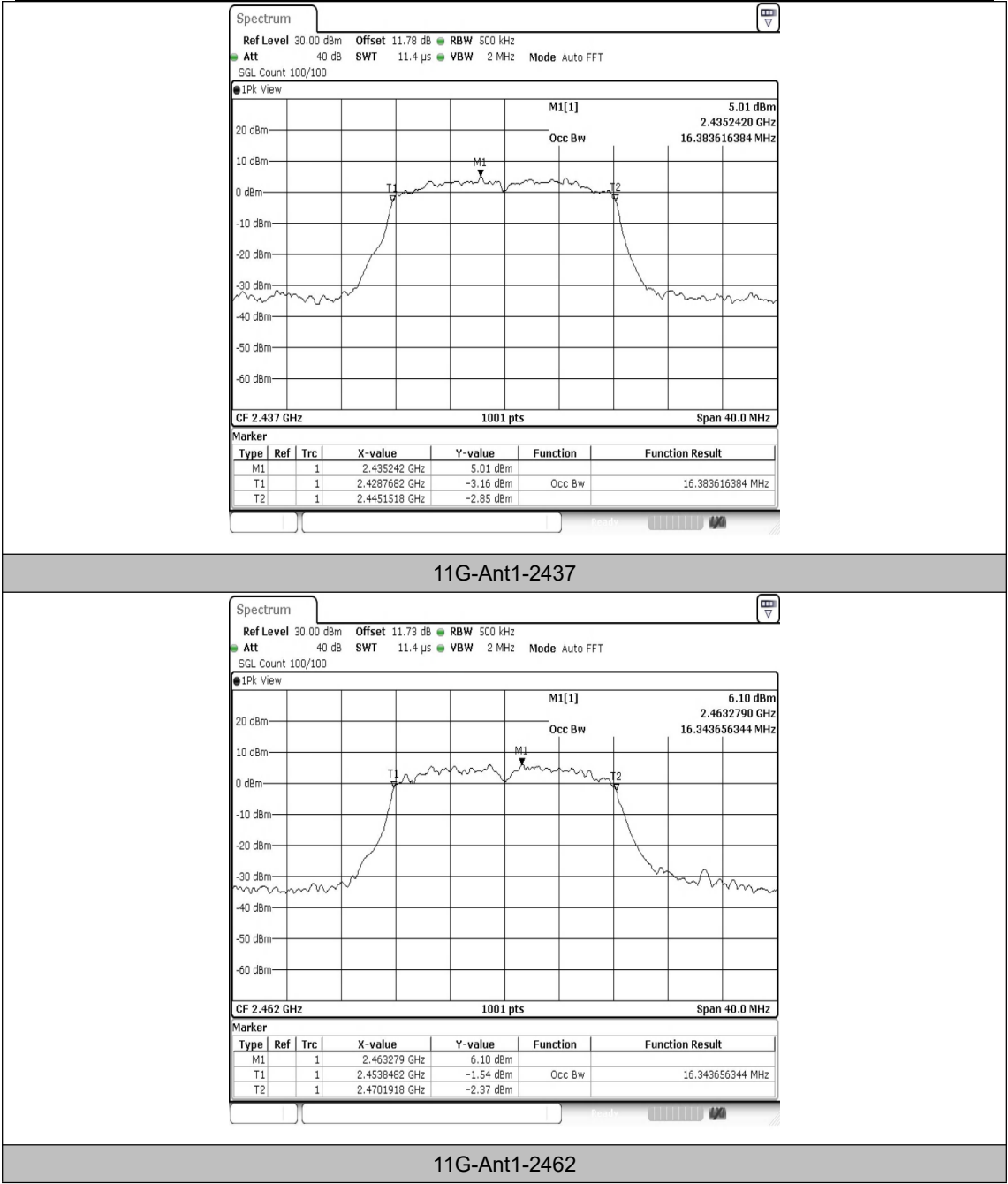
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.146	2404.8871	2419.0330	---	---
11B	Ant1	2437	14.226	2429.9271	2444.1528	---	---
11B	Ant1	2462	14.186	2454.9271	2469.1129	---	---
11G	Ant1	2412	16.264	2403.8482	2420.1119	---	---
11G	Ant1	2437	16.384	2428.7682	2445.1518	---	---
11G	Ant1	2462	16.344	2453.8482	2470.1918	---	---
11N20SISO	Ant1	2412	17.303	2403.3287	2420.6314	---	---
11N20SISO	Ant1	2437	17.343	2428.3686	2445.7113	---	---
11N20SISO	Ant1	2462	17.463	2453.3287	2470.7912	---	---
11N40SISO	Ant1	2422	35.804	2404.0979	2439.9021	---	---
11N40SISO	Ant1	2437	35.884	2419.1778	2455.0619	---	---
11N40SISO	Ant1	2452	35.804	2434.0979	2469.9021	---	---

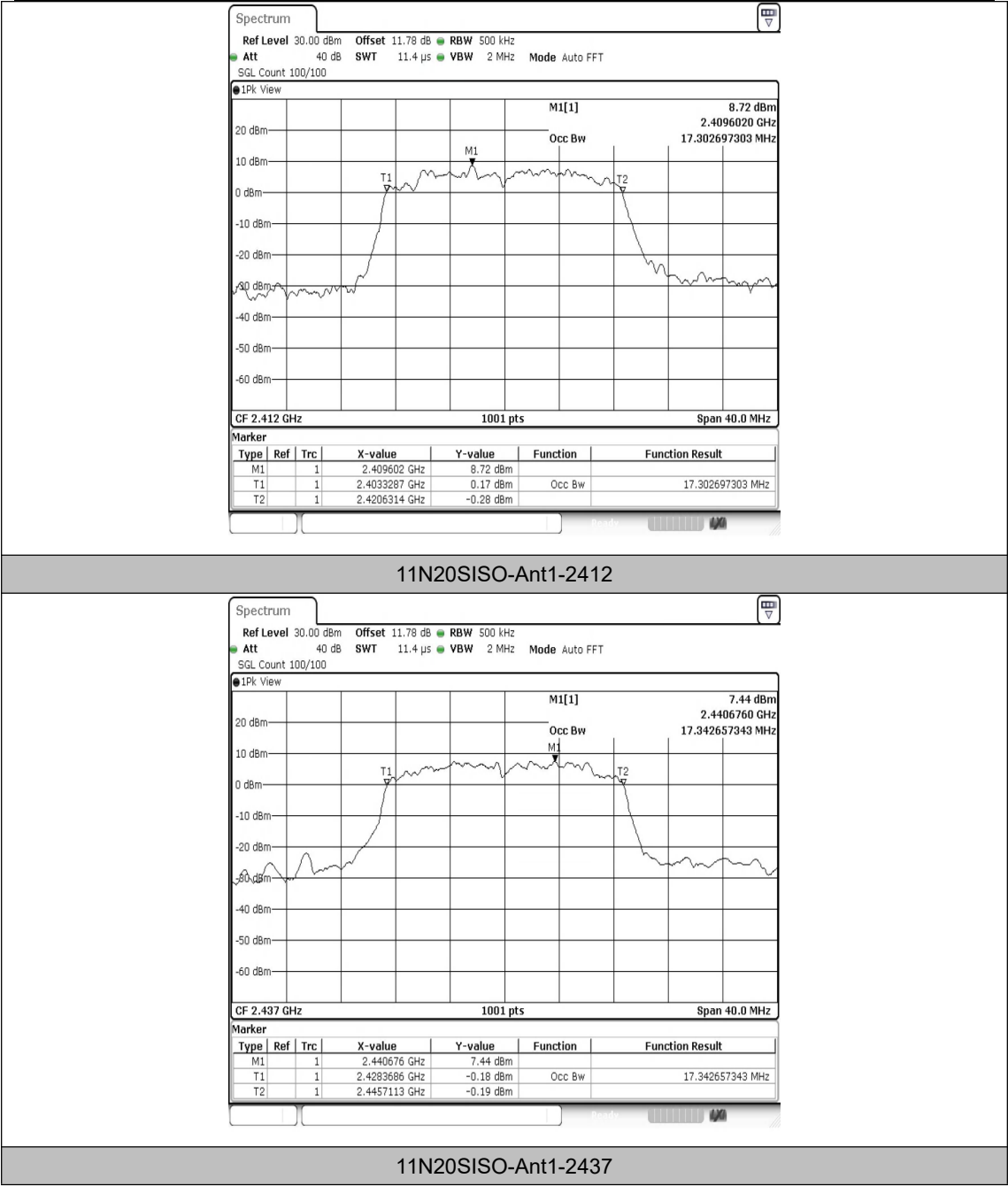


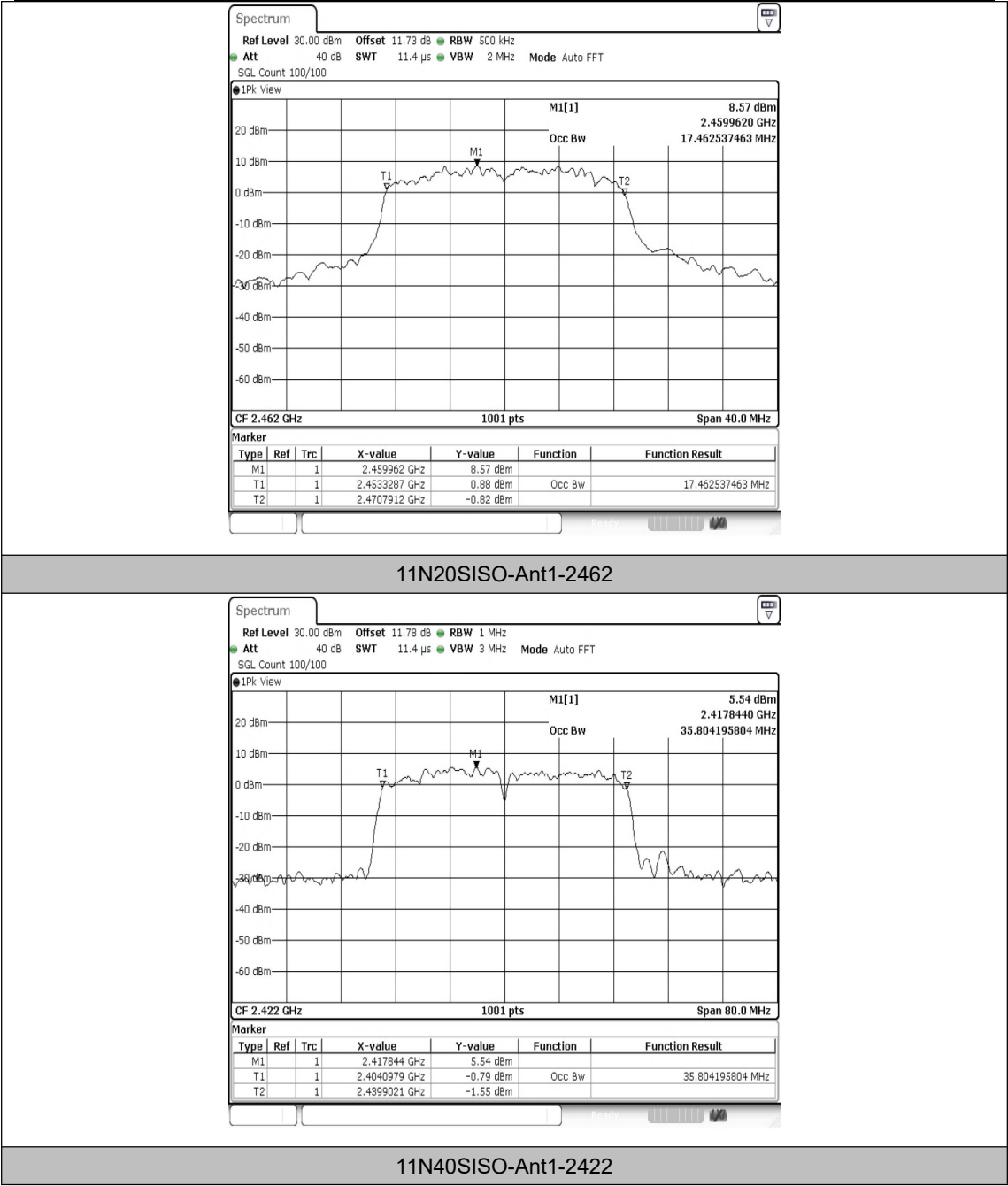
Test Graphs

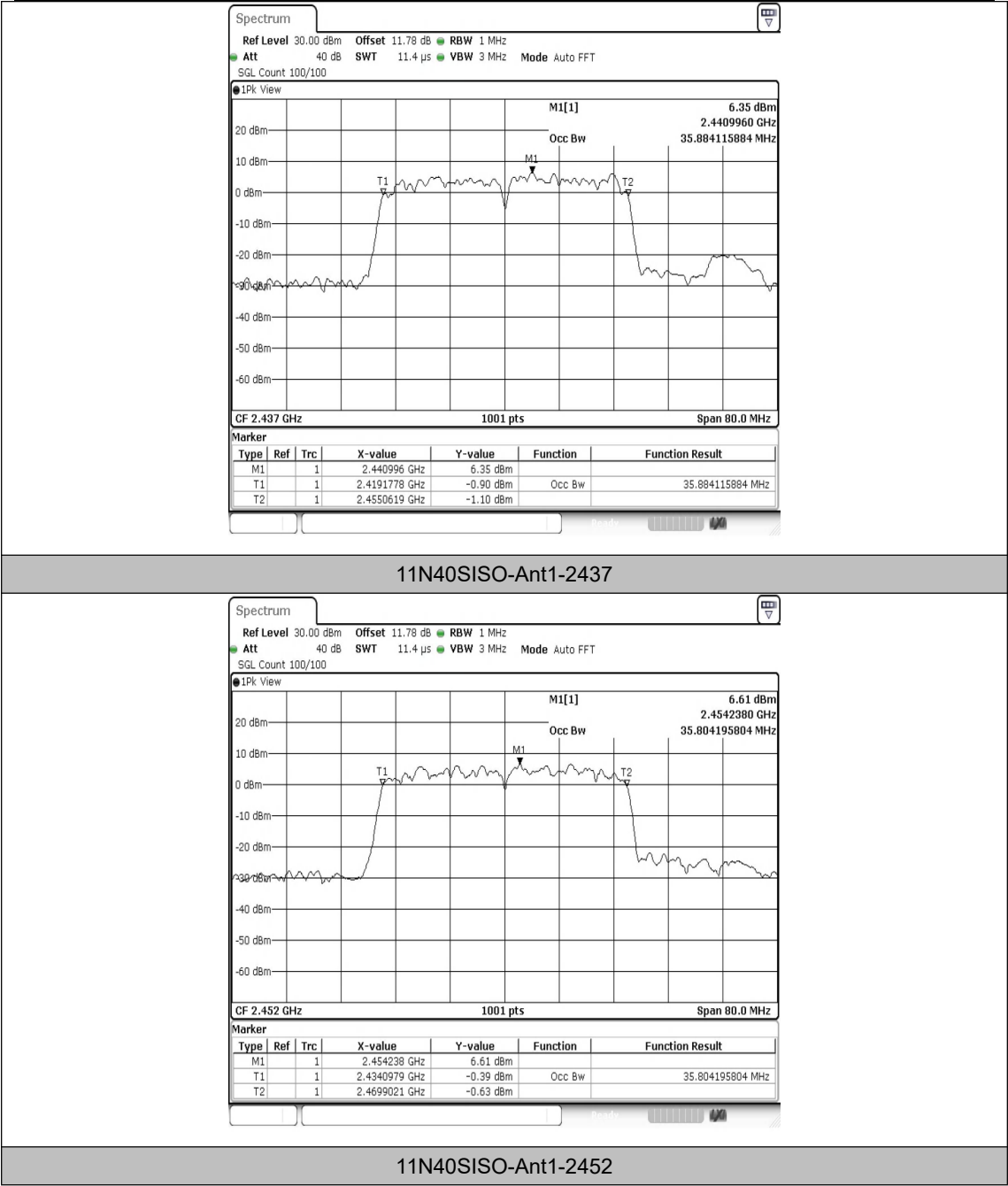












Appendix C: Maximum conducted output power

Test Result Average

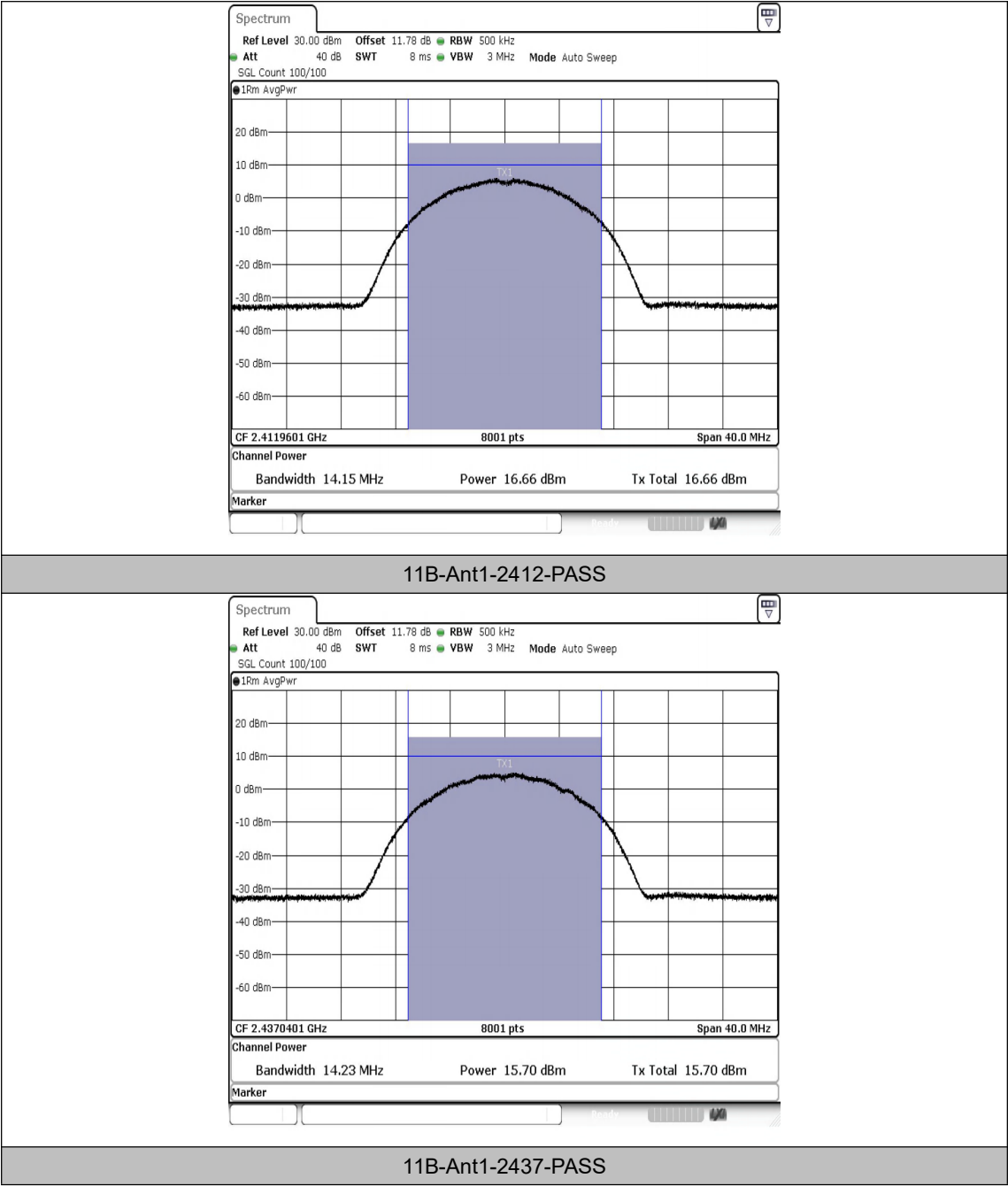
Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	16.66	89.04	0.50	17.16	≤30.00	PASS
11B	Ant1	2437	NA	15.70	95.62	0.19	15.89	≤30.00	PASS
11B	Ant1	2462	NA	16.74	92.91	0.32	17.06	≤30.00	PASS
11G	Ant1	2412	NA	12.32	94.52	0.24	12.56	≤30.00	PASS
11G	Ant1	2437	NA	11.61	93.64	0.29	11.90	≤30.00	PASS
11G	Ant1	2462	NA	12.46	94.06	0.27	12.73	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.98	69.70	1.57	14.55	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.22	74.19	1.30	14.52	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.85	74.19	1.30	15.15	≤30.00	PASS
11N40SISO	Ant1	2422	NA	10.52	52.00	2.84	13.36	≤30.00	PASS
11N40SISO	Ant1	2437	NA	10.57	50.00	3.01	13.58	≤30.00	PASS
11N40SISO	Ant1	2452	NA	10.95	44.83	3.48	14.43	≤30.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph



Test Graphs Average

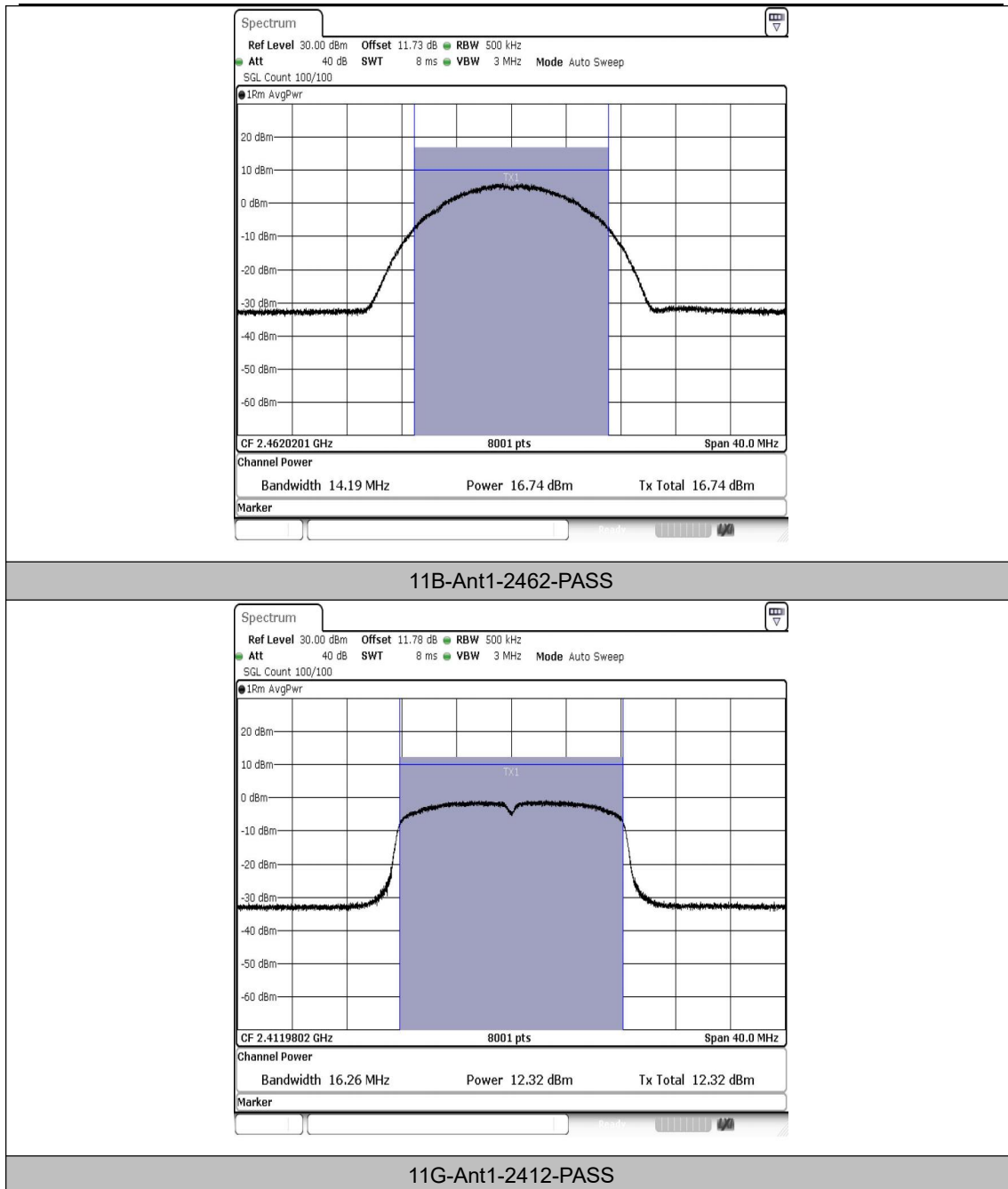


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400-003-0500
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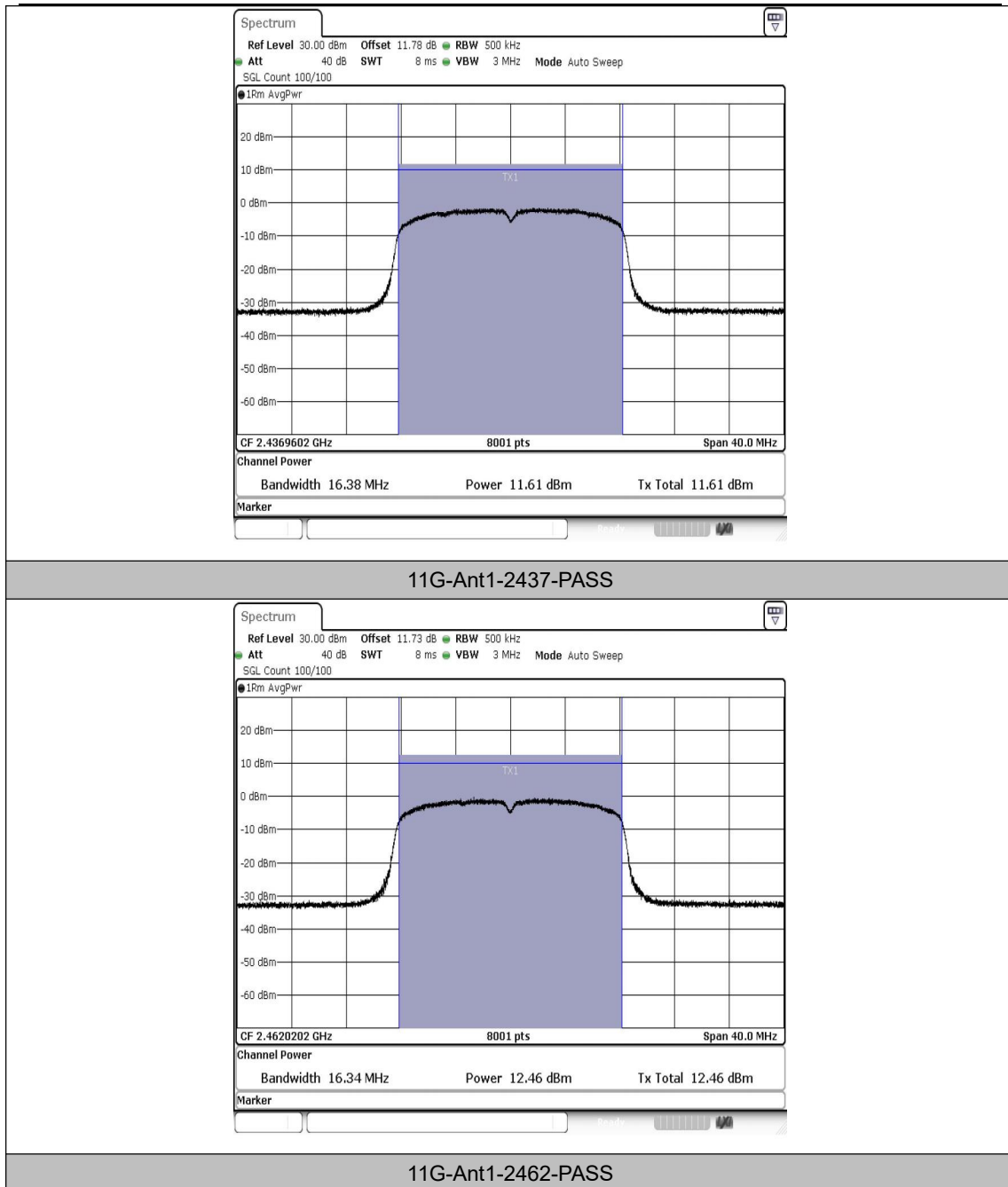


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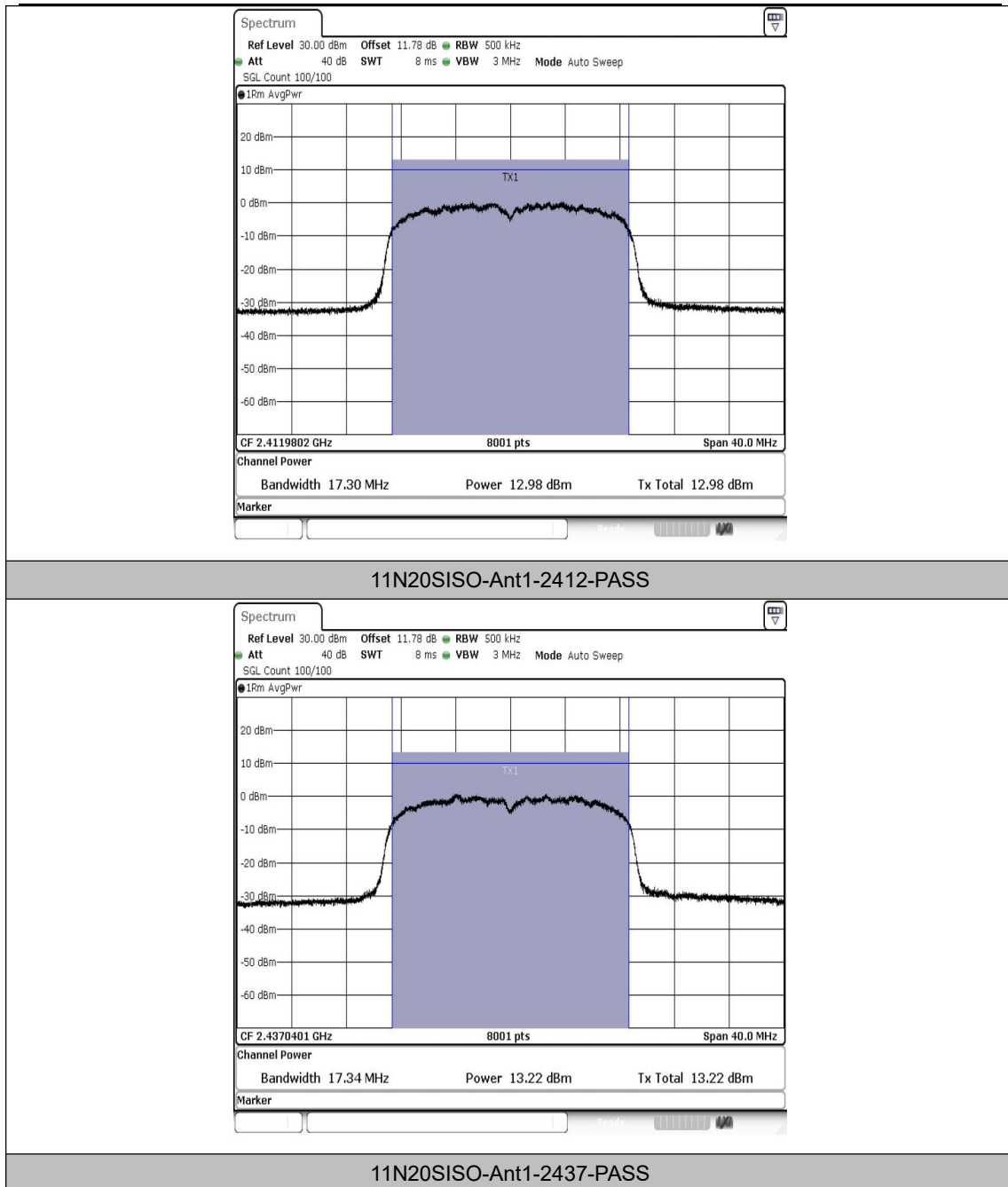


