

Appendix Test Data

Report No:	182512C400497103	Test Sample NO:	1-2-2
Start Test Date:	2024.8.9	Finish Test Date:	2024.8.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.5℃	Relative Humidity:	52%
Pressure:	101 kPa		

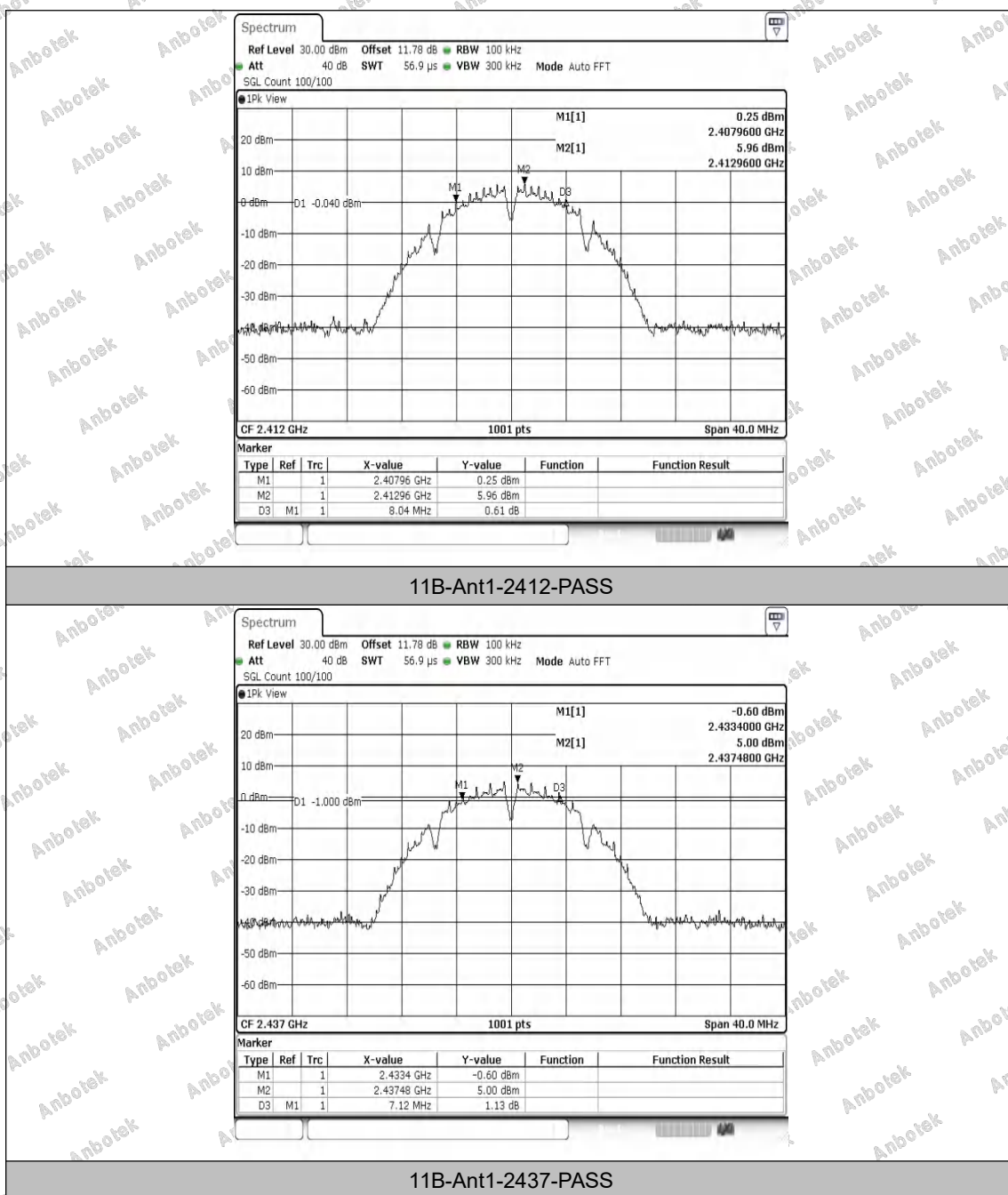
Appendix A: DTS Bandwidth

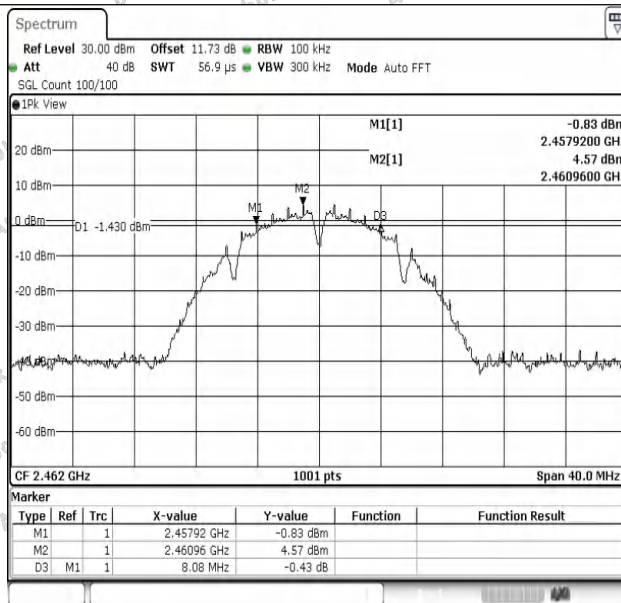
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.04	2407.96	2416.00	0.5	PASS
11B	Ant1	2437	7.12	2433.40	2440.52	0.5	PASS
11B	Ant1	2462	8.08	2457.92	2466.00	0.5	PASS
11G	Ant1	2412	16.04	2404.08	2420.12	0.5	PASS
11G	Ant1	2437	16.32	2428.80	2445.12	0.5	PASS
11G	Ant1	2462	16.32	2453.80	2470.12	0.5	PASS
11N20SISO	Ant1	2412	17.20	2403.56	2420.76	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.16	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.16	2470.76	0.5	PASS
11N40SISO	Ant1	2422	35.76	2404.40	2440.16	0.5	PASS
11N40SISO	Ant1	2437	36.40	2418.76	2455.16	0.5	PASS
11N40SISO	Ant1	2452	35.44	2434.08	2469.52	0.5	PASS

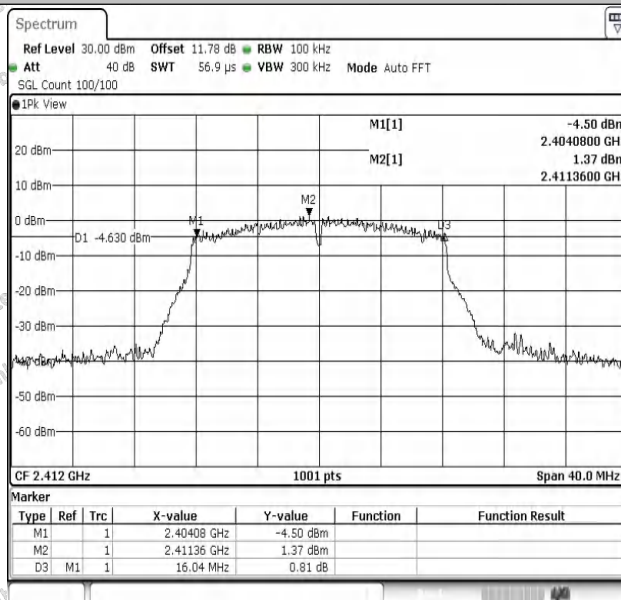


Test Graphs



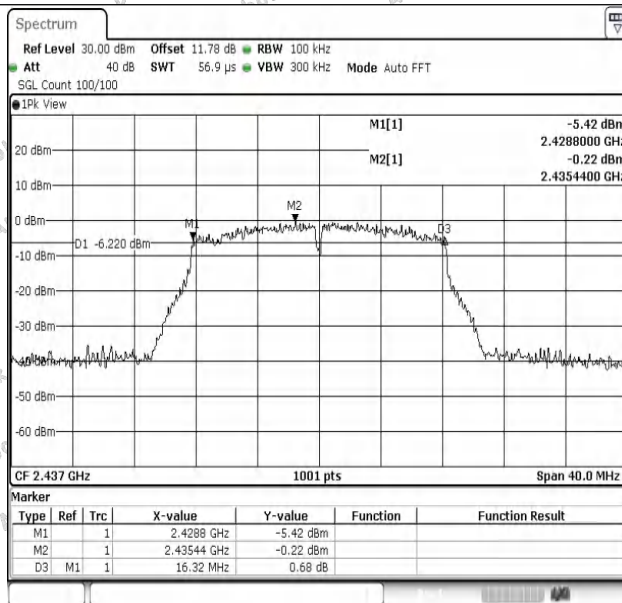


11B-Ant1-2462-PASS

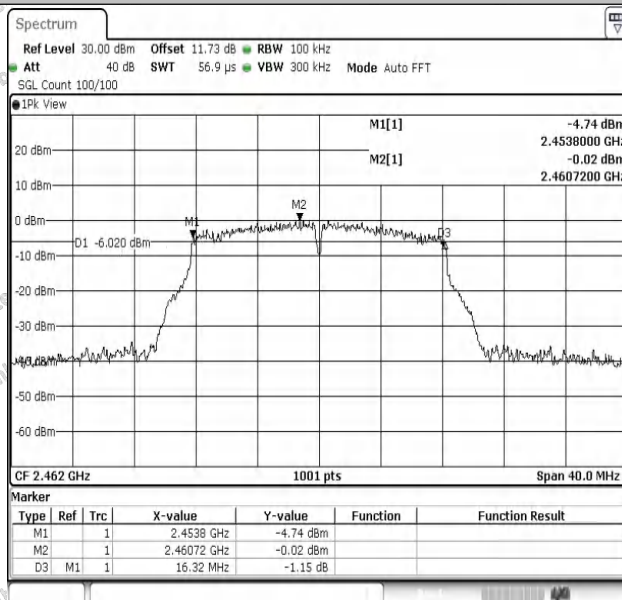


11G-Ant1-2412-PASS



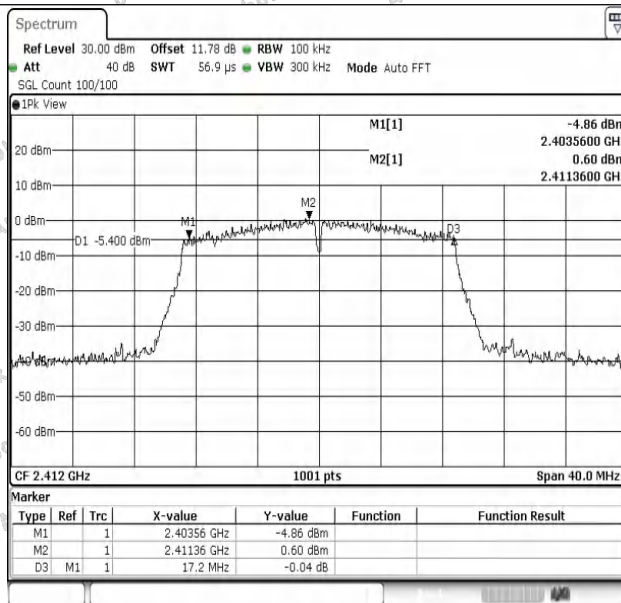


11G-Ant1-2437-PASS

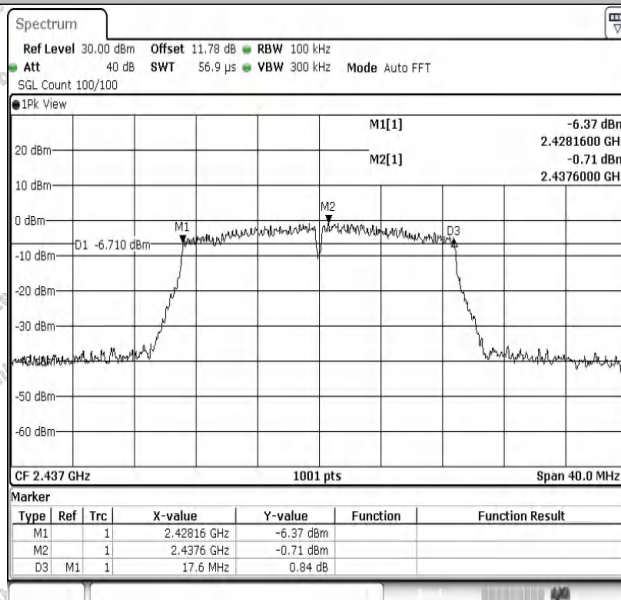


11G-Ant1-2462-PASS



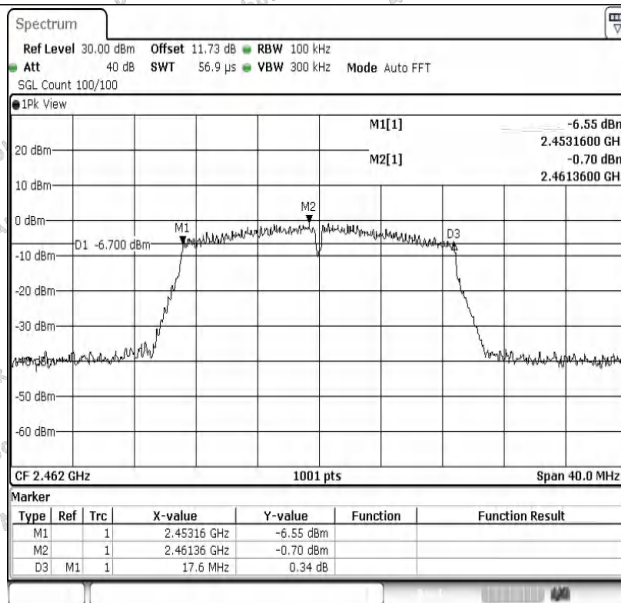


11N20SISO-Ant1-2412-PASS

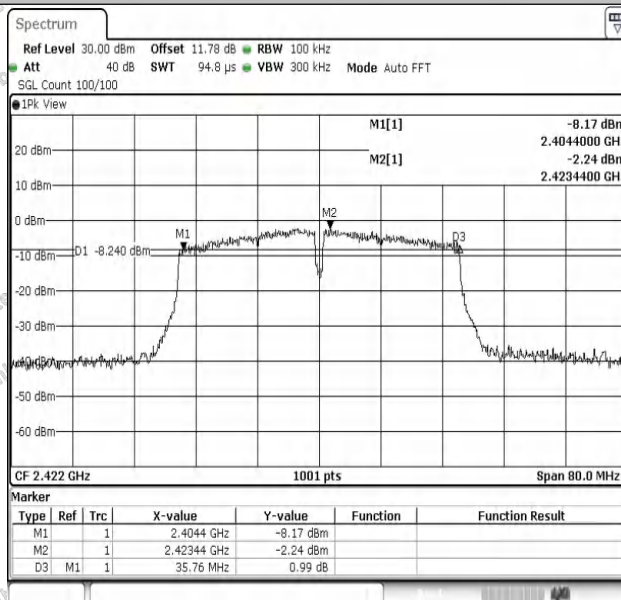


11N20SISO-Ant1-2437-PASS



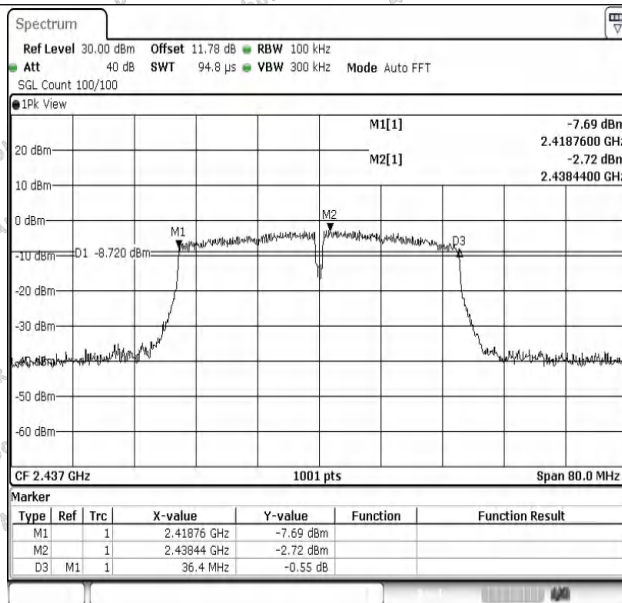


11N20SISO-Ant1-2462-PASS

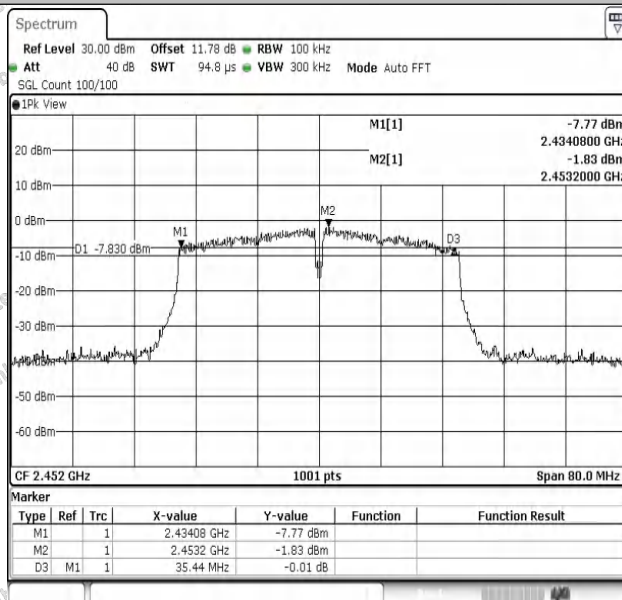


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



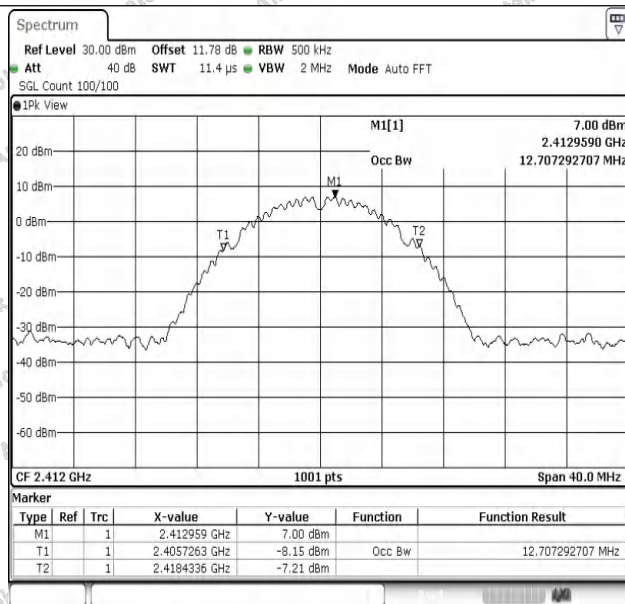
Appendix B: Occupied Channel Bandwidth

Test Result

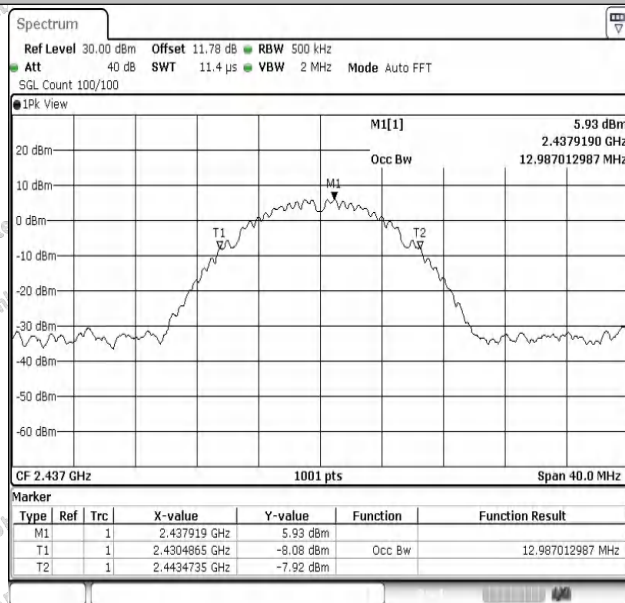
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.707	2405.7263	2418.4336	---	---
11B	Ant1	2437	12.987	2430.4865	2443.4735	---	---
11B	Ant1	2462	12.907	2455.4466	2468.3536	---	---
11G	Ant1	2412	16.623	2403.6484	2420.2717	---	---
11G	Ant1	2437	16.663	2428.6883	2445.3516	---	---
11G	Ant1	2462	16.743	2453.5285	2470.2717	---	---
11N20SISO	Ant1	2412	17.582	2403.1688	2420.7512	---	---
11N20SISO	Ant1	2437	17.742	2428.1289	2445.8711	---	---
11N20SISO	Ant1	2462	17.862	2453.0490	2470.9111	---	---
11N40SISO	Ant1	2422	36.044	2404.0180	2440.0619	---	---
11N40SISO	Ant1	2437	36.204	2418.7782	2454.9820	---	---
11N40SISO	Ant1	2452	35.884	2433.9381	2469.8222	---	---



