

Appendix: 2.4G Wi-Fi

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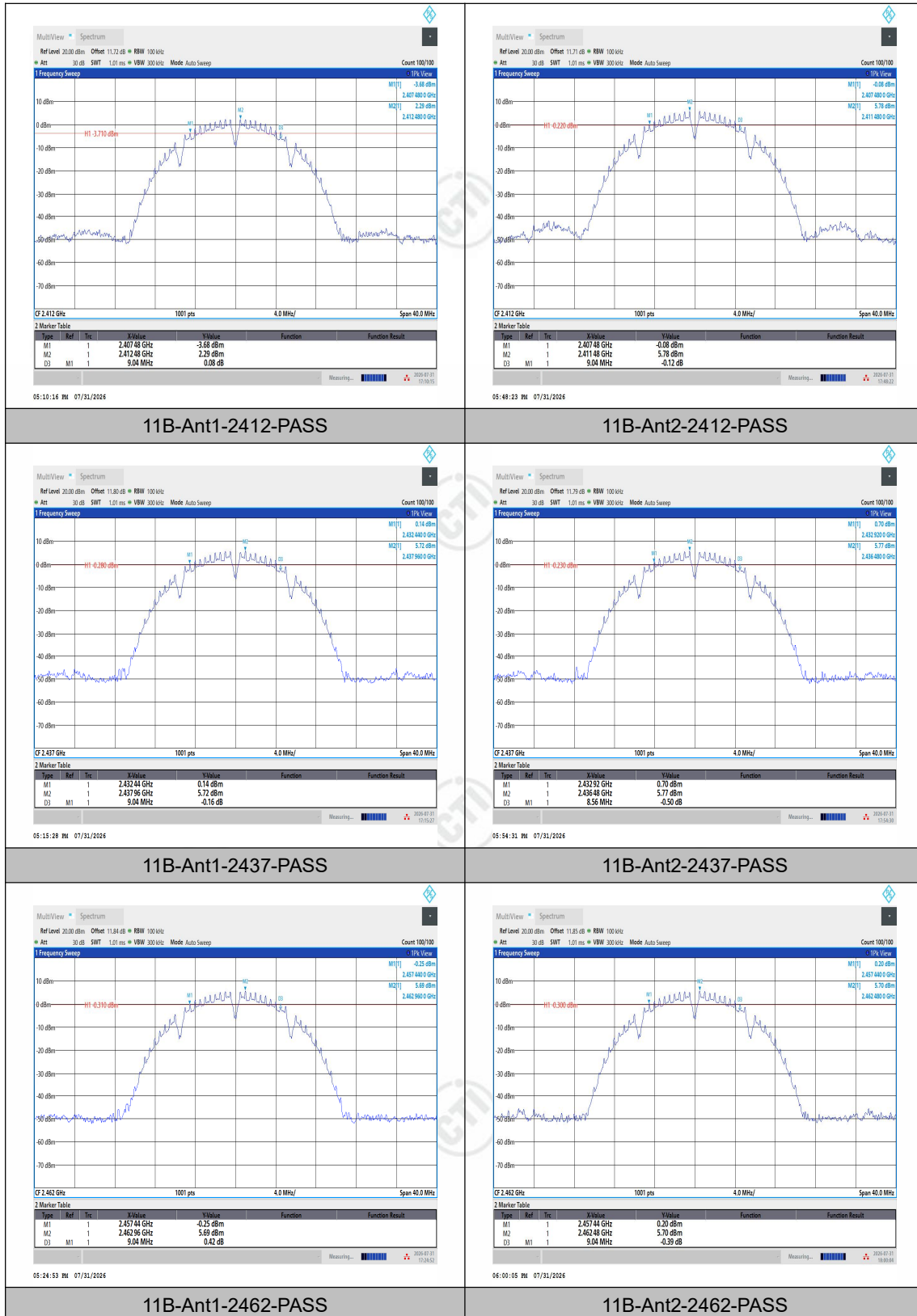
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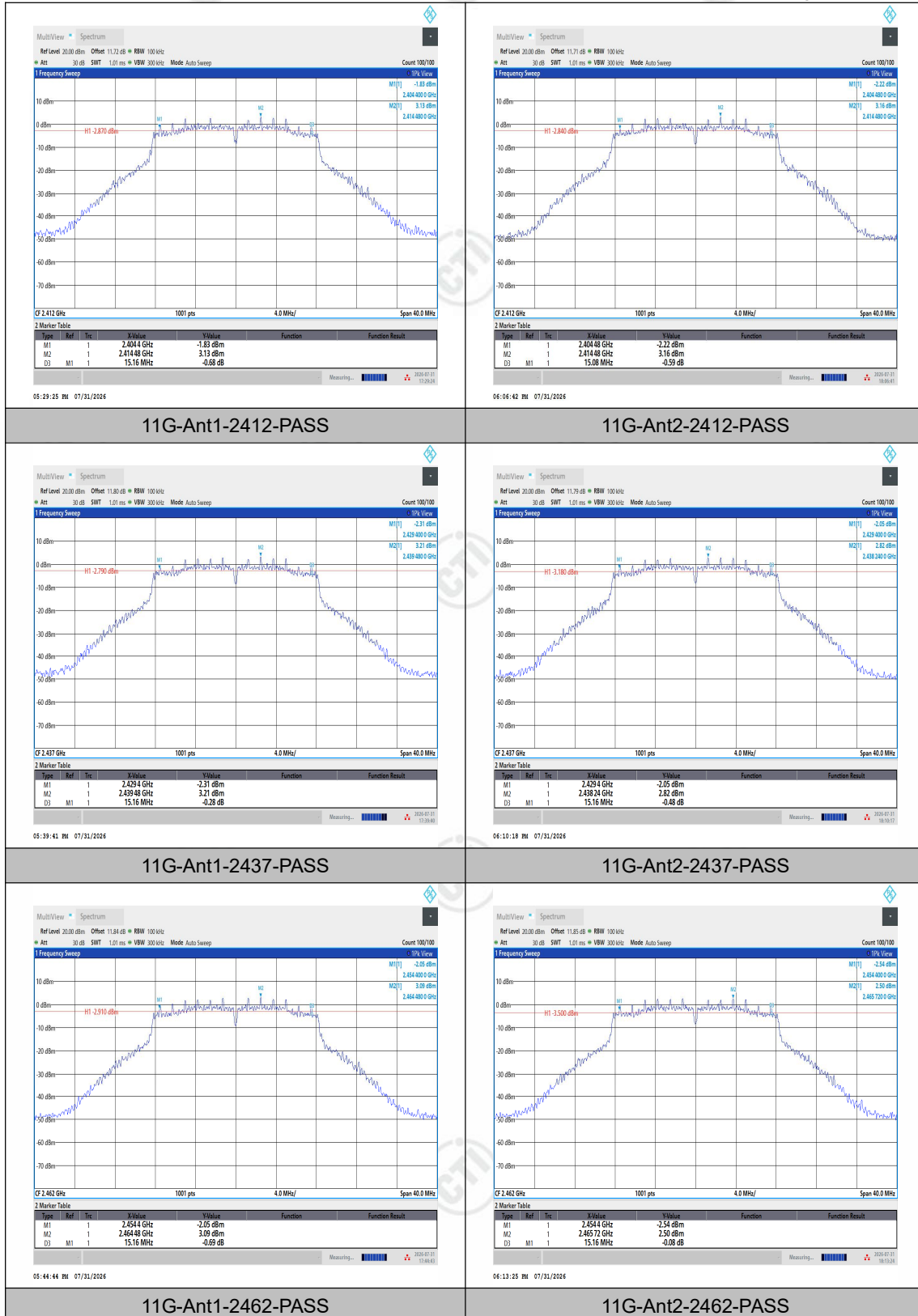
Appendix A: DTS Bandwidth

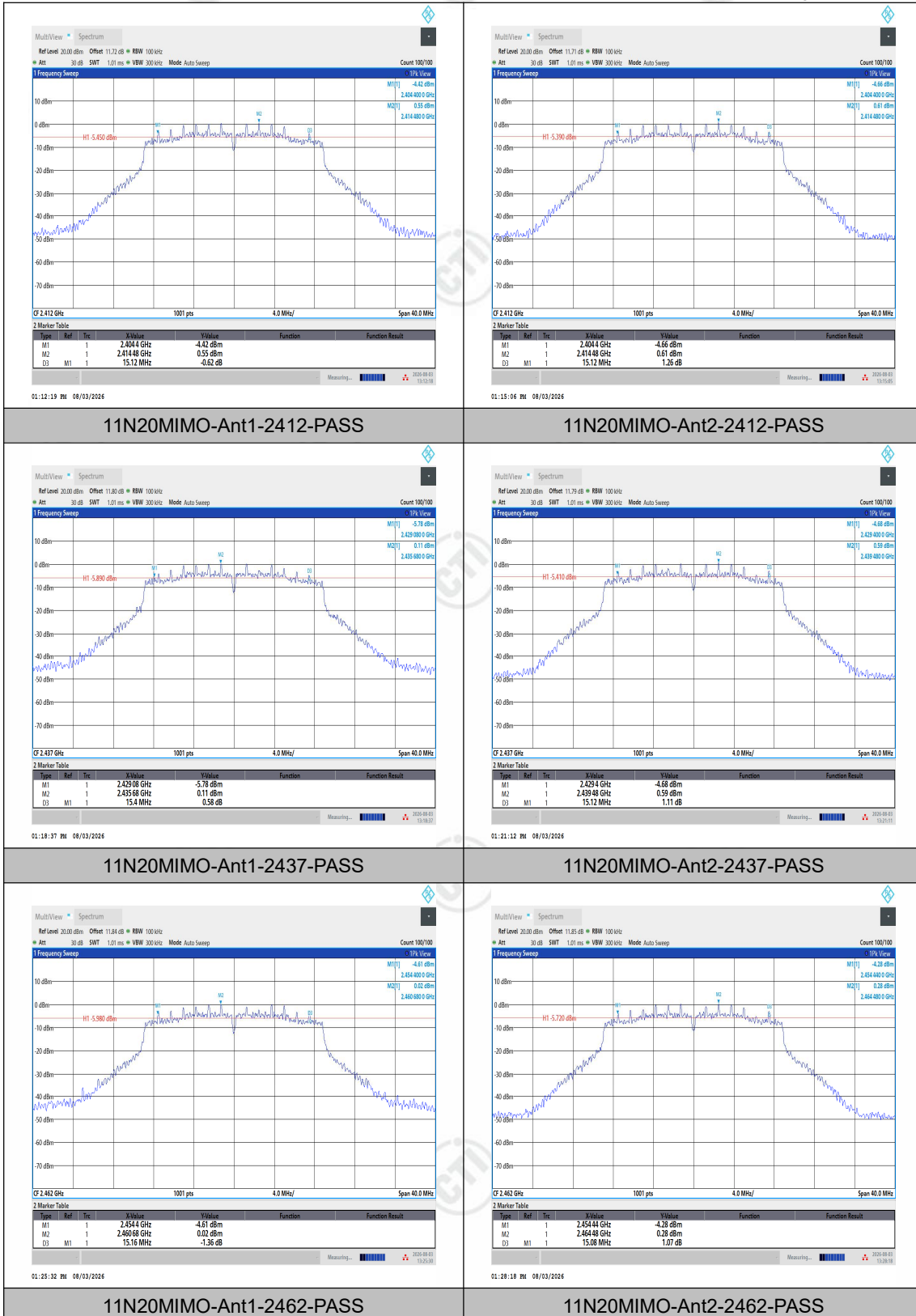
Test Result

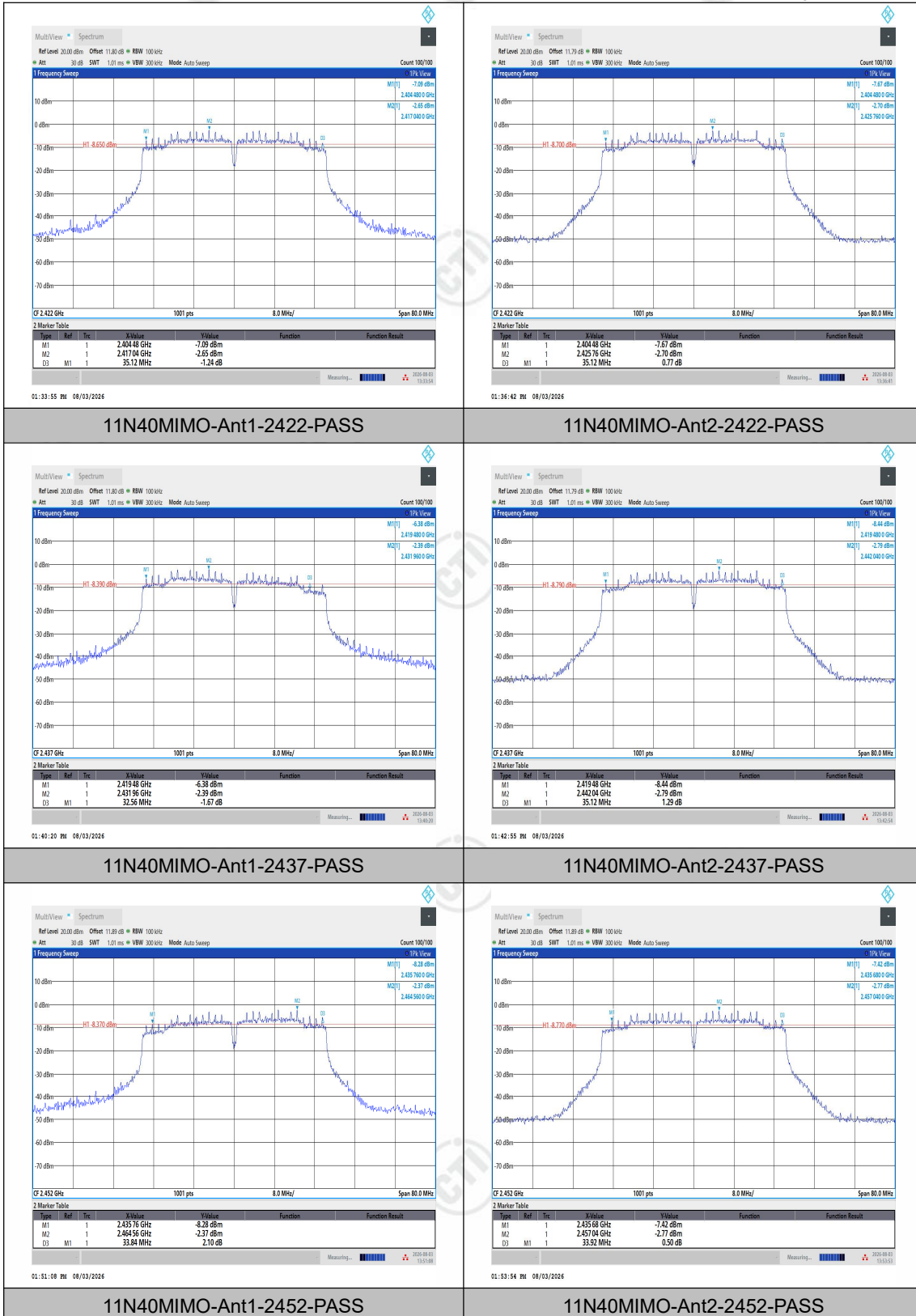
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.04	2407.48	2416.52	0.5	PASS
11B	Ant2	2412	9.04	2407.48	2416.52	0.5	PASS
11B	Ant1	2437	9.04	2432.44	2441.48	0.5	PASS
11B	Ant2	2437	8.56	2432.92	2441.48	0.5	PASS
11B	Ant1	2462	9.04	2457.44	2466.48	0.5	PASS
11B	Ant2	2462	9.04	2457.44	2466.48	0.5	PASS
11G	Ant1	2412	15.16	2404.40	2419.56	0.5	PASS
11G	Ant2	2412	15.08	2404.48	2419.56	0.5	PASS
