

## Appendix Test Data

Report No:	18220WC40053601	Test Sample NO:	1-2-2
Start Test Date:	2024.7.9	Finish Test Date:	2024.7.9
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	29.7°C	Relative Humidity:	51%
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	8.08	2408.44	2416.52	0.5	PASS
11B	Ant1	2437	8.08	2432.96	2441.04	0.5	PASS
11B	Ant1	2462	8.08	2457.96	2466.04	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
11G	Ant1	2437	16.32	2428.84	2445.16	0.5	PASS
11G	Ant1	2462	15.88	2454.24	2470.12	0.5	PASS
11N20SISO	Ant1	2412	13.88	2405.68	2419.56	0.5	PASS
11N20SISO	Ant1	2437	15.52	2429.84	2445.36	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.20	2470.80	0.5	PASS
11N40SISO	Ant1	2422	28.88	2410.64	2439.52	0.5	PASS
11N40SISO	Ant1	2437	35.20	2419.40	2454.60	0.5	PASS
11N40SISO	Ant1	2452	35.52	2434.40	2469.92	0.5	PASS

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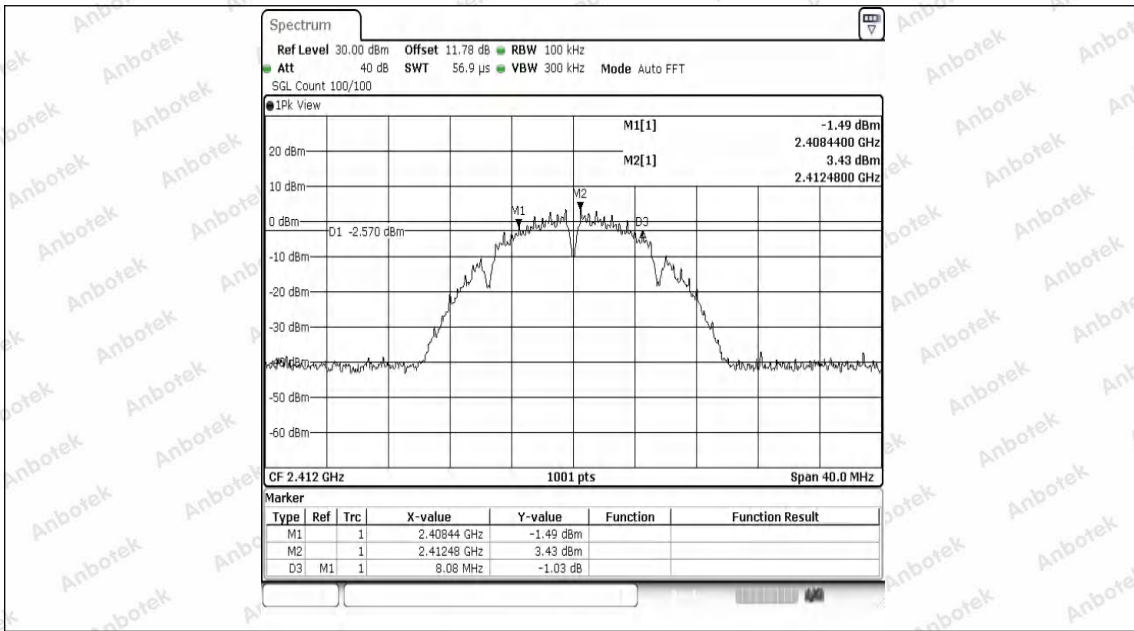
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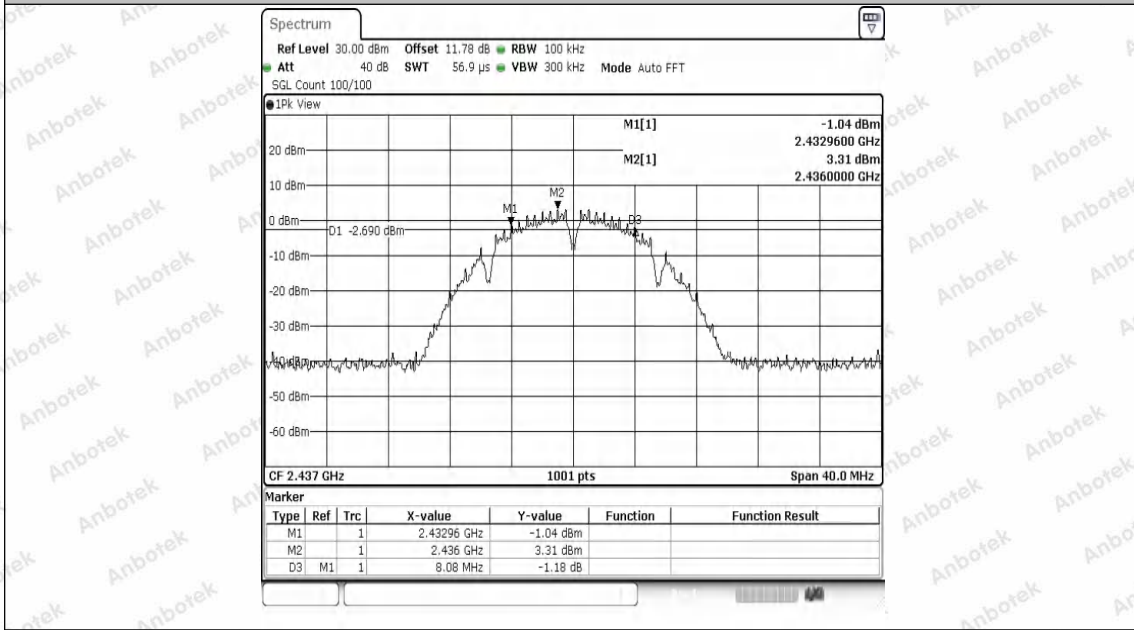
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**Test Graphs**

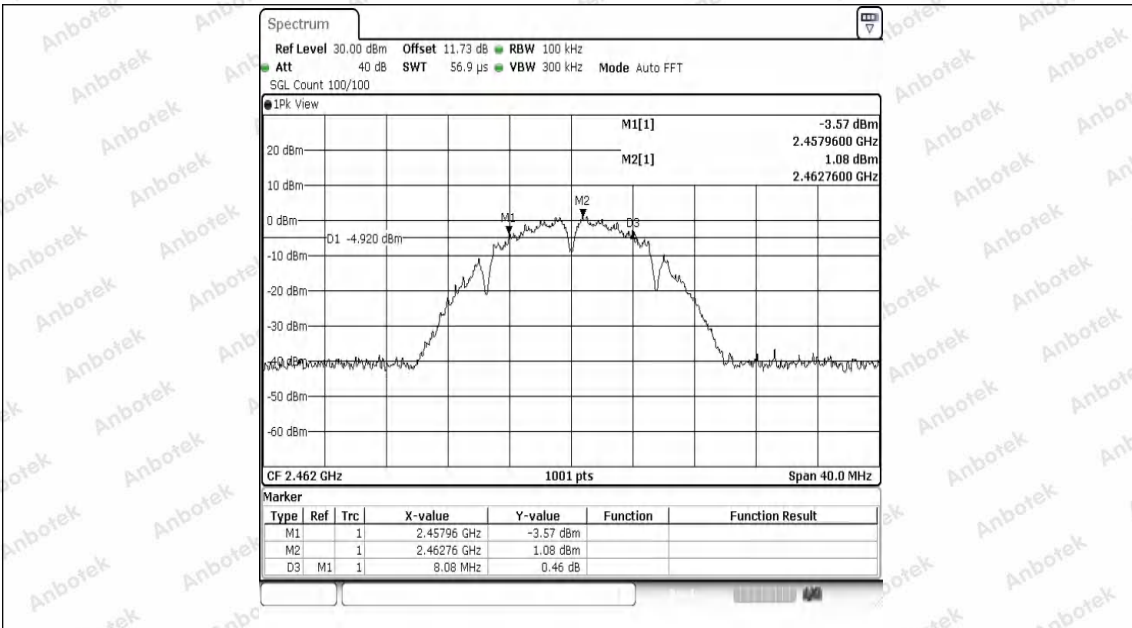


11B-Ant1-2412-PASS

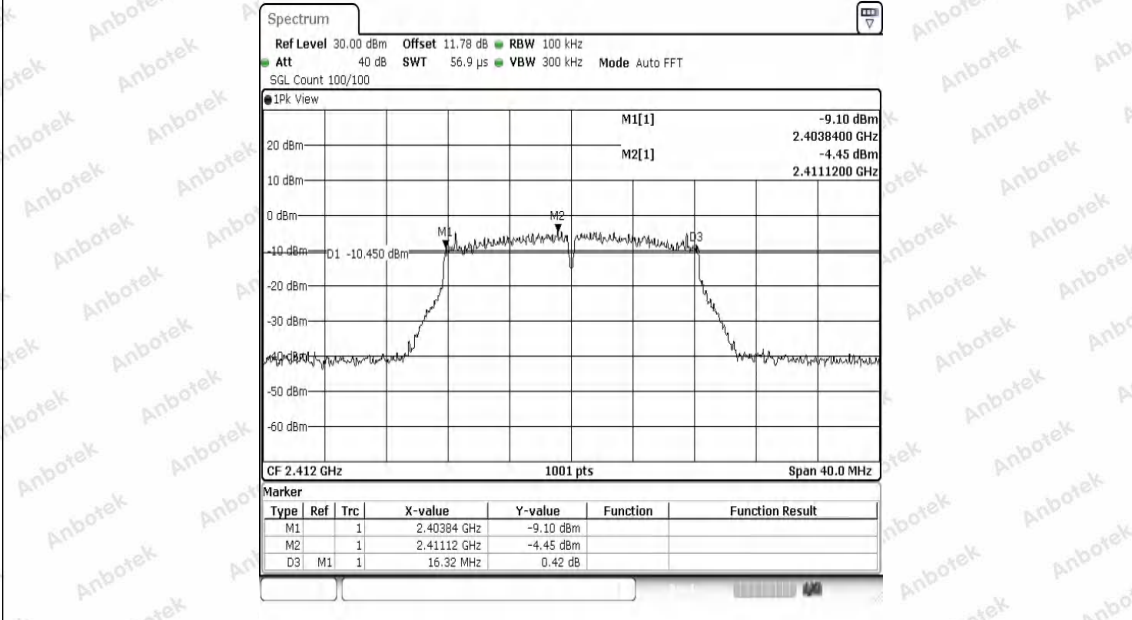


11B-Ant1-2437-PASS



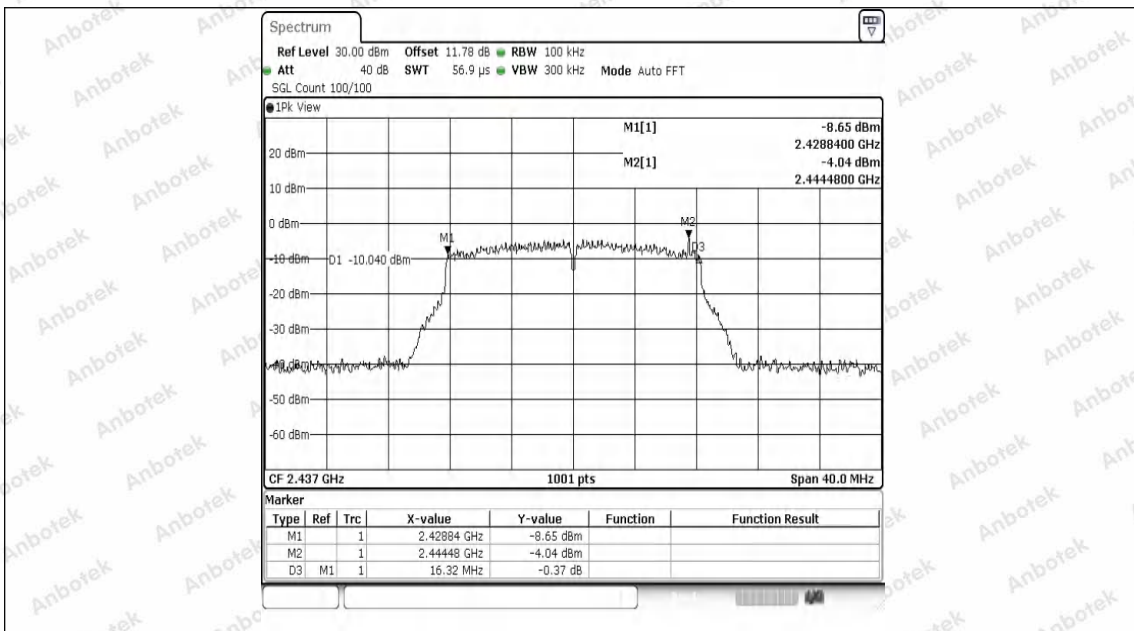


11B-Ant1-2462-PASS

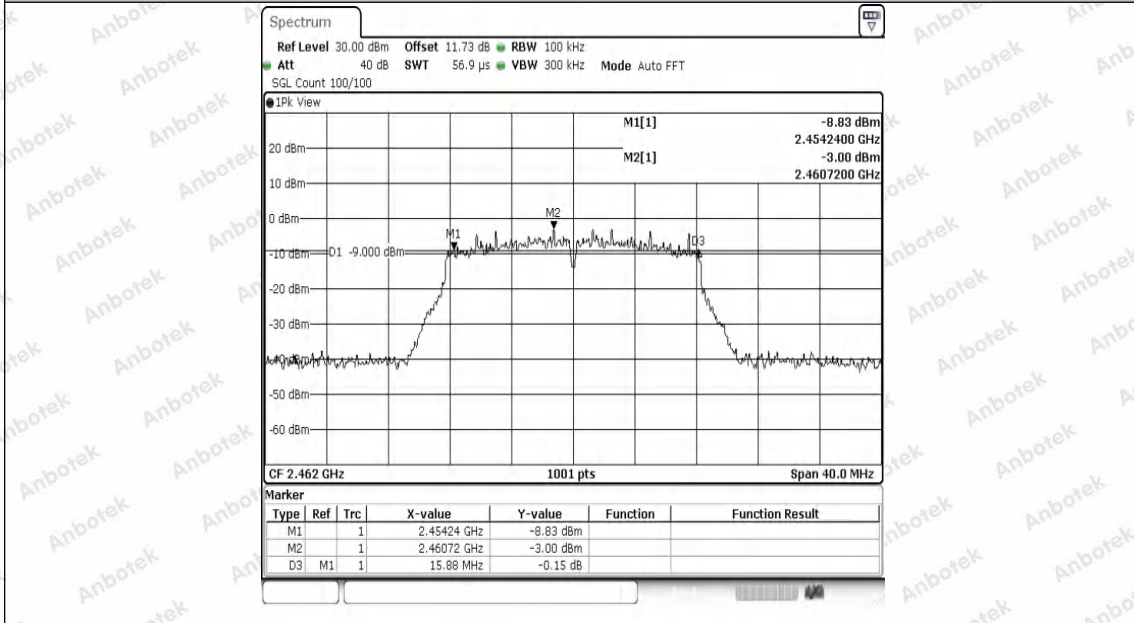


11G-Ant1-2412-PASS



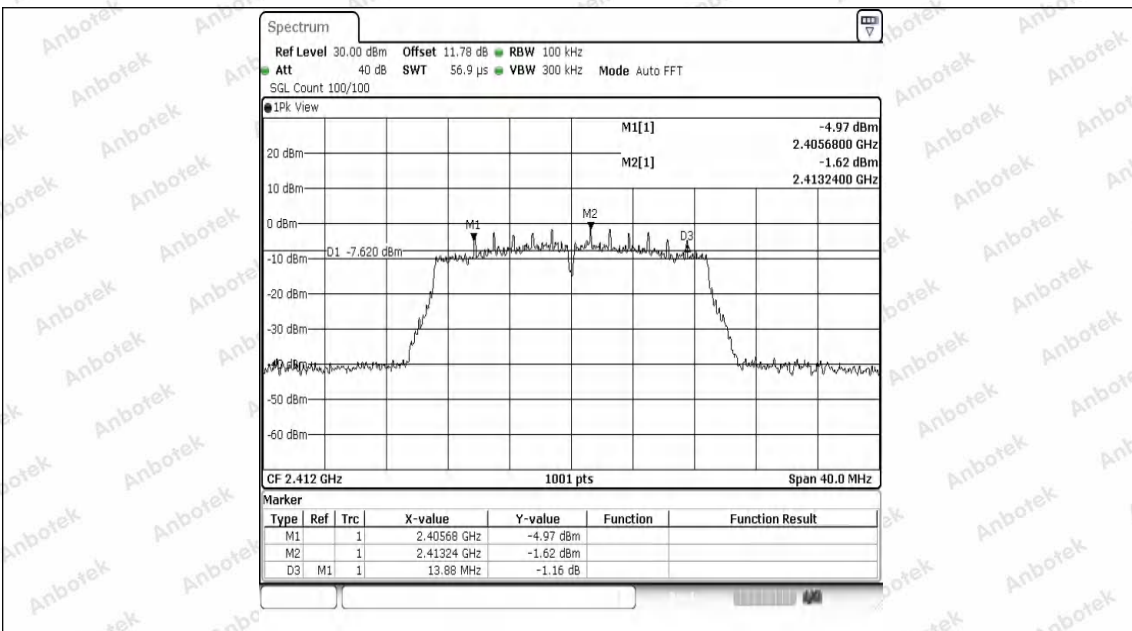


11G-Ant1-2437-PASS

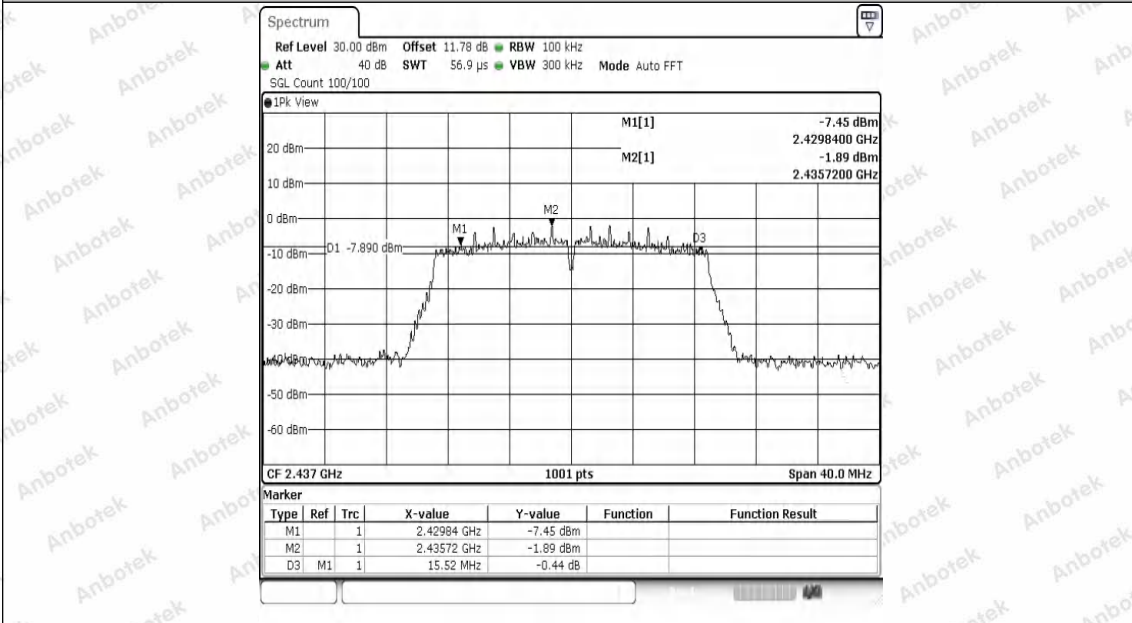


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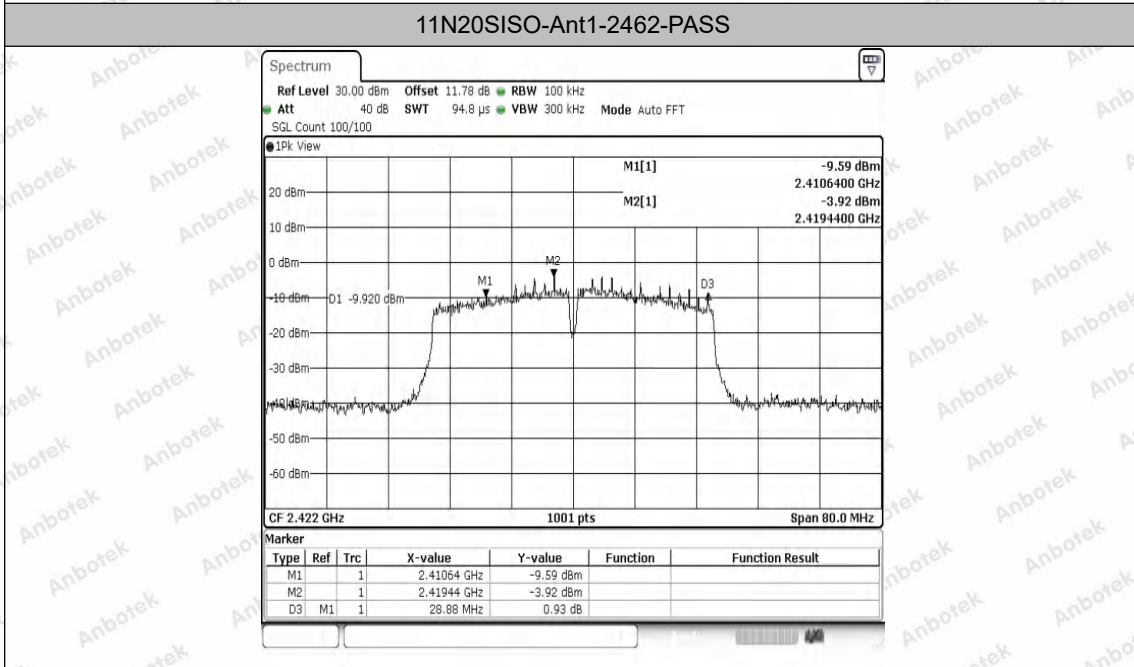
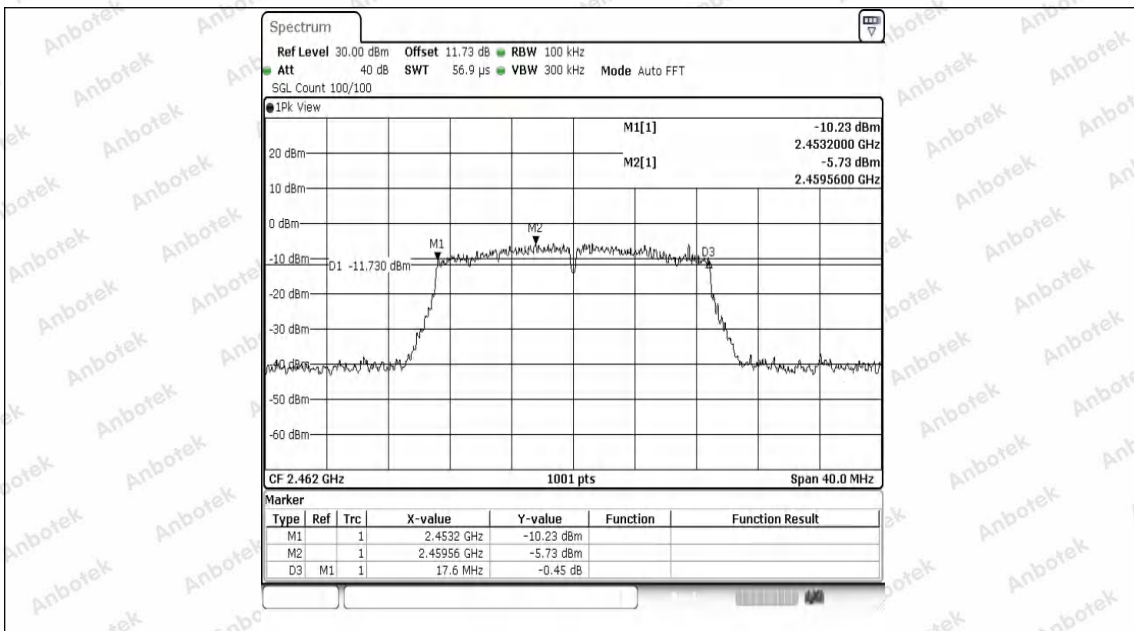


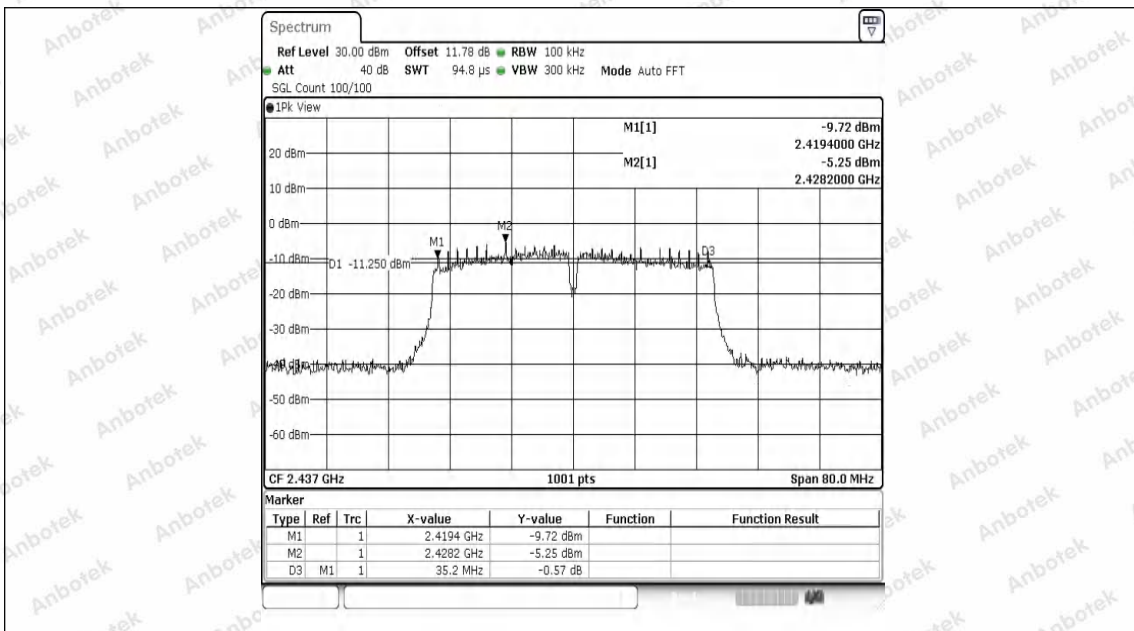
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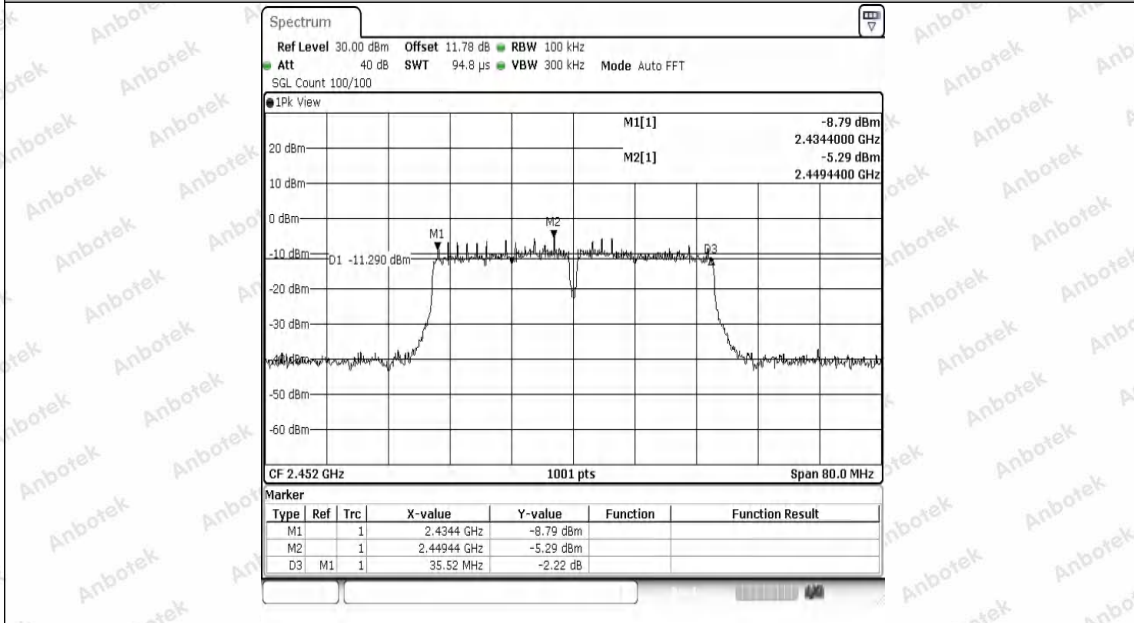
11N20SISO-Ant1-2437-PASS







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	12.907	2405.6464	2418.5534	---	---
11B	Ant1	2437	12.947	2430.4466	2443.3936	---	---
11B	Ant1	2462	12.987	2455.6064	2468.5934	---	---
11G	Ant1	2412	17.063	2403.3287	2420.3916	---	---
11G	Ant1	2437	16.783	2428.6484	2445.4316	---	---
11G	Ant1	2462	16.903	2453.4885	2470.3916	---	---
11N20SISO	Ant1	2412	17.782	2403.0889	2420.8711	---	---
11N20SISO	Ant1	2437	17.822	2428.0889	2445.9111	---	---
11N20SISO	Ant1	2462	17.702	2453.1289	2470.8312	---	---
11N40SISO	Ant1	2422	36.044	2404.0180	2440.0619	---	---
11N40SISO	Ant1	2437	36.204	2418.8581	2455.0619	---	---
11N40SISO	Ant1	2452	36.364	2433.7782	2470.1419	---	---

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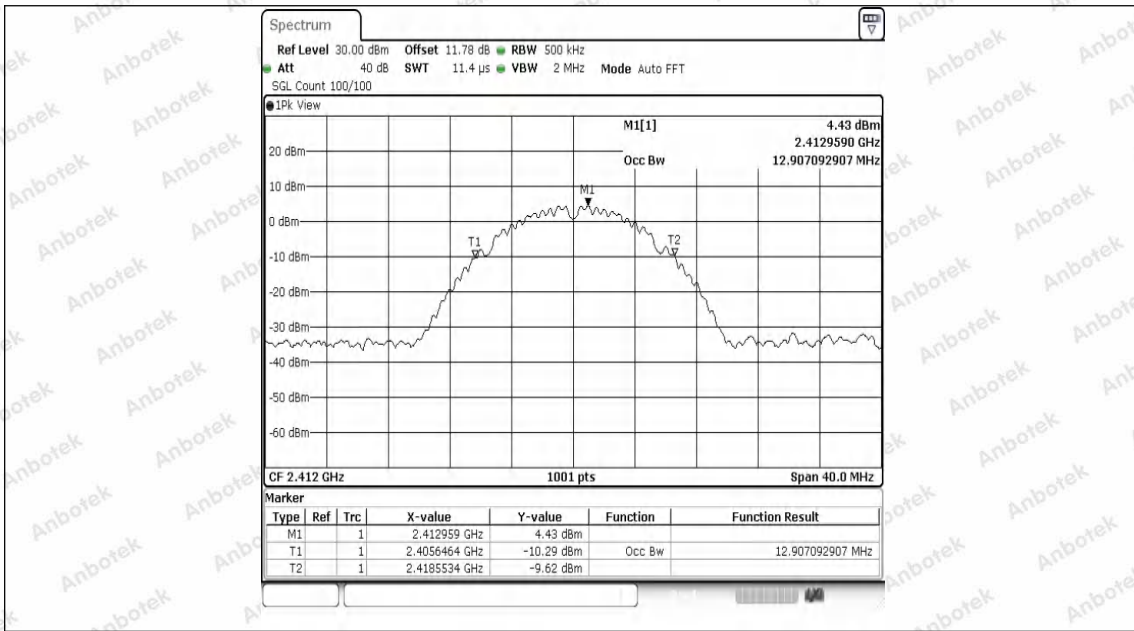


