

Appendix: 2.4G Wi-Fi

Contents

Appendix A: DTS Bandwidth 3

 Test Result 3

 Test Graphs 4

Appendix B: Occupied Channel Bandwidth 7

 Test Result 7

 Test Graphs 8

Appendix C: Maximum conducted output power 11

 Test Result 11

Appendix D: Maximum power spectral density 12

 Test Result 12

 Test Graphs 13

Appendix E: Band edge measurements 16

 Test Result 16

 Test Graphs 17

Appendix F: Conducted Spurious Emission 19

 Test Result 19

 Test Graphs 21

Appendix G: Duty Cycle 29

 Test Result 29

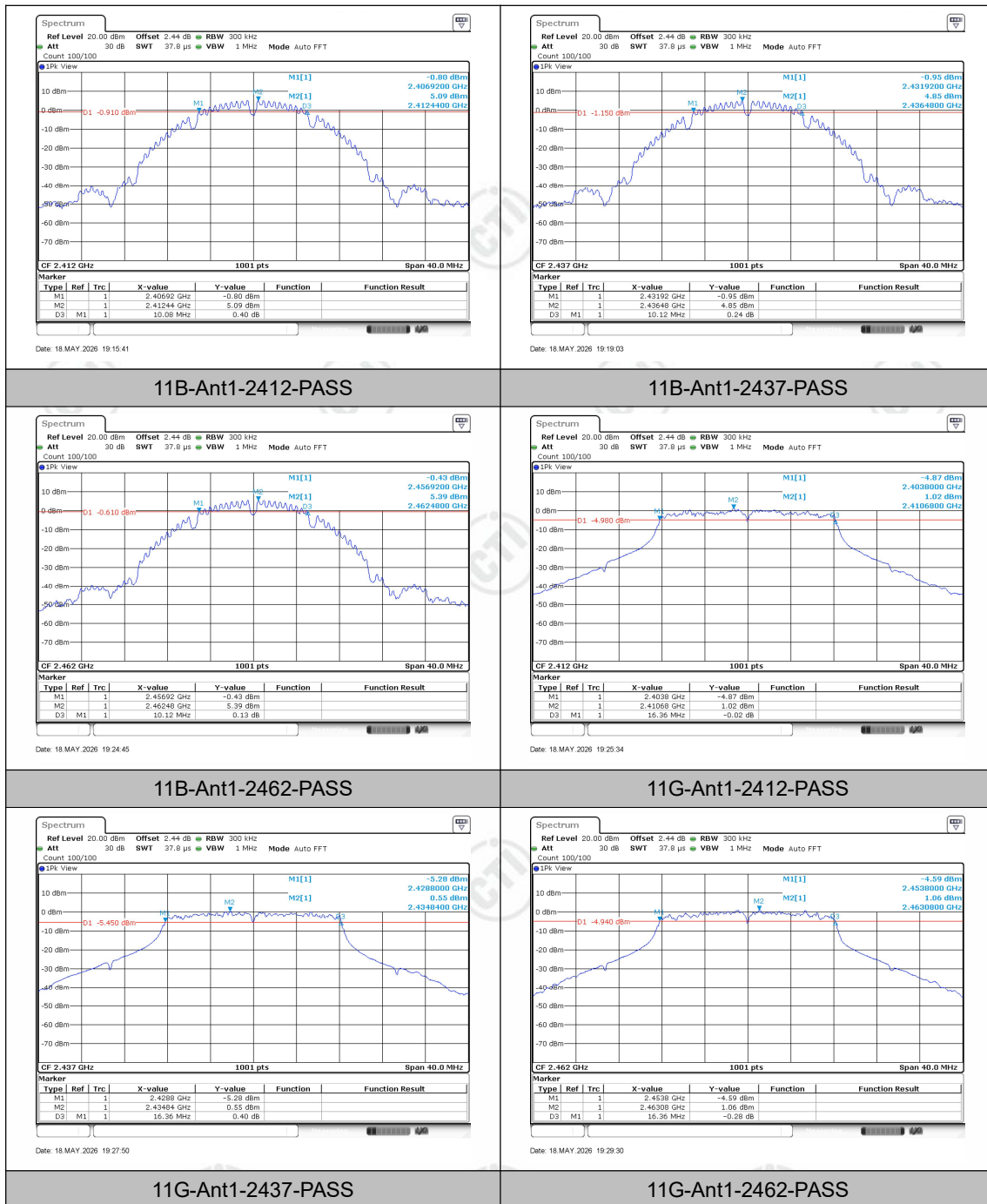
 Test Graphs 30

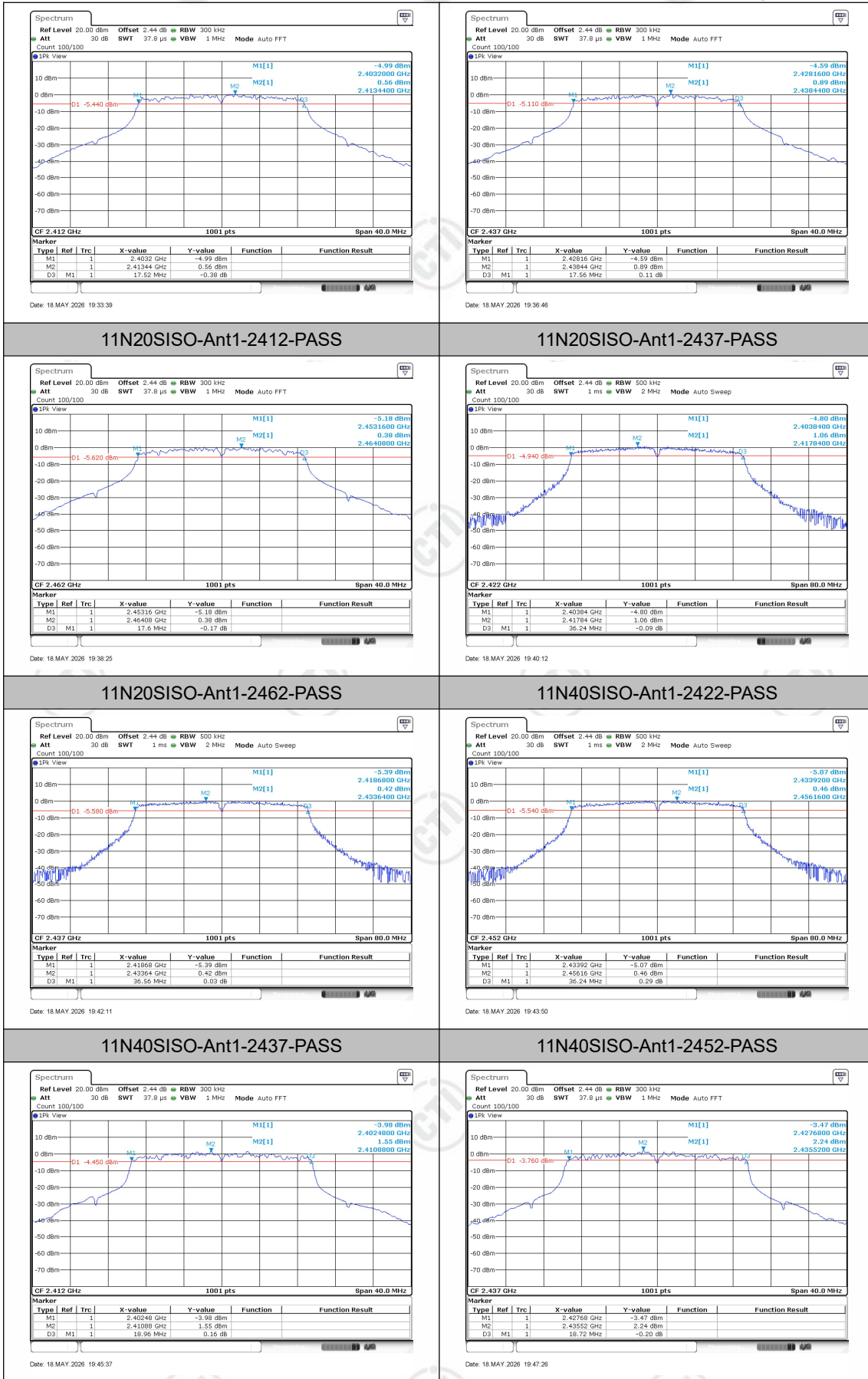
Appendix A: DTS Bandwidth

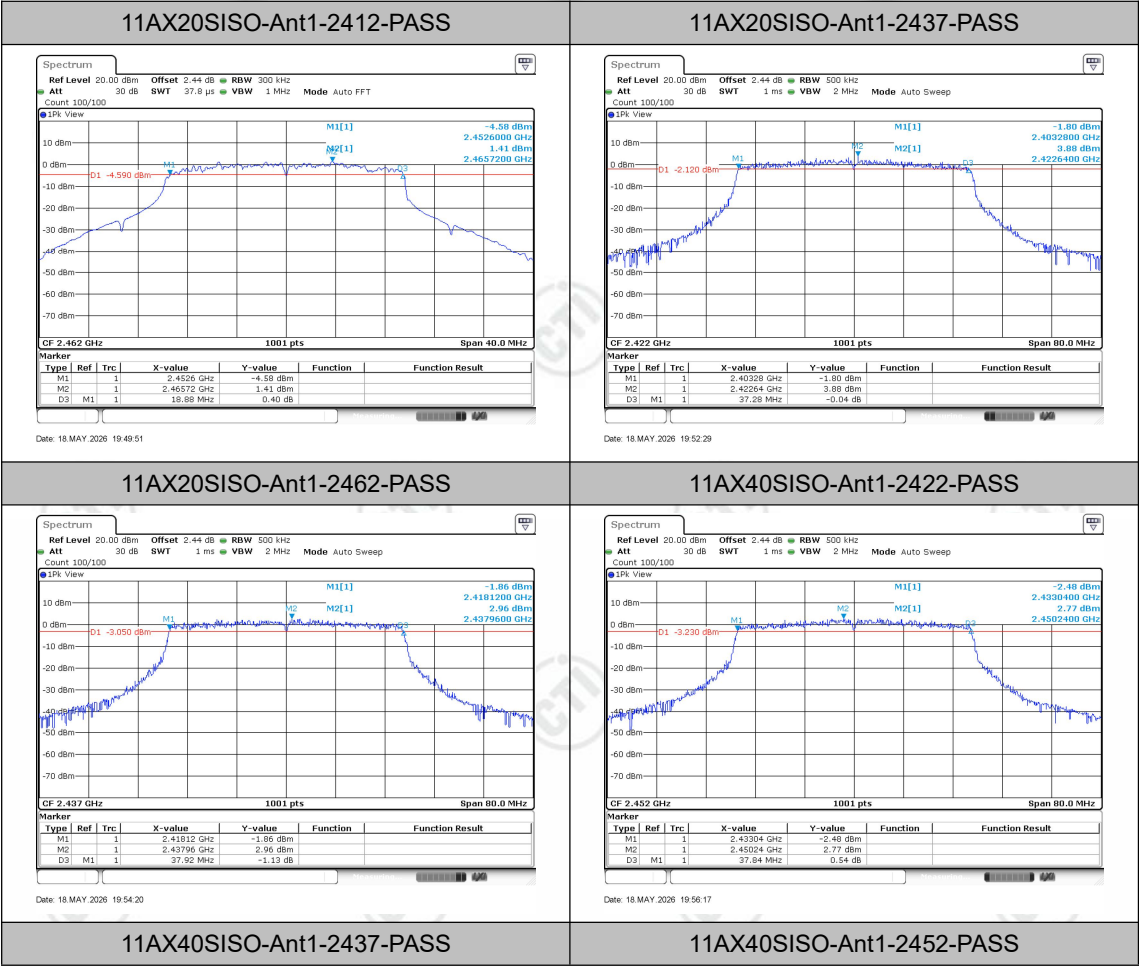
Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.08	2406.92	2417.00	0.5	PASS
11B	Ant1	2437	10.12	2431.92	2442.04	0.5	PASS
