Appendix Test Data

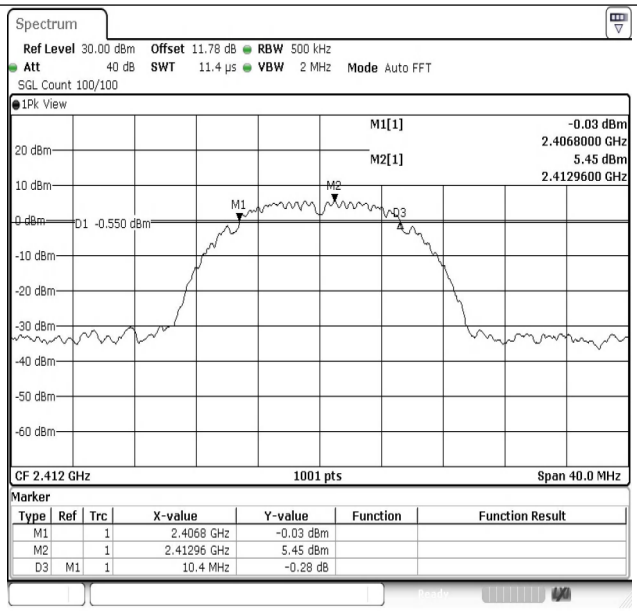
Report No.:	1812C40195012501	Test Sample No.:	1-2-2
Start Test Date:	2025.3.31	Finish Test Date:	2025.4.3
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	21.3℃	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

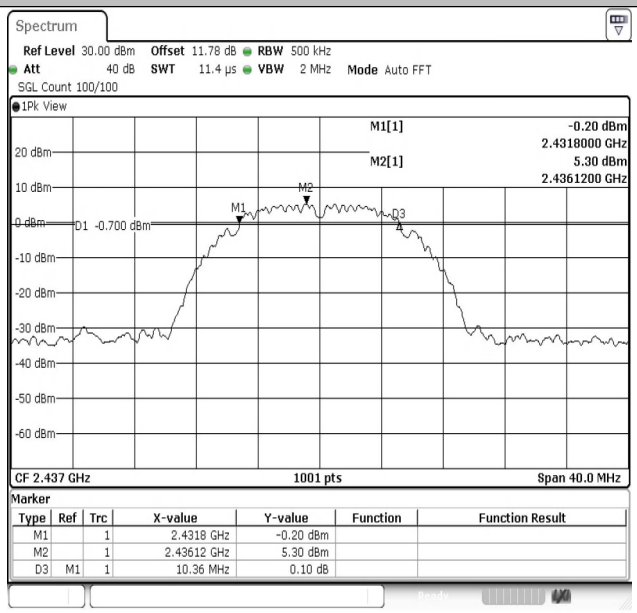
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.40	2406.80	2417.20	0.5	PASS
11B	Ant1	2437	10.36	2431.80	2442.16	0.5	PASS
11B	Ant1	2462	10.36	2456.80	2467.16	0.5	PASS
11G	Ant1	2412	15.00	2404.28	2419.28	0.5	PASS
11G	Ant1	2437	15.40	2429.28	2444.68	0.5	PASS
11G	Ant1	2462	15.68	2454.16	2469.84	0.5	PASS
11N20SISO	Ant1	2412	15.84	2403.76	2419.60	0.5	PASS
11N20SISO	Ant1	2437	15.68	2429.20	2444.88	0.5	PASS
11N20SISO	Ant1	2462	15.80	2454.24	2470.04	0.5	PASS
11N40SISO	Ant1	2422	35.68	2404.08	2439.76	0.5	PASS
11N40SISO	Ant1	2437	30.16	2421.56	2451.72	0.5	PASS
11N40SISO	Ant1	2452	35.04	2434.72	2469.76	0.5	PASS

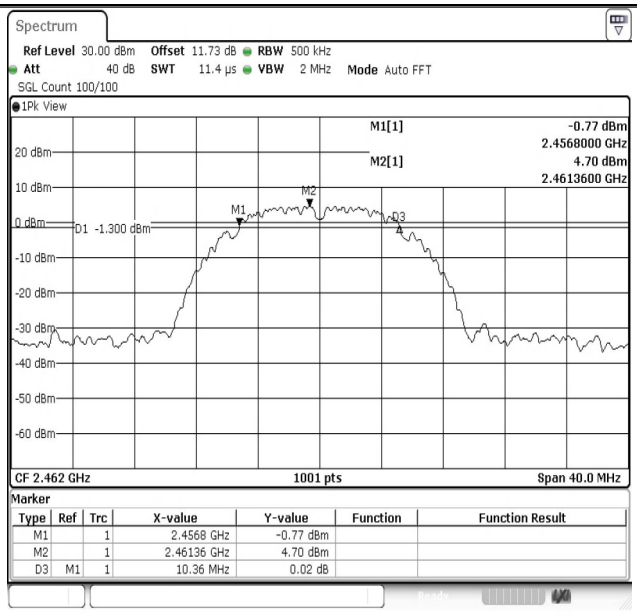
Test Graphs



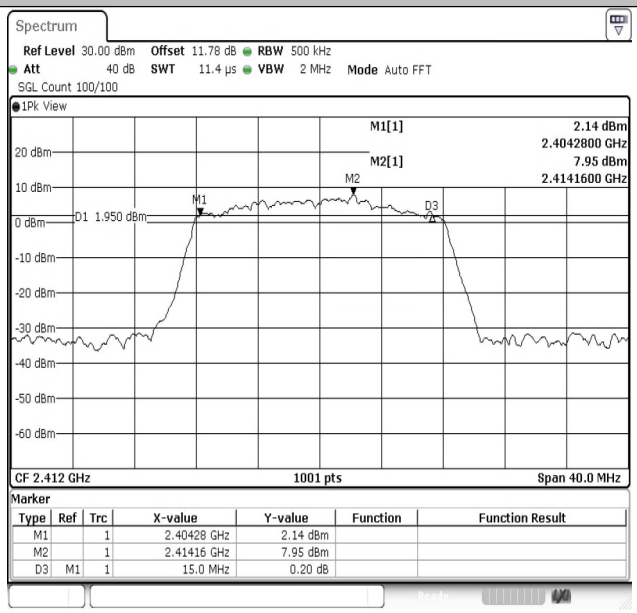
11B-Ant1-2412-PASS



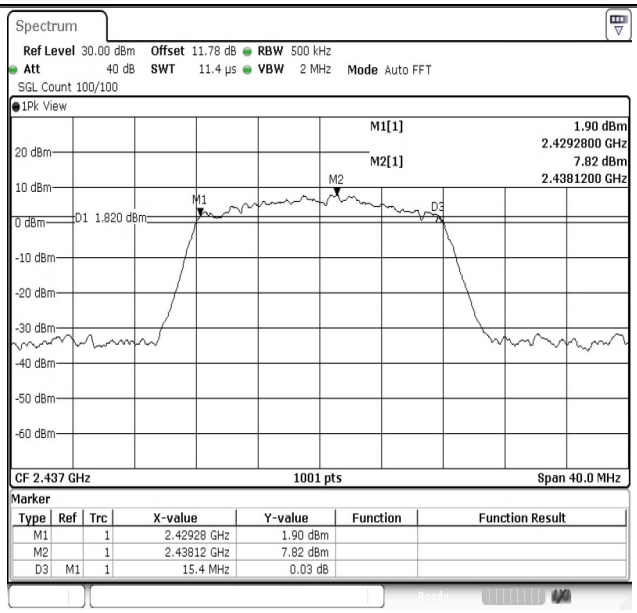
11B-Ant1-2437-PASS



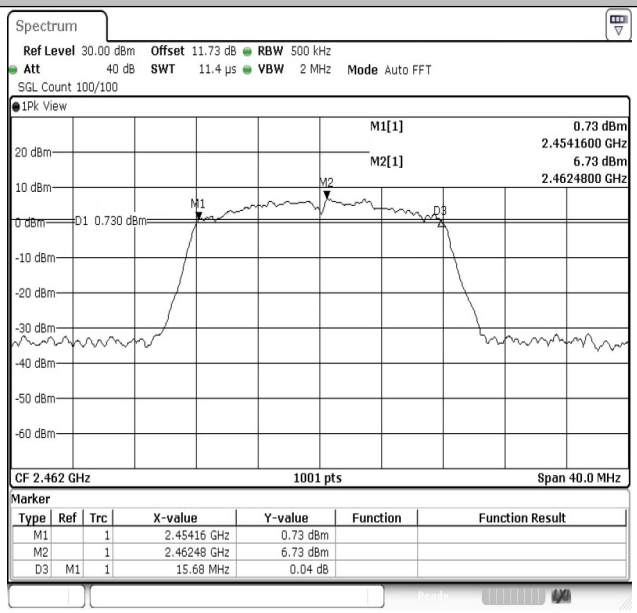
11B-Ant1-2462-PASS



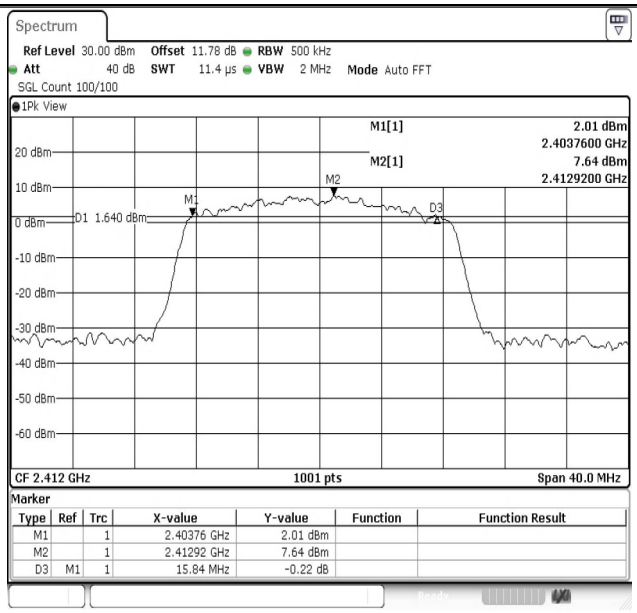
11G-Ant1-2412-PASS



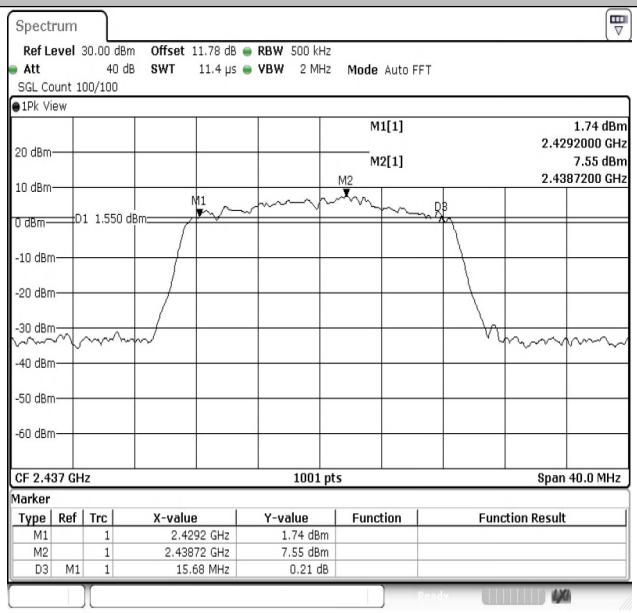
11G-Ant1-2437-PASS



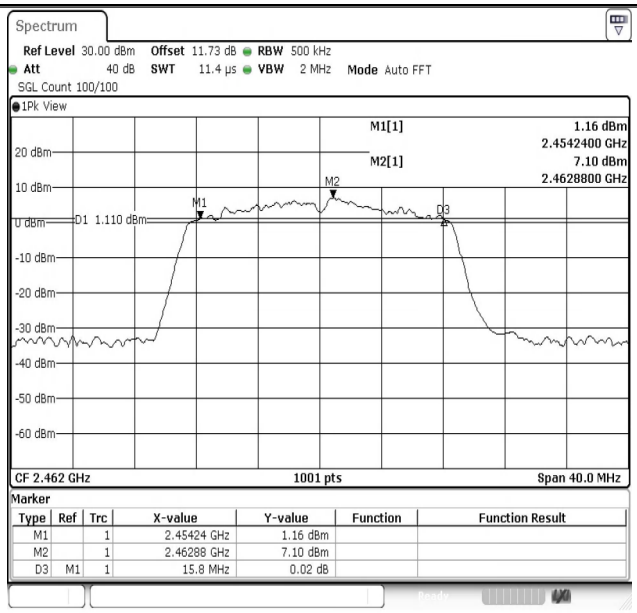
11G-Ant1-2462-PASS



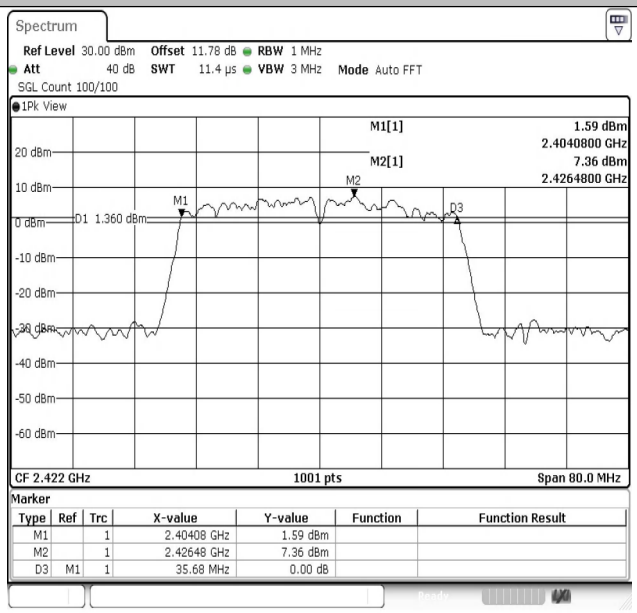
11N20SISO-Ant1-2412-PASS



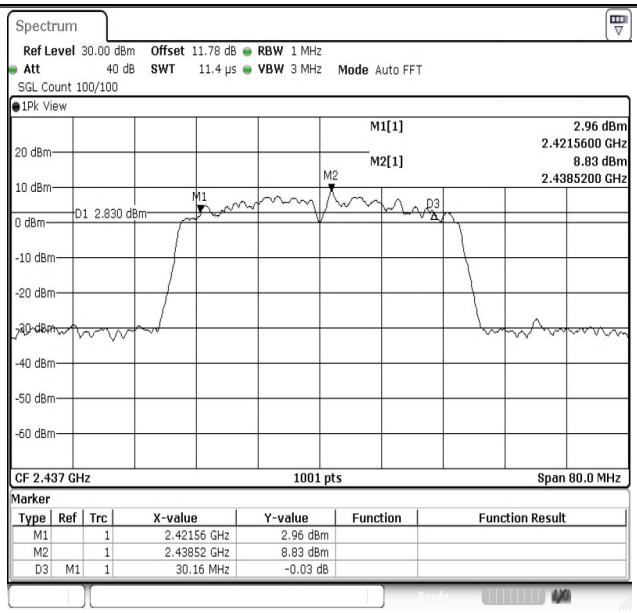
11N20SISO-Ant1-2437-PASS



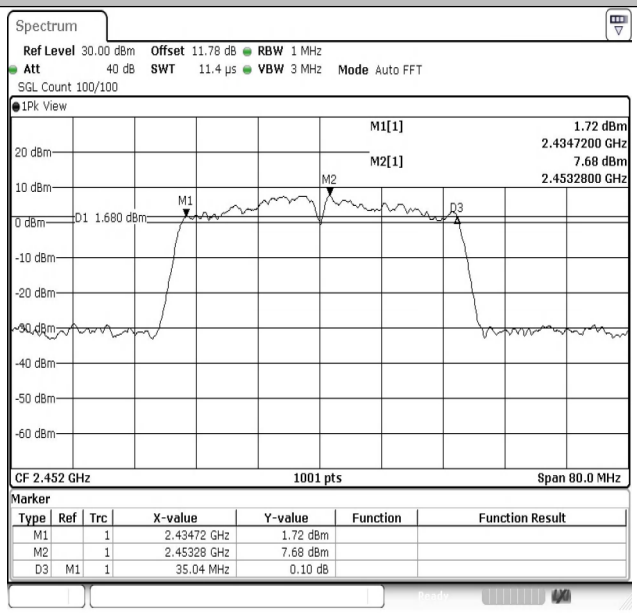
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

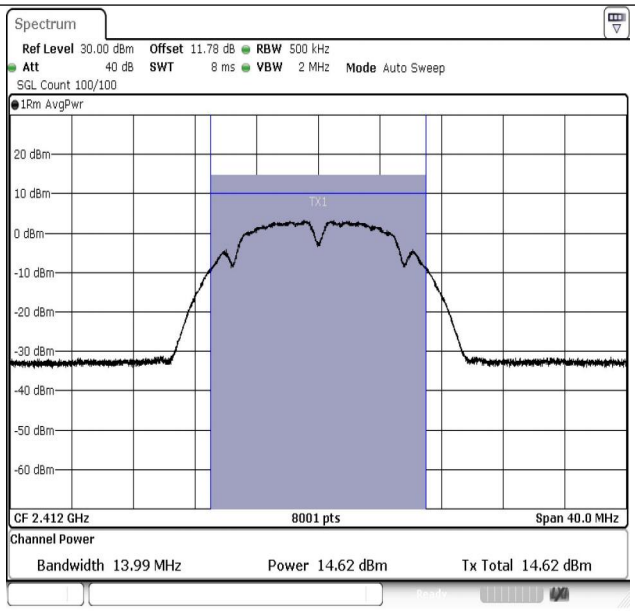
Appendix B: Maximum conducted output power

Test Result Average

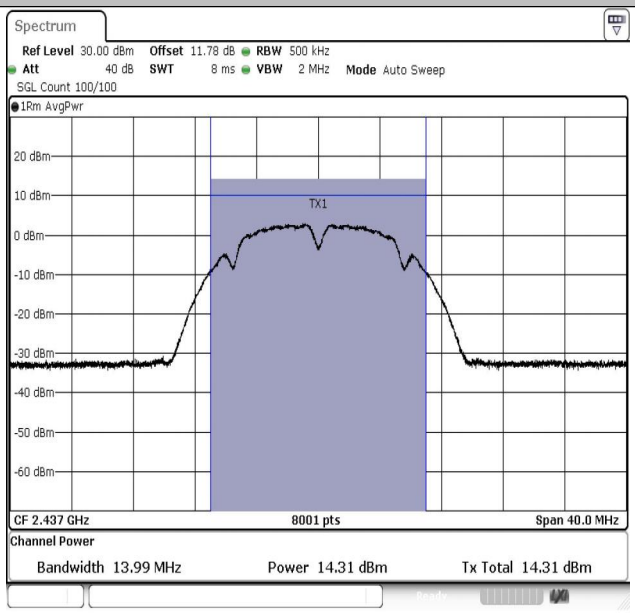
Test Mode	Antenna	Frequency[MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	14.62	100.00	0.00	14.62	≤30.00	PASS
11B	Ant1	2437	NA	14.31	100.00	0.00	14.31	≤30.00	PASS
11B	Ant1	2462	NA	13.67	100.00	0.00	13.67	≤30.00	PASS
11G	Ant1	2412	NA	14.24	100.00	0.00	14.24	≤30.00	PASS
11G	Ant1	2437	NA	14.13	100.00	0.00	14.13	≤30.00	PASS
11G	Ant1	2462	NA	13.65	100.00	0.00	13.65	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.10	100.00	0.00	14.10	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.94	100.00	0.00	13.94	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.53	100.00	0.00	13.53	≤30.00	PASS
11N40SISO	Ant1	2422	NA	13.78	100.00	0.00	13.78	≤30.00	PASS
11N40SISO	Ant1	2437	NA	13.81	100.00	0.00	13.81	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.48	100.00	0.00	13.48	≤30.00	PASS

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

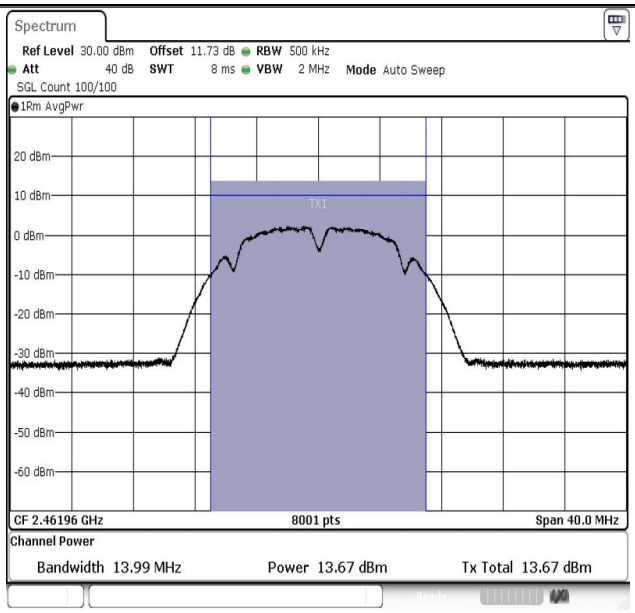
Test Graphs Average



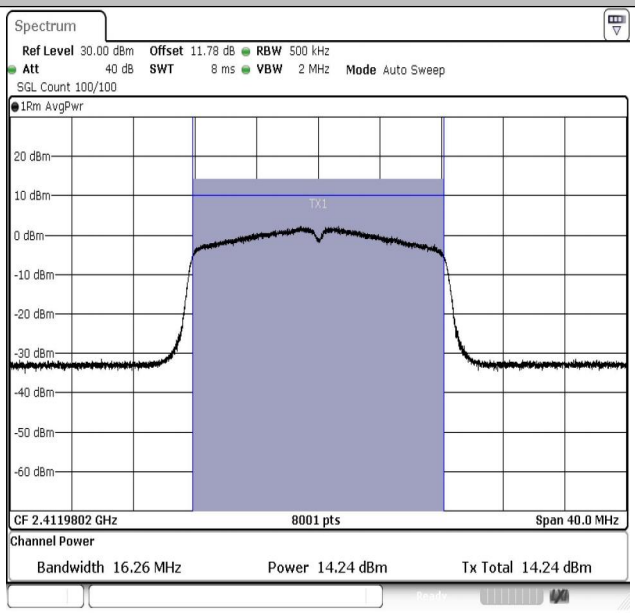
11B-Ant1-2412-PASS



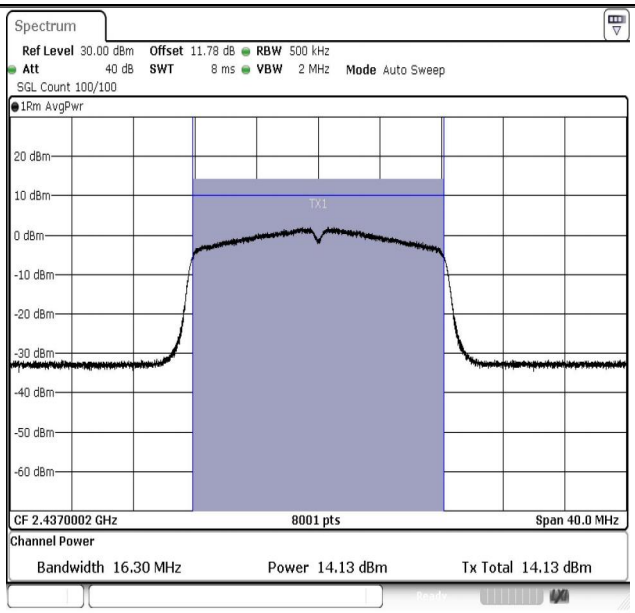
11B-Ant1-2437-PASS



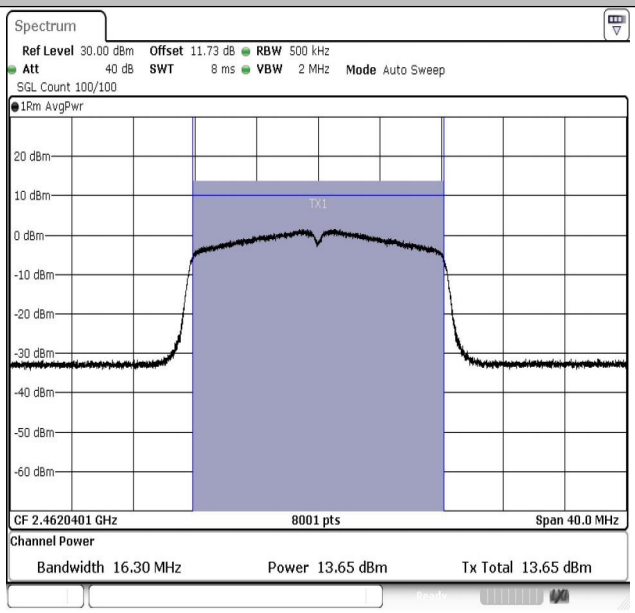
11B-Ant1-2462-PASS



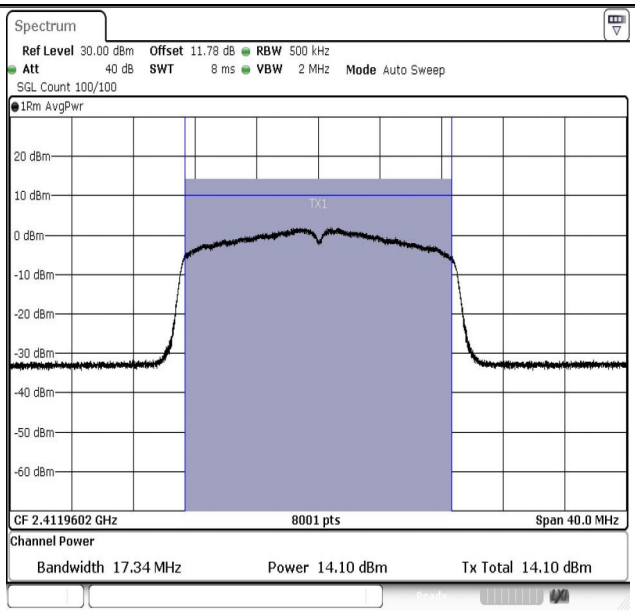
11G-Ant1-2412-PASS



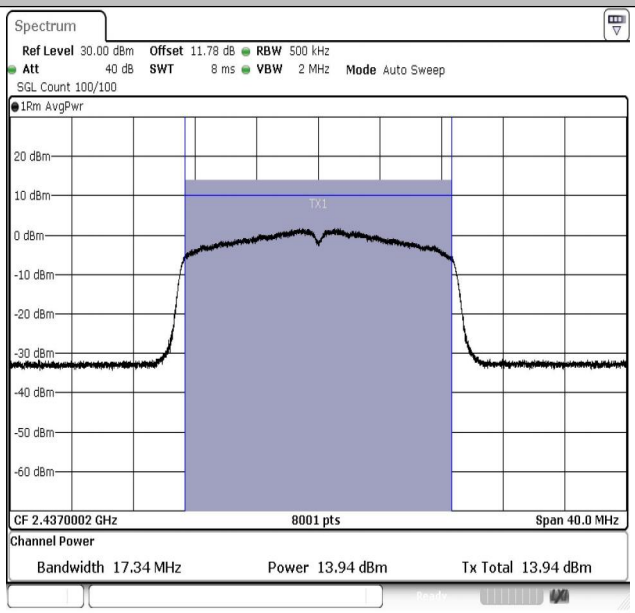
11G-Ant1-2437-PASS



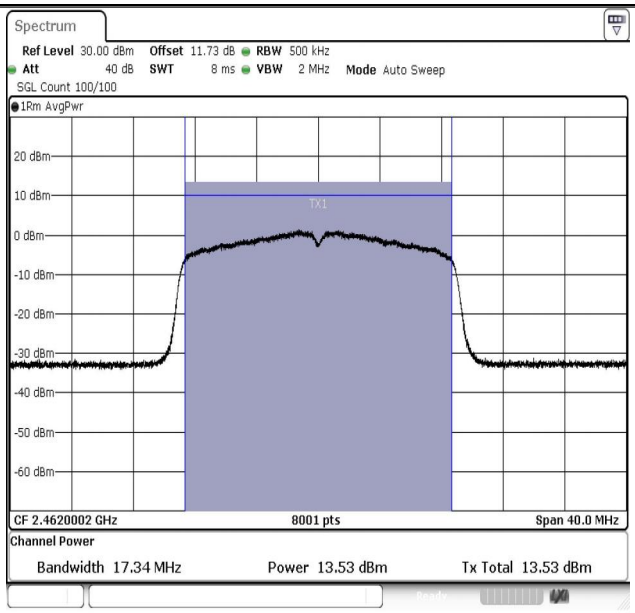
11G-Ant1-2462-PASS



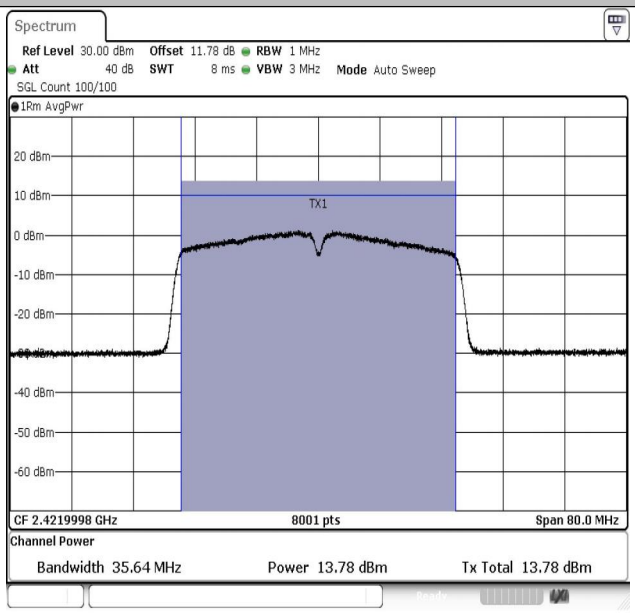
11N20SISO-Ant1-2412-PASS



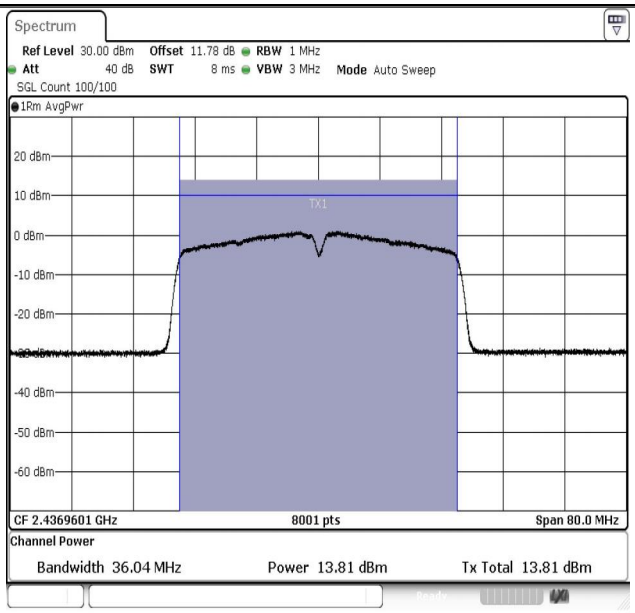
11N20SISO-Ant1-2437-PASS



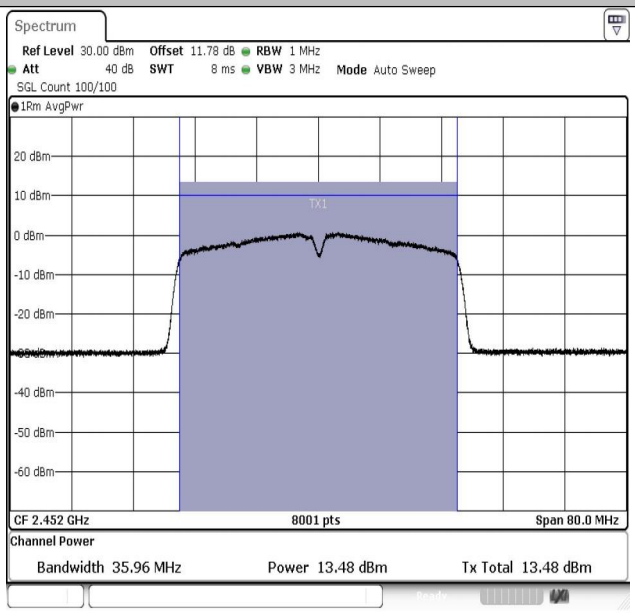
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

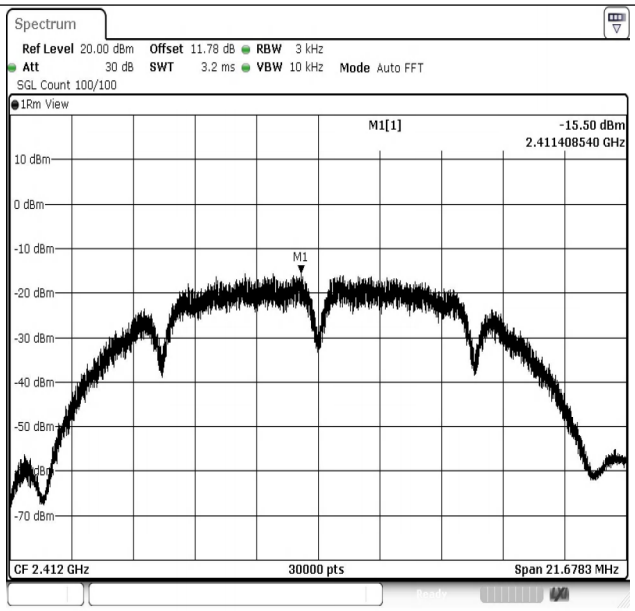
Appendix C: Maximum power spectral density

Test Result

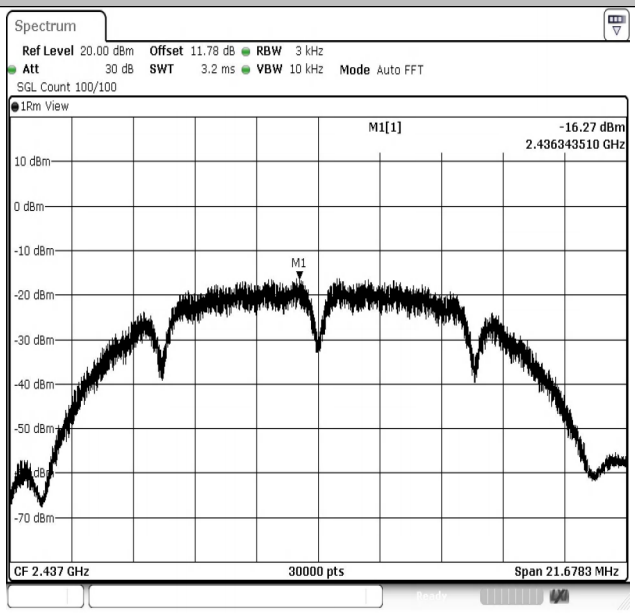
Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.5	0.00	-15.50	≤8.00	PASS
11B	Ant1	2437	-16.27	0.00	-16.27	≤8.00	PASS
11B	Ant1	2462	-16.29	0.00	-16.29	≤8.00	PASS
11G	Ant1	2412	-14.16	0.00	-14.16	≤8.00	PASS
11G	Ant1	2437	-14.57	0.00	-14.57	≤8.00	PASS
11G	Ant1	2462	-15.12	0.00	-15.12	≤8.00	PASS
11N20SISO	Ant1	2412	-12.6	0.00	-12.60	≤8.00	PASS
11N20SISO	Ant1	2437	-12.92	0.00	-12.92	≤8.00	PASS
11N20SISO	Ant1	2462	-13.41	0.00	-13.41	≤8.00	PASS
11N40SISO	Ant1	2422	-15.74	0.00	-15.74	≤8.00	PASS
11N40SISO	Ant1	2437	-15.86	0.00	-15.86	≤8.00	PASS
11N40SISO	Ant1	2452	-16.41	0.00	-16.41	≤8.00	PASS

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

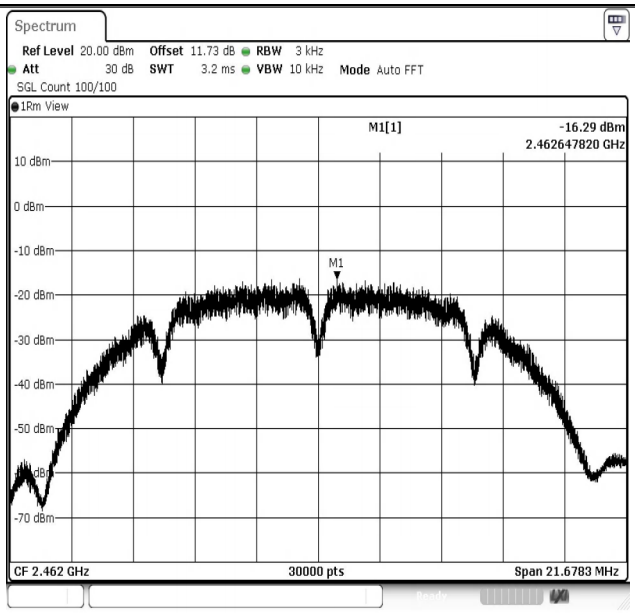
Test Graphs



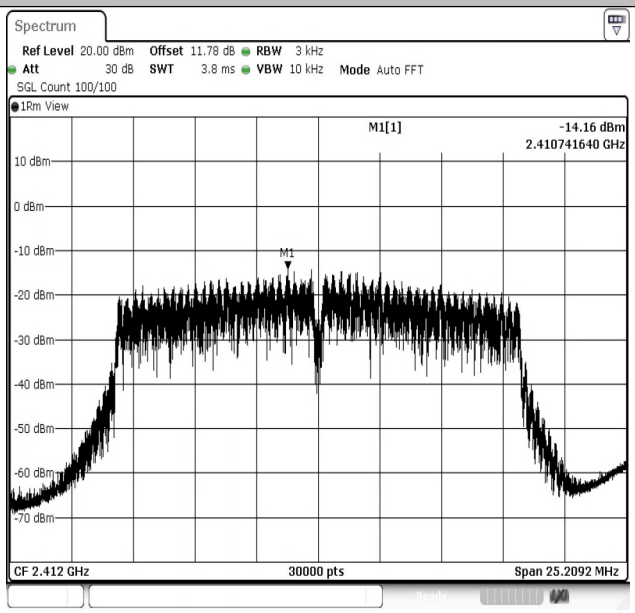
11B-Ant1-2412-PASS



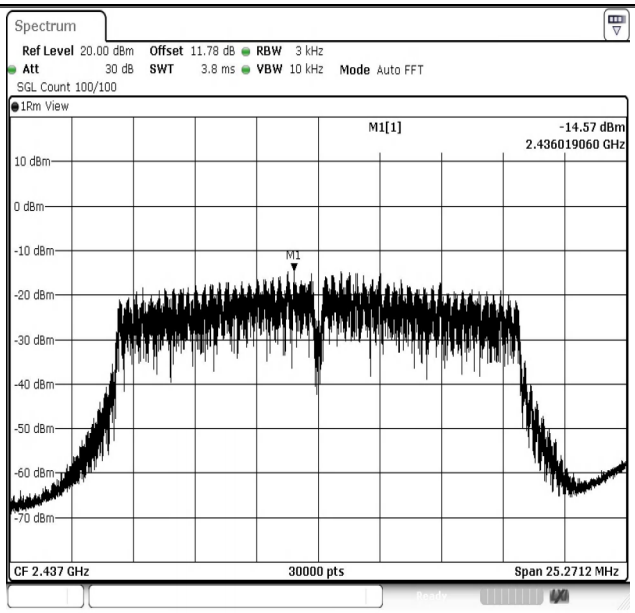
11B-Ant1-2437-PASS



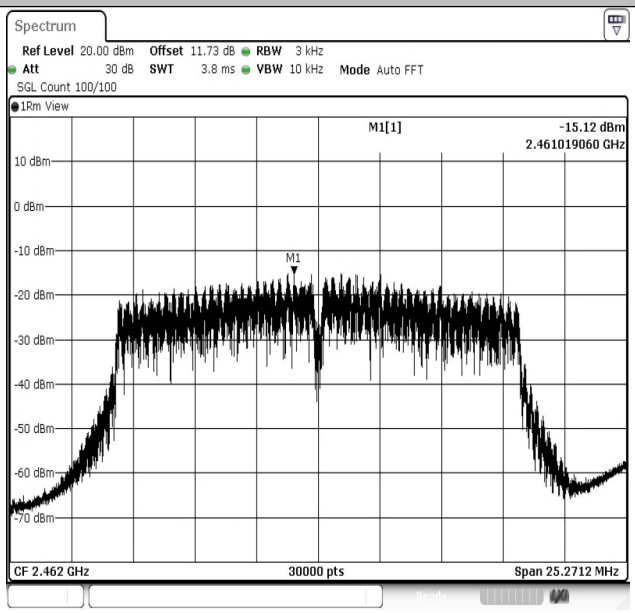
11B-Ant1-2462-PASS



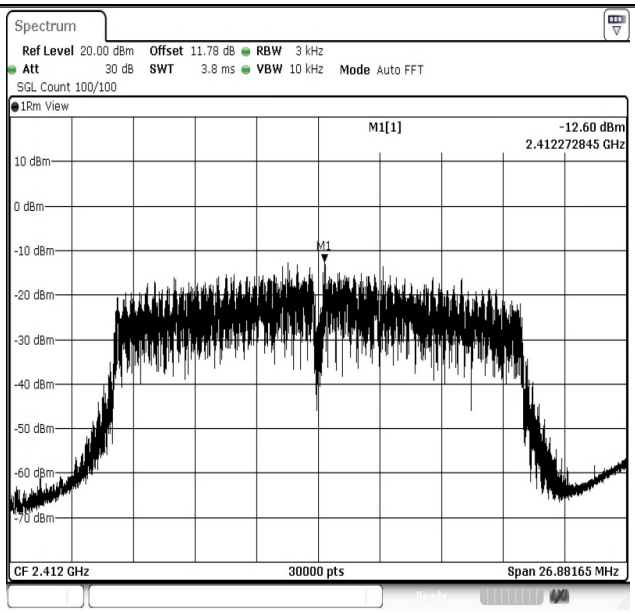
11G-Ant1-2412-PASS



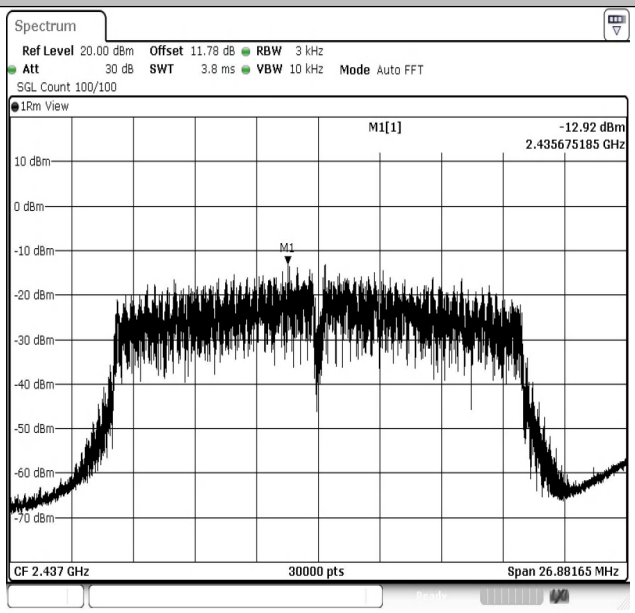
11G-Ant1-2437-PASS



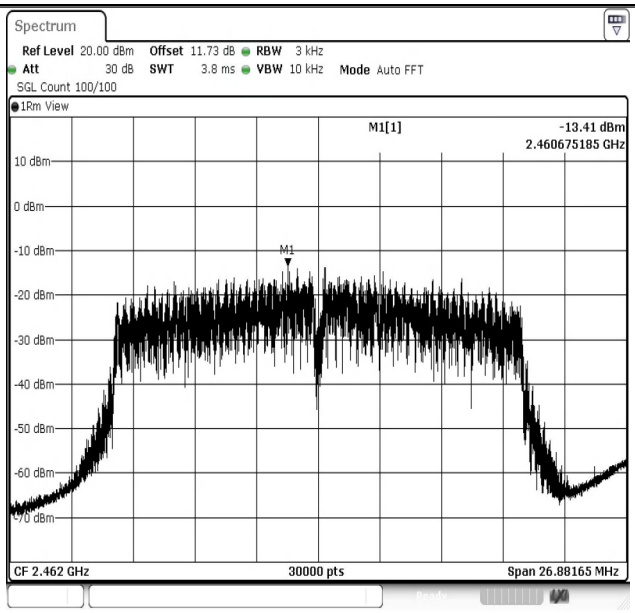
11G-Ant1-2462-PASS



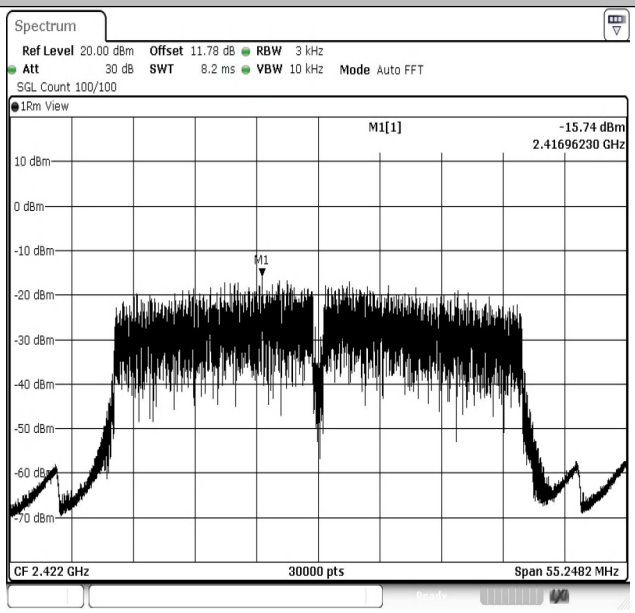
11N20SISO-Ant1-2412-PASS



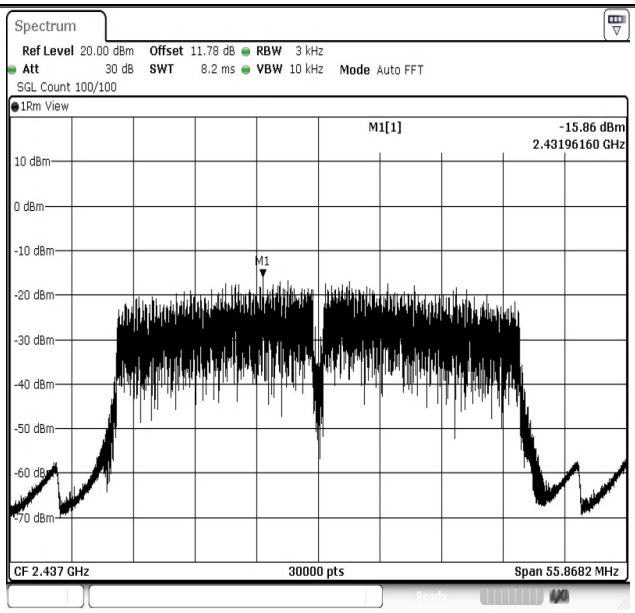
11N20SISO-Ant1-2437-PASS



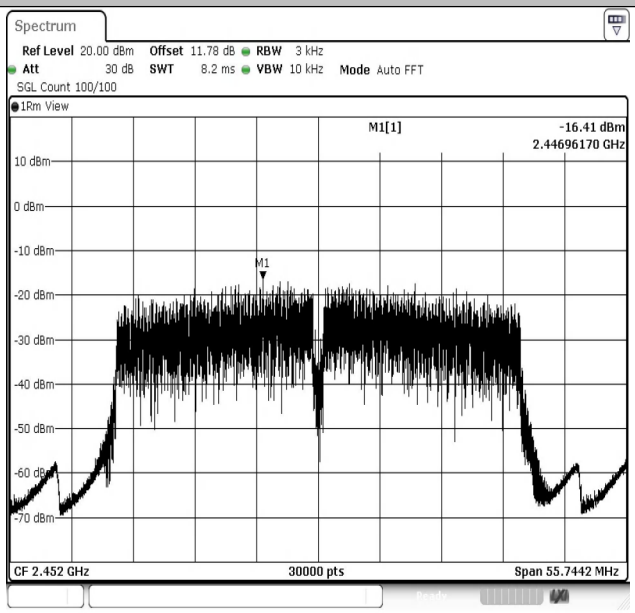
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



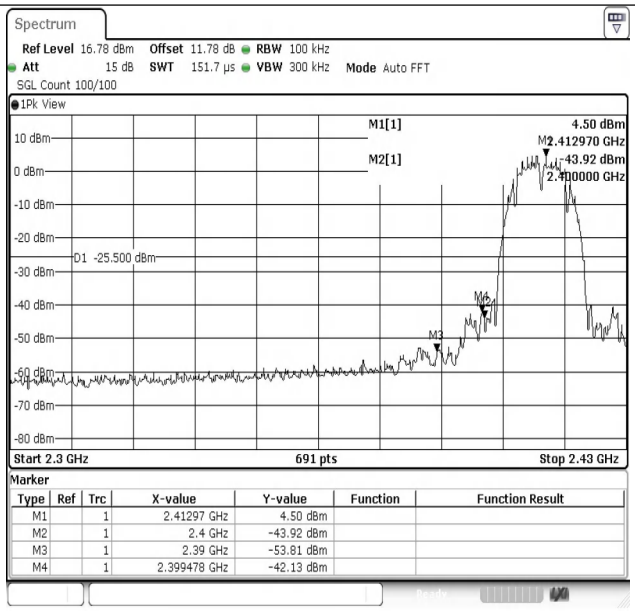
11N40SISO-Ant1-2452-PASS

Appendix D: Conducted Band edge

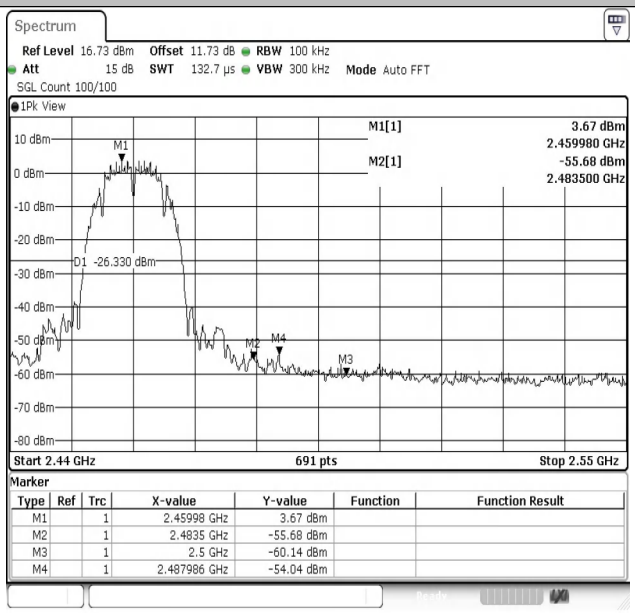
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.50	-42.13	≤-25.5	PASS
11B	Ant1	High	2462	3.67	-54.04	≤-26.33	PASS
11G	Ant1	Low	2412	4.55	-46.92	≤-25.45	PASS
11G	Ant1	High	2462	4.01	-54.21	≤-25.99	PASS
11N20SISO	Ant1	Low	2412	3.13	-43.32	≤-26.87	PASS
11N20SISO	Ant1	High	2462	3.97	-52.43	≤-26.03	PASS
11N40SISO	Ant1	Low	2422	1.49	-46.76	≤-28.51	PASS
11N40SISO	Ant1	High	2452	1.03	-46.19	≤-28.97	PASS

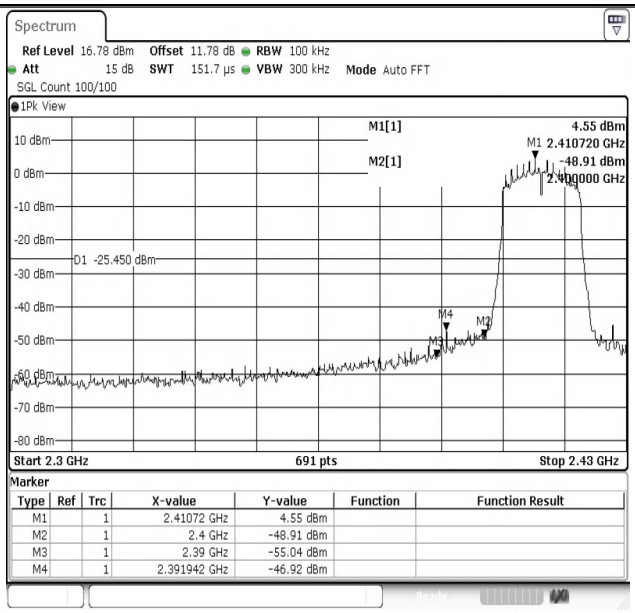
Test Graphs



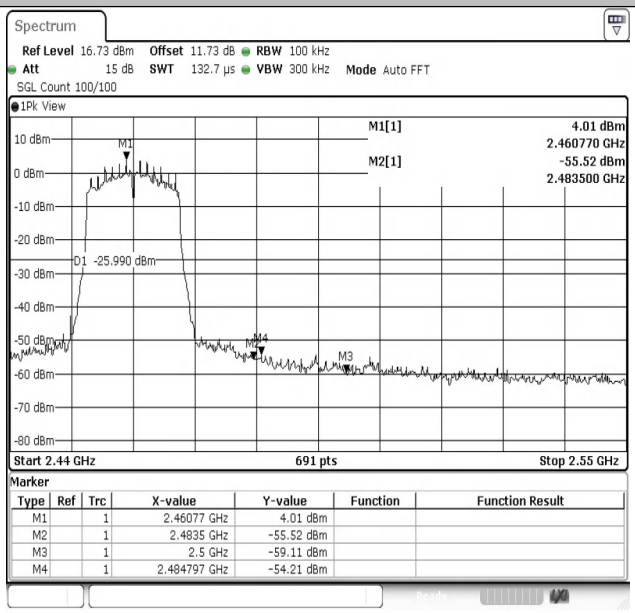
11B-Ant1-2412-PASS



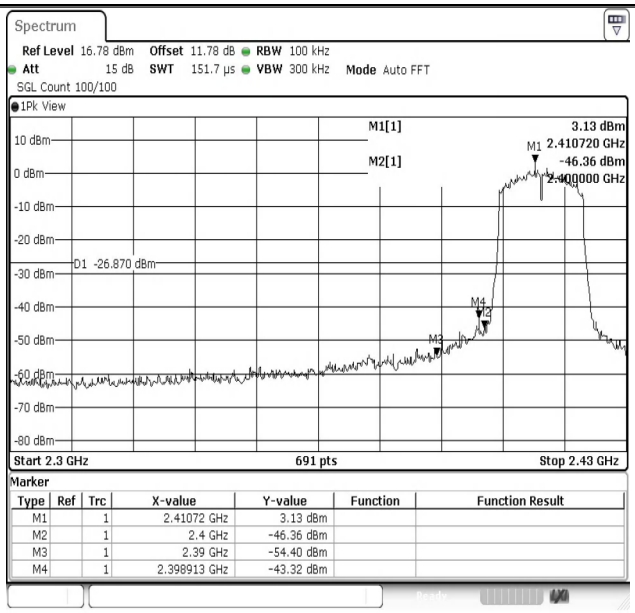
11B-Ant1-2462-PASS



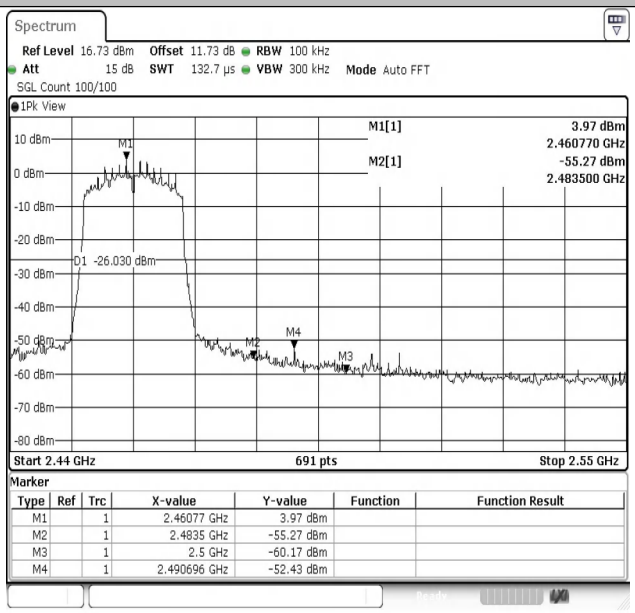
11G-Ant1-2412-PASS



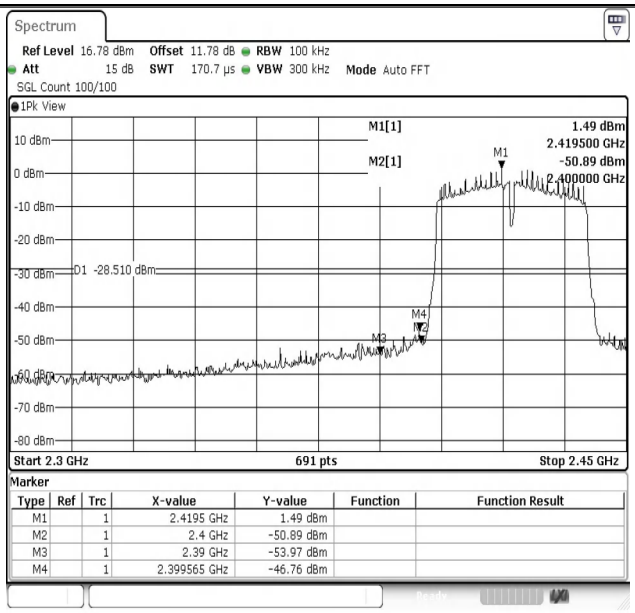
11G-Ant1-2462-PASS



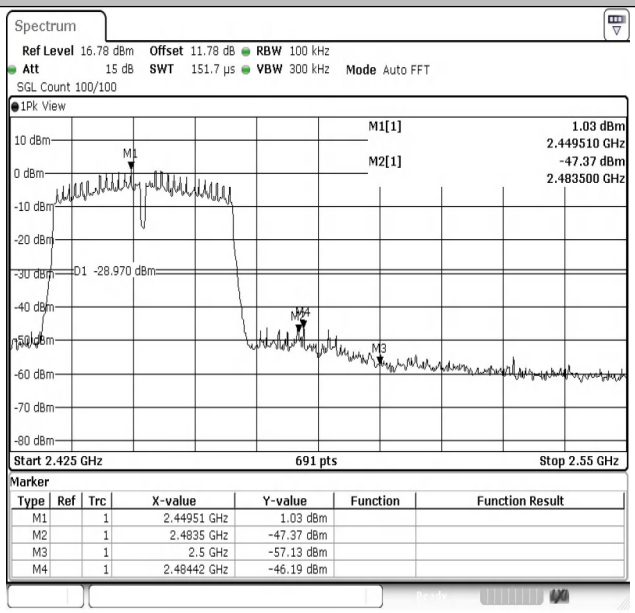
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS