

Appendix Test Data

Report No.:	1812C50252412503	Test Sample No.:	1-2-2
Start Test Date:	2025-5-27	Finish Test Date:	2025-6-6
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	50%
Pressure:	101kPa		

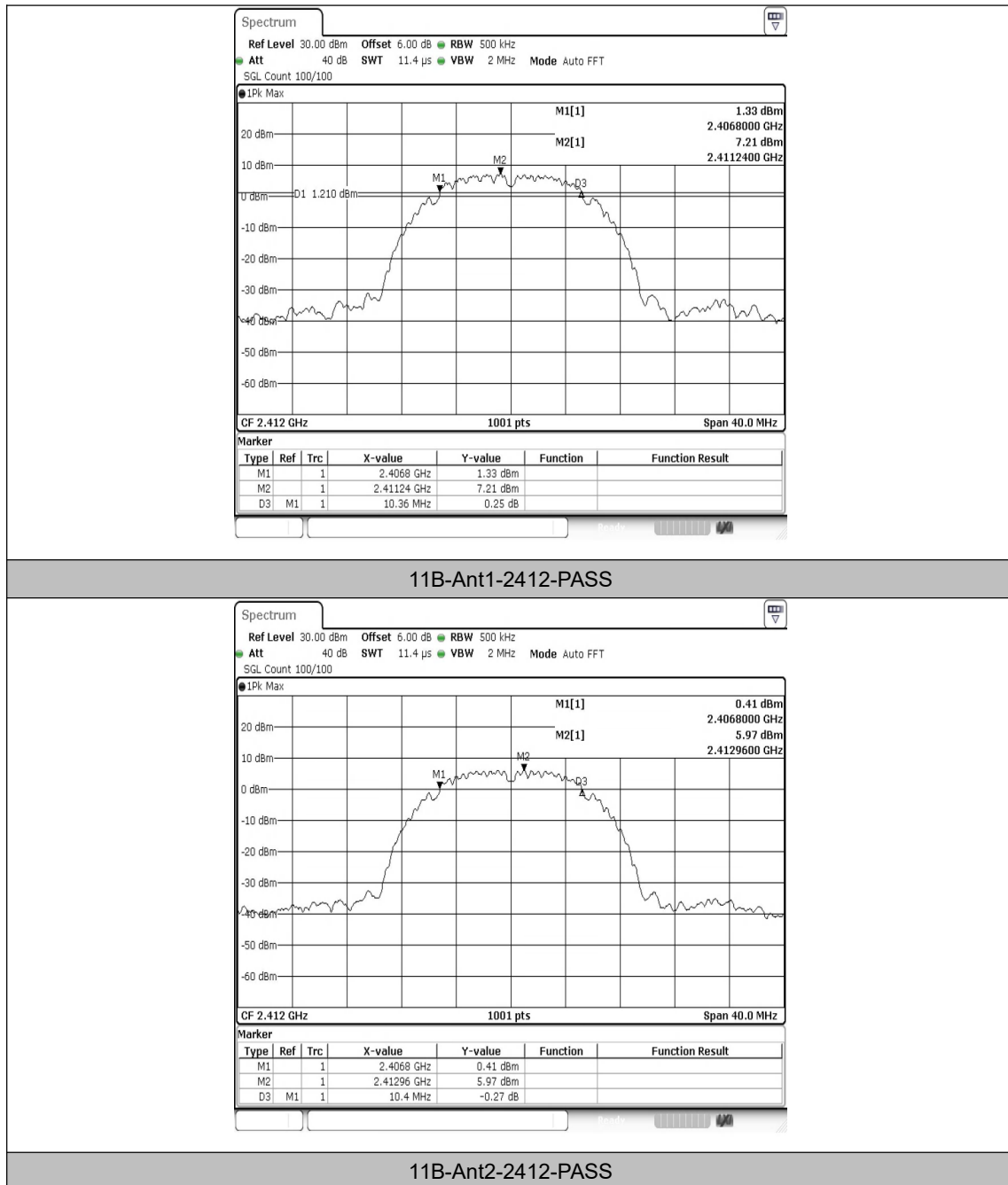
Appendix A: 6dB Bandwidth

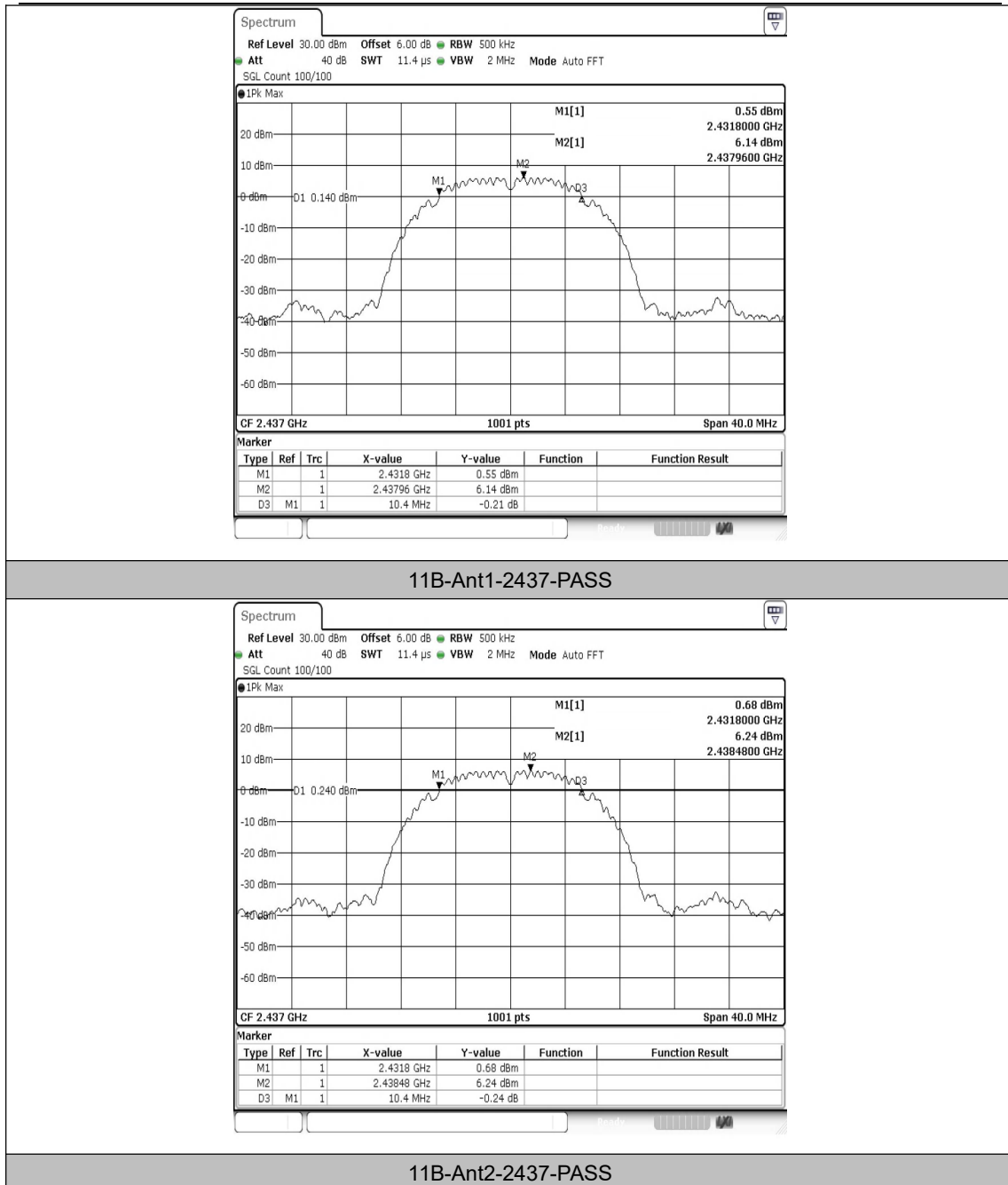
Test Result

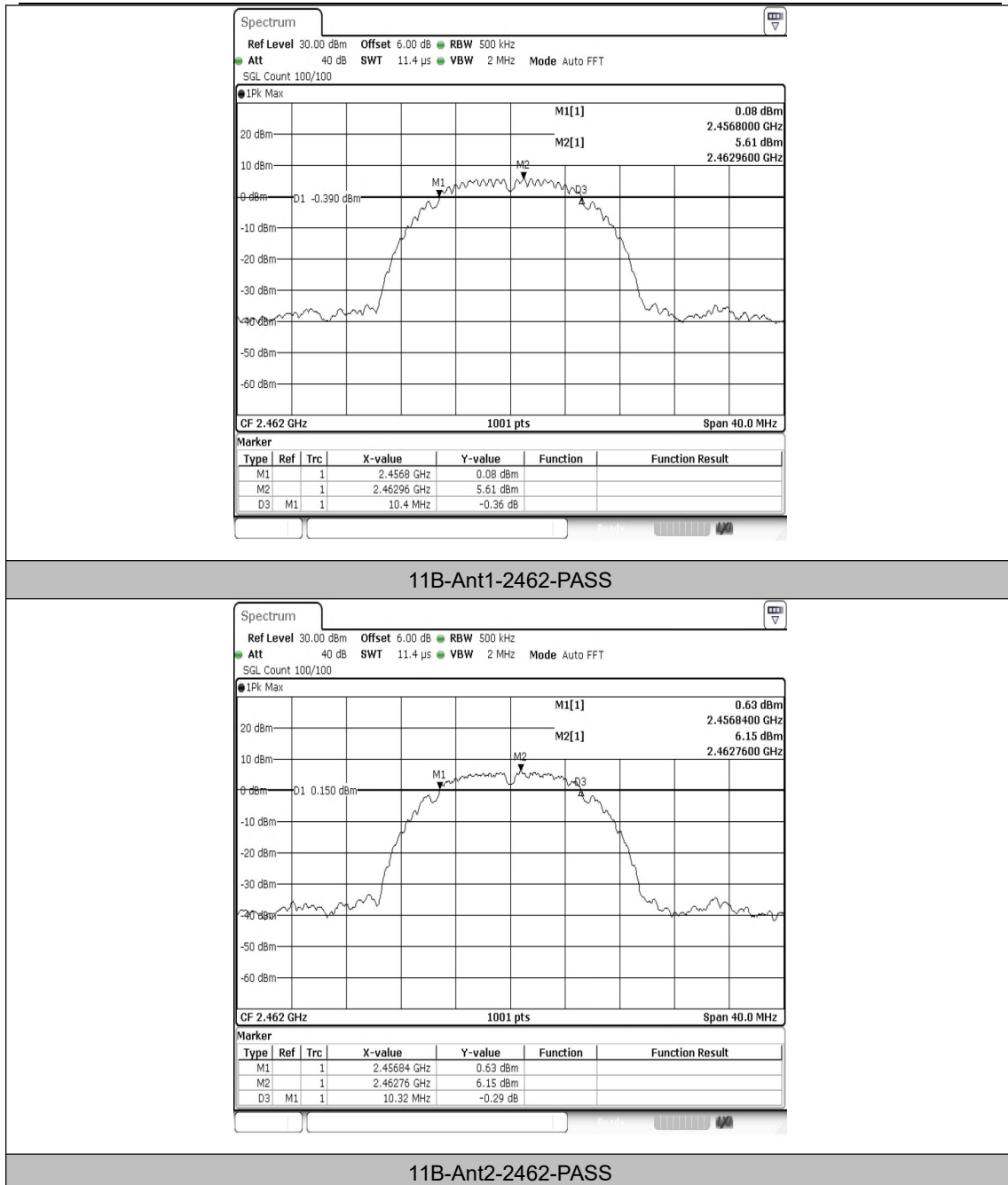
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.36	2406.80	2411.24	0.5	PASS
11B	Ant2	2412	10.40	2406.80	2412.96	0.5	PASS
11B	Ant1	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant2	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant1	2462	10.40	2456.80	2467.20	0.5	PASS
11B	Ant2	2462	10.32	2456.84	2467.16	0.5	PASS
11G	Ant1	2412	12.60	2405.80	2418.40	0.5	PASS
11G	Ant2	2412	13.64	2404.96	2418.60	0.5	PASS
11G	Ant1	2437	13.60	2430.56	2444.16	0.5	PASS
11G	Ant2	2437	15.52	2429.24	2444.76	0.5	PASS
11G	Ant1	2462	15.32	2454.52	2469.84	0.5	PASS
11G	Ant2	2462	15.28	2453.96	2469.24	0.5	PASS
11N20MIMO	Ant1	2412	15.72	2404.20	2419.92	0.5	PASS
11N20MIMO	Ant2	2412	15.48	2404.40	2419.88	0.5	PASS
11N20MIMO	Ant1	2437	15.76	2429.04	2444.80	0.5	PASS
11N20MIMO	Ant2	2437	15.68	2429.16	2444.84	0.5	PASS
11N20MIMO	Ant1	2462	15.84	2454.12	2469.96	0.5	PASS
11N20MIMO	Ant2	2462	15.28	2454.48	2469.76	0.5	PASS
11N40MIMO	Ant1	2422	34.24	2404.88	2439.12	0.5	PASS
11N40MIMO	Ant2	2422	35.60	2404.16	2439.76	0.5	PASS
11N40MIMO	Ant1	2437	34.48	2419.72	2454.20	0.5	PASS
11N40MIMO	Ant2	2437	35.52	2419.16	2454.68	0.5	PASS
11N40MIMO	Ant1	2452	35.60	2434.08	2469.68	0.5	PASS
11N40MIMO	Ant2	2452	35.84	2434.08	2469.92	0.5	PASS

