

Appendix Test Data

Report No.:	1813C50061112502	Test Sample No.:	1-2-2
Start Test Date:	2025.2.24	Finish Test Date:	2025.3.5
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	22.1°C	Relative Humidity:	54%
Pressure:	101kPa		

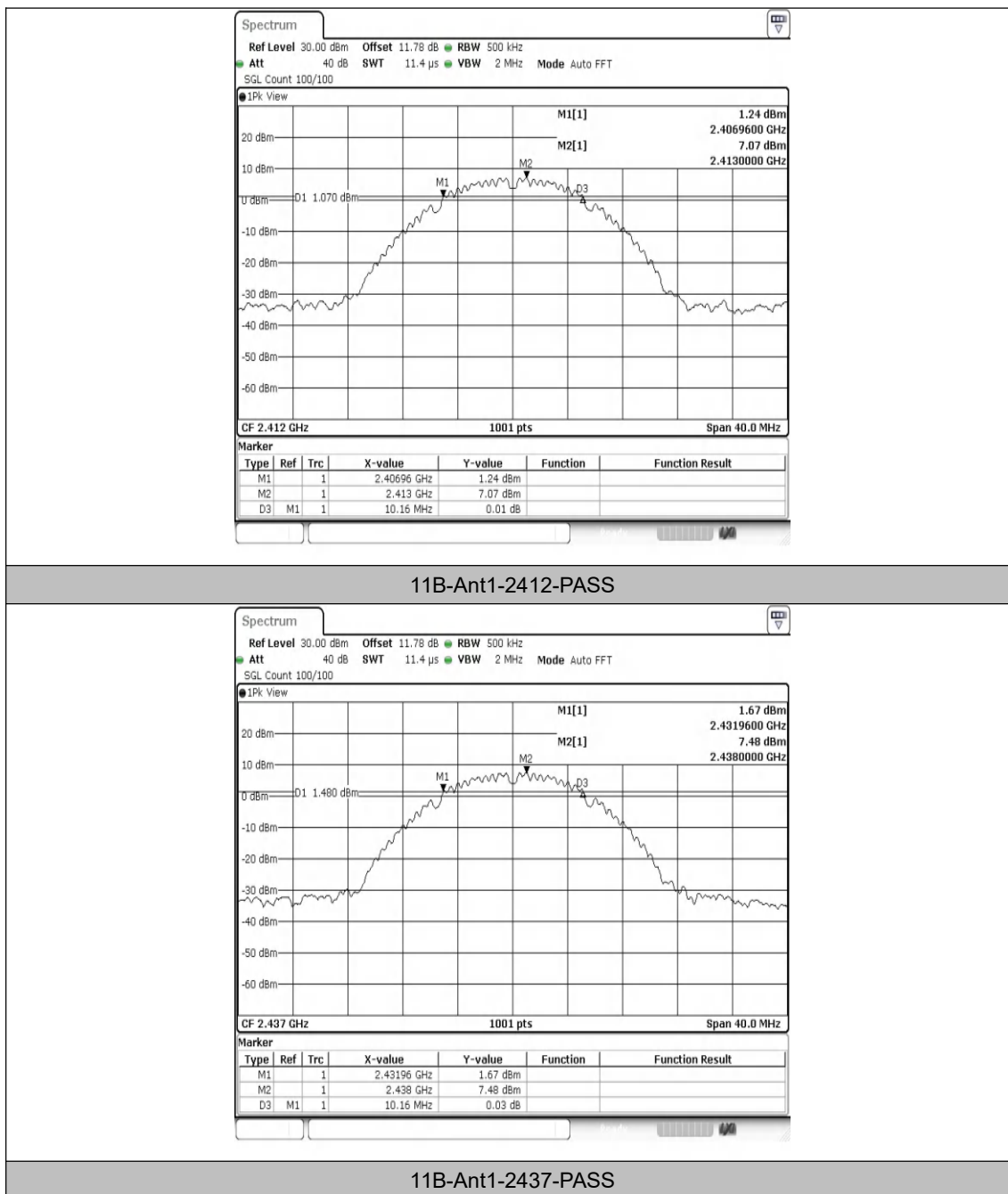
Appendix A: 6dB Bandwidth

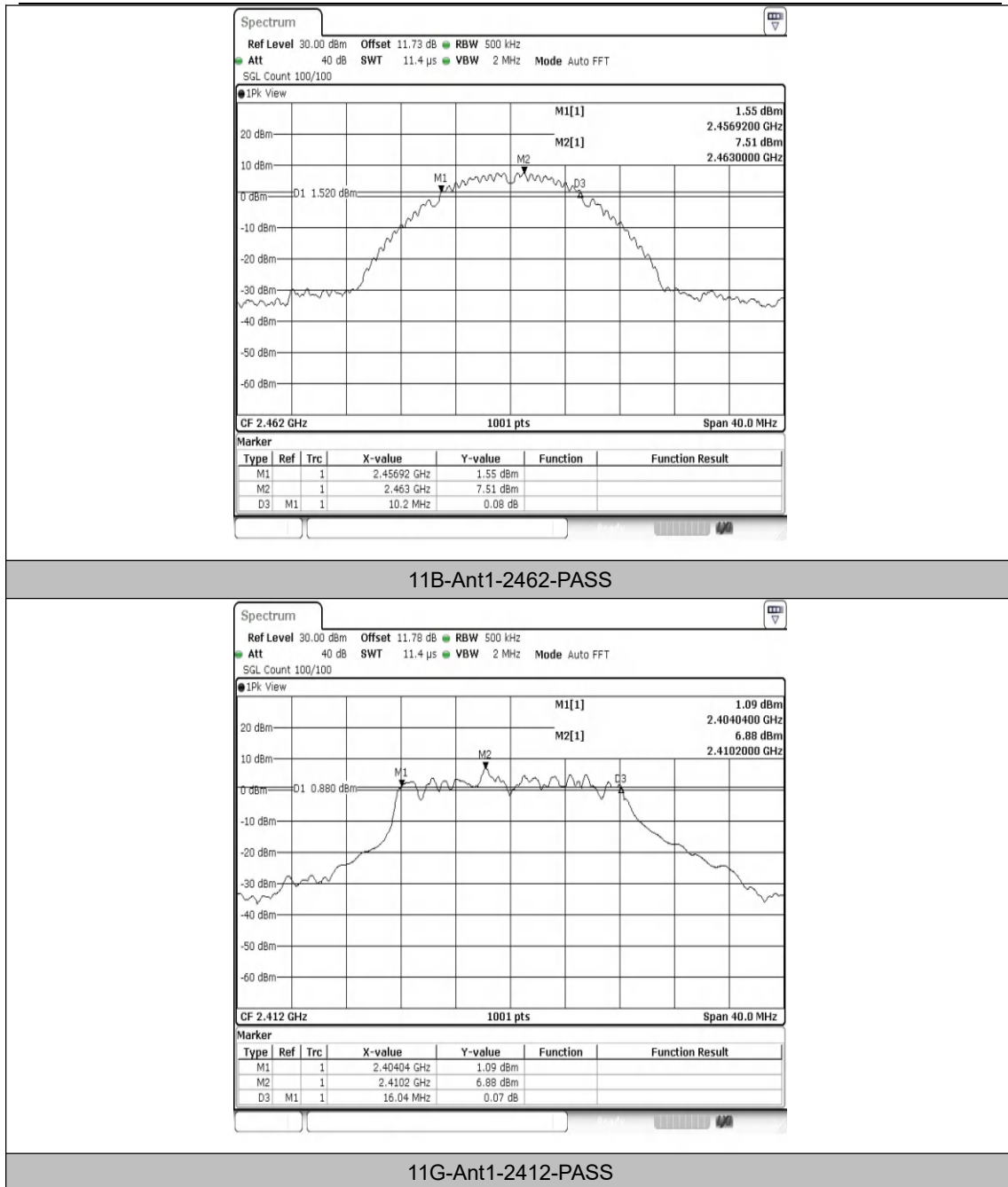
Test Result

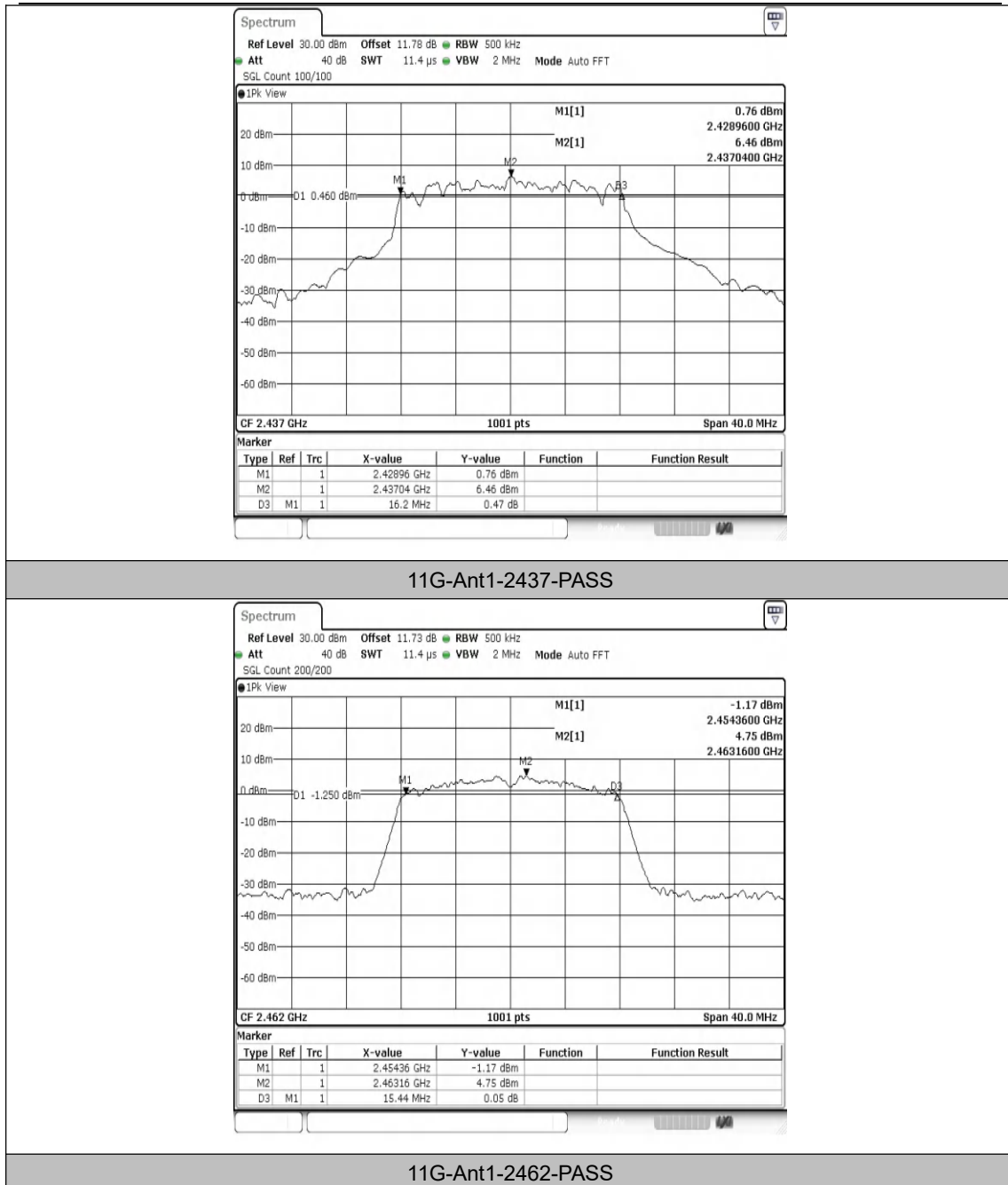
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.16	2406.96	2417.12	0.5	PASS
11B	Ant1	2437	10.16	2431.96	2442.12	0.5	PASS
11B	Ant1	2462	10.20	2456.92	2467.12	0.5	PASS
11G	Ant1	2412	16.04	2404.04	2420.08	0.5	PASS
11G	Ant1	2437	16.20	2428.96	2445.16	0.5	PASS
11G	Ant1	2462	15.44	2454.36	2469.80	0.5	PASS
11N20SISO	Ant1	2412	17.24	2403.16	2420.40	0.5	PASS
11N20SISO	Ant1	2437	17.16	2428.44	2445.60	0.5	PASS
11N20SISO	Ant1	2462	17.36	2453.08	2470.44	0.5	PASS
11N40SISO	Ant1	2422	34.64	2405.52	2440.16	0.5	PASS
11N40SISO	Ant1	2437	34.08	2419.40	2453.48	0.5	PASS
11N40SISO	Ant1	2452	35.84	2433.84	2469.68	0.5	PASS
11AX20SISO	Ant1	2412	18.88	2402.48	2421.36	0.5	PASS
11AX20SISO	Ant1	2437	18.44	2427.68	2446.12	0.5	PASS
11AX20SISO	Ant1	2462	18.92	2452.56	2471.48	0.5	PASS
11AX40SISO	Ant1	2422	37.28	2403.52	2440.80	0.5	PASS
11AX40SISO	Ant1	2437	36.80	2418.44	2455.24	0.5	PASS
11AX40SISO	Ant1	2452	36.24	2433.68	2469.92	0.5	PASS



