

Appendix Test Data

Report No:	1812C40019912502	Test Sample NO:	1-2-2
Start Test Date:	2024.08.19	Finish Test Date:	2024.08.19
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	56%
Pressure:	101 kPa		

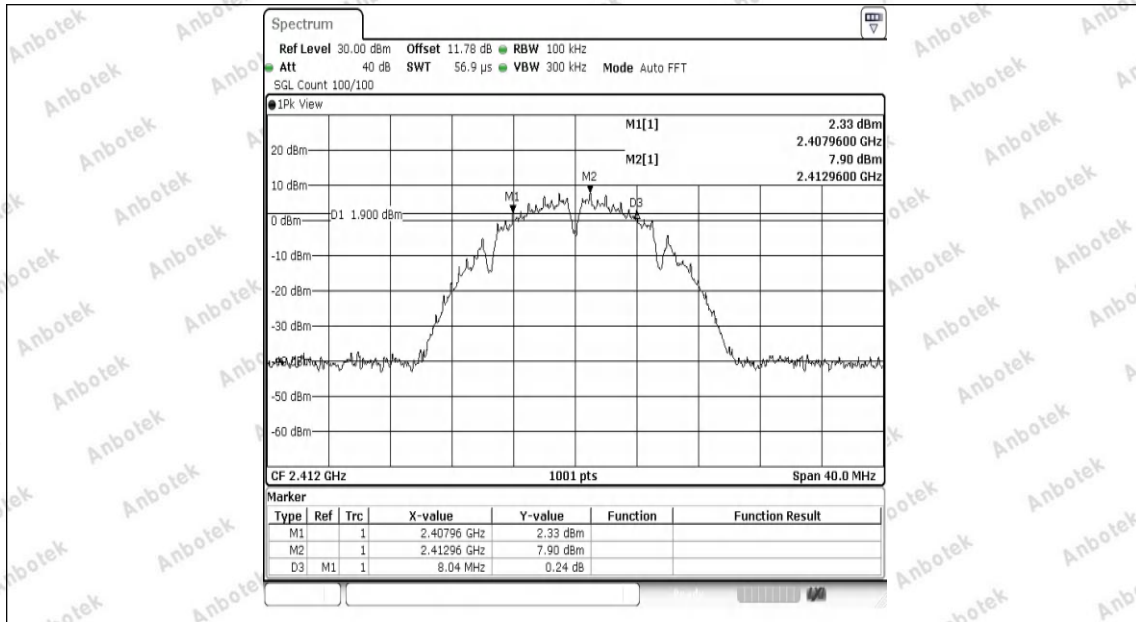
Appendix A: DTS Bandwidth

Test Result

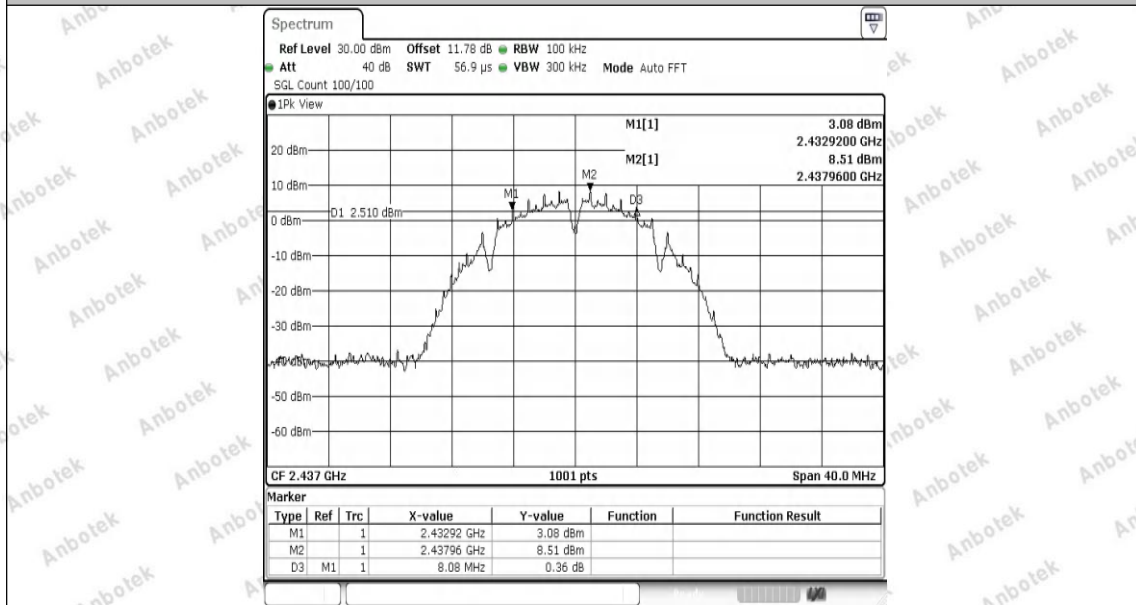
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.04	2407.96	2416.00	0.5	PASS
11B	Ant1	2437	8.08	2432.92	2441.00	0.5	PASS
11B	Ant1	2462	8.04	2457.92	2465.96	0.5	PASS
11G	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
11G	Ant1	2437	16.32	2428.80	2445.12	0.5	PASS
11G	Ant1	2462	16.32	2453.80	2470.12	0.5	PASS
11N20SISO	Ant1	2412	17.56	2403.20	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



Test Graphs

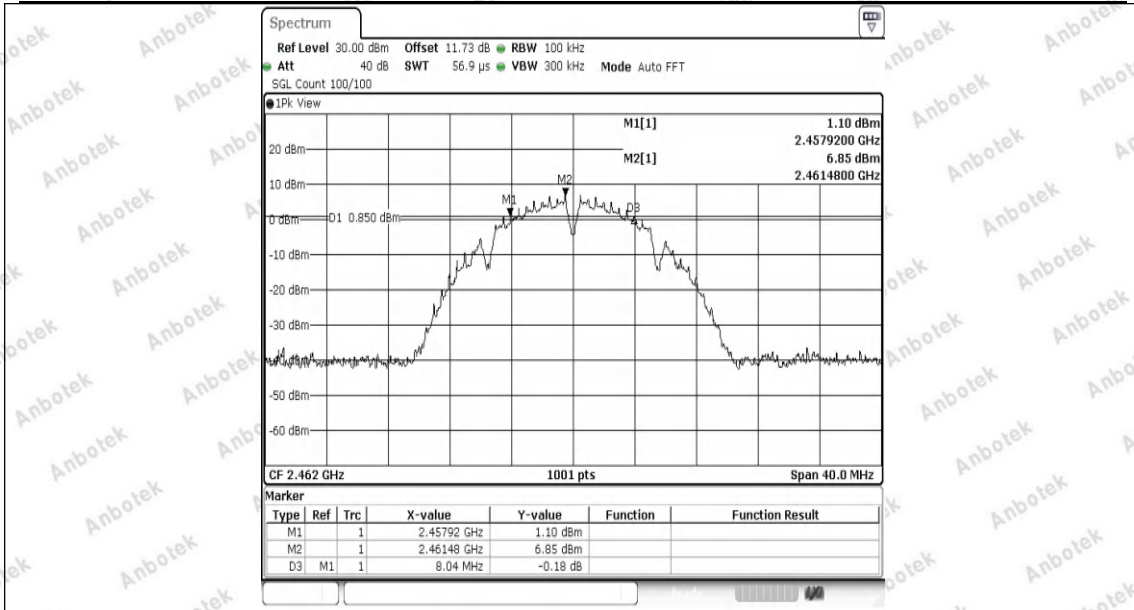


11B-Ant1-2412-PASS

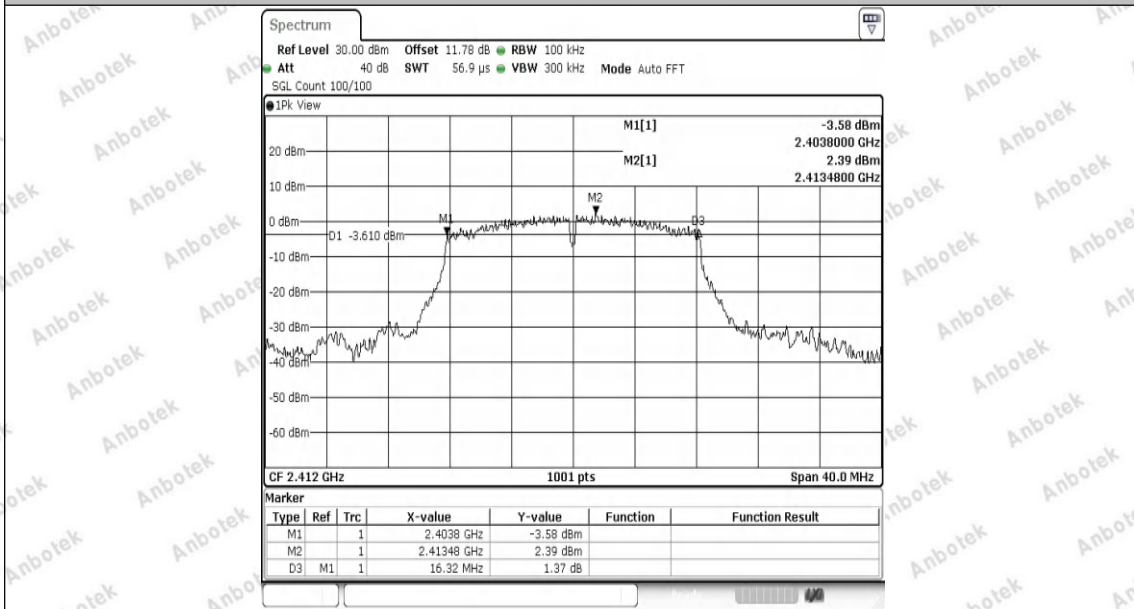


11B-Ant1-2437-PASS



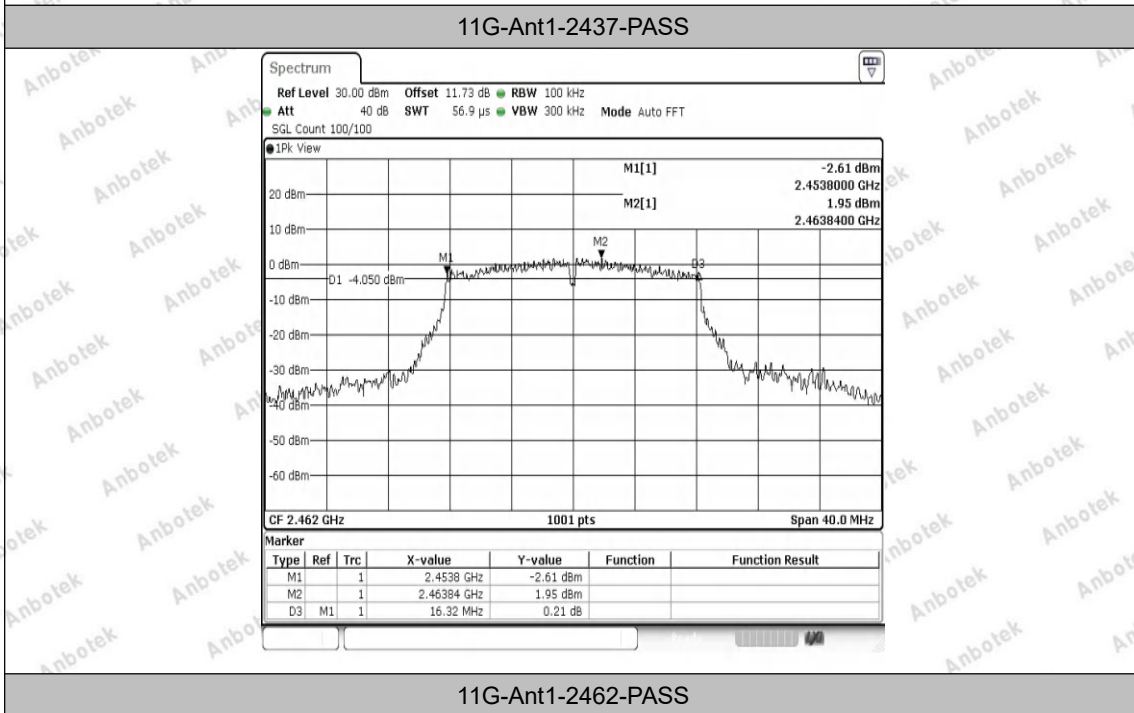
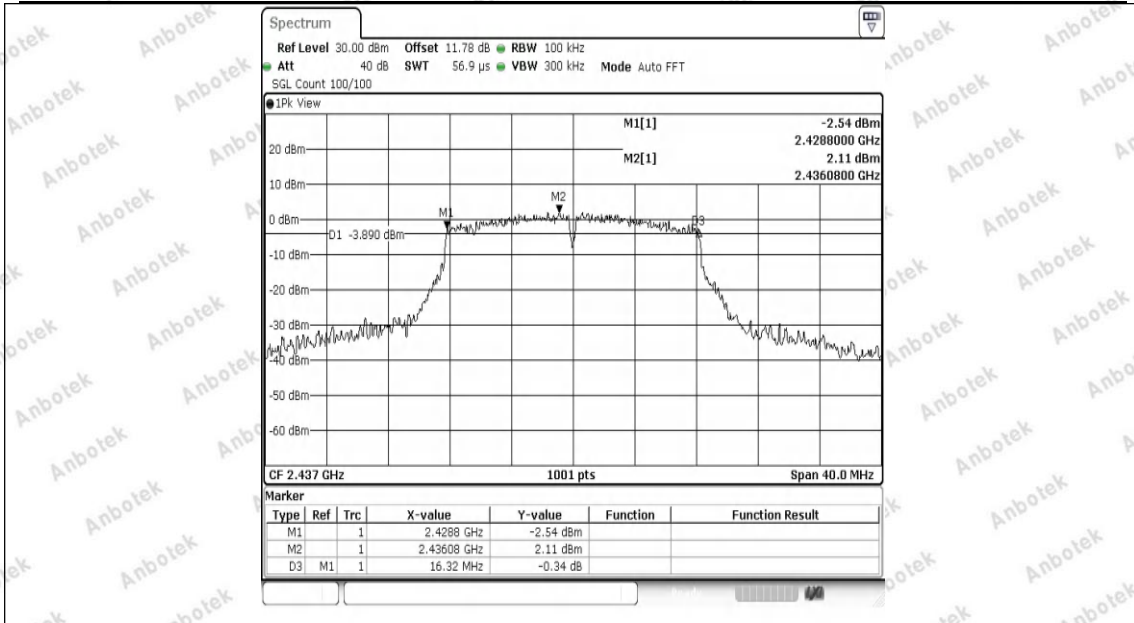


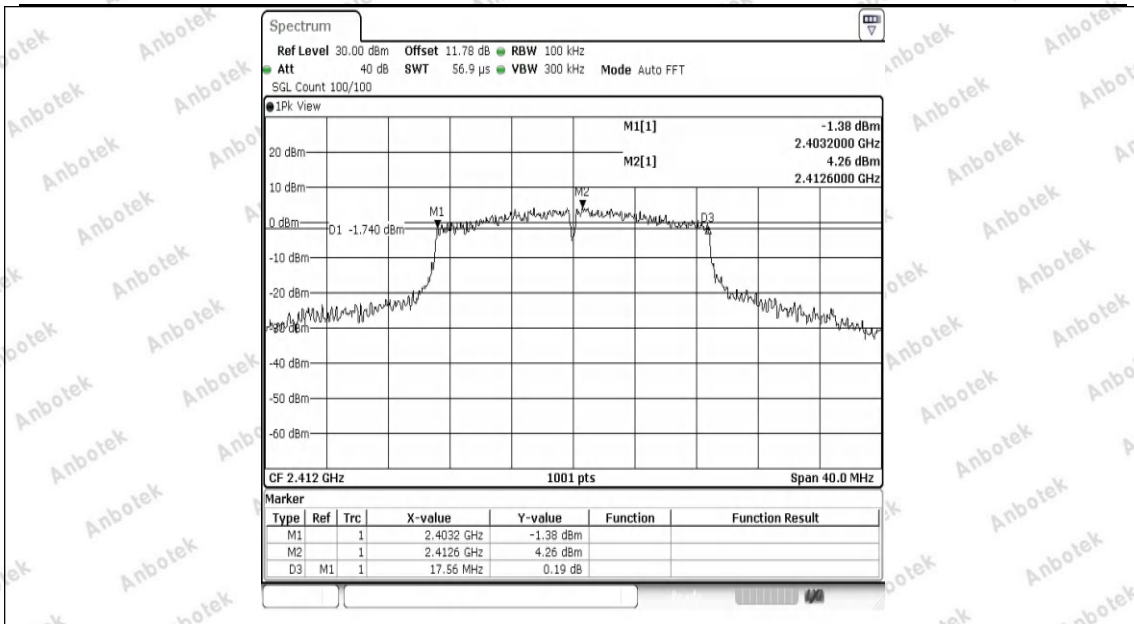
11B-Ant1-2462-PASS



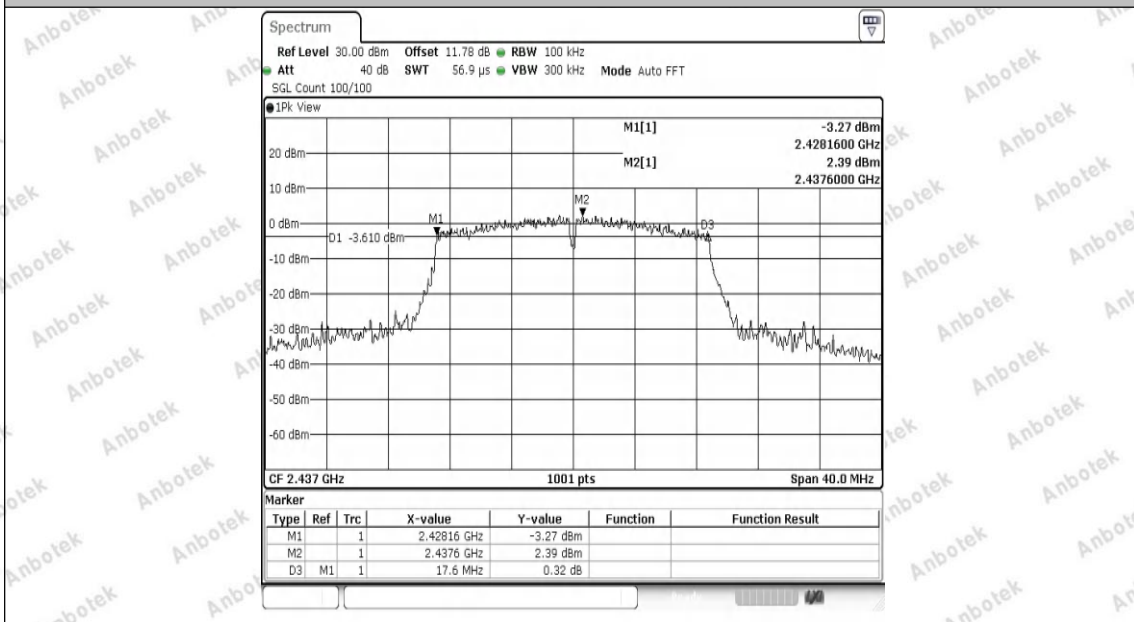
11G-Ant1-2412-PASS





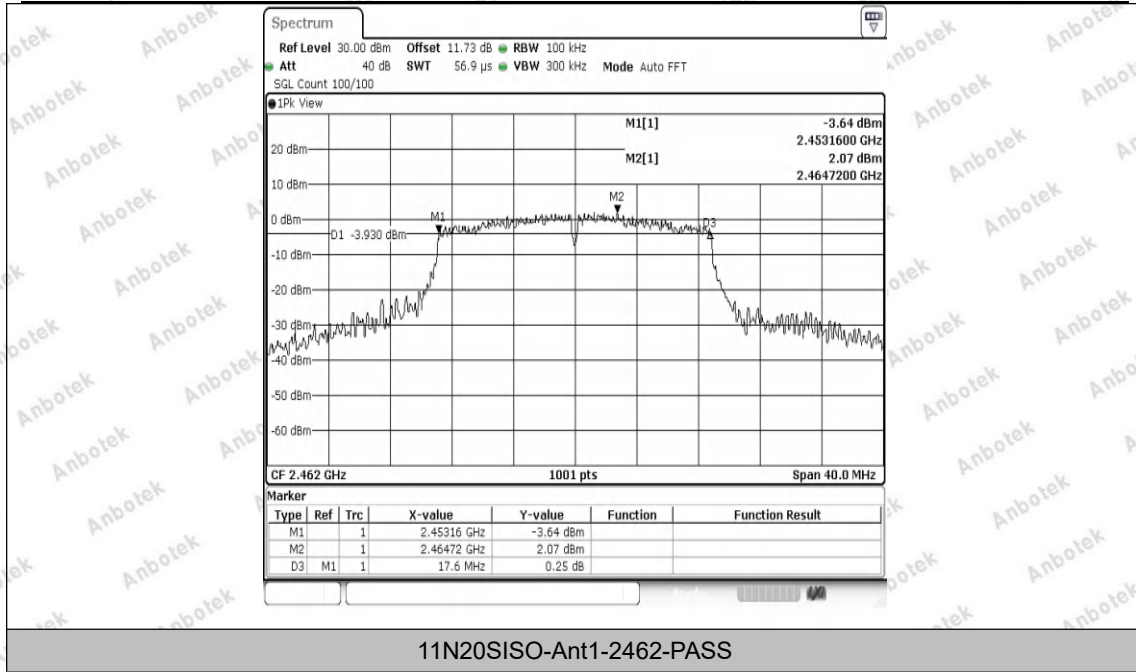


11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS





11N20SISO-Ant1-2462-PASS

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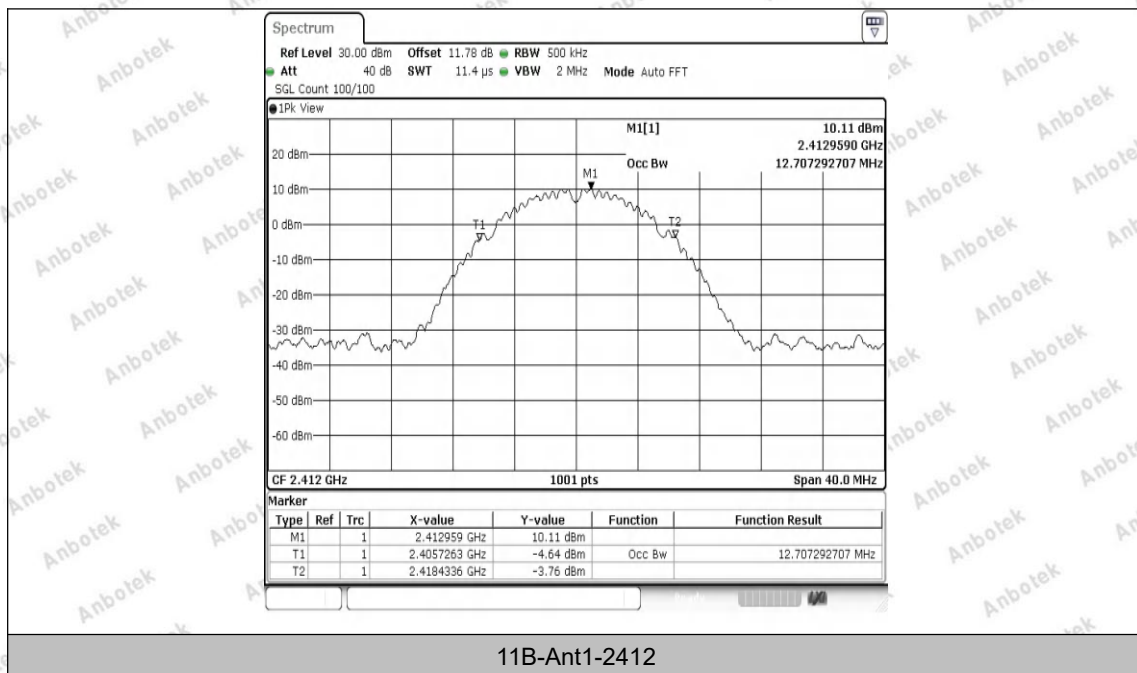


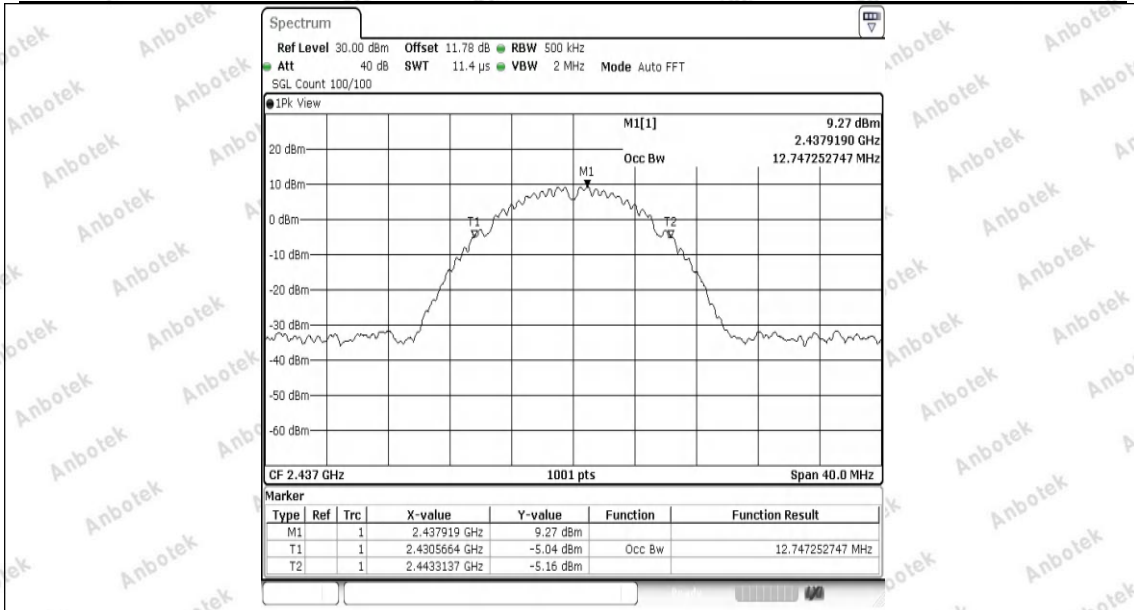
Appendix B: Occupied Channel Bandwidth

Test Result

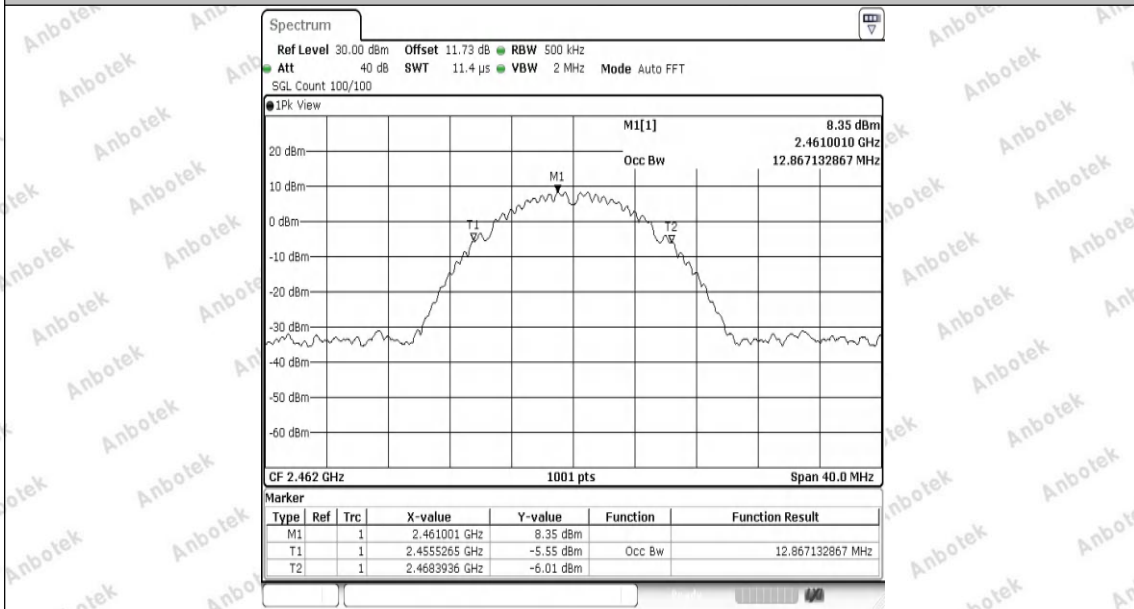
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.707	2405.7263	2418.4336	---	---
11B	Ant1	2437	12.747	2430.5664	2443.3137	---	---
11B	Ant1	2462	12.867	2455.5265	2468.3936	---	---
11G	Ant1	2412	17.023	2403.4086	2420.4316	---	---
11G	Ant1	2437	17.263	2428.2887	2445.5514	---	---
11G	Ant1	2462	16.783	2453.5285	2470.3117	---	---
11N20SISO	Ant1	2412	17.902	2403.1688	2421.0709	---	---
11N20SISO	Ant1	2437	17.862	2428.0490	2445.9111	---	---
11N20SISO	Ant1	2462	17.942	2452.9690	2470.9111	---	---

Test Graphs



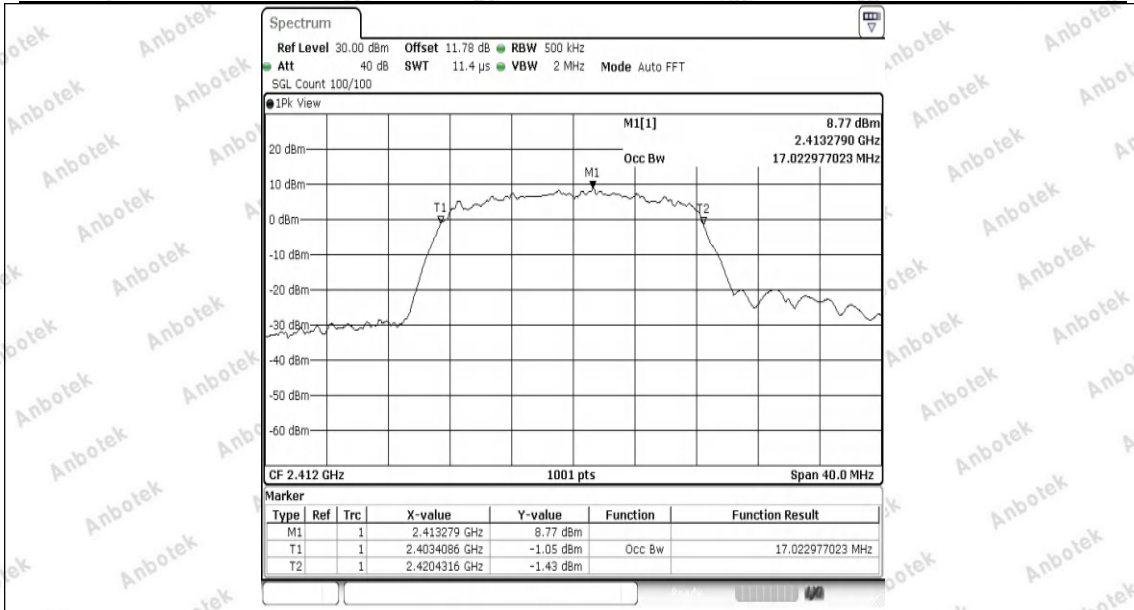


11B-Ant1-2437

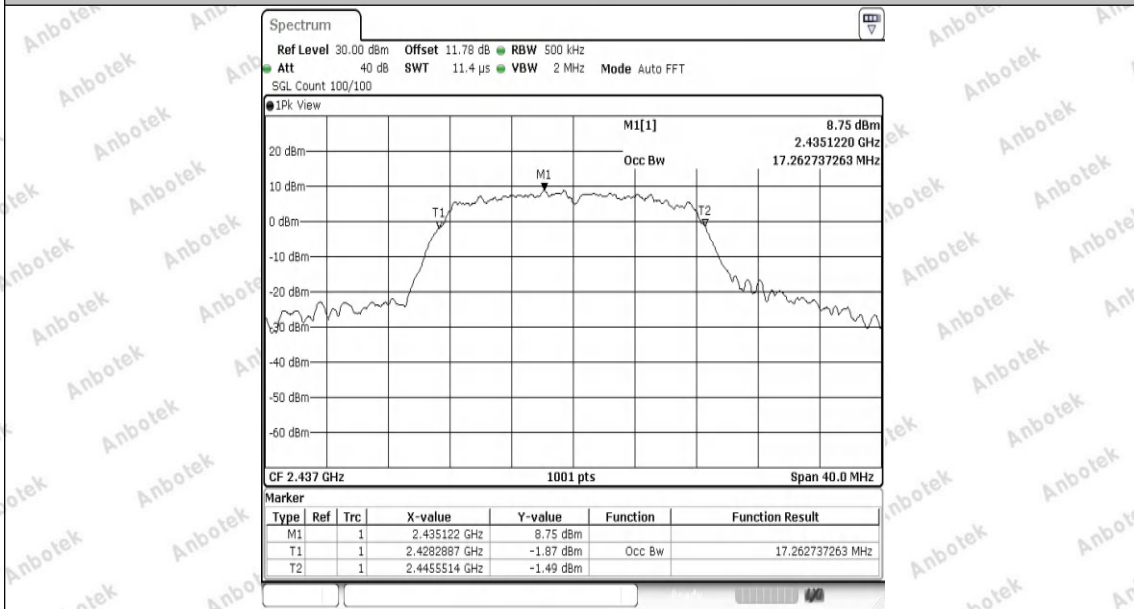


11B-Ant1-2462



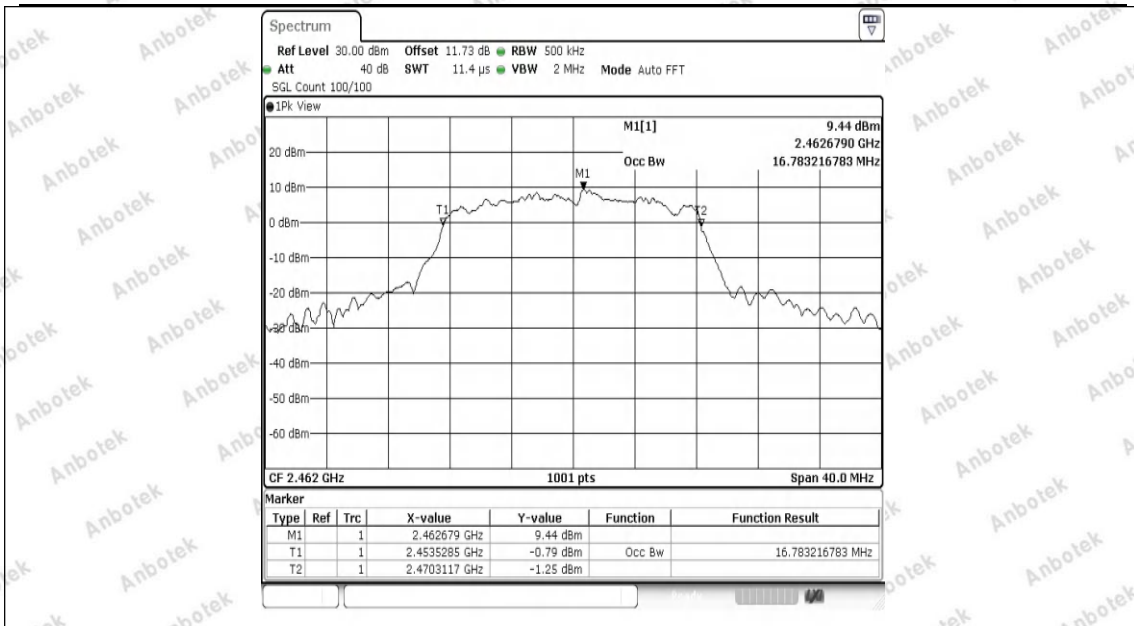


11G-Ant1-2412

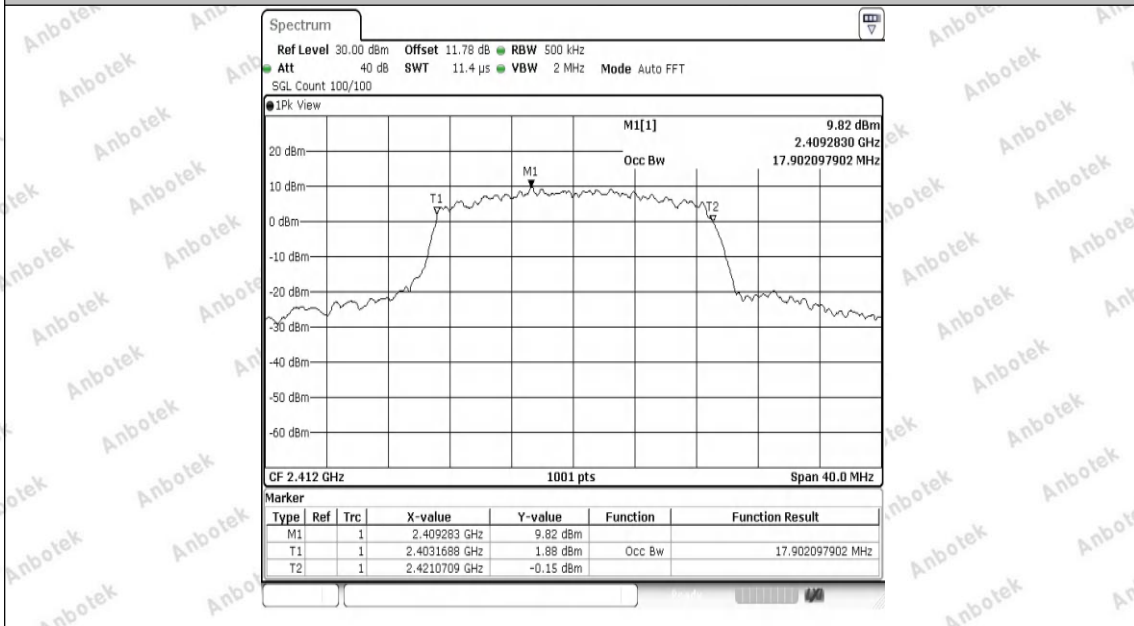


11G-Ant1-2437



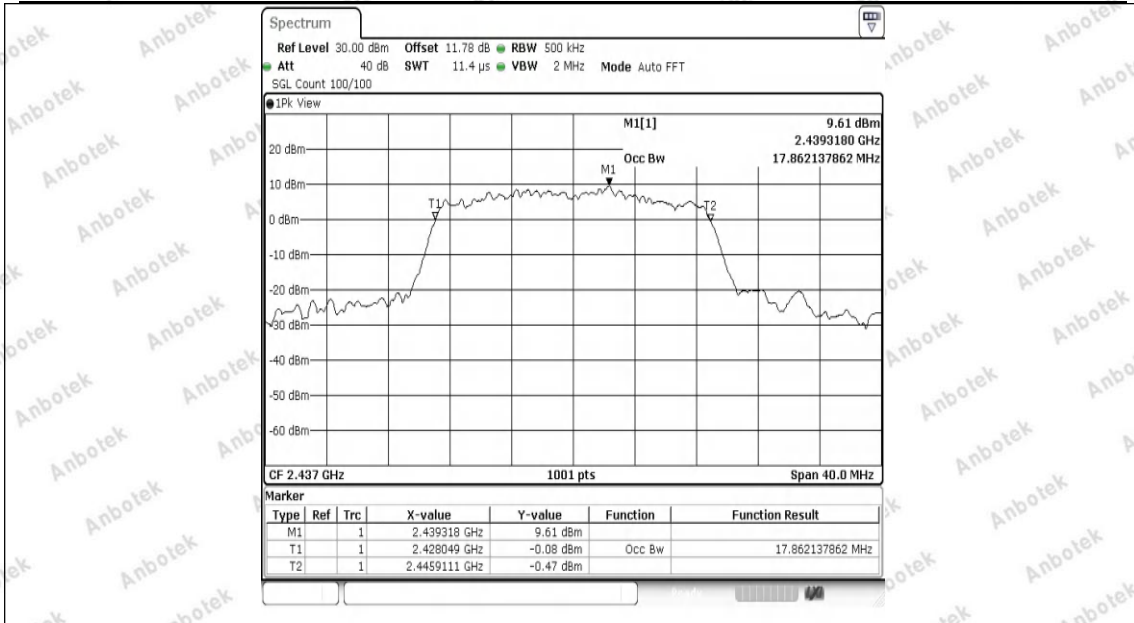


11G-Ant1-2462

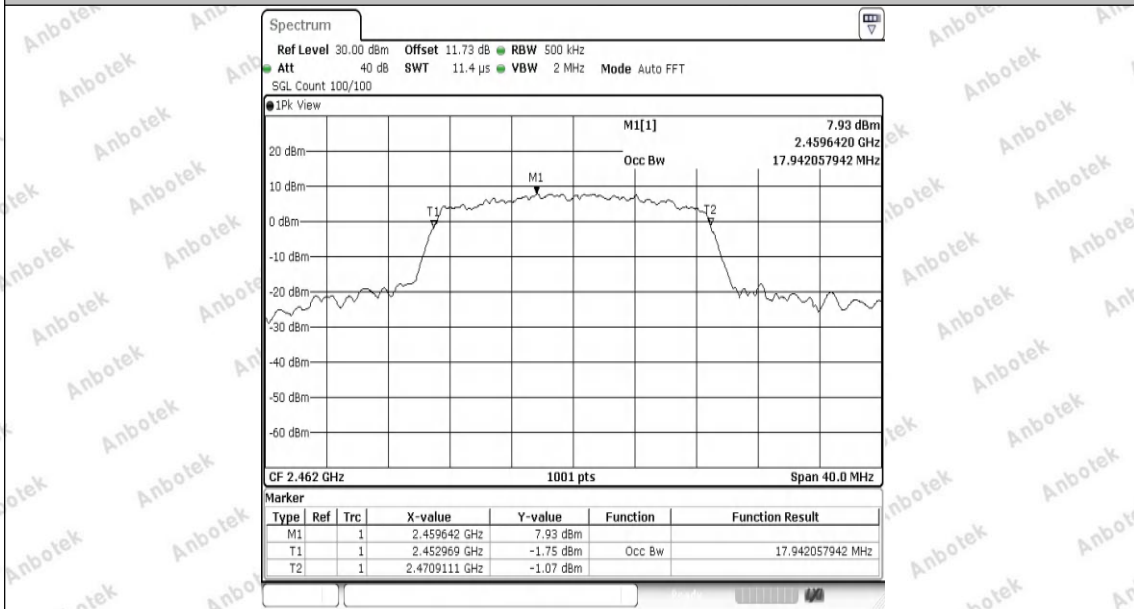


11N20SISO-Ant1-2412





11N20SISO-Ant1-2437



11N20SISO-Ant1-2462



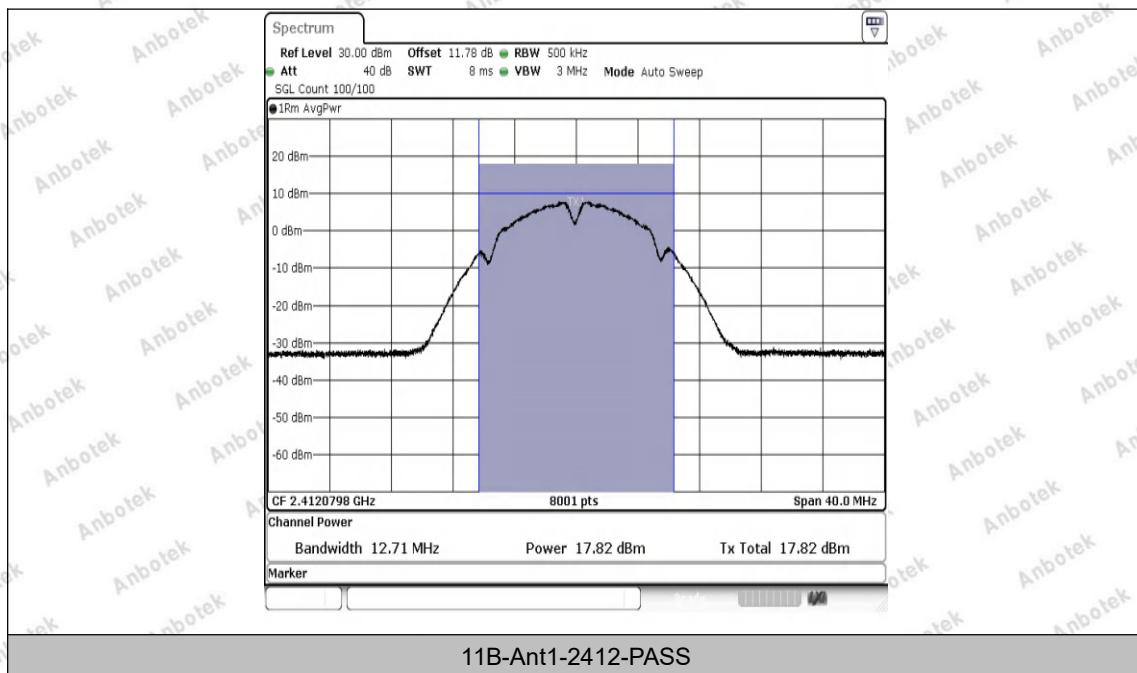
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.82	100.00	0.00	17.82	≤30.00	PASS
11B	Ant1	2437	17.00	100.00	0.00	17.00	≤30.00	PASS
11B	Ant1	2462	16.08	100.00	0.00	16.08	≤30.00	PASS
11G	Ant1	2412	16.42	100.00	0.00	16.42	≤30.00	PASS
11G	Ant1	2437	16.19	100.00	0.00	16.19	≤30.00	PASS
11G	Ant1	2462	16.18	100.00	0.00	16.18	≤30.00	PASS
11N20SISO	Ant1	2412	16.59	100.00	0.00	16.59	≤30.00	PASS
11N20SISO	Ant1	2437	16.02	100.00	0.00	16.02	≤30.00	PASS
11N20SISO	Ant1	2462	16.24	100.00	0.00	16.24	≤30.00	PASS

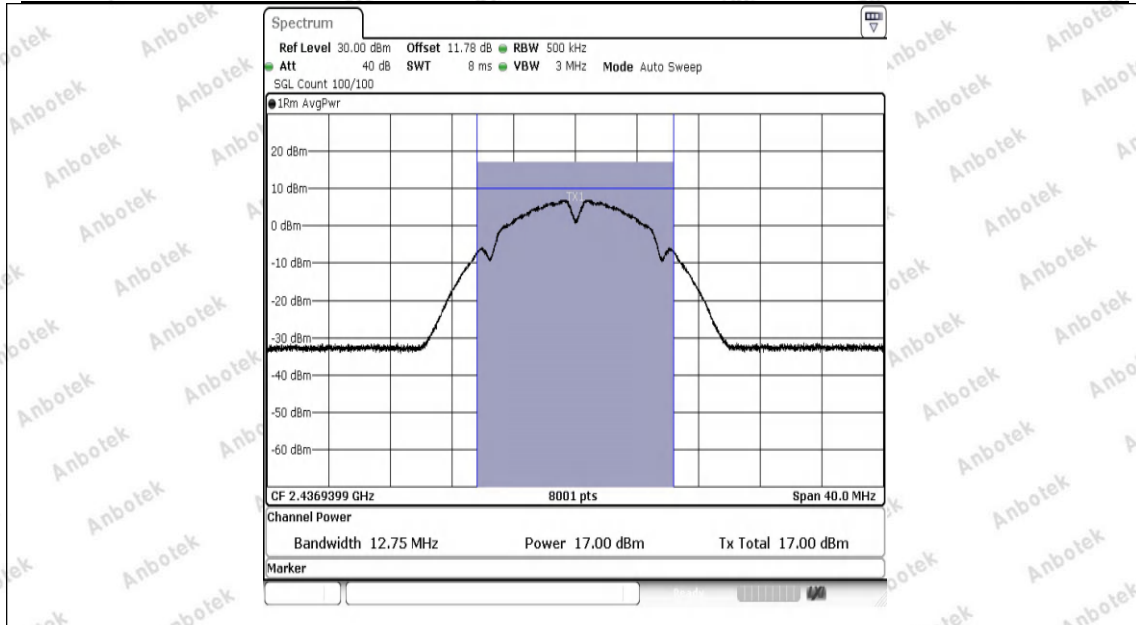
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

Test Graphs Average

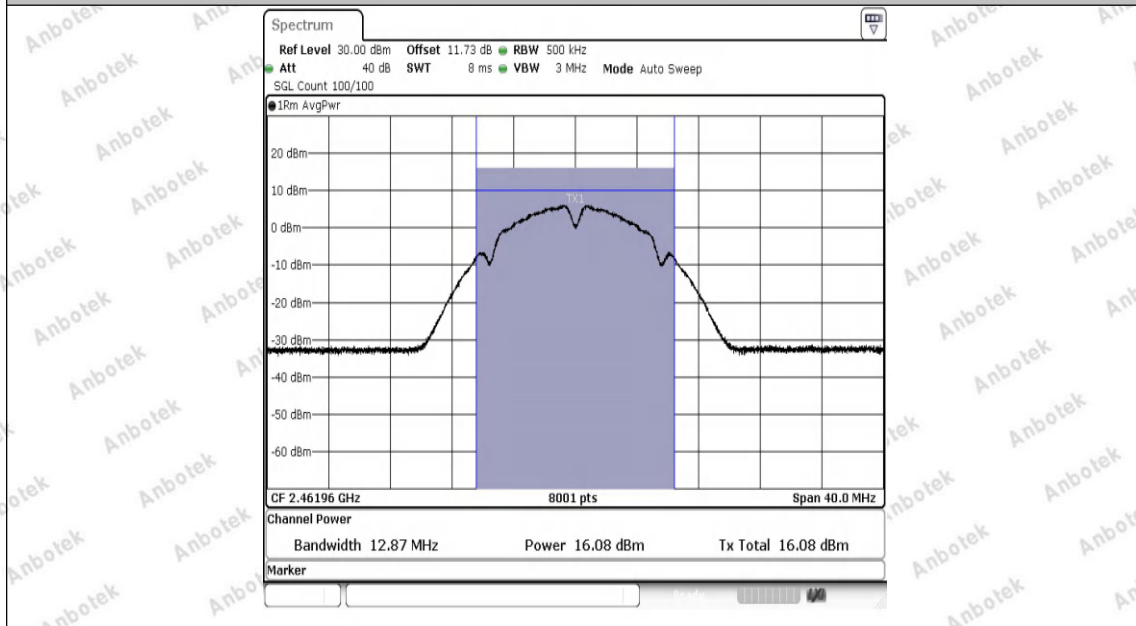


11B-Ant1-2412-PASS



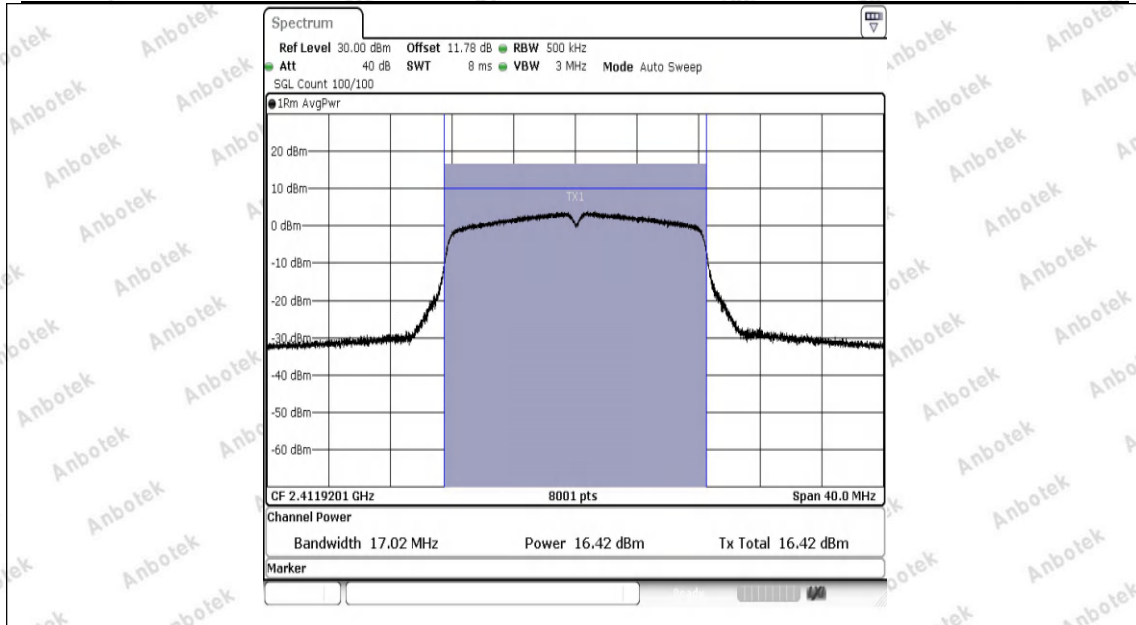


11B-Ant1-2437-PASS

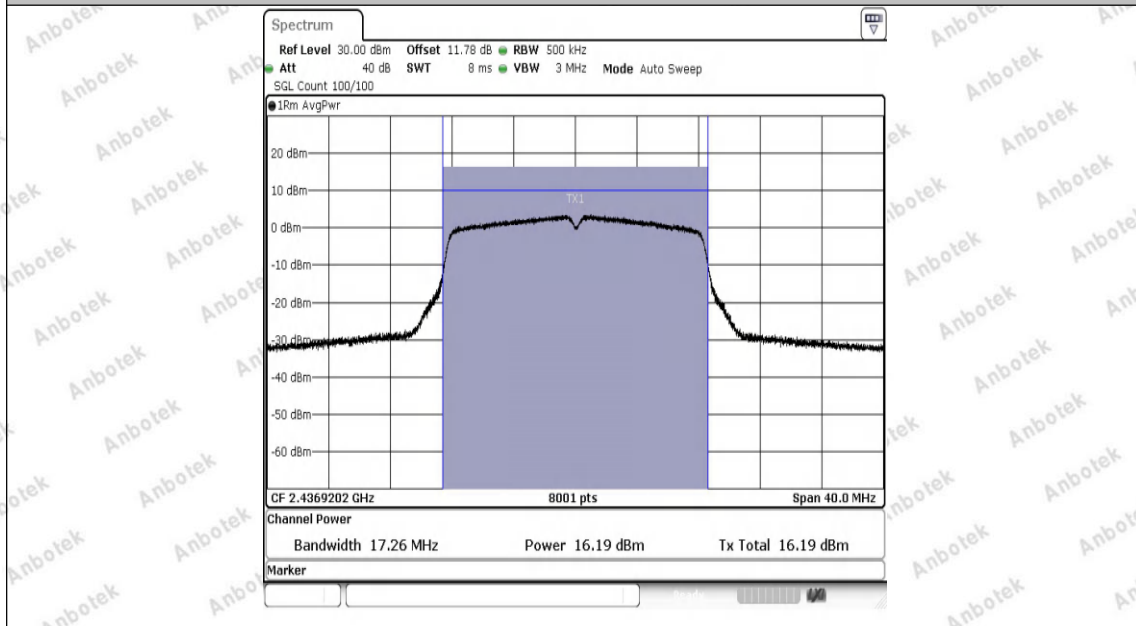


11B-Ant1-2462-PASS



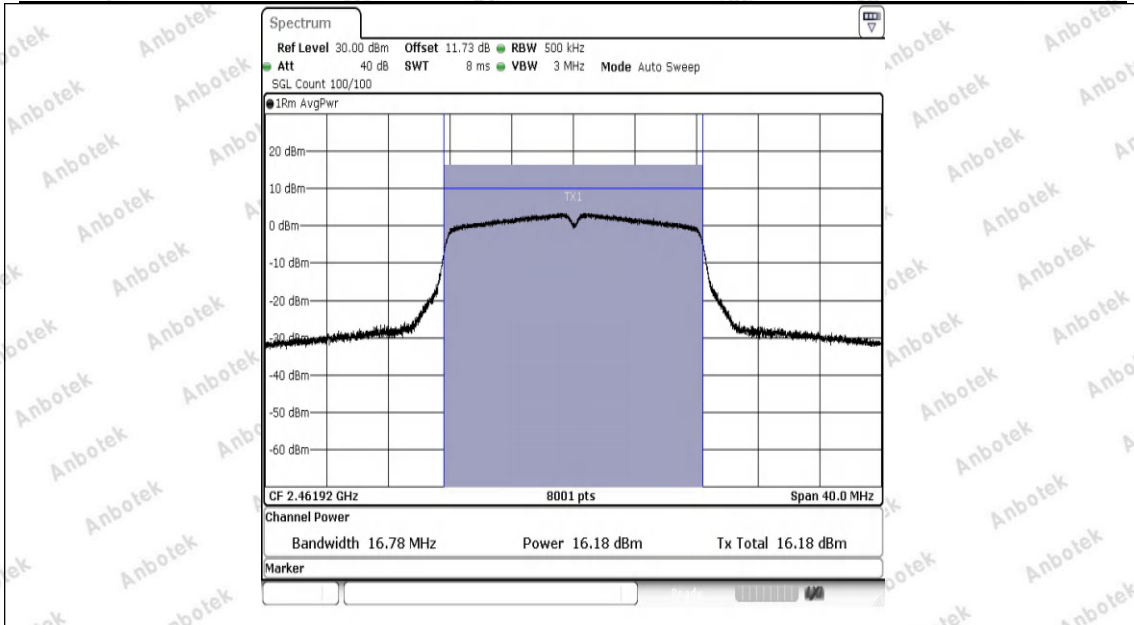


11G-Ant1-2412-PASS

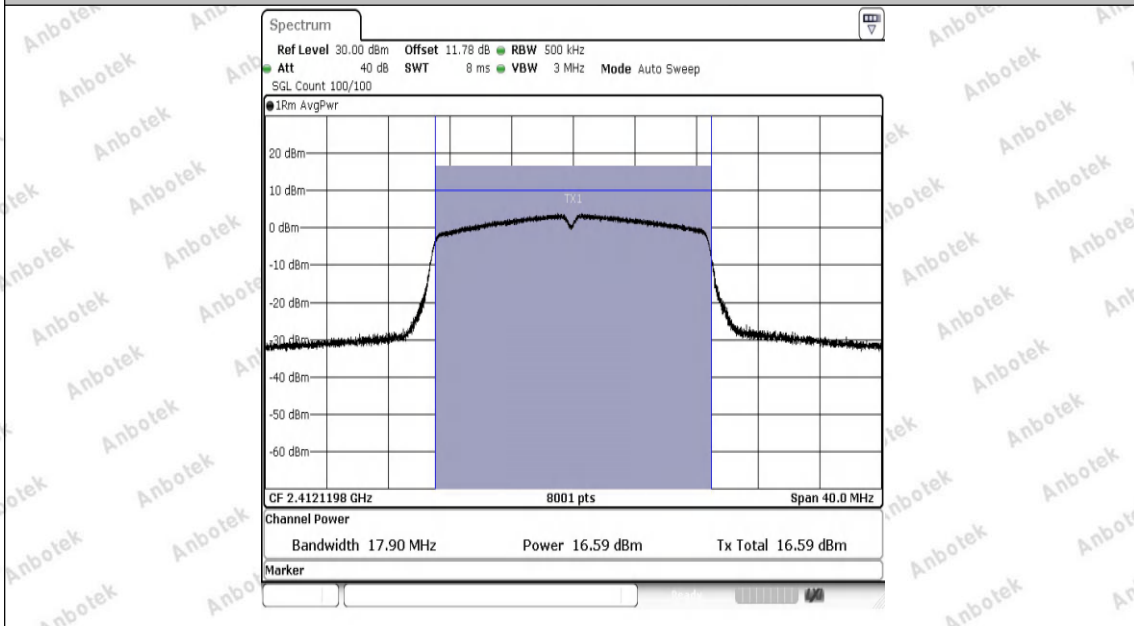


11G-Ant1-2437-PASS



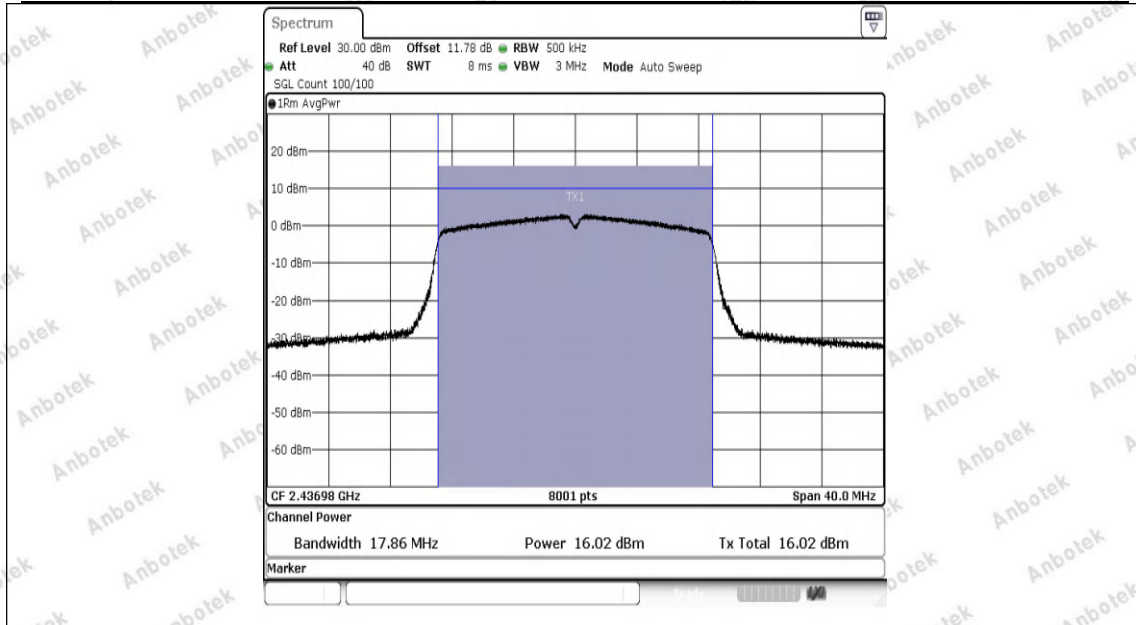


11G-Ant1-2462-PASS

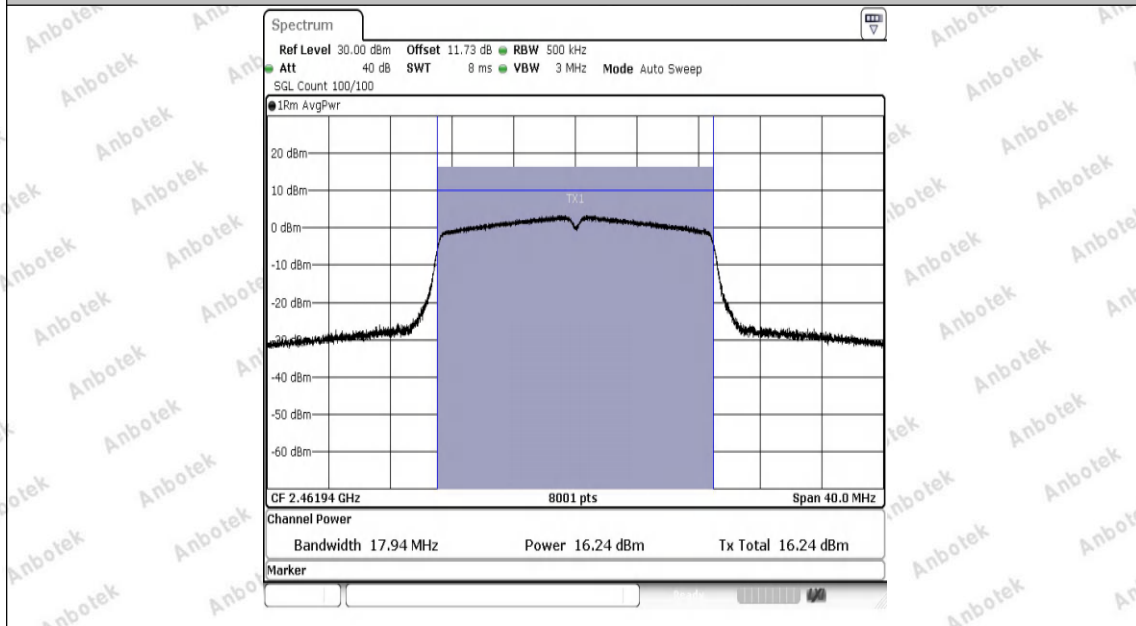


11N20SISO-Ant1-2412-PASS





11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

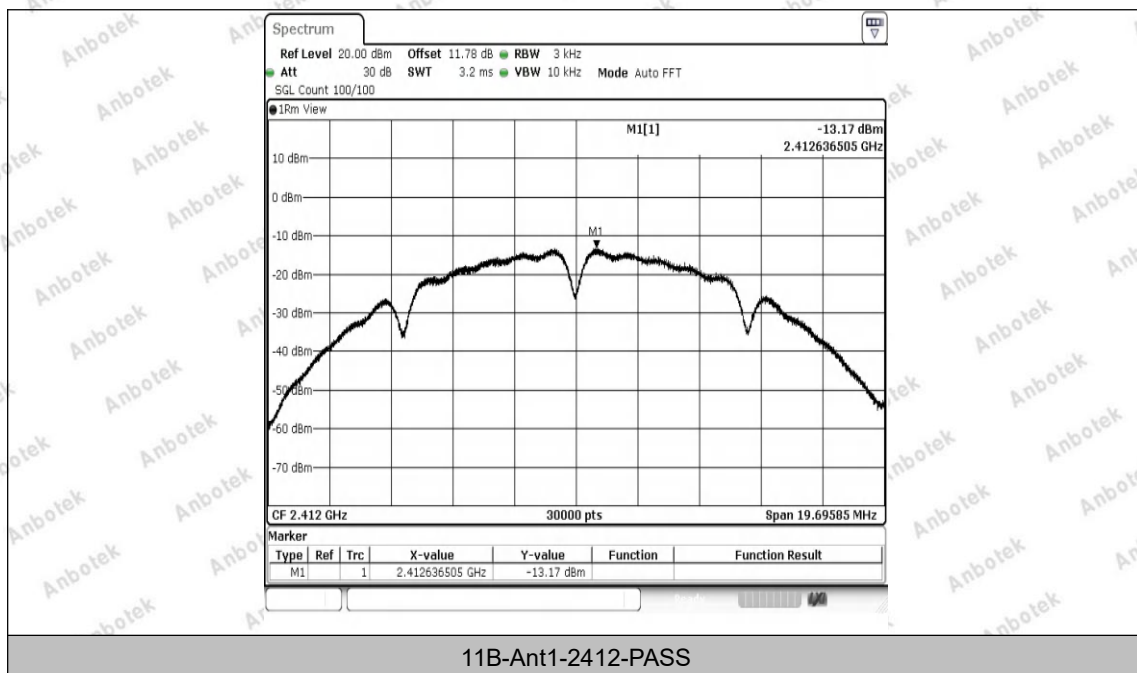


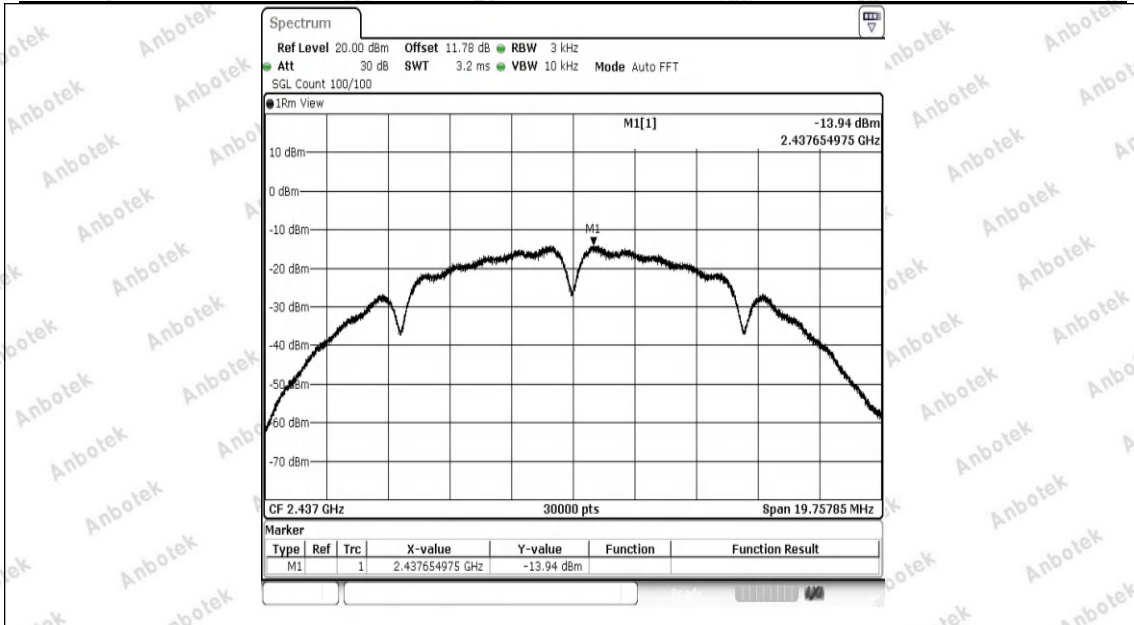
Appendix D: Maximum power spectral density

Test Result

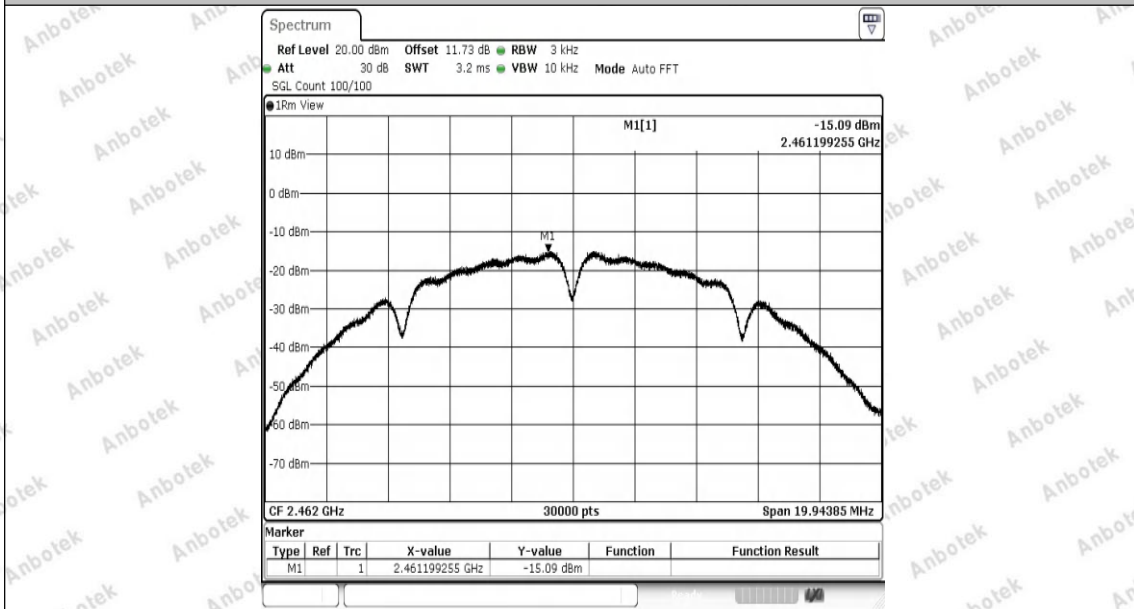
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.17	≤8.00	PASS
11B	Ant1	2437	-13.94	≤8.00	PASS
11B	Ant1	2462	-15.09	≤8.00	PASS
11G	Ant1	2412	-17.20	≤8.00	PASS
11G	Ant1	2437	-16.58	≤8.00	PASS
11G	Ant1	2462	-16.94	≤8.00	PASS
11N20SISO	Ant1	2412	-16.55	≤8.00	PASS
11N20SISO	Ant1	2437	-17.36	≤8.00	PASS
11N20SISO	Ant1	2462	-17.51	≤8.00	PASS

Test Graphs



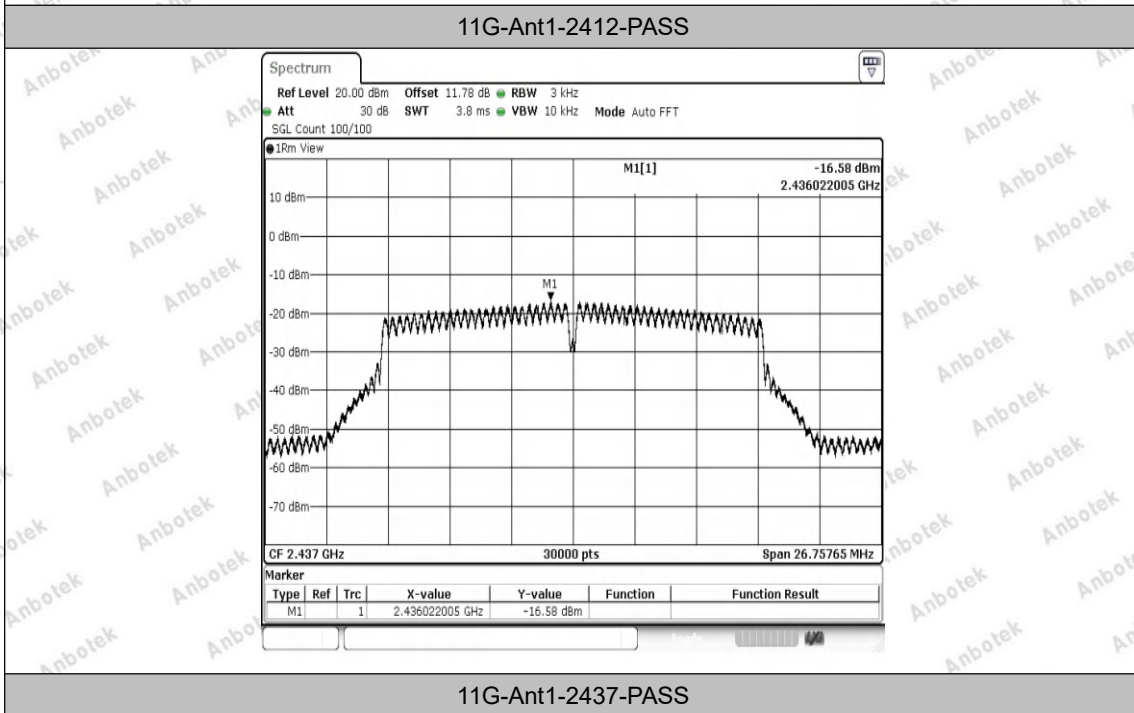
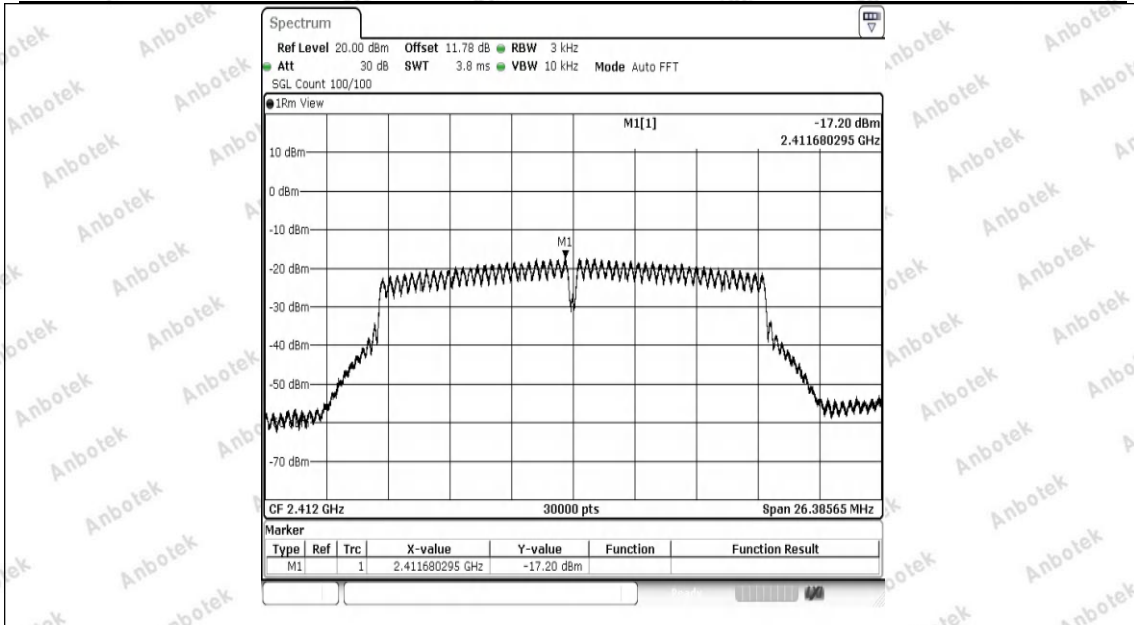


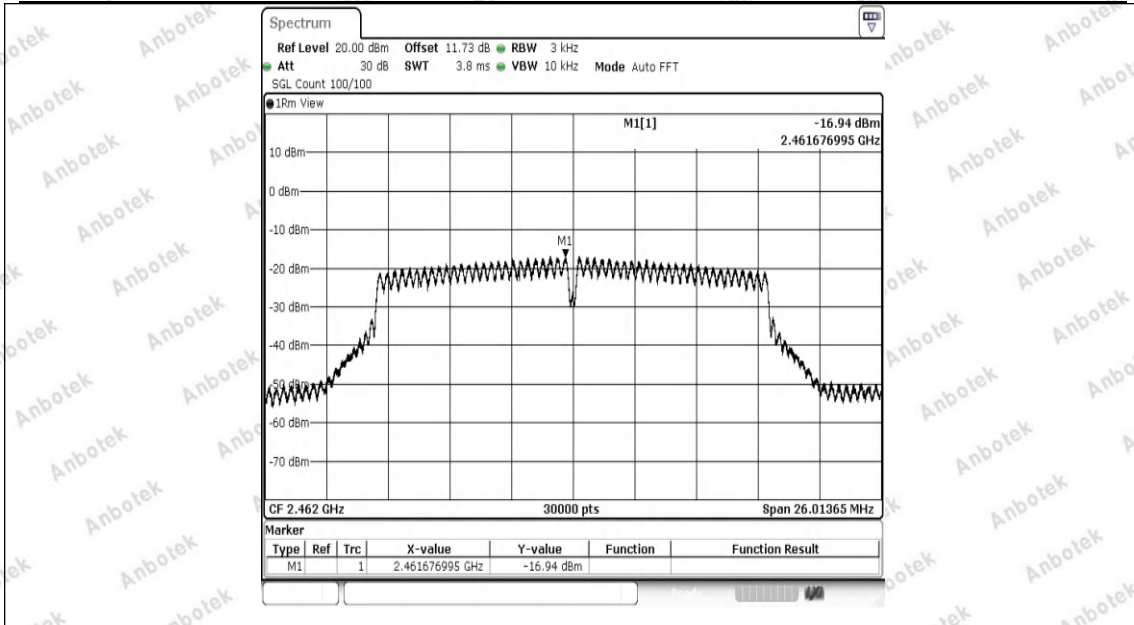
11B-Ant1-2437-PASS



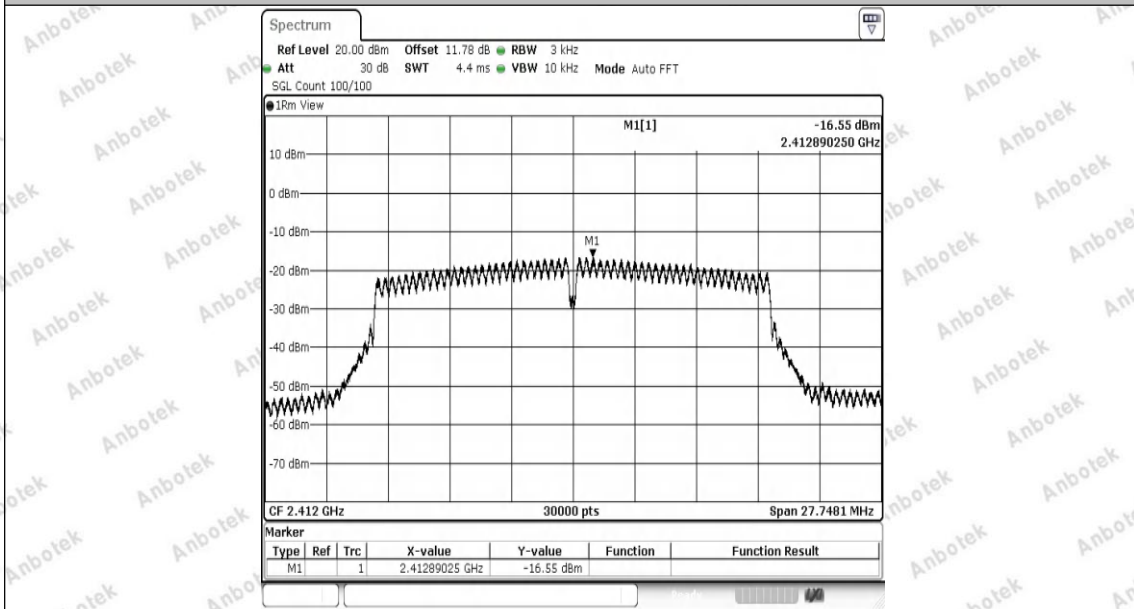
11B-Ant1-2462-PASS





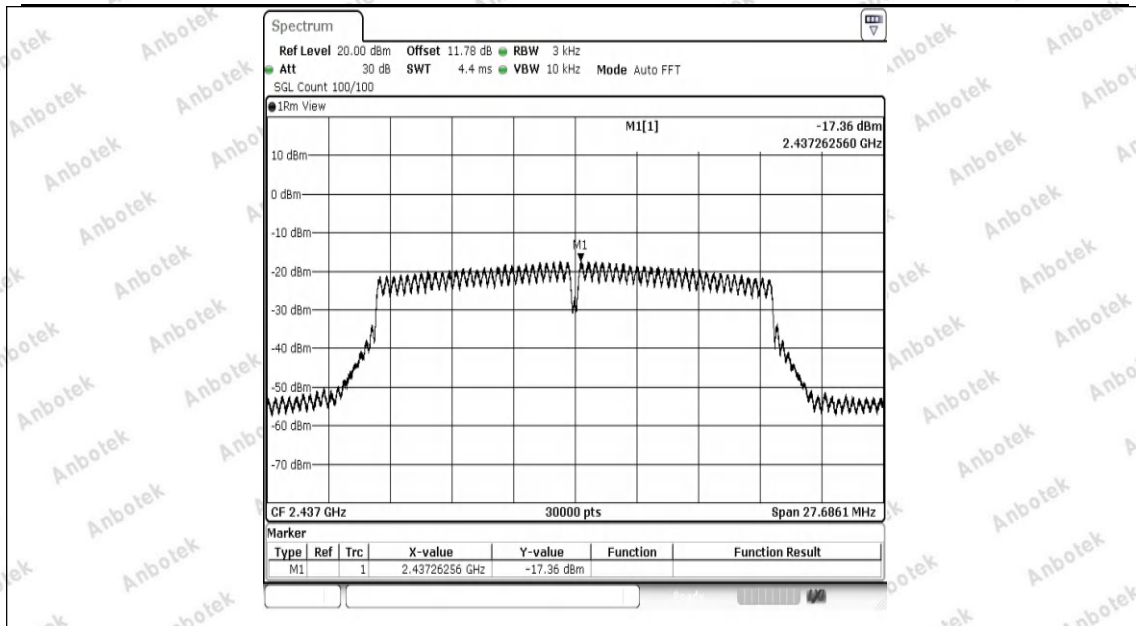


11G-Ant1-2462-PASS

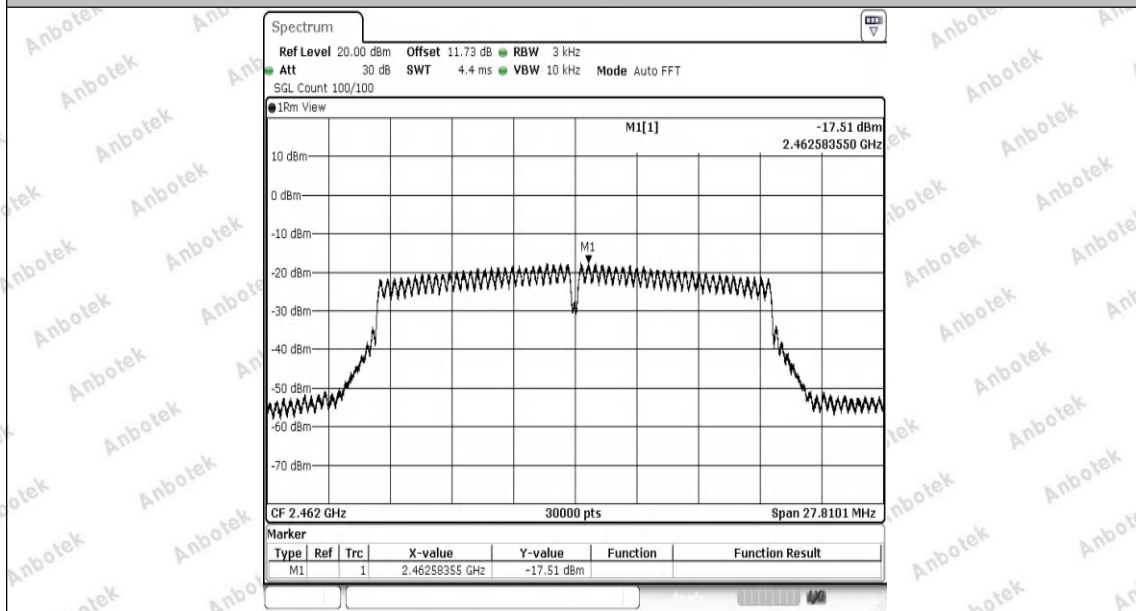


11N20SISO-Ant1-2412-PASS





11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



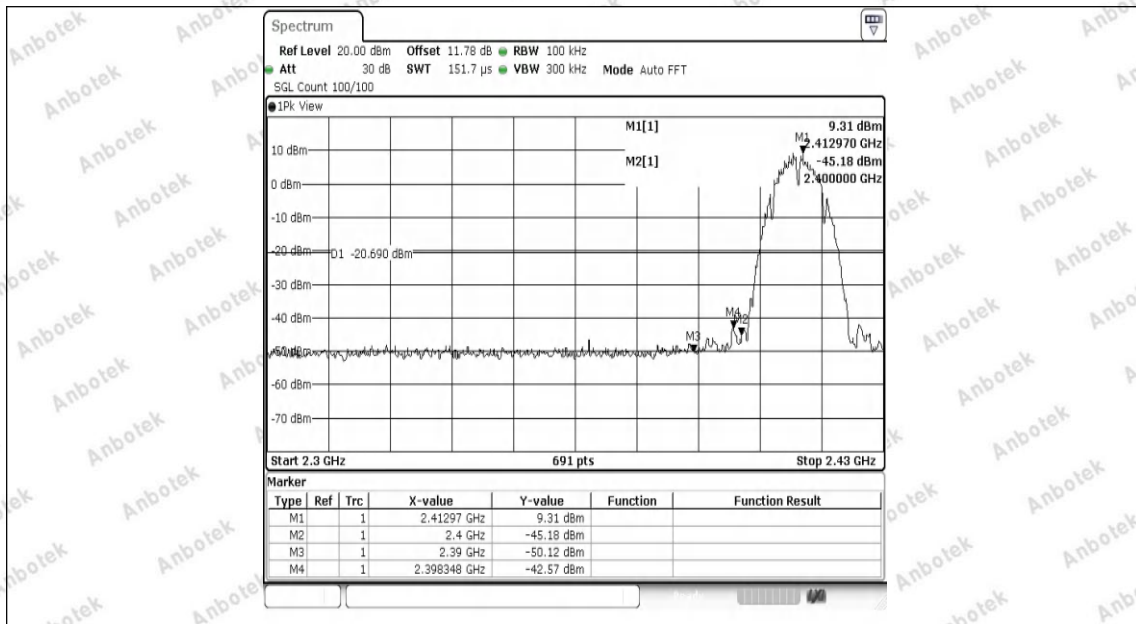
Appendix E: Band edge measurements

Test Result

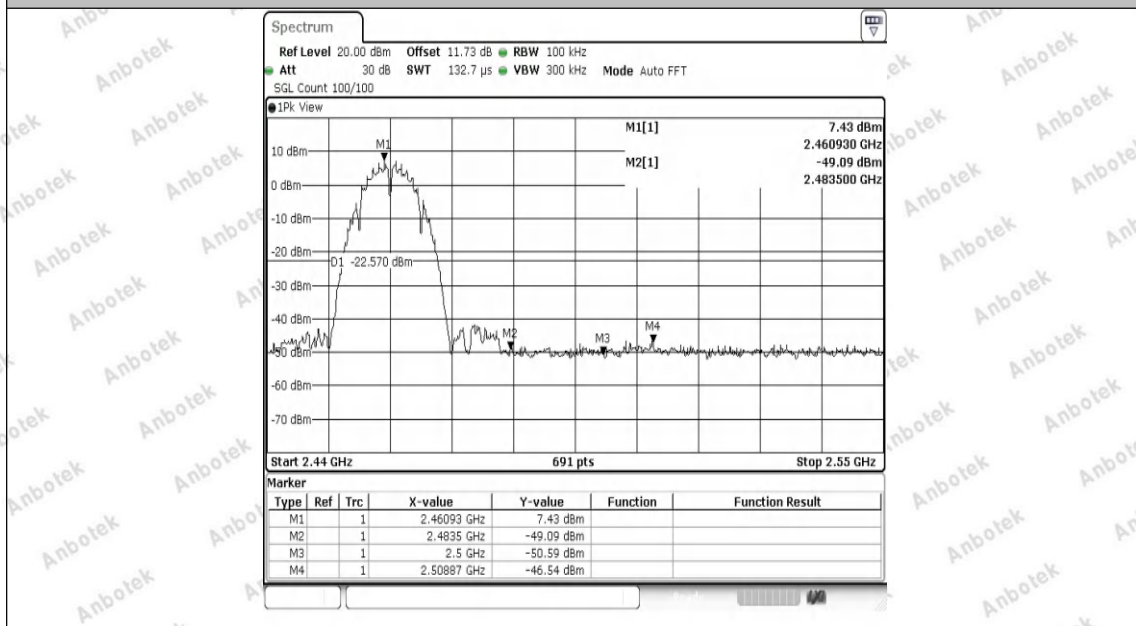
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.31	-42.57	≤-20.69	PASS
11B	Ant1	High	2462	7.43	-46.54	≤-22.57	PASS
11G	Ant1	Low	2412	2.22	-29.49	≤-27.78	PASS
11G	Ant1	High	2462	3.18	-36.55	≤-26.82	PASS
11N20SISO	Ant1	Low	2412	3.22	-27.53	≤-26.78	PASS
11N20SISO	Ant1	High	2462	1.69	-37.59	≤-28.31	PASS



Test Graphs

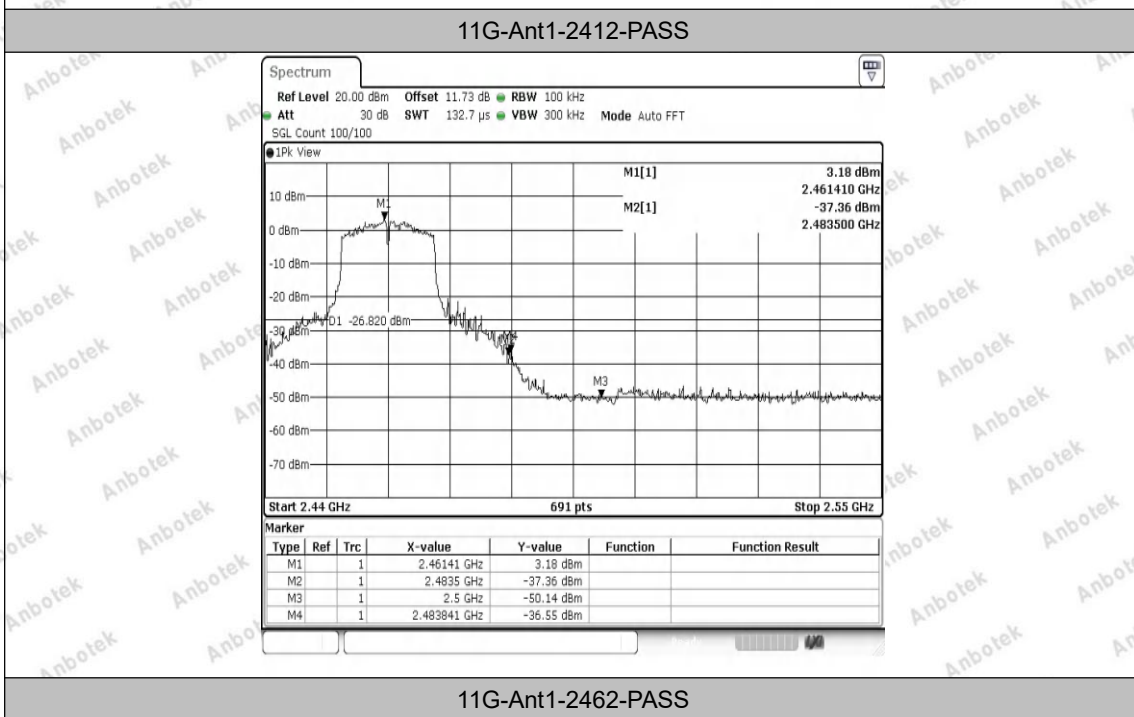
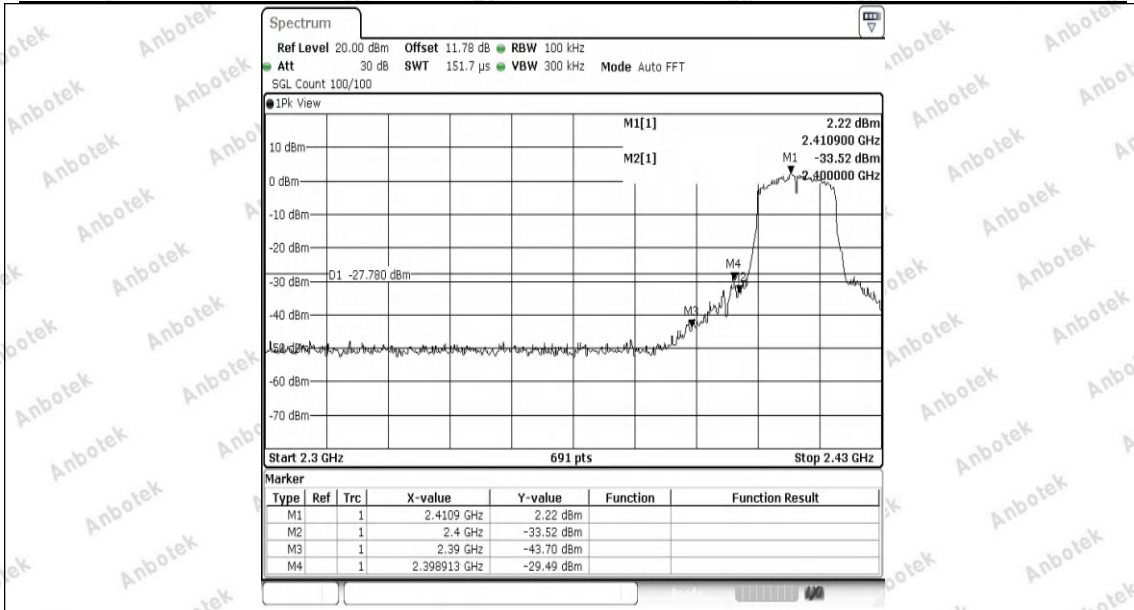


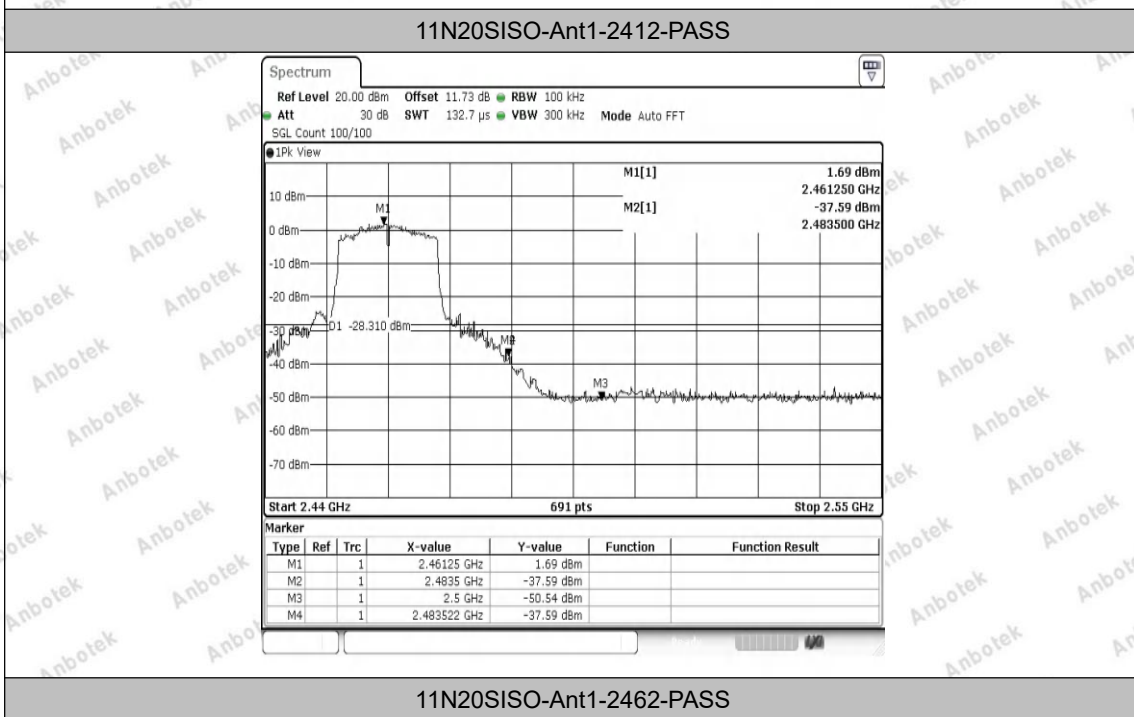
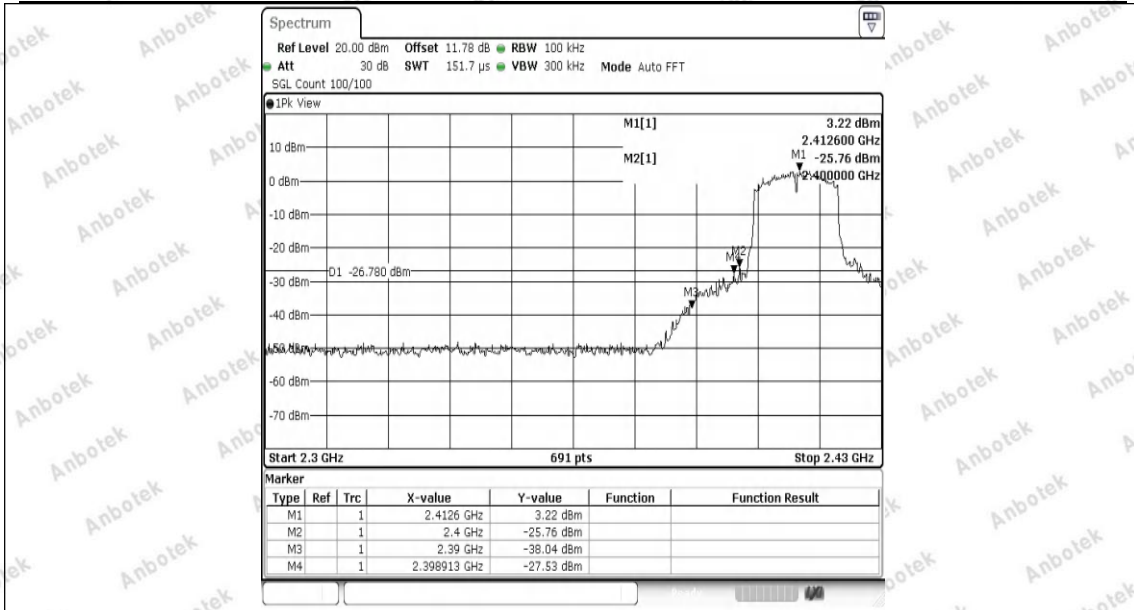
11B-Ant1-2412-PASS



11B-Ant1-2462-PASS







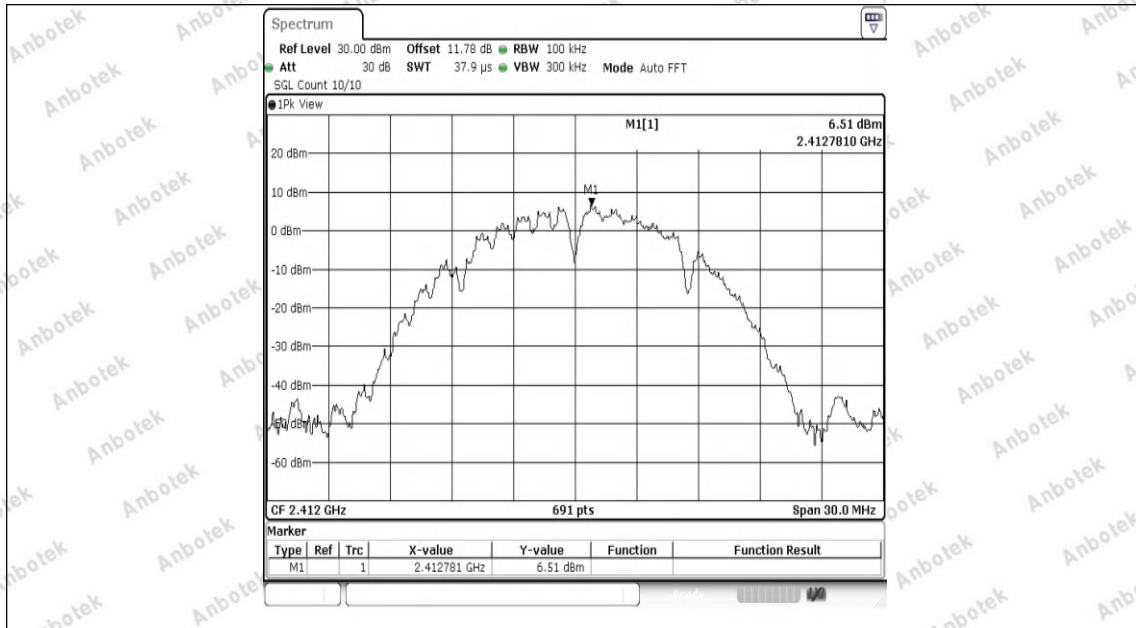
Appendix F: Conducted Spurious Emission

Test Result

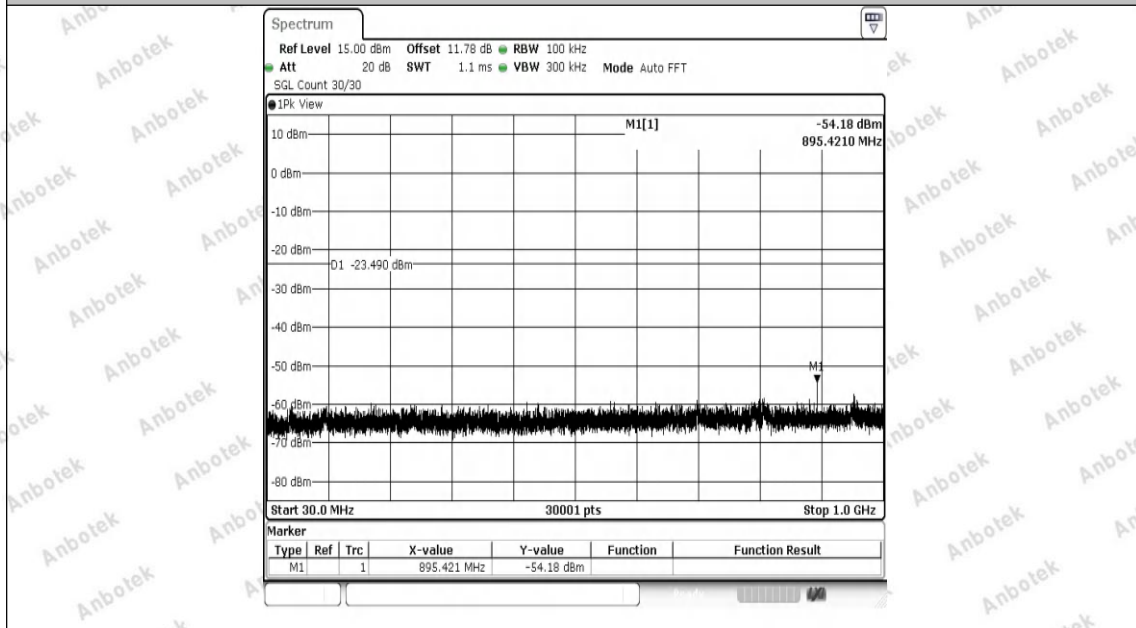
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.51	6.51	---	PASS
11B	Ant1	2412	30~1000	6.51	-54.18	≤-23.49	PASS
11B	Ant1	2412	1000~26500	6.51	-42.72	≤-23.49	PASS
11B	Ant1	2437	0~Reference	5.58	5.58	---	PASS
11B	Ant1	2437	30~1000	5.58	-56.66	≤-24.42	PASS
11B	Ant1	2437	1000~26500	5.58	-40.69	≤-24.42	PASS
11B	Ant1	2462	0~Reference	5.13	5.13	---	PASS
11B	Ant1	2462	30~1000	5.13	-55.11	≤-24.87	PASS
11B	Ant1	2462	1000~26500	5.13	-43.16	≤-24.87	PASS
11G	Ant1	2412	0~Reference	3.01	3.01	---	PASS
11G	Ant1	2412	30~1000	3.01	-58.32	≤-26.99	PASS
11G	Ant1	2412	1000~26500	3.01	-44.12	≤-26.99	PASS
11G	Ant1	2437	0~Reference	2.67	2.67	---	PASS
11G	Ant1	2437	30~1000	2.67	-58.63	≤-27.33	PASS
11G	Ant1	2437	1000~26500	2.67	-43.72	≤-27.33	PASS
11G	Ant1	2462	0~Reference	2.59	2.59	---	PASS
11G	Ant1	2462	30~1000	2.59	-58.11	≤-27.41	PASS
11G	Ant1	2462	1000~26500	2.59	-43.95	≤-27.41	PASS
11N20SISO	Ant1	2412	0~Reference	2.24	2.24	---	PASS
11N20SISO	Ant1	2412	30~1000	2.24	-57.22	≤-27.76	PASS
11N20SISO	Ant1	2412	1000~26500	2.24	-43.03	≤-27.76	PASS
11N20SISO	Ant1	2437	0~Reference	1.31	1.31	---	PASS
11N20SISO	Ant1	2437	30~1000	1.31	-55.71	≤-28.69	PASS
11N20SISO	Ant1	2437	1000~26500	1.31	-44.1	≤-28.69	PASS
11N20SISO	Ant1	2462	0~Reference	1.81	1.81	---	PASS
11N20SISO	Ant1	2462	30~1000	1.81	-57.97	≤-28.19	PASS
11N20SISO	Ant1	2462	1000~26500	1.81	-43.91	≤-28.19	PASS



Test Graphs

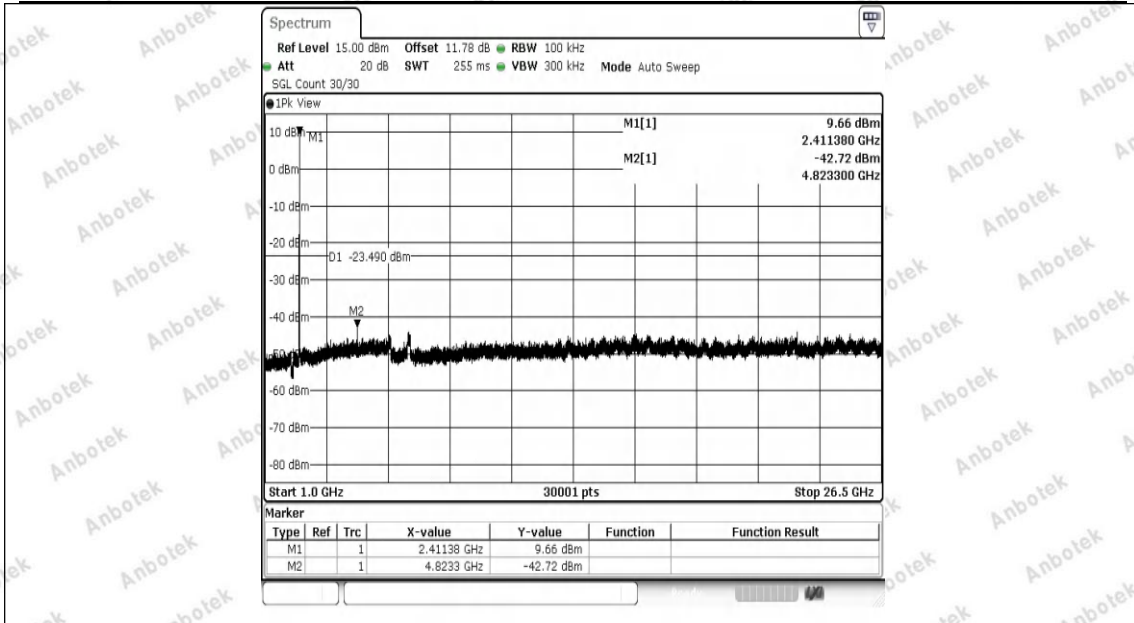


11B-Ant1-2412-0~Reference-PASS

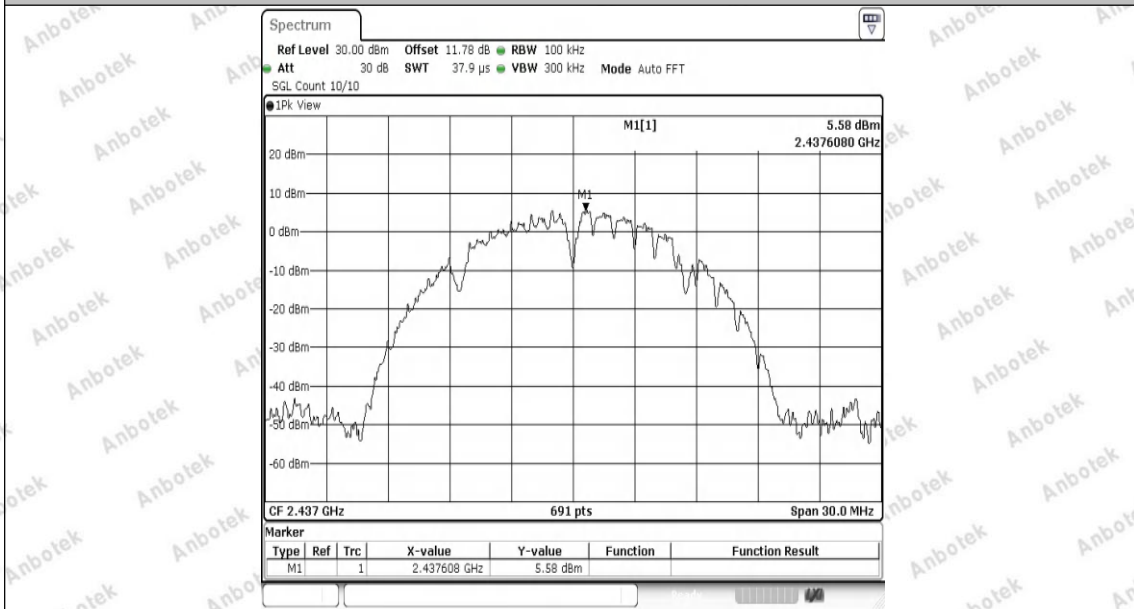


11B-Ant1-2412-30~1000-PASS



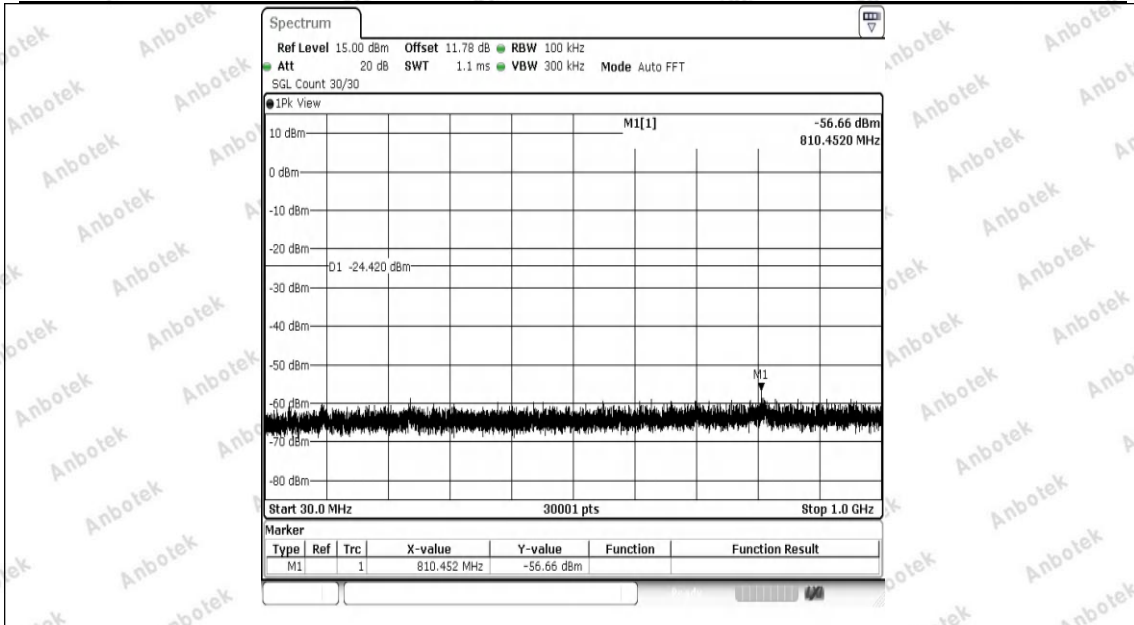


11B-Ant1-2412-1000~26500-PASS

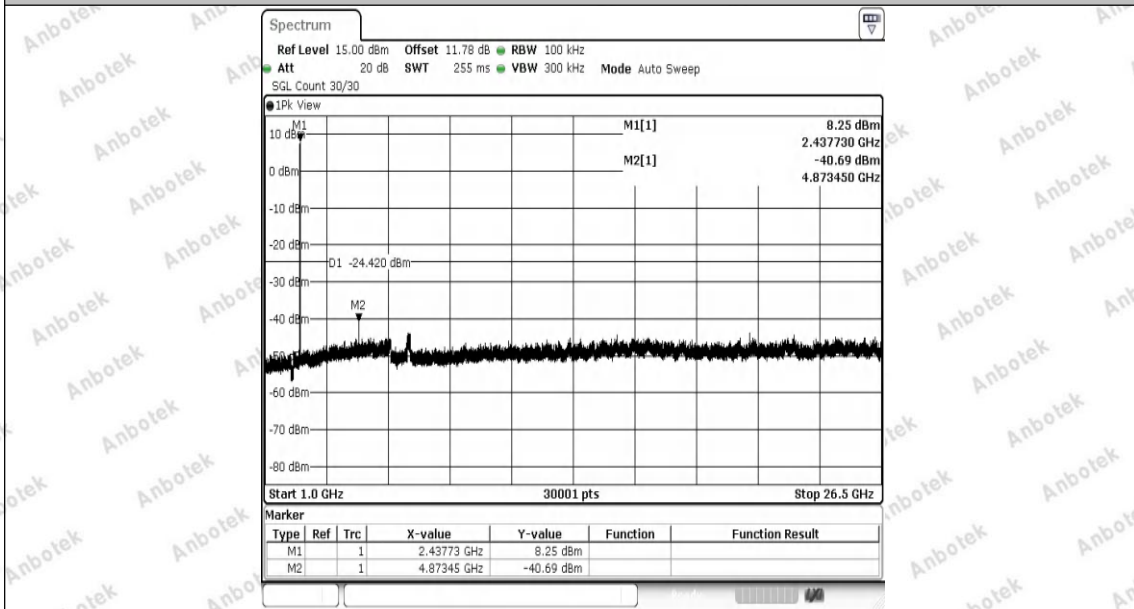


11B-Ant1-2437-0~Reference-PASS



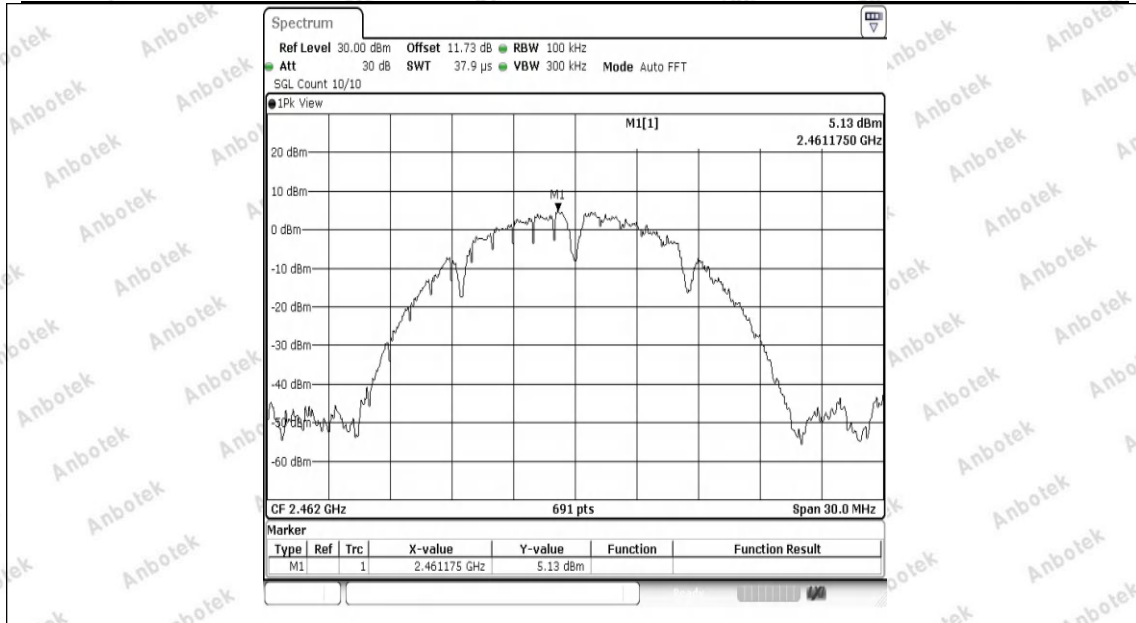


11B-Ant1-2437-30~1000-PASS

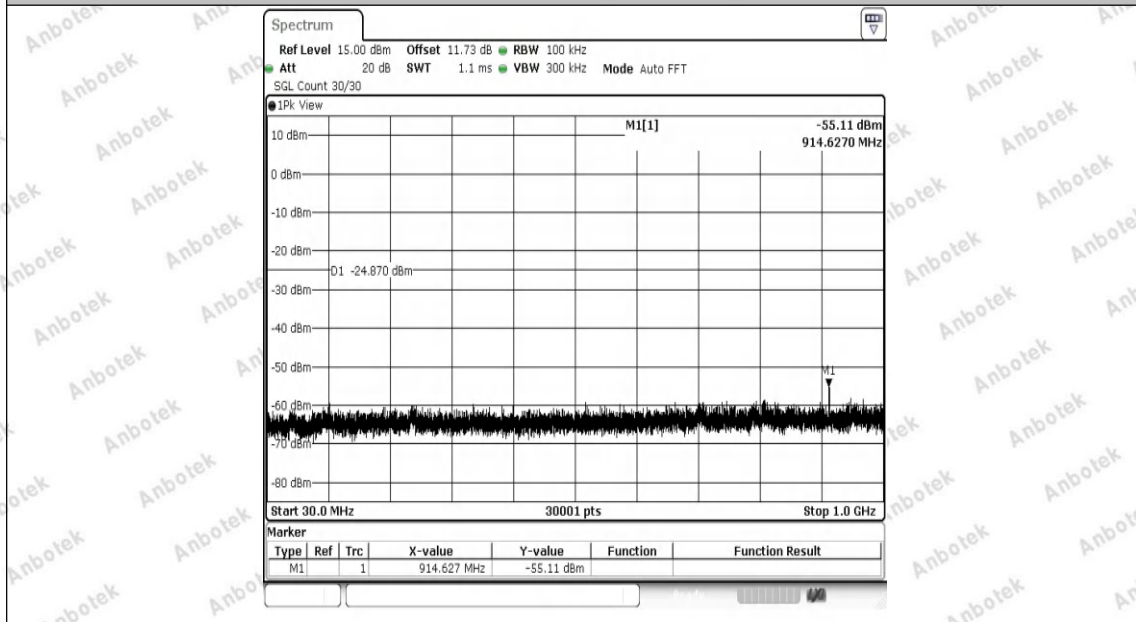


11B-Ant1-2437-1000~26500-PASS



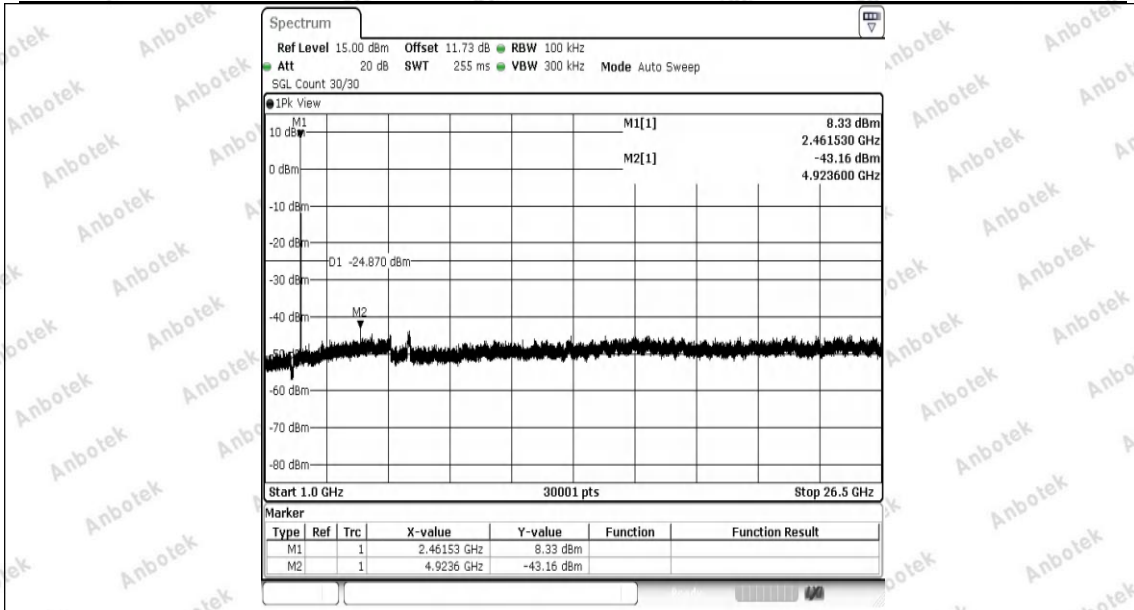


11B-Ant1-2462-0~Reference-PASS

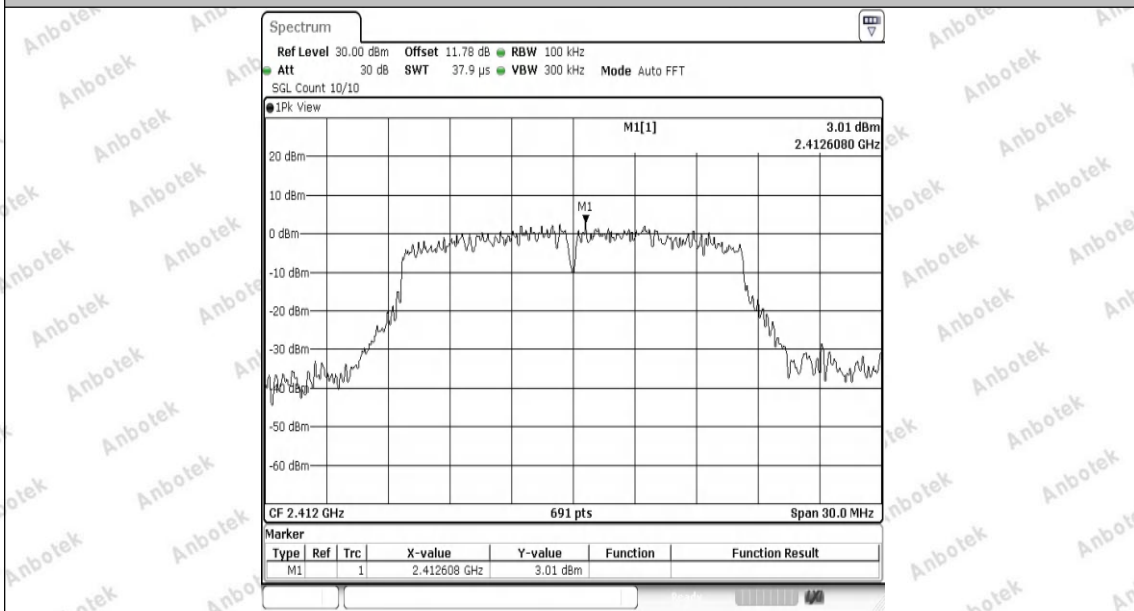


11B-Ant1-2462-30~1000-PASS



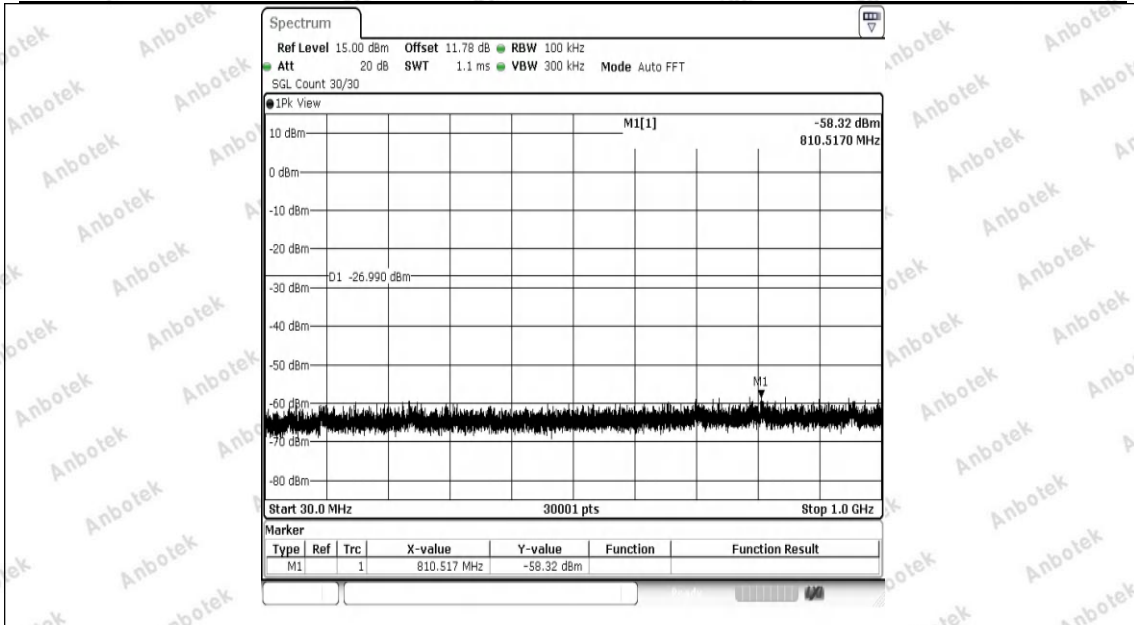


11B-Ant1-2462-1000~26500-PASS

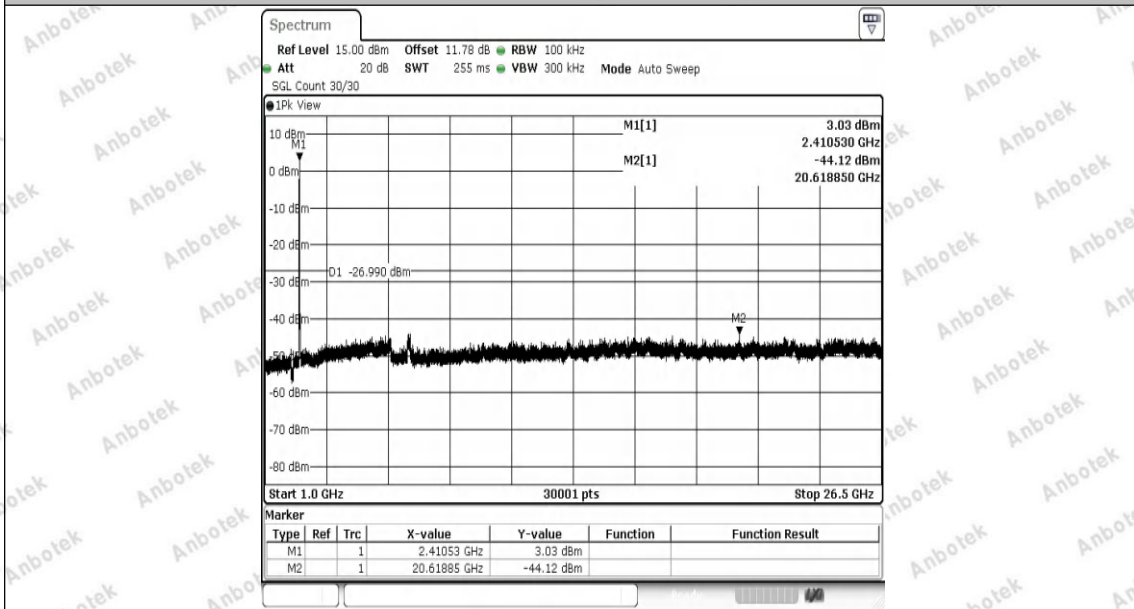


11G-Ant1-2412-0~Reference-PASS



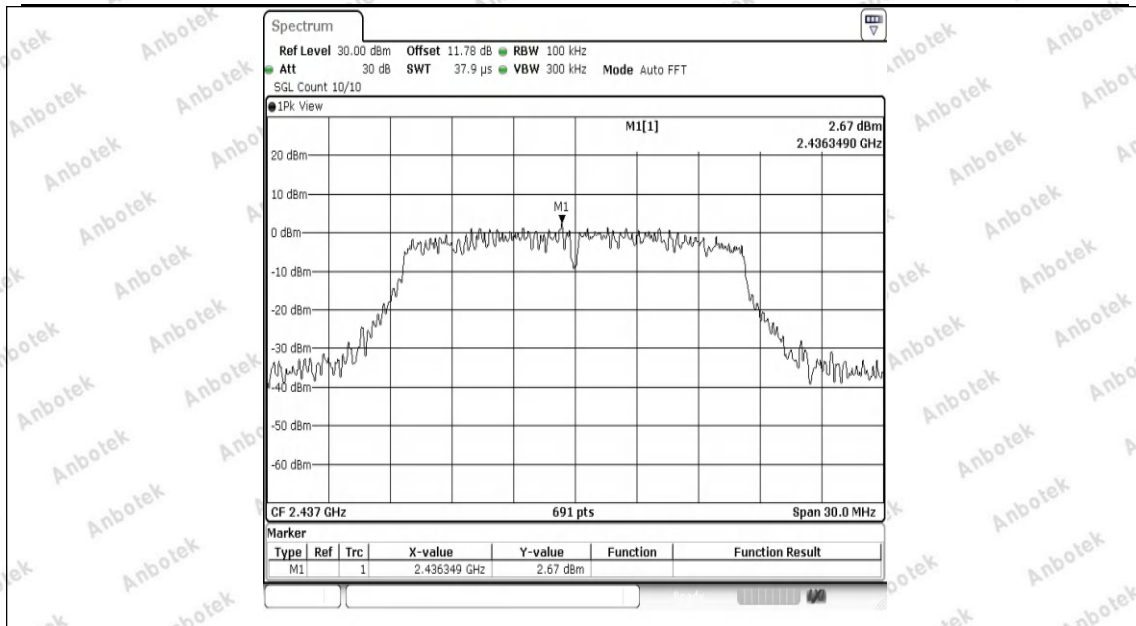


11G-Ant1-2412-30~1000-PASS

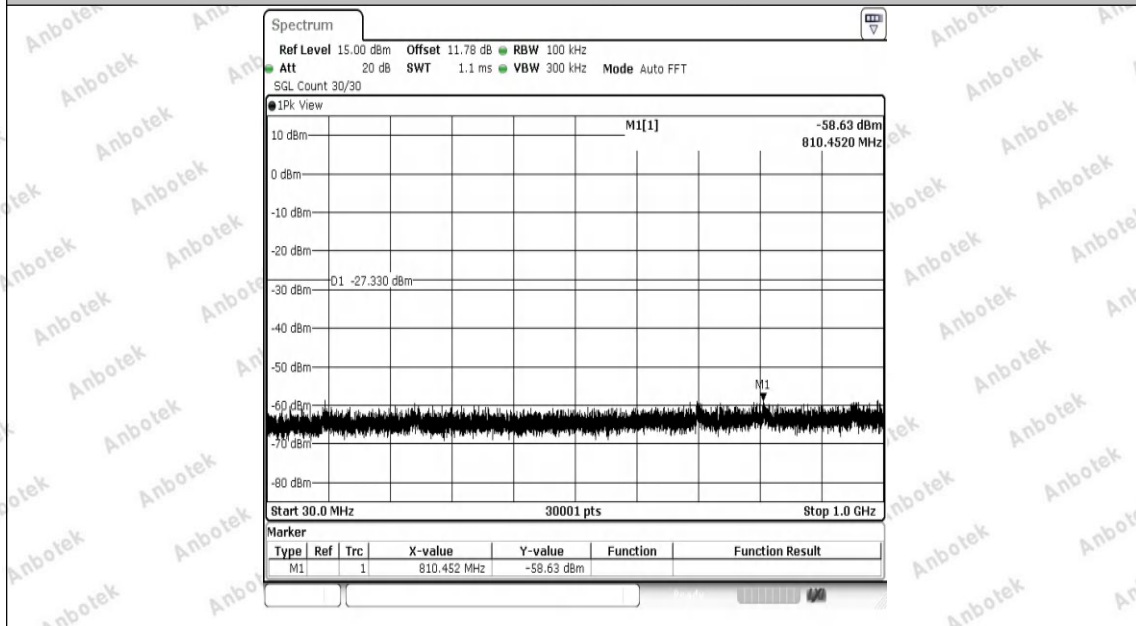


11G-Ant1-2412-1000~26500-PASS



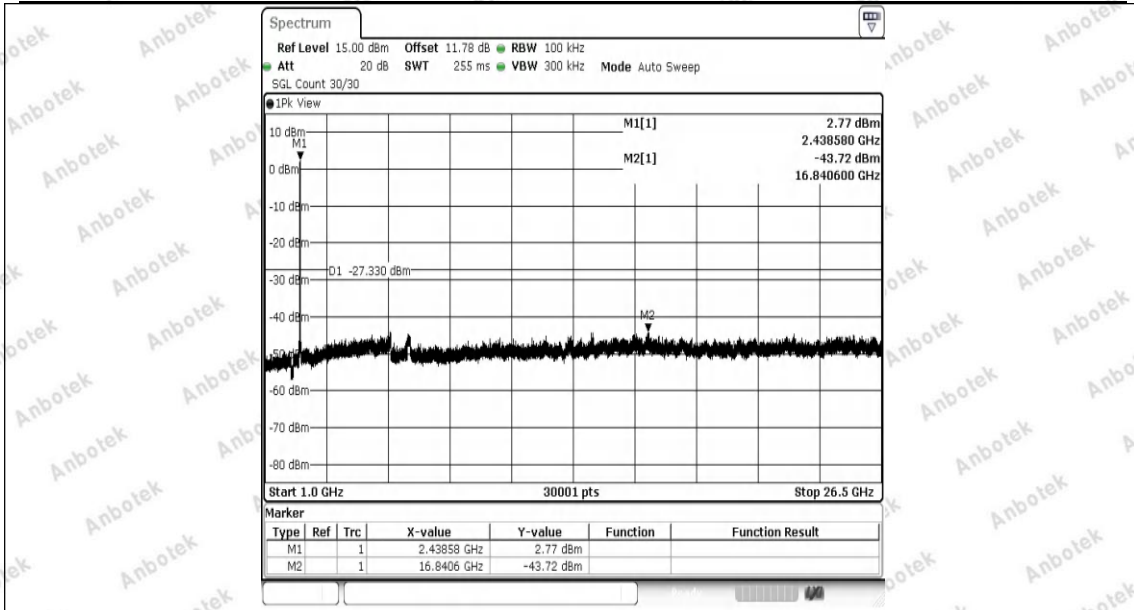


11G-Ant1-2437-0~Reference-PASS

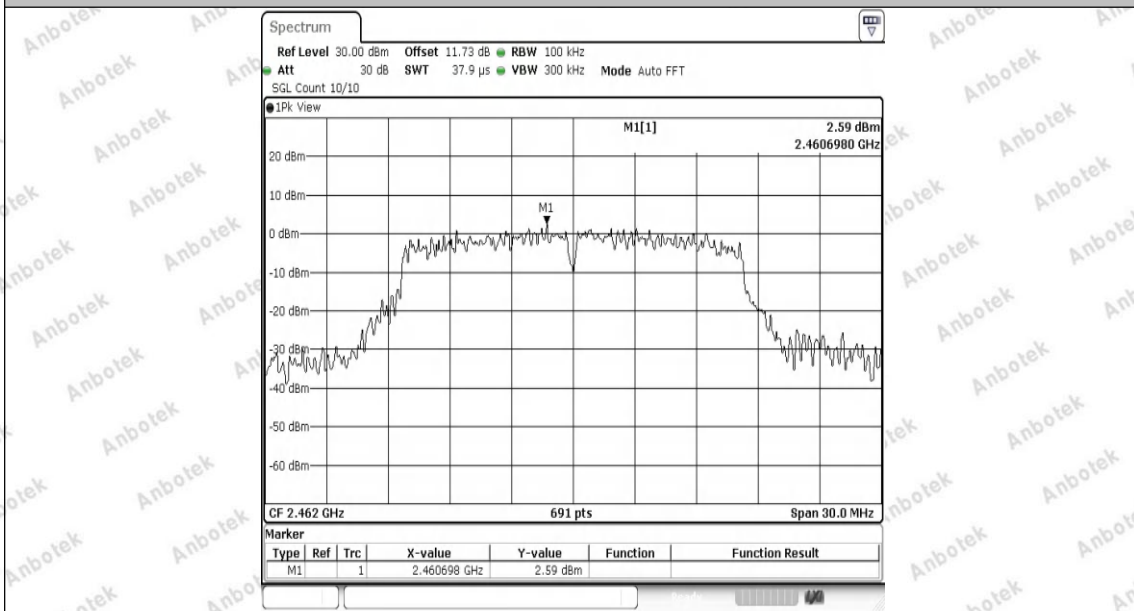


11G-Ant1-2437-30~1000-PASS



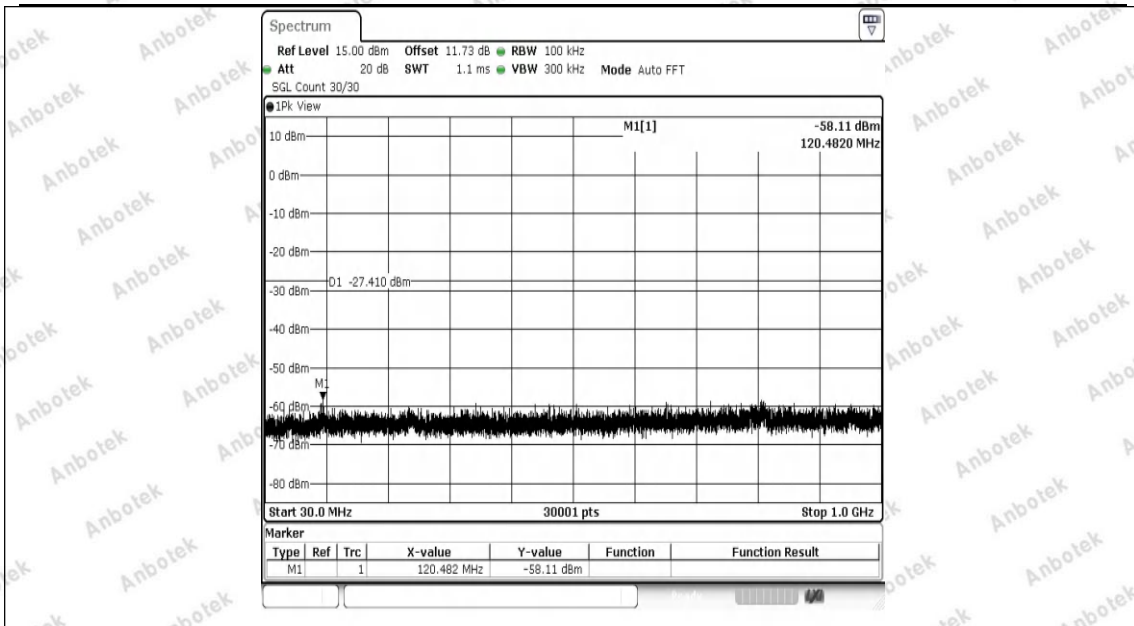


11G-Ant1-2437-1000~26500-PASS

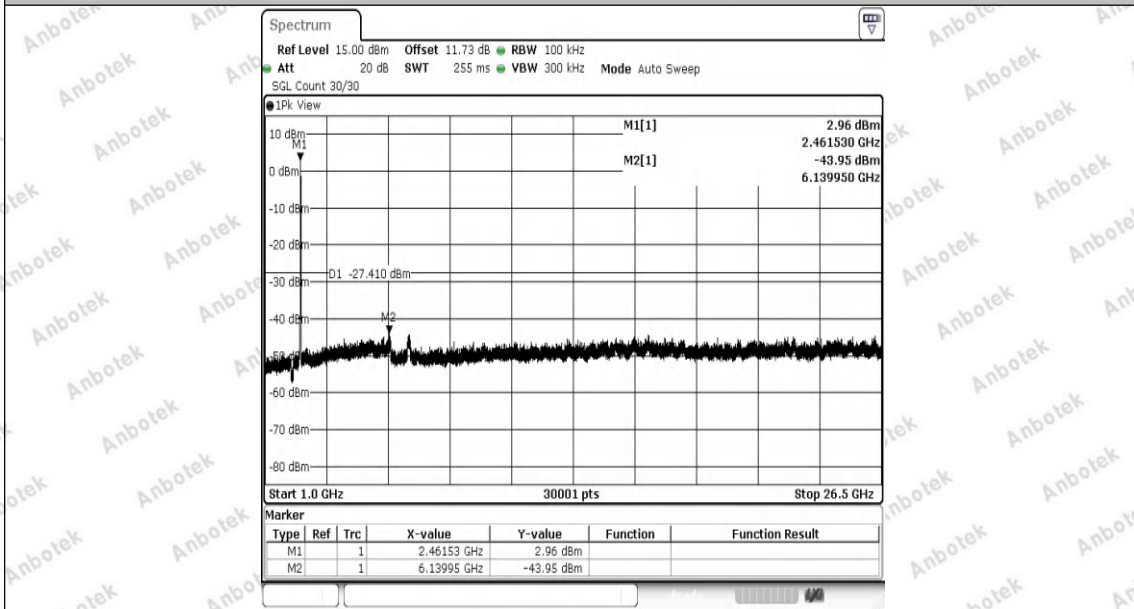


11G-Ant1-2462-0~Reference-PASS



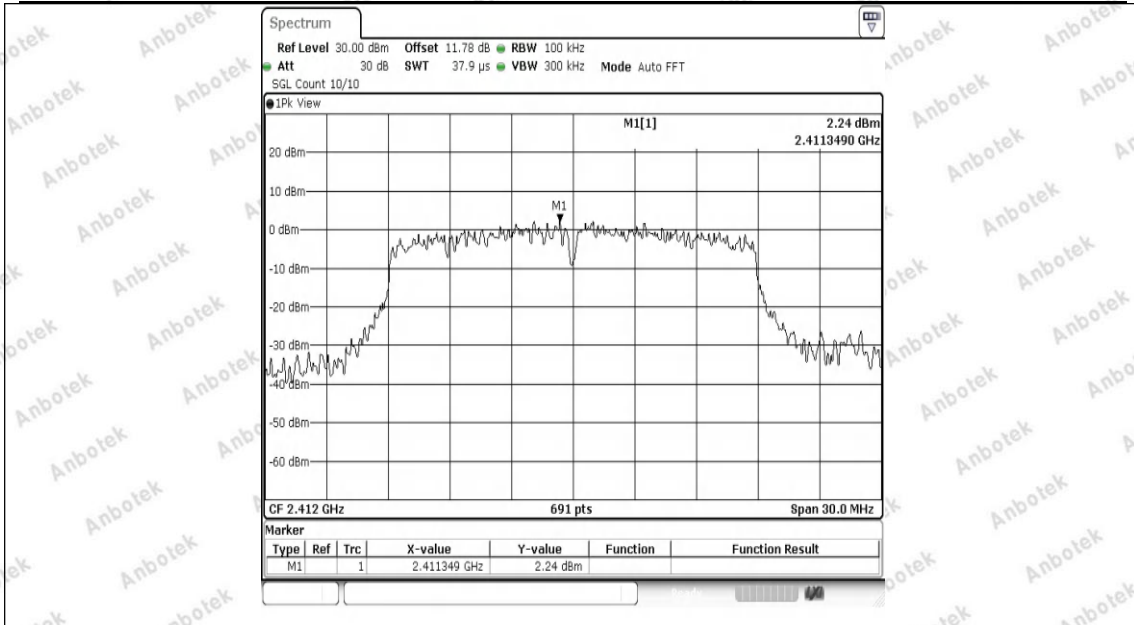


11G-Ant1-2462-30~1000-PASS

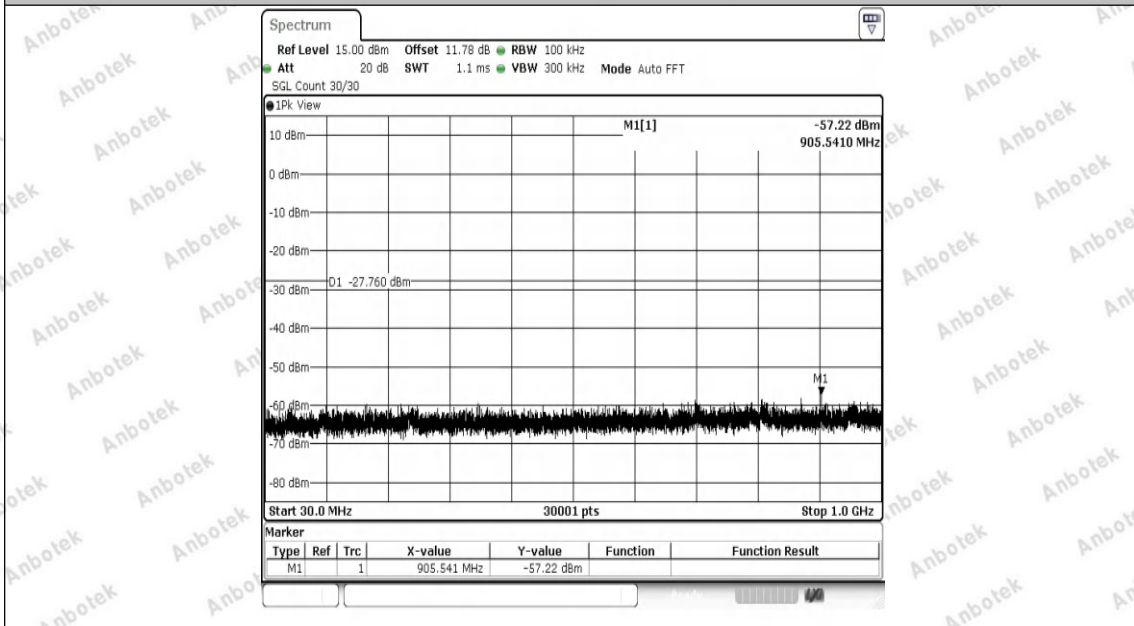


11G-Ant1-2462-1000~26500-PASS



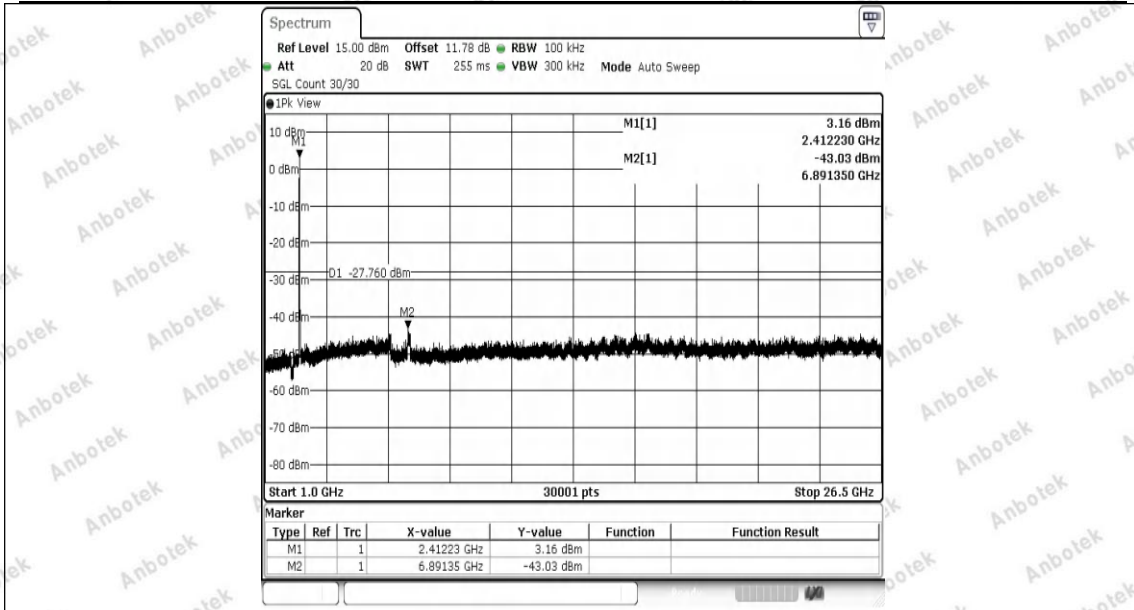


11N20SISO-Ant1-2412-0~Reference-PASS

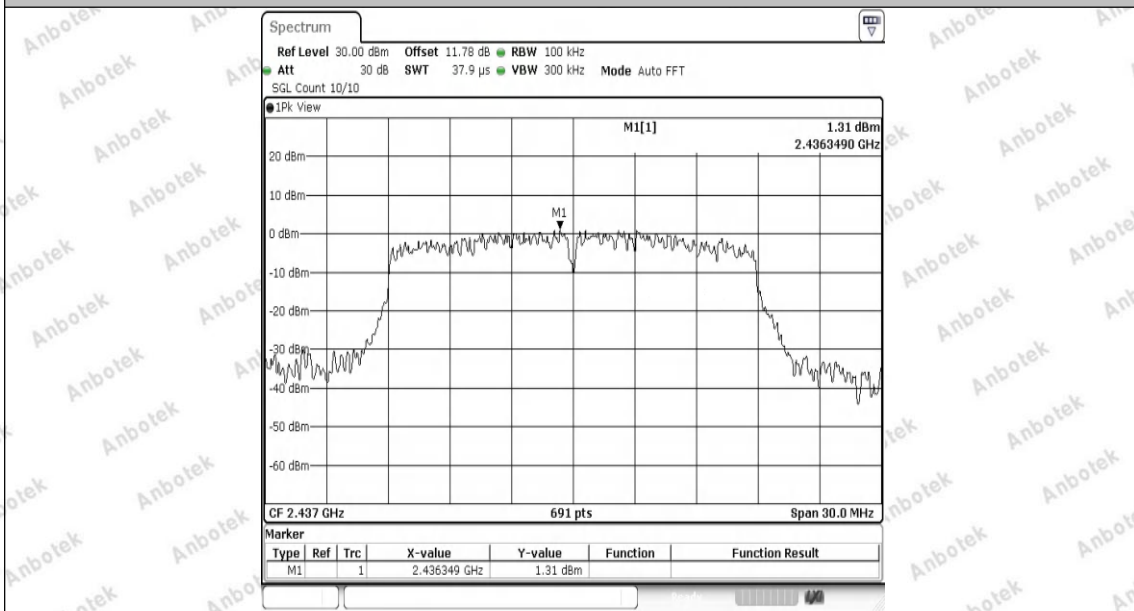


11N20SISO-Ant1-2412-30~1000-PASS



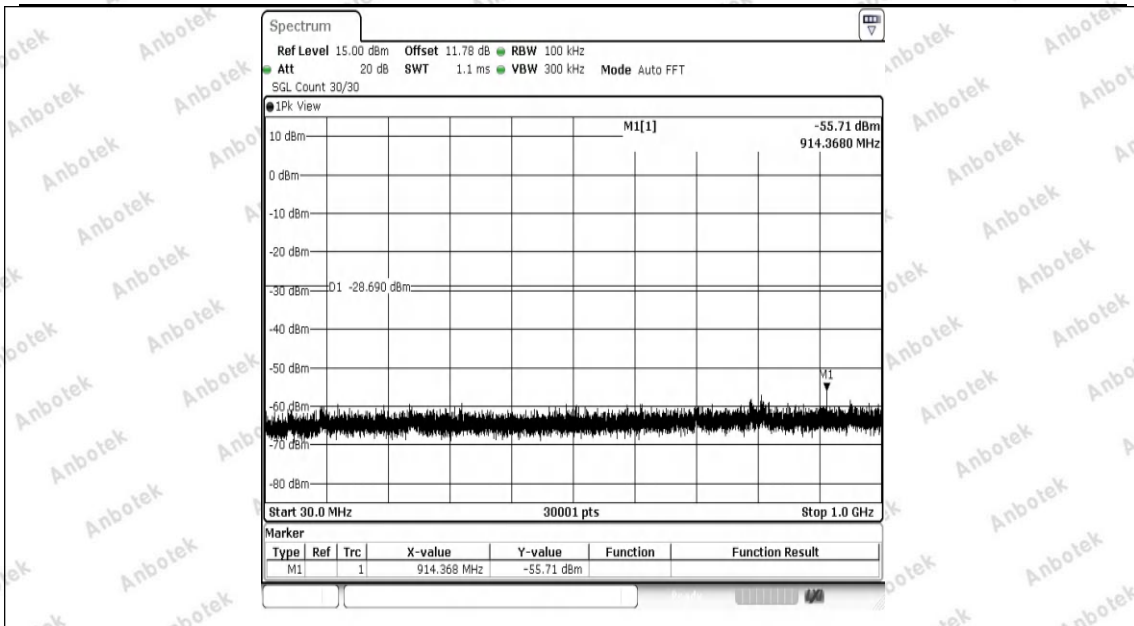


11N20SISO-Ant1-2412-1000~26500-PASS

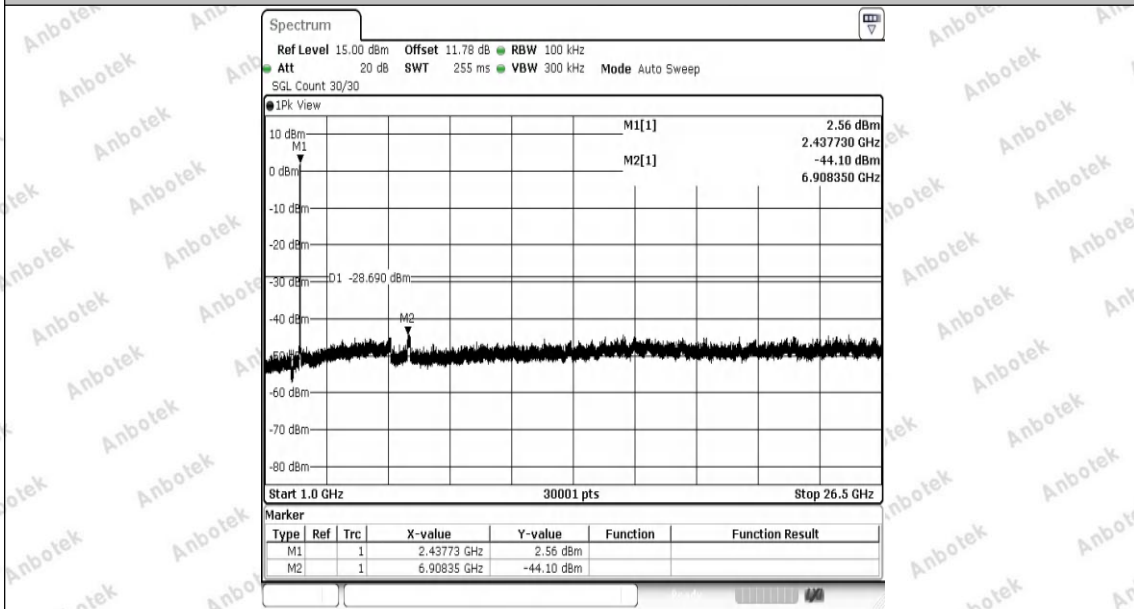


11N20SISO-Ant1-2437-0~Reference-PASS



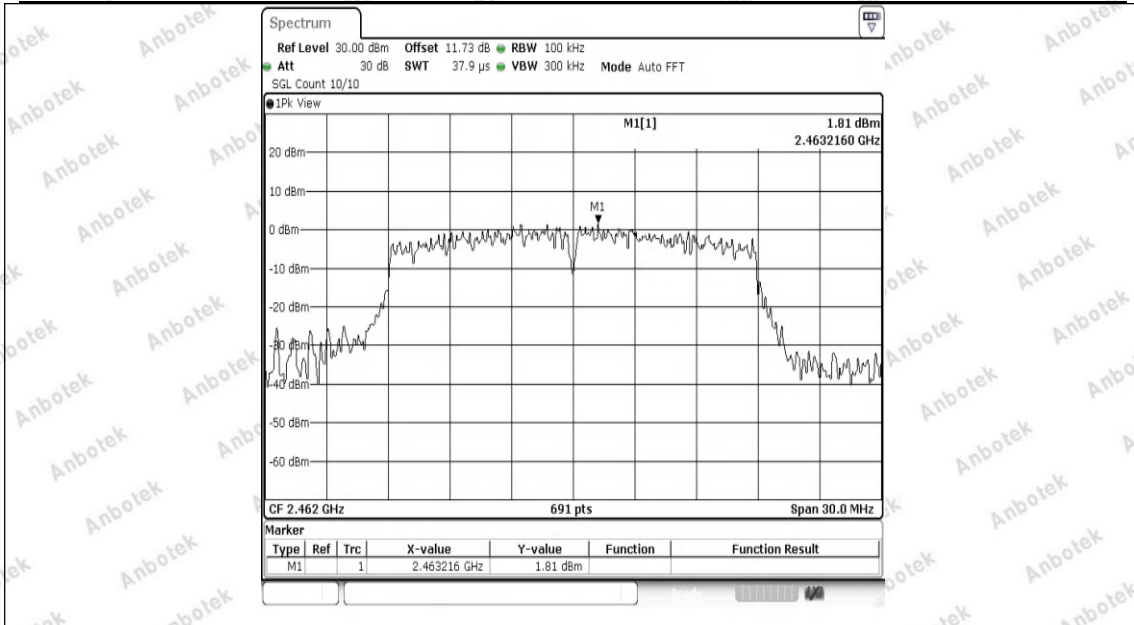


11N20SISO-Ant1-2437-30~1000-PASS

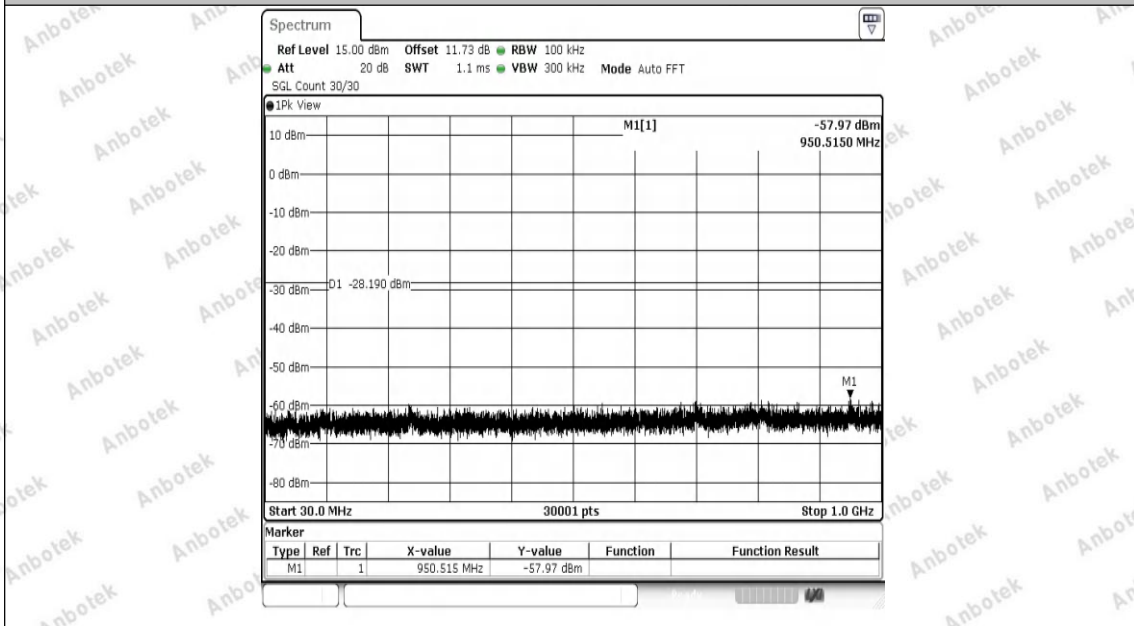


11N20SISO-Ant1-2437-1000~26500-PASS



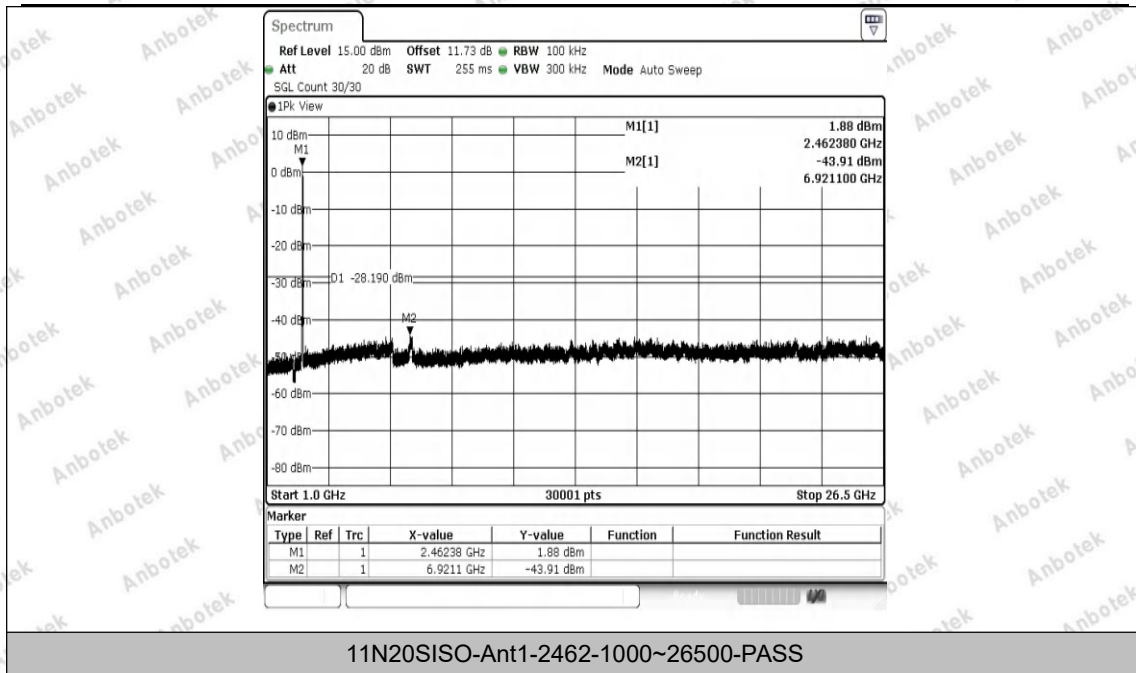


11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS





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

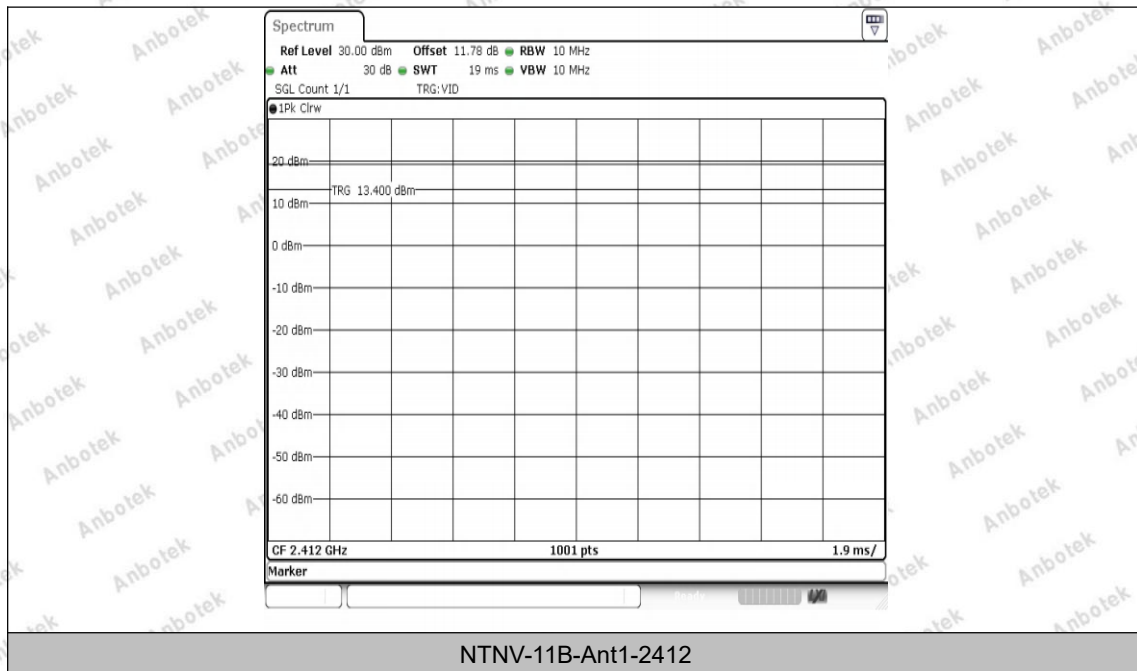


Appendix G: Duty Cycle

Test Result

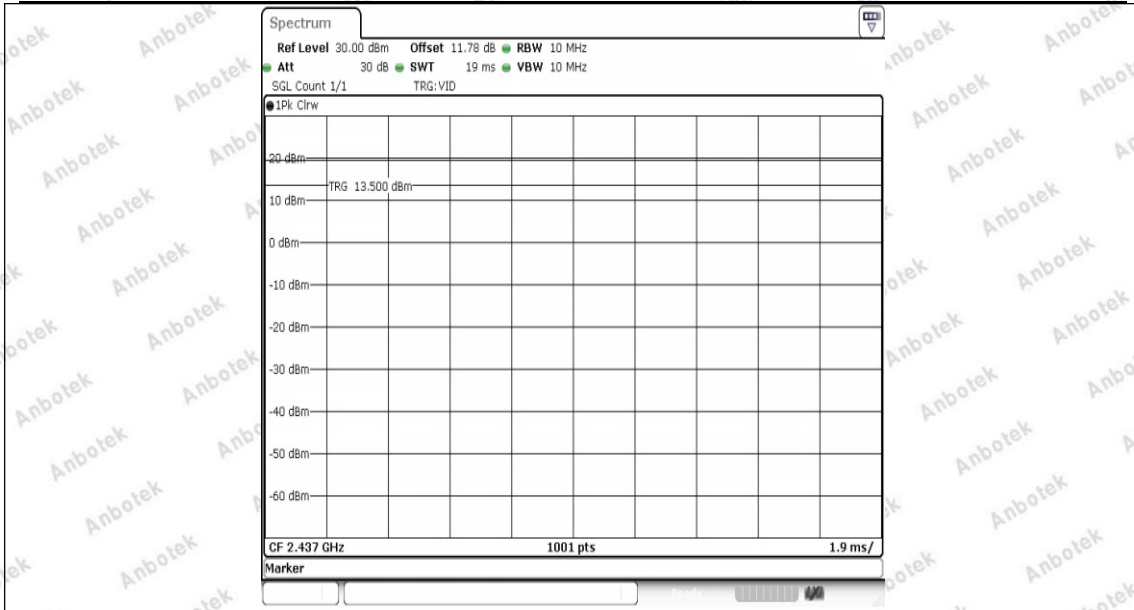
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1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

Test Graphs

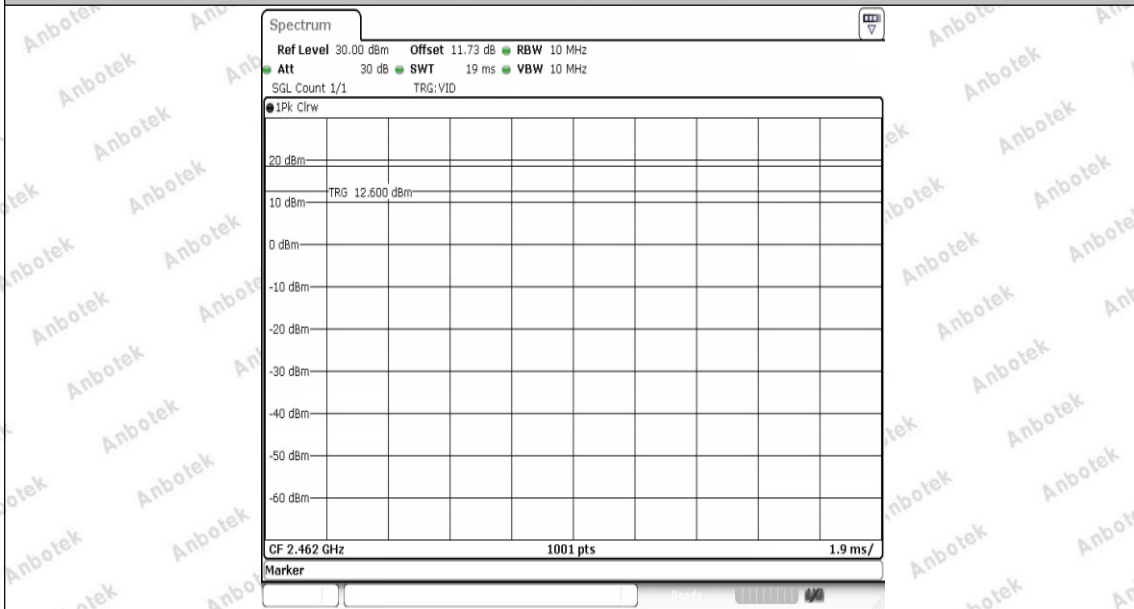


NTNV-11B-Ant1-2412



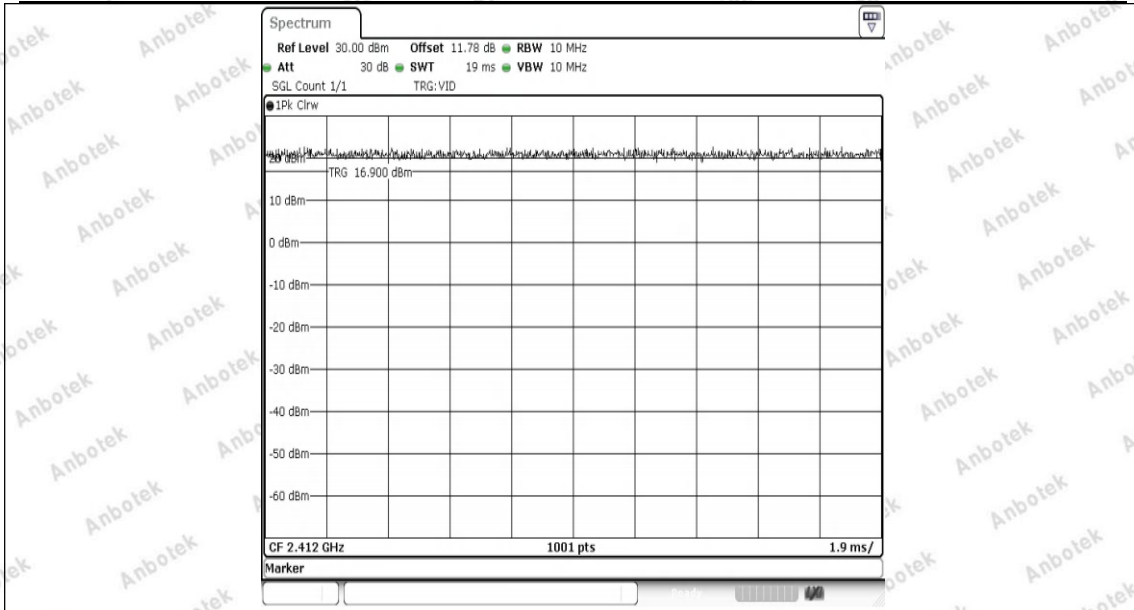


NTNV-11B-Ant1-2437

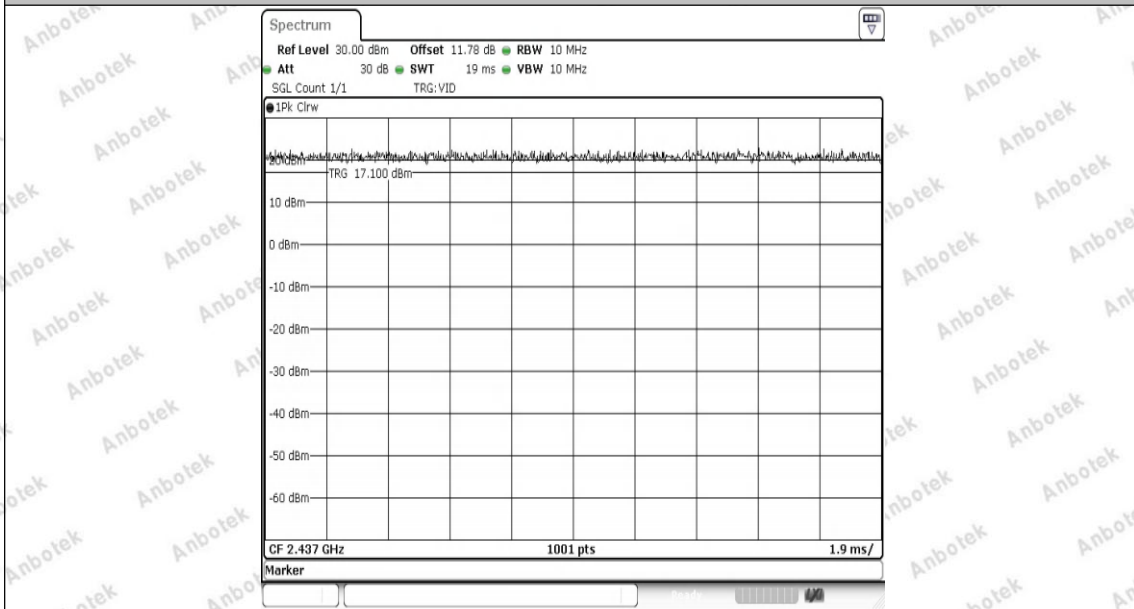


NTNV-11B-Ant1-2462



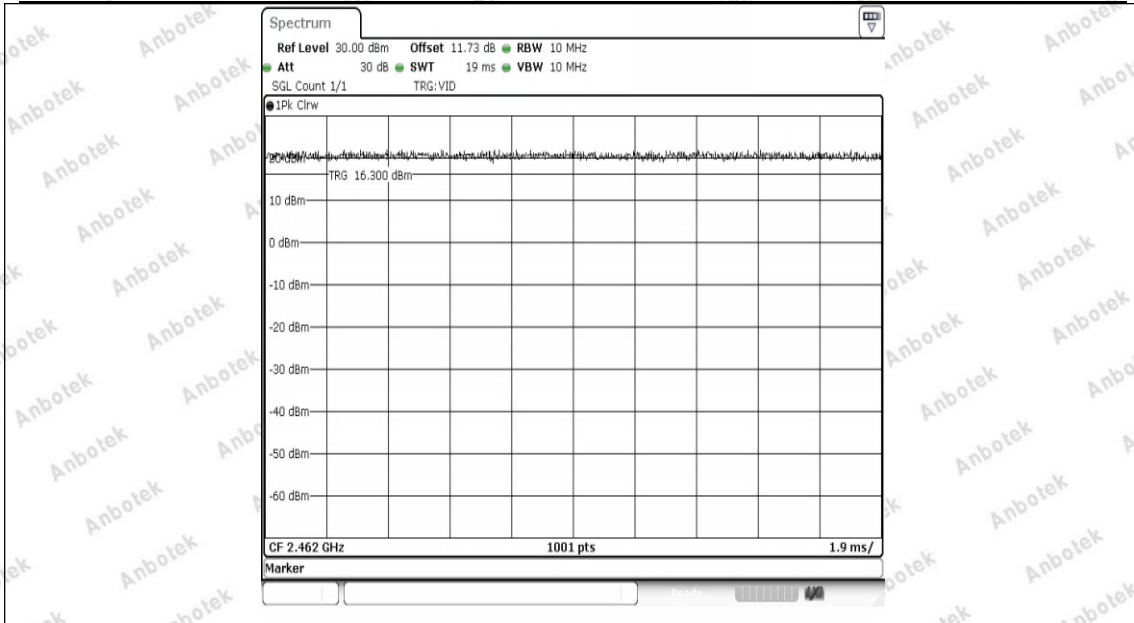


NTVN-11G-Ant1-2412

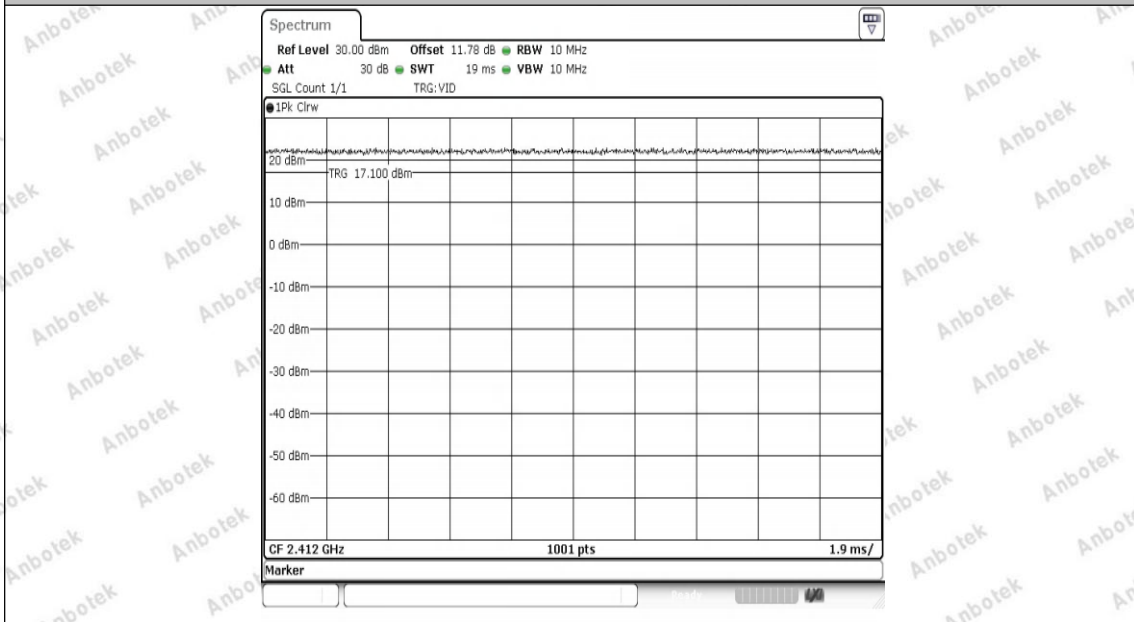


NTVN-11G-Ant1-2437



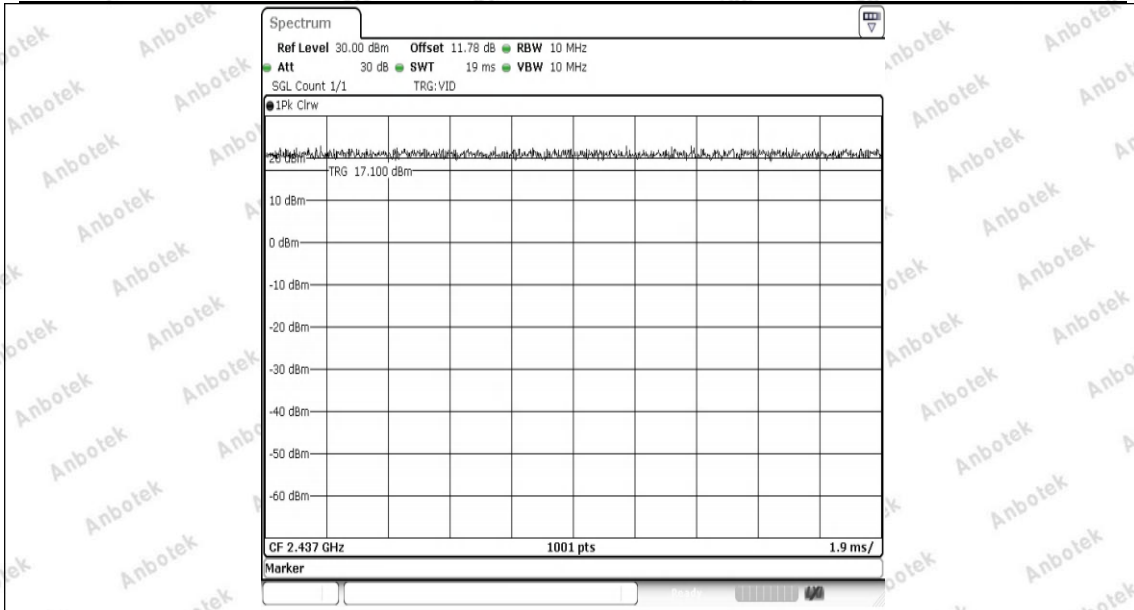


NTNV-11G-Ant1-2462

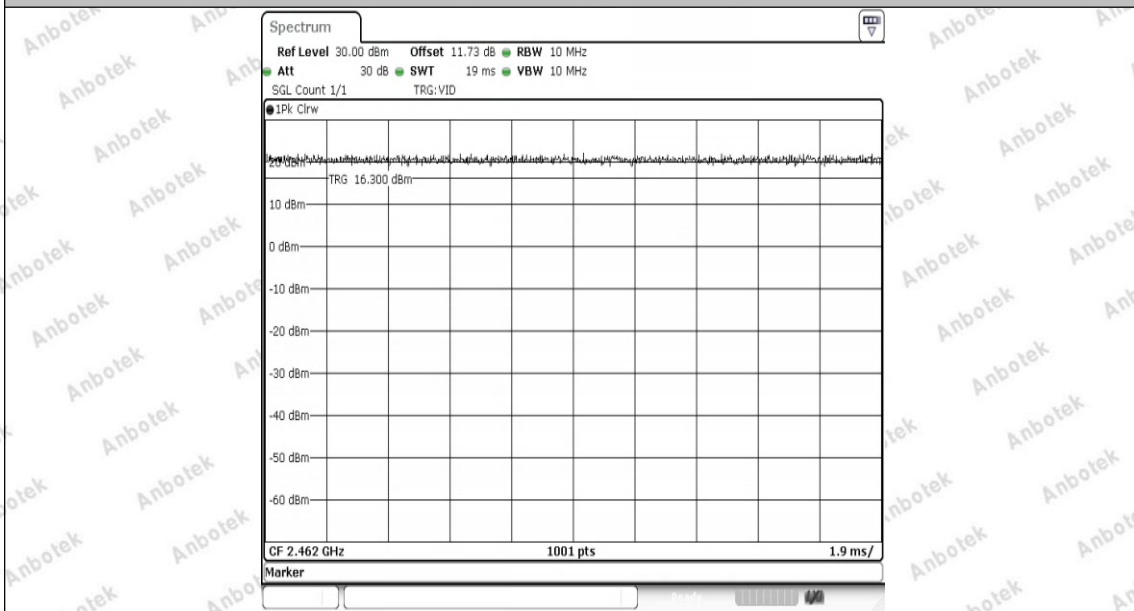


NTNV-11N20SISO-Ant1-2412





NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---END---