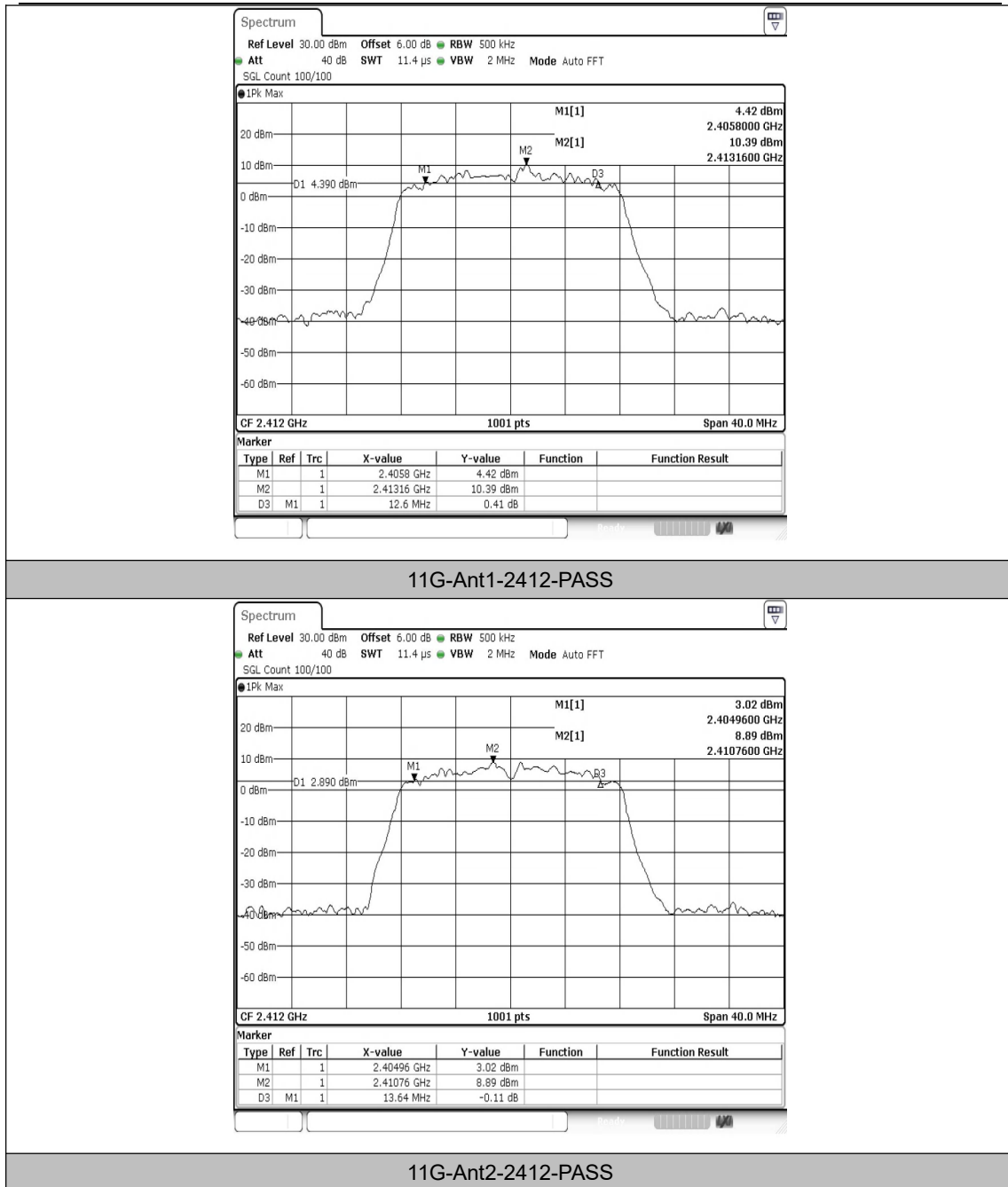


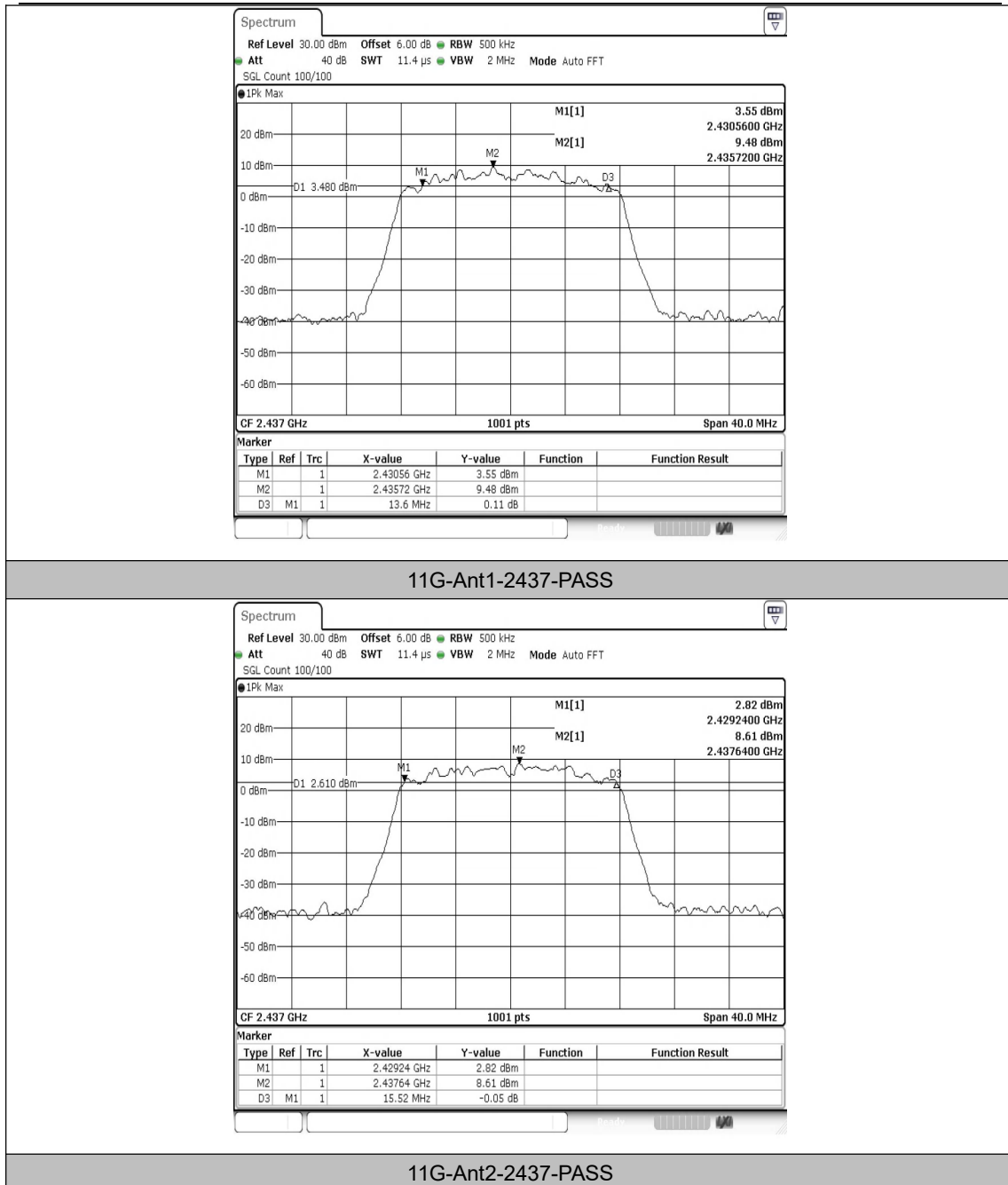
Test Graphs

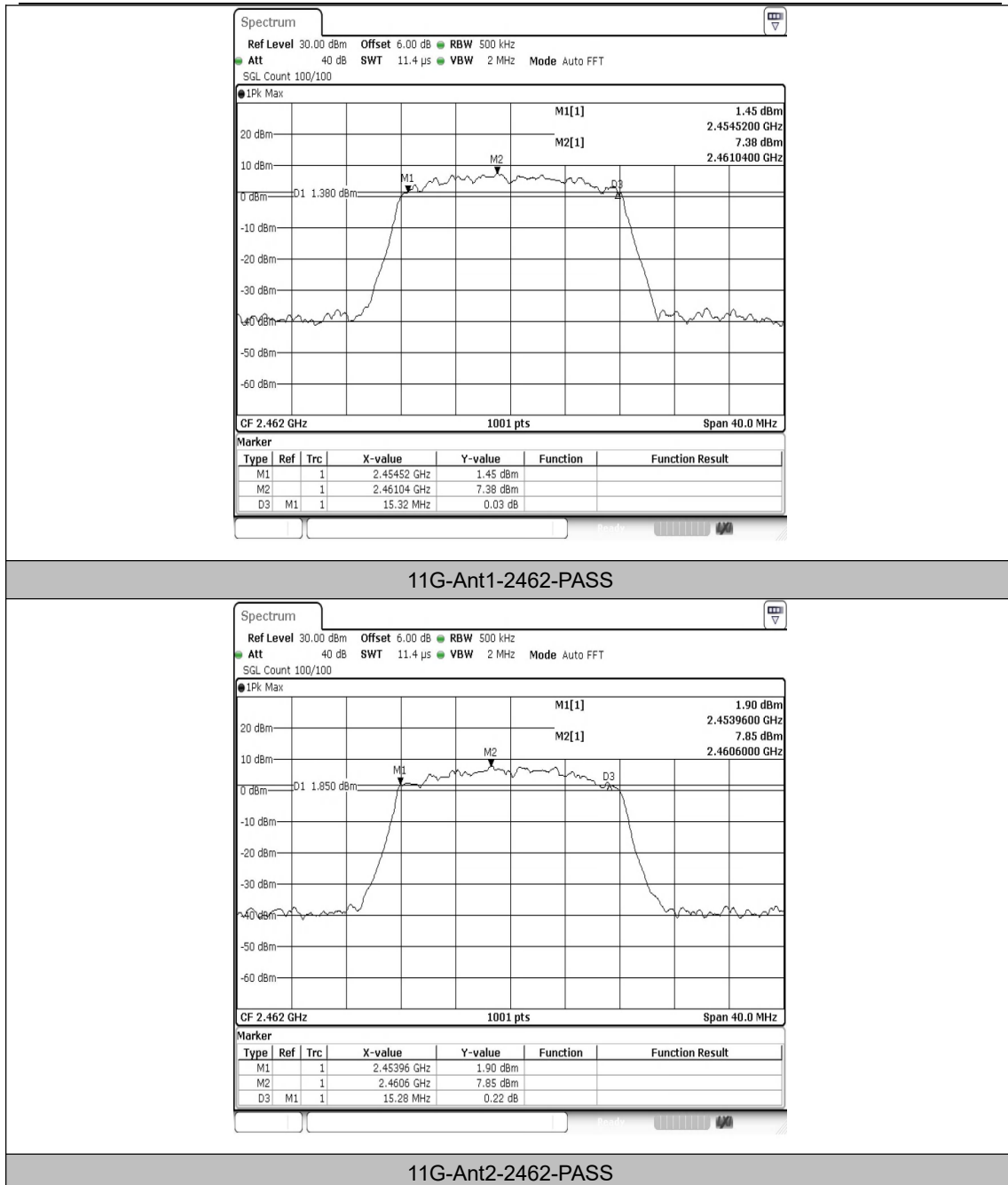








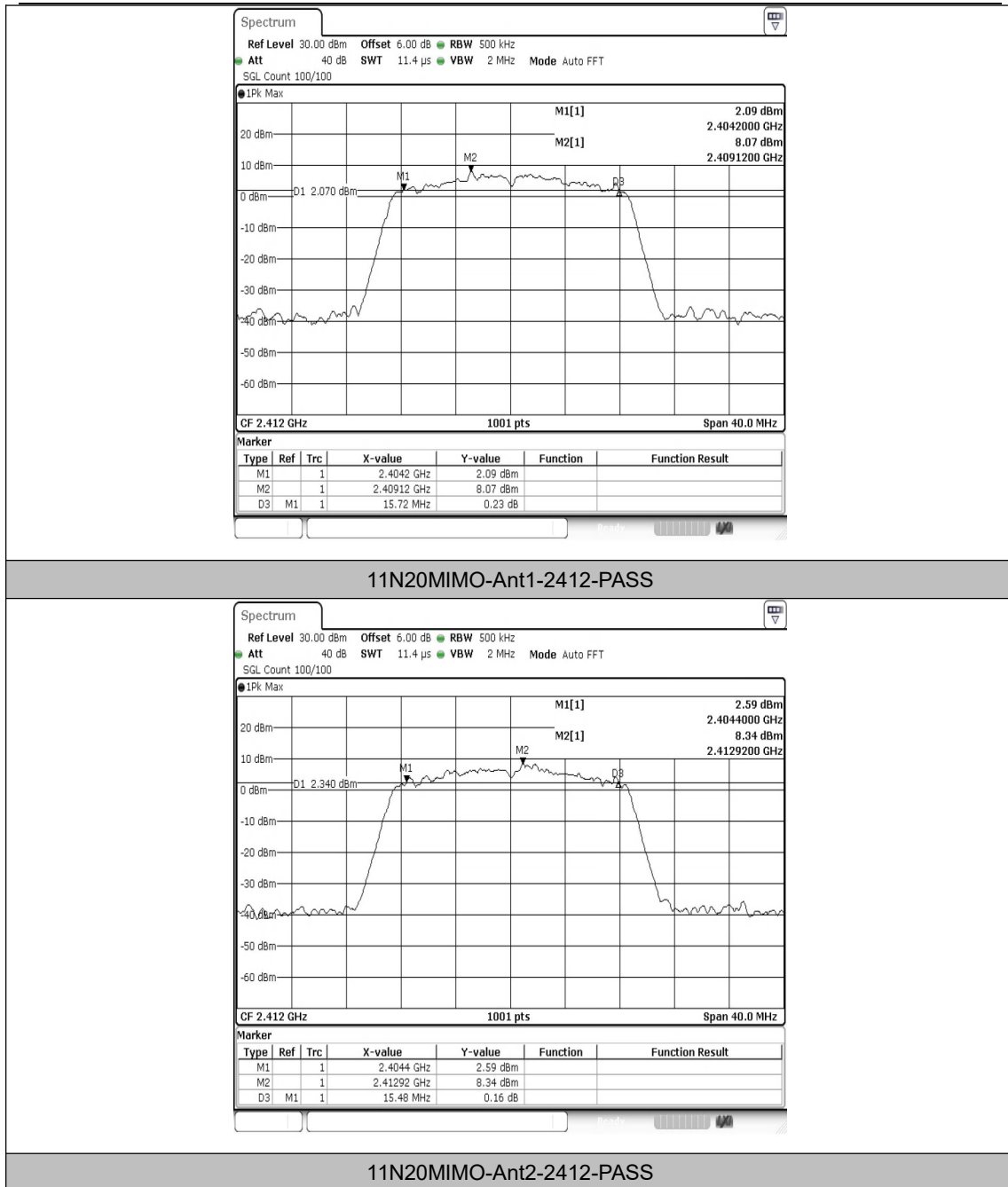


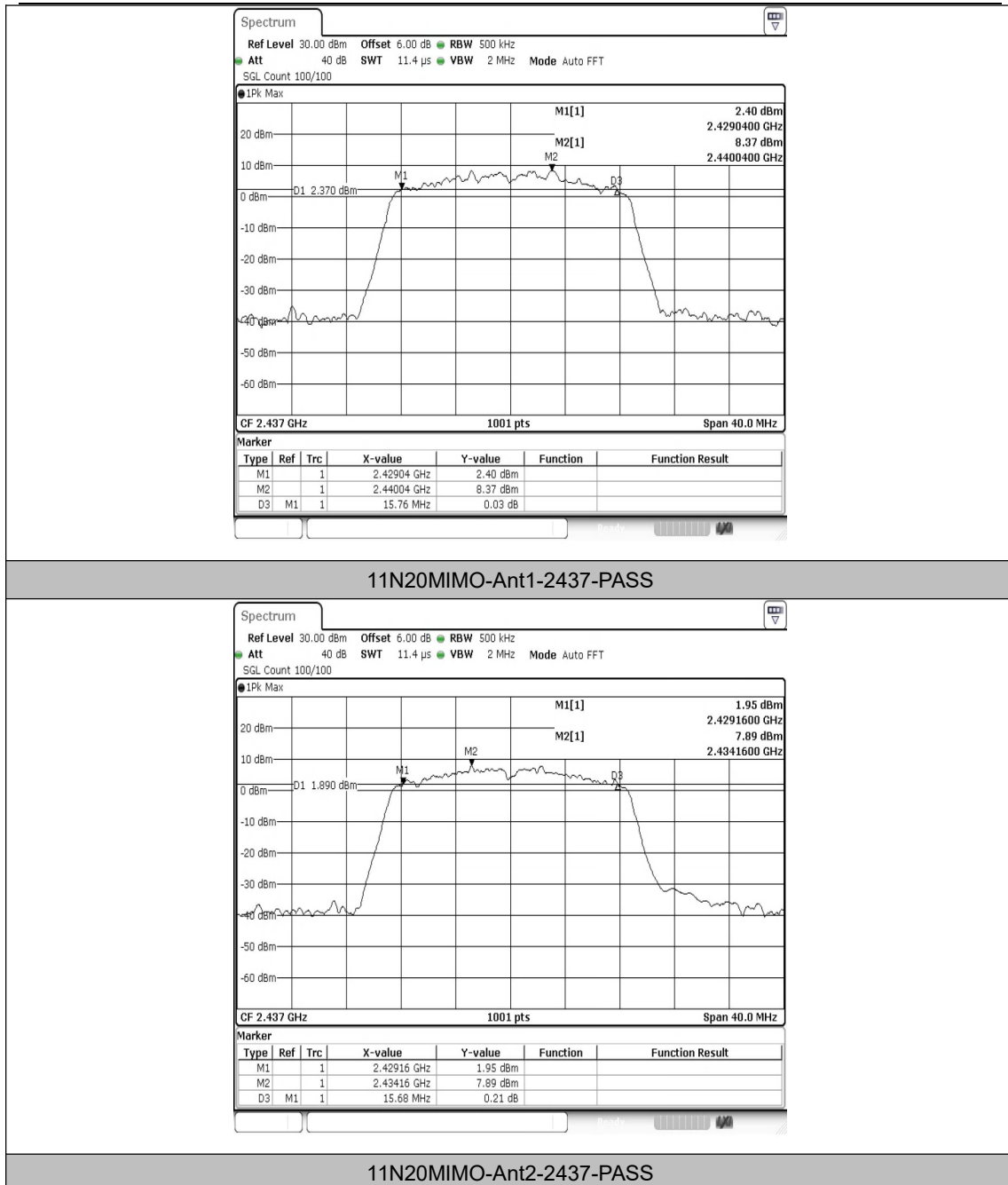


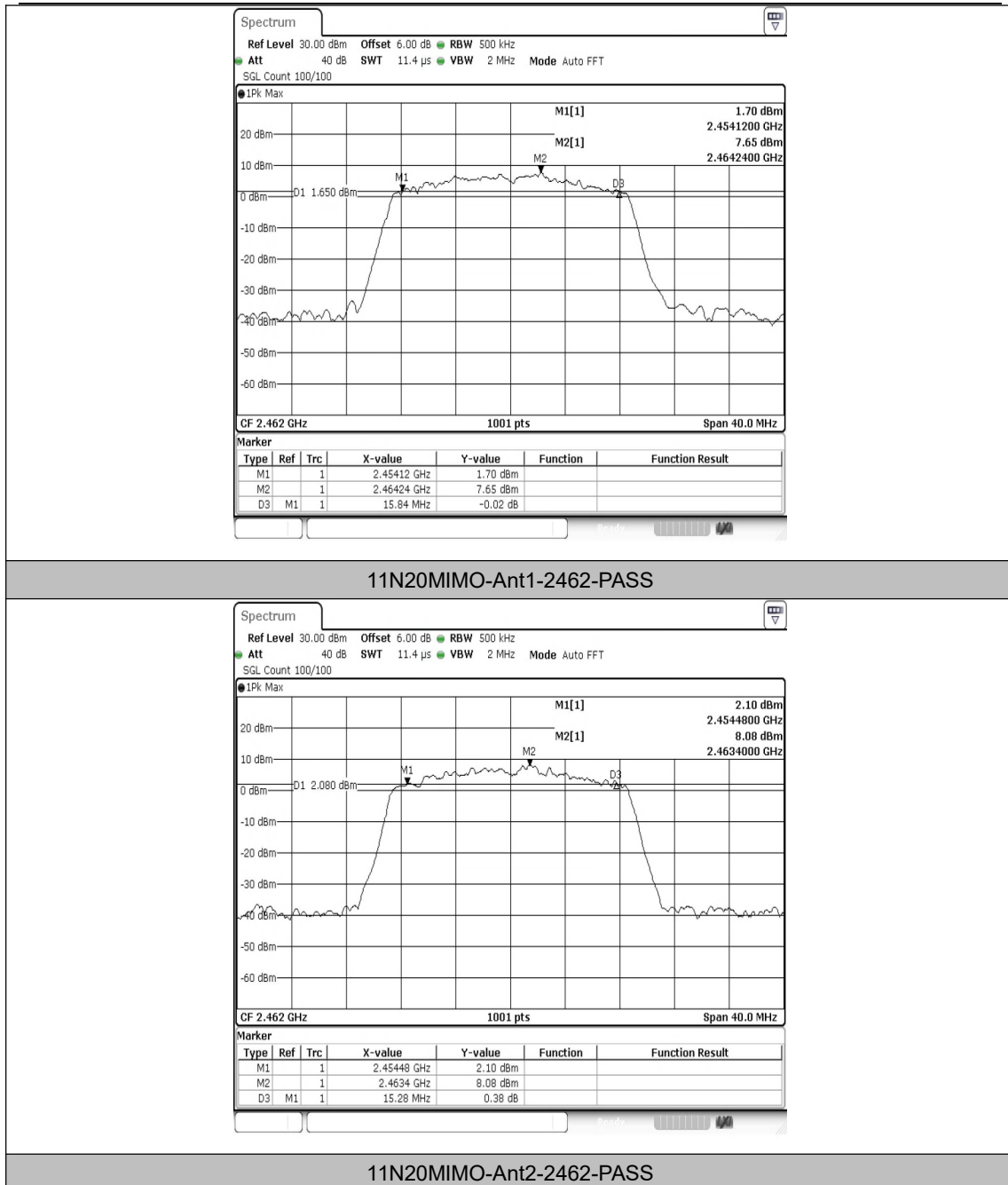
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