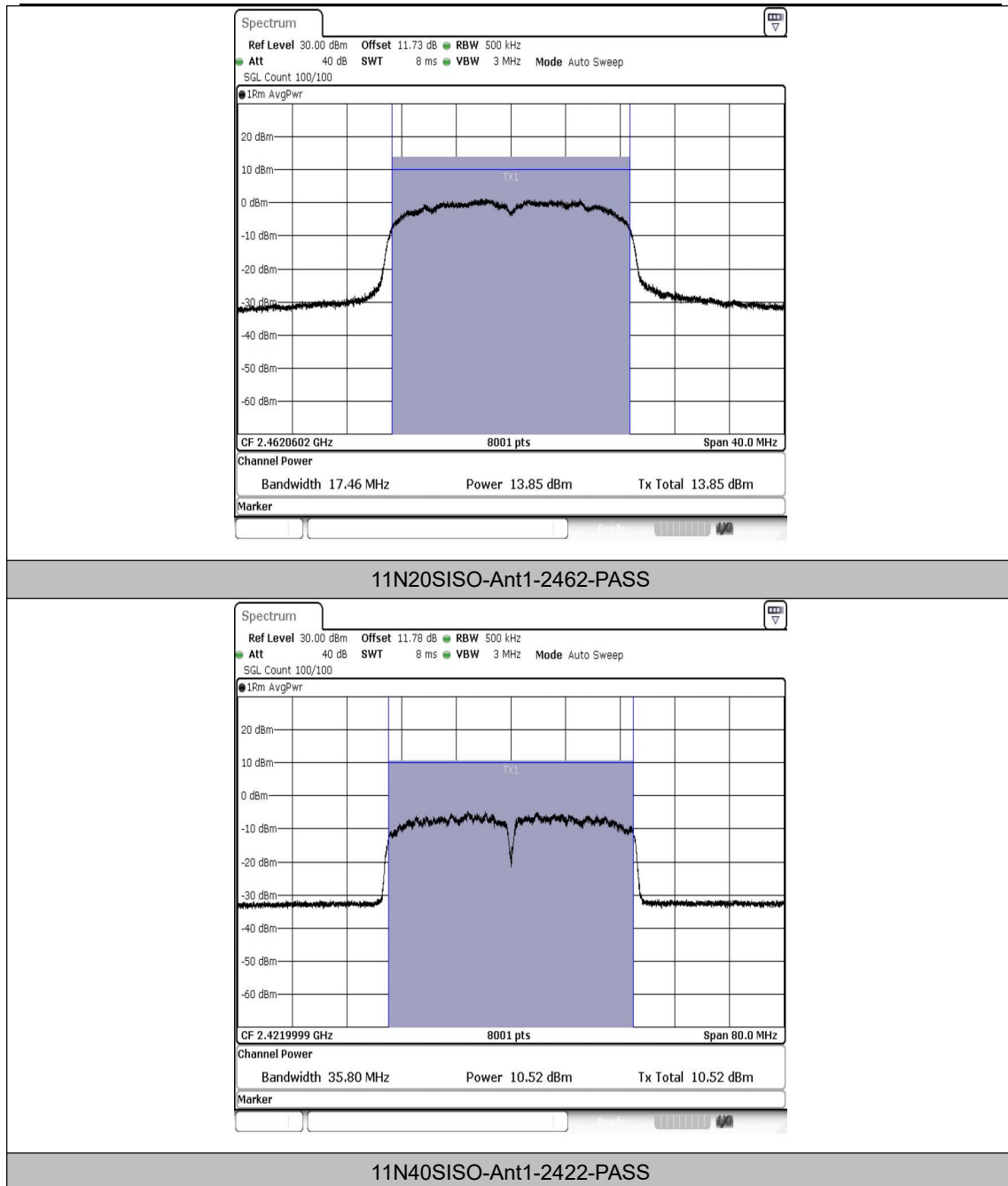
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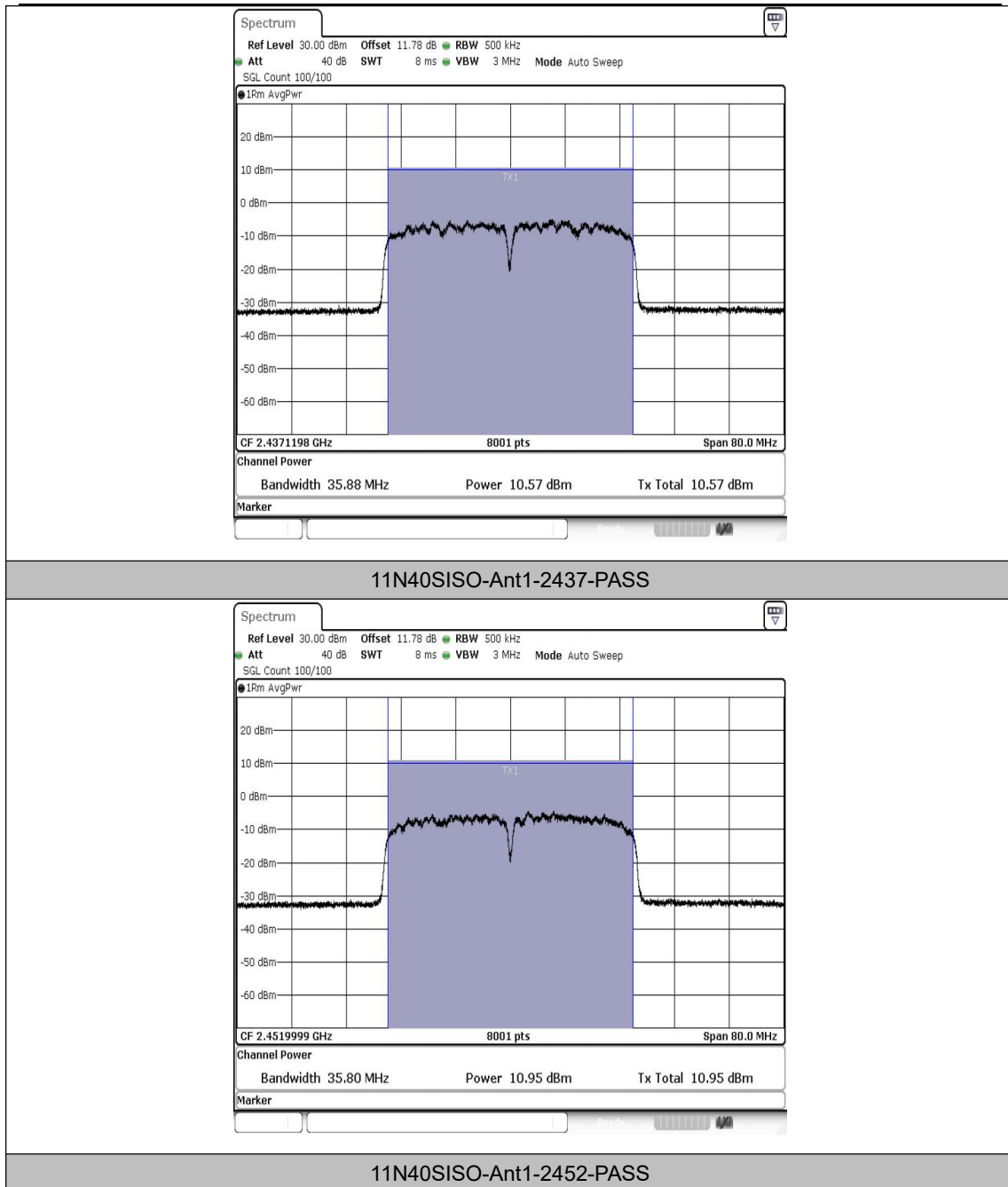


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Appendix D: Maximum power spectral density