11G	Ant1	2437	15.16	2429.40	2444.56	0.5	PASS
11G	Ant2	2437	15.16	2429.40	2444.56	0.5	PASS
11G	Ant1	2462	15.16	2454.40	2469.56	0.5	PASS
11G	Ant2	2462	15.16	2454.40	2469.56	0.5	PASS
11N20MIMO	Ant1	2412	15.12	2404.40	2419.52	0.5	PASS
11N20MIMO	Ant2	2412	15.12	2404.40	2419.52	0.5	PASS
11N20MIMO	Ant1	2437	15.40	2429.08	2444.48	0.5	PASS
11N20MIMO	Ant2	2437	15.12	2429.40	2444.52	0.5	PASS
11N20MIMO	Ant1	2462	15.16	2454.40	2469.56	0.5	PASS
11N20MIMO	Ant2	2462	15.08	2454.44	2469.52	0.5	PASS
11N40MIMO	Ant1	2422	35.12	2404.48	2439.60	0.5	PASS
11N40MIMO	Ant2	2422	35.12	2404.48	2439.60	0.5	PASS
11N40MIMO	Ant1	2437	32.56	2419.48	2452.04	0.5	PASS
11N40MIMO	Ant2	2437	35.12	2419.48	2454.60	0.5	PASS
