

Appendix Test Data

Report No.:	18360WC30012902	Test Sample No.:	1-2-2
Start Test Date:	2023.10.16	Finish Test Date:	2023.10.23
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.7°C	Relative Humidity:	48.3%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.12	2407.44	2416.56	≥0.5	PASS
		2437	9.08	2432.44	2441.52	≥0.5	PASS
		2462	9.08	2457.44	2466.52	≥0.5	PASS
11G	Ant1	2412	16.52	2403.72	2420.24	≥0.5	PASS
		2437	16.36	2428.80	2445.16	≥0.5	PASS
		2462	16.32	2453.84	2470.16	≥0.5	PASS
11N20SISO	Ant1	2412	17.56	2403.20	2420.76	≥0.5	PASS
		2437	17.80	2428.08	2445.88	≥0.5	PASS
		2462	17.56	2453.20	2470.76	≥0.5	PASS
11N40SISO	Ant1	2422	36.48	2403.70	2440.18	≥0.5	PASS
		2437	36.06	2419.06	2455.12	≥0.5	PASS
		2452	35.40	2434.18	2469.58	≥0.5	PASS

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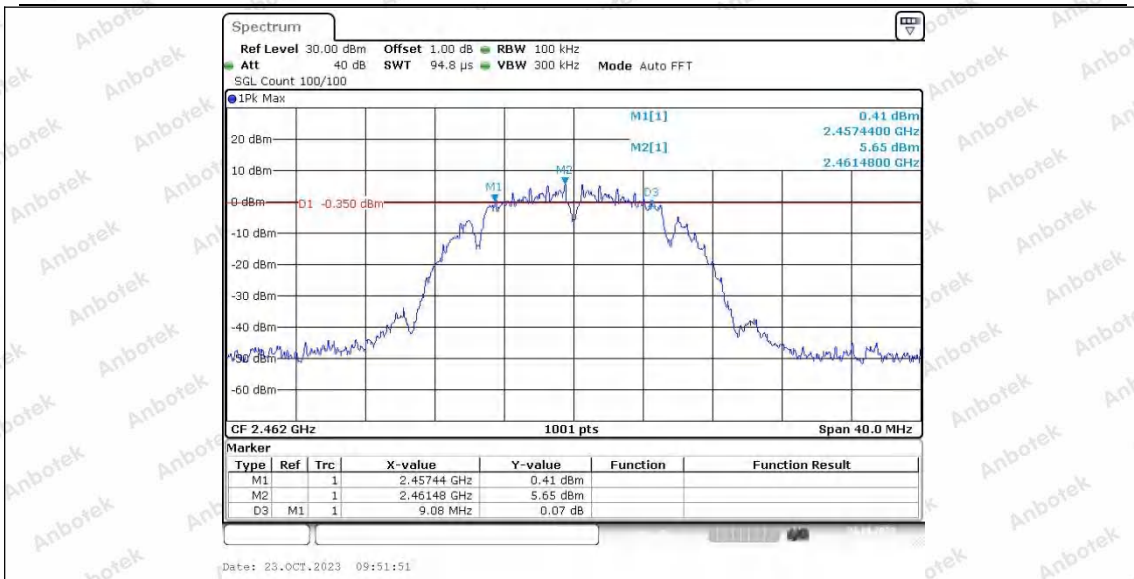


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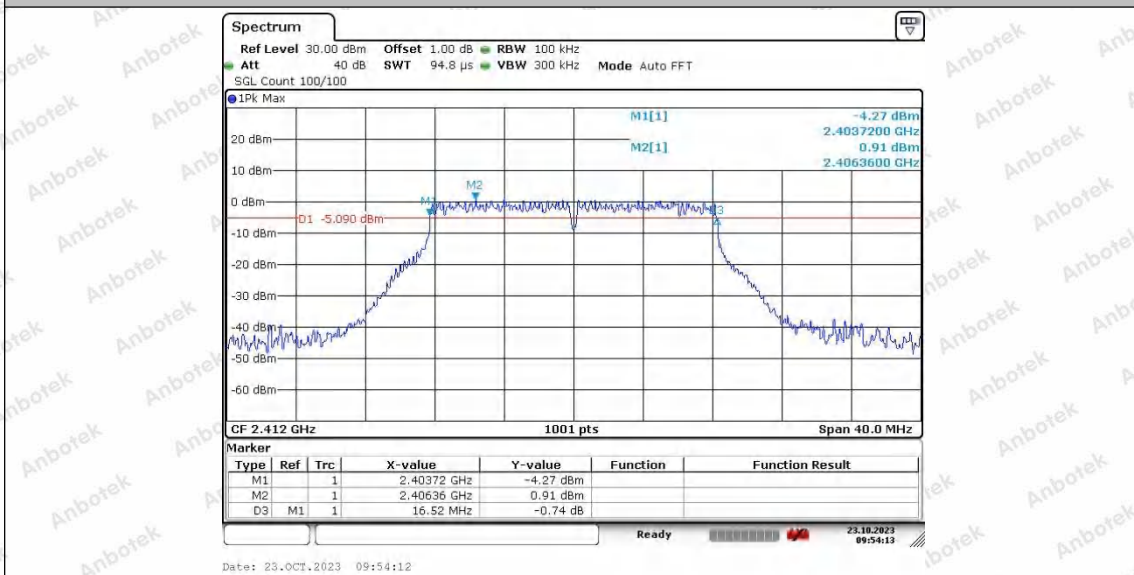


Test Graphs





11G_Ant1_2412



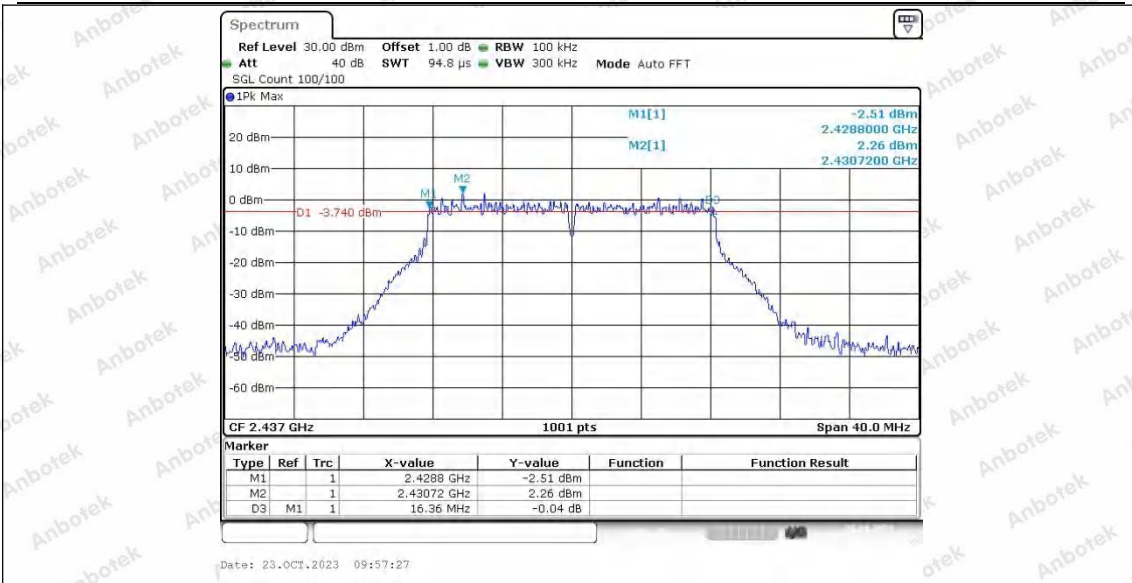
11G_Ant1_2437

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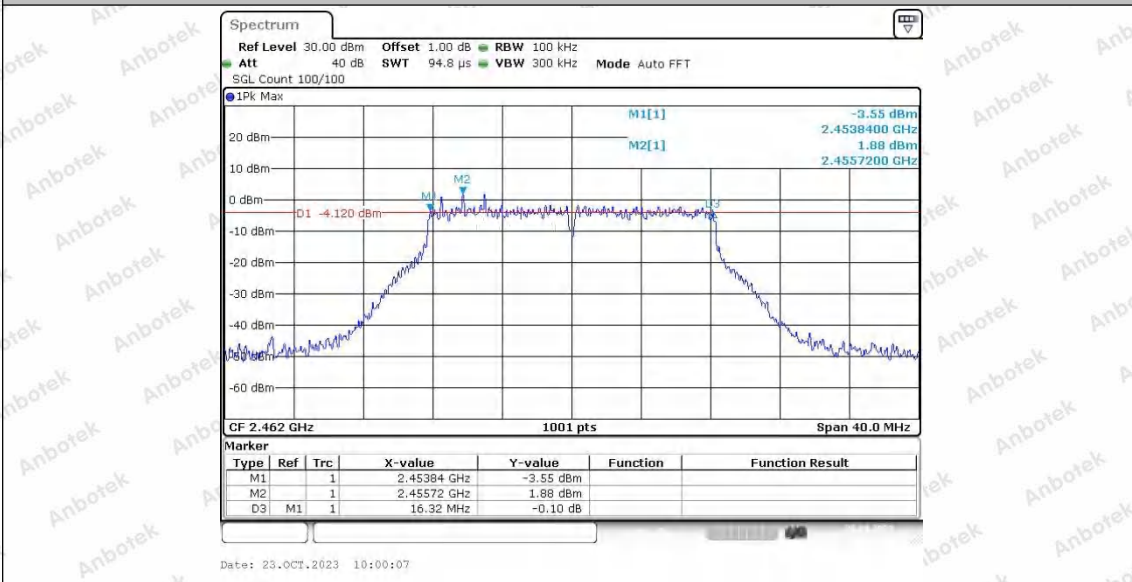
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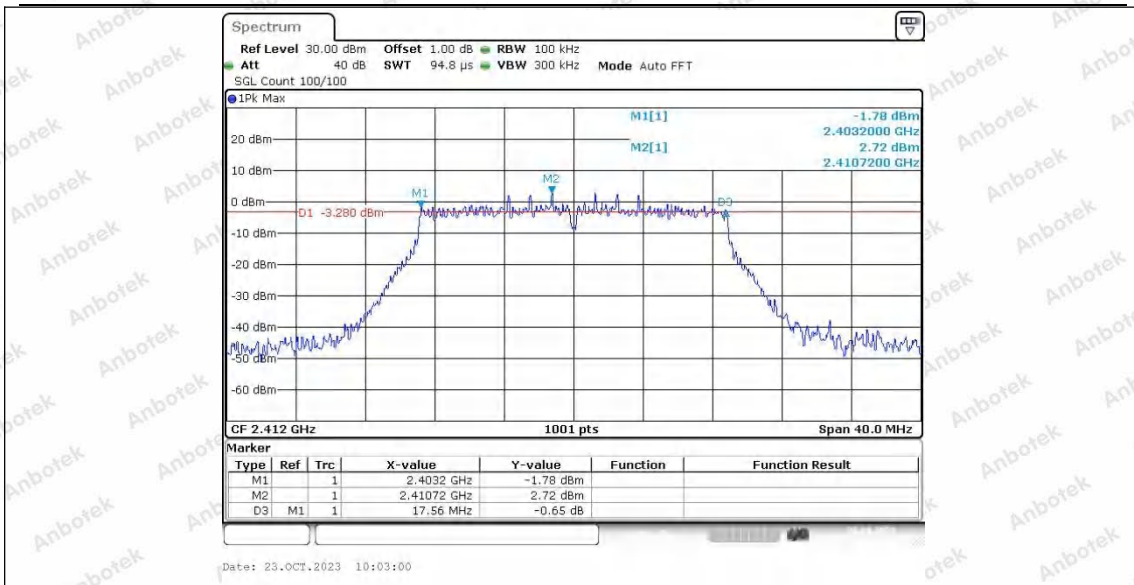


11G_Ant1_2462

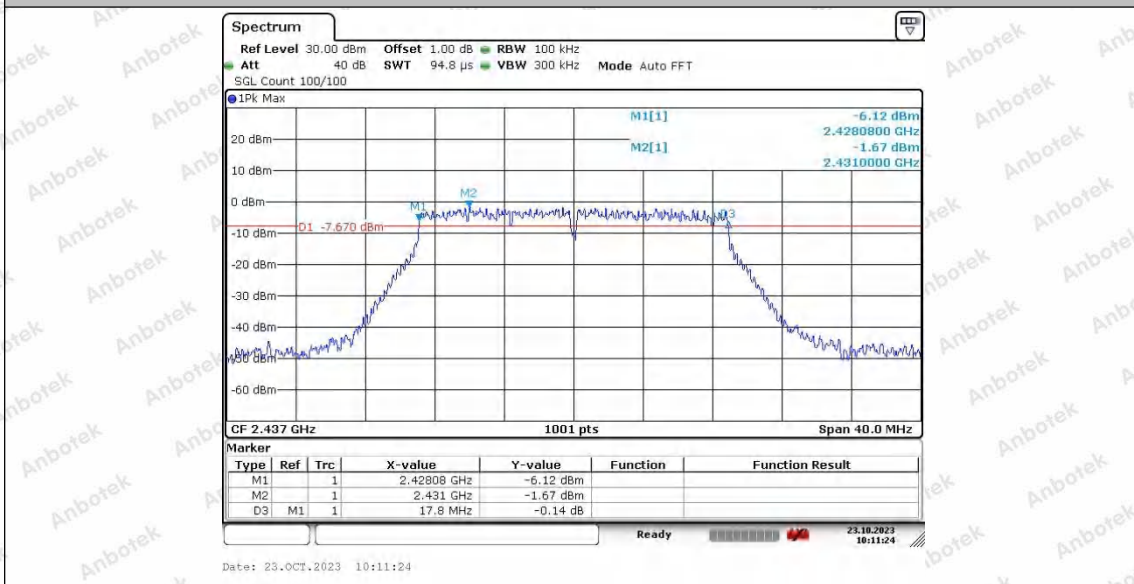


11N20SISO_Ant1_2412



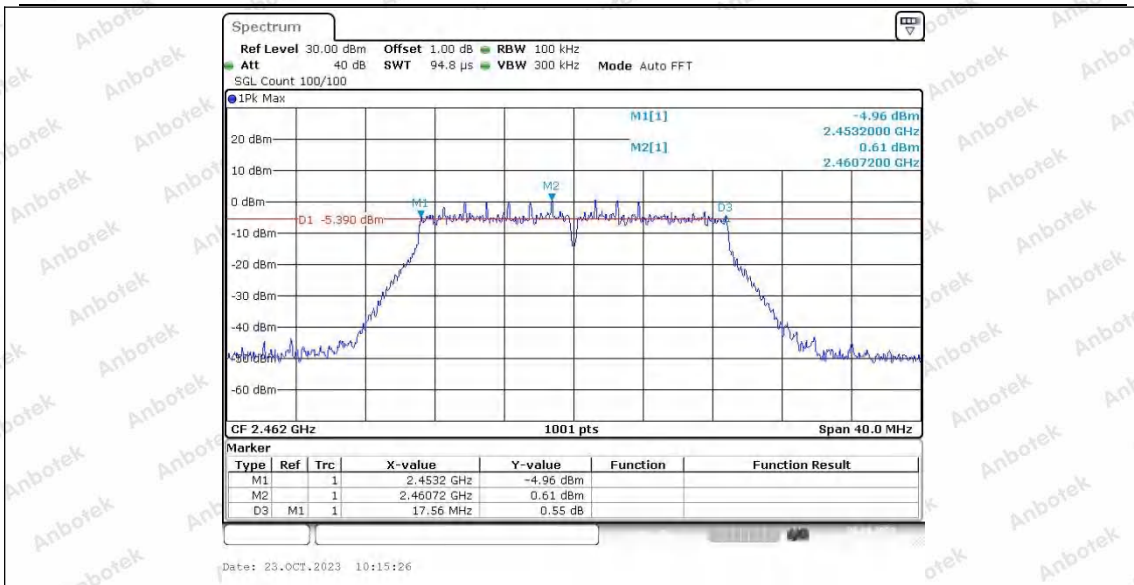


11N20SISO_Ant1_2437

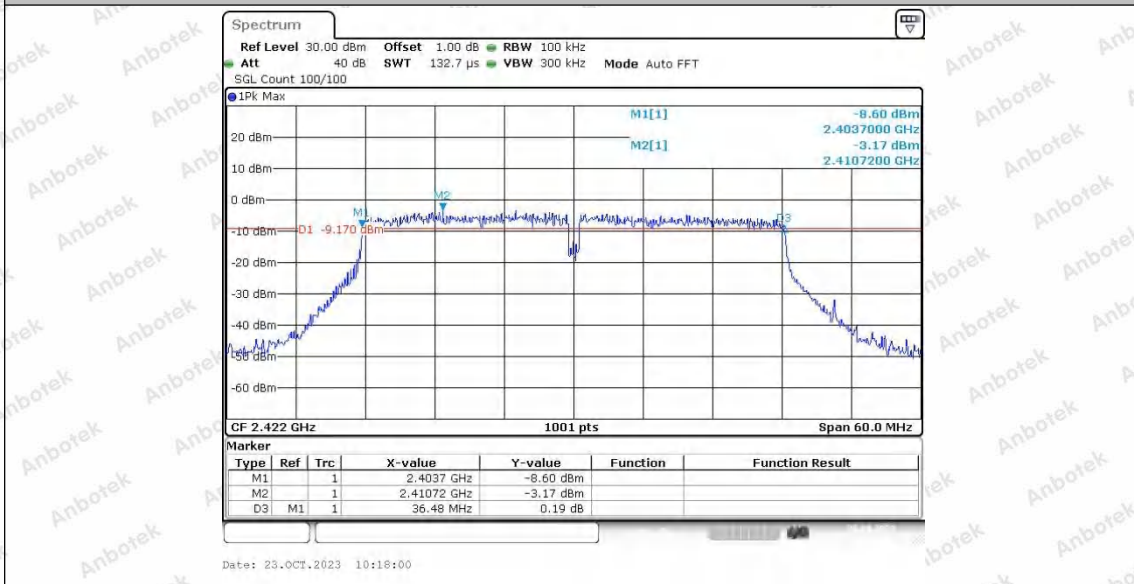


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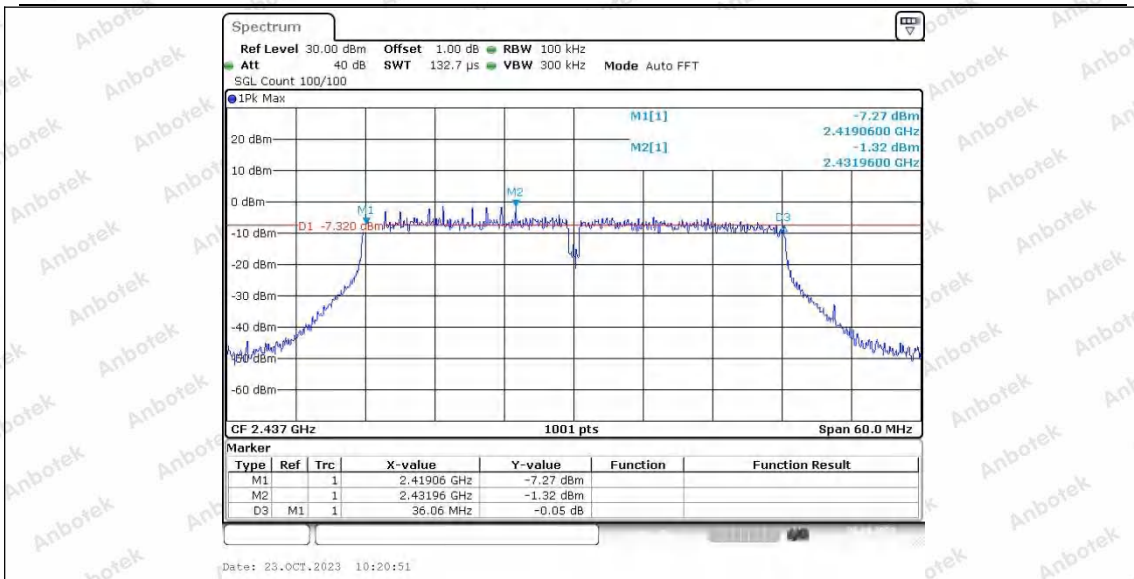


11N40SISO_Ant1_2422

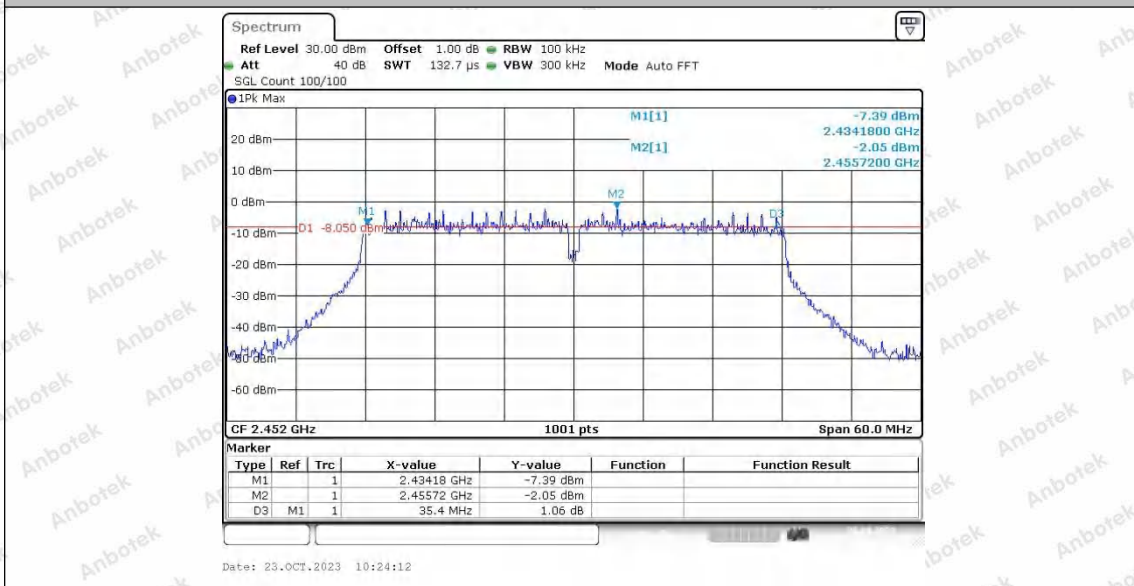


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452



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Appendix B: Occupied Channel Bandwidth

