

Appendix Test Data

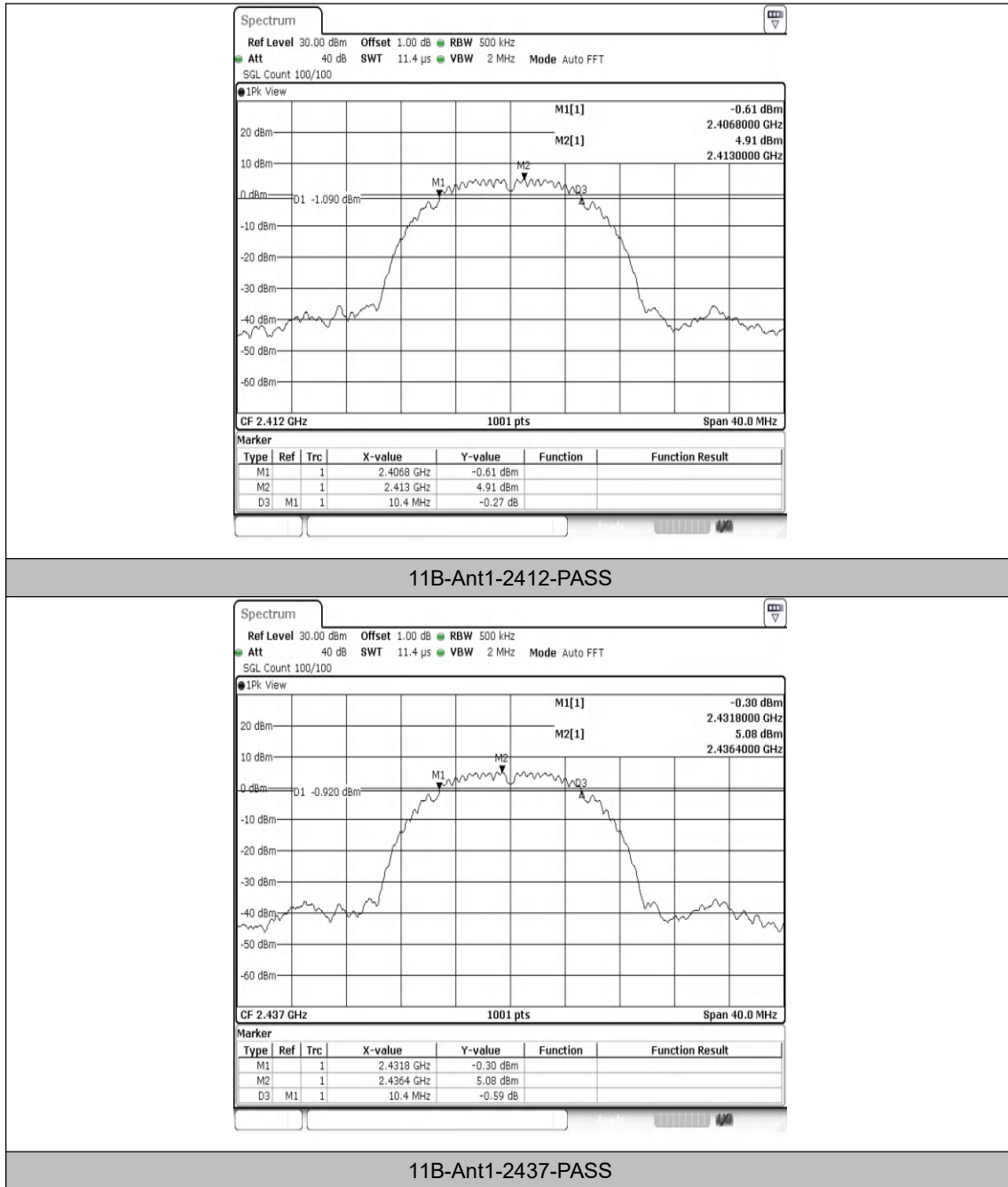
Report No.:	1812C50223212501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-15	Finish Test Date:	2025-5-19
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	27°C	Relative Humidity:	52%
Pressure:	101kPa		

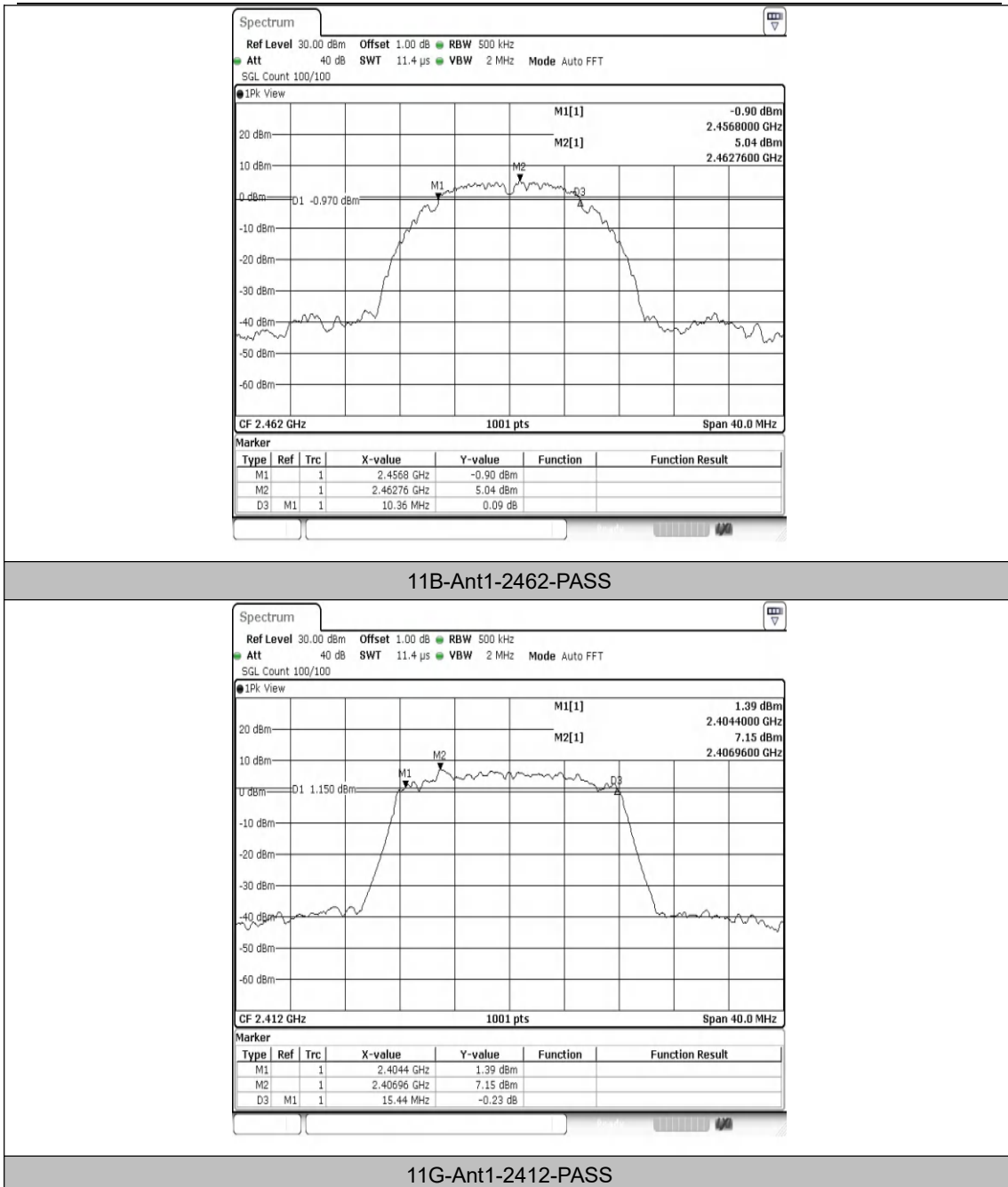
Appendix A: 6dB Bandwidth

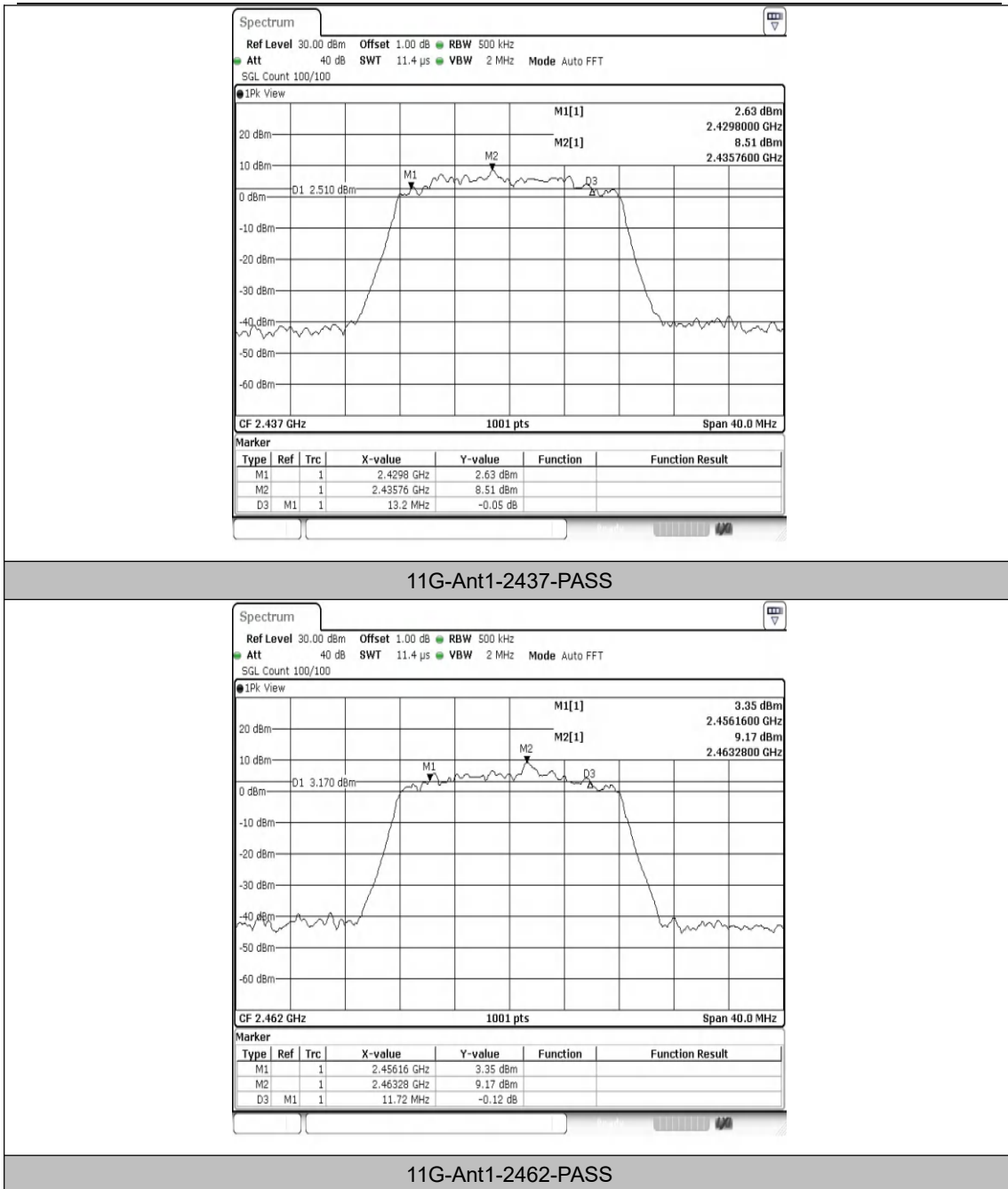
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.40	2406.80	2417.20	0.5	PASS
11B	Ant1	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant1	2462	10.36	2456.80	2467.16	0.5	PASS
11G	Ant1	2412	15.44	2404.40	2419.84	0.5	PASS
11G	Ant1	2437	13.20	2429.80	2443.00	0.5	PASS
11G	Ant1	2462	11.72	2456.16	2467.88	0.5	PASS
11N20SISO	Ant1	2412	15.40	2404.44	2419.84	0.5	PASS
11N20SISO	Ant1	2437	15.04	2429.48	2444.52	0.5	PASS
11N20SISO	Ant1	2462	15.48	2454.40	2469.88	0.5	PASS
11N40SISO	Ant1	2422	34.32	2405.36	2439.68	0.5	PASS
11N40SISO	Ant1	2437	33.76	2421.00	2454.76	0.5	PASS
11N40SISO	Ant1	2452	34.32	2434.32	2468.64	0.5	PASS

Test Graphs



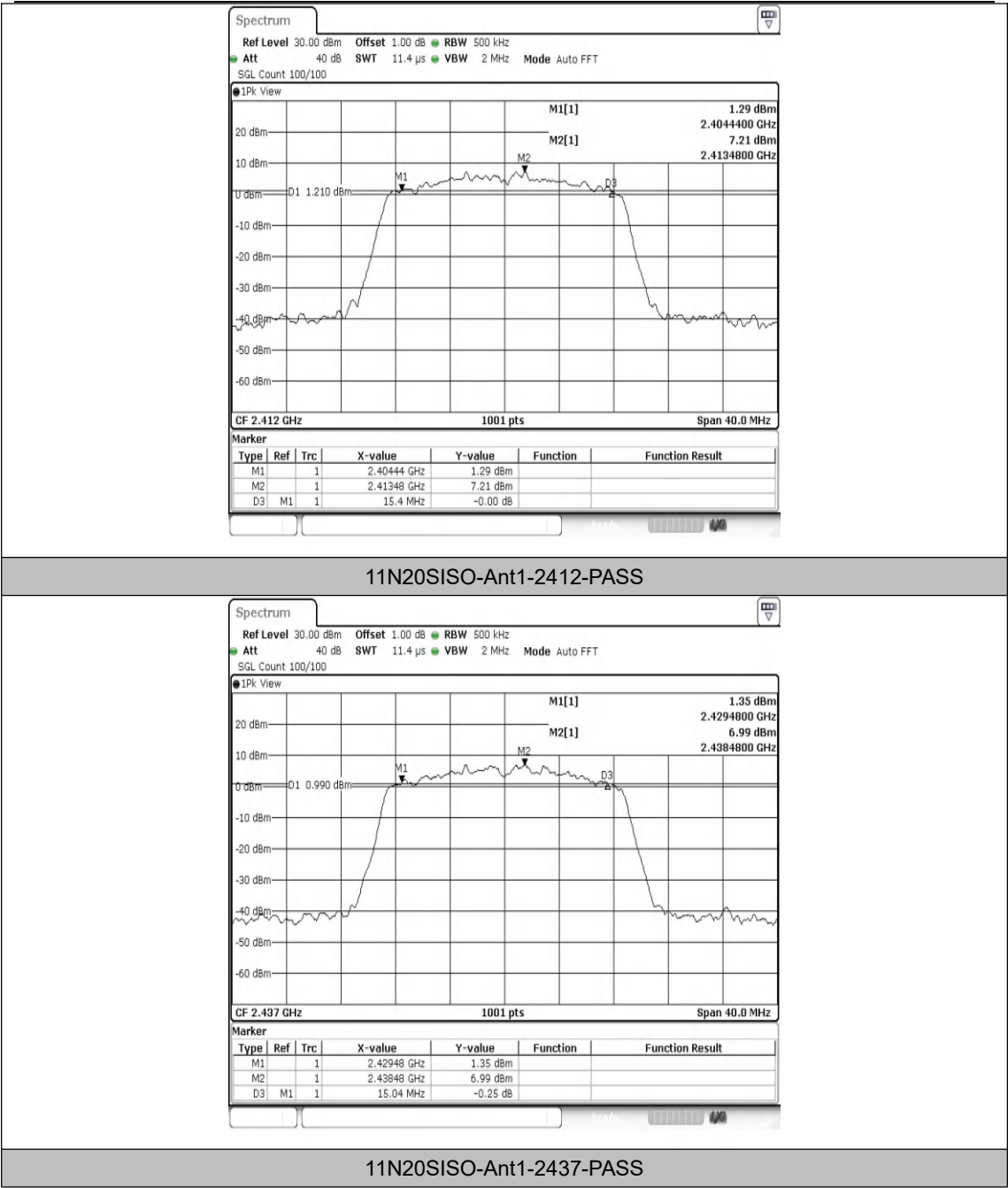


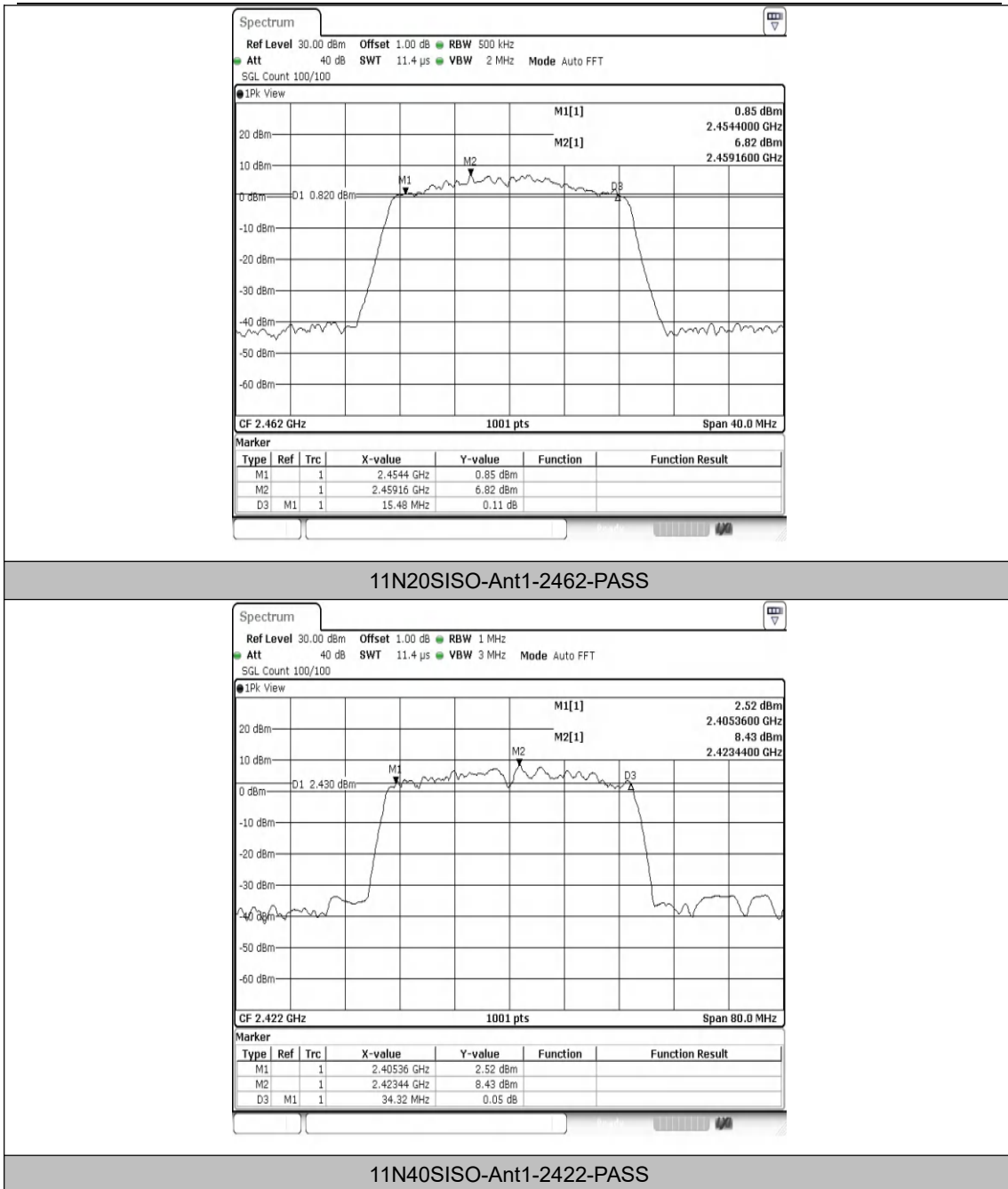


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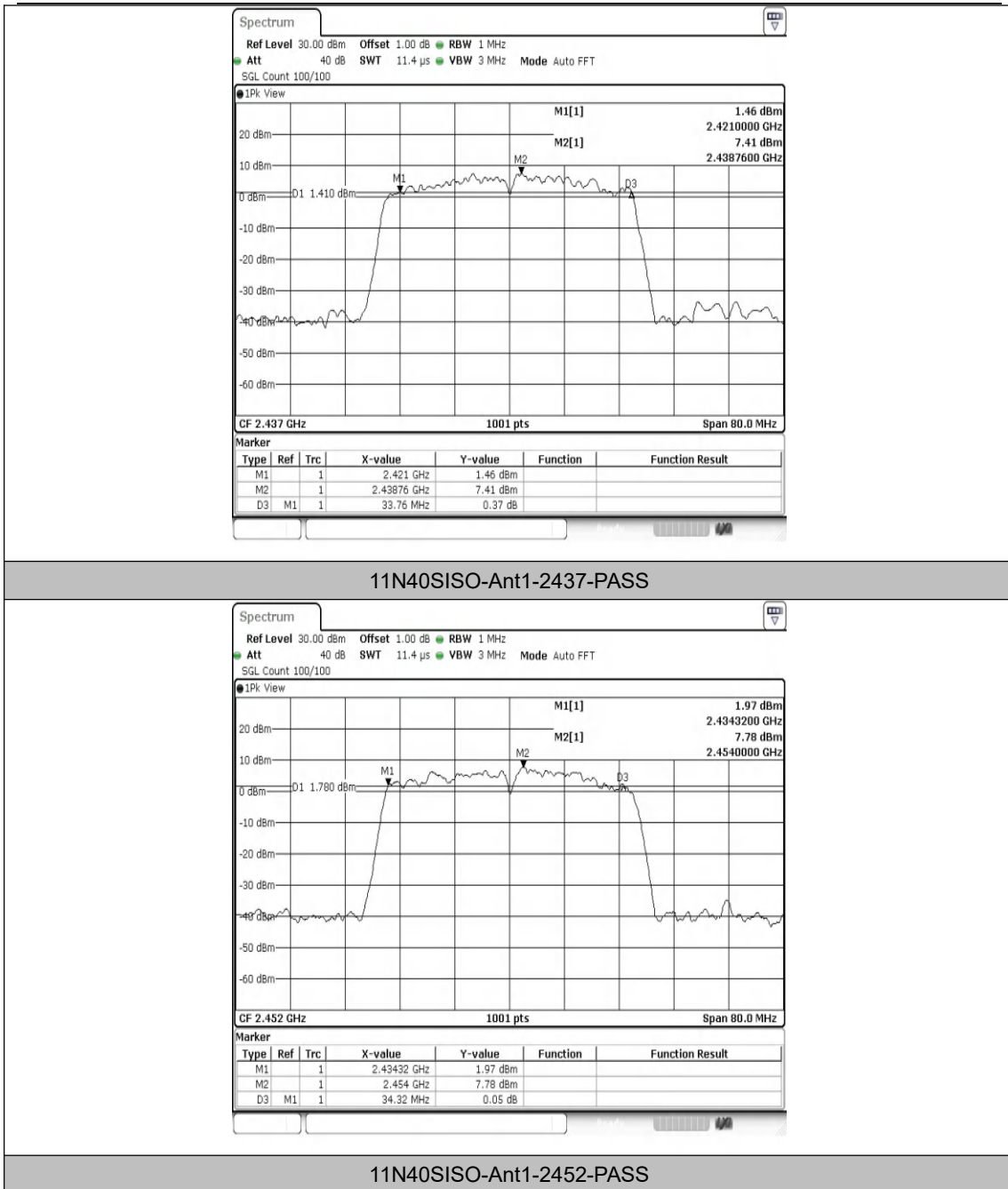