11N40MIMO	Ant1	2452	33.84	2435.76	2469.60	0.5	PASS
11N40MIMO	Ant2	2452	33.92	2435.68	2469.60	0.5	PASS

Test Graphs







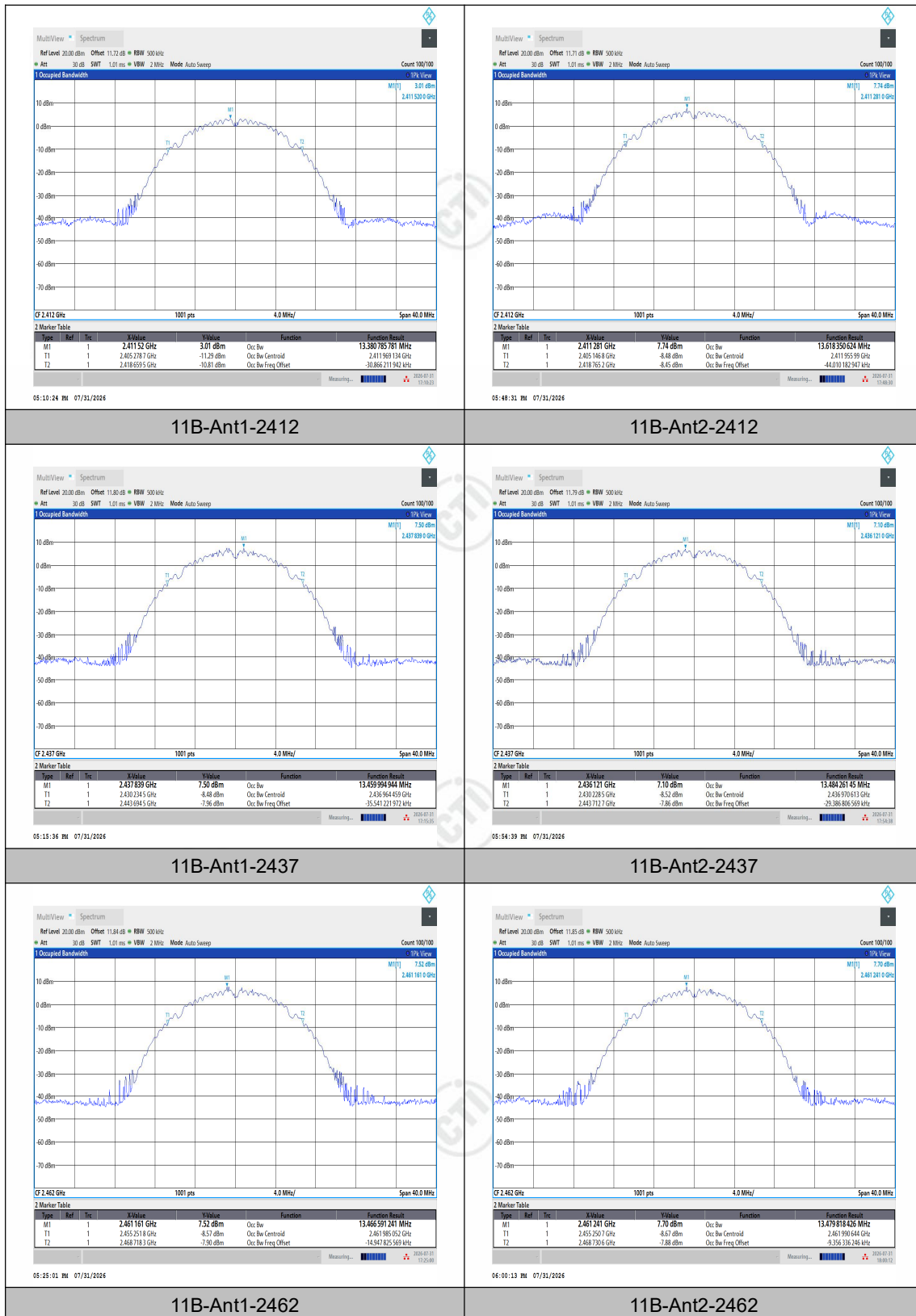


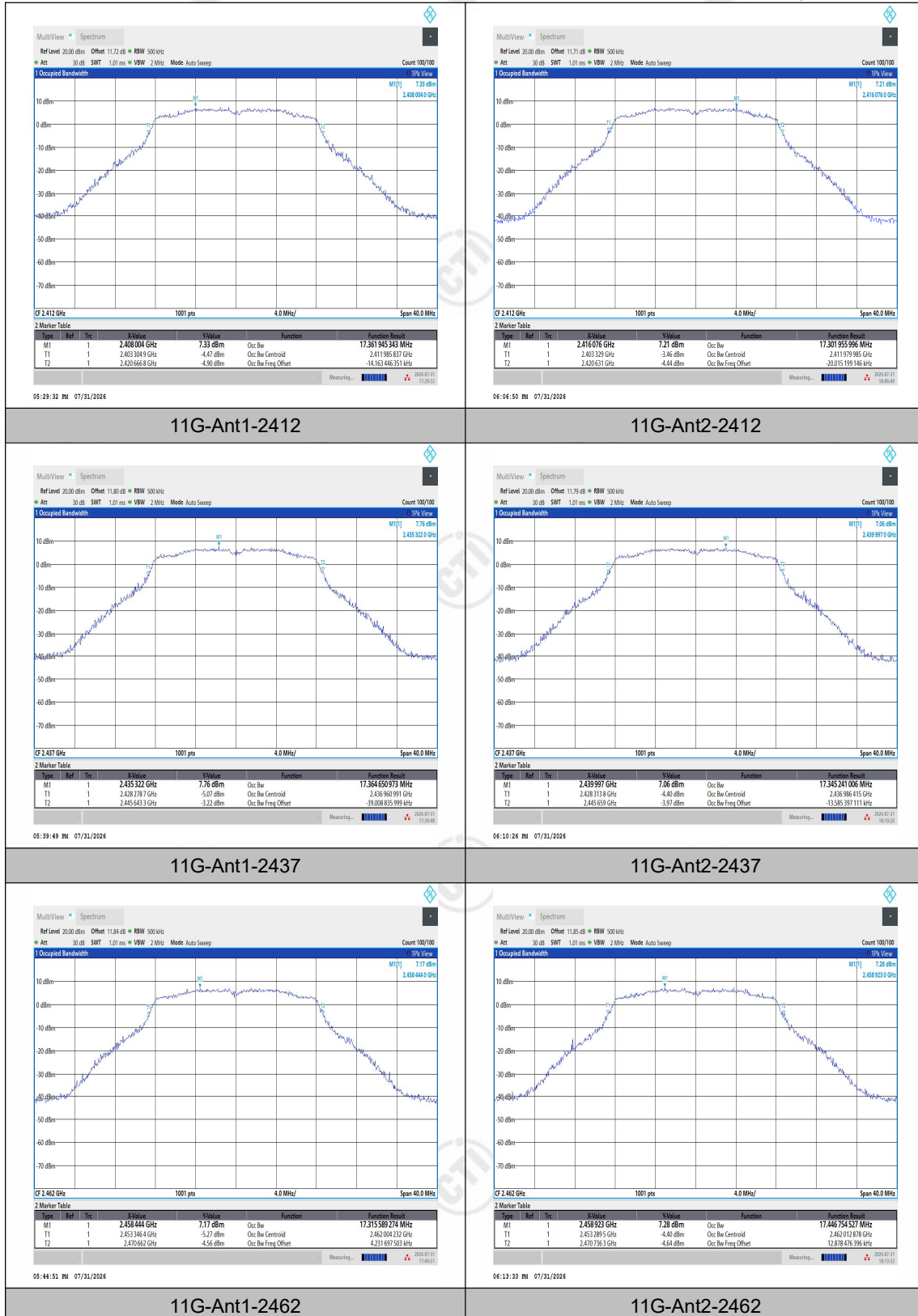
Appendix B: Occupied Channel Bandwidth

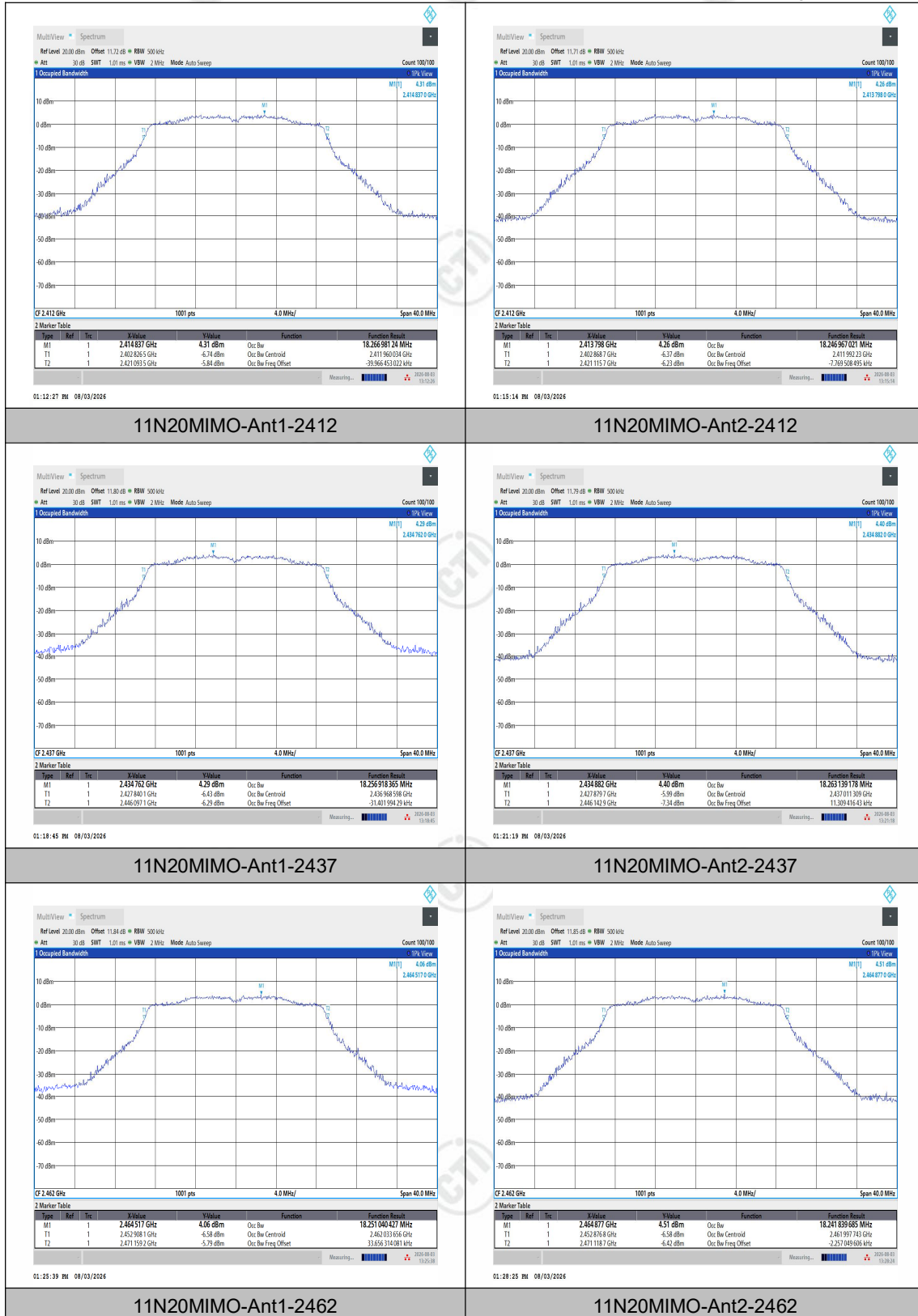
Test Result

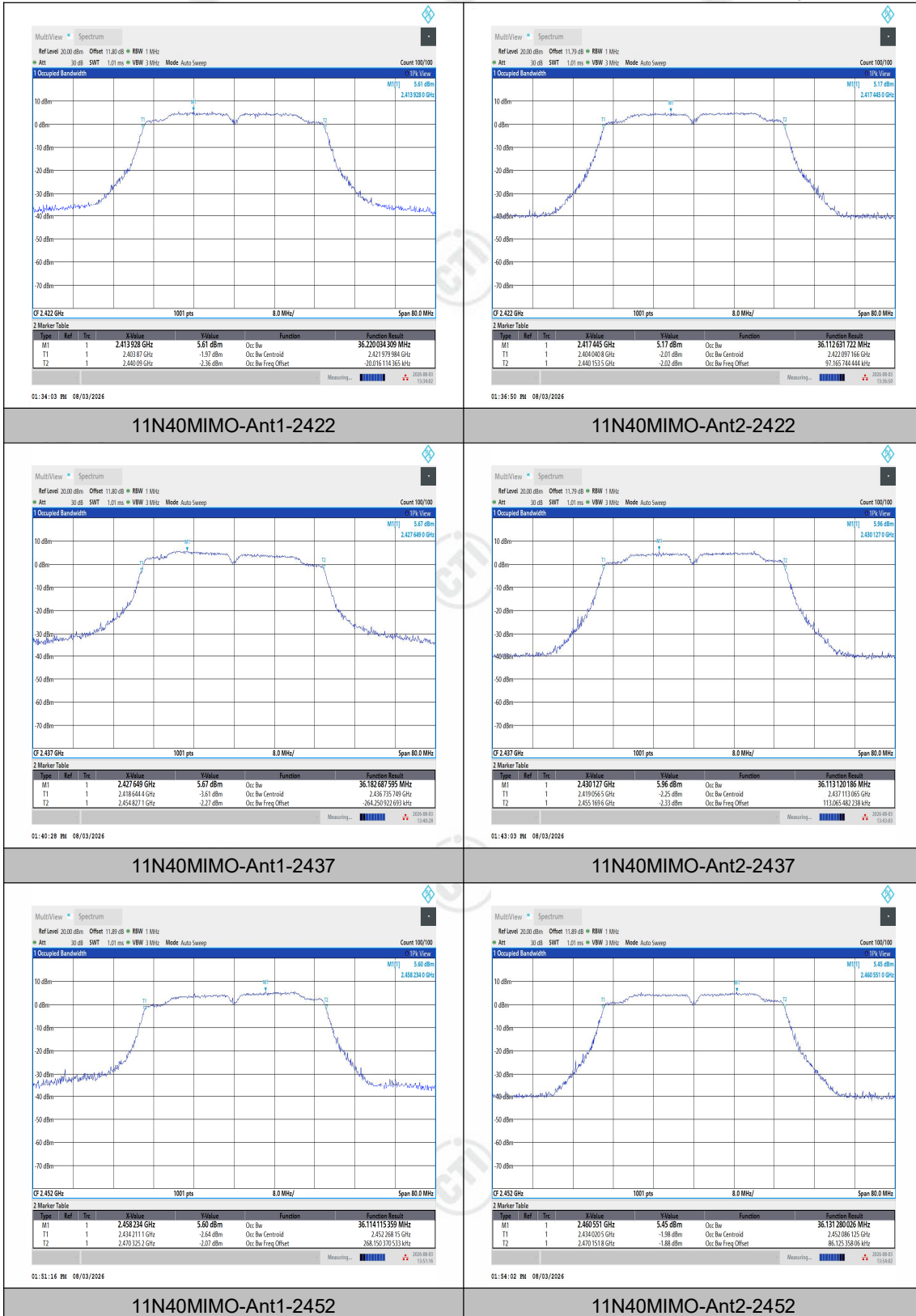
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.381	2405.2787	2418.6595	---	---
11B	Ant2	2412	13.618	2405.1468	2418.7652	---	---
11B	Ant1	2437	13.460	2430.2345	2443.6945	---	---
11B	Ant2	2437	13.484	2430.2285	2443.7127	---	---
11B	Ant1	2462	13.467	2455.2518	2468.7183	---	---
11B	Ant2	2462	13.480	2455.2507	2468.7306	---	---
11G	Ant1	2412	17.362	2403.3049	2420.6668	---	---