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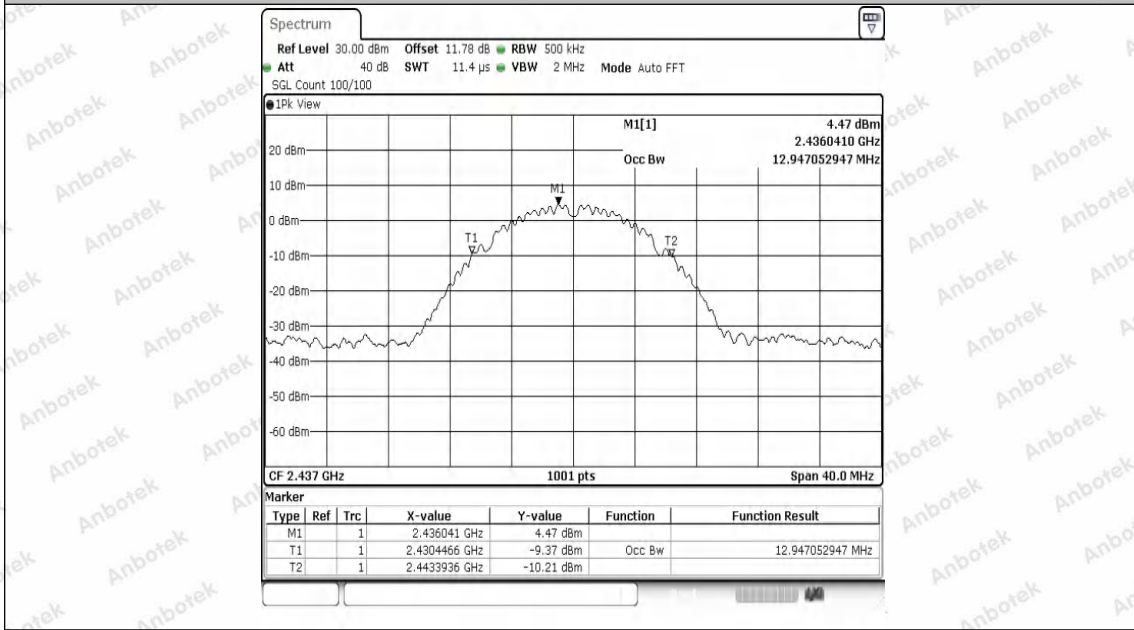




**Test Graphs**



11B-Ant1-2412



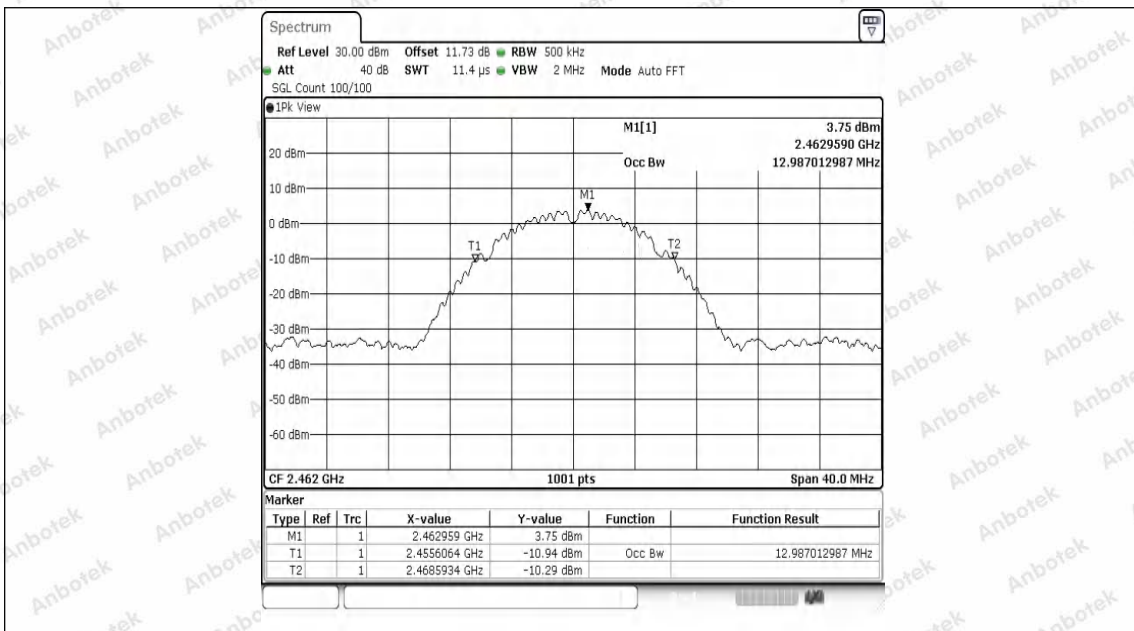
11B-Ant1-2437

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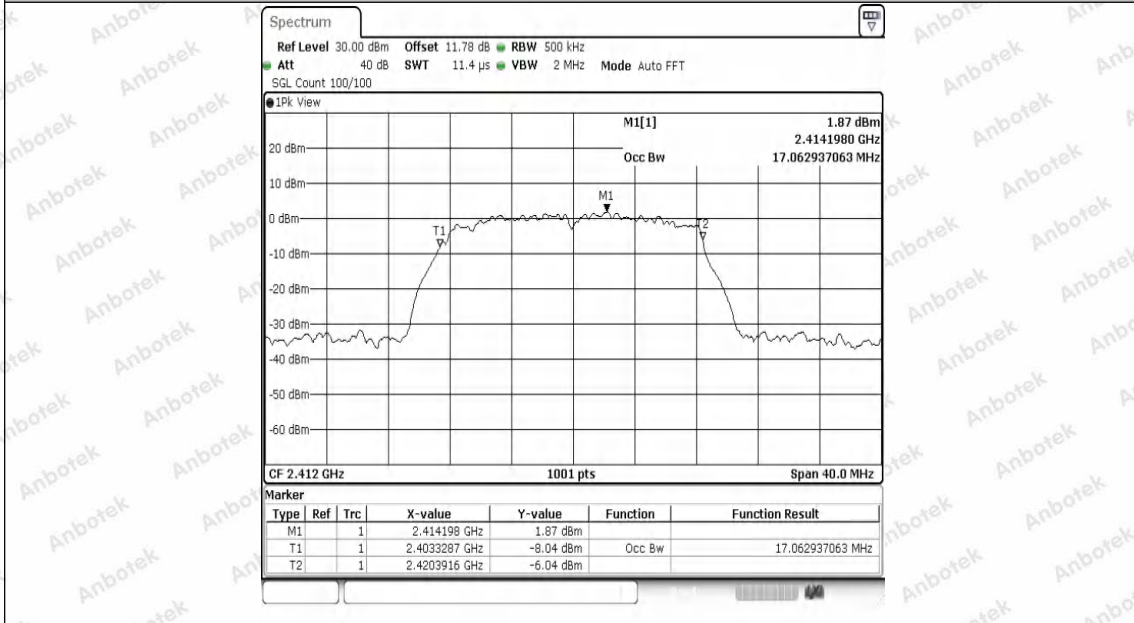
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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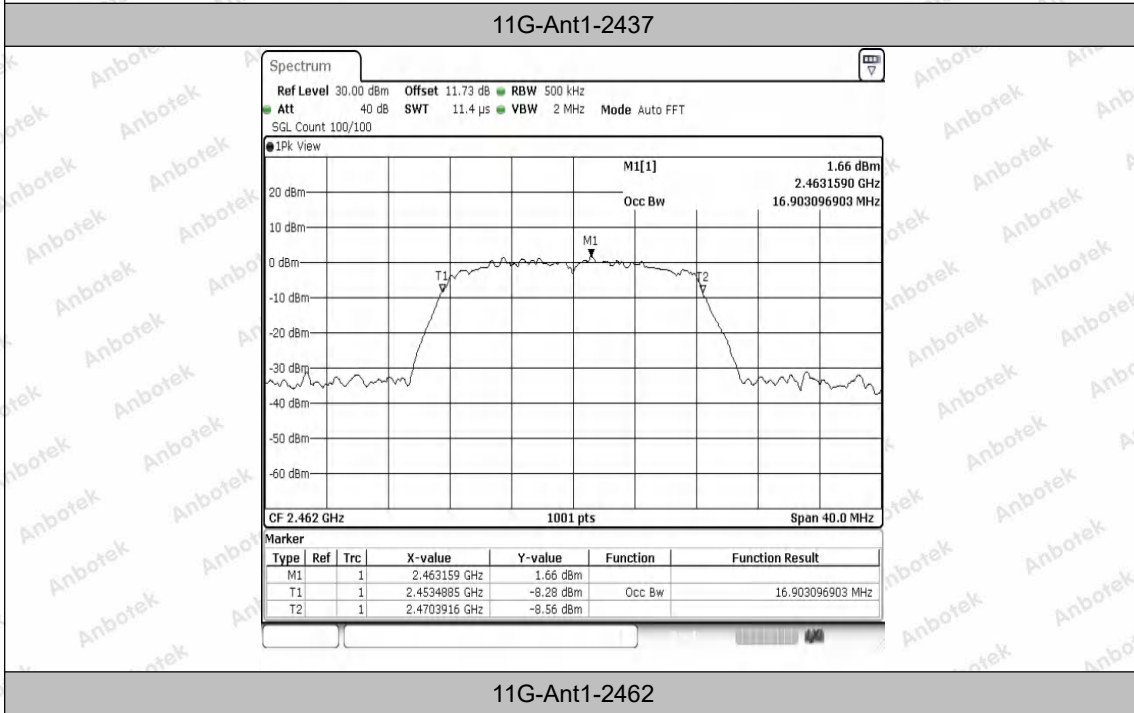
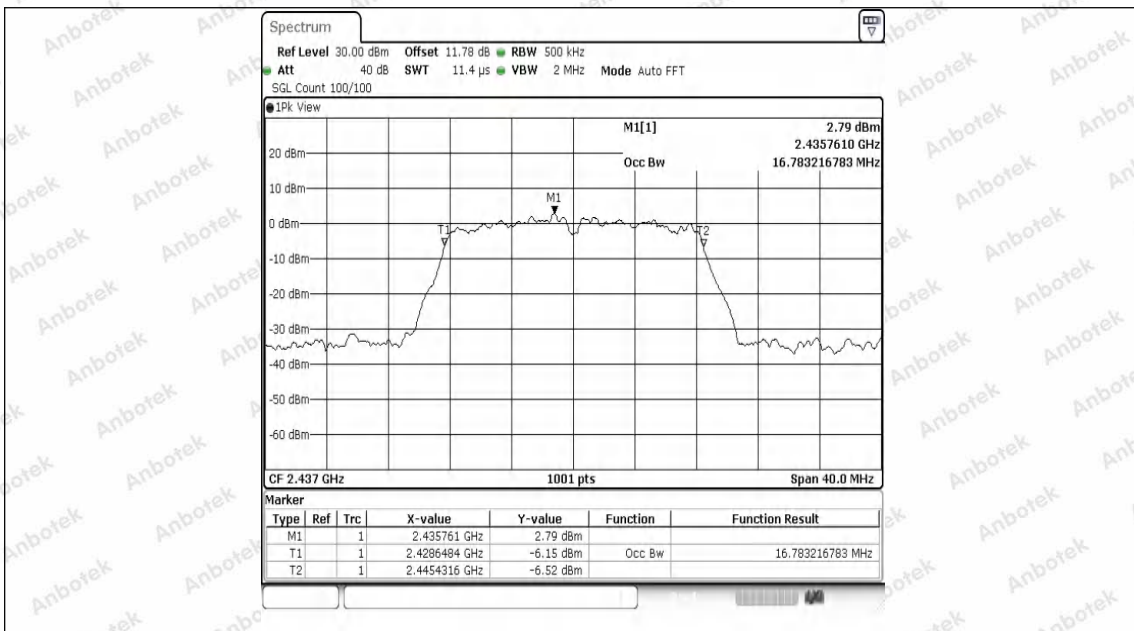


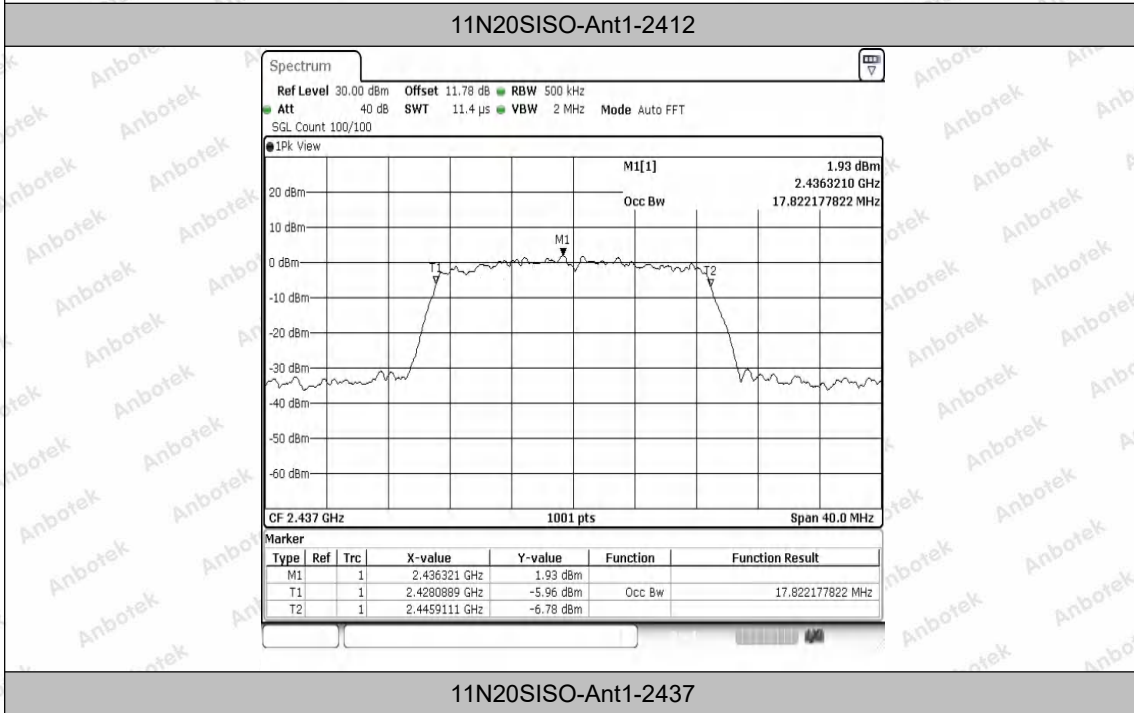
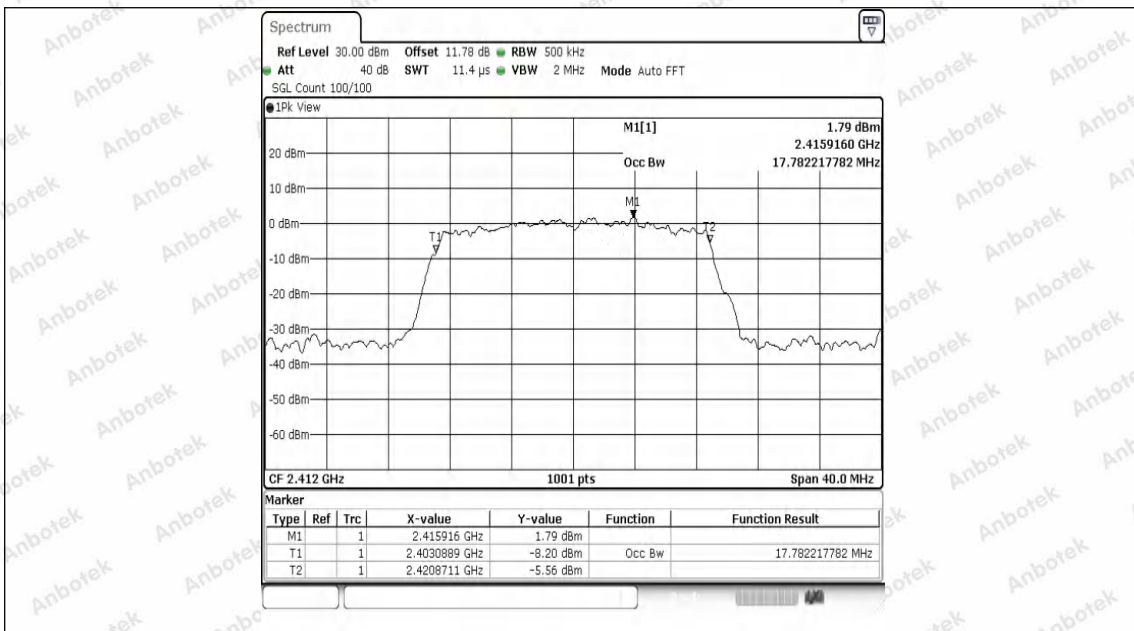
11B-Ant1-2462



11G-Ant1-2412





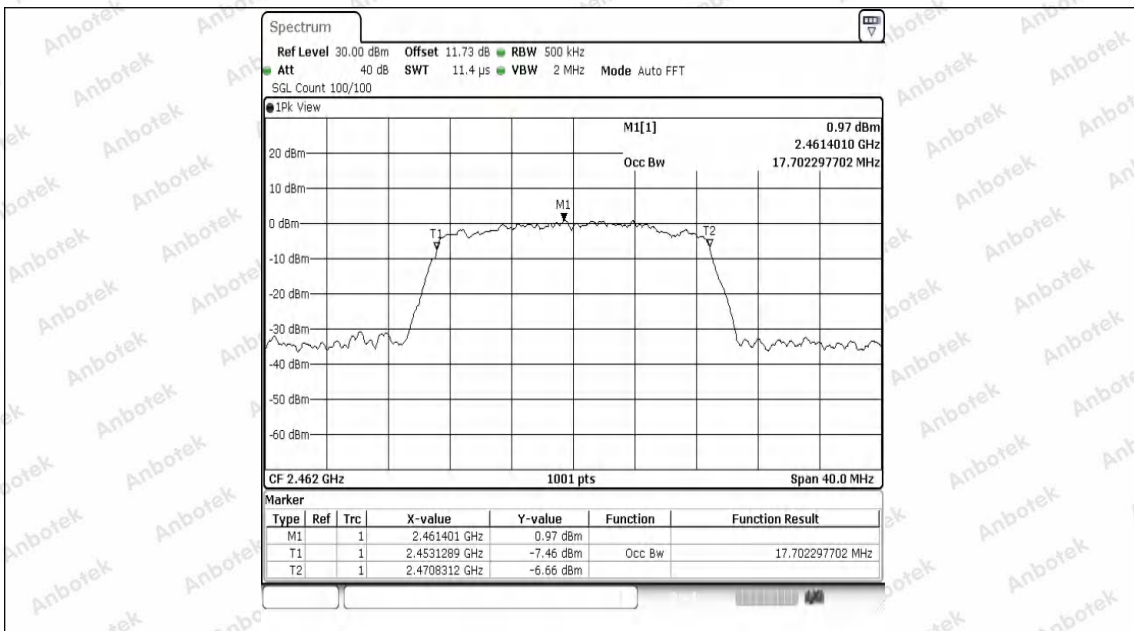


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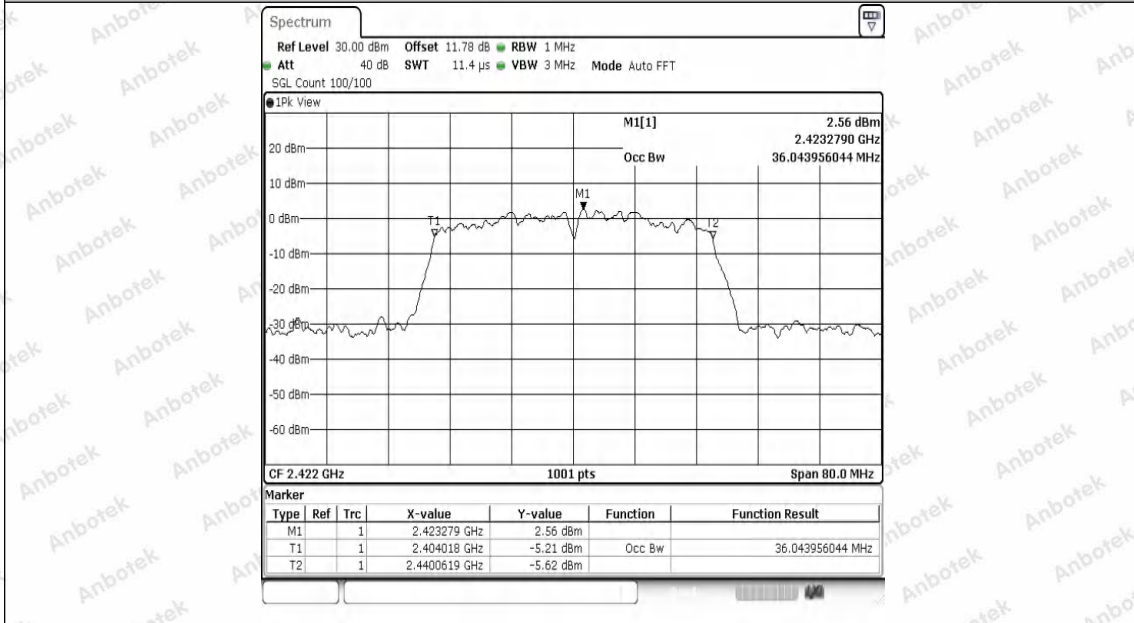
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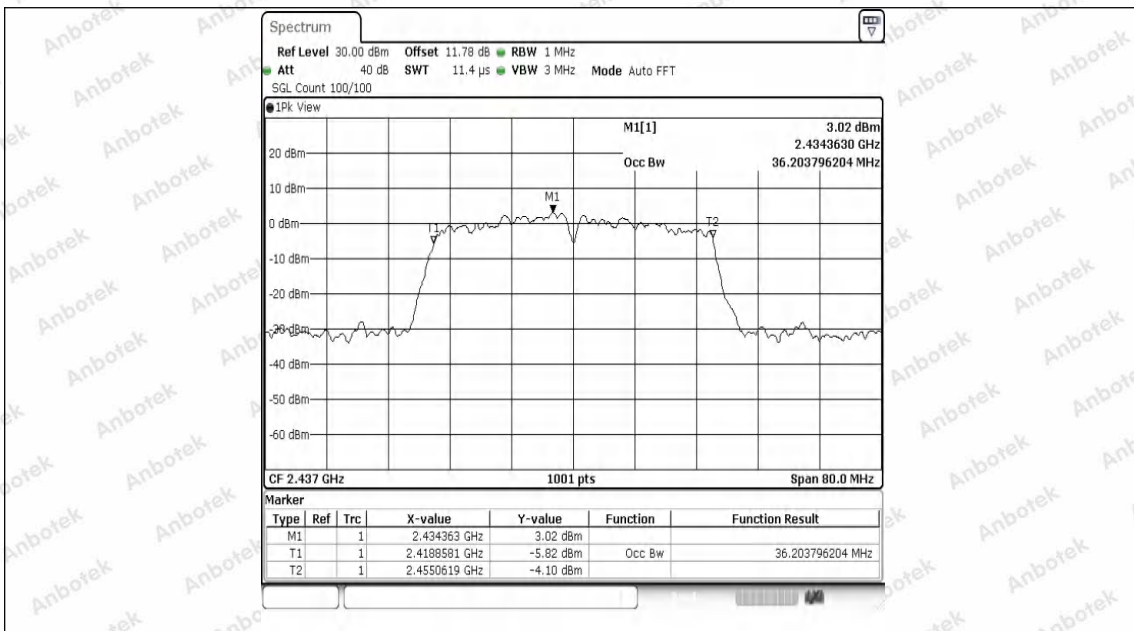


11N20SISO-Ant1-2462

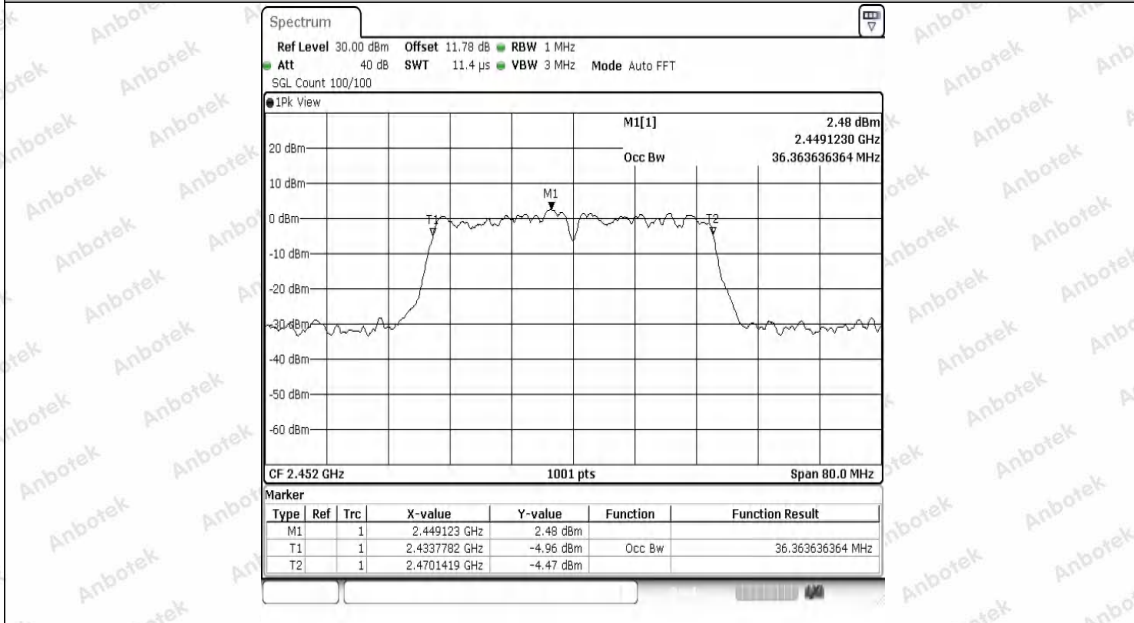


11N40SISO-Ant1-2422





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 [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	13.20	99.64	0.02	13.22	≤29.37	PASS
11B	Ant1	2437	---	13.18	99.64	0.02	13.20	≤29.37	PASS
11B	Ant1	2462	---	12.35	99.53	0.02	12.37	≤29.37	PASS
11G	Ant1	2412	---	13.60	97.90	0.09	13.69	≤29.37	PASS
11G	Ant1	2437	---	13.74	97.20	0.12	13.86	≤29.37	PASS
11G	Ant1	2462	---	13.07	97.20	0.12	13.19	≤29.37	PASS
11N20SISO	Ant1	2412	---	13.30	97.74	0.10	13.40	≤29.37	PASS
11N20SISO	Ant1	2437	---	13.49	97.01	0.13	13.62	≤29.37	PASS
11N20SISO	Ant1	2462	---	12.78	97.01	0.13	12.91	≤29.37	PASS
11N40SISO	Ant1	2422	---	13.58	95.59	0.20	13.78	≤29.37	PASS
11N40SISO	Ant1	2437	---	13.58	94.12	0.26	13.84	≤29.37	PASS
11N40SISO	Ant1	2452	---	13.18	94.20	0.26	13.44	≤29.37	PASS

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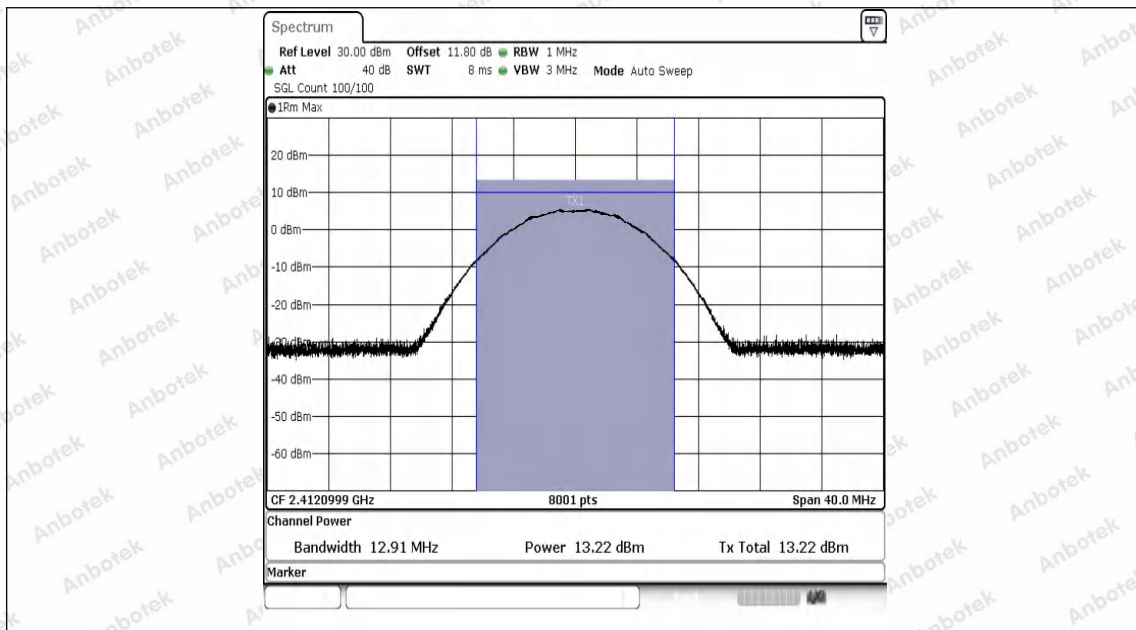
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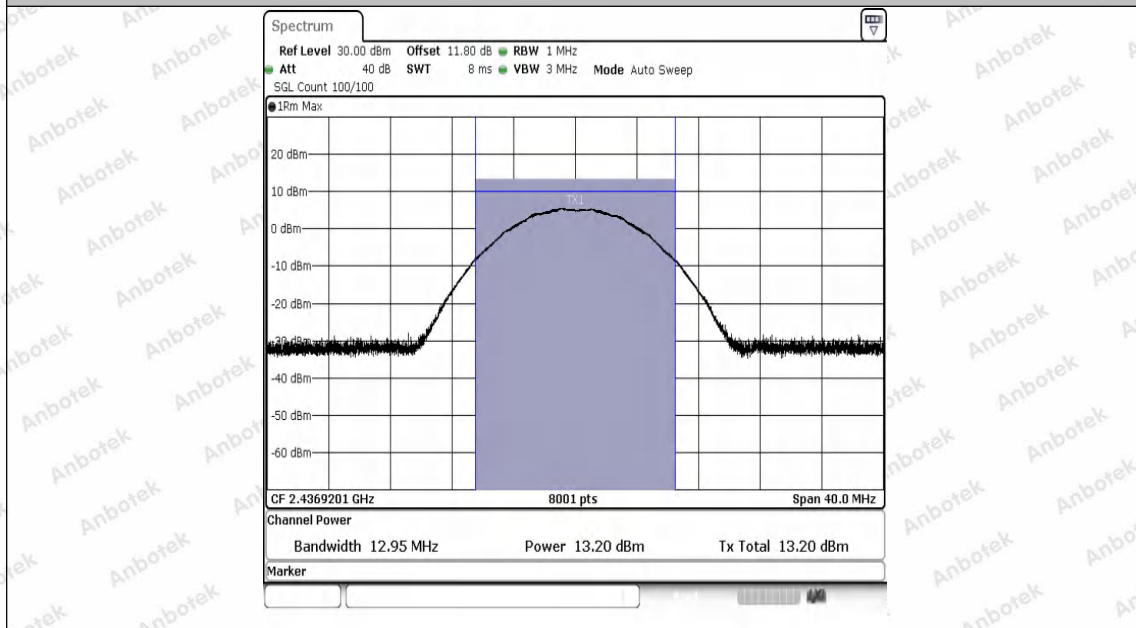
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**Test Graphs Average**



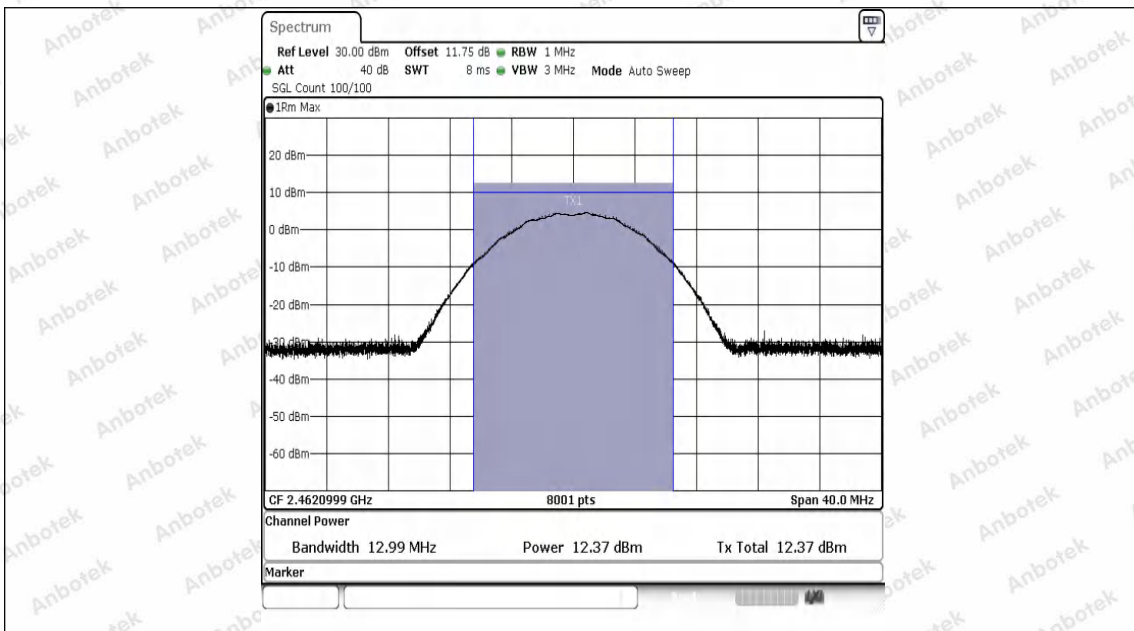
11B-Ant1-2412-PASS



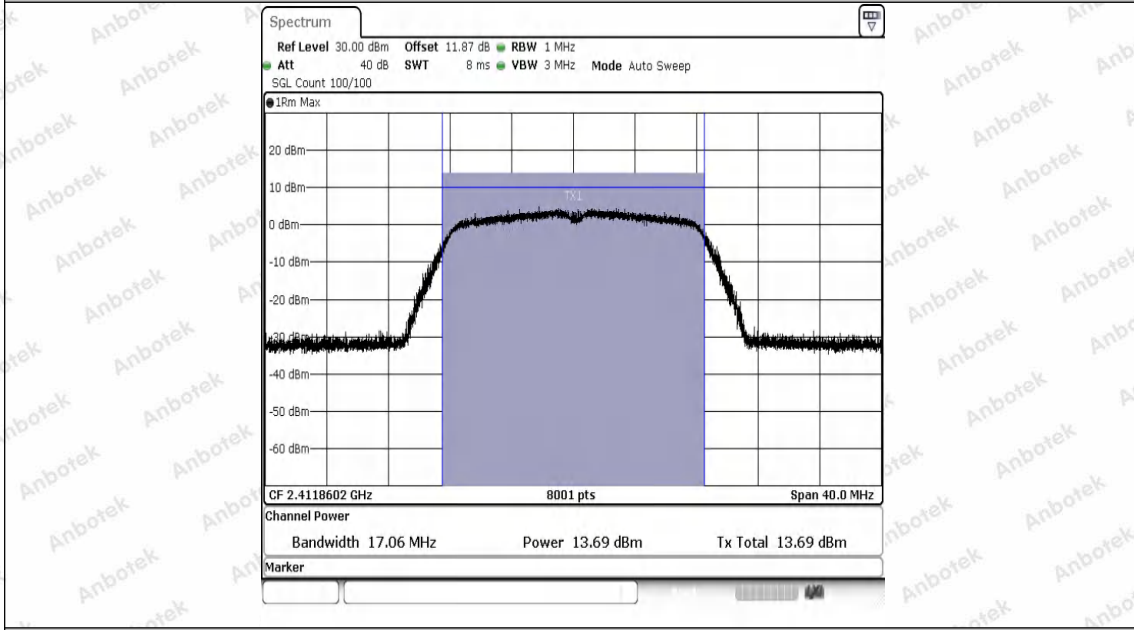
11B-Ant1-2437-PASS





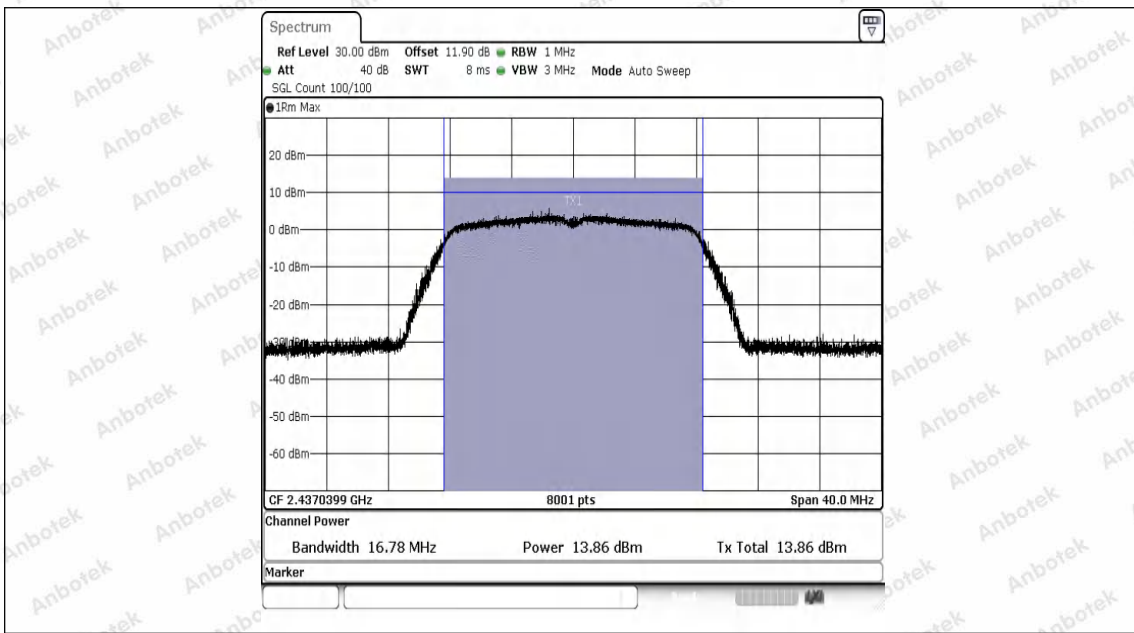


11B-Ant1-2462-PASS

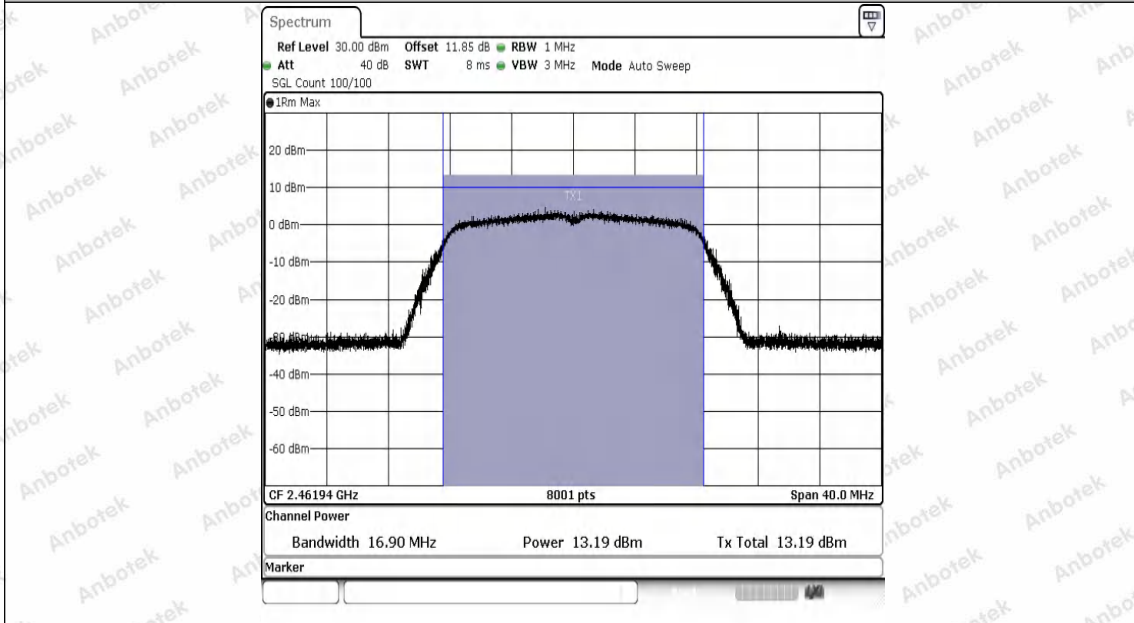


11G-Ant1-2412-PASS



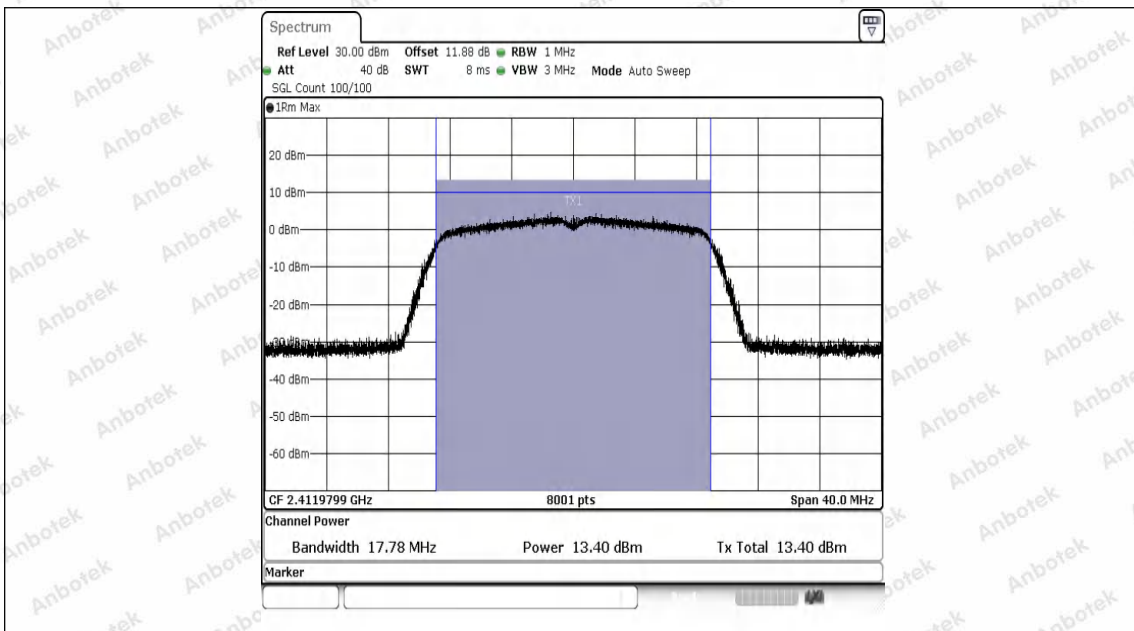


11G-Ant1-2437-PASS

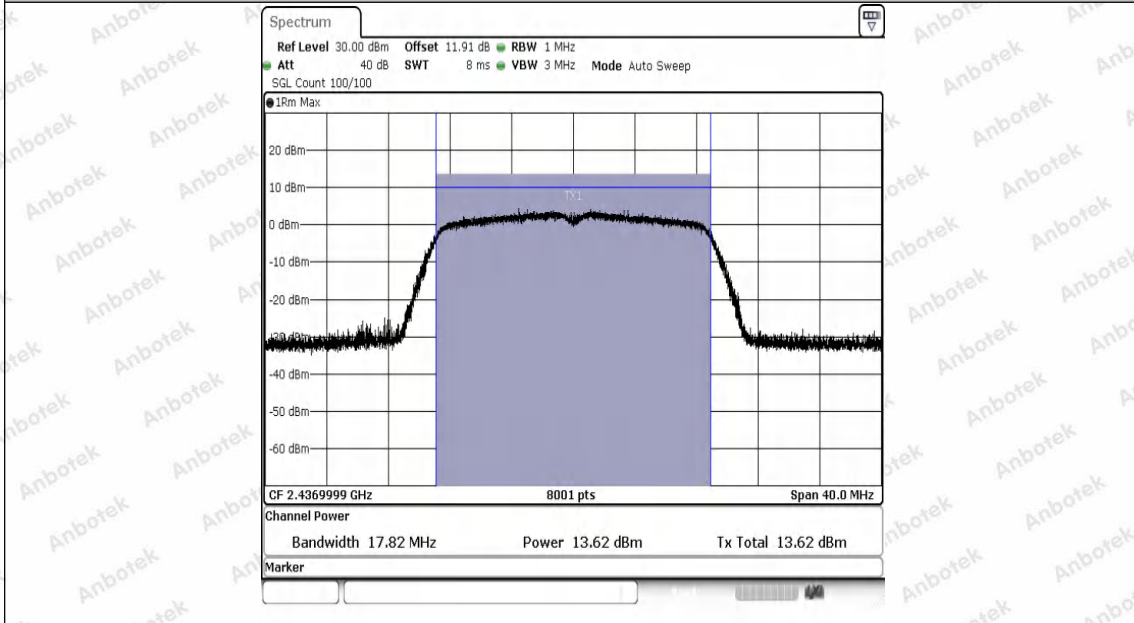


11G-Ant1-2462-PASS



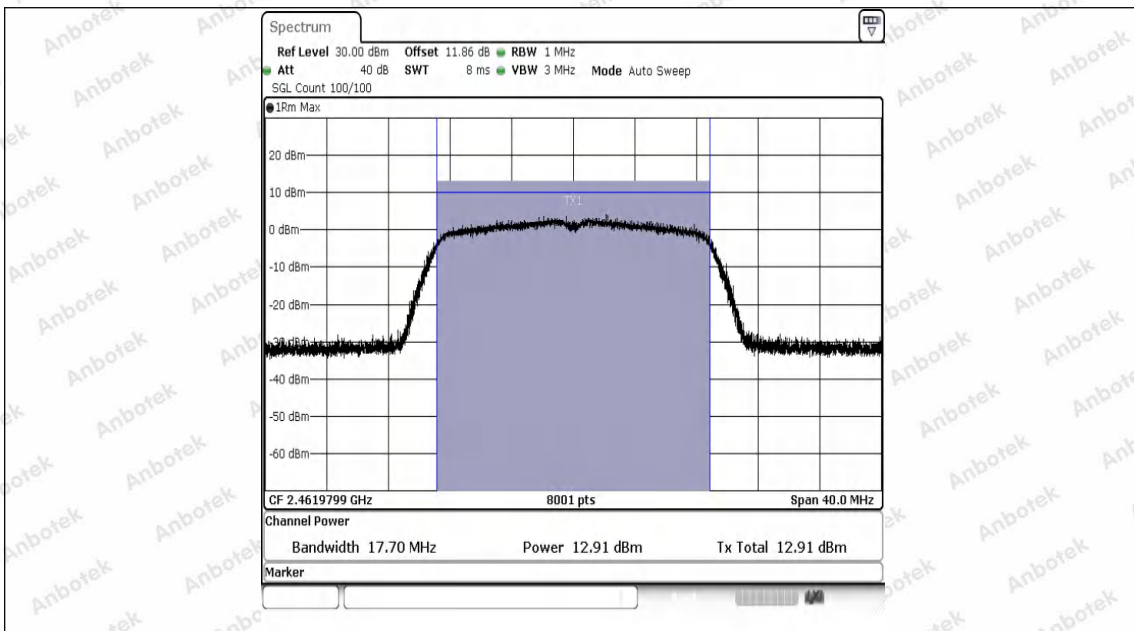


11N20SISO-Ant1-2412-PASS

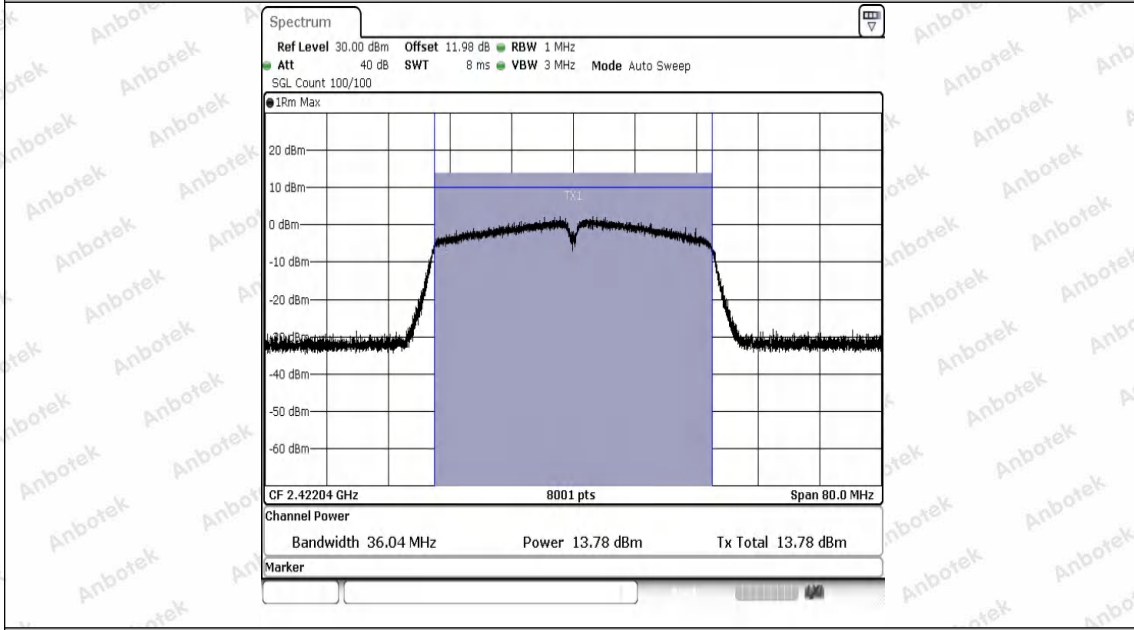


11N20SISO-Ant1-2437-PASS



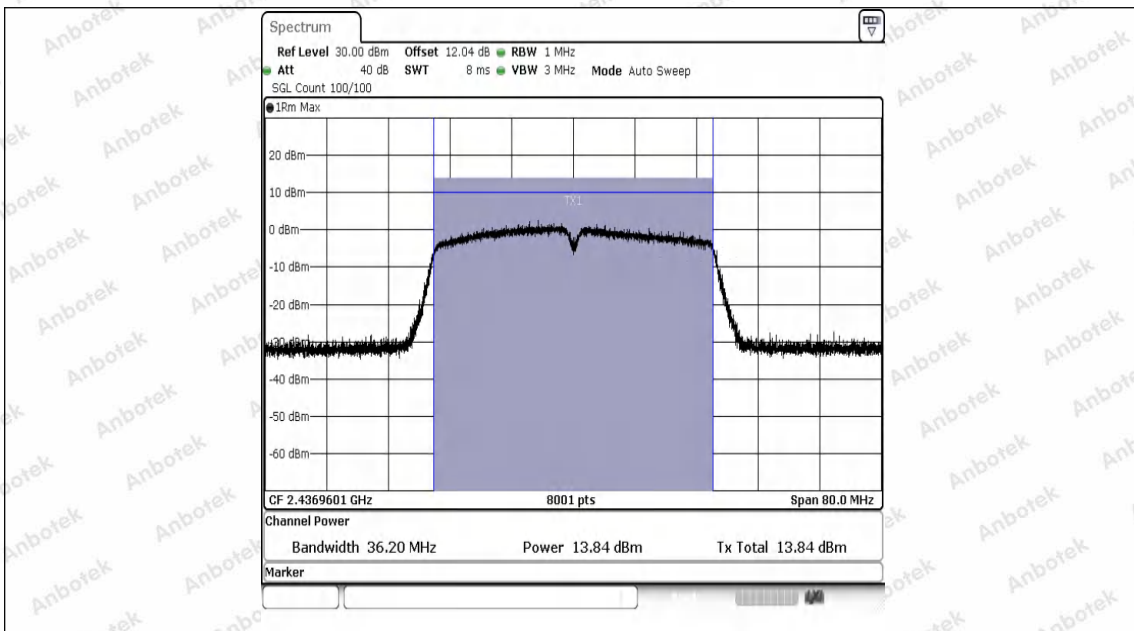


11N20SISO-Ant1-2462-PASS

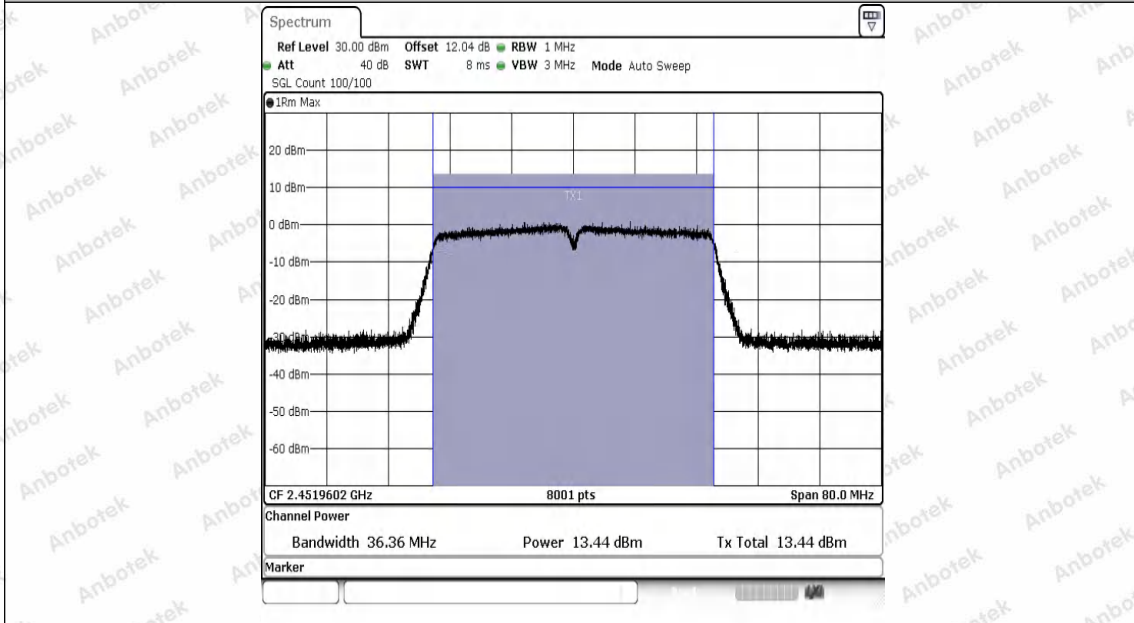


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.83	-18.83	≤7.37	PASS
11B	Ant1	2437	-9.17	-19.17	≤7.37	PASS
11B	Ant1	2462	-10.21	-20.21	≤7.37	PASS
11G	Ant1	2412	-14.76	-24.76	≤7.37	PASS
11G	Ant1	2437	-14.73	-24.73	≤7.37	PASS
11G	Ant1	2462	-14.75	-24.75	≤7.37	PASS
11N20SISO	Ant1	2412	-14.95	-24.95	≤7.37	PASS
11N20SISO	Ant1	2437	-14.83	-24.83	≤7.37	PASS
11N20SISO	Ant1	2462	-15.62	-25.62	≤7.37	PASS
11N40SISO	Ant1	2422	-17.31	-27.31	≤7.37	PASS
11N40SISO	Ant1	2437	-17.06	-27.06	≤7.37	PASS
11N40SISO	Ant1	2452	-18.30	-28.30	≤7.37	PASS

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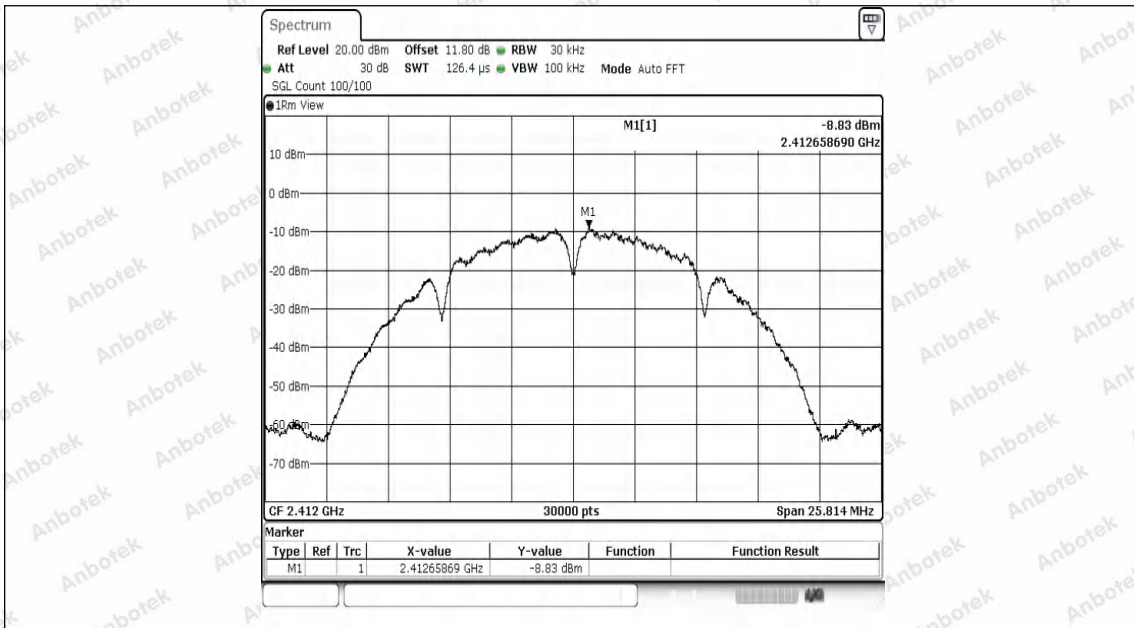
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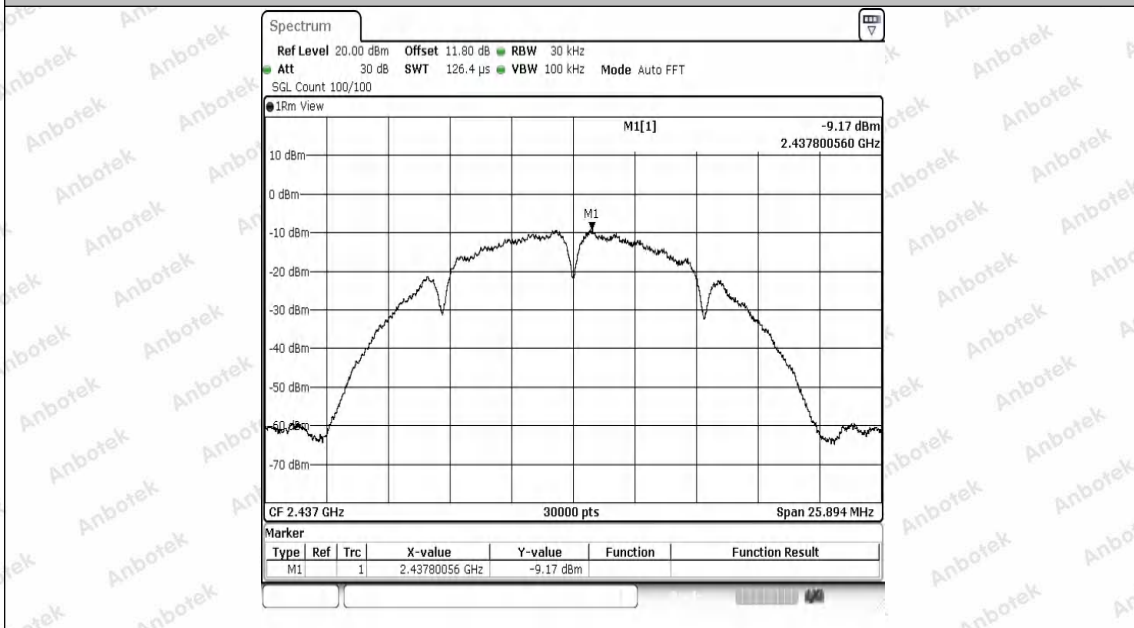
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**Test Graphs**