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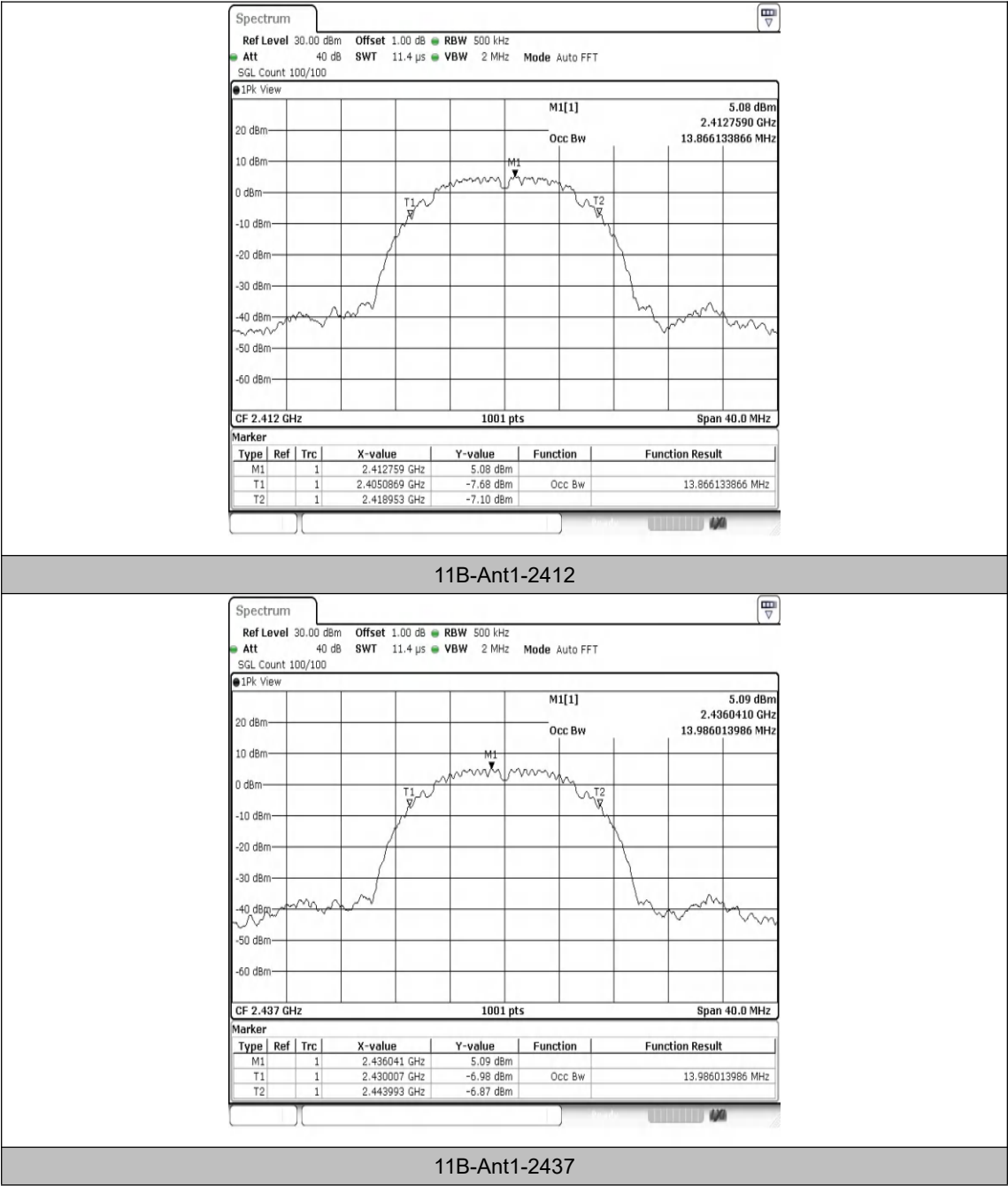
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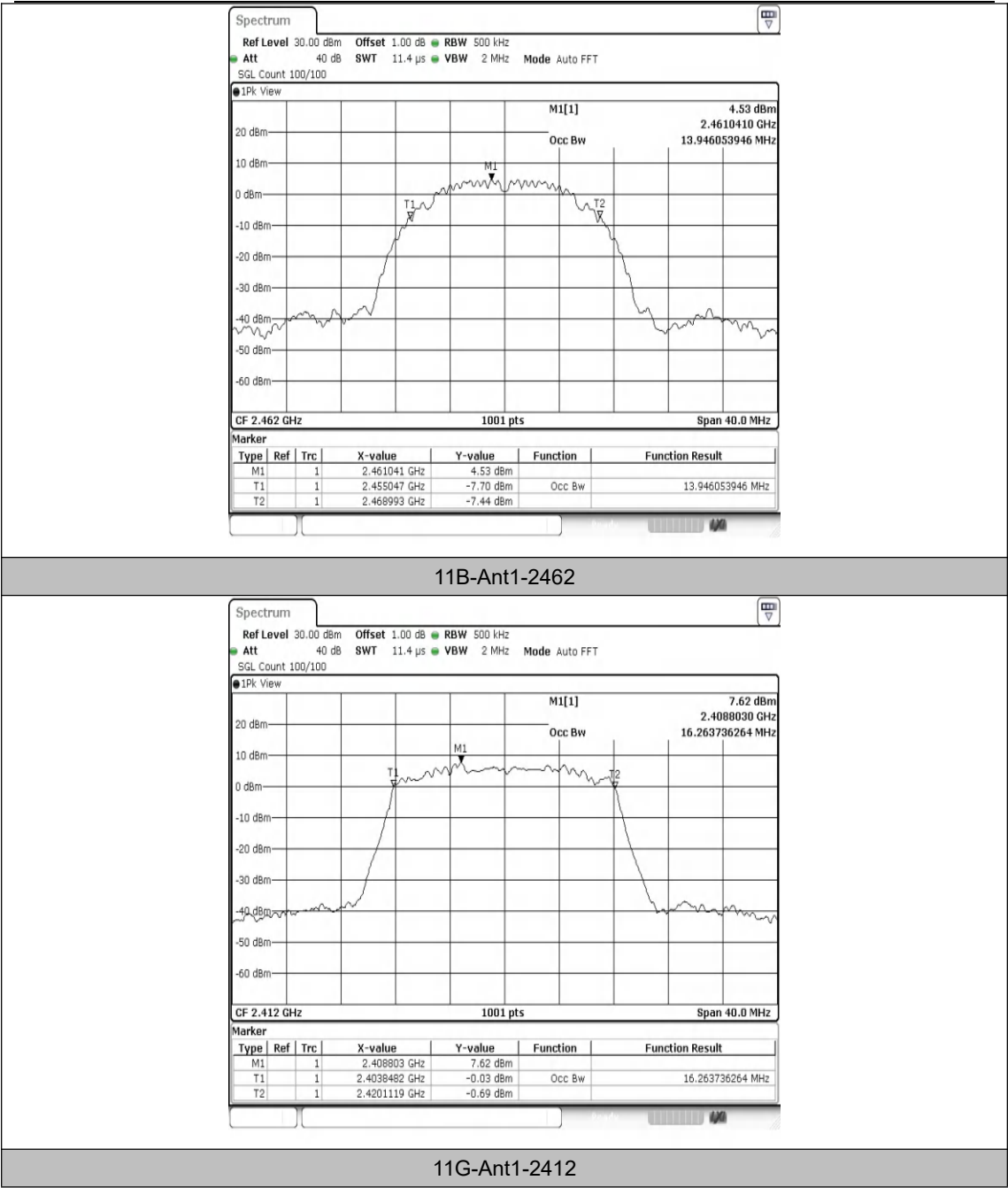
Appendix B: 99% Occupied Bandwidth

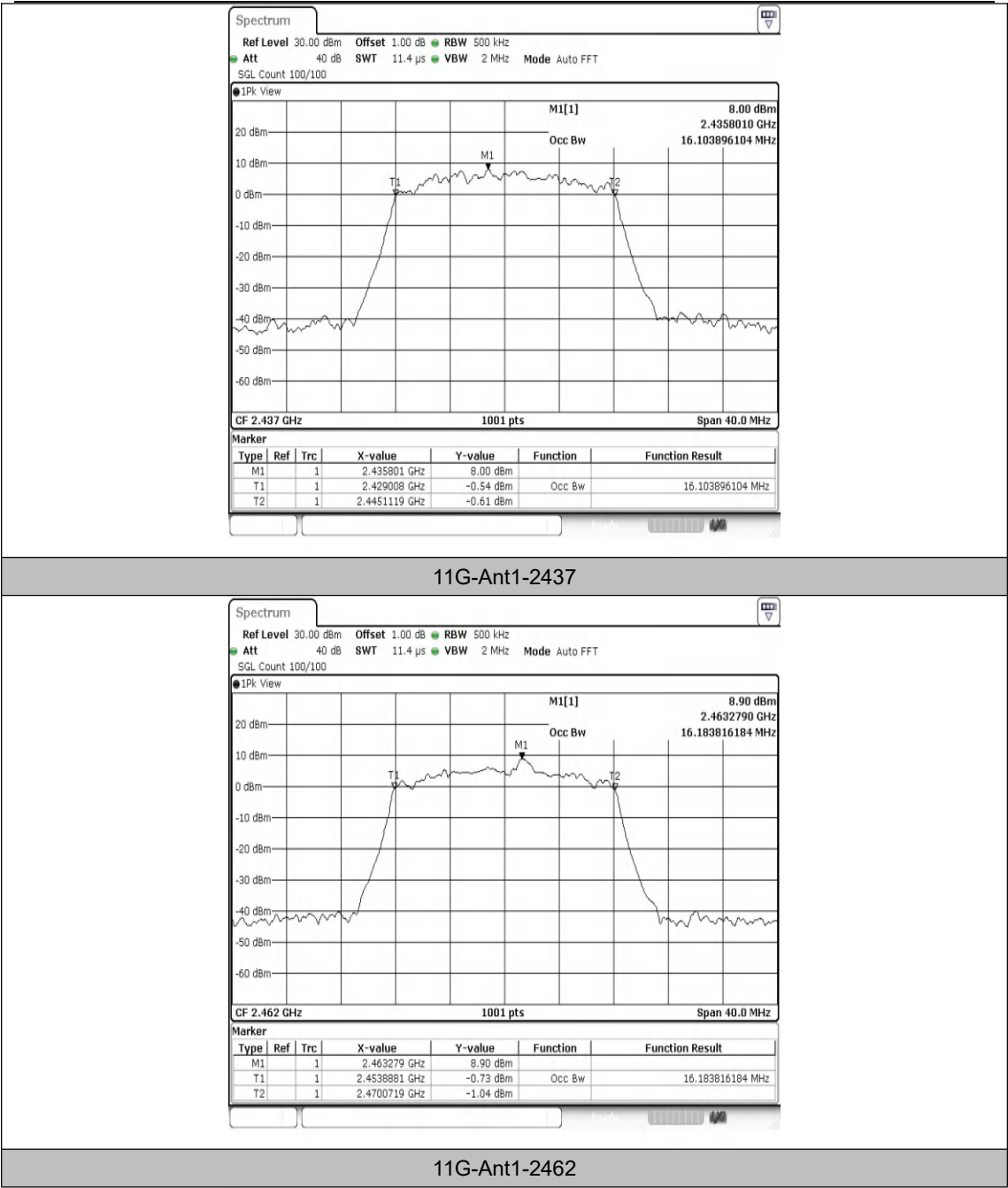
Test Result

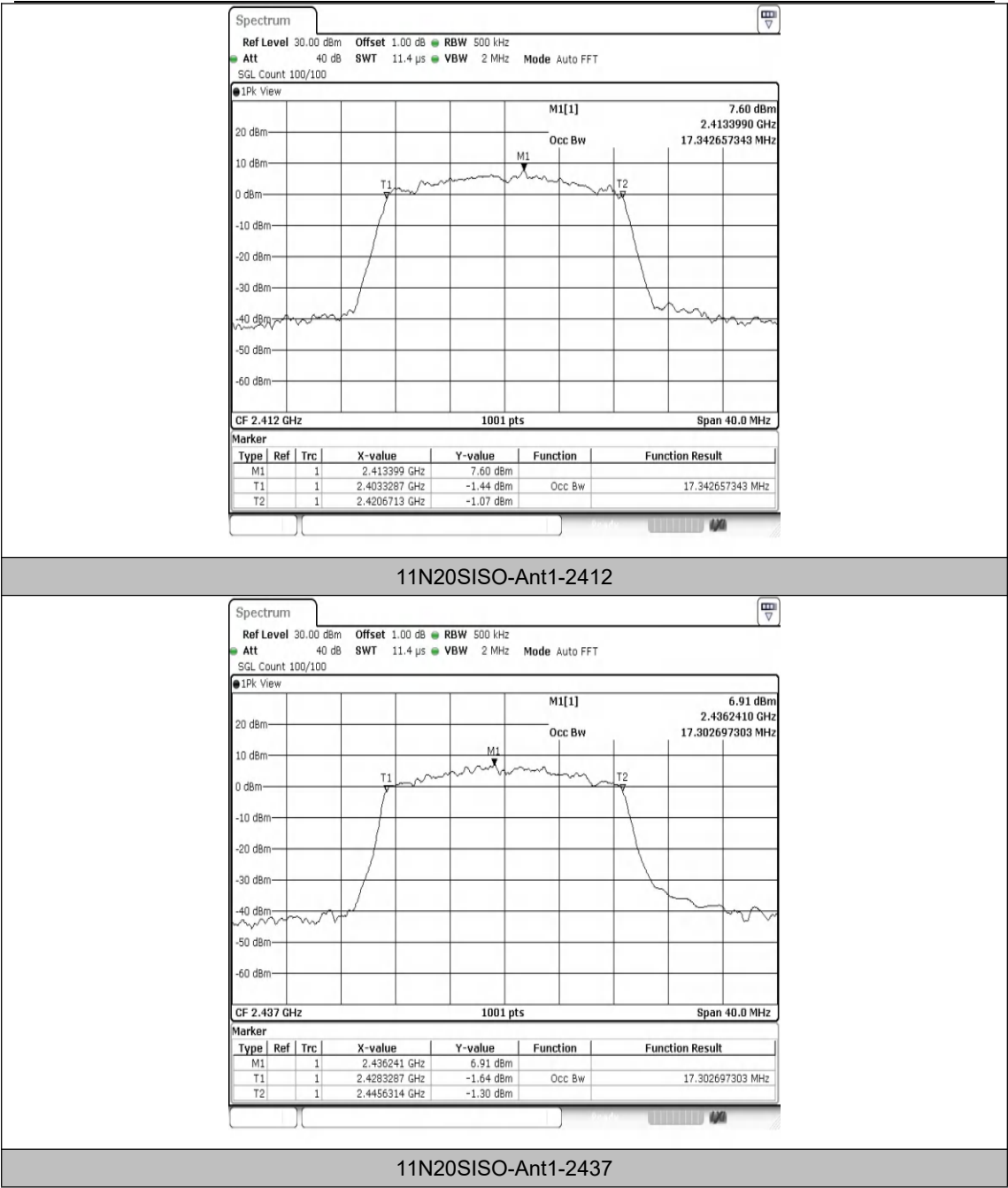
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.866	2405.0869	2418.9530	---	---
11B	Ant1	2437	13.986	2430.0070	2443.9930	---	---
11B	Ant1	2462	13.946	2455.0470	2468.9930	---	---
11G	Ant1	2412	16.264	2403.8482	2420.1119	---	---
11G	Ant1	2437	16.104	2429.0080	2445.1119	---	---
11G	Ant1	2462	16.184	2453.8881	2470.0719	---	---
11N20SISO	Ant1	2412	17.343	2403.3287	2420.6713	---	---
11N20SISO	Ant1	2437	17.303	2428.3287	2445.6314	---	---
11N20SISO	Ant1	2462	17.303	2453.3287	2470.6314	---	---
11N40SISO	Ant1	2422	35.884	2404.0979	2439.9820	---	---
11N40SISO	Ant1	2437	35.724	2419.0979	2454.8222	---	---
11N40SISO	Ant1	2452	35.724	2434.0979	2469.8222	---	---

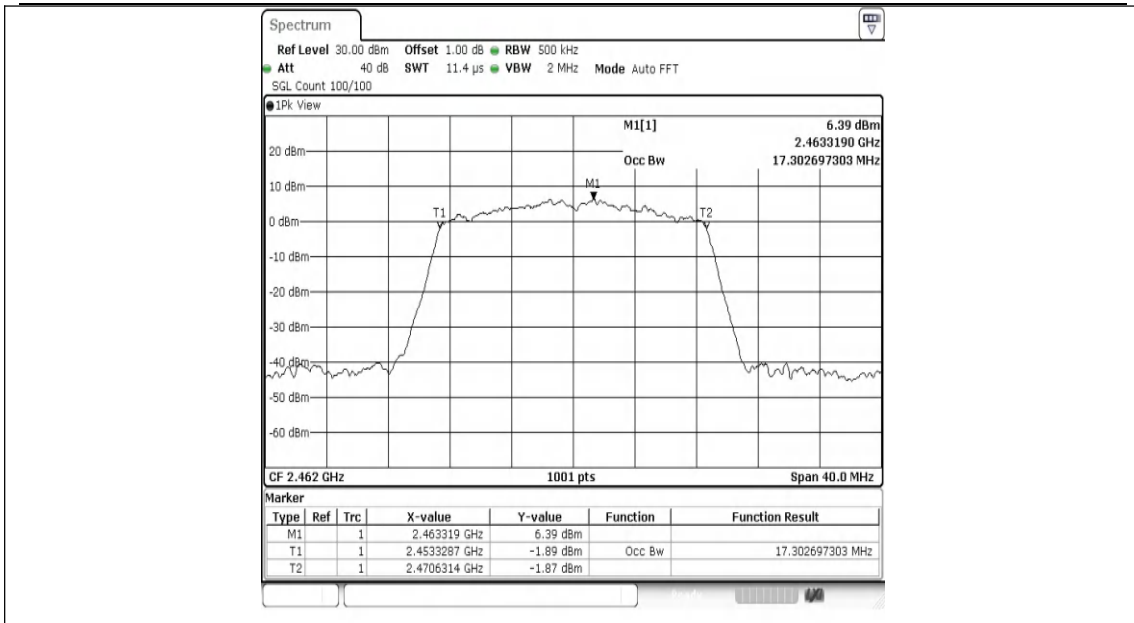
Test Graphs



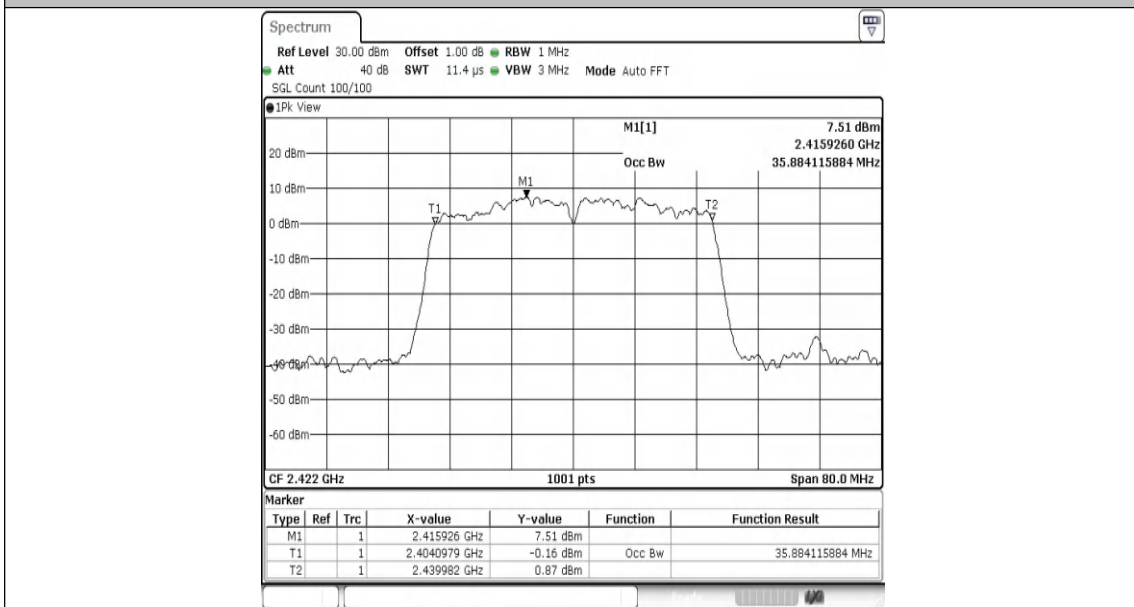








11N20SISO-Ant1-2462

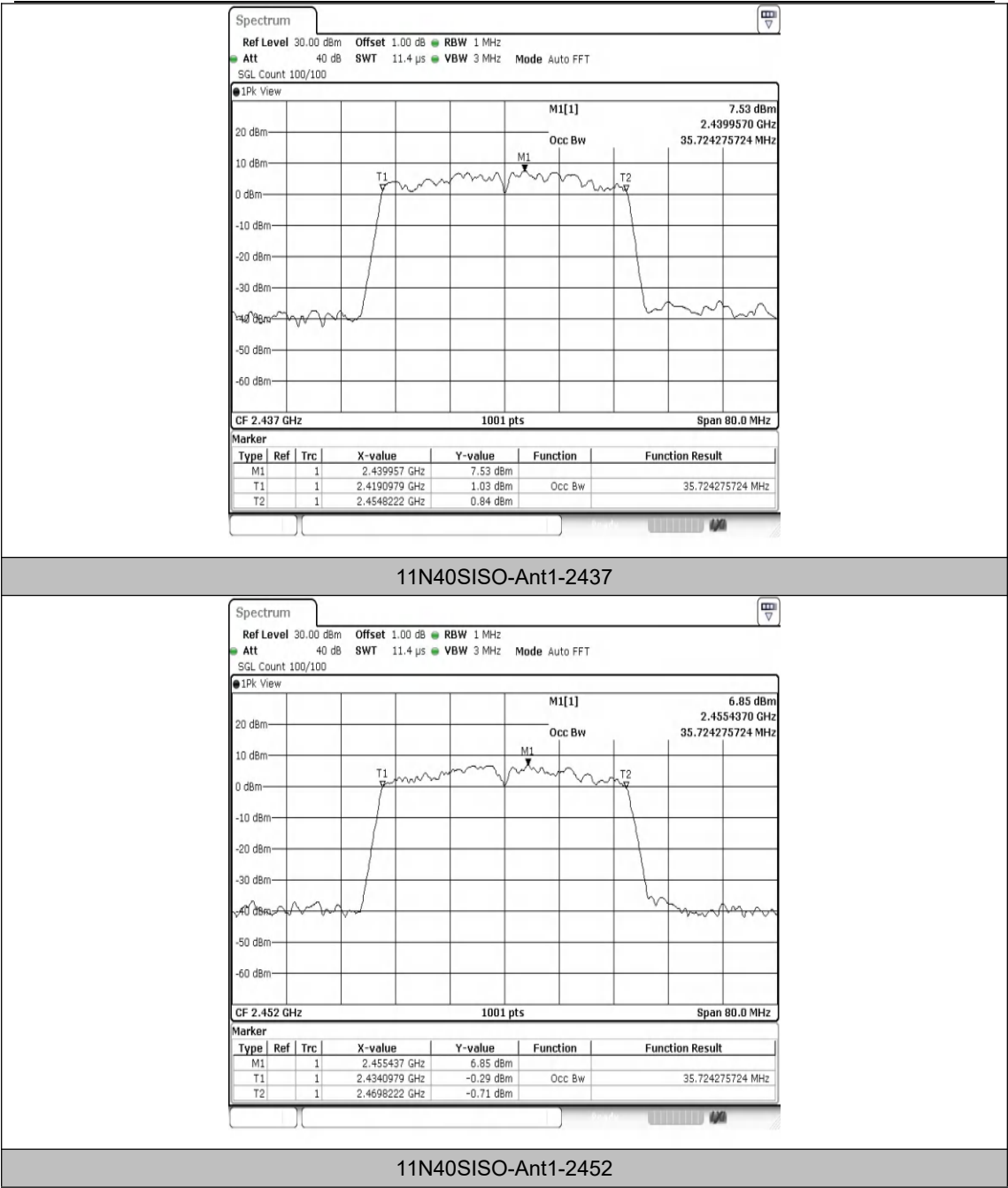


11N40SISO-Ant1-2422

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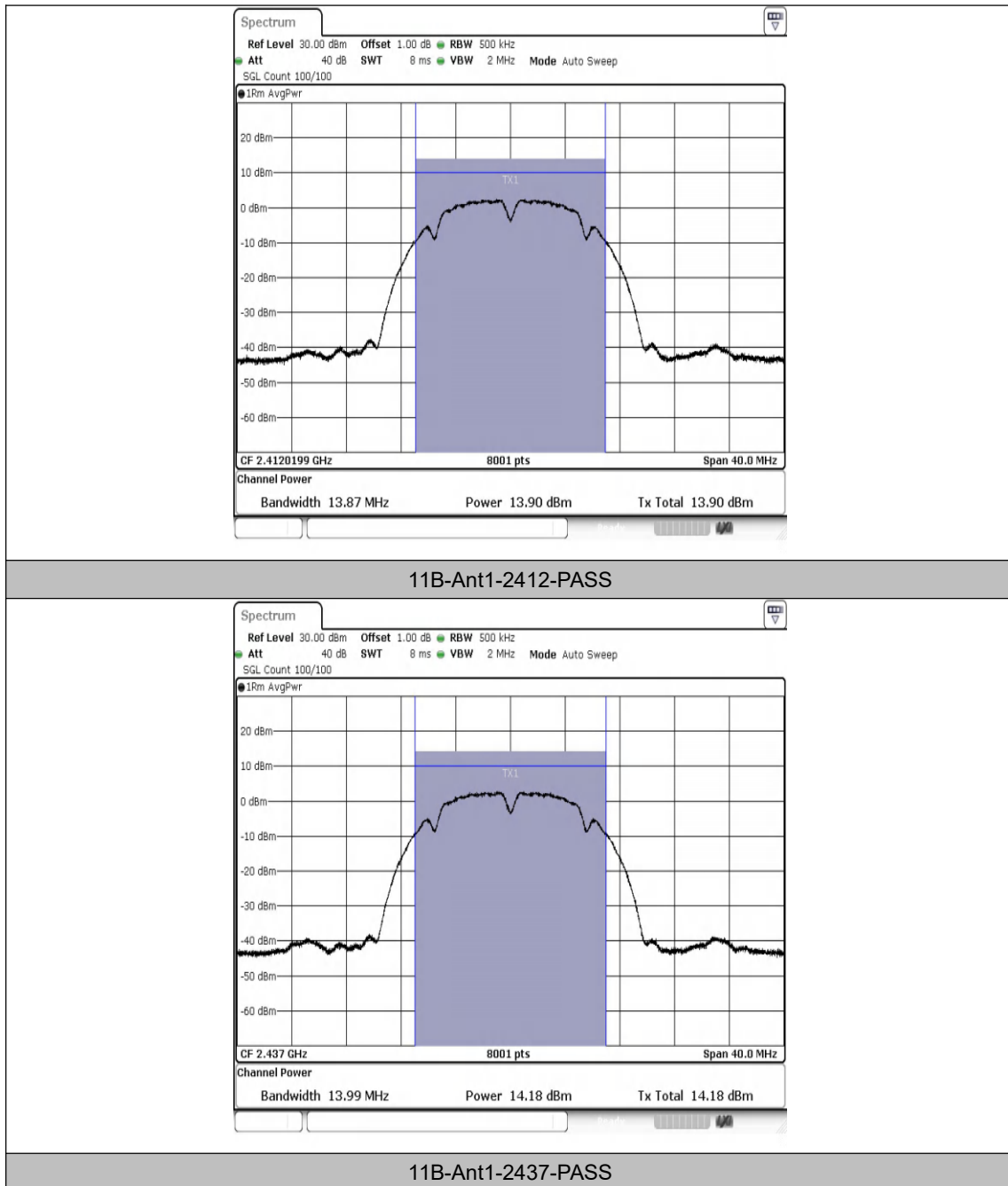
Appendix C: Maximum conducted output power