11G	Ant2	2412	17.302	2403.3290	2420.6310	---	---
11G	Ant1	2437	17.365	2428.2787	2445.6433	---	---
11G	Ant2	2437	17.345	2428.3138	2445.6590	---	---
11G	Ant1	2462	17.316	2453.3464	2470.6620	---	---
11G	Ant2	2462	17.447	2453.2895	2470.7363	---	---
11N20MIMO	Ant1	2412	18.267	2402.8265	2421.0935	---	---
11N20MIMO	Ant2	2412	18.247	2402.8687	2421.1157	---	---
11N20MIMO	Ant1	2437	18.257	2427.8401	2446.0971	---	---
11N20MIMO	Ant2	2437	18.263	2427.8797	2446.1429	---	---
11N20MIMO	Ant1	2462	18.251	2452.9081	2471.1592	---	---
11N20MIMO	Ant2	2462	18.242	2452.8768	2471.1187	---	---
11N40MIMO	Ant1	2422	36.220	2403.8700	2440.0900	---	---
11N40MIMO	Ant2	2422	36.113	2404.0408	2440.1535	---	---
11N40MIMO	Ant1	2437	36.183	2418.6444	2454.8271	---	---
11N40MIMO	Ant2	2437	36.113	2419.0565	2455.1696	---	---
11N40MIMO	Ant1	2452	36.114	2434.2111	2470.3252	---	---
11N40MIMO	Ant2	2452	36.131	2434.0205	2470.1518	---	---

Test Graphs









Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	14.48	≤30.00	10.26	≤36.00	PASS
11B	Ant2	2412	14.68	≤30.00	15.24	≤36.00	PASS
11B	Ant1	2437	14.35	≤30.00	10.13	≤36.00	PASS
11B	Ant2	2437	15.04	≤30.00	15.60	≤36.00	PASS
11B	Ant1	2462	14.81	≤30.00	10.59	≤36.00	PASS
11B	Ant2	2462	15.09	≤30.00	15.65	≤36.00	PASS
11G	Ant1	2412	13.46	≤30.00	9.24	≤36.00	PASS
11G	Ant2	2412	13.79	≤30.00	14.35	≤36.00	PASS
11G	Ant1	2437	13.47	≤30.00	9.25	≤36.00	PASS
11G	Ant2	2437	13.76	≤30.00	14.32	≤36.00	PASS