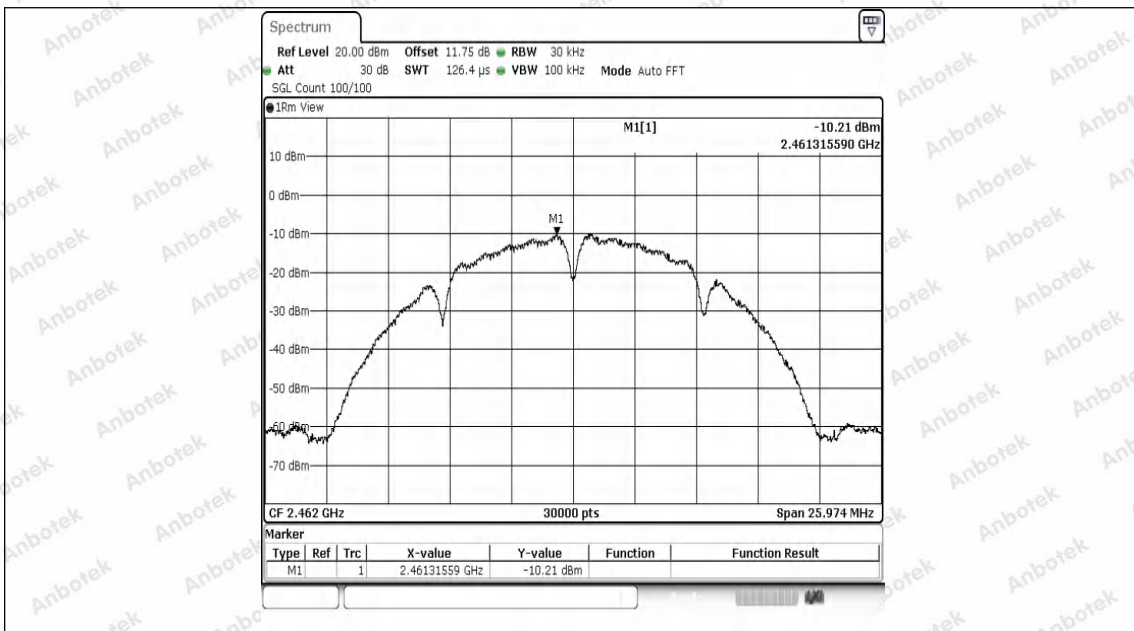


11B-Ant1-2412-PASS

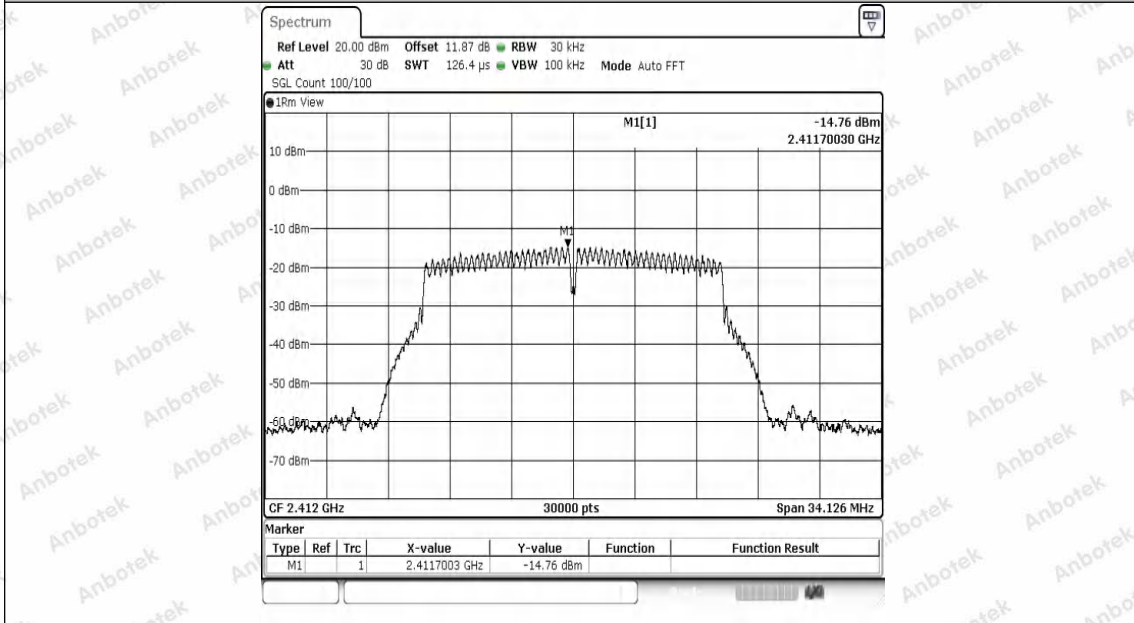


11B-Ant1-2437-PASS





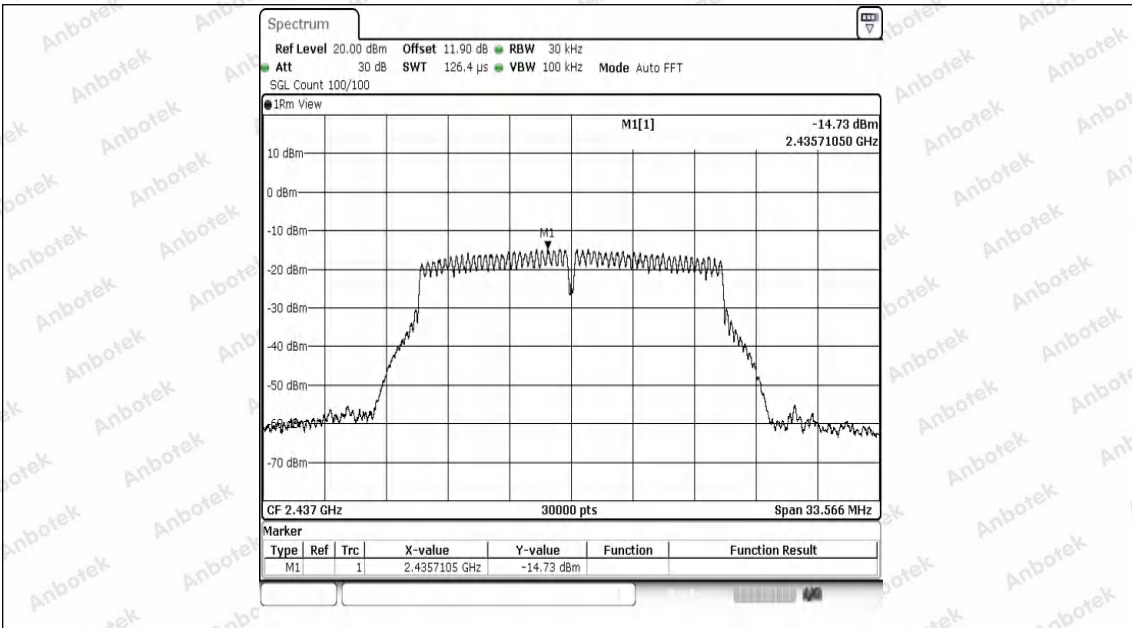
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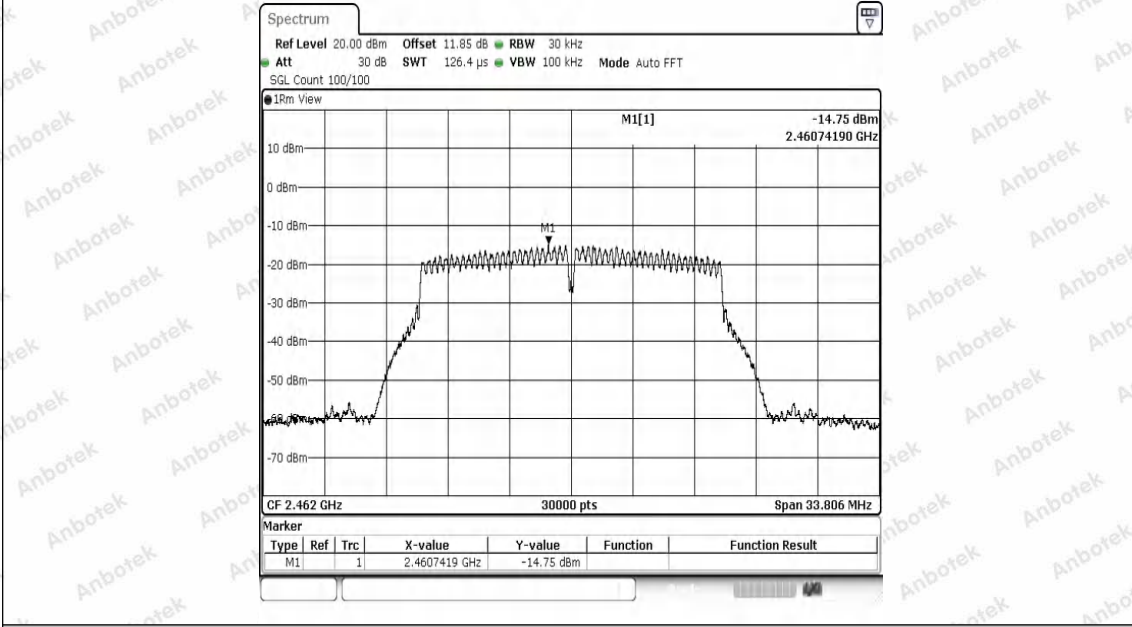
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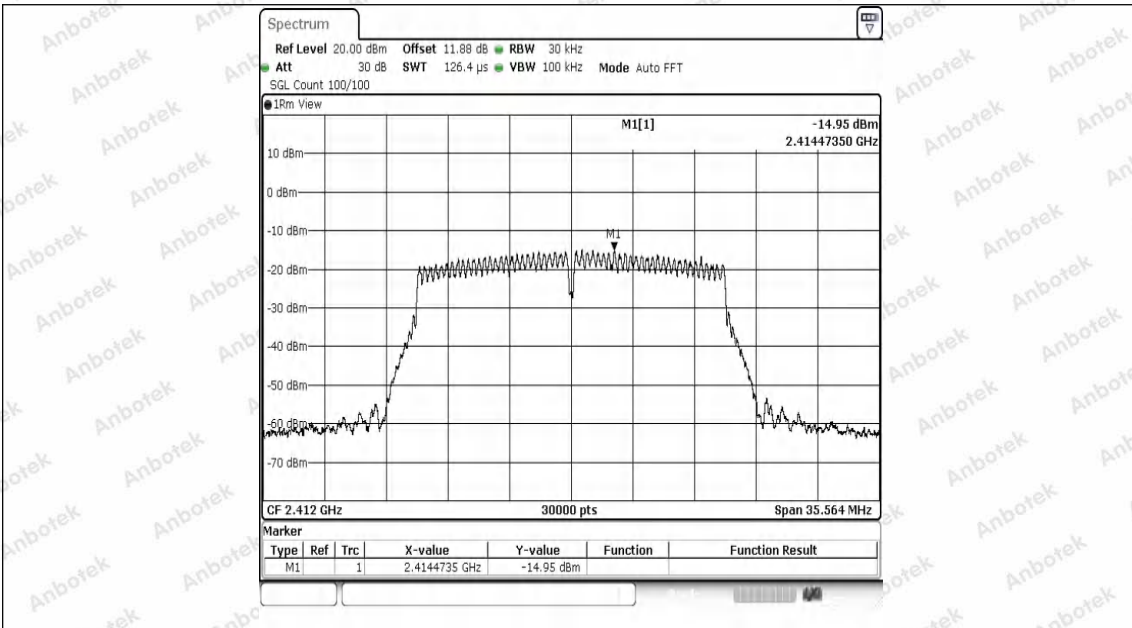


11G-Ant1-2437-PASS

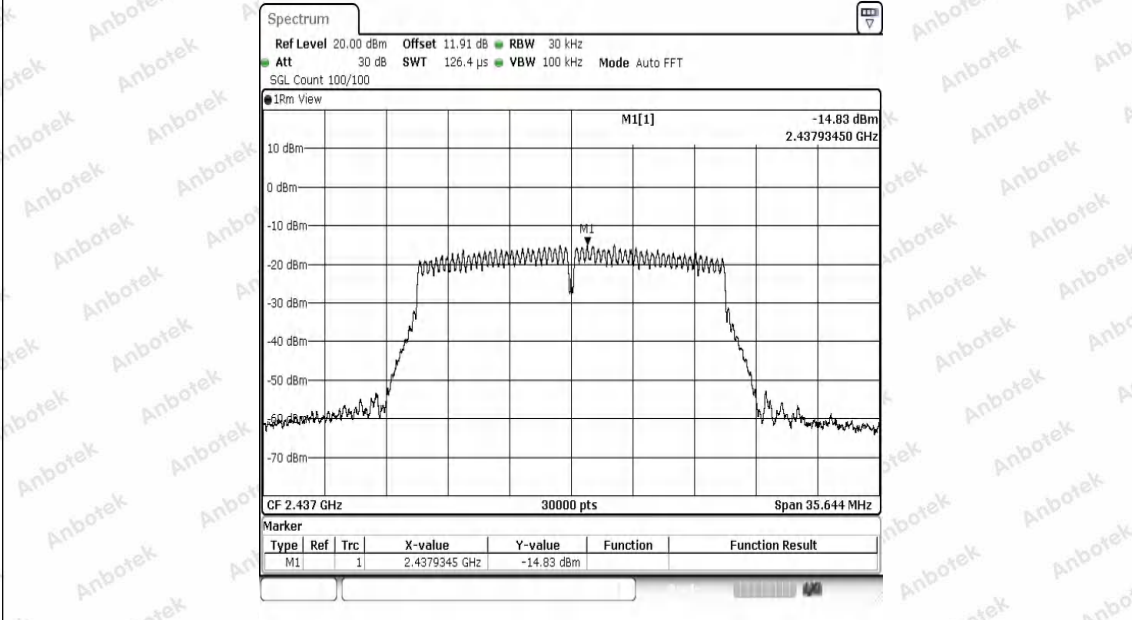


11G-Ant1-2462-PASS



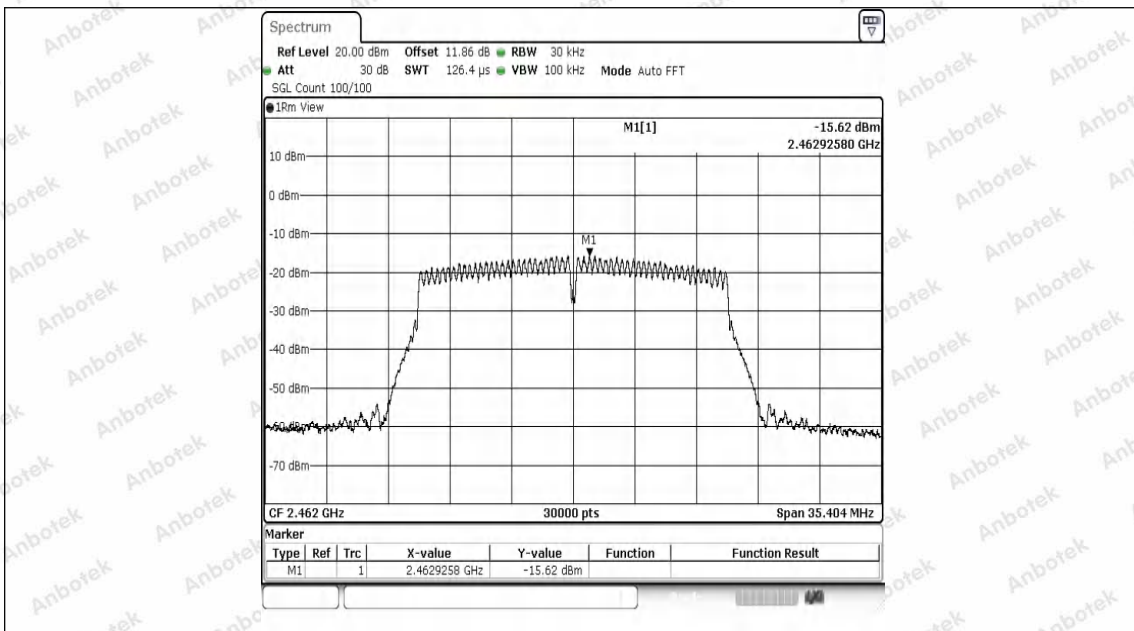


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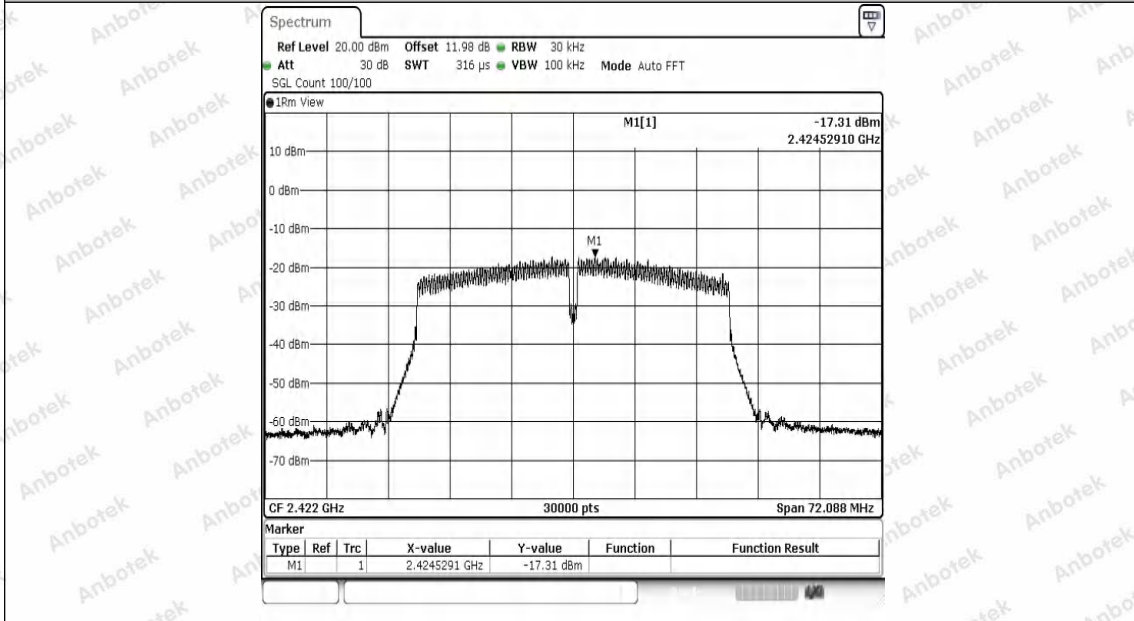


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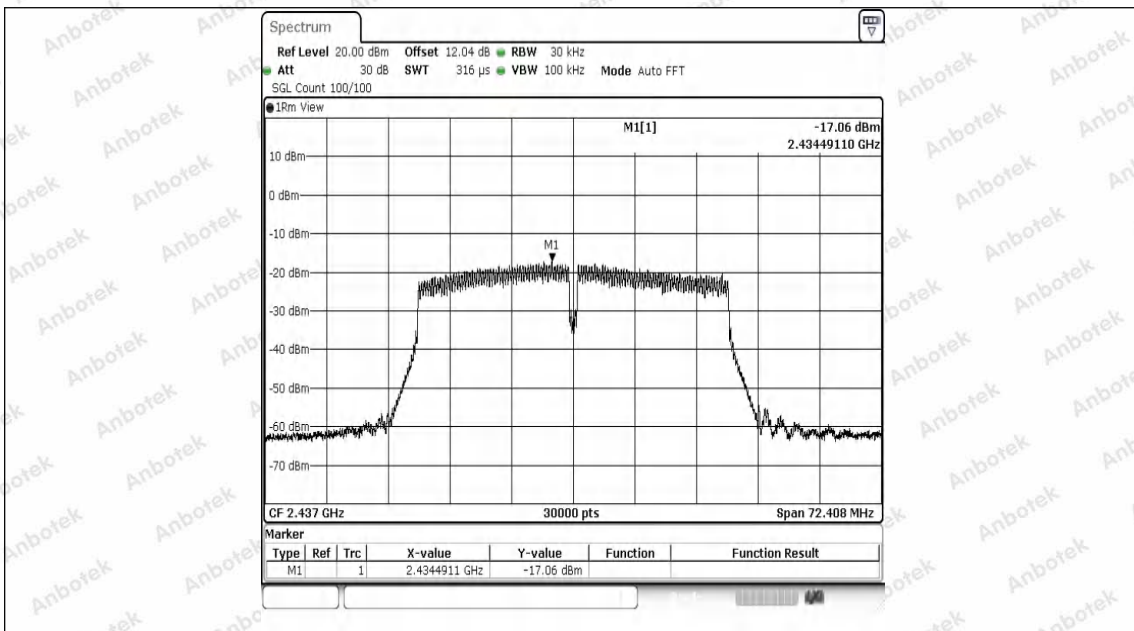


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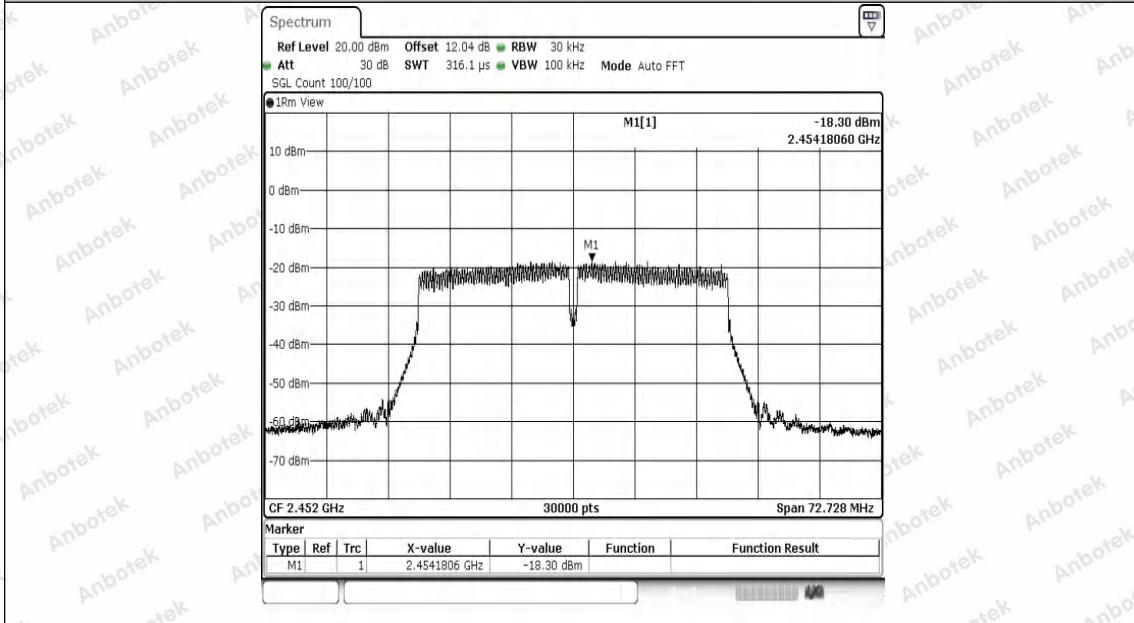


11N40SISO-Ant1-2422-PASS





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	-1.90	-50.15	≤-31.9	PASS
11B	Ant1	High	2462	-0.85	-49.75	≤-30.85	PASS
11G	Ant1	Low	2412	-5.94	-48.21	≤-35.94	PASS
11G	Ant1	High	2462	-5.56	-49.71	≤-35.56	PASS
11N20SISO	Ant1	Low	2412	-6.05	-50.21	≤-36.05	PASS
11N20SISO	Ant1	High	2462	-5.61	-48.12	≤-35.61	PASS
11N40SISO	Ant1	Low	2422	-8.83	-49.59	≤-38.83	PASS
11N40SISO	Ant1	High	2452	-9.40	-48.58	≤-39.4	PASS

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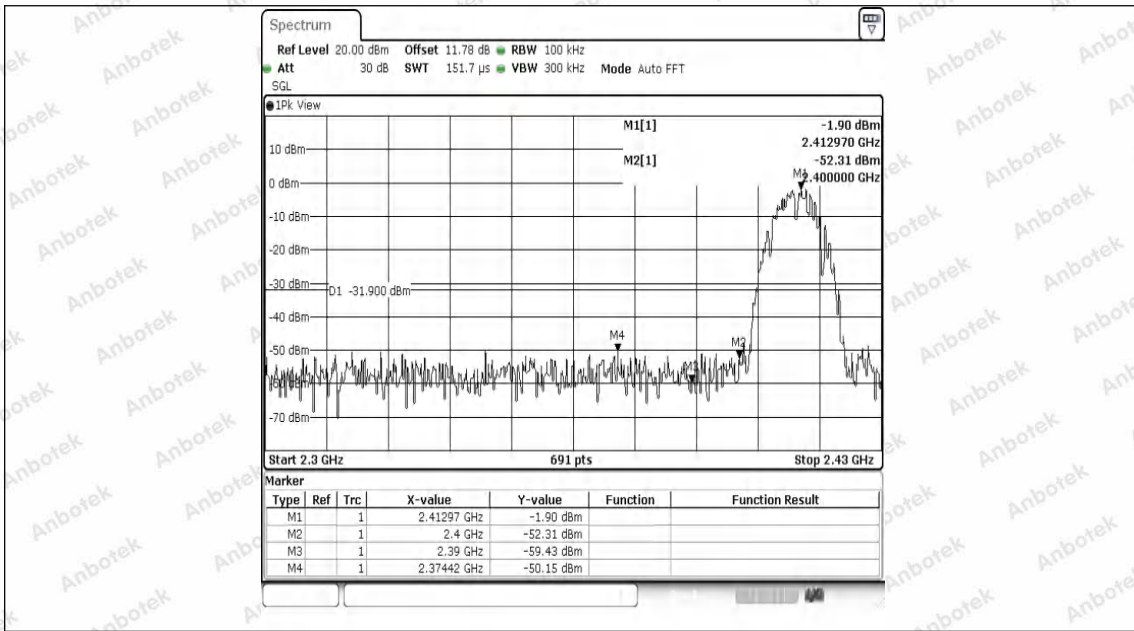
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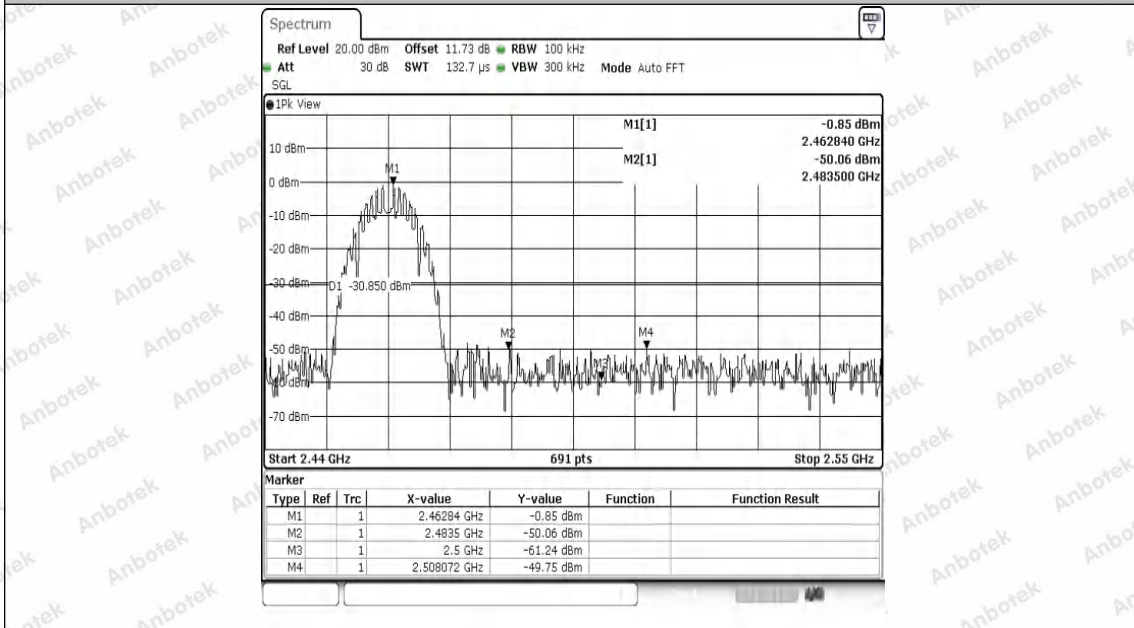
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## Test Graphs