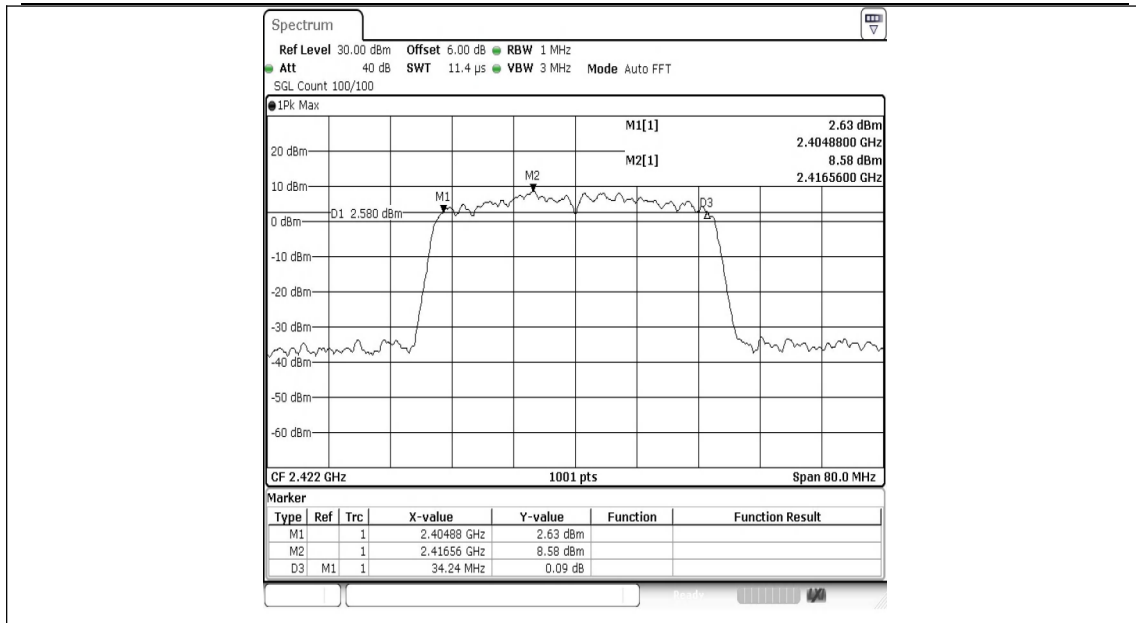




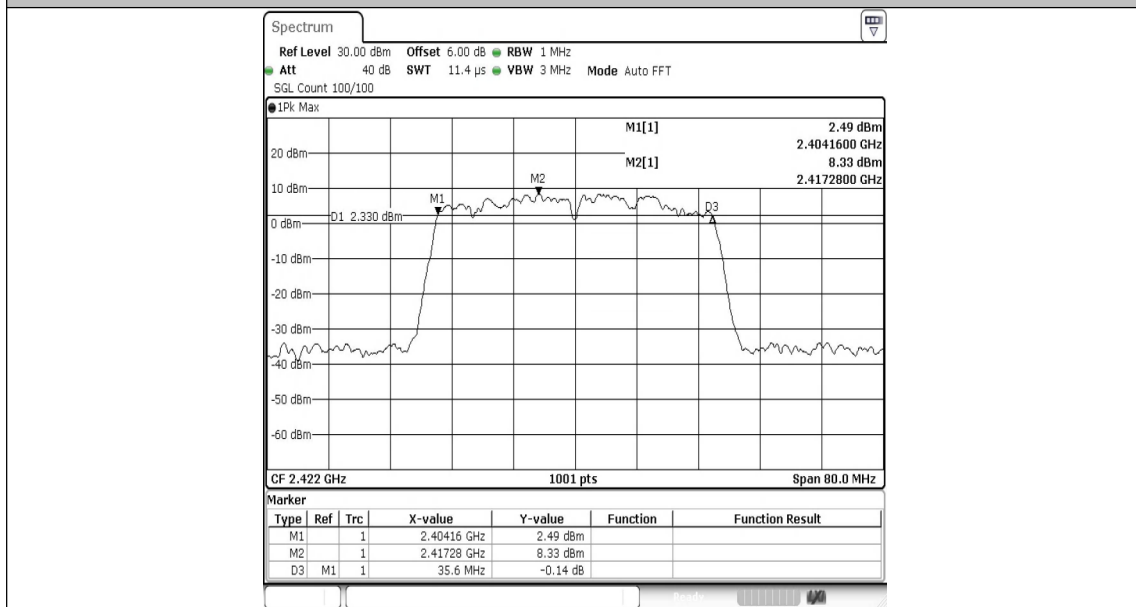
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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotech.com

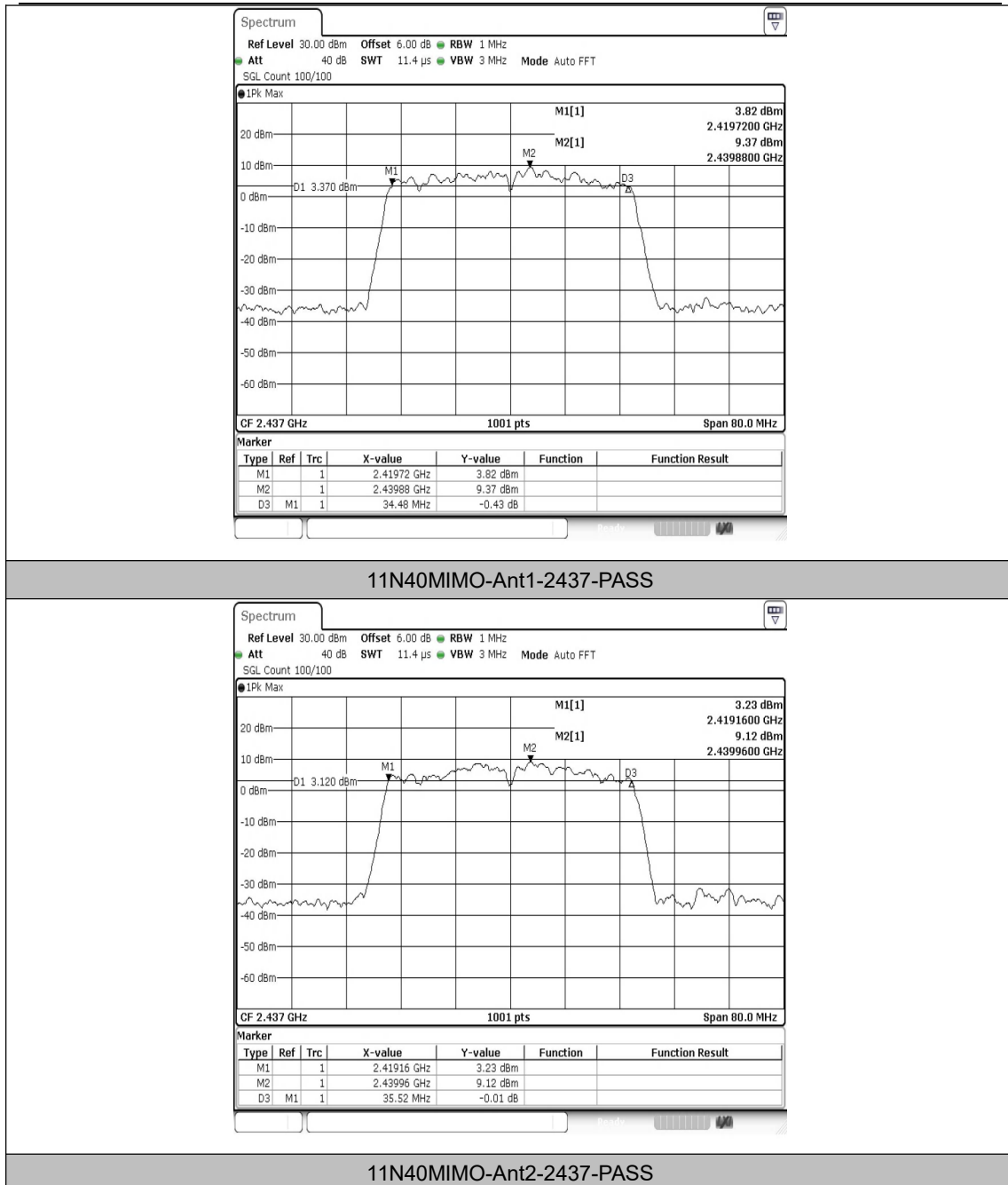
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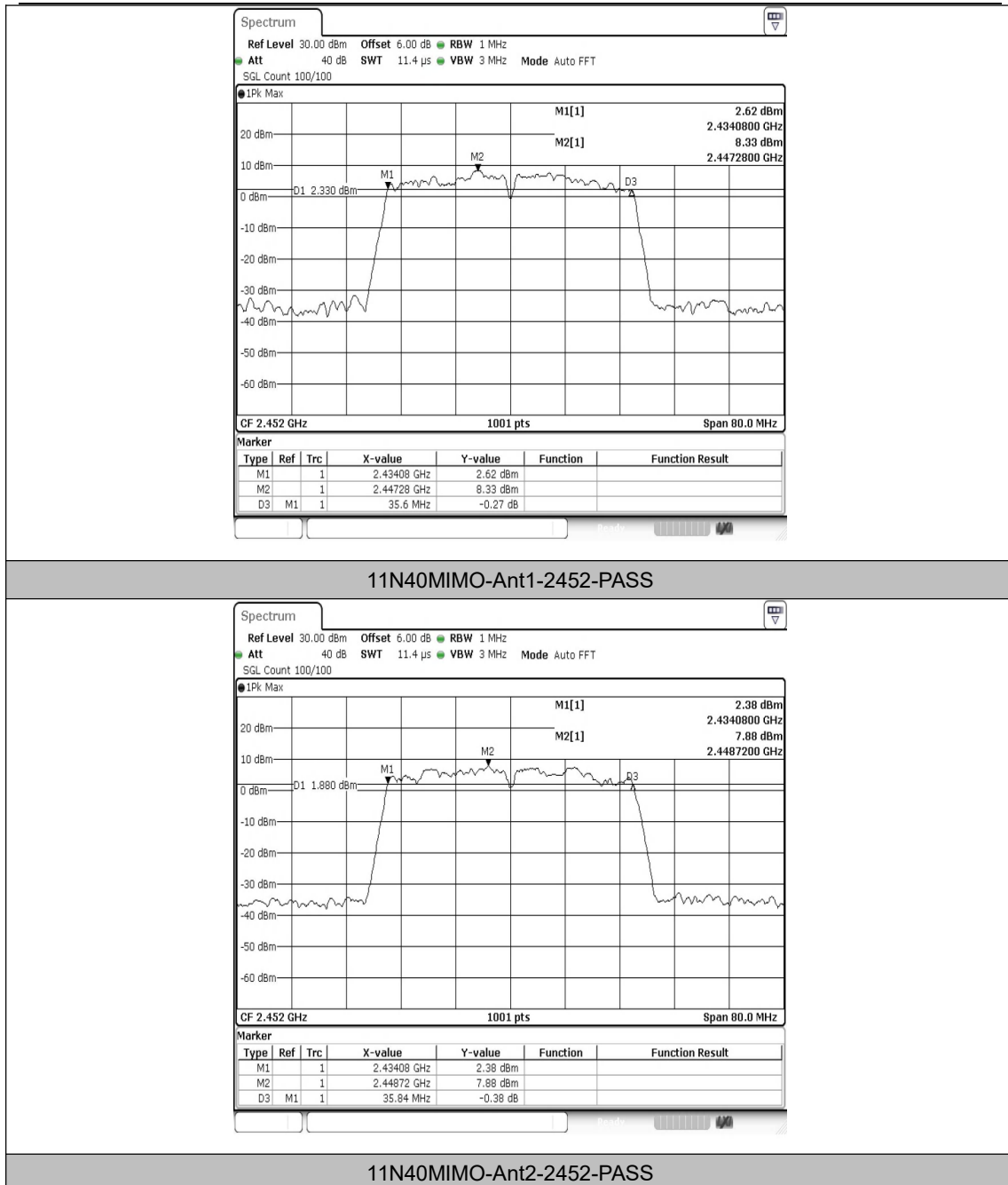


11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS





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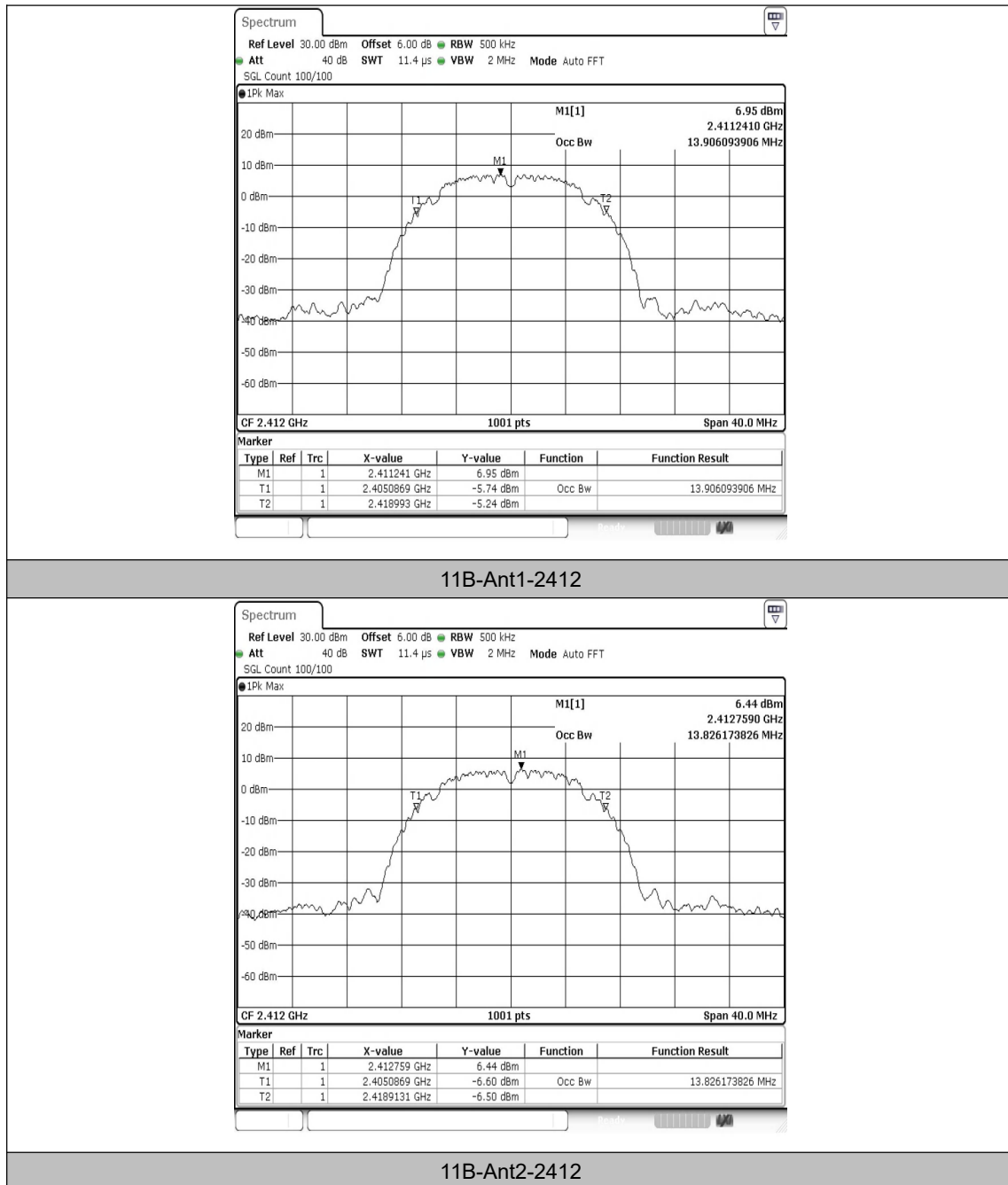
Hotline
400-003-0500
www.anbotek.com

