

Appendix Test Data

Report No:	1819C40046912501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.13	Finish Test Date:	2024.10.14
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.4°C	Relative Humidity:	55%
Pressure:	101 kPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11b	Ant1	2412	9.24	2407.36	2416.60	0.5	PASS
802.11b	Ant2	2412	11.20	2406.40	2417.60	0.5	PASS
802.11b	Ant1	2437	9.32	2431.84	2441.16	0.5	PASS
802.11b	Ant2	2437	11.32	2431.32	2442.64	0.5	PASS
802.11b	Ant1	2462	9.36	2457.48	2466.84	0.5	PASS
802.11b	Ant2	2462	9.32	2457.60	2466.92	0.5	PASS
802.11g	Ant1	2412	15.76	2403.72	2419.48	0.5	PASS
802.11g	Ant2	2412	16.48	2403.80	2420.28	0.5	PASS
802.11g	Ant1	2437	15.88	2429.08	2444.96	0.5	PASS
802.11g	Ant2	2437	16.60	2428.72	2445.32	0.5	PASS
802.11g	Ant1	2462	16.04	2453.72	2469.76	0.5	PASS
802.11g	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
802.11n (HT20)MIMO	Ant1	2412	17.32	2403.44	2420.76	0.5	PASS
802.11n (HT20)MIMO	Ant2	2412	17.56	2403.16	2420.72	0.5	PASS
802.11n (HT20)MIMO	Ant1	2437	17.68	2428.16	2445.84	0.5	PASS
802.11n (HT20)MIMO	Ant2	2437	17.68	2428.20	2445.88	0.5	PASS
802.11n (HT20)MIMO	Ant1	2462	17.56	2453.20	2470.76	0.5	PASS
802.11n (HT20)MIMO	Ant2	2462	17.52	2453.20	2470.72	0.5	PASS
802.11n (HT40)MIMO	Ant1	2422	36.32	2403.84	2440.16	0.5	PASS

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802.11n (HT40)MIMO	Ant2	2422	35.76	2403.84	2439.60	0.5	PASS
802.11n (HT40)MIMO	Ant1	2437	36.08	2419.00	2455.08	0.5	PASS
802.11n (HT40)MIMO	Ant2	2437	35.52	2419.48	2455.00	0.5	PASS
802.11n (HT40)MIMO	Ant1	2452	35.52	2434.48	2470.00	0.5	PASS
802.11n (HT40)MIMO	Ant2	2452	36.32	2433.92	2470.24	0.5	PASS

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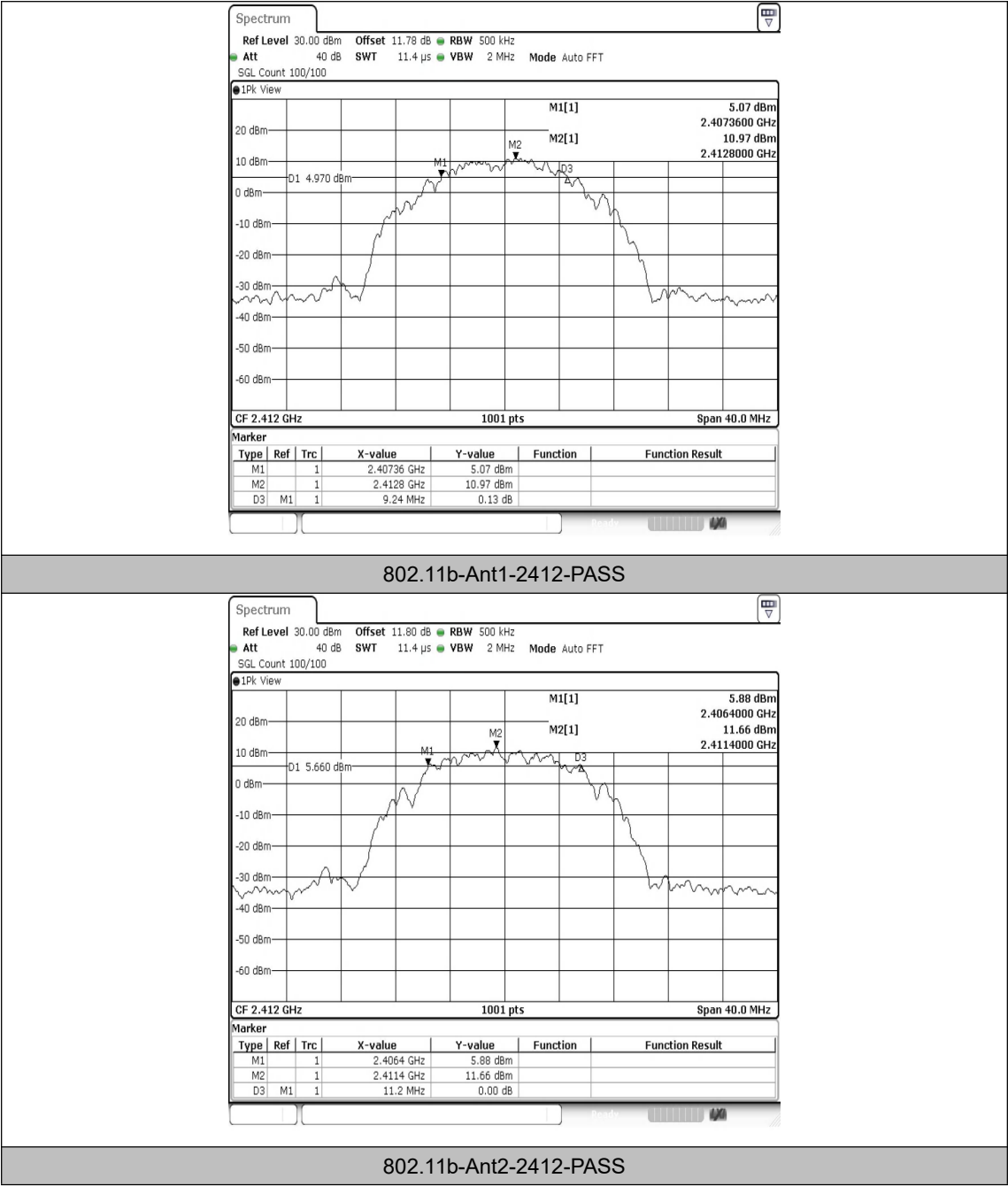
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