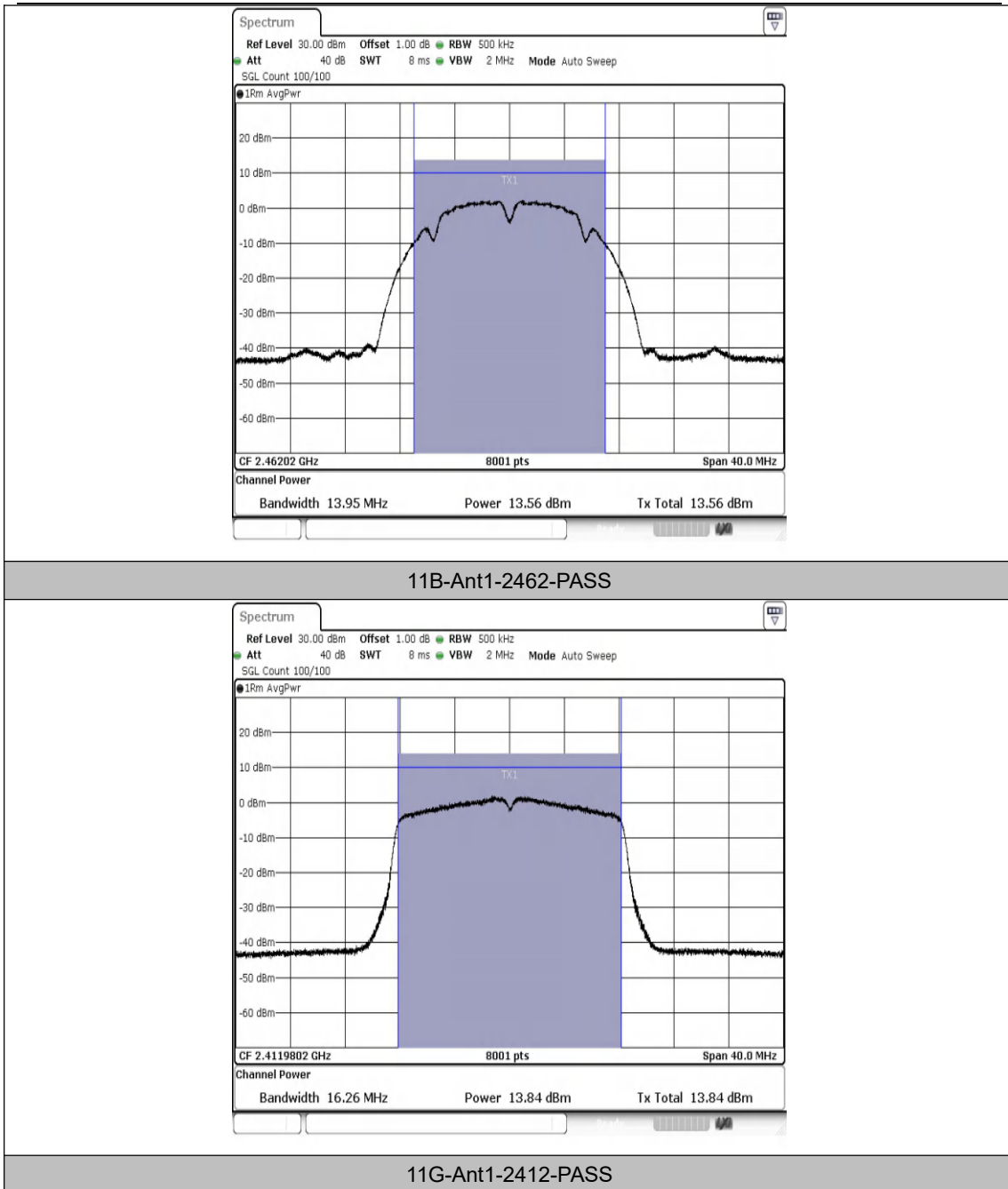
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	13.90	100.00	0.00	13.90	≤30.00	PASS
11B	Ant1	2437	NA	14.18	100.00	0.00	14.18	≤30.00	PASS
11B	Ant1	2462	NA	13.56	100.00	0.00	13.56	≤30.00	PASS
11G	Ant1	2412	NA	13.84	100.00	0.00	13.84	≤30.00	PASS
11G	Ant1	2437	NA	13.63	100.00	0.00	13.63	≤30.00	PASS
11G	Ant1	2462	NA	13.24	100.00	0.00	13.24	≤30.00	PASS
11N20SISO	Ant1	2412	NA	13.66	100.00	0.00	13.66	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.50	100.00	0.00	13.50	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.11	100.00	0.00	13.11	≤30.00	PASS
11N40SISO	Ant1	2422	NA	13.70	100.00	0.00	13.70	≤30.00	PASS
11N40SISO	Ant1	2437	NA	13.58	100.00	0.00	13.58	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.25	100.00	0.00	13.25	≤30.00	PASS

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

Test Graphs Average

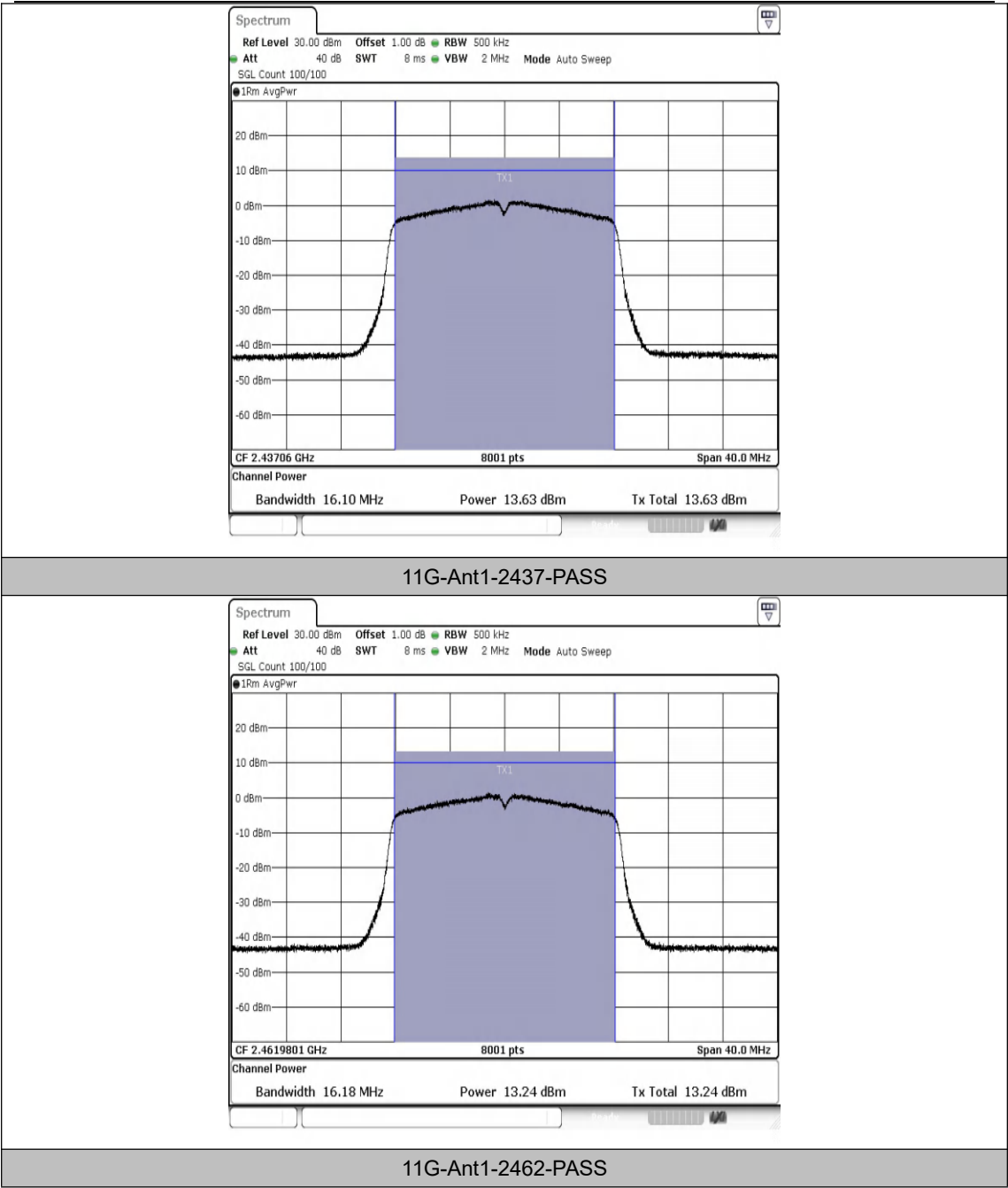


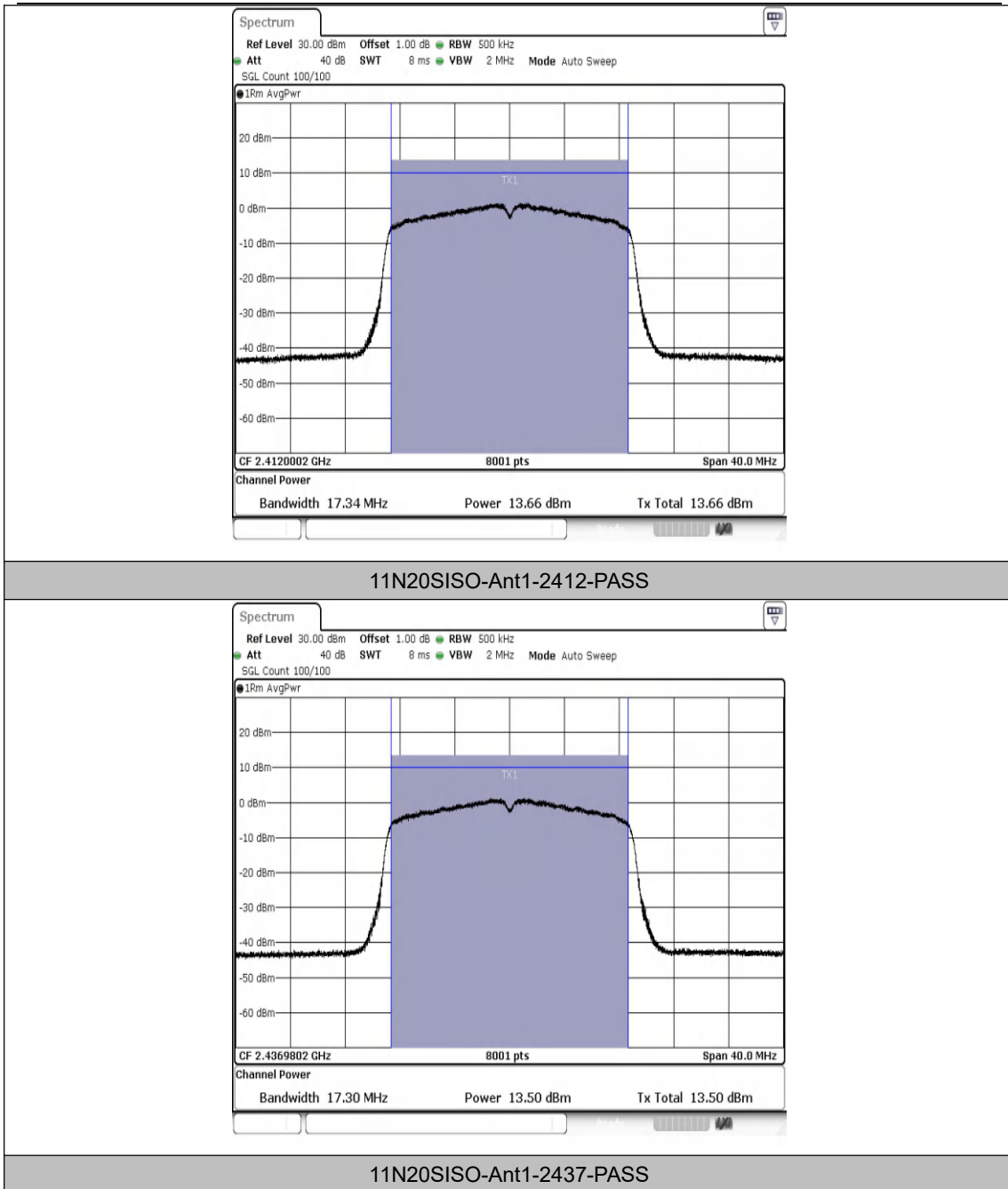


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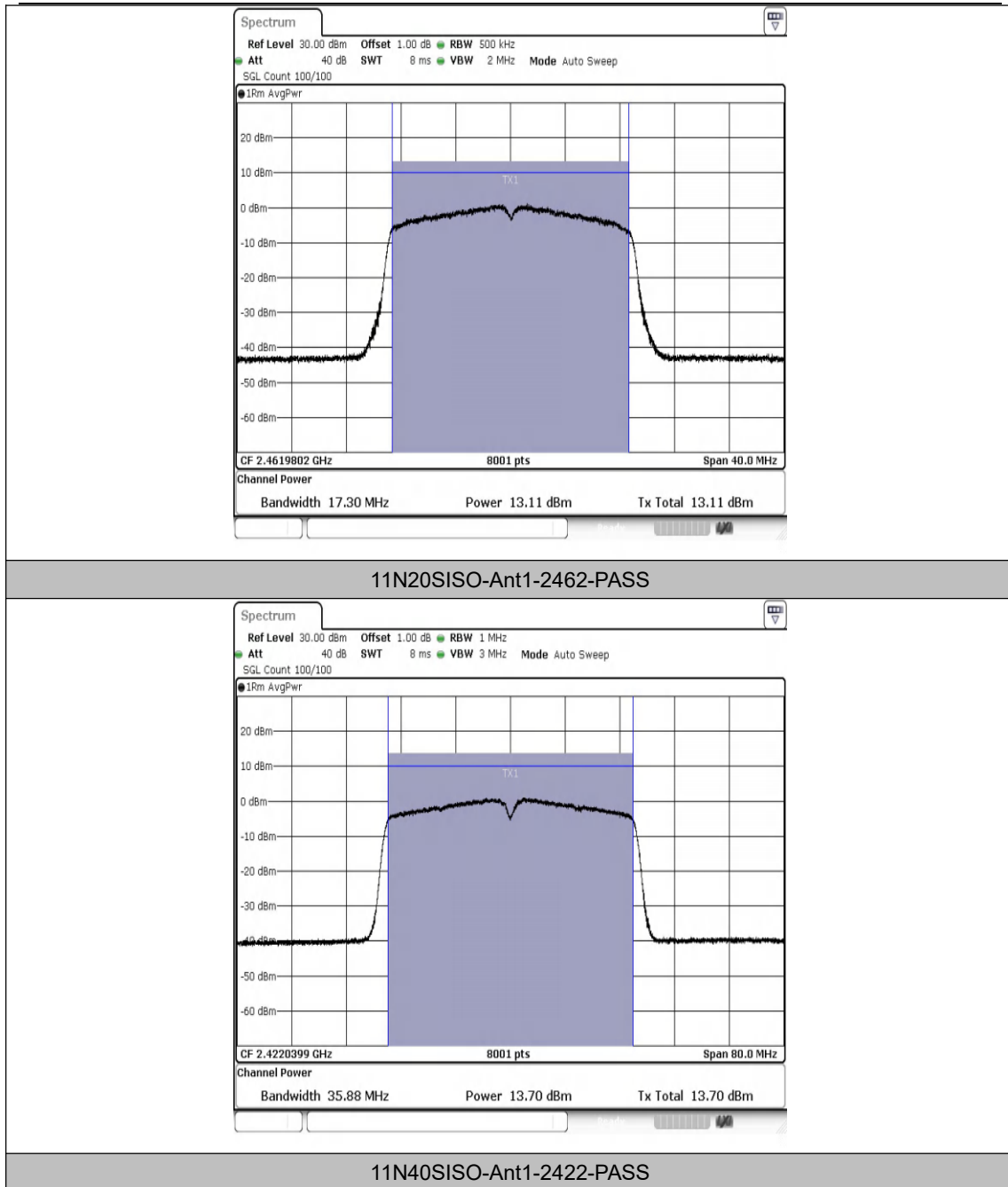




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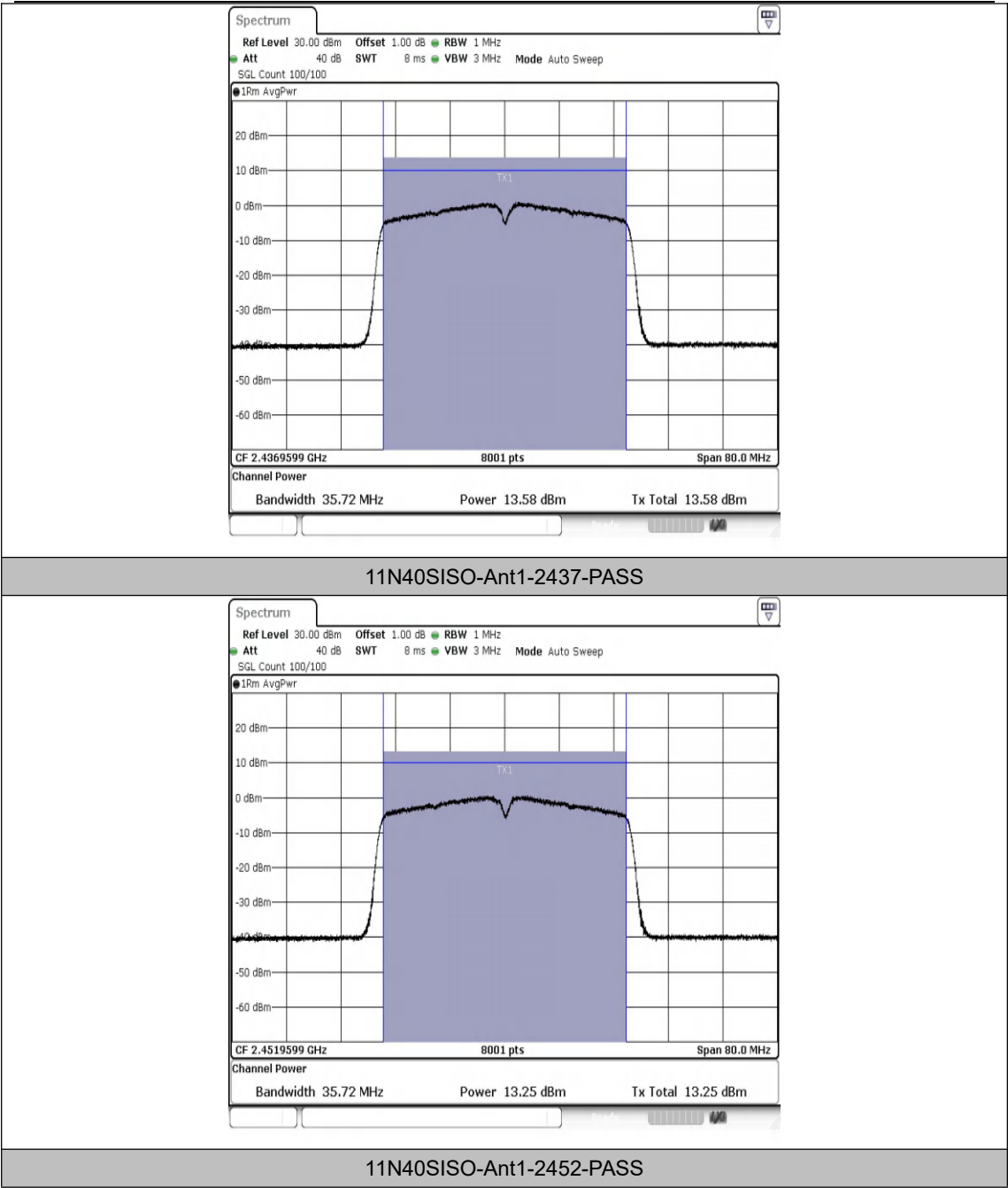
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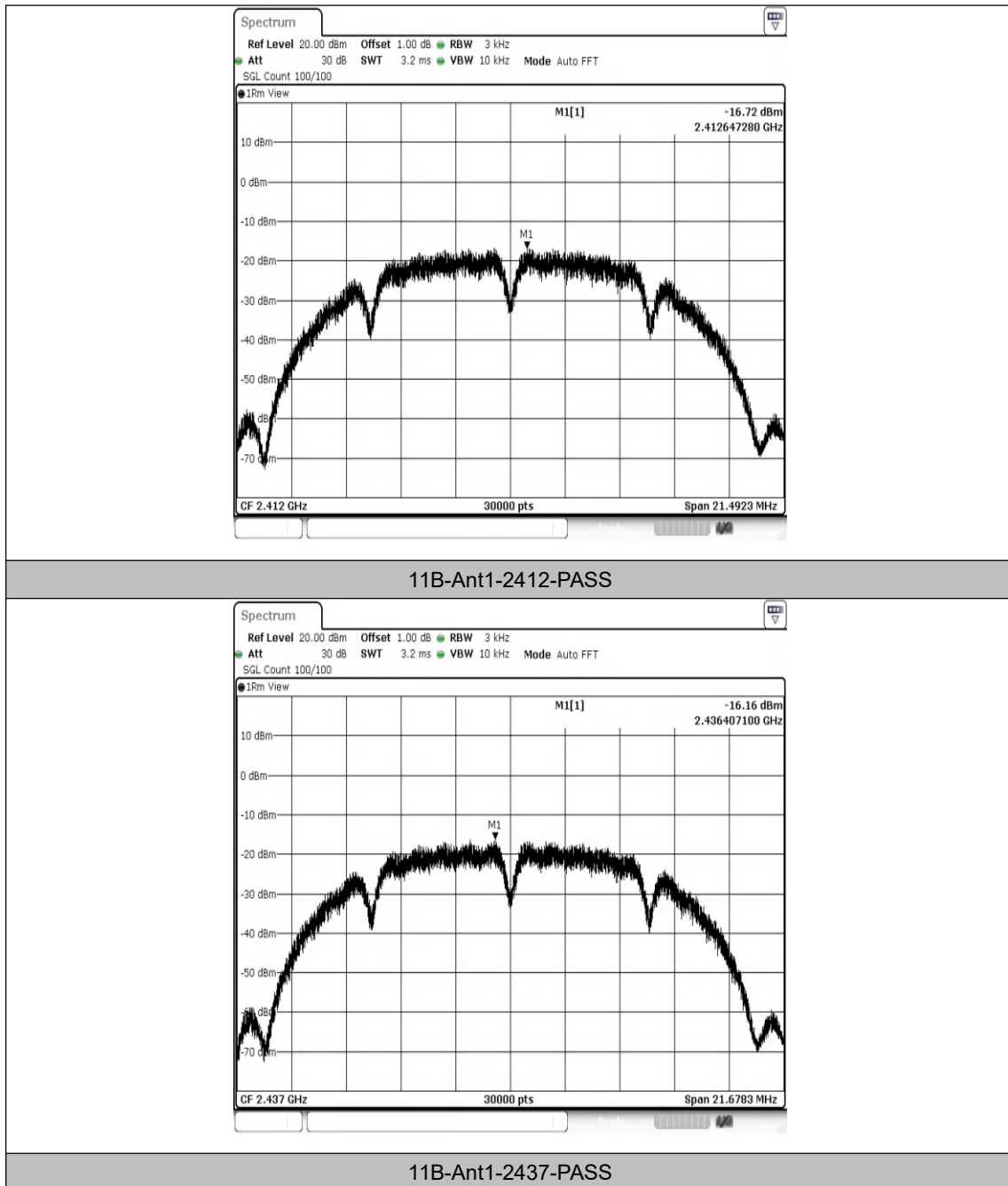
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-16.72	0.00	-16.72	≤8.00	PASS
11B	Ant1	2437	-16.16	0.00	-16.16	≤8.00	PASS
11B	Ant1	2462	-16.43	0.00	-16.43	≤8.00	PASS
11G	Ant1	2412	-14.63	0.00	-14.63	≤8.00	PASS
11G	Ant1	2437	-14.73	0.00	-14.73	≤8.00	PASS
11G	Ant1	2462	-14.76	0.00	-14.76	≤8.00	PASS
11N20SISO	Ant1	2412	-12.86	0.00	-12.86	≤8.00	PASS
11N20SISO	Ant1	2437	-12.9	0.00	-12.90	≤8.00	PASS
11N20SISO	Ant1	2462	-13.15	0.00	-13.15	≤8.00	PASS
11N40SISO	Ant1	2422	-16.3	0.00	-16.30	≤8.00	PASS
11N40SISO	Ant1	2437	-16.43	0.00	-16.43	≤8.00	PASS
11N40SISO	Ant1	2452	-16.45	0.00	-16.45	≤8.00	PASS