Test Graphs



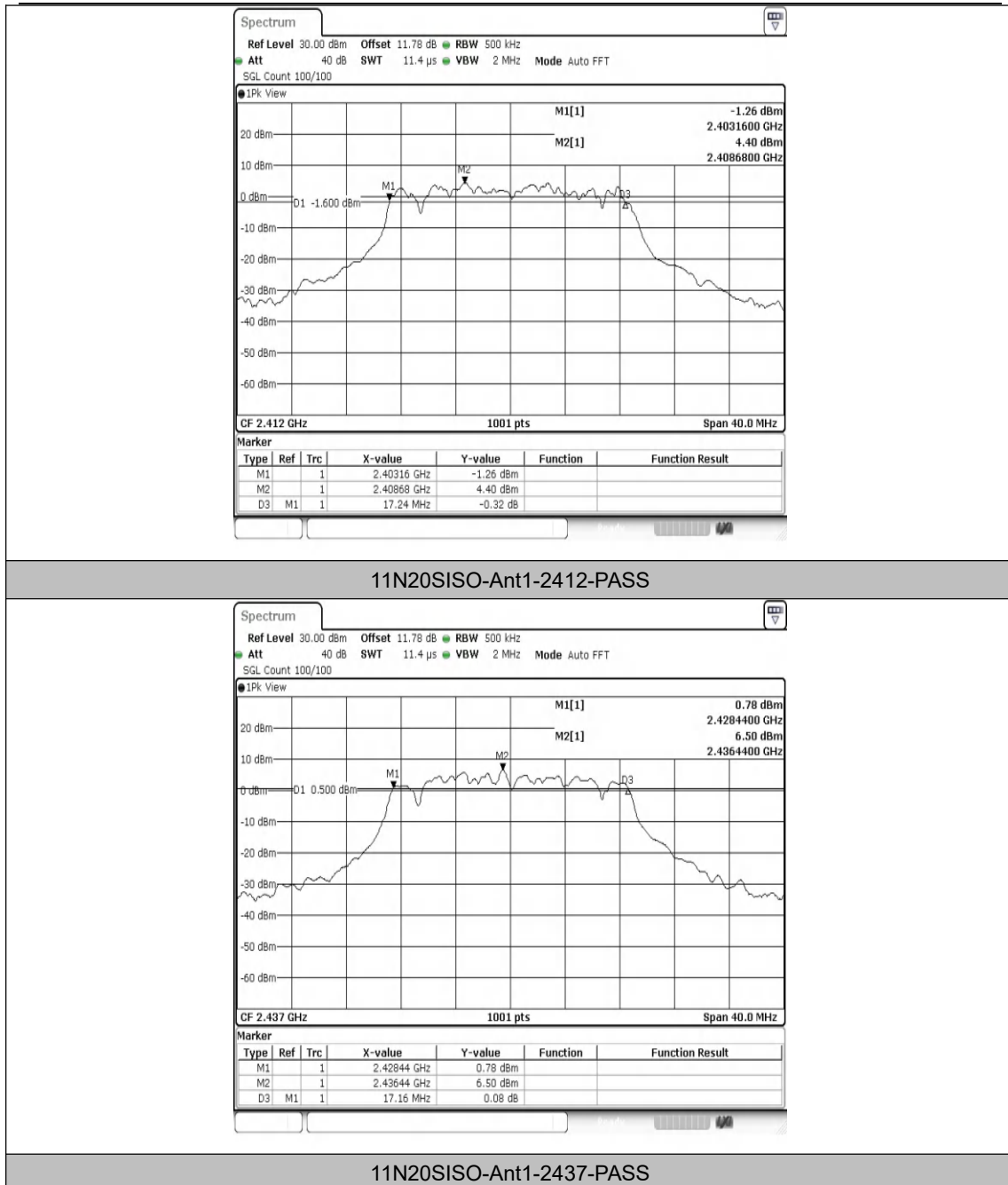


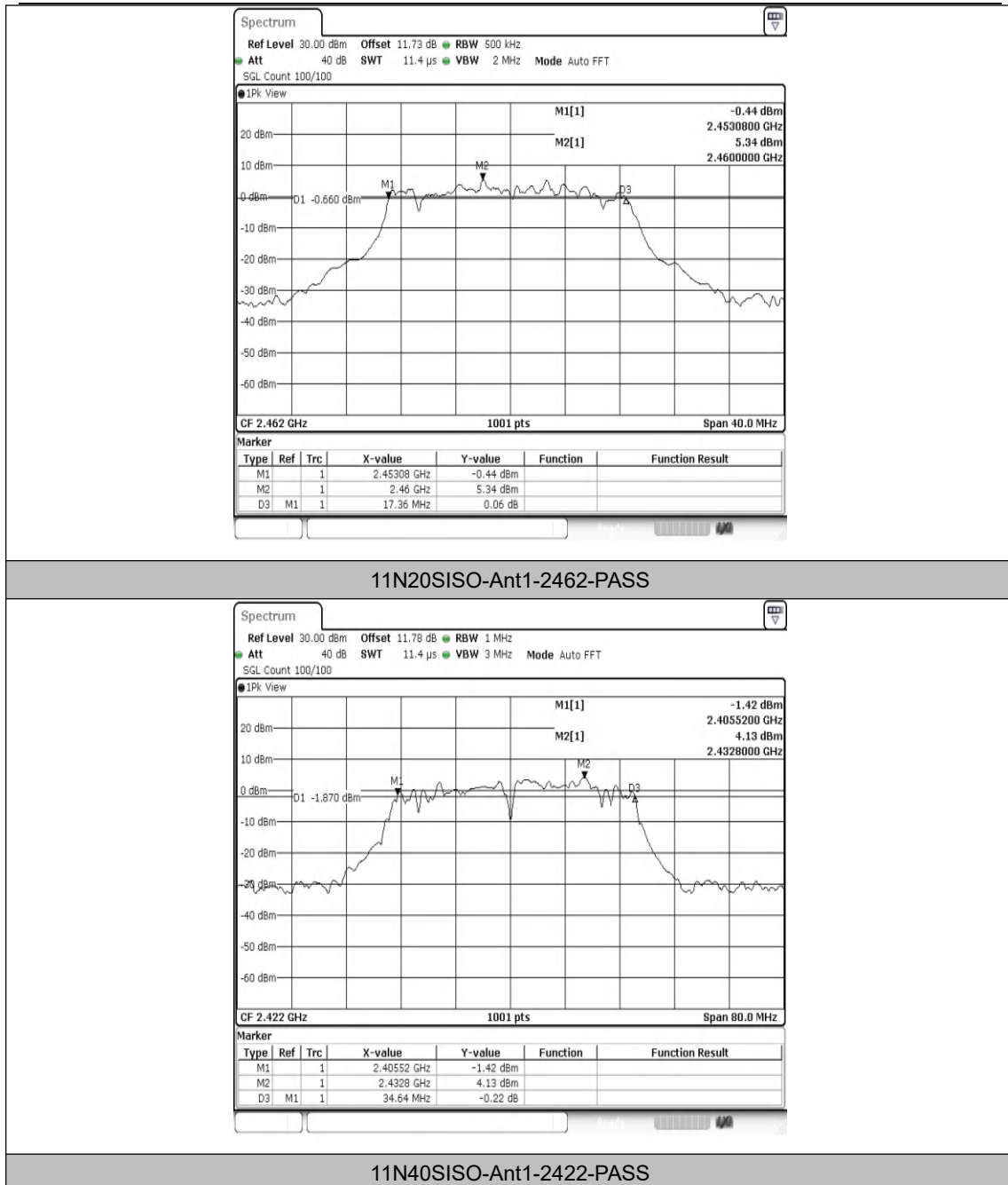


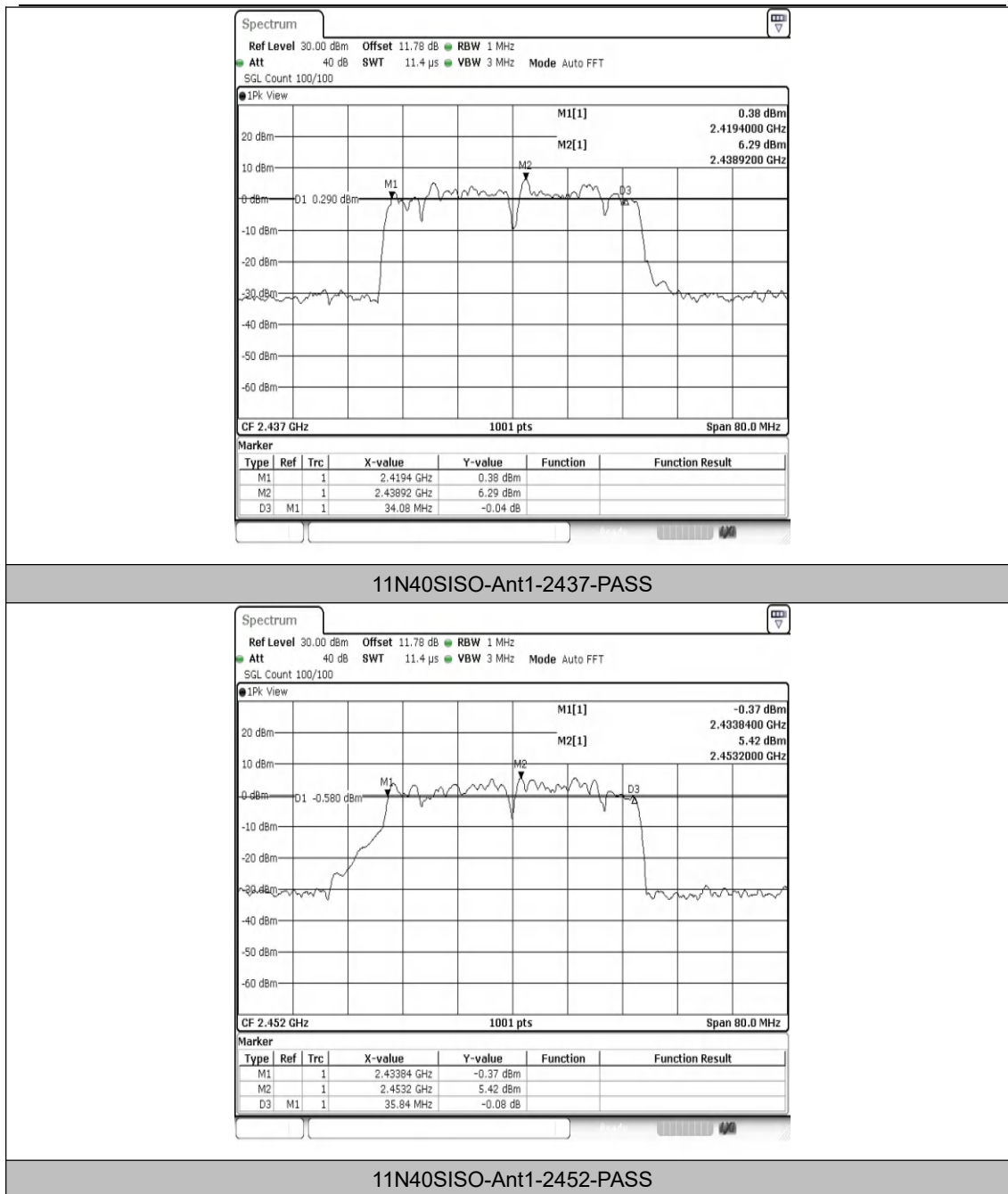
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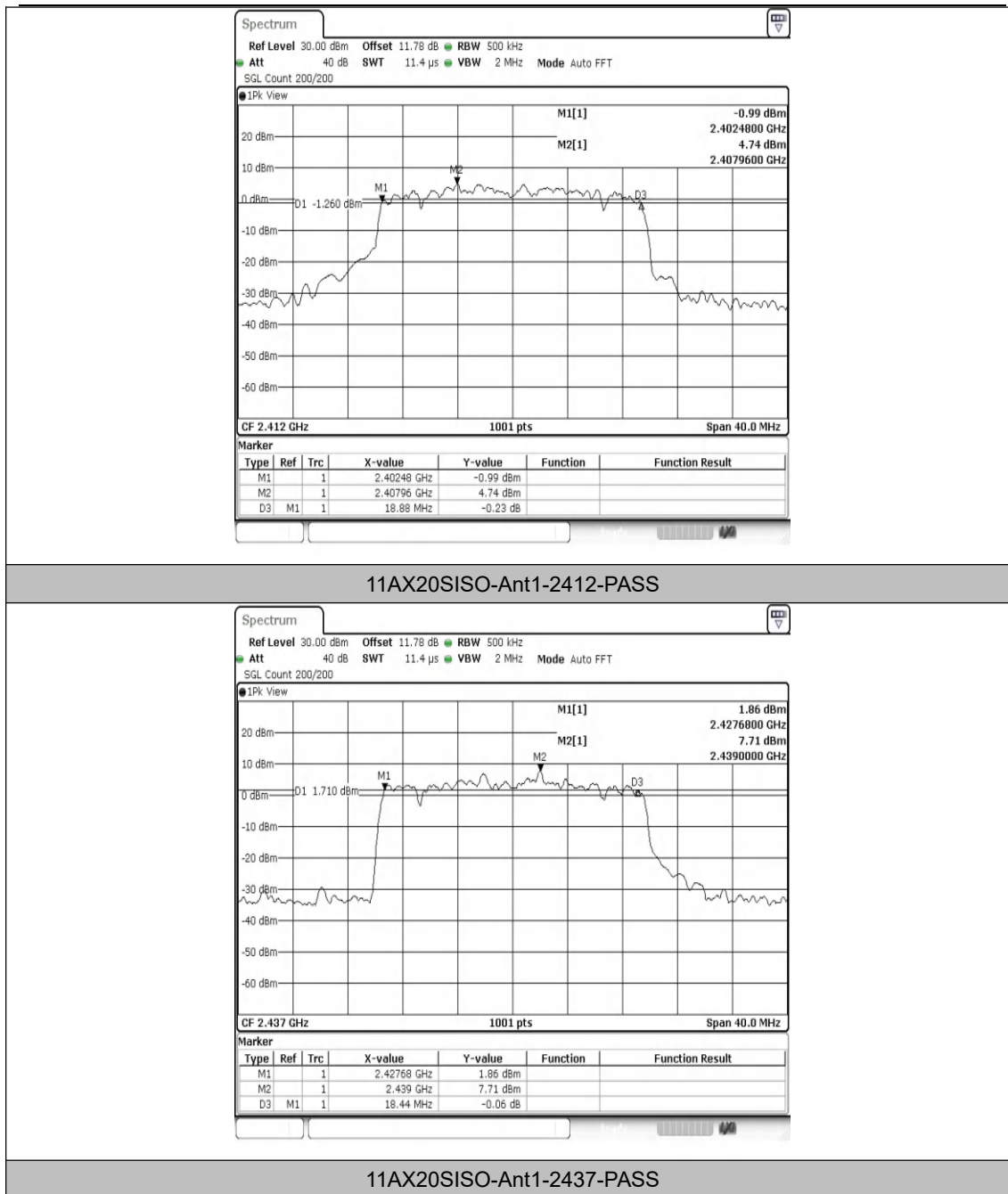
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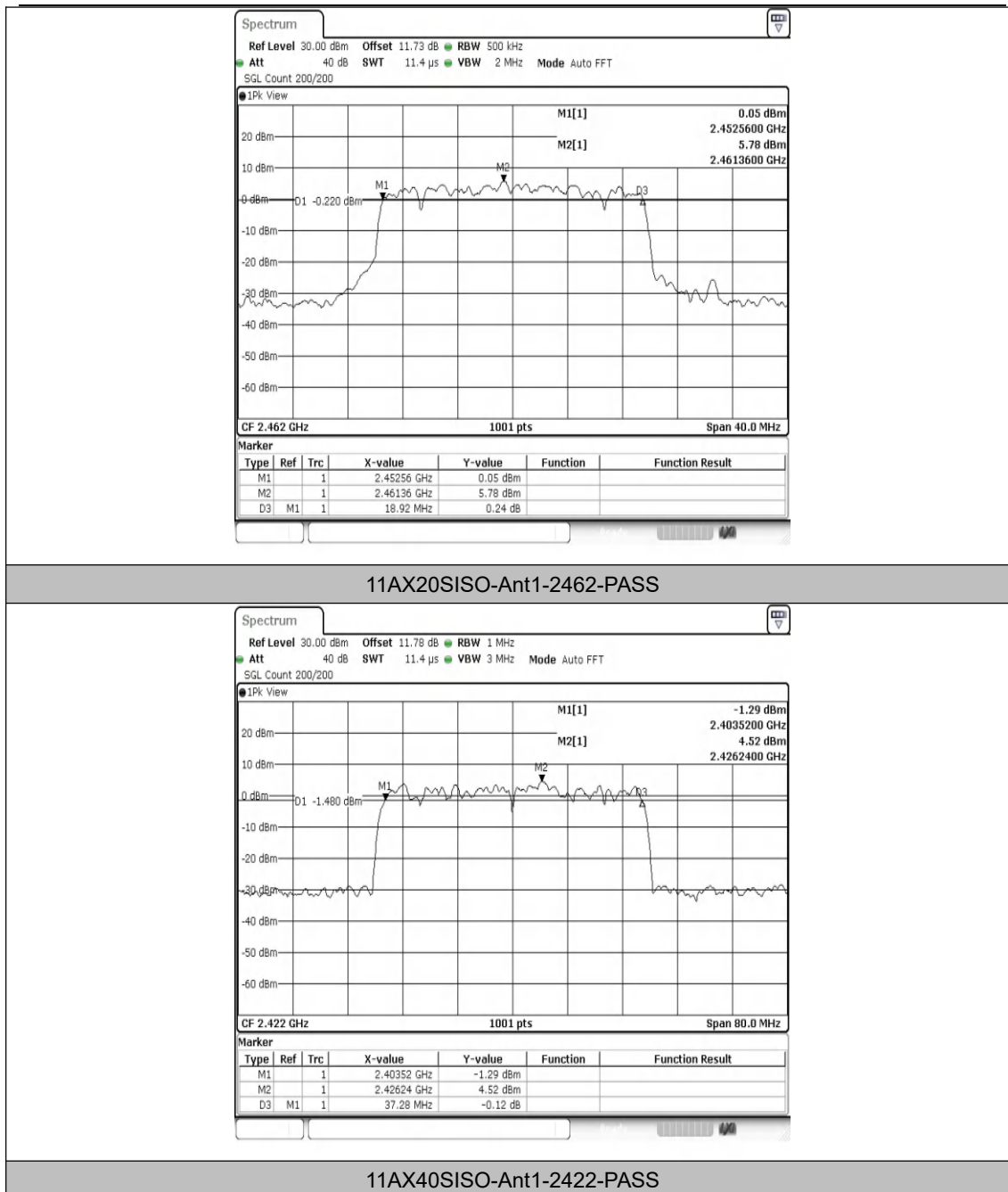
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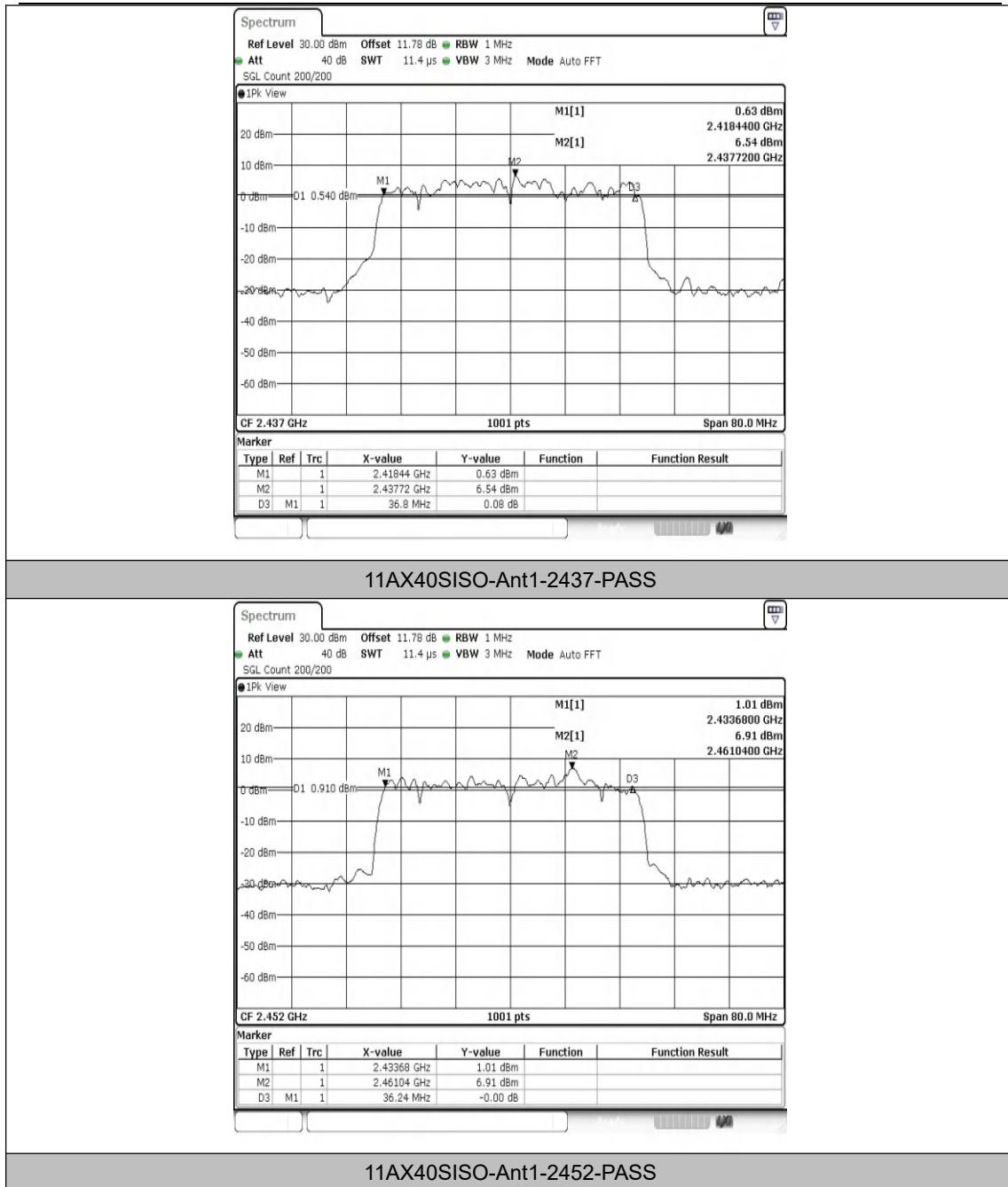