Test Graphs

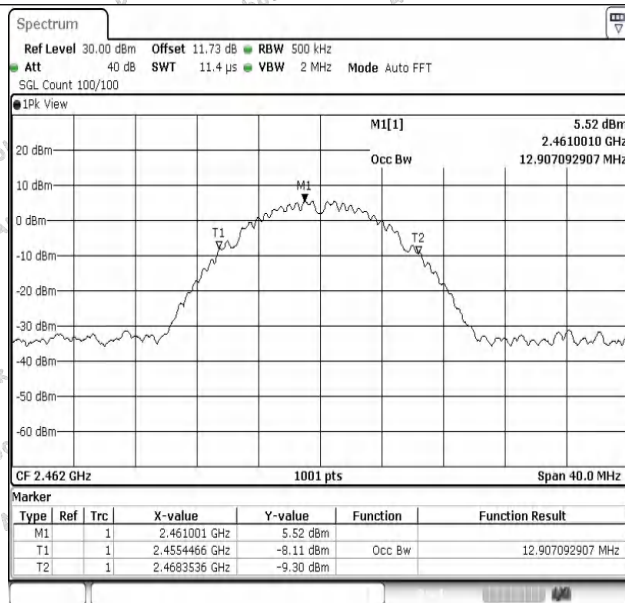


11B-Ant1-2412

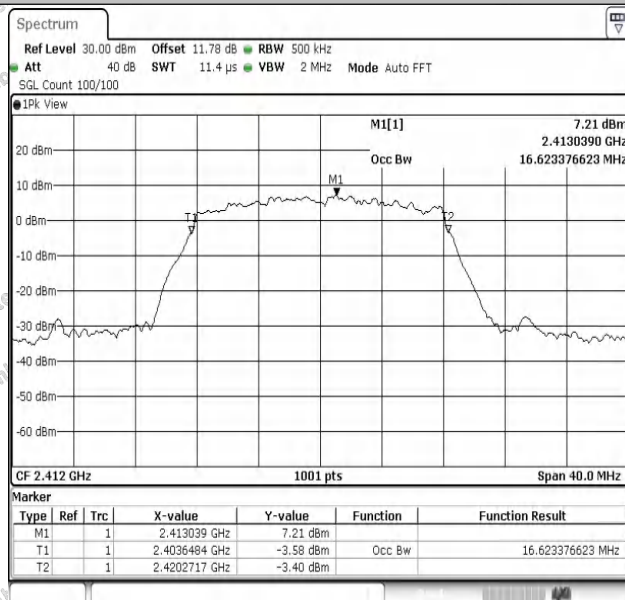


11B-Ant1-2437



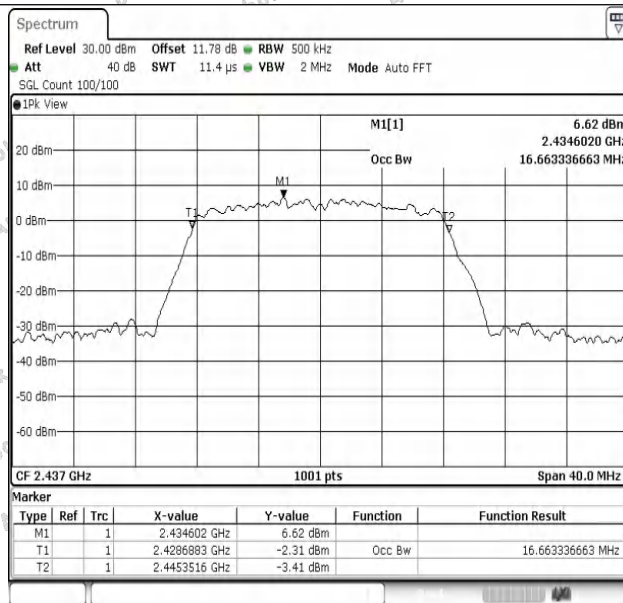


11B-Ant1-2462

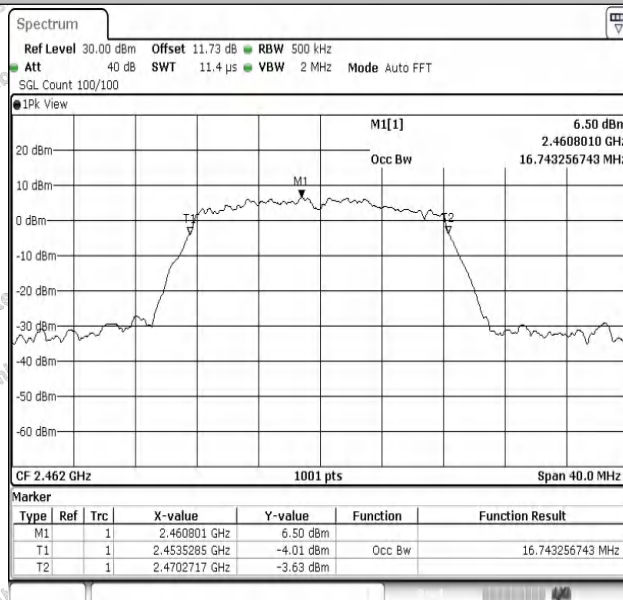


11G-Ant1-2412



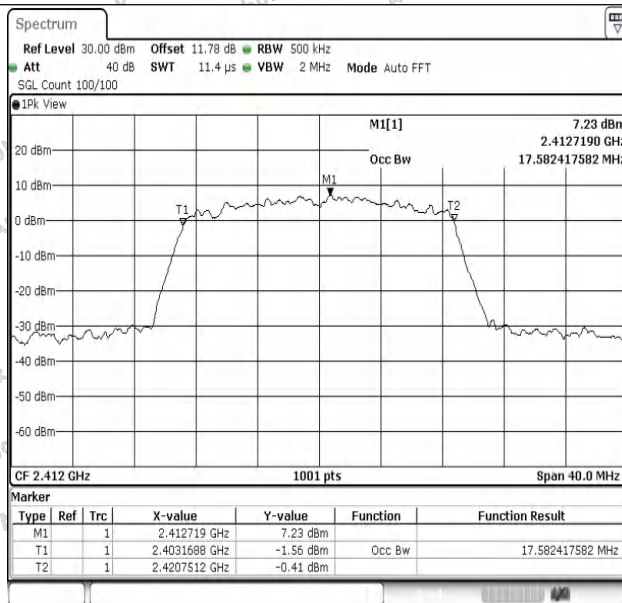


11G-Ant1-2437

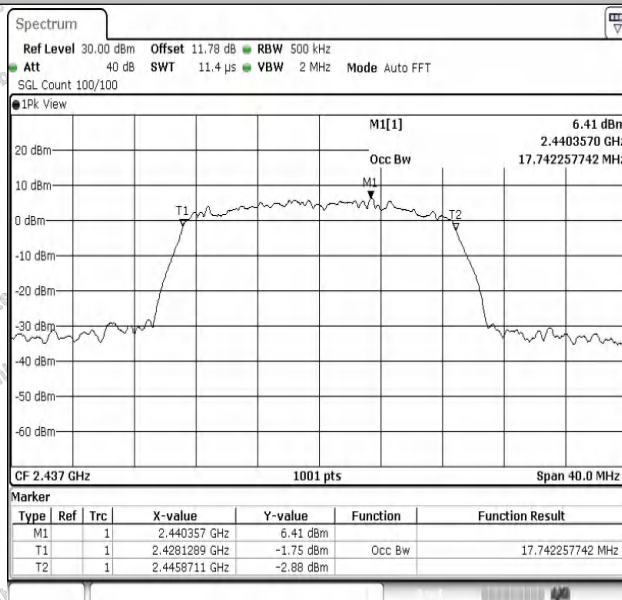


11G-Ant1-2462



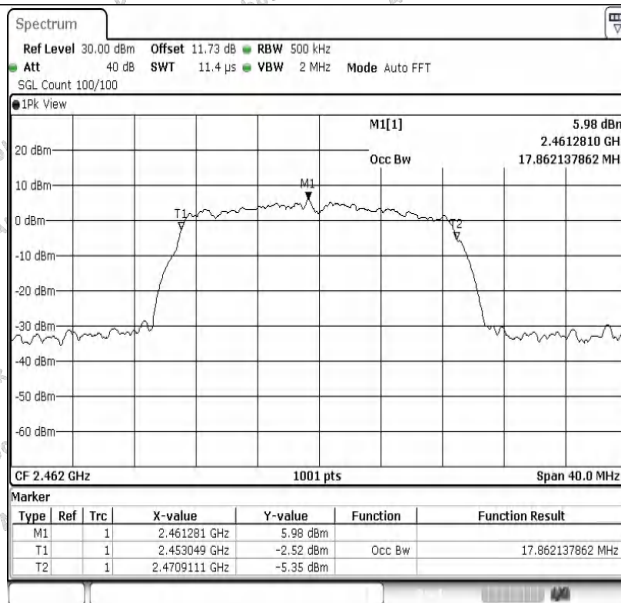


11N20SISO-Ant1-2412

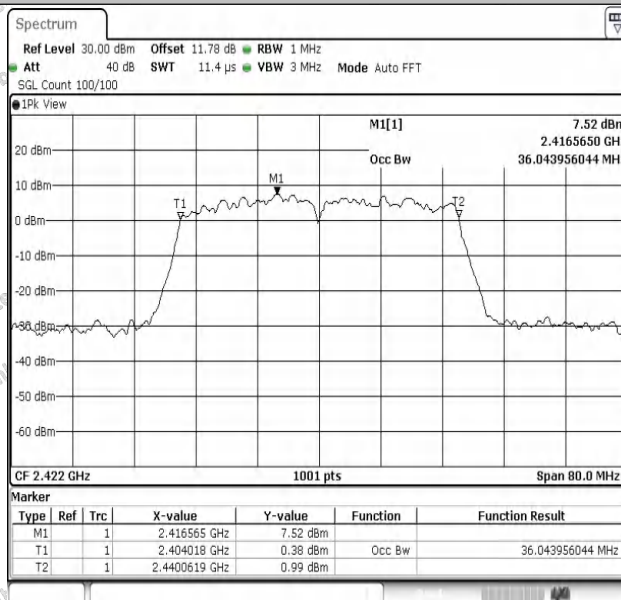


11N20SISO-Ant1-2437



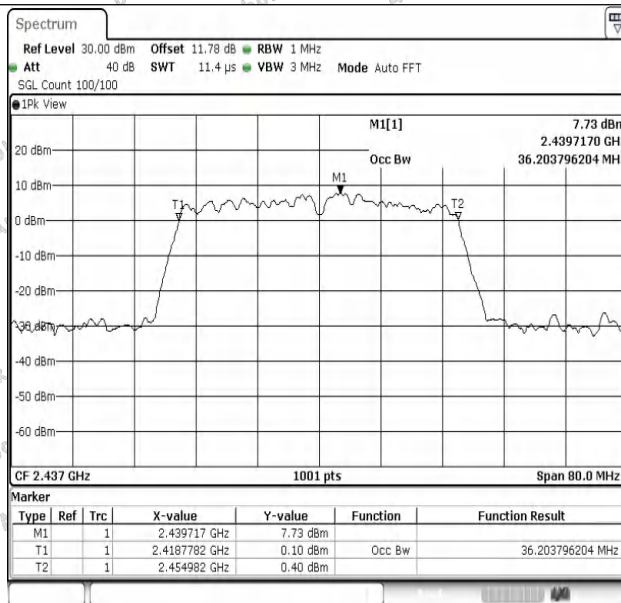


11N20SISO-Ant1-2462

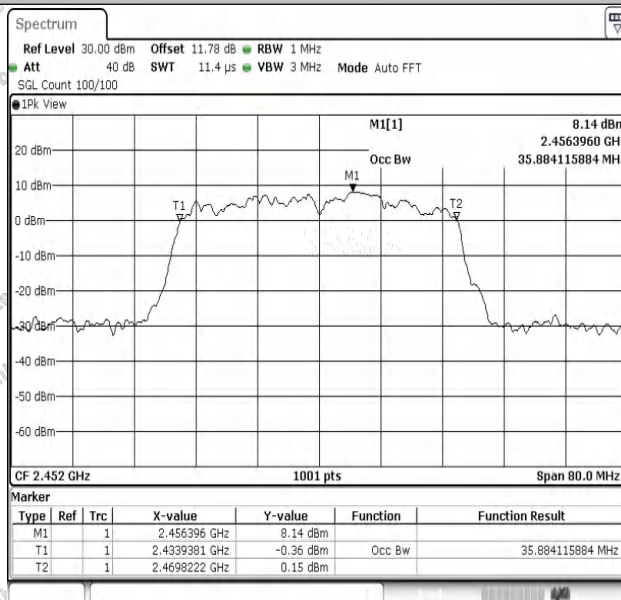


11N40SISO-Ant1-2422





11N40SISO-Ant1-2437



11N40SISO-Ant1-2452



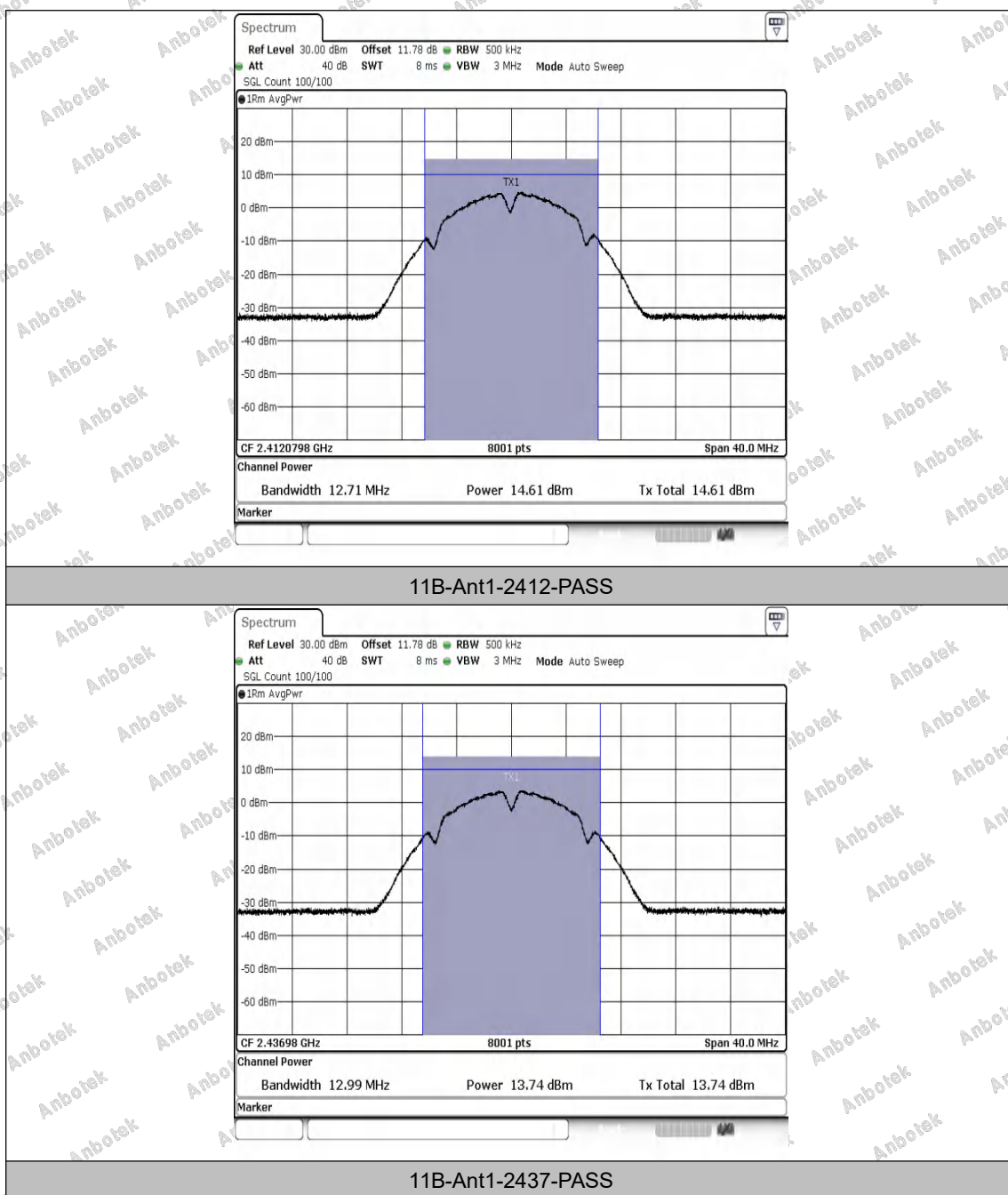
Appendix C: Maximum conducted output power