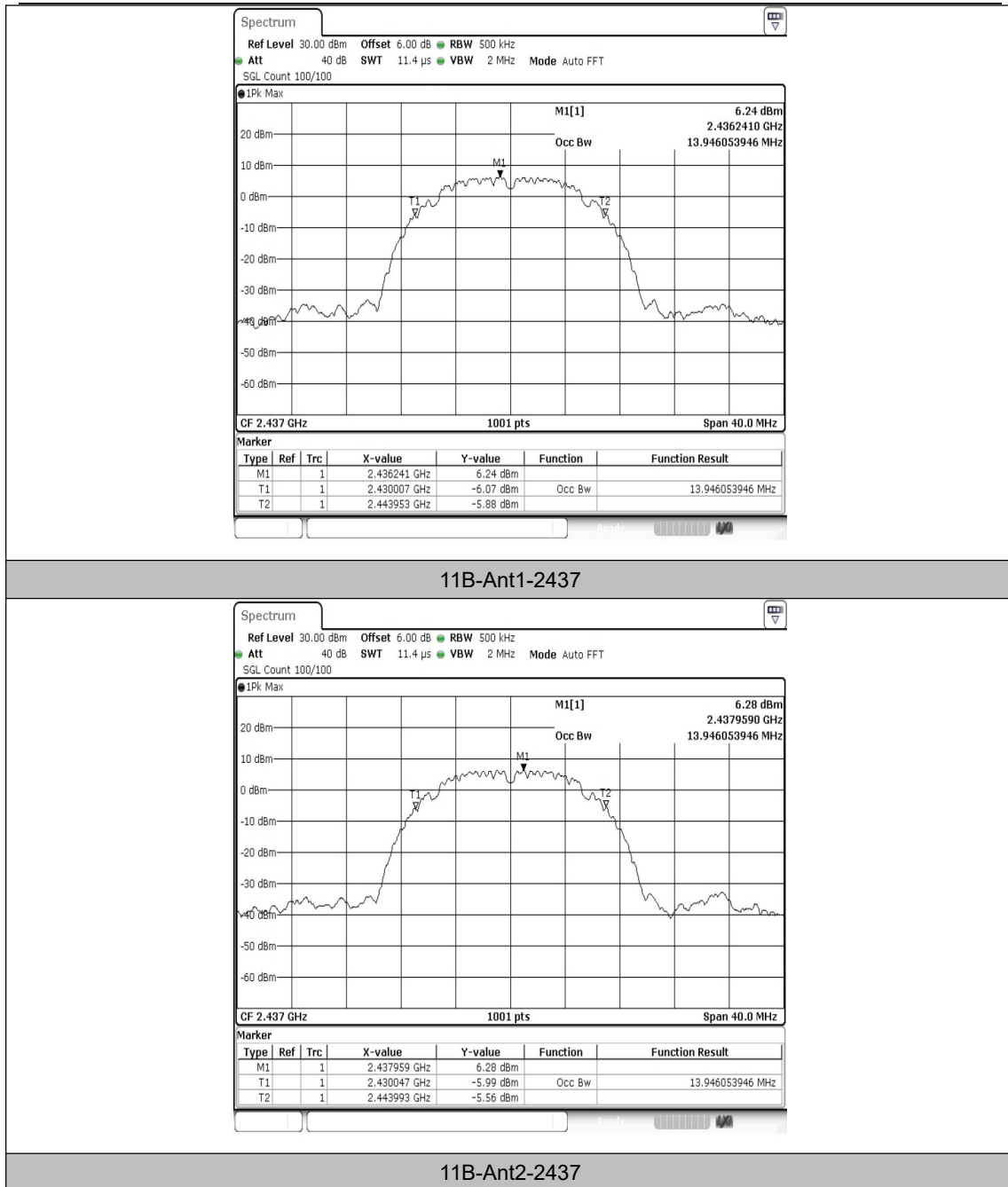
Appendix B: 99% Occupied Bandwidth

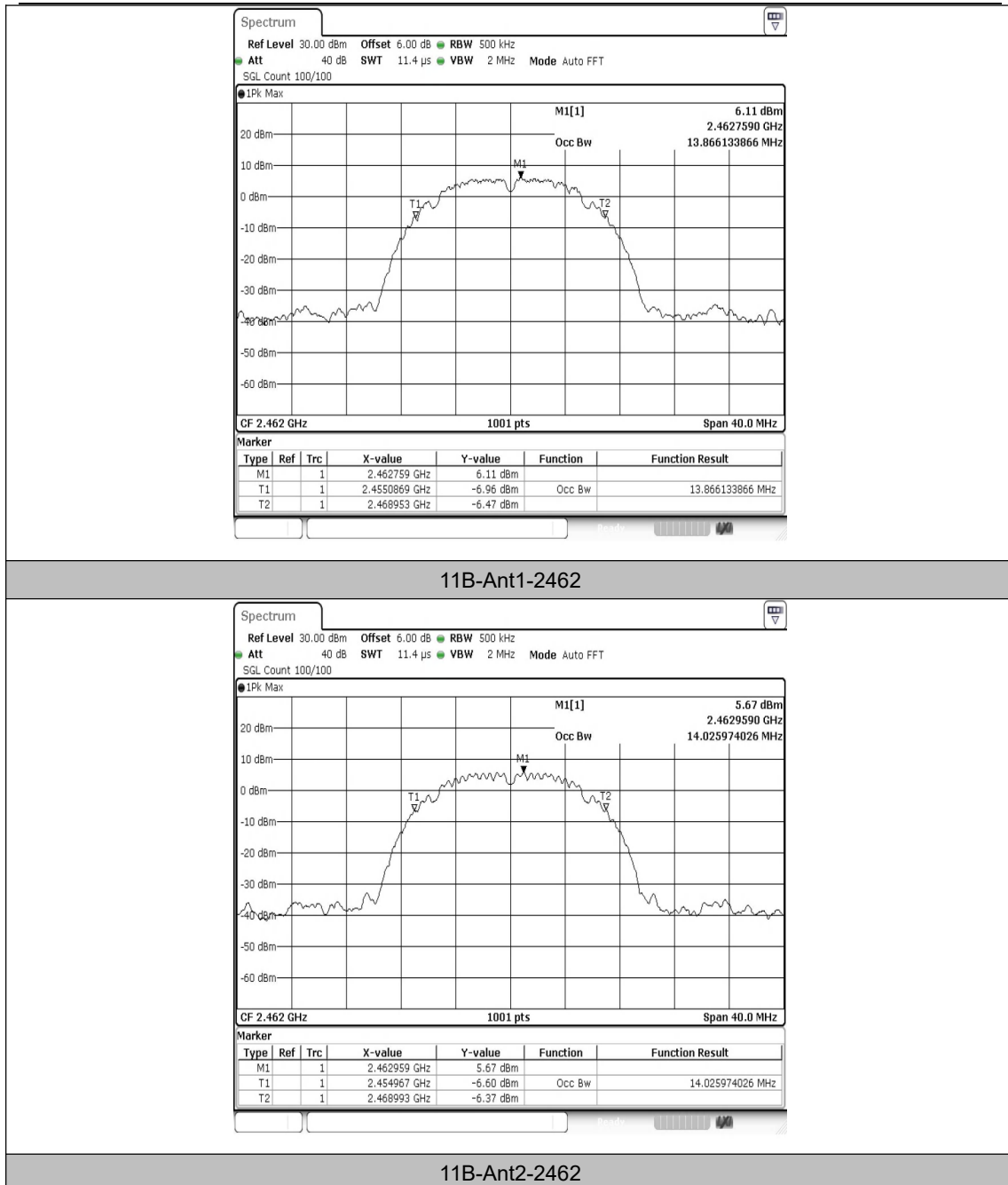
Test Result

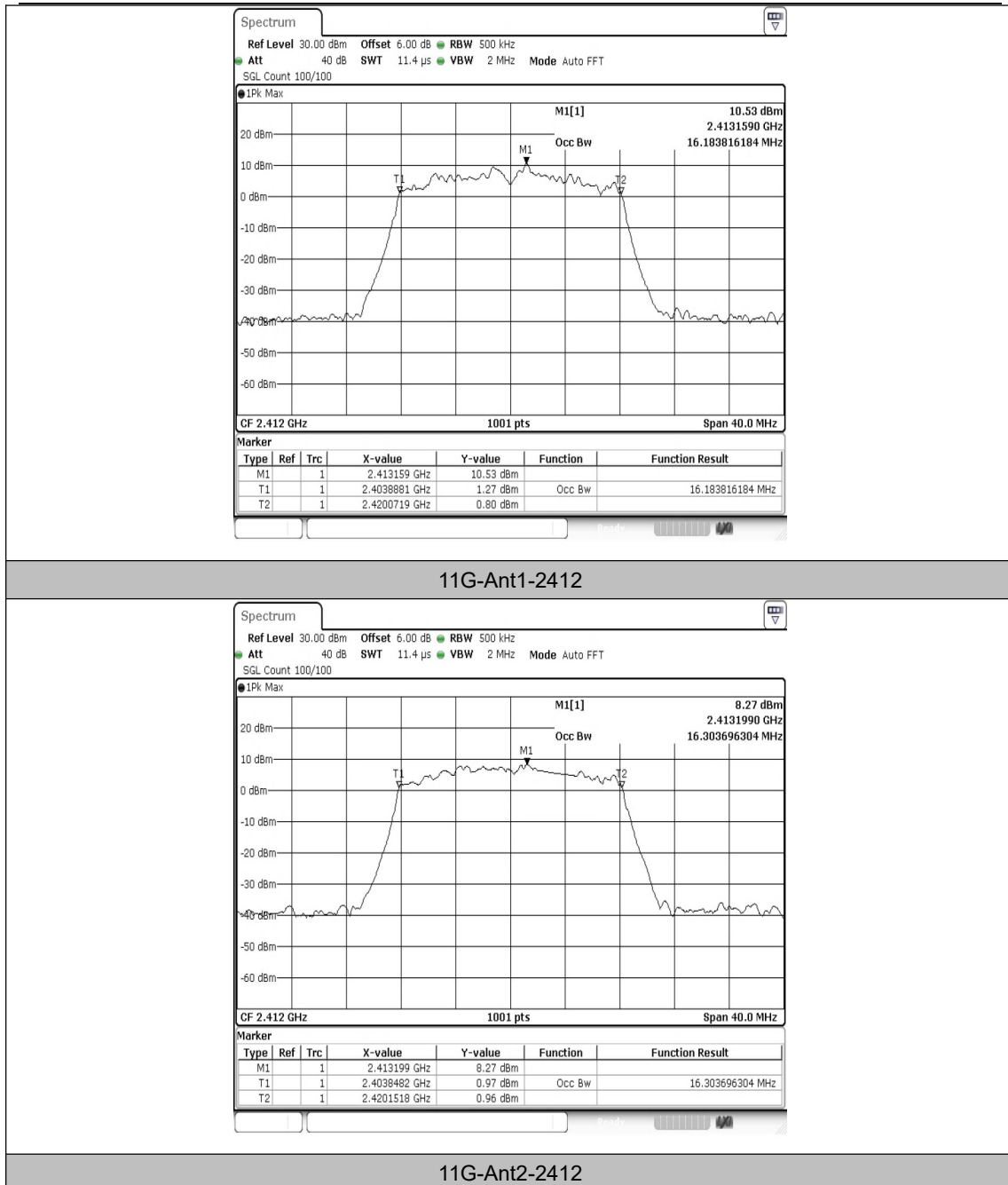
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.906	2405.0869	2418.9930	---	---
11B	Ant2	2412	13.826	2405.0869	2418.9131	---	---
11B	Ant1	2437	13.946	2430.0070	2443.9530	---	---
11B	Ant2	2437	13.946	2430.0470	2443.9930	---	---
11B	Ant1	2462	13.866	2455.0869	2468.9530	---	---
11B	Ant2	2462	14.026	2454.9670	2468.9930	---	---
11G	Ant1	2412	16.184	2403.8881	2420.0719	---	---
11G	Ant2	2412	16.304	2403.8482	2420.1518	---	---
11G	Ant1	2437	16.304	2428.8082	2445.1119	---	---
11G	Ant2	2437	16.144	2428.9281	2445.0719	---	---
11G	Ant1	2462	16.184	2453.8881	2470.0719	---	---
11G	Ant2	2462	16.304	2453.8082	2470.1119	---	---
11N20MIMO	Ant1	2412	17.343	2403.3287	2420.6713	---	---
11N20MIMO	Ant2	2412	17.263	2403.3686	2420.6314	---	---
11N20MIMO	Ant1	2437	17.263	2428.3686	2445.6314	---	---
11N20MIMO	Ant2	2437	17.303	2428.3287	2445.6314	---	---
11N20MIMO	Ant1	2462	17.303	2453.3287	2470.6314	---	---
11N20MIMO	Ant2	2462	17.343	2453.2887	2470.6314	---	---
11N40MIMO	Ant1	2422	35.804	2404.1778	2439.9820	---	---
11N40MIMO	Ant2	2422	35.644	2404.2577	2439.9021	---	---
11N40MIMO	Ant1	2437	35.644	2419.2577	2454.9021	---	---
11N40MIMO	Ant2	2437	35.804	2419.0979	2454.9021	---	---
11N40MIMO	Ant1	2452	35.724	2434.0979	2469.8222	---	---
11N40MIMO	Ant2	2452	35.724	2434.0979	2469.8222	---	---