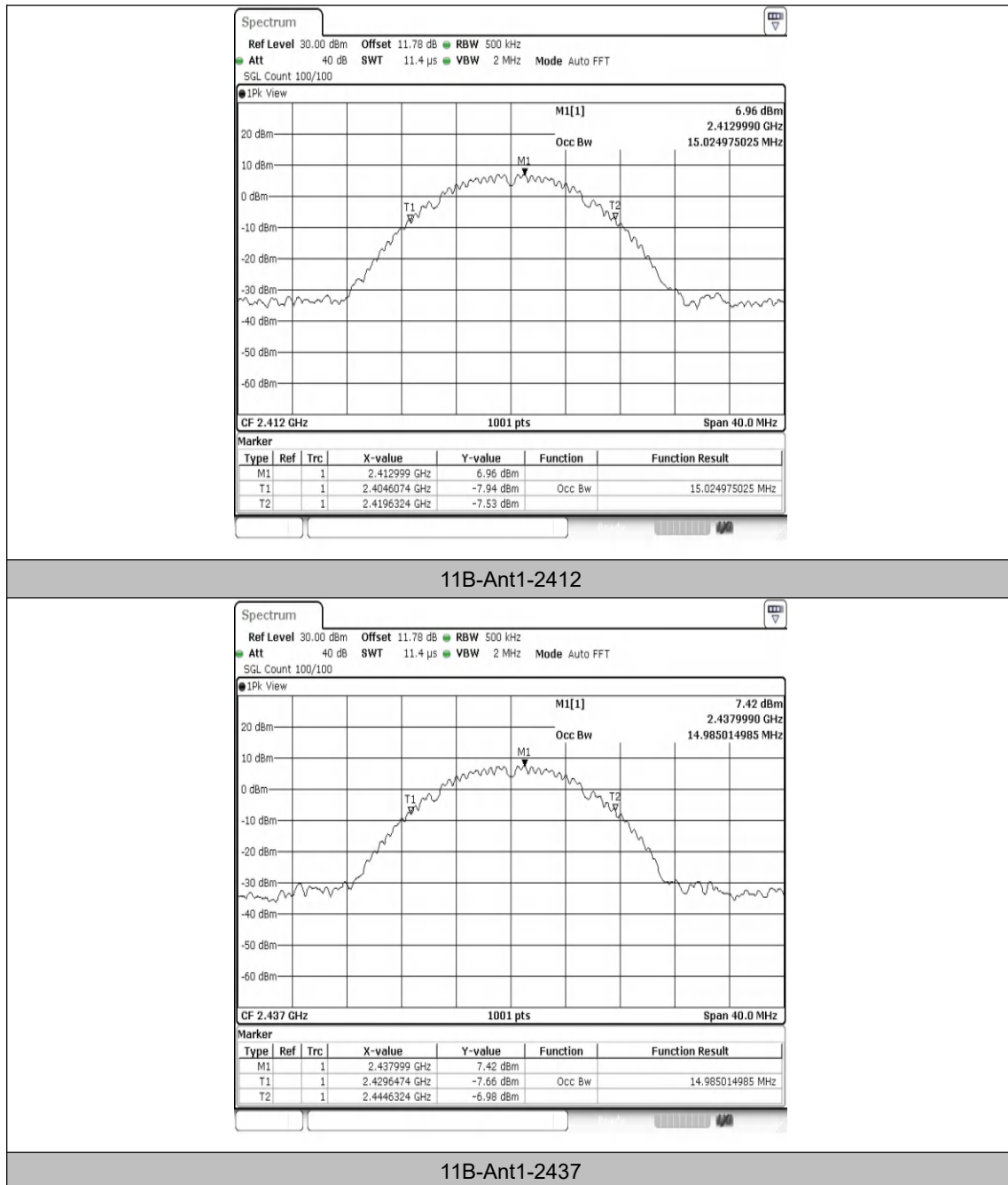


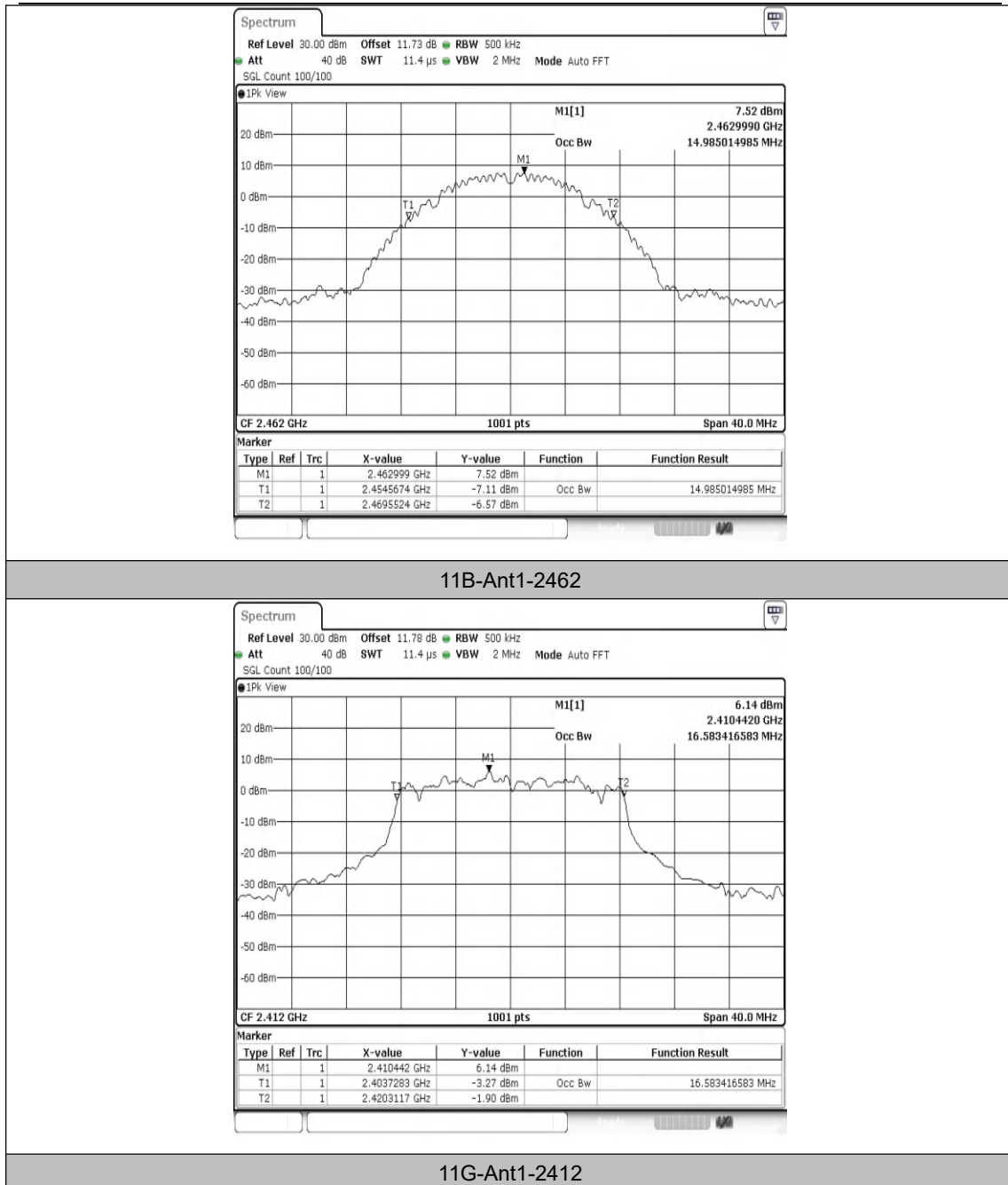
Appendix B: 99% Occupied Bandwidth

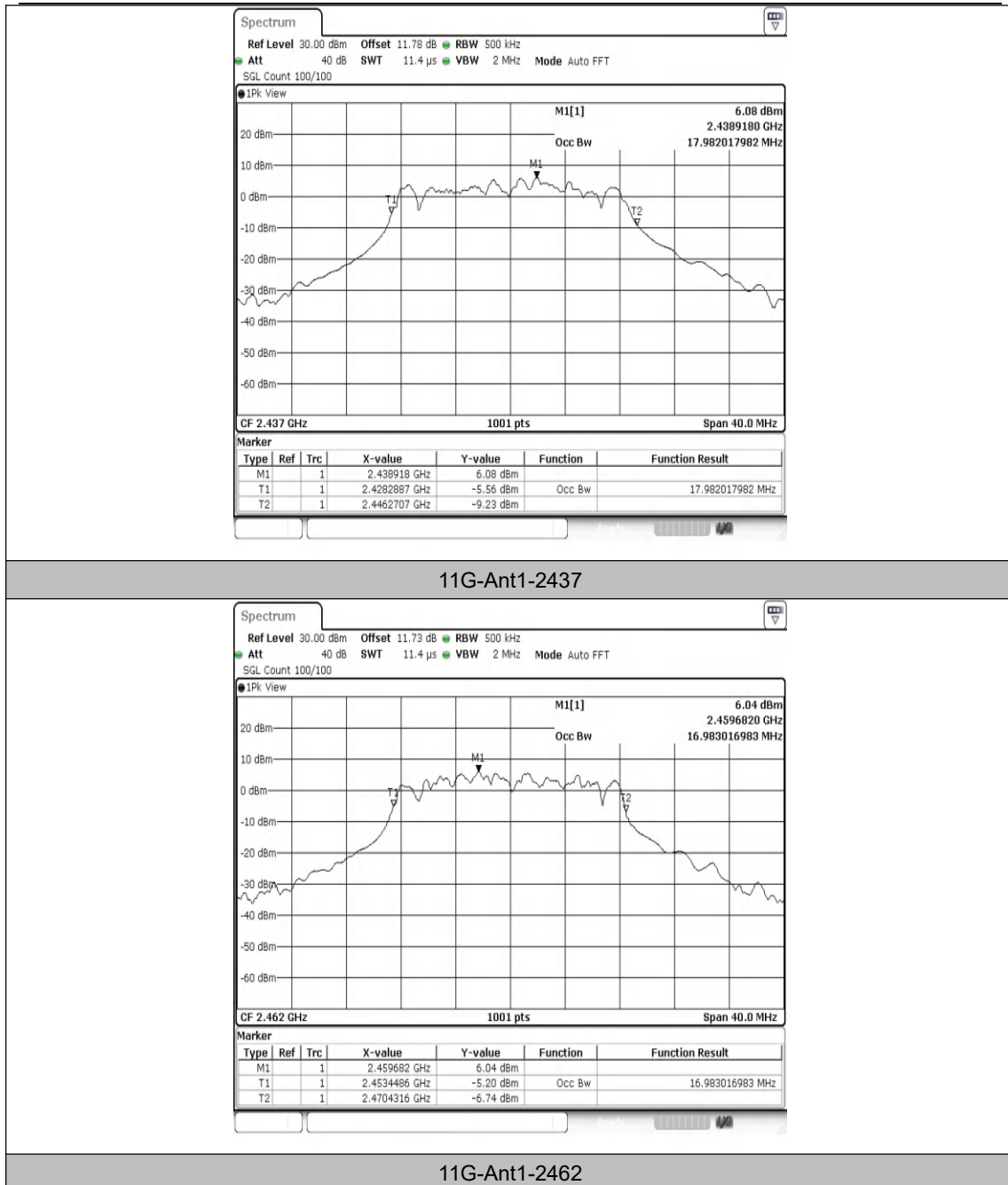
Test Result

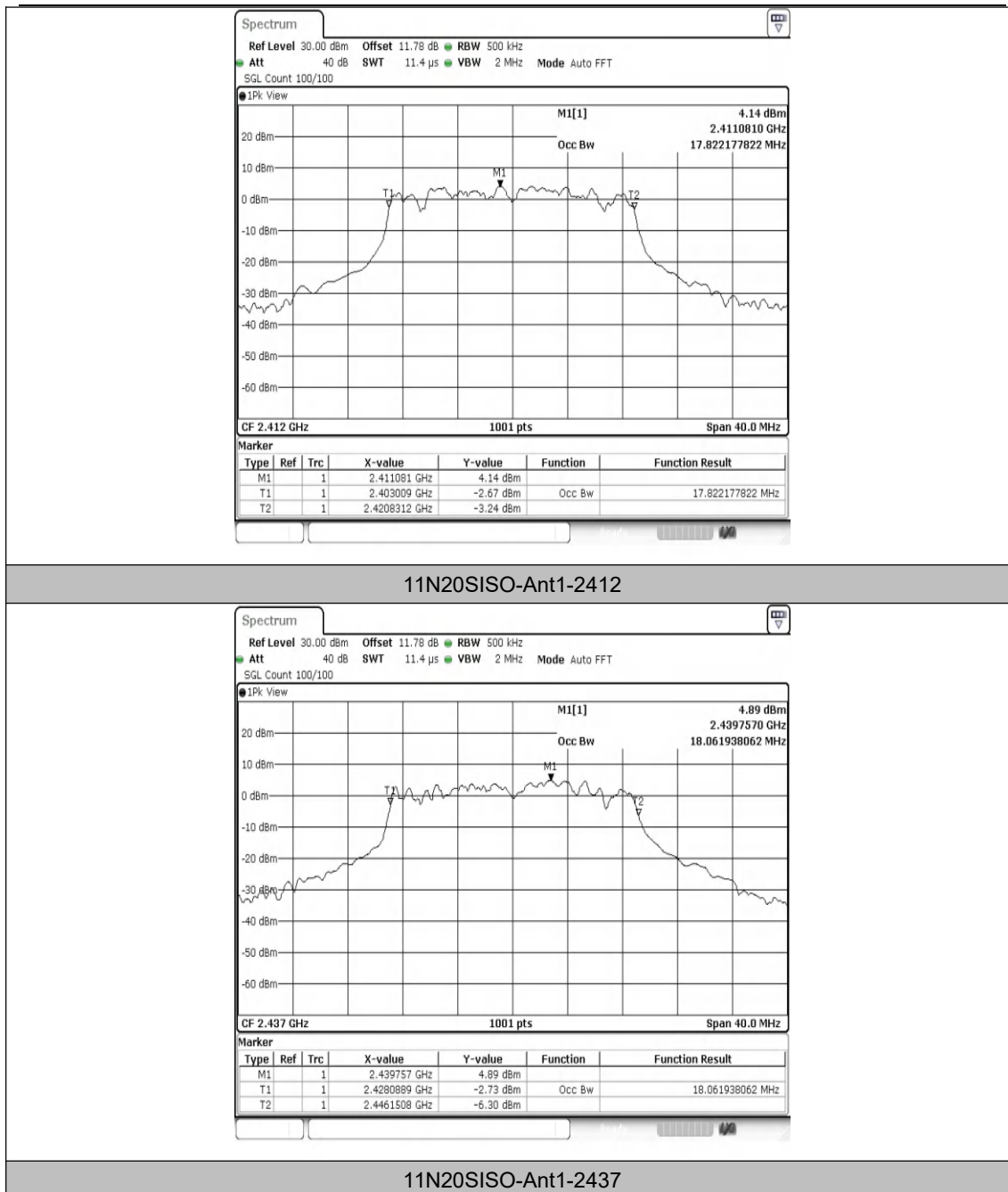
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	15.025	2404.6074	2419.6324
11B	Ant1	2437	14.985	2429.6474	2444.6324
11B	Ant1	2462	14.985	2454.5674	2469.5524
11G	Ant1	2412	16.583	2403.7283	2420.3117
11G	Ant1	2437	17.982	2428.2887	2446.2707
11G	Ant1	2462	16.983	2453.4486	2470.4316
11N20SISO	Ant1	2412	17.822	2403.0090	2420.8312
11N20SISO	Ant1	2437	18.062	2428.0889	2446.1508
11N20SISO	Ant1	2462	17.862	2453.0889	2470.9510
11N40SISO	Ant1	2422	35.564	2403.8581	2439.4226
11N40SISO	Ant1	2437	36.364	2418.9381	2455.3017
11N40SISO	Ant1	2452	36.523	2433.6983	2470.2218
11AX20SISO	Ant1	2412	18.981	2402.5295	2421.5105
11AX20SISO	Ant1	2437	18.981	2427.5295	2446.5105
11AX20SISO	Ant1	2462	18.941	2452.5295	2471.4705
11AX40SISO	Ant1	2422	37.802	2403.1389	2440.9411
11AX40SISO	Ant1	2437	37.562	2418.2188	2455.7812
11AX40SISO	Ant1	2452	38.042	2432.9790	2471.0210

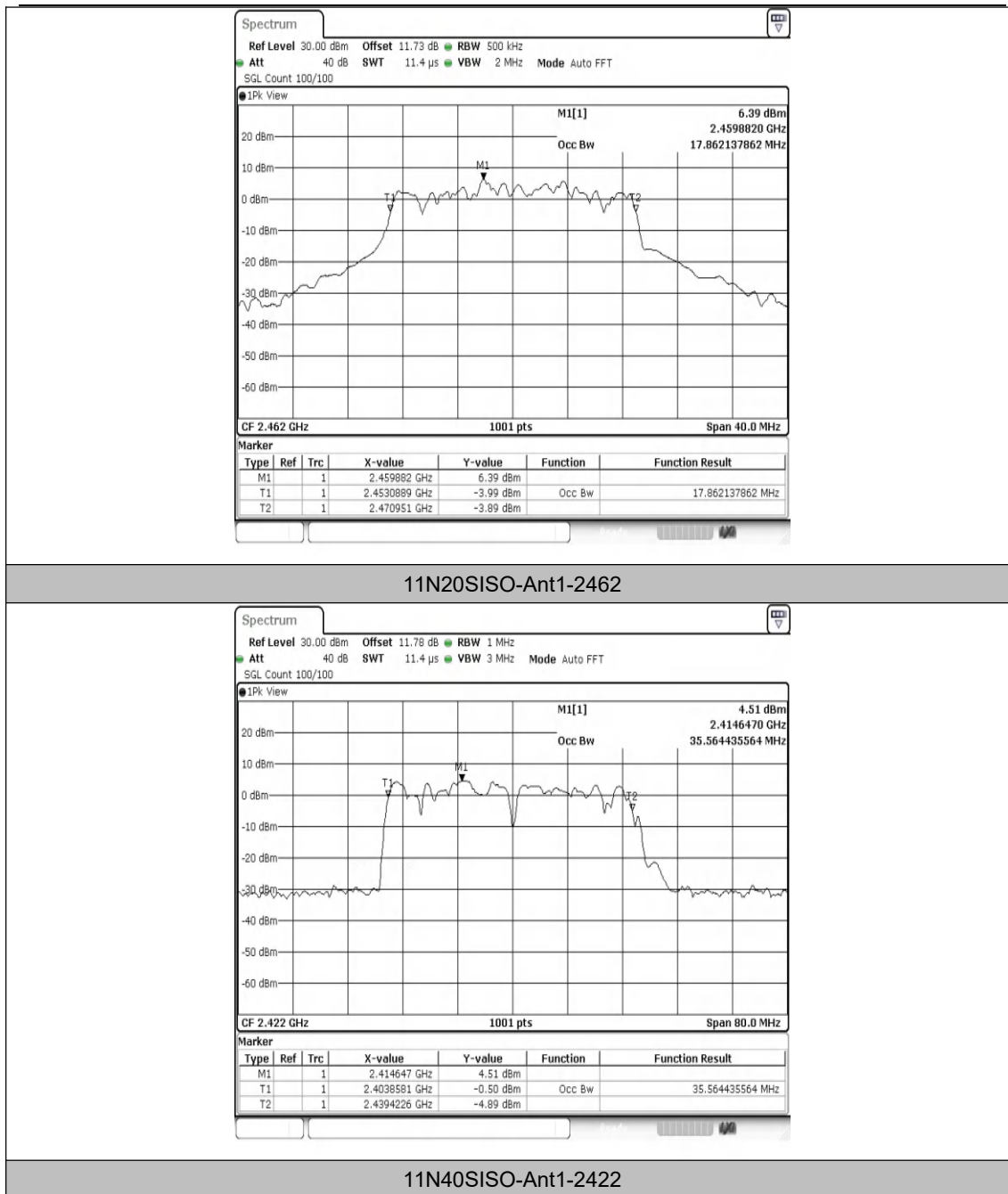
Test Graphs

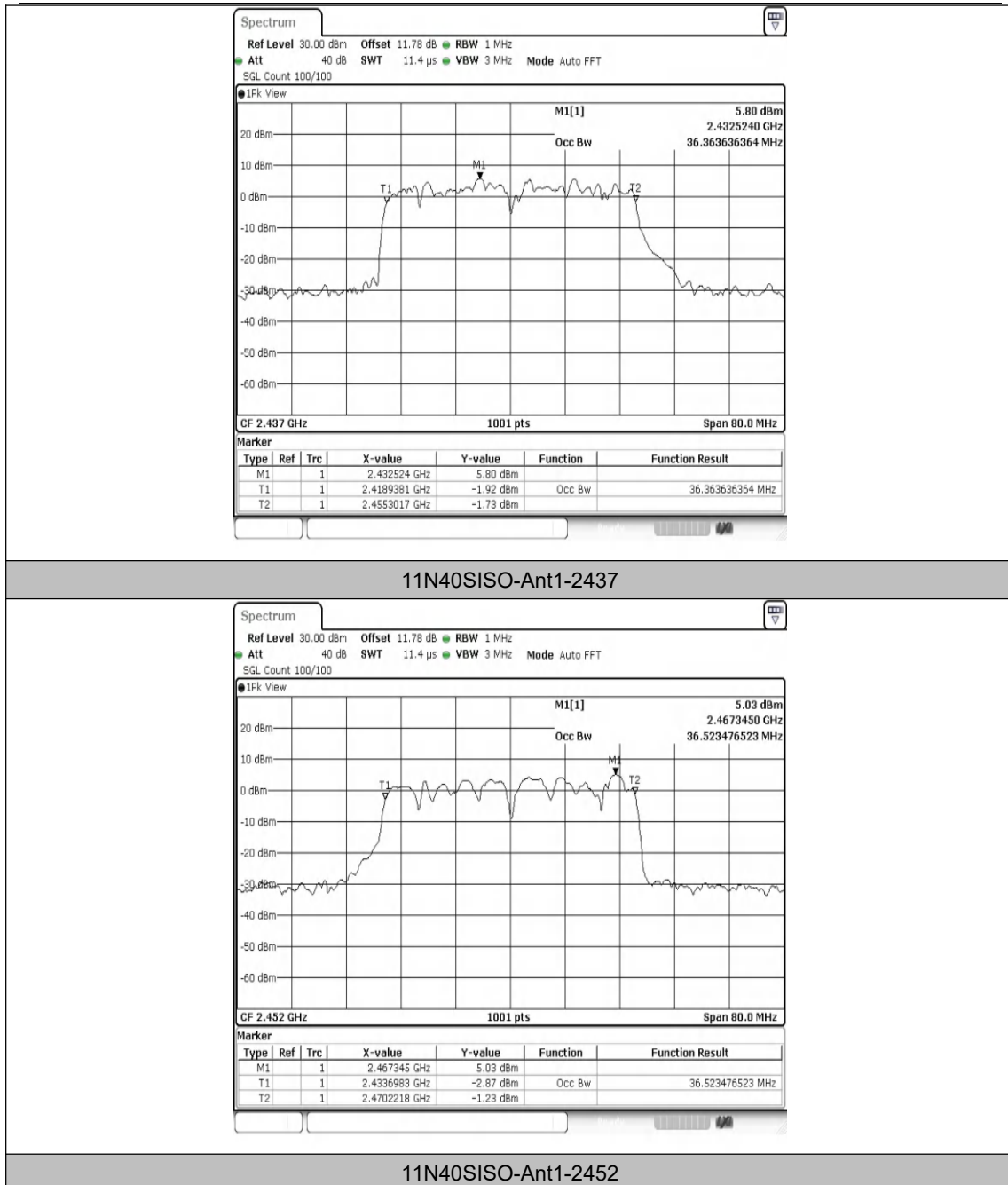


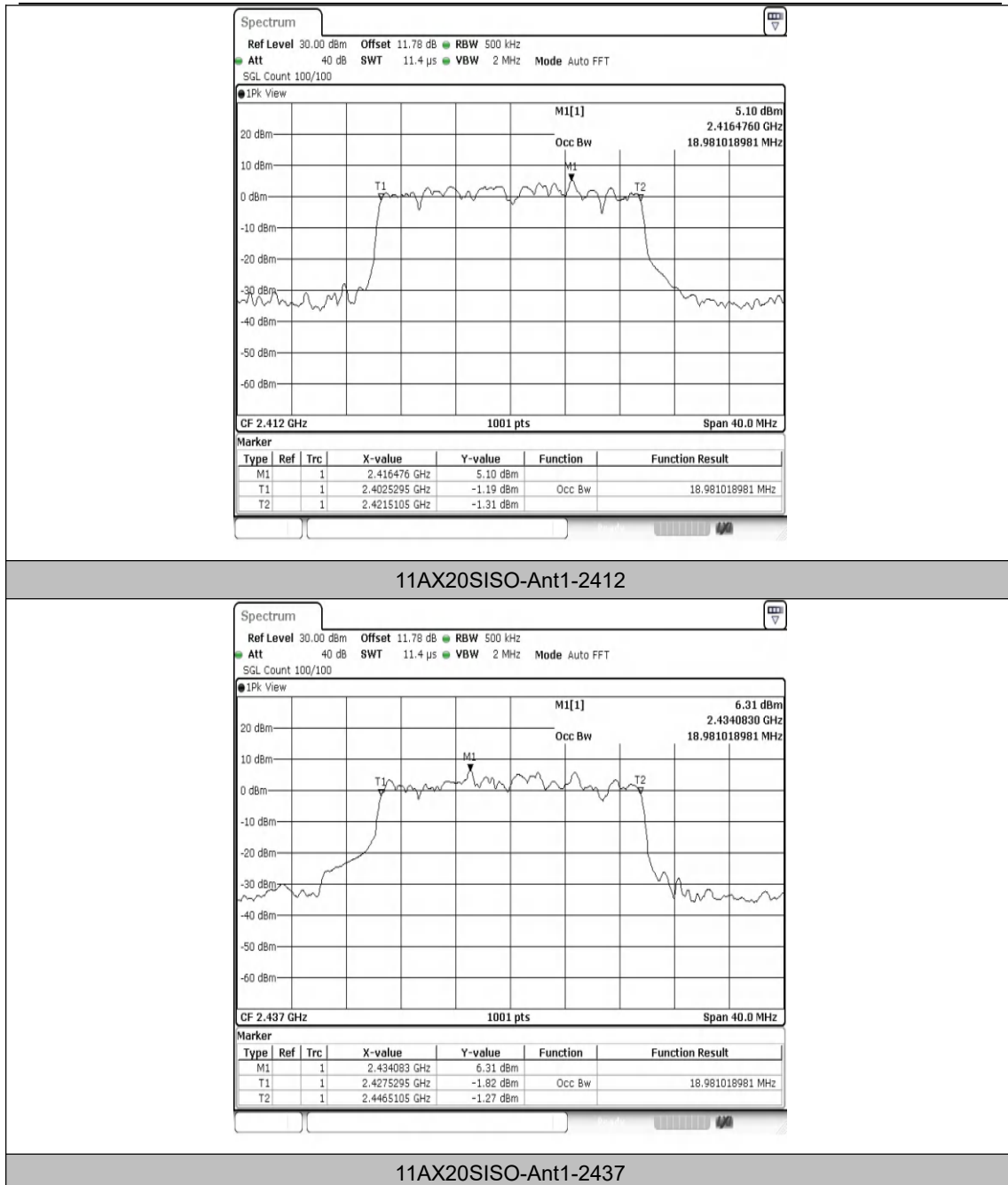








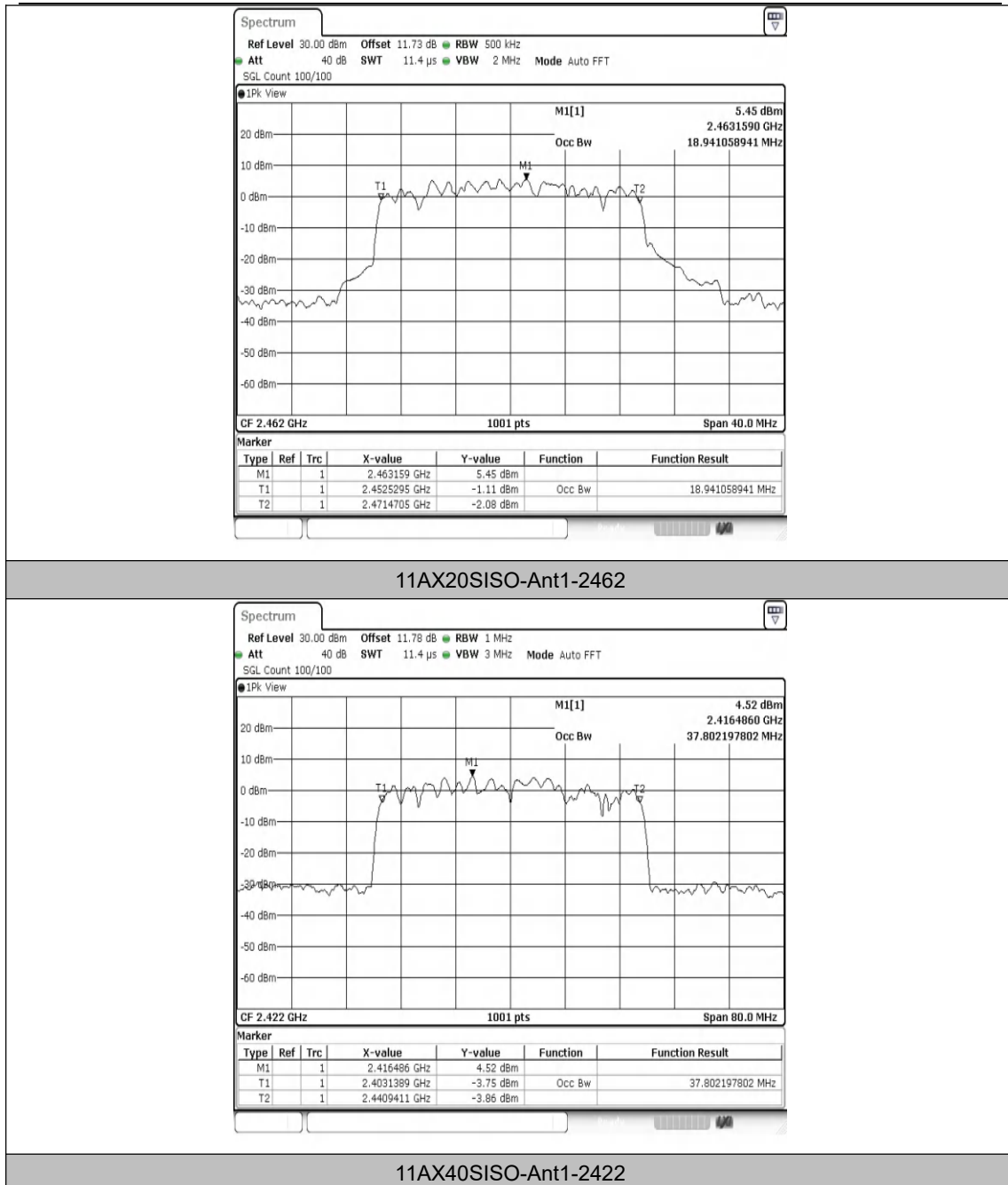


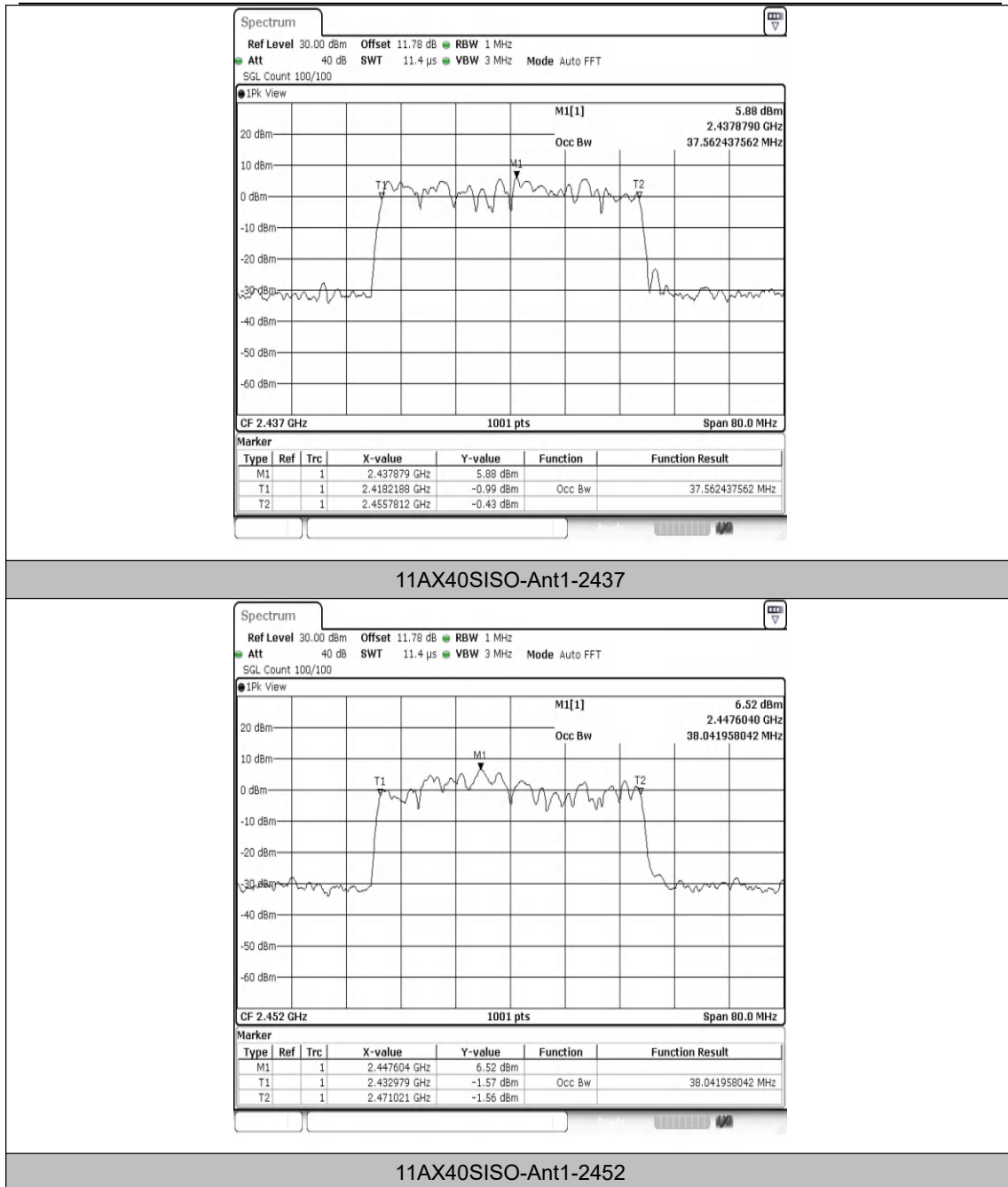


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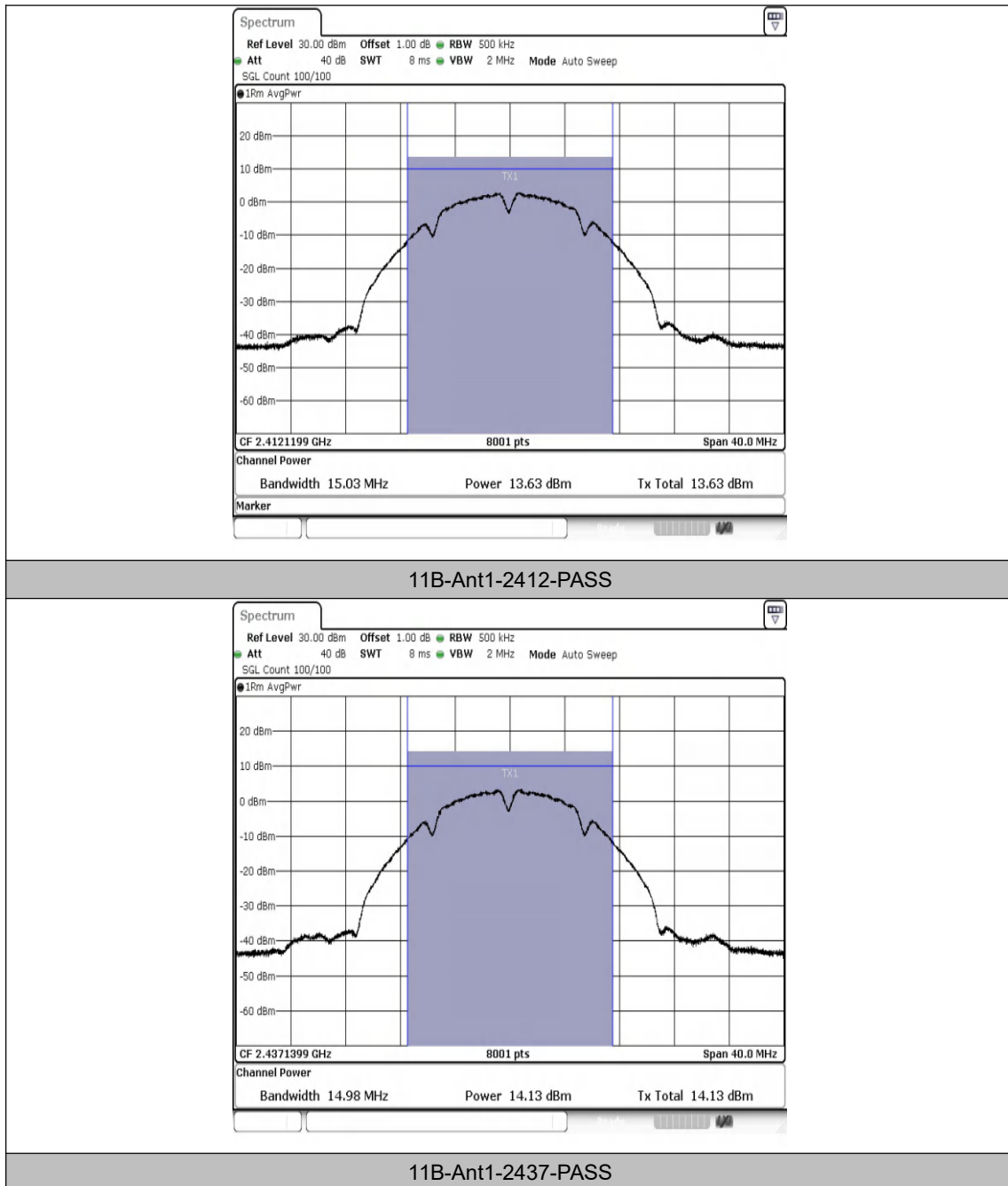
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.63	98.79	0.05	13.68	≤30.00	PASS
11B	Ant1	2437	14.13	98.71	0.06	14.19	≤30.00	PASS
11B	Ant1	2462	12.42	97.99	0.09	12.51	≤30.00	PASS
11G	Ant1	2412	12.94	92.31	0.35	13.29	≤30.00	PASS
11G	Ant1	2437	13.93	91.82	0.37	14.30	≤30.00	PASS
11G	Ant1	2462	13.11	90.22	0.45	13.56	≤30.00	PASS
11N20SISO	Ant1	2412	12.63	89.15	0.50	13.13	≤30.00	PASS
11N20SISO	Ant1	2437	13.83	88.73	0.52	14.35	≤30.00	PASS
11N20SISO	Ant1	2462	13.10	89.20	0.50	13.60	≤30.00	PASS
11N40SISO	Ant1	2422	12.04	86.36	0.64	12.68	≤30.00	PASS
11N40SISO	Ant1	2437	13.30	79.49	1.00	14.30	≤30.00	PASS