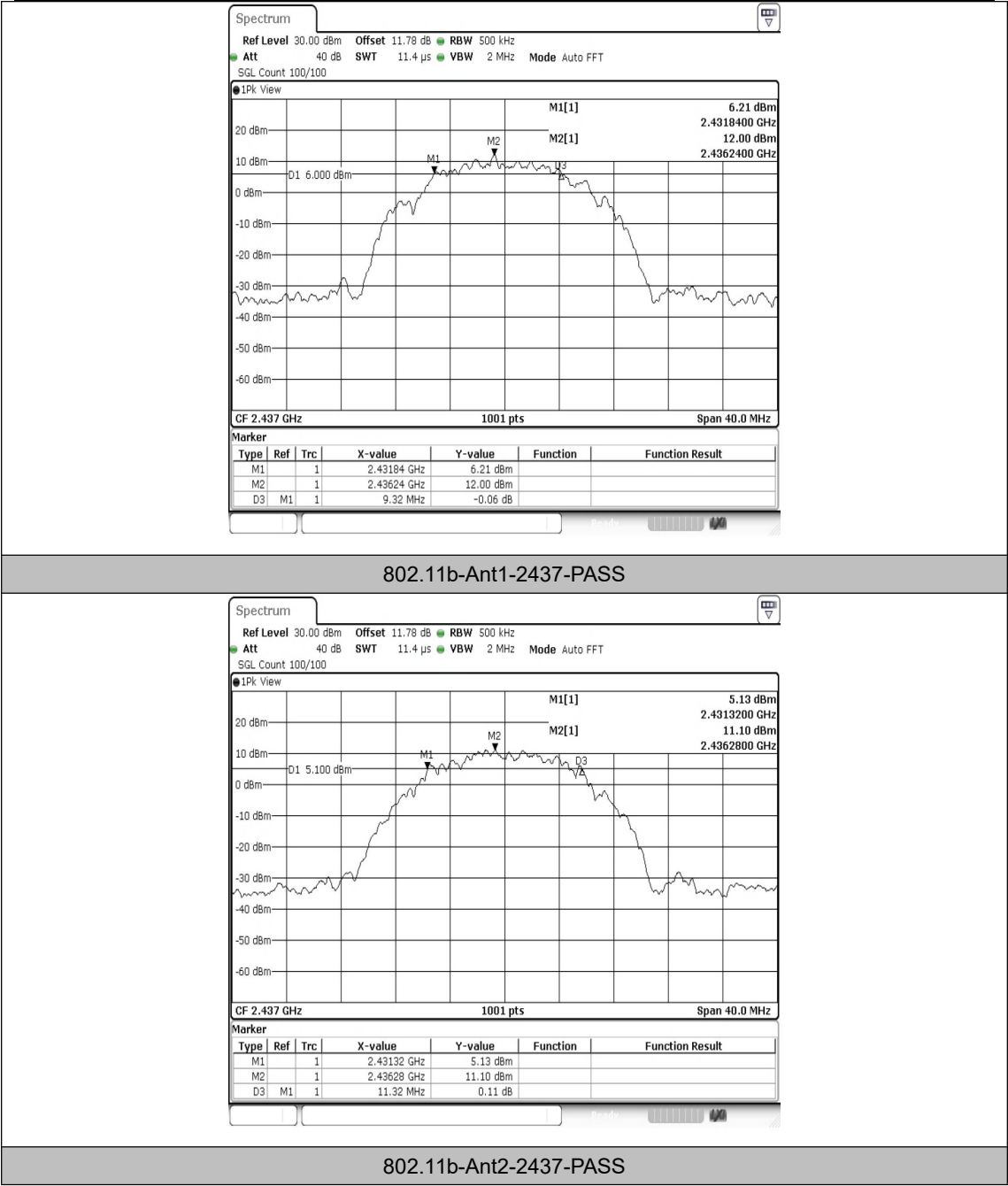


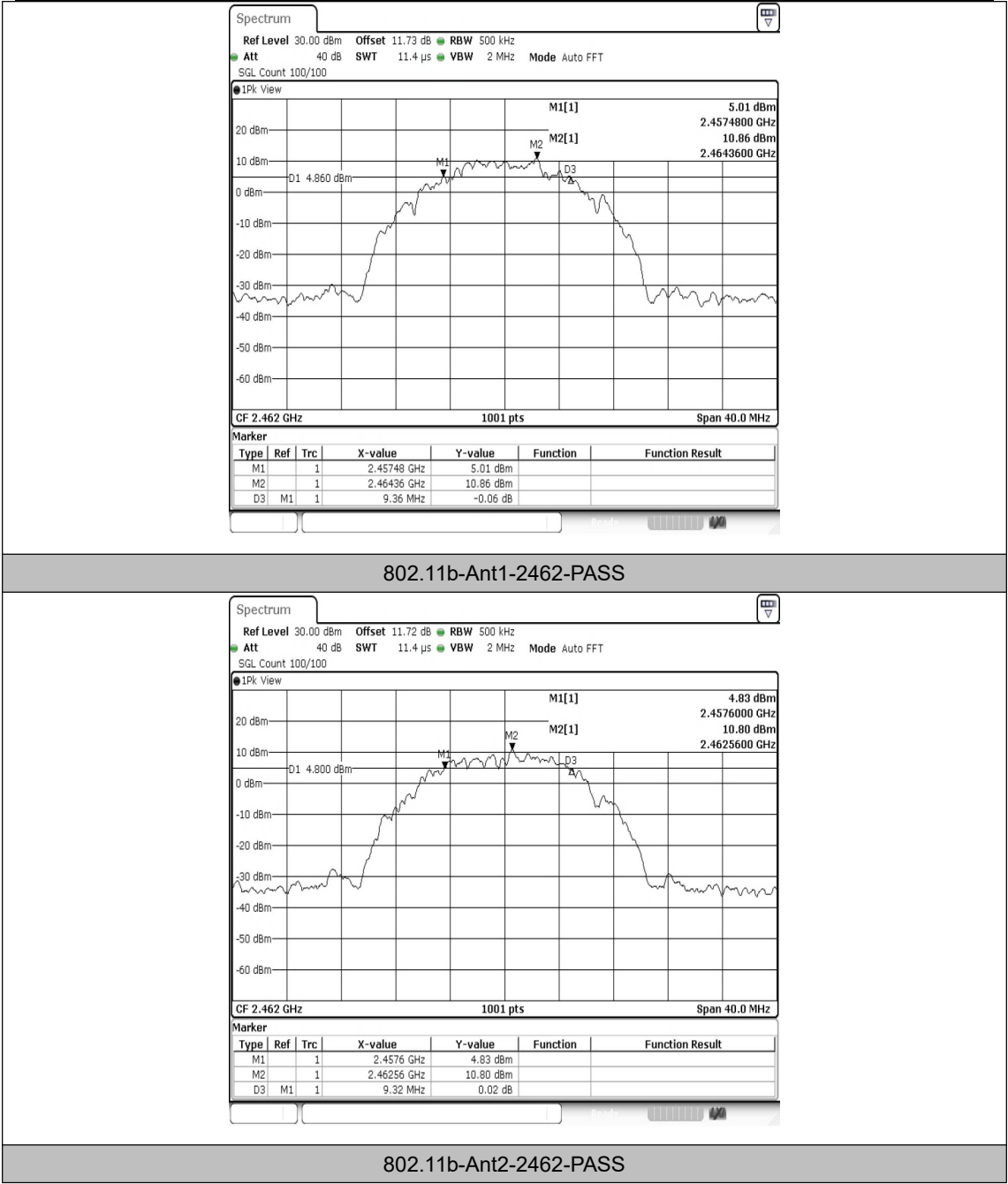
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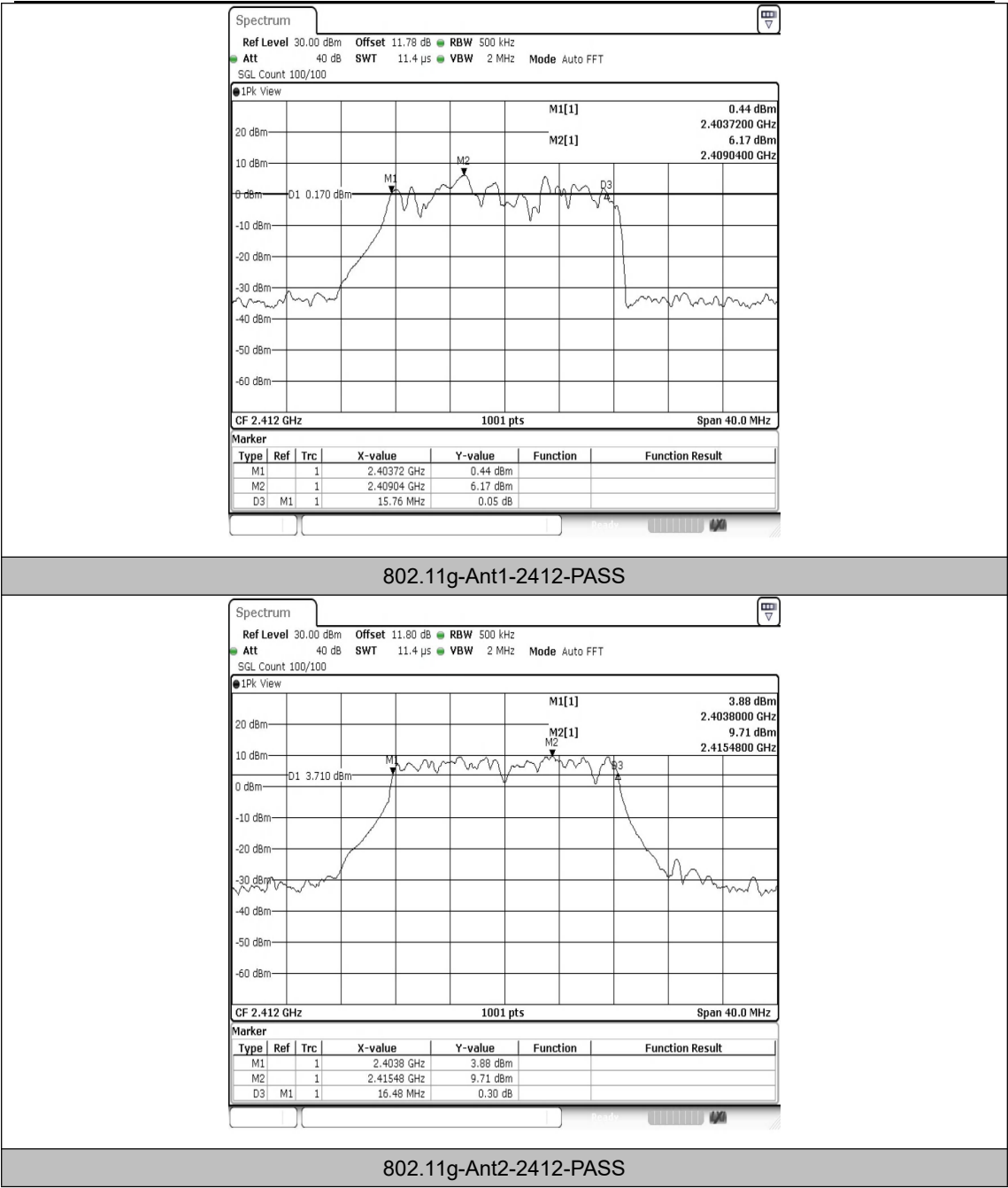