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

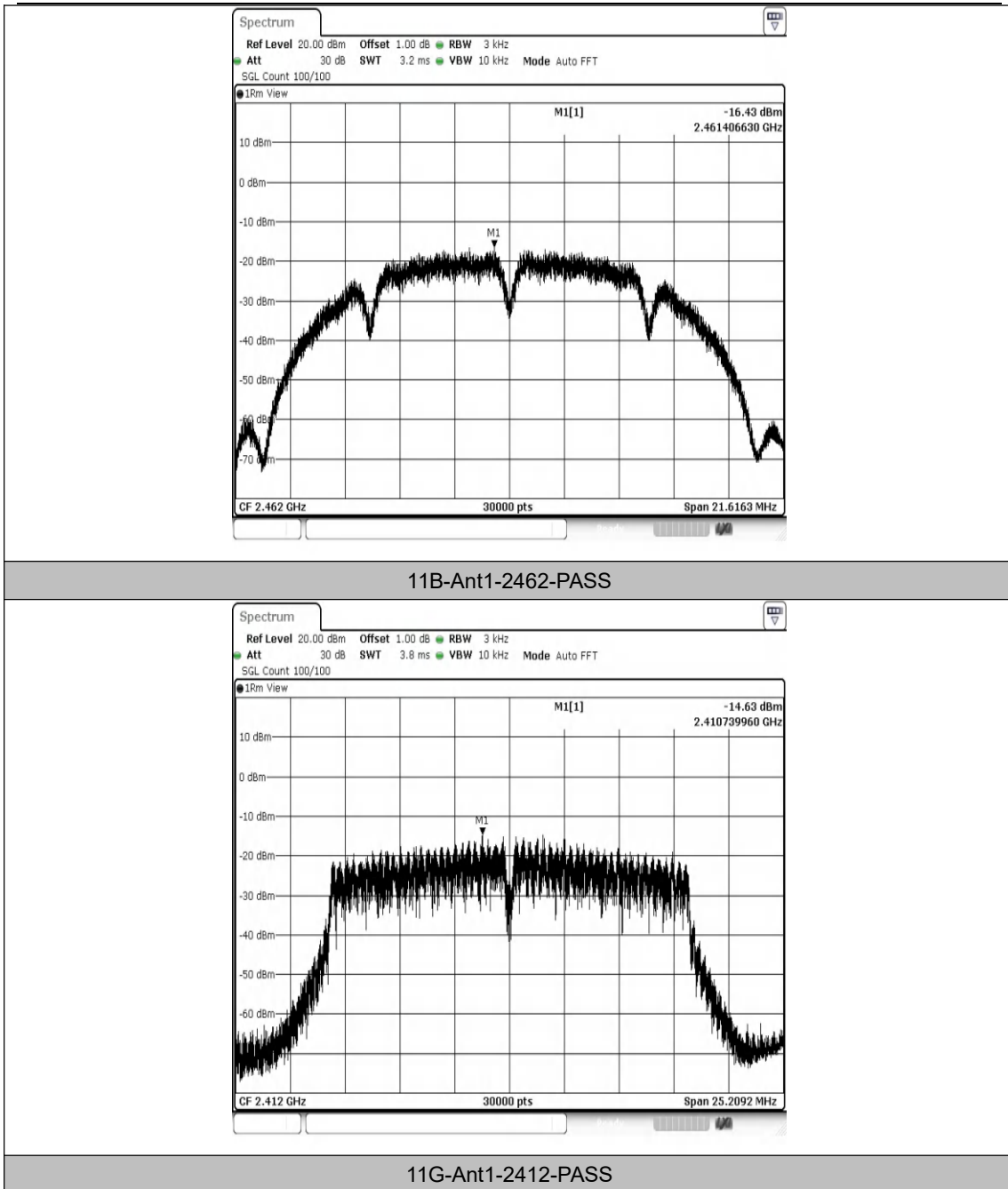
Test Graphs



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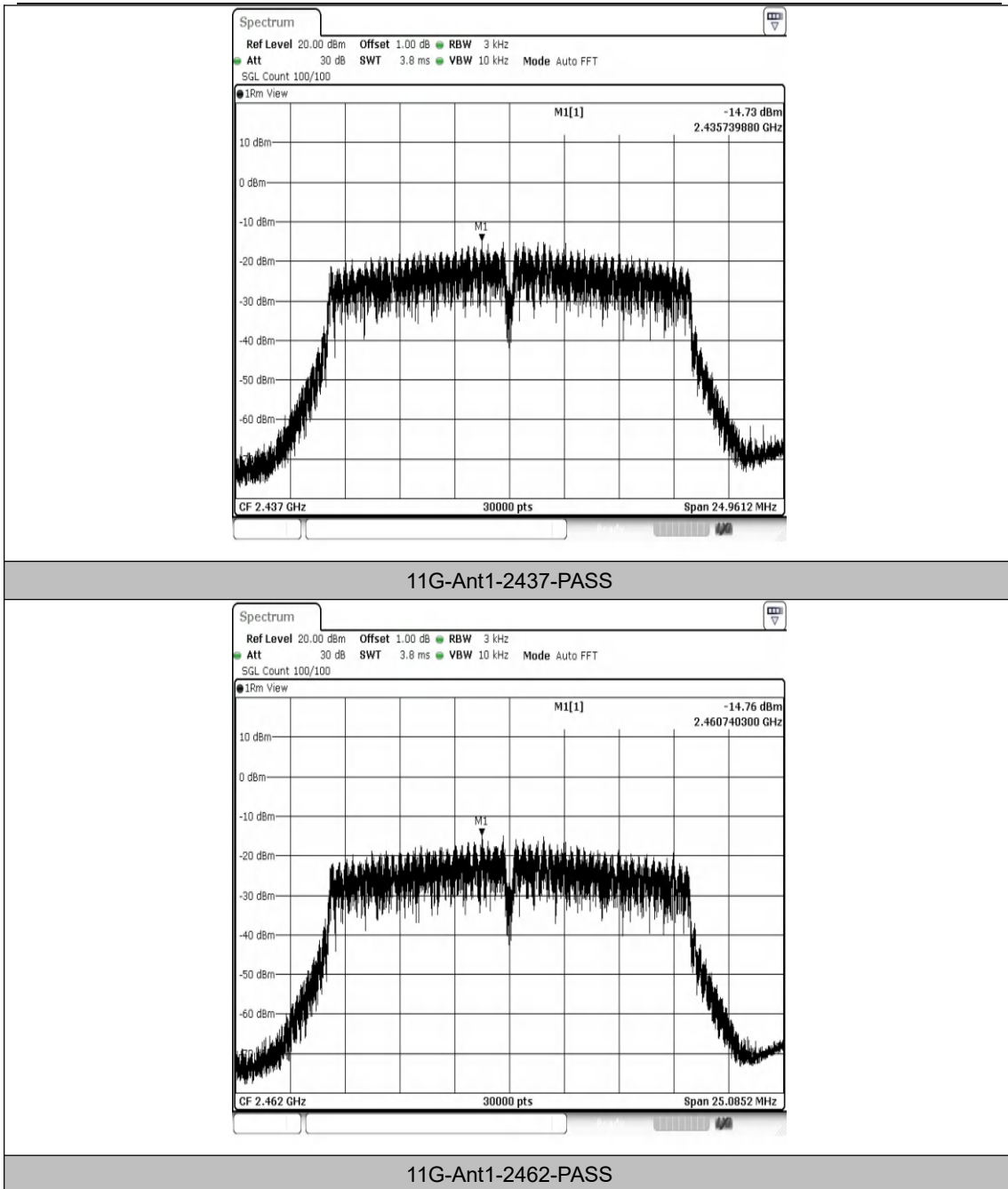
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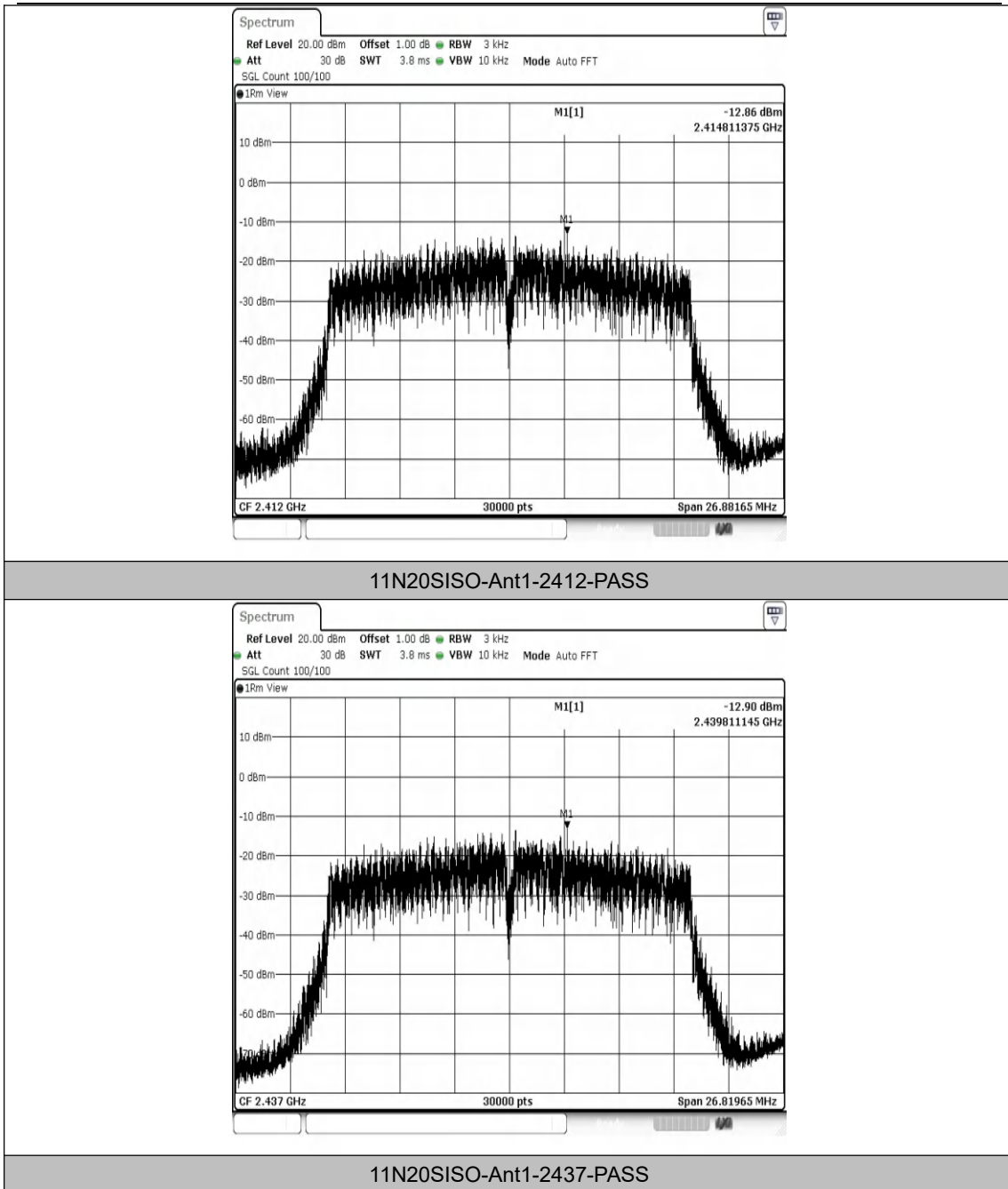
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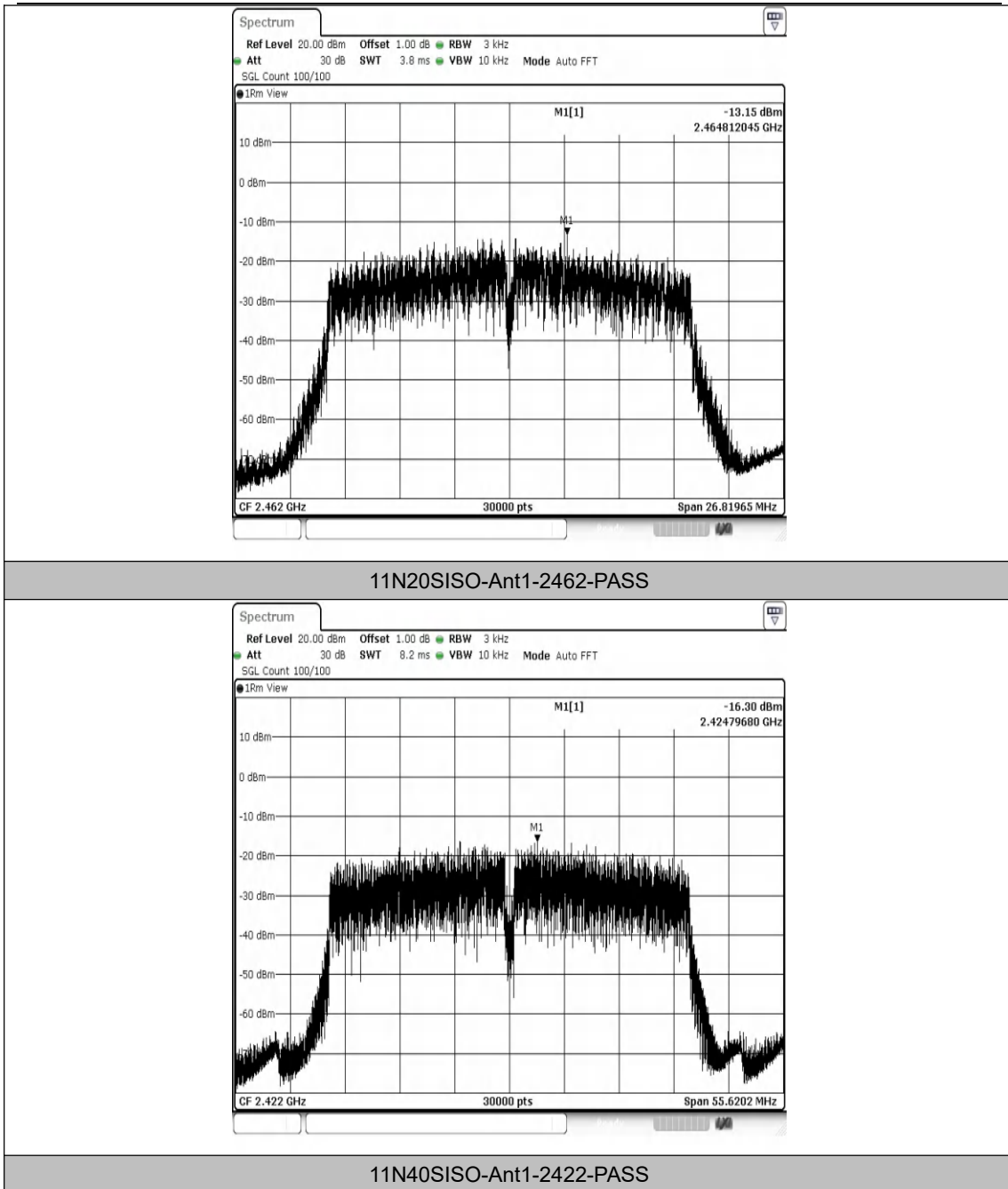
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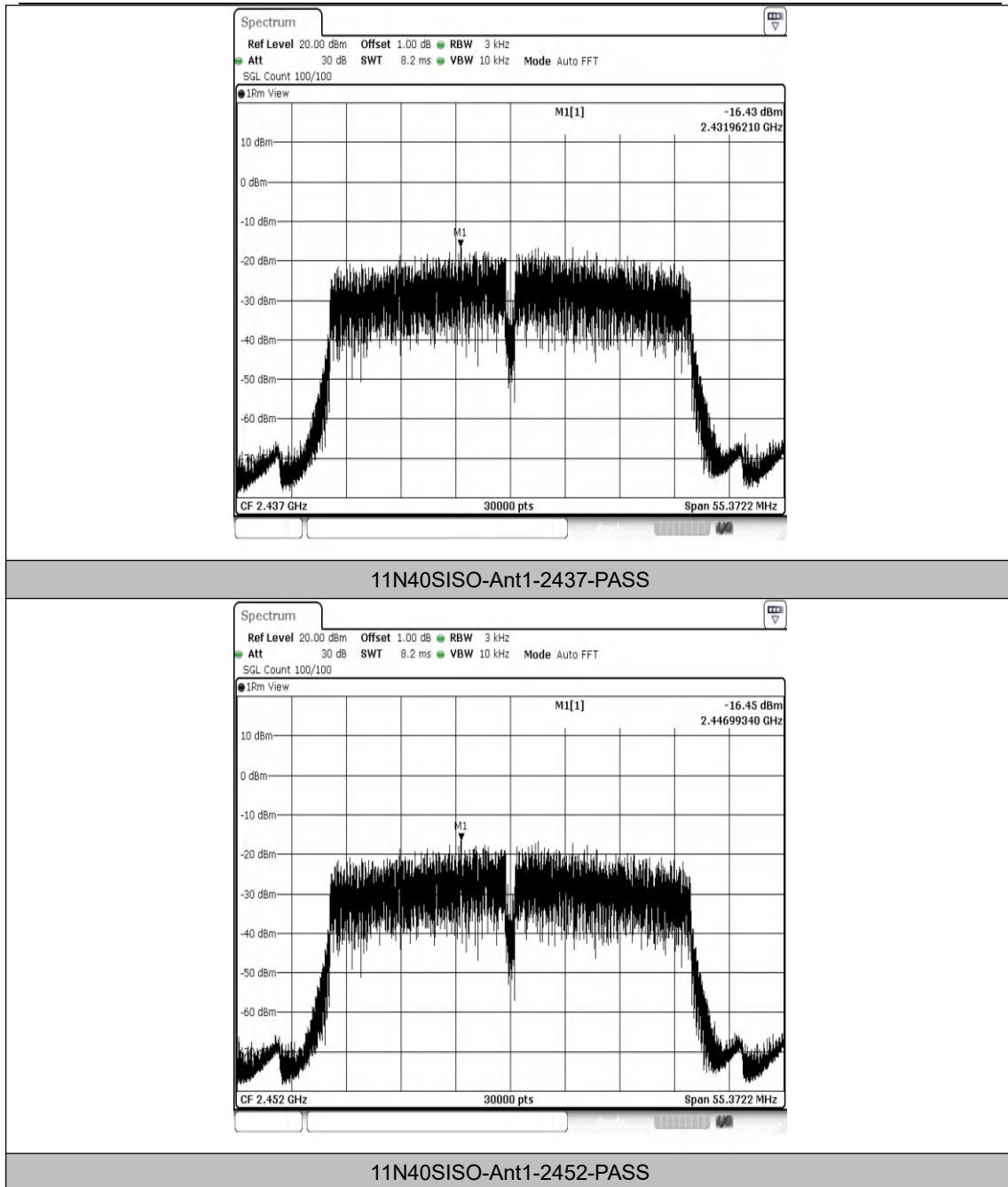
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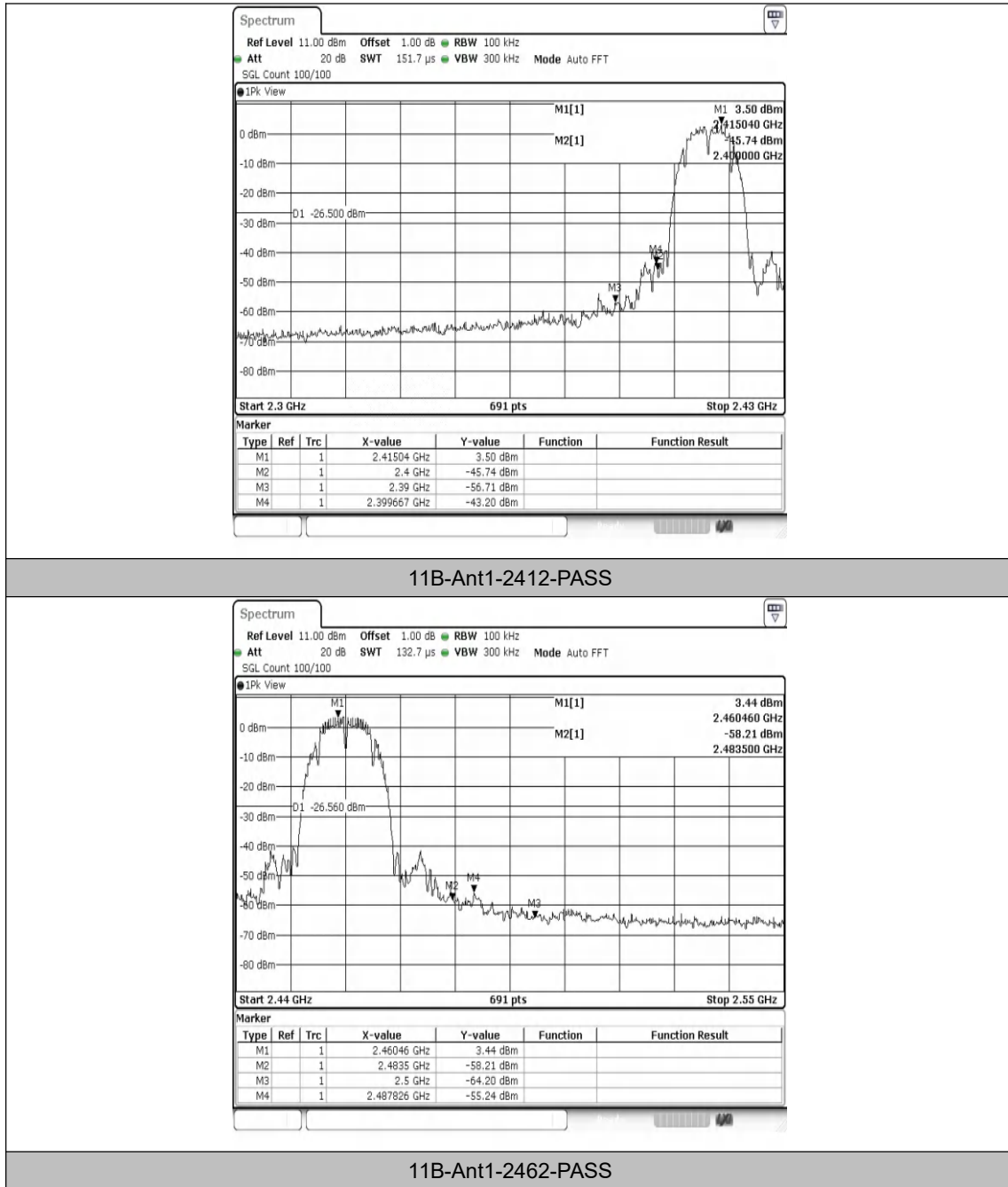
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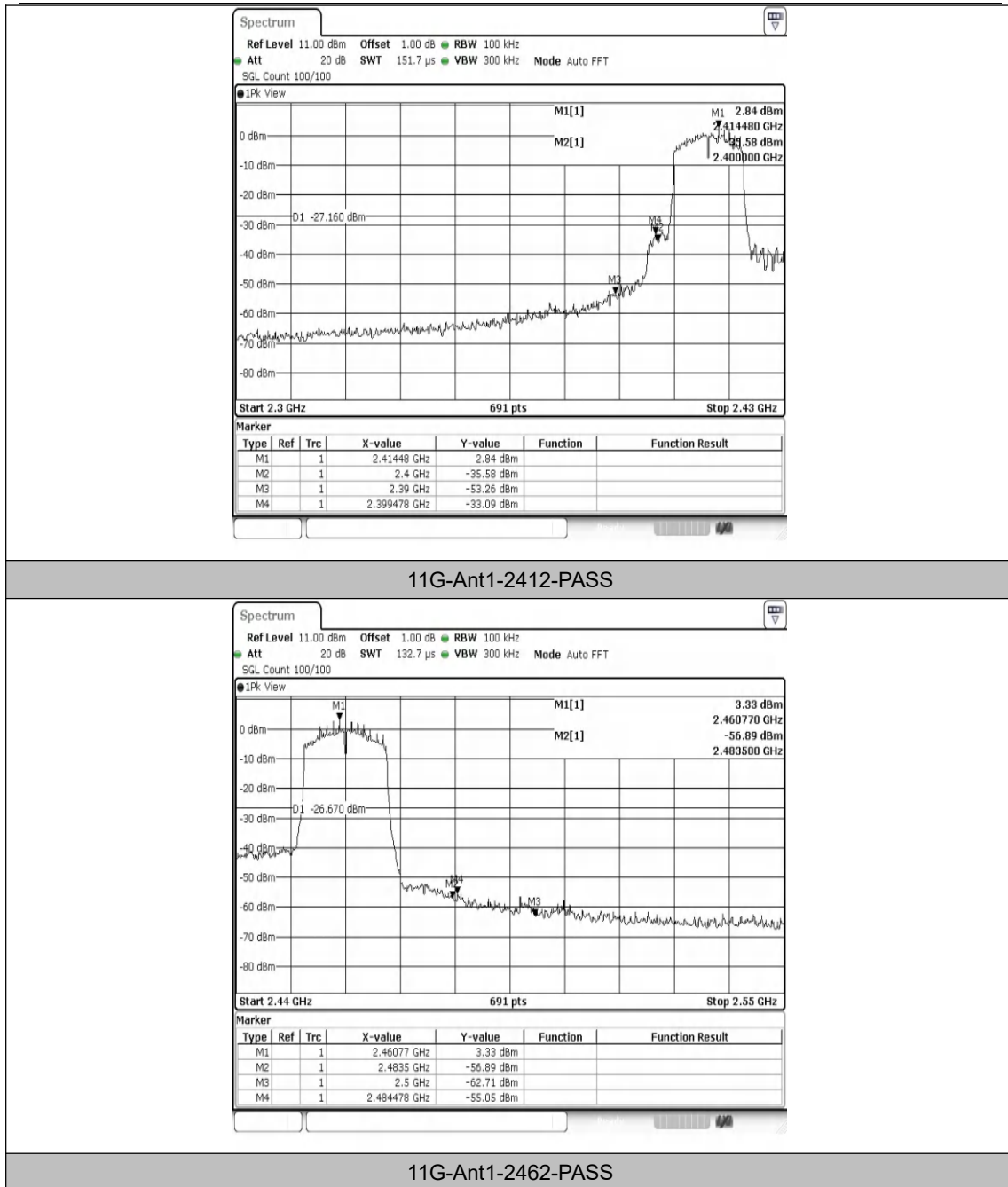
Appendix E: Conducted Band edge