11G	Ant1	2462	13.51	≤30.00	9.29	≤36.00	PASS
11G	Ant2	2462	13.81	≤30.00	14.37	≤36.00	PASS
11N20MIMO	Ant1	2412	10.50	≤30.00	6.28	≤36.00	PASS
11N20MIMO	Ant2	2412	10.87	≤30.00	11.43	≤36.00	PASS
11N20MIMO	total	2412	13.70	≤30.00	12.59	≤36.00	PASS
11N20MIMO	Ant1	2437	10.53	≤30.00	6.31	≤36.00	PASS
11N20MIMO	Ant2	2437	10.93	≤30.00	11.49	≤36.00	PASS
11N20MIMO	total	2437	13.74	≤30.00	12.64	≤36.00	PASS
11N20MIMO	Ant1	2462	10.70	≤30.00	6.48	≤36.00	PASS
11N20MIMO	Ant2	2462	10.92	≤30.00	11.48	≤36.00	PASS
11N20MIMO	total	2462	13.82	≤30.00	12.67	≤36.00	PASS
11N40MIMO	Ant1	2422	10.21	≤30.00	5.99	≤36.00	PASS
11N40MIMO	Ant2	2422	10.47	≤30.00	11.03	≤36.00	PASS
11N40MIMO	total	2422	13.35	≤30.00	12.21	≤36.00	PASS