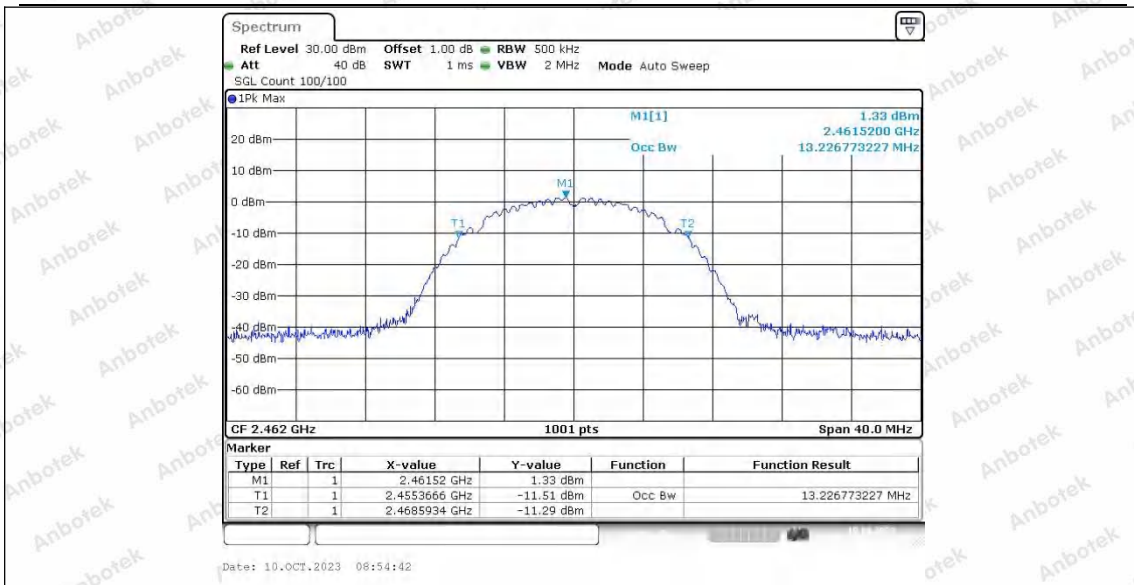
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.067	2405.4466	2418.5135	---	---
		2437	13.067	2430.4466	2443.5135	---	---
		2462	13.227	2455.3666	2468.5934	---	---
11G	Ant1	2412	17.662	2403.1688	2420.8312	---	---
		2437	17.582	2428.1688	2445.7512	---	---
		2462	17.622	2453.1688	2470.7912	---	---
11N20SISO	Ant1	2412	18.541	2402.6893	2421.2308	---	---
		2437	18.501	2427.8092	2446.3107	---	---
		2462	18.581	2452.6893	2471.2707	---	---
11N40SISO	Ant1	2422	37.083	2403.3786	2440.4615	---	---
		2437	37.243	2418.3786	2455.6214	---	---
		2452	36.923	2433.6184	2470.5415	---	---

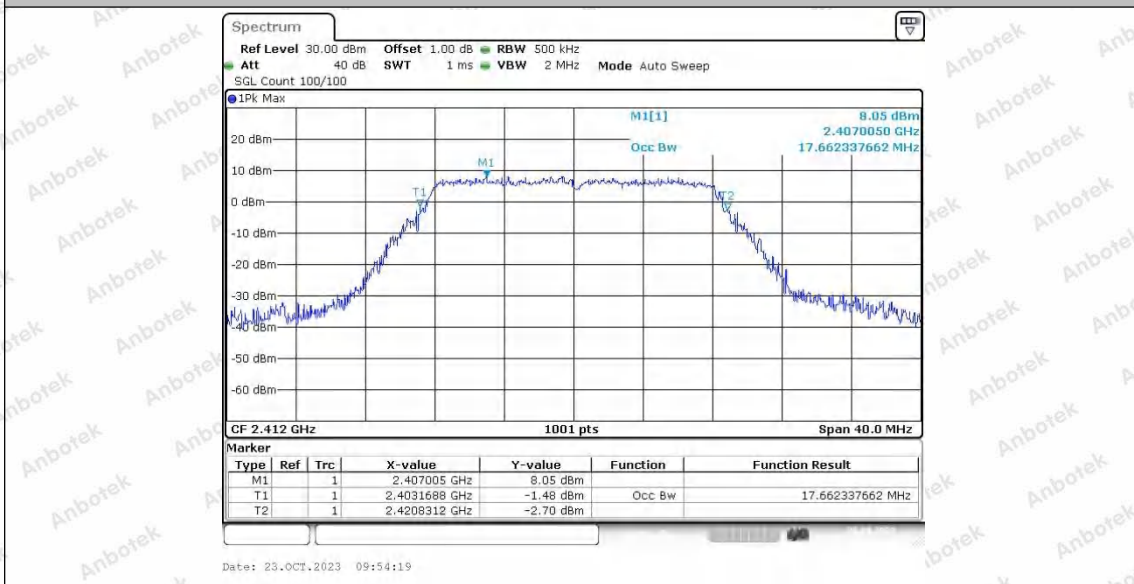


Test Graphs



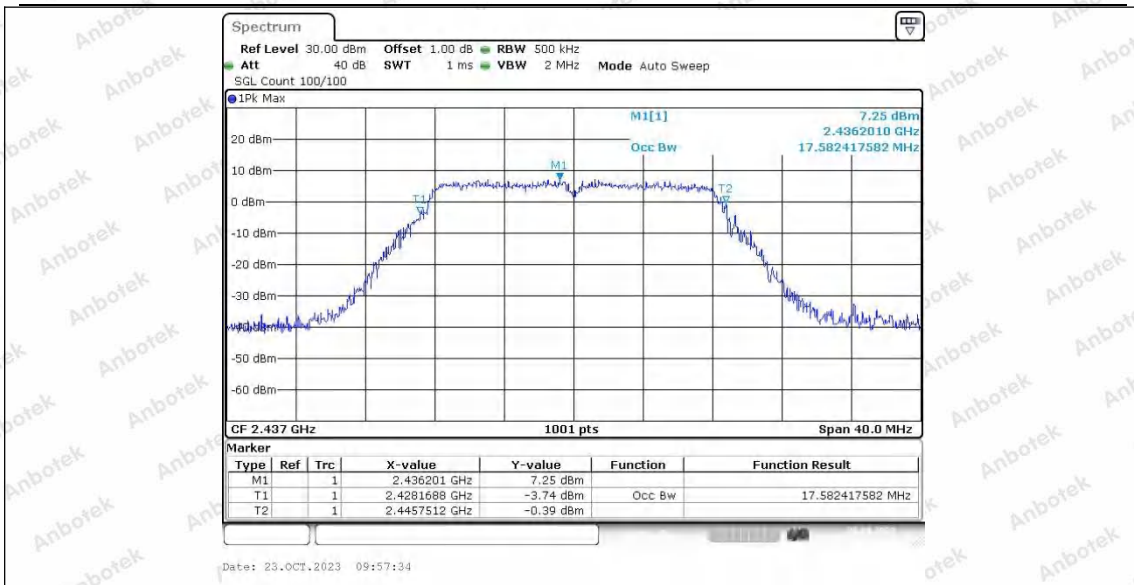


11G_Ant1_2412

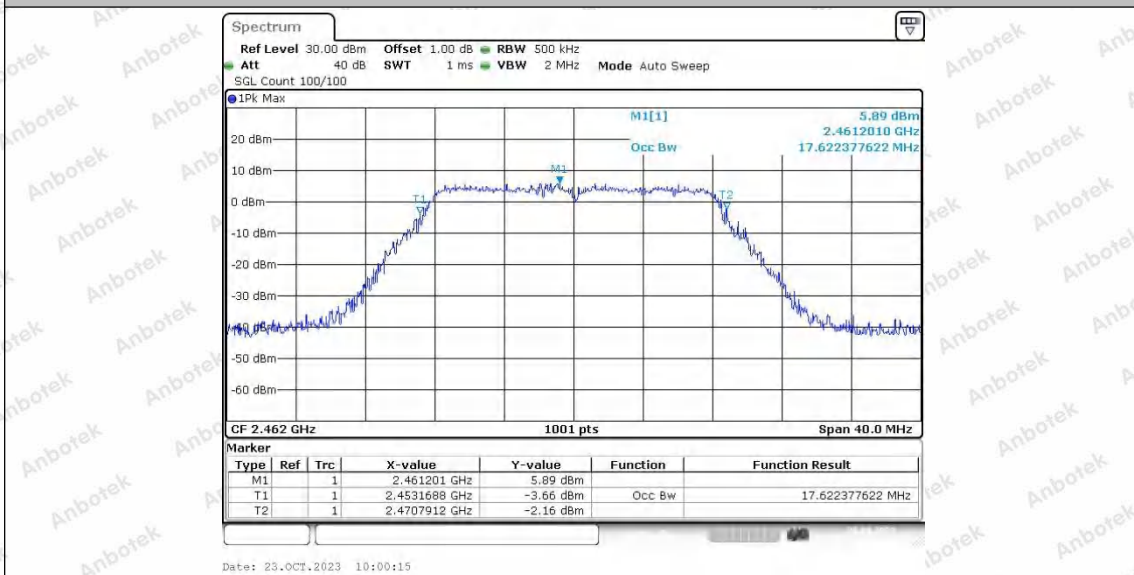


11G_Ant1_2437



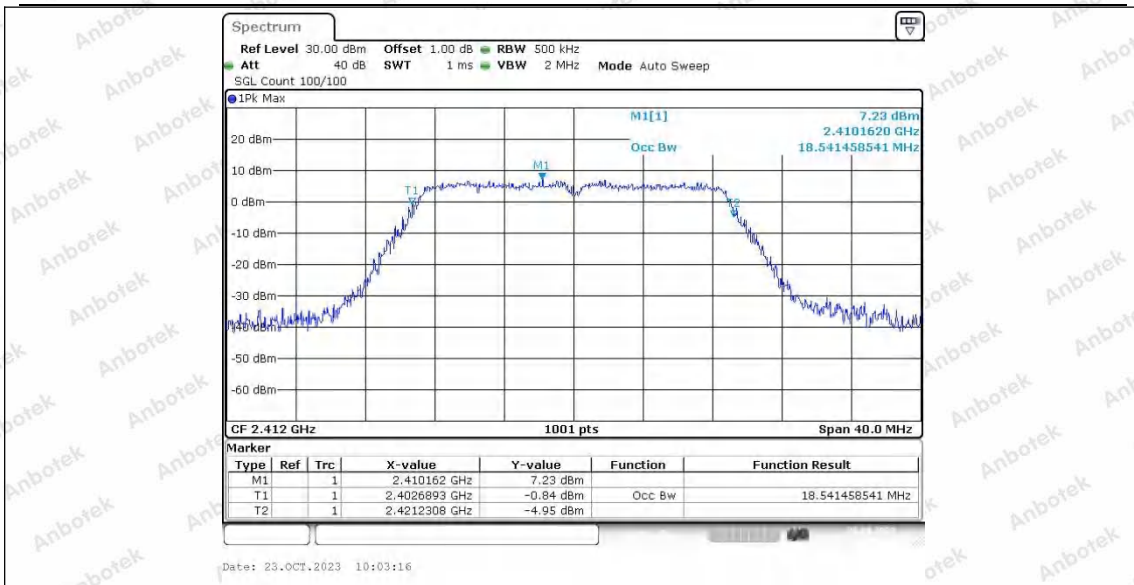


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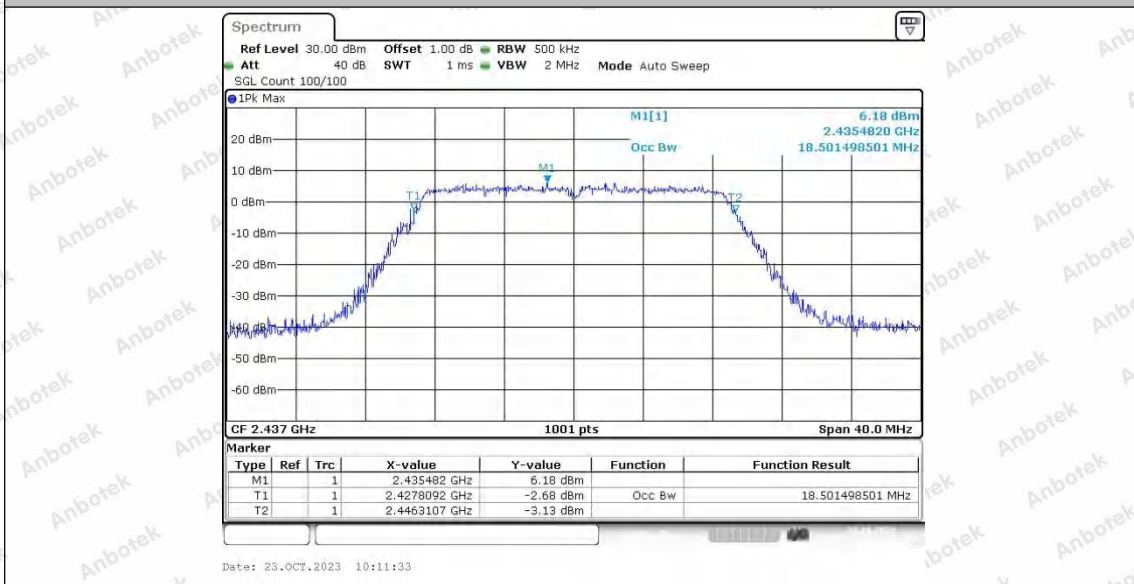


11N20SISO_Ant1_2412





11N20SISO_Ant1_2437



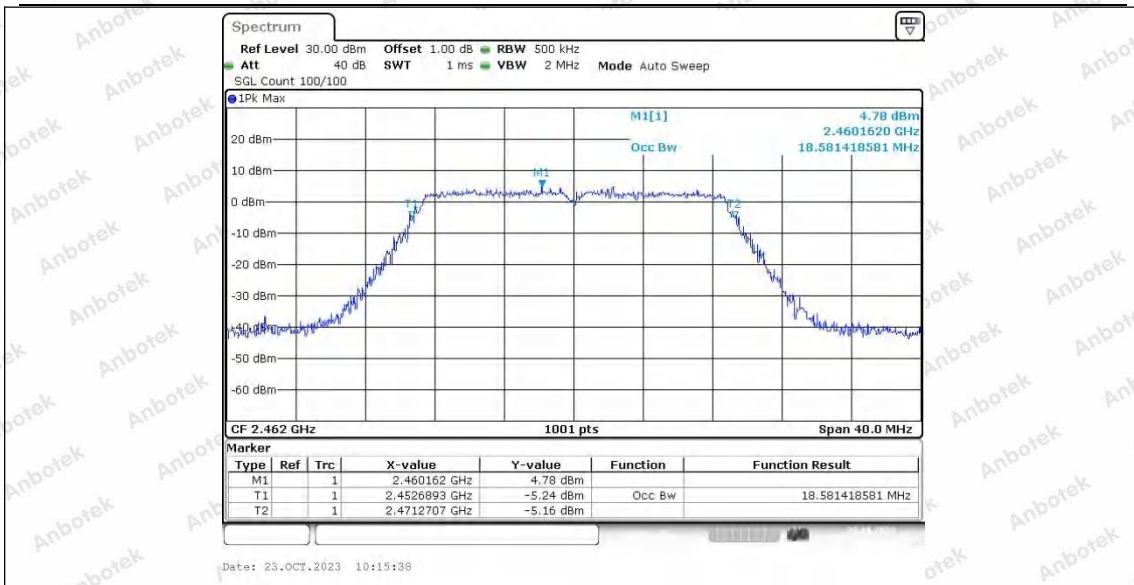
11N20SISO_Ant1_2462

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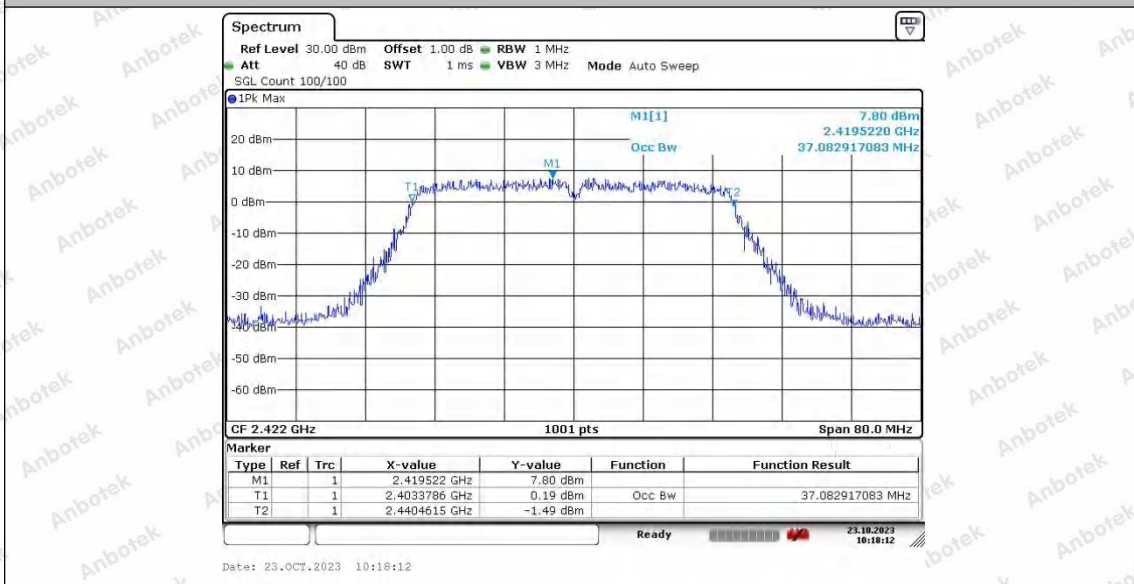
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11N40SISO_Ant1_2422



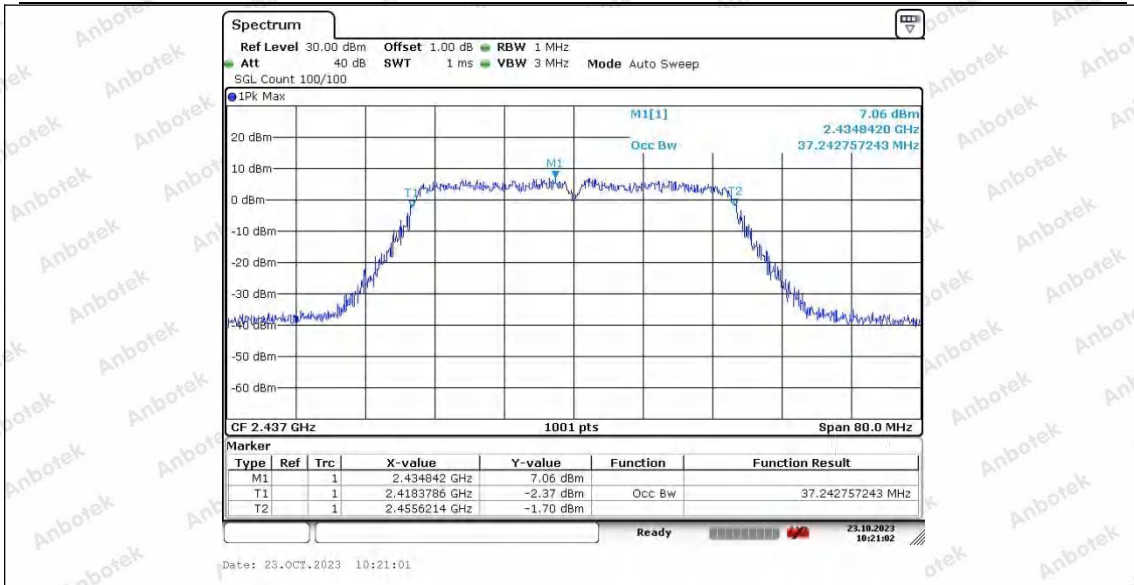
11N40SISO_Ant1_2437

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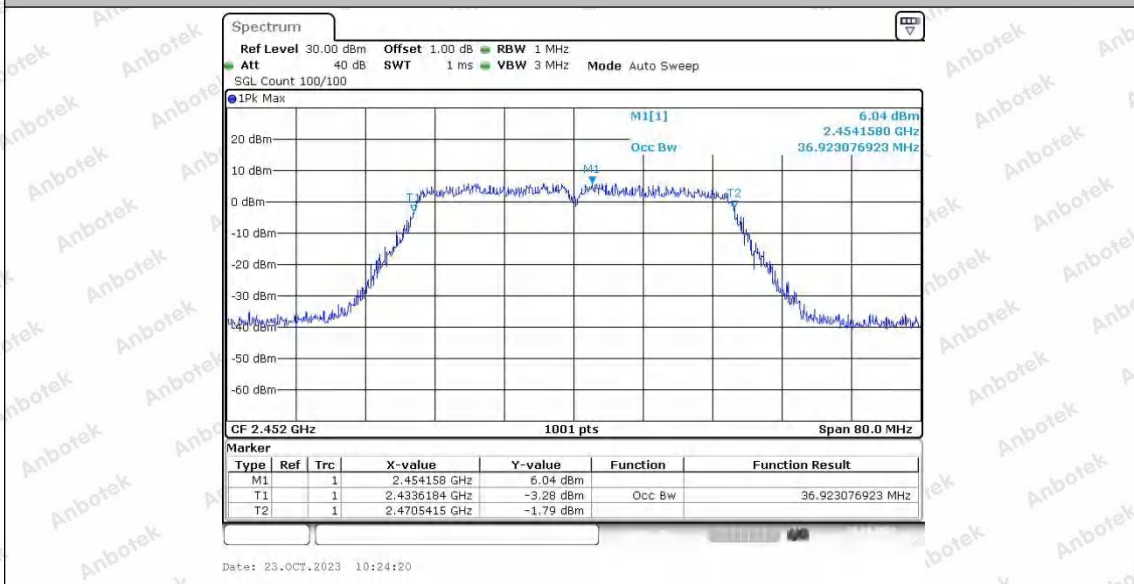
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11N40SISO_Ant1_2452



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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	20.42	≤30.00
		2437	20.53	≤30.00
		2462	20.66	≤30.00
11G	Ant1	2412	20.93	≤30.00
		2437	21.01	≤30.00
		2462	21.15	≤30.00
11N20SISO	Ant1	2412	19.93	≤30.00
		2437	20.05	≤30.00
		2462	20.27	≤30.00
11N40SISO	Ant1	2422	20.06	≤30.00
		2437	20.07	≤30.00
		2452	19.90	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.9	≤8.00	PASS
		2437	-5.92	≤8.00	PASS
		2462	-7.29	≤8.00	PASS
11G	Ant1	2412	-10.87	≤8.00	PASS
		2437	-11.77	≤8.00	PASS
		2462	-13.05	≤8.00	PASS
11N20SISO	Ant1	2412	-11.41	≤8.00	PASS
		2437	-12.42	≤8.00	PASS
		2462	-13.83	≤8.00	PASS
11N40SISO	Ant1	2422	-14.22	≤8.00	PASS
		2437	-14.96	≤8.00	PASS
		2452	-15.69	≤8.00	PASS

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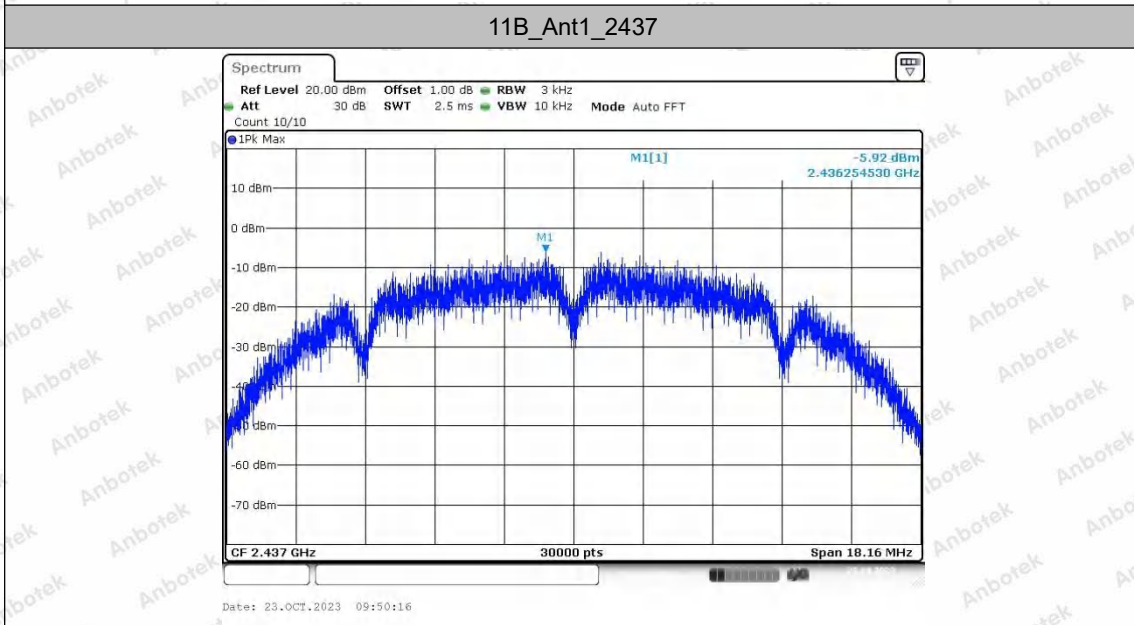
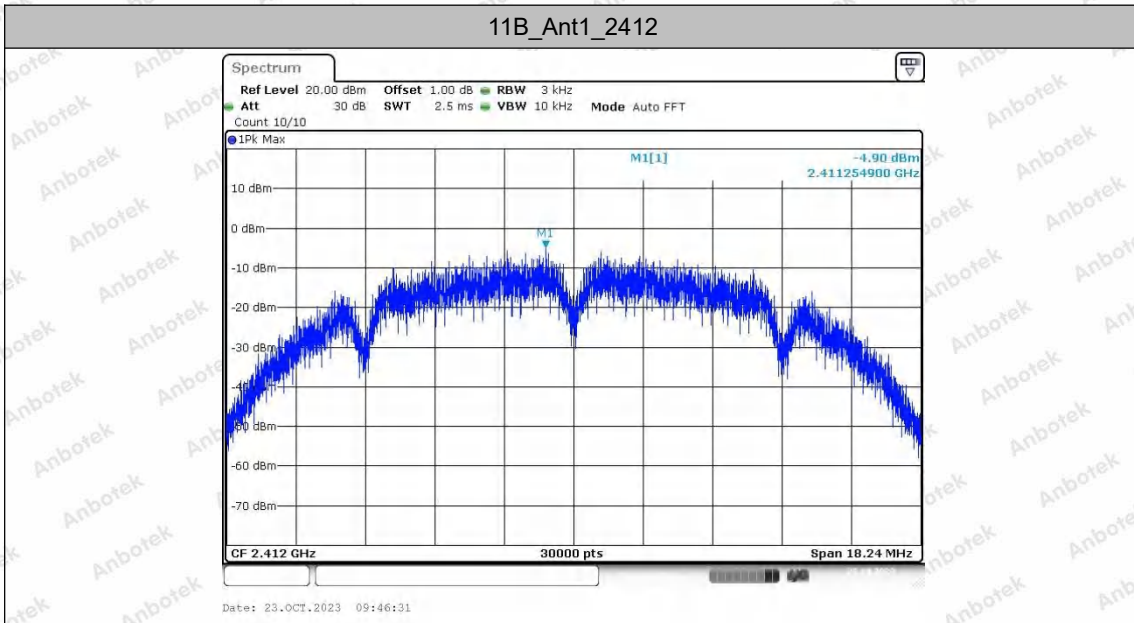
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Test Graphs



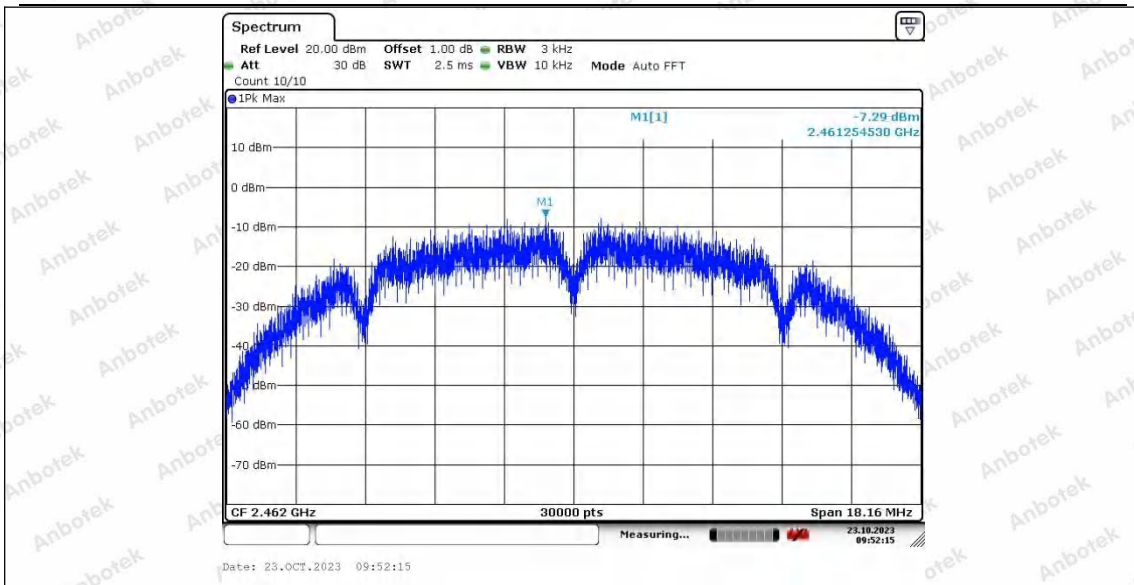
11B_Ant1_2462

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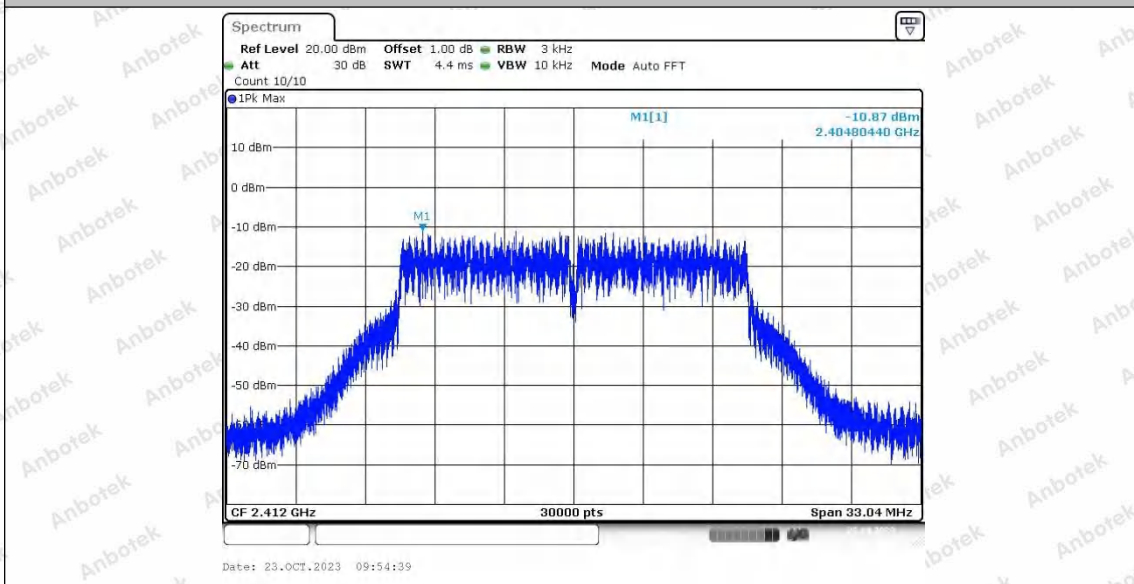
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11G_Ant1_2412



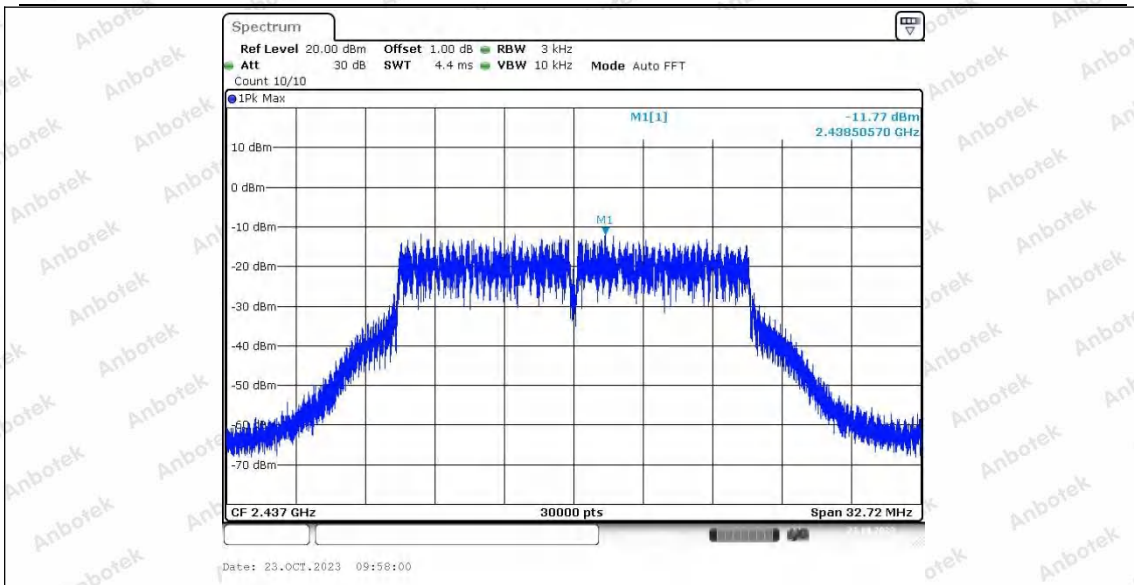
11G_Ant1_2437

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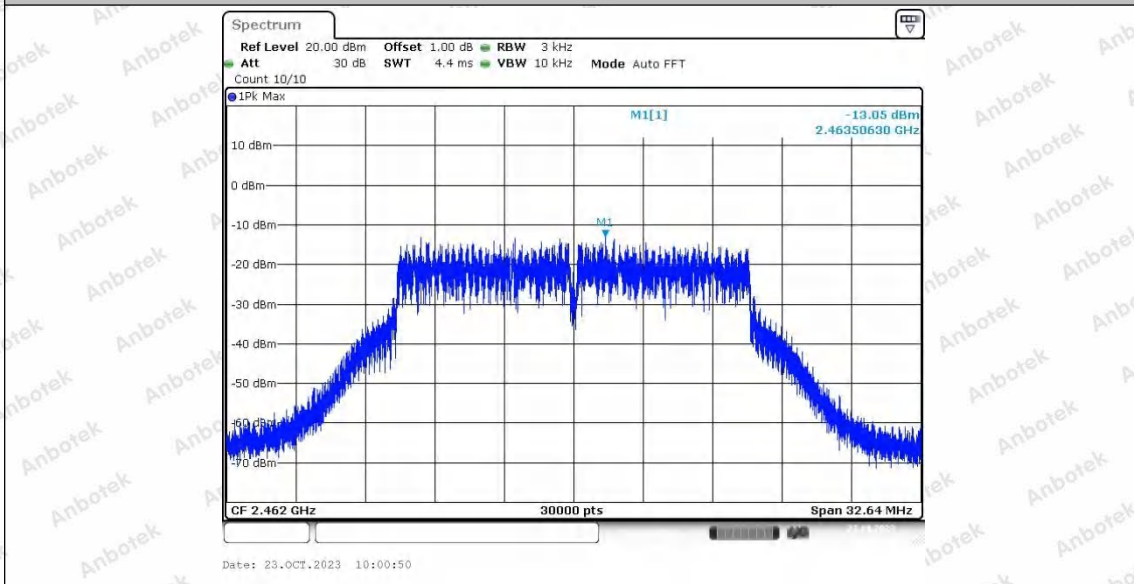
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11G_Ant1_2462



11N20SISO_Ant1_2412

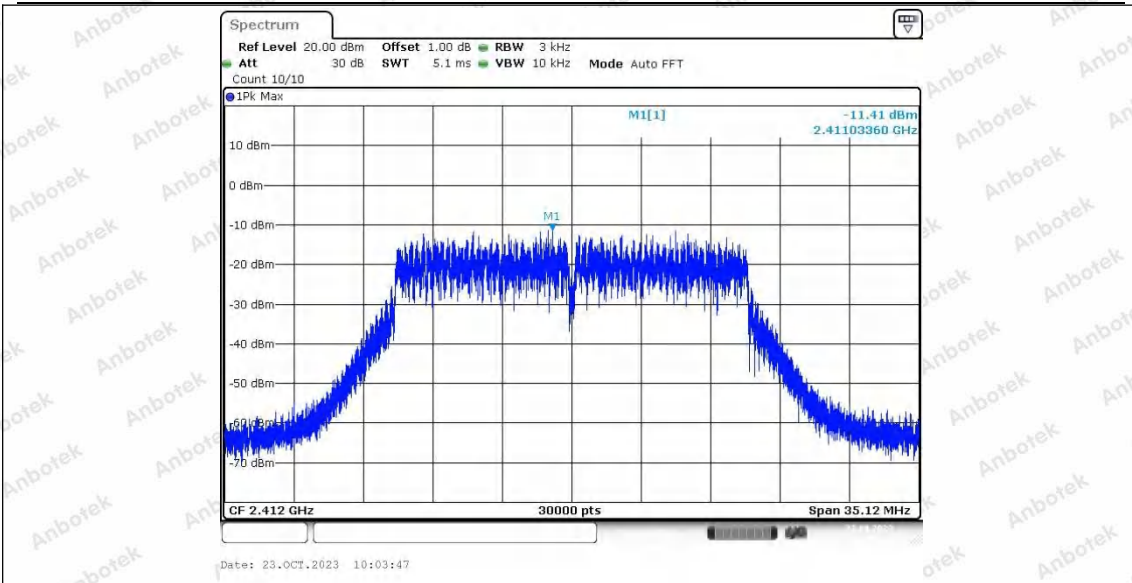
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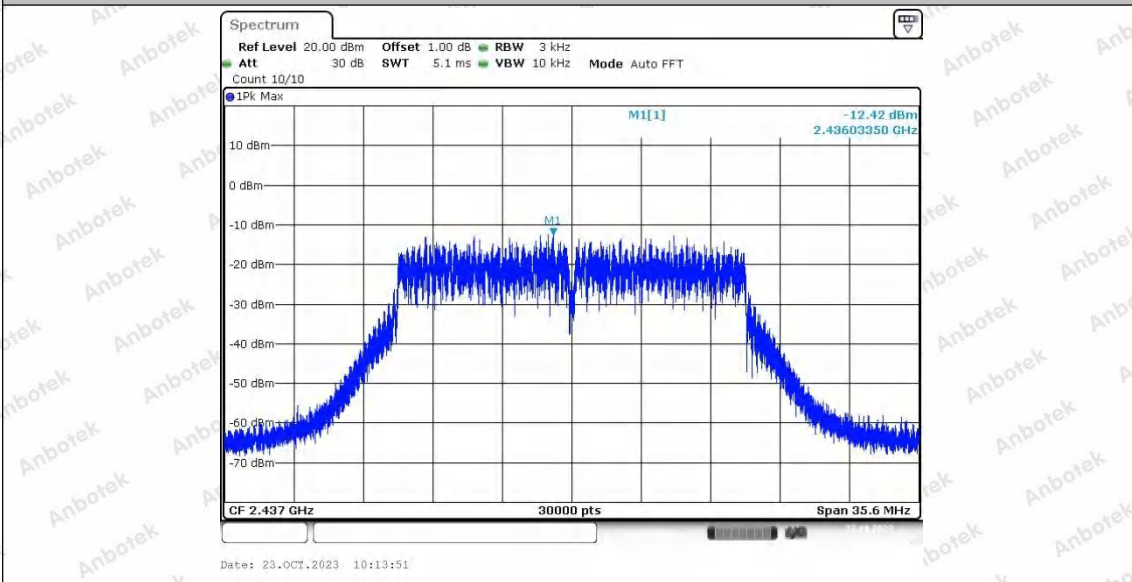


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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

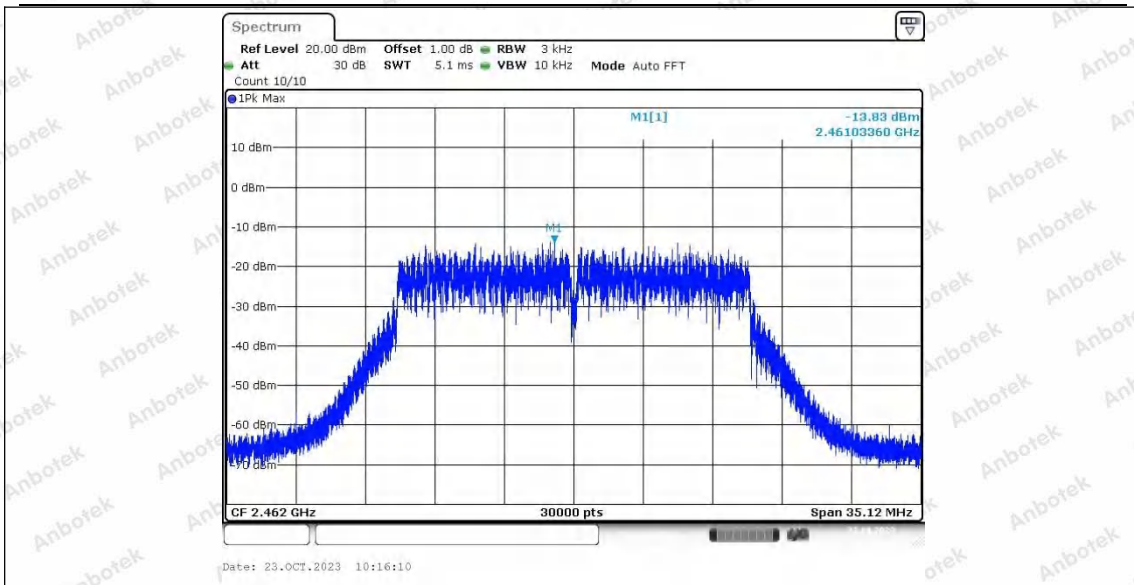
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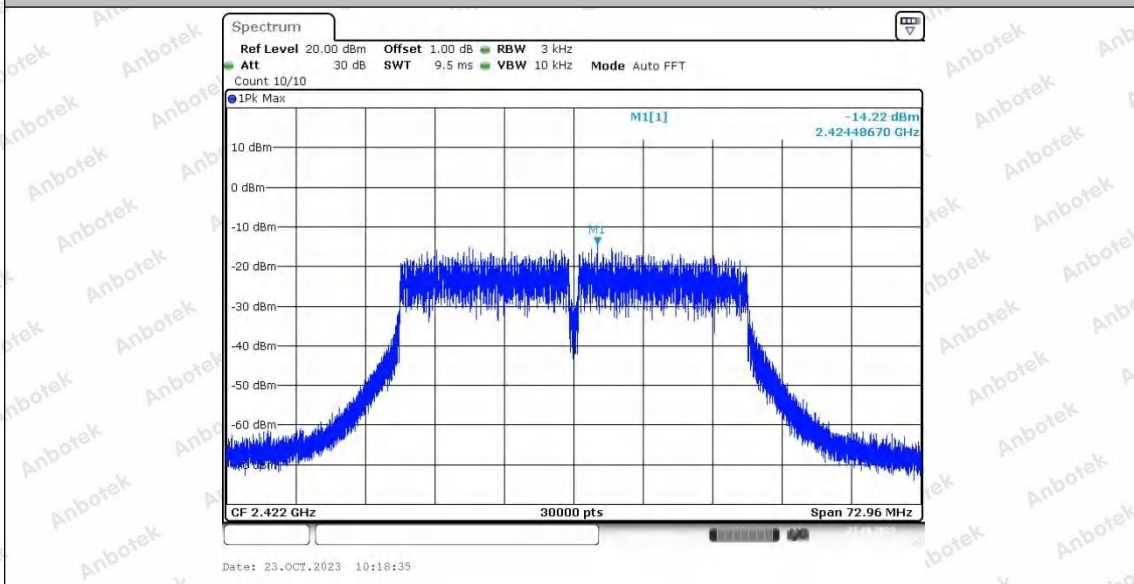


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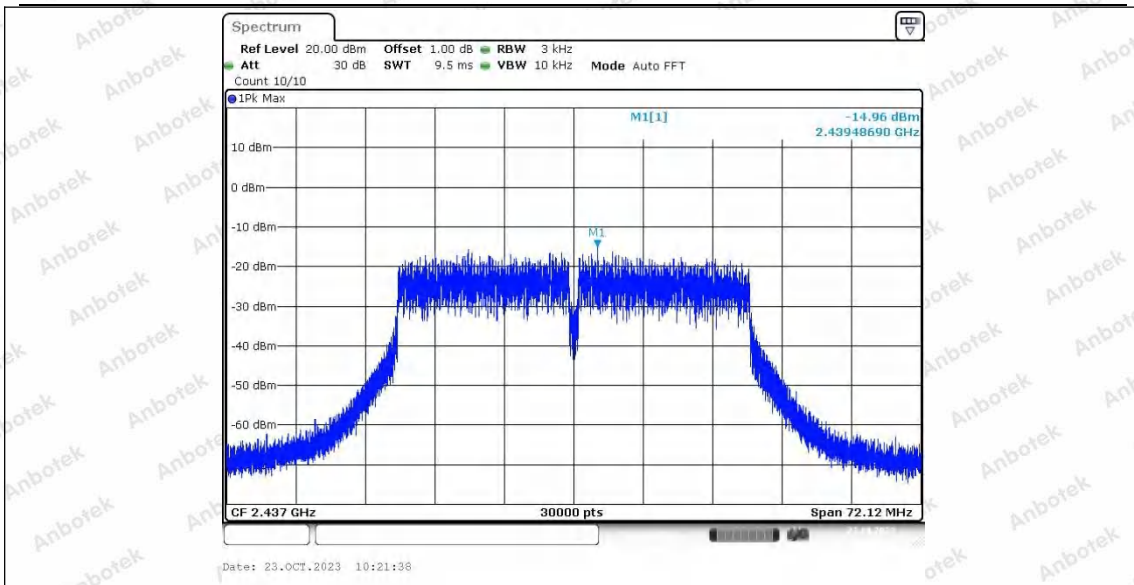


11N40SISO_Ant1_2422

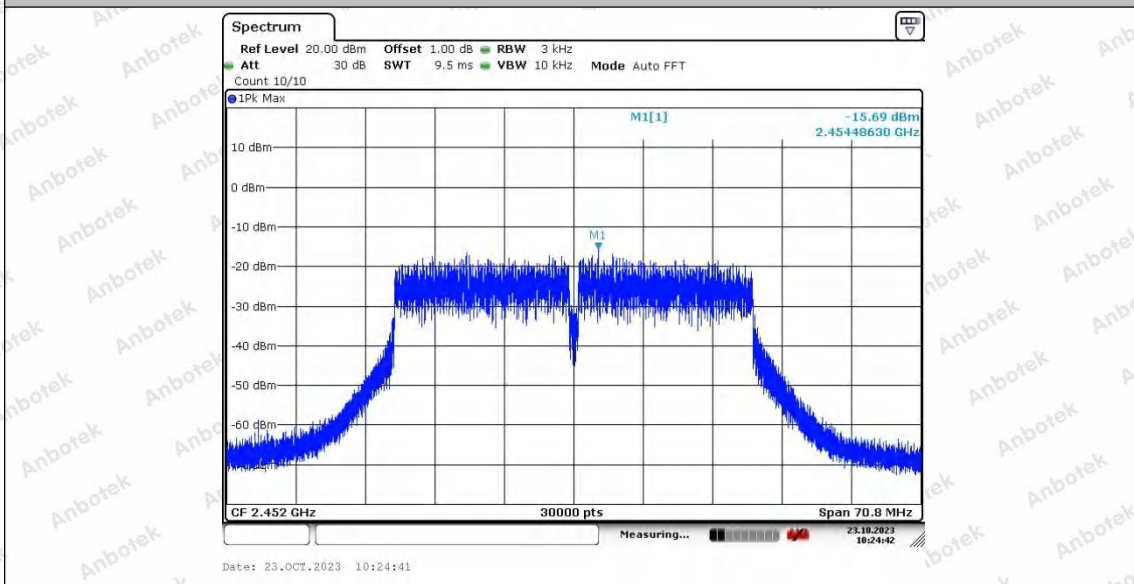


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452



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Appendix E: Band edge measurements

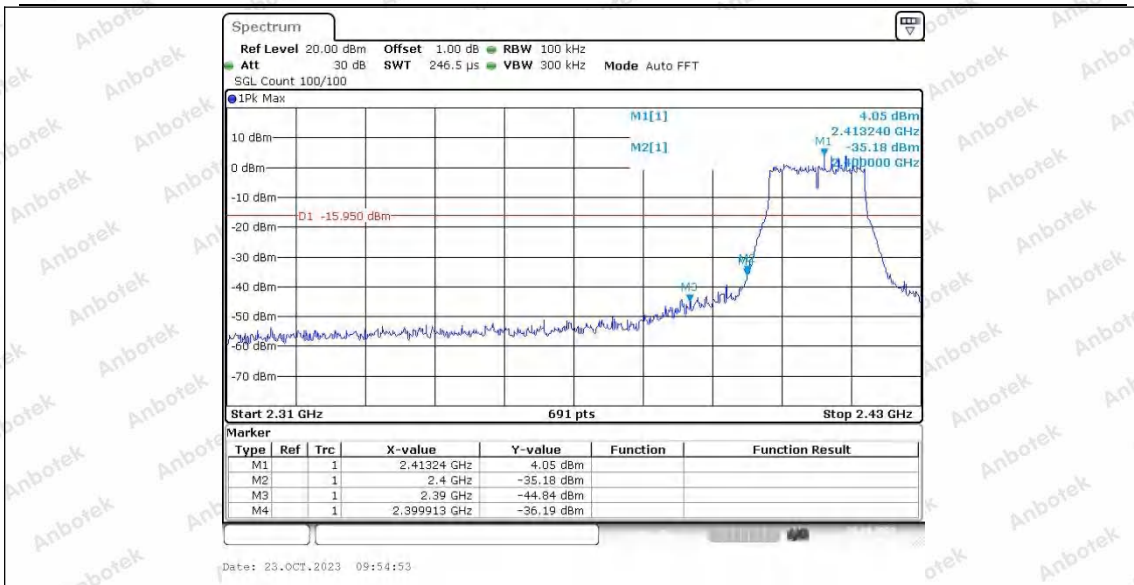
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result [dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.86	-43.43	≤-12.14	PASS
		High	2462	4.92	-49.25	≤-15.08	PASS
11G	Ant1	Low	2412	4.05	-36.19	≤-15.95	PASS
		High	2462	1.09	-50.06	≤-18.91	PASS
11N20SISO	Ant1	Low	2412	0.39	-35.91	≤-19.61	PASS
		High	2462	-0.99	-50.29	≤-20.99	PASS
11N40SISO	Ant1	Low	2422	-0.51	-32.09	≤-20.51	PASS
		High	2452	-2.15	-48.86	≤-22.15	PASS

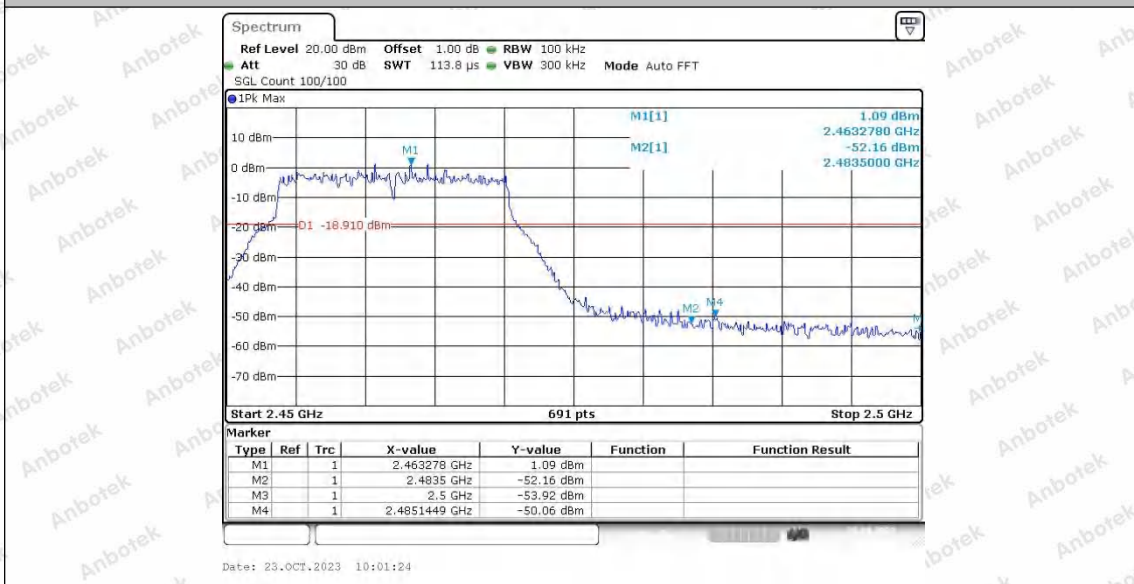


Test Graphs



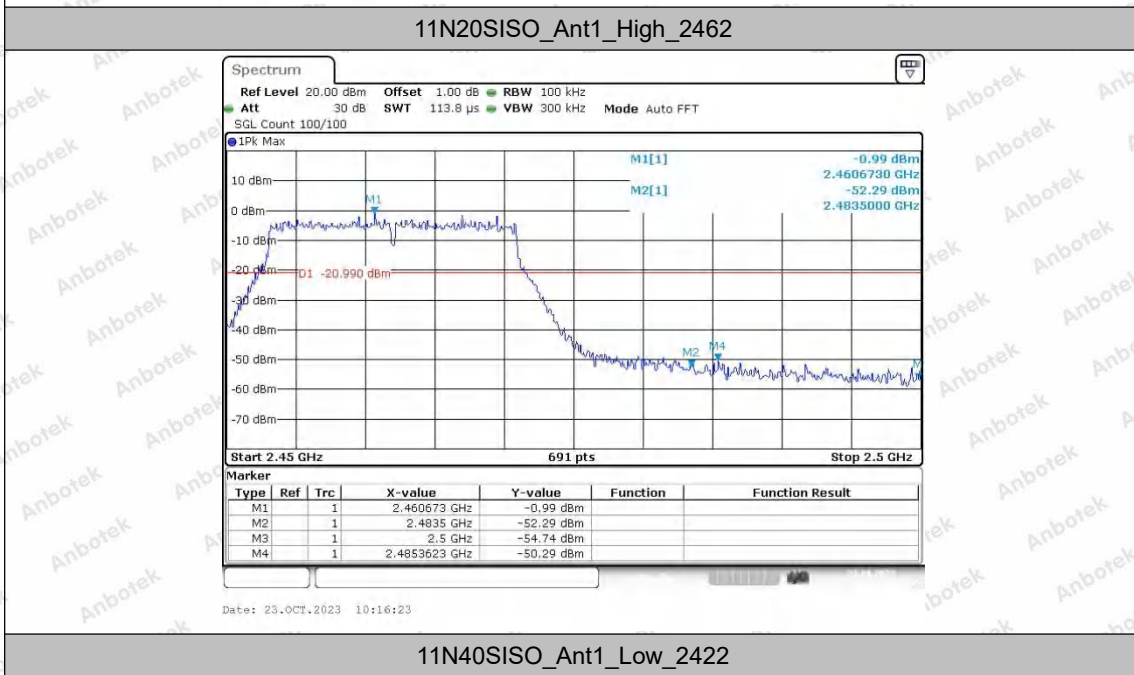
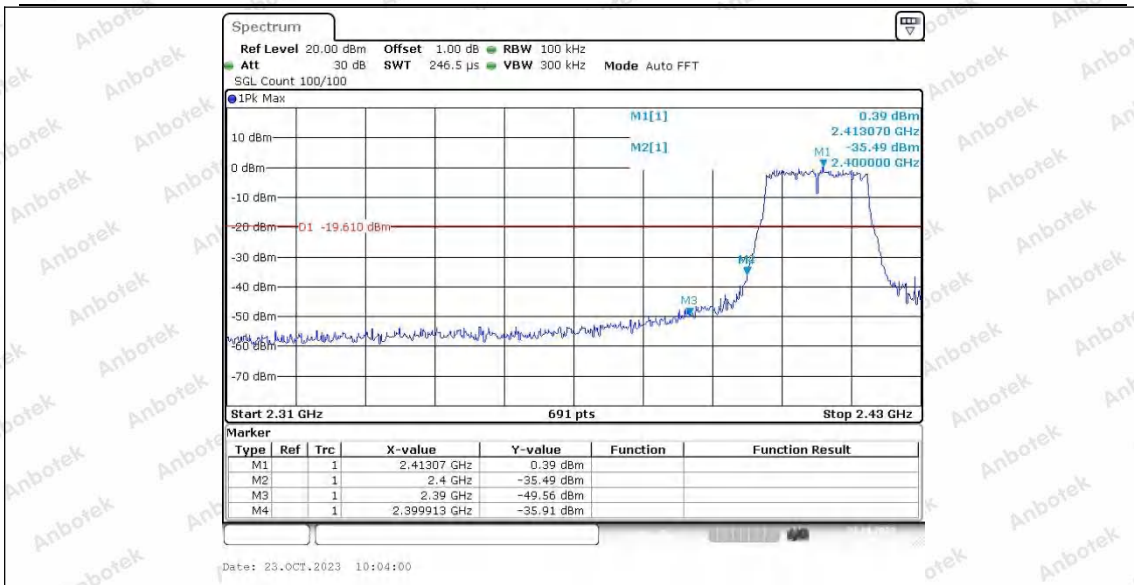


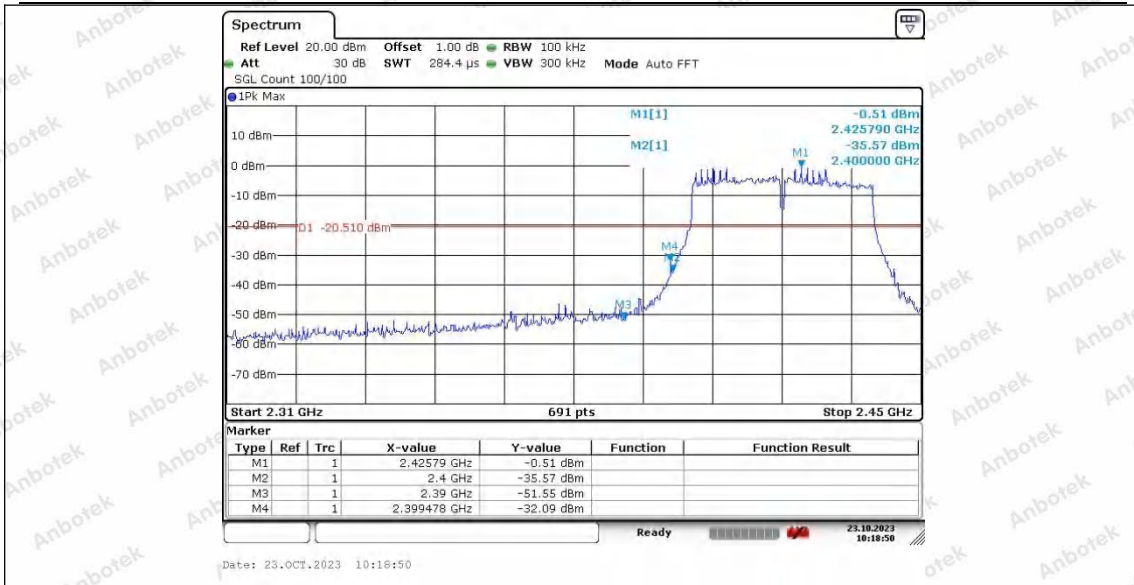
11G_Ant1_High_2462



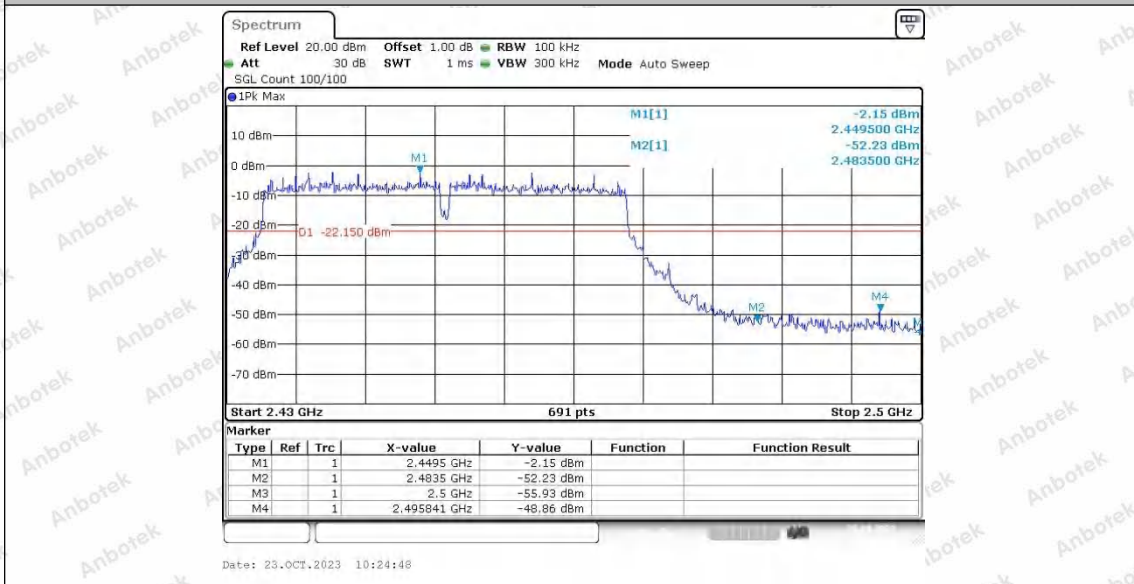
11N20SISO_Ant1_Low_2412







11N40SISO_Ant1_High_2452



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.34	8.34	---	PASS
			30~1000	8.34	-64.55	≤-11.66	PASS
			1000~26500	8.34	-34.02	≤-11.66	PASS
		2437	Reference	7.30	7.30	---	PASS
			30~1000	7.30	-68.76	≤-12.7	PASS
			1000~26500	7.30	-35.89	≤-12.7	PASS
		2462	Reference	5.98	5.98	---	PASS
			30~1000	5.98	-68.29	≤-14.02	PASS
			1000~26500	5.98	-37.95	≤-14.02	PASS
11G	Ant1	2412	Reference	4.13	4.13	---	PASS
			30~1000	4.13	-68.45	≤-15.87	PASS
			1000~26500	4.13	-50.47	≤-15.87	PASS
		2437	Reference	3.22	3.22	---	PASS
			30~1000	3.22	-68.7	≤-16.78	PASS
			1000~26500	3.22	-50.27	≤-16.78	PASS
		2462	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-69.11	≤-18.12	PASS
			1000~26500	1.88	-51.2	≤-18.12	PASS
11N20SISO	Ant1	2412	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-68.88	≤-16.89	PASS
			1000~26500	3.11	-50.06	≤-16.89	PASS
		2437	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-68.17	≤-18.99	PASS
			1000~26500	1.01	-49.88	≤-18.99	PASS
		2462	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-67.85	≤-19.13	PASS
			1000~26500	0.87	-54.76	≤-19.13	PASS
11N40SISO	Ant1	2422	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-62.55	≤-21.59	PASS
			1000~26500	-1.59	-50.06	≤-21.59	PASS
		2437	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-62.59	≤-21.5	PASS
			1000~26500	-1.50	-50.04	≤-21.5	PASS
		2452	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-63.44	≤-22.7	PASS
			1000~26500	-2.70	-50.44	≤-22.7	PASS

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Test Graphs

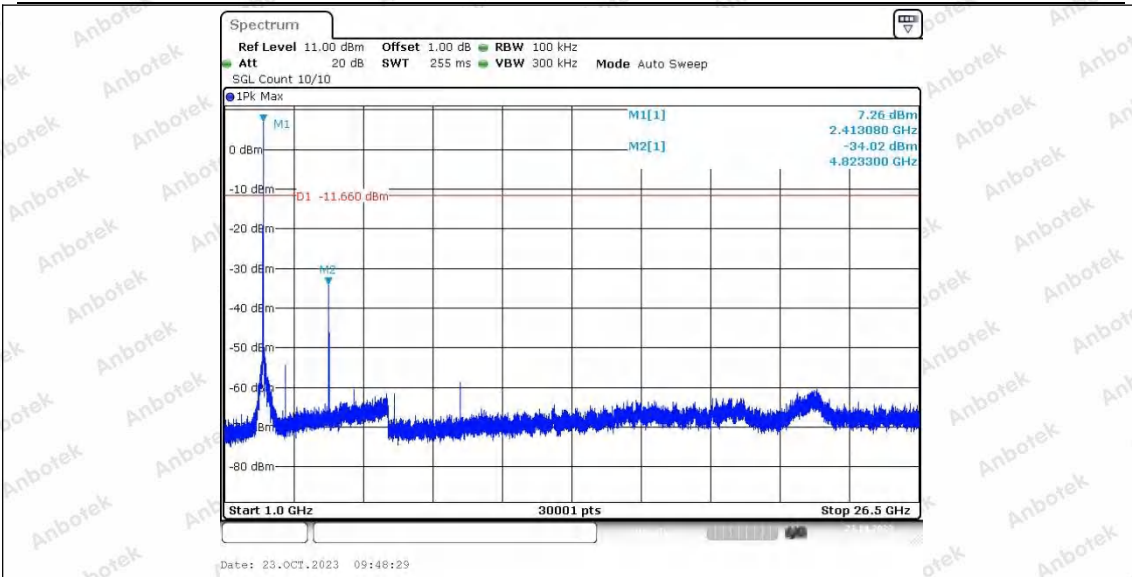


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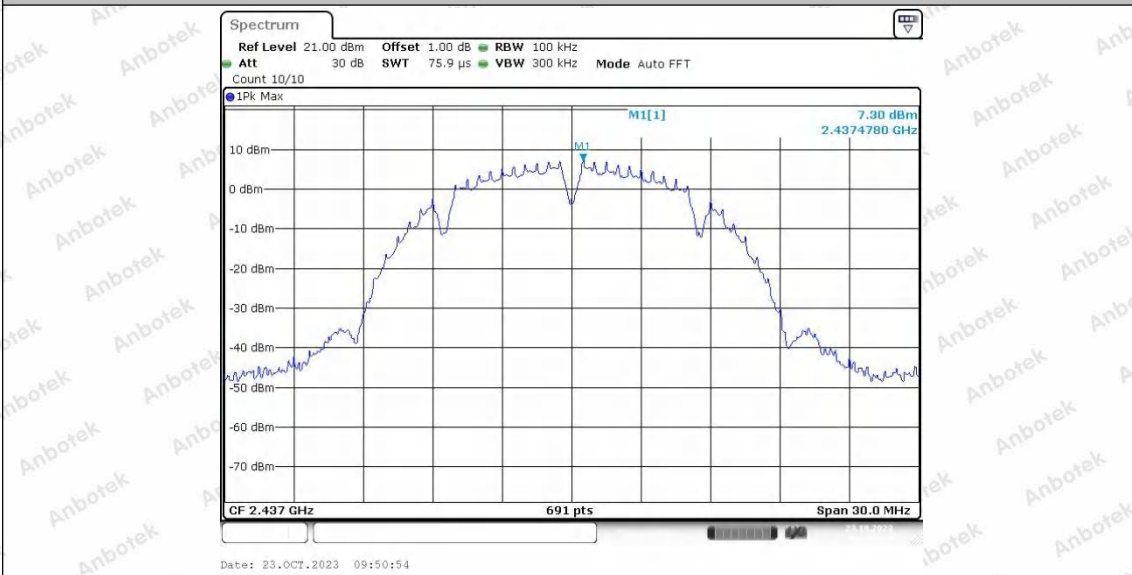
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11B_Ant1_2437_0~Reference



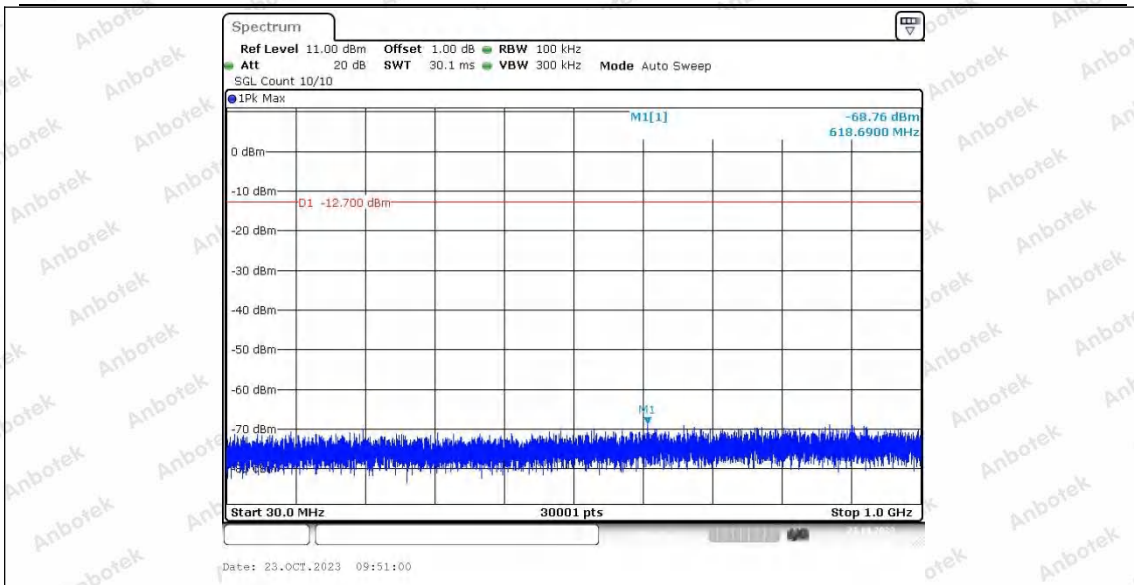
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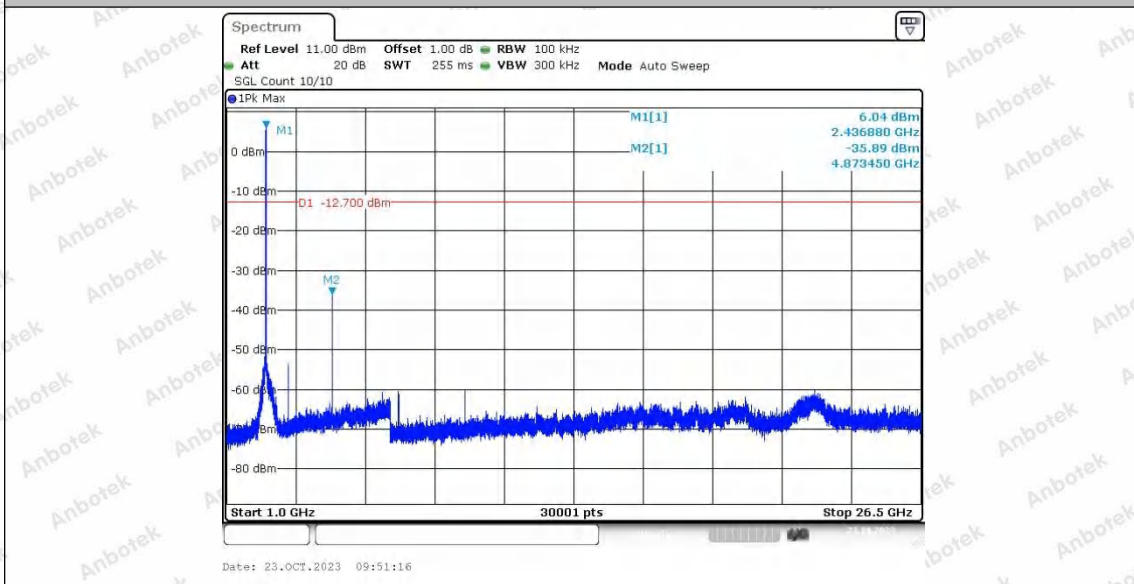
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

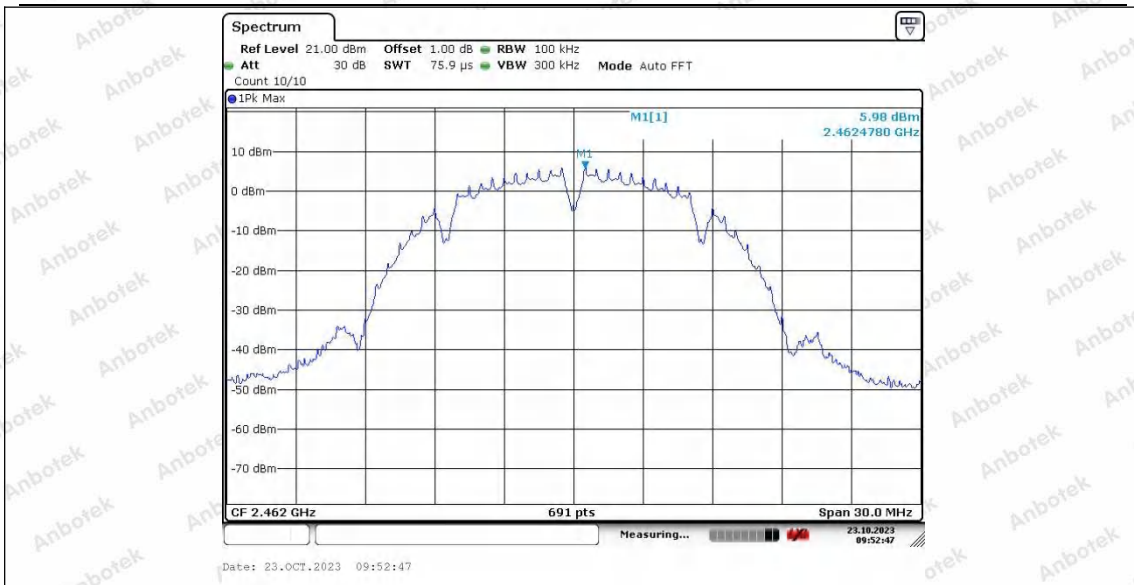
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

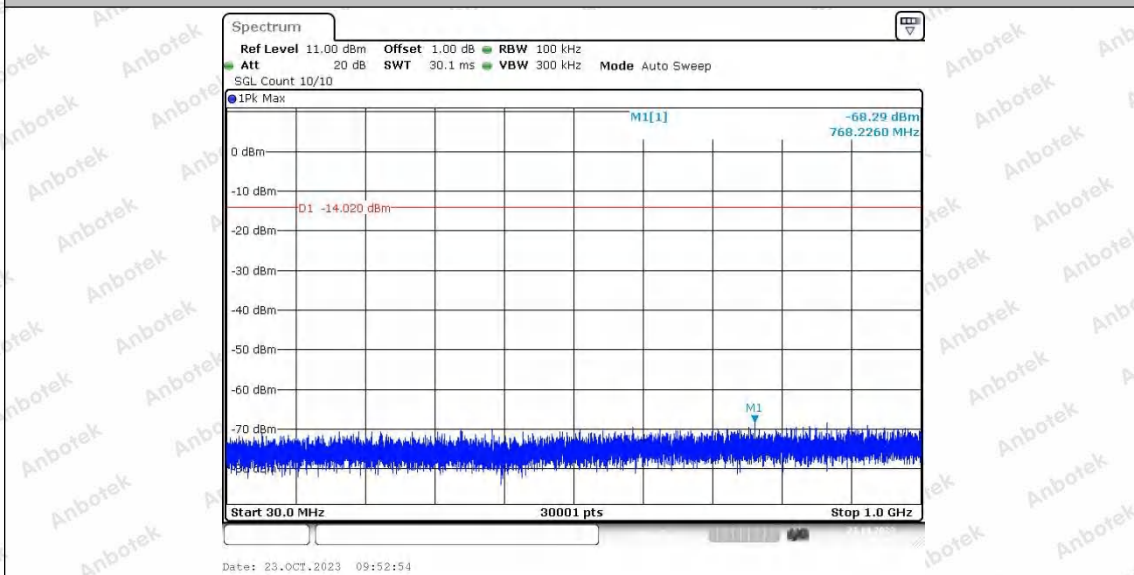


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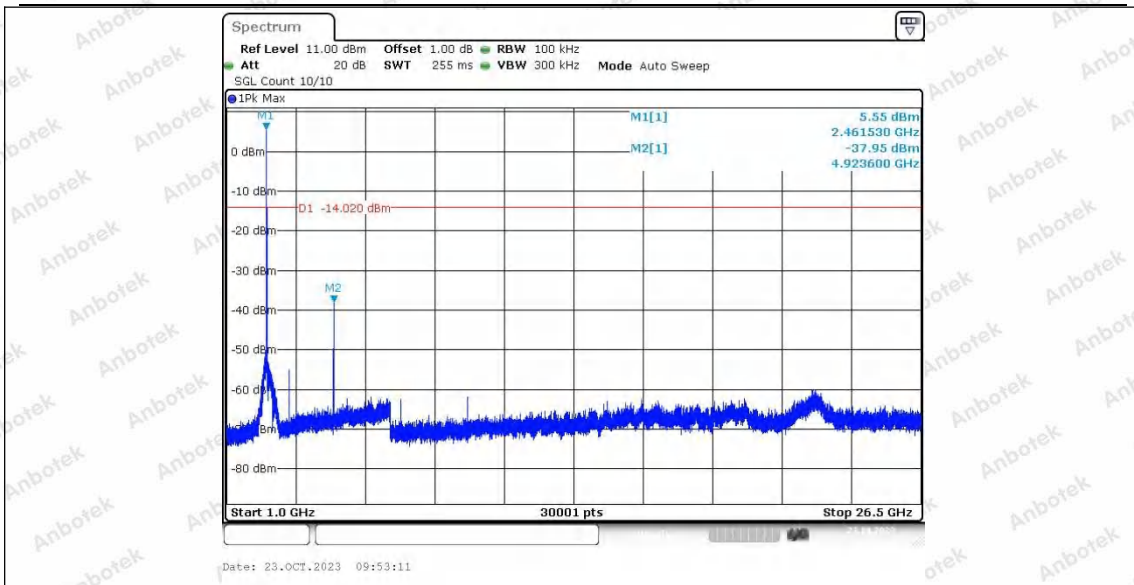


11B_Ant1_2462_30~1000

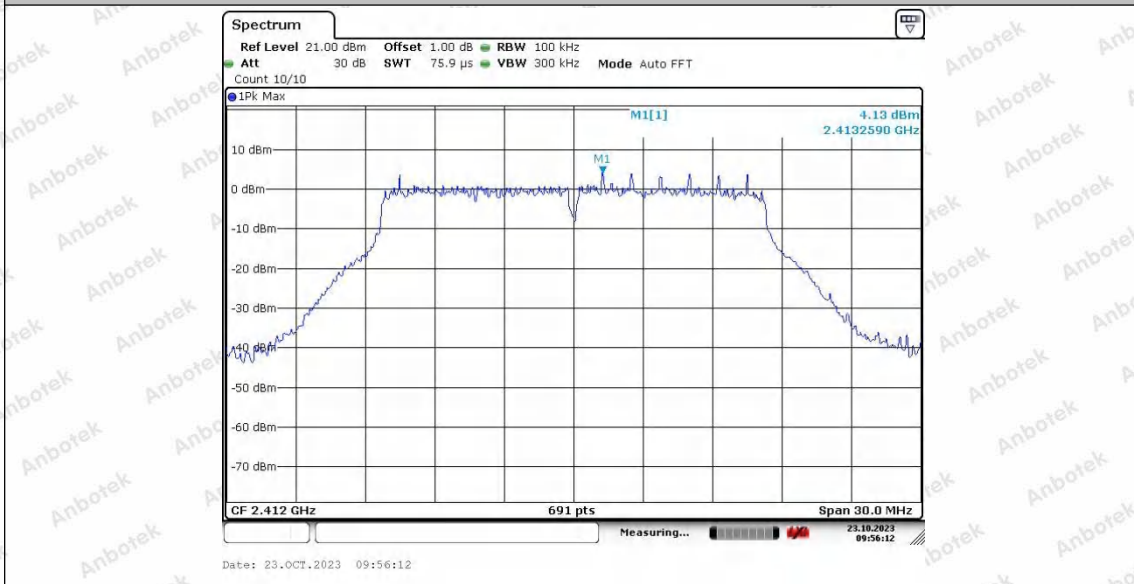


11B_Ant1_2462_1000~26500





11G_Ant1_2412_0~Reference



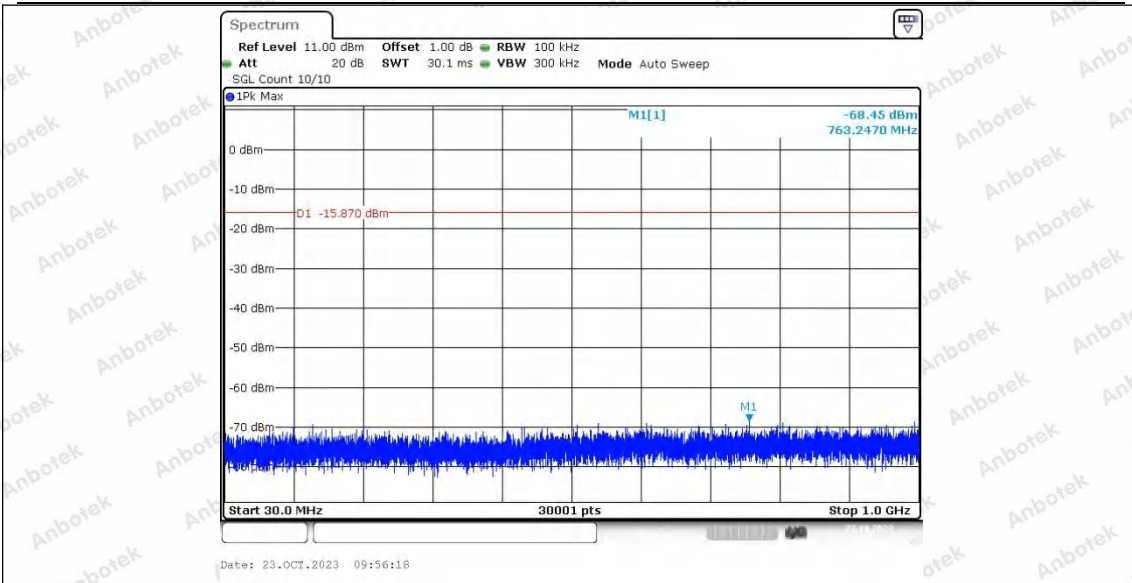
11G_Ant1_2412_30~1000

Shenzhen Anbotek Compliance Laboratory Limited

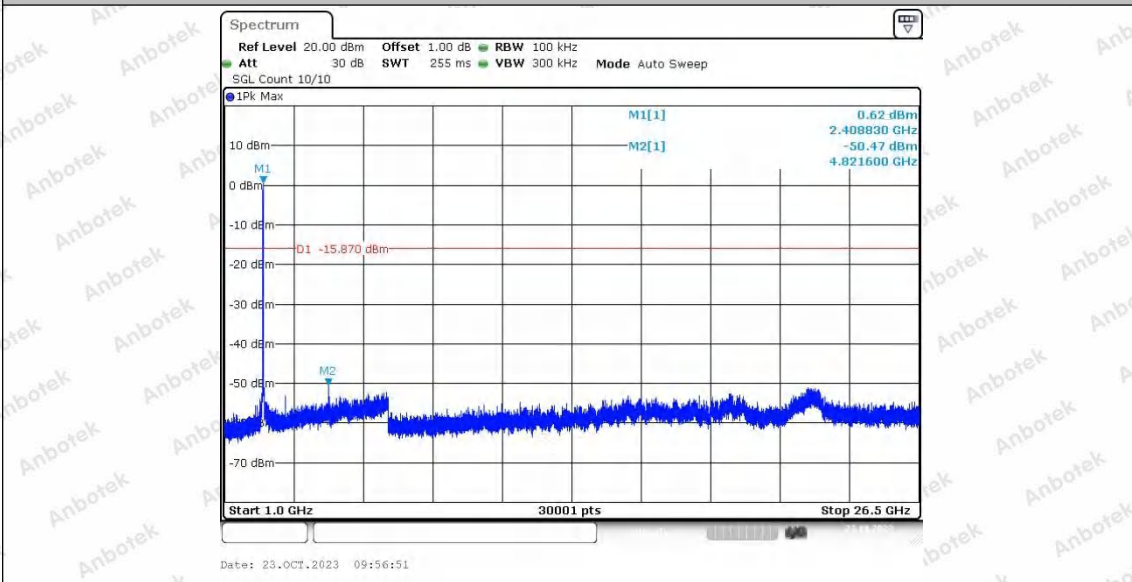
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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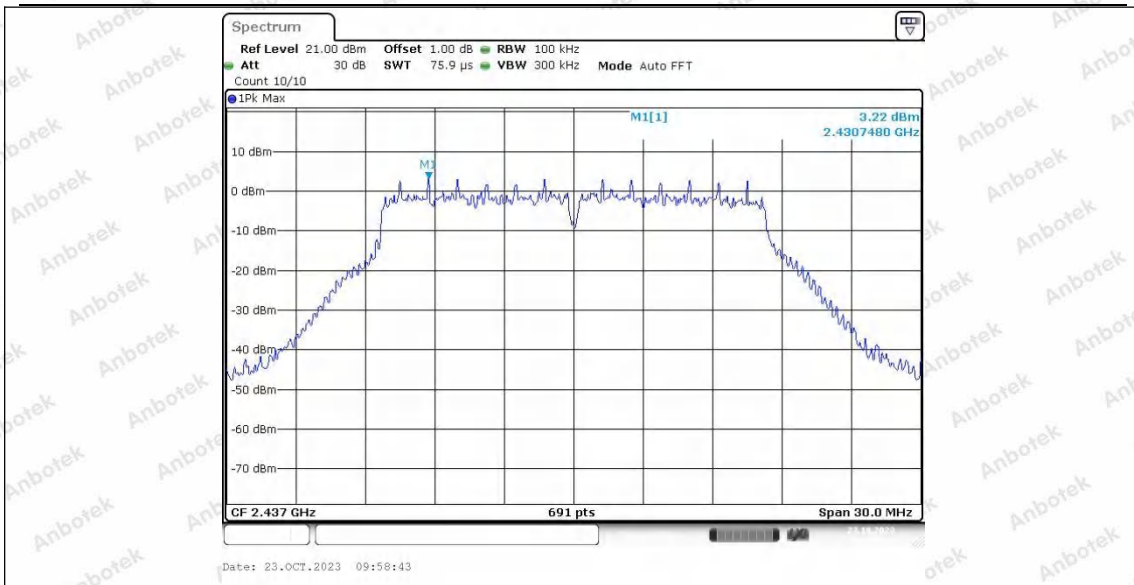


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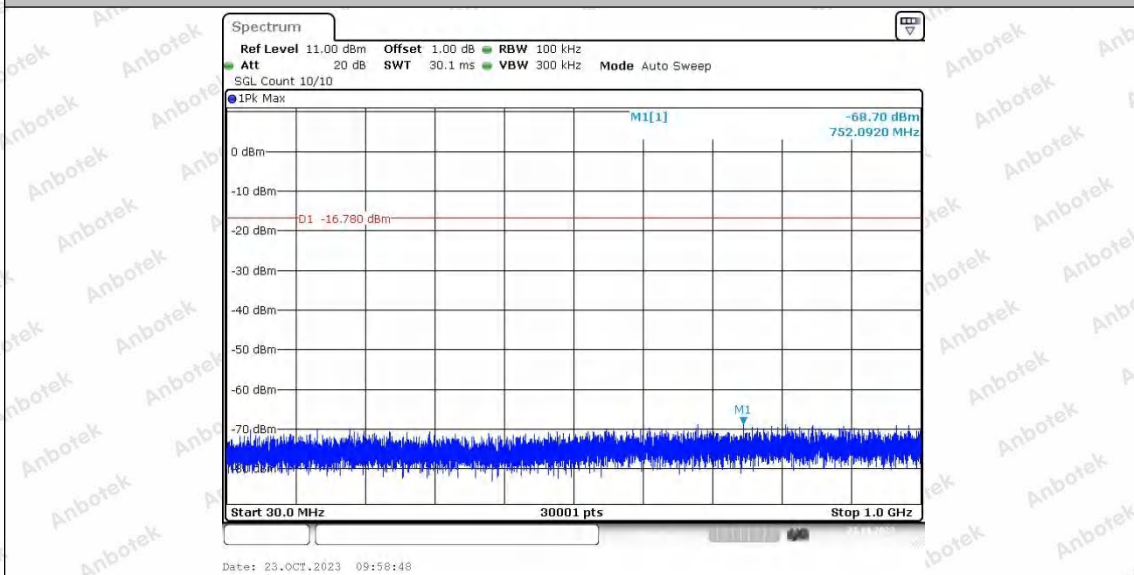


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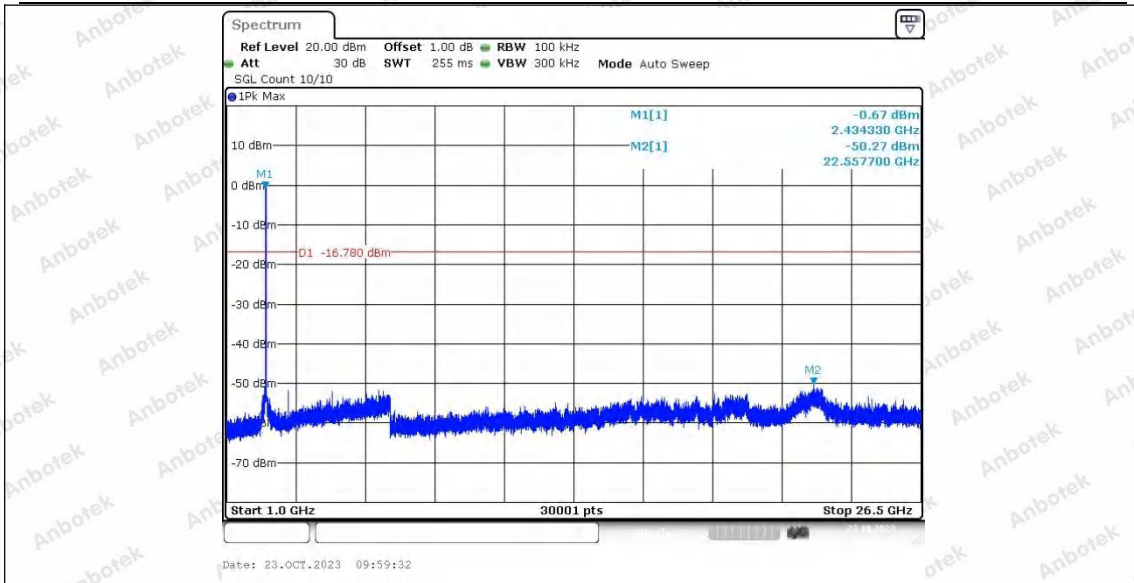


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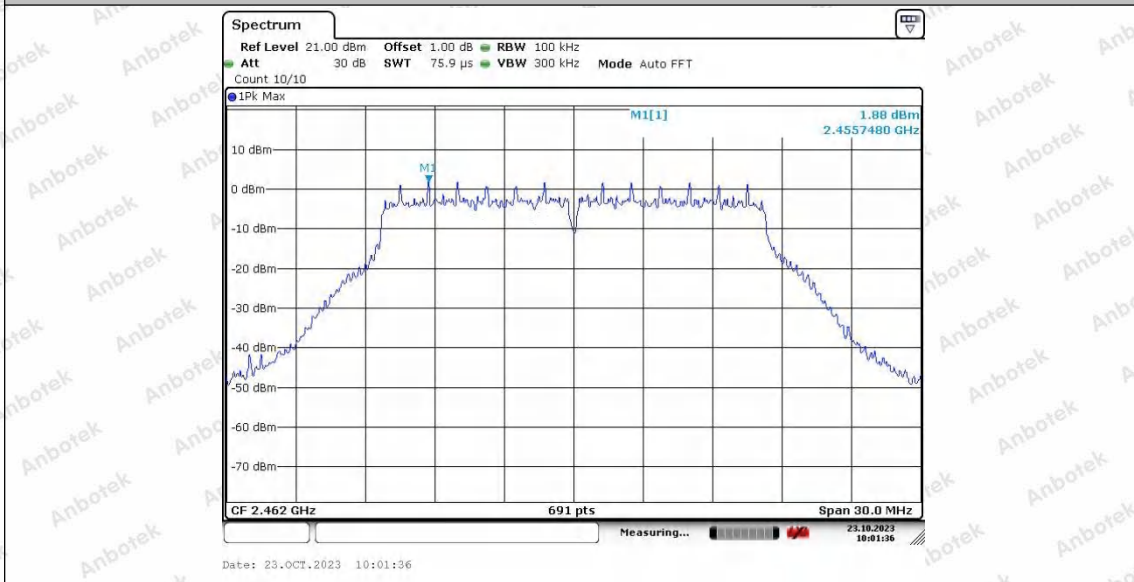


11G_Ant1_2437_1000~26500





11G_Ant1_2462_0~Reference



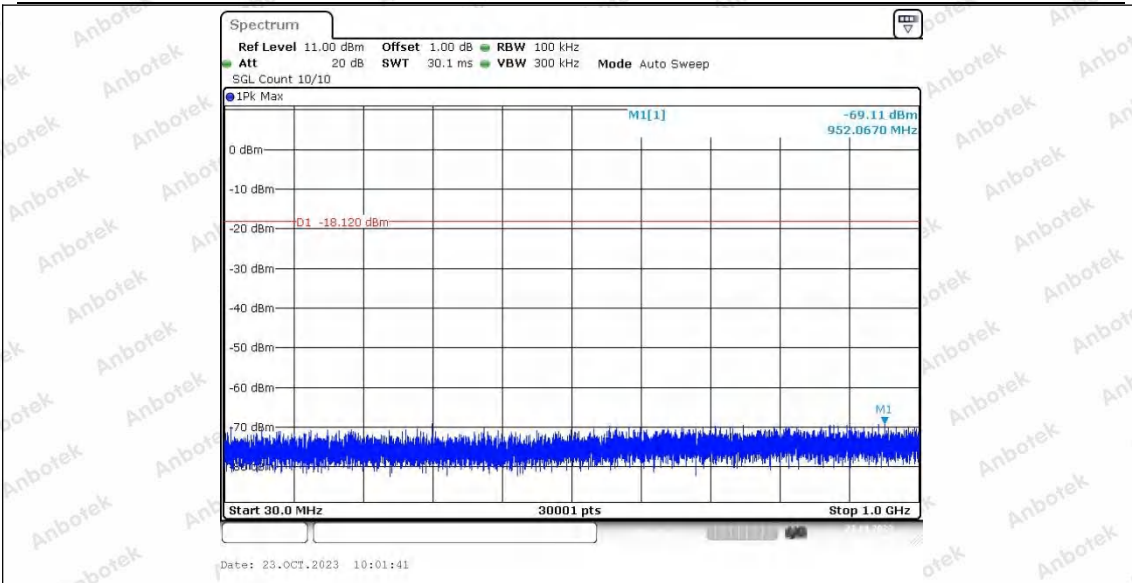
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Shenzhen Anbotek Compliance Laboratory Limited

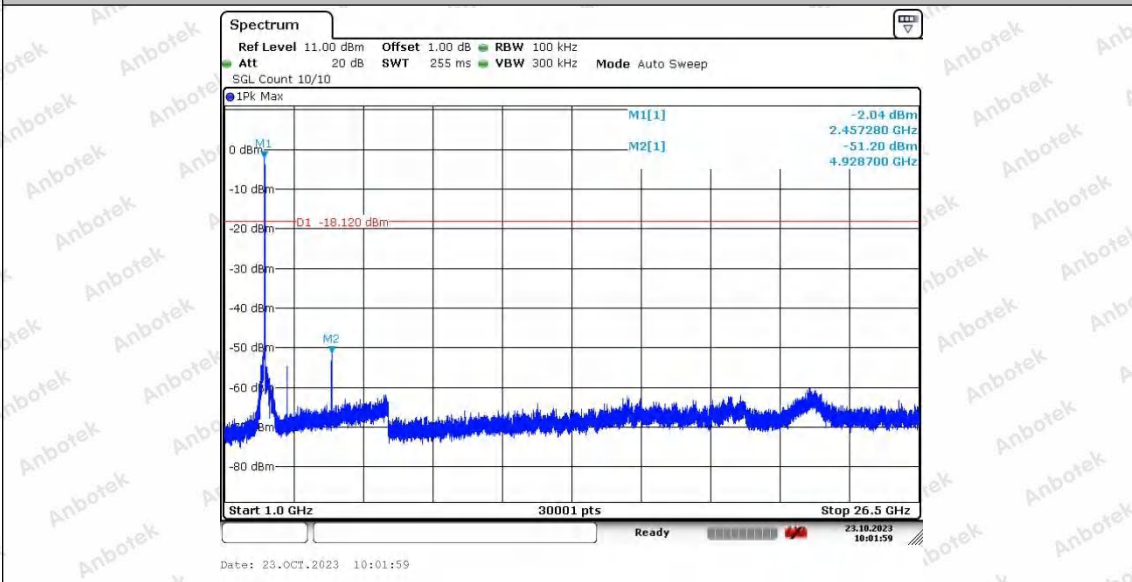
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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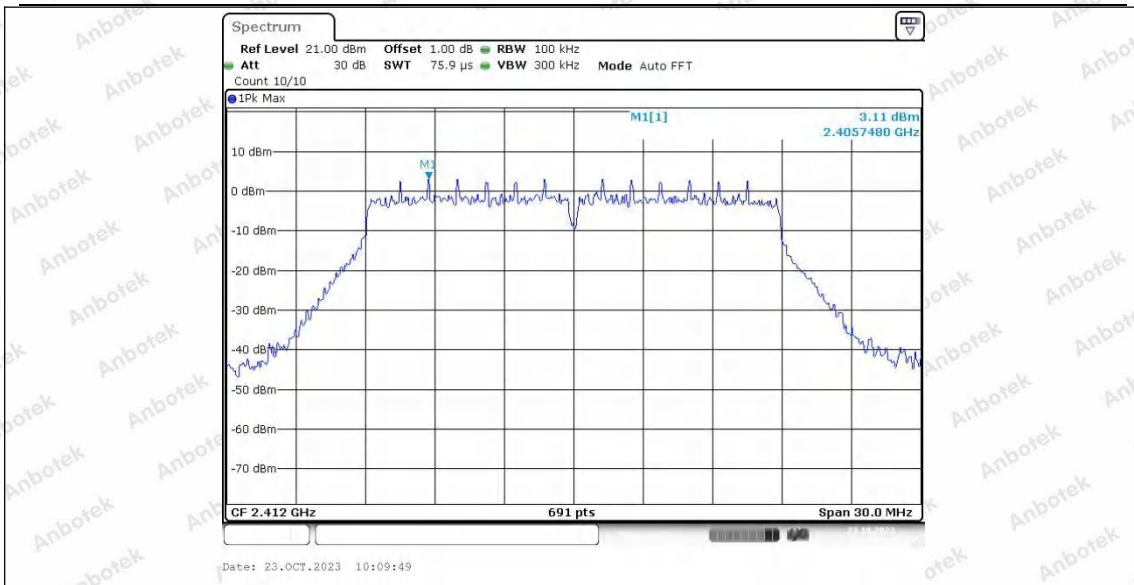


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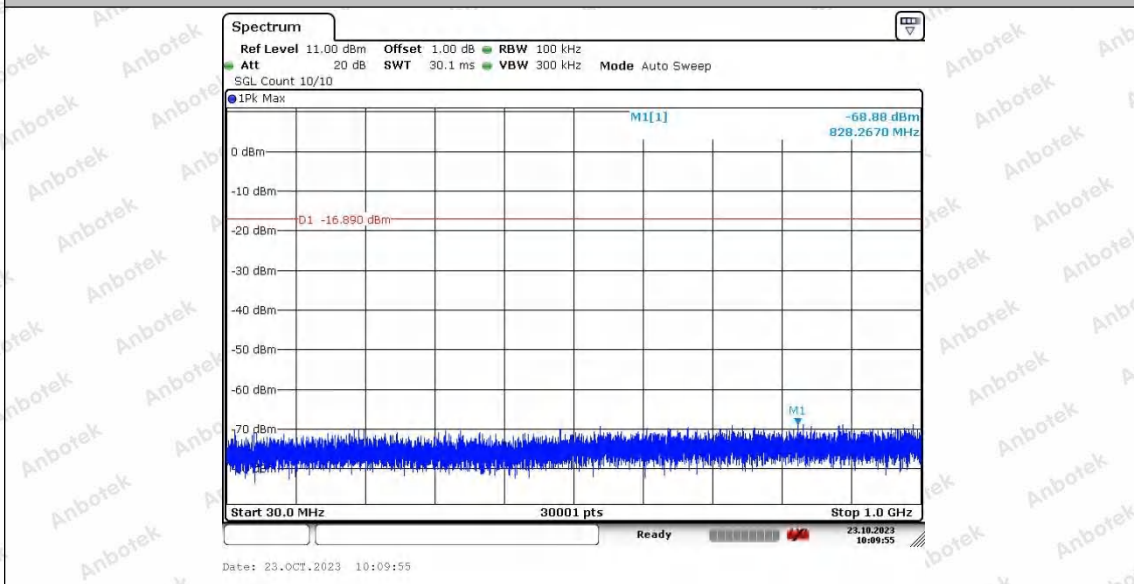


11N20SISO_Ant1_2412_0~Reference





11N20SISO_Ant1_2412_30~1000



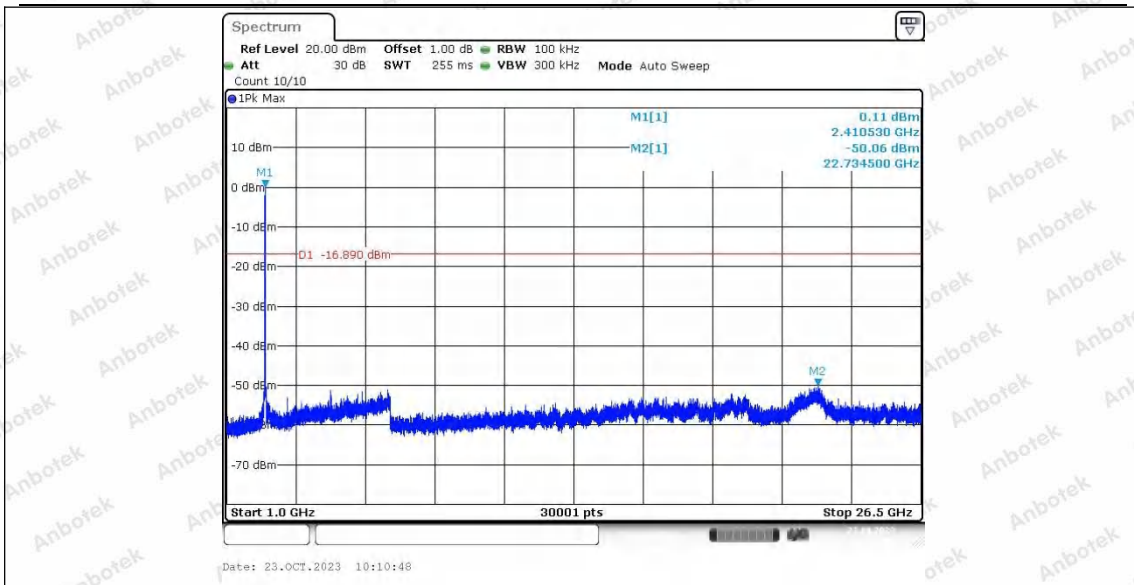
11N20SISO_Ant1_2412_1000~26500

Shenzhen Anbotek Compliance Laboratory Limited

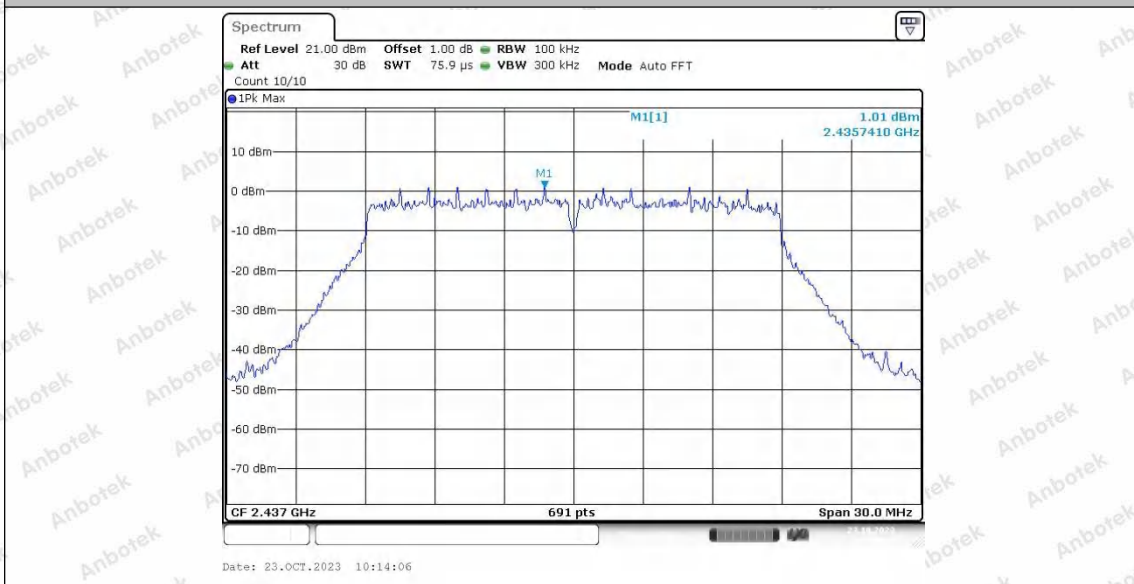
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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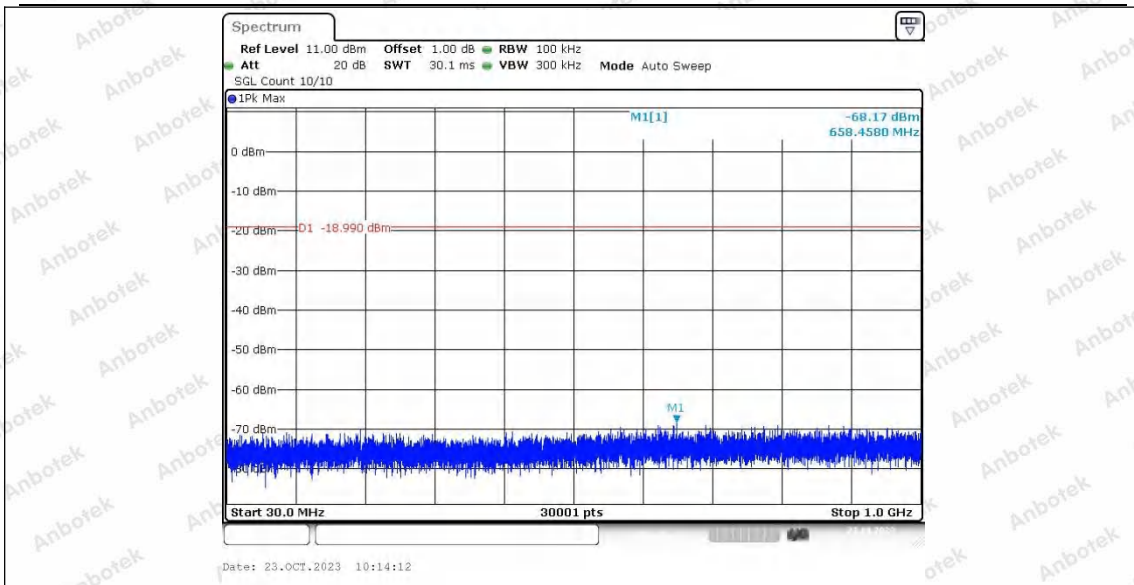


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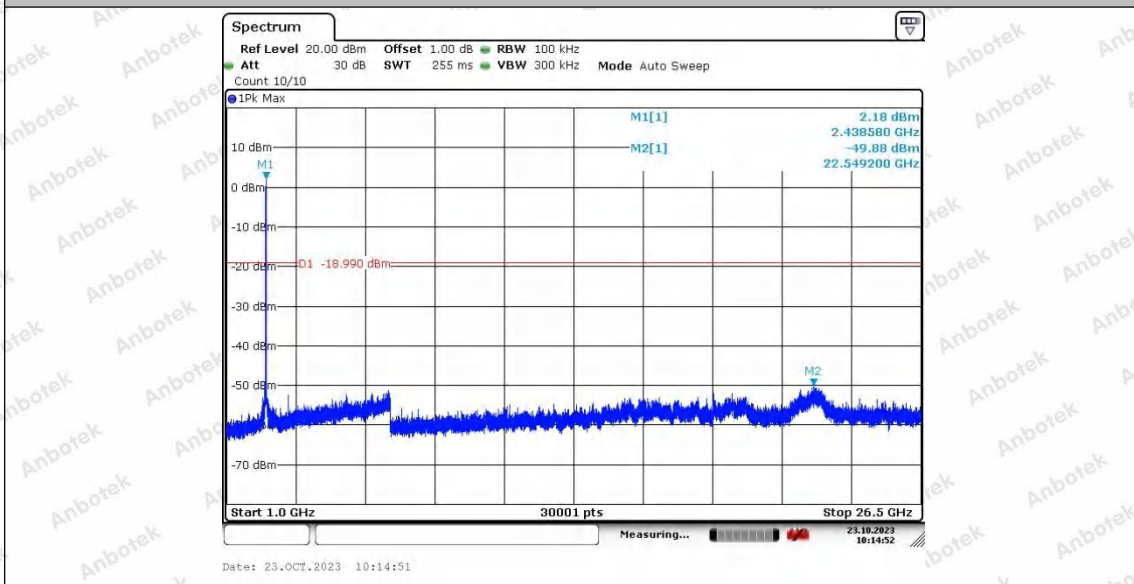


11N20SISO_Ant1_2437_30~100





11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

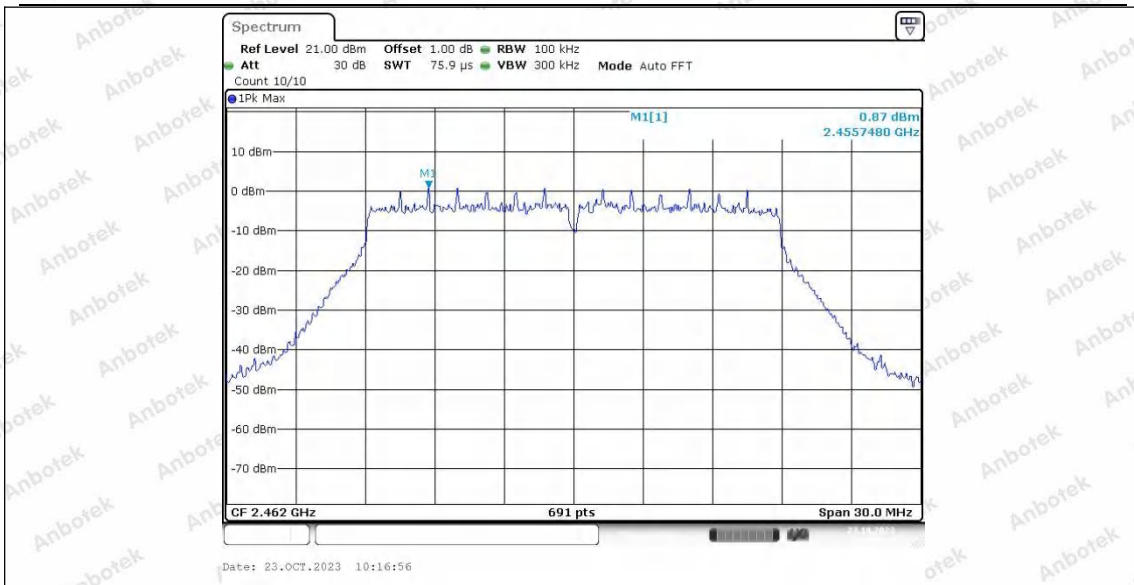
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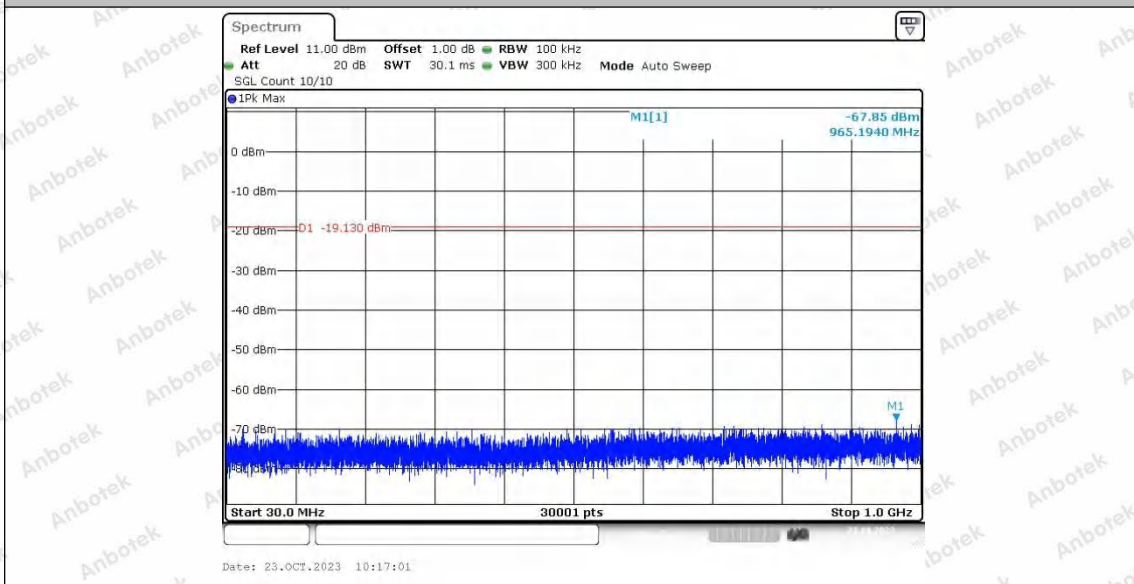


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11N20SISO_Ant1_2462_30~1000



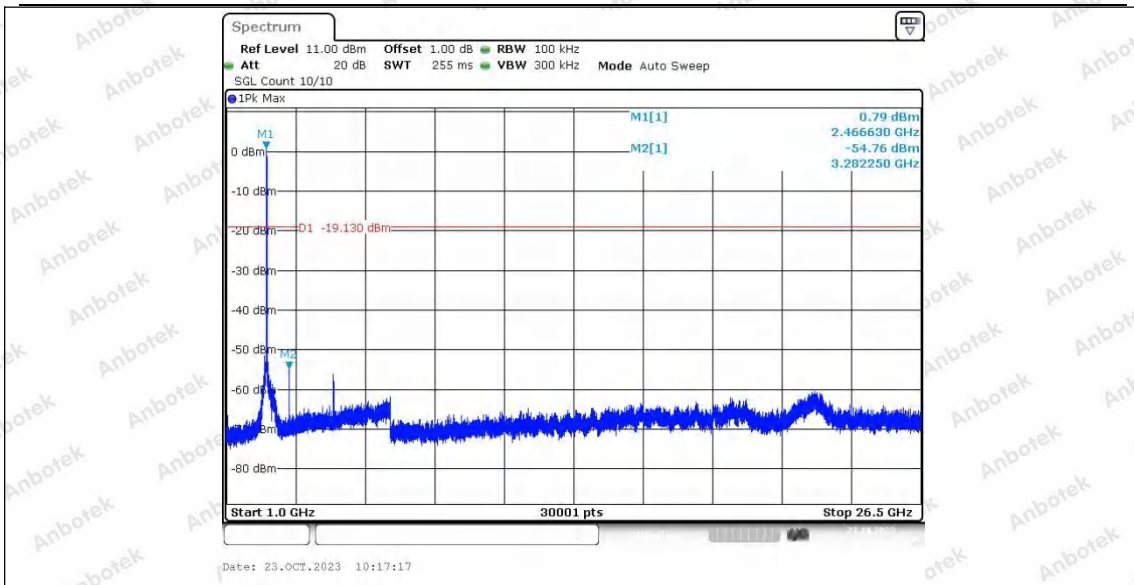
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Shenzhen Anbotek Compliance Laboratory Limited

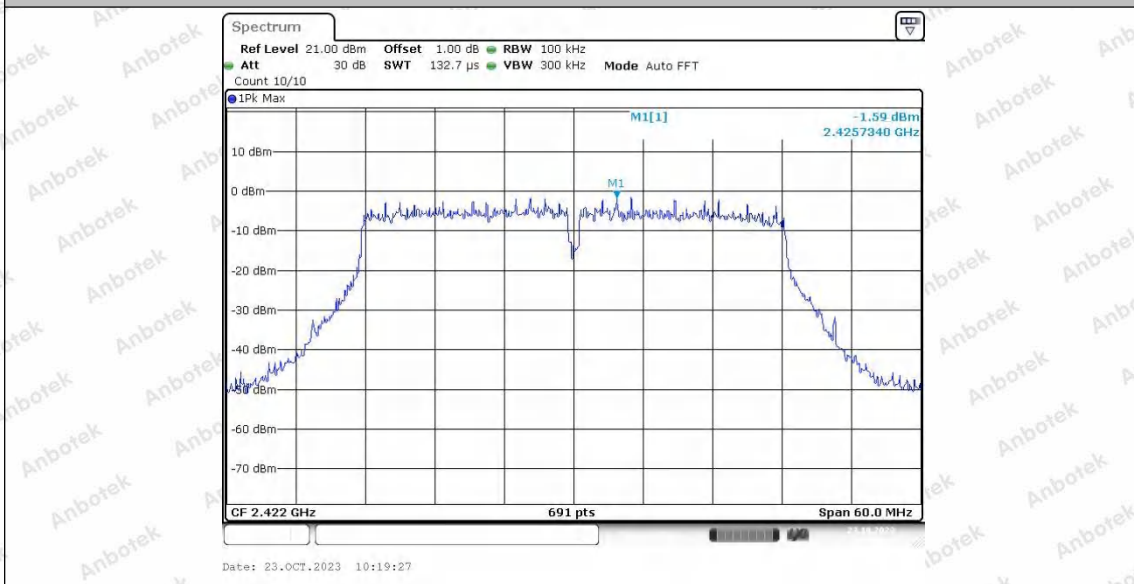
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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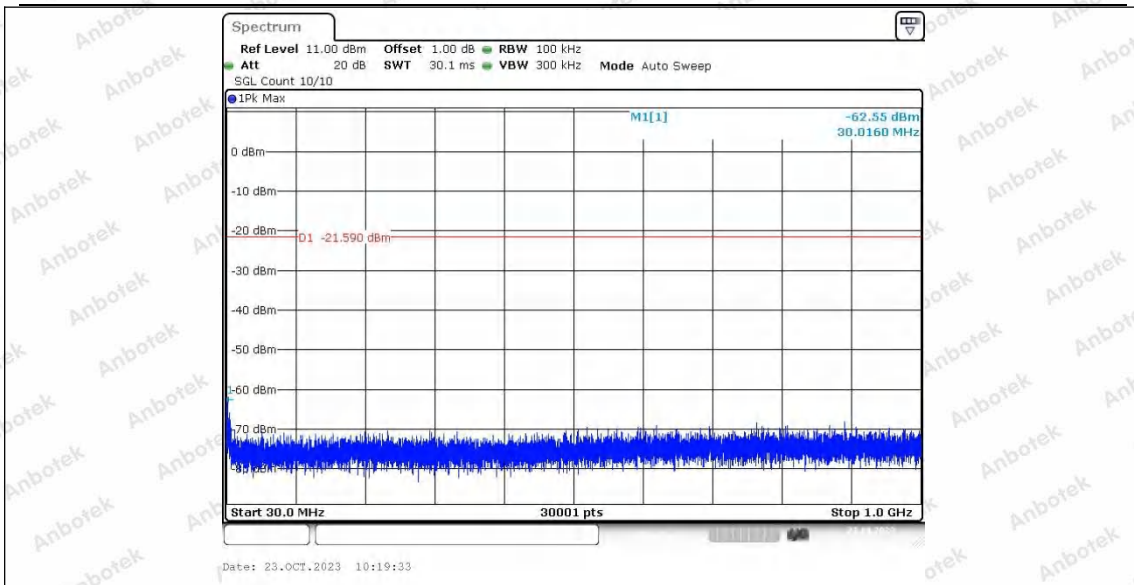


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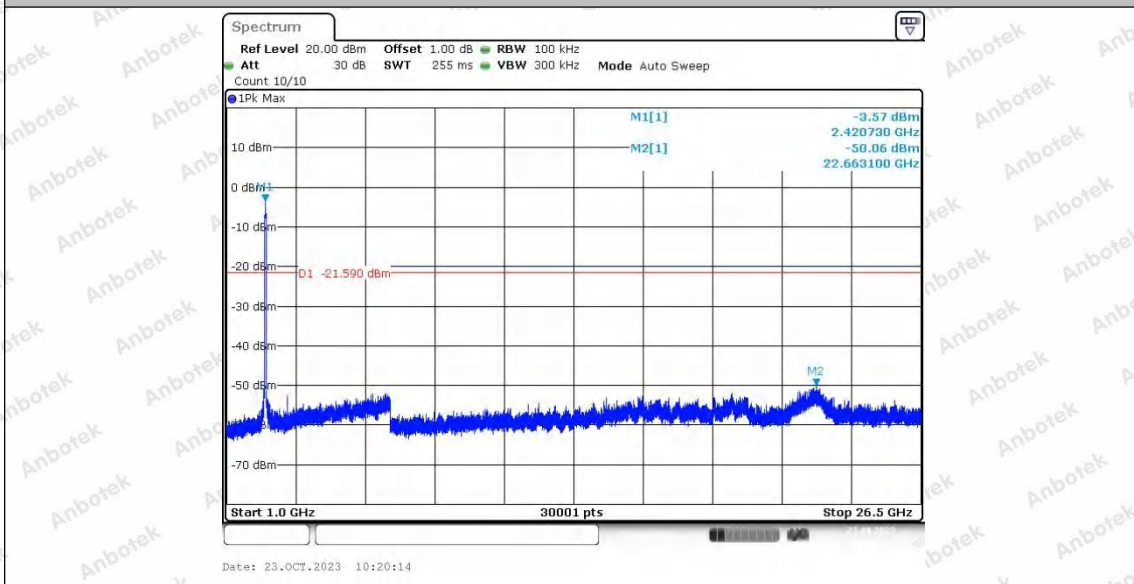


11N40SISO_Ant1_2422_30~1000





11N40SISO_Ant1_2422_1000~26500



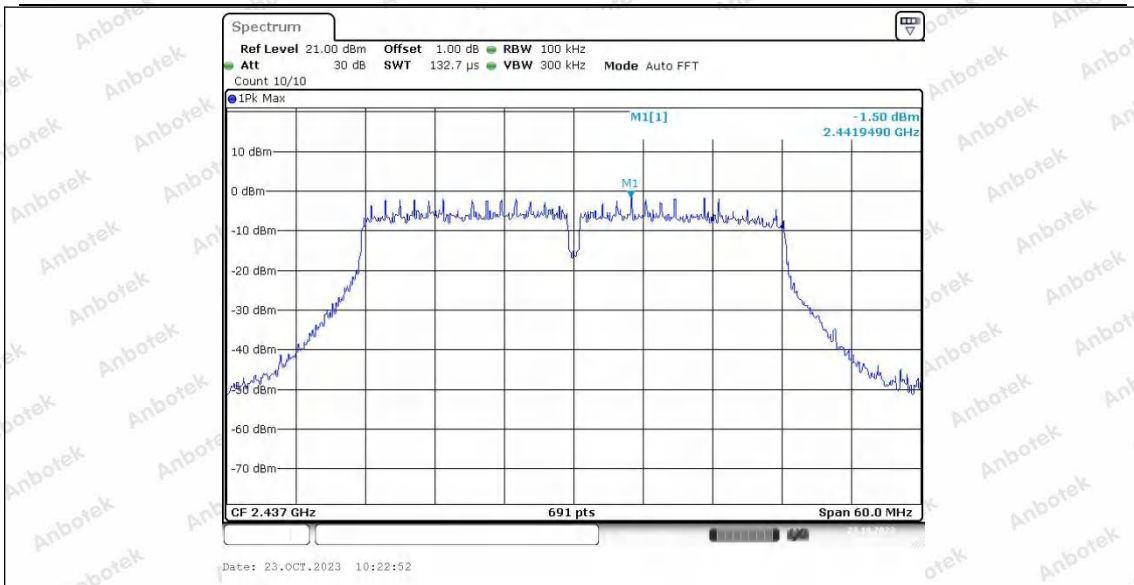
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Shenzhen Anbotek Compliance Laboratory Limited

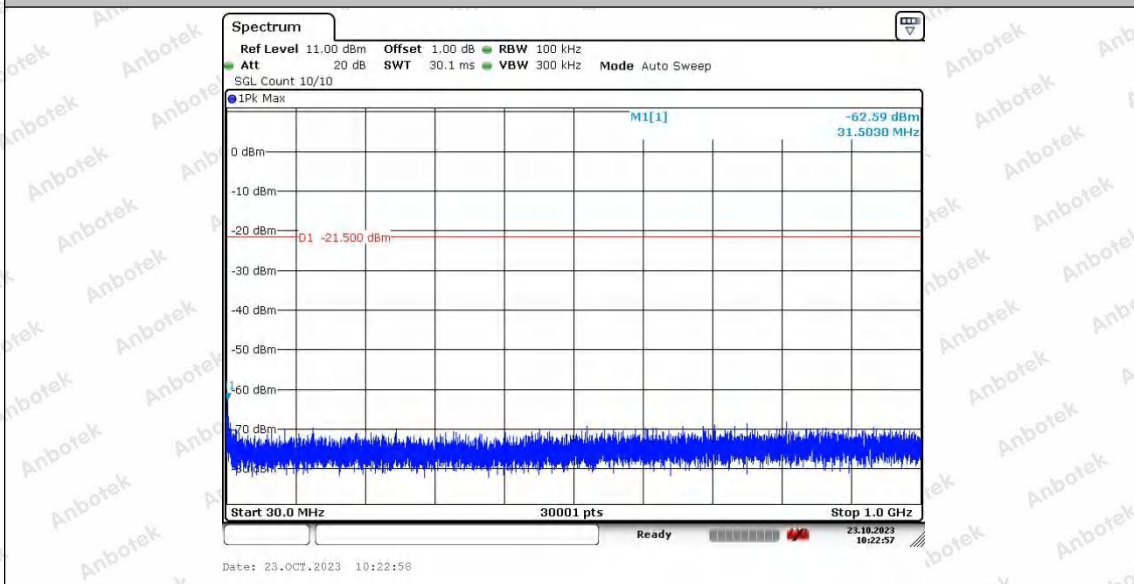
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500

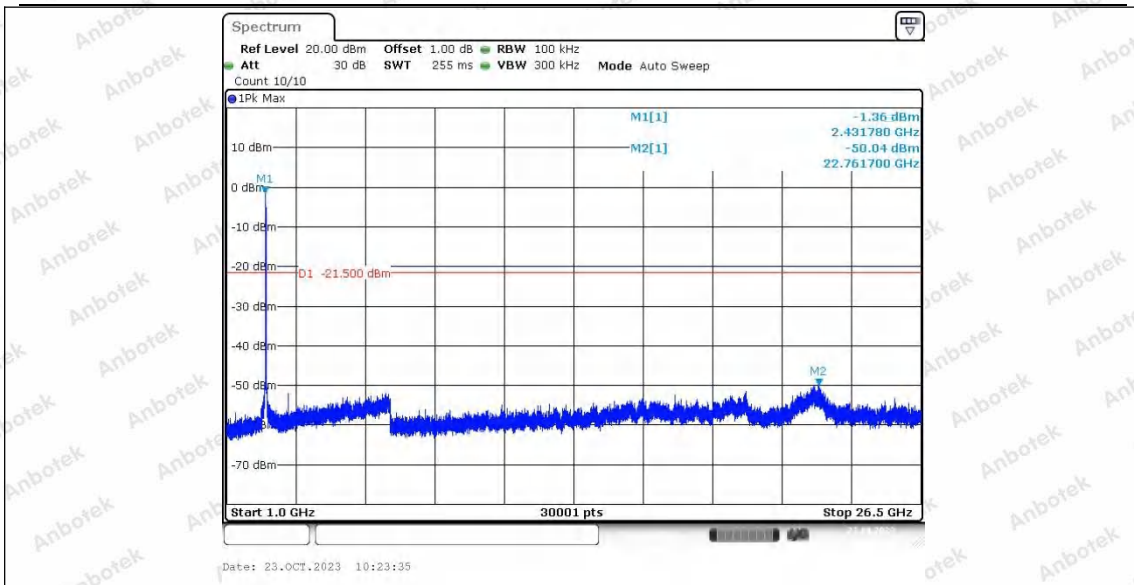
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

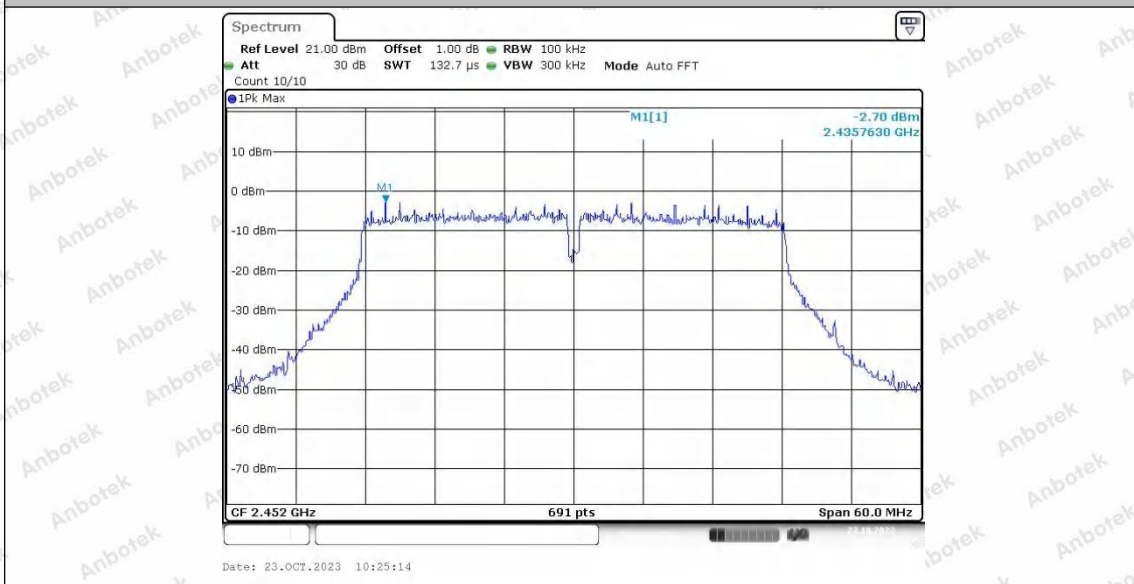


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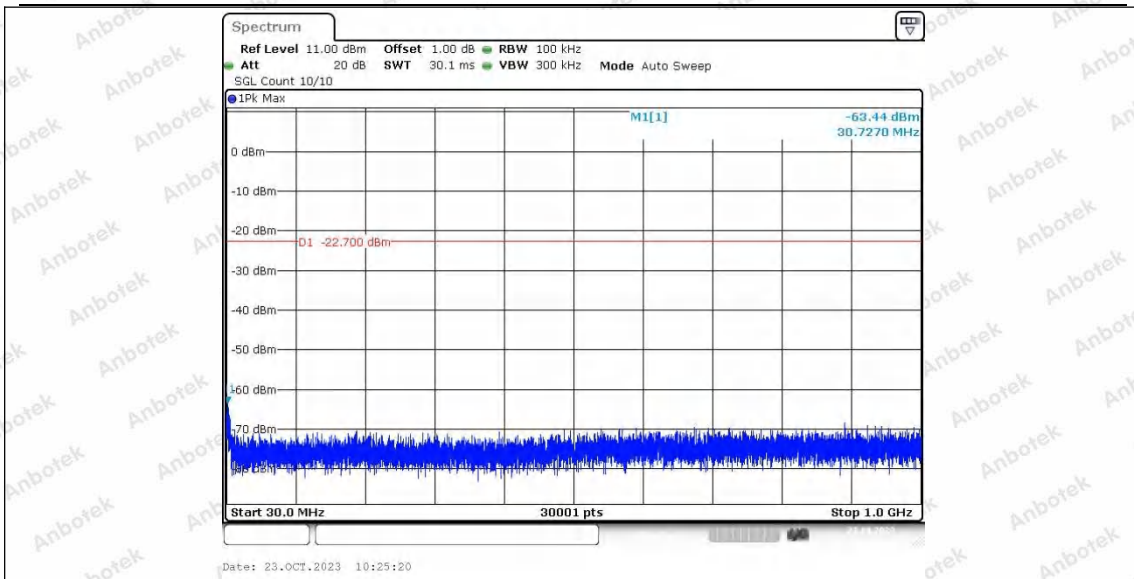


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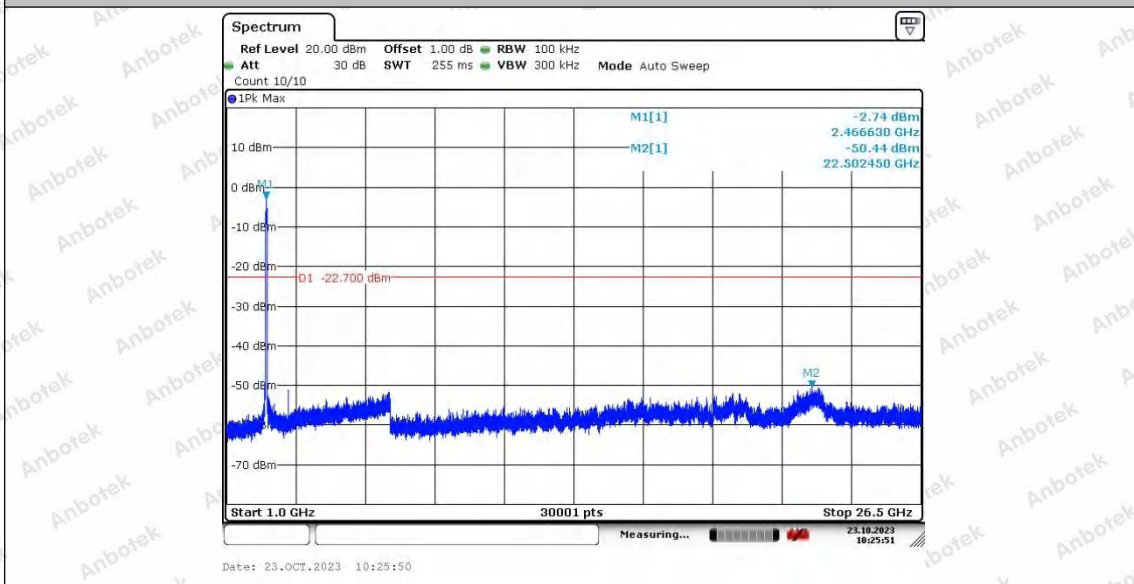


11N40SISO_Ant1_2452_30~1000





11N40SIS0_Ant1_2452_1000~26500



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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.59	1.80	32.78	4.84
		2437	0.59	1.81	32.60	4.87
		2462	0.59	1.81	32.60	4.87
11G	Ant1	2412	0.58	1.78	32.58	4.87
		2437	0.58	1.78	32.58	4.87
		2462	0.58	1.78	32.58	4.87
11N20SISO	Ant1	2412	0.56	1.76	31.82	4.97
		2437	0.55	1.76	31.25	5.05
		2462	0.55	1.76	31.25	5.05
11N40SISO	Ant1	2422	0.58	1.78	32.58	4.87
		2437	0.58	1.79	32.40	4.89
		2452	0.57	1.78	32.02	4.95

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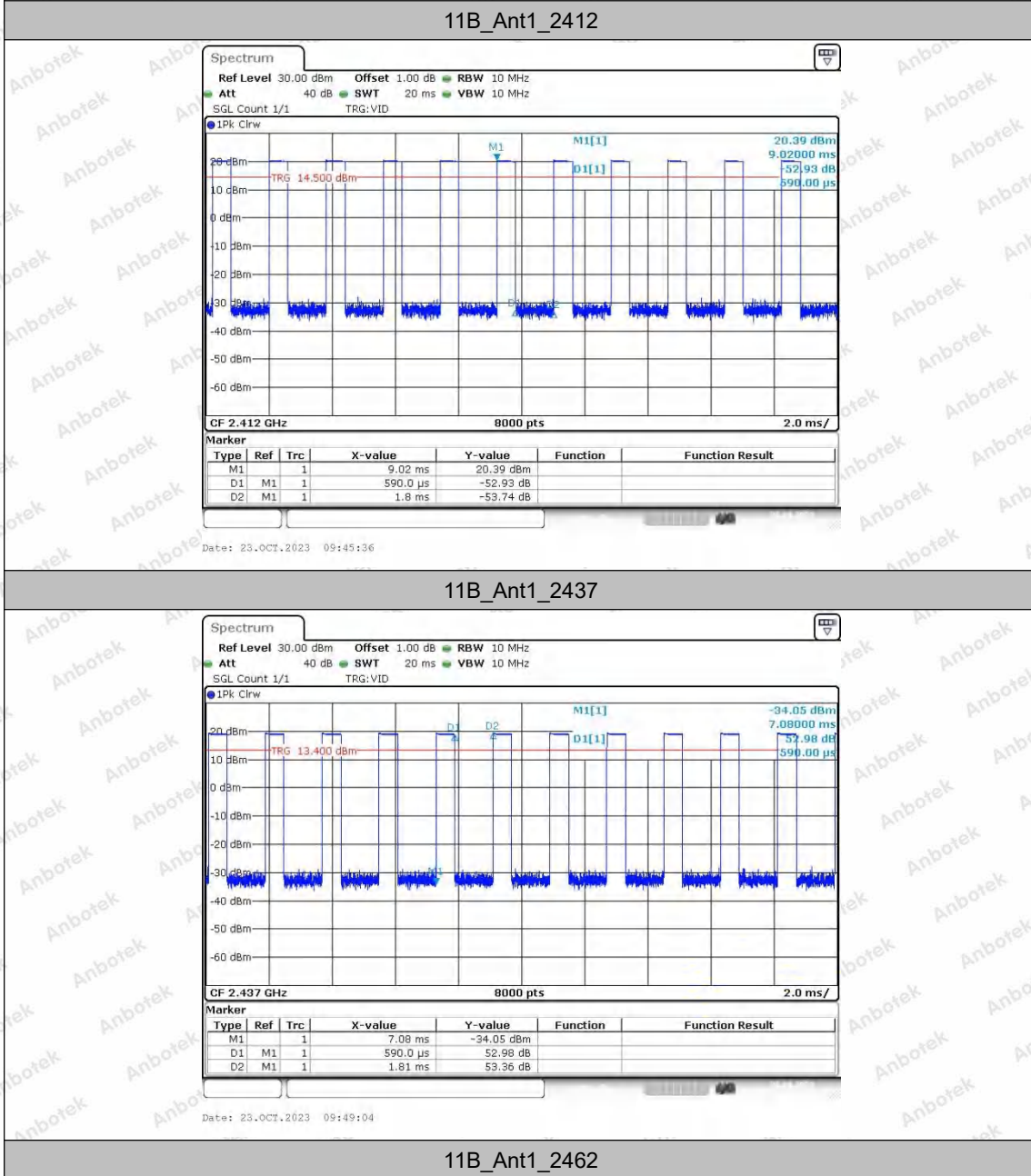
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

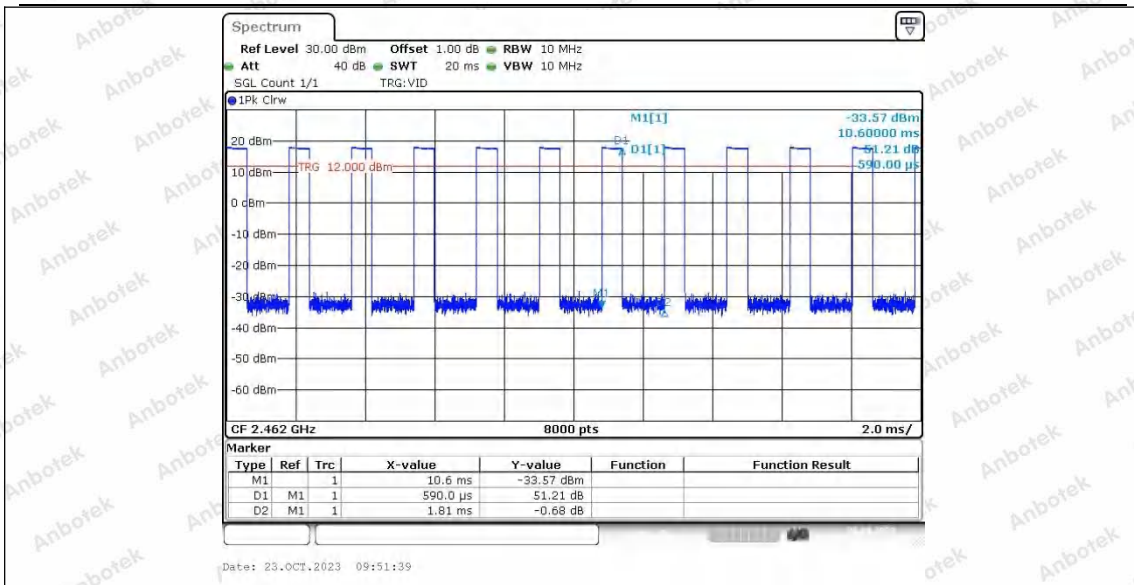


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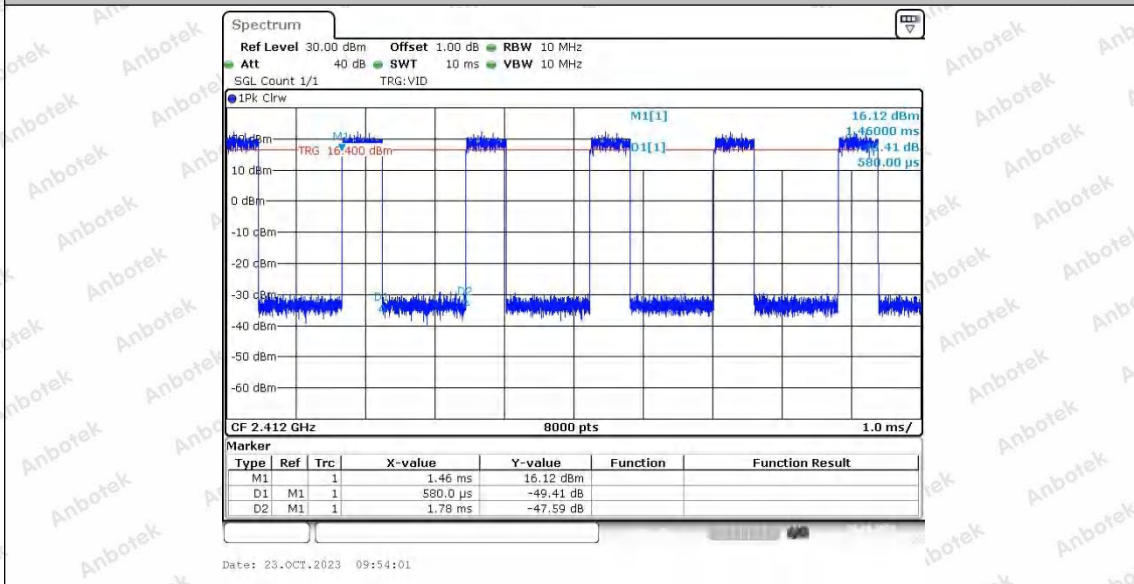


Test Graphs



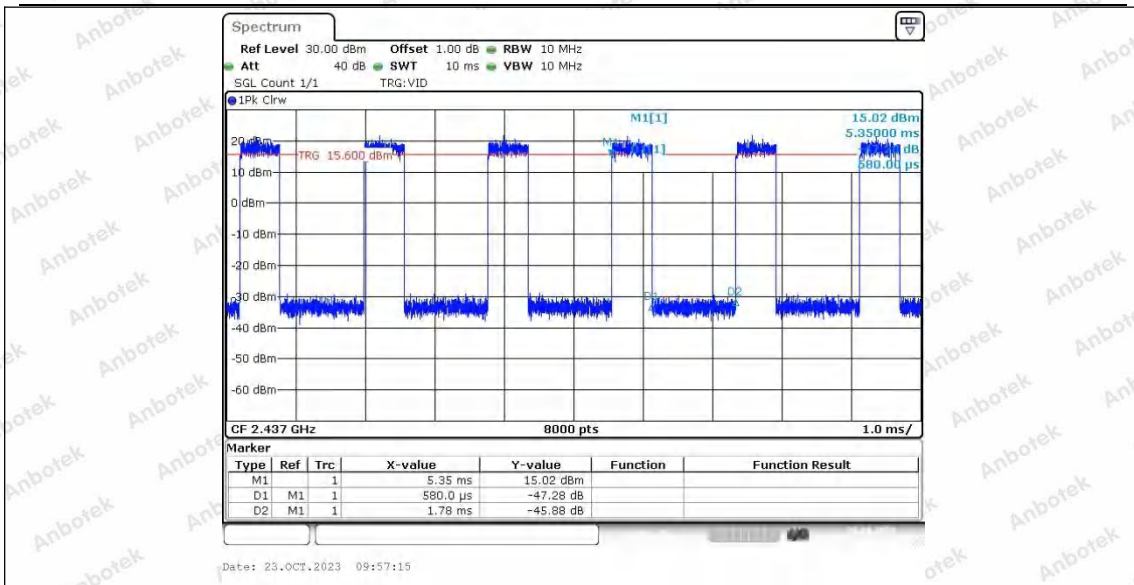


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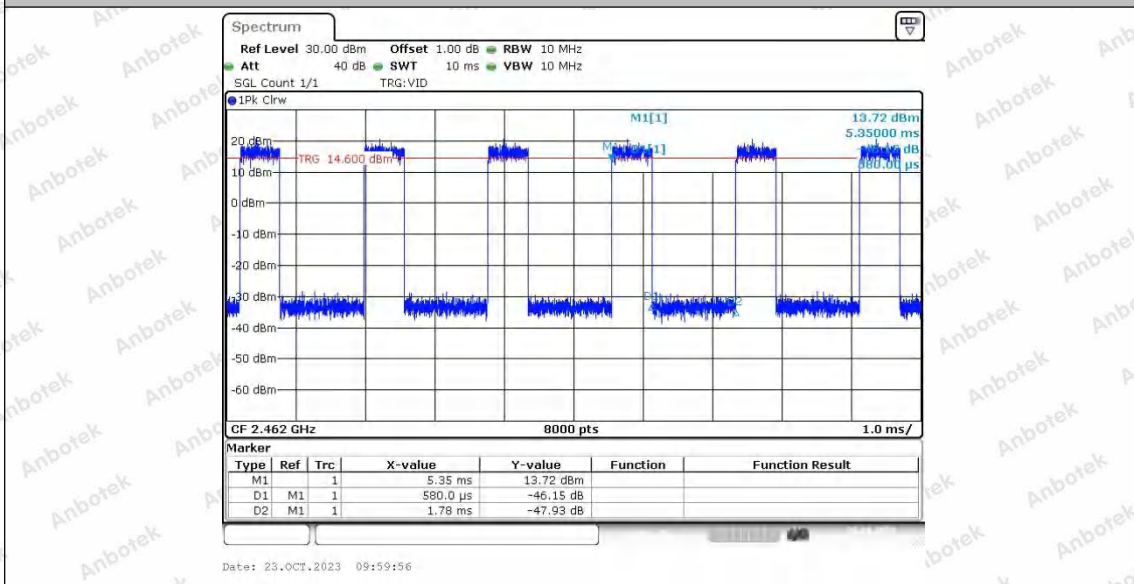


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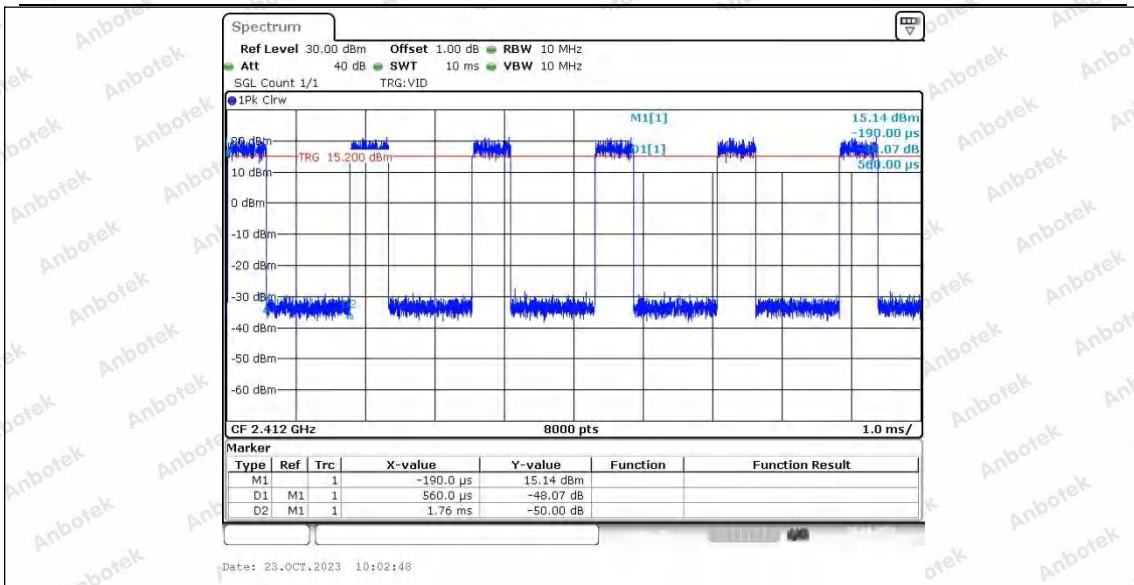


11G_Ant1_2462

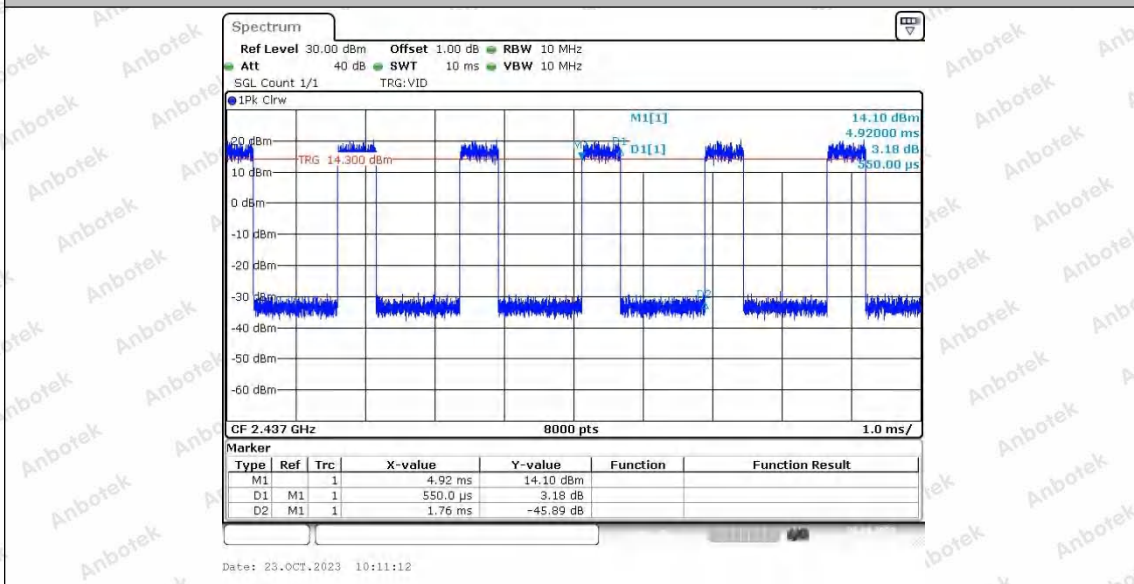


11N20SISO_Ant1_2412



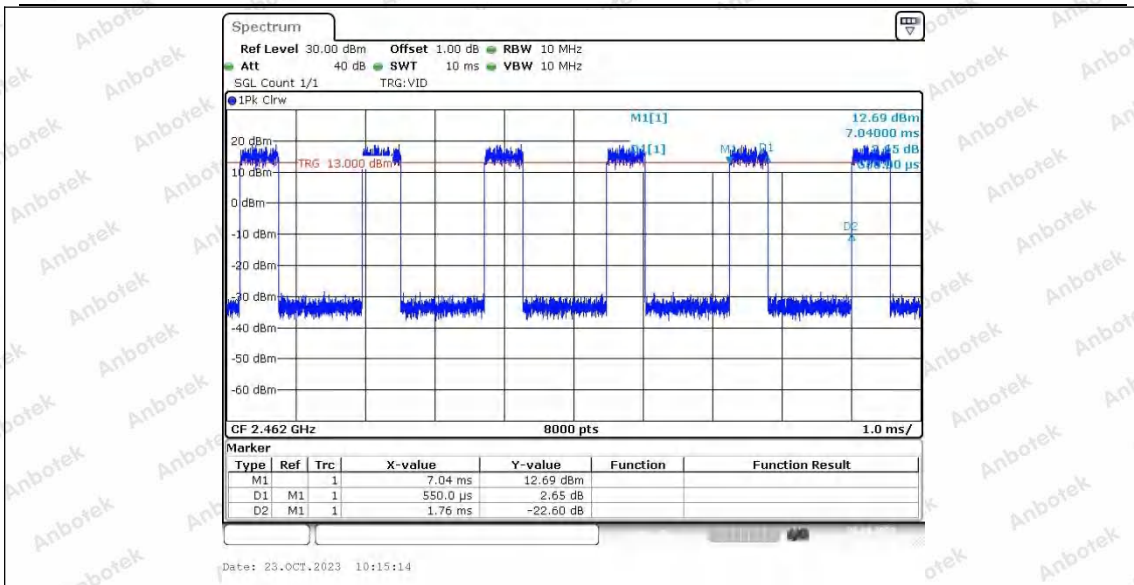


11N20SISO_Ant1_2437

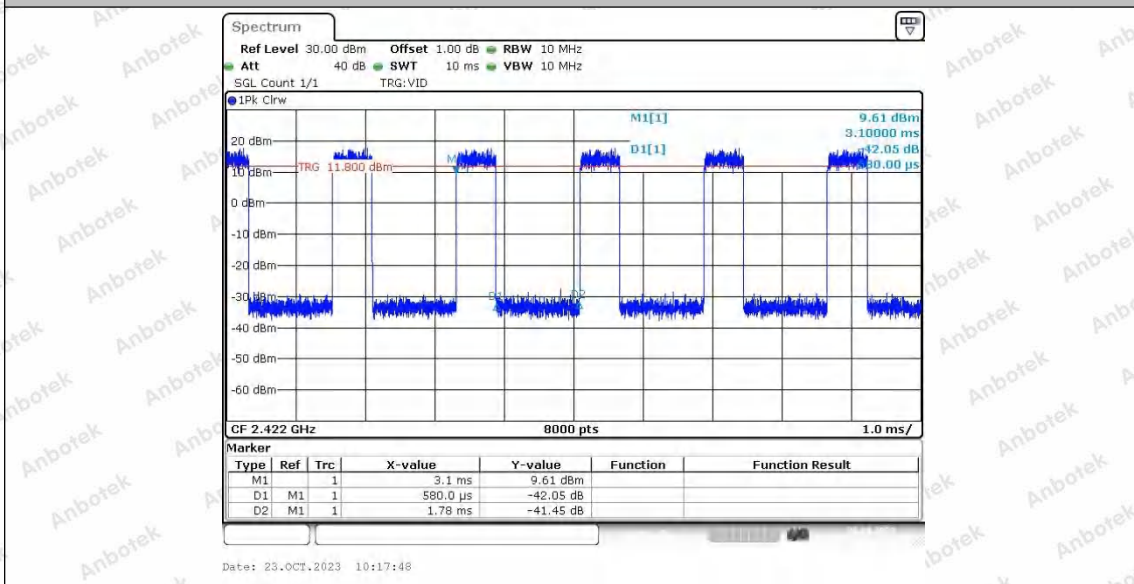


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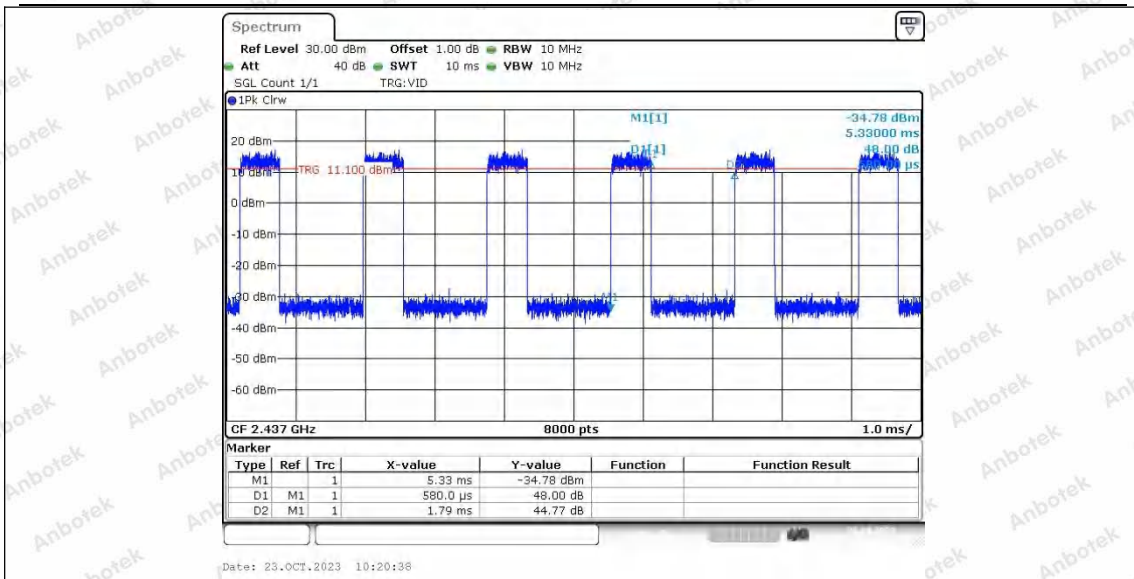


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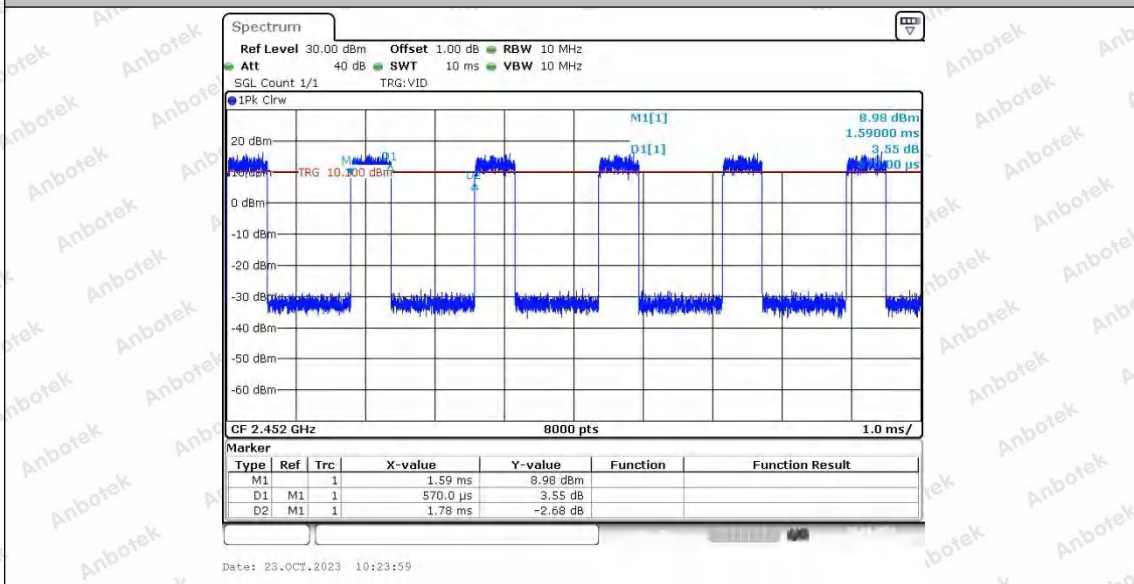


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452



---End---