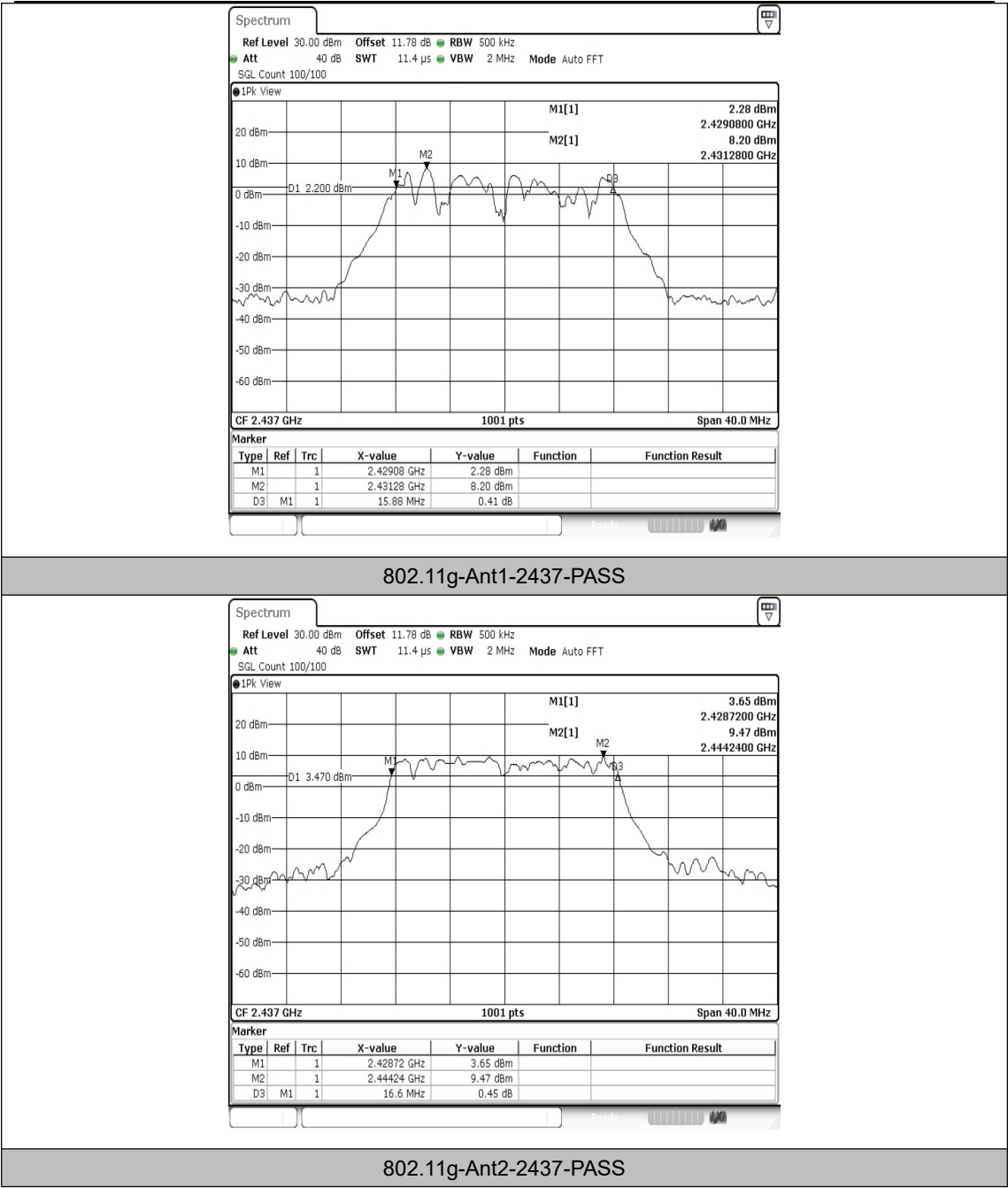
Test Graphs

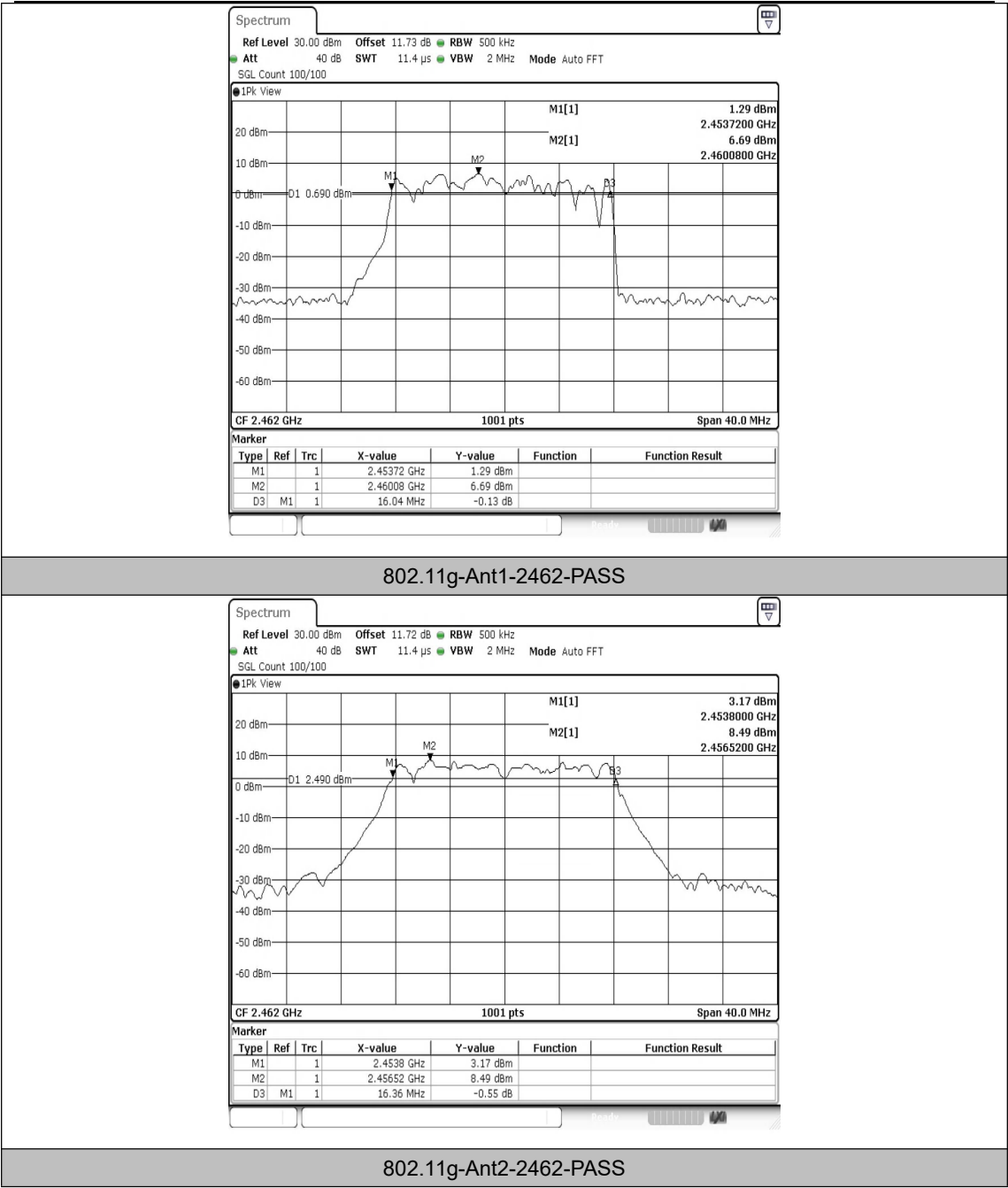


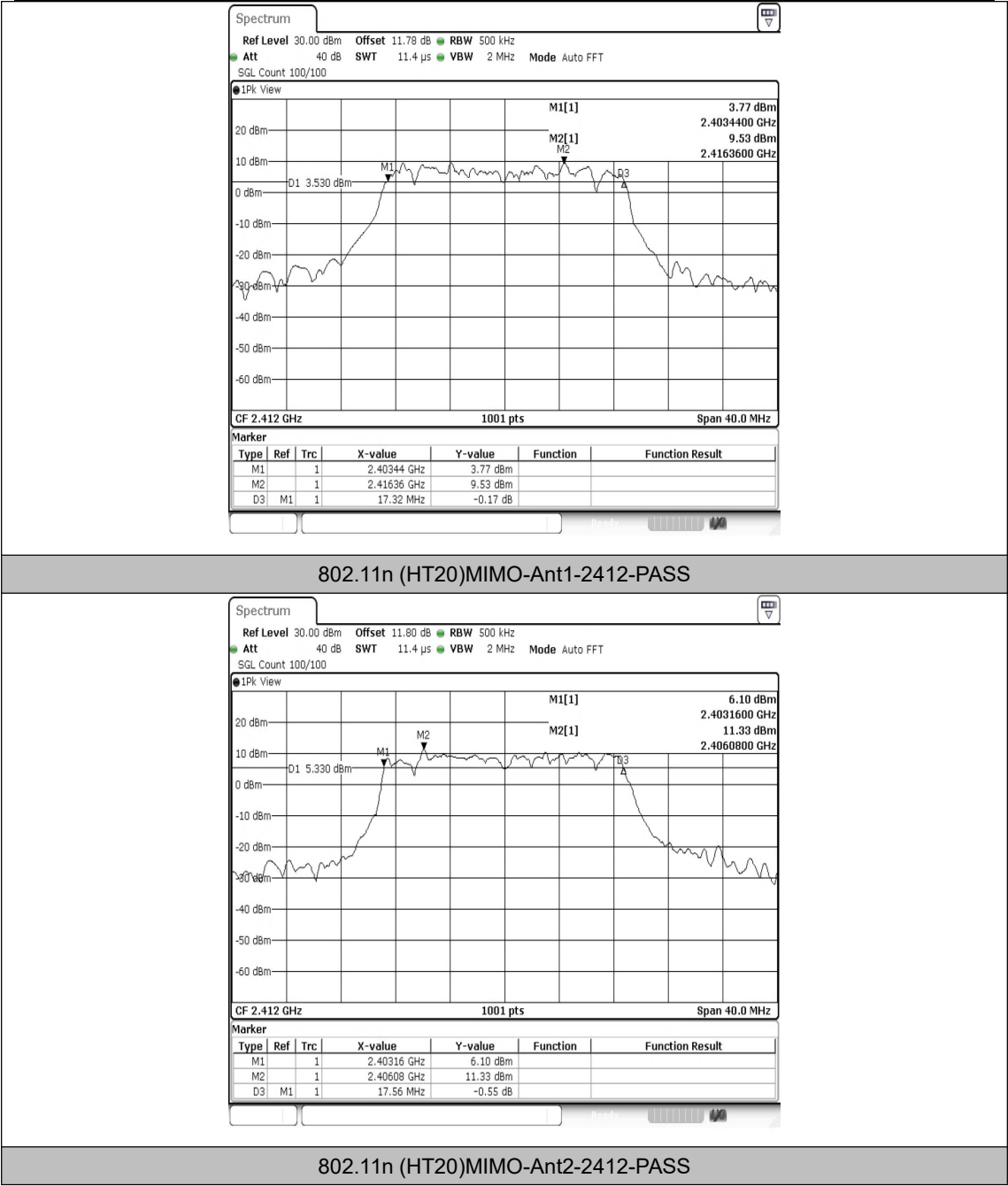


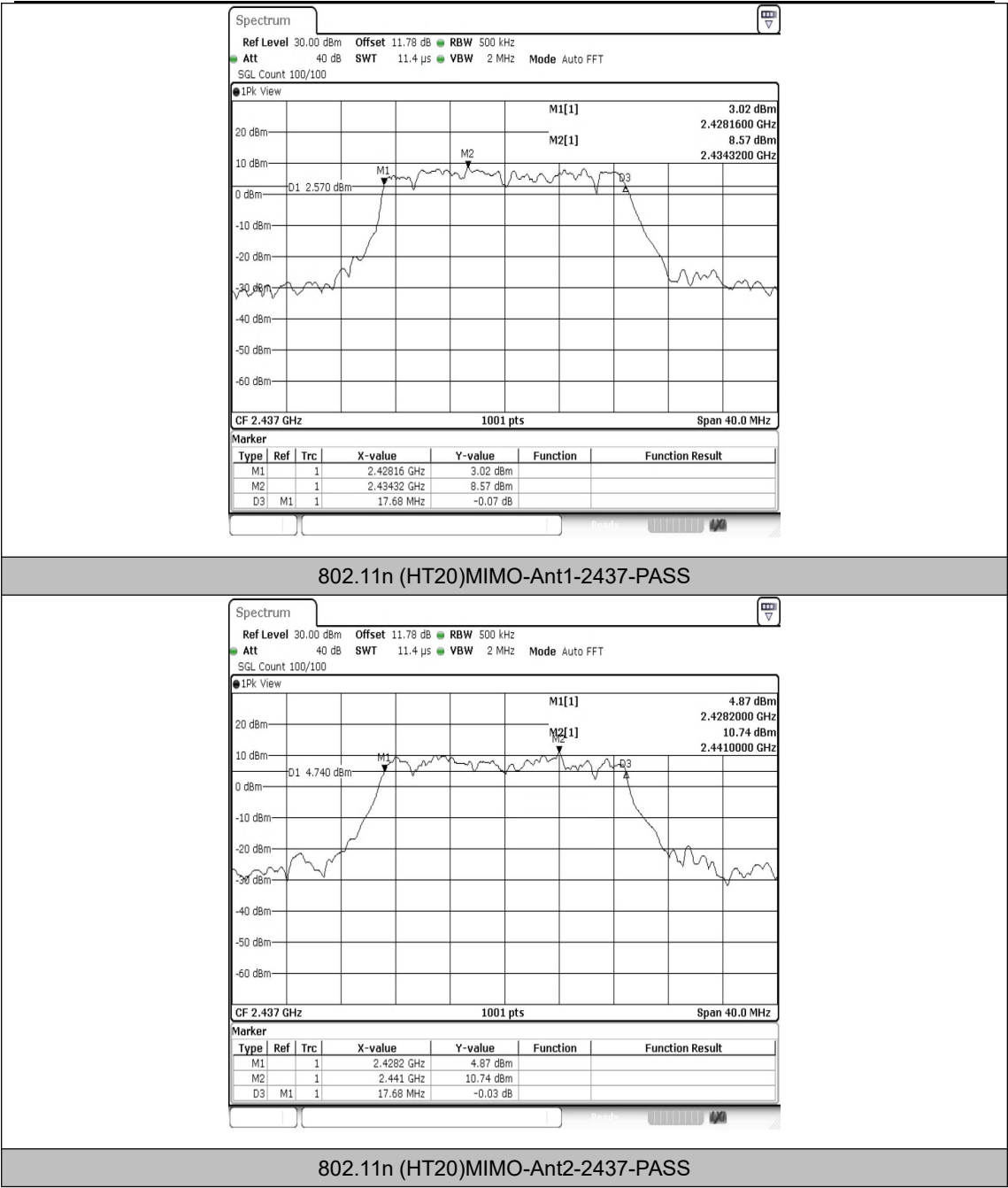


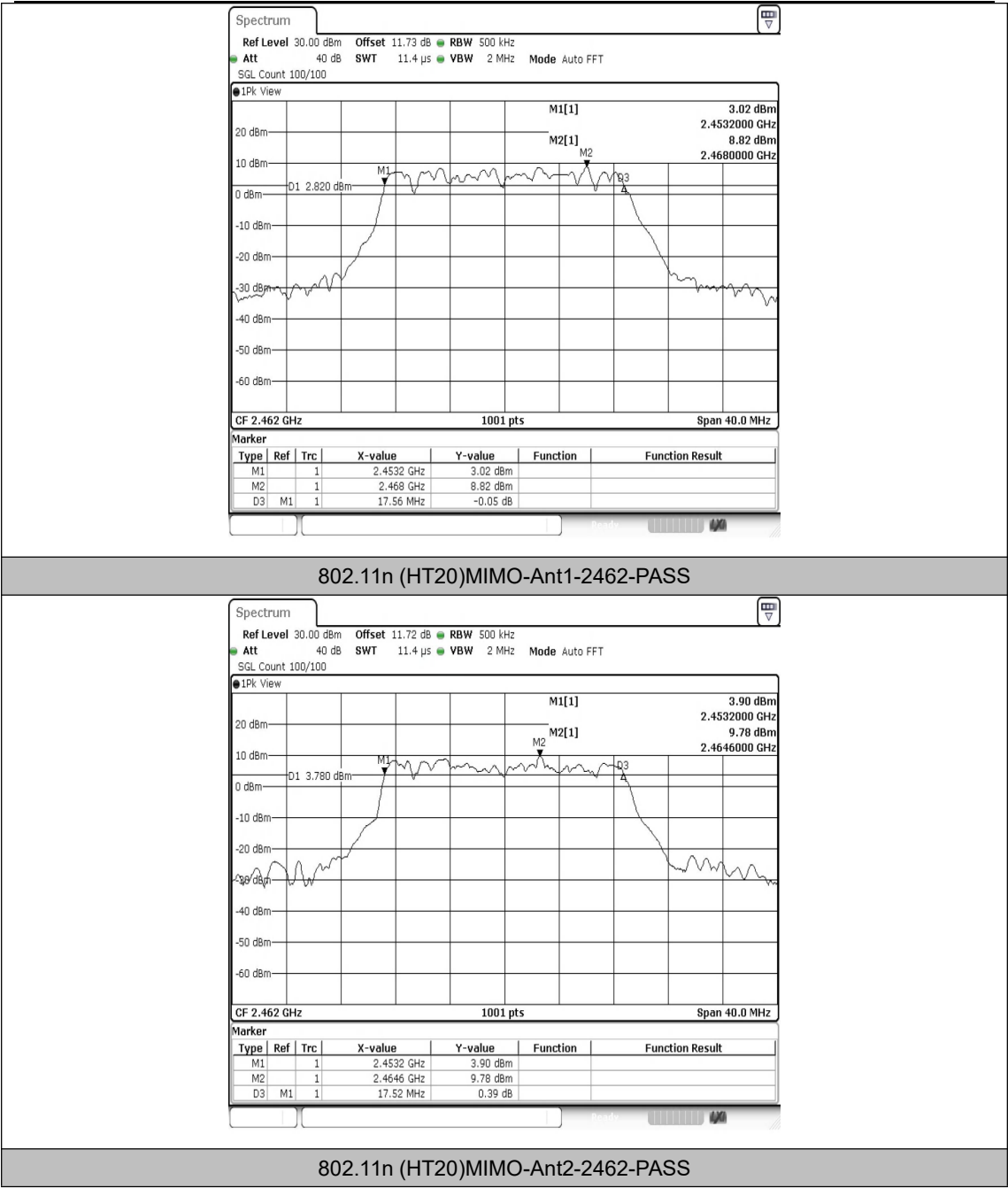


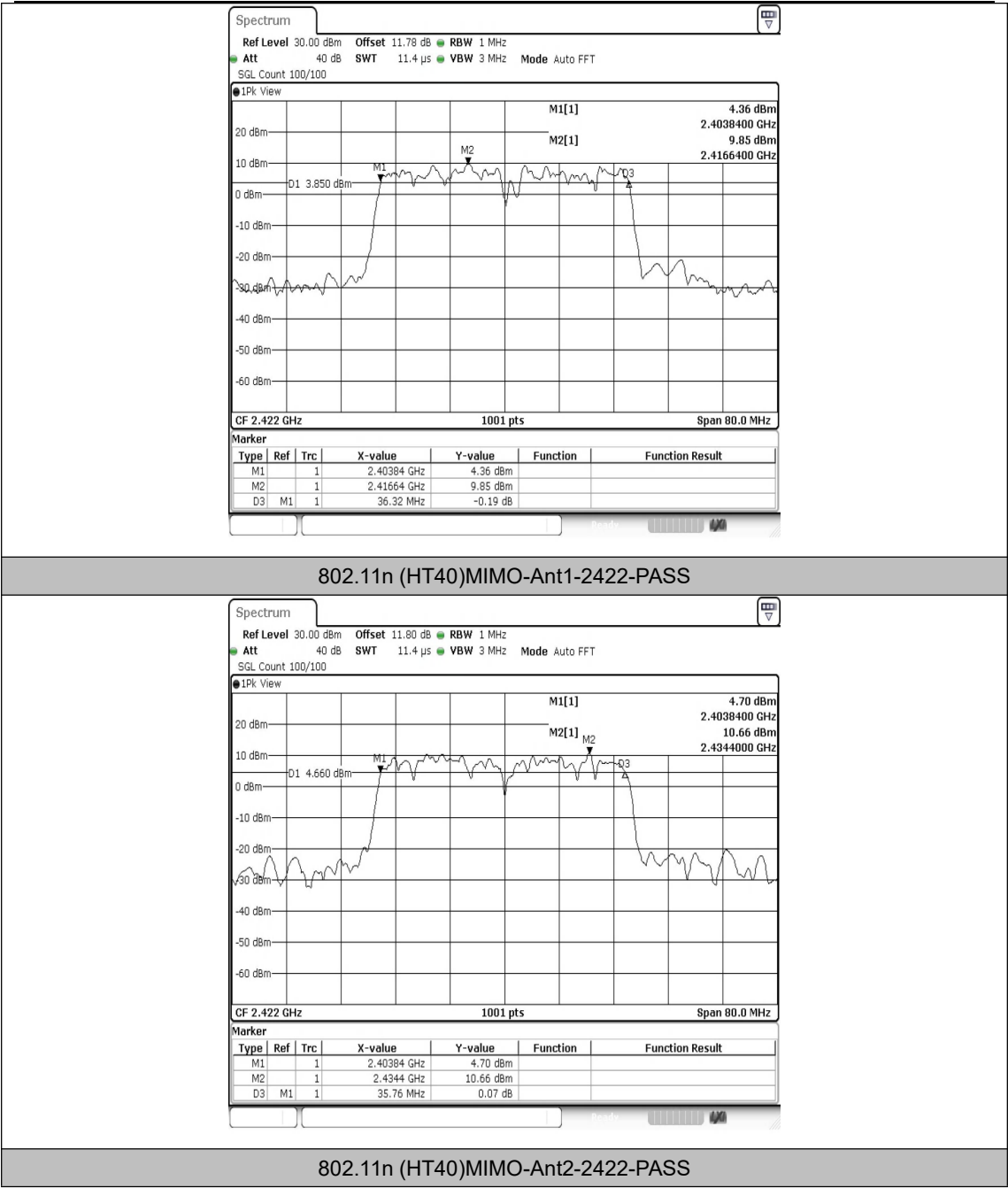


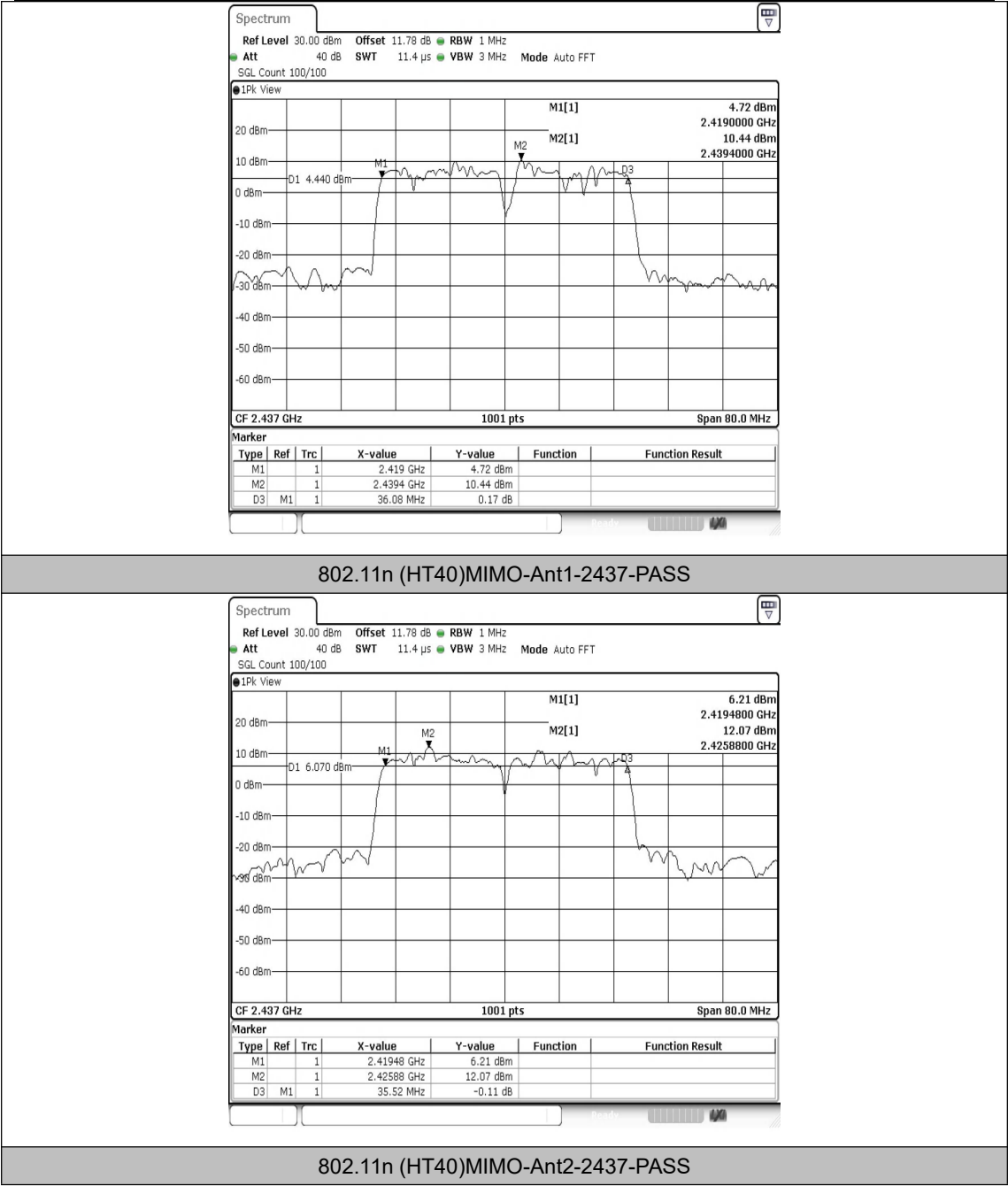


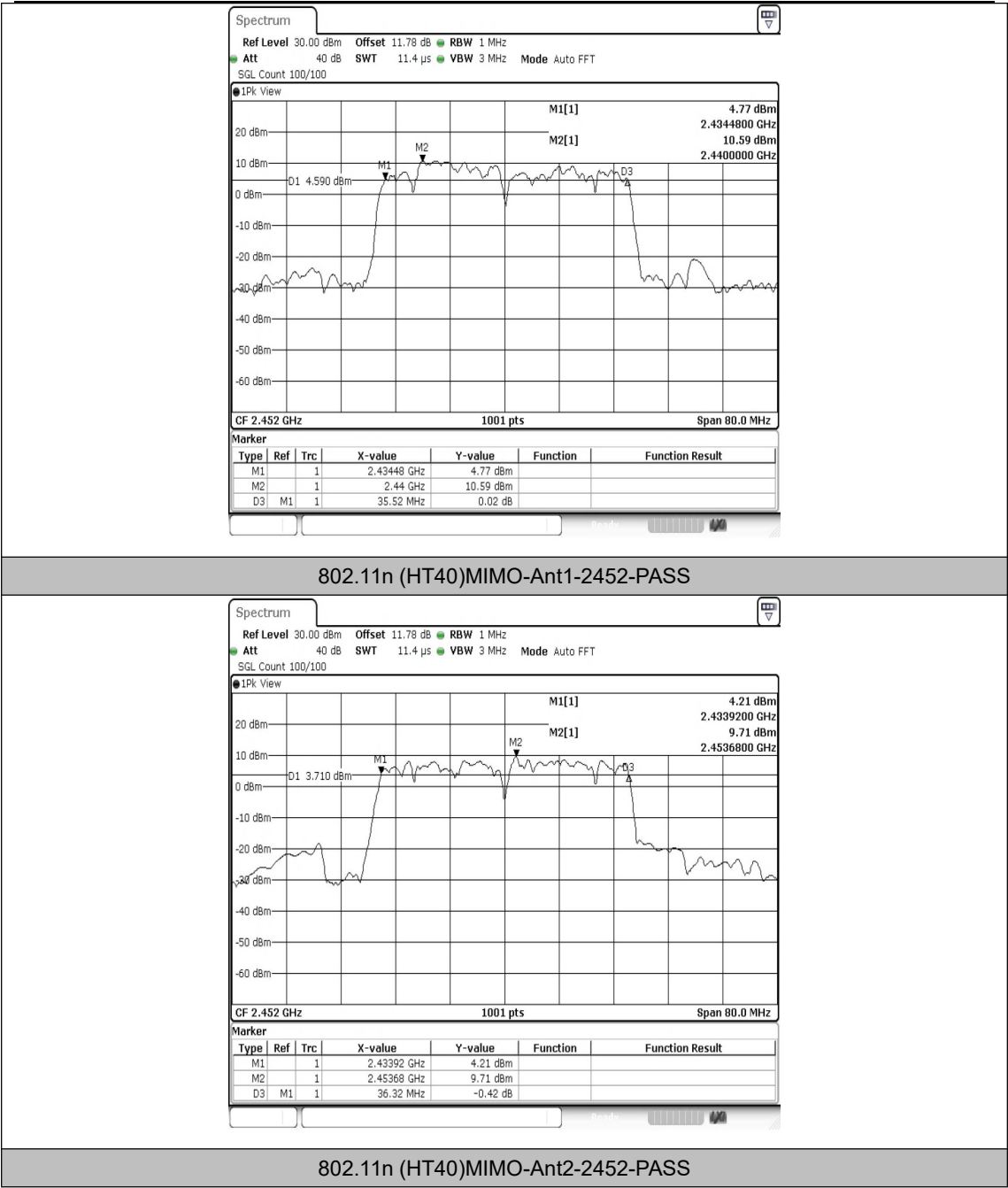












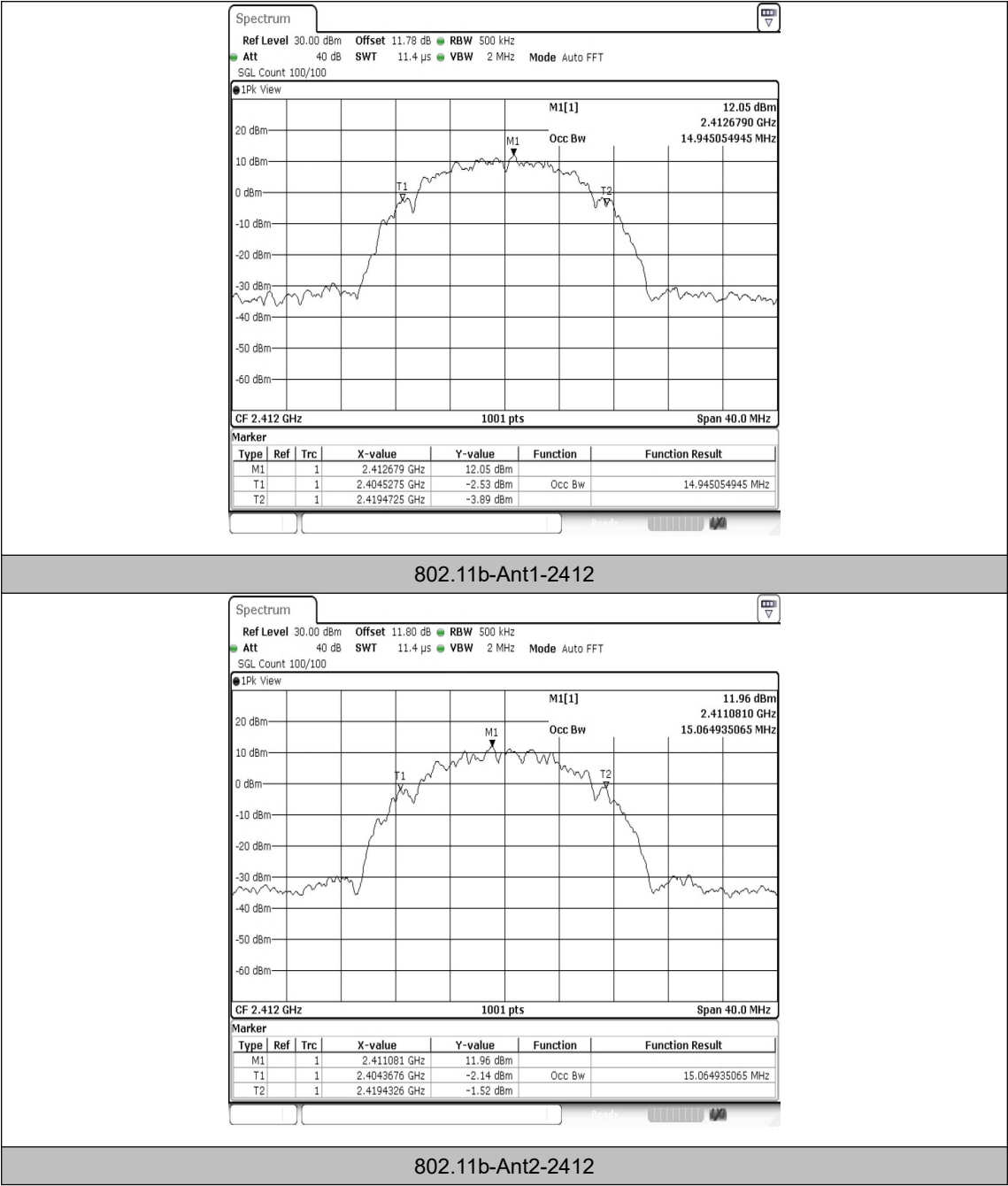
Appendix B: Occupied Channel Bandwidth

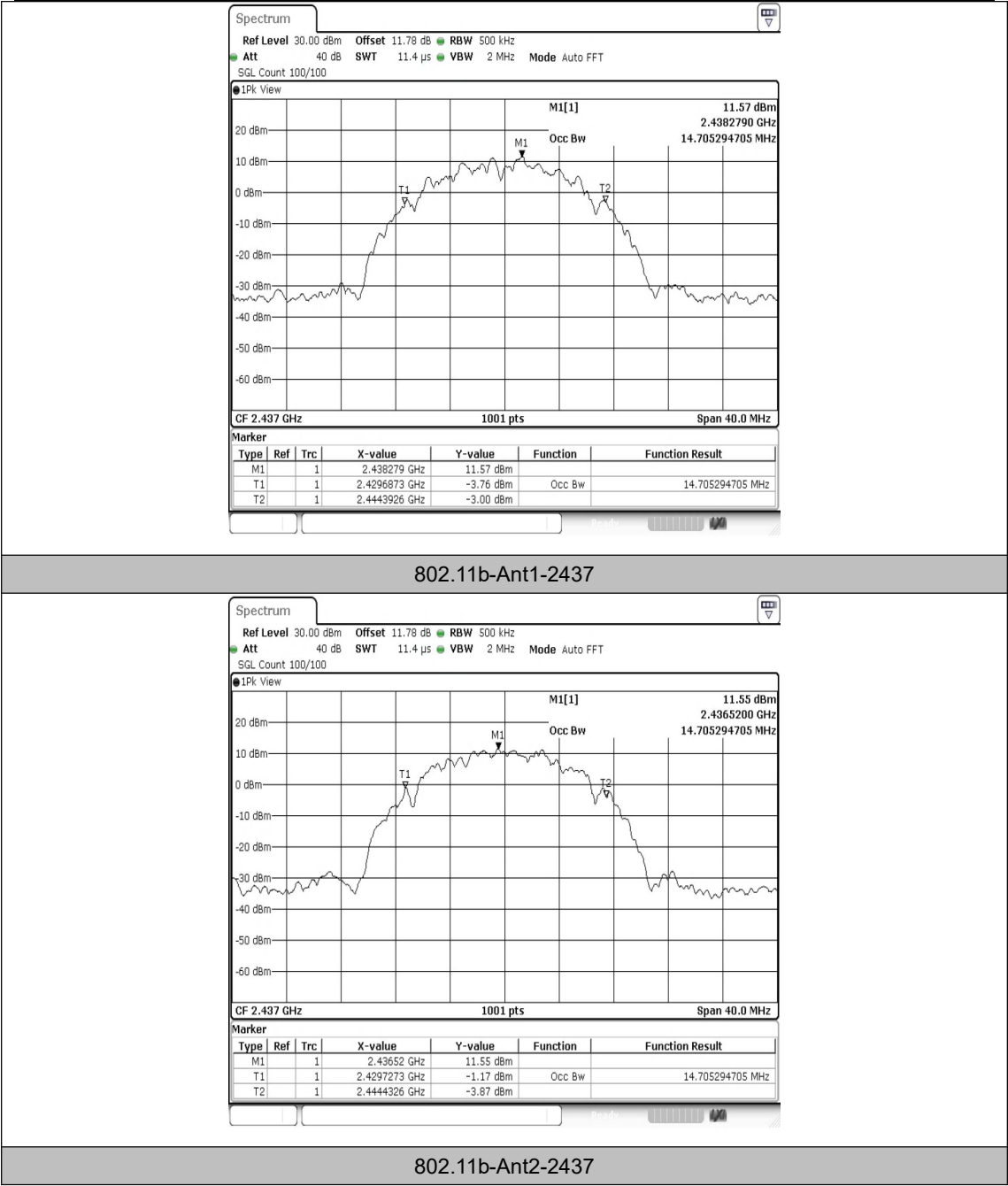
Test Result

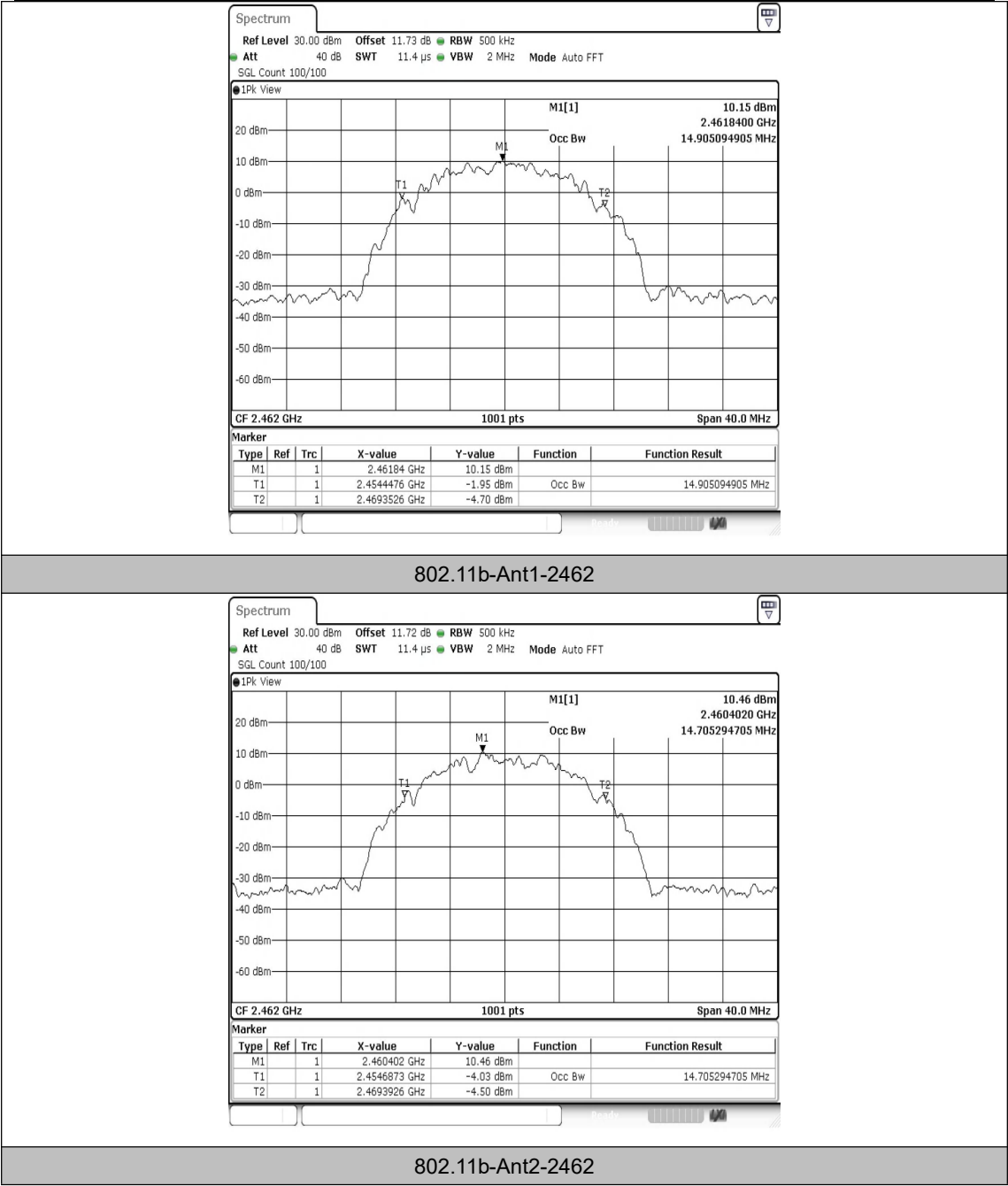
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11b	Ant1	2412	14.945	2404.5275	2419.4725	---	---