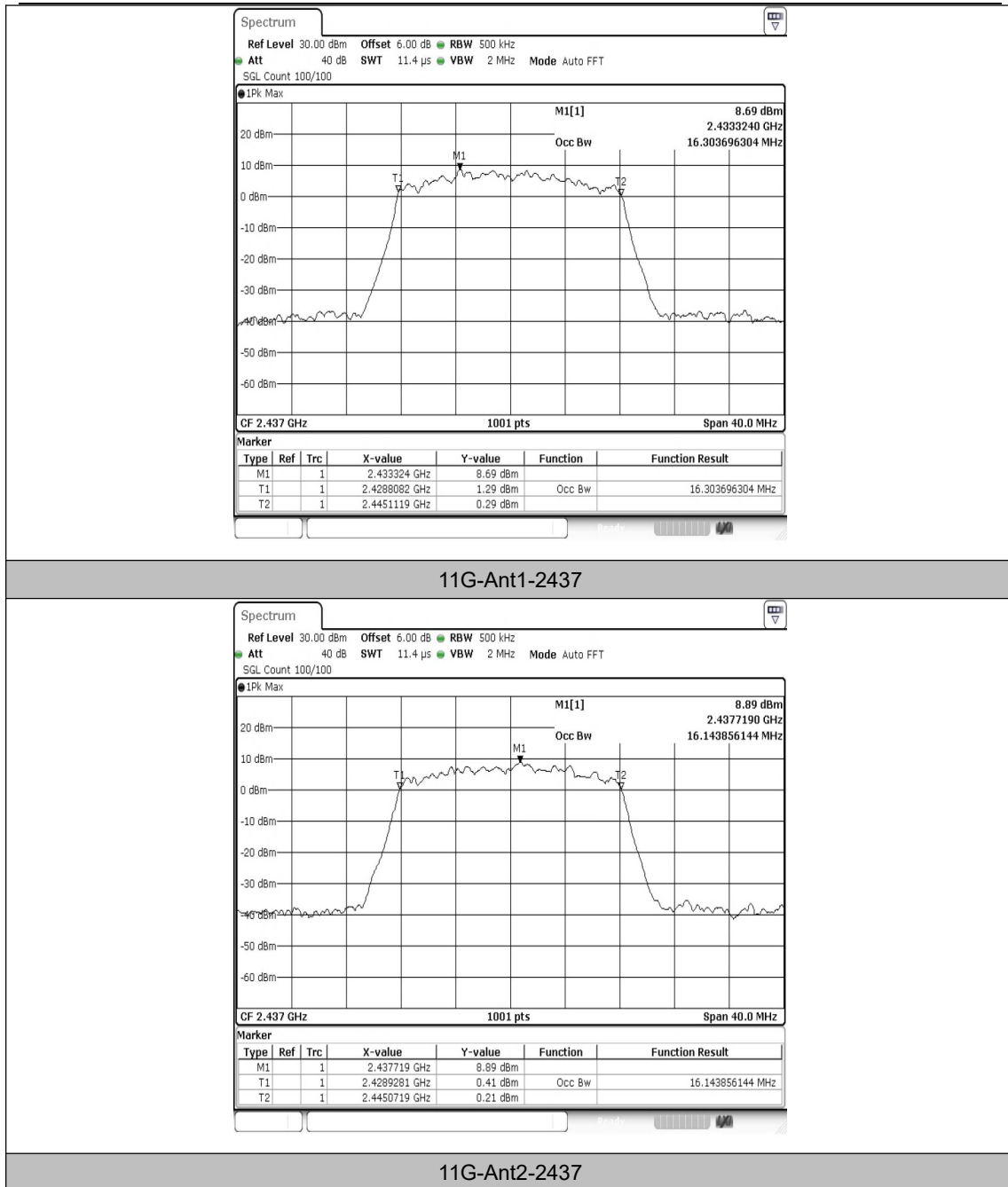
Test Graphs

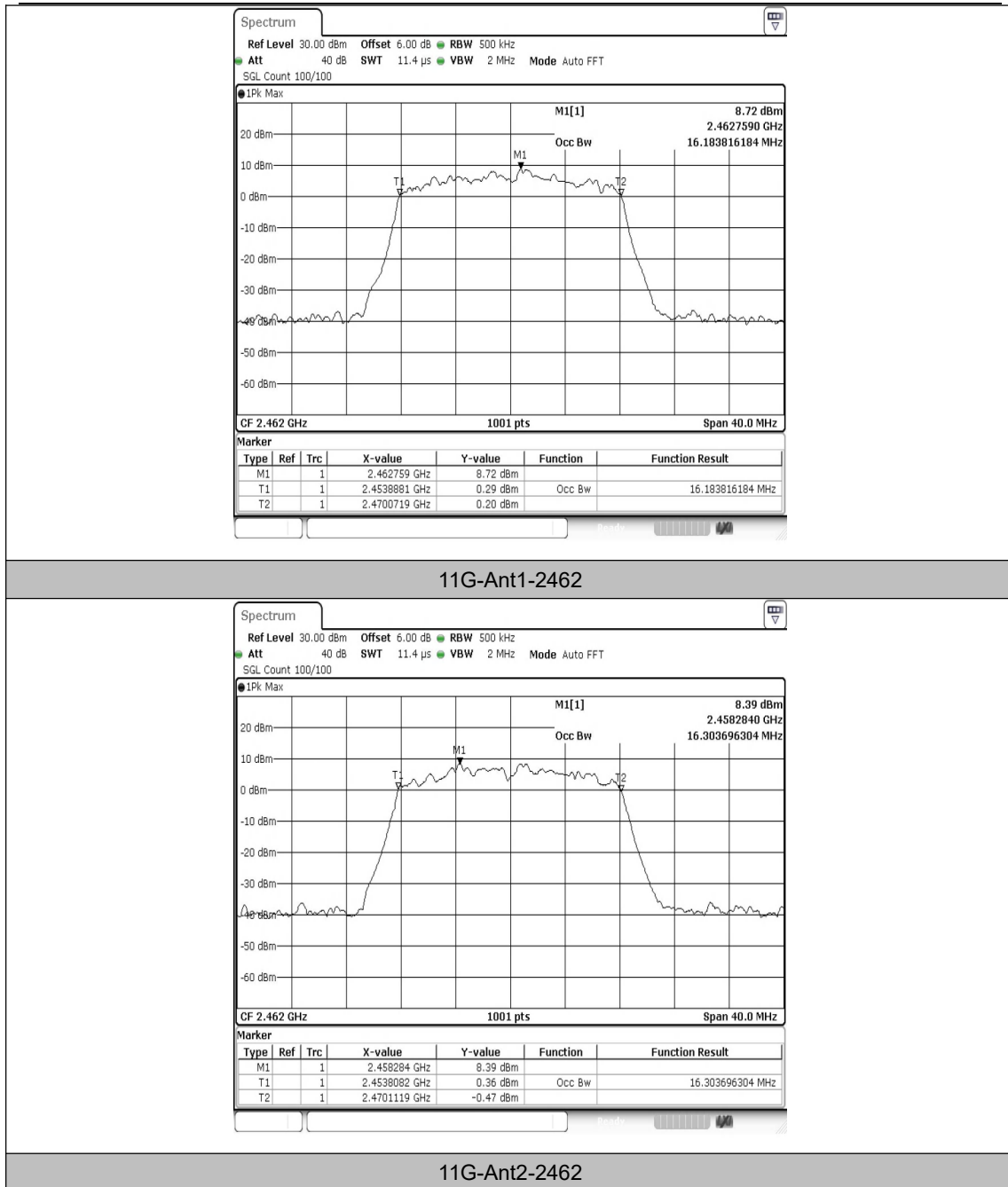


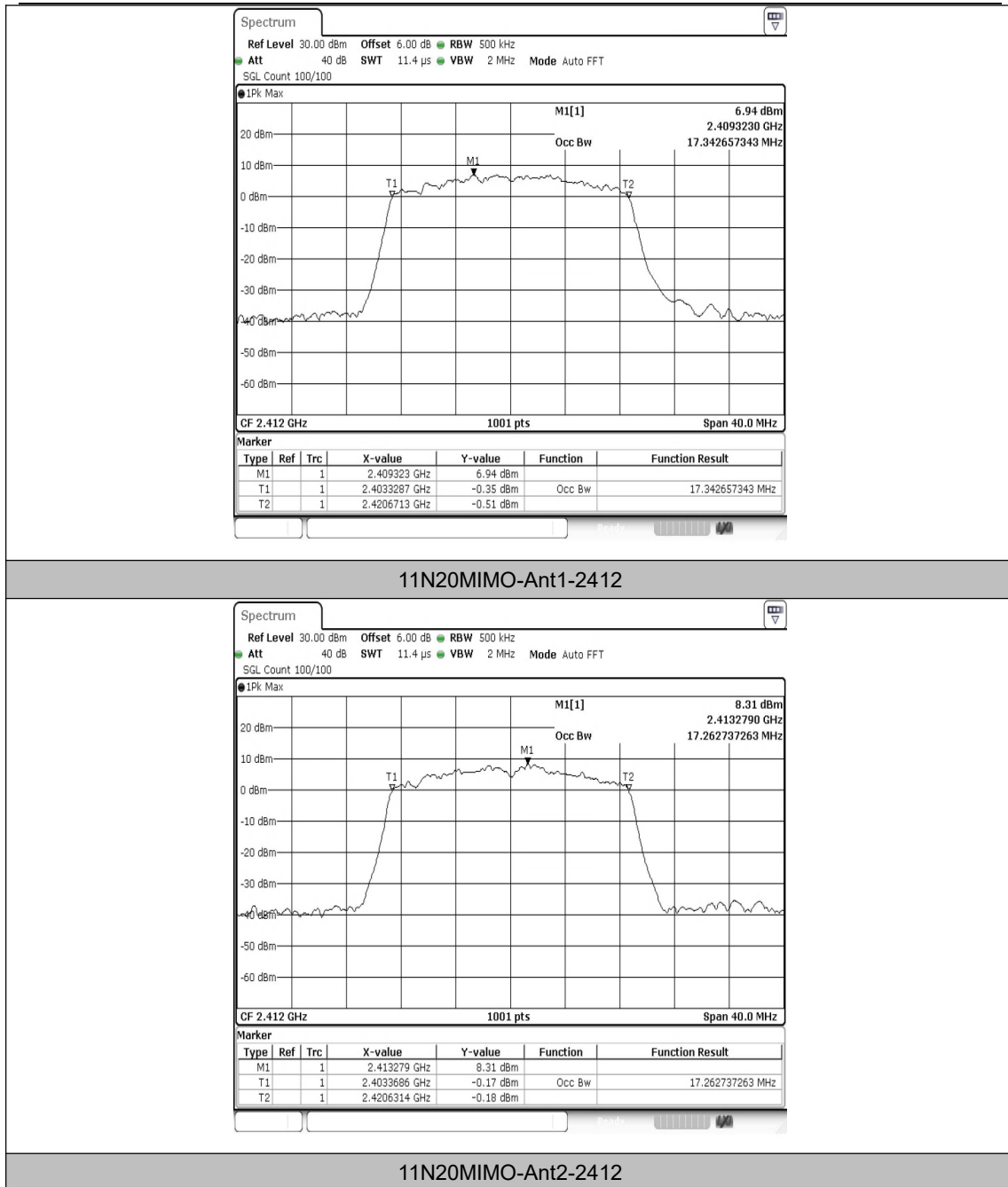


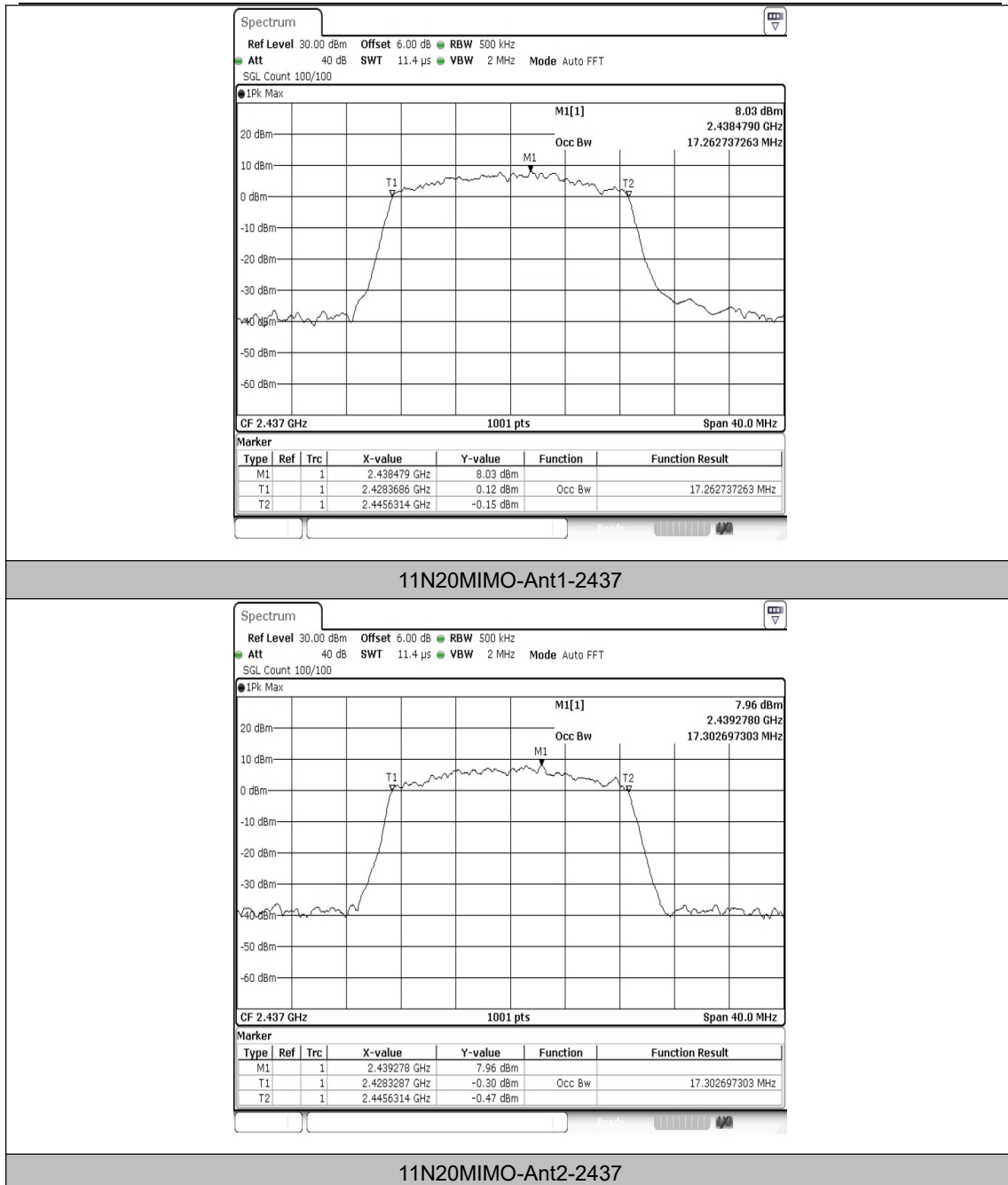


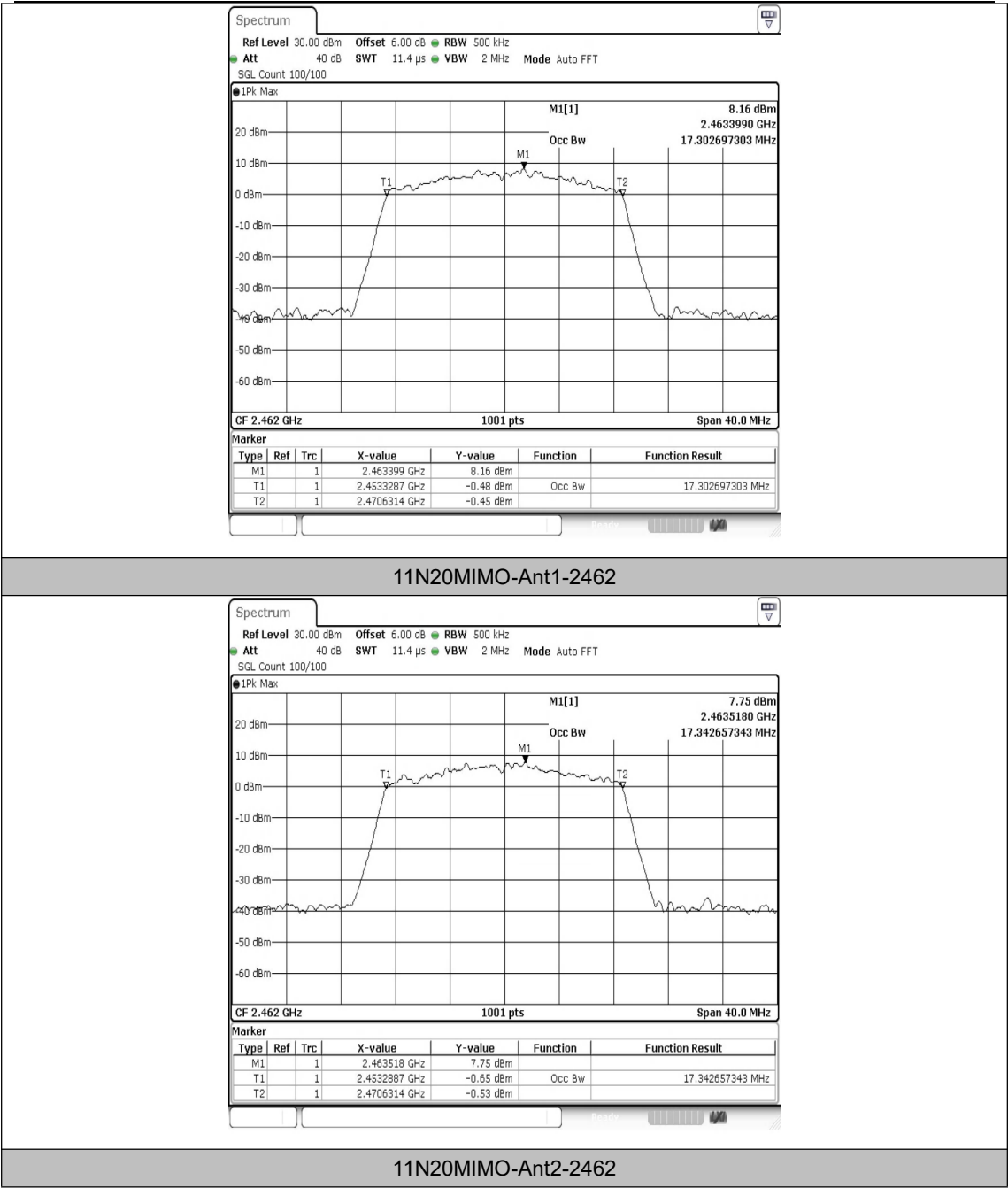


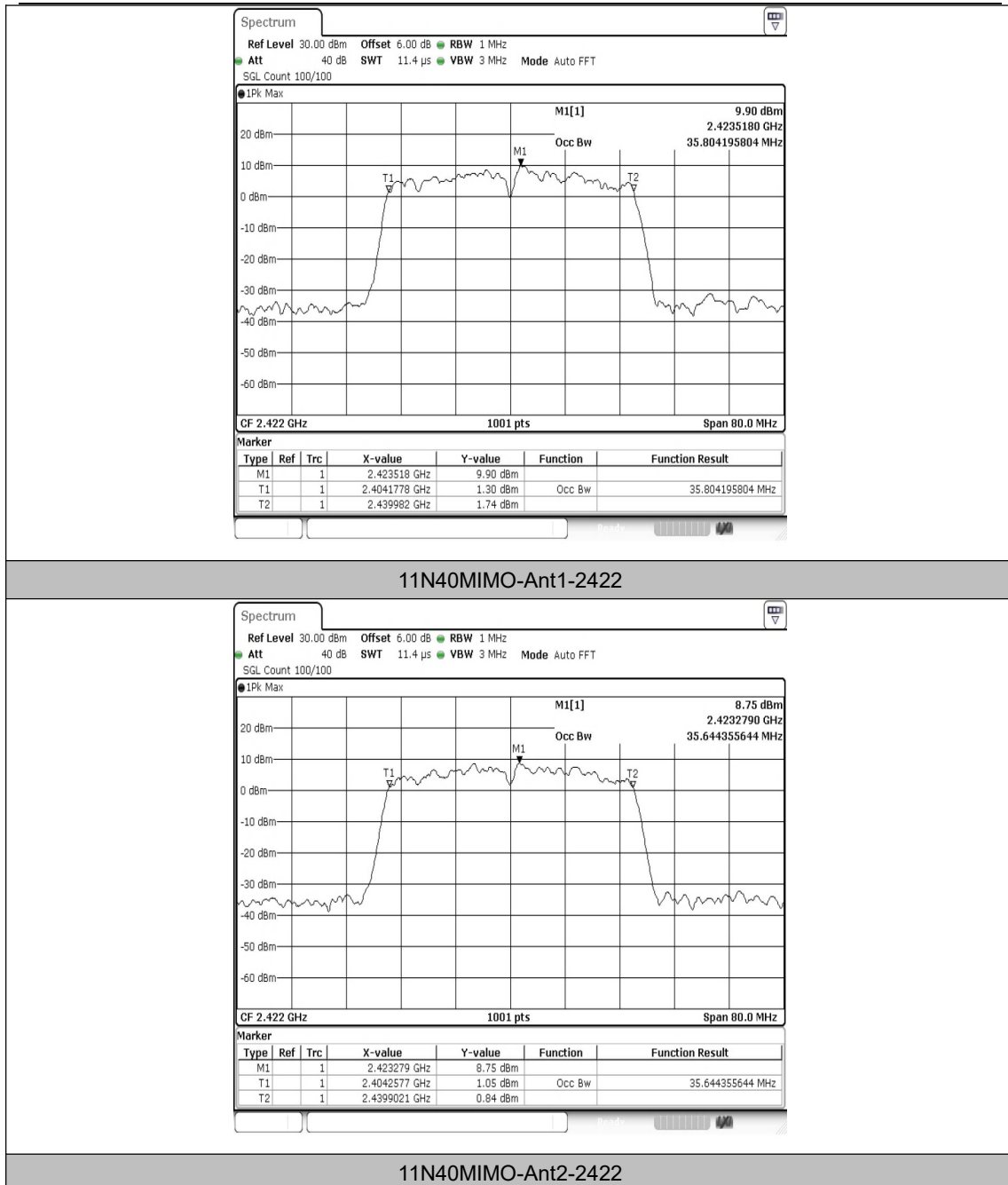


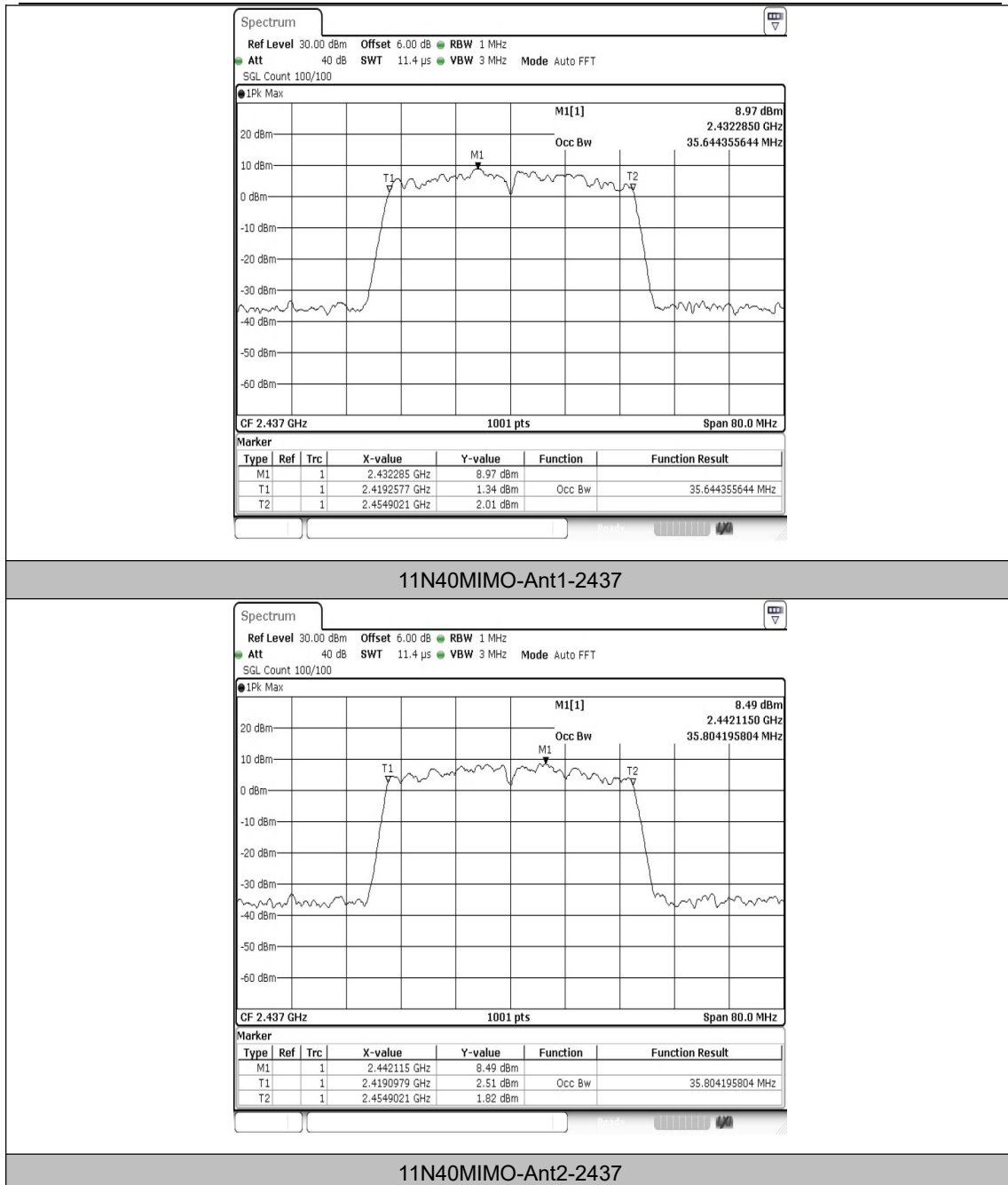


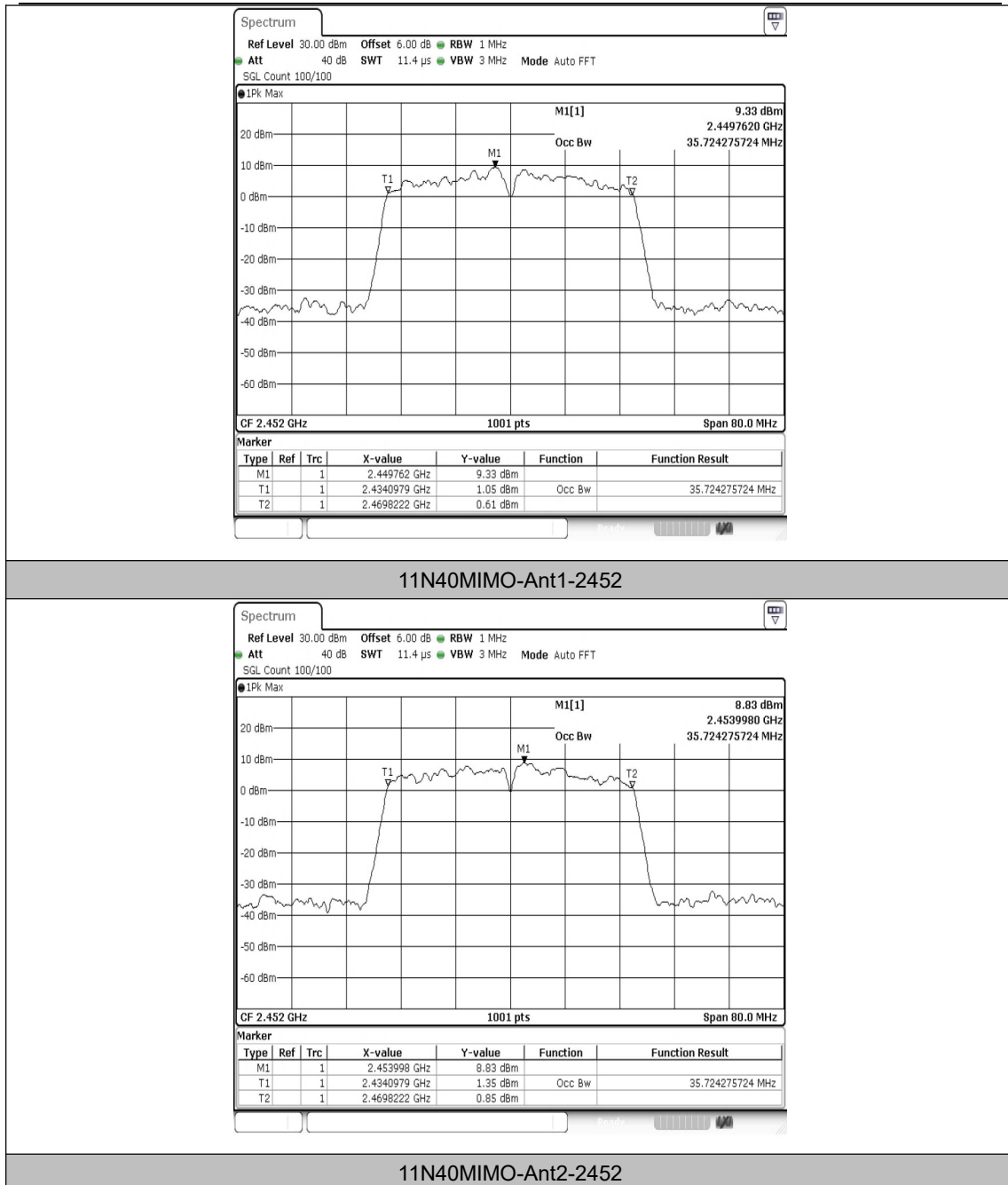












Appendix C: Maximum conducted output power

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	14.93	100.00	0.00	14.93	≤30.00	PASS
11B	Ant2	2412	NA	14.94	100.00	0.00	14.94	≤30.00	PASS
11B	Ant1	2437	NA	15.28	100.00	0.00	15.28	≤30.00	PASS
11B	Ant2	2437	NA	15.26	100.00	0.00	15.26	≤30.00	PASS
11B	Ant1	2462	NA	14.68	100.00	0.00	14.68	≤30.00	PASS
11B	Ant2	2462	NA	14.65	100.00	0.00	14.65	≤30.00	PASS
11G	Ant1	2412	NA	14.76	100.00	0.00	14.76	≤30.00	PASS
11G	Ant2	2412	NA	14.76	100.00	0.00	14.76	≤30.00	PASS
11G	Ant1	2437	NA	14.76	100.00	0.00	14.76	≤30.00	PASS
11G	Ant2	2437	NA	14.76	100.00	0.00	14.76	≤30.00	PASS
11G	Ant1	2462	NA	14.33	100.00	0.00	14.33	≤30.00	PASS
11G	Ant2	2462	NA	14.36	100.00	0.00	14.36	≤30.00	PASS
11N20MI MO	Ant1	2412	NA	14.57	100.00	0.00	14.57	≤30.00	PASS
11N20MI MO	Ant2	2412	NA	14.57	100.00	0.00	14.57	≤30.00	PASS
11N20MI MO	total	2412	---	---	---	---	17.58	≤30.00	PASS
11N20MI MO	Ant1	2437	NA	14.59	100.00	0.00	14.59	≤30.00	PASS
11N20MI MO	Ant2	2437	NA	14.57	100.00	0.00	14.57	≤30.00	PASS
11N20MI MO	total	2437	---	---	---	---	17.59	≤30.00	PASS
11N20MI MO	Ant1	2462	NA	14.32	100.00	0.00	14.32	≤30.00	PASS
11N20MI MO	Ant2	2462	NA	14.34	100.00	0.00	14.34	≤30.00	PASS
11N20MI MO	total	2462	---	---	---	---	17.34	≤30.00	PASS
11N40MI MO	Ant1	2422	NA	14.78	100.00	0.00	14.78	≤30.00	PASS
11N40MI MO	Ant2	2422	NA	14.79	100.00	0.00	14.79	≤30.00	PASS