11N40SISO	Ant1	2452	13.04	81.20	0.90	13.94	≤30.00	PASS
11AX20SISO	Ant1	2412	12.37	89.09	0.50	12.87	≤30.00	PASS
11AX20SISO	Ant1	2437	13.61	88.48	0.53	14.14	≤30.00	PASS
11AX20SISO	Ant1	2462	12.77	85.88	0.66	13.43	≤30.00	PASS
11AX40SISO	Ant1	2422	11.82	75.76	1.21	13.03	≤30.00	PASS
11AX40SISO	Ant1	2437	13.14	77.32	1.12	14.26	≤30.00	PASS
11AX40SISO	Ant1	2452	12.96	75.76	1.21	14.17	≤30.00	PASS

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

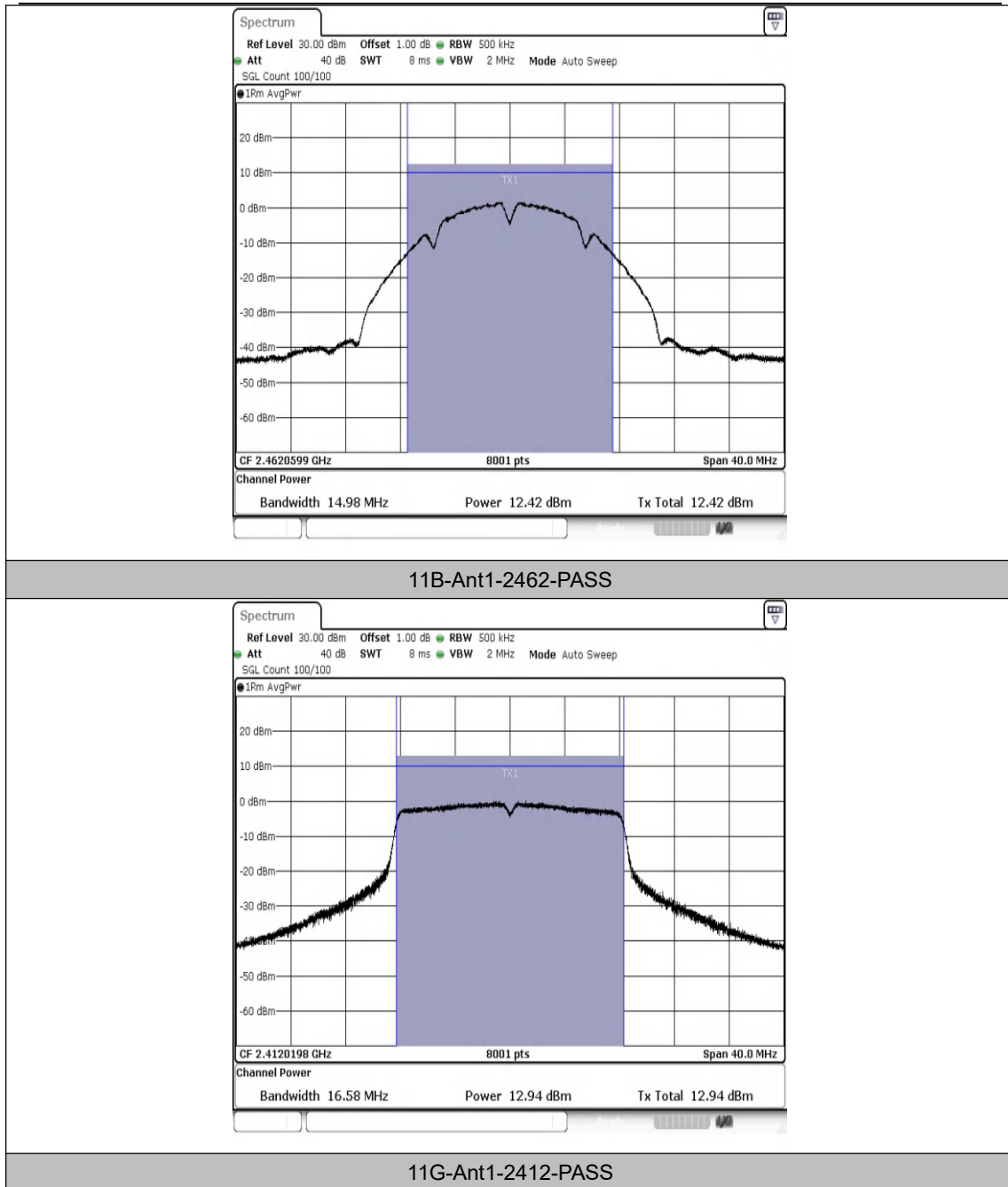
Test Graphs Average



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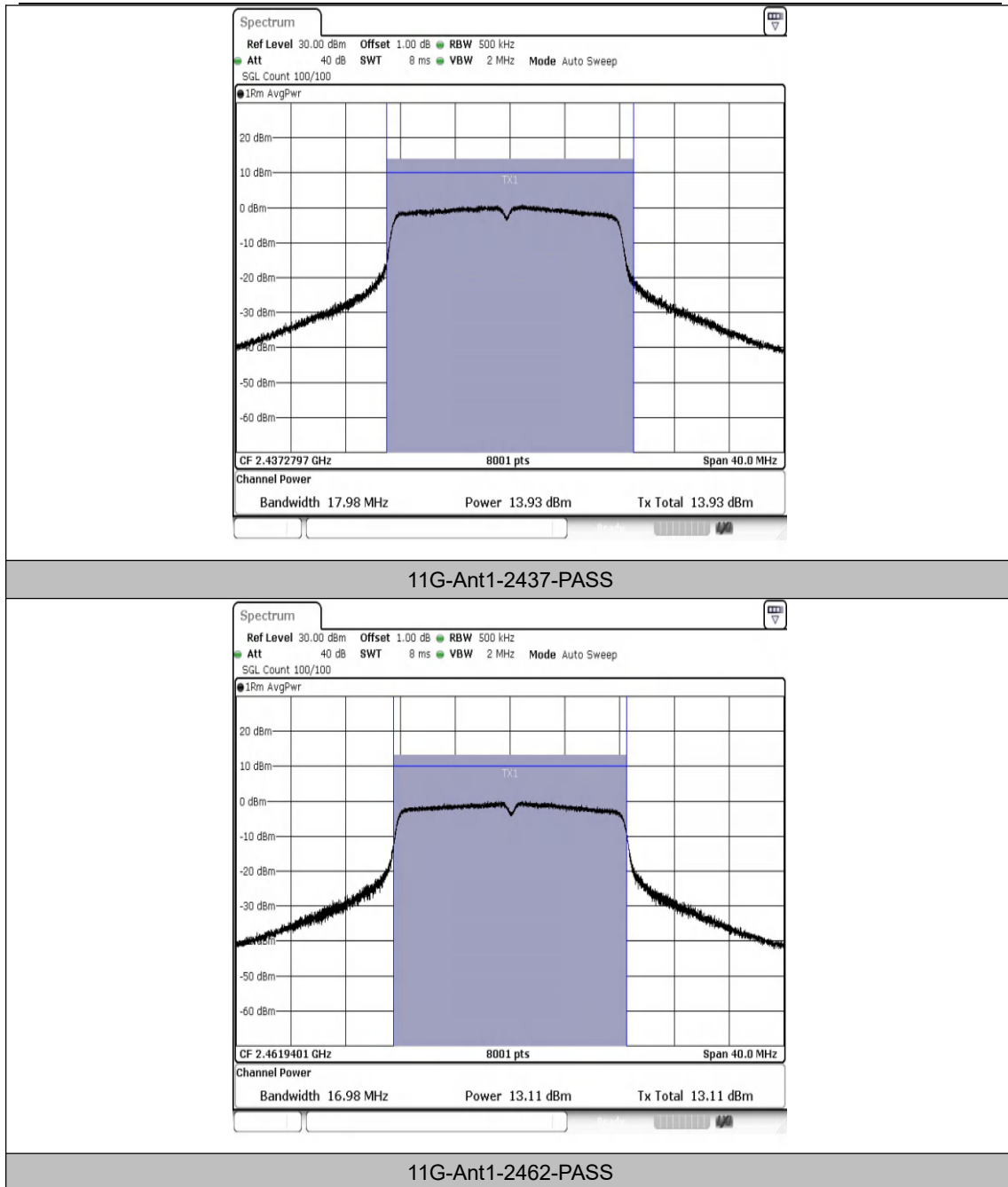
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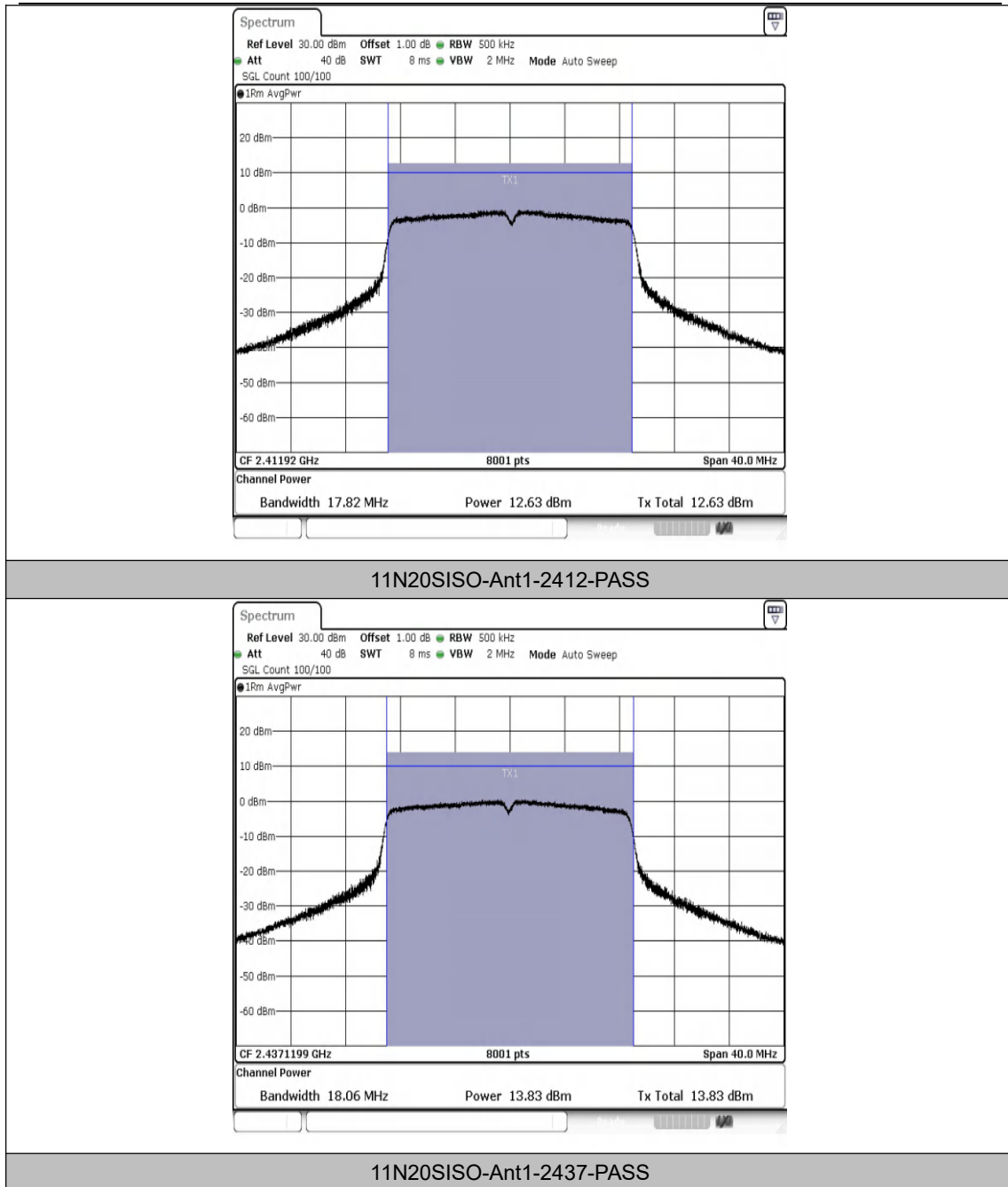
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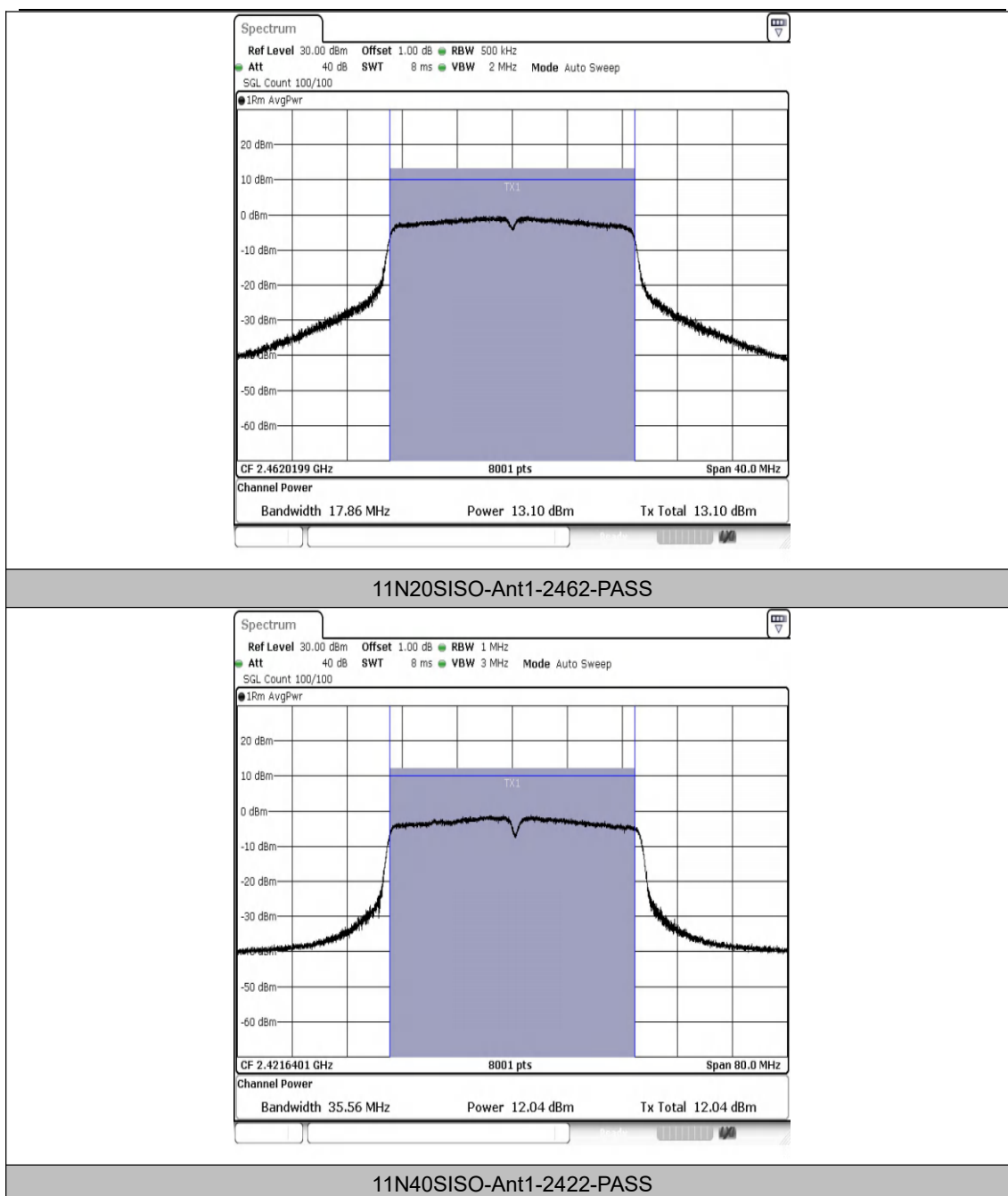
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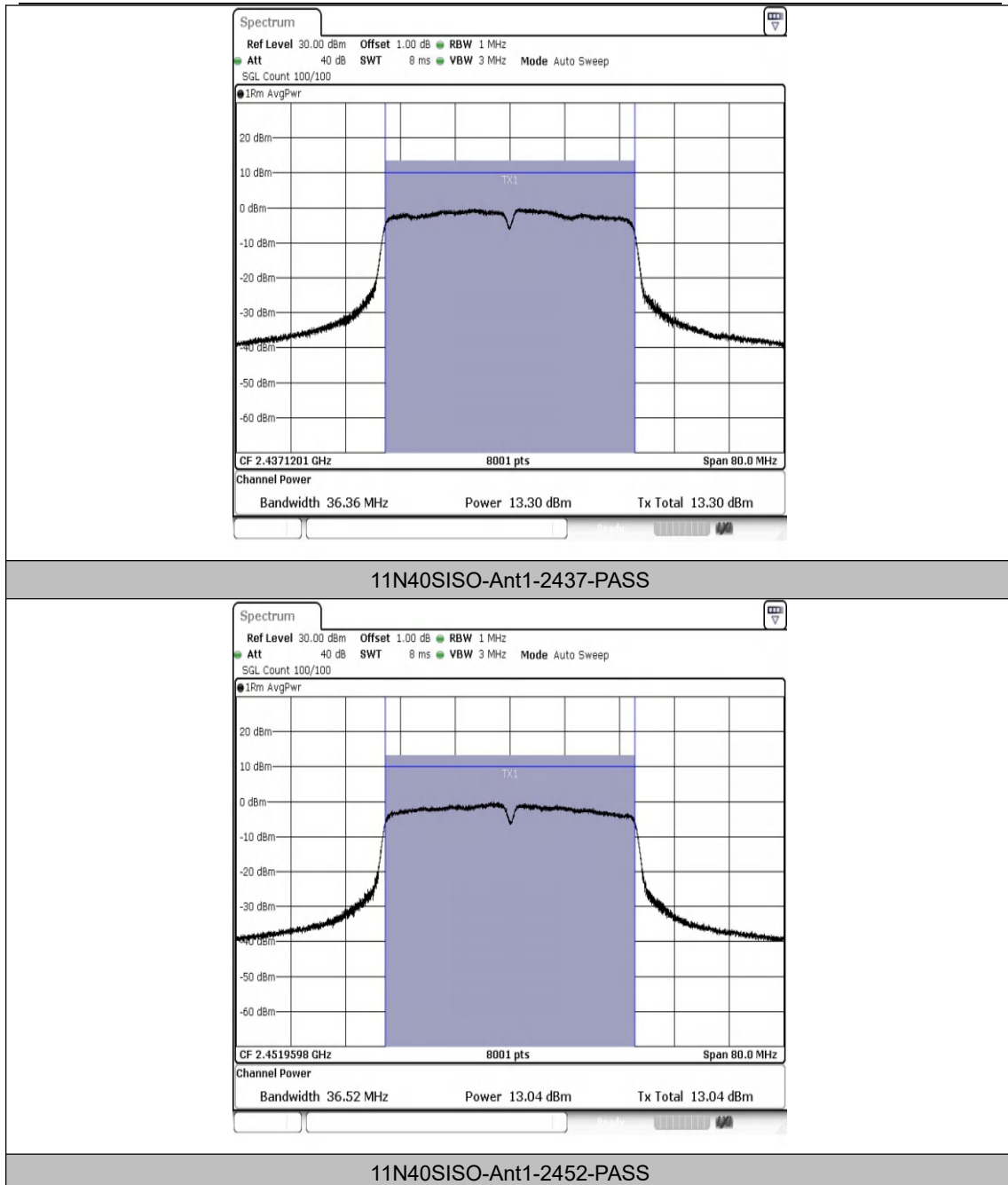