802.11b	Ant2	2412	15.065	2404.3676	2419.4326	---	---
802.11b	Ant1	2437	14.705	2429.6873	2444.3926	---	---
802.11b	Ant2	2437	14.705	2429.7273	2444.4326	---	---
802.11b	Ant1	2462	14.905	2454.4476	2469.3526	---	---
802.11b	Ant2	2462	14.705	2454.6873	2469.3926	---	---
802.11g	Ant1	2412	17.223	2403.6484	2420.8711	---	---
802.11g	Ant2	2412	17.103	2403.1688	2420.2717	---	---
802.11g	Ant1	2437	16.943	2428.4486	2445.3916	---	---
802.11g	Ant2	2437	17.023	2428.3287	2445.3516	---	---
802.11g	Ant1	2462	16.663	2453.6883	2470.3516	---	---
802.11g	Ant2	2462	16.703	2453.8082	2470.5115	---	---
802.11n (HT20)MIMO	Ant1	2412	17.822	2403.1688	2420.9910	---	---
802.11n (HT20)MIMO	Ant2	2412	17.822	2403.0889	2420.9111	---	---
802.11n (HT20)MIMO	Ant1	2437	17.862	2428.0889	2445.9510	---	---
802.11n (HT20)MIMO	Ant2	2437	18.062	2427.8092	2445.8711	---	---
802.11n (HT20)MIMO	Ant1	2462	17.862	2453.0490	2470.9111	---	---
802.11n (HT20)MIMO	Ant2	2462	17.862	2453.0889	2470.9510	---	---
802.11n (HT40)MIMO	Ant1	2422	36.044	2404.0180	2440.0619	---	---
802.11n (HT40)MIMO	Ant2	2422	36.124	2403.9381	2440.0619	---	---
802.11n (HT40)MIMO	Ant1	2437	36.204	2418.8581	2455.0619	---	---
802.11n (HT40)MIMO	Ant2	2437	36.284	2418.7782	2455.0619	---	---
802.11n (HT40)MIMO	Ant1	2452	36.284	2433.8581	2470.1419	---	---
802.11n (HT40)MIMO	Ant2	2452	36.204	2433.7782	2469.9820	---	---