11N40MIMO	Ant1	2437	10.27	≤30.00	6.05	≤36.00	PASS
11N40MIMO	Ant2	2437	10.35	≤30.00	10.91	≤36.00	PASS
11N40MIMO	total	2437	13.32	≤30.00	12.14	≤36.00	PASS
11N40MIMO	Ant1	2452	10.15	≤30.00	5.93	≤36.00	PASS
11N40MIMO	Ant2	2452	10.47	≤30.00	11.03	≤36.00	PASS
11N40MIMO	total	2452	13.32	≤30.00	12.20	≤36.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-14.10	≤8.00	PASS
11B	Ant2	2412	-15.28	≤8.00	PASS
11B	Ant1	2437	-14.40	≤8.00	PASS
11B	Ant2	2437	-15.47	≤8.00	PASS
11B	Ant1	2462	-15.57	≤8.00	PASS
11B	Ant2	2462	-15.75	≤8.00	PASS
11G	Ant1	2412	-19.30	≤8.00	PASS
11G	Ant2	2412	-18.86	≤8.00	PASS
11G	Ant1	2437	-18.73	≤8.00	PASS
11G	Ant2	2437	-19.11	≤8.00	PASS
11G	Ant1	2462	-19.32	≤8.00	PASS
11G	Ant2	2462	-19.21	≤8.00	PASS
11N20MIMO	Ant1	2412	-22.02	≤8.00	PASS
11N20MIMO	Ant2	2412	-22.03	≤8.00	PASS
11N20MIMO	total	2412	-19.01	≤8.00	PASS
11N20MIMO	Ant1	2437	-22.55	≤8.00	PASS
11N20MIMO	Ant2	2437	-22.11	≤8.00	PASS
11N20MIMO	total	2437	-19.31	≤8.00	PASS
11N20MIMO	Ant1	2462	-22.16	≤8.00	PASS
11N20MIMO	Ant2	2462	-22.23	≤8.00	PASS
11N20MIMO	total	2462	-19.18	≤8.00	PASS
11N40MIMO	Ant1	2422	-24.76	≤8.00	PASS
11N40MIMO	Ant2	2422	-25.41	≤8.00	PASS
11N40MIMO	total	2422	-22.06	≤8.00	PASS
11N40MIMO	Ant1	2437	-25.88	≤8.00	PASS
11N40MIMO	Ant2	2437	-25.62	≤8.00	PASS
11N40MIMO	total	2437	-22.74	≤8.00	PASS
11N40MIMO	Ant1	2452	-25.63	≤8.00	PASS
11N40MIMO	Ant2	2452	-25.68	≤8.00	PASS
11N40MIMO	total	2452	-22.64	≤8.00	PASS