Test Result

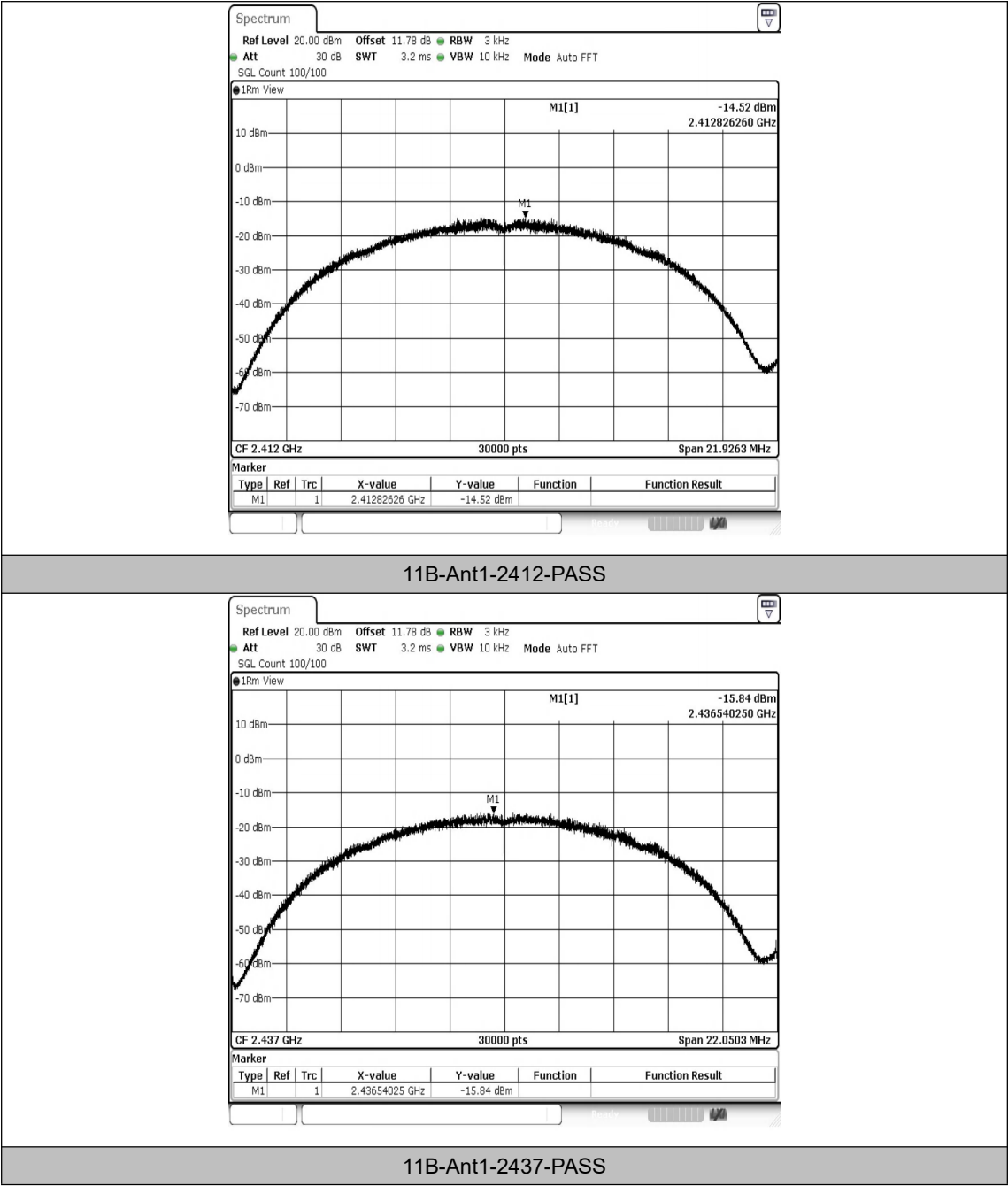
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.02	≤8.00	PASS
11B	Ant1	2437	-15.65	≤8.00	PASS
11B	Ant1	2462	-14.87	≤8.00	PASS
11G	Ant1	2412	-18.40	≤8.00	PASS
11G	Ant1	2437	-19.00	≤8.00	PASS
11G	Ant1	2462	-18.37	≤8.00	PASS
11N20SISO	Ant1	2412	-12.52	≤8.00	PASS
11N20SISO	Ant1	2437	-12.01	≤8.00	PASS
11N20SISO	Ant1	2462	-11.82	≤8.00	PASS
11N40SISO	Ant1	2422	-15.69	≤8.00	PASS
11N40SISO	Ant1	2437	-15.11	≤8.00	PASS
11N40SISO	Ant1	2452	-15.45	≤8.00	PASS

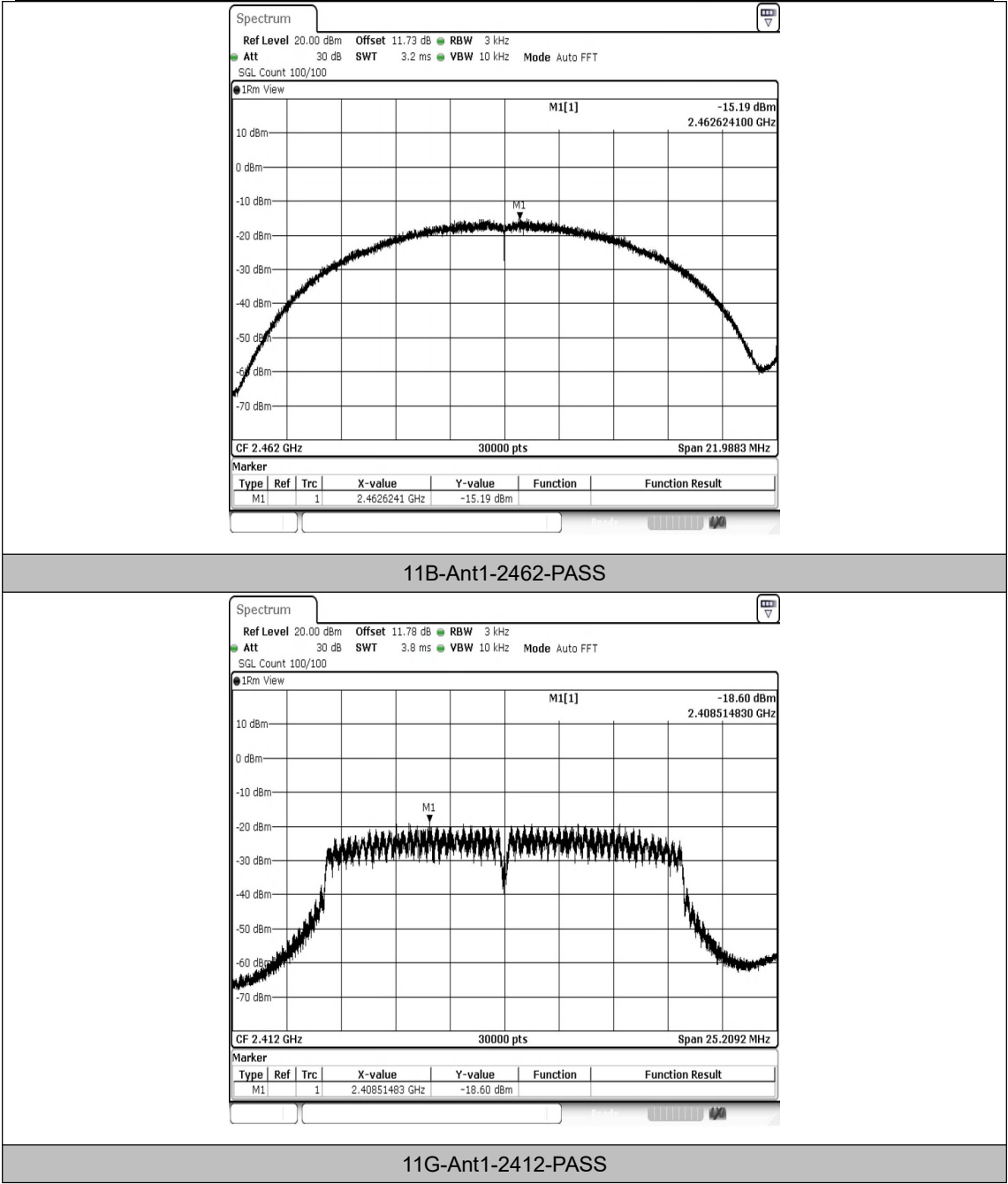
Note:

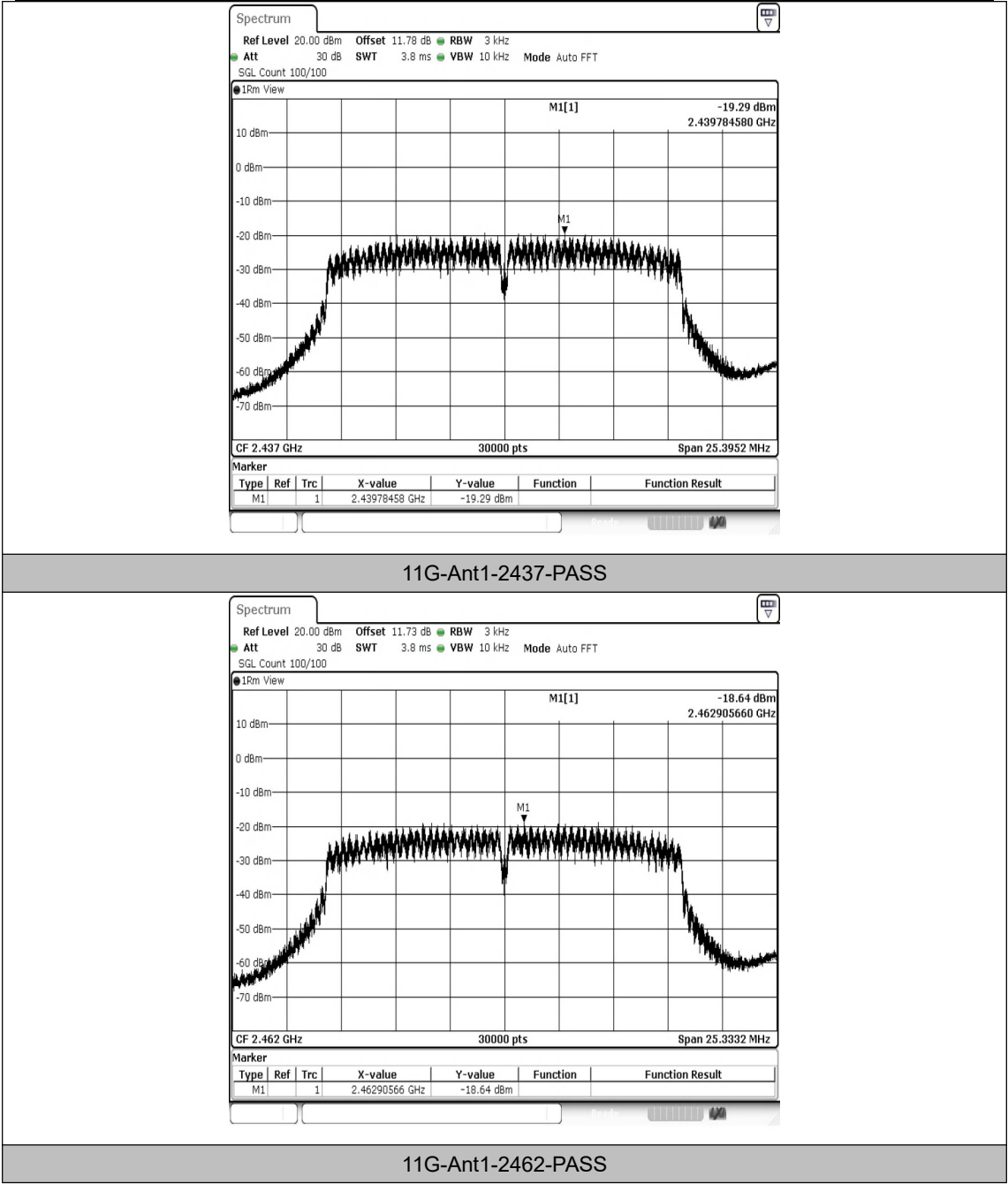
1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$