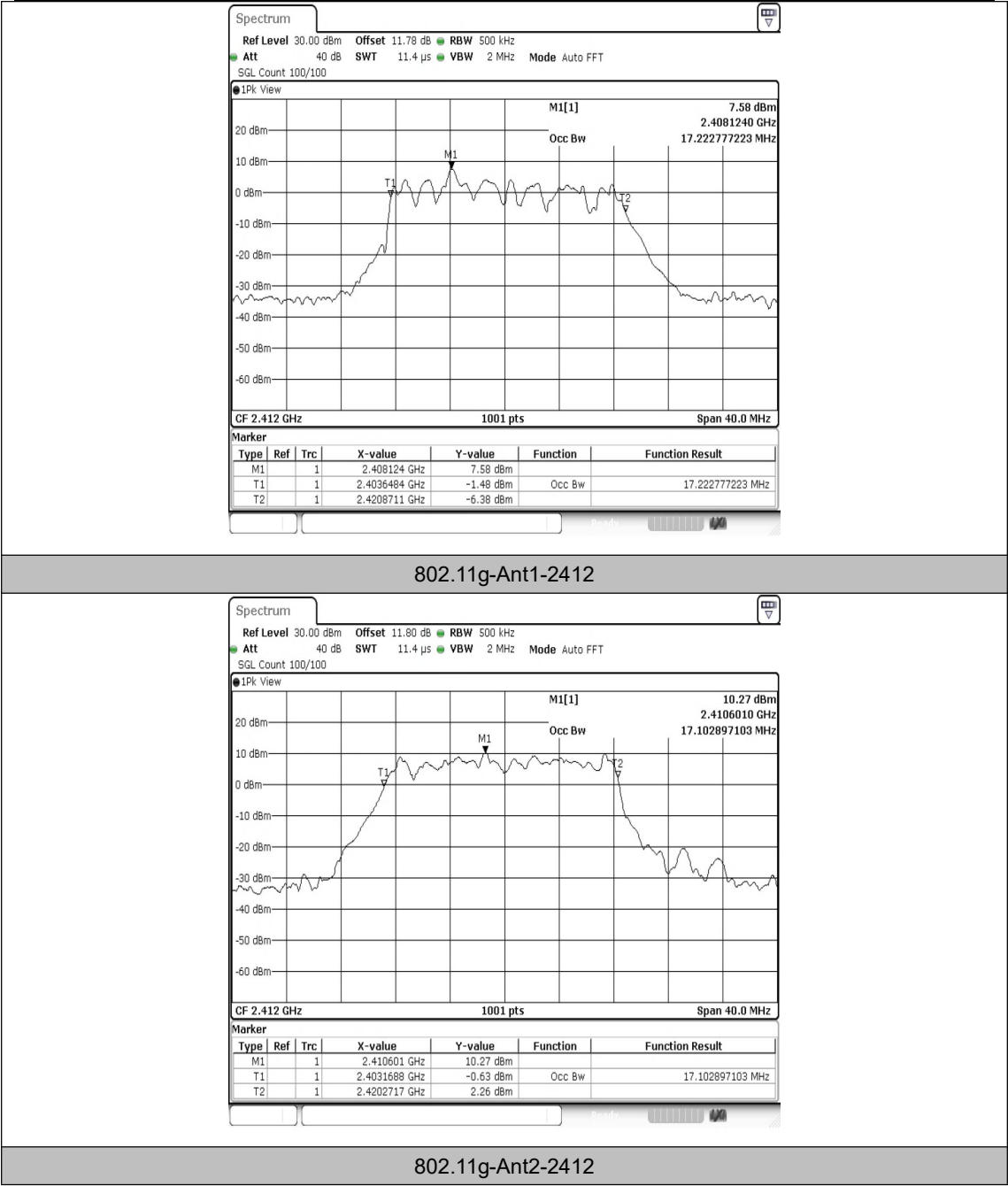


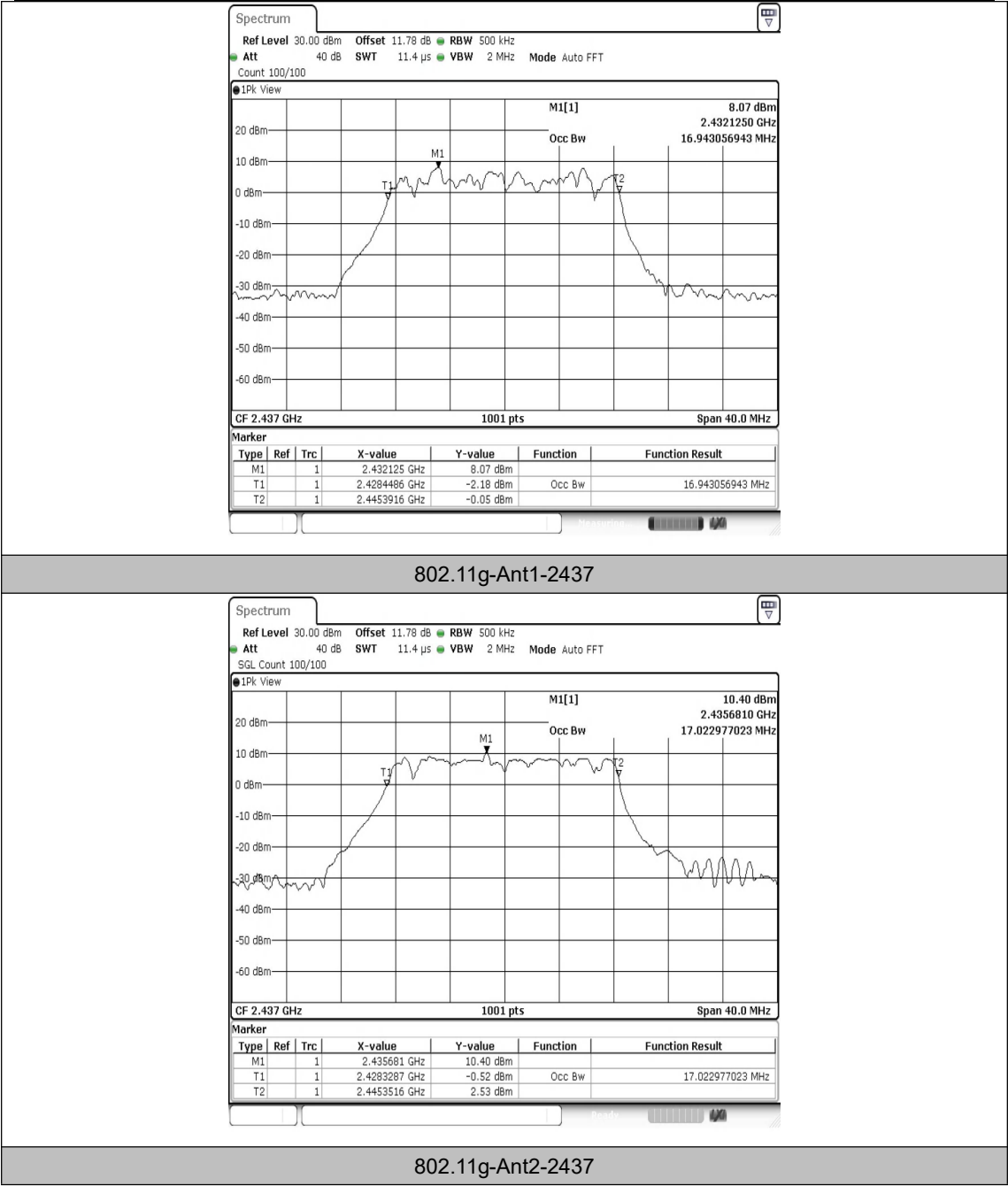
Test Graphs

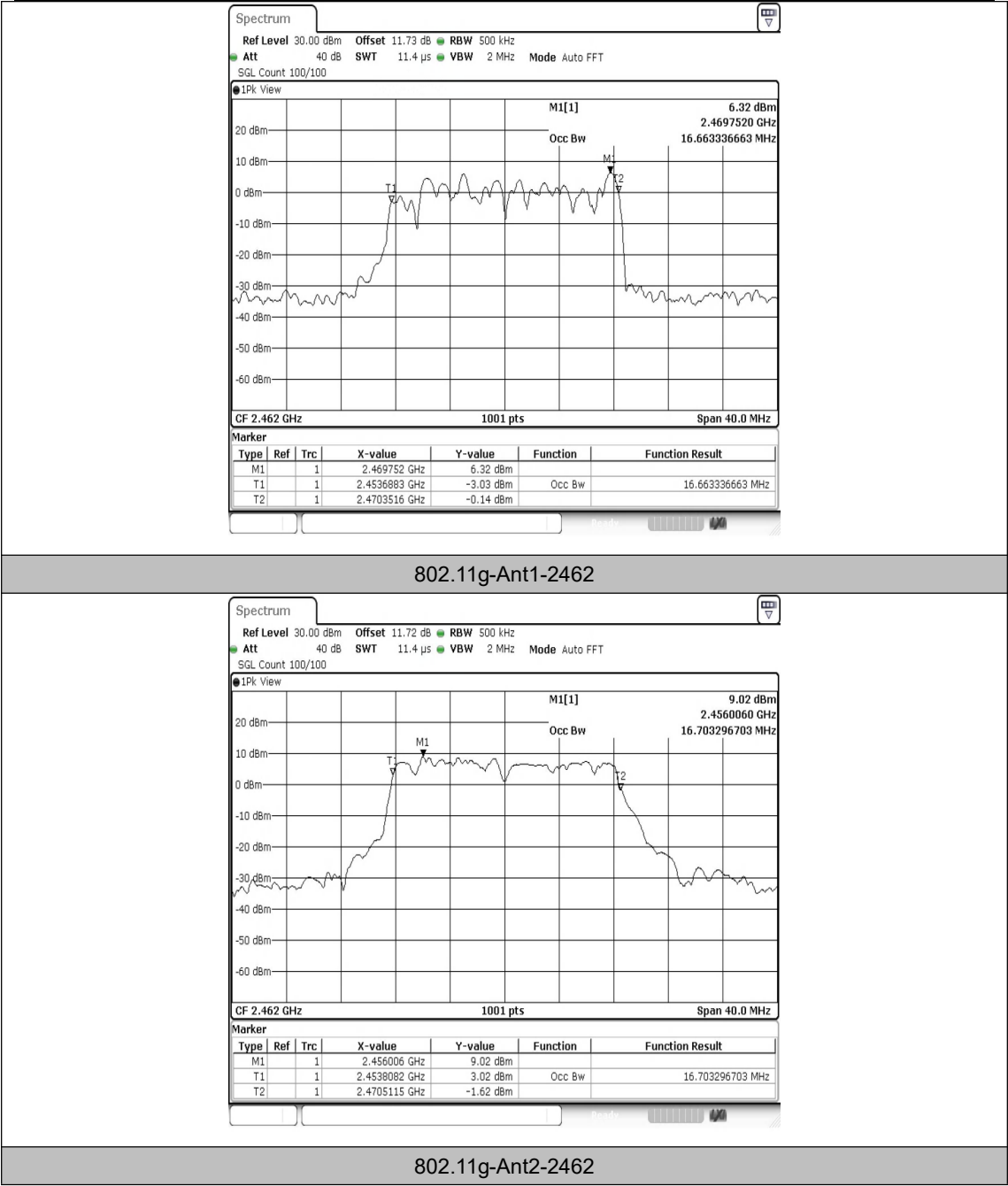


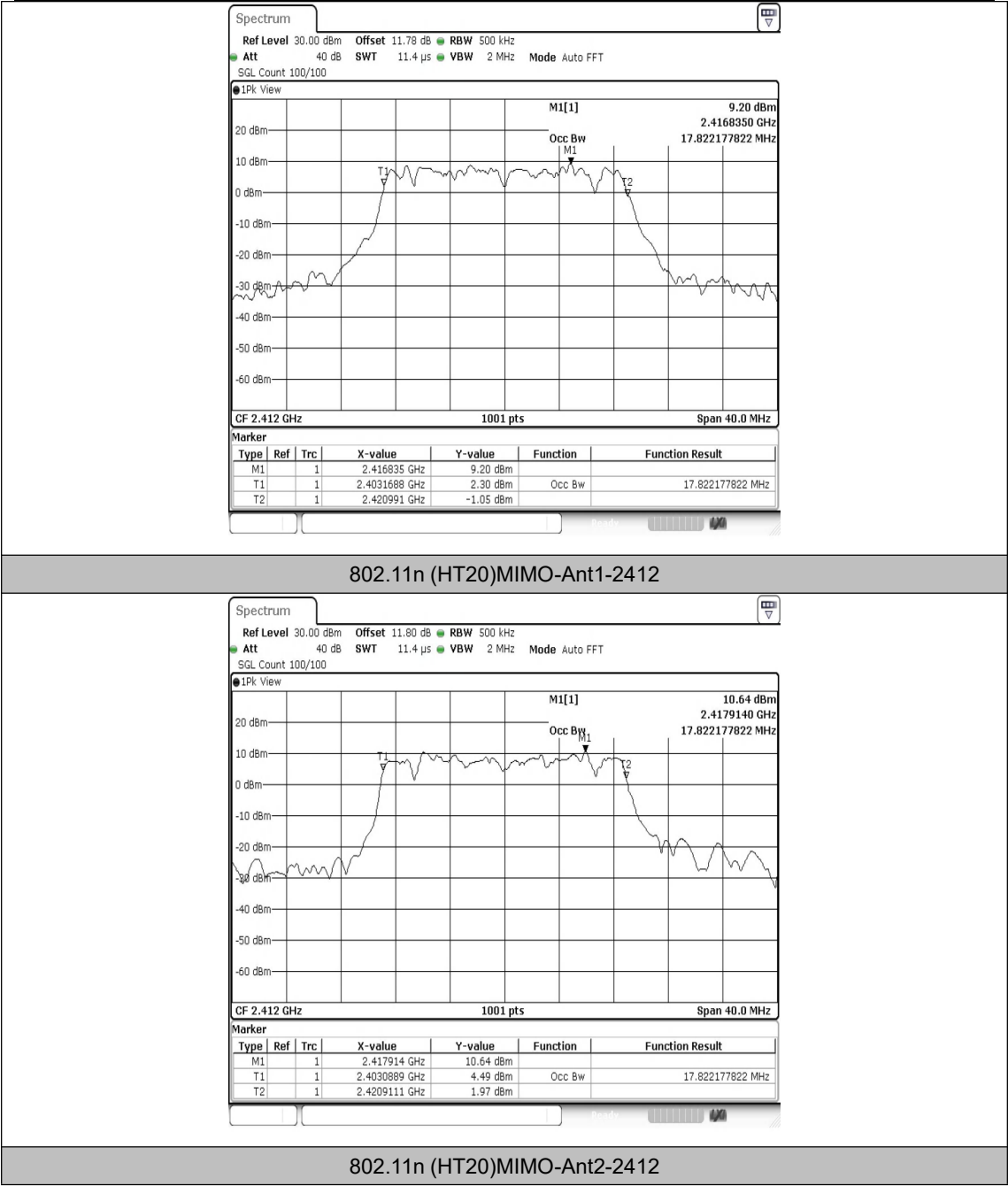


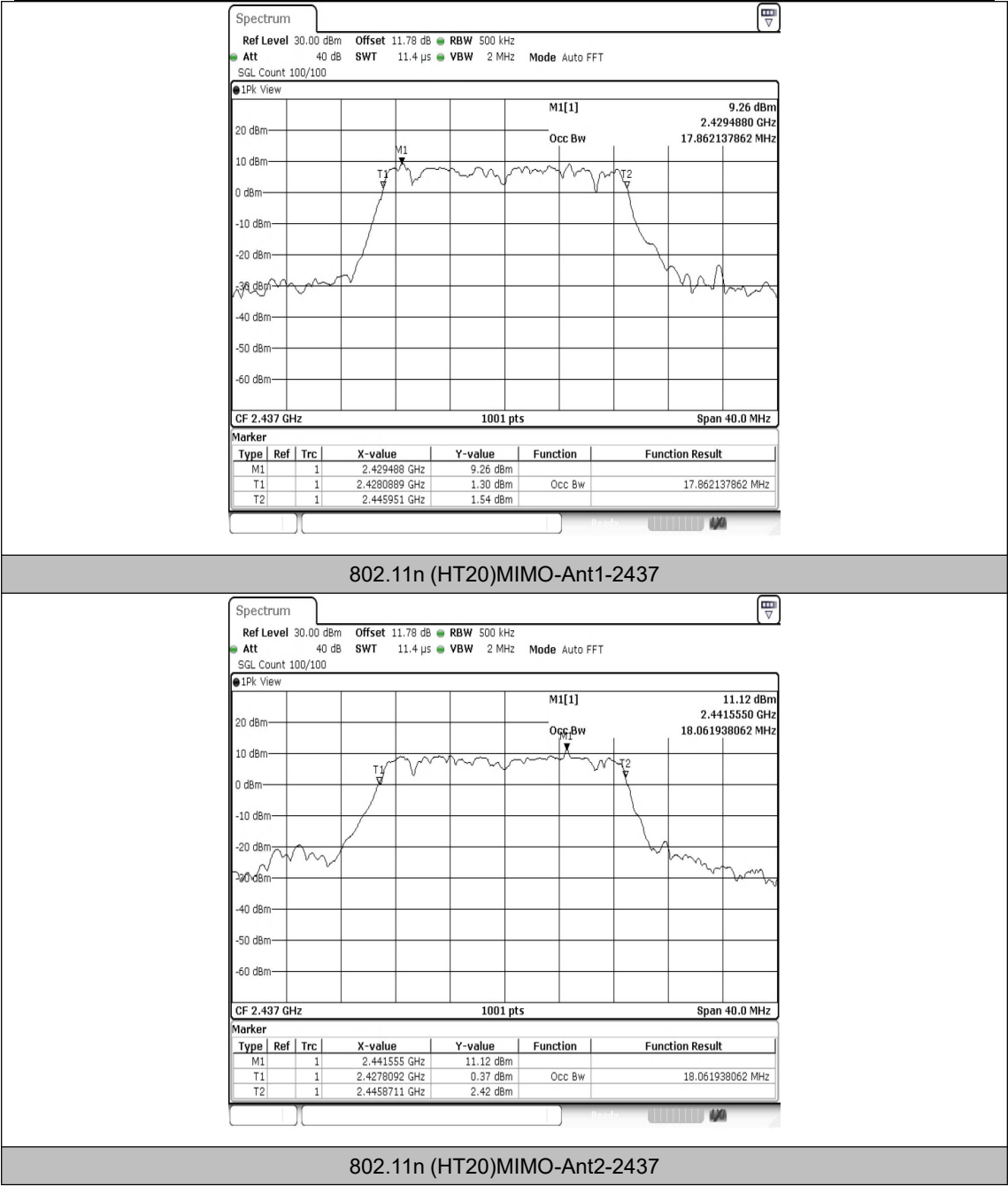


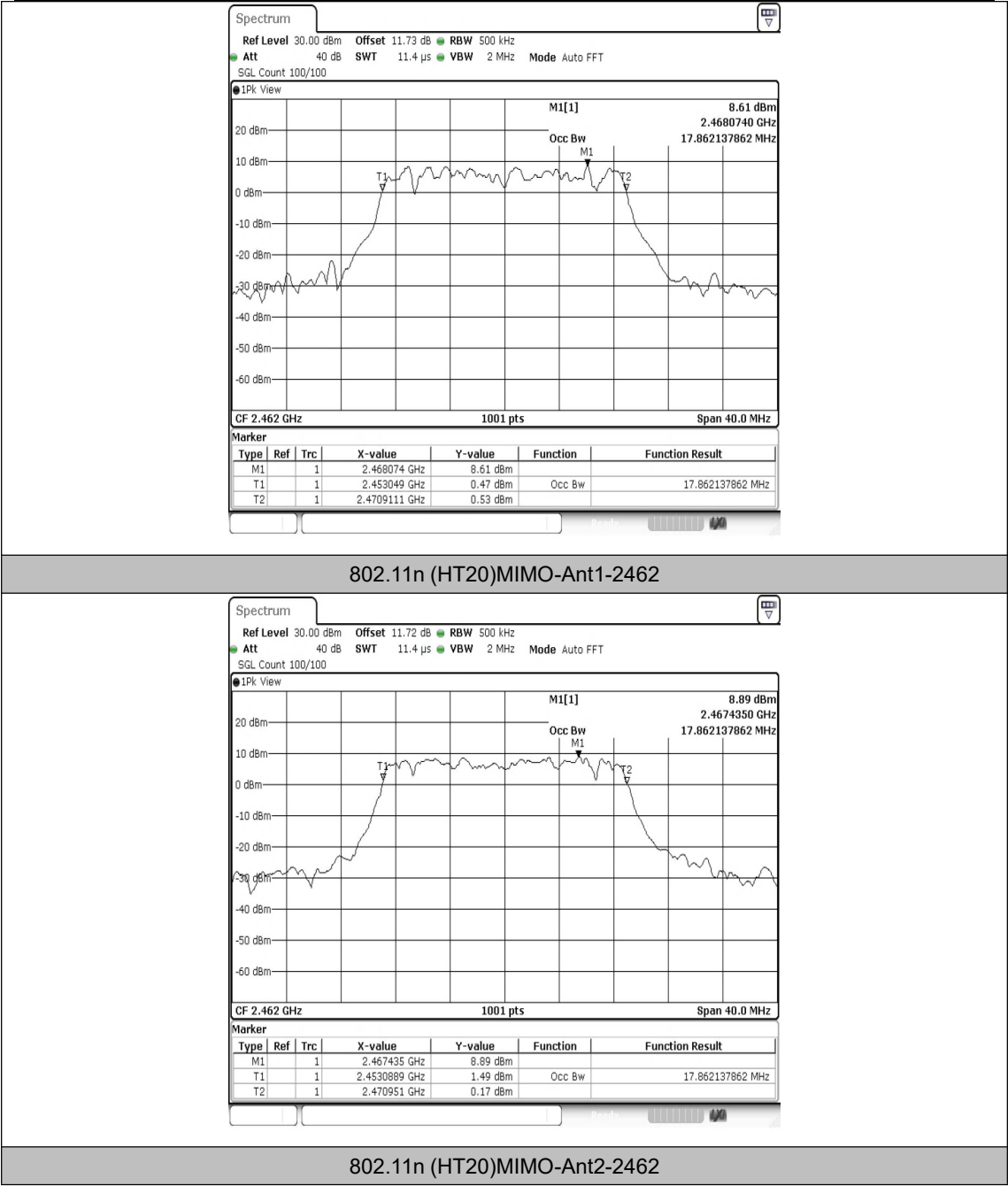


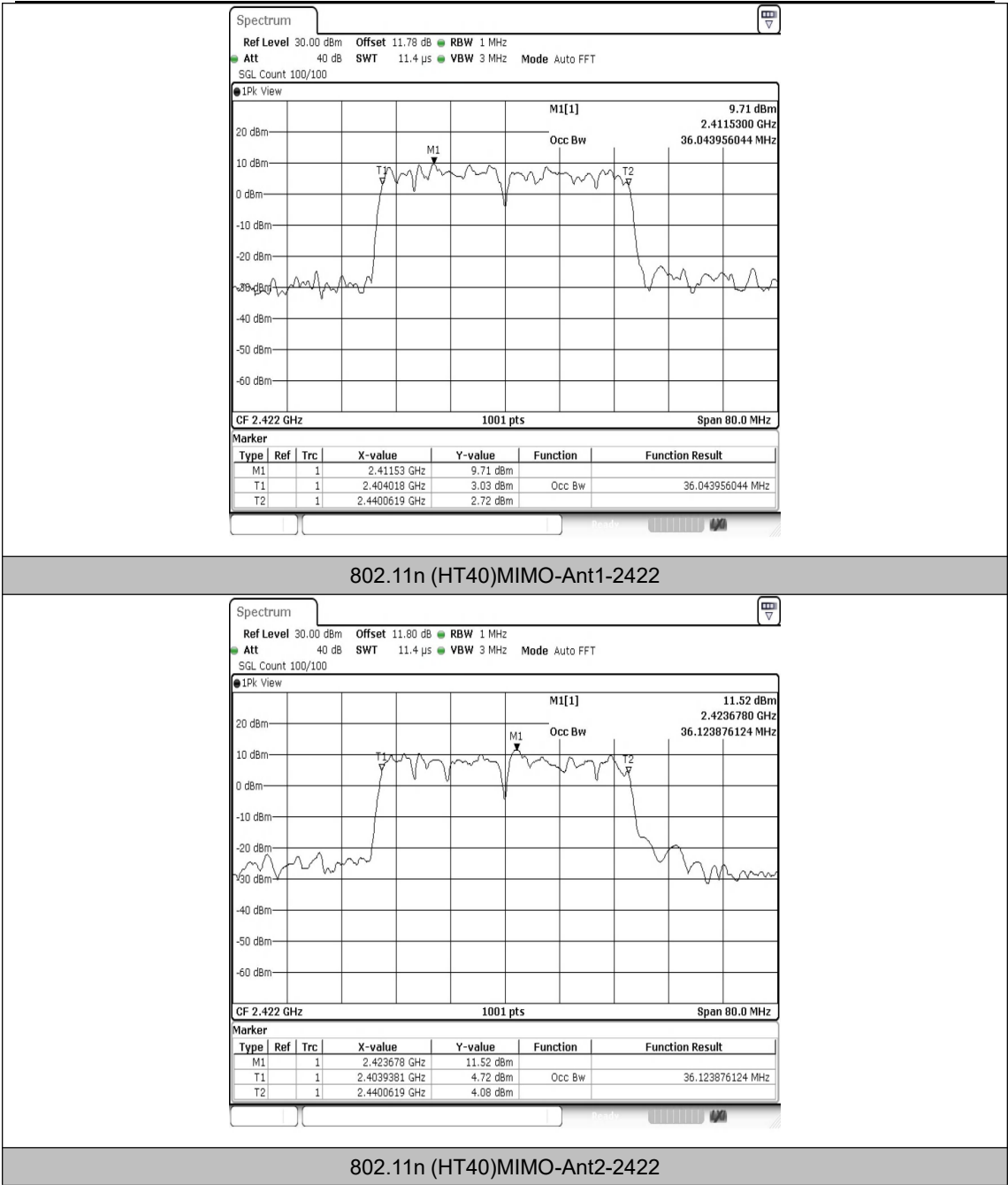


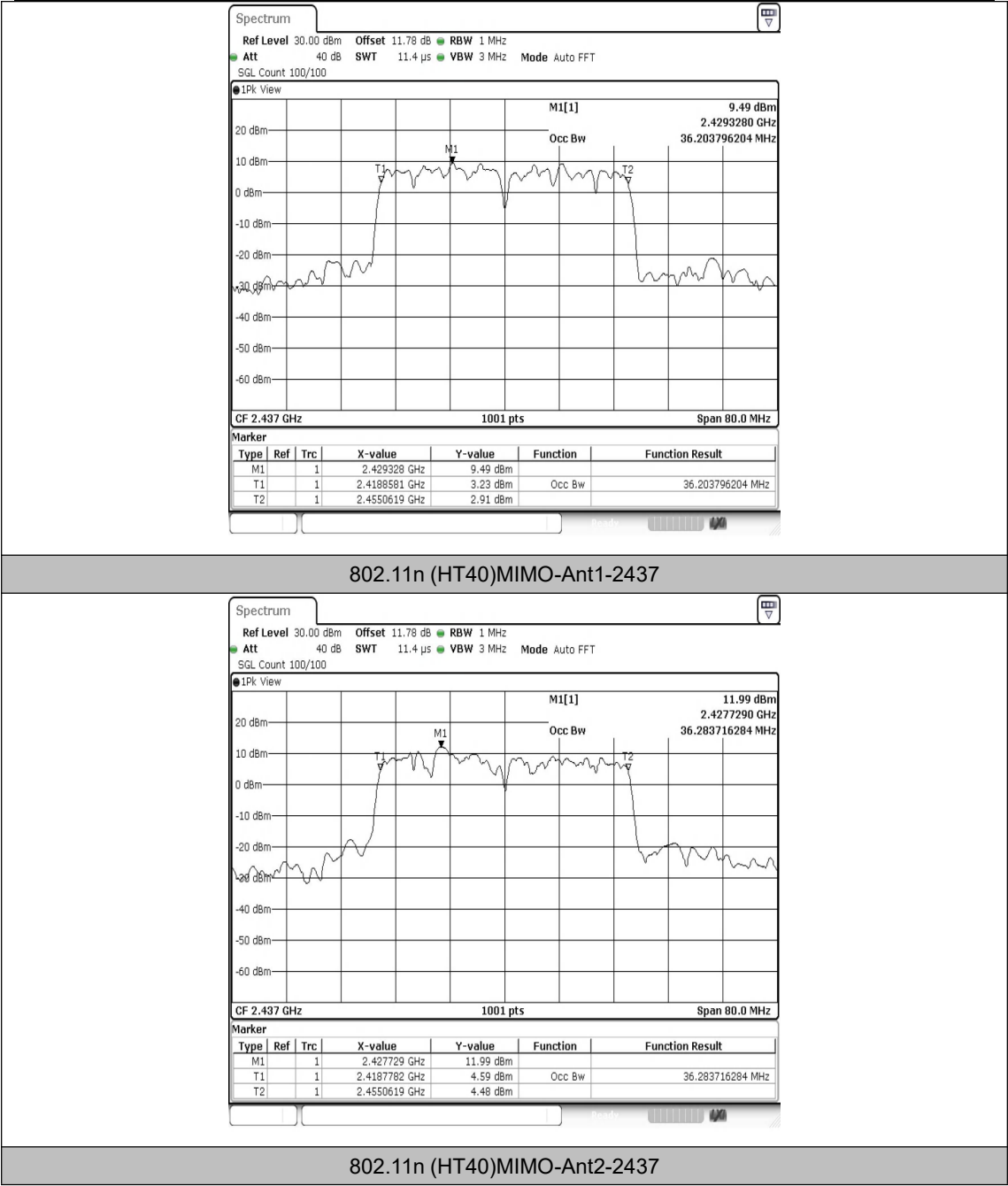


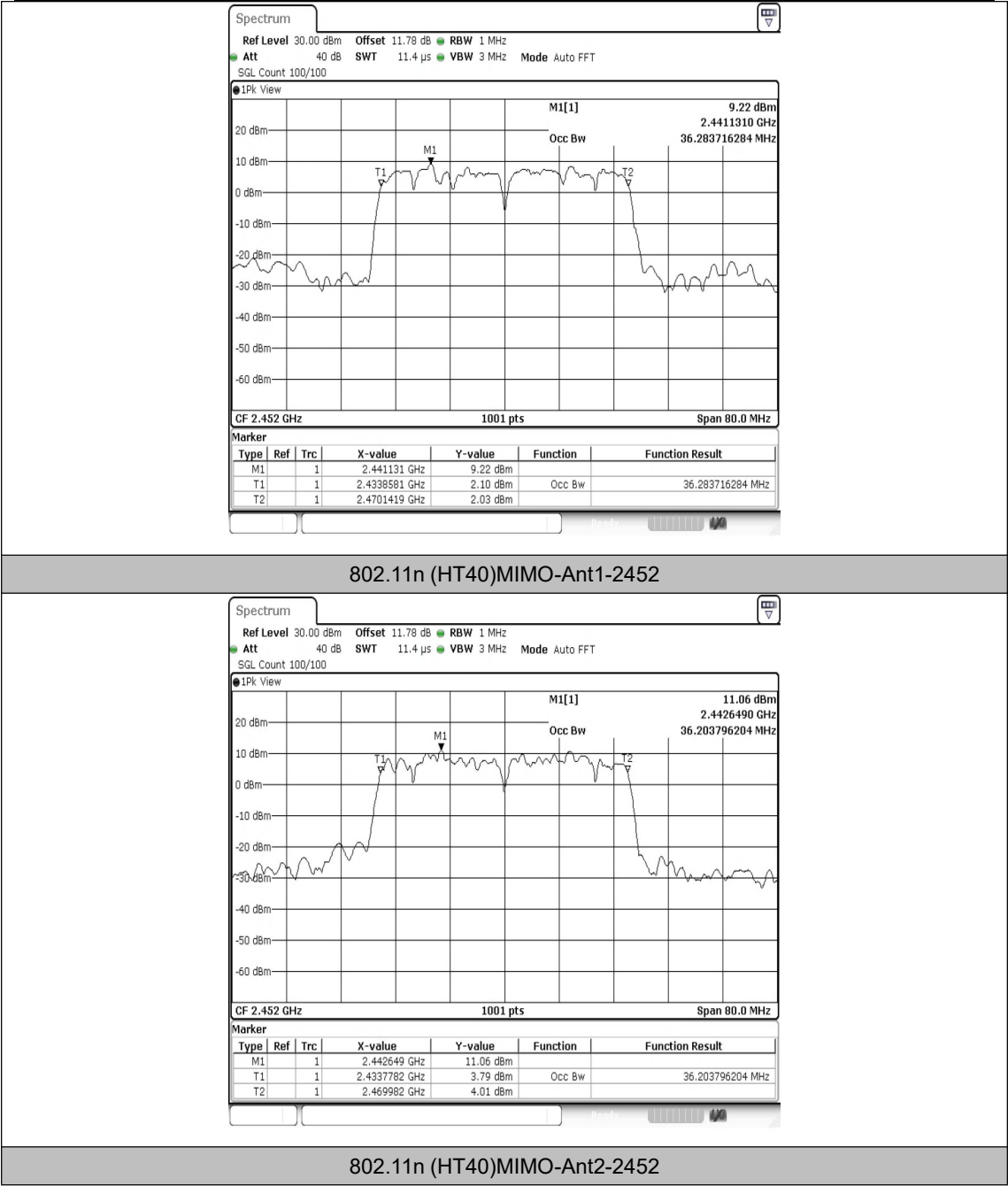












Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
802.11b	Ant1	2412	NA	9.19	13.05	8.84	18.03	≤30.00	PASS
802.11b	Ant2	2412	NA	9.36	12.92	8.89	18.25	≤30.00	PASS
802.11b	Ant1	2437	NA	8.82	13.20	8.79	17.61	≤30.00	PASS
802.11b	Ant2	2437	NA	8.16	13.24	8.78	16.94	≤30.00	PASS
802.11b	Ant1	2462	NA	7.98	12.97	8.87	16.85	≤30.00	PASS
802.11b	Ant2	2462	NA	7.37	13.15	8.81	16.18	≤30.00	PASS
802.11g	Ant1	2412	NA	-1.33	2.60	15.85	14.52	≤30.00	PASS
802.11g	Ant2	2412	NA	11.13	20.78	6.82	17.95	≤30.00	PASS
802.11g	Ant1	2437	NA	-0.28	2.48	16.06	15.78	≤30.00	PASS
802.11g	Ant2	2437	NA	11.26	20.62	6.86	18.12	≤30.00	PASS
802.11g	Ant1	2462	NA	-0.88	2.37	16.25	15.37	≤30.00	PASS
802.11g	Ant2	2462	NA	9.79	20.62	6.86	16.65	≤30.00	PASS
802.11n (HT20)MIMO	Ant1	2412	NA	10.67	32.93	4.82	15.49	≤30.00	PASS
802.11n (HT20)MIMO	Ant2	2412	NA	11.36	27.07	5.68	17.04	≤30.00	PASS
802.11n (HT20)MIMO	total	2412	---	---	---	---	19.34	≤30.00	PASS
802.11n (HT20)MIMO	Ant1	2437	NA	10.33	19.16	7.18	17.51	≤30.00	PASS
802.11n (HT20)MIMO	Ant2	2437	NA	11.72	19.26	7.15	18.87	≤30.00	PASS
802.11n (HT20)MIMO	total	2437	---	---	---	---	21.25	≤30.00	PASS
802.11n (HT20)MIMO	Ant1	2462	NA	10.08	19.13	7.18	17.26	≤30.00	PASS
802.11n (HT20)MIMO	Ant2	2462	NA	10.58	19.39	7.12	17.70	≤30.00	PASS