11B	Ant1	2462	10.12	2456.92	2467.04	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
11G	Ant1	2437	16.36	2428.80	2445.16	0.5	PASS
11G	Ant1	2462	16.36	2453.80	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.52	2403.20	2420.72	0.5	PASS
11N20SISO	Ant1	2437	17.56	2428.16	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.16	2470.76	0.5	PASS
11N40SISO	Ant1	2422	36.24	2403.84	2440.08	0.5	PASS
11N40SISO	Ant1	2437	36.56	2418.68	2455.24	0.5	PASS
11N40SISO	Ant1	2452	36.24	2433.92	2470.16	0.5	PASS
11AX20SISO	Ant1	2412	18.96	2402.48	2421.44	0.5	PASS
11AX20SISO	Ant1	2437	18.72	2427.68	2446.40	0.5	PASS
11AX20SISO	Ant1	2462	18.88	2452.60	2471.48	0.5	PASS
11AX40SISO	Ant1	2422	37.28	2403.28	2440.56	0.5	PASS
11AX40SISO	Ant1	2437	37.92	2418.12	2456.04	0.5	PASS
11AX40SISO	Ant1	2452	37.84	2433.04	2470.88	0.5	PASS

Test Graphs







Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.825	2404.6873	2419.5125
11B	Ant1	2437	14.905	2429.6074	2444.5125
11B	Ant1	2462	14.865	2454.6074	2469.4725
11G	Ant1	2412	18.102	2402.8492	2420.9510
11G	Ant1	2437	18.182	2427.8092	2445.9910
11G	Ant1	2462	18.102	2452.8492	2470.9510
11N20SISO	Ant1	2412	19.221	2402.3696	2421.5904
11N20SISO	Ant1	2437	19.341	2427.2897	2446.6304
11N20SISO	Ant1	2462	19.181	2452.4096	2471.5904
11N40SISO	Ant1	2422	37.403	2403.2987	2440.7013
11N40SISO	Ant1	2437	37.642	2418.1389	2455.7812
11N40SISO	Ant1	2452	37.323	2433.3786	2470.7013
11AX20SISO	Ant1	2412	19.540	2402.2098	2421.7502
11AX20SISO	Ant1	2437	19.580	2427.1698	2446.7502
11AX20SISO	Ant1	2462	19.500	2452.2498	2471.7502
11AX40SISO	Ant1	2422	38.362	2402.8192	2441.1808
11AX40SISO	Ant1	2437	38.442	2417.8192	2456.2607
11AX40SISO	Ant1	2452	38.362	2432.8192	2471.1808

Test Graphs