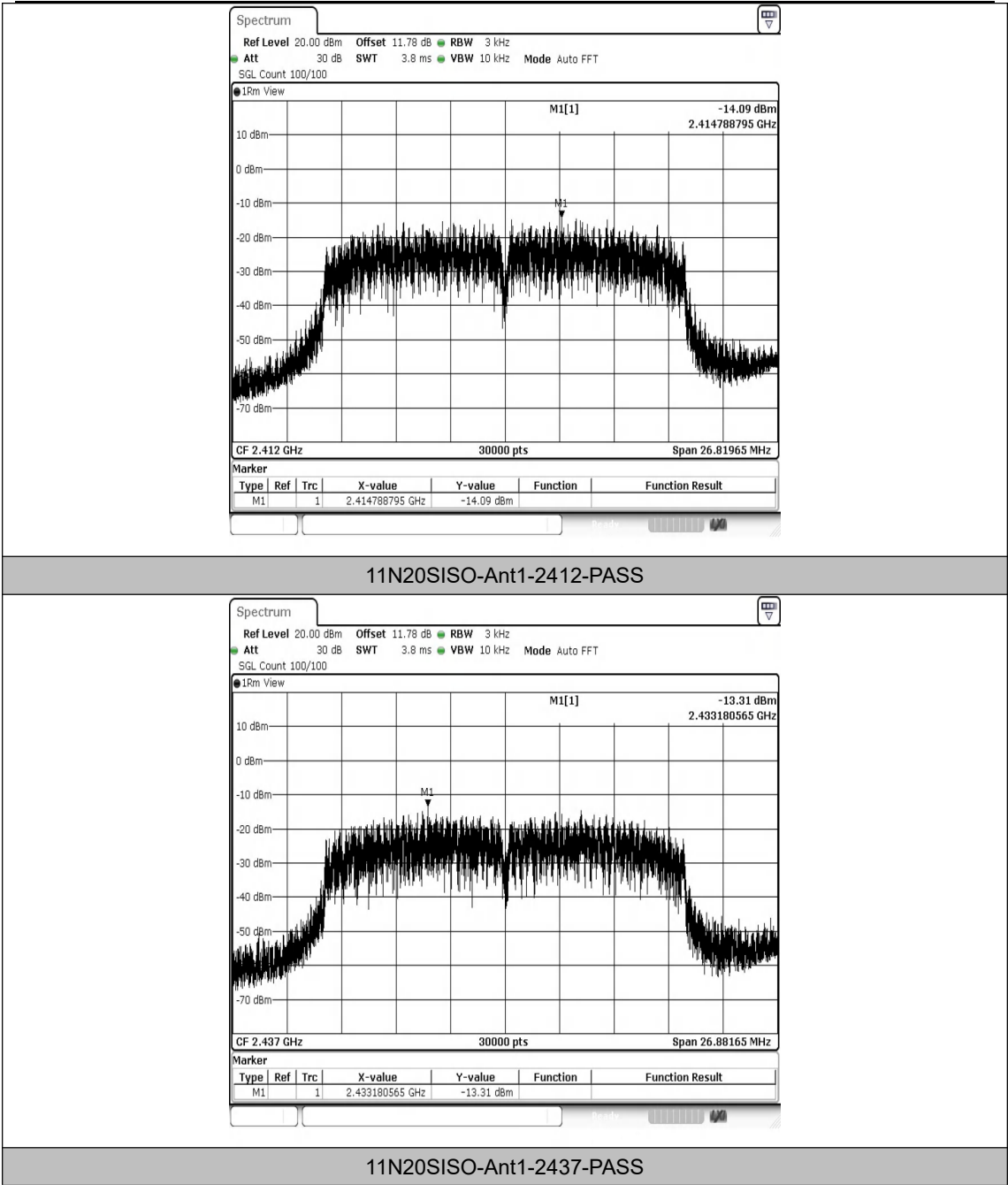


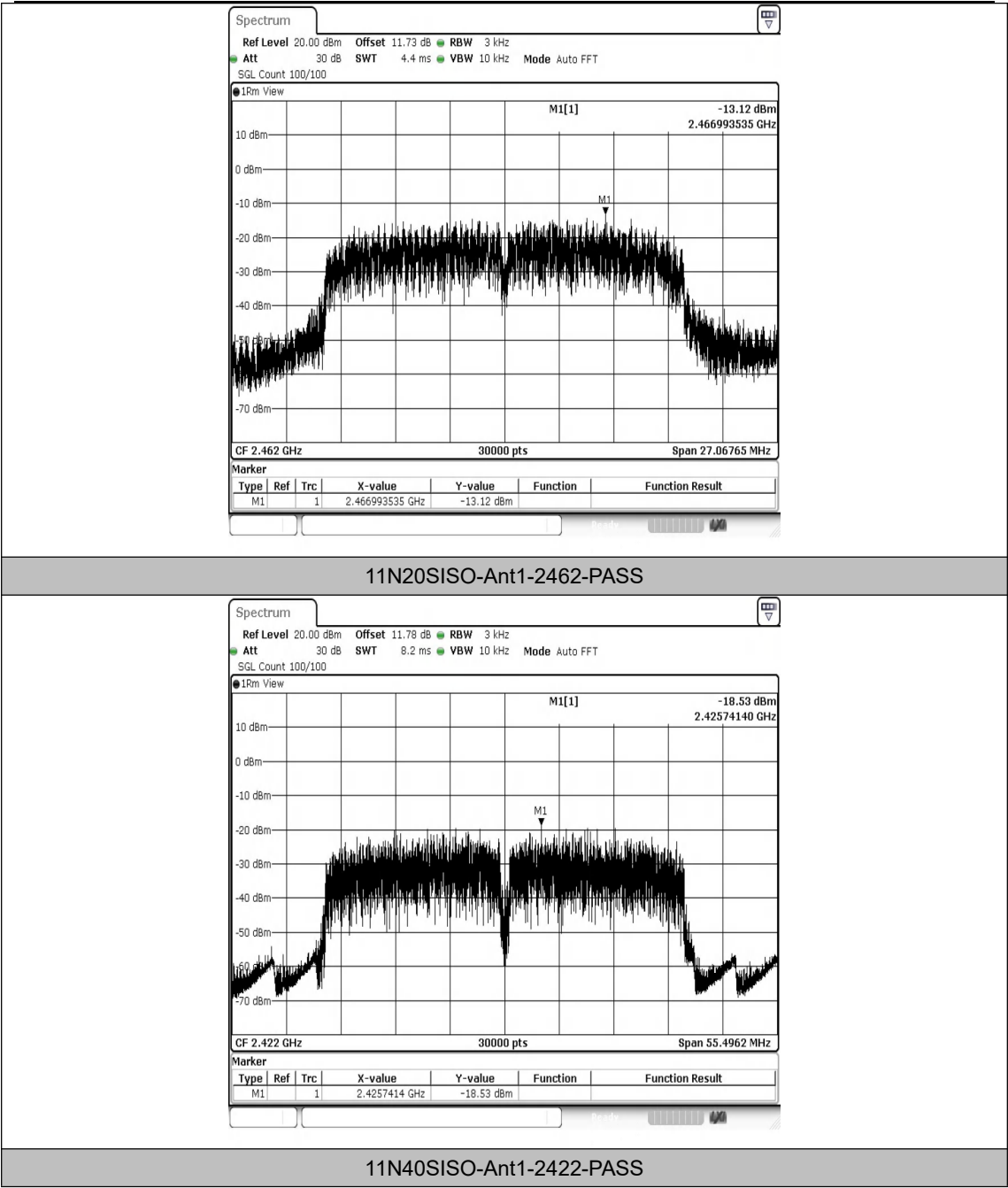
Test Graphs

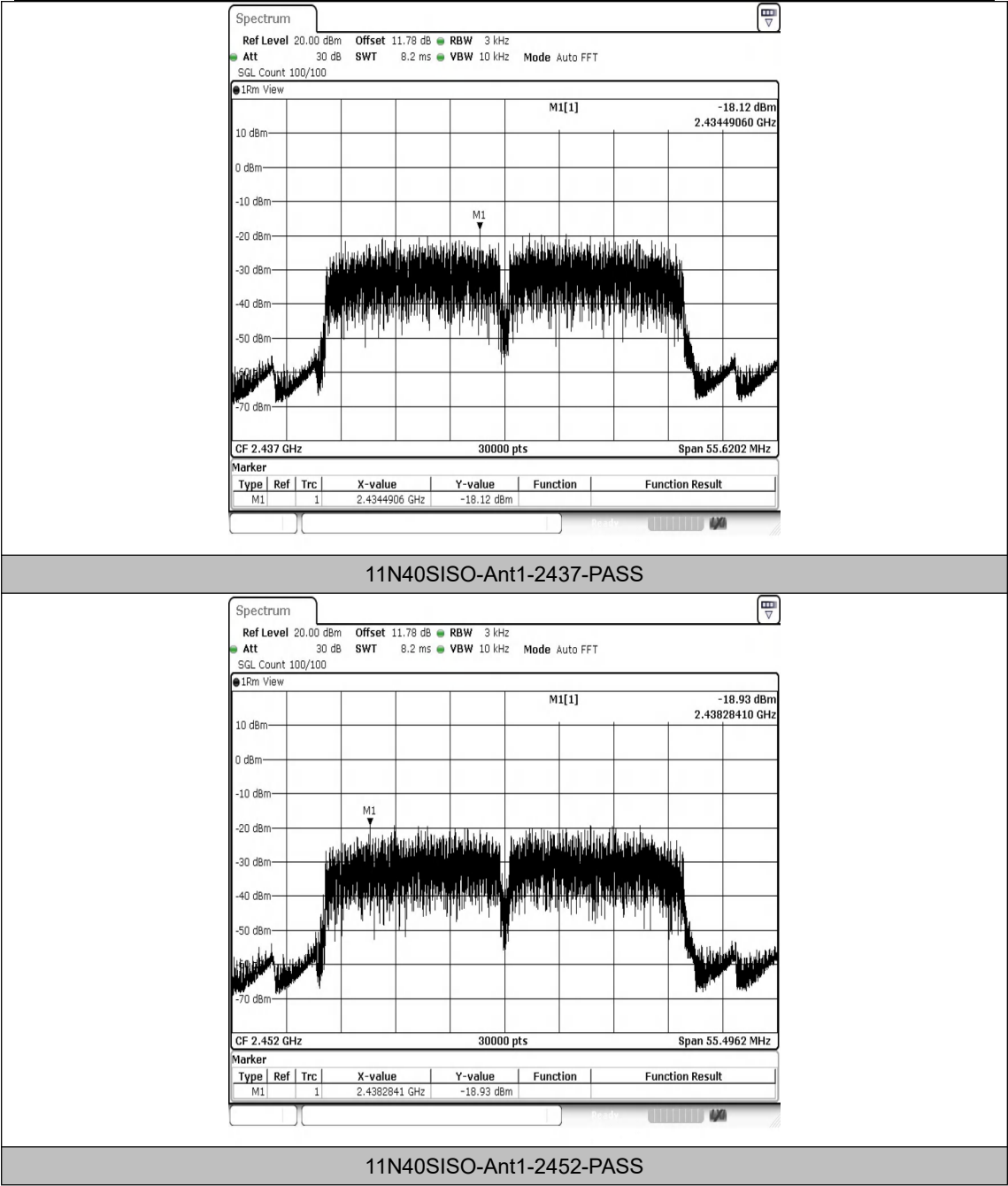












Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.30	-40.3	≤-21.7	PASS
11B	Ant1	High	2462	7.14	-46.8	≤-22.86	PASS
11G	Ant1	Low	2412	-0.91	-43.08	≤-30.91	PASS
11G	Ant1	High	2462	-1.23	-46.78	≤-31.23	PASS
11N20SISO	Ant1	Low	2412	3.80	-35.54	≤-26.2	PASS
11N20SISO	Ant1	High	2462	4.40	-36.97	≤-25.6	PASS
11N40SISO	Ant1	Low	2422	-1.02	-35.76	≤-31.02	PASS
11N40SISO	Ant1	High	2452	-3.49	-38.26	≤-33.49	PASS



Test Graphs