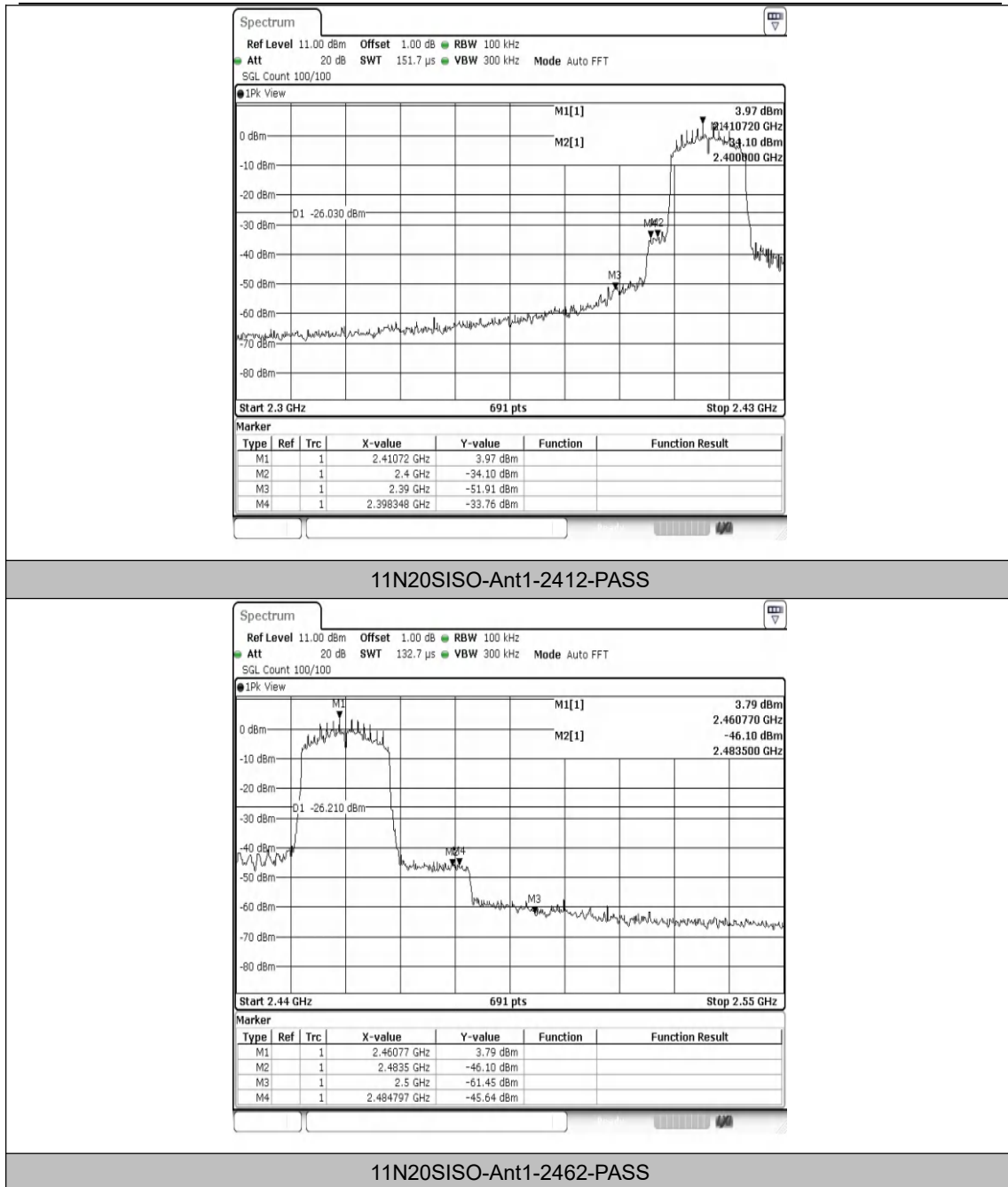
Test Result

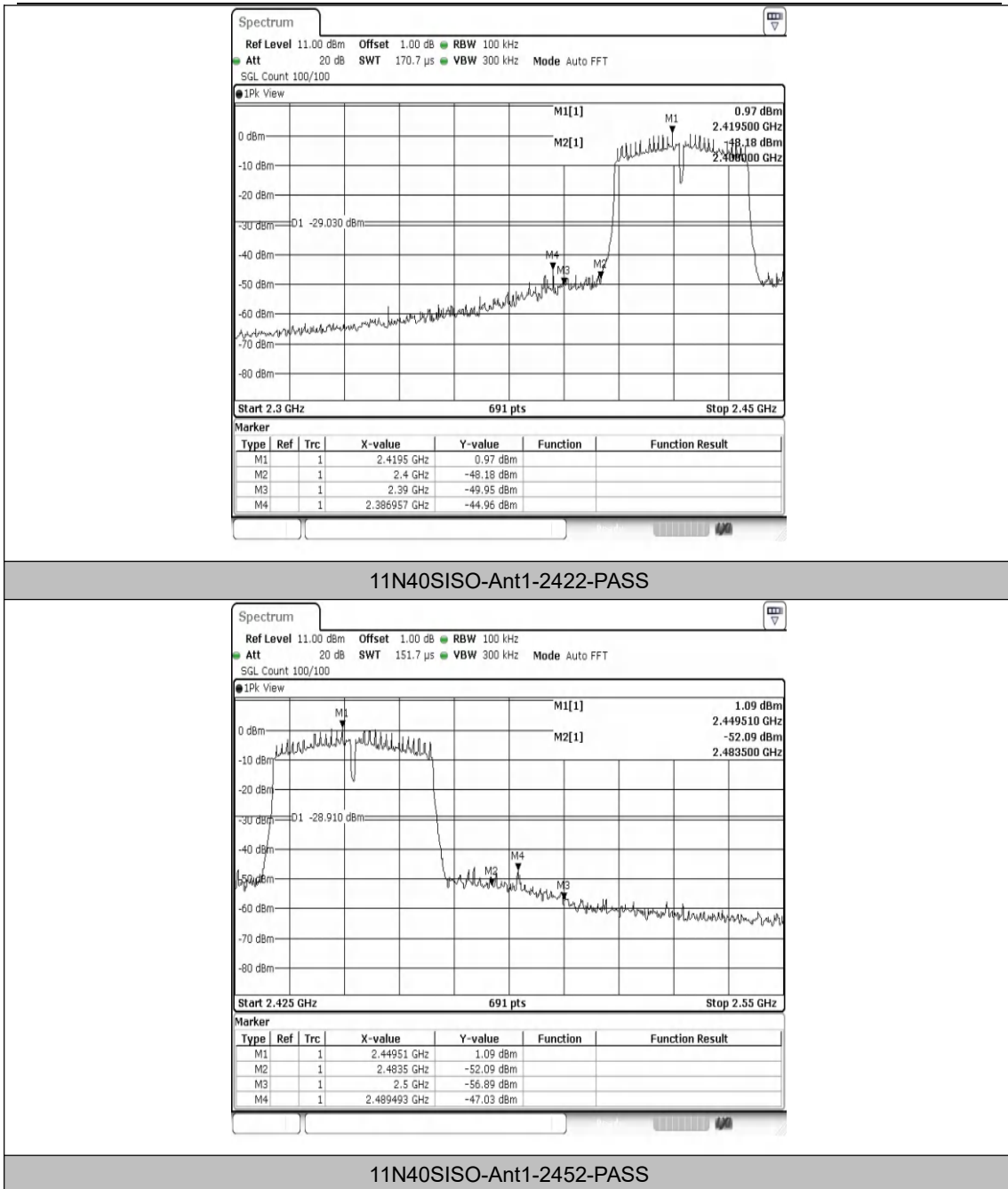
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.50	-43.2	≤-26.5	PASS
11B	Ant1	High	2462	3.44	-55.24	≤-26.56	PASS
11G	Ant1	Low	2412	2.84	-33.09	≤-27.16	PASS
11G	Ant1	High	2462	3.33	-55.05	≤-26.67	PASS
11N20SISO	Ant1	Low	2412	3.97	-33.76	≤-26.03	PASS
11N20SISO	Ant1	High	2462	3.79	-45.64	≤-26.21	PASS
11N40SISO	Ant1	Low	2422	0.97	-44.96	≤-29.03	PASS
11N40SISO	Ant1	High	2452	1.09	-47.03	≤-28.91	PASS

Test Graphs









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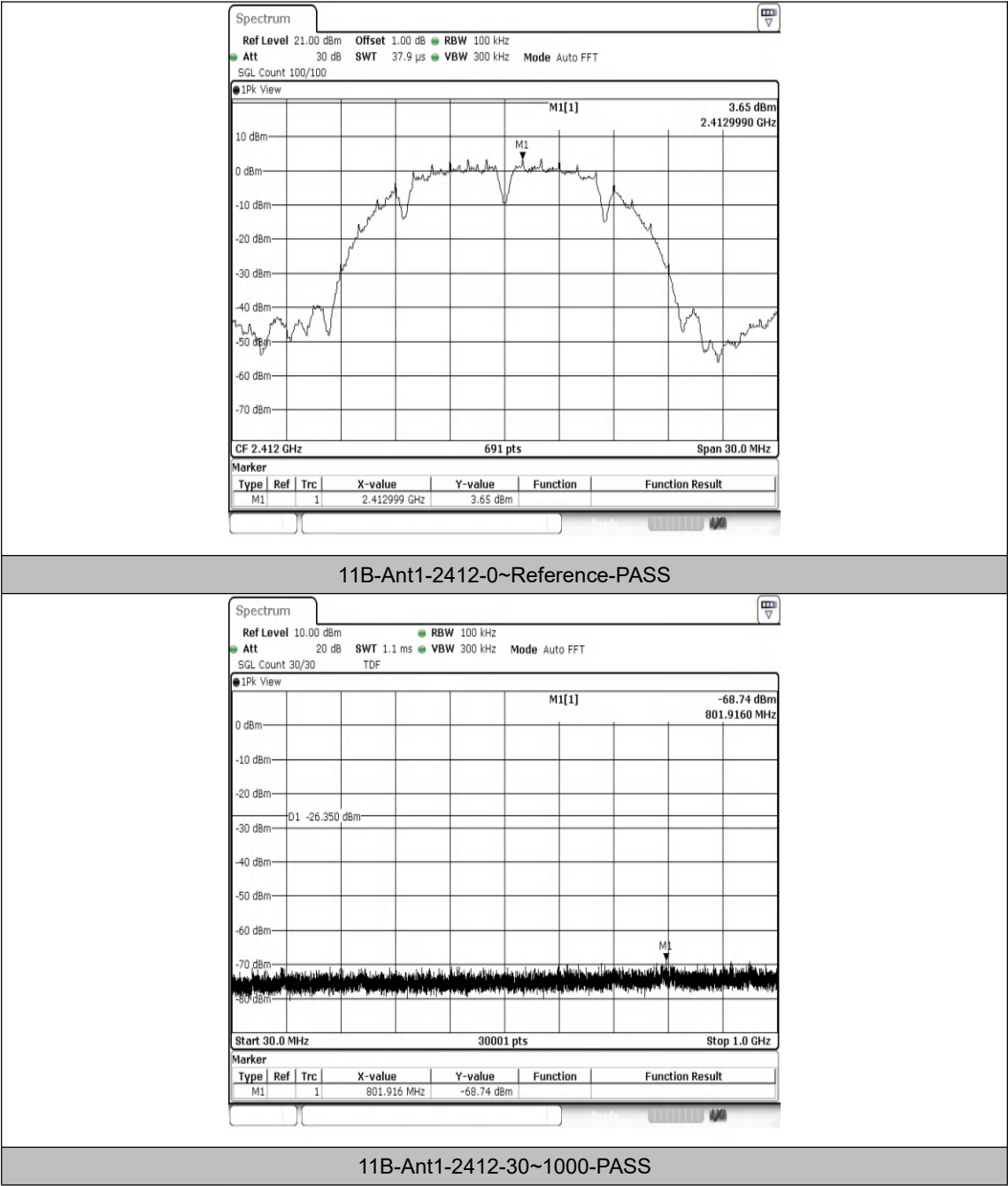
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.65	3.65	---	PASS
11B	Ant1	2412	30~1000	3.65	-68.74	≤-26.35	PASS
11B	Ant1	2412	1000~26500	3.65	-49.29	≤-26.35	PASS
11B	Ant1	2437	0~Reference	3.90	3.90	---	PASS
11B	Ant1	2437	30~1000	3.90	-69.3	≤-26.1	PASS
11B	Ant1	2437	1000~26500	3.90	-52.71	≤-26.1	PASS
11B	Ant1	2462	0~Reference	3.81	3.81	---	PASS
11B	Ant1	2462	30~1000	3.81	-68.66	≤-26.19	PASS
11B	Ant1	2462	1000~26500	3.81	-53.86	≤-26.19	PASS
11G	Ant1	2412	0~Reference	1.51	1.51	---	PASS
11G	Ant1	2412	30~1000	1.51	-69.34	≤-28.49	PASS
11G	Ant1	2412	1000~26500	1.51	-55	≤-28.49	PASS
11G	Ant1	2437	0~Reference	2.05	2.05	---	PASS
11G	Ant1	2437	30~1000	2.05	-68.52	≤-27.95	PASS
11G	Ant1	2437	1000~26500	2.05	-54.99	≤-27.95	PASS
11G	Ant1	2462	0~Reference	3.28	3.28	---	PASS
11G	Ant1	2462	30~1000	3.28	-68.79	≤-26.72	PASS
11G	Ant1	2462	1000~26500	3.28	-54.6	≤-26.72	PASS
11N20SISO	Ant1	2412	0~Reference	3.21	3.21	---	PASS
11N20SISO	Ant1	2412	30~1000	3.21	-69.28	≤-26.79	PASS
11N20SISO	Ant1	2412	1000~26500	3.21	-54.68	≤-26.79	PASS
11N20SISO	Ant1	2437	0~Reference	3.84	3.84	---	PASS
11N20SISO	Ant1	2437	30~1000	3.84	-68.93	≤-26.16	PASS
11N20SISO	Ant1	2437	1000~26500	3.84	-54.83	≤-26.16	PASS
11N20SISO	Ant1	2462	0~Reference	3.54	3.54	---	PASS
11N20SISO	Ant1	2462	30~1000	3.54	-69.66	≤-26.46	PASS
11N20SISO	Ant1	2462	1000~26500	3.54	-54.41	≤-26.46	PASS
11N40SISO	Ant1	2422	0~Reference	1.21	1.21	---	PASS
11N40SISO	Ant1	2422	30~1000	1.21	-69.18	≤-28.79	PASS
11N40SISO	Ant1	2422	1000~26500	1.21	-55.19	≤-28.79	PASS
11N40SISO	Ant1	2437	0~Reference	1.26	1.26	---	PASS
11N40SISO	Ant1	2437	30~1000	1.26	-68.91	≤-28.74	PASS
11N40SISO	Ant1	2437	1000~26500	1.26	-54.66	≤-28.74	PASS
11N40SISO	Ant1	2452	0~Reference	1.12	1.12	---	PASS
11N40SISO	Ant1	2452	30~1000	1.12	-68.79	≤-28.88	PASS
11N40SISO	Ant1	2452	1000~26500	1.12	-55.08	≤-28.88	PASS

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

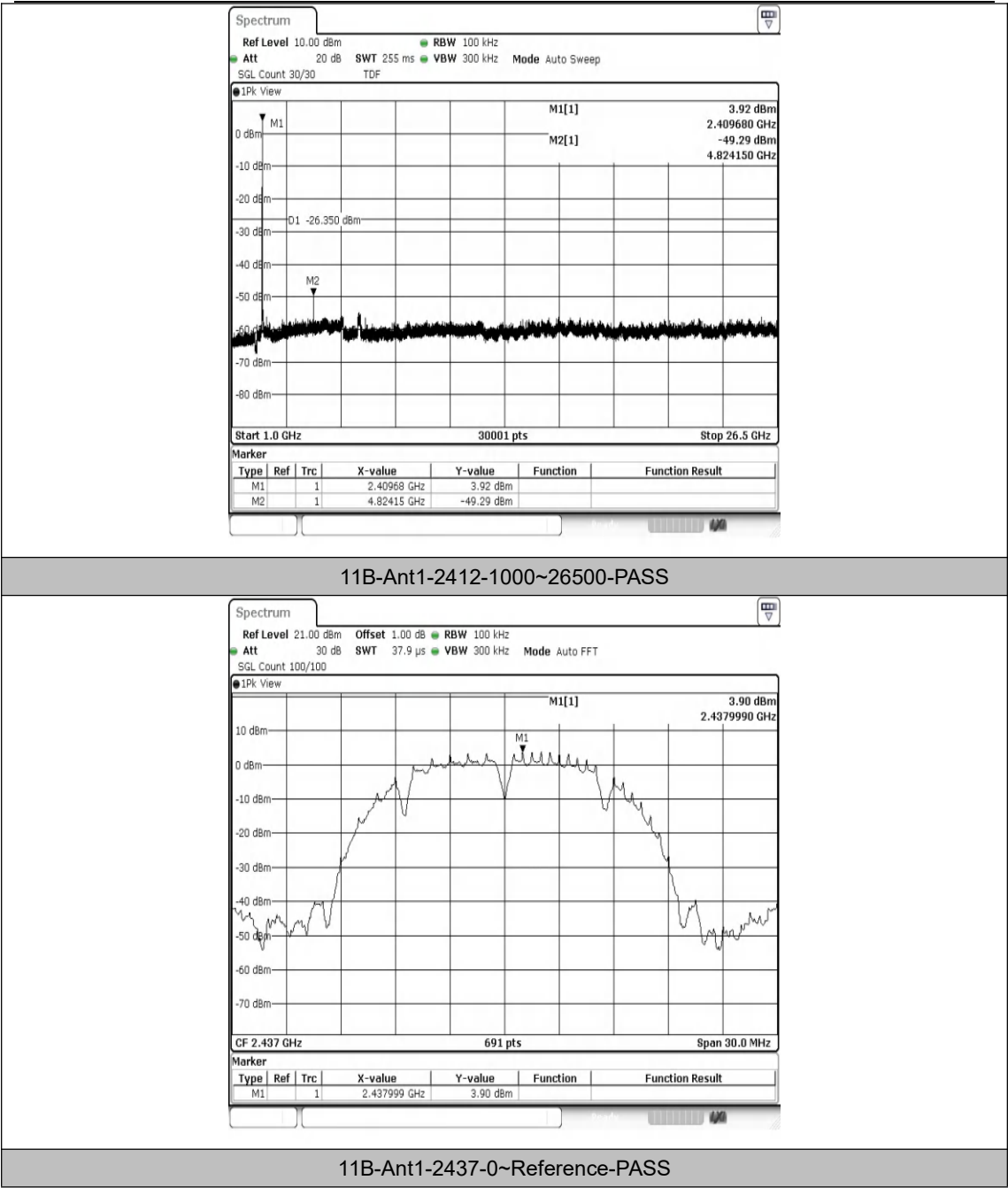
Test Graphs

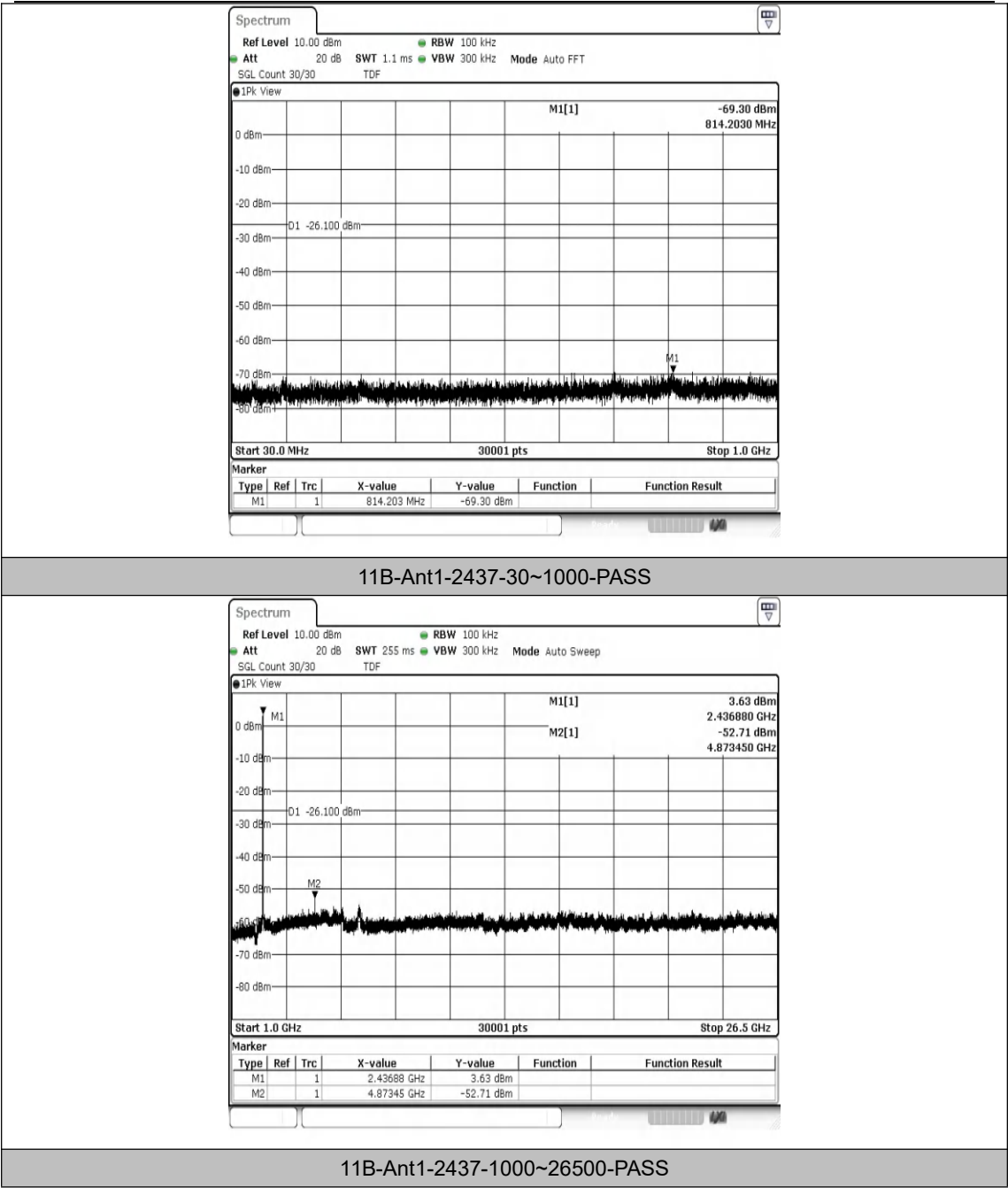


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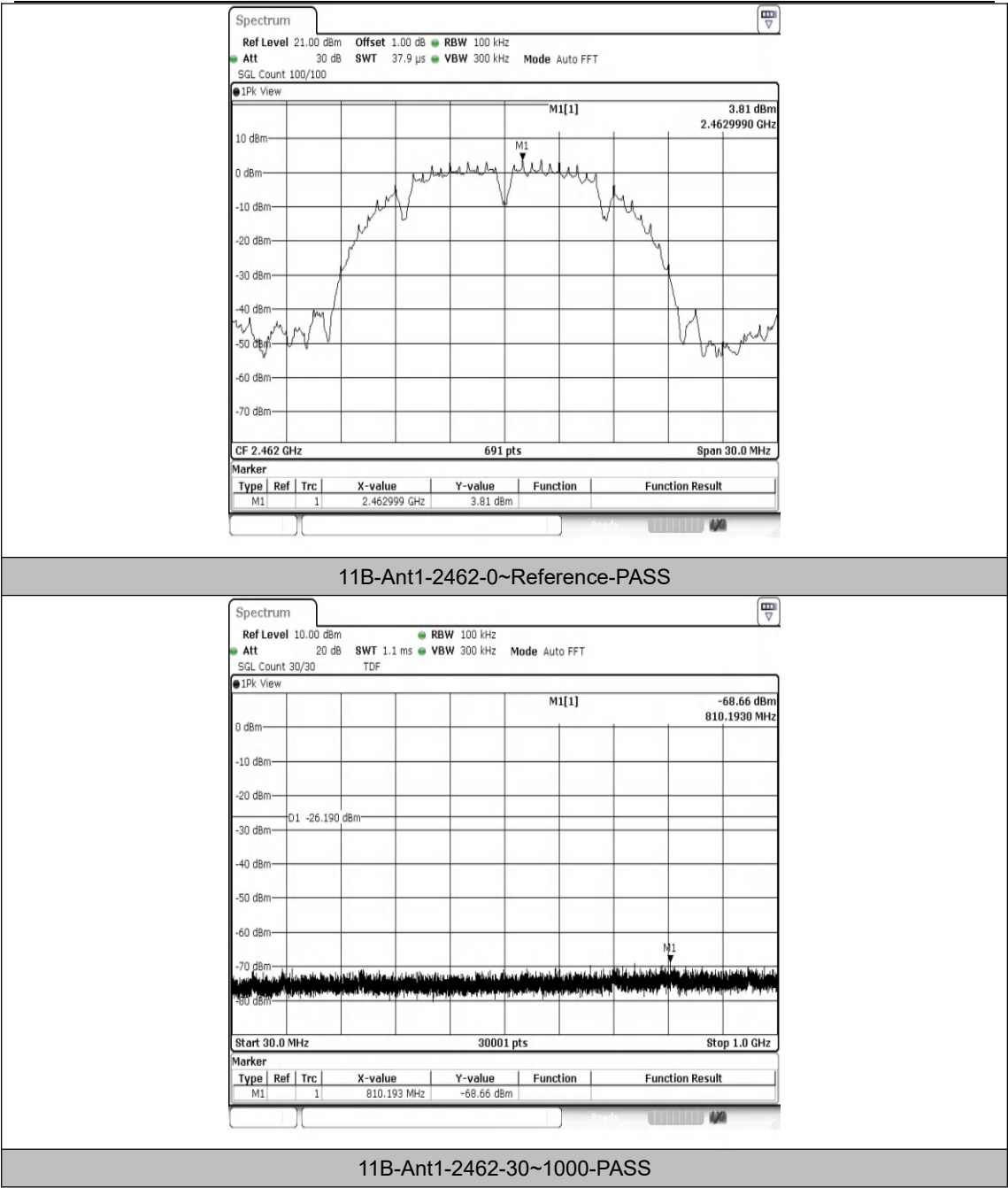