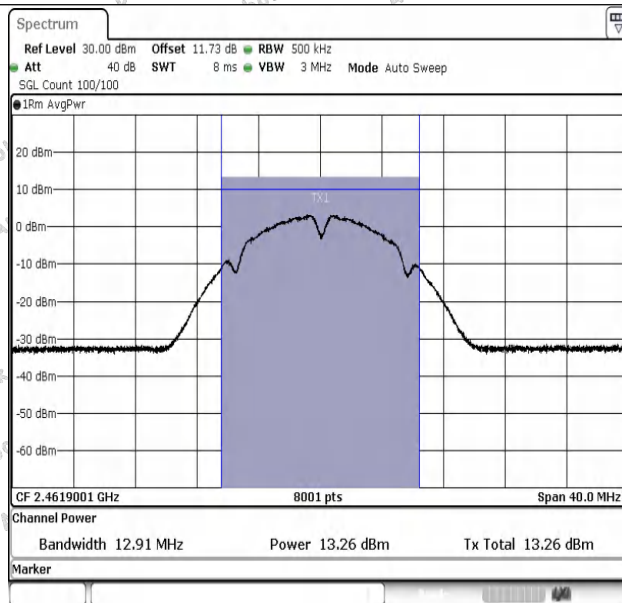
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	14.61	100.00	0.00	14.61	≤30.0 0	PASS
11B	Ant1	2437	NA	13.74	100.00	0.00	13.74	≤30.0 0	PASS
11B	Ant1	2462	NA	13.26	100.00	0.00	13.26	≤30.0 0	PASS
11G	Ant1	2412	NA	14.41	100.00	0.00	14.41	≤30.0 0	PASS
11G	Ant1	2437	NA	13.41	100.00	0.00	13.41	≤30.0 0	PASS
11G	Ant1	2462	NA	13.64	100.00	0.00	13.64	≤30.0 0	PASS
11N20SI SO	Ant1	2412	NA	14.13	100.00	0.00	14.13	≤30.0 0	PASS
11N20SI SO	Ant1	2437	NA	13.23	100.00	0.00	13.23	≤30.0 0	PASS
11N20SI SO	Ant1	2462	NA	13.70	100.00	0.00	13.70	≤30.0 0	PASS
11N40SI SO	Ant1	2422	NA	14.28	100.00	0.00	14.28	≤30.0 0	PASS
11N40SI SO	Ant1	2437	NA	14.19	100.00	0.00	14.19	≤30.0 0	PASS
11N40SI SO	Ant1	2452	NA	14.16	100.00	0.00	14.16	≤30.0 0	PASS

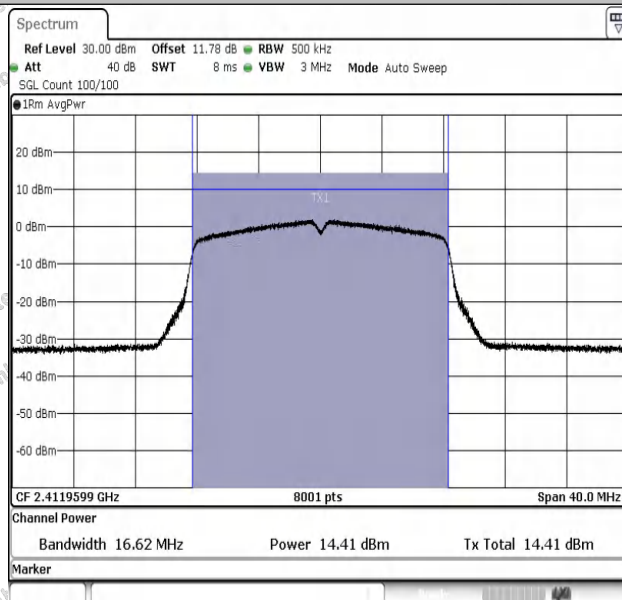


Test Graphs Average





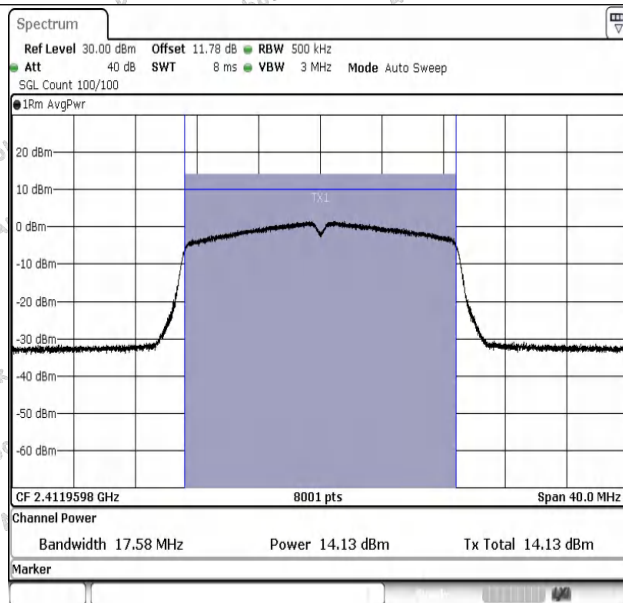
11B-Ant1-2462-PASS



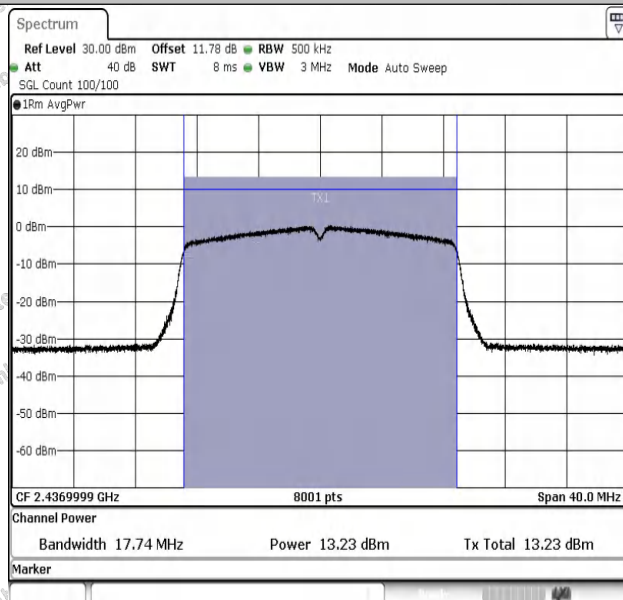
11G-Ant1-2412-PASS





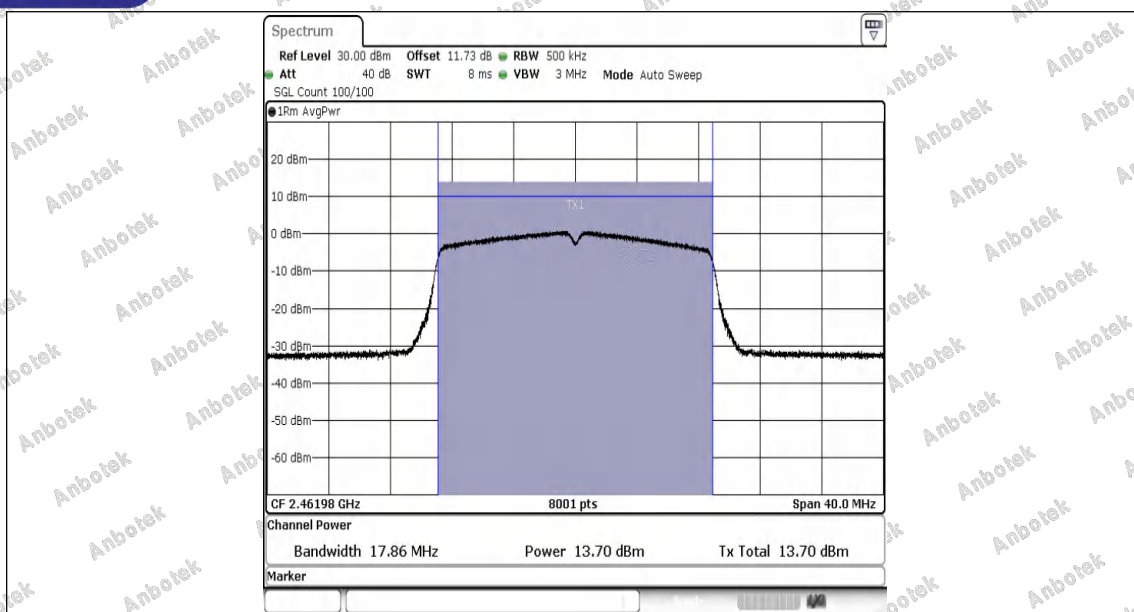


11N20SISO-Ant1-2412-PASS

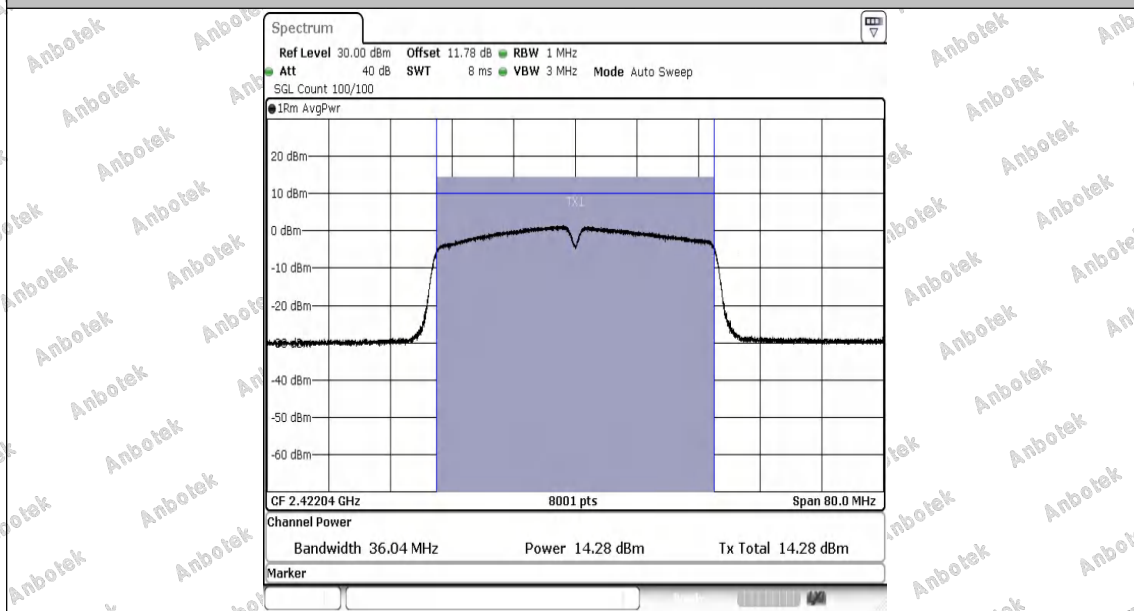


11N20SISO-Ant1-2437-PASS



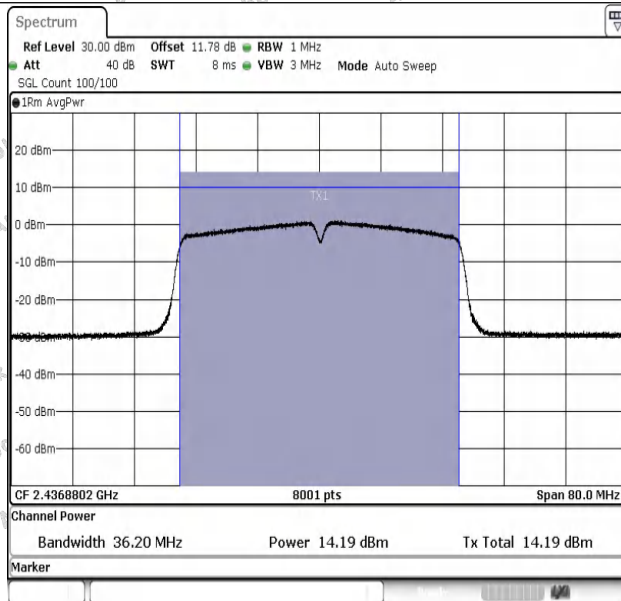


11N20SISO-Ant1-2462-PASS

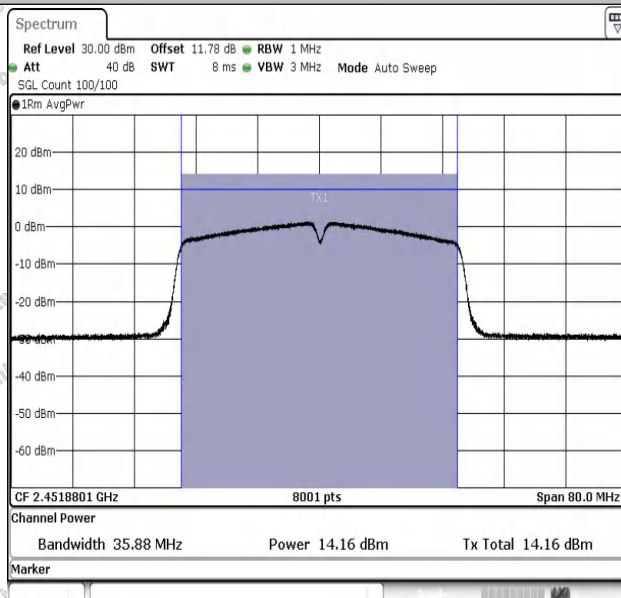


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



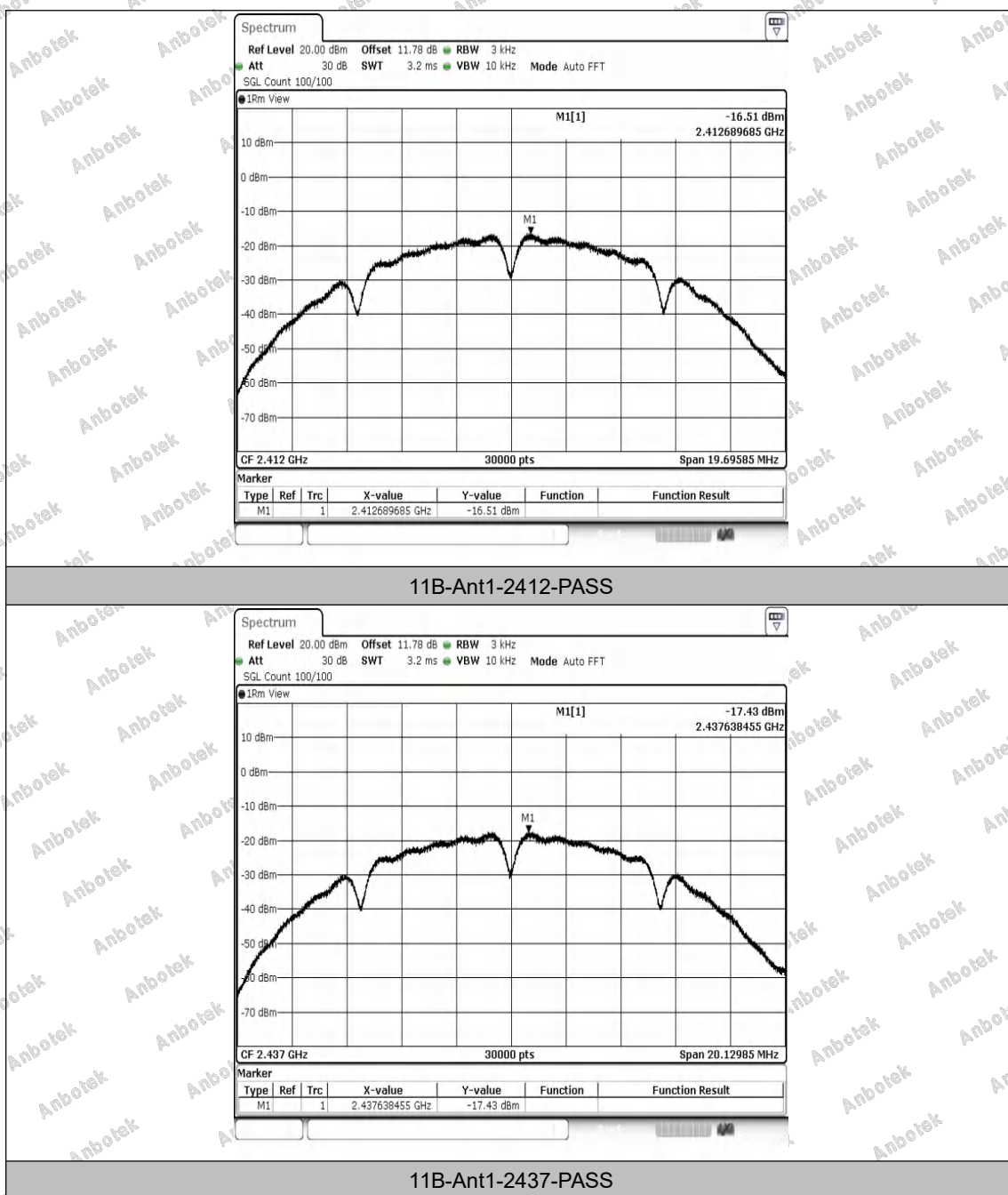
Appendix D: Maximum power spectral density

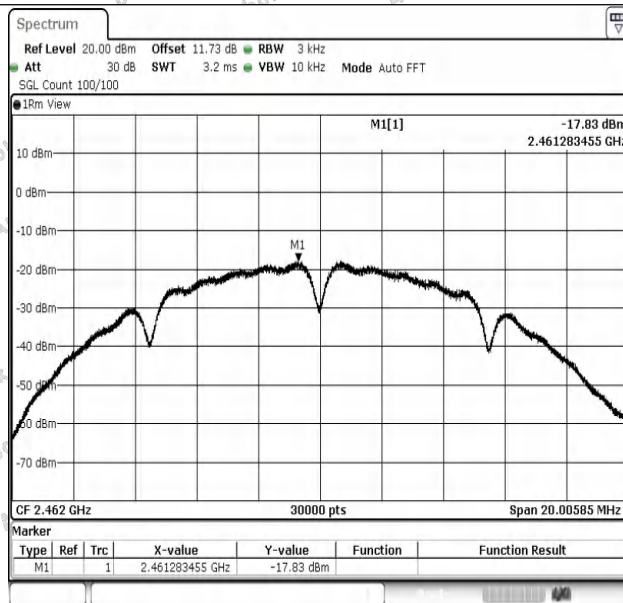
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.51	≤8.00	PASS
11B	Ant1	2437	-17.43	≤8.00	PASS
11B	Ant1	2462	-17.83	≤8.00	PASS
11G	Ant1	2412	-18.62	≤8.00	PASS
11G	Ant1	2437	-19.53	≤8.00	PASS
11G	Ant1	2462	-18.88	≤8.00	PASS
11N20SISO	Ant1	2412	-18.99	≤8.00	PASS
11N20SISO	Ant1	2437	-20.27	≤8.00	PASS
11N20SISO	Ant1	2462	-20.57	≤8.00	PASS
11N40SISO	Ant1	2422	-21.93	≤8.00	PASS
11N40SISO	Ant1	2437	-22.40	≤8.00	PASS
11N40SISO	Ant1	2452	-21.56	≤8.00	PASS