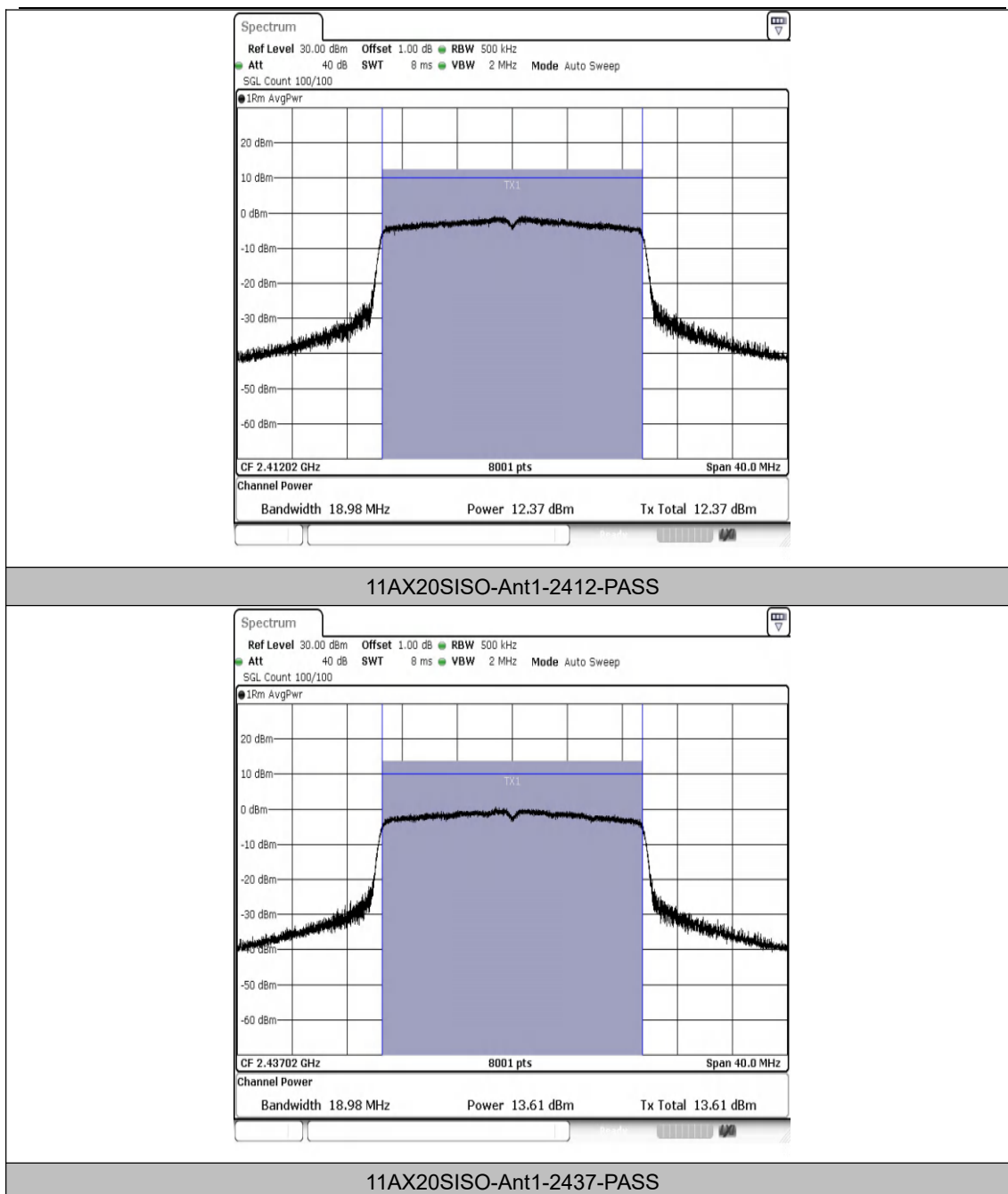
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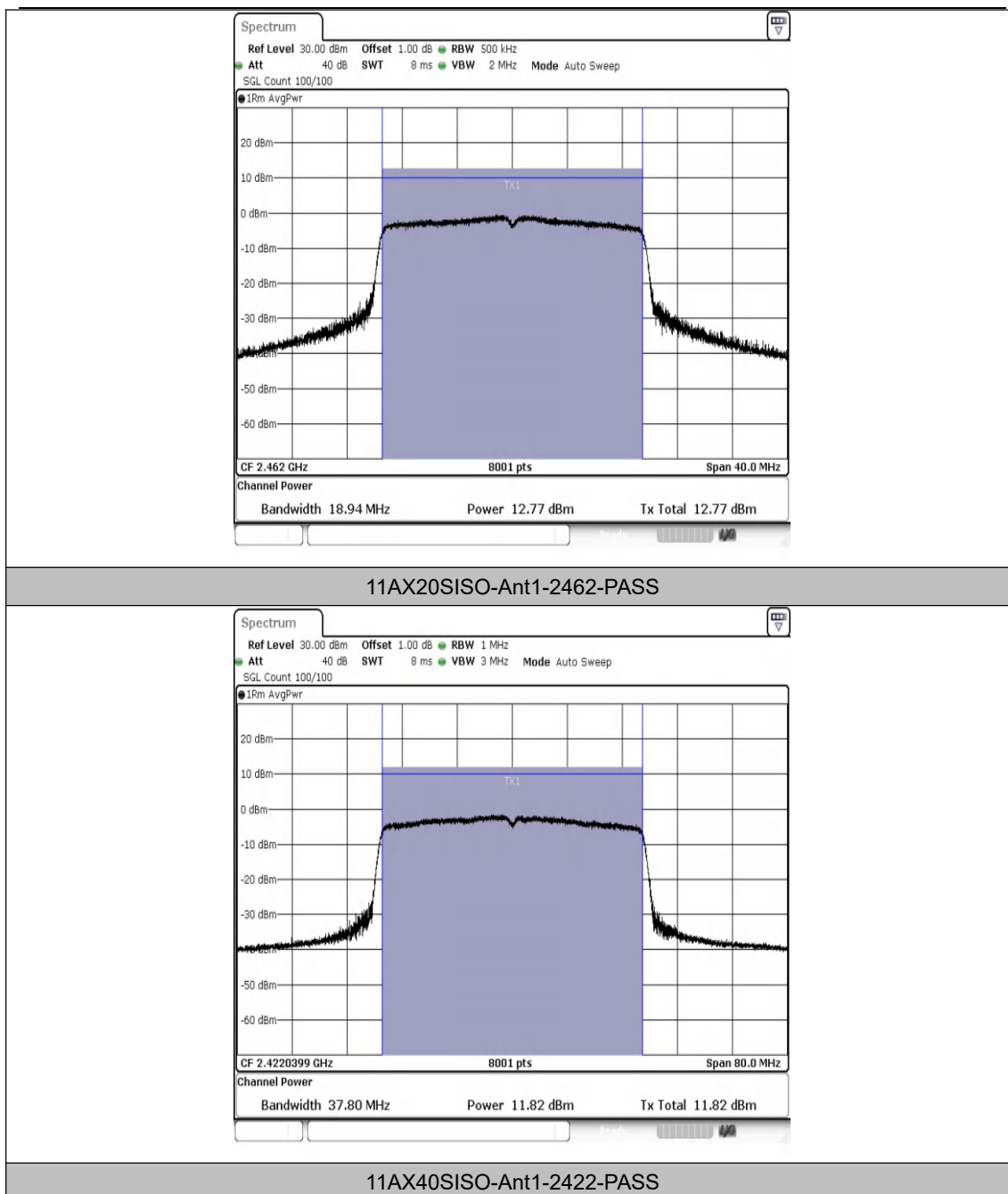
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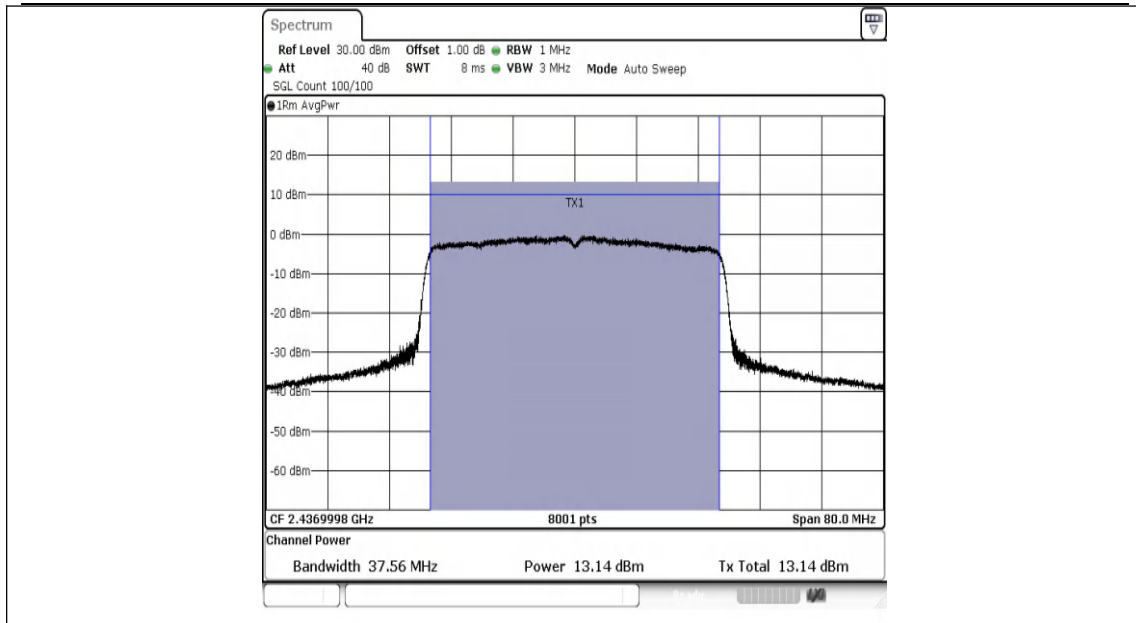
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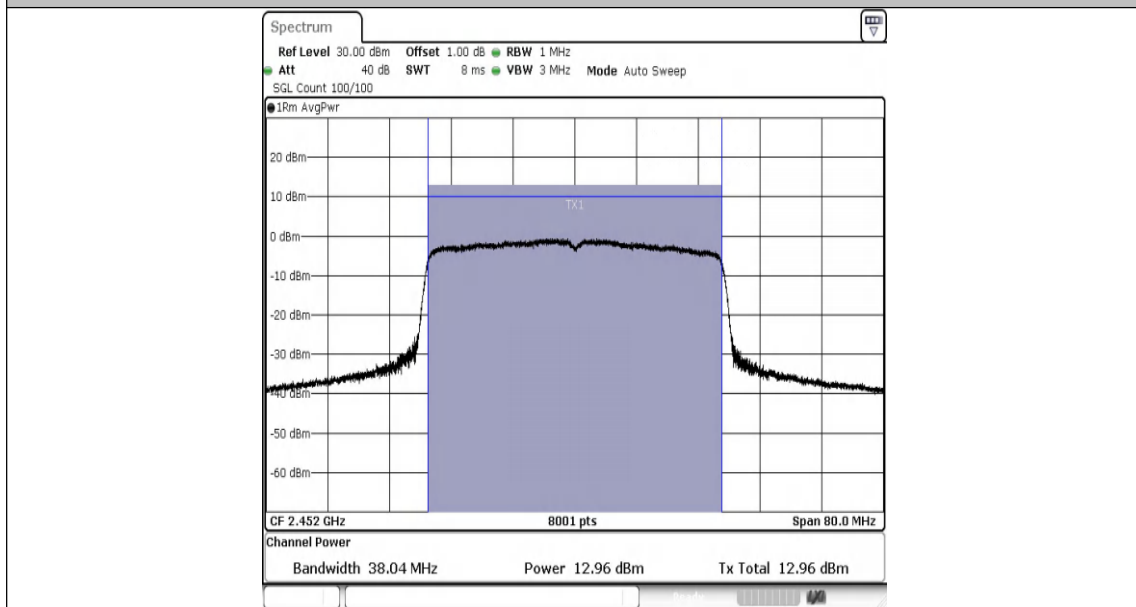