11N40MI	total	2422	---	---	---	---	17.80	≤30.00	PASS

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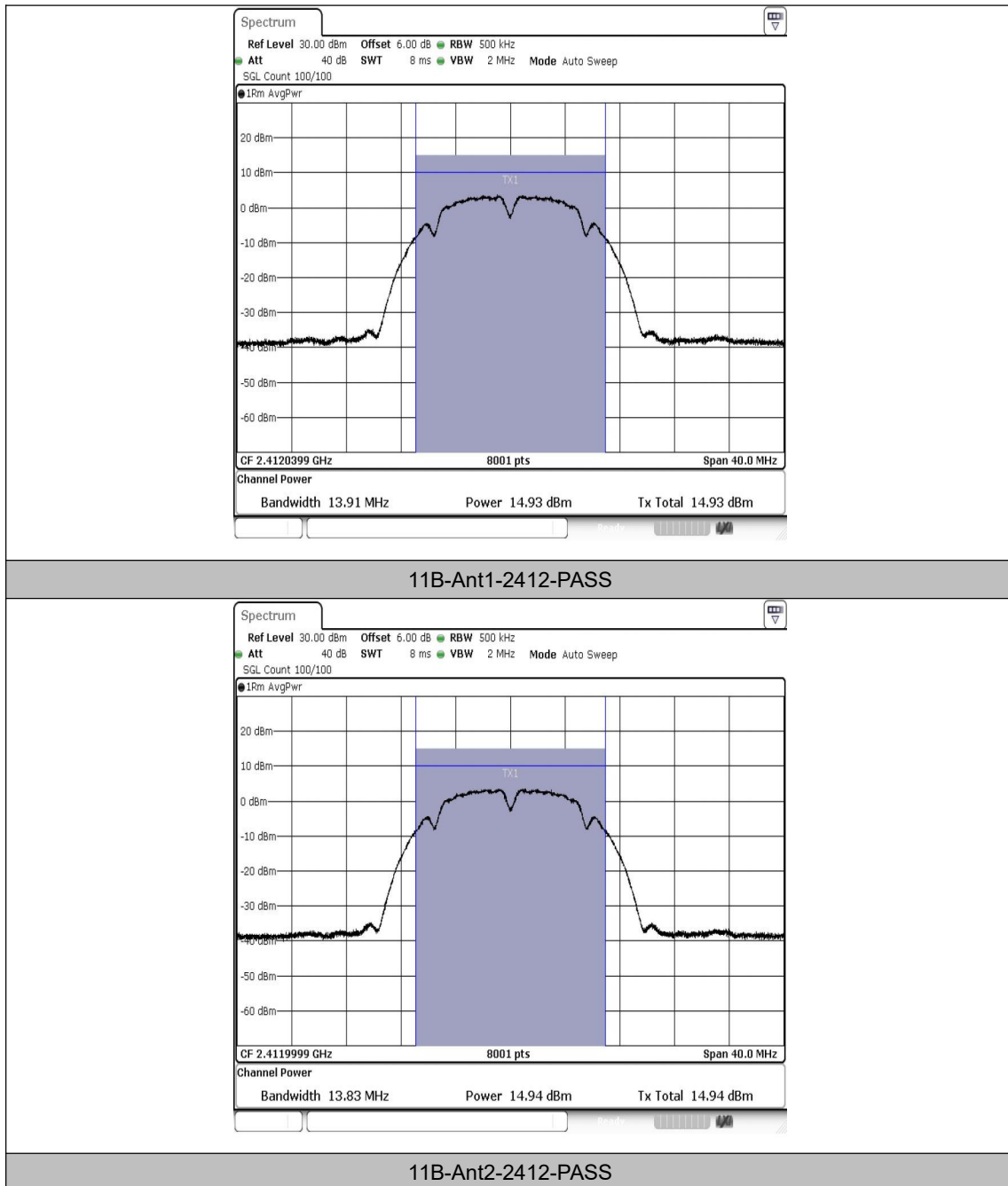
MO									
11N40MI MO	Ant1	2437	NA	14.73	100.00	0.00	14.73	≤30.00	PASS
11N40MI MO	Ant2	2437	NA	14.75	100.00	0.00	14.75	≤30.00	PASS
11N40MI MO	total	2437	---	---	---	---	17.75	≤30.00	PASS
11N40MI MO	Ant1	2452	NA	14.42	100.00	0.00	14.42	≤30.00	PASS
11N40MI MO	Ant2	2452	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11N40MI MO	total	2452	---	---	---	---	17.42	≤30.00	PASS

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

2. As Directional gain = $10 \log[(10G1/20 + 10G2/20) 2 /NANT]$ dBi=5.01<6dBi,
so limit=30dBm.

3. MIMO= $10 \cdot \text{LOG}((10^{\wedge}ANT1/10)+10^{\wedge}(ANT2/10))$

Test Graphs Average



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