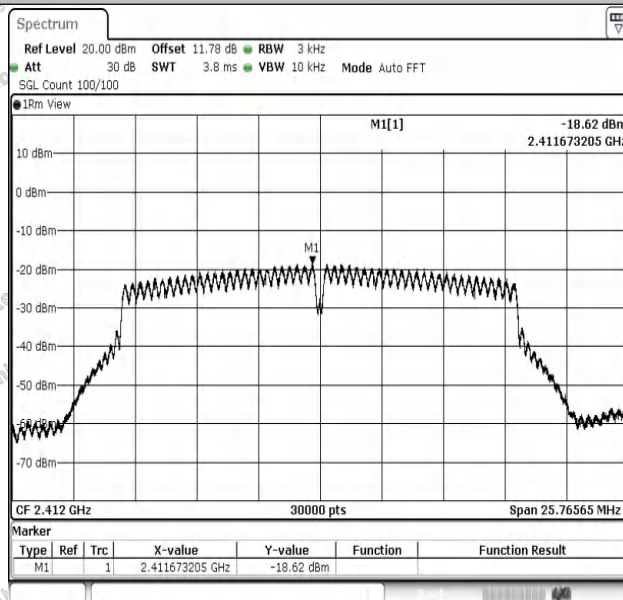


Test Graphs



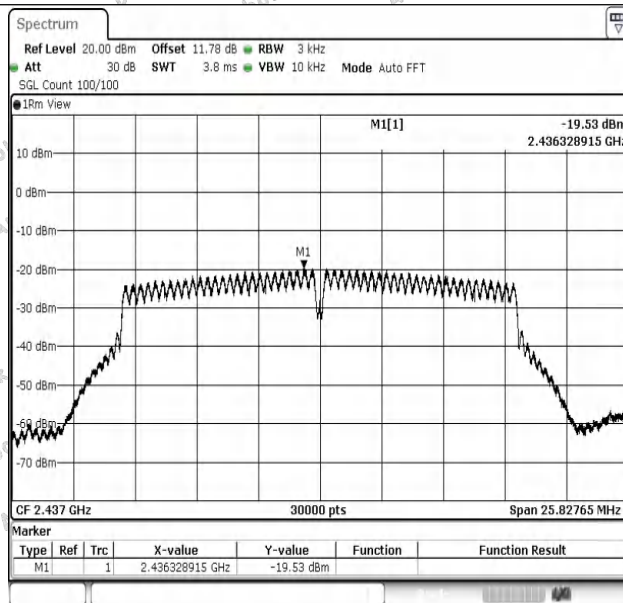


11B-Ant1-2462-PASS

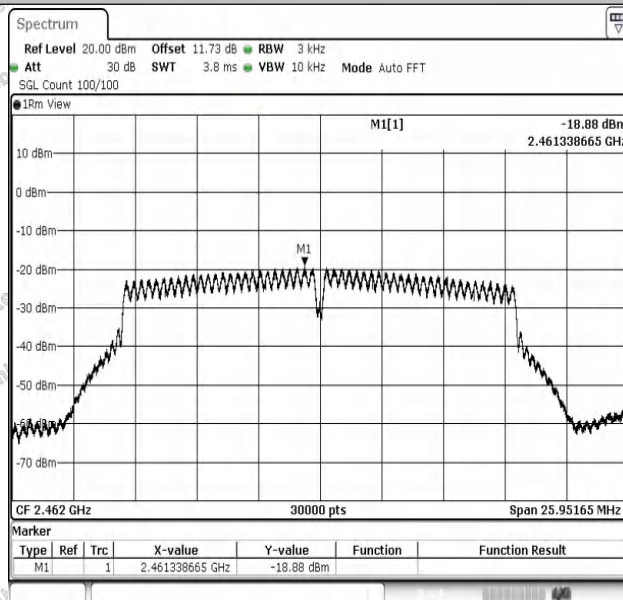


11G-Ant1-2412-PASS



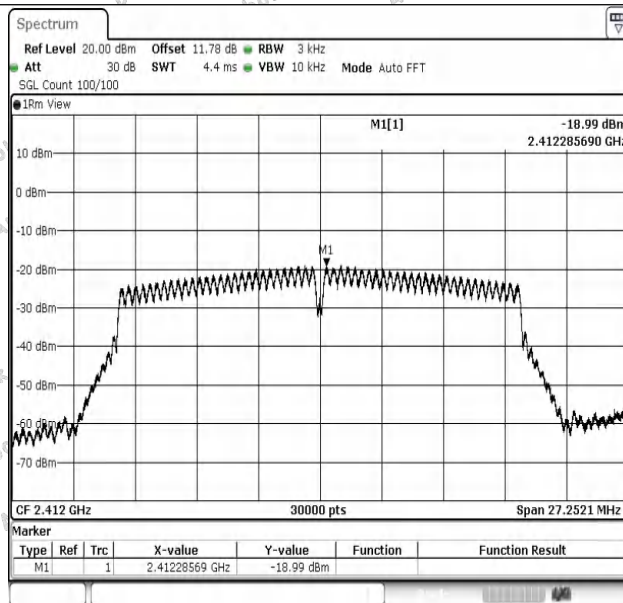


11G-Ant1-2437-PASS

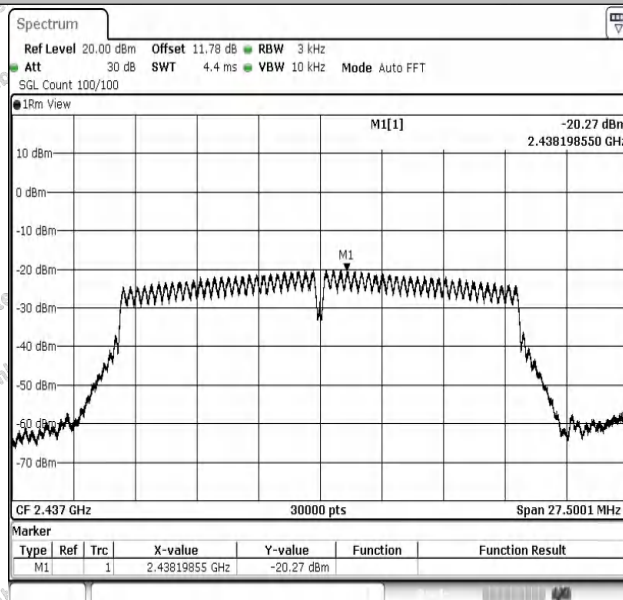


11G-Ant1-2462-PASS



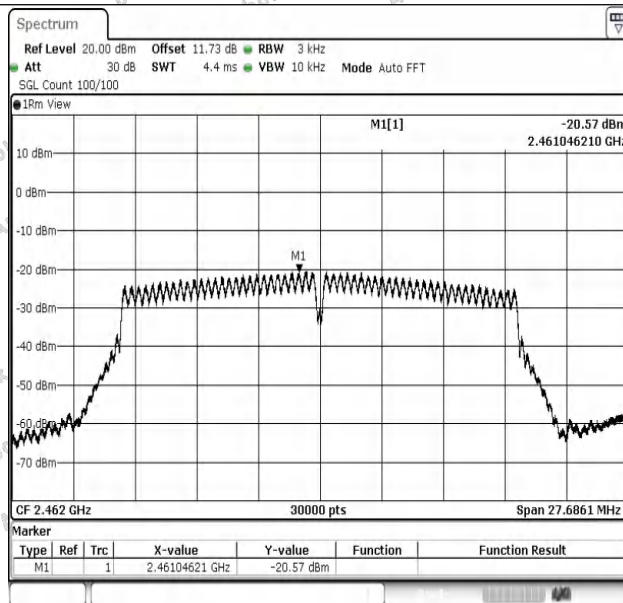


11N20SISO-Ant1-2412-PASS

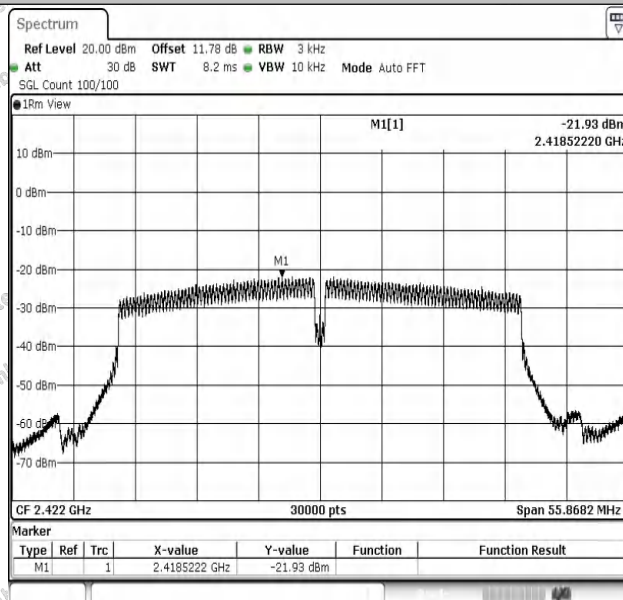


11N20SISO-Ant1-2437-PASS



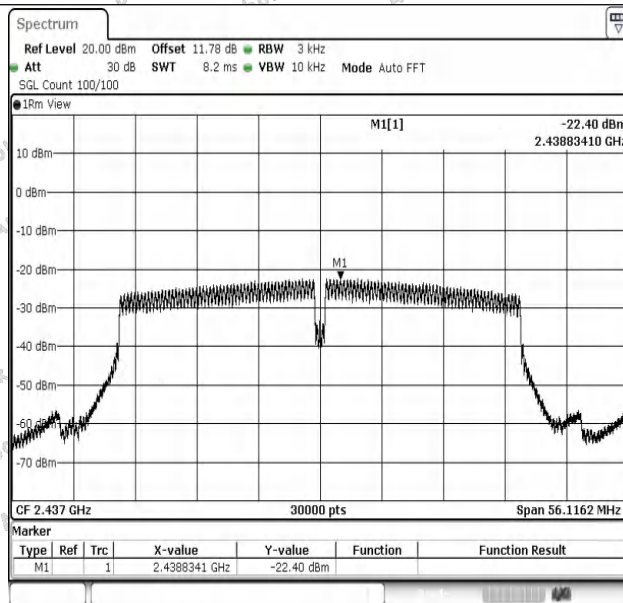


11N20SISO-Ant1-2462-PASS

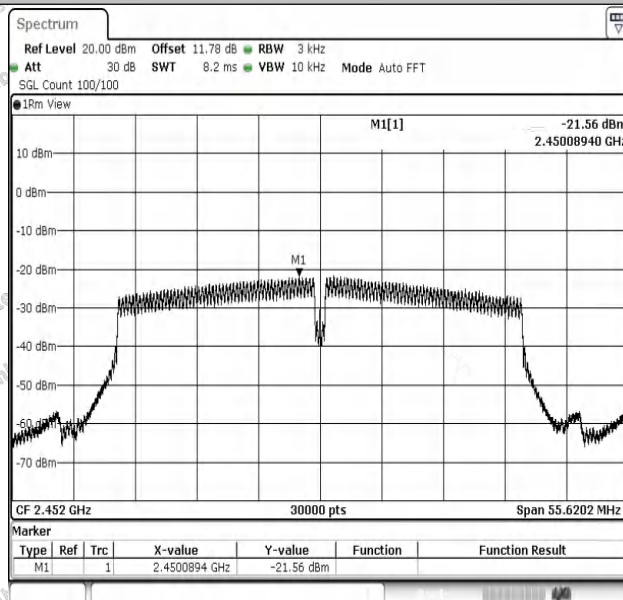


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



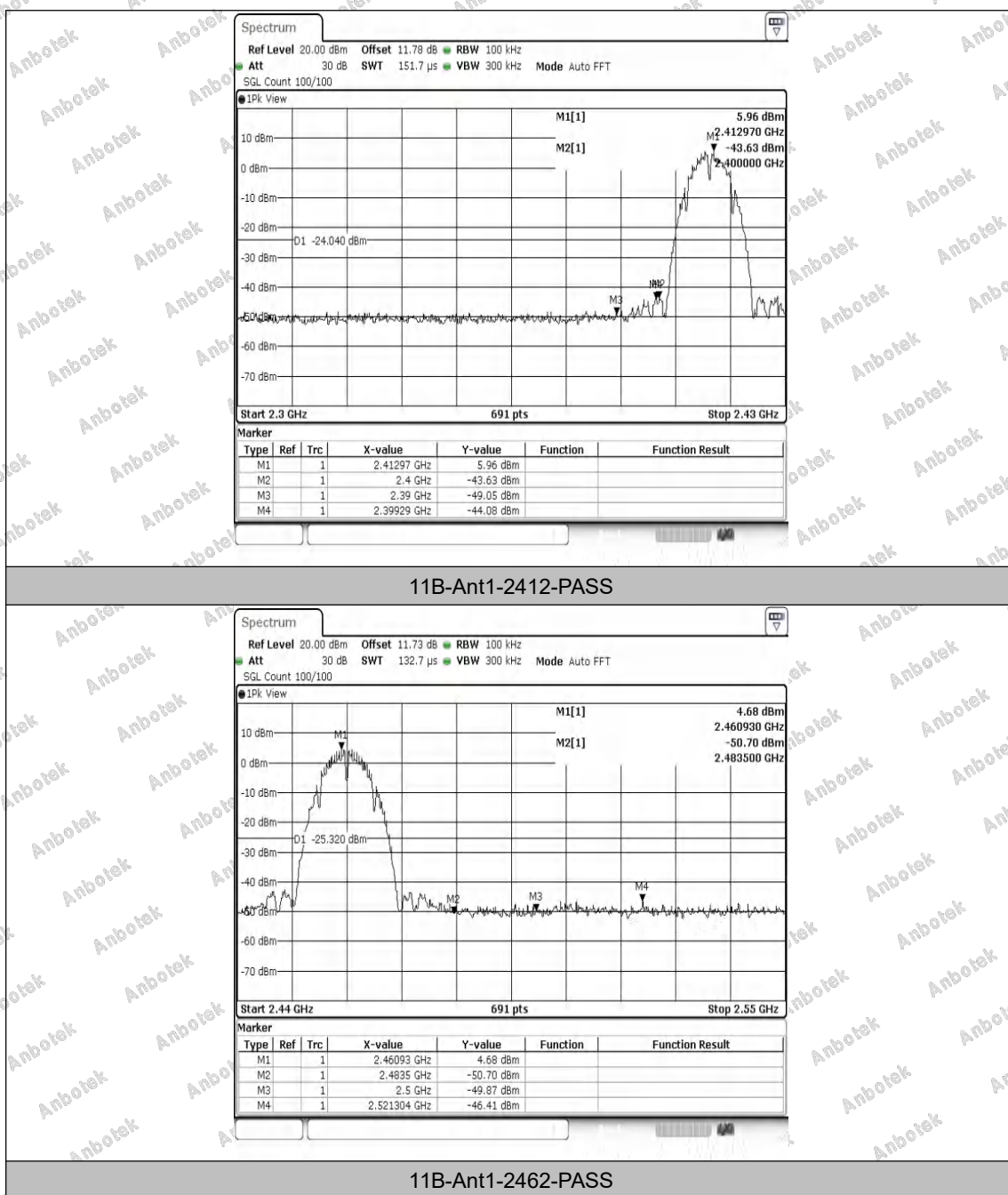
Appendix F: Band edge measurements

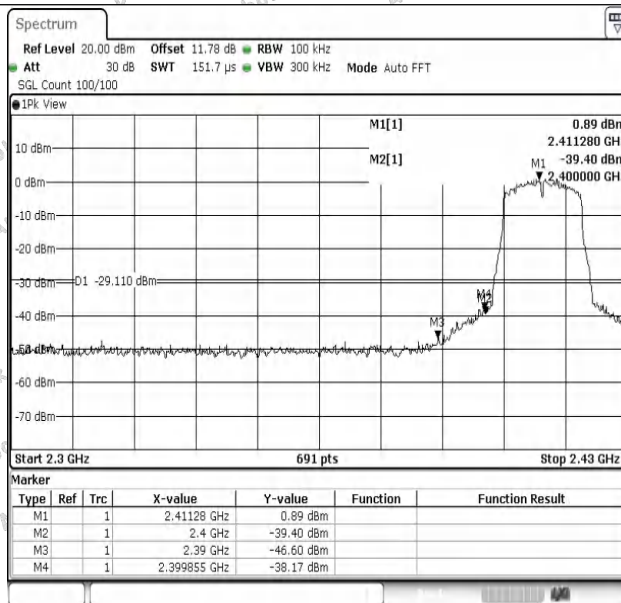
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.96	-44.08	≤-24.04	PASS
11B	Ant1	High	2462	4.68	-46.41	≤-25.32	PASS
11G	Ant1	Low	2412	0.89	-38.17	≤-29.11	PASS
11G	Ant1	High	2462	0.17	-44.76	≤-29.83	PASS
11N20SISO	Ant1	Low	2412	0.83	-38.5	≤-29.17	PASS
11N20SISO	Ant1	High	2462	-0.96	-44.85	≤-30.96	PASS
11N40SISO	Ant1	Low	2422	-2.33	-40.57	≤-32.33	PASS
11N40SISO	Ant1	High	2452	-2.26	-41.3	≤-32.26	PASS

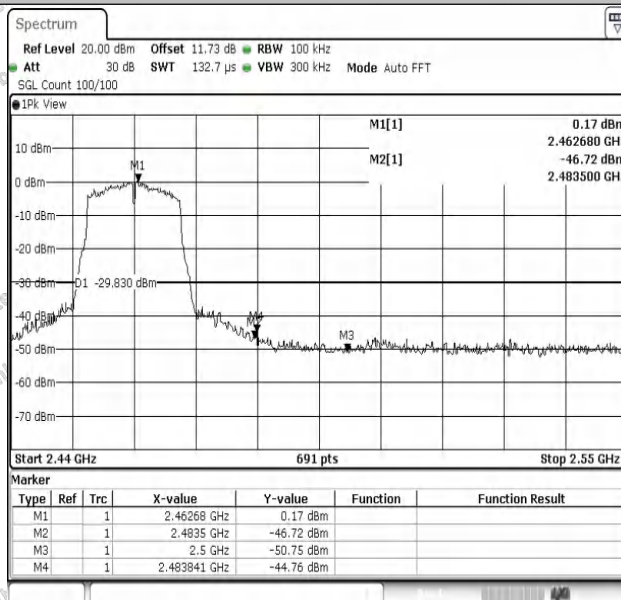


Test Graphs



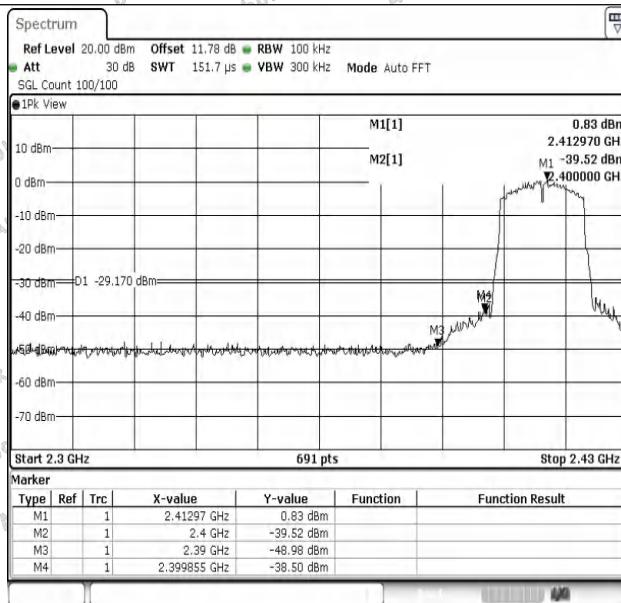


11G-Ant1-2412-PASS

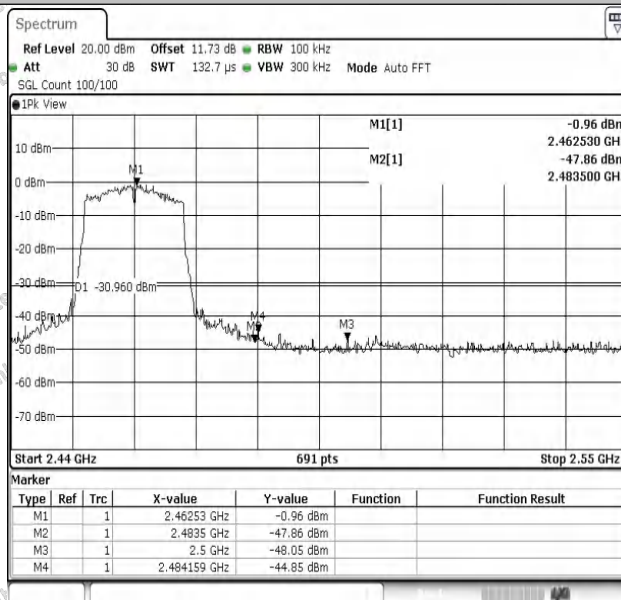


11G-Ant1-2462-PASS



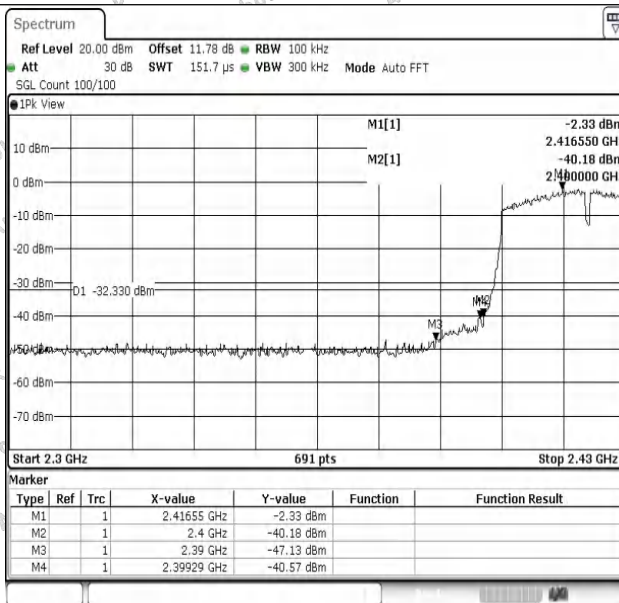


11N20SISO-Ant1-2412-PASS

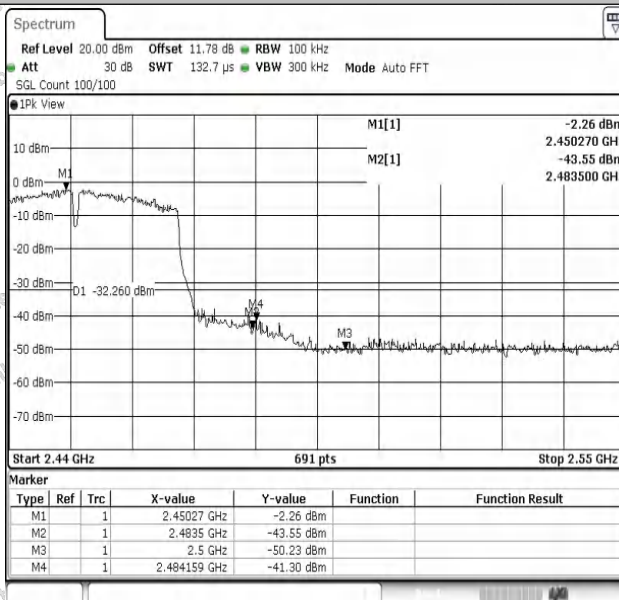


11N20SISO-Ant1-2462-PASS





11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



Appendix E: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.11	3.11	---	PASS
11B	Ant1	2412	30~1000	3.11	-56.98	≤-26.89	PASS
11B	Ant1	2412	1000~26500	3.11	-43.93	≤-26.89	PASS
11B	Ant1	2437	0~Reference	2.43	2.43	---	PASS
11B	Ant1	2437	30~1000	2.43	-57.77	≤-27.57	PASS
11B	Ant1	2437	1000~26500	2.43	-44.1	≤-27.57	PASS
11B	Ant1	2462	0~Reference	2.67	2.67	---	PASS
11B	Ant1	2462	30~1000	2.67	-56.98	≤-27.33	PASS
11B	Ant1	2462	1000~26500	2.67	-44.15	≤-27.33	PASS
11G	Ant1	2412	0~Reference	0.38	0.38	---	PASS
11G	Ant1	2412	30~1000	0.38	-57.6	≤-29.62	PASS
11G	Ant1	2412	1000~26500	0.38	-44.15	≤-29.62	PASS
11G	Ant1	2437	0~Reference	-0.18	-0.18	---	PASS
11G	Ant1	2437	30~1000	-0.18	-57.87	≤-30.18	PASS
11G	Ant1	2437	1000~26500	-0.18	-43.89	≤-30.18	PASS
11G	Ant1	2462	0~Reference	-0.52	-0.52	---	PASS
11G	Ant1	2462	30~1000	-0.52	-57.86	≤-30.52	PASS
11G	Ant1	2462	1000~26500	-0.52	-43.74	≤-30.52	PASS
11N20SISO	Ant1	2412	0~Reference	0.61	0.61	---	PASS
11N20SISO	Ant1	2412	30~1000	0.61	-58.39	≤-29.39	PASS
11N20SISO	Ant1	2412	1000~26500	0.61	-44.19	≤-29.39	PASS
11N20SISO	Ant1	2437	0~Reference	-0.26	-0.26	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.26	-57.45	≤-30.26	PASS
11N20SISO	Ant1	2437	1000~26500	-0.26	-43.75	≤-30.26	PASS
11N20SISO	Ant1	2462	0~Reference	-1.60	-1.60	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.60	-57.85	≤-31.6	PASS
11N20SISO	Ant1	2462	1000~26500	-1.60	-43.83	≤-31.6	PASS
11N40SISO	Ant1	2422	0~Reference	-3.23	-3.23	---	PASS
11N40SISO	Ant1	2422	30~1000	-3.23	-57.76	≤-33.23	PASS
11N40SISO	Ant1	2422	1000~26500	-3.23	-43.87	≤-33.23	PASS
11N40SISO	Ant1	2437	0~Reference	-3.00	-3.00	---	PASS
11N40SISO	Ant1	2437	30~1000	-3.00	-57.49	≤-33	PASS
11N40SISO	Ant1	2437	1000~26500	-3.00	-43.2	≤-33	PASS
11N40SISO	Ant1	2452	0~Reference	-2.90	-2.90	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.90	-57.53	≤-32.9	PASS
11N40SISO	Ant1	2452	1000~26500	-2.90	-43.82	≤-32.9	PASS

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

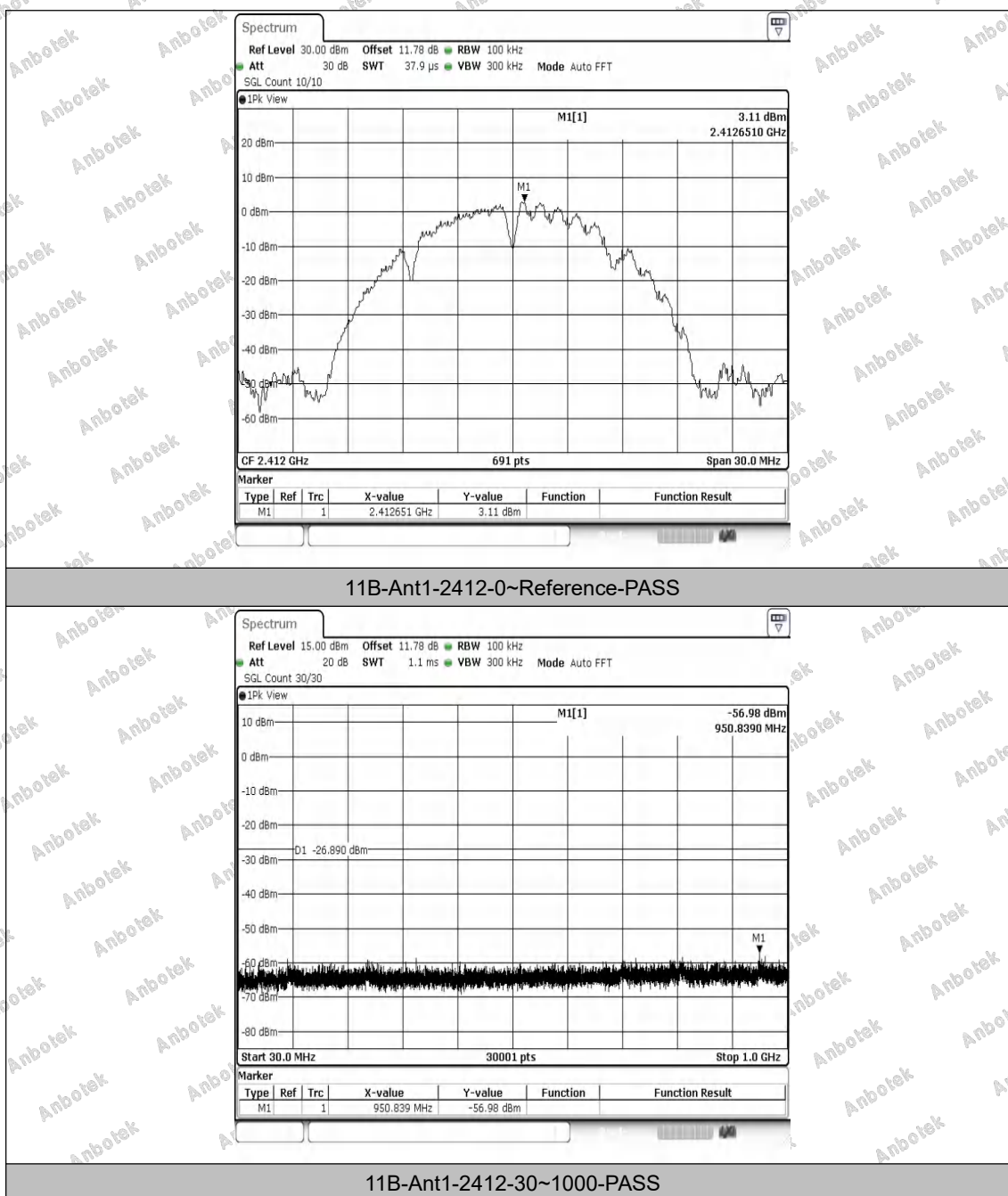


Hotline
400-003-0500

www.anbotek.com



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

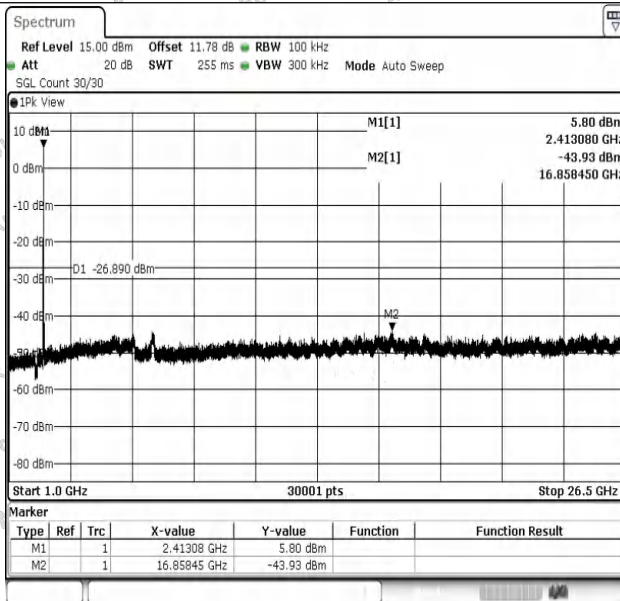
Tel: (86) 0755-26066440 Email: service@anbotek.com



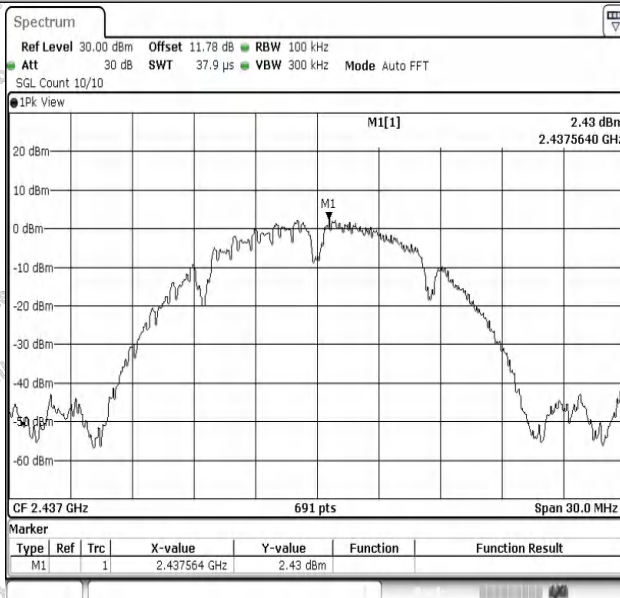
Hotline
400-003-0500

www.anbotek.com



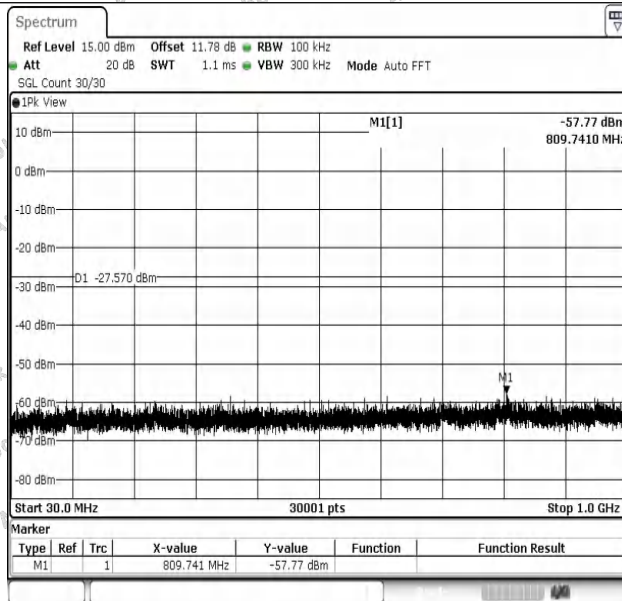


11B-Ant1-2412-1000~26500-PASS

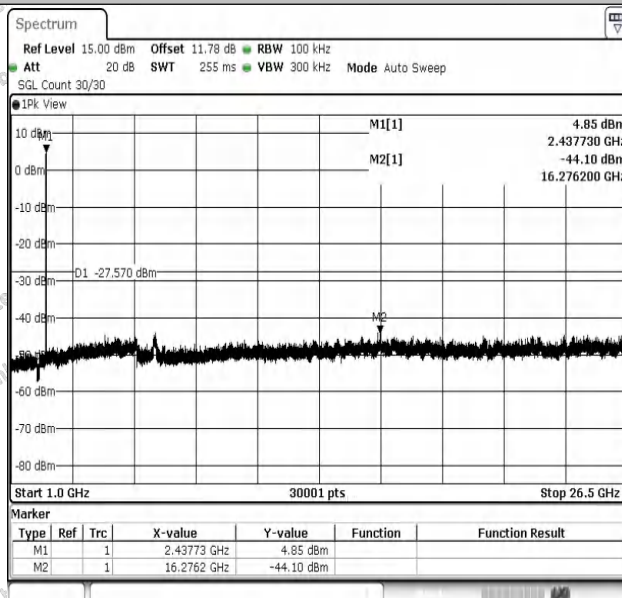


11B-Ant1-2437-0~Reference-PASS



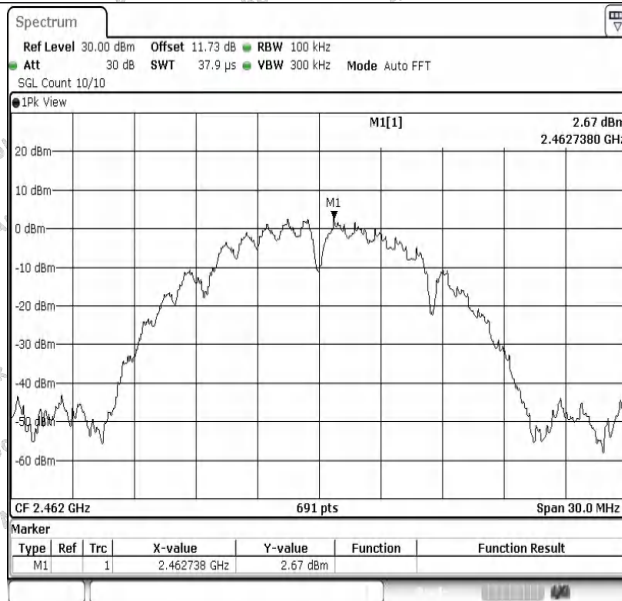


11B-Ant1-2437-30~1000-PASS

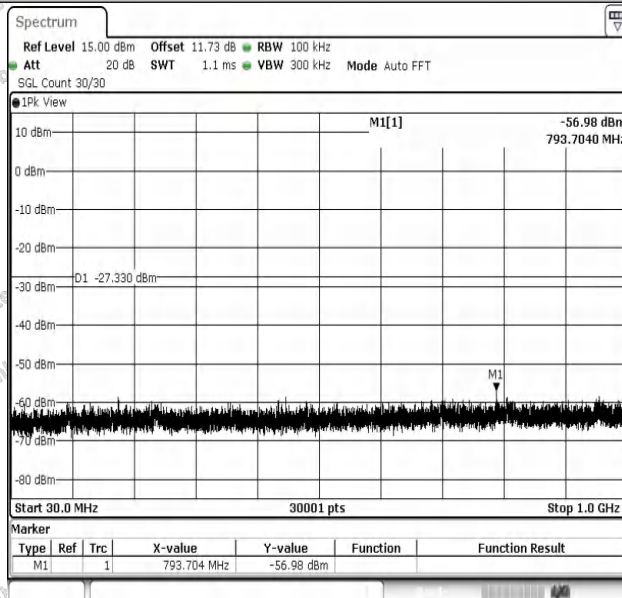


11B-Ant1-2437-1000~26500-PASS



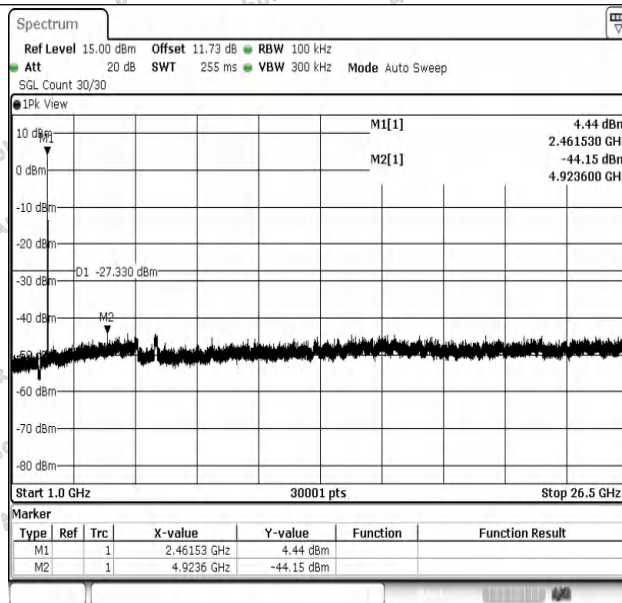


11B-Ant1-2462-0~Reference-PASS

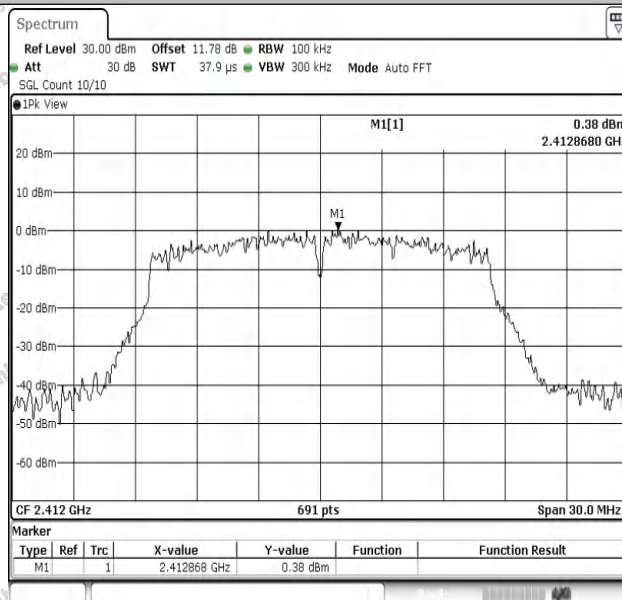


11B-Ant1-2462-30~1000-PASS



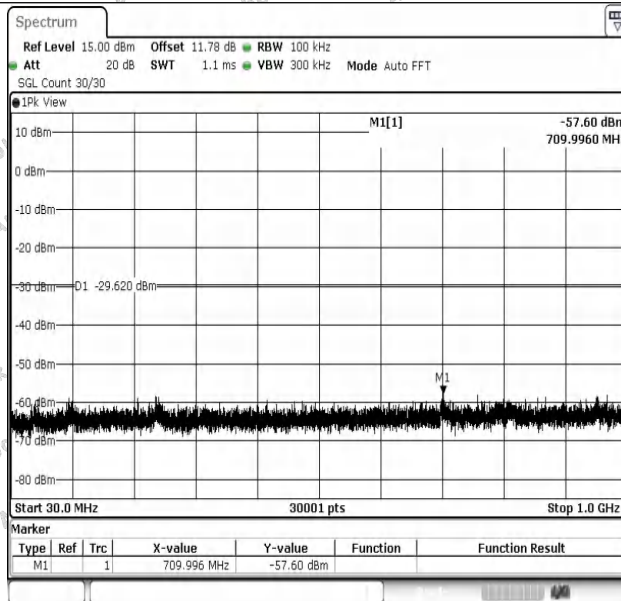


11B-Ant1-2462-1000~26500-PASS

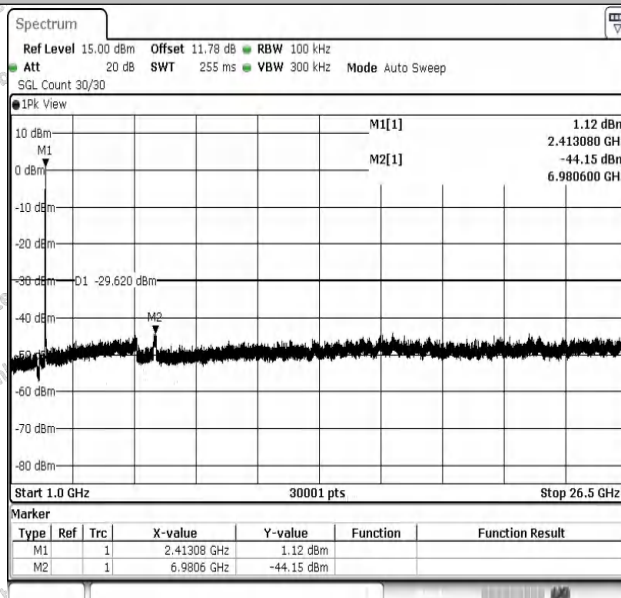


11G-Ant1-2412-0~Reference-PASS



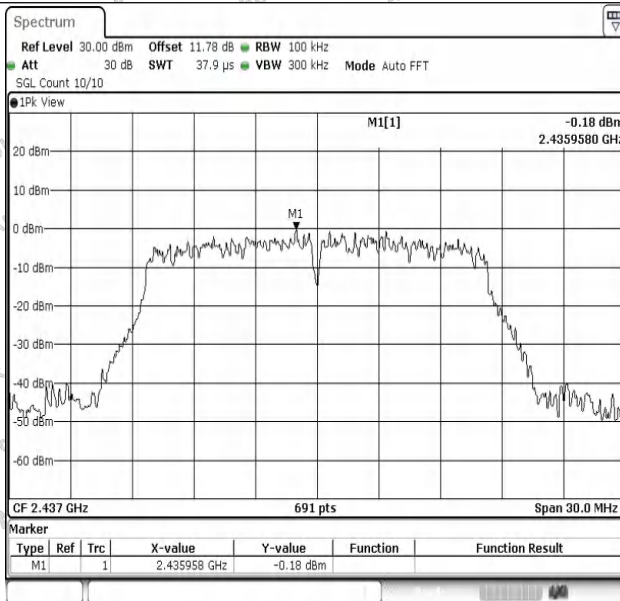


11G-Ant1-2412-30~1000-PASS

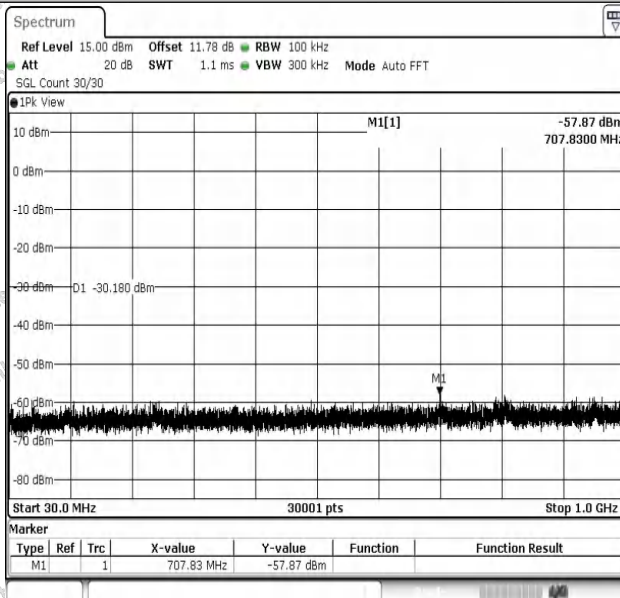


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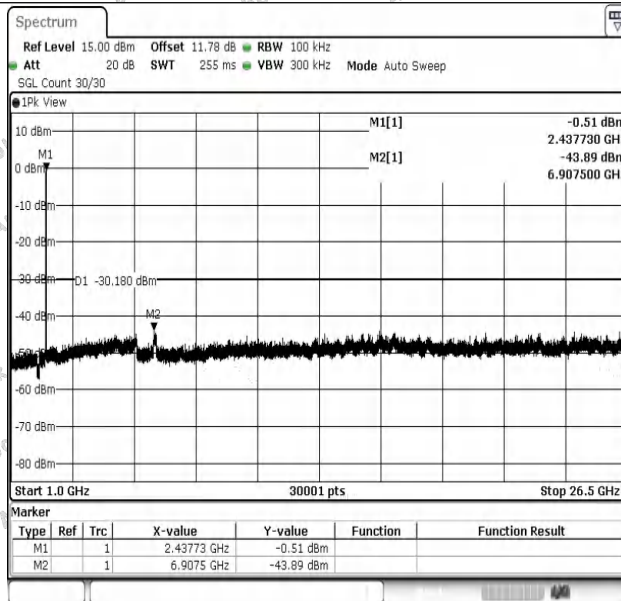


11G-Ant1-2437-0~Reference-PASS

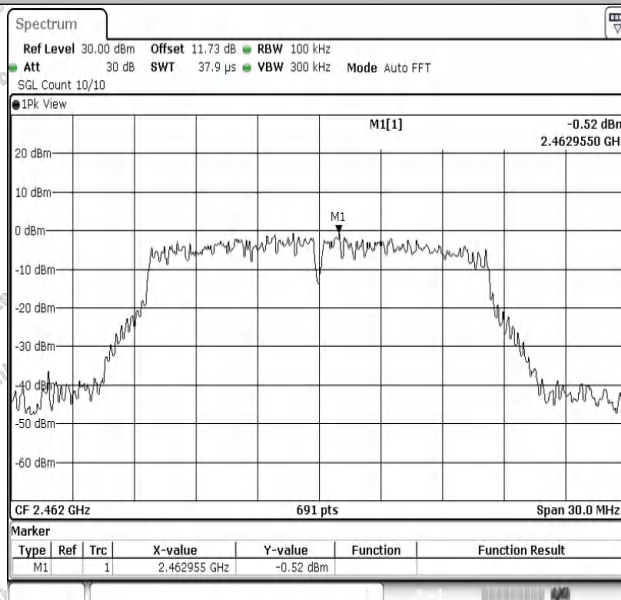


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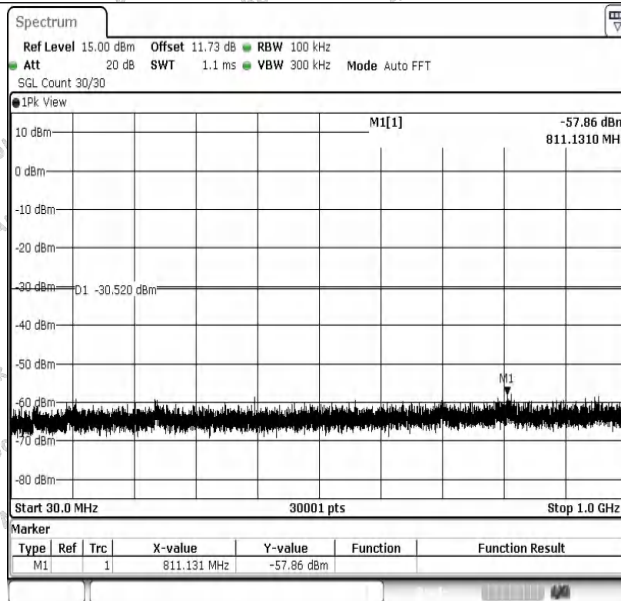


11G-Ant1-2437-1000~26500-PASS

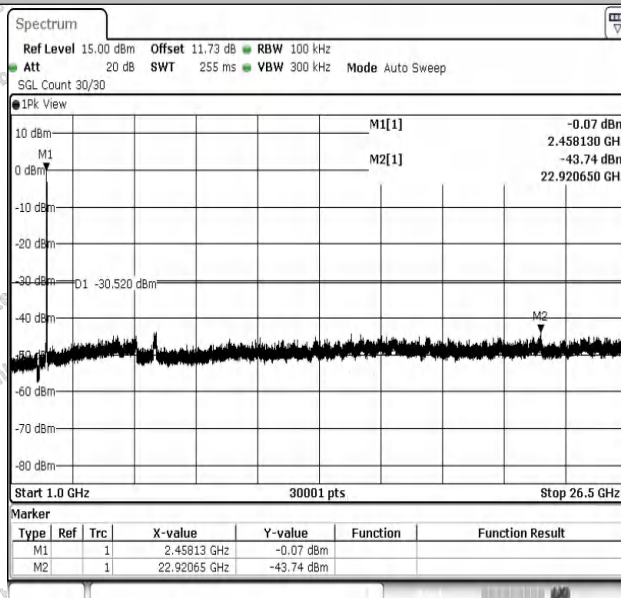


11G-Ant1-2462-0~Reference-PASS



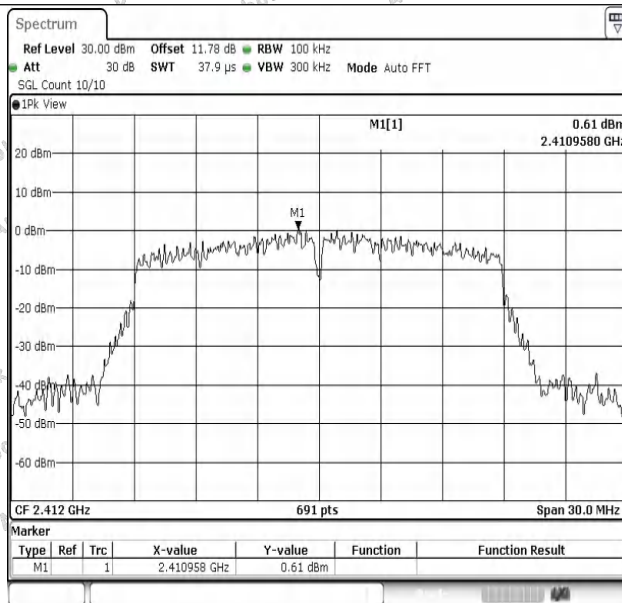


11G-Ant1-2462-30~1000-PASS

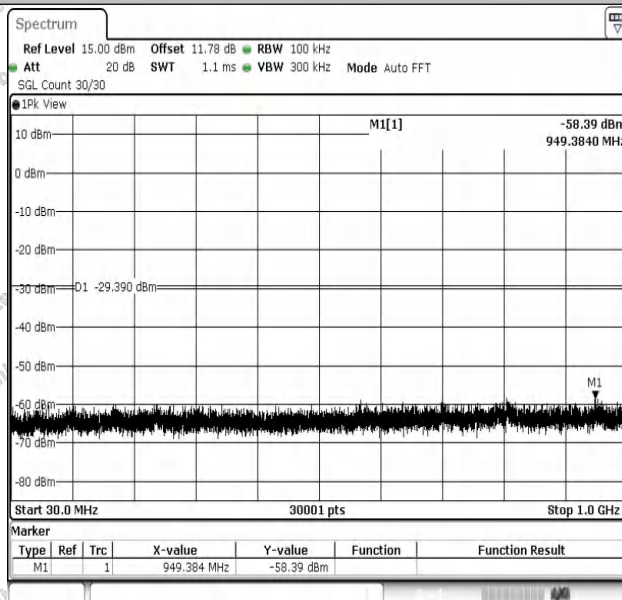


11G-Ant1-2462-1000~26500-PASS



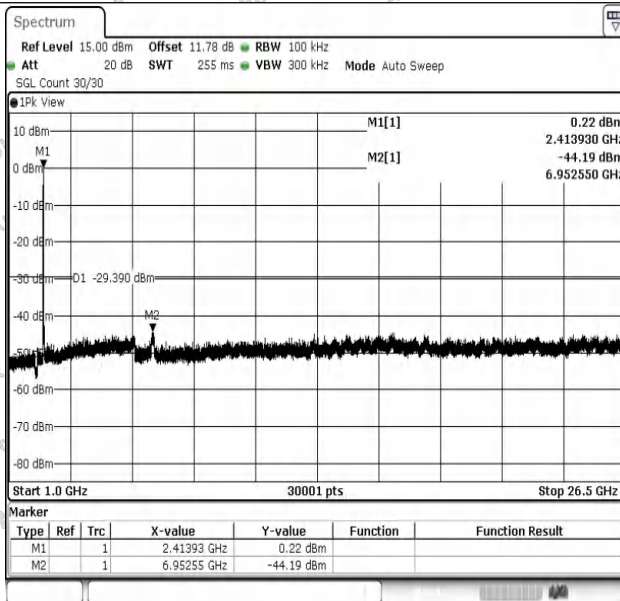


11N20SISO-Ant1-2412-0~Reference-PASS

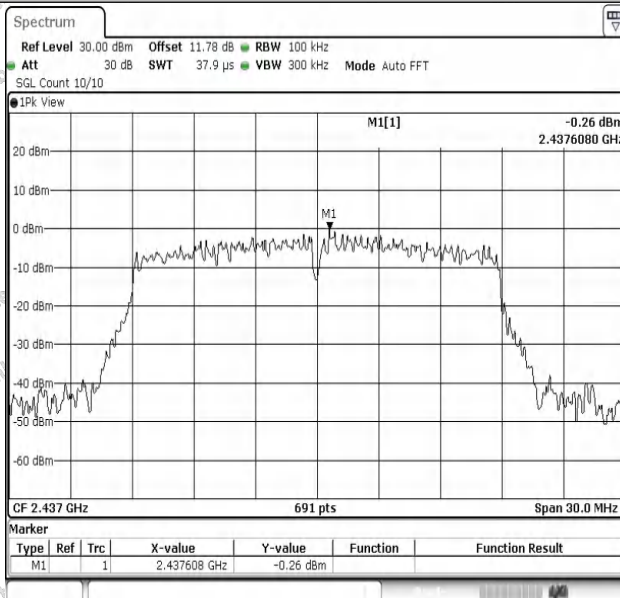


11N20SISO-Ant1-2412-30~1000-PASS



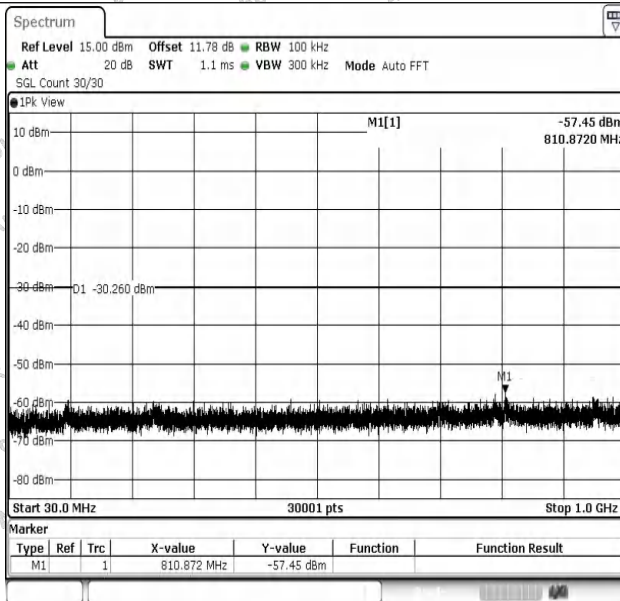


11N20SISO-Ant1-2412-1000~26500-PASS

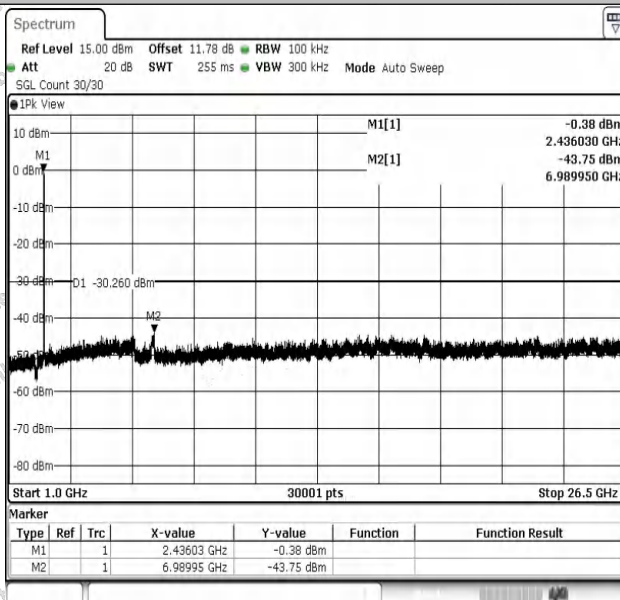


11N20SISO-Ant1-2437-0~Reference-PASS



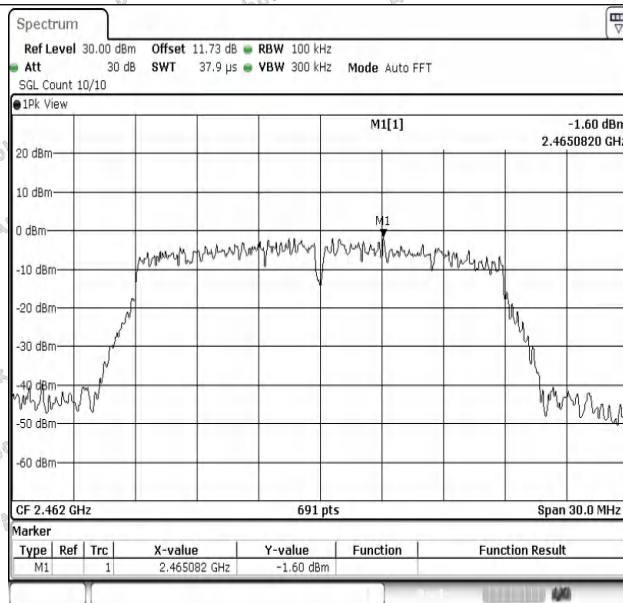


11N20SISO-Ant1-2437-30~1000-PASS

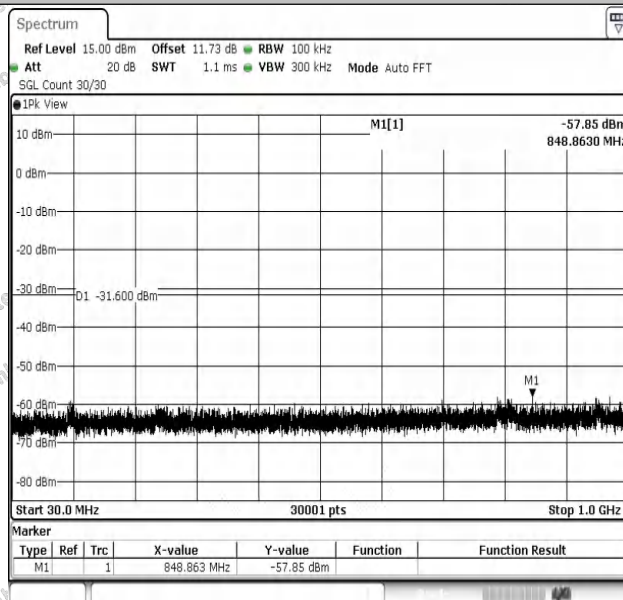


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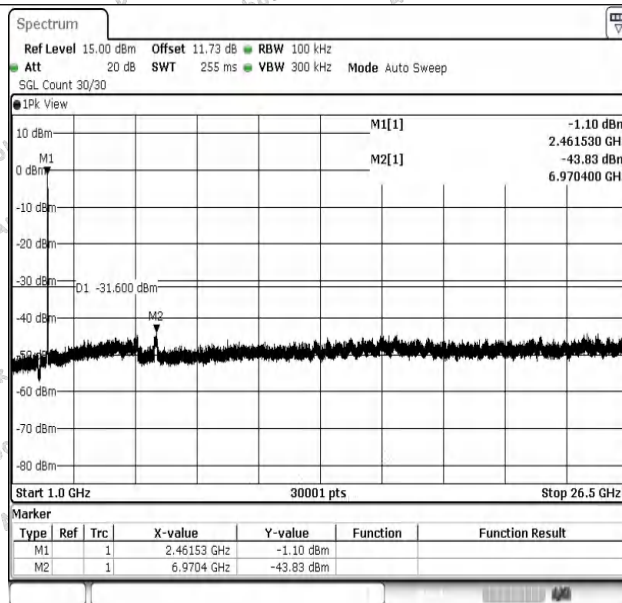


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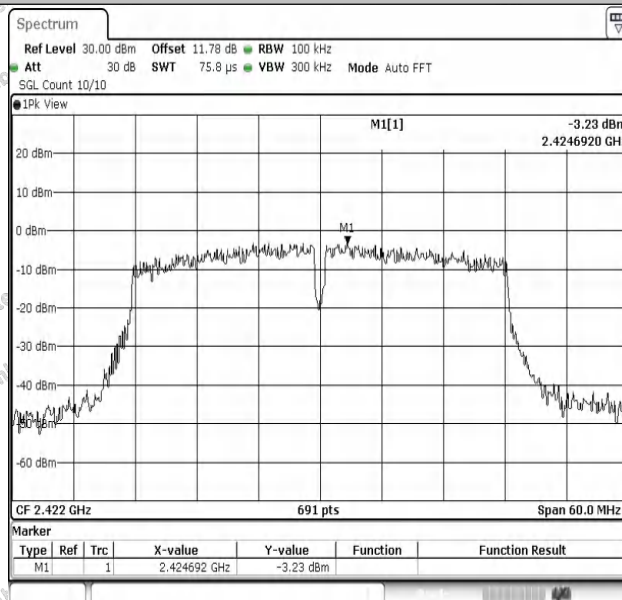


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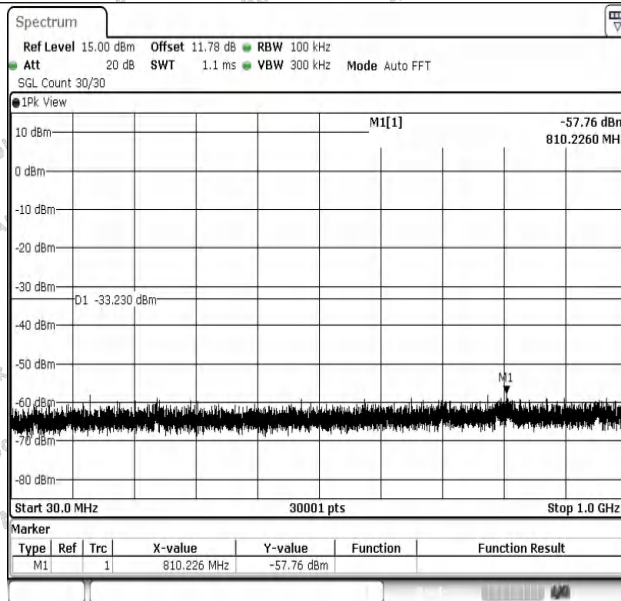


11N20SISO-Ant1-2462-1000~26500-PASS

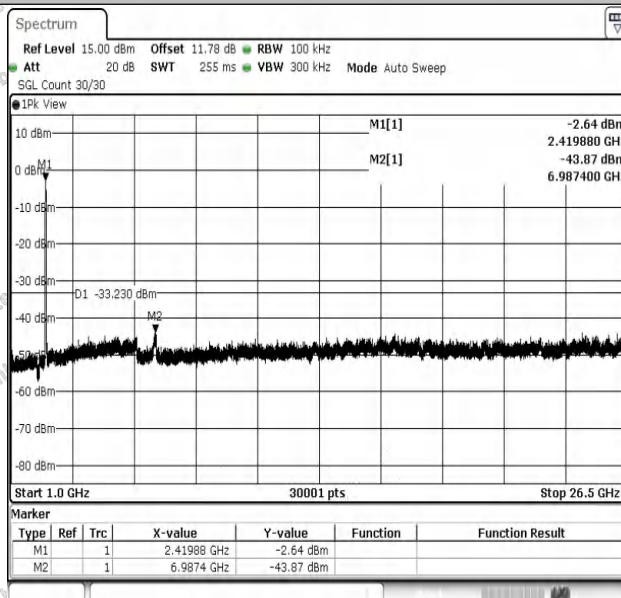


11N40SISO-Ant1-2422-0~Reference-PASS



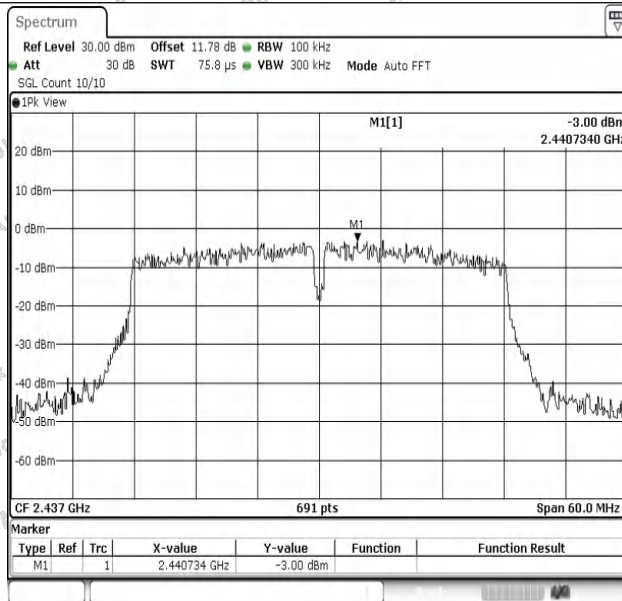


11N40SISO-Ant1-2422-30~1000-PASS

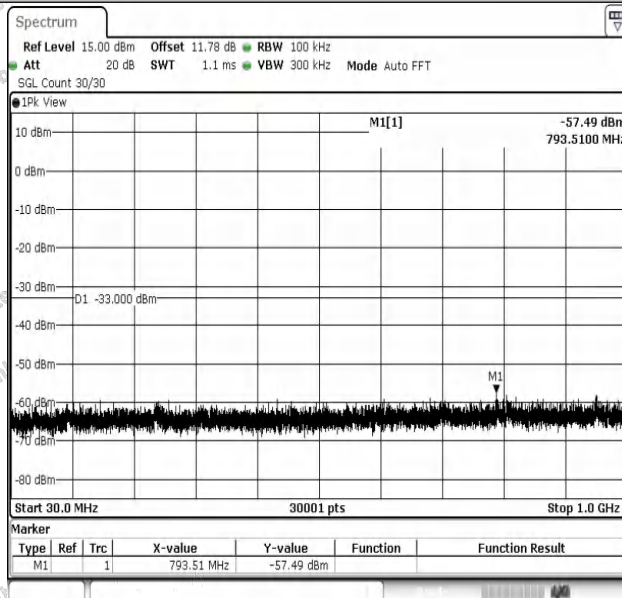


11N40SISO-Ant1-2422-1000~26500-PASS



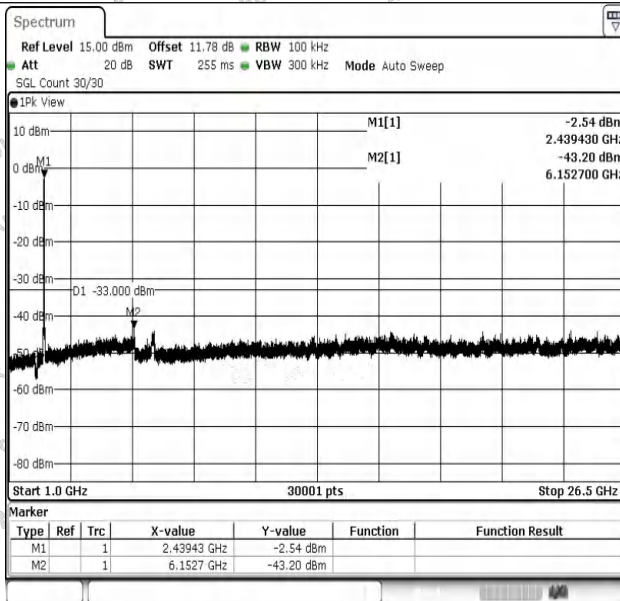


11N40SISO-Ant1-2437-0~Reference-PASS

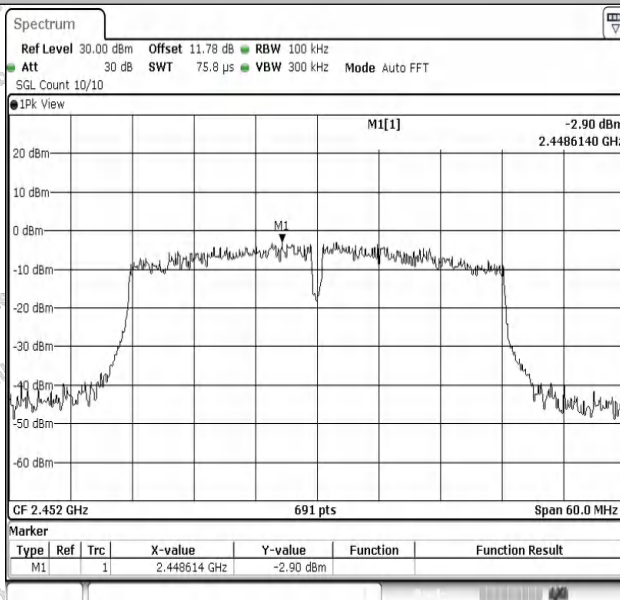


11N40SISO-Ant1-2437-30~1000-PASS



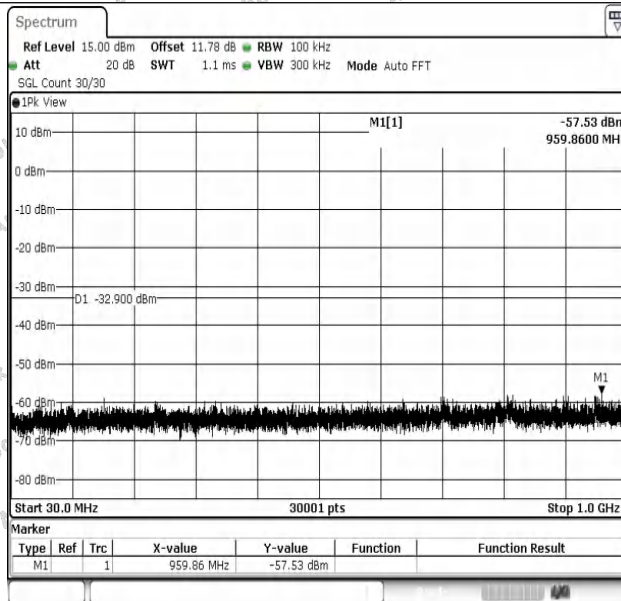


11N40SISO-Ant1-2437-1000~26500-PASS

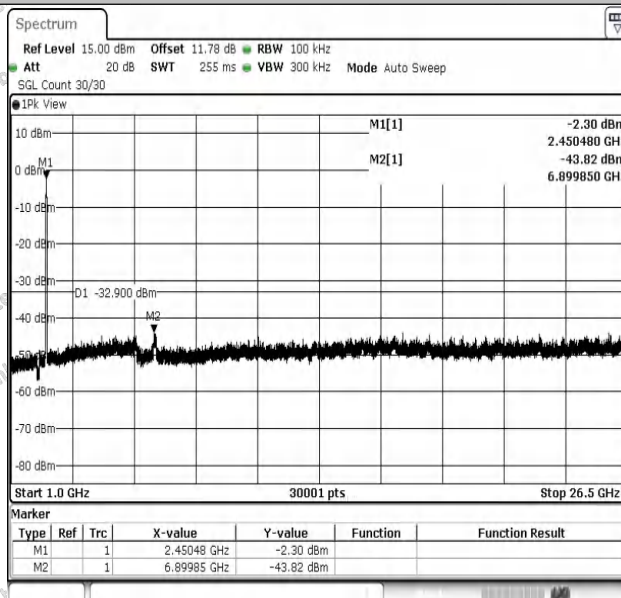


11N40SISO-Ant1-2452-0~Reference-PASS





11N40SISO-Ant1-2452-30~1000-PASS



11N40SISO-Ant1-2452-1000~26500-PASS



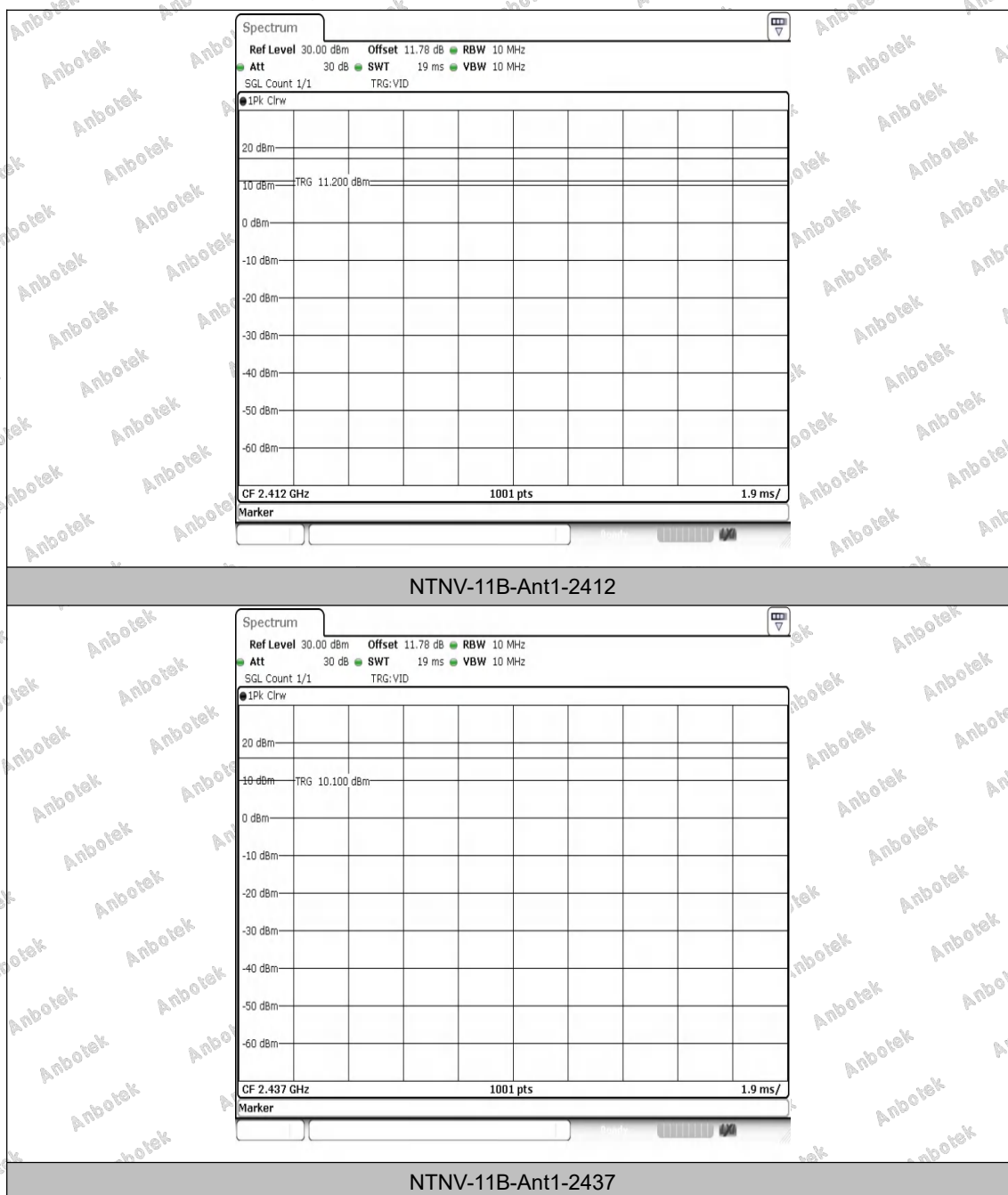
Appendix F: Duty Cycle

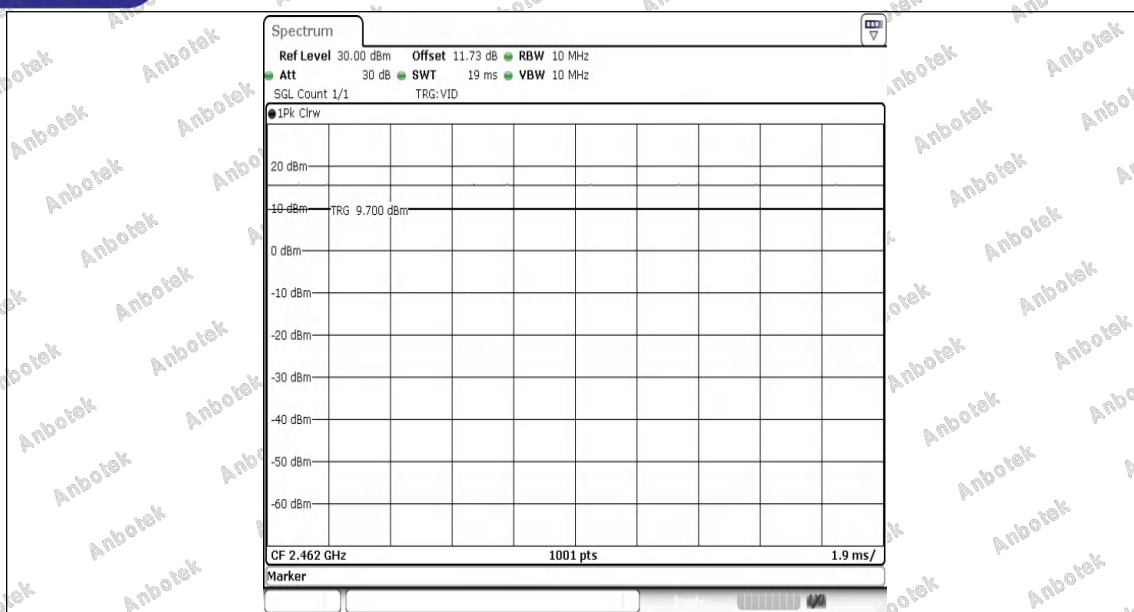
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1	2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2462	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2422	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2452	19.00	19.00	100.00	0.00

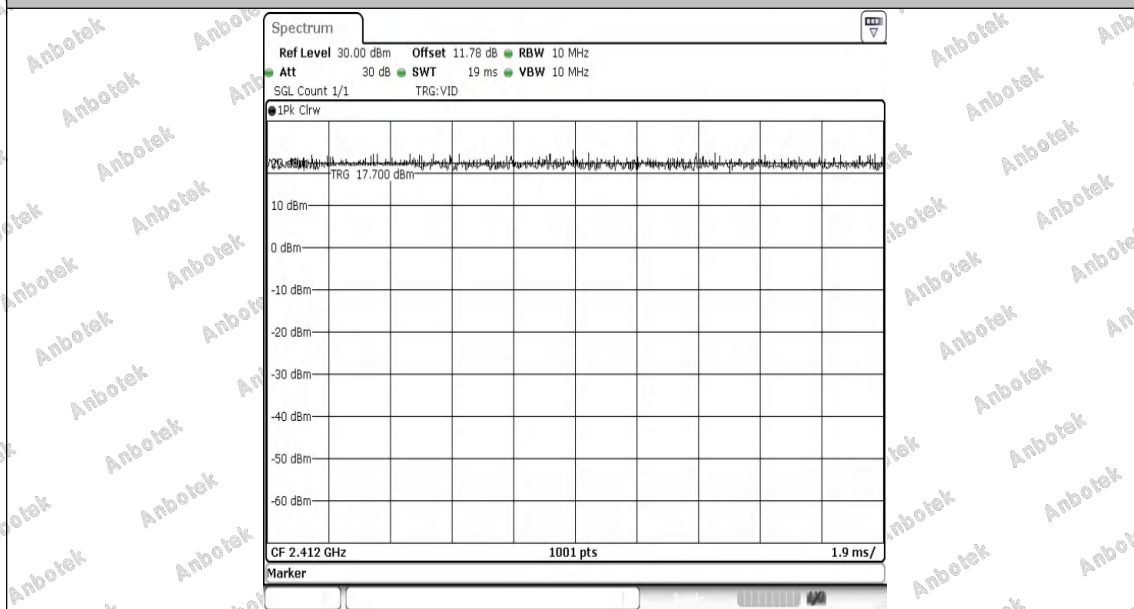


Test Graphs



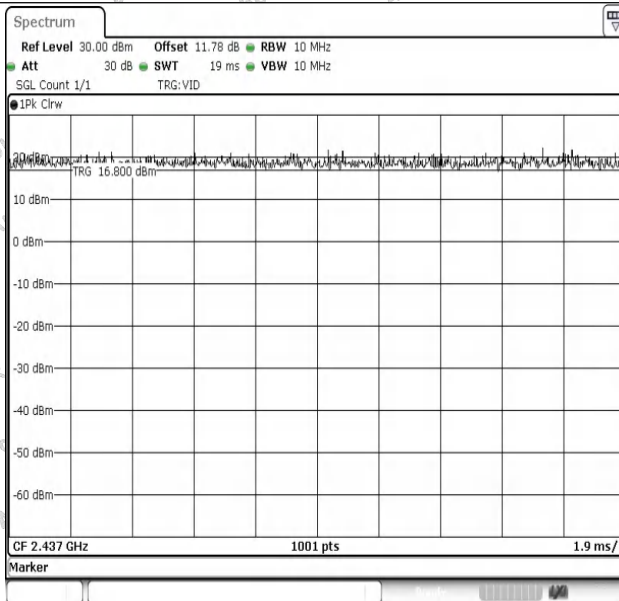


NTNV-11B-Ant1-2462

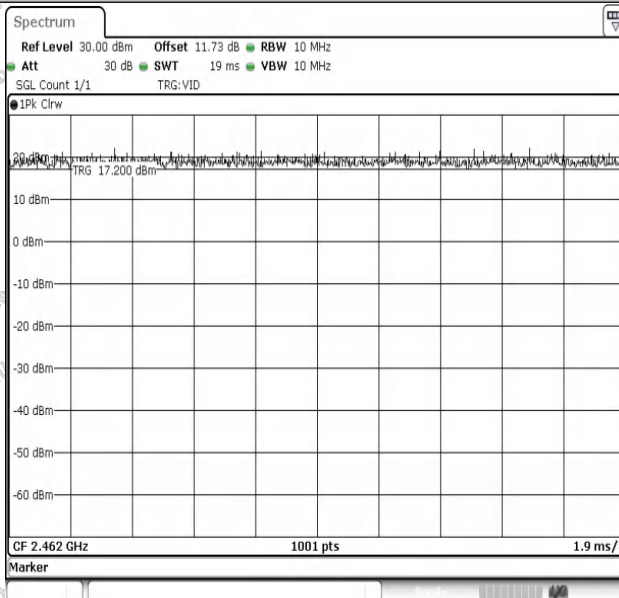


NTNV-11G-Ant1-2412



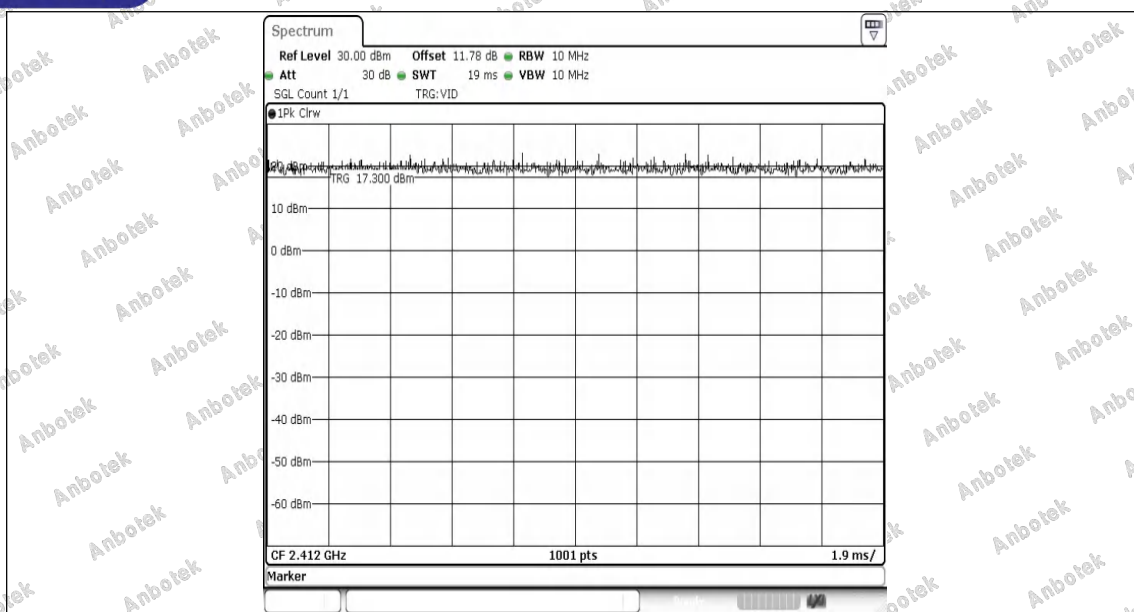


NTNV-11G-Ant1-2437

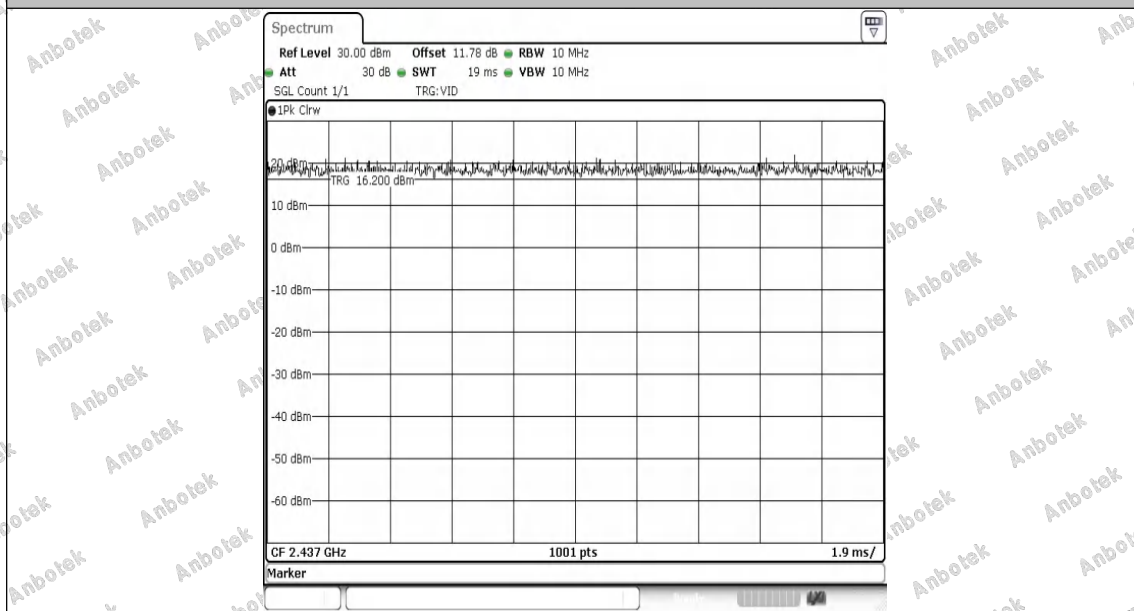


NTNV-11G-Ant1-2462



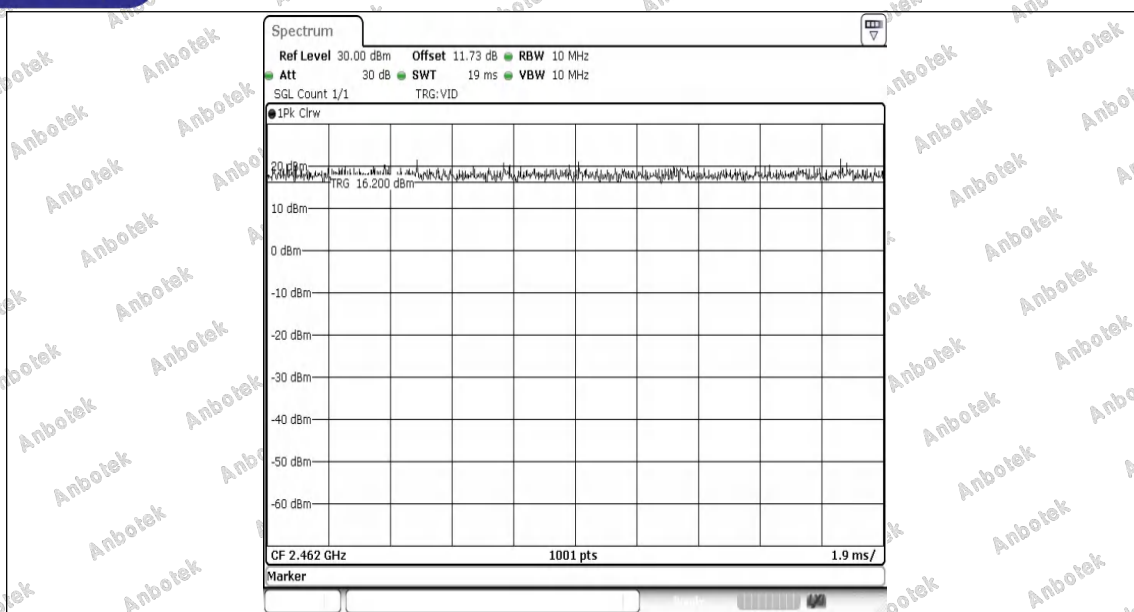


NTVN-11N20SISO-Ant1-2412

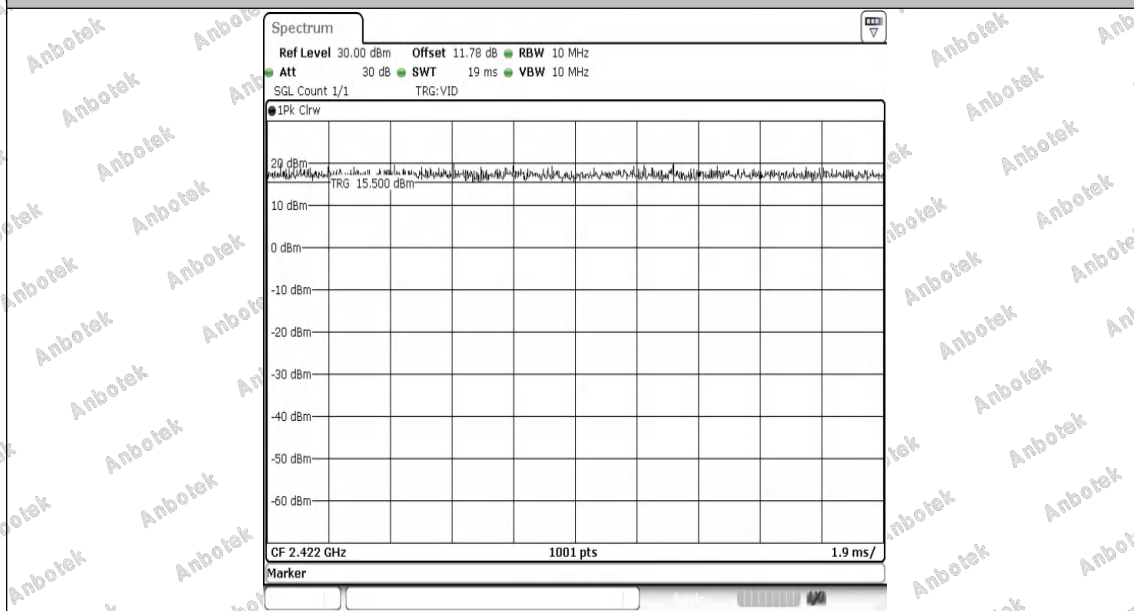


NTVN-11N20SISO-Ant1-2437



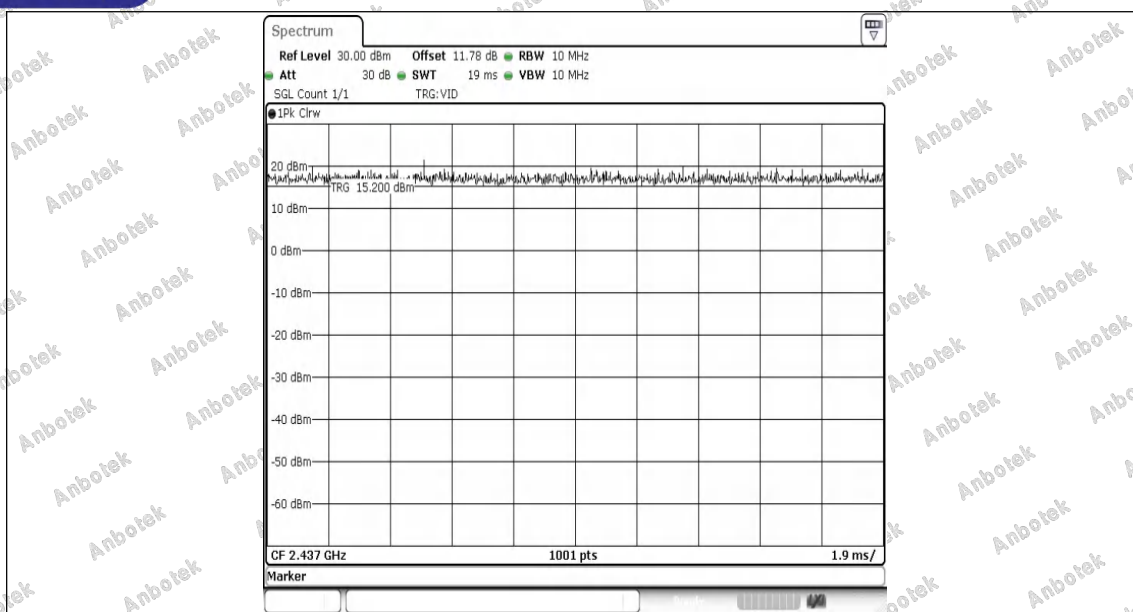


NTNV-11N20SISO-Ant1-2462

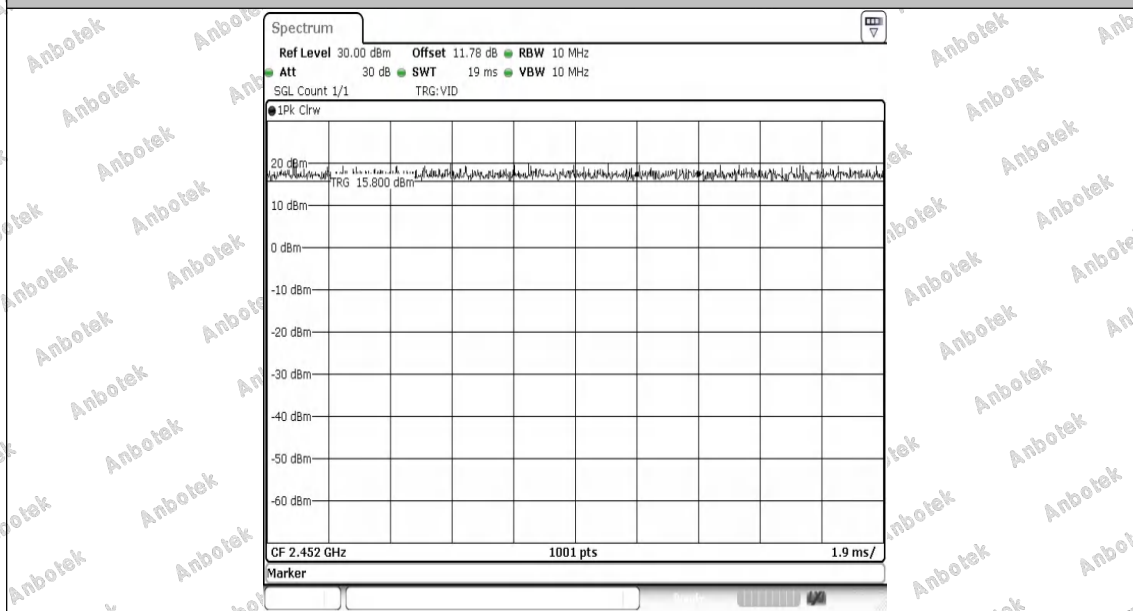


NTNV-11N40SISO-Ant1-2422





NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

---END---