11AX40SISO-Ant1-2437-PASS



11AX40SISO-Ant1-2452-PASS

Appendix D: Maximum power spectral density

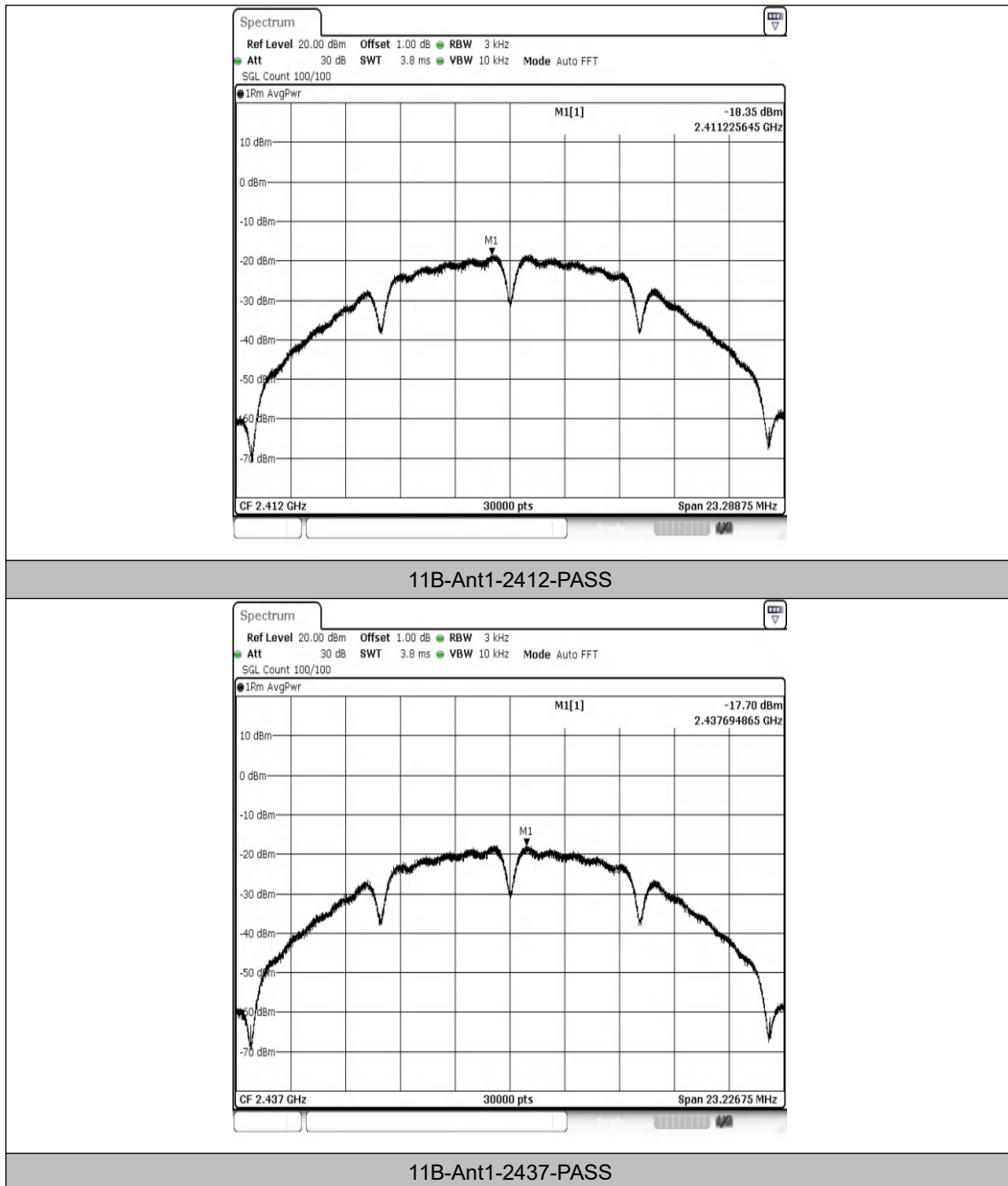
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-18.35	0.05	-18.30	≤8.00	PASS
11B	Ant1	2437	-17.7	0.06	-17.64	≤8.00	PASS
11B	Ant1	2462	-19.18	0.09	-19.09	≤8.00	PASS
11G	Ant1	2412	-20.47	0.35	-20.12	≤8.00	PASS
11G	Ant1	2437	-19.83	0.37	-19.46	≤8.00	PASS
11G	Ant1	2462	-20.28	0.45	-19.83	≤8.00	PASS
11N20SISO	Ant1	2412	-20.41	0.50	-19.91	≤8.00	PASS
11N20SISO	Ant1	2437	-20.01	0.52	-19.49	≤8.00	PASS
11N20SISO	Ant1	2462	-20.23	0.50	-19.73	≤8.00	PASS
11N40SISO	Ant1	2422	-22.89	0.64	-22.25	≤8.00	PASS
11N40SISO	Ant1	2437	-21.8	1.00	-20.80	≤8.00	PASS
11N40SISO	Ant1	2452	-21.72	0.90	-20.82	≤8.00	PASS
11AX20SISO	Ant1	2412	-21.72	0.50	-21.22	≤8.00	PASS
11AX20SISO	Ant1	2437	-18.77	0.53	-18.24	≤8.00	PASS
11AX20SISO	Ant1	2462	-19.54	0.66	-18.88	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.59	1.21	-20.38	≤8.00	PASS
11AX40SISO	Ant1	2437	-21.08	1.12	-19.96	≤8.00	PASS
11AX40SISO	Ant1	2452	-21.87	1.21	-20.66	≤8.00	PASS

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



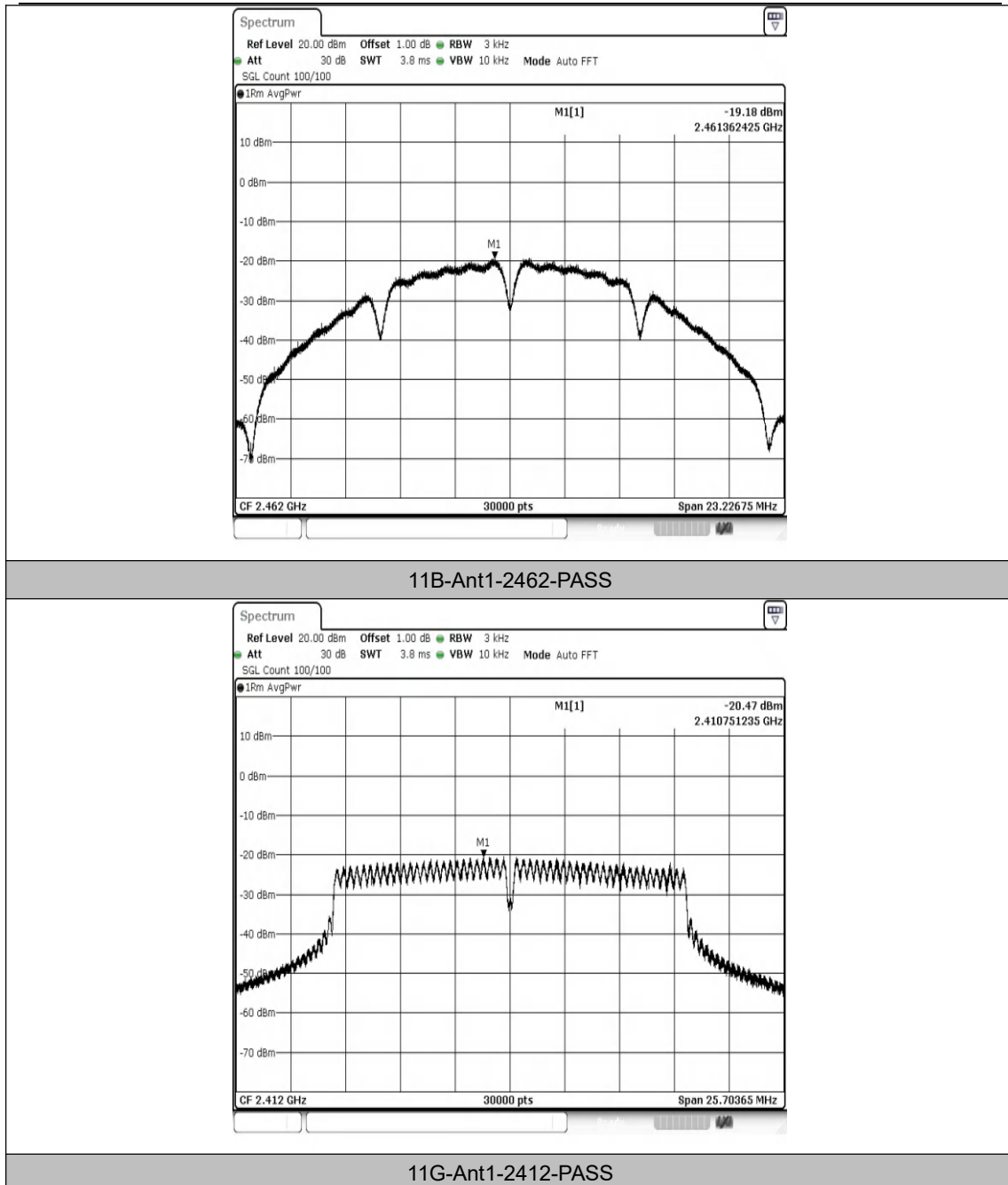
Test Graphs

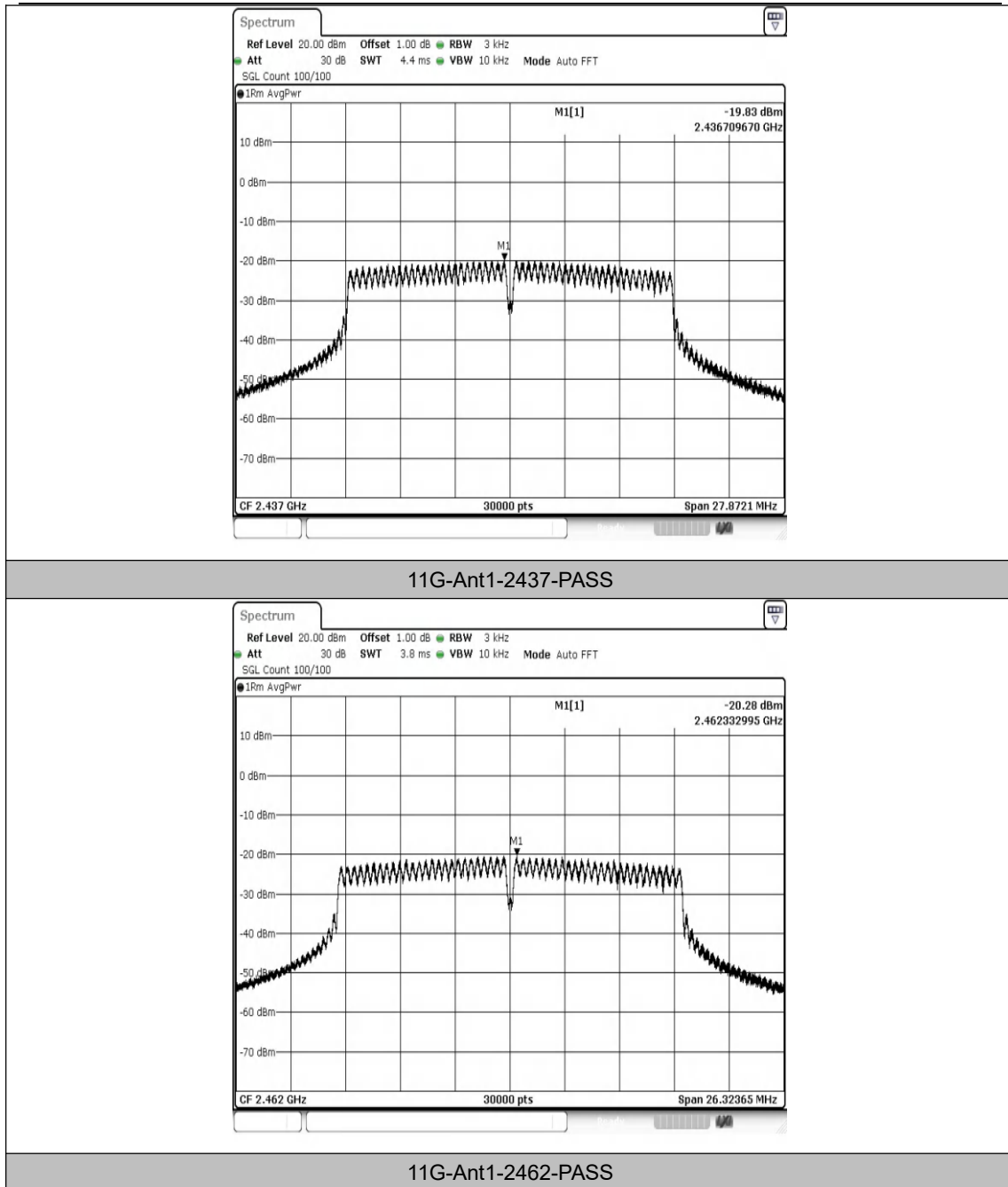


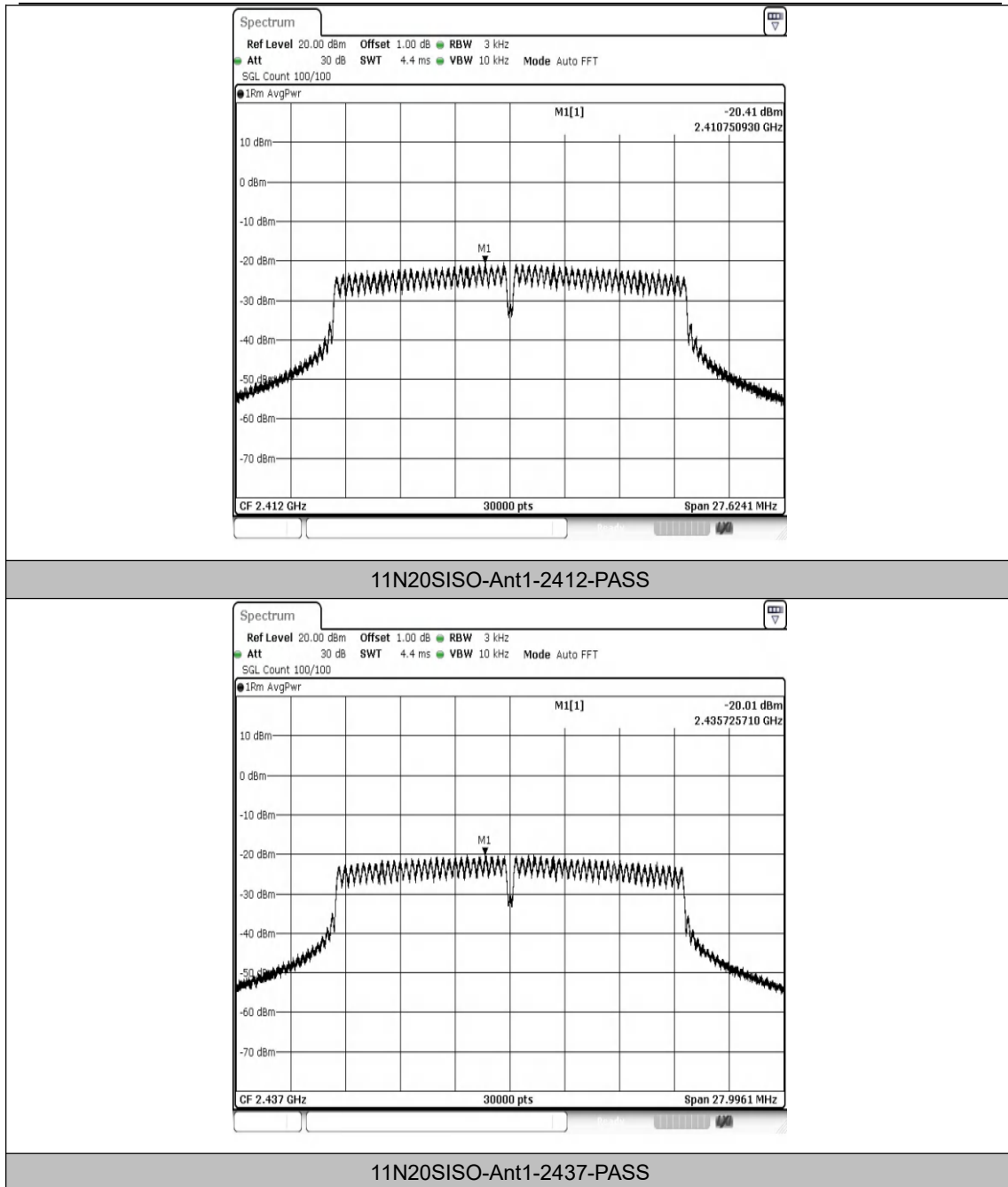
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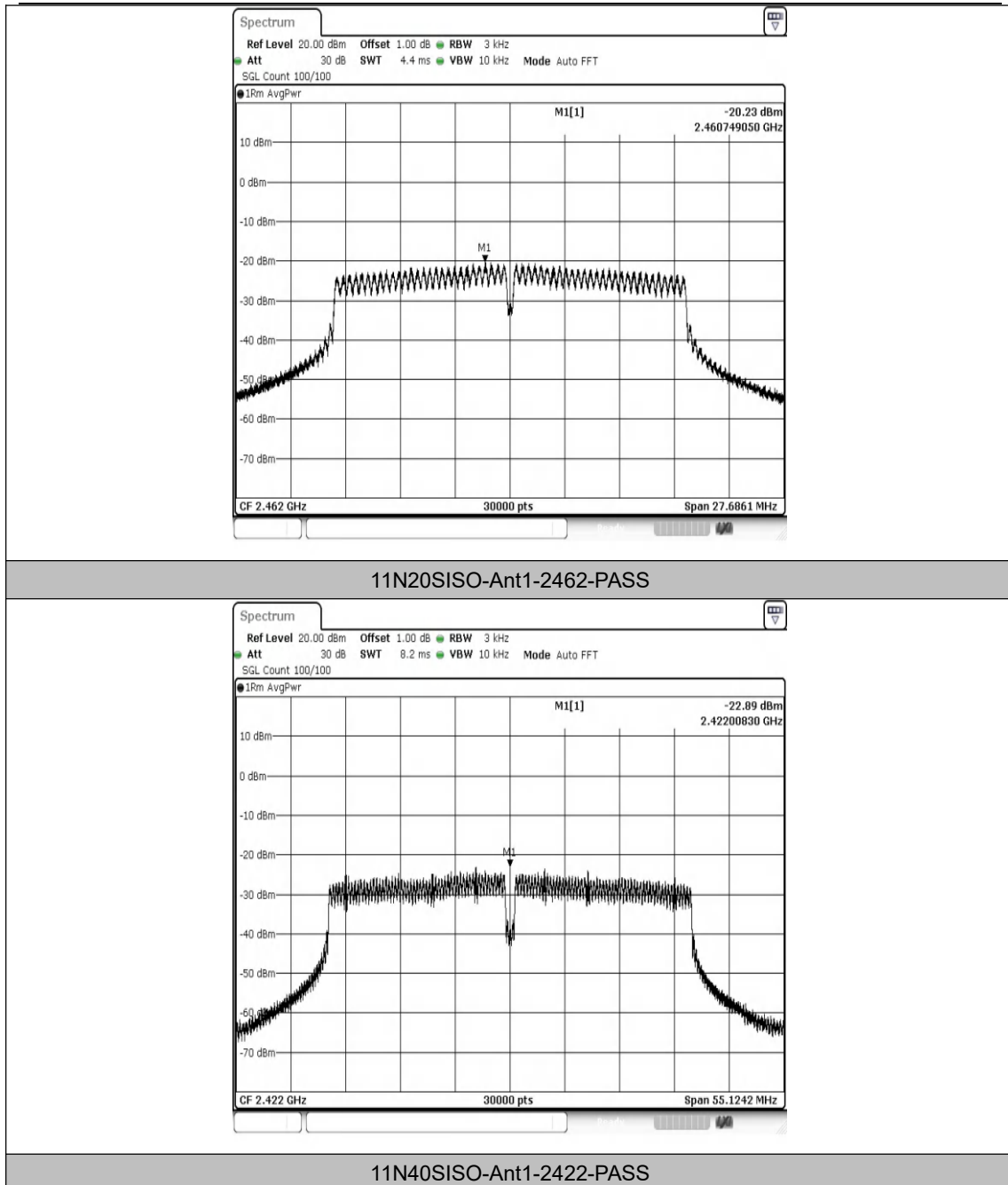




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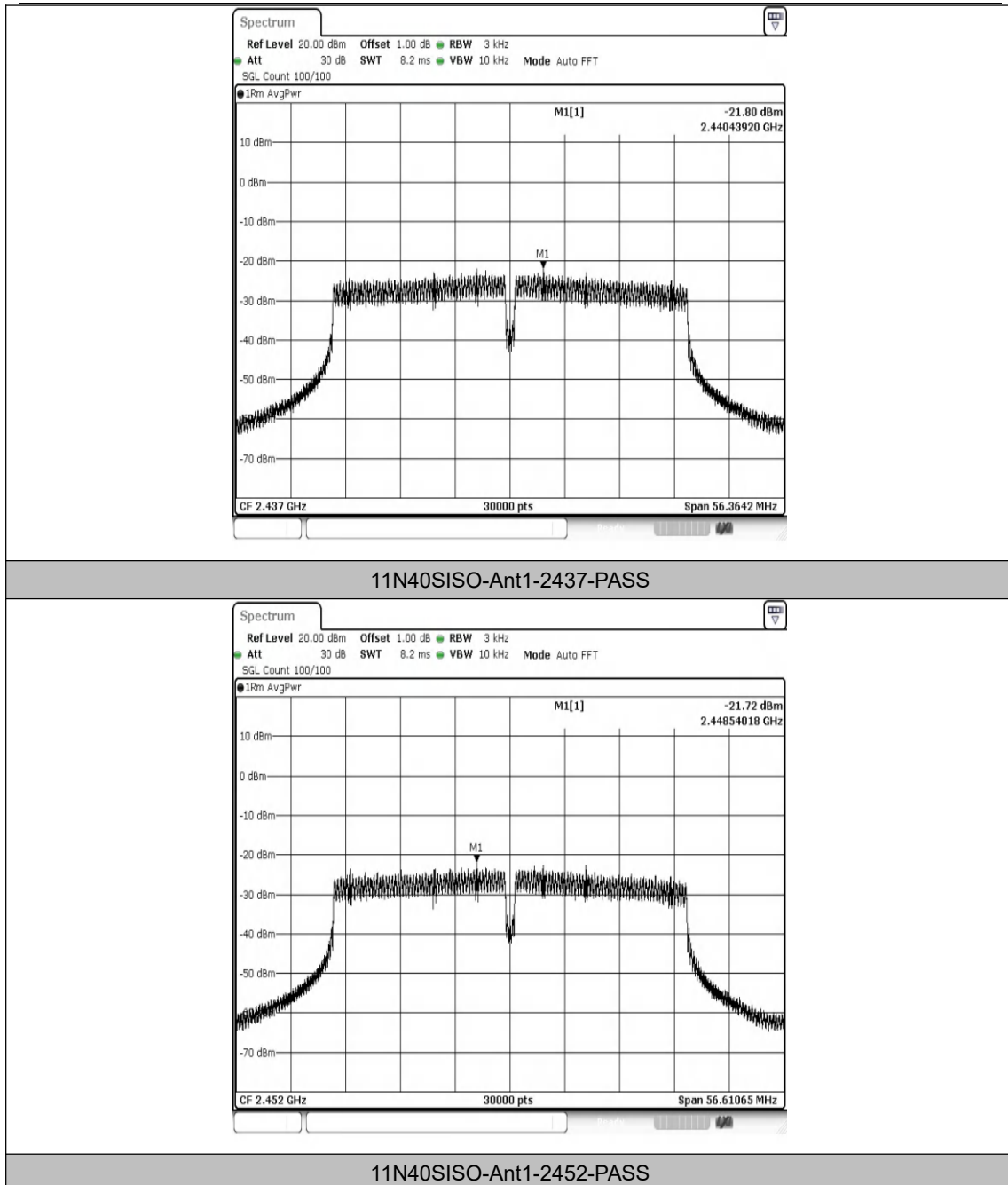
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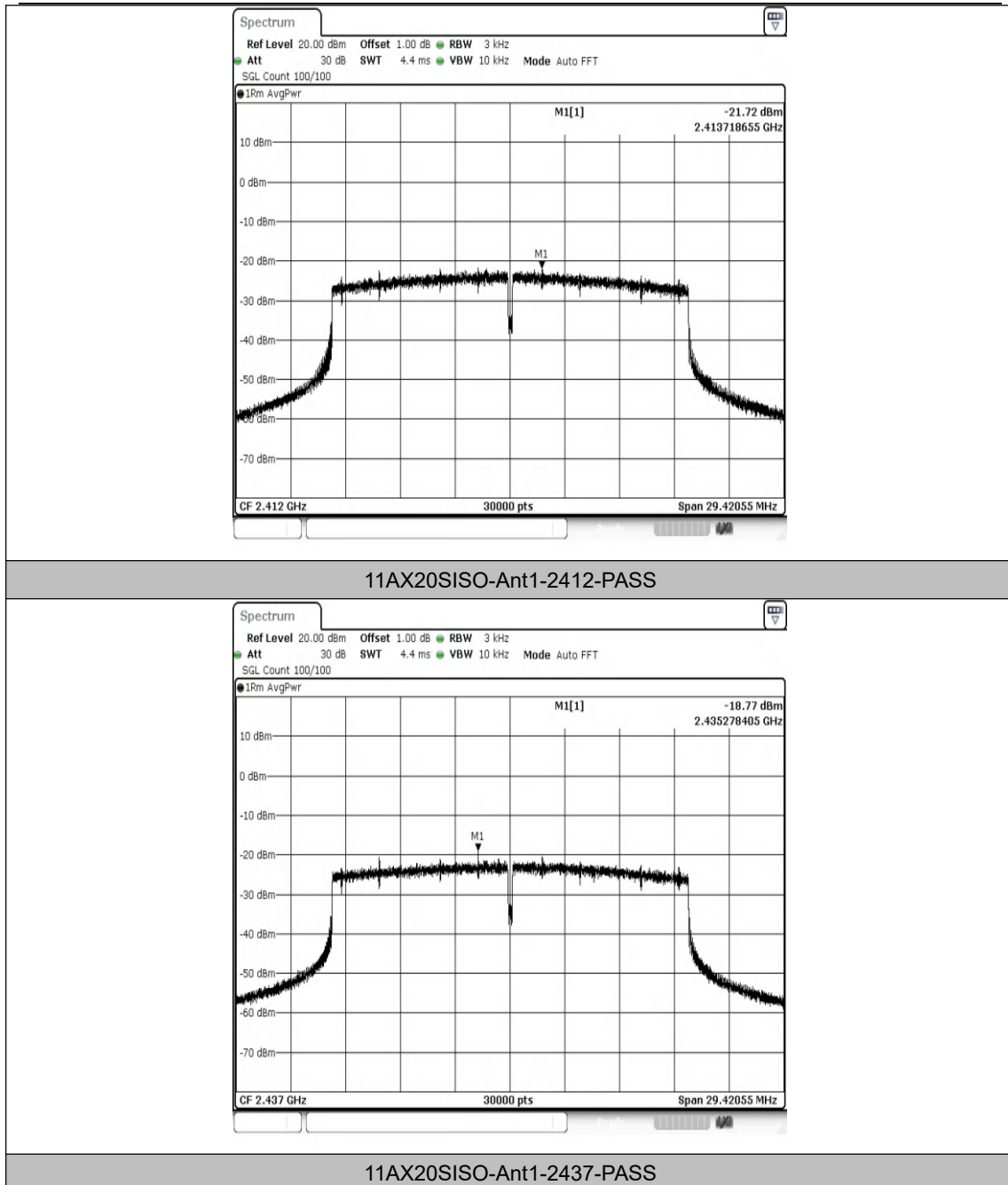


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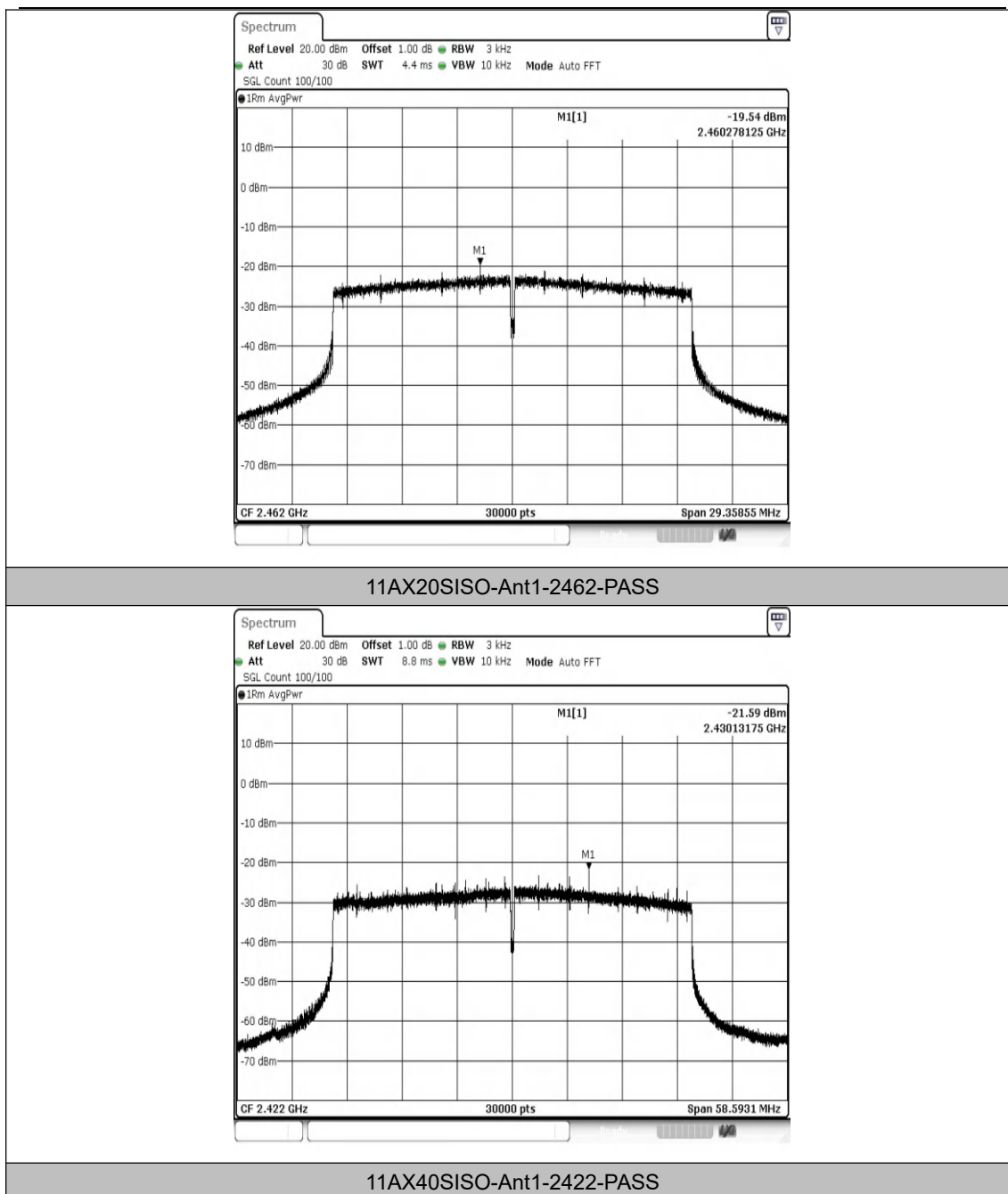




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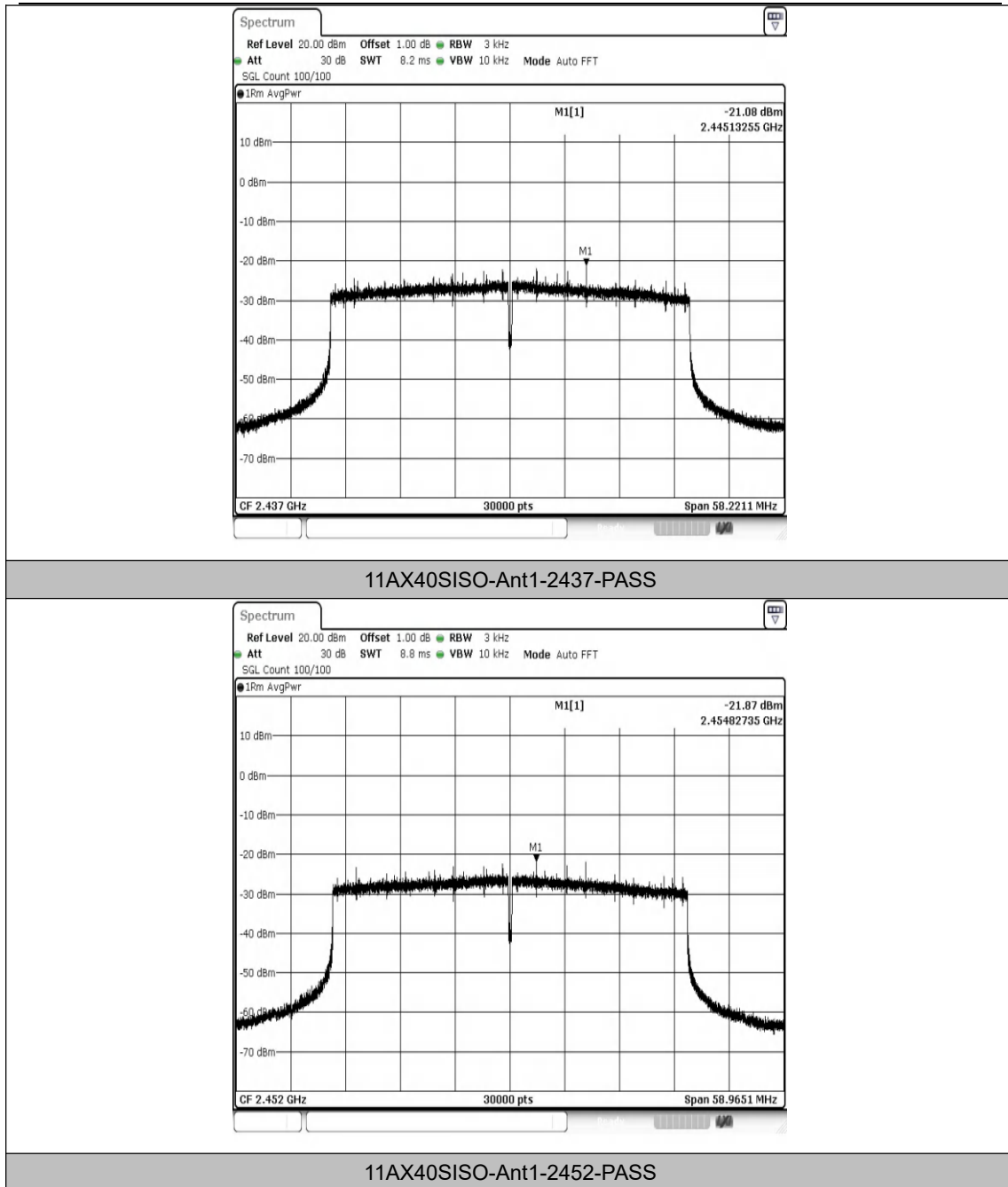
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.65	-40.05	≤-23.35	PASS
11B	Ant1	High	2462	7.30	-55.12	≤-22.7	PASS
11G	Ant1	Low	2412	2.12	-52.57	≤-27.88	PASS
11G	Ant1	High	2462	-0.67	-48.24	≤-30.67	PASS
11N20SISO	Ant1	Low	2412	1.38	-50.43	≤-28.62	PASS
11N20SISO	Ant1	High	2462	-1.53	-47.12	≤-31.53	PASS
11N40SISO	Ant1	Low	2422	-4.74	-39	≤-34.74	PASS
11N40SISO	Ant1	High	2452	-3.86	-49.22	≤-33.86	PASS
11AX20SISO	Ant1	Low	2412	1.80	-50.07	≤-28.2	PASS
11AX20SISO	Ant1	High	2462	-2.19	-49.32	≤-32.19	PASS
11AX40SISO	Ant1	Low	2422	-5.58	-39.73	≤-35.58	PASS
11AX40SISO	Ant1	High	2452	-3.27	-47.44	≤-33.27	PASS

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



Test Graphs