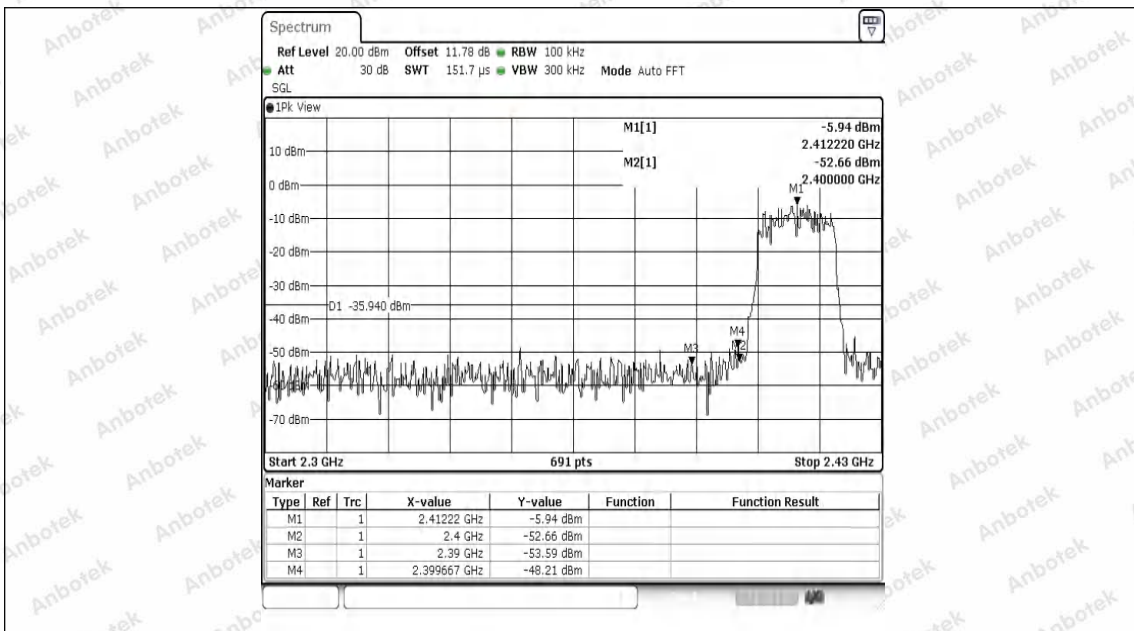


11B-Ant1-2412-PASS

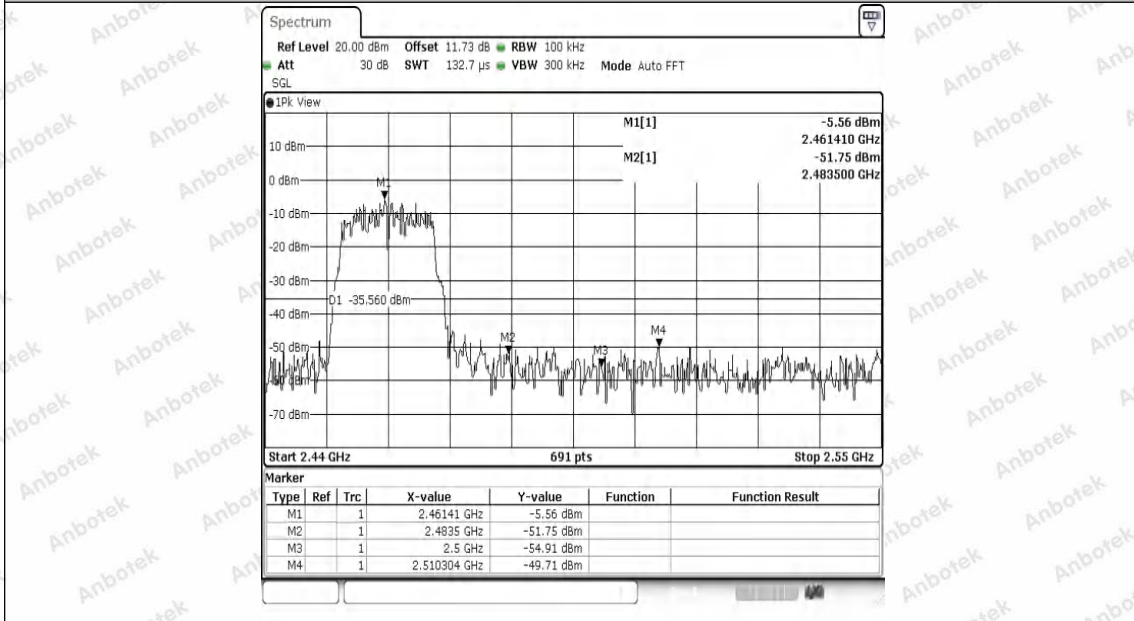


11B-Ant1-2462-PASS



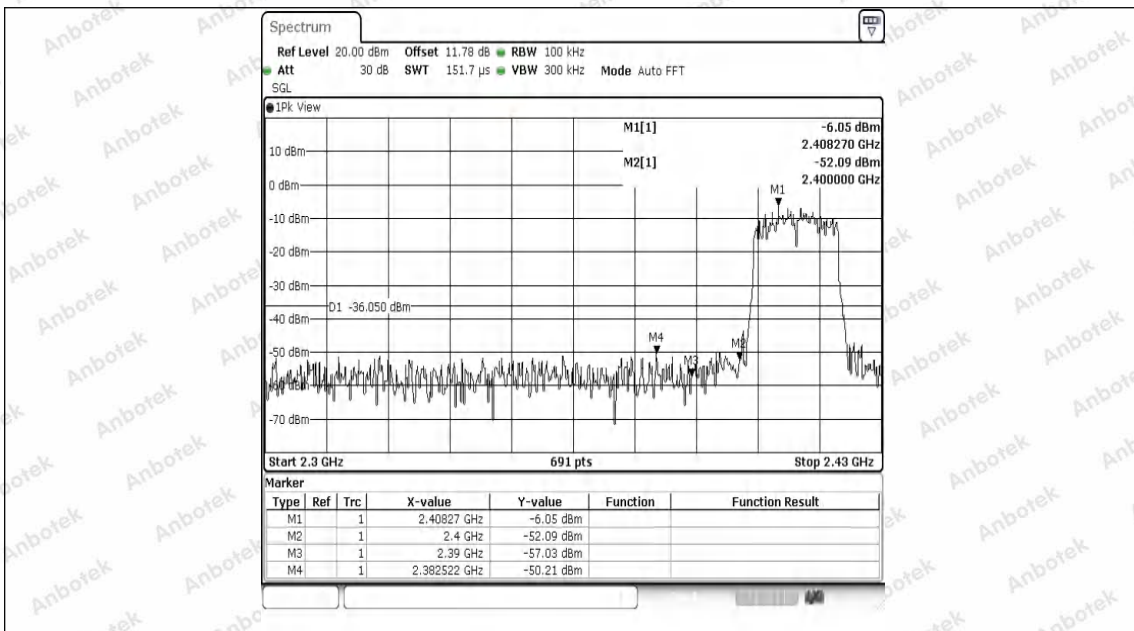


11G-Ant1-2412-PASS

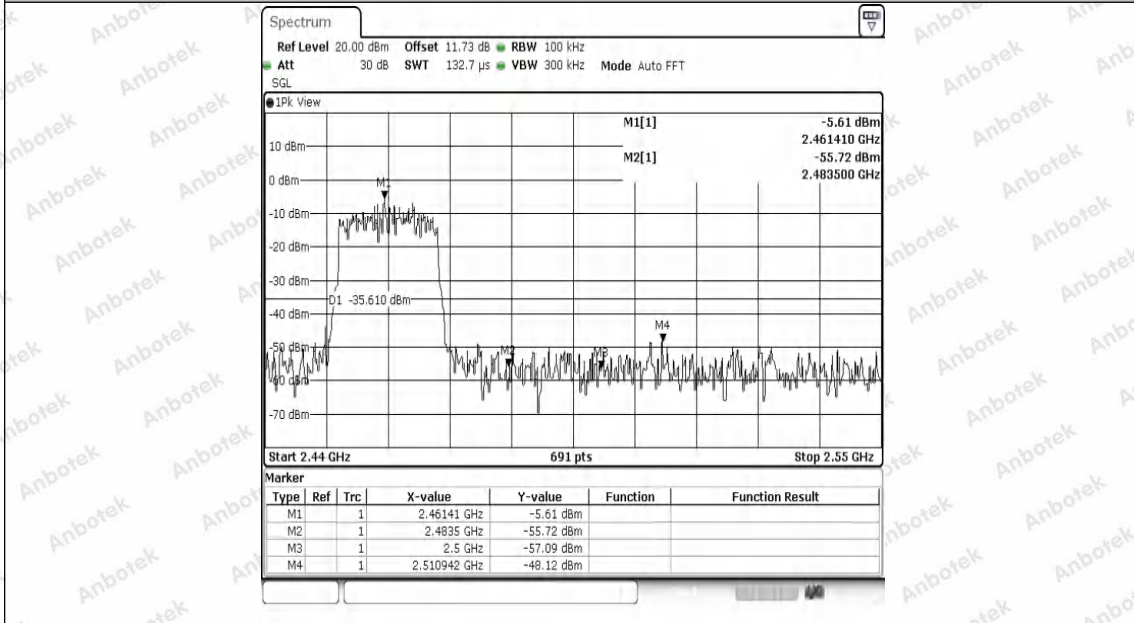


11G-Ant1-2462-PASS





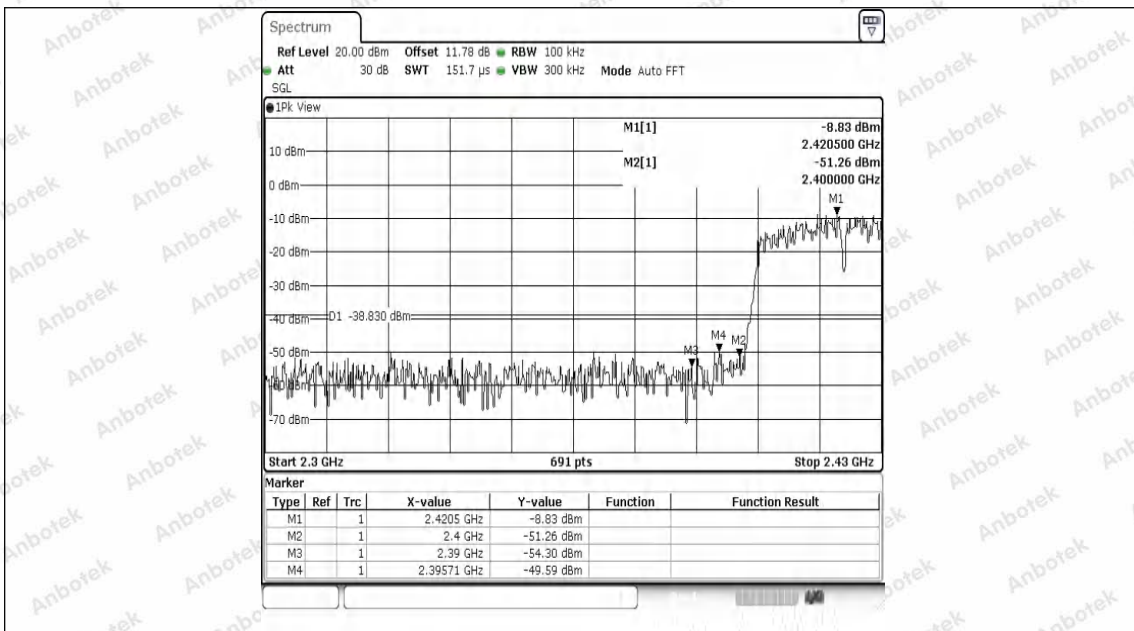
11N20SISO-Ant1-2412-PASS



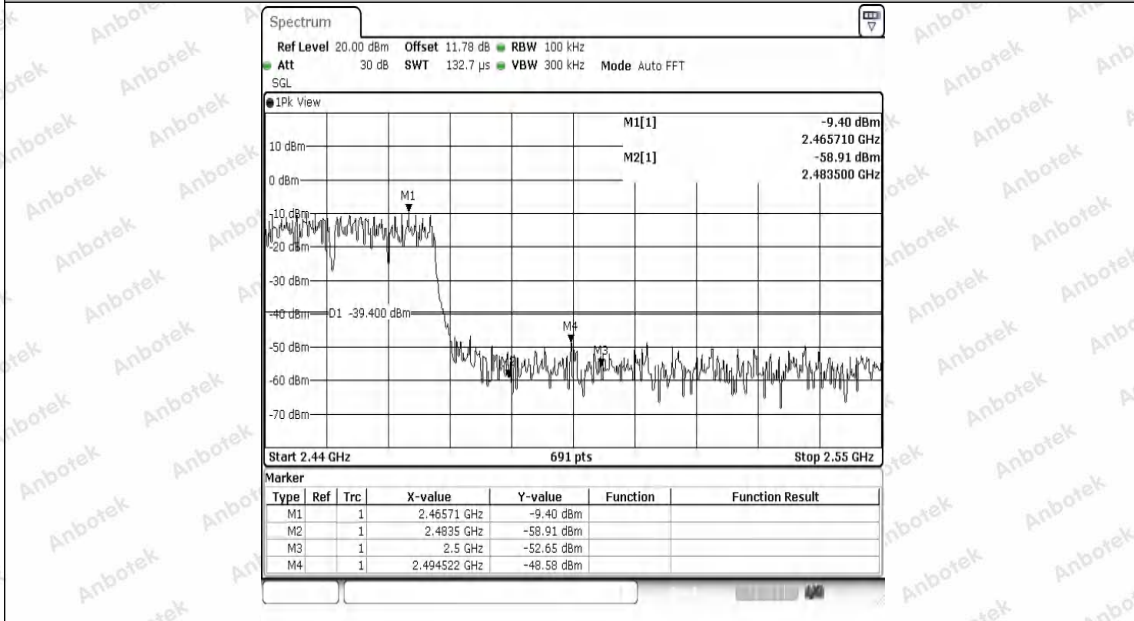
11N20SISO-Ant1-2462-PASS







11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



## Appendix G: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.55	5.55	---	PASS
11B	Ant1	2412	30~1000	5.55	-58.36	≤-24.45	PASS
11B	Ant1	2412	1000~26500	5.55	-41.47	≤-24.45	PASS
11B	Ant1	2437	0~Reference	6.51	6.51	---	PASS
11B	Ant1	2437	30~1000	6.51	-57.78	≤-23.49	PASS
11B	Ant1	2437	1000~26500	6.51	-43.34	≤-23.49	PASS
11B	Ant1	2462	0~Reference	4.72	4.72	---	PASS
11B	Ant1	2462	30~1000	4.72	-57.53	≤-25.28	PASS
11B	Ant1	2462	1000~26500	4.72	-42.51	≤-25.28	PASS
11G	Ant1	2412	0~Reference	2.93	2.93	---	PASS
11G	Ant1	2412	30~1000	2.93	-57.39	≤-27.07	PASS
11G	Ant1	2412	1000~26500	2.93	-43.85	≤-27.07	PASS
11G	Ant1	2437	0~Reference	2.79	2.79	---	PASS
11G	Ant1	2437	30~1000	2.79	-58.55	≤-27.21	PASS
11G	Ant1	2437	1000~26500	2.79	-44.37	≤-27.21	PASS
11G	Ant1	2462	0~Reference	-0.67	-0.67	---	PASS
11G	Ant1	2462	30~1000	-0.67	-58.56	≤-30.67	PASS
11G	Ant1	2462	1000~26500	-0.67	-44.09	≤-30.67	PASS
11N20SISO	Ant1	2412	0~Reference	2.03	2.03	---	PASS
11N20SISO	Ant1	2412	30~1000	2.03	-57.56	≤-27.97	PASS
11N20SISO	Ant1	2412	1000~26500	2.03	-44.18	≤-27.97	PASS
11N20SISO	Ant1	2437	0~Reference	2.07	2.07	---	PASS
11N20SISO	Ant1	2437	30~1000	2.07	-58.75	≤-27.93	PASS
11N20SISO	Ant1	2437	1000~26500	2.07	-44.12	≤-27.93	PASS
11N20SISO	Ant1	2462	0~Reference	-1.17	-1.17	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.17	-58.43	≤-31.17	PASS
11N20SISO	Ant1	2462	1000~26500	-1.17	-43.26	≤-31.17	PASS
11N40SISO	Ant1	2422	0~Reference	-0.98	-0.98	---	PASS
11N40SISO	Ant1	2422	30~1000	-0.98	-58.11	≤-30.98	PASS
11N40SISO	Ant1	2422	1000~26500	-0.98	-43.9	≤-30.98	PASS
11N40SISO	Ant1	2437	0~Reference	-0.23	-0.23	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.23	-58.1	≤-30.23	PASS
11N40SISO	Ant1	2437	1000~26500	-0.23	-43.77	≤-30.23	PASS
11N40SISO	Ant1	2452	0~Reference	-2.63	-2.63	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.63	-58.18	≤-32.63	PASS
11N40SISO	Ant1	2452	1000~26500	-2.63	-43.88	≤-32.63	PASS

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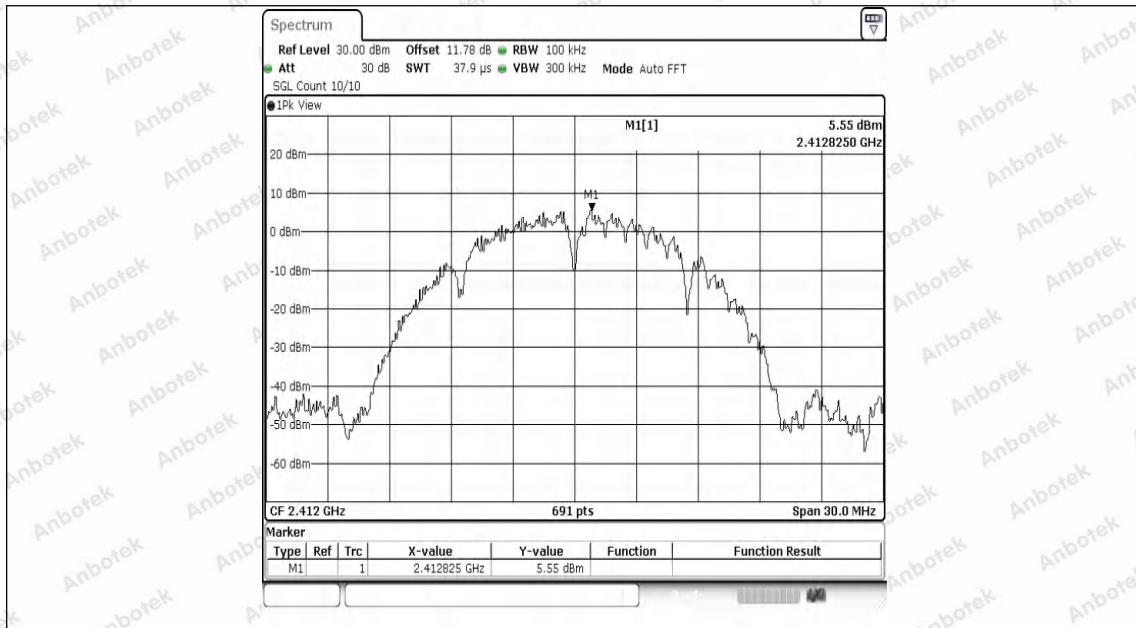
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



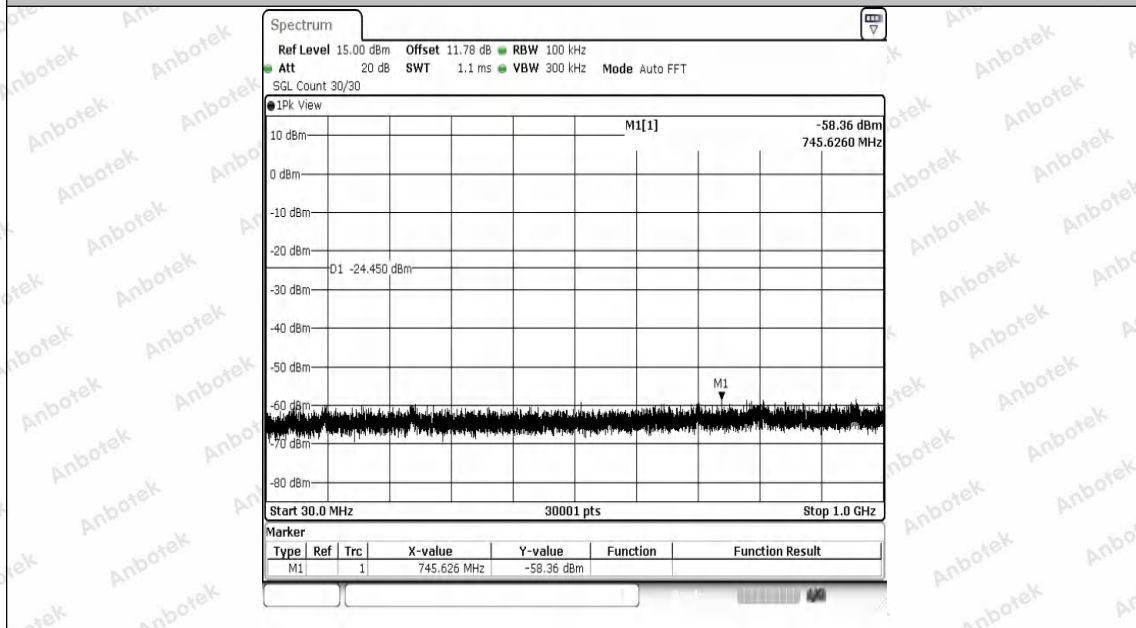
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**Test Graphs**

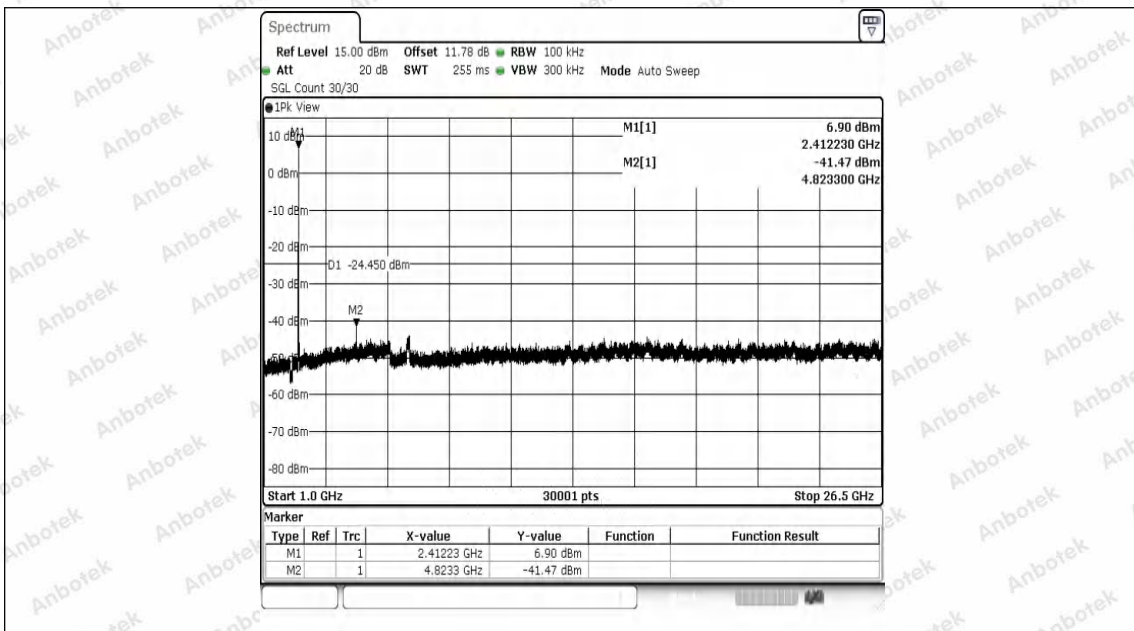


11B-Ant1-2412-0~Reference-PASS

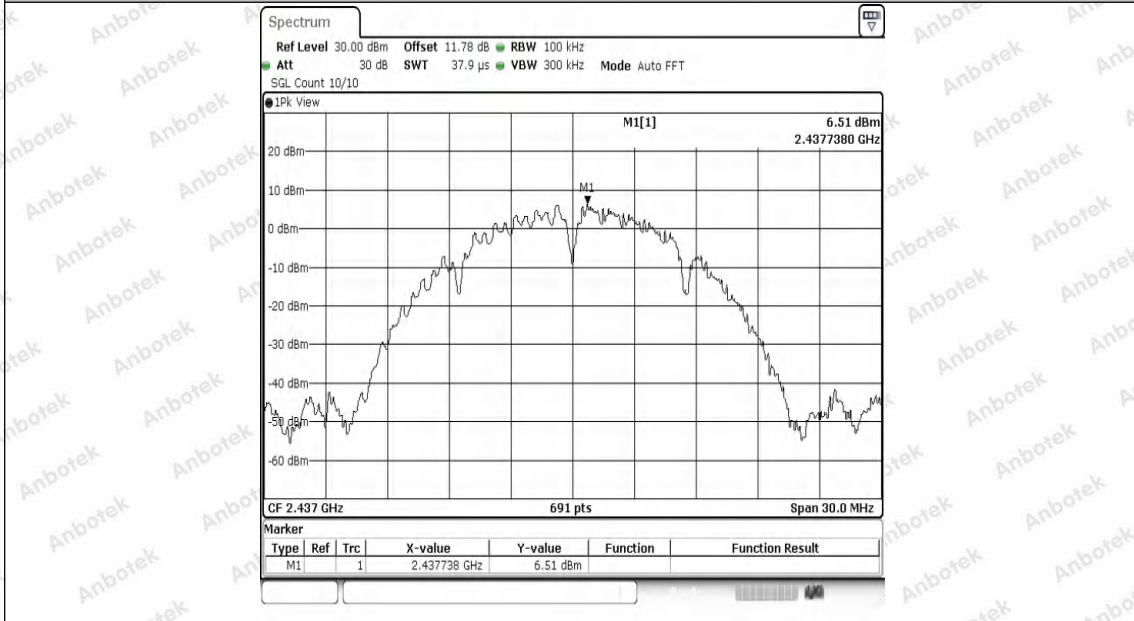


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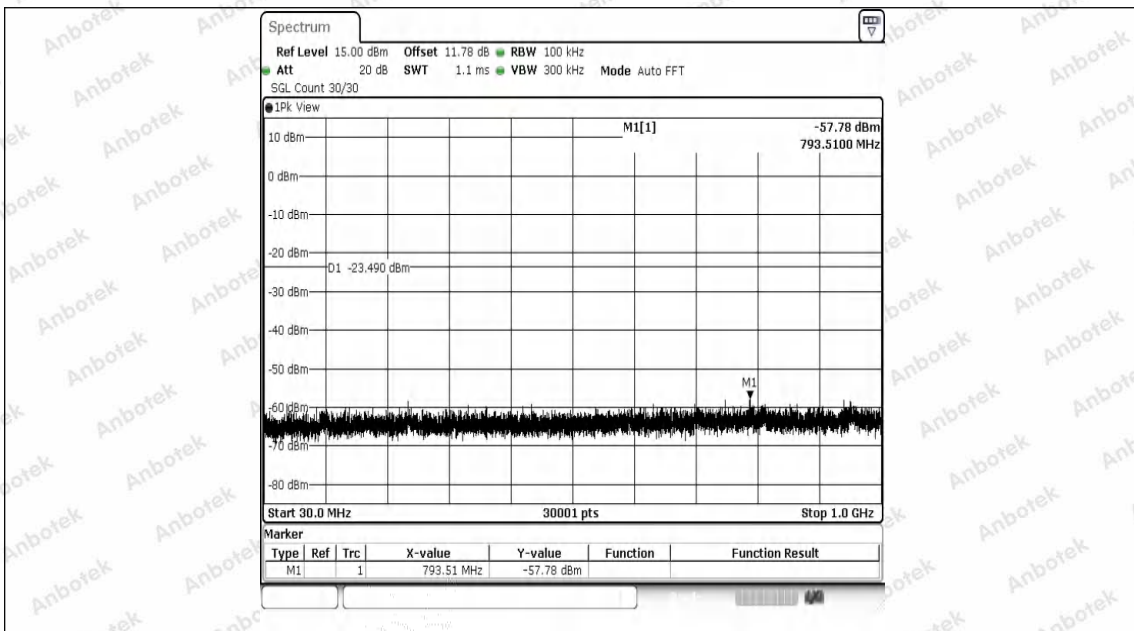


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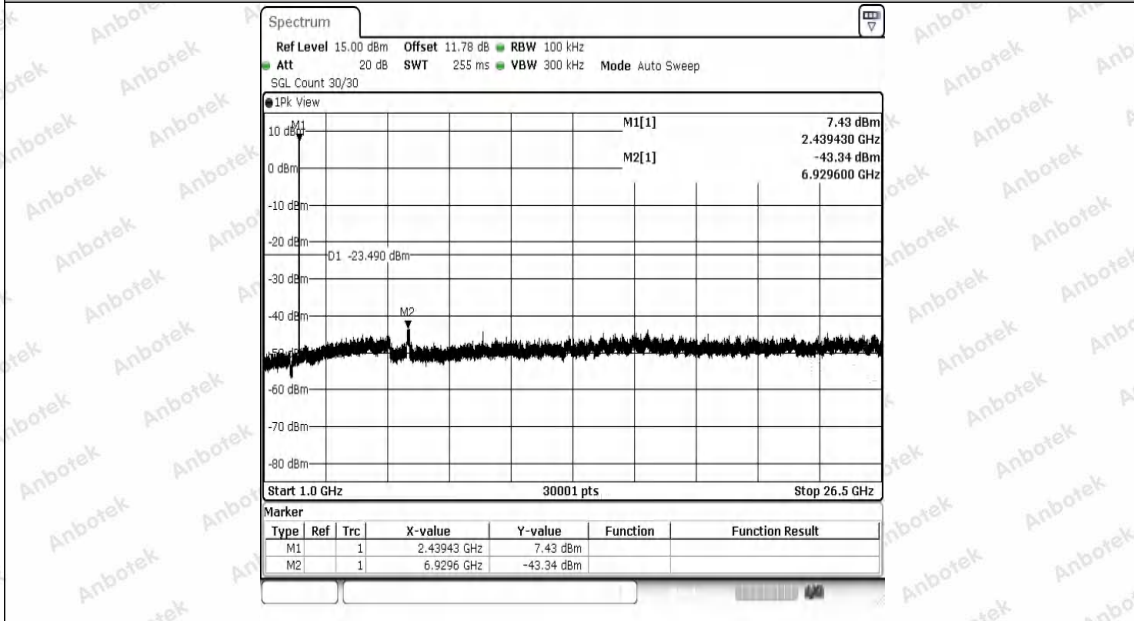


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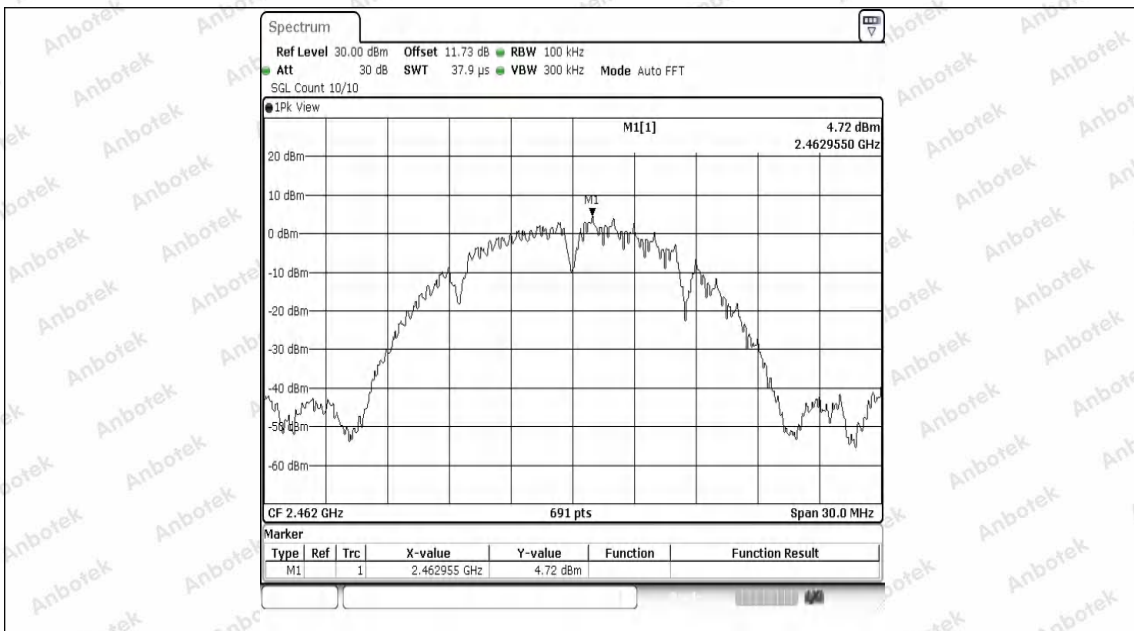


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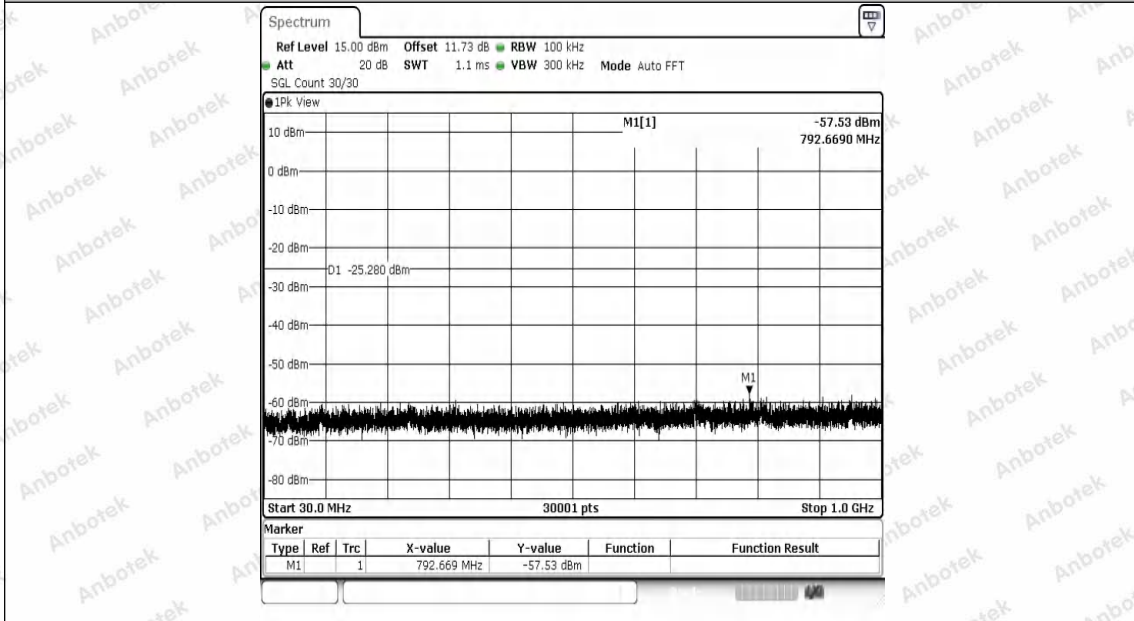


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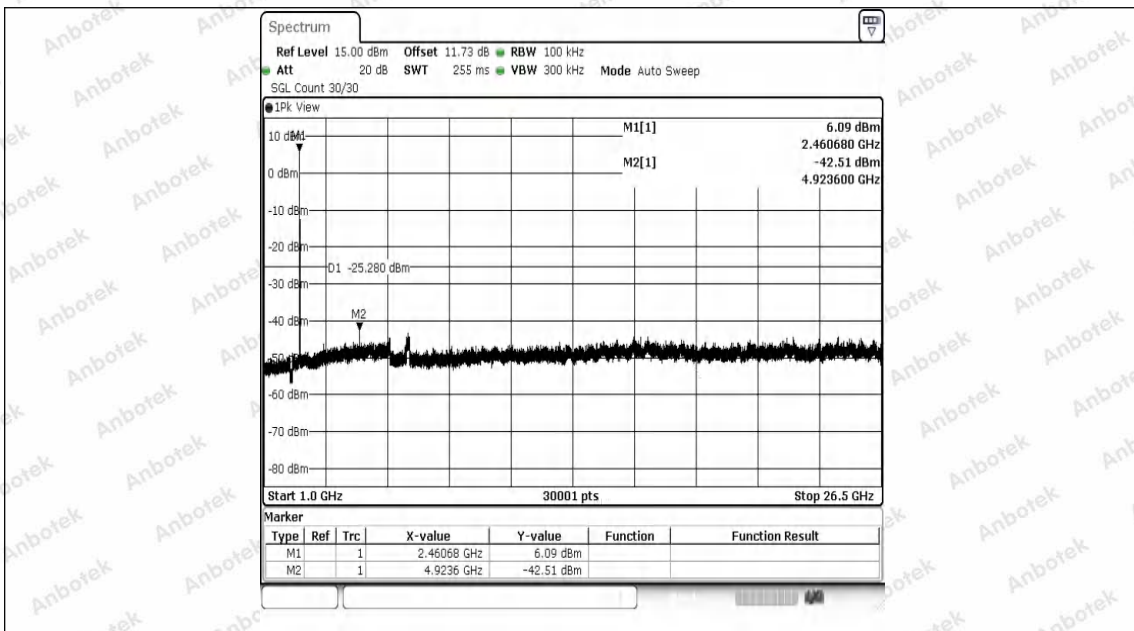


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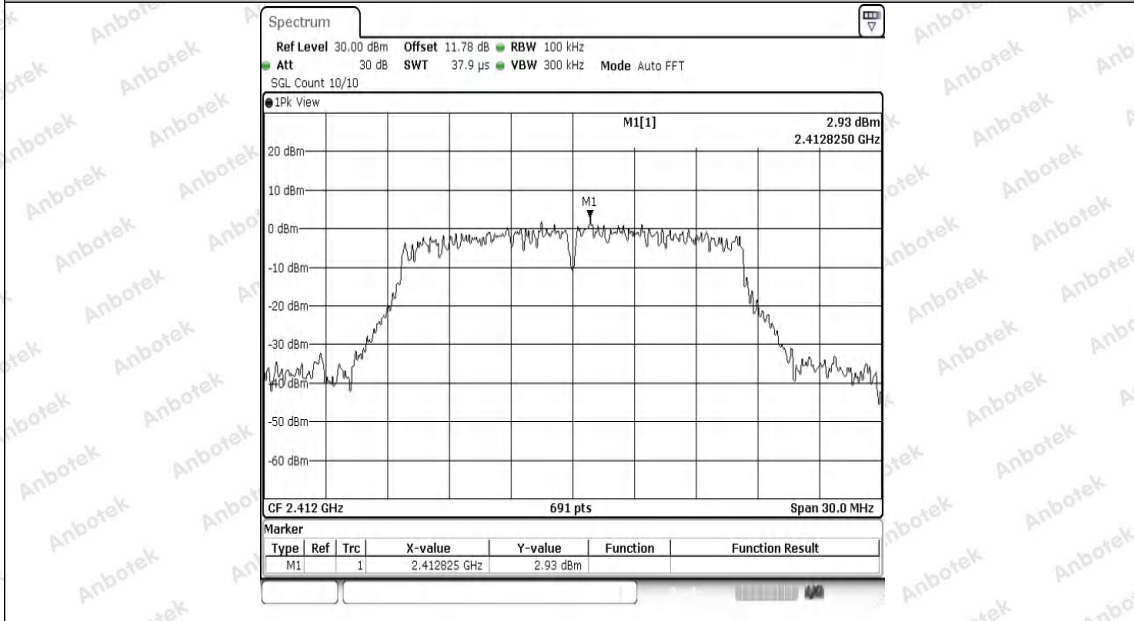


11B-Ant1-2462-30~1000-PASS



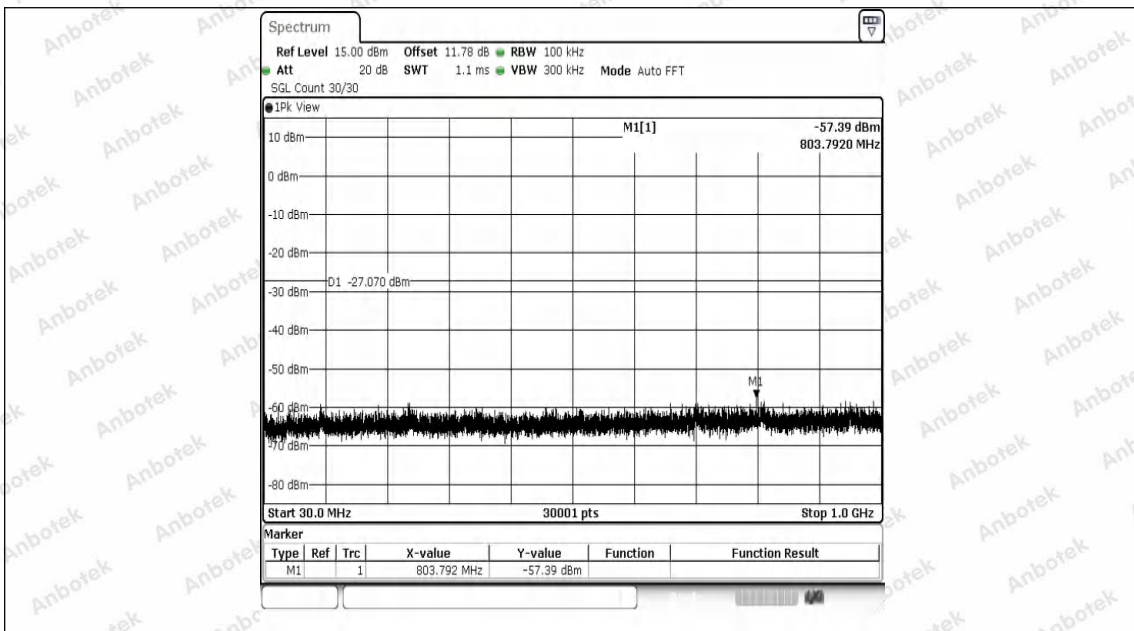


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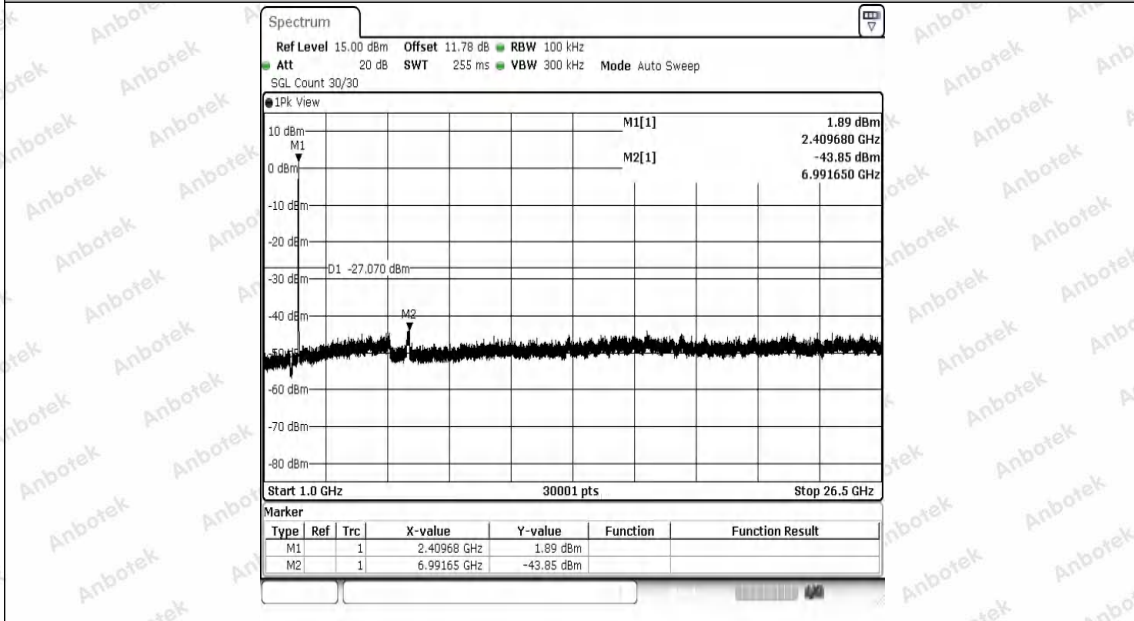


11G-Ant1-2412-0~Reference-PASS





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



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

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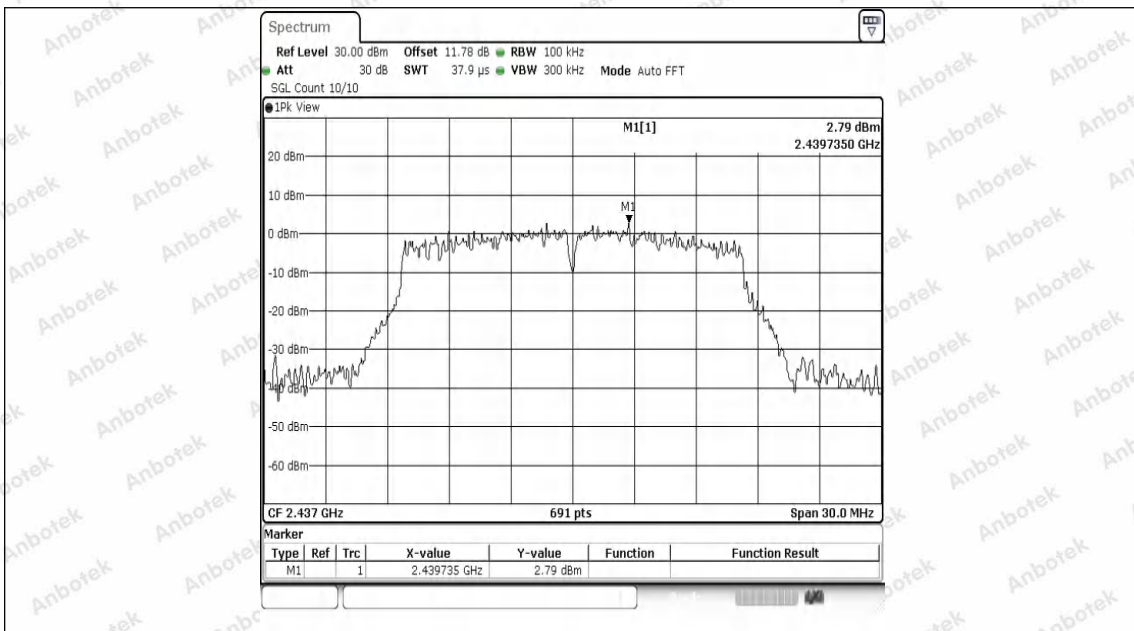
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



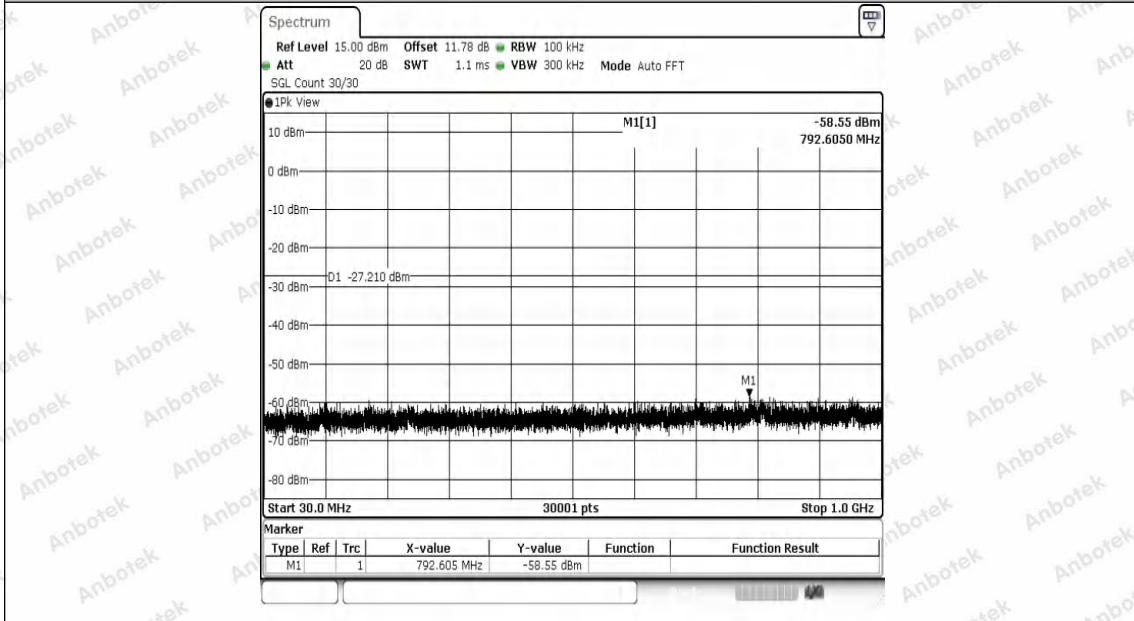
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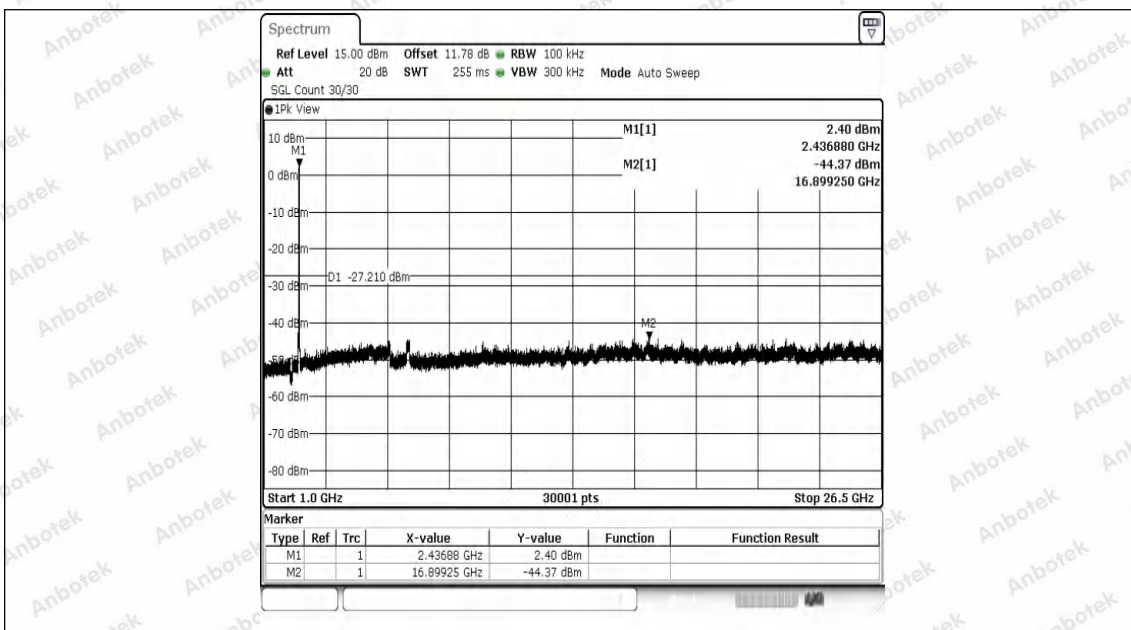


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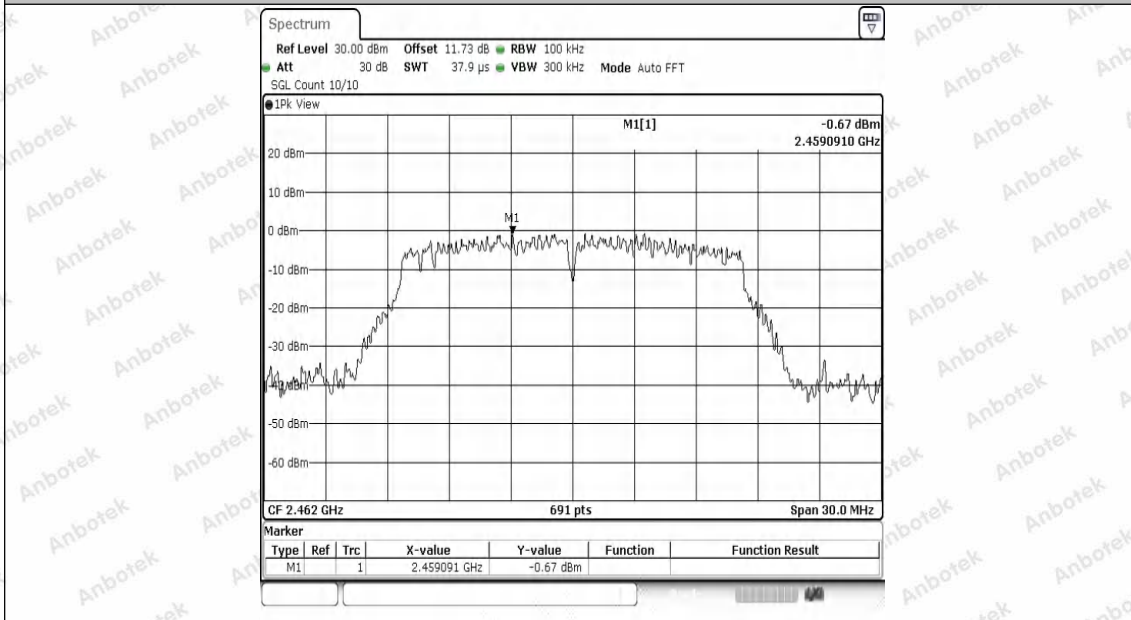


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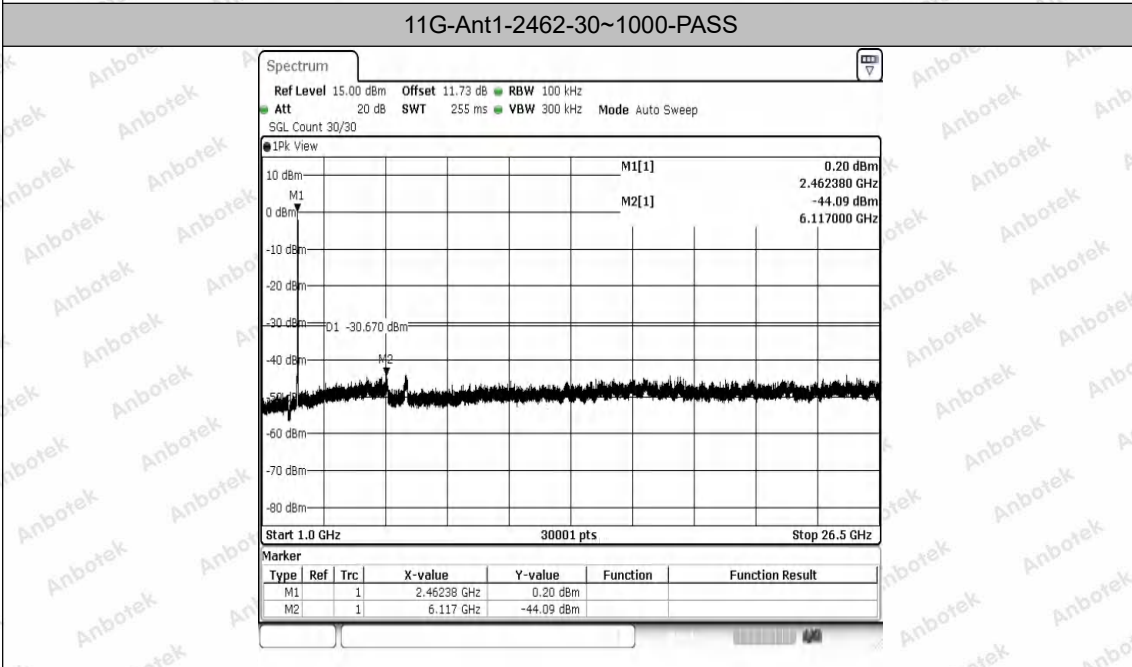
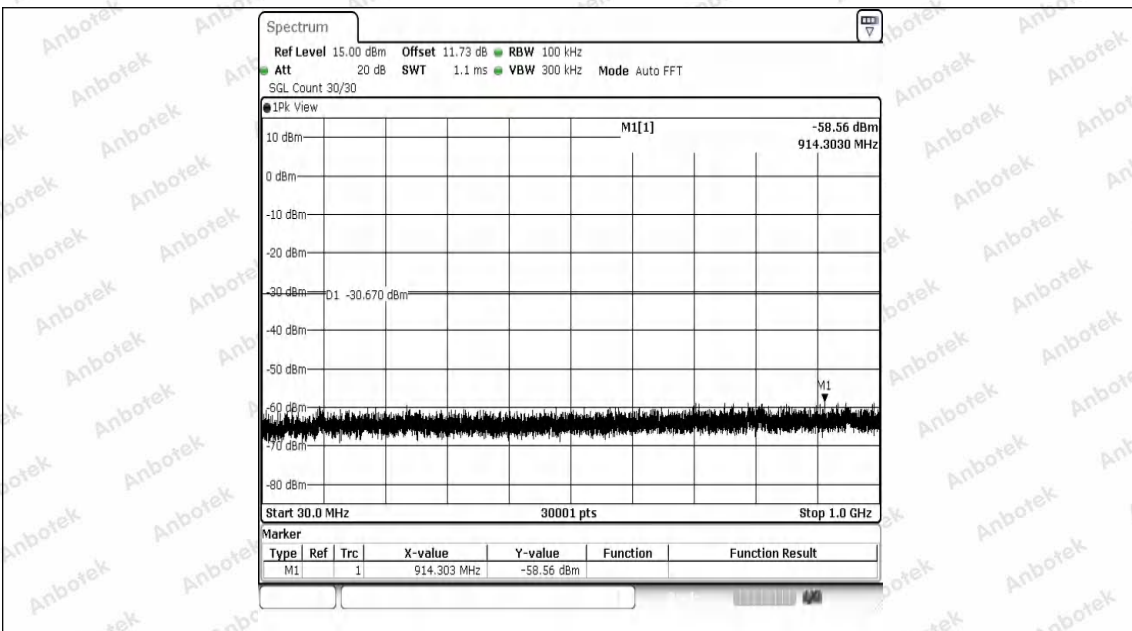


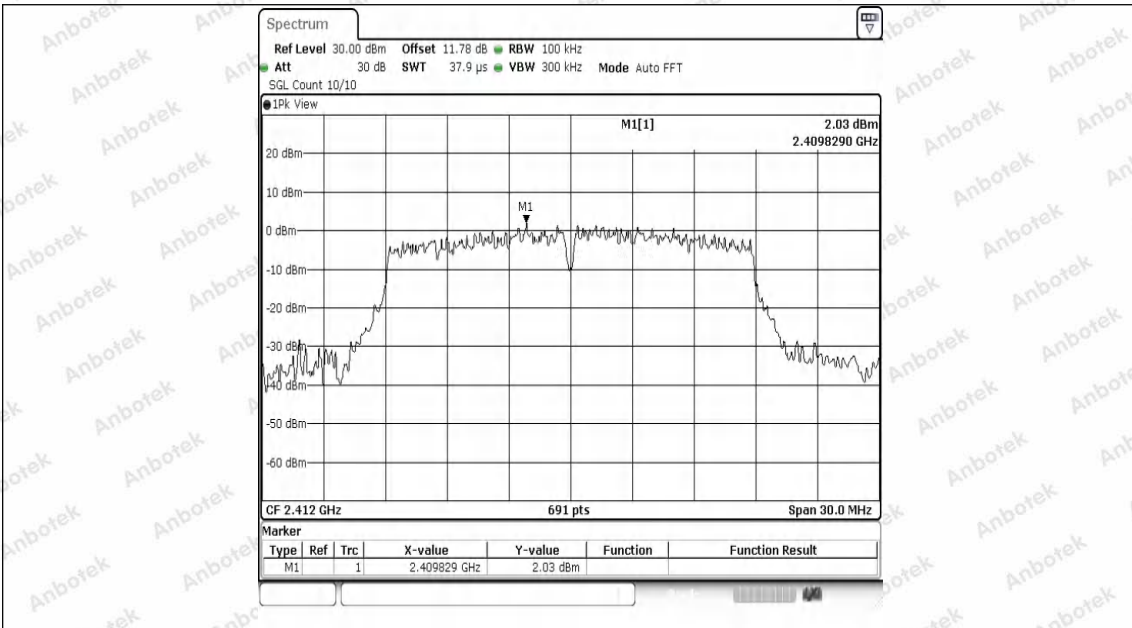
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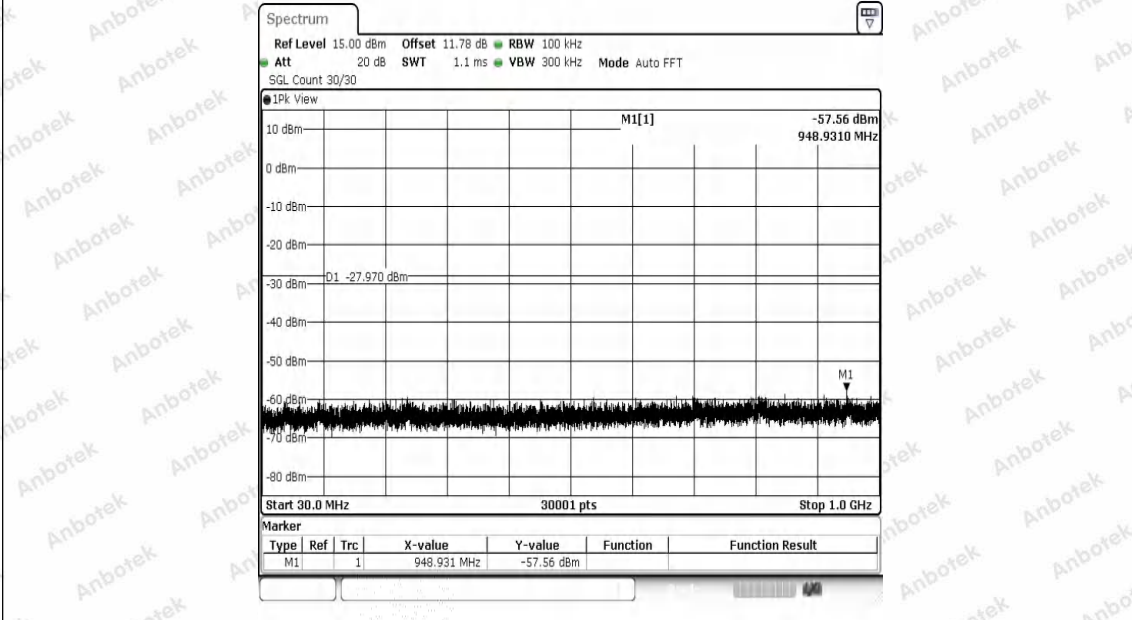
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11N20SISO-Ant1-2412-0~Reference-PASS



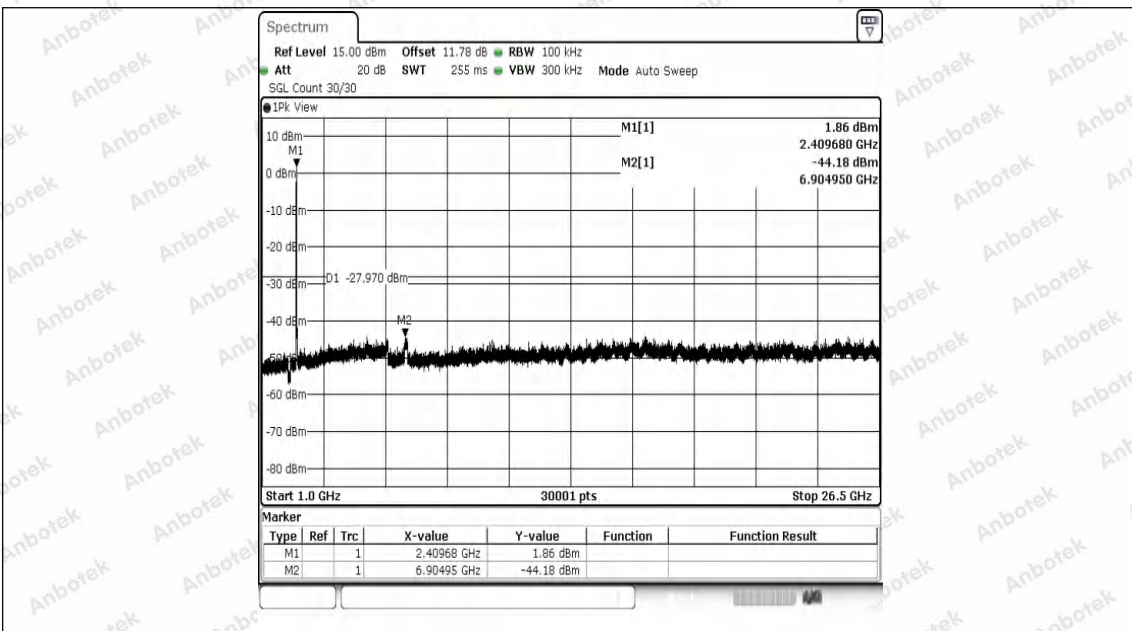
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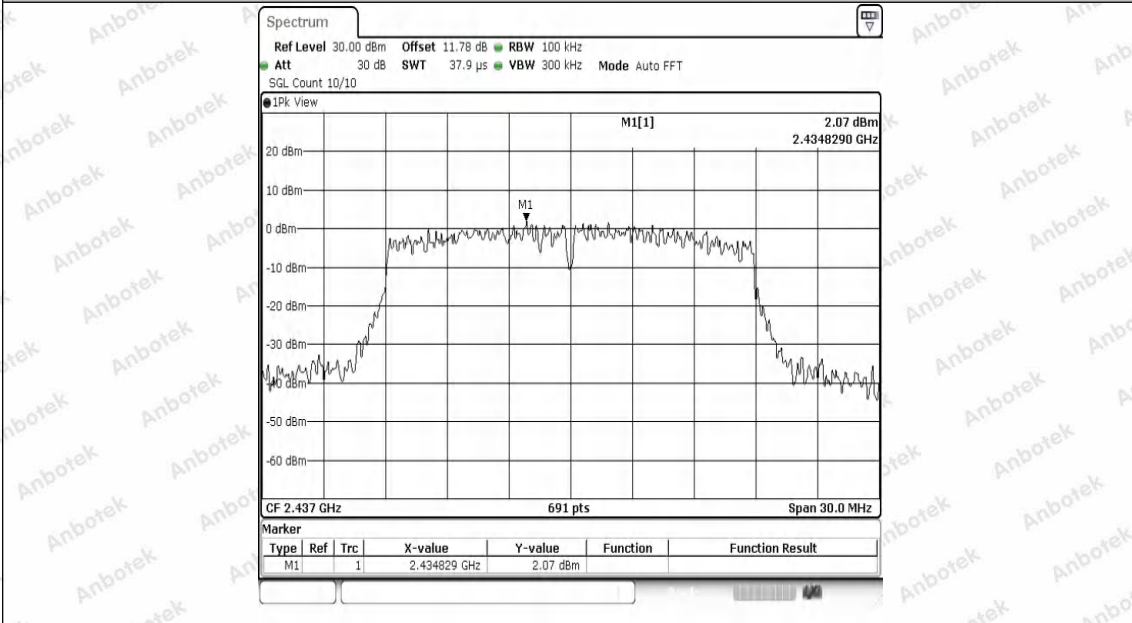
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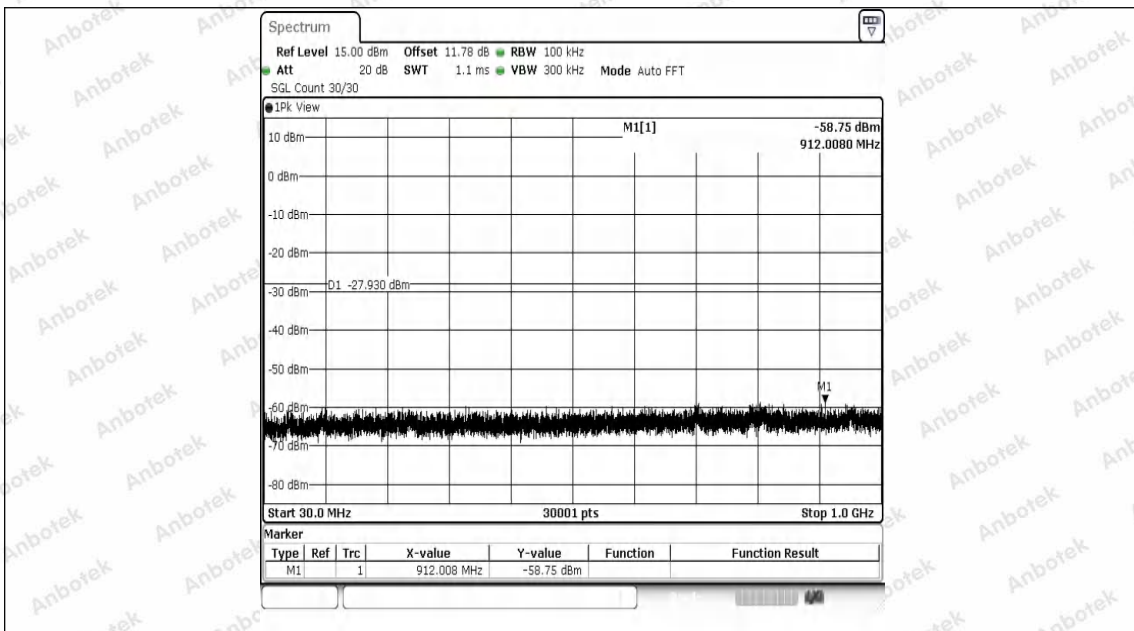


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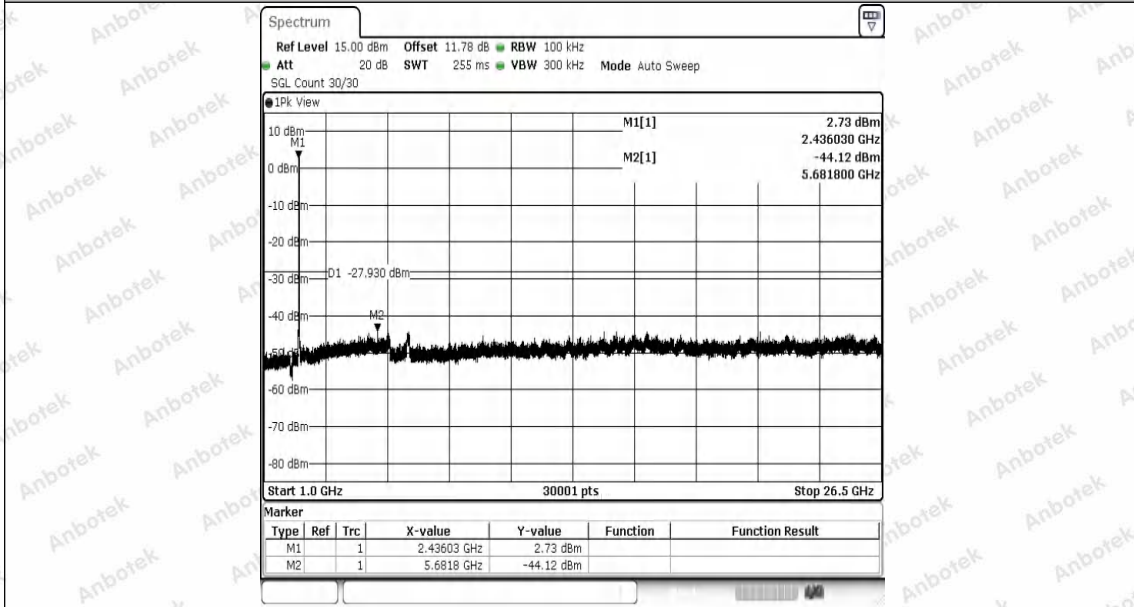


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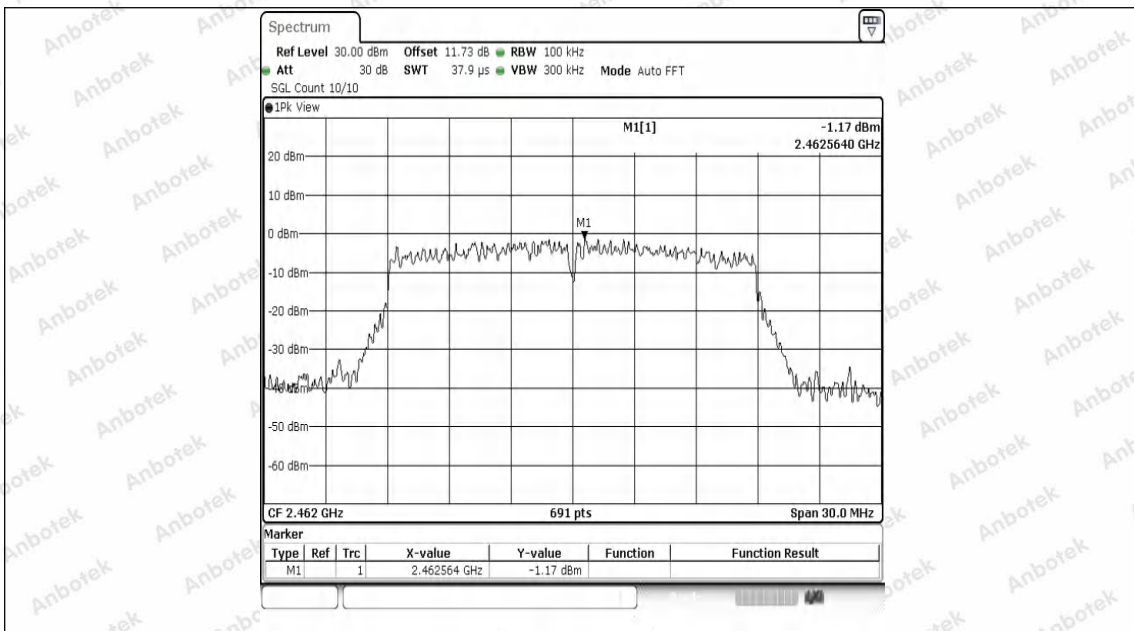


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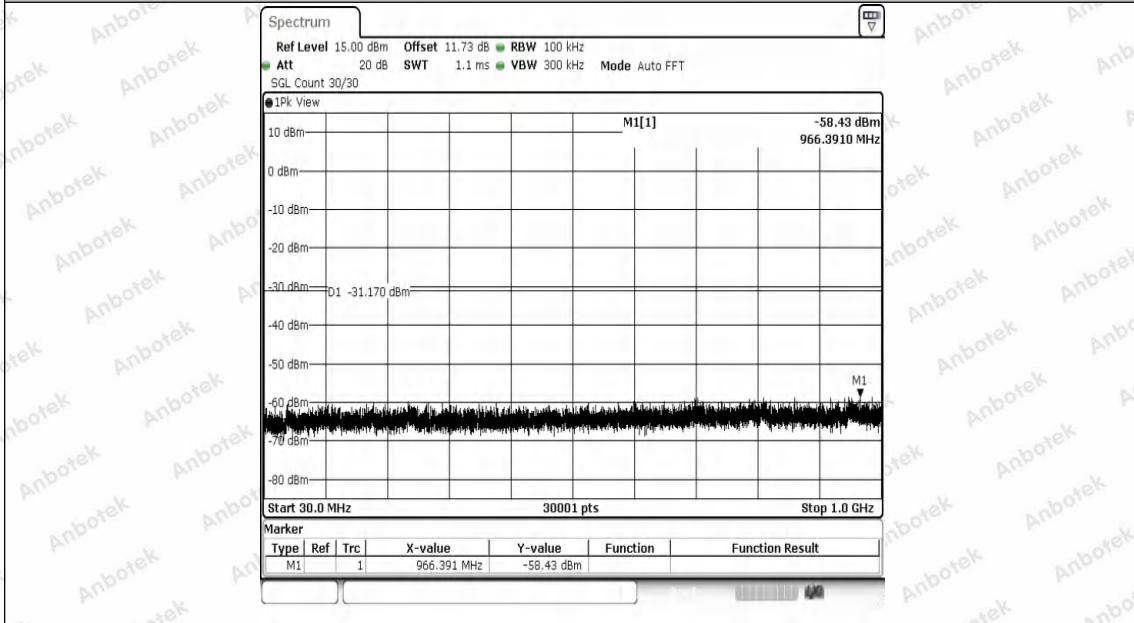


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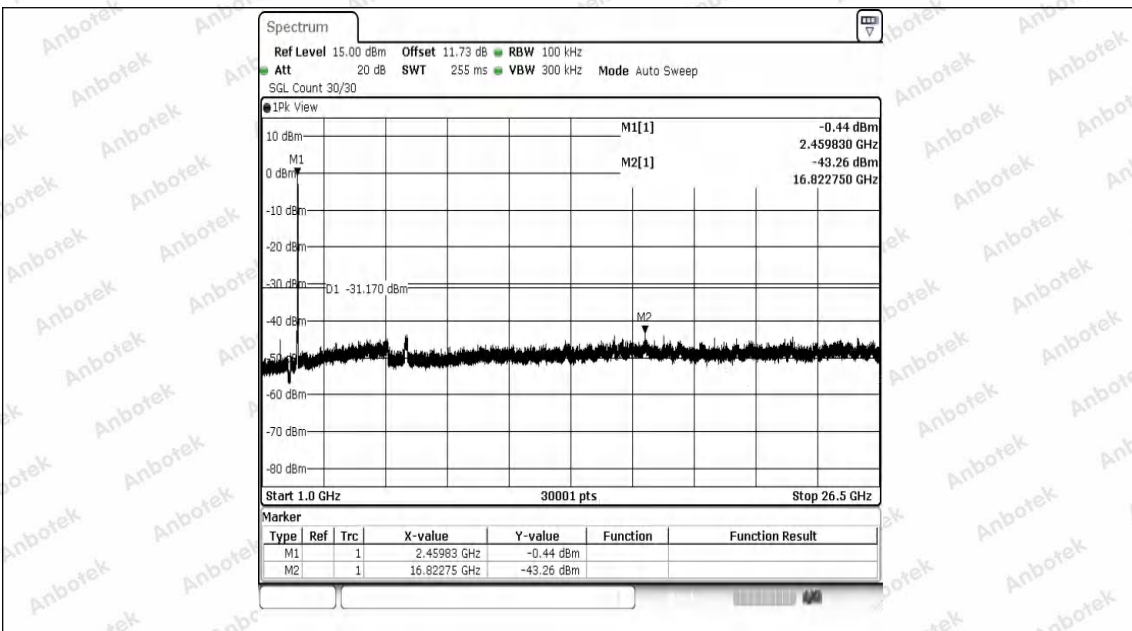


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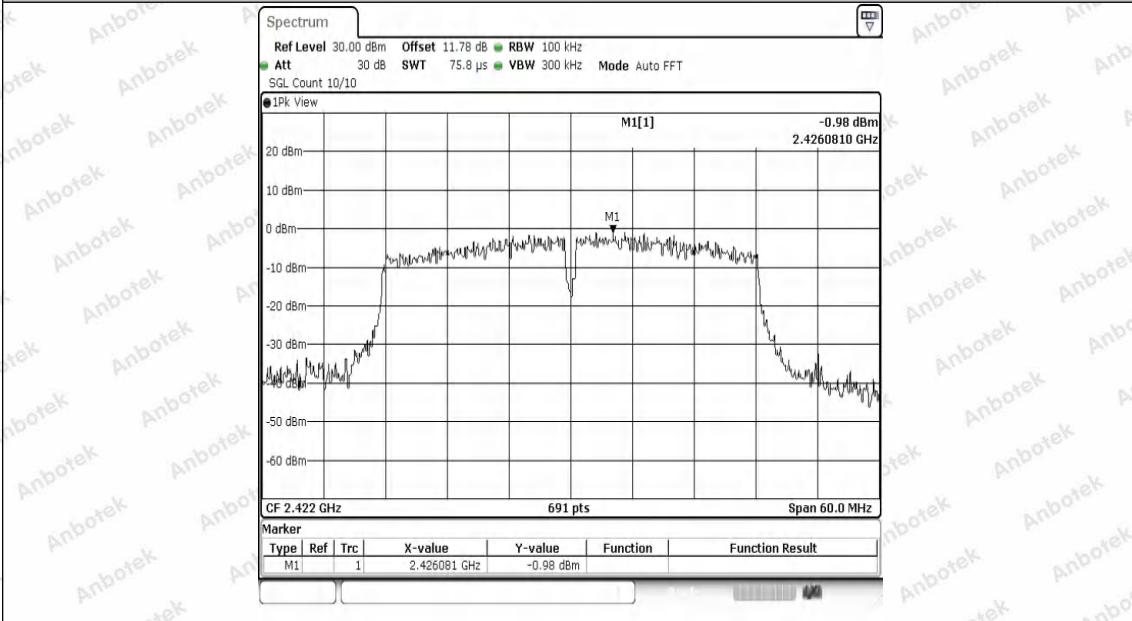


11N20SISO-Ant1-2462-30~1000-PASS





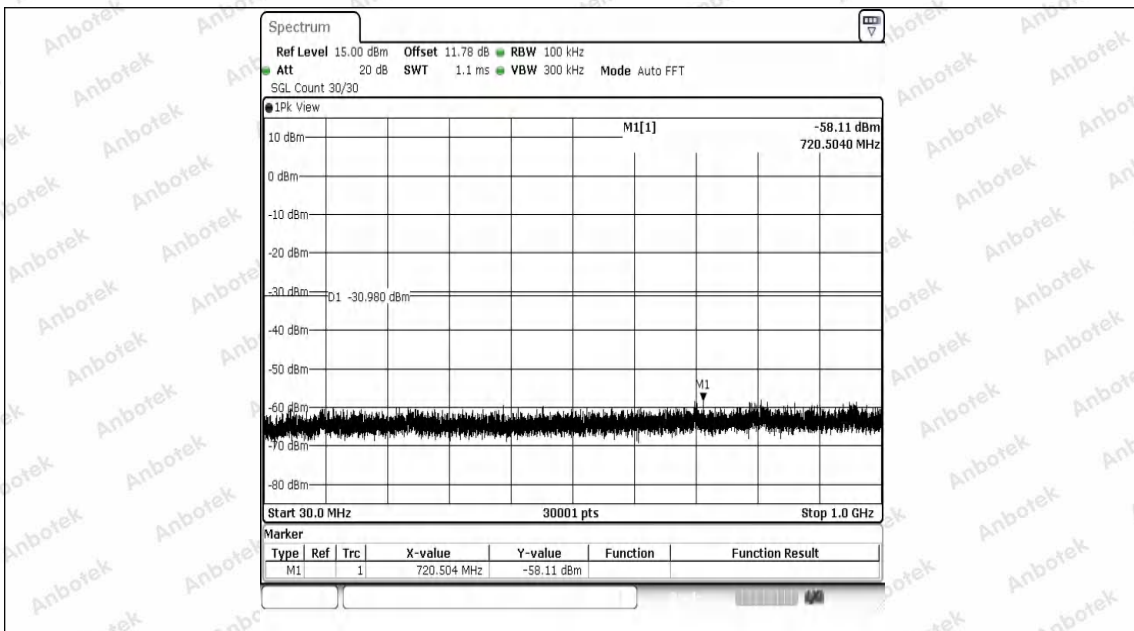
11N20SISO-Ant1-2462-1000~26500-PASS



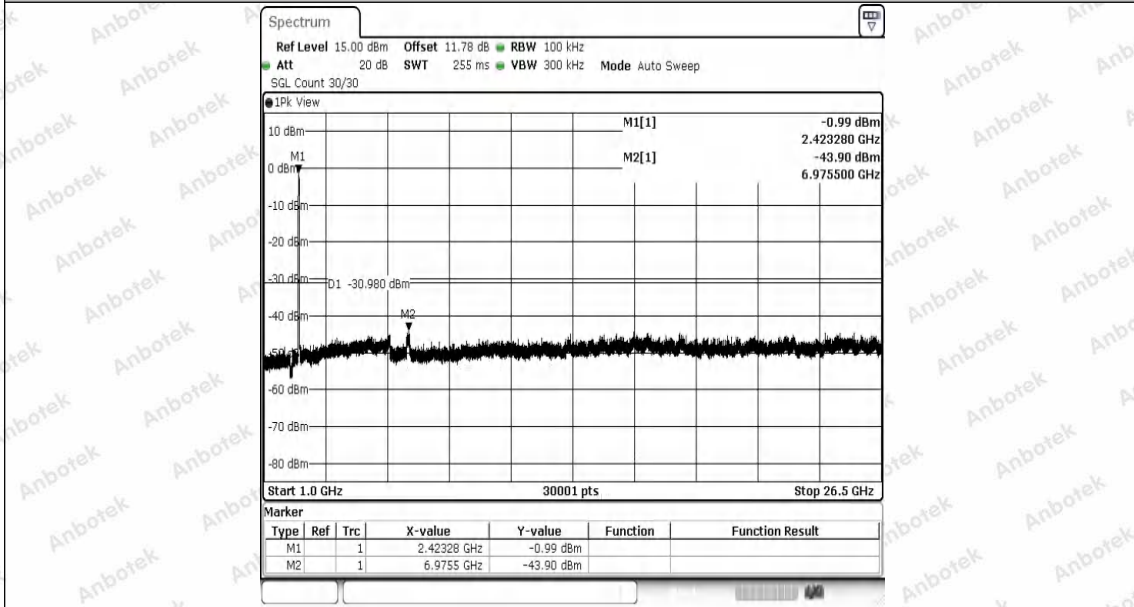
11N40SISO-Ant1-2422-0~Reference-PASS





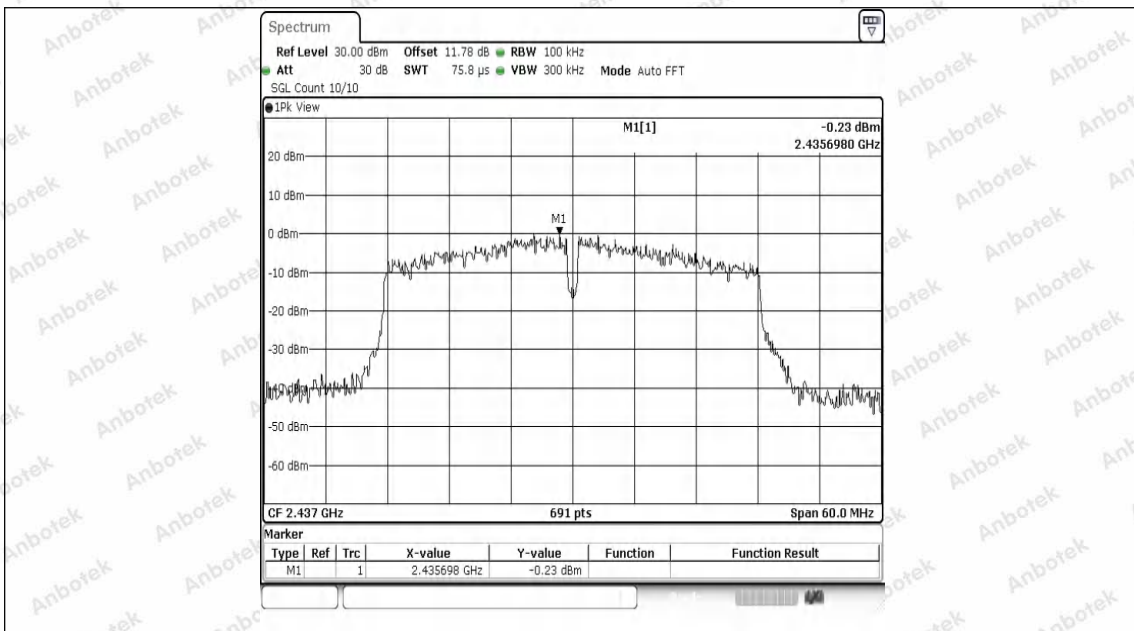


11N40SISO-Ant1-2422-30~1000-PASS

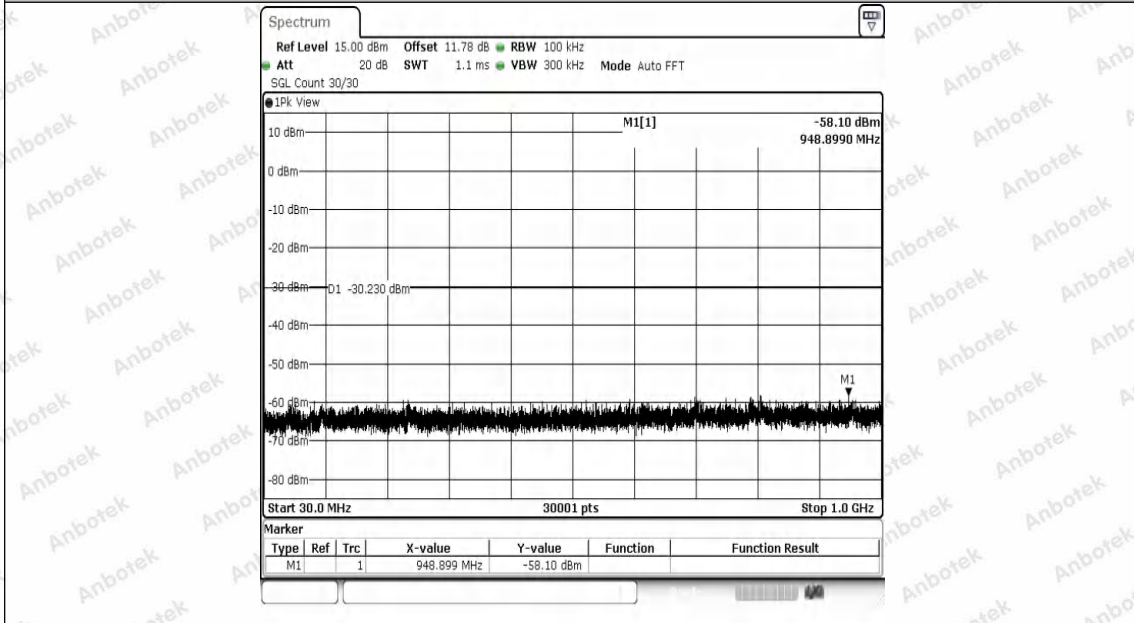


11N40SISO-Ant1-2422-1000~26500-PASS



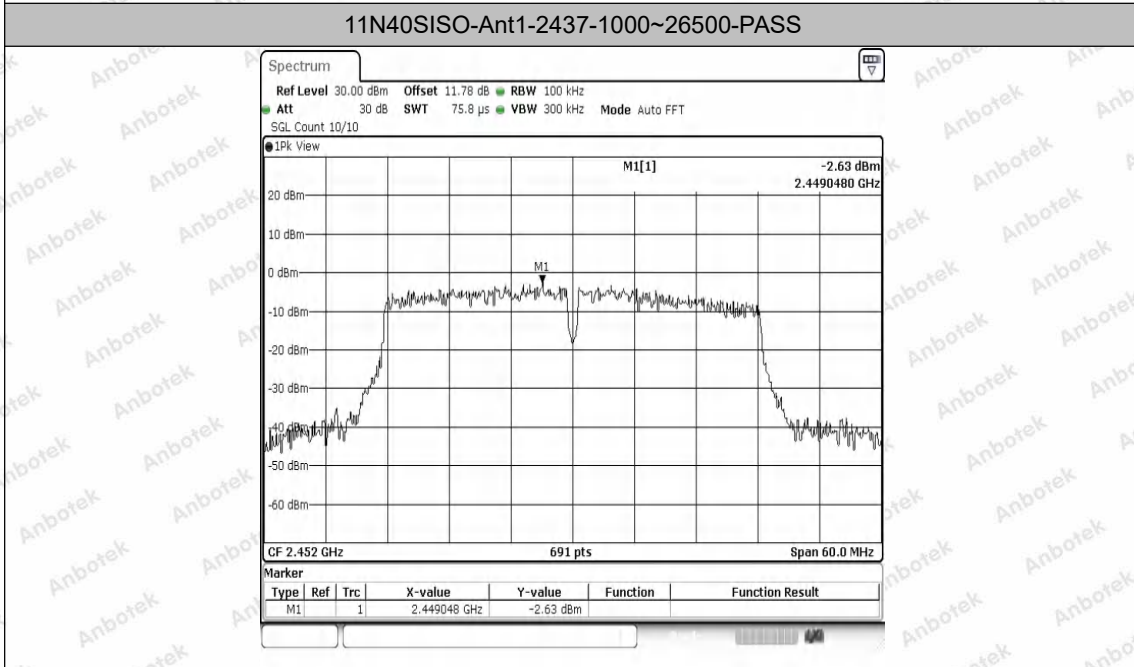
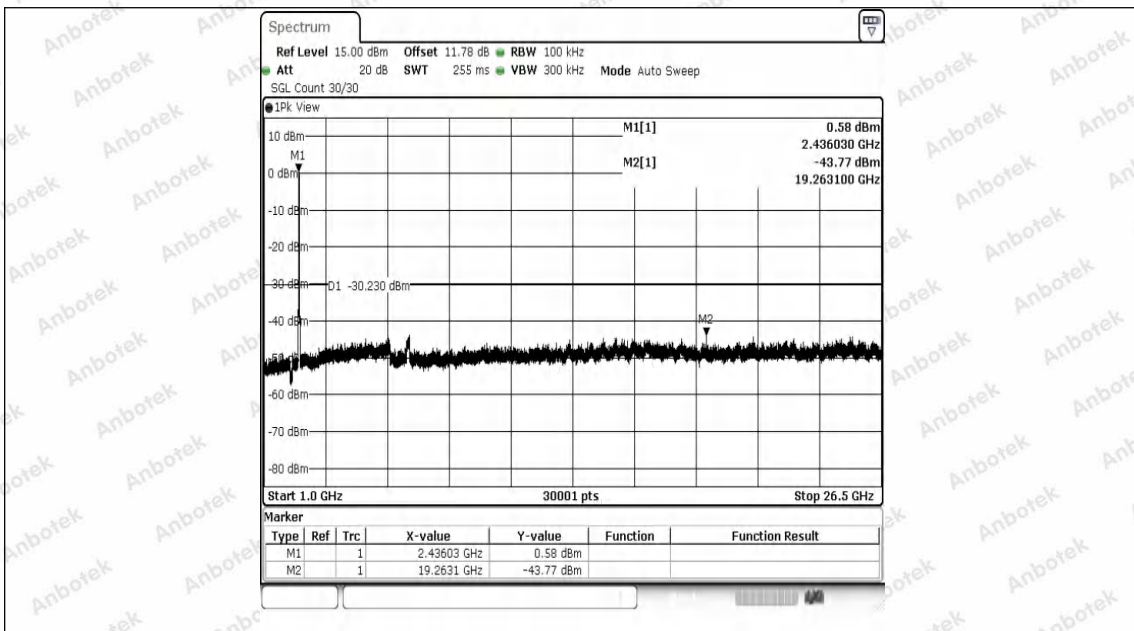


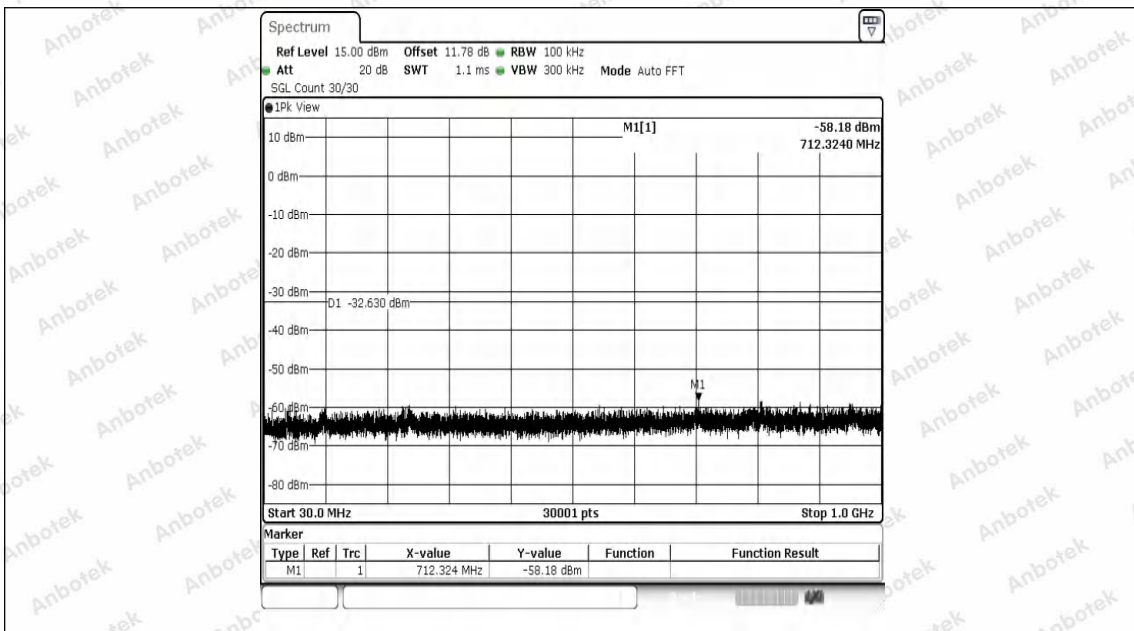
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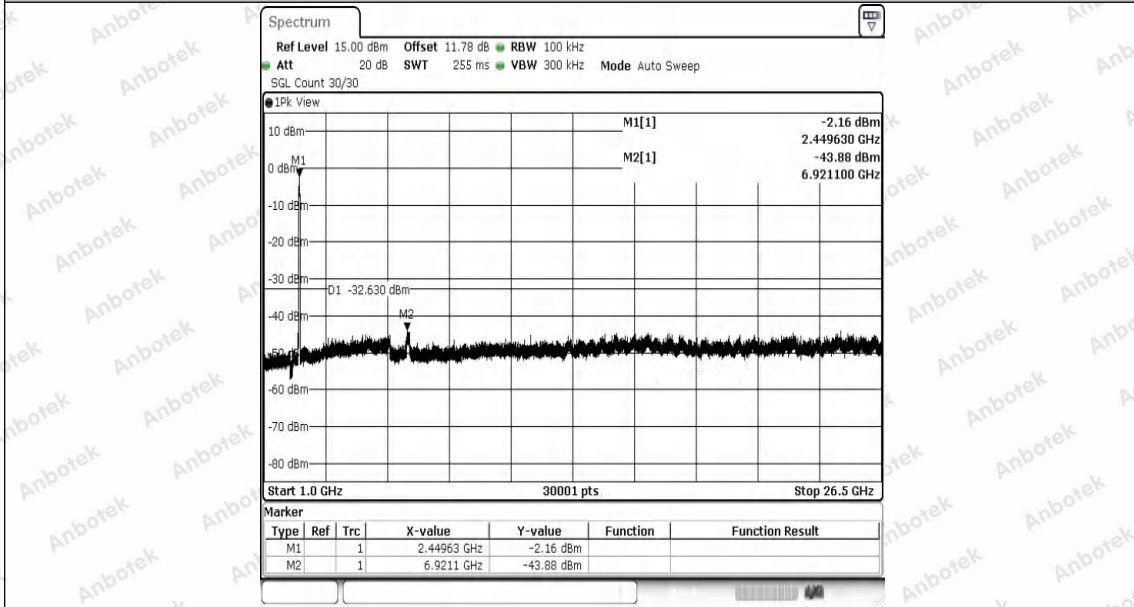
11N40SISO-Ant1-2437-30~1000-PASS







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



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



## Appendix H: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
11B	Ant1	2437	8.39	8.42	99.64	0.02
11B	Ant1	2462	8.40	8.44	99.53	0.02
11G	Ant1	2412	1.40	1.43	97.90	0.09
11G	Ant1	2437	1.39	1.43	97.20	0.12
11G	Ant1	2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
11N20SISO	Ant1	2437	1.30	1.34	97.01	0.13
11N20SISO	Ant1	2462	1.30	1.34	97.01	0.13
11N40SISO	Ant1	2422	0.65	0.68	95.59	0.20
11N40SISO	Ant1	2437	0.64	0.68	94.12	0.26
11N40SISO	Ant1	2452	0.65	0.69	94.20	0.26

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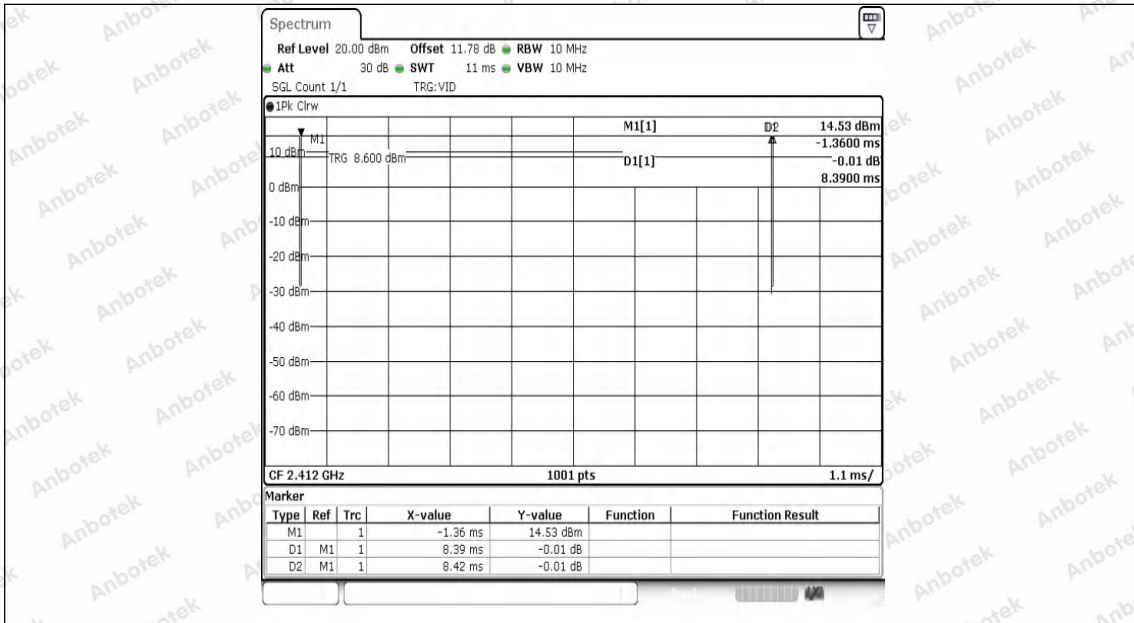
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



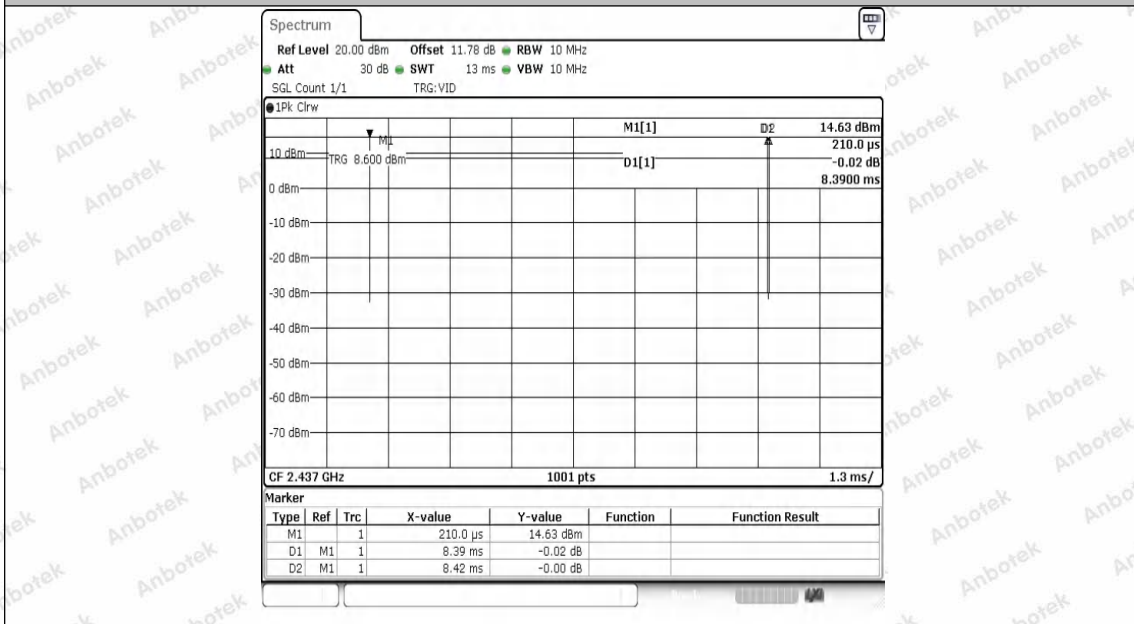
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**Test Graphs**

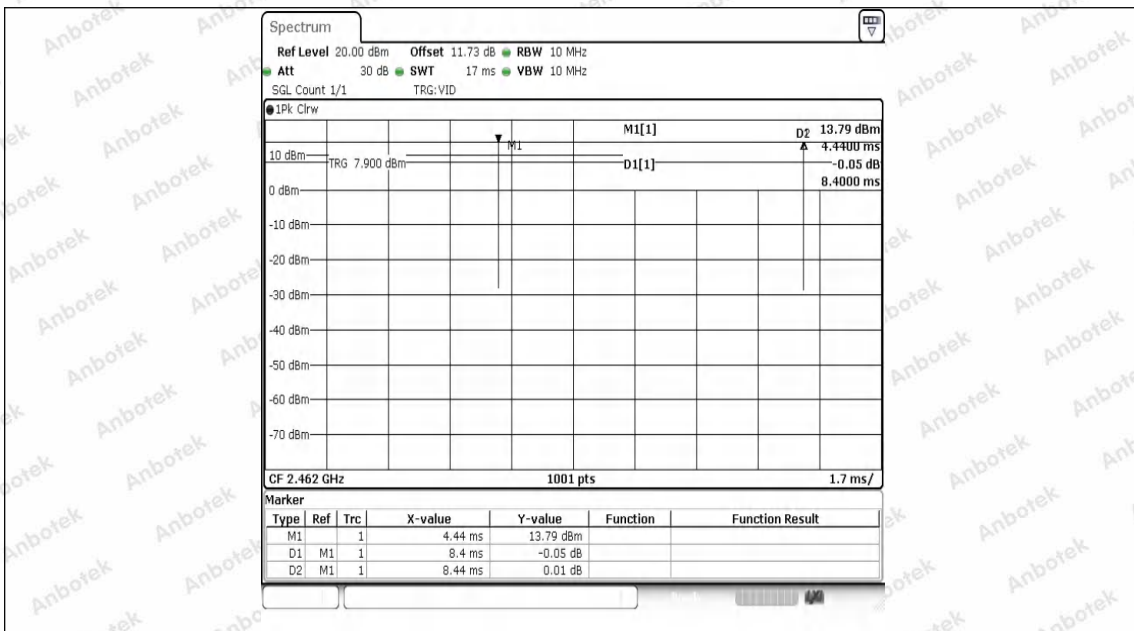


NTNV-11B-Ant1-2412

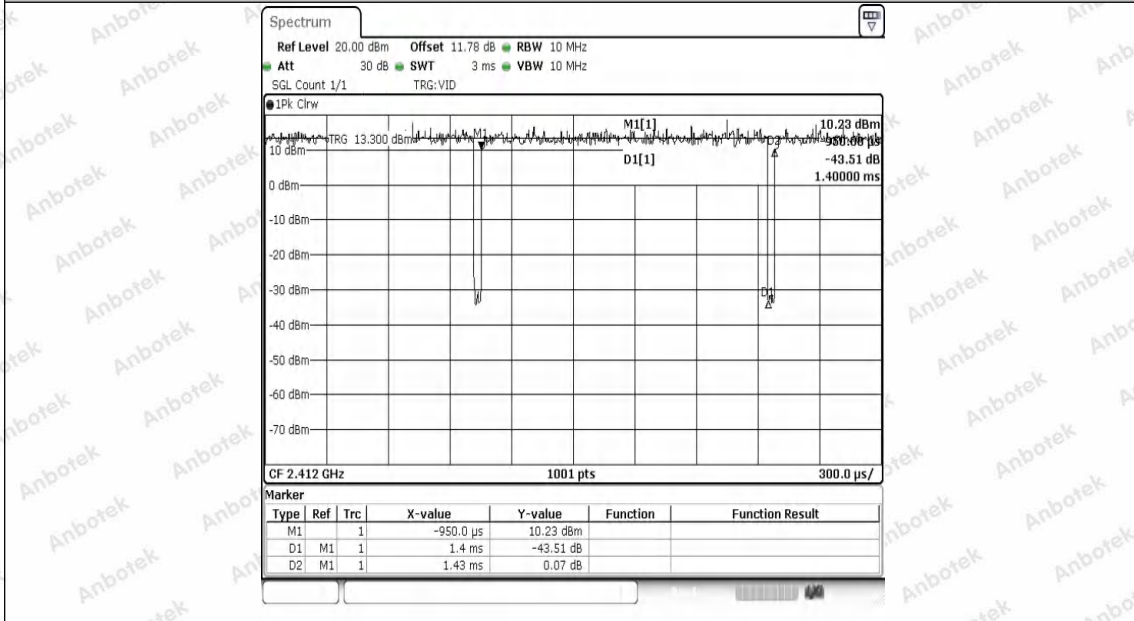


NTNV-11B-Ant1-2437



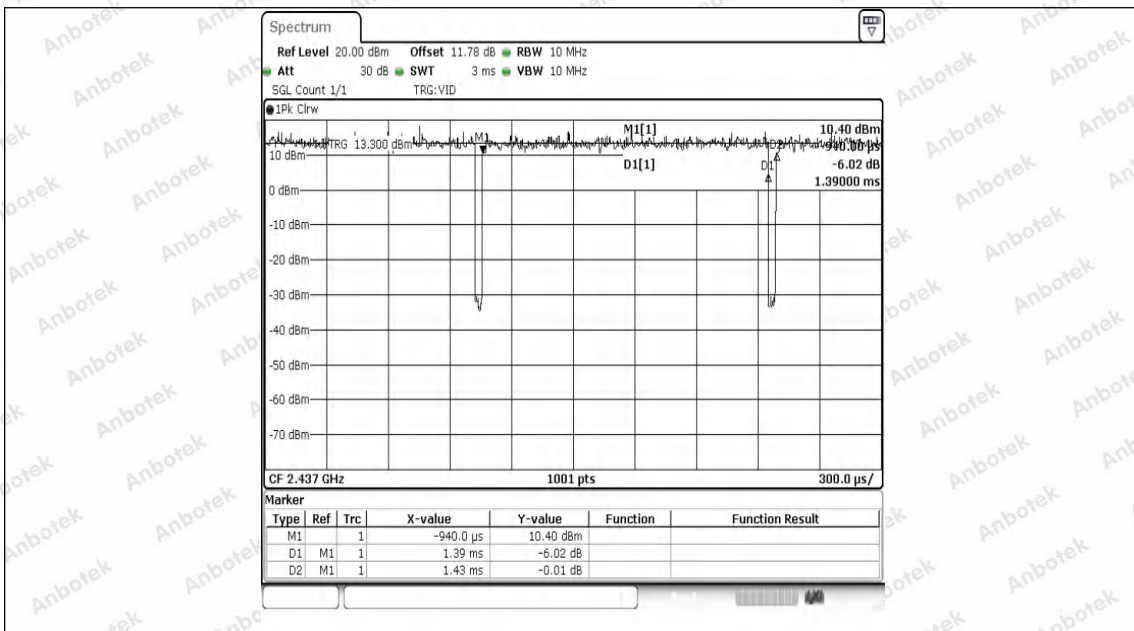


NTNV-11B-Ant1-2462

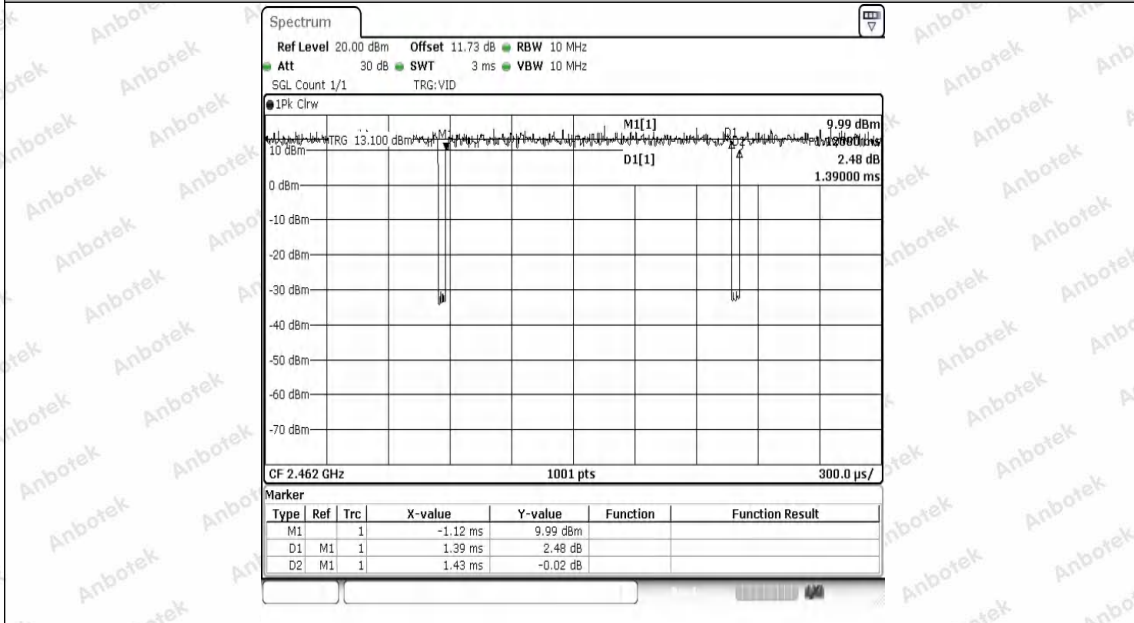


NTNV-11G-Ant1-2412





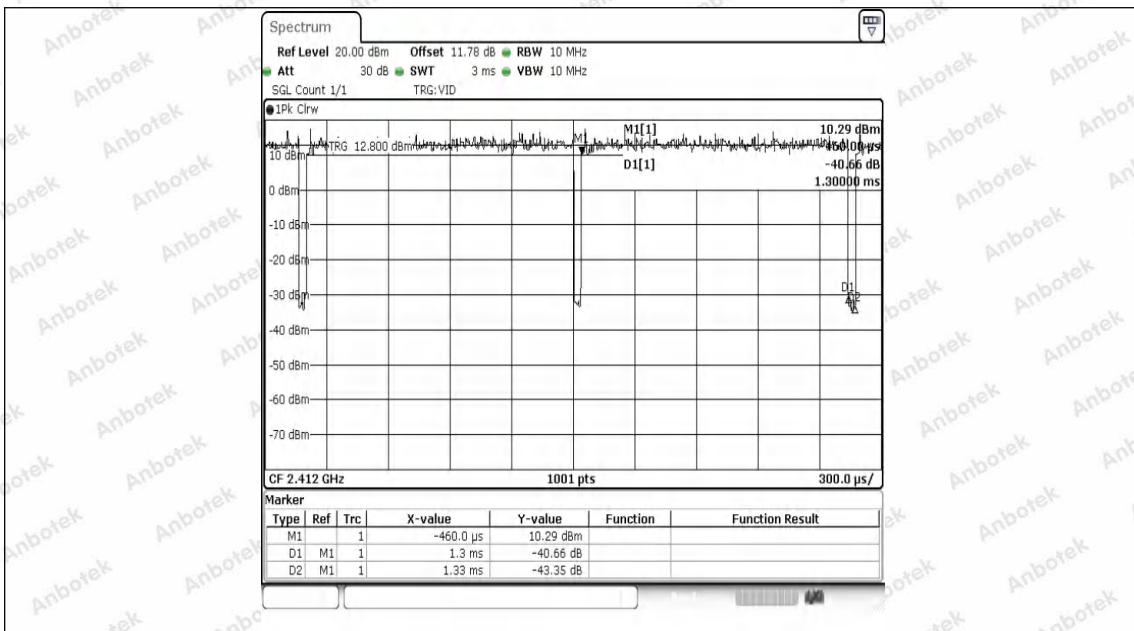
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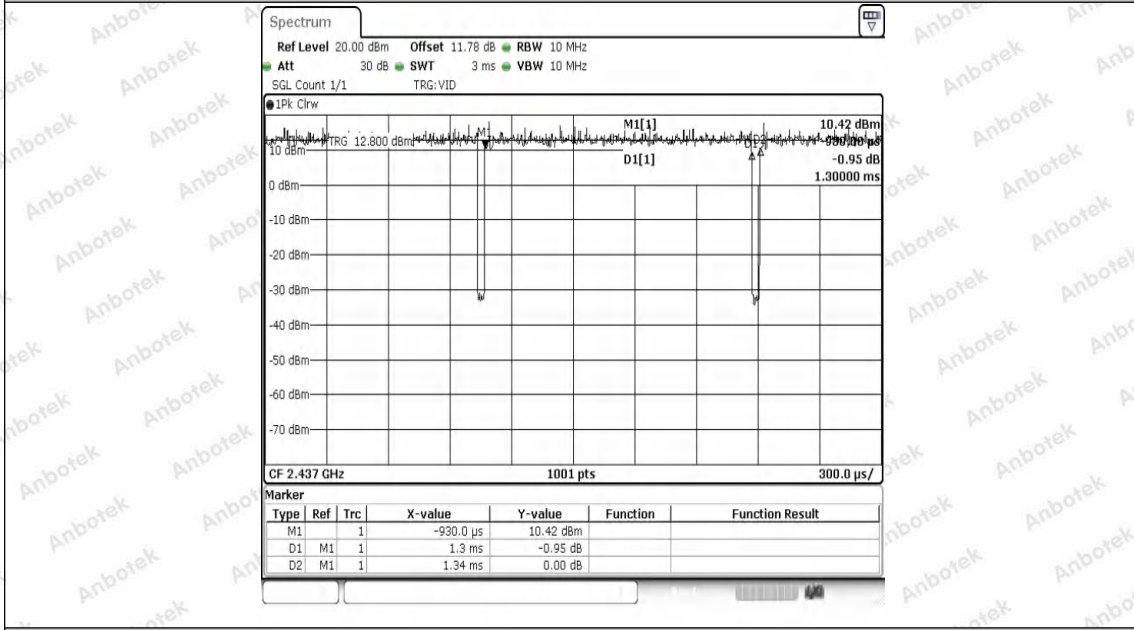
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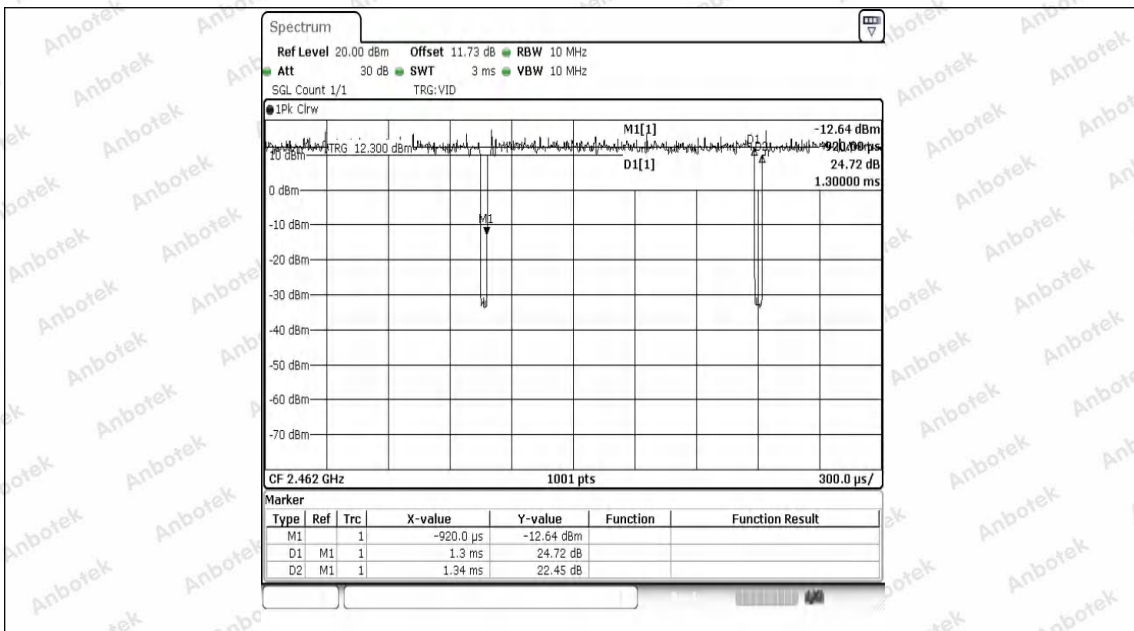


NTNV-11N20SISO-Ant1-2412

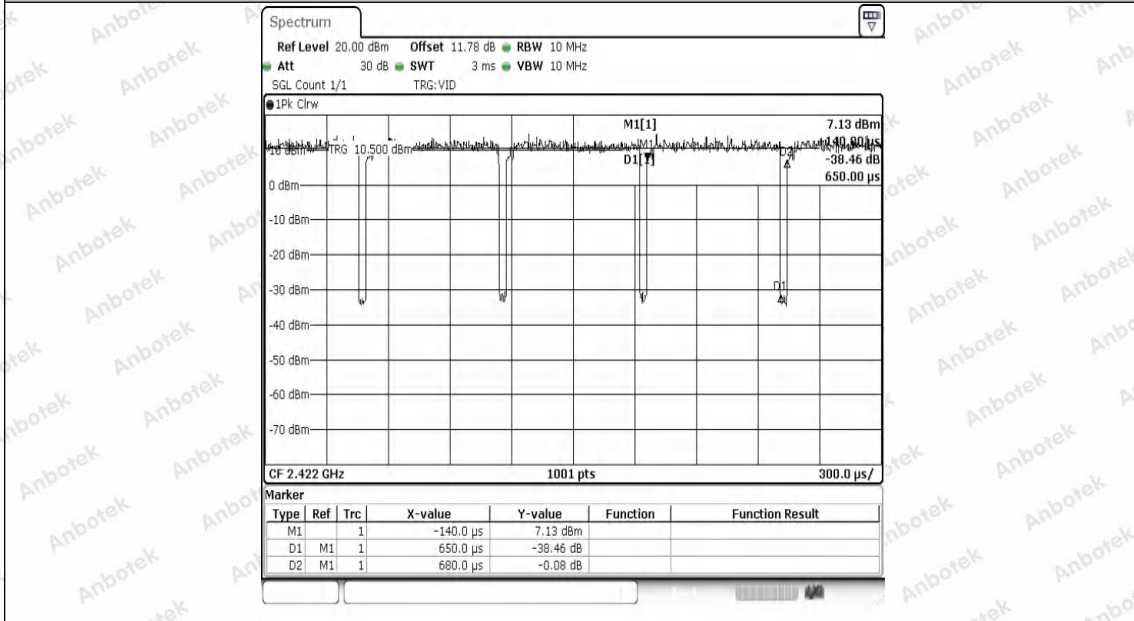


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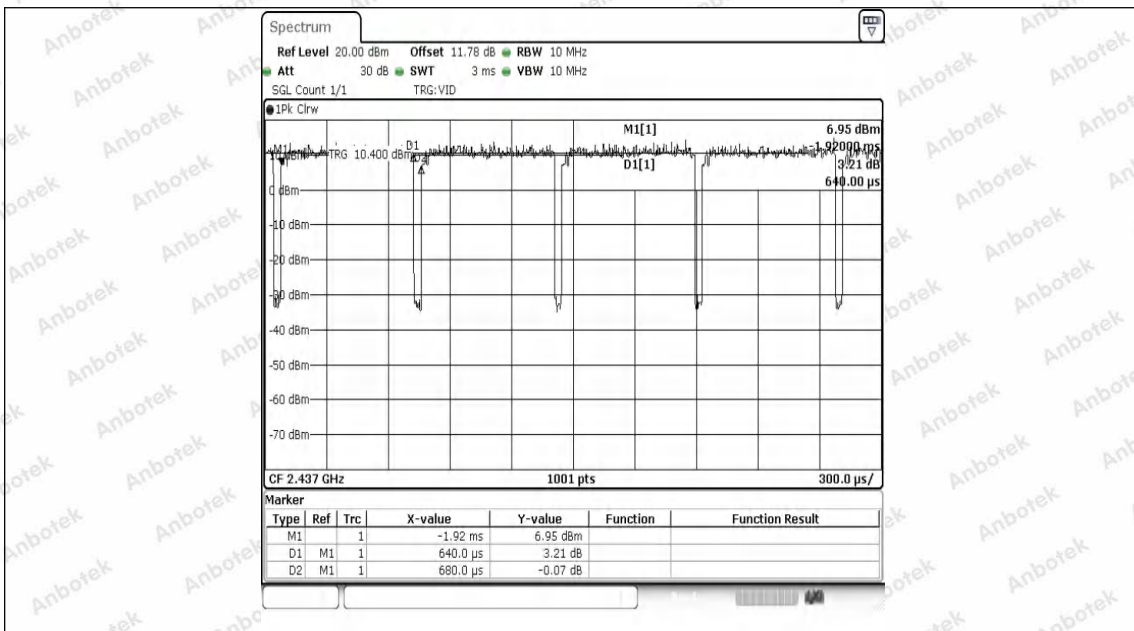


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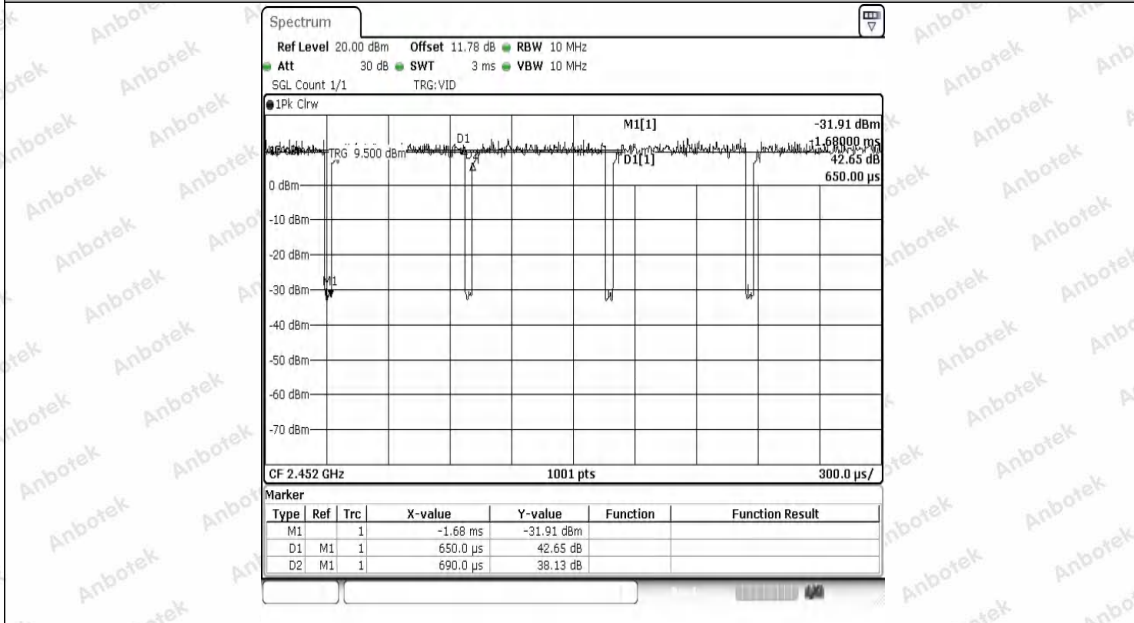


NTNV-11N40SISO-Ant1-2422





NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

---End---

