

Appendix Test Data

Report No.:	18220WC30224002	Test Sample No.:	1-2-2
Start Test Date:	2023.10.25	Finish Test Date:	2023.10.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°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	10.08	2406.96	2417.04	≥0.5	PASS
		2437	10.08	2431.96	2442.04	≥0.5	PASS
		2462	9.76	2457.24	2467.00	≥0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	≥0.5	PASS
		2437	16.36	2428.80	2445.16	≥0.5	PASS
		2462	16.36	2453.80	2470.16	≥0.5	PASS
11N20SISO	Ant1	2412	17.20	2403.60	2420.80	≥0.5	PASS
		2437	17.60	2428.20	2445.80	≥0.5	PASS
		2462	17.56	2453.20	2470.76	≥0.5	PASS

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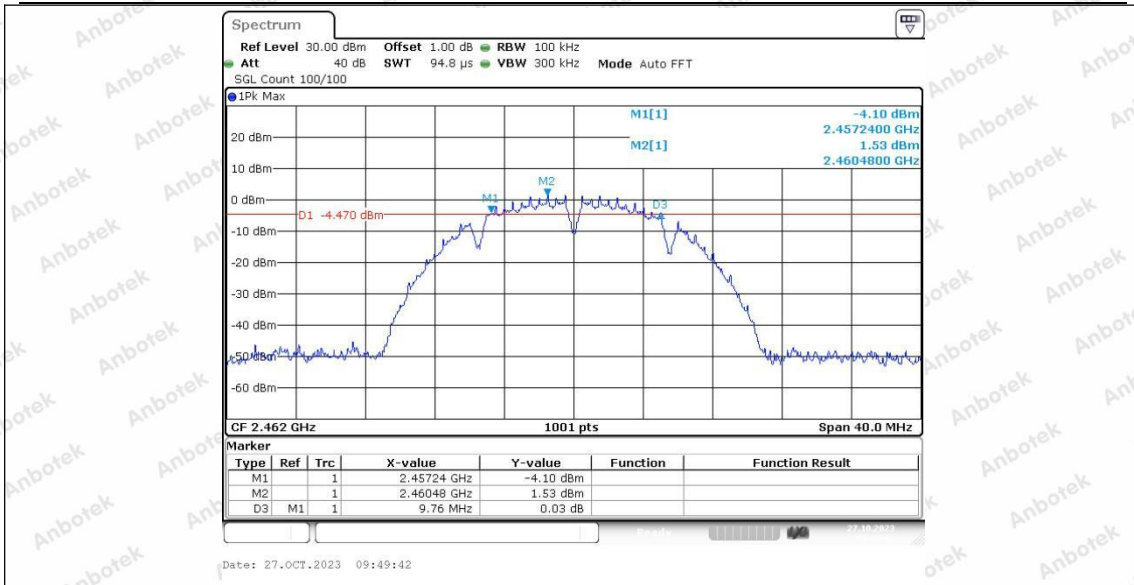
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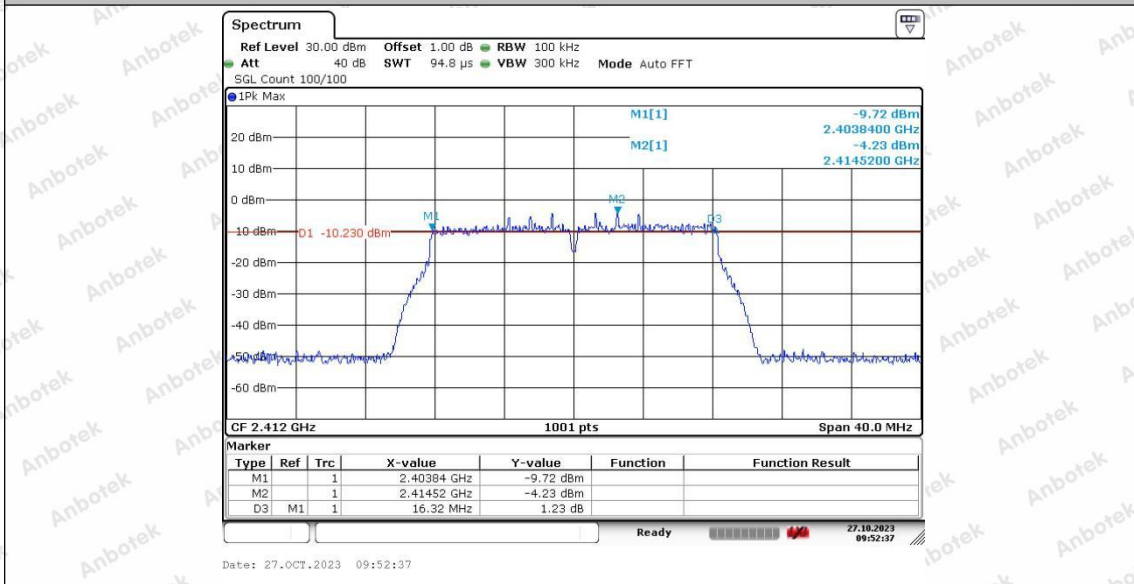


Test Graphs





11G_Ant1_2412



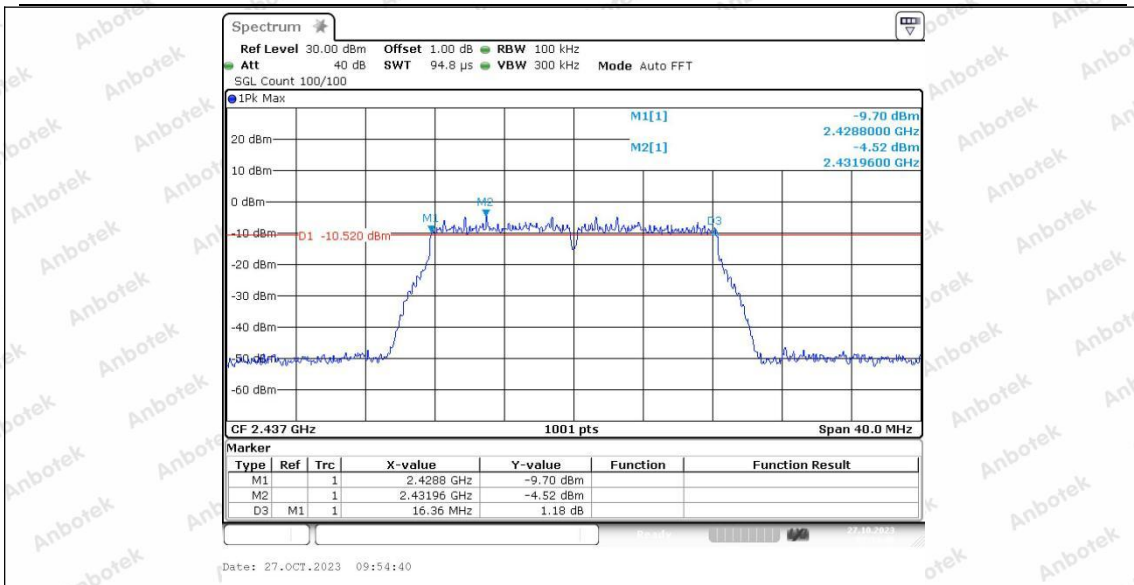
11G_Ant1_2437

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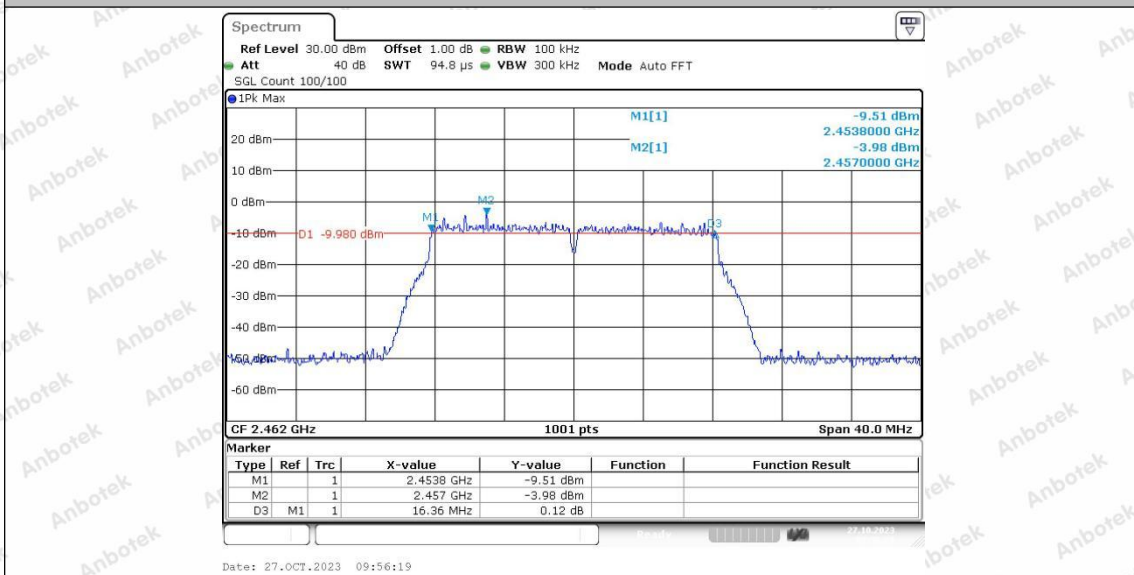
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11G_Ant1_2462



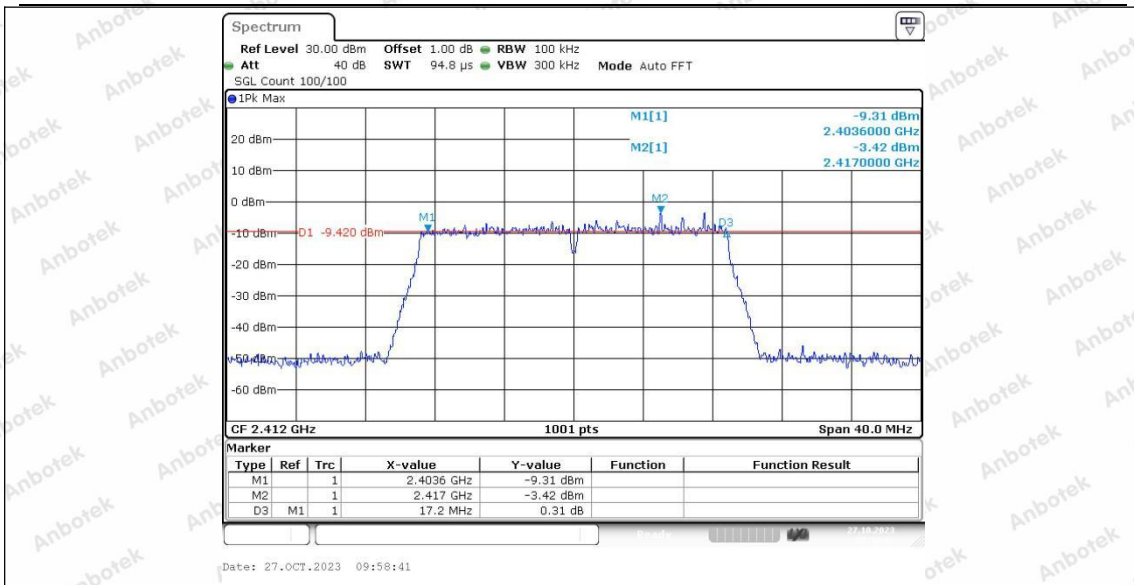
11N20SISO_Ant1_2412

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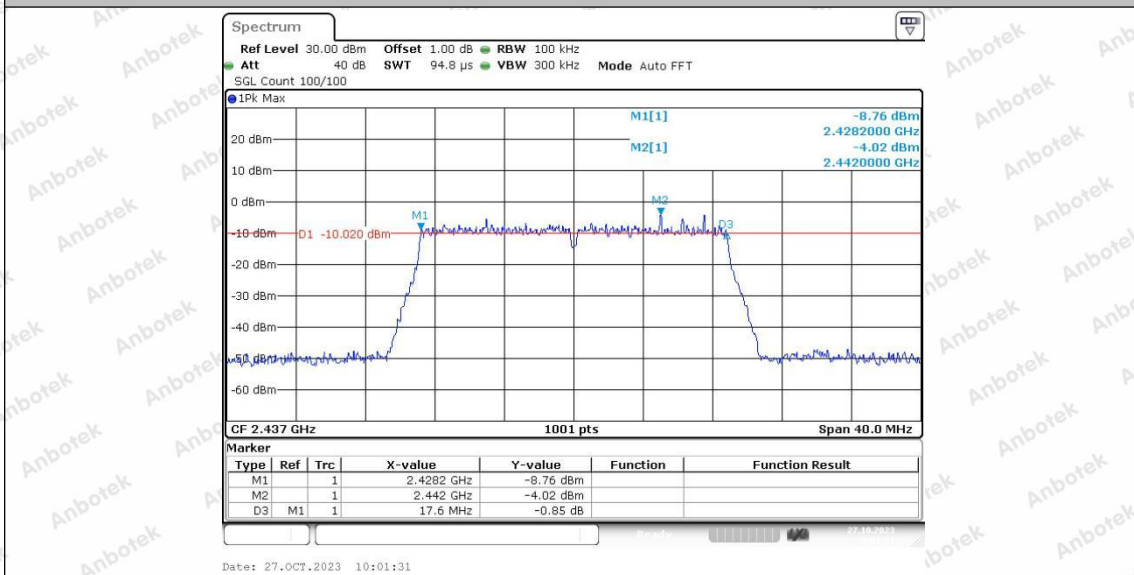
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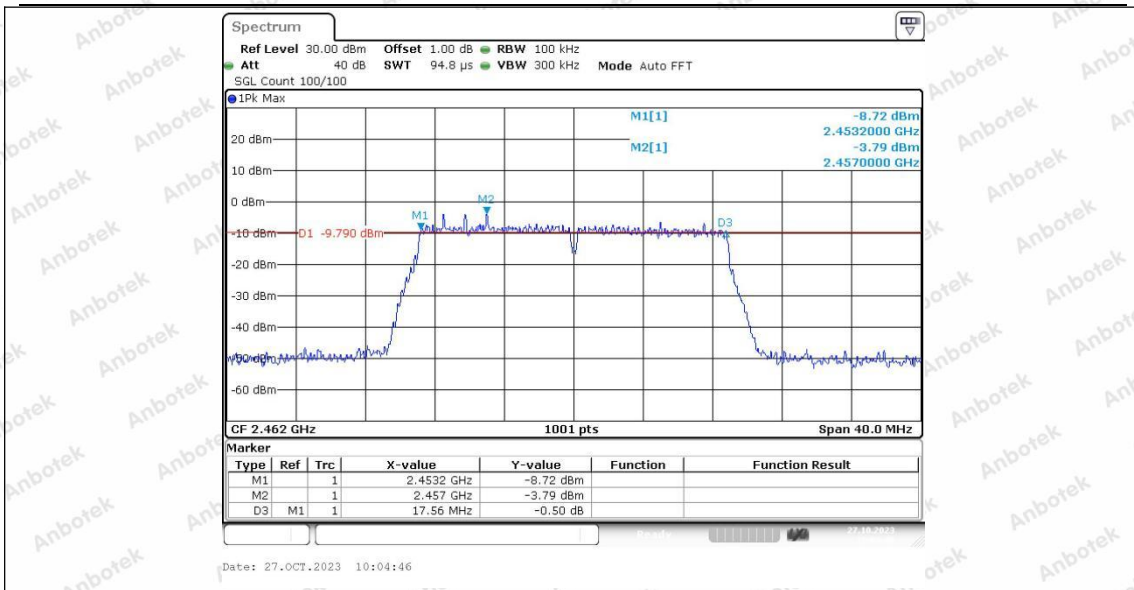


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





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Appendix B: Occupied Channel Bandwidth

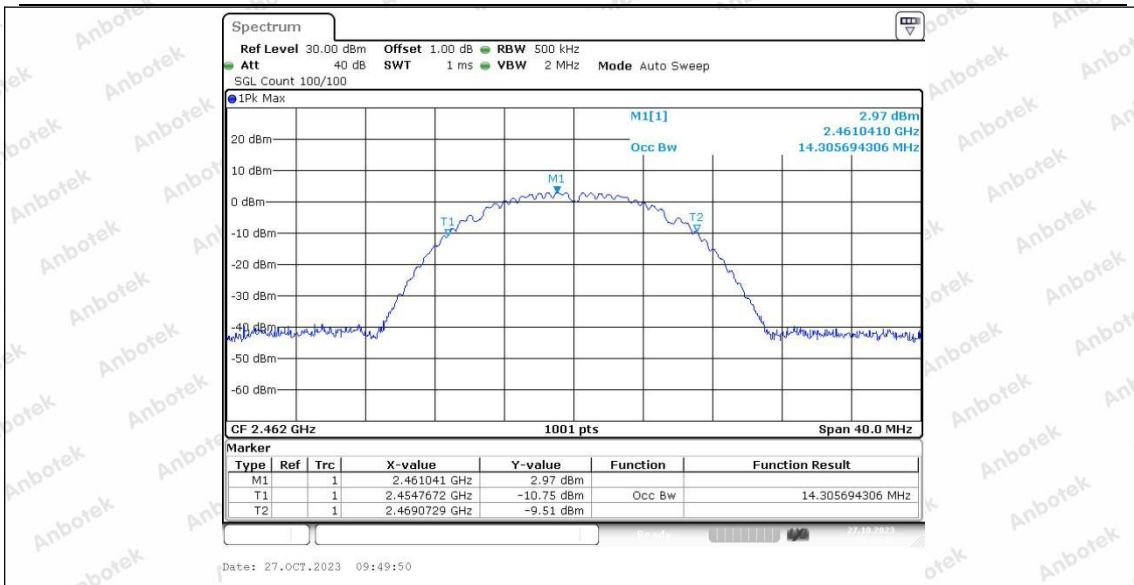
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.266	2404.9670	2419.2328	---	---
		2437	14.266	2429.8472	2444.1129	---	---
		2462	14.306	2454.7672	2469.0729	---	---
11G	Ant1	2412	17.183	2403.4486	2420.6314	---	---
		2437	17.223	2428.4086	2445.6314	---	---
		2462	17.263	2453.3287	2470.5914	---	---
11N20SISO	Ant1	2412	18.062	2403.0090	2421.0709	---	---
		2437	18.022	2428.0090	2446.0310	---	---
		2462	18.022	2452.9291	2470.9510	---	---

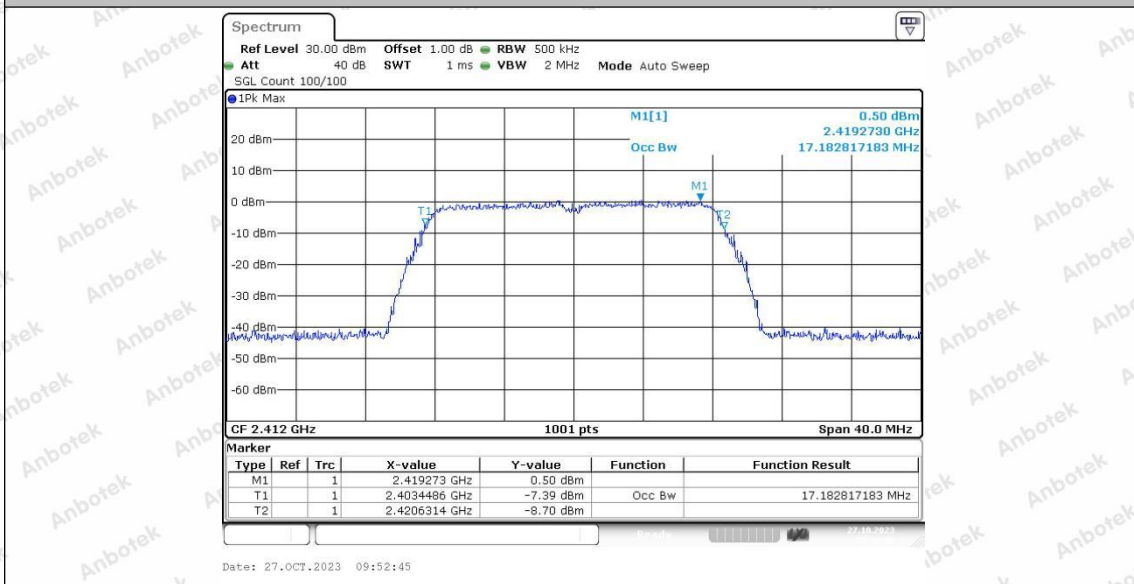


Test Graphs





11G_Ant1_2412



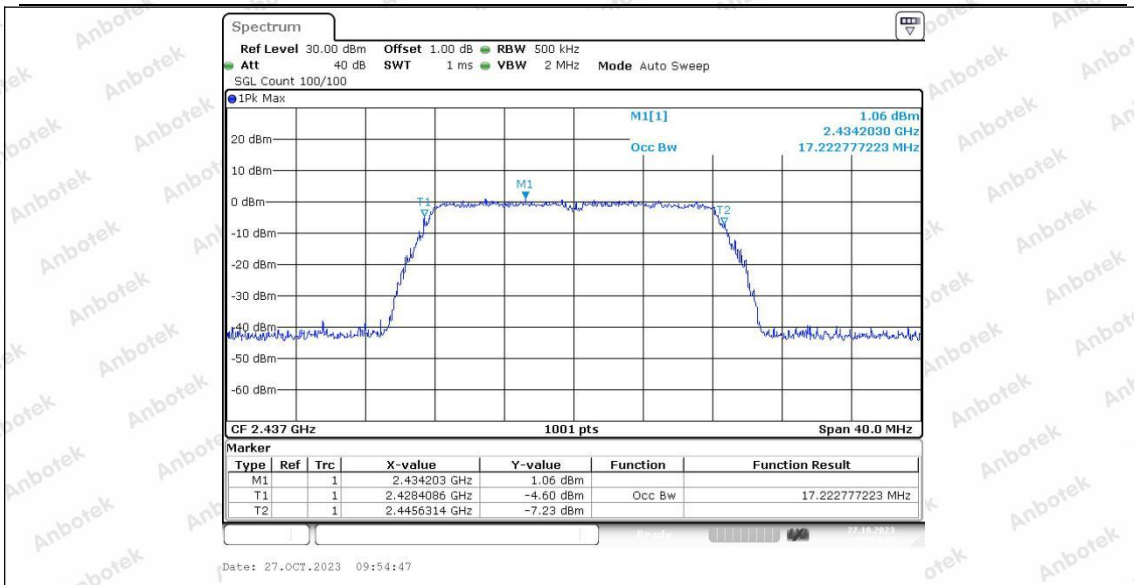
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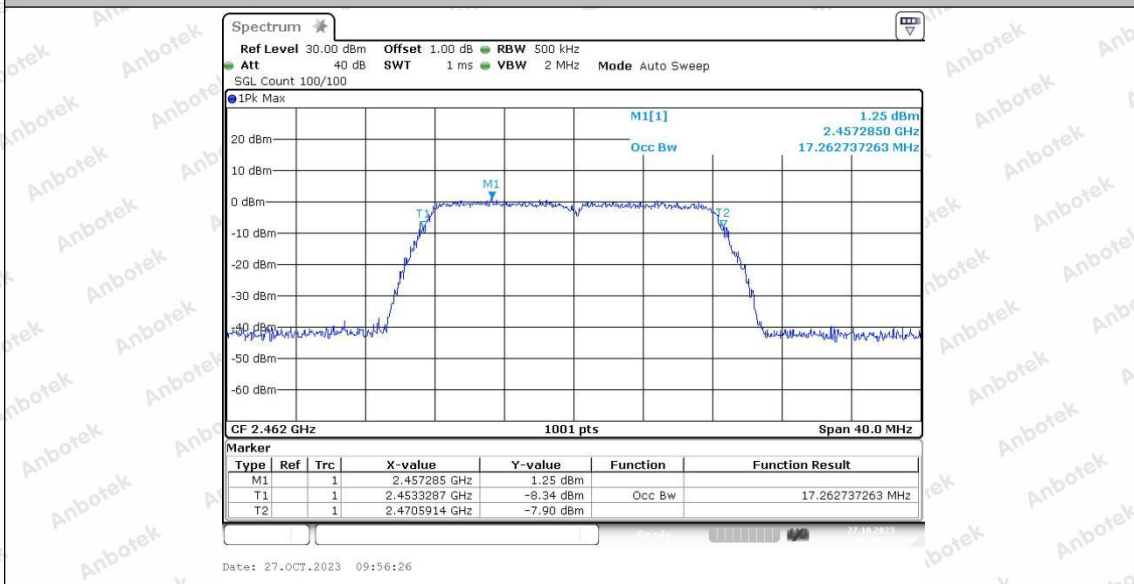
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11G_Ant1_2462



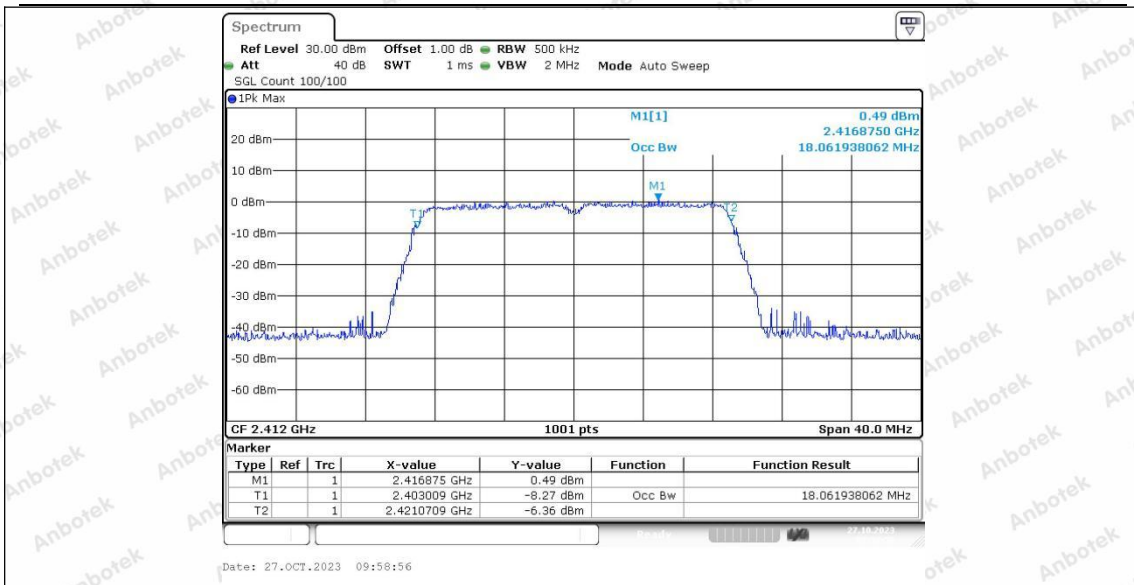
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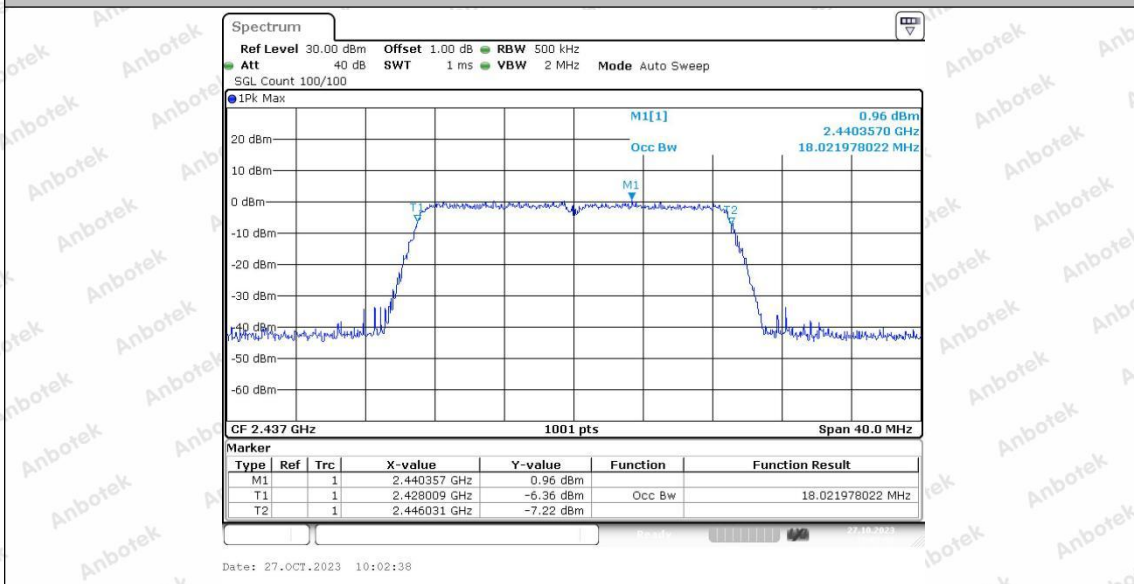
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

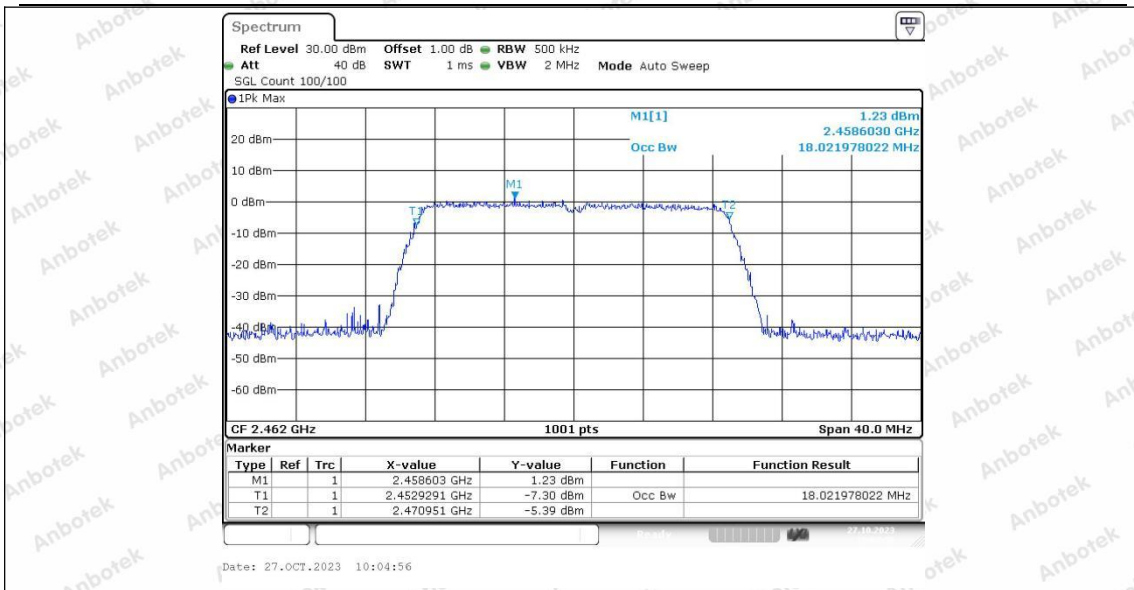
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	14.68	≤30.00
		2437	14.99	≤30.00
		2462	14.86	≤30.00
11G	Ant1	2412	14.95	≤30.00
		2437	15.34	≤30.00
		2462	15.12	≤30.00
11N20SISO	Ant1	2412	15.26	≤30.00
		2437	15.11	≤30.00
		2462	15.12	≤30.00

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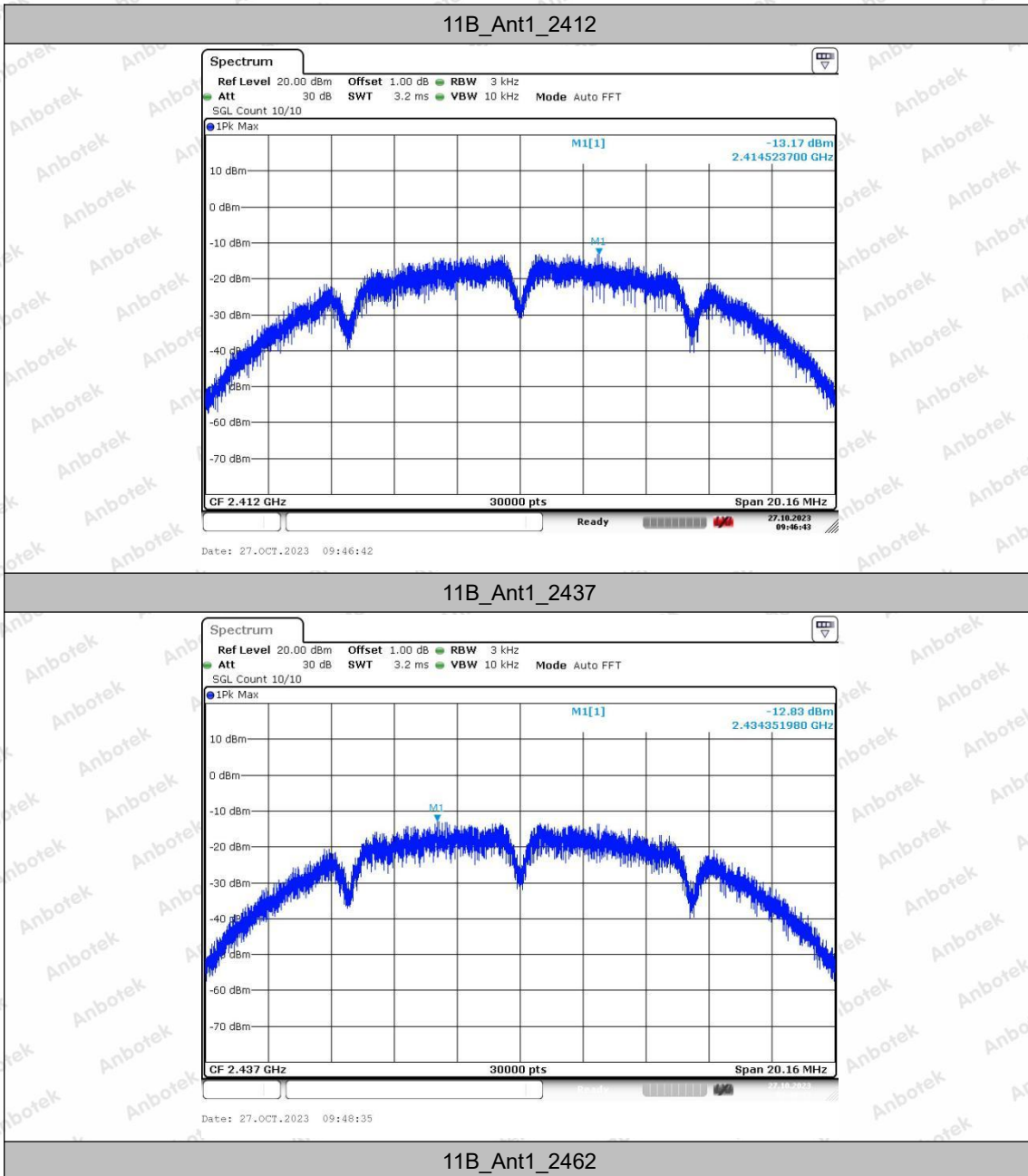
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.17	≤8.00	PASS
		2437	-12.83	≤8.00	PASS
		2462	-12.85	≤8.00	PASS
11G	Ant1	2412	-17.14	≤8.00	PASS
		2437	-16.98	≤8.00	PASS
		2462	-17.48	≤8.00	PASS
11N20SISO	Ant1	2412	-17.50	≤8.00	PASS
		2437	-18.19	≤8.00	PASS
		2462	-17.98	≤8.00	PASS



Test Graphs

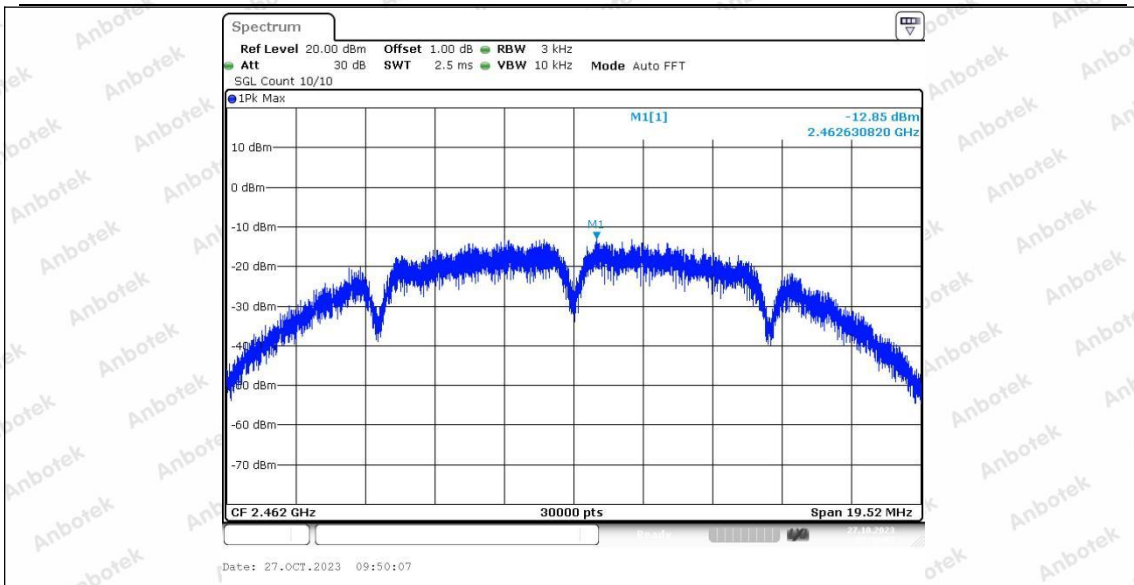


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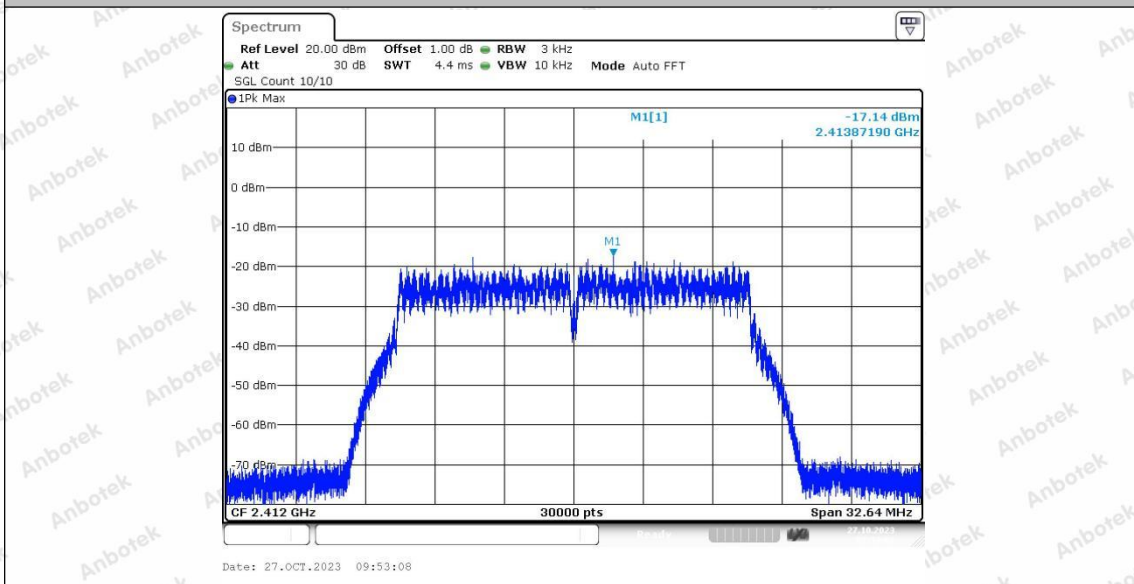
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11G_Ant1_2412



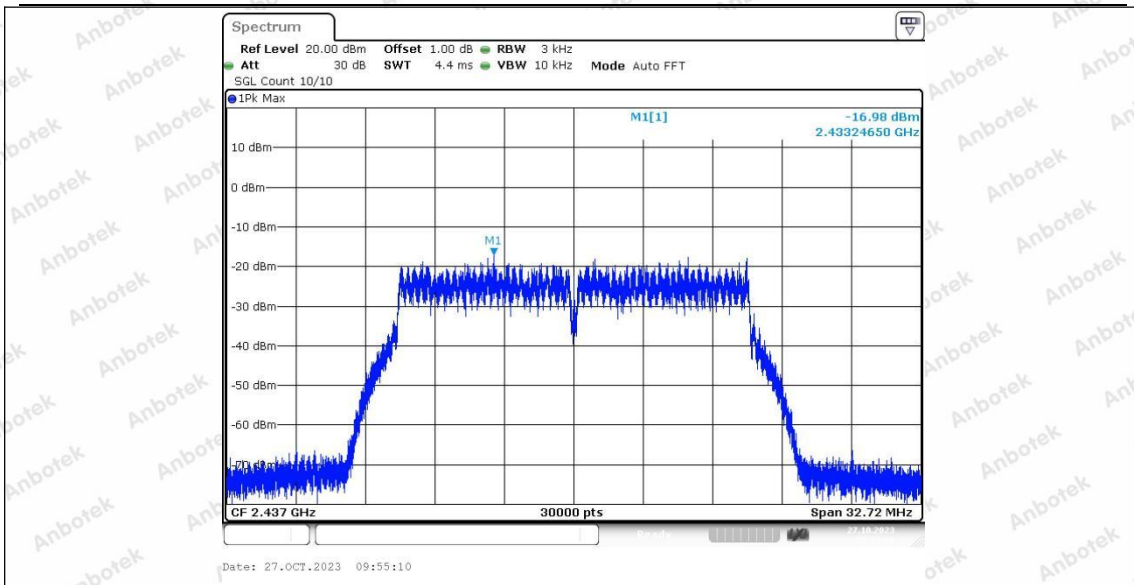
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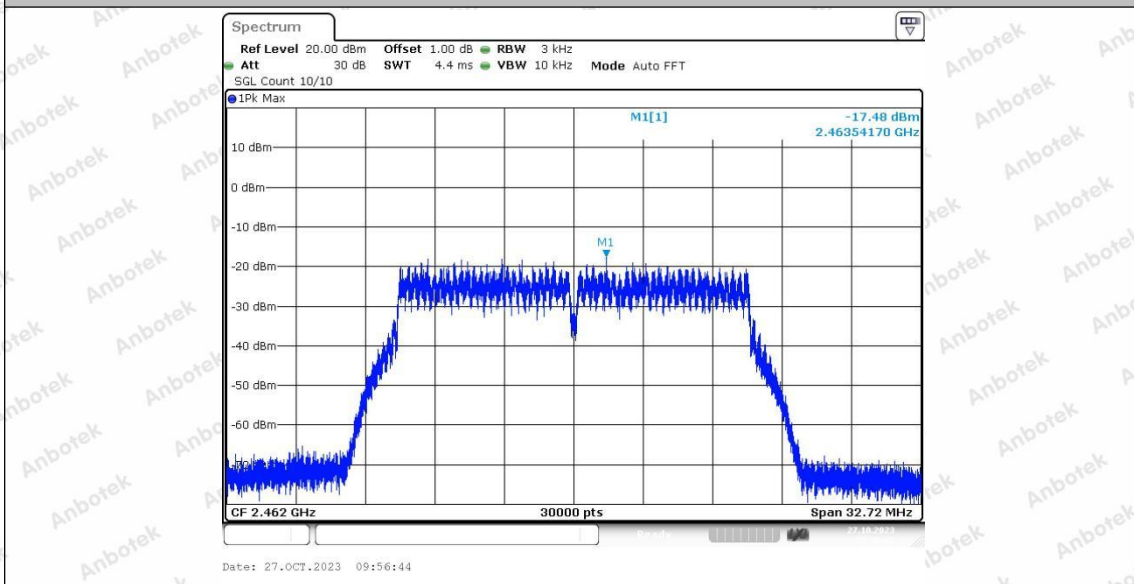
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11G_Ant1_2462



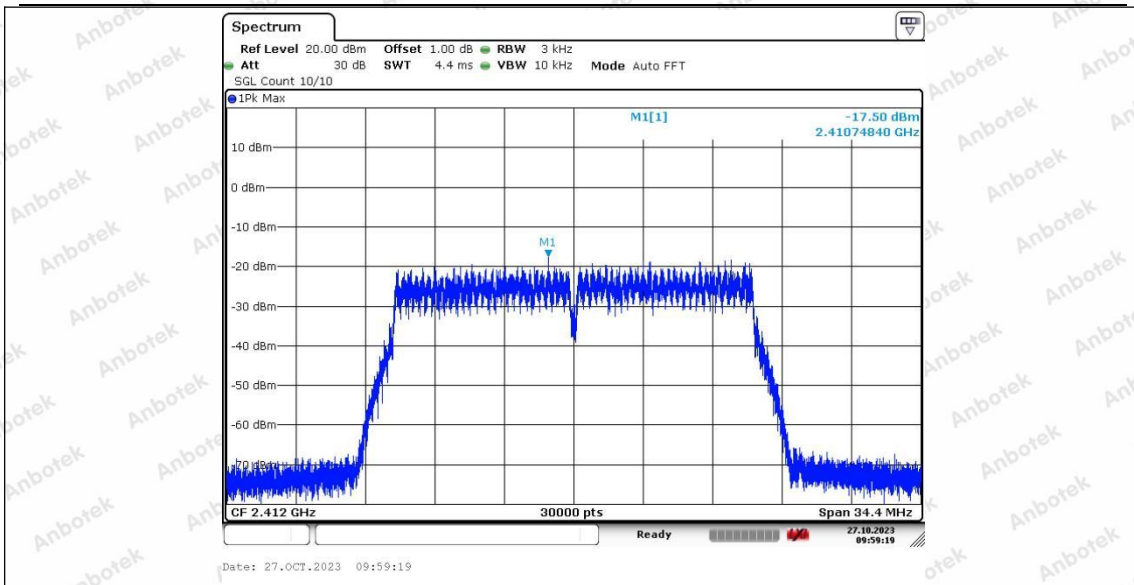
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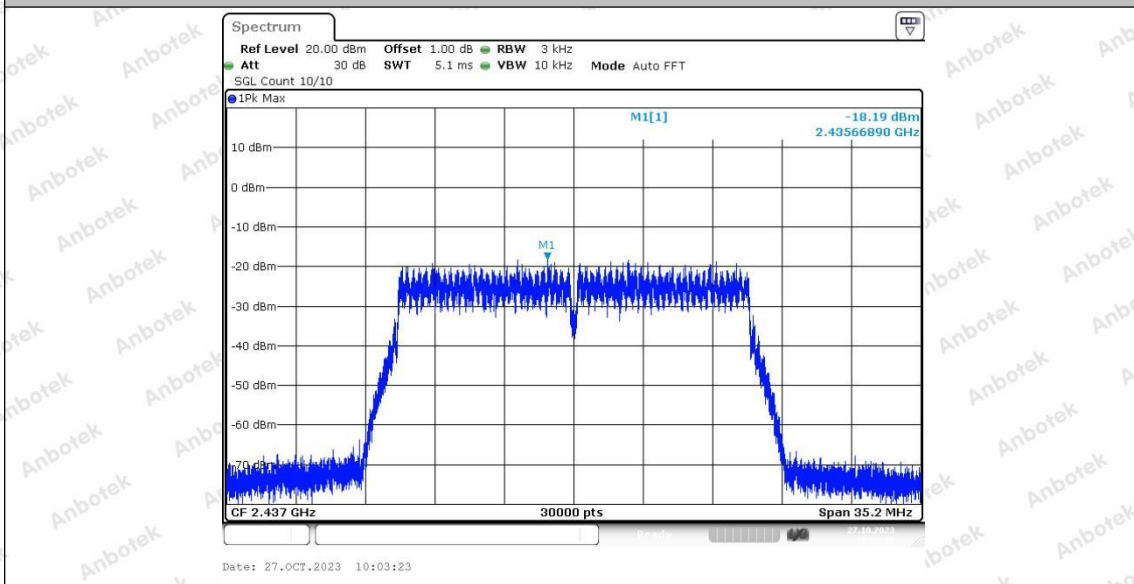
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11N20SISO_Ant1_2437



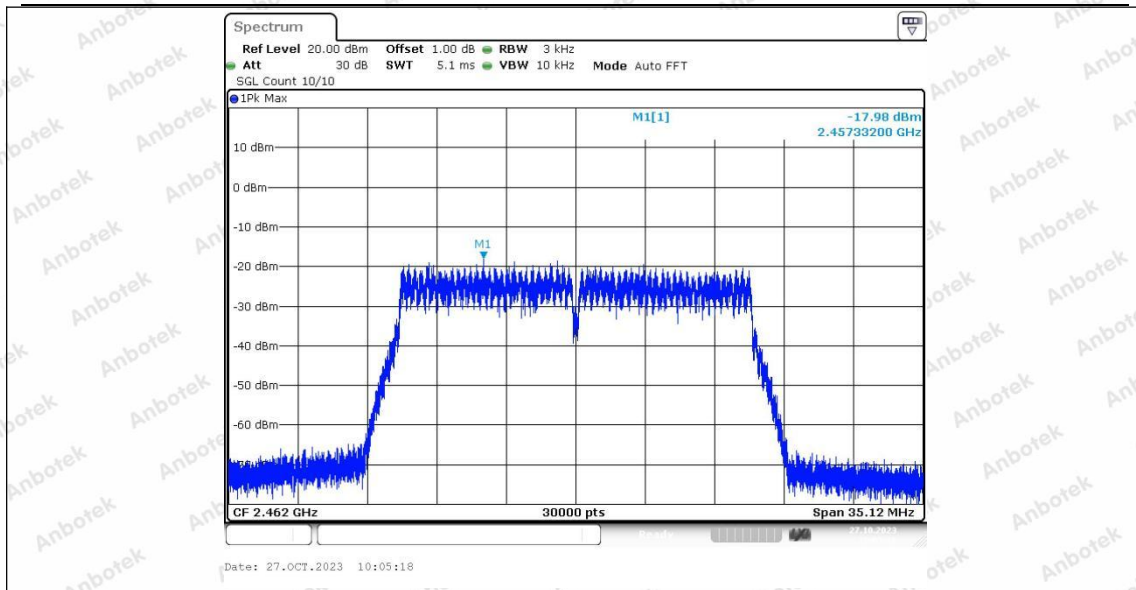
11N20SISO_Ant1_2462

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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	2.33	-50.06	≤-17.67	PASS
		High	2462	0.79	-56.27	≤-19.21	PASS
11G	Ant1	Low	2412	-4.24	-51.94	≤-24.24	PASS
		High	2462	-4.04	-56.25	≤-24.04	PASS
11N20SISO	Ant1	Low	2412	-5.17	-53.25	≤-25.17	PASS
		High	2462	-4.28	-55.36	≤-24.28	PASS



Test Graphs

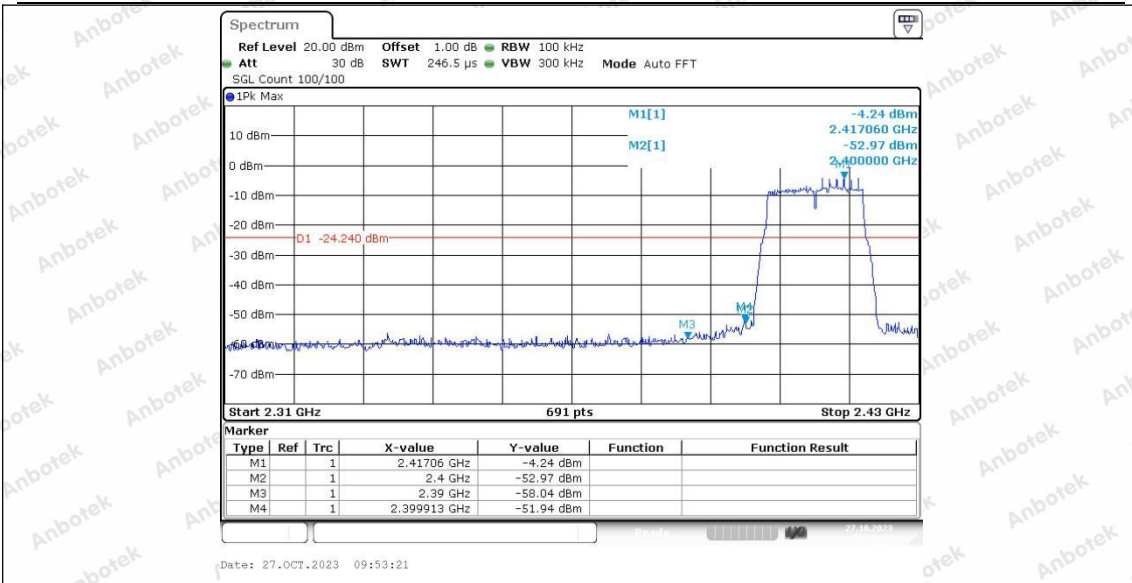


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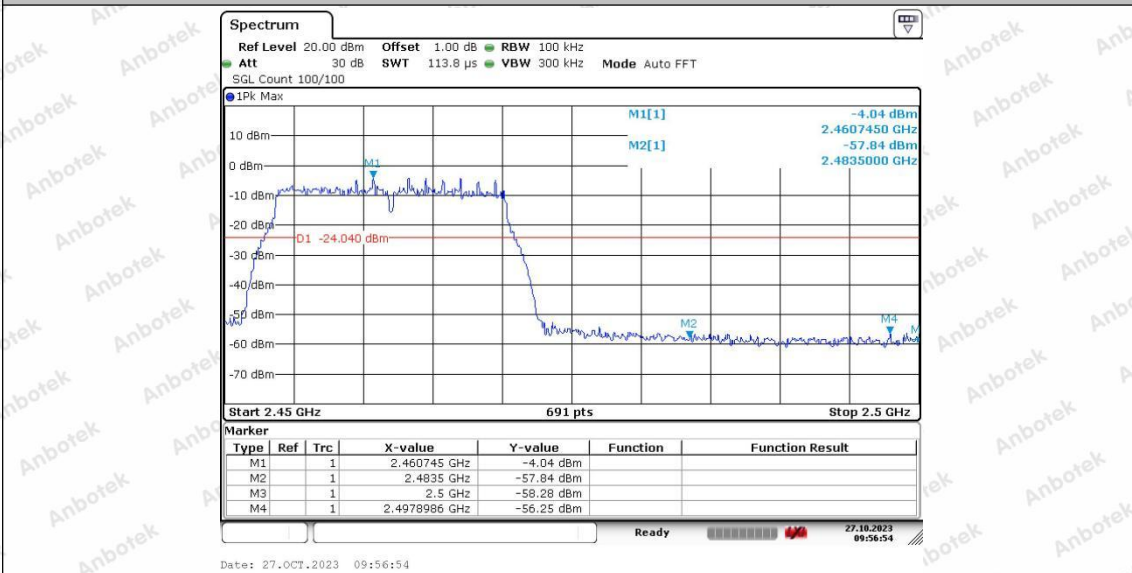
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11G_Ant1_High_2462



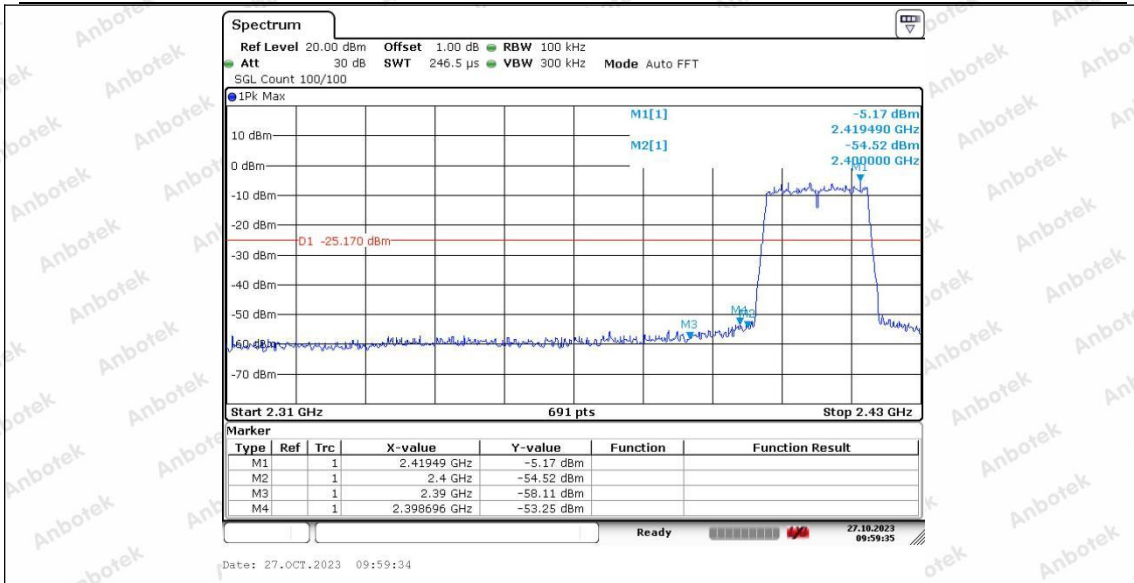
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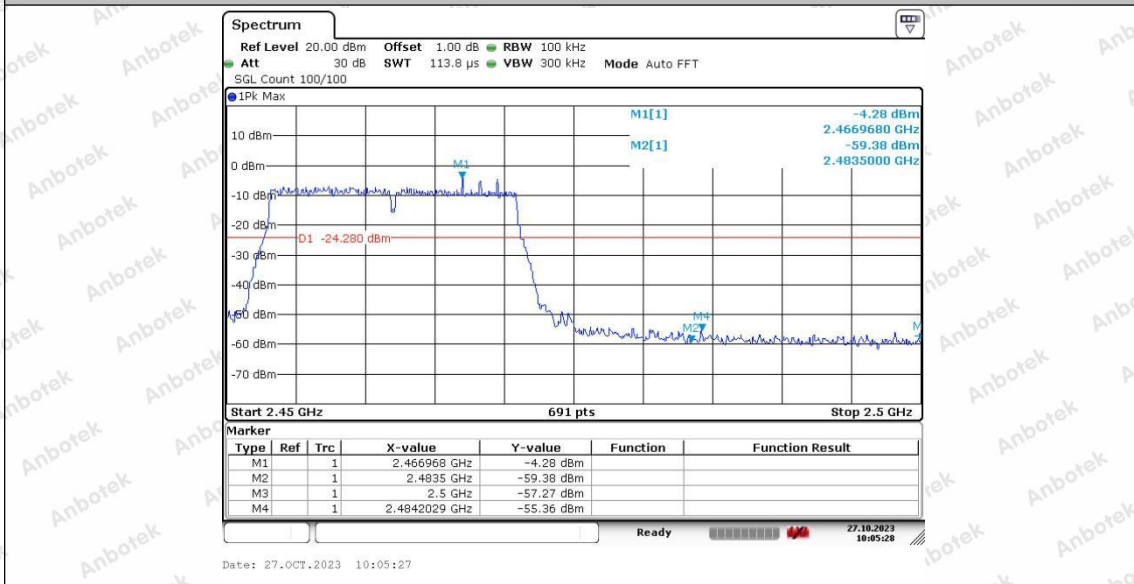
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11N20SISO_Ant1_High_2462



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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	0.06	0.06	---	PASS
			30~1000	0.06	-67.27	≤-19.94	PASS
			1000~26500	0.06	-51.6	≤-19.94	PASS
		2437	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-68.02	≤-20.24	PASS
			1000~26500	-0.24	-51.47	≤-20.24	PASS
		2462	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-68.37	≤-20.44	PASS
			1000~26500	-0.44	-48.75	≤-20.44	PASS
11G	Ant1	2412	Reference	-7.53	-7.53	---	PASS
			30~1000	-7.53	-68.53	≤-27.53	PASS
			1000~26500	-7.53	-59.65	≤-27.53	PASS
		2437	Reference	-7.12	-7.12	---	PASS
			30~1000	-7.12	-68.94	≤-27.12	PASS
			1000~26500	-7.12	-58.59	≤-27.12	PASS
		2462	Reference	-7.54	-7.54	---	PASS
			30~1000	-7.54	-68.49	≤-27.54	PASS
			1000~26500	-7.54	-48	≤-27.54	PASS
11N20SISO	Ant1	2412	Reference	-3.36	-3.36	---	PASS
			30~1000	-3.36	-68.37	≤-23.36	PASS
			1000~26500	-3.36	-59.44	≤-23.36	PASS
		2437	Reference	-5.83	-5.83	---	PASS
			30~1000	-5.83	-68.61	≤-25.83	PASS
			1000~26500	-5.83	-48.62	≤-25.83	PASS
		2462	Reference	-7.40	-7.40	---	PASS
			30~1000	-7.40	-68.31	≤-27.4	PASS
			1000~26500	-7.40	-44.83	≤-27.4	PASS

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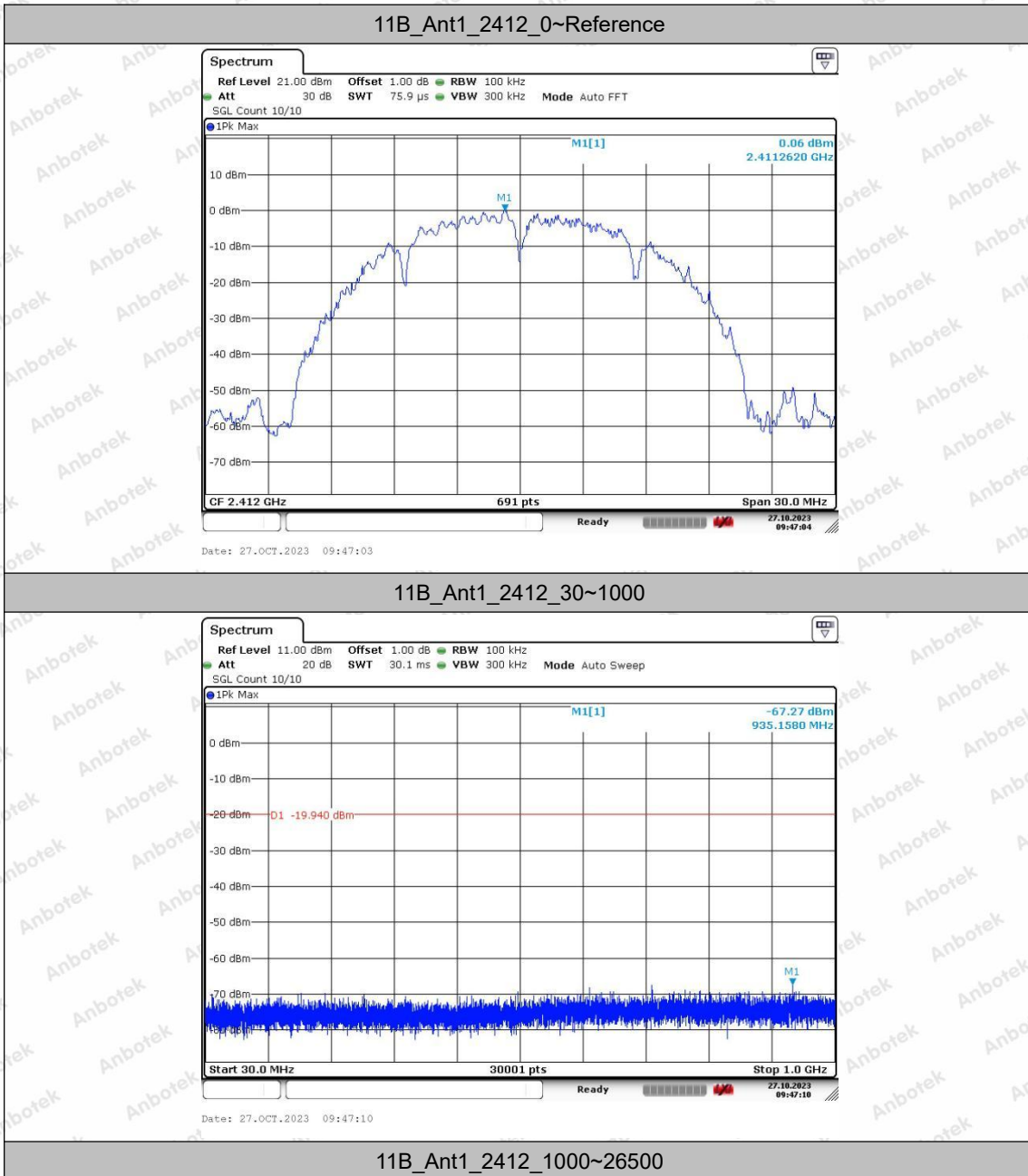
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Test Graphs

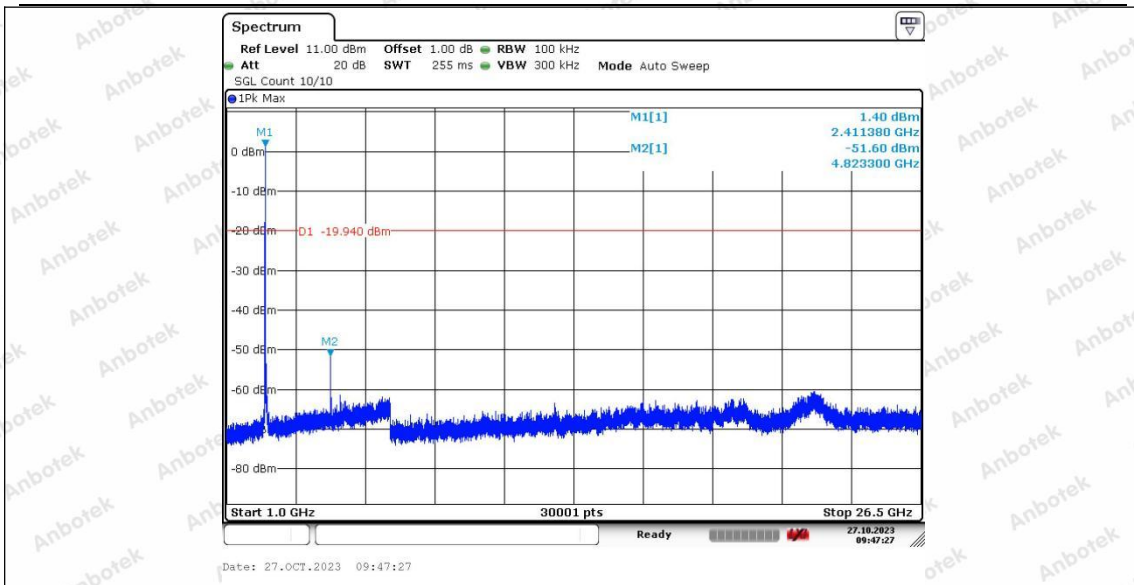


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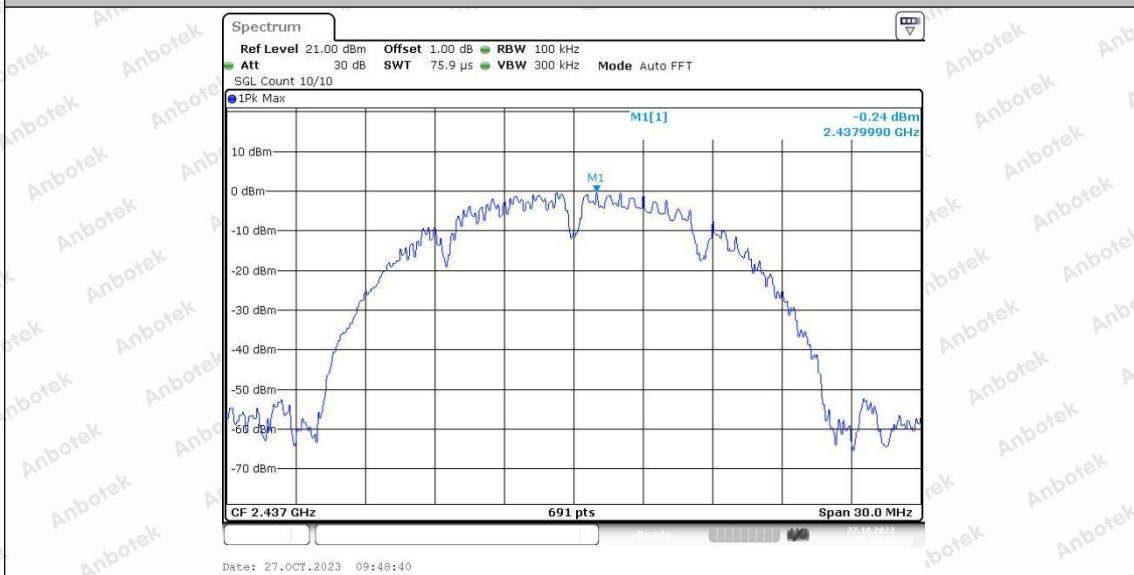
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11B_Ant1_2437_0~Reference



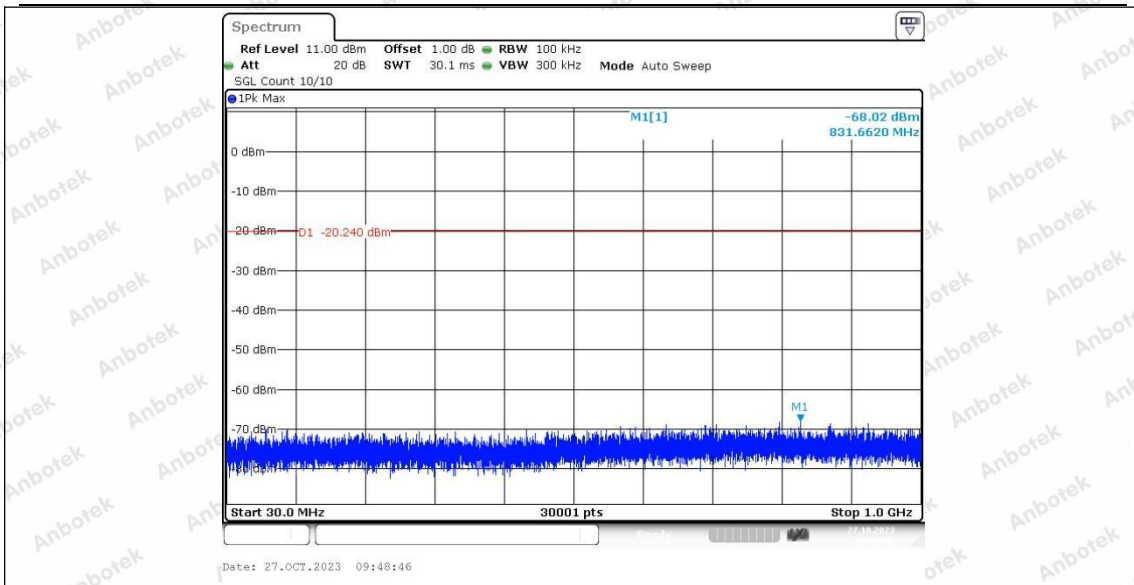
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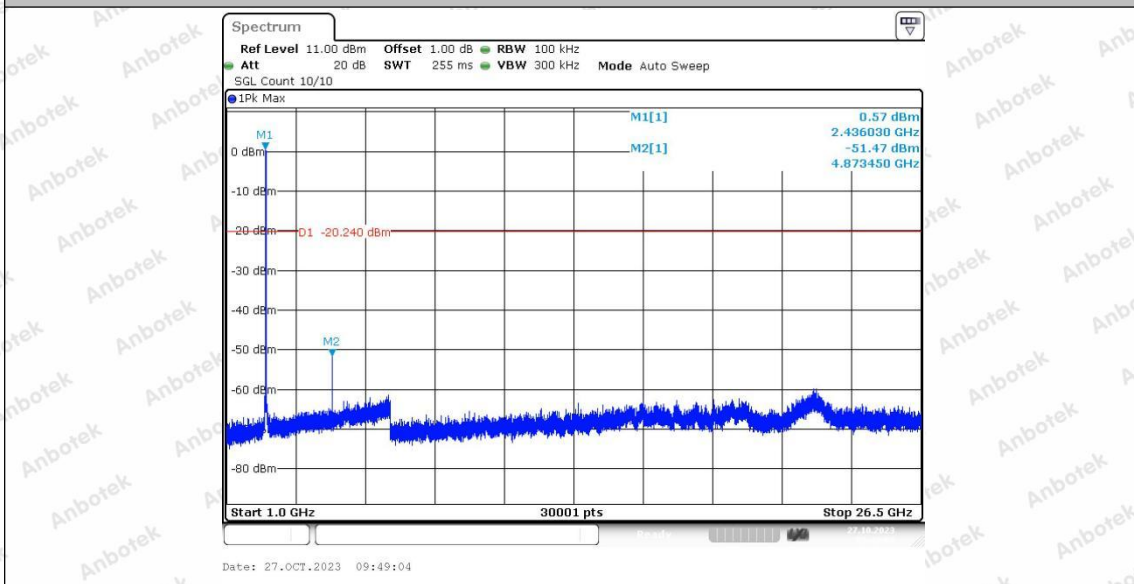
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11B_Ant1_2437_1000~26500



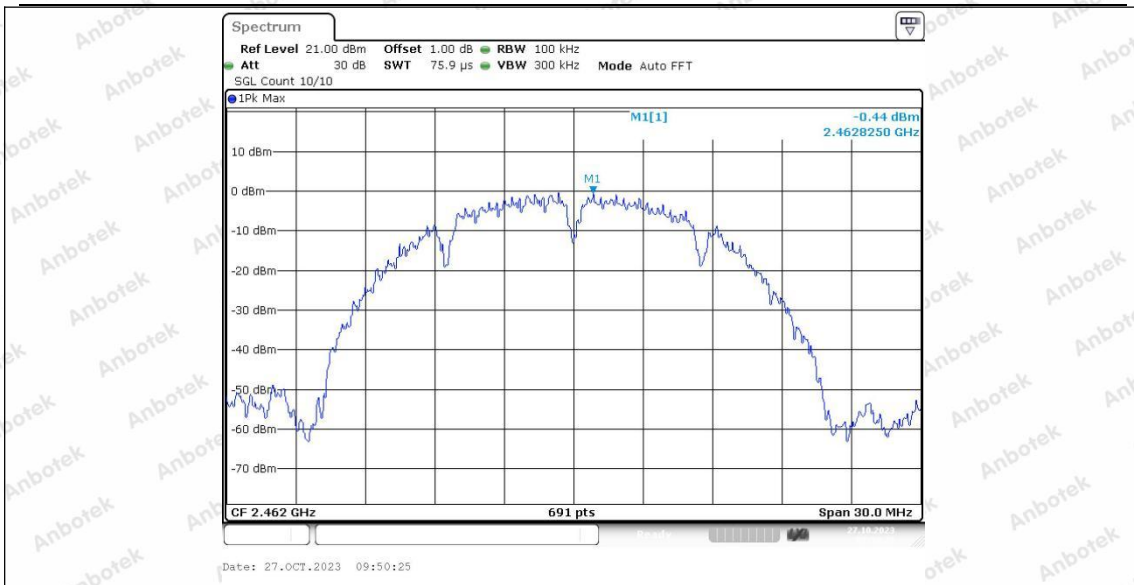
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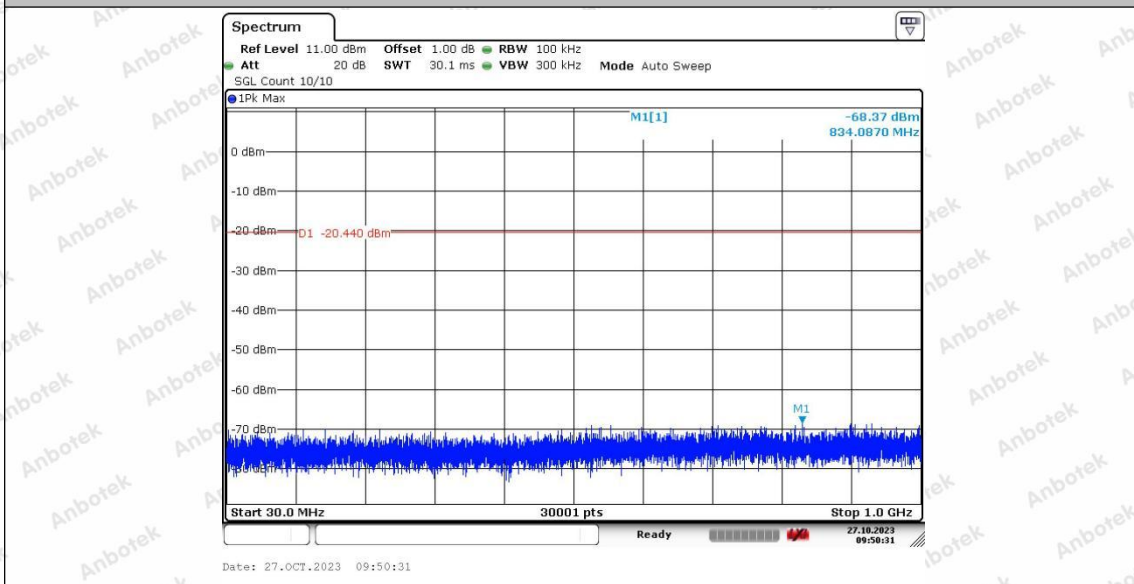
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11B_Ant1_2462_30~1000



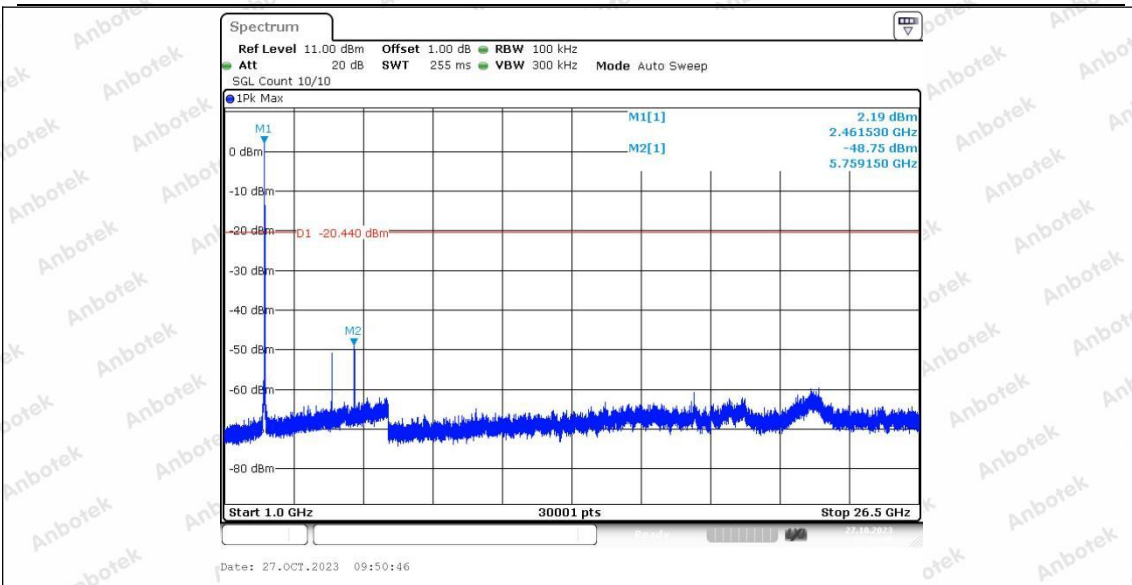
11B_Ant1_2462_1000~26500

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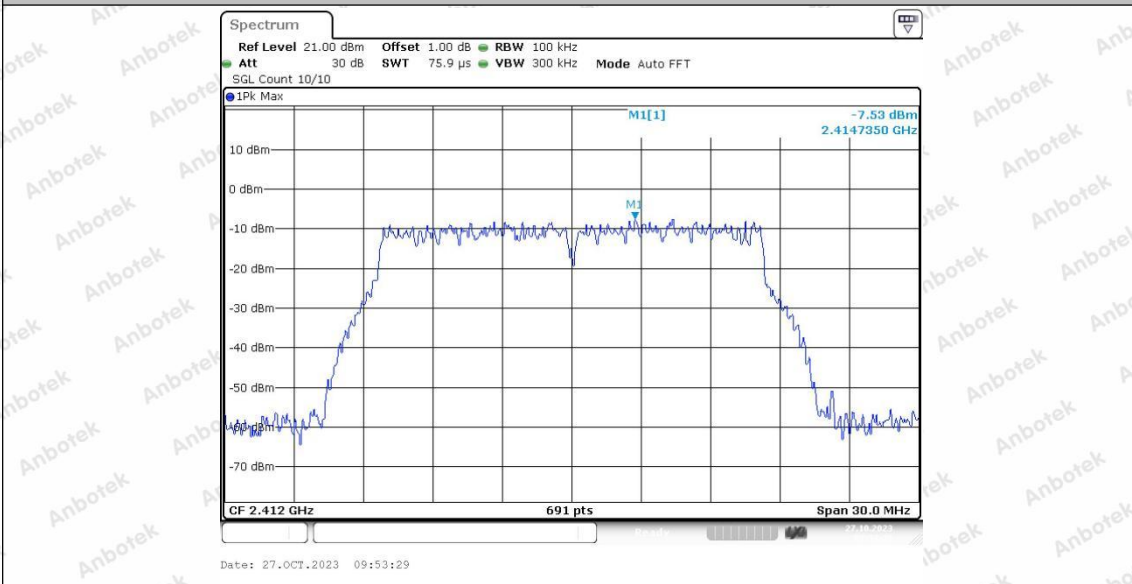
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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

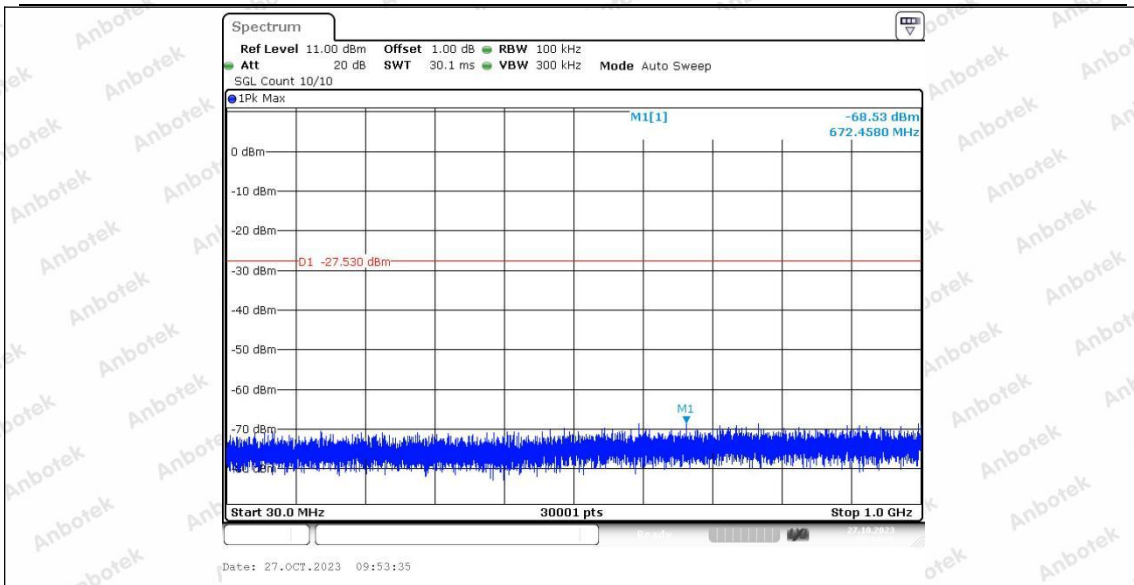
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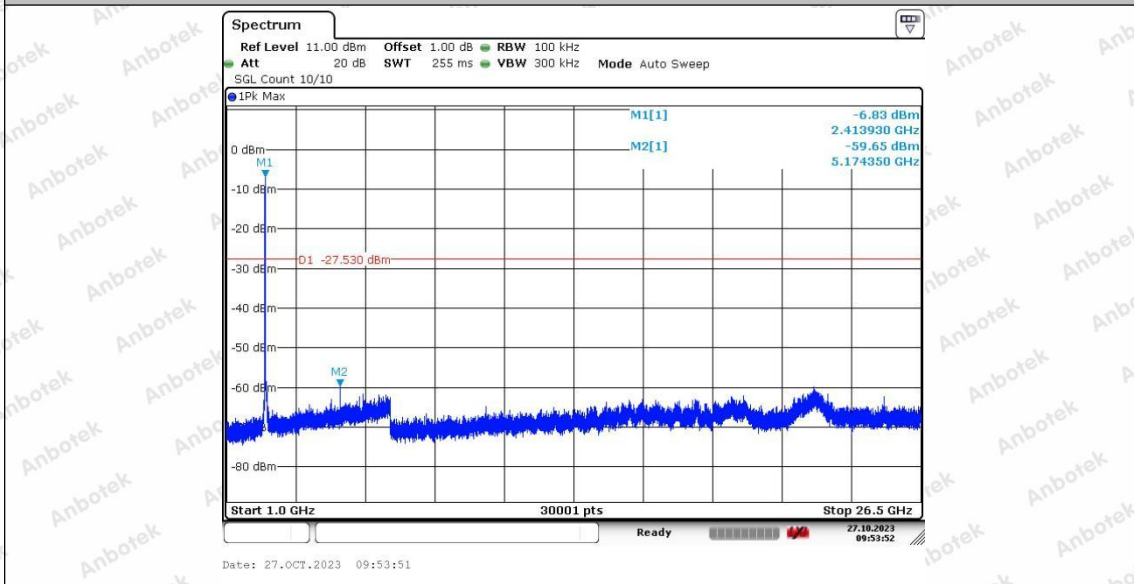


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11G_Ant1_2412_1000~26500



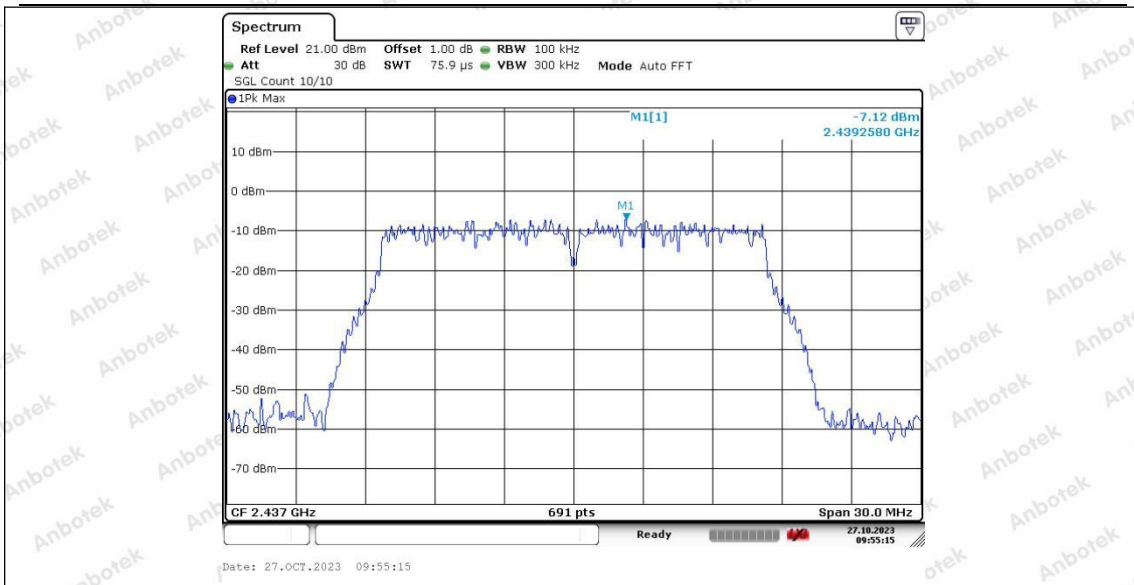
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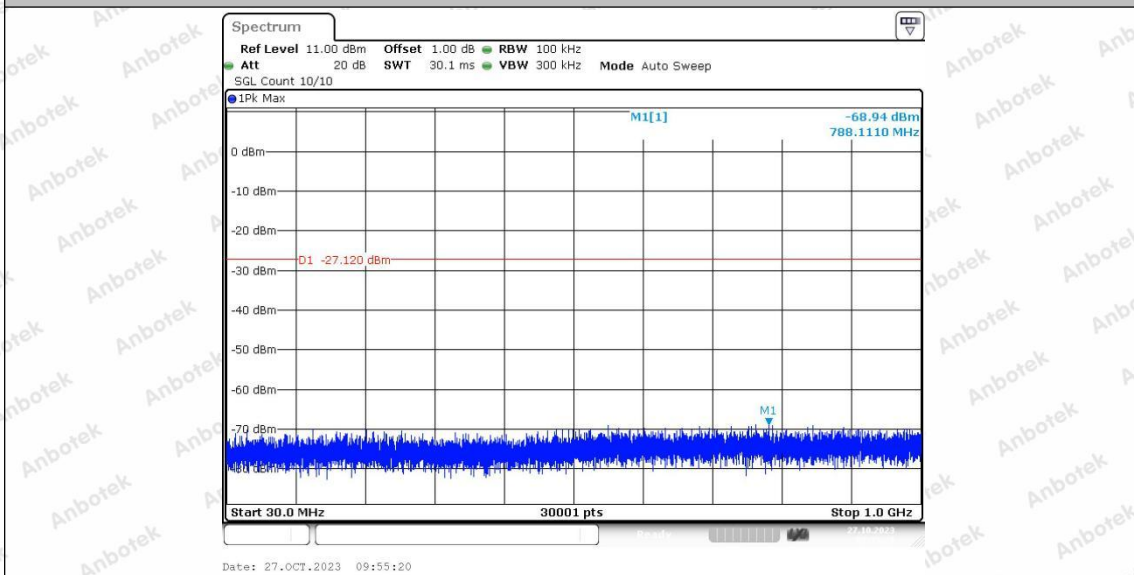
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

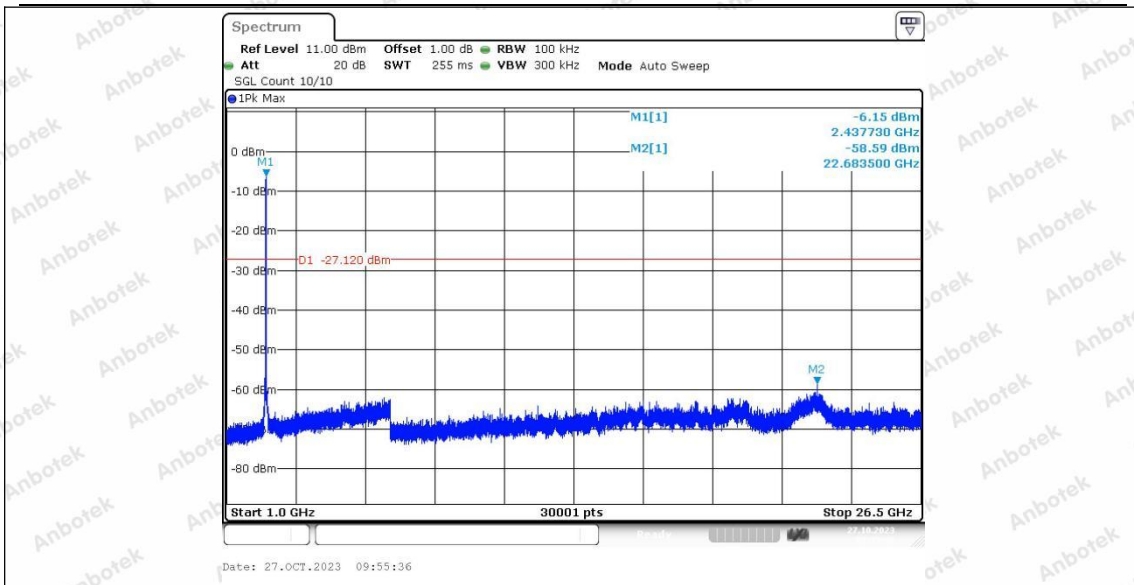
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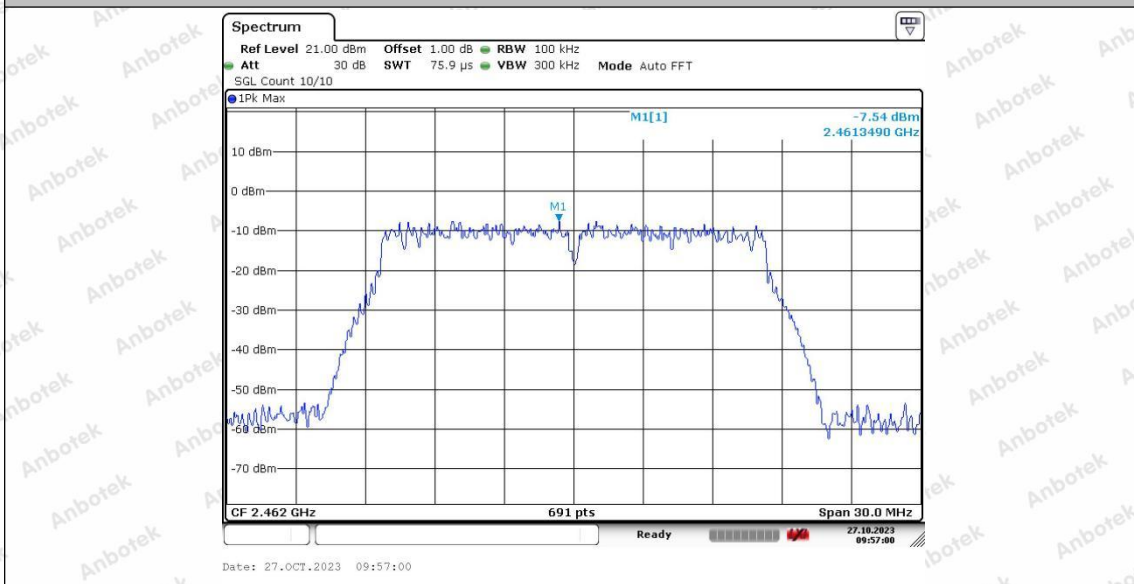


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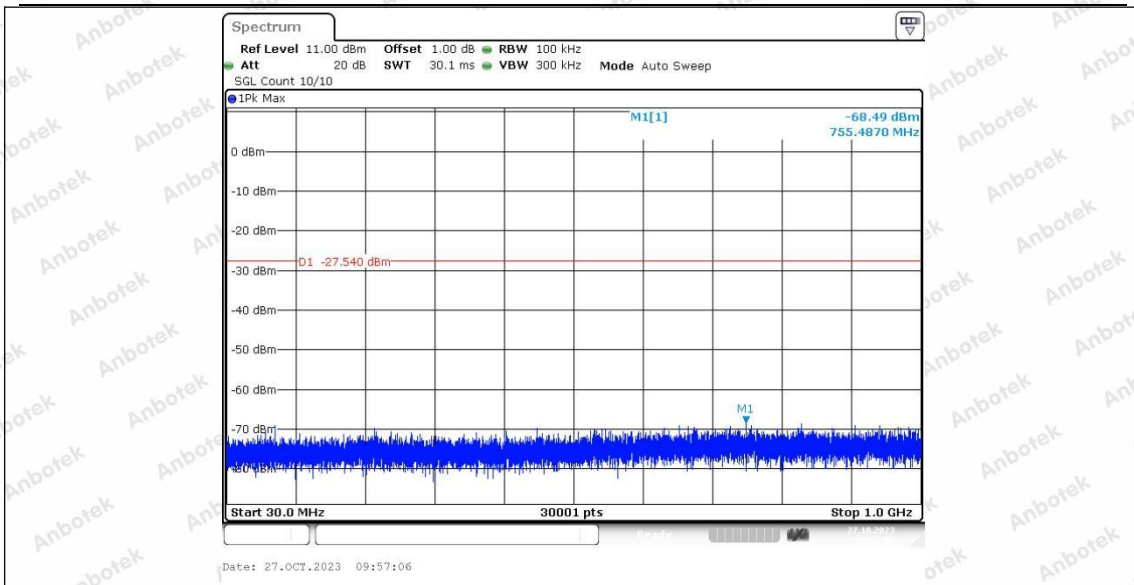
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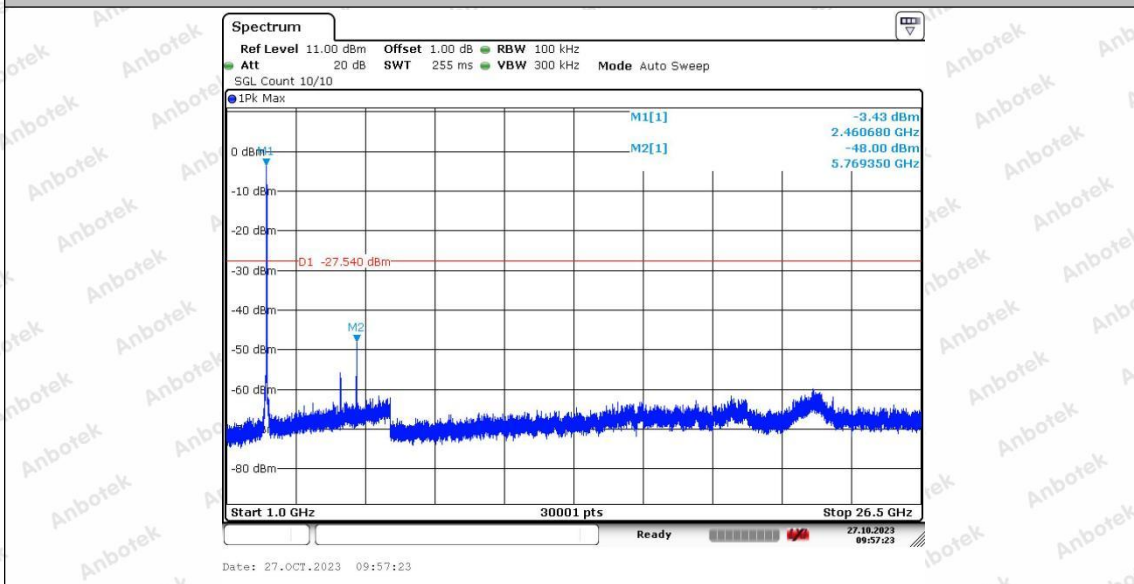


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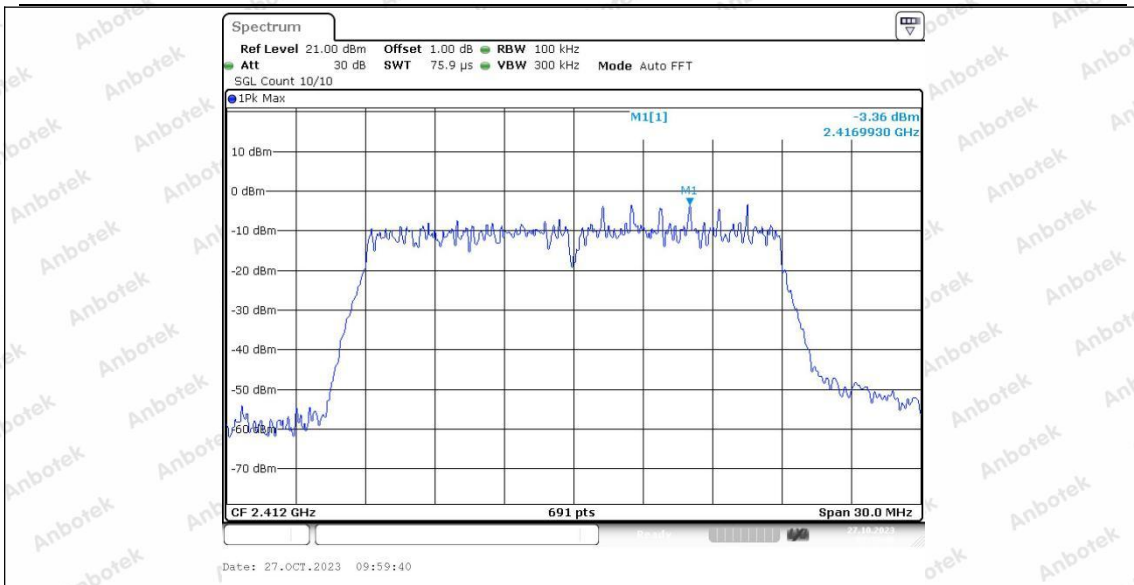
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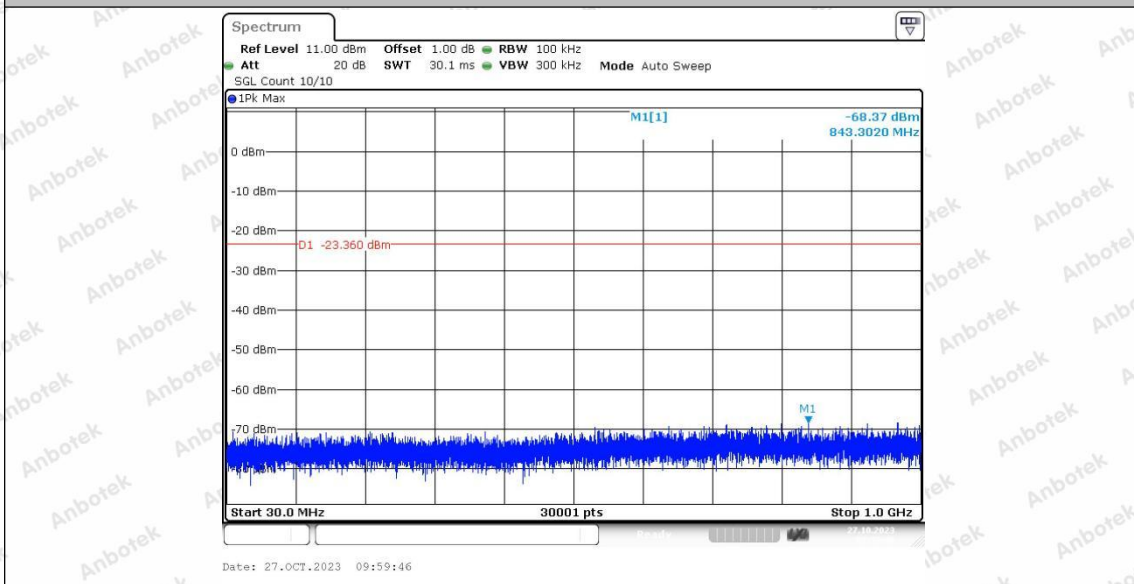
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO_Ant1_2412_30~1000



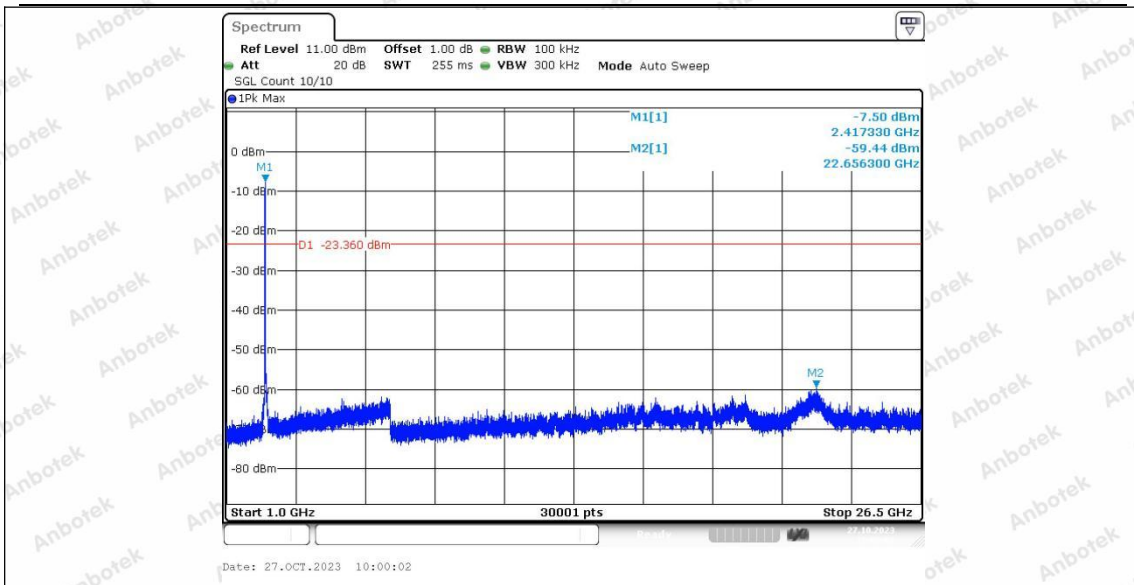
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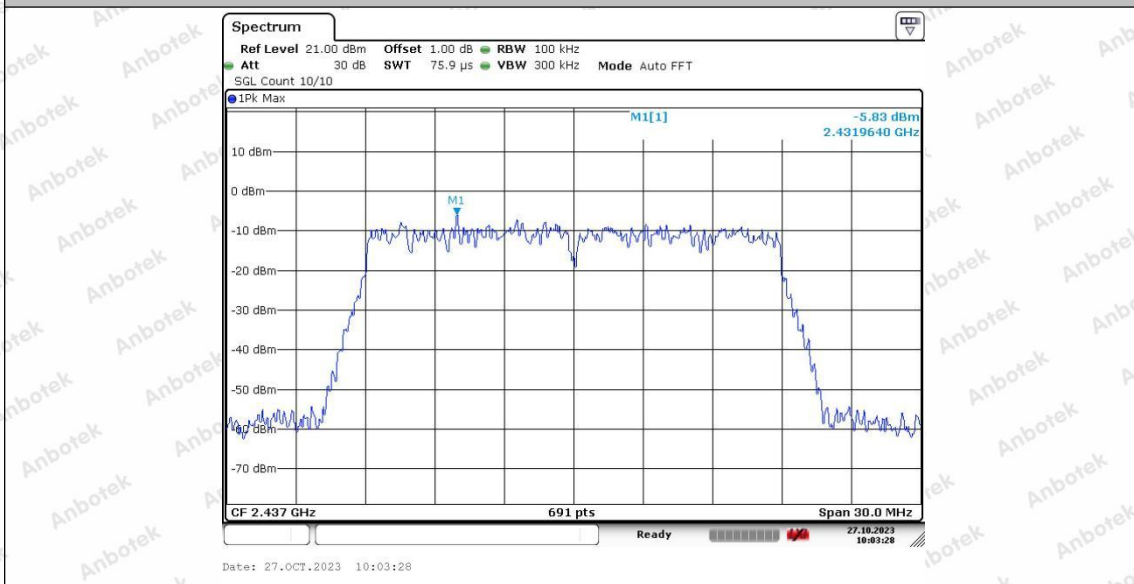
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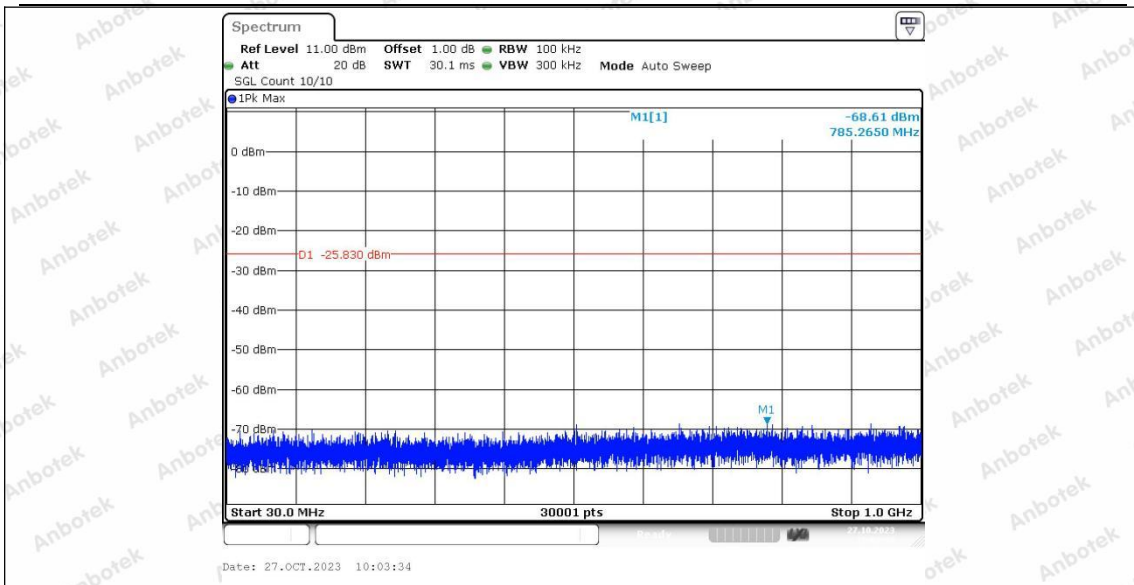
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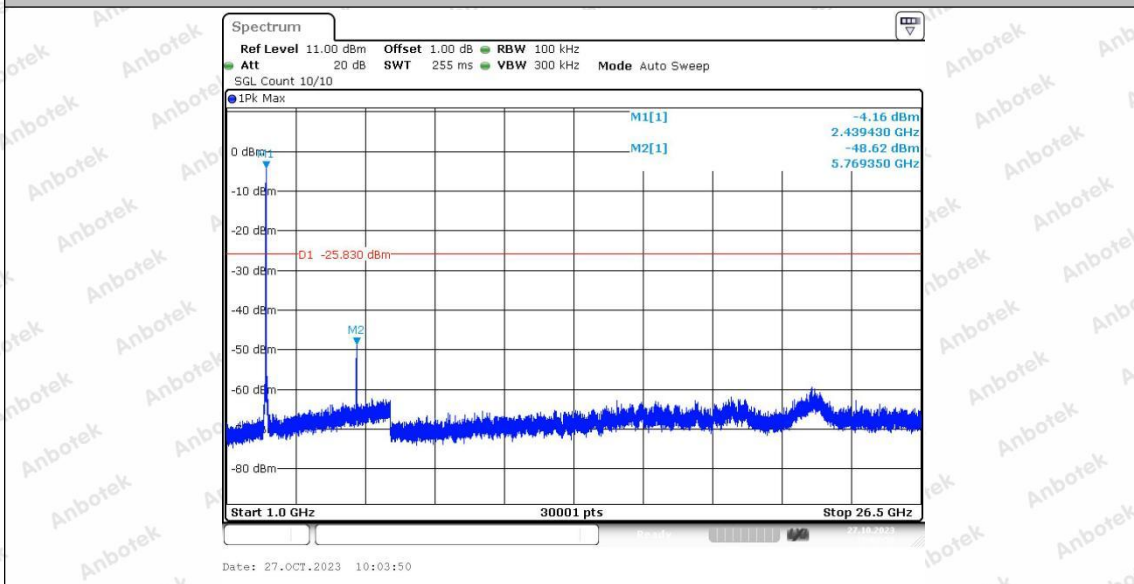
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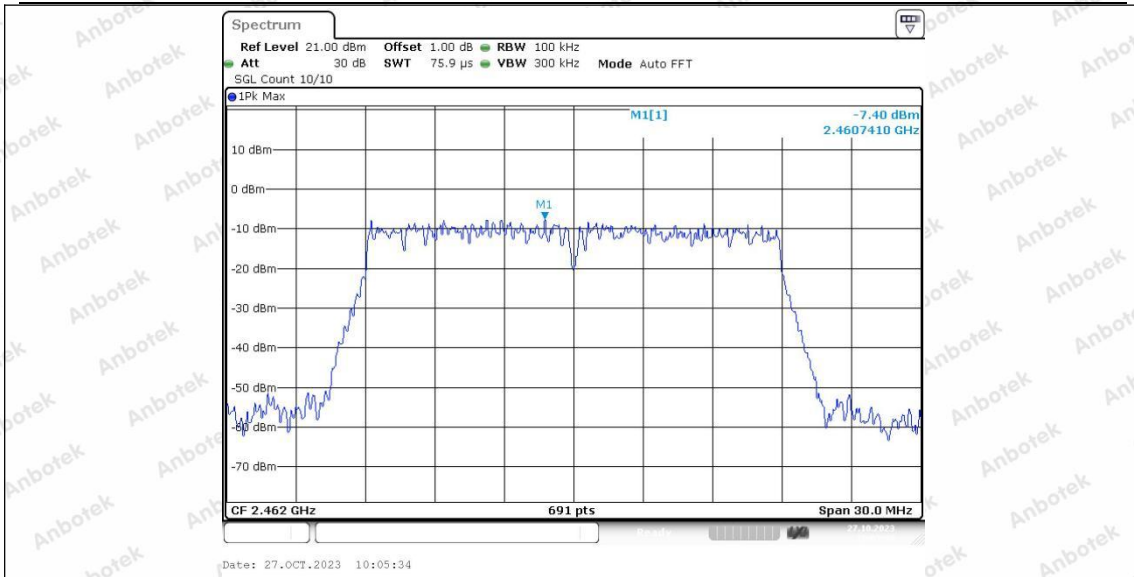
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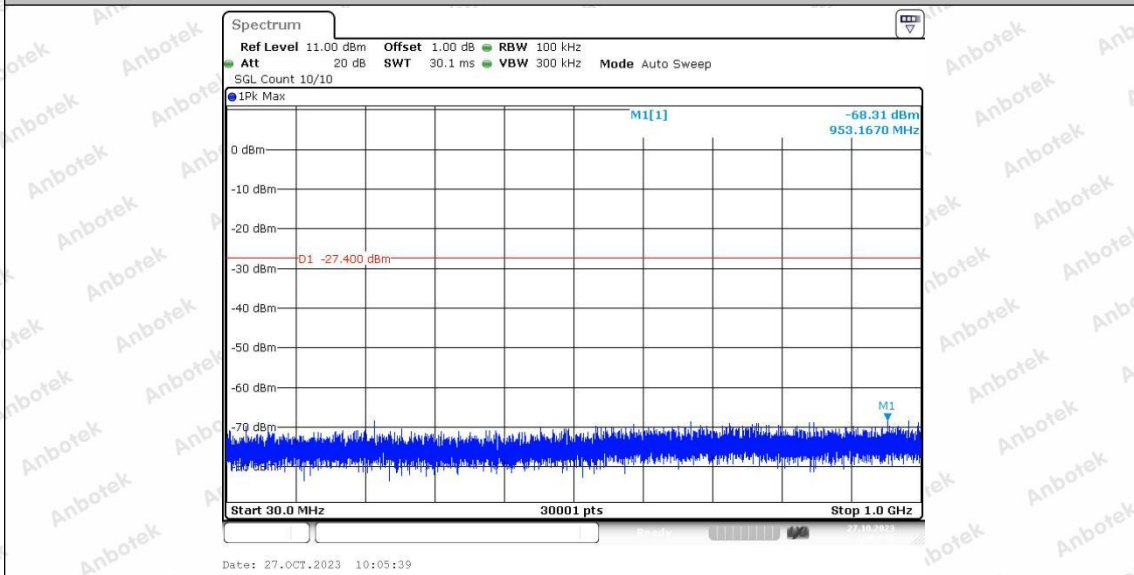
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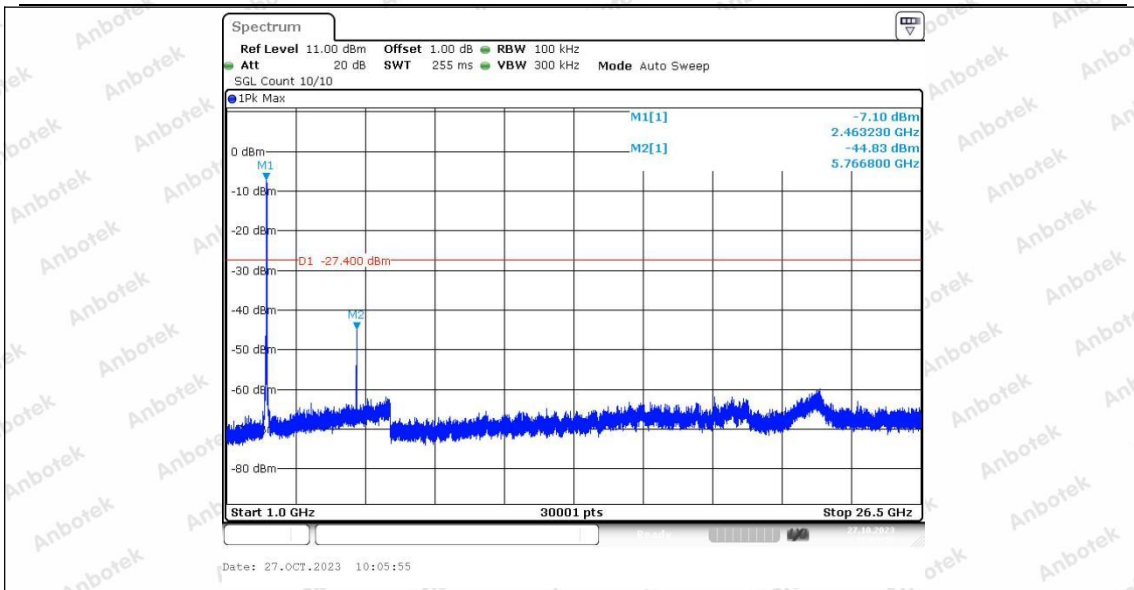
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.36	8.39	99.64	0.02
		2437	8.36	8.39	99.64	0.02
		2462	8.36	8.39	99.64	0.02
11G	Ant1	2412	1.39	1.42	97.89	0.09
		2437	1.38	1.42	97.18	0.12
		2462	1.38	1.42	97.18	0.12
11N20SISO	Ant1	2412	1.29	1.33	96.99	0.13
		2437	1.30	1.33	97.74	0.10
		2462	1.29	1.32	97.73	0.10

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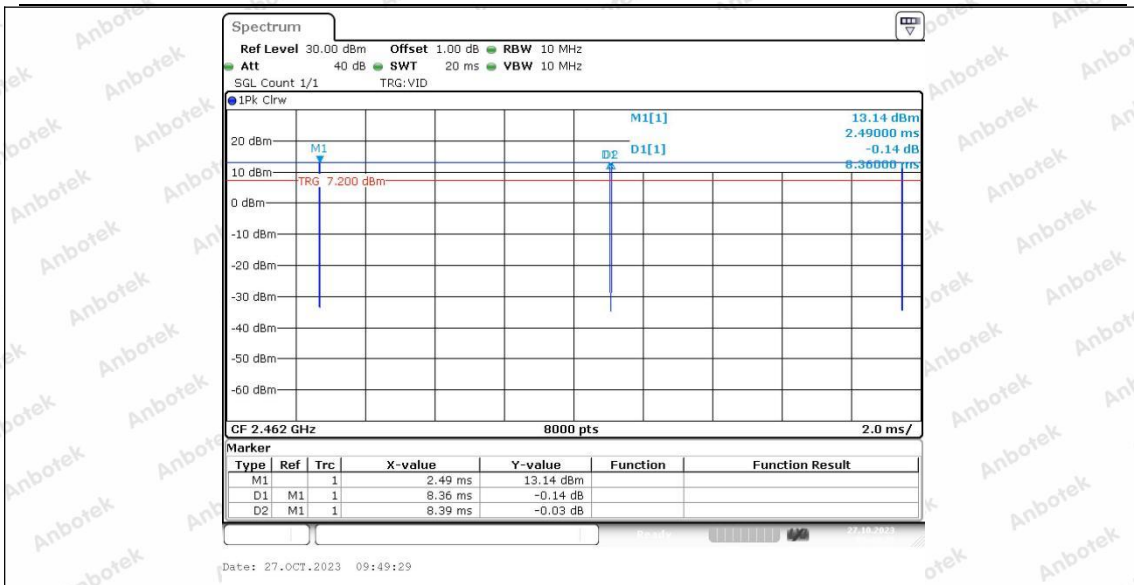


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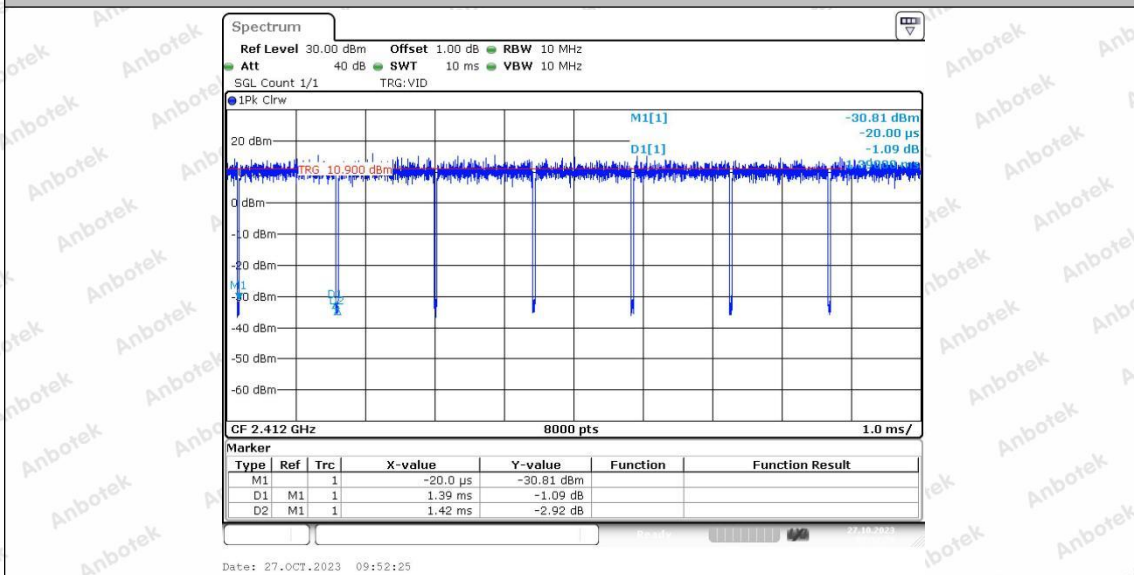


Test Graphs



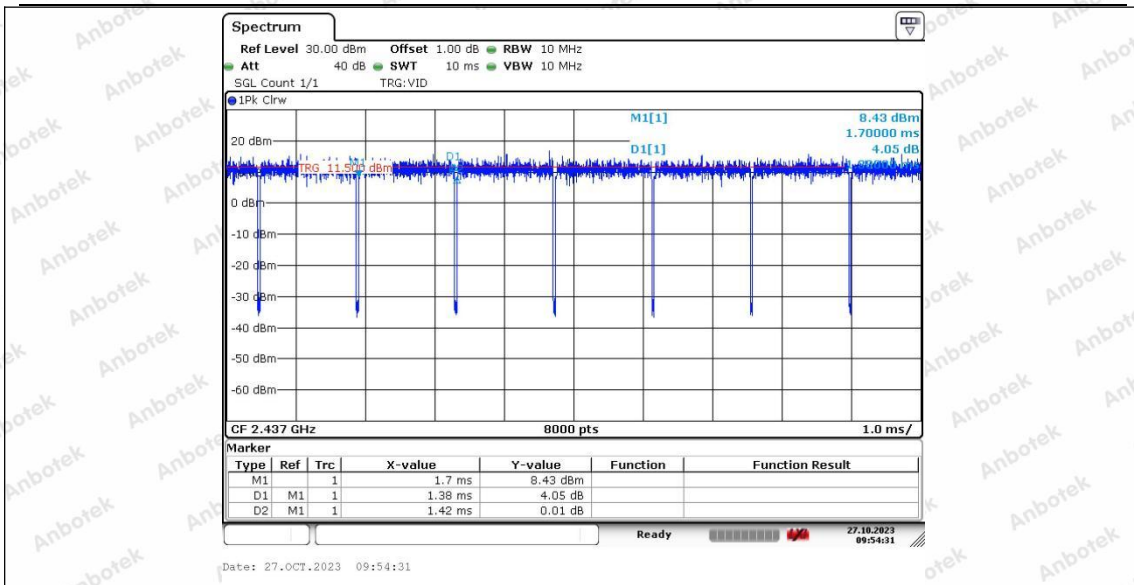


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