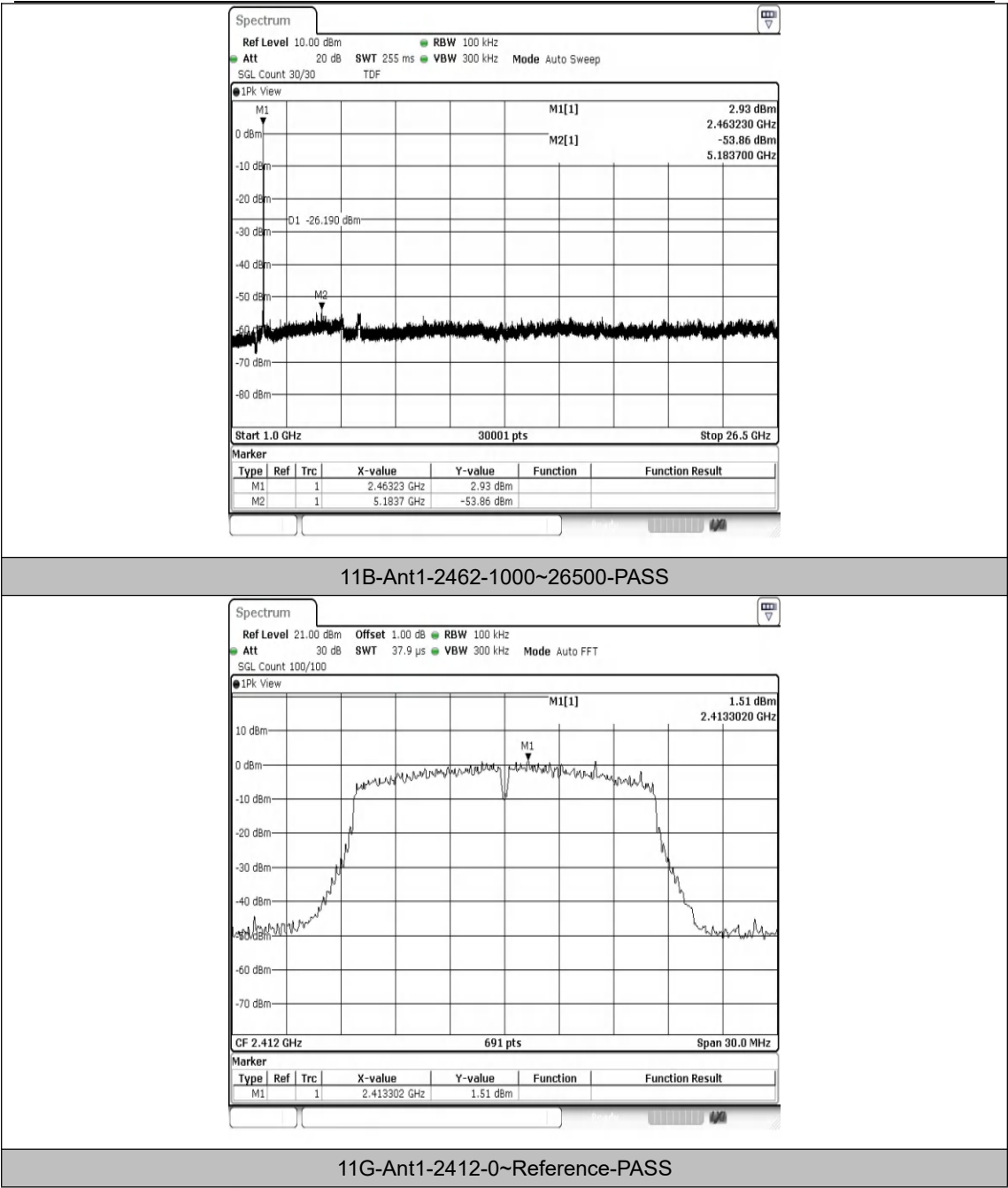


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11B-Ant1-2462-1000~26500-PASS

Spectrum

Ref Level 21.00 dBm

Offset 1.00 dB

RBW 100 kHz

Att 30 dB

SWT 37.9 μ s

VBW 300 kHz

Mode Auto FFT

SGL Count 100/100

1Pk View

M1[1]

1.51 dBm

2.4133020 GHz

M1

CF 2.412 GHz

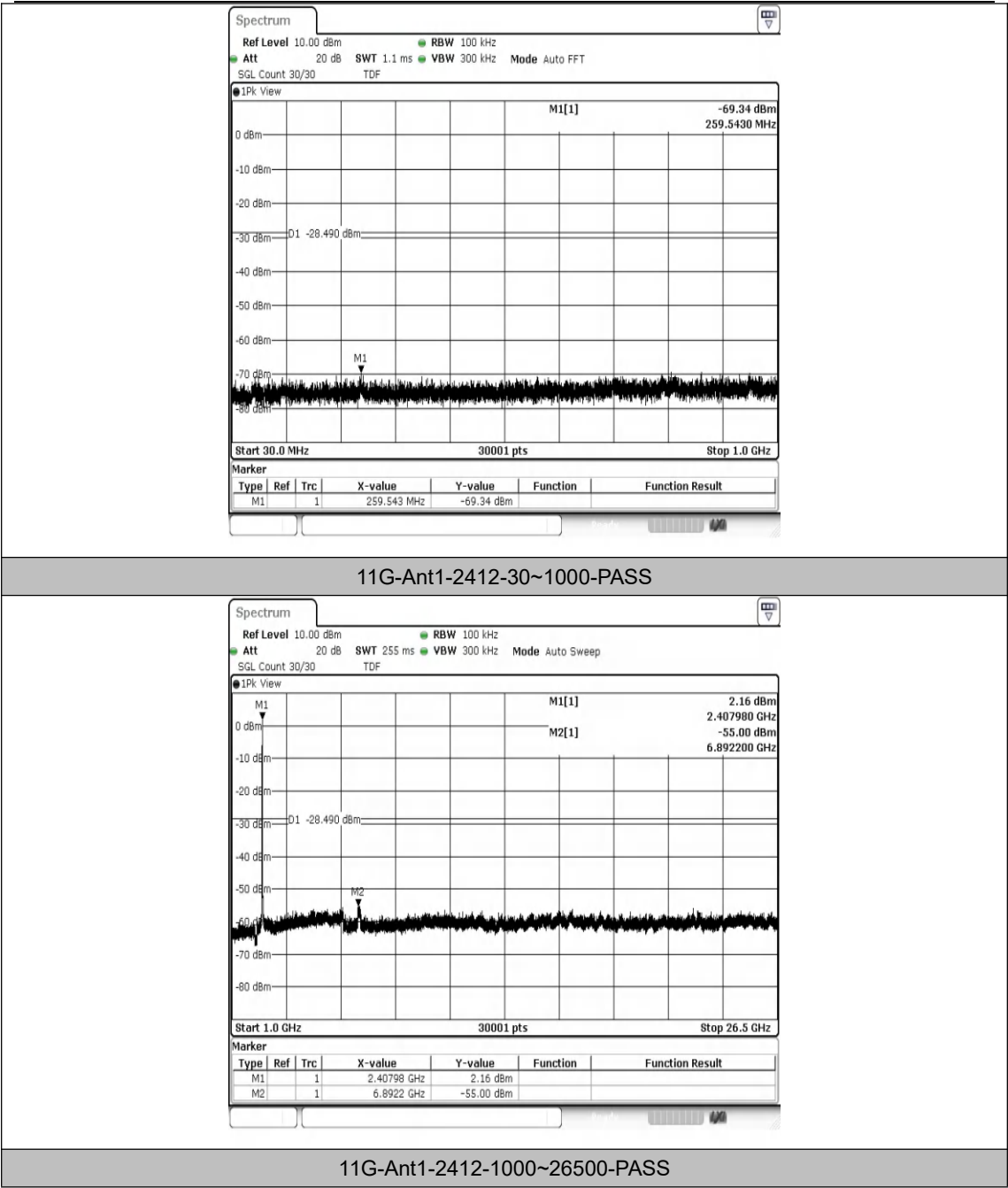
691 pts

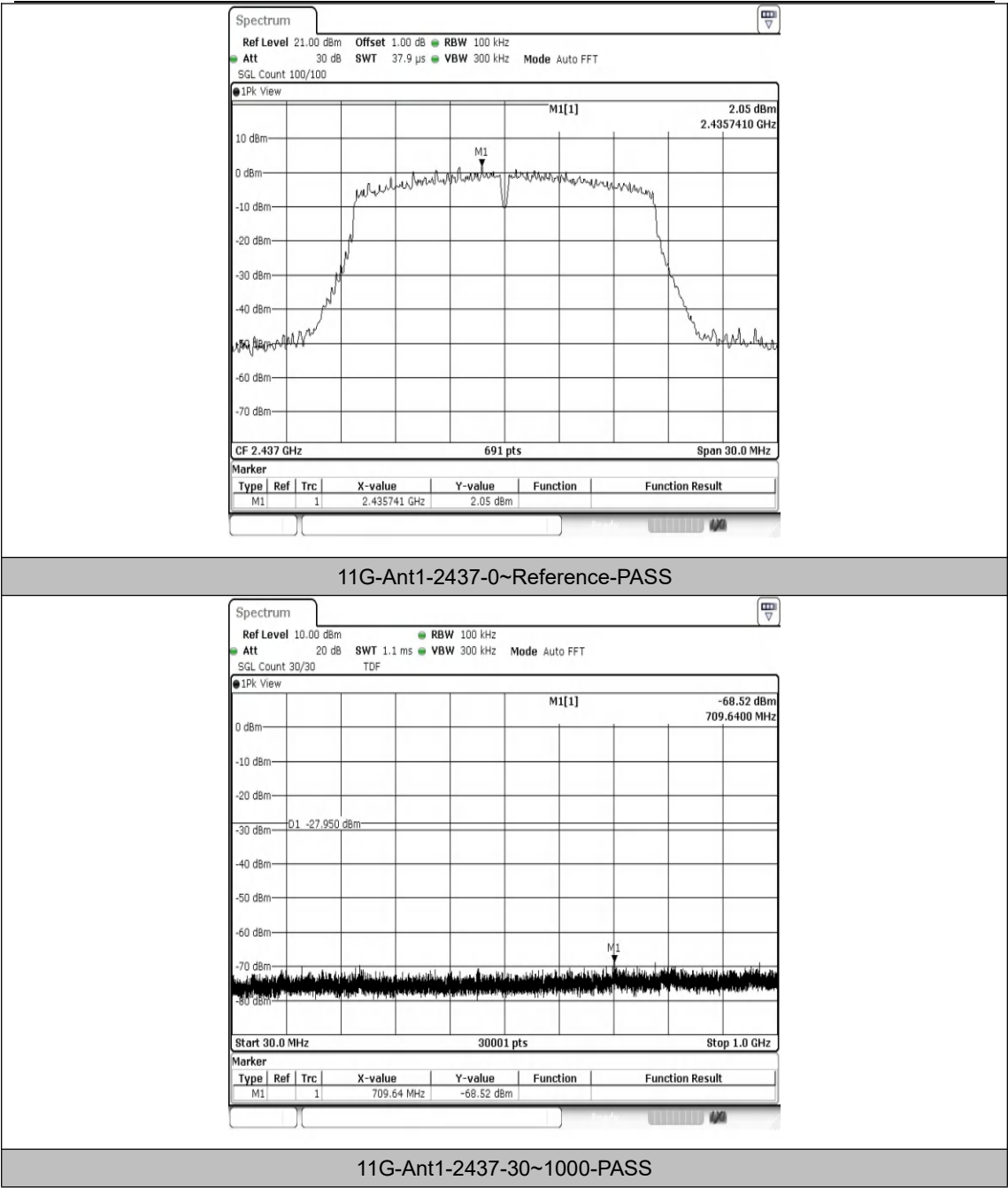
Span 30.0 MHz

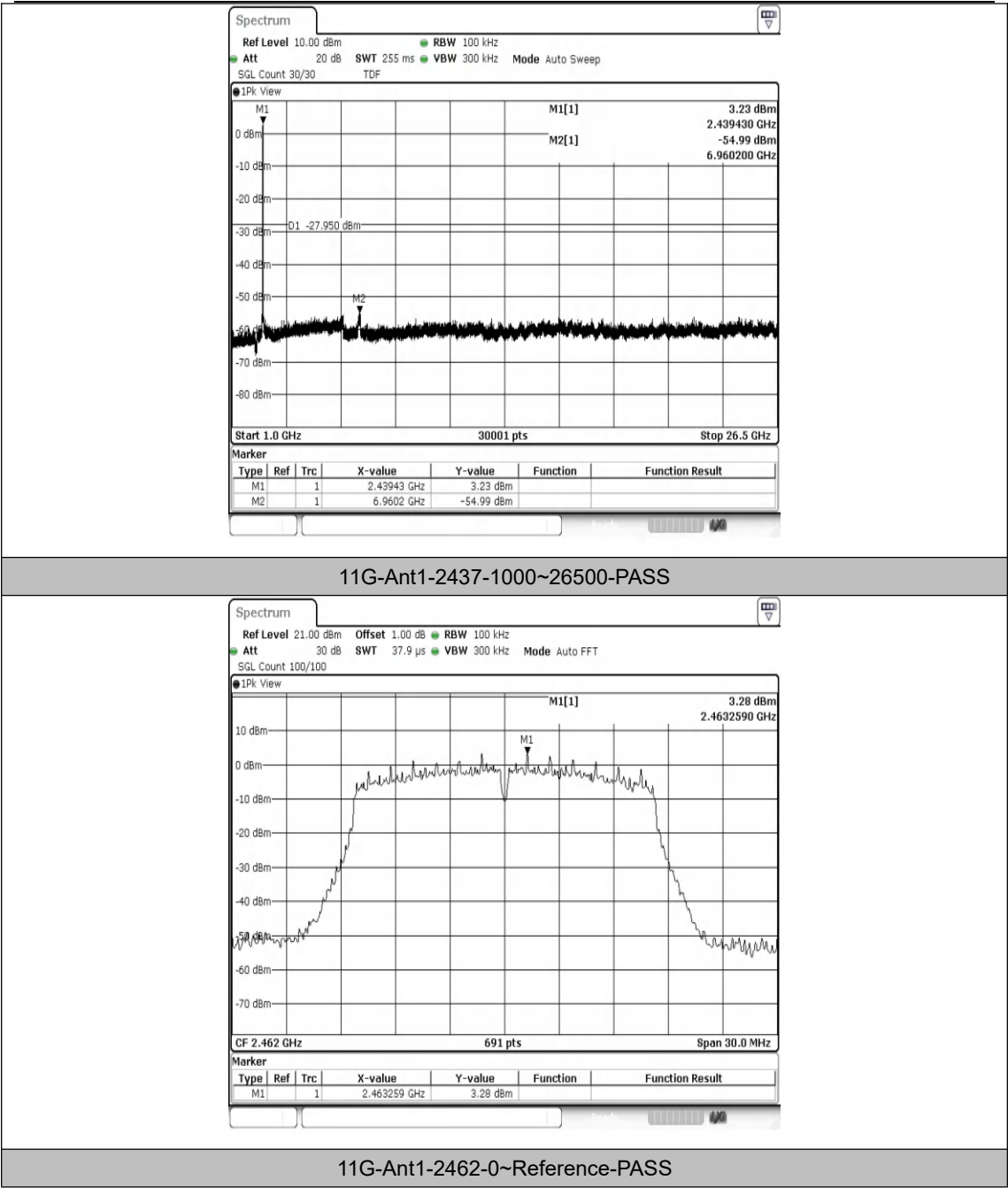
Marker

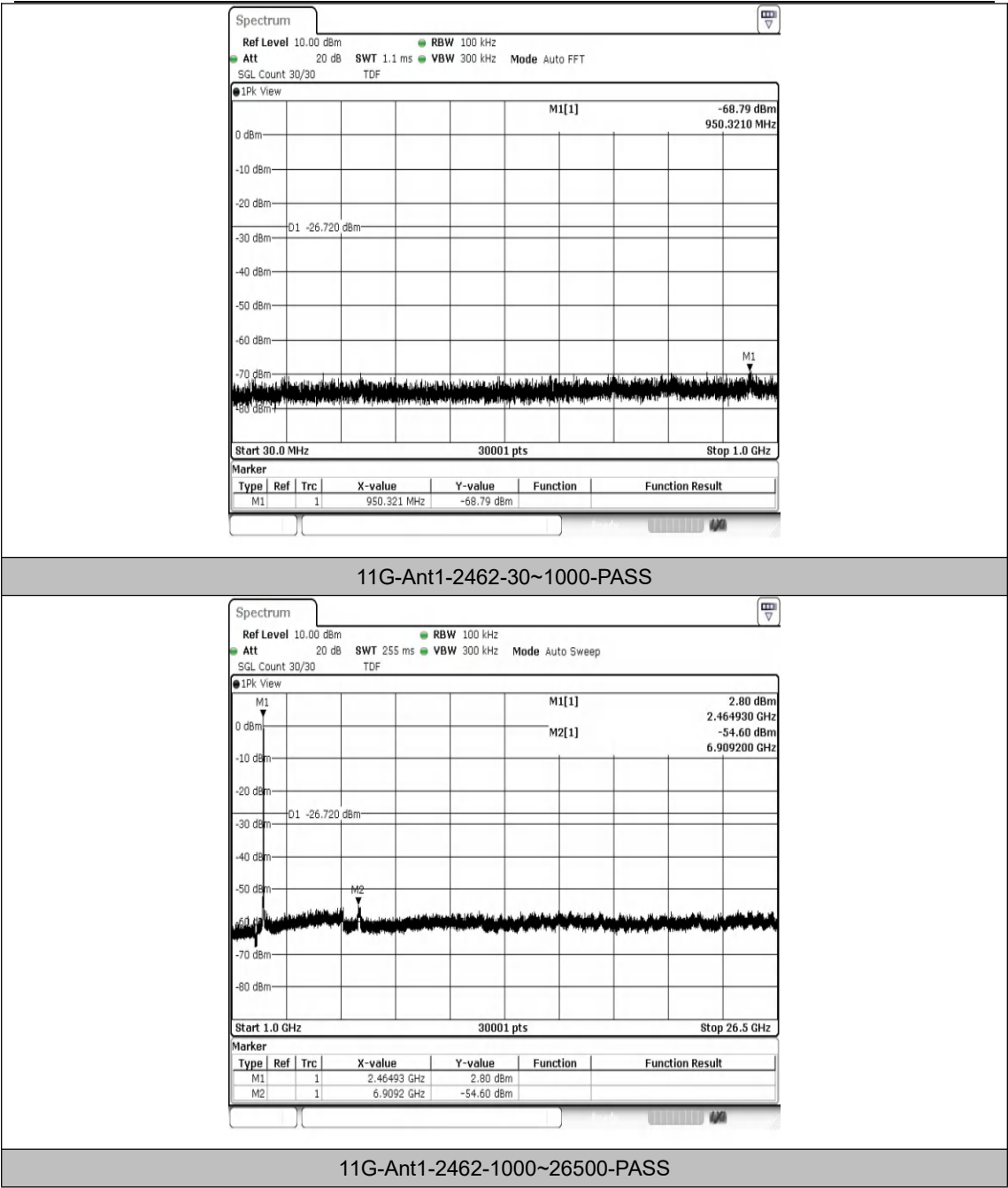
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.413302 GHz	1.51 dBm		

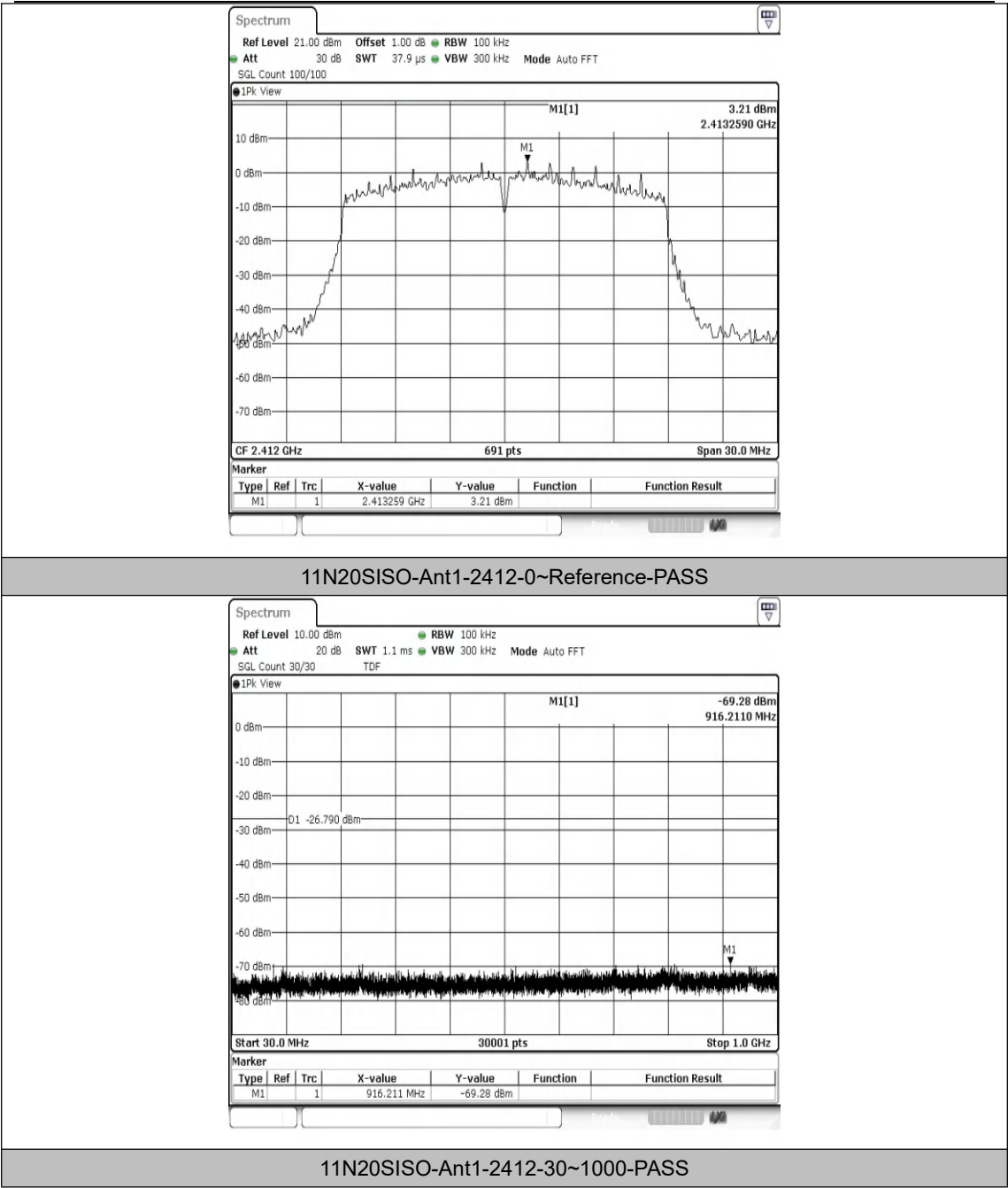
11G-Ant1-2412-0~Reference-PASS

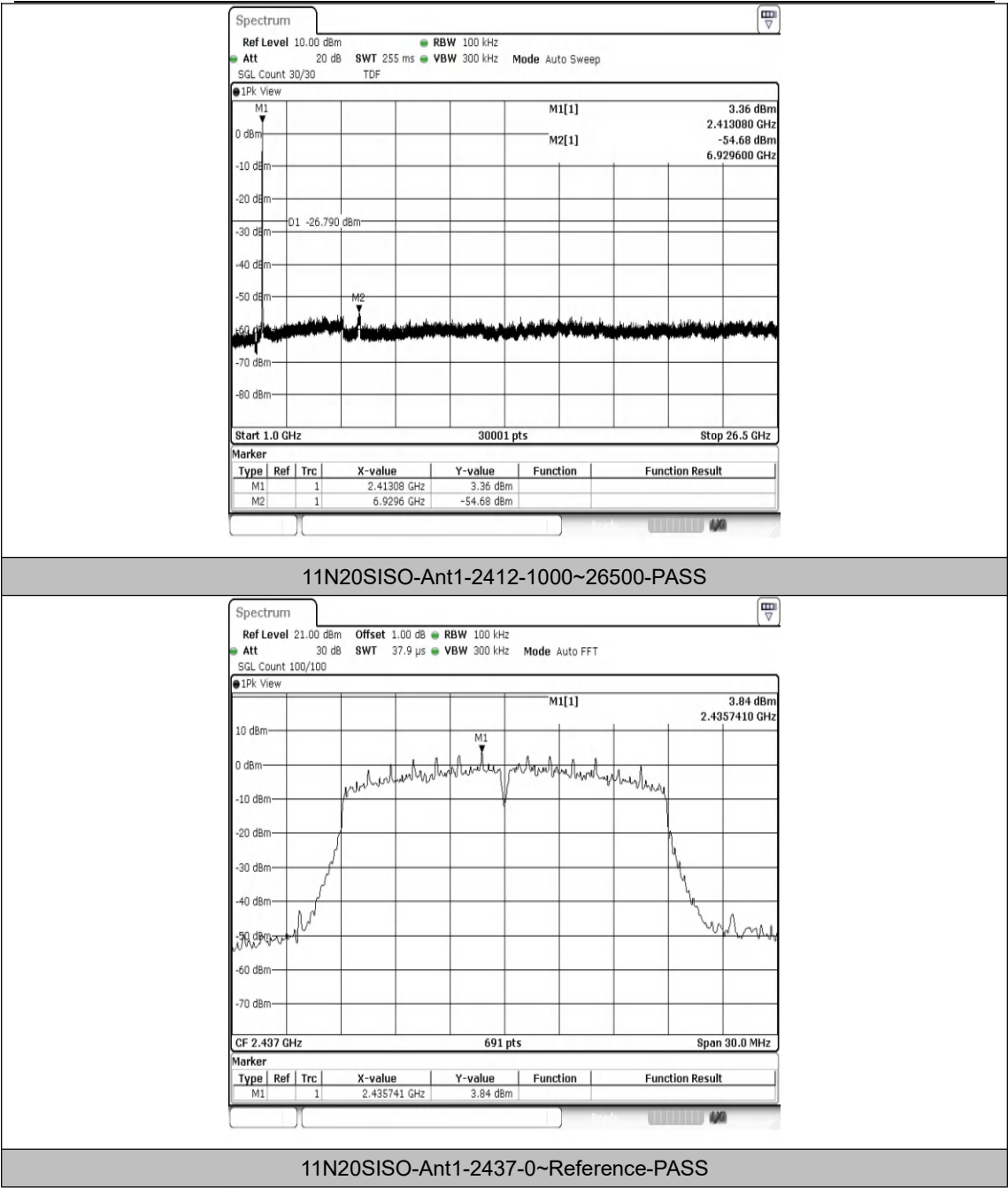


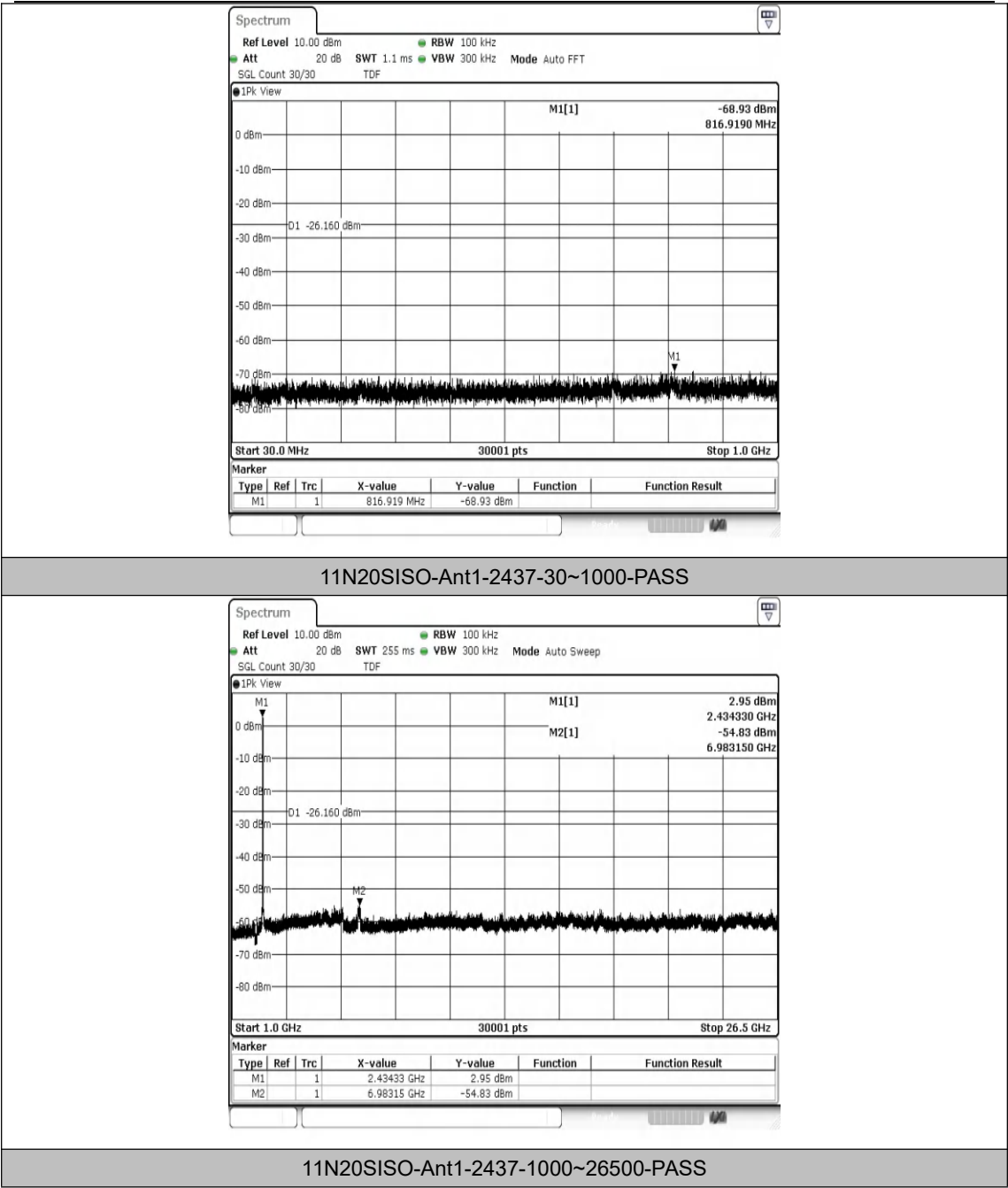


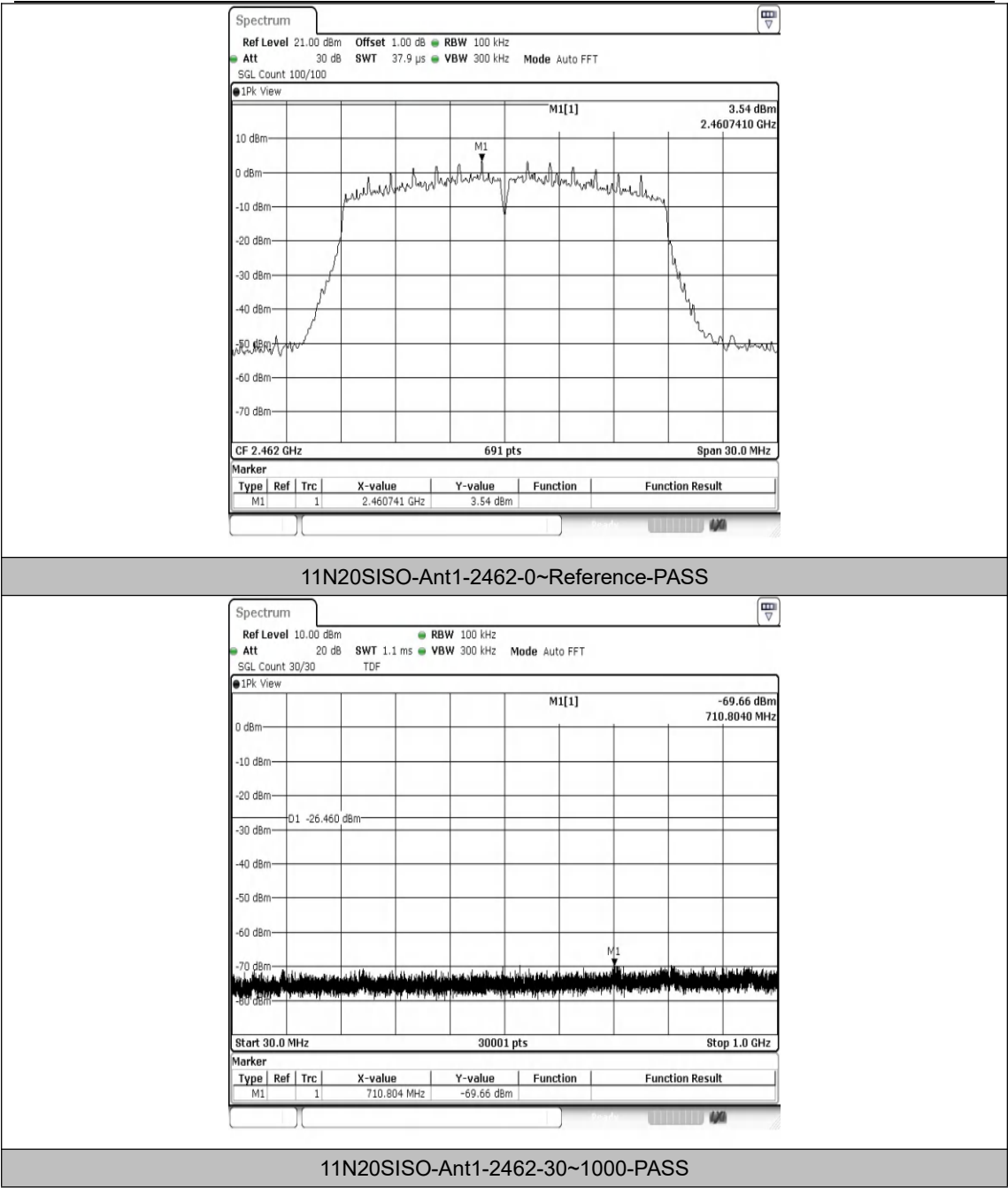


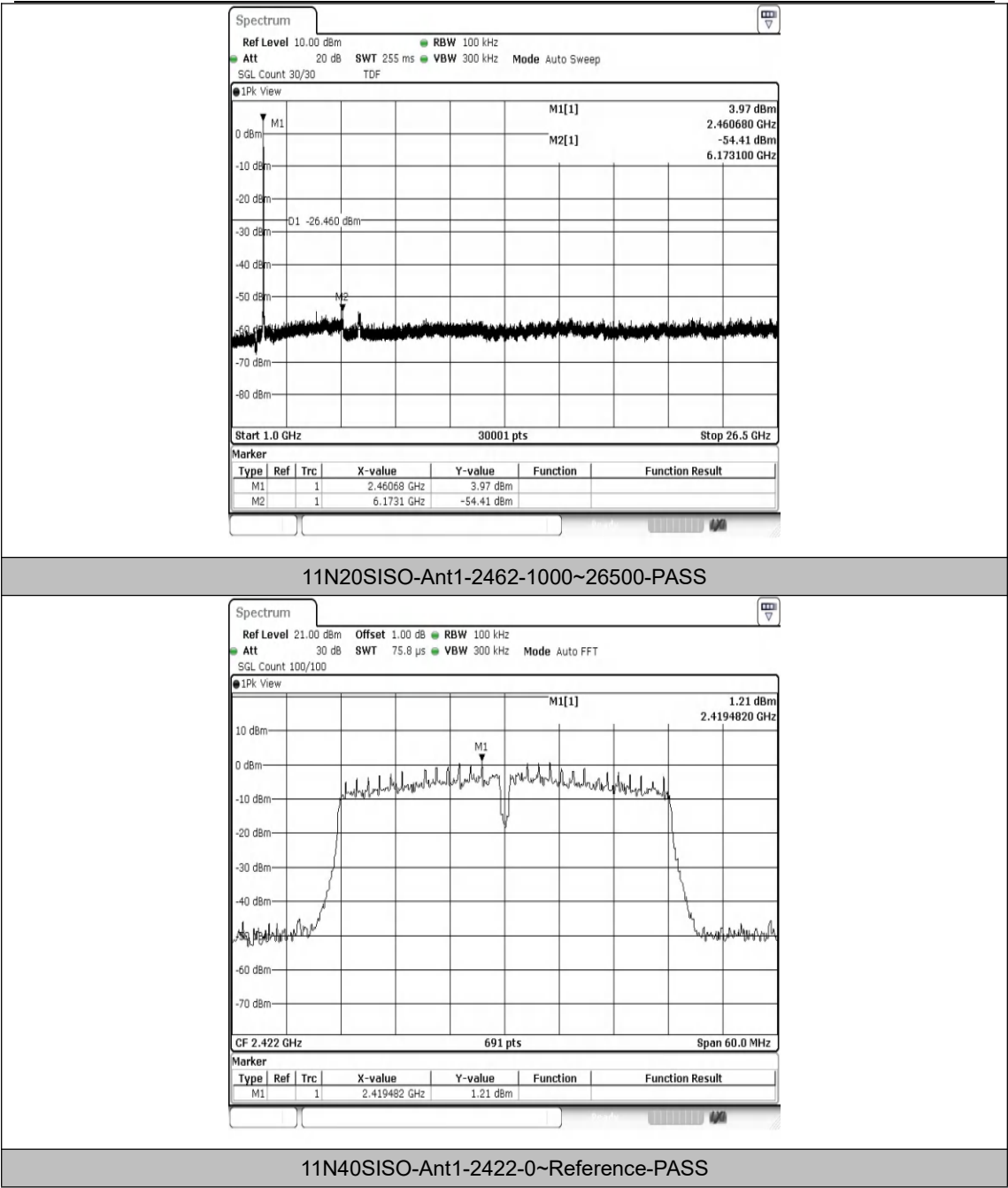


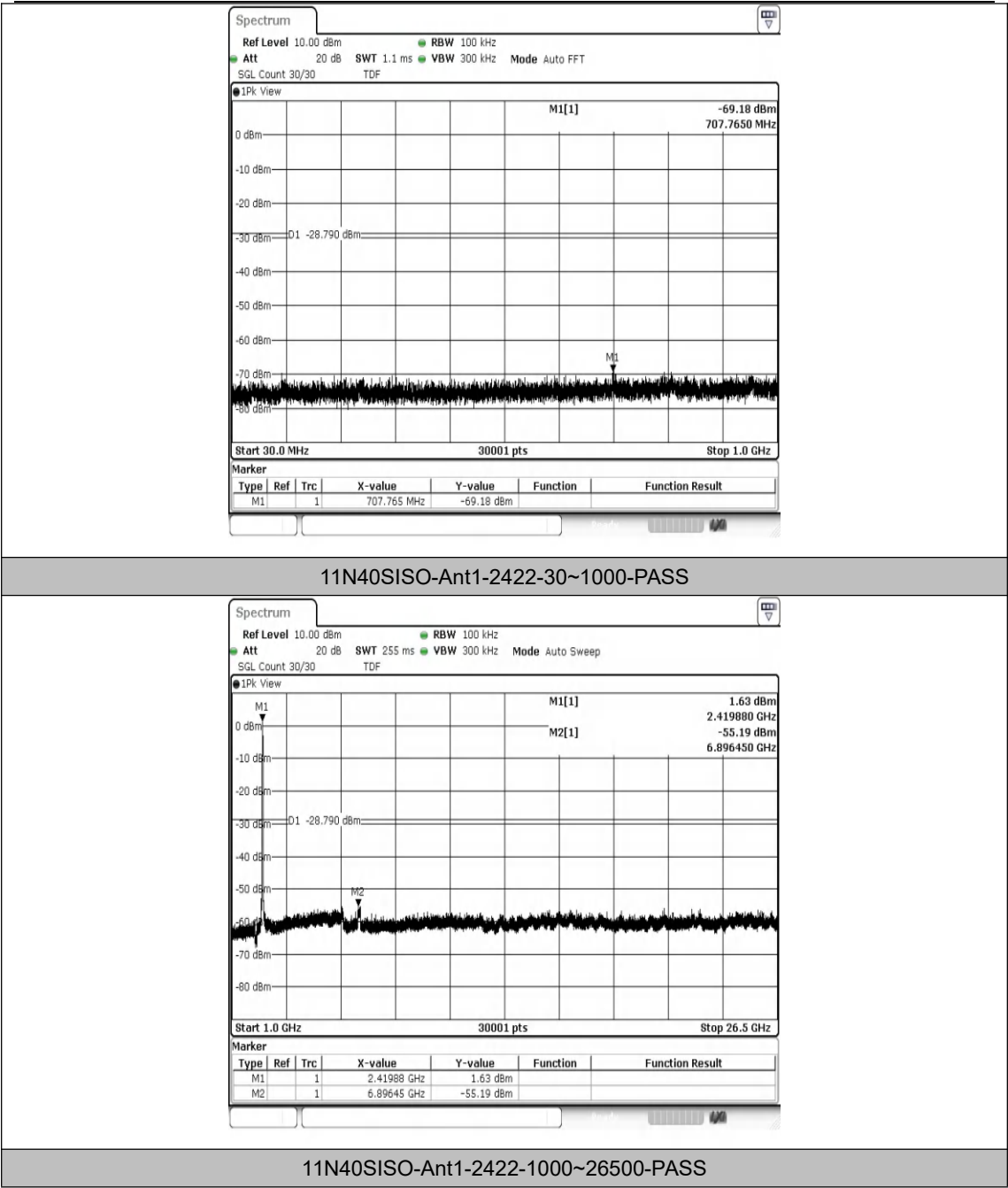


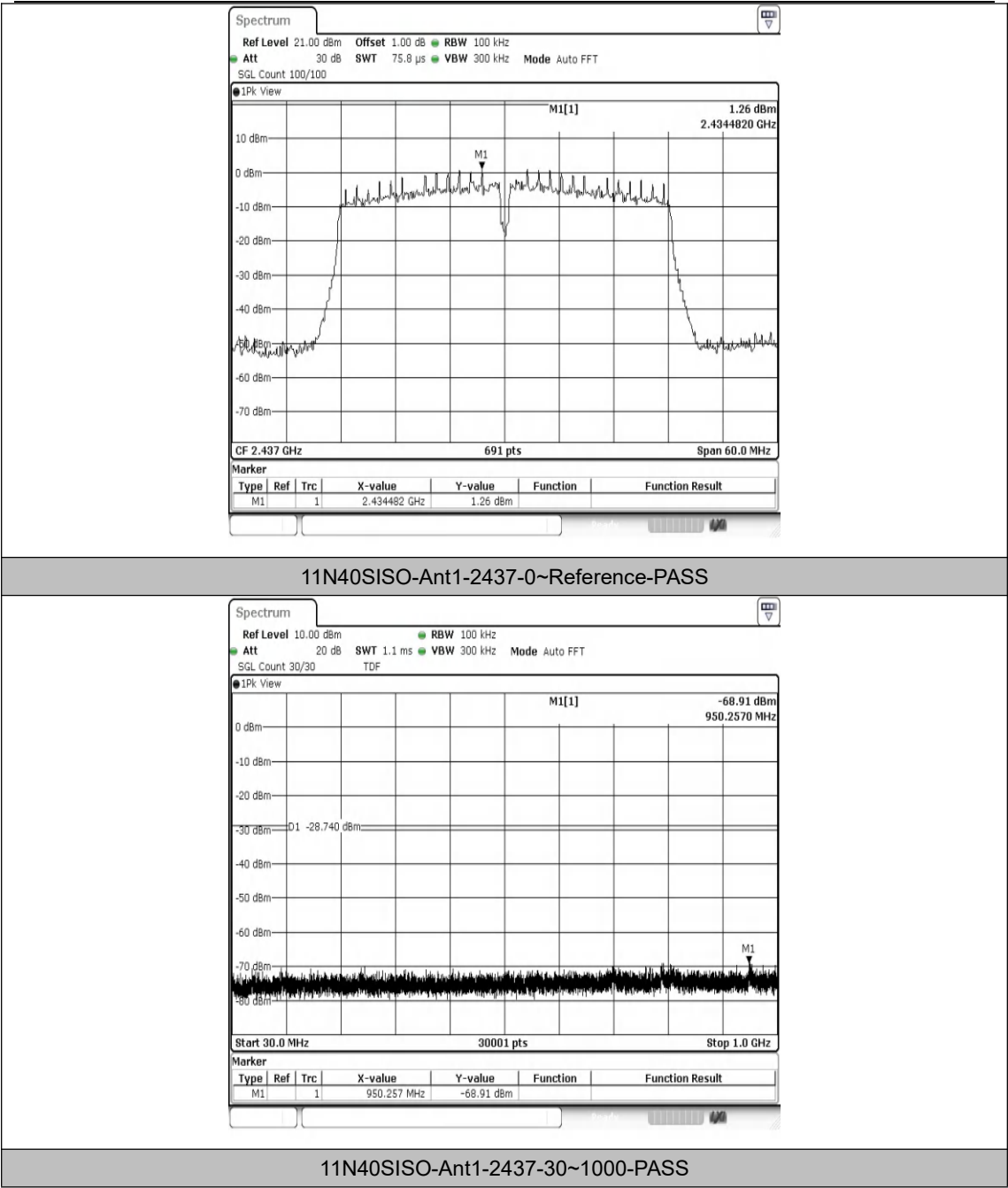


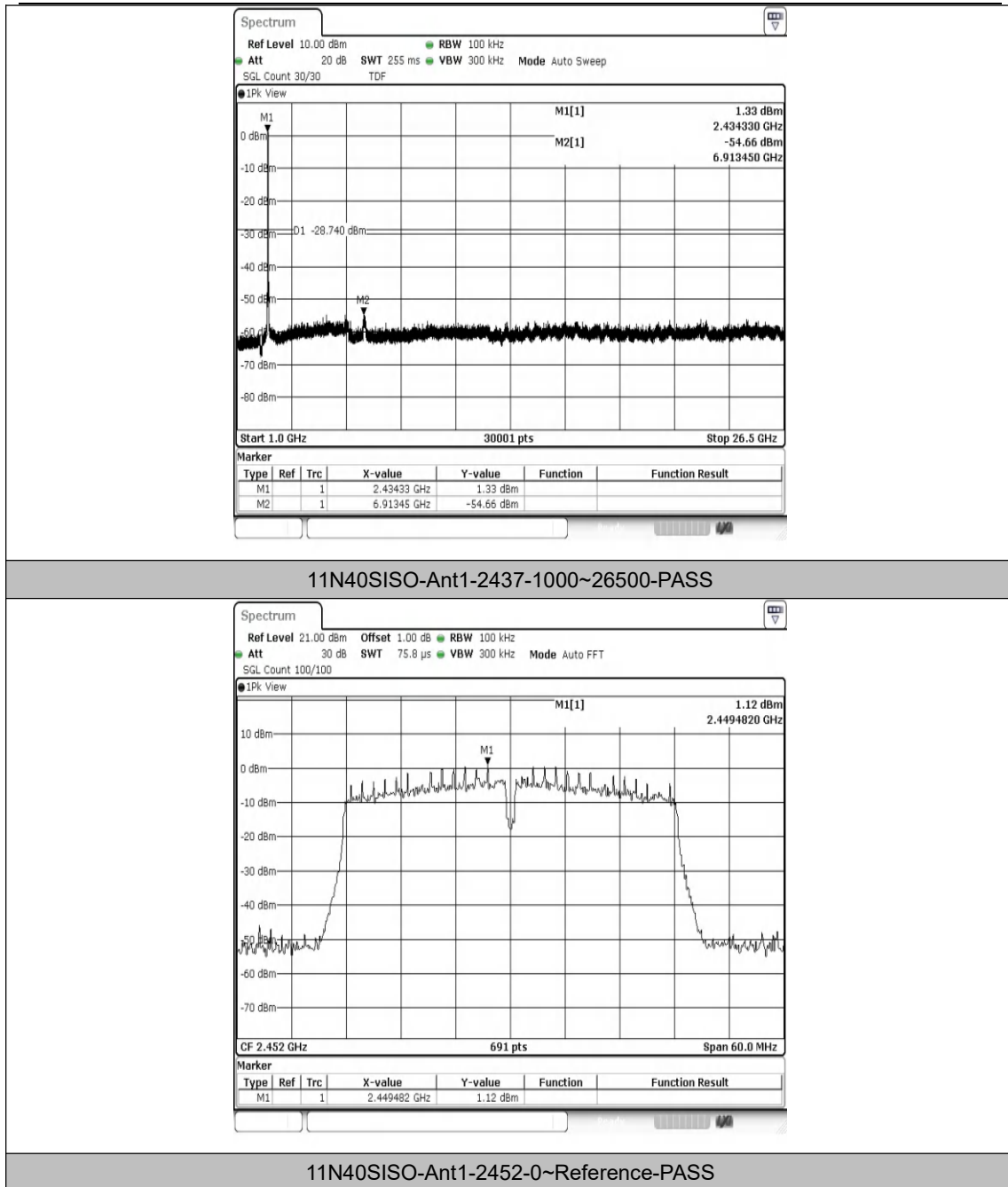


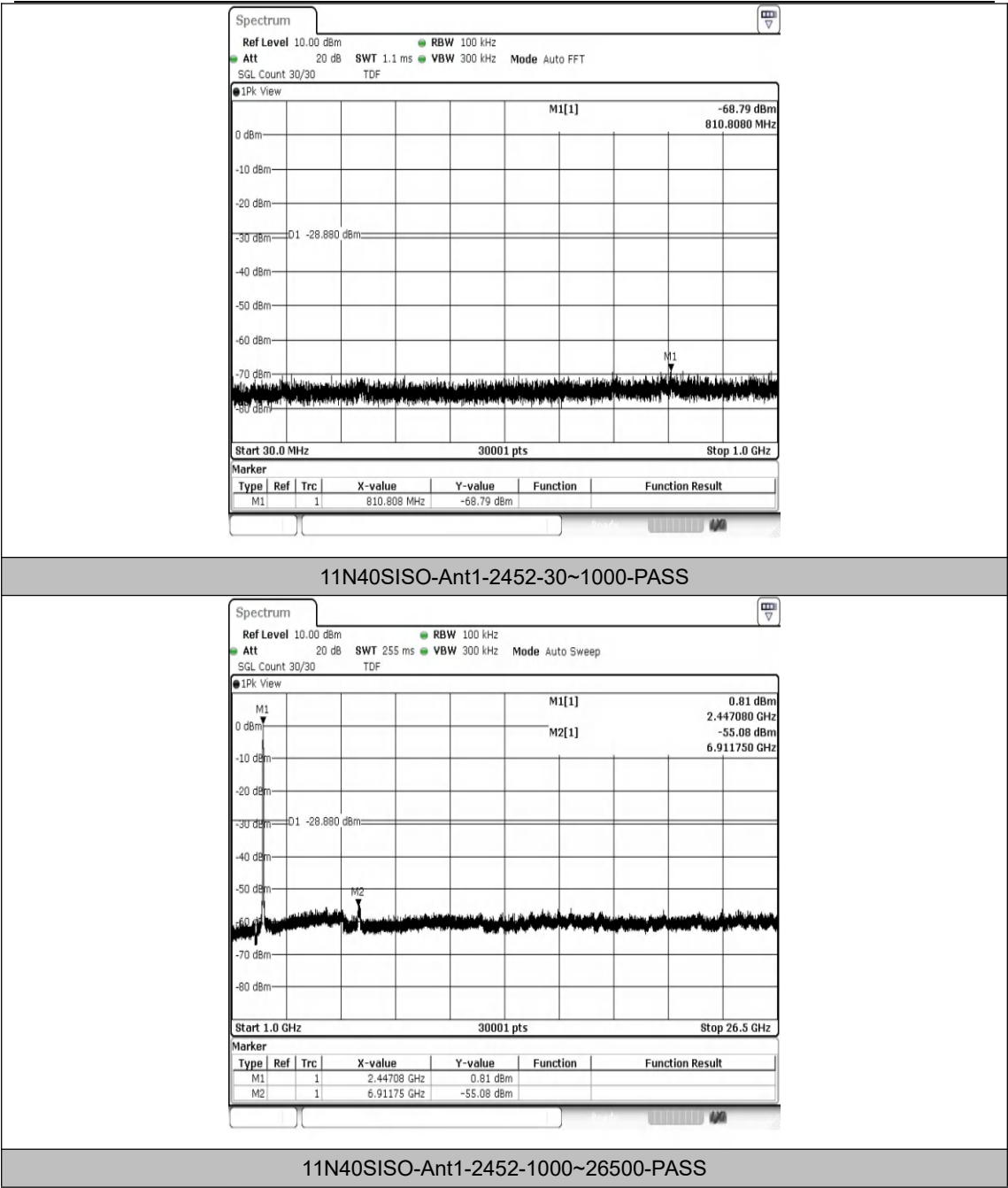










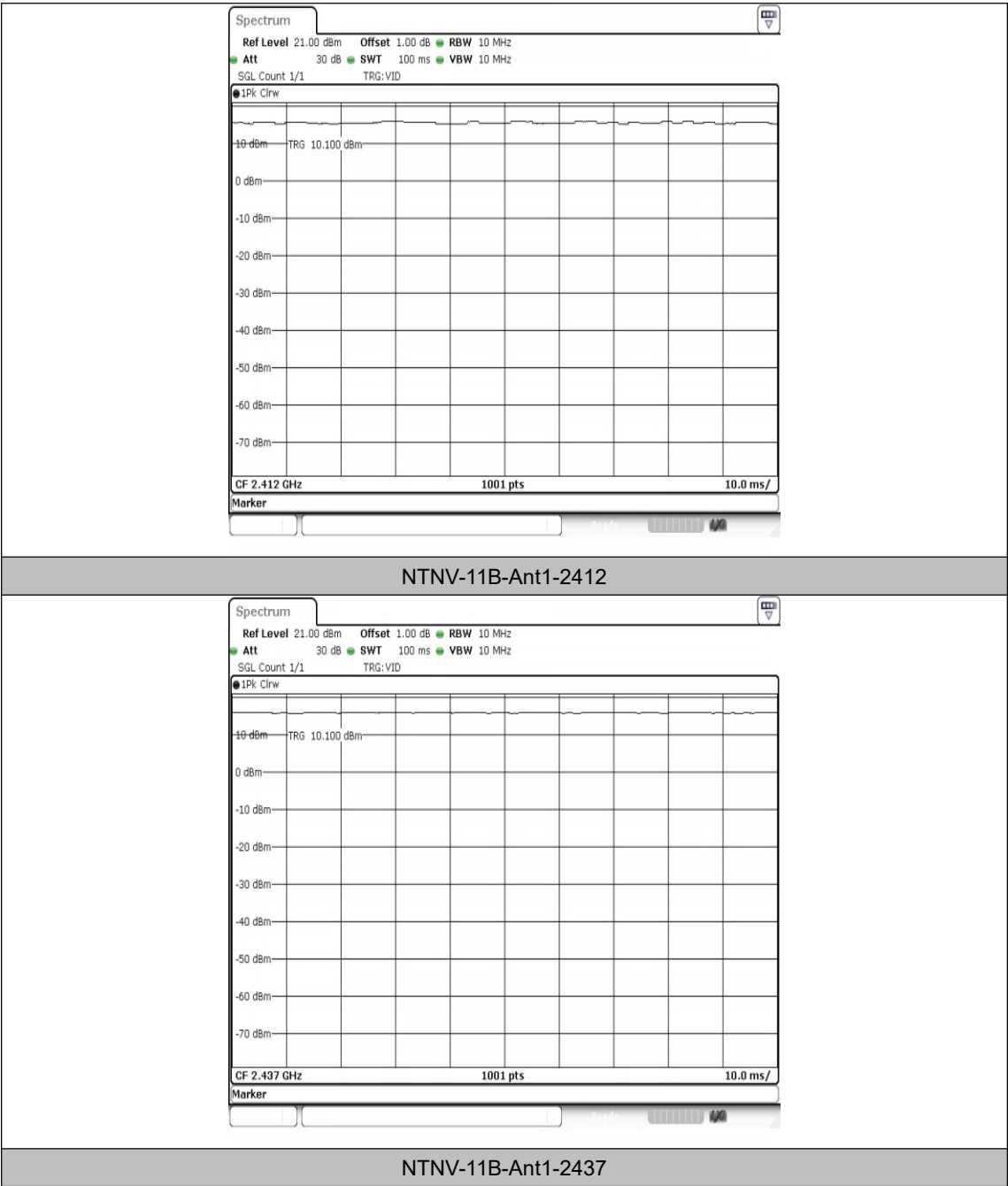


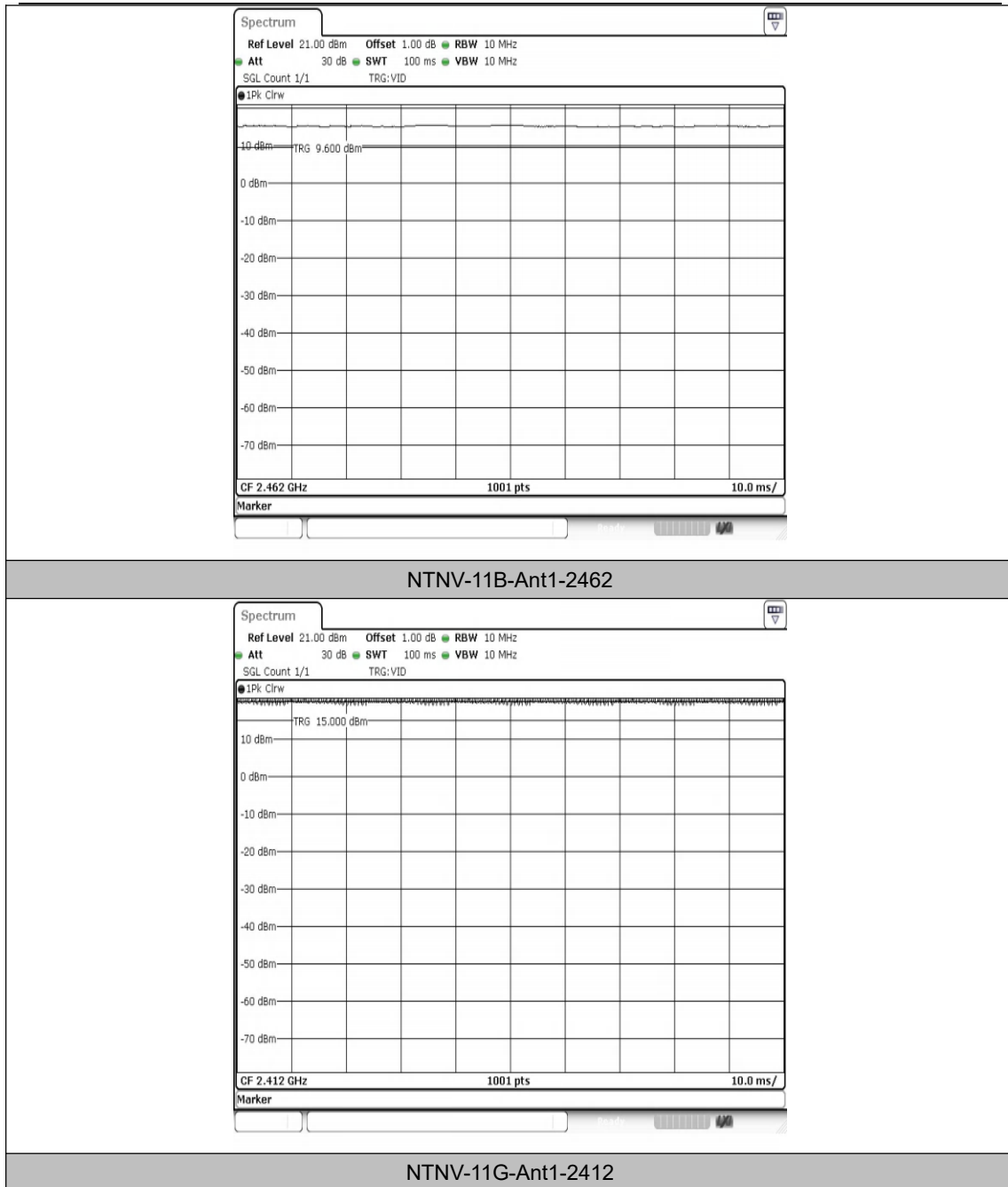
Appendix G: Duty Cycle

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
11N40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2452	100.00	100.00	100.00	0.00

Test Graphs

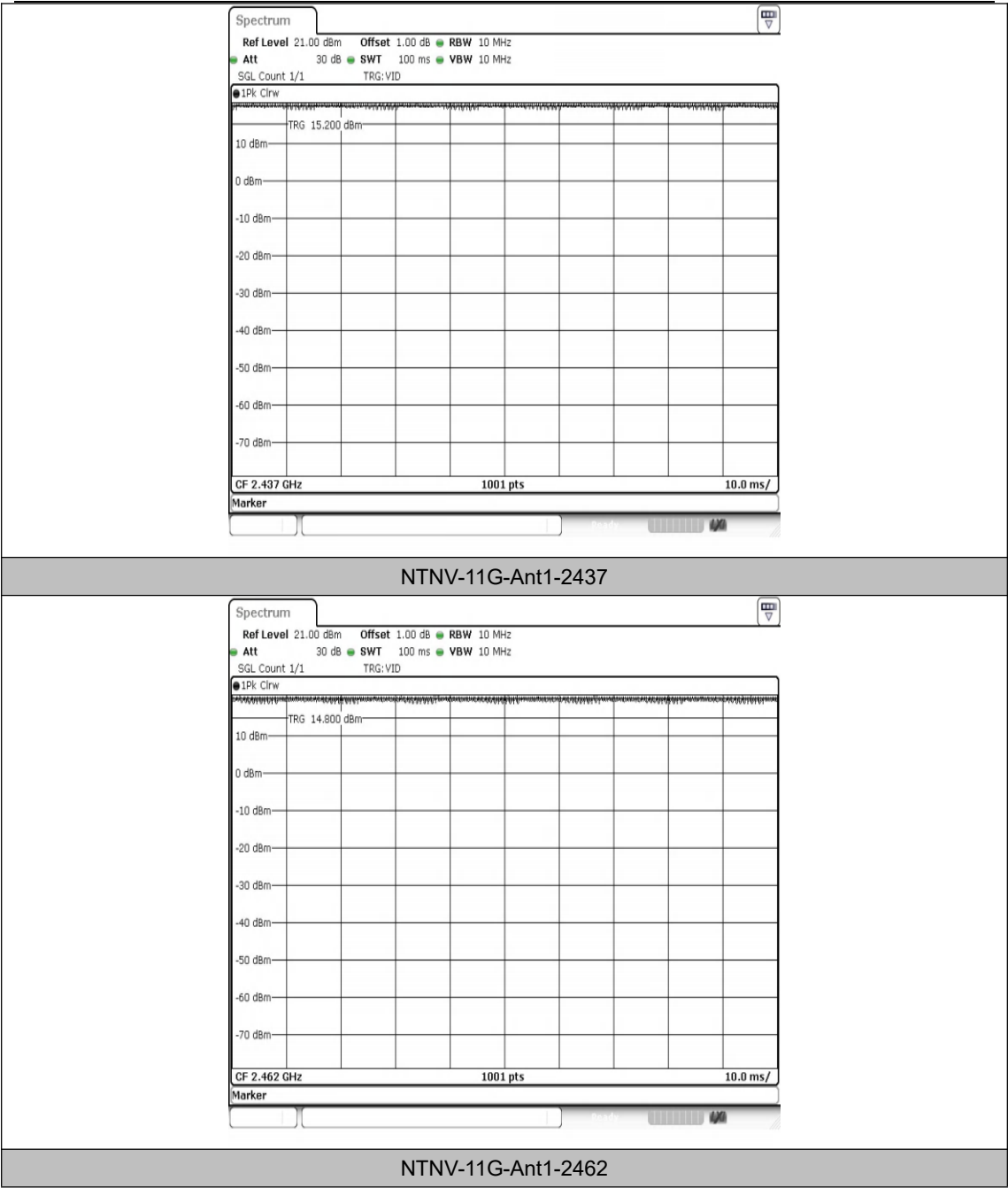




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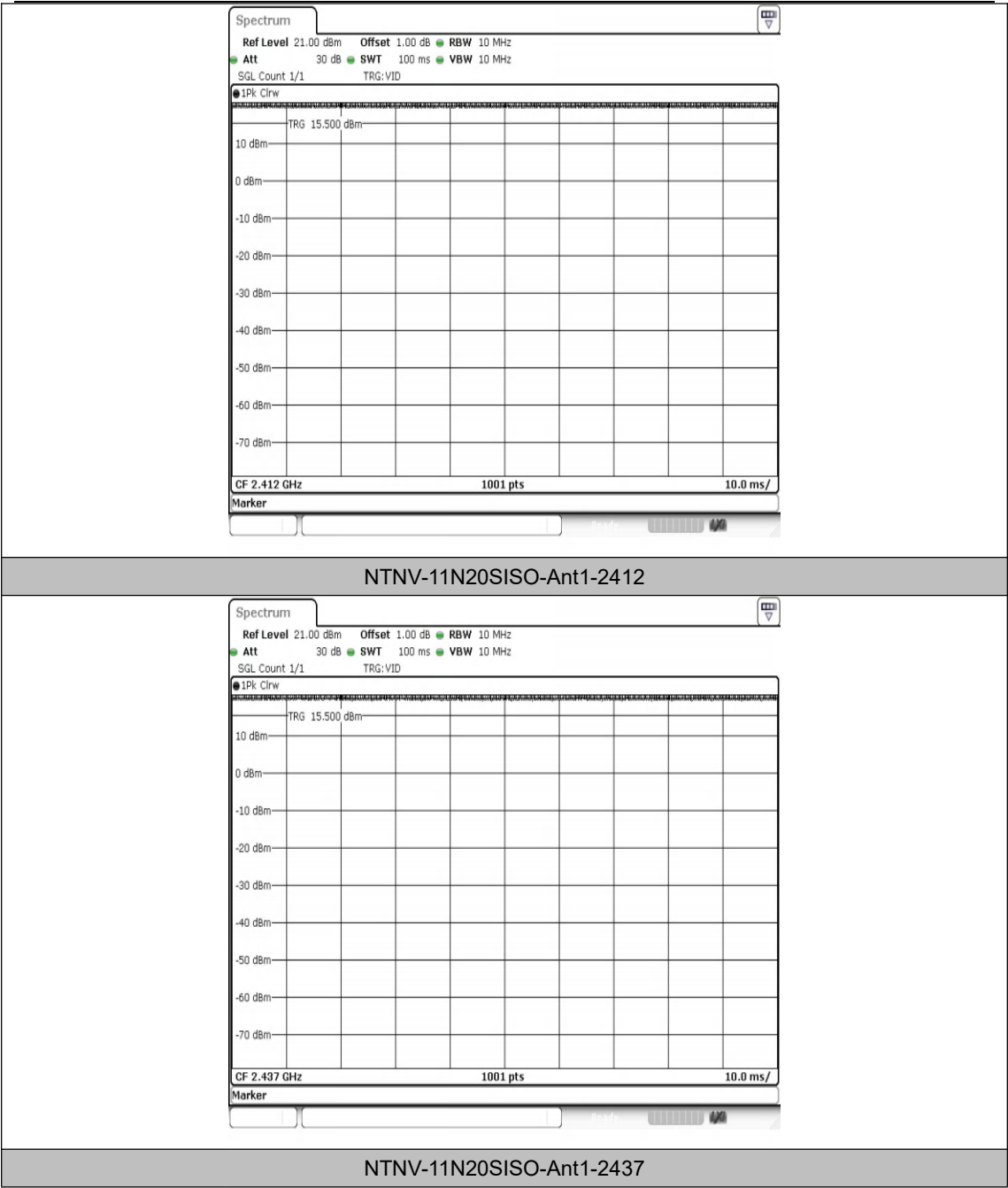
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com



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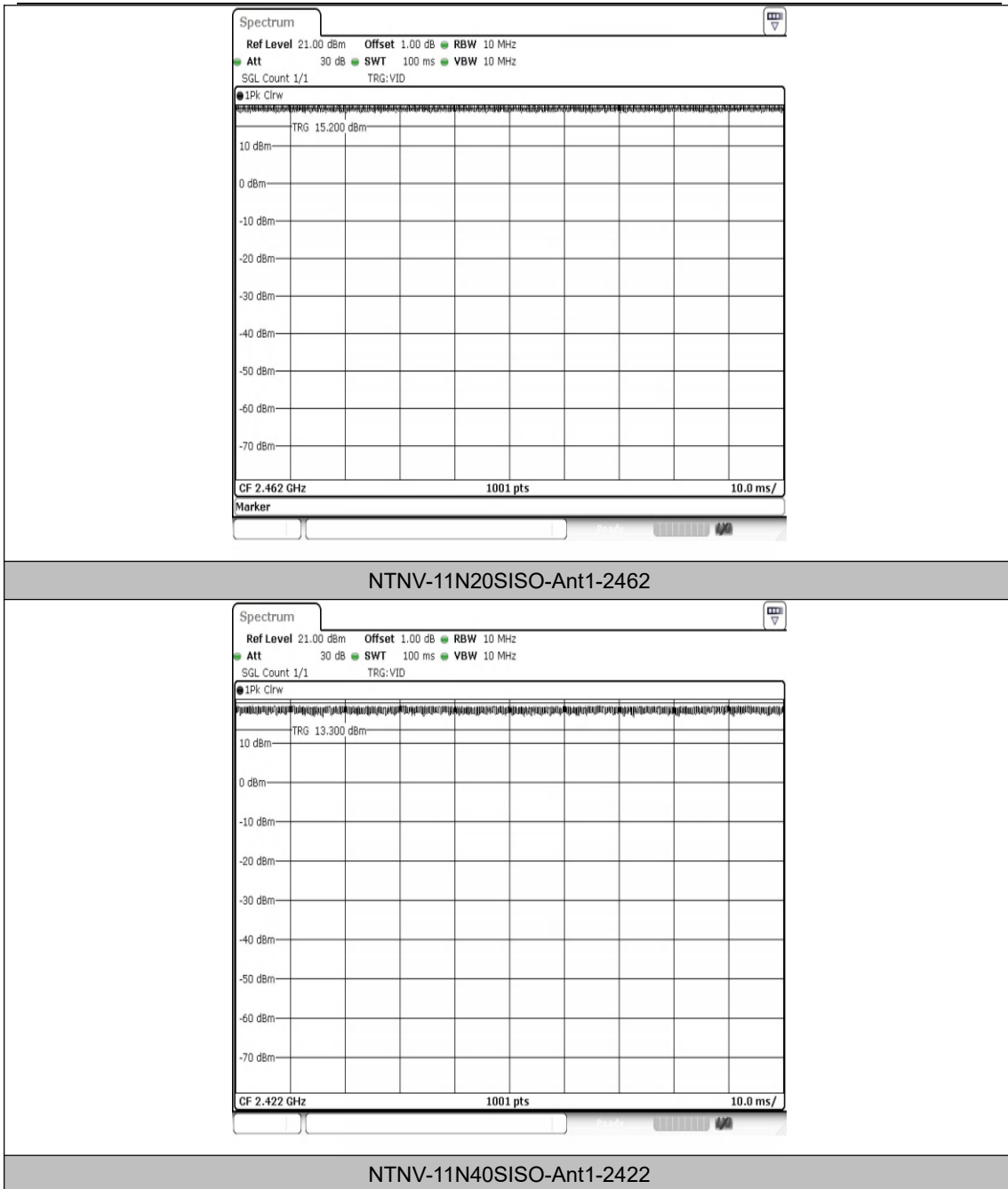
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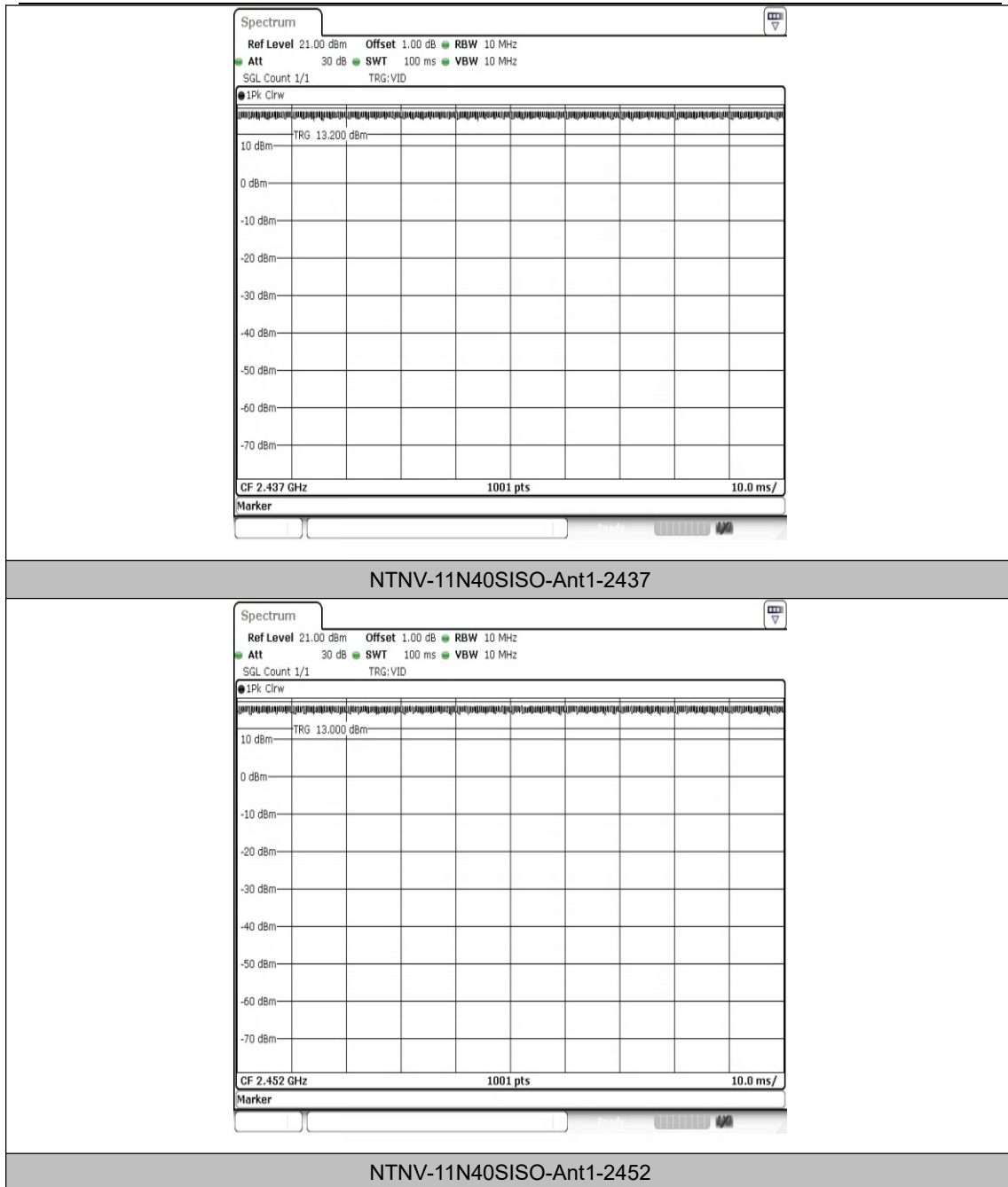
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---End---