

Appendix Test Data

Report No:	1812C40008312503	Test Sample NO:	1-2-2
Start Test Date:	2024.08.20	Finish Test Date:	2024.09.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25℃	Relative Humidity:	53%
Pressure:	101 kPa		

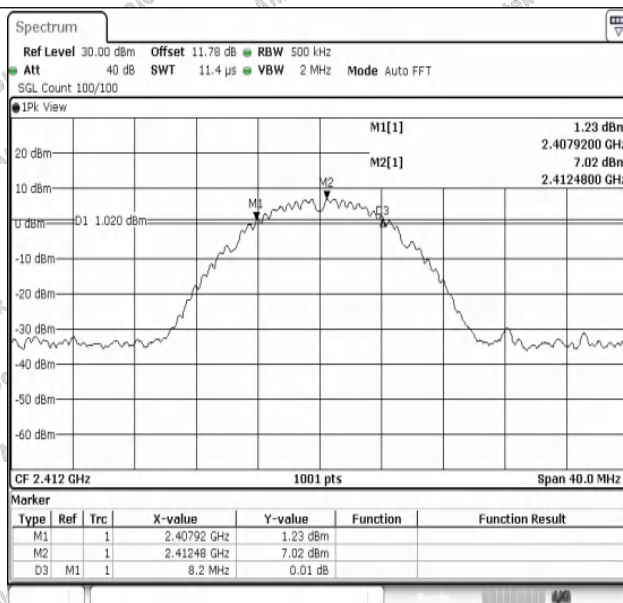
Appendix A: DTS Bandwidth

Test Result

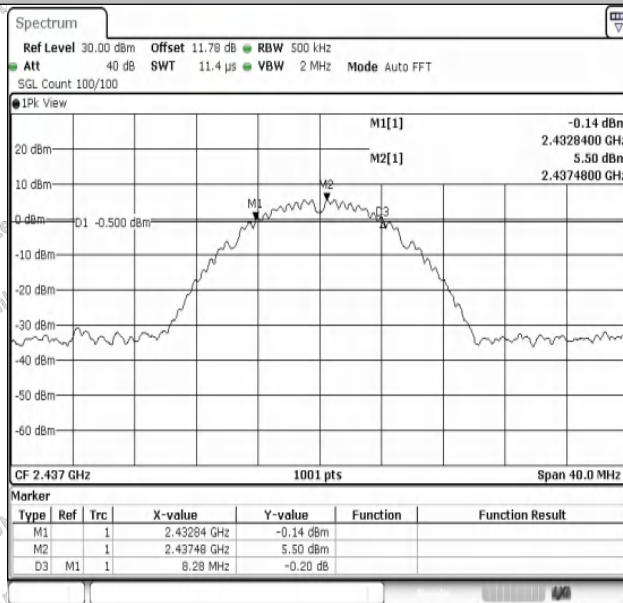
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.20	2407.92	2416.12	0.5	PASS
11B	Ant1	2437	8.28	2432.84	2441.12	0.5	PASS
11B	Ant1	2462	8.20	2457.84	2466.04	0.5	PASS
11G	Ant1	2412	15.20	2404.48	2419.68	0.5	PASS
11G	Ant1	2437	16.12	2429.00	2445.12	0.5	PASS
11G	Ant1	2462	16.16	2453.96	2470.12	0.5	PASS
11N20SISO	Ant1	2412	16.20	2403.72	2419.92	0.5	PASS
11N20SISO	Ant1	2437	17.48	2428.20	2445.68	0.5	PASS
11N20SISO	Ant1	2462	17.16	2453.32	2470.48	0.5	PASS
11N40SISO	Ant1	2422	34.16	2405.68	2439.84	0.5	PASS
11N40SISO	Ant1	2437	36.16	2418.92	2455.08	0.5	PASS
11N40SISO	Ant1	2452	34.72	2434.72	2469.44	0.5	PASS



Test Graphs

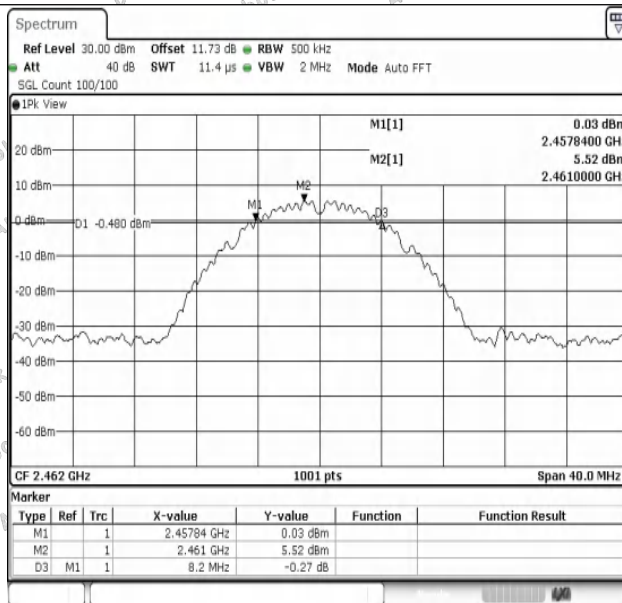


11B-Ant1-2412-PASS

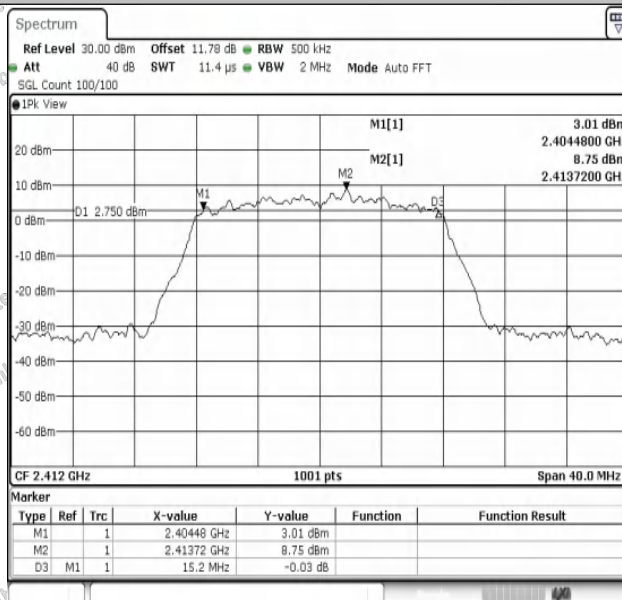


11B-Ant1-2437-PASS



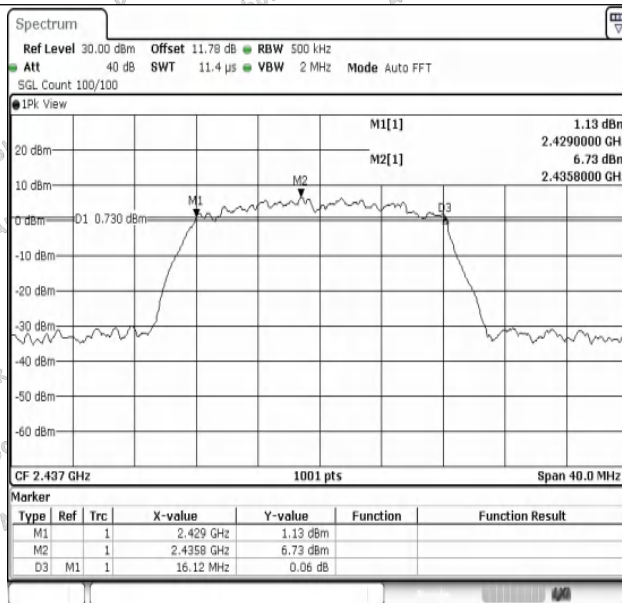


11B-Ant1-2462-PASS

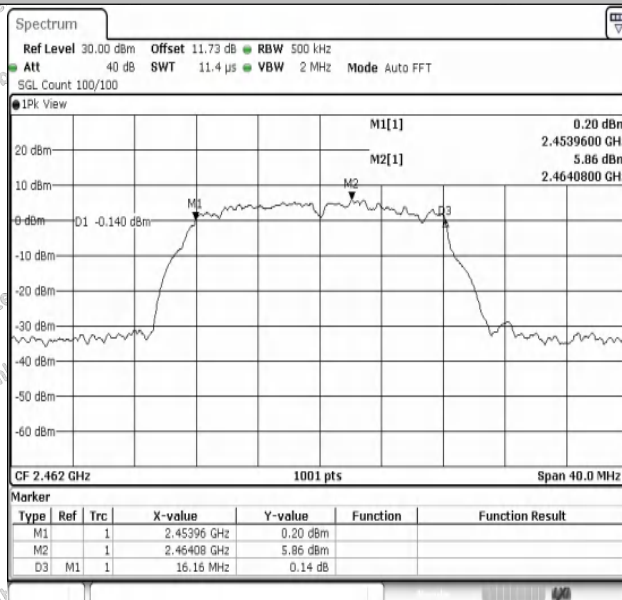


11G-Ant1-2412-PASS



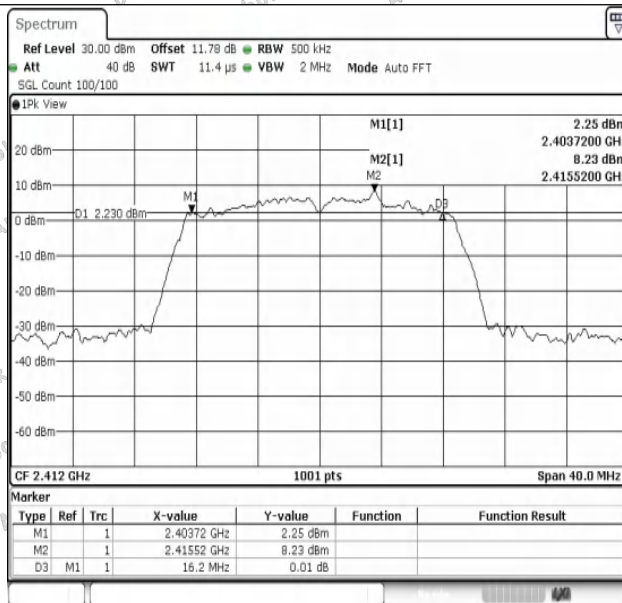


11G-Ant1-2437-PASS

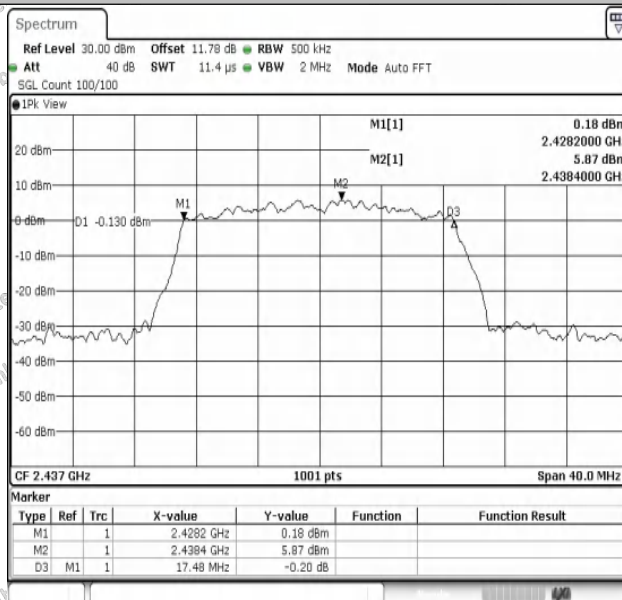


11G-Ant1-2462-PASS



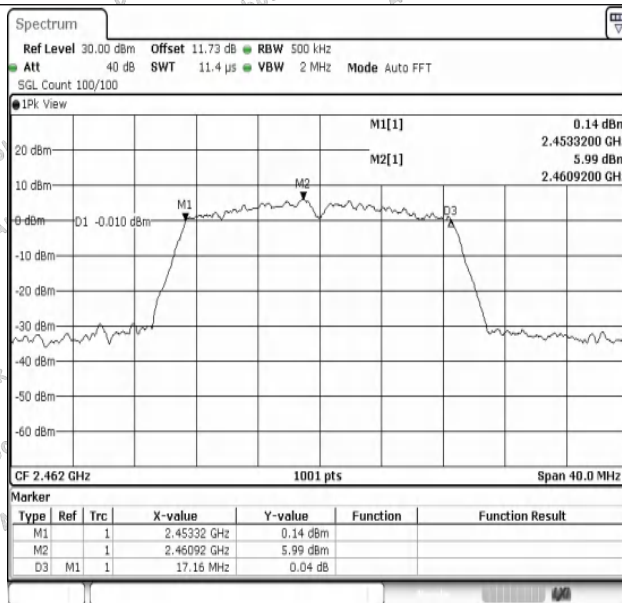


11N20SISO-Ant1-2412-PASS

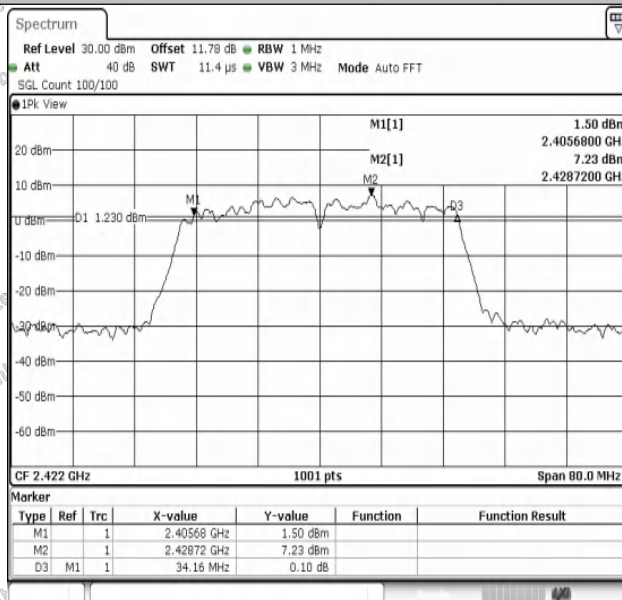


11N20SISO-Ant1-2437-PASS



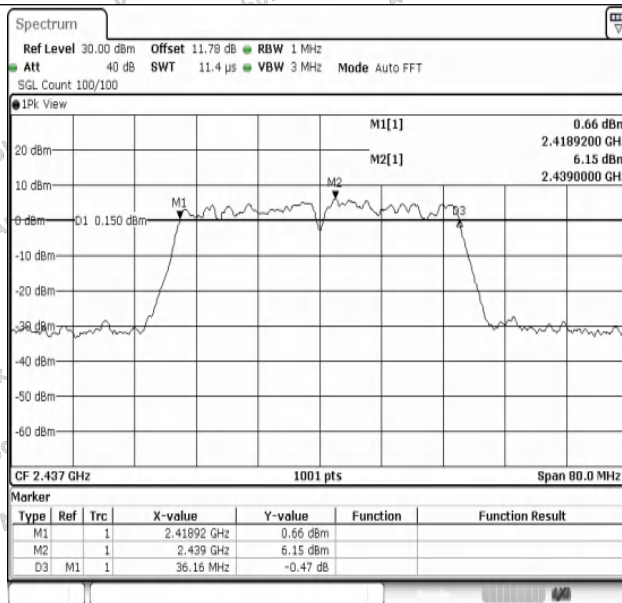


11N20SISO-Ant1-2462-PASS

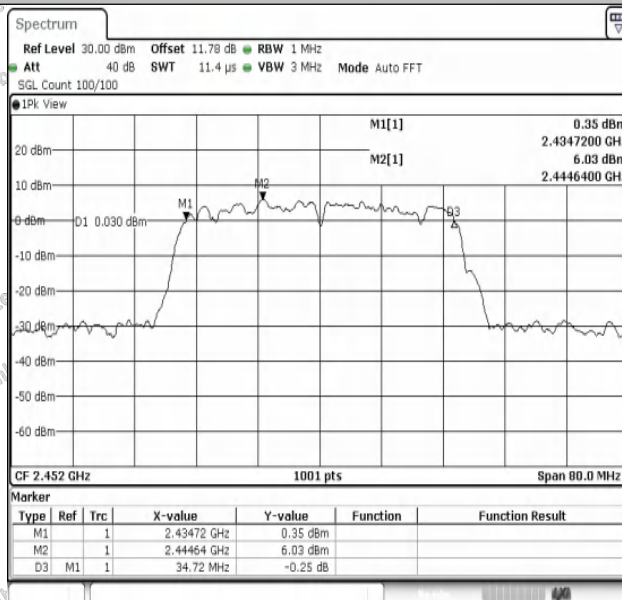


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.945	2404.6873	2419.6324	---	---
11B	Ant1	2437	14.945	2429.5674	2444.5125	---	---
11B	Ant1	2462	14.945	2454.7273	2469.6723	---	---
11G	Ant1	2412	18.262	2402.0500	2420.3117	---	---
11G	Ant1	2437	17.063	2428.3686	2445.4316	---	---

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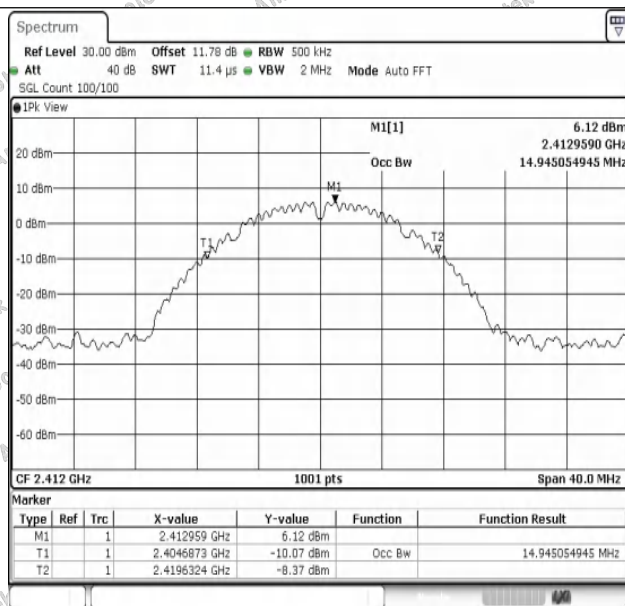
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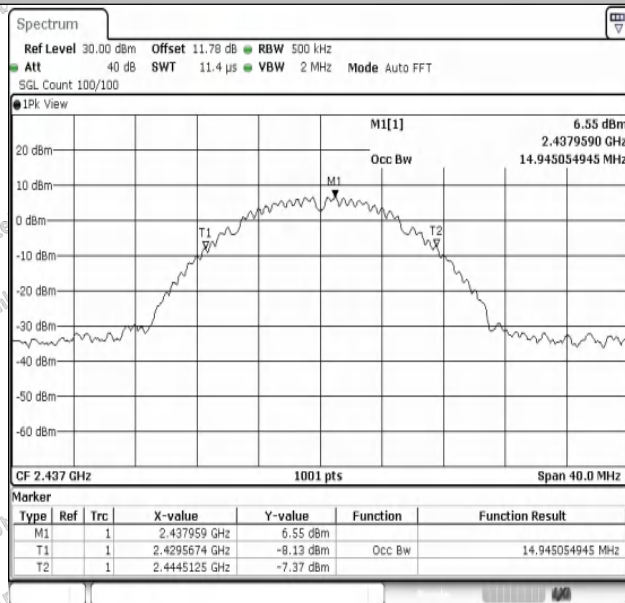
11G	Ant1	2462	16.583	2453.7283	2470.3117	---	---
11N20SISO	Ant1	2412	18.222	2402.9291	2421.1508	---	---
11N20SISO	Ant1	2437	18.142	2427.8891	2446.0310	---	---
11N20SISO	Ant1	2462	18.701	2452.8092	2471.5105	---	---
11N40SISO	Ant1	2422	37.003	2403.2188	2440.2218	---	---
11N40SISO	Ant1	2437	36.284	2418.8581	2455.1419	---	---
11N40SISO	Ant1	2452	36.683	2433.7782	2470.4615	---	---



Test Graphs

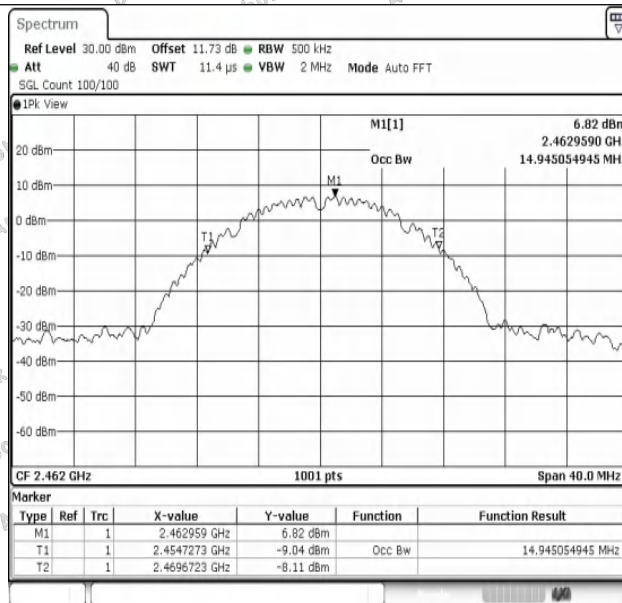


11B-Ant1-2412

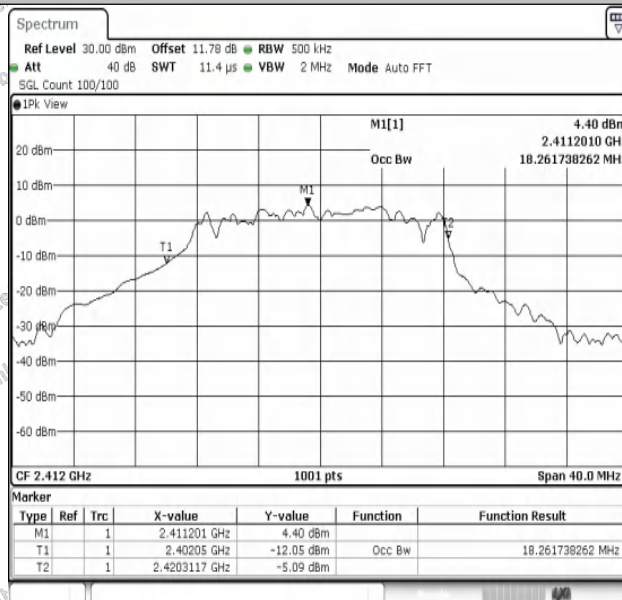


11B-Ant1-2437



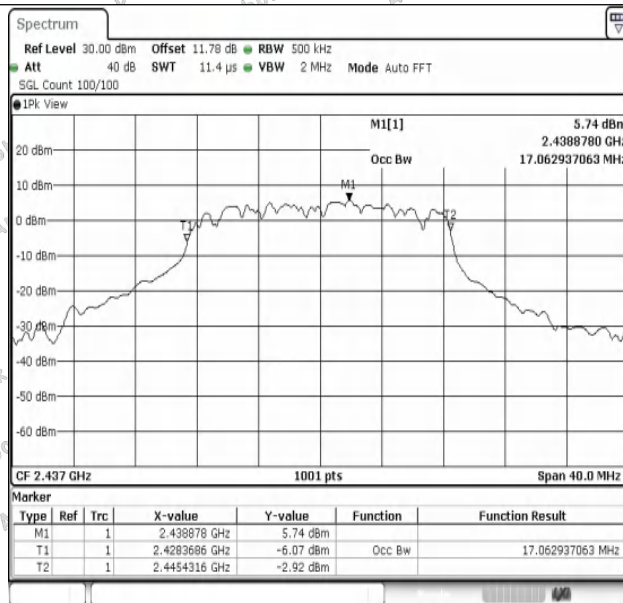


11B-Ant1-2462

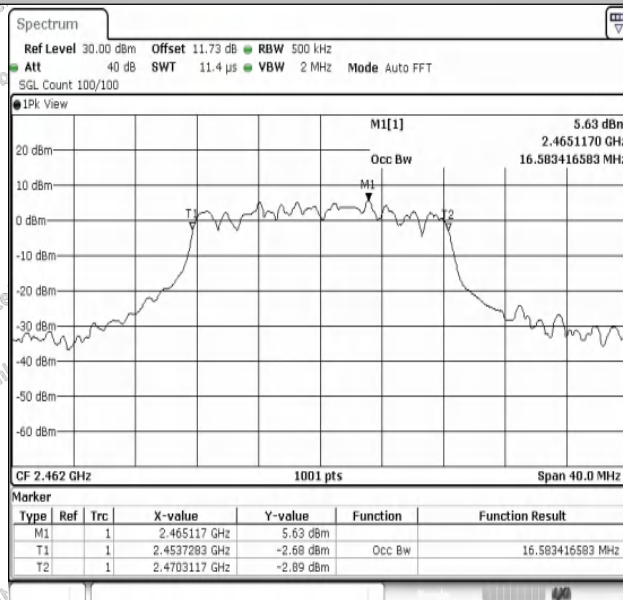


11G-Ant1-2412



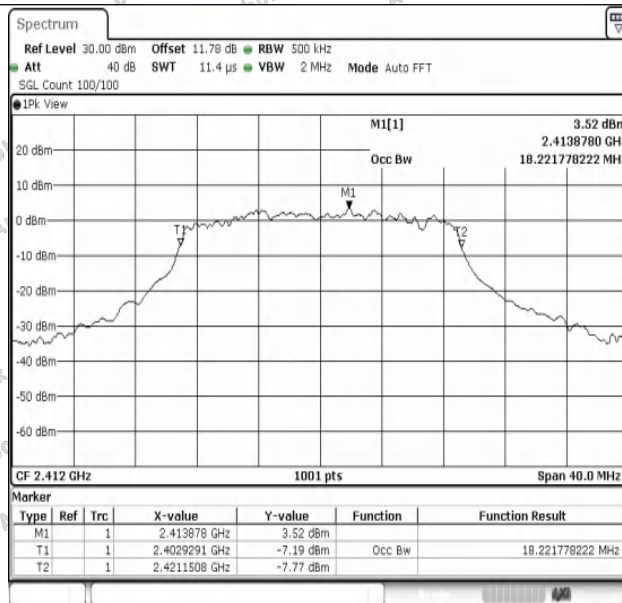


11G-Ant1-2437

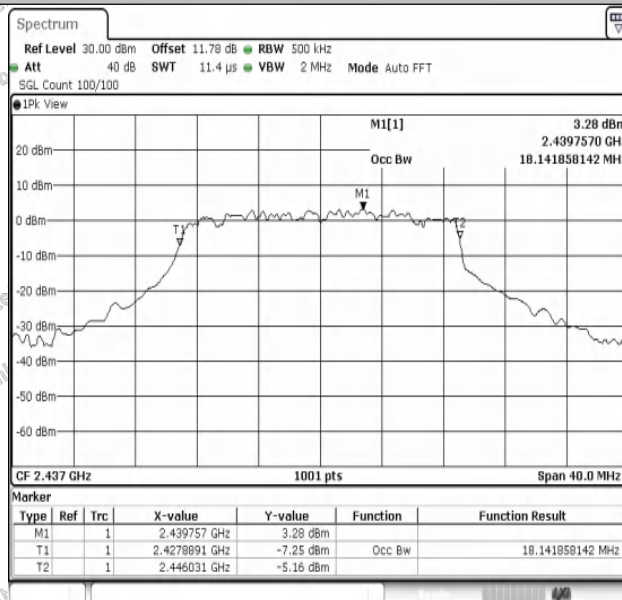


11G-Ant1-2462



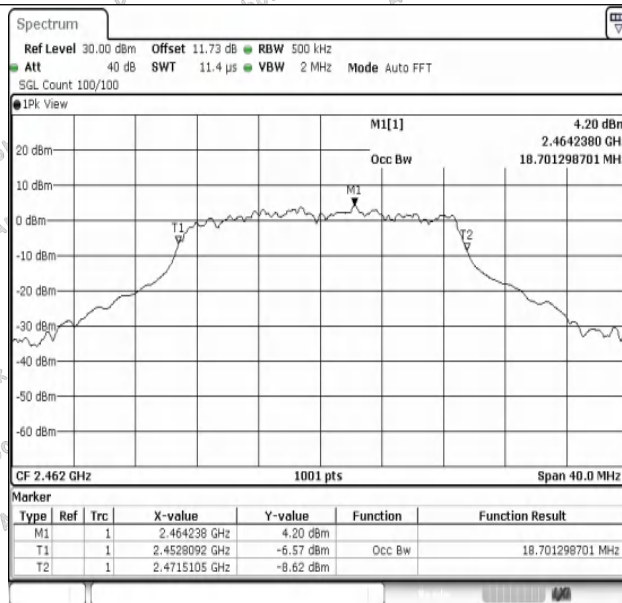


11N20SISO-Ant1-2412

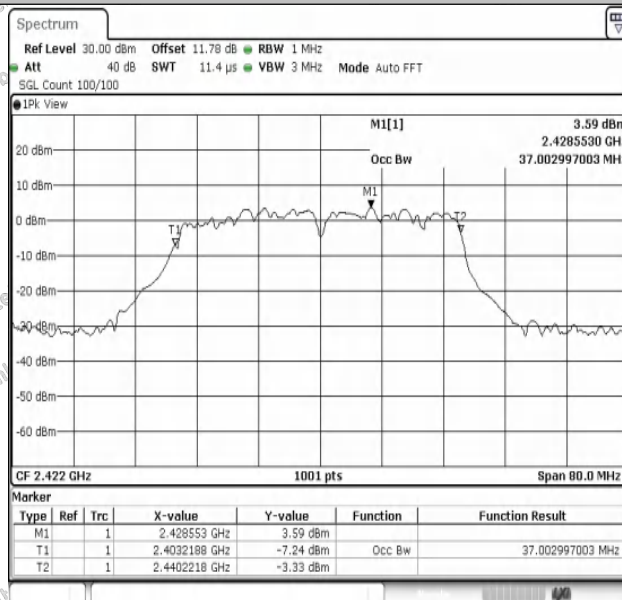


11N20SISO-Ant1-2437



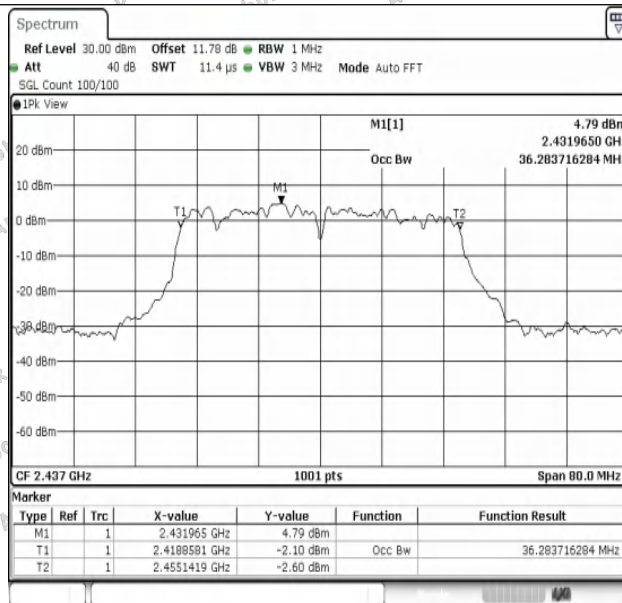


11N20SISO-Ant1-2462

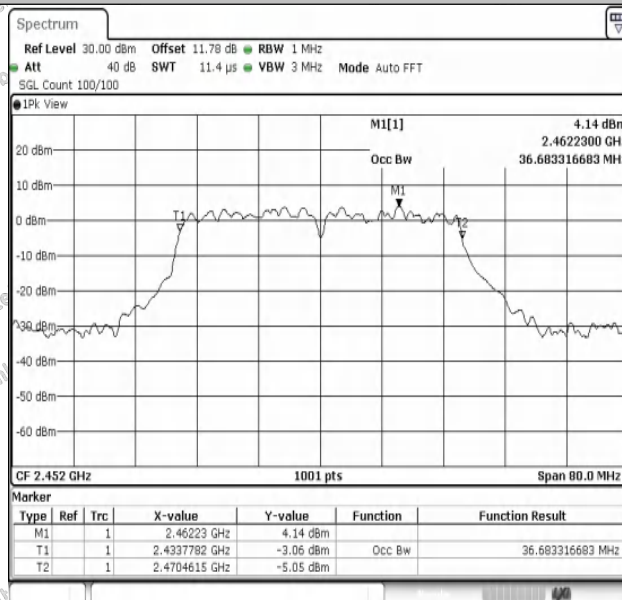


11N40SISO-Ant1-2422





11N40SISO-Ant1-2437



11N40SISO-Ant1-2452



Appendix C: Maximum conducted output power

Test Result Average

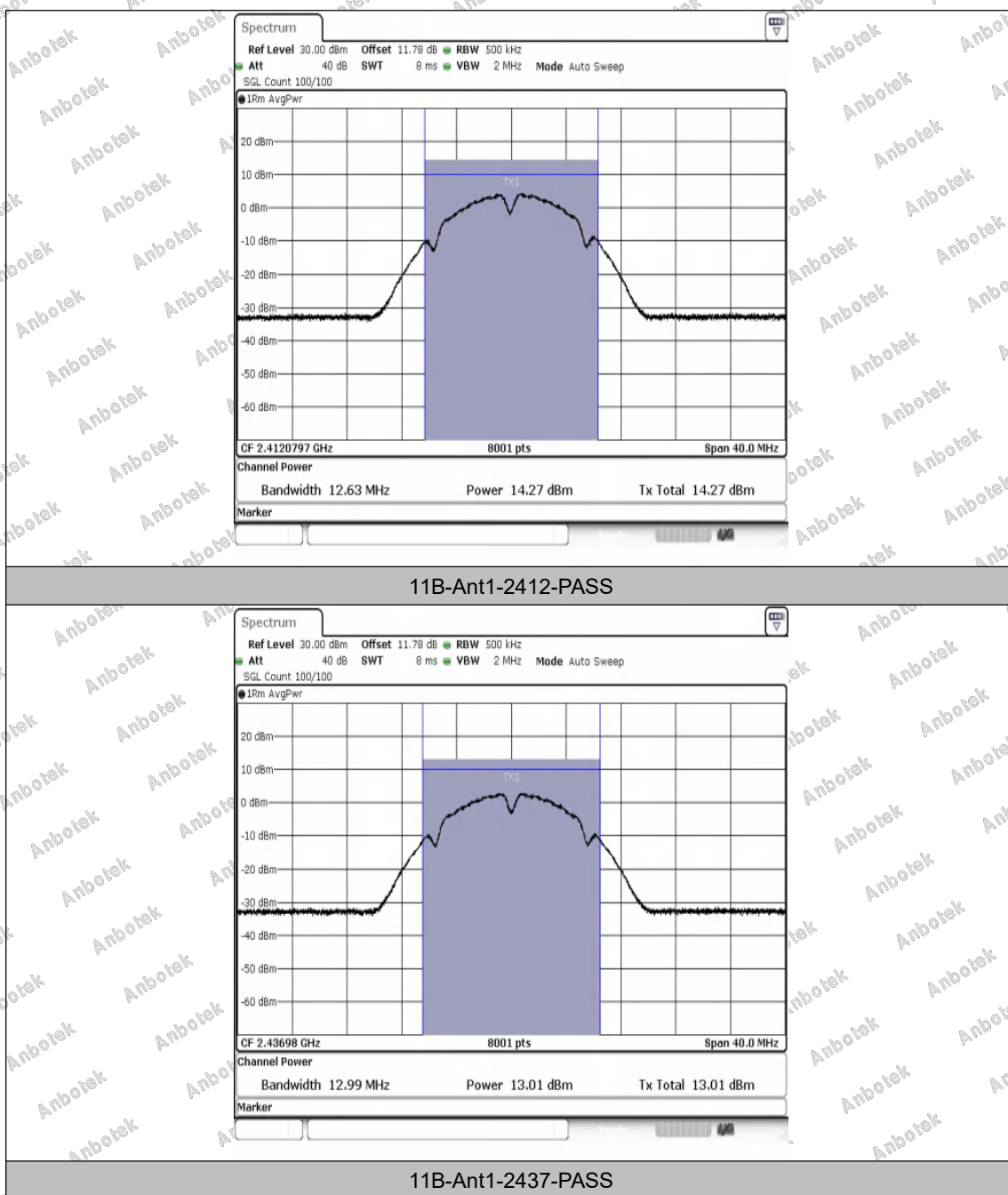
Test Mode	Antenna	Frequency[MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	14.27	92.41	0.34	14.61	≤30.00	PASS
11B	Ant1	2437	NA	13.01	94.28	0.26	13.27	≤30.00	PASS
11B	Ant1	2462	NA	12.92	94.16	0.26	13.18	≤30.00	PASS
11G	Ant1	2412	NA	13.17	72.16	1.42	14.59	≤30.00	PASS
11G	Ant1	2437	NA	11.90	72.16	1.42	13.32	≤30.00	PASS
11G	Ant1	2462	NA	11.90	72.77	1.38	13.28	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.71	70.65	1.51	14.22	≤30.00	PASS
11N20SISO	Ant1	2437	NA	11.68	70.65	1.51	13.19	≤30.00	PASS
11N20SISO	Ant1	2462	NA	11.54	70.81	1.50	13.04	≤30.00	PASS
11N40SISO	Ant1	2422	NA	10.73	54.24	2.66	13.39	≤30.00	PASS
11N40SISO	Ant1	2437	NA	10.68	54.24	2.66	13.34	≤30.00	PASS
11N40SISO	Ant1	2452	NA	10.68	54.62	2.63	13.31	≤30.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph



Test Graphs Average



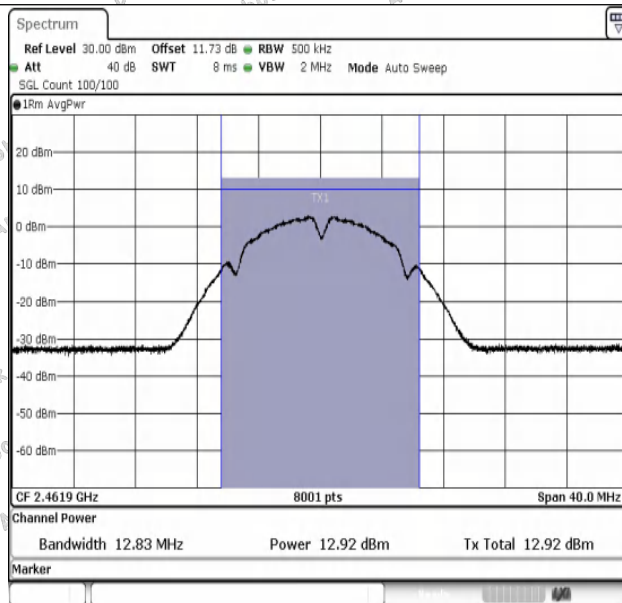
Shenzhen Anbotek Compliance Laboratory Limited

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

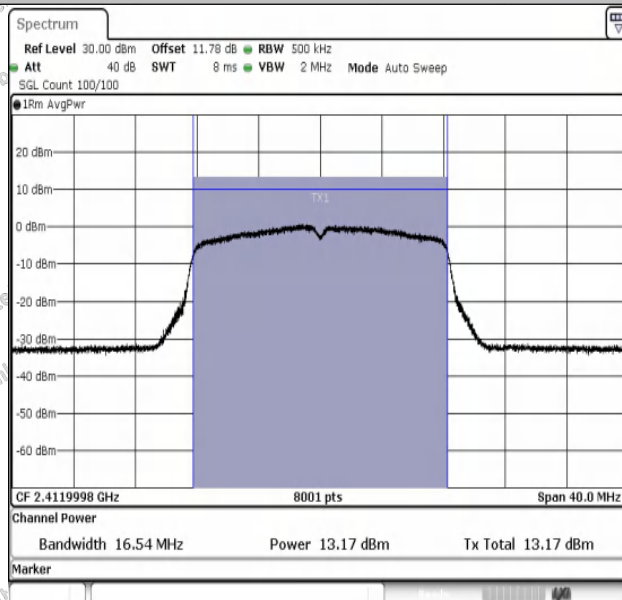


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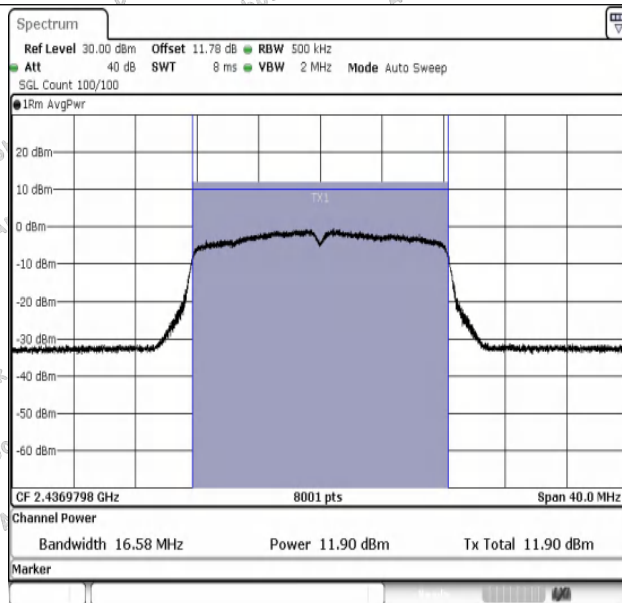


11B-Ant1-2462-PASS

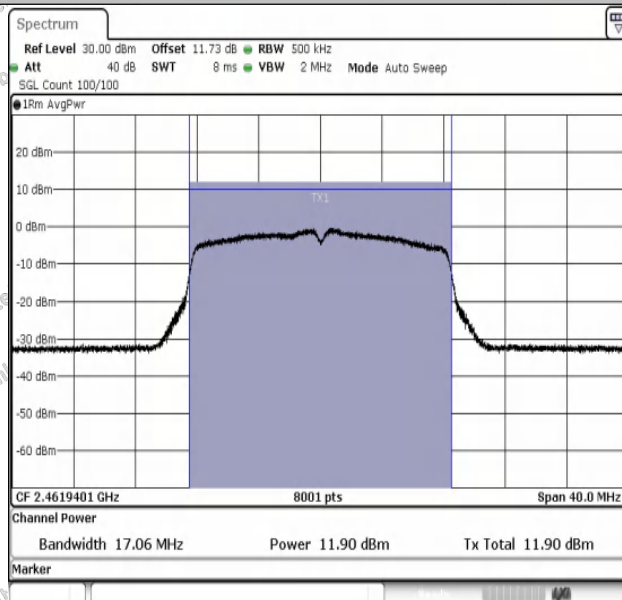


11G-Ant1-2412-PASS



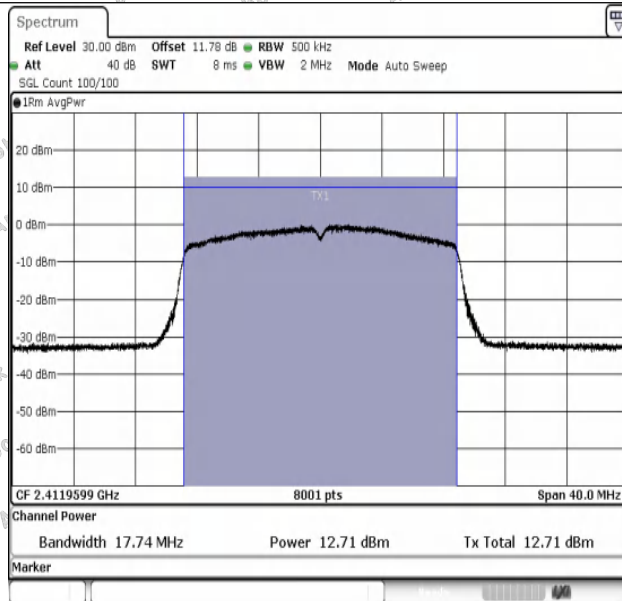


11G-Ant1-2437-PASS

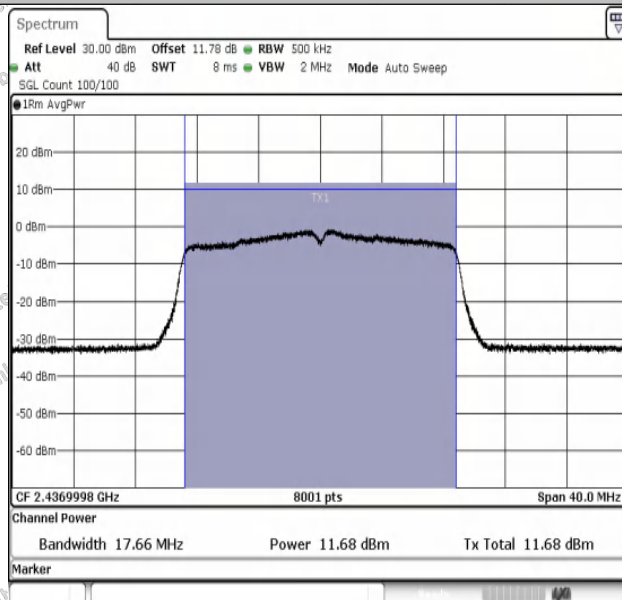


11G-Ant1-2462-PASS



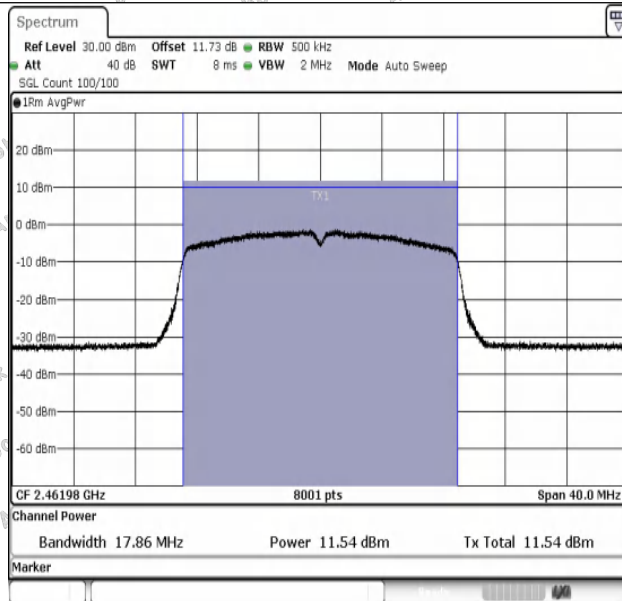


11N20SISO-Ant1-2412-PASS

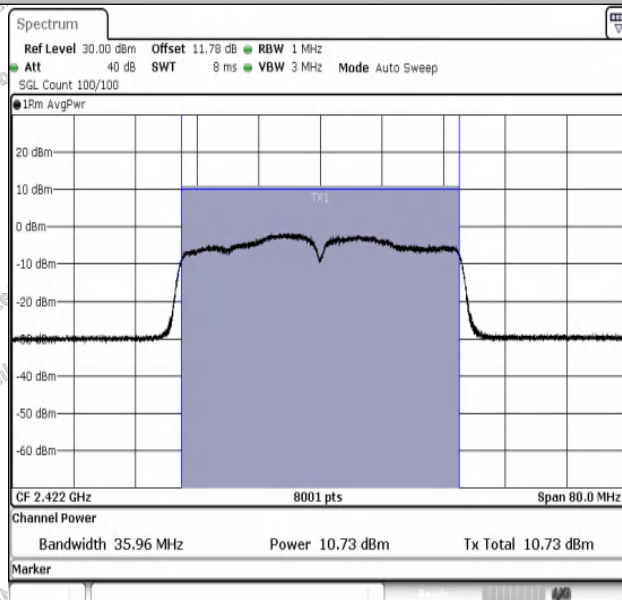


11N20SISO-Ant1-2437-PASS



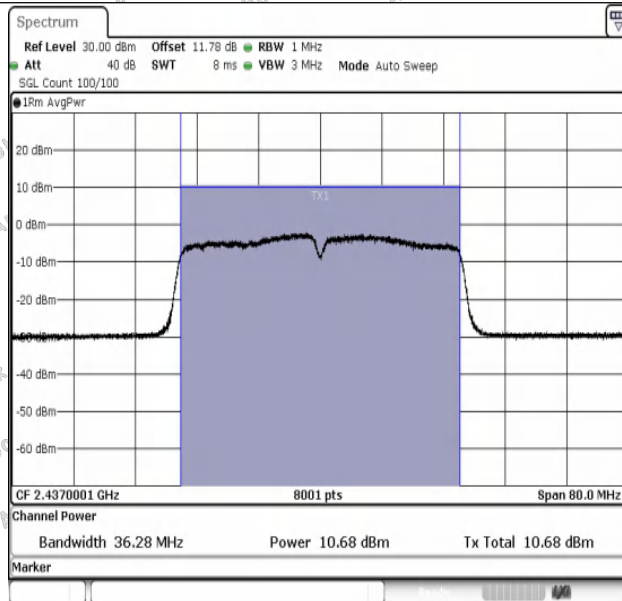


11N20SISO-Ant1-2462-PASS

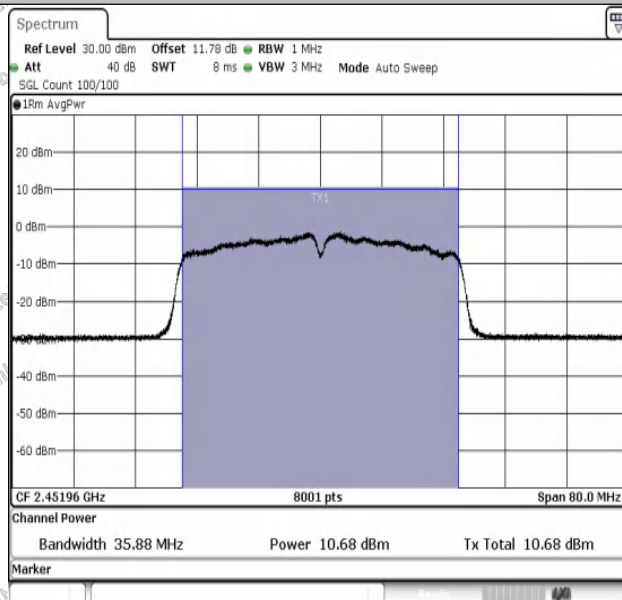


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



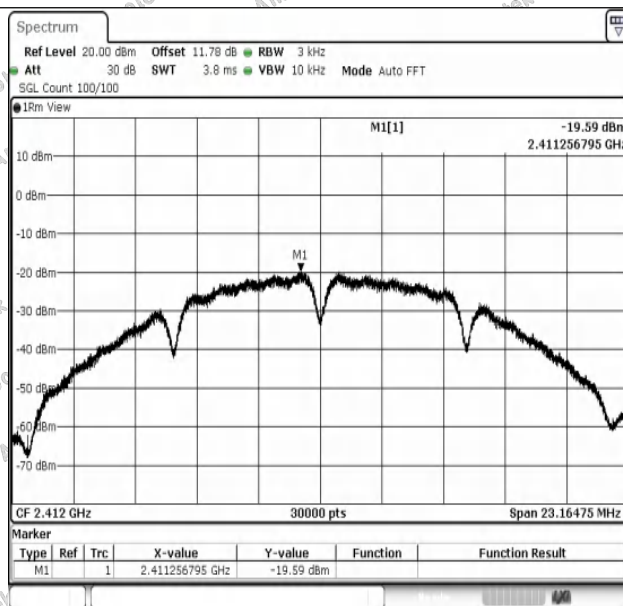
Appendix D: Maximum power spectral density

Test Result

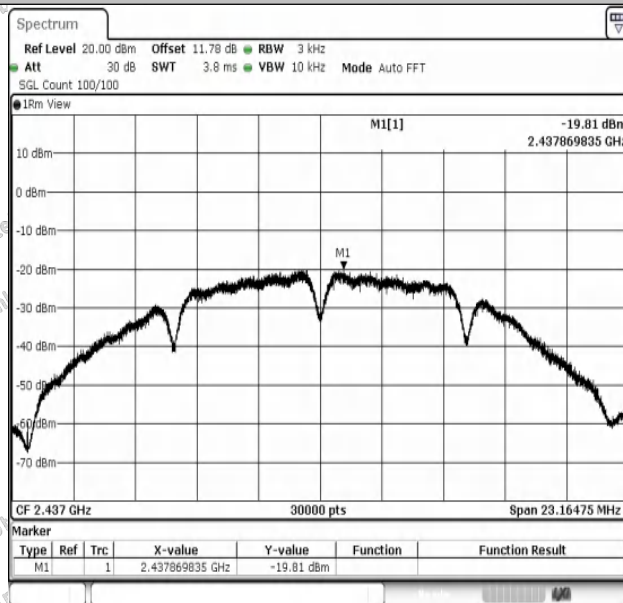
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.59	≤8.00	PASS
11B	Ant1	2437	-19.81	≤8.00	PASS
11B	Ant1	2462	-19.28	≤8.00	PASS
11G	Ant1	2412	-18.86	≤8.00	PASS
11G	Ant1	2437	-17.87	≤8.00	PASS
11G	Ant1	2462	-16.78	≤8.00	PASS
11N20SISO	Ant1	2412	-20.38	≤8.00	PASS
11N20SISO	Ant1	2437	-19.86	≤8.00	PASS
11N20SISO	Ant1	2462	-21.07	≤8.00	PASS
11N40SISO	Ant1	2422	-22.93	≤8.00	PASS
11N40SISO	Ant1	2437	-21.70	≤8.00	PASS
11N40SISO	Ant1	2452	-22.83	≤8.00	PASS



Test Graphs

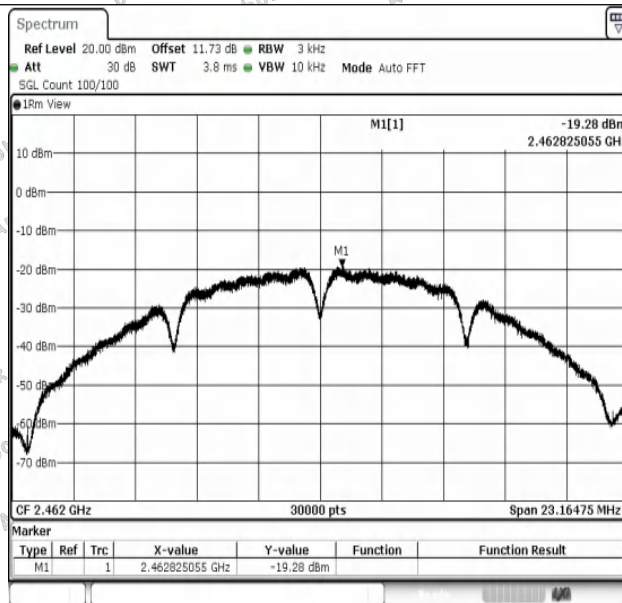


11B-Ant1-2412-PASS

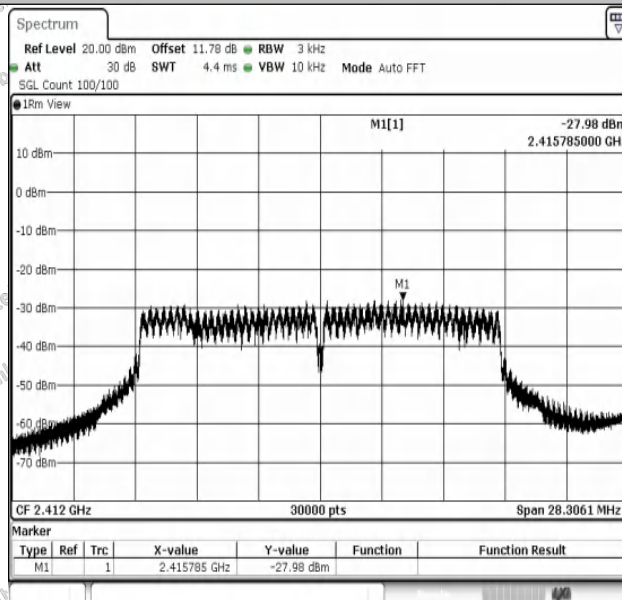


11B-Ant1-2437-PASS



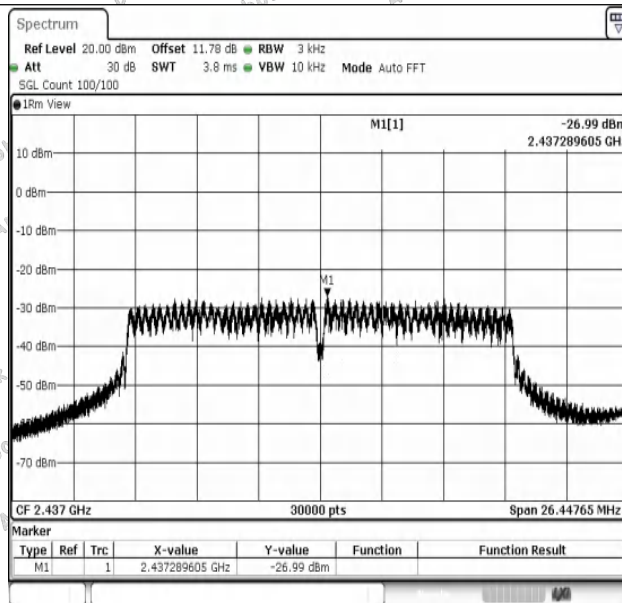


11B-Ant1-2462-PASS

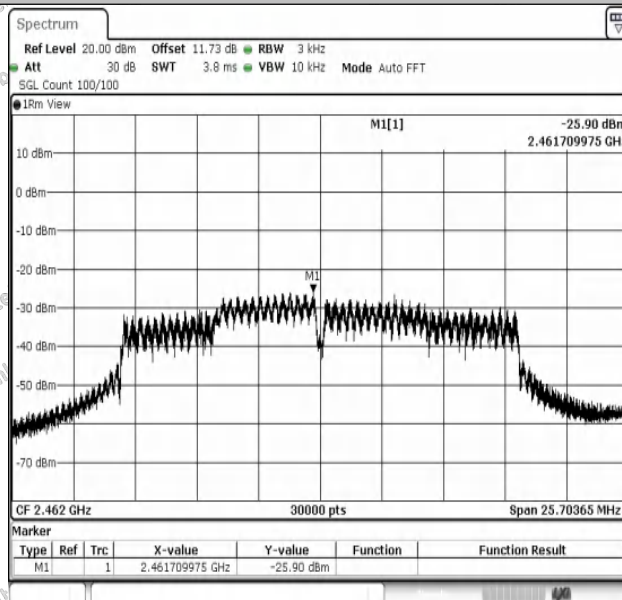


11G-Ant1-2412-PASS



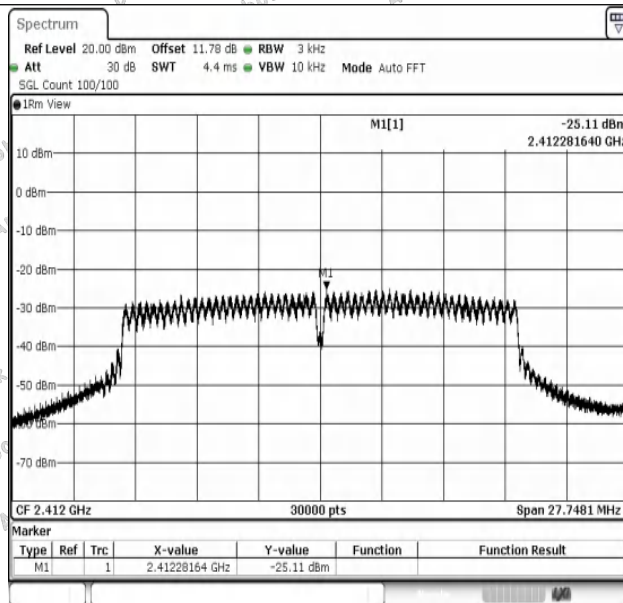


11G-Ant1-2437-PASS

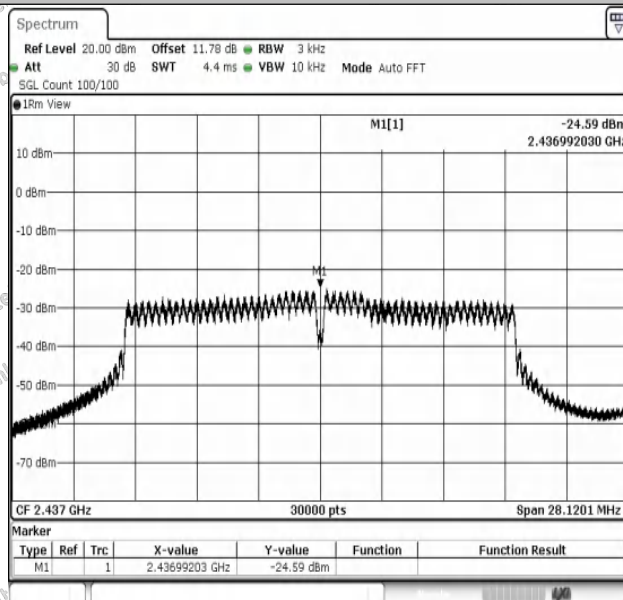


11G-Ant1-2462-PASS



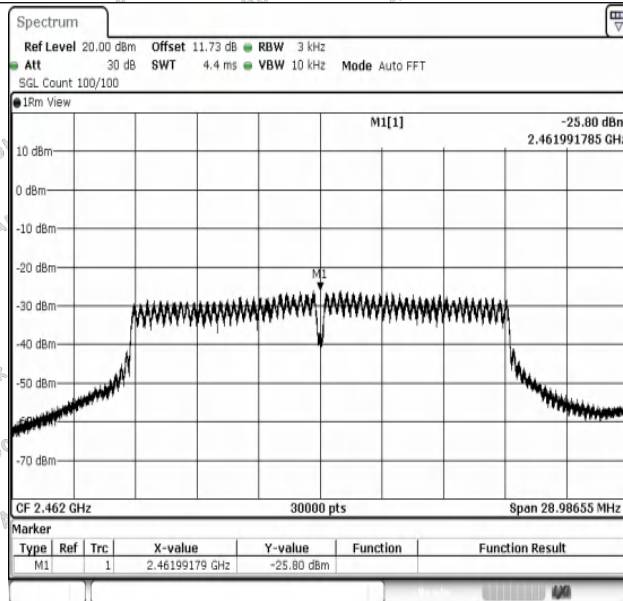


11N20SISO-Ant1-2412-PASS

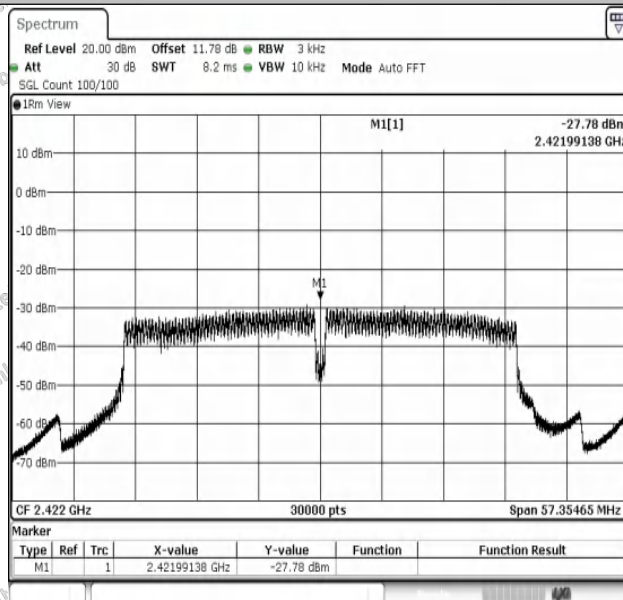


11N20SISO-Ant1-2437-PASS



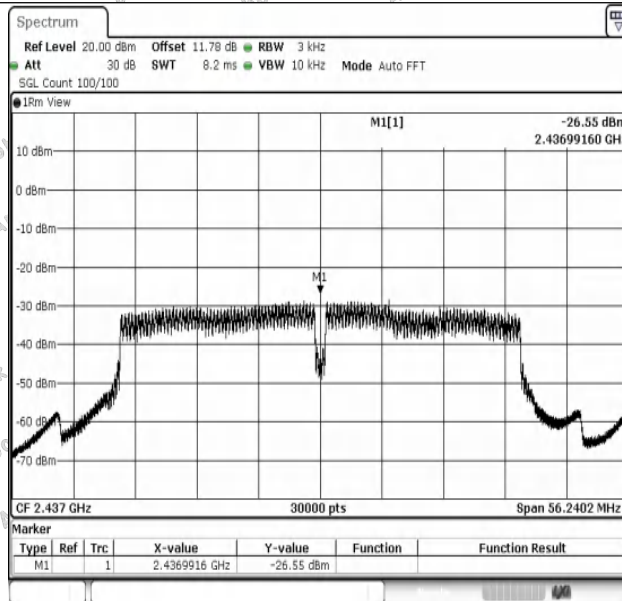


11N20SISO-Ant1-2462-PASS

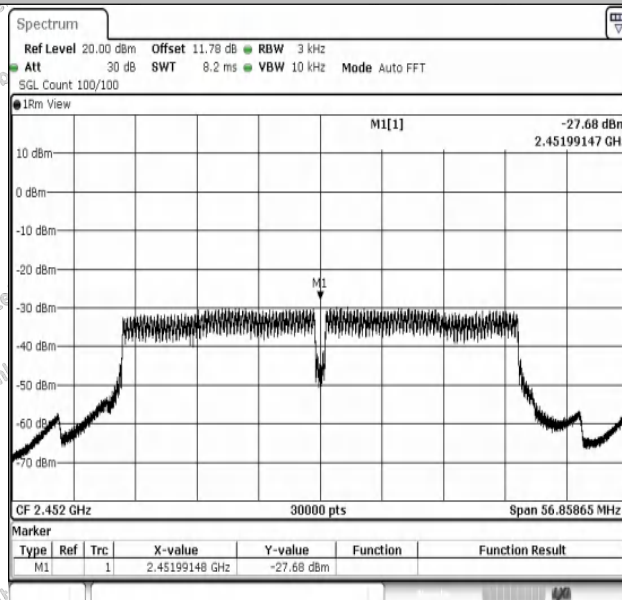


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



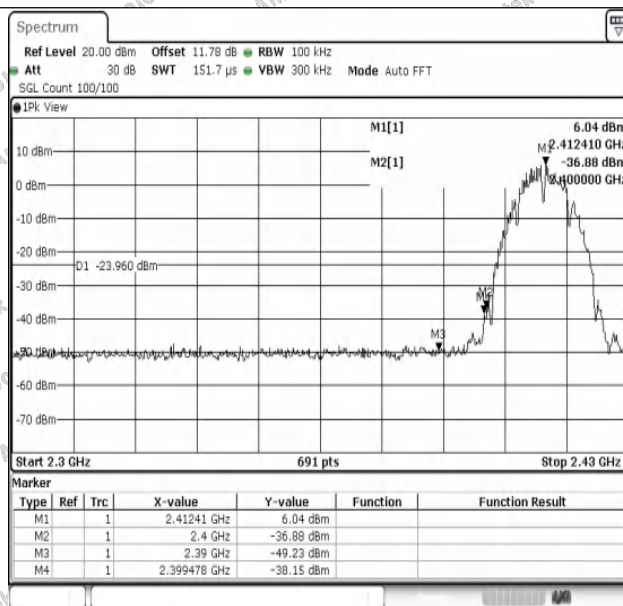
Appendix E: Band edge measurements

Test Result

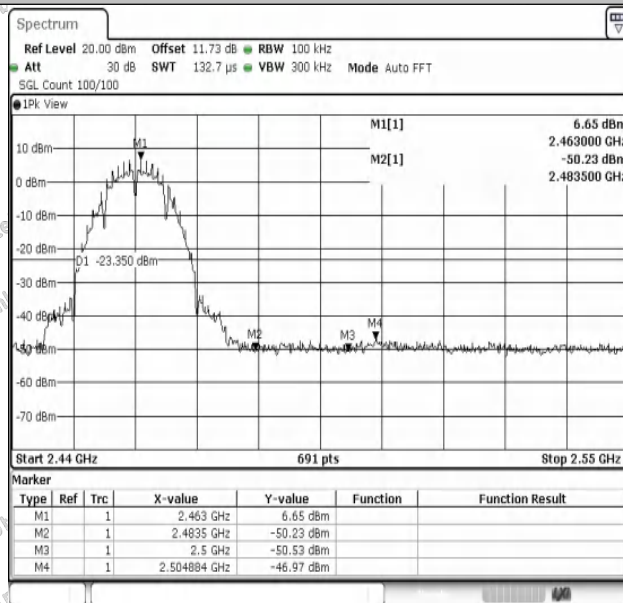
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.04	-38.15	≤-23.96	PASS
11B	Ant1	High	2462	6.65	-46.97	≤-23.35	PASS
11G	Ant1	Low	2412	-1.55	-34	≤-31.55	PASS
11G	Ant1	High	2462	-0.97	-44.48	≤-30.97	PASS
11N20SISO	Ant1	Low	2412	-0.20	-32	≤-30.2	PASS
11N20SISO	Ant1	High	2462	-0.83	-45.9	≤-30.83	PASS
11N40SISO	Ant1	Low	2422	-6.24	-36.52	≤-36.24	PASS
11N40SISO	Ant1	High	2452	-5.99	-45.71	≤-35.99	PASS



Test Graphs

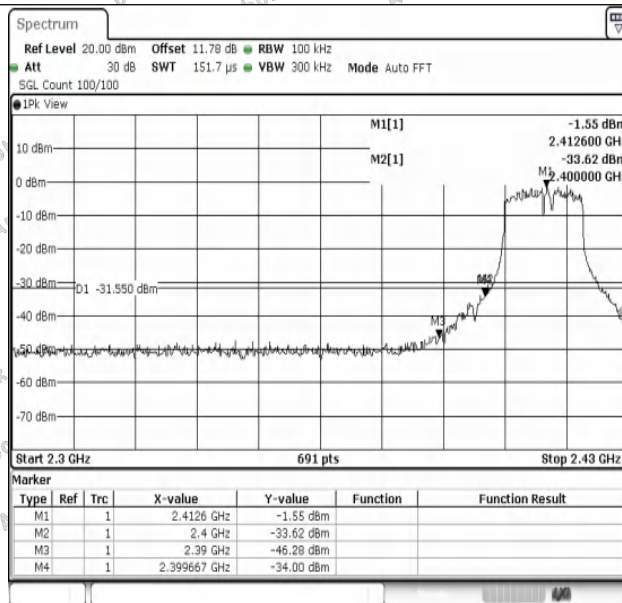


11B-Ant1-2412-PASS

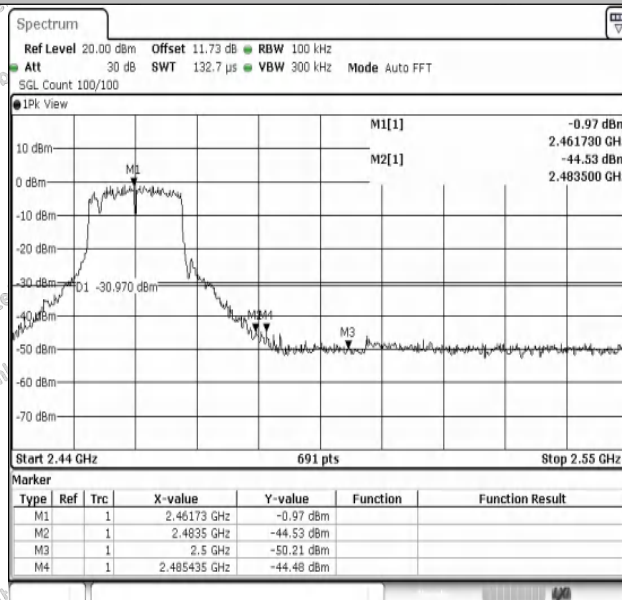


11B-Ant1-2462-PASS



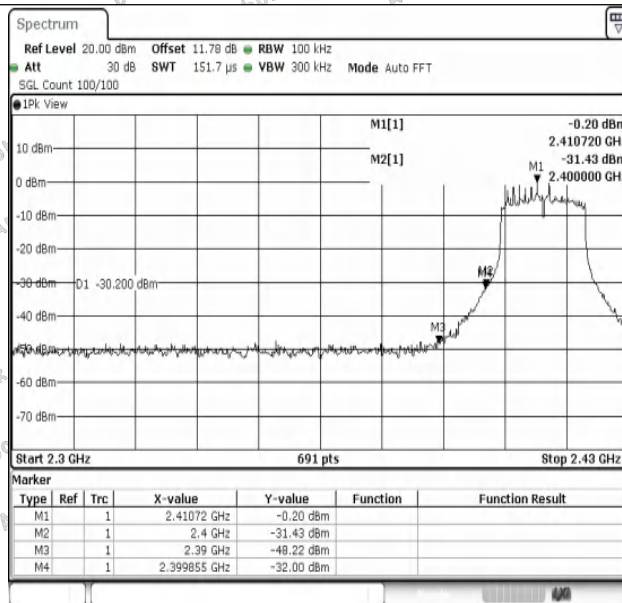


11G-Ant1-2412-PASS

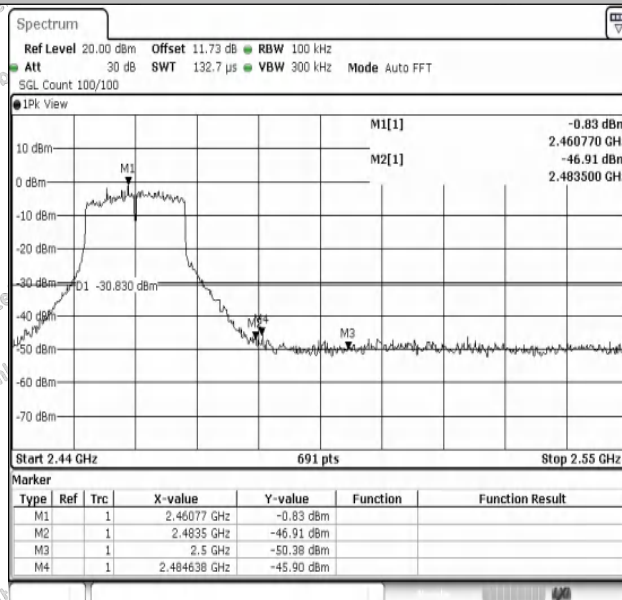


11G-Ant1-2462-PASS



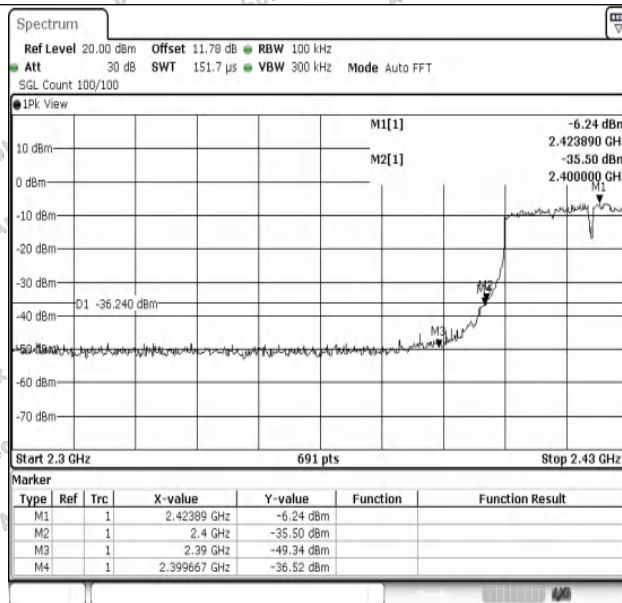


11N20SISO-Ant1-2412-PASS

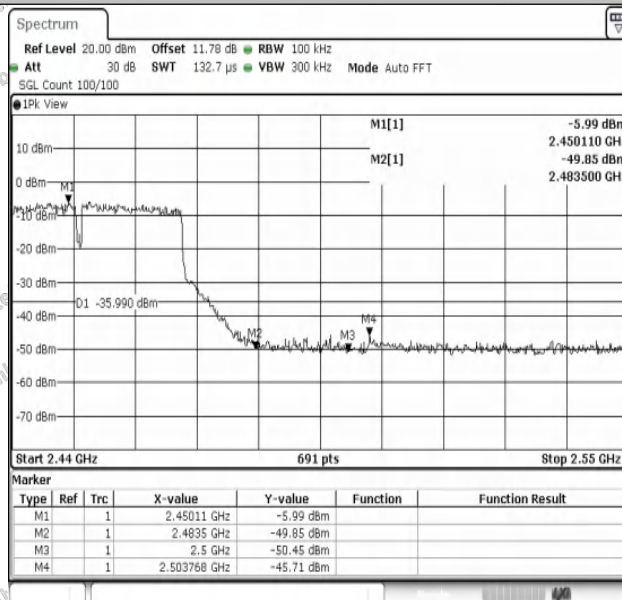


11N20SISO-Ant1-2462-PASS





11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.37	5.37	---	PASS
11B	Ant1	2412	30~1000	5.37	-58.28	≤-24.63	PASS
11B	Ant1	2412	1000~26500	5.37	-40.23	≤-24.63	PASS
11B	Ant1	2437	0~Reference	2.87	2.87	---	PASS
11B	Ant1	2437	30~1000	2.87	-58.36	≤-27.13	PASS
11B	Ant1	2437	1000~26500	2.87	-42.72	≤-27.13	PASS
11B	Ant1	2462	0~Reference	5.79	5.79	---	PASS
11B	Ant1	2462	30~1000	5.79	-58.57	≤-24.21	PASS
11B	Ant1	2462	1000~26500	5.79	-43.89	≤-24.21	PASS
11G	Ant1	2412	0~Reference	-1.48	-1.48	---	PASS
11G	Ant1	2412	30~1000	-1.48	-56.54	≤-31.48	PASS
11G	Ant1	2412	1000~26500	-1.48	-44.33	≤-31.48	PASS
11G	Ant1	2437	0~Reference	-1.25	-1.25	---	PASS
11G	Ant1	2437	30~1000	-1.25	-57.42	≤-31.25	PASS
11G	Ant1	2437	1000~26500	-1.25	-43.92	≤-31.25	PASS
11G	Ant1	2462	0~Reference	-1.50	-1.50	---	PASS
11G	Ant1	2462	30~1000	-1.50	-57.25	≤-31.5	PASS
11G	Ant1	2462	1000~26500	-1.50	-43.44	≤-31.5	PASS
11N20SISO	Ant1	2412	0~Reference	-4.20	-4.20	---	PASS
11N20SISO	Ant1	2412	30~1000	-4.20	-57.49	≤-34.2	PASS
11N20SISO	Ant1	2412	1000~26500	-4.20	-43.69	≤-34.2	PASS
11N20SISO	Ant1	2437	0~Reference	-2.70	-2.70	---	PASS
11N20SISO	Ant1	2437	30~1000	-2.70	-58.53	≤-32.7	PASS
11N20SISO	Ant1	2437	1000~26500	-2.70	-43.99	≤-32.7	PASS
11N20SISO	Ant1	2462	0~Reference	-2.72	-2.72	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.72	-57.89	≤-32.72	PASS
11N20SISO	Ant1	2462	1000~26500	-2.72	-43.52	≤-32.72	PASS
11N40SISO	Ant1	2422	0~Reference	-6.43	-6.43	---	PASS
11N40SISO	Ant1	2422	30~1000	-6.43	-58.08	≤-36.43	PASS
11N40SISO	Ant1	2422	1000~26500	-6.43	-44.57	≤-36.43	PASS
11N40SISO	Ant1	2437	0~Reference	-5.33	-5.33	---	PASS
11N40SISO	Ant1	2437	30~1000	-5.33	-58.08	≤-35.33	PASS
11N40SISO	Ant1	2437	1000~26500	-5.33	-44.5	≤-35.33	PASS
11N40SISO	Ant1	2452	0~Reference	-6.21	-6.21	---	PASS
11N40SISO	Ant1	2452	30~1000	-6.21	-57.27	≤-36.21	PASS
11N40SISO	Ant1	2452	1000~26500	-6.21	-43.17	≤-36.21	PASS

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

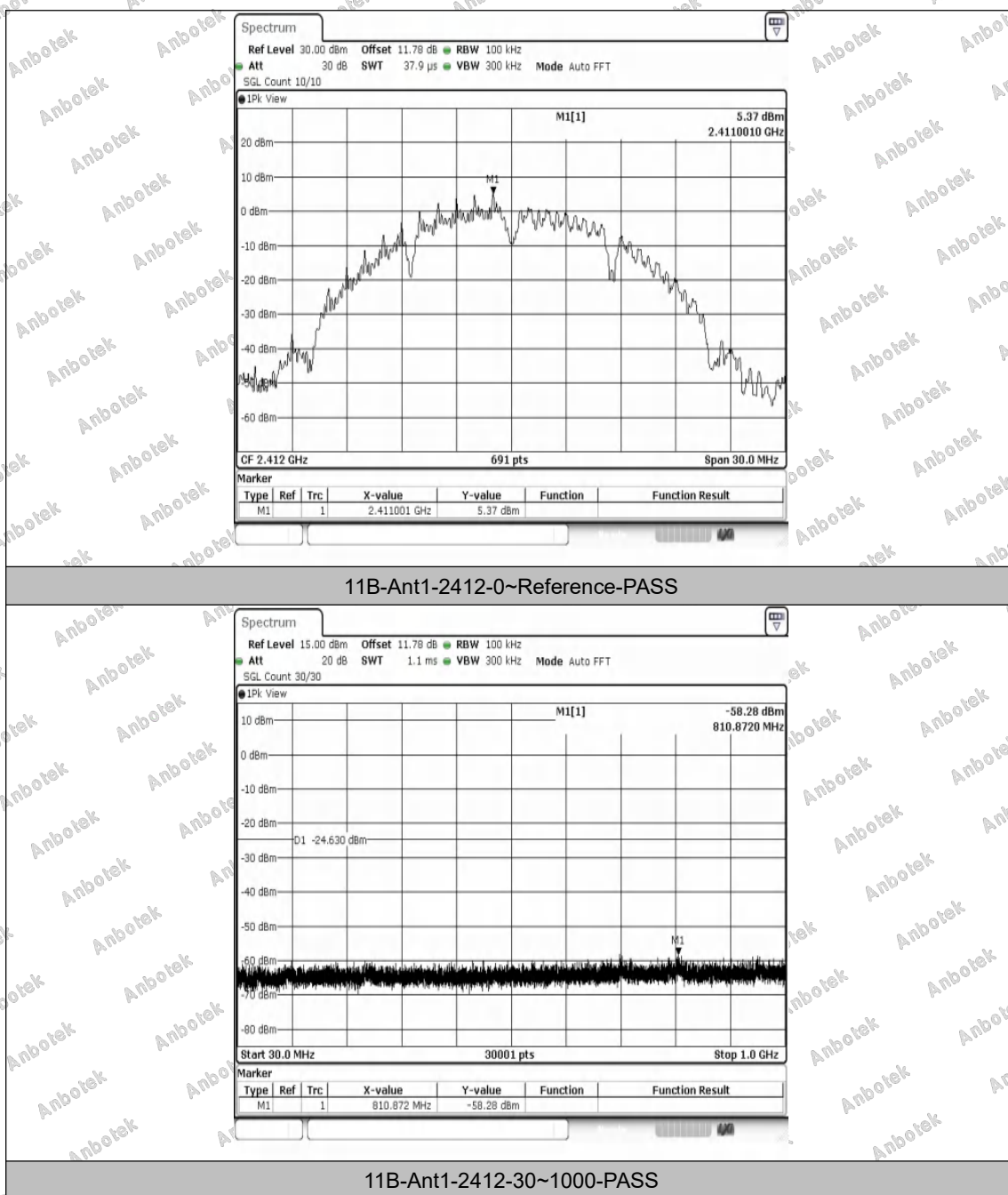


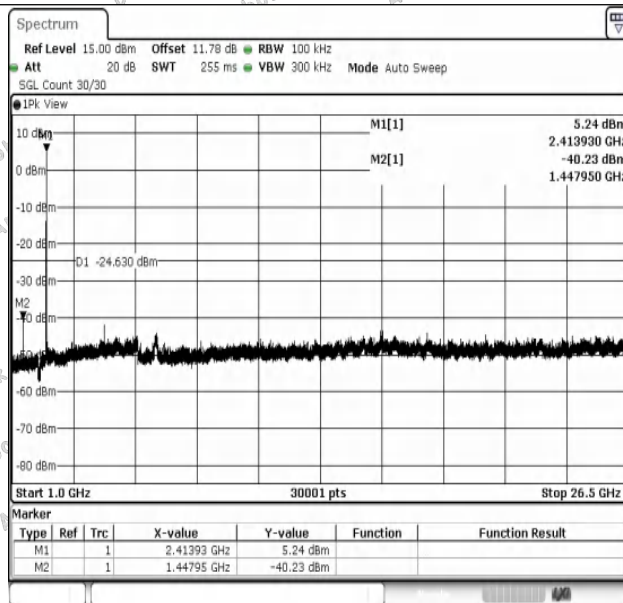
Hotline
400-003-0500

www.anbotek.com

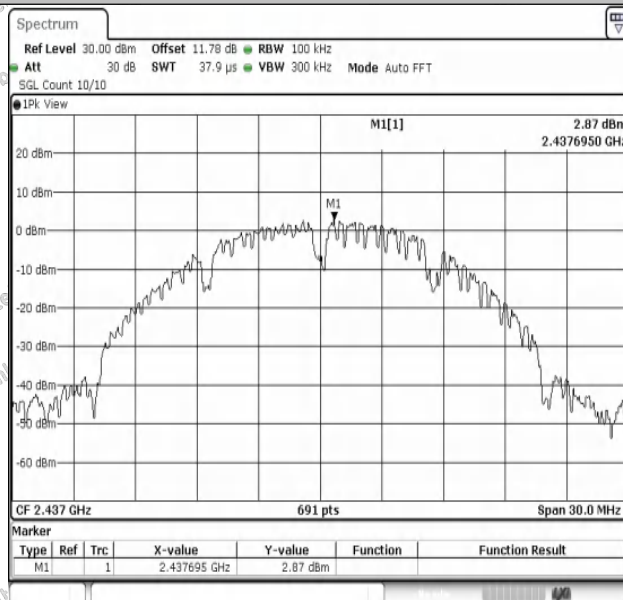


Test Graphs



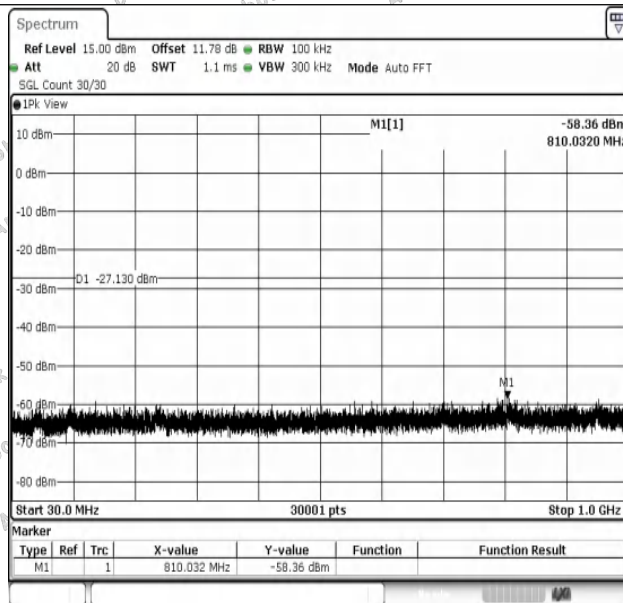


11B-Ant1-2412-1000~26500-PASS

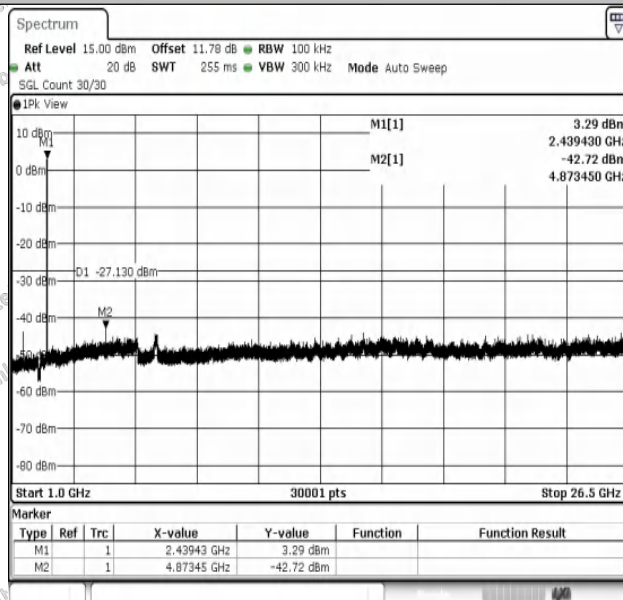


11B-Ant1-2437-0~Reference-PASS



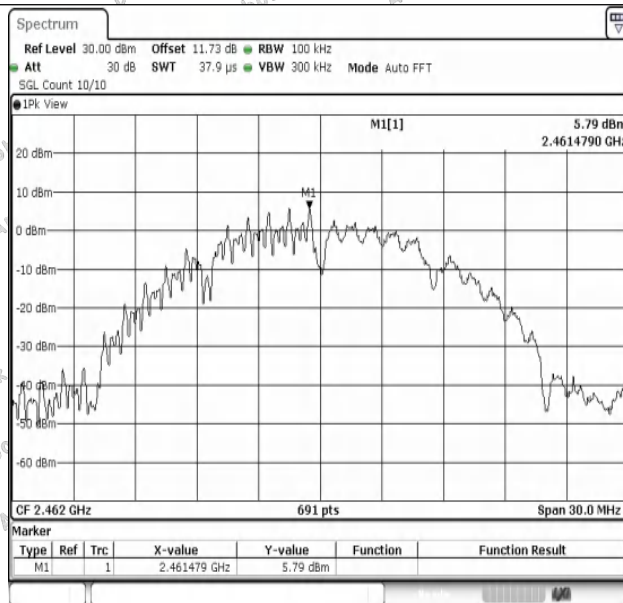


11B-Ant1-2437-30~1000-PASS

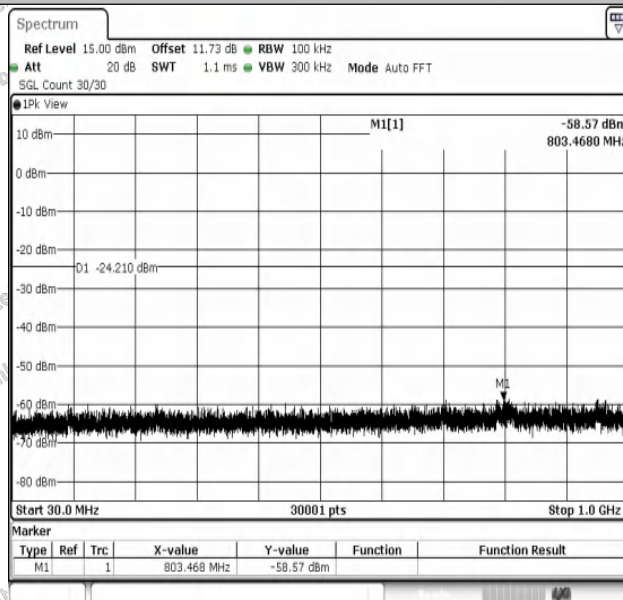


11B-Ant1-2437-1000~26500-PASS



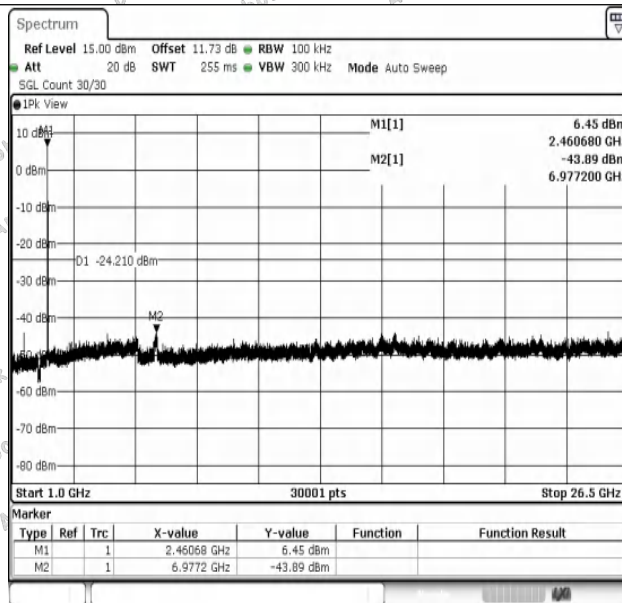


11B-Ant1-2462-0~Reference-PASS

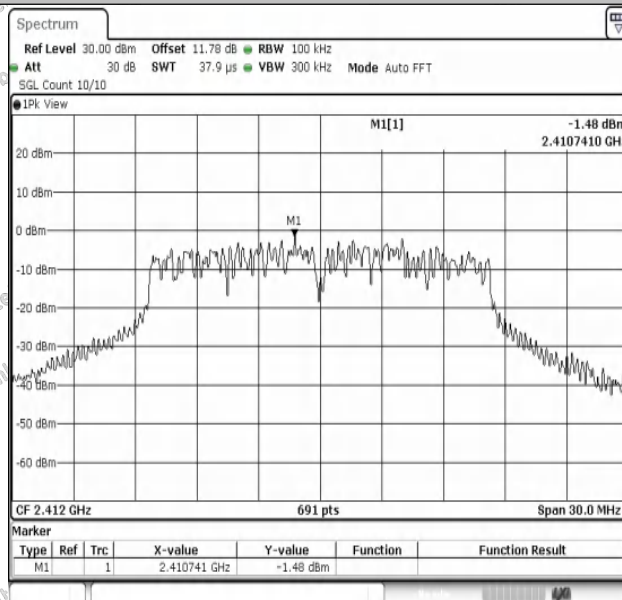


11B-Ant1-2462-30~1000-PASS



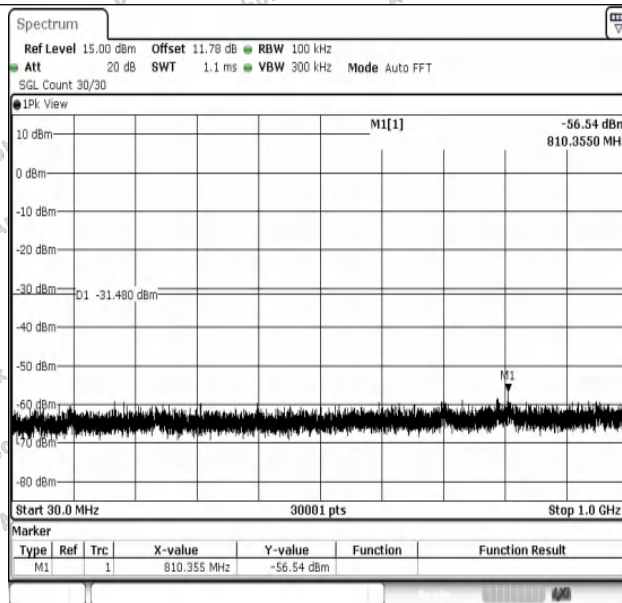


11B-Ant1-2462-1000~26500-PASS

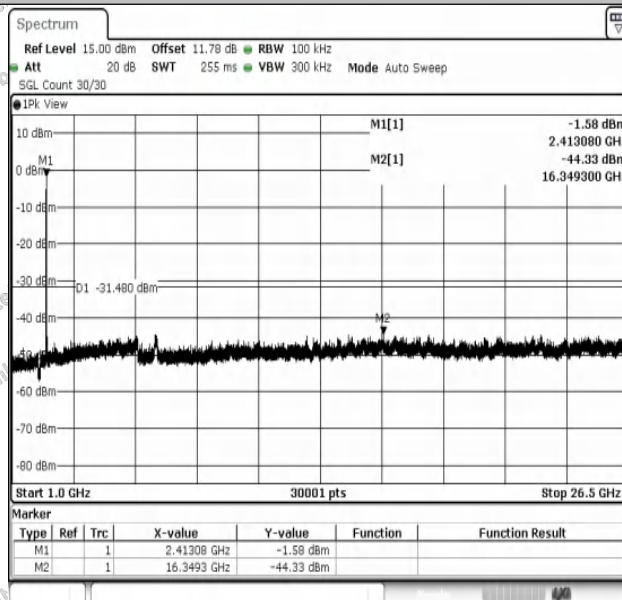


11G-Ant1-2412-0~Reference-PASS



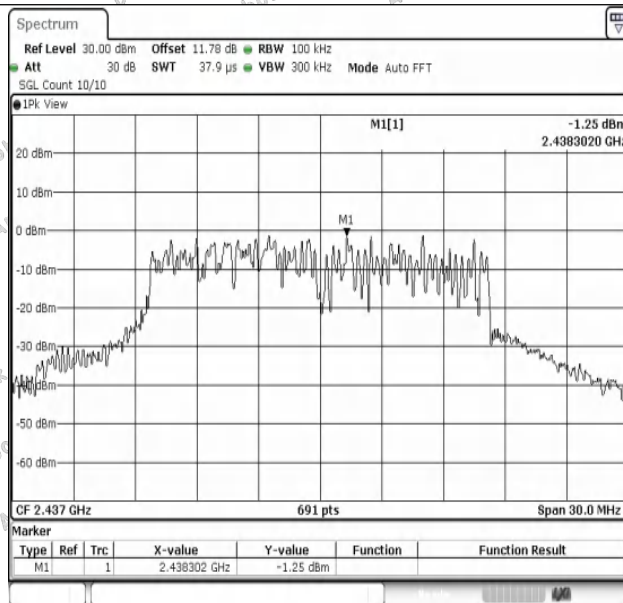


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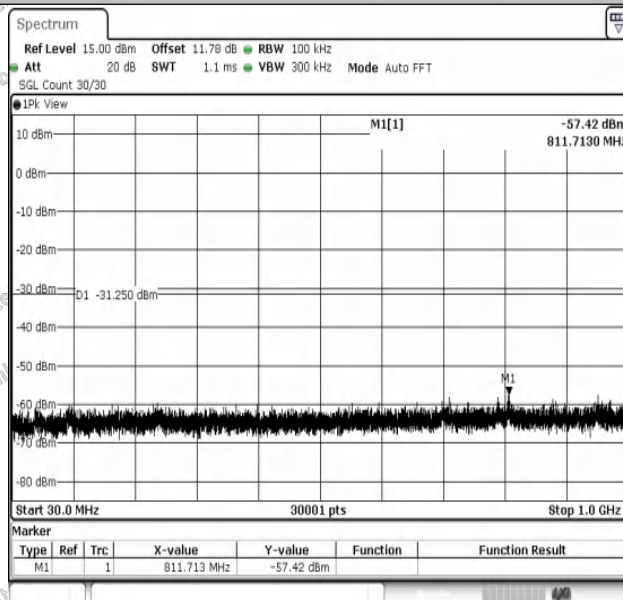


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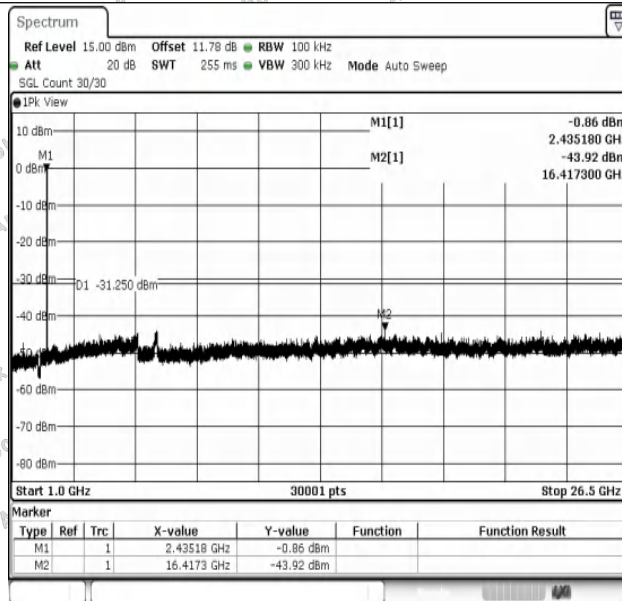


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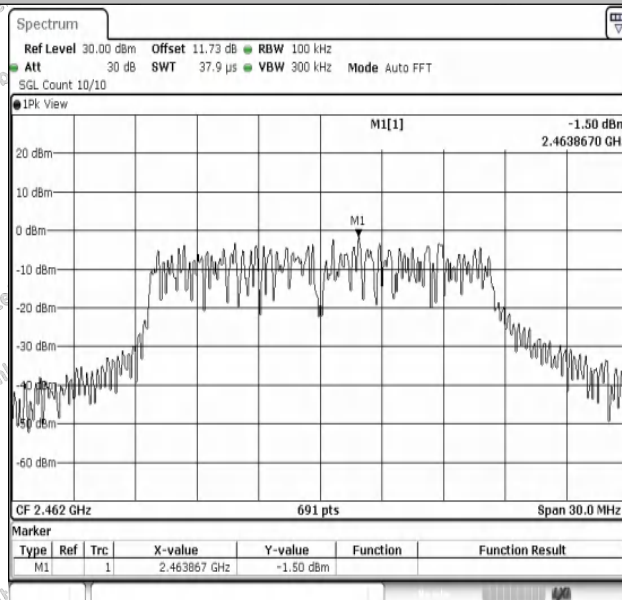


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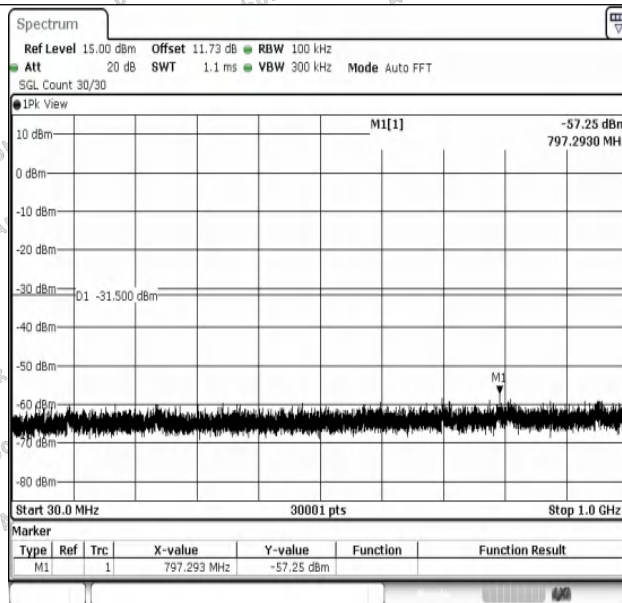


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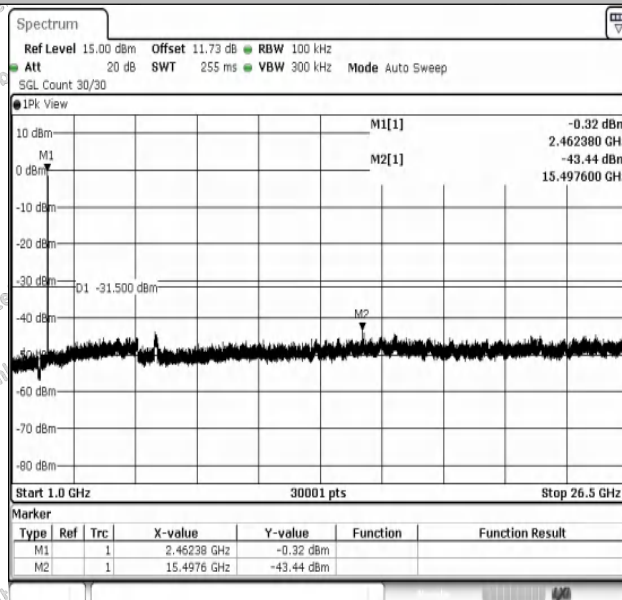


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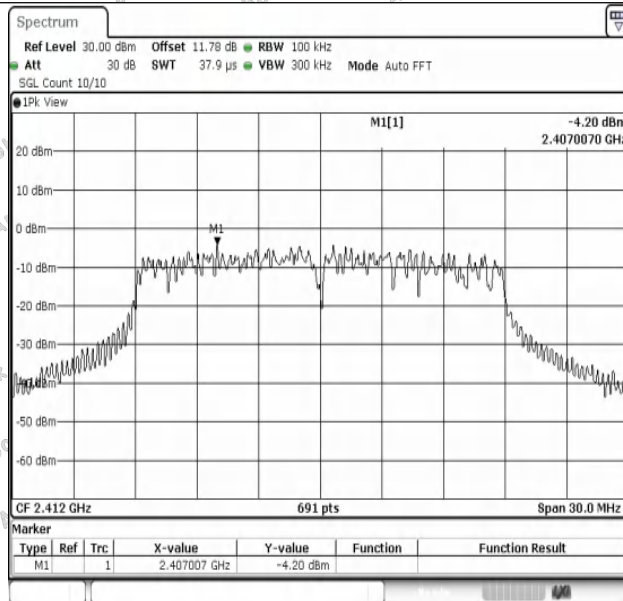


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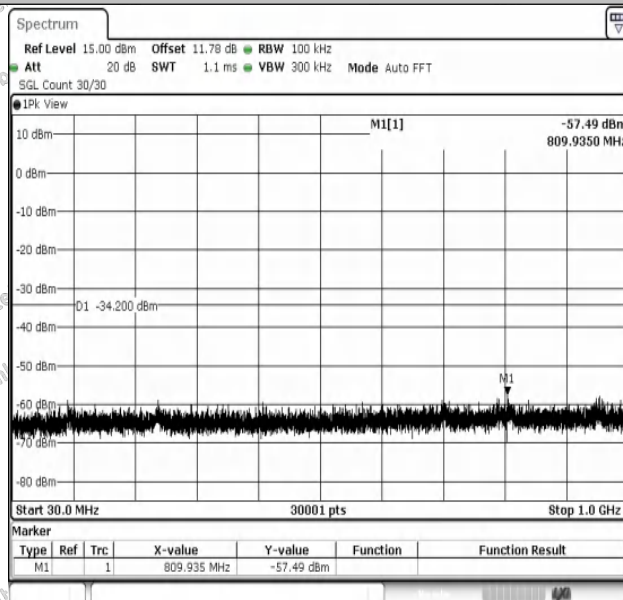


11G-Ant1-2462-1000~26500-PASS



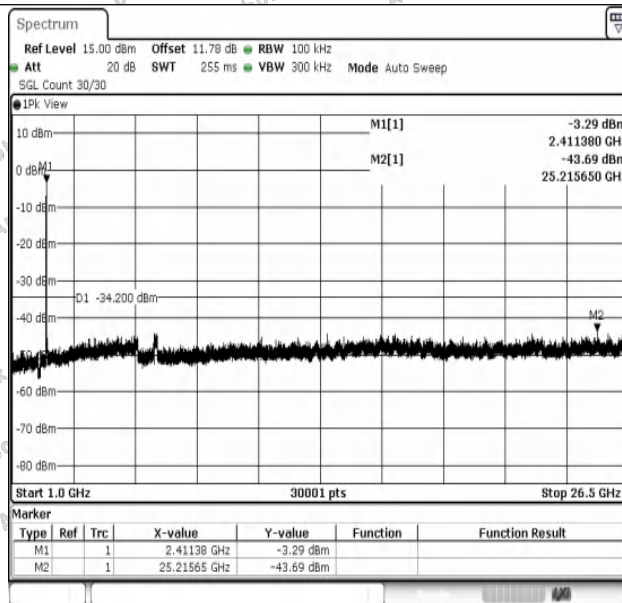


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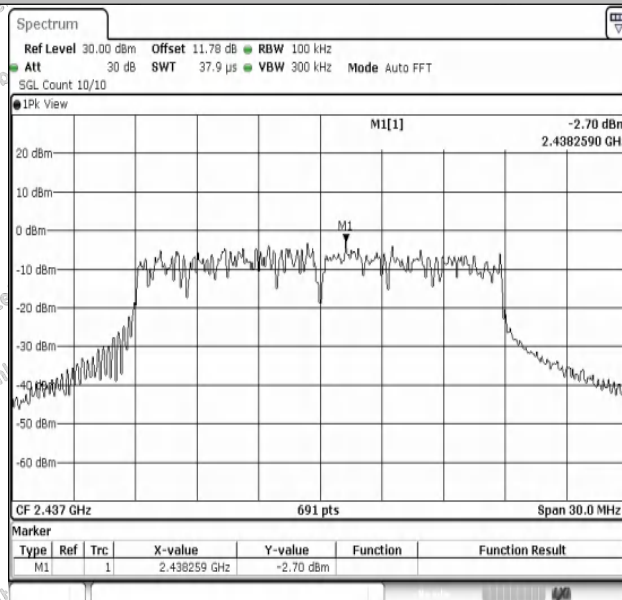


11N20SISO-Ant1-2412-30~1000-PASS



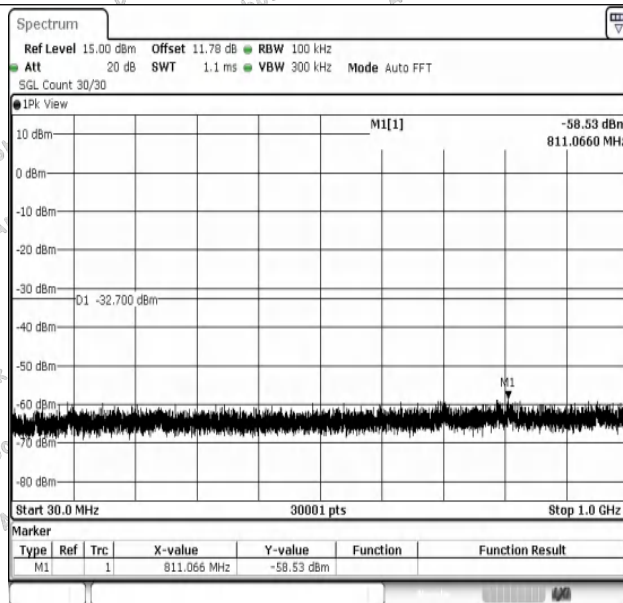


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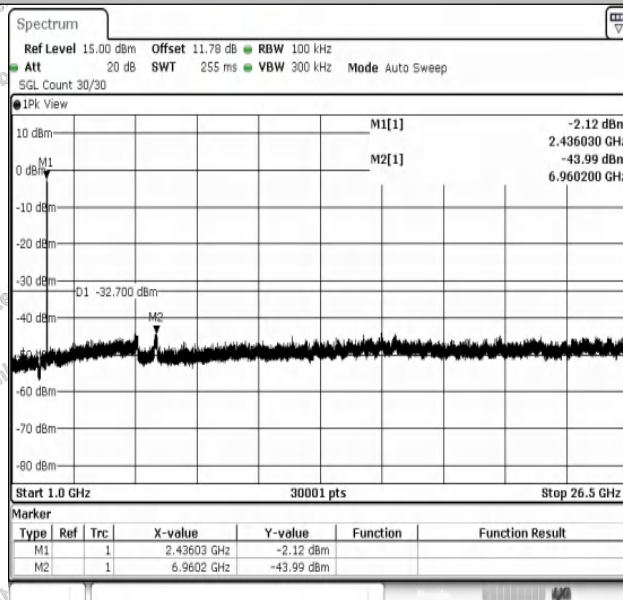


11N20SISO-Ant1-2437-0~Reference-PASS



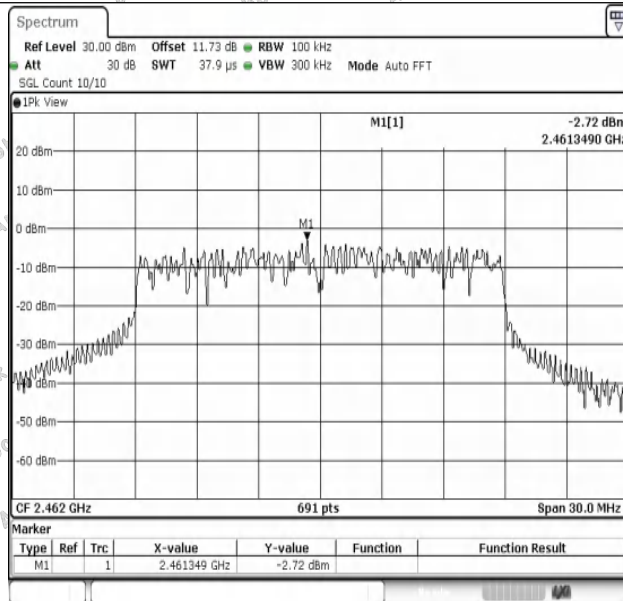


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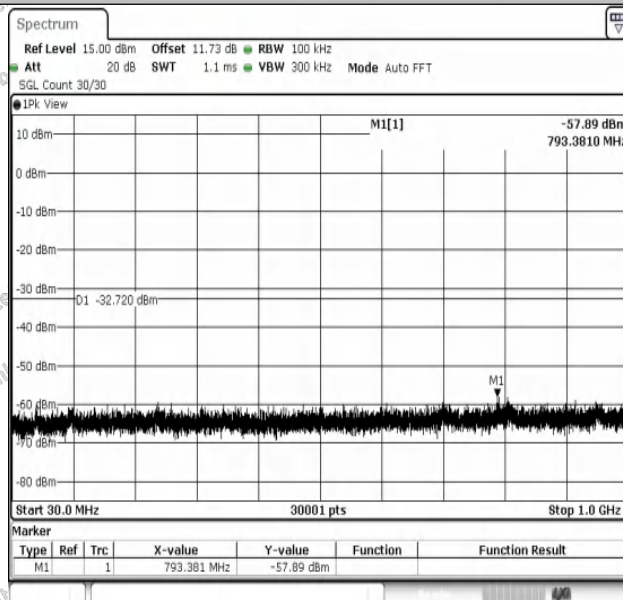


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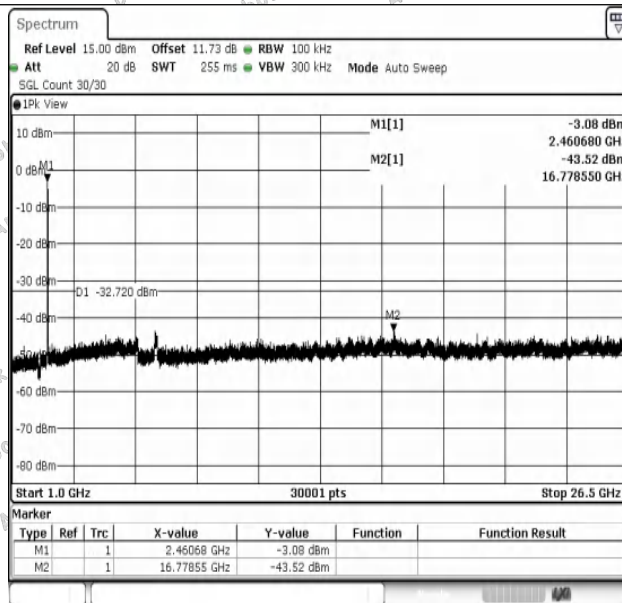


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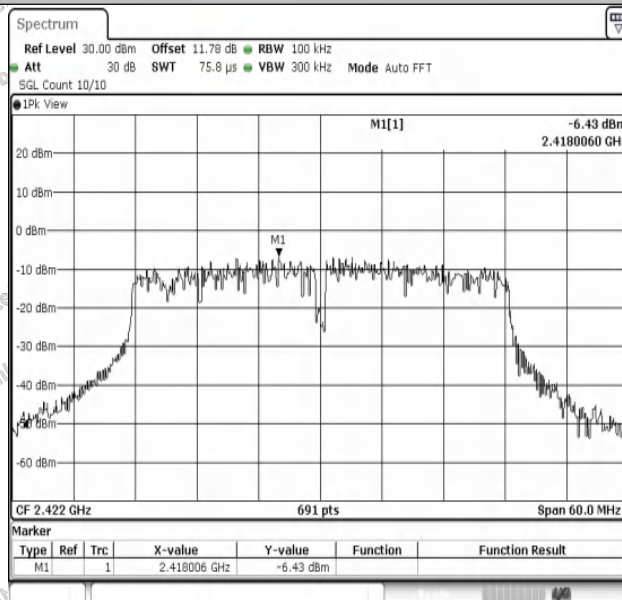


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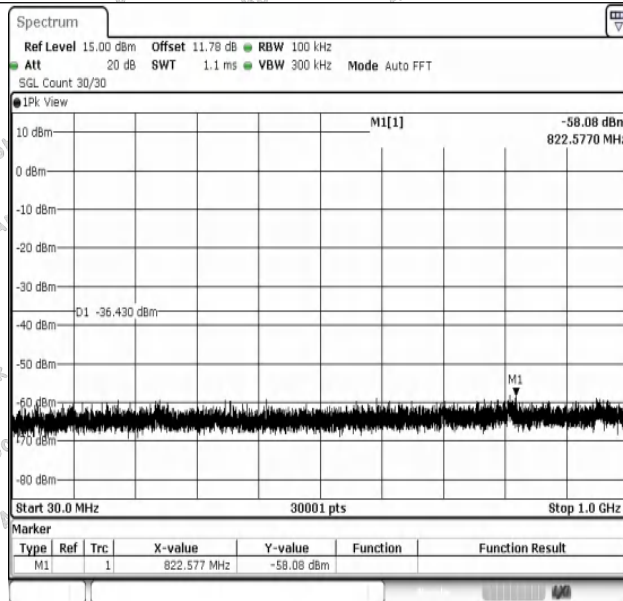


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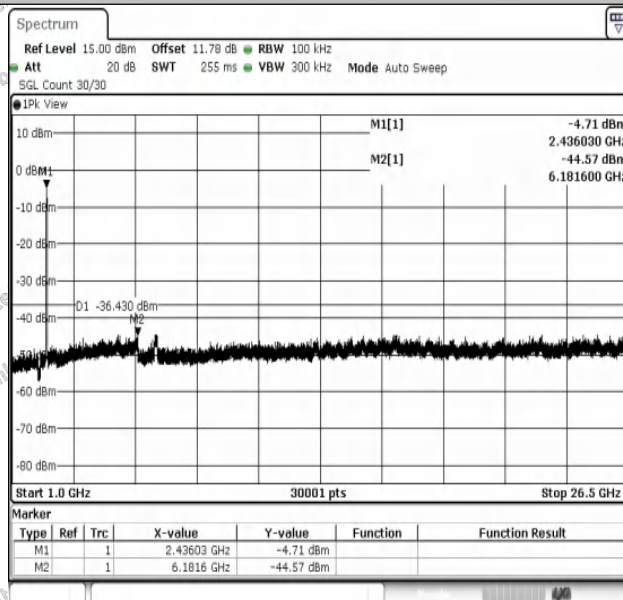


11N40SISO-Ant1-2422-0~Reference-PASS



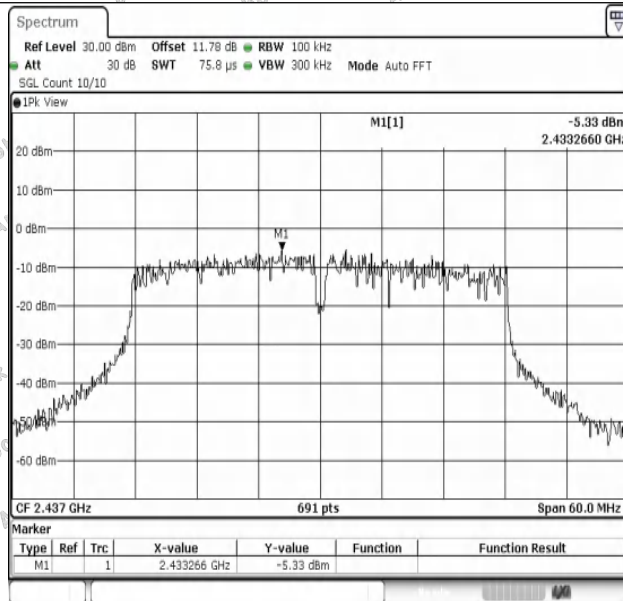


11N40SISO-Ant1-2422-30~1000-PASS

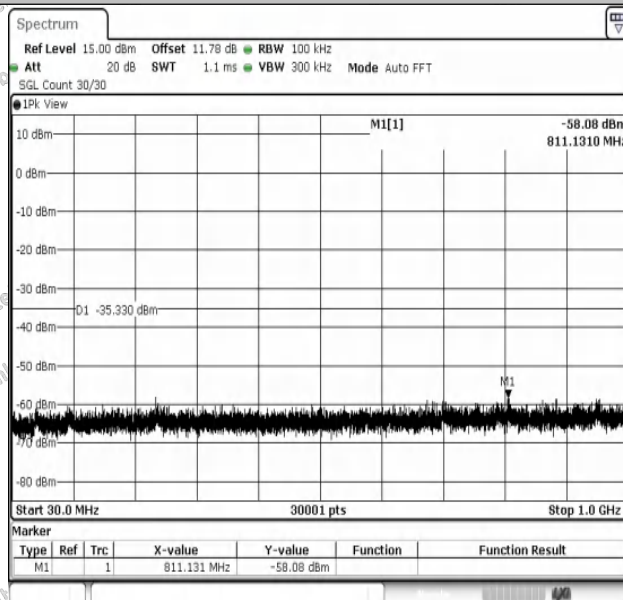


11N40SISO-Ant1-2422-1000~26500-PASS



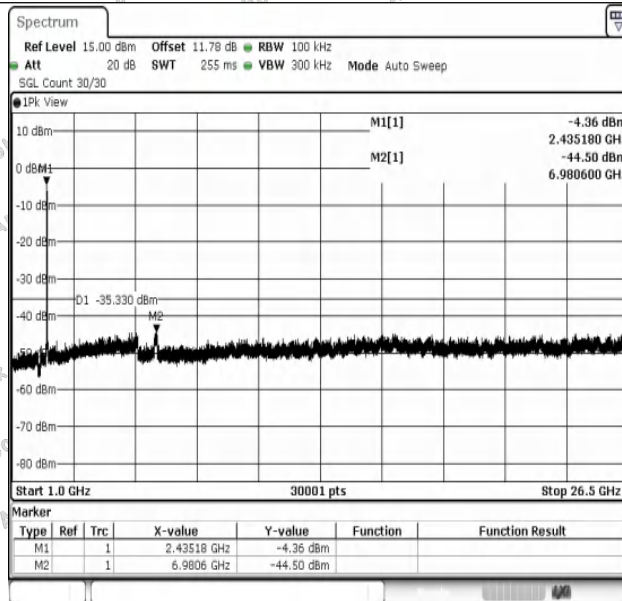


11N40SISO-Ant1-2437-0~Reference-PASS

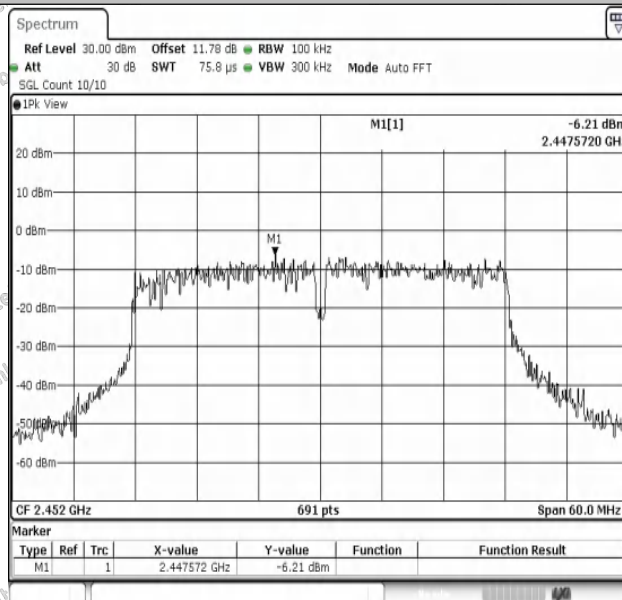


11N40SISO-Ant1-2437-30~1000-PASS



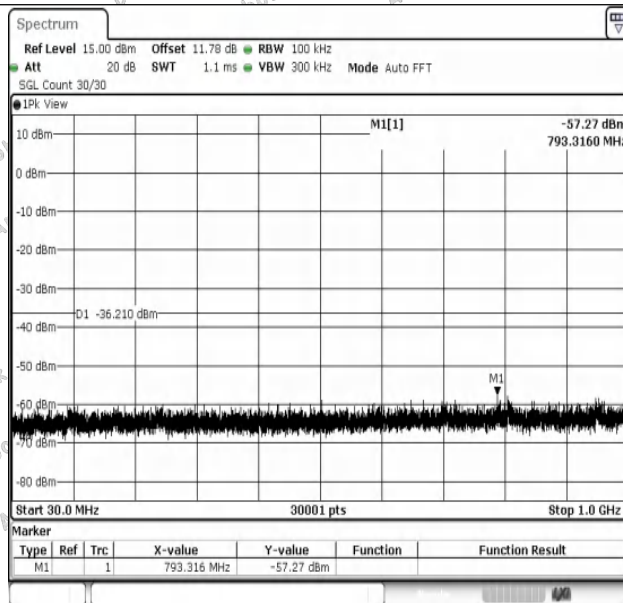


11N40SISO-Ant1-2437-1000~26500-PASS

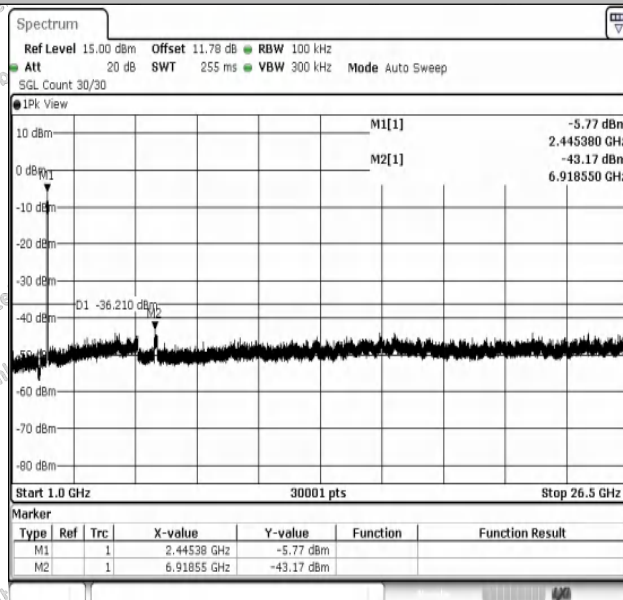


11N40SISO-Ant1-2452-0~Reference-PASS





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



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



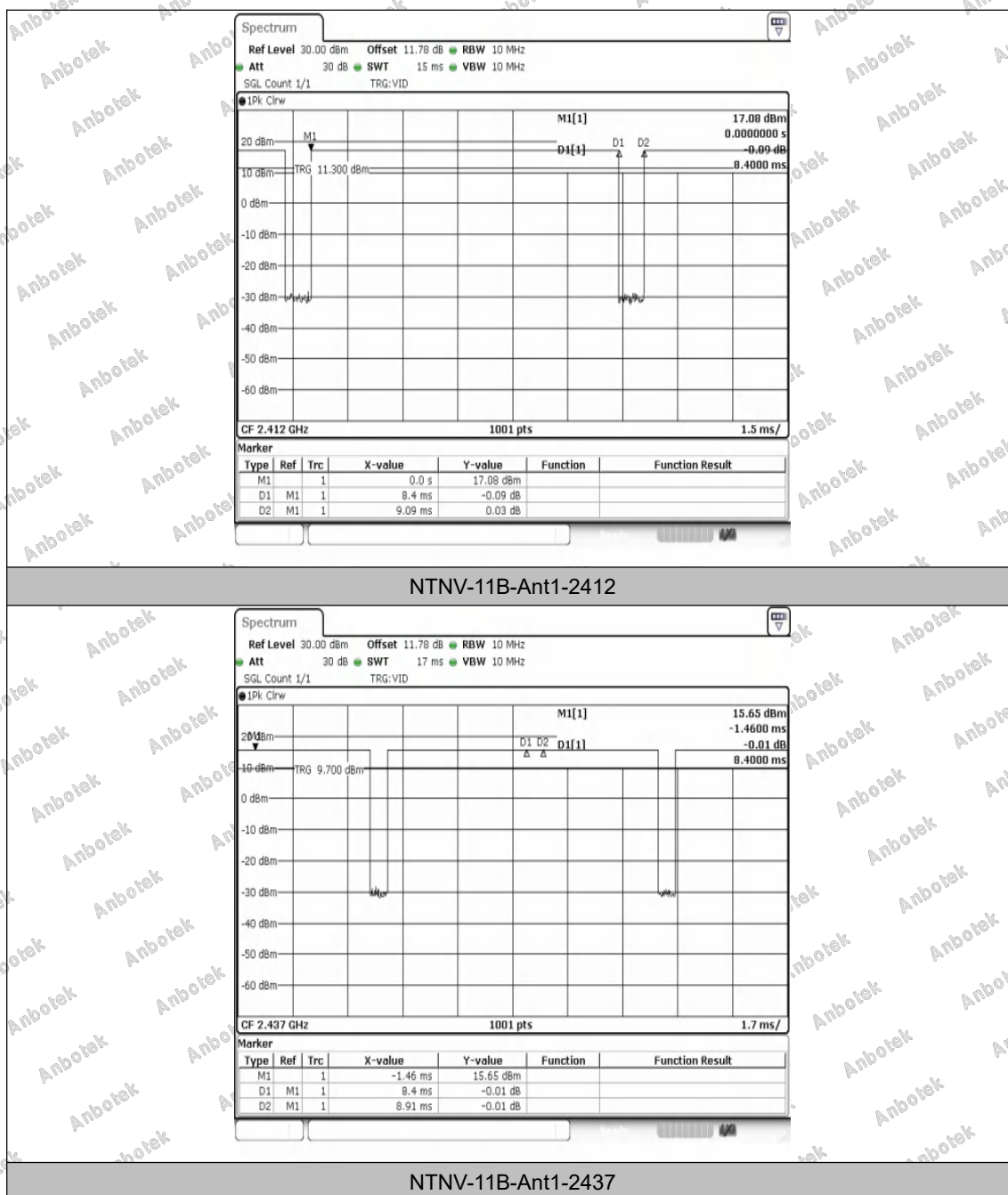
Appendix G: Duty Cycle

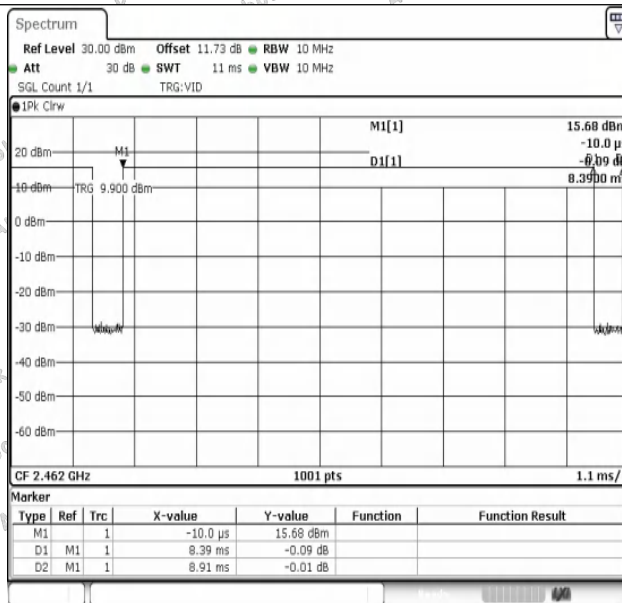
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	8.40	9.09	92.41	0.34
11B	Ant1	2437	8.40	8.91	94.28	0.26
11B	Ant1	2462	8.39	8.91	94.16	0.26
11G	Ant1	2412	1.40	1.94	72.16	1.42
11G	Ant1	2437	1.40	1.94	72.16	1.42
11G	Ant1	2462	1.39	1.91	72.77	1.38
11N20SISO	Ant1	2412	1.30	1.84	70.65	1.51
11N20SISO	Ant1	2437	1.30	1.84	70.65	1.51
11N20SISO	Ant1	2462	1.31	1.85	70.81	1.50
11N40SISO	Ant1	2422	0.64	1.18	54.24	2.66
11N40SISO	Ant1	2437	0.64	1.18	54.24	2.66
11N40SISO	Ant1	2452	0.65	1.19	54.62	2.63

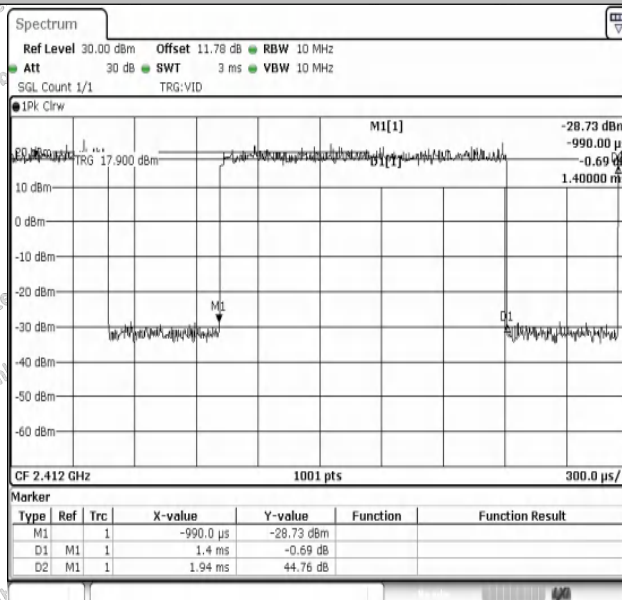


Test Graphs



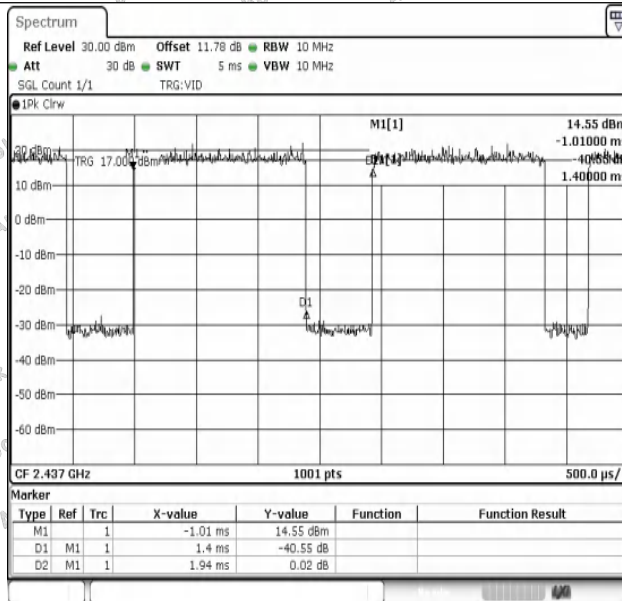


NTNV-11B-Ant1-2462

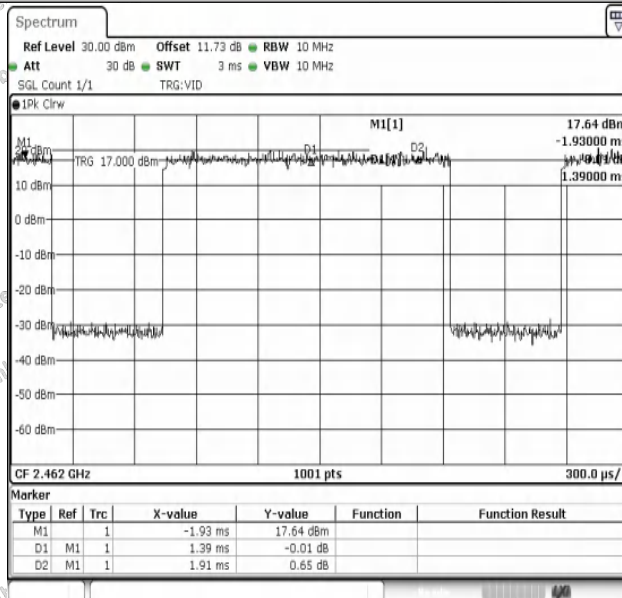


NTNV-11G-Ant1-2412



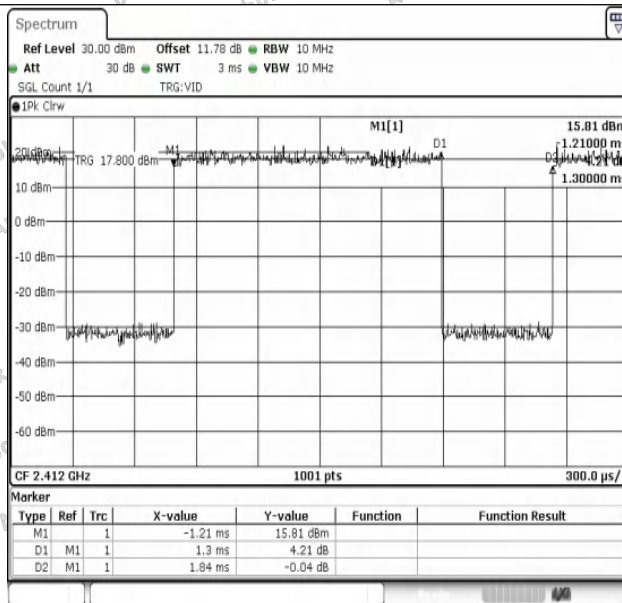


NTNV-11G-Ant1-2437

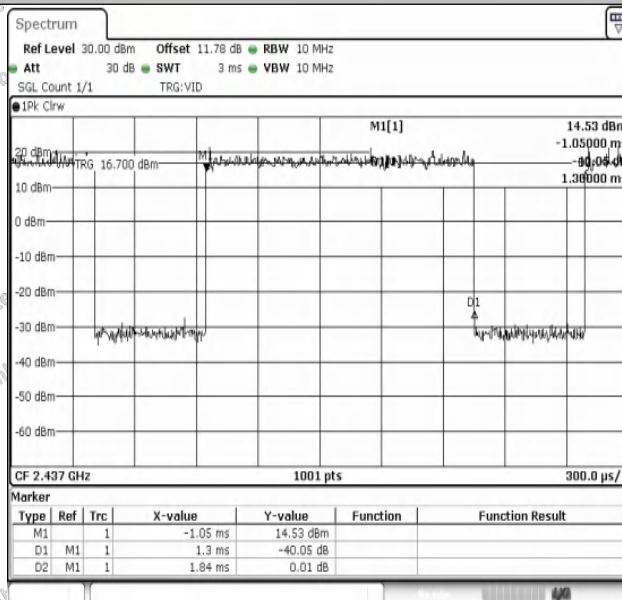


NTNV-11G-Ant1-2462



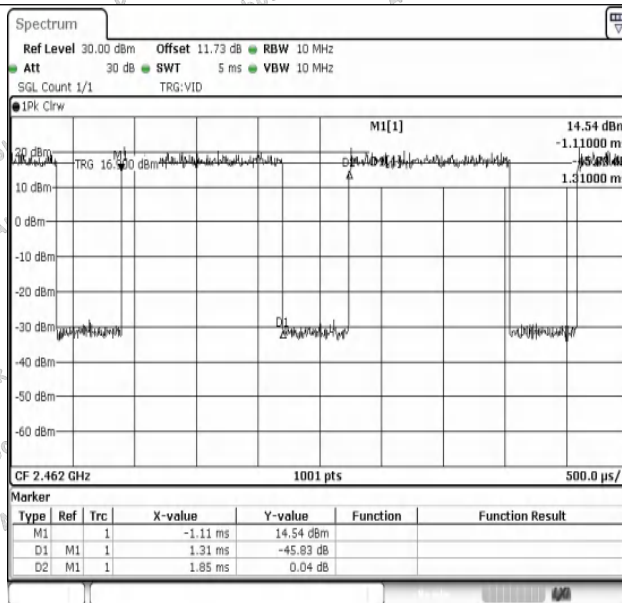


NTNV-11N20SISO-Ant1-2412

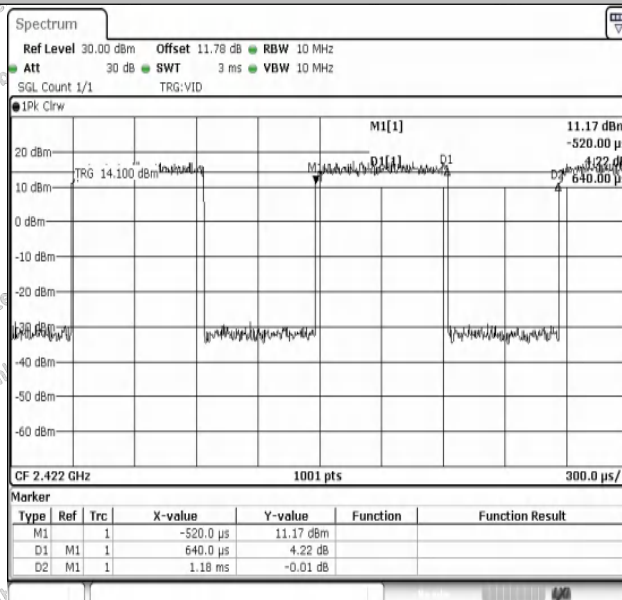


NTNV-11N20SISO-Ant1-2437



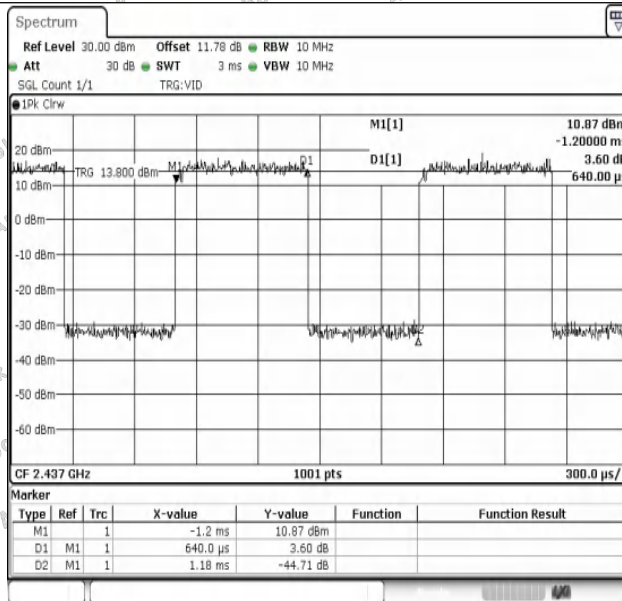


NTNV-11N20SISO-Ant1-2462

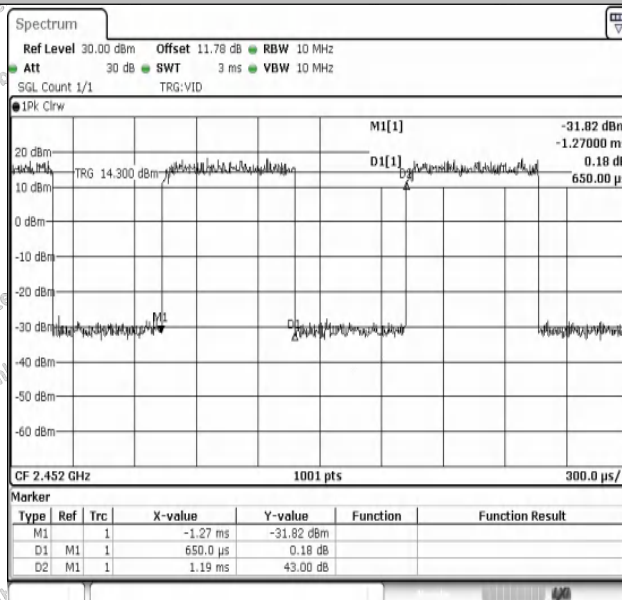


NTNV-11N40SISO-Ant1-2422





NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