802.11n (HT20)MIMO	total	2462	---	---	---	---	20.50	≤30.00	PASS
802.11n (HT40)MIMO	Ant1	2422	NA	7.77	9.48	10.23	18.00	≤30.00	PASS
802.11n (HT40)MIMO	Ant2	2422	NA	8.36	9.44	10.25	18.61	≤30.00	PASS
802.11n (HT40)MIMO	total	2422	---	---	---	---	21.33	≤30.00	PASS



802.11n (HT40)MIMO	Ant1	2437	NA	7.99	9.51	10.22	18.21	≤30.00	PASS
802.11n (HT40)MIMO	Ant2	2437	NA	9.24	9.42	10.26	19.50	≤30.00	PASS
802.11n (HT40)MIMO	total	2437	---	---	---	---	21.91	≤30.00	PASS
802.11n (HT40)MIMO	Ant1	2452	NA	7.47	9.51	10.22	17.69	≤30.00	PASS
802.11n (HT40)MIMO	Ant2	2452	NA	8.01	9.51	10.22	18.23	≤30.00	PASS
802.11n (HT40)MIMO	total	2452	---	---	---	---	20.98	≤30.00	PASS

Note:

1. The cable loss are compensated in the graph.
2. $MIMO = 10 \cdot \log((10^{\text{ANT1}/10}) + 10^{\text{ANT2}/10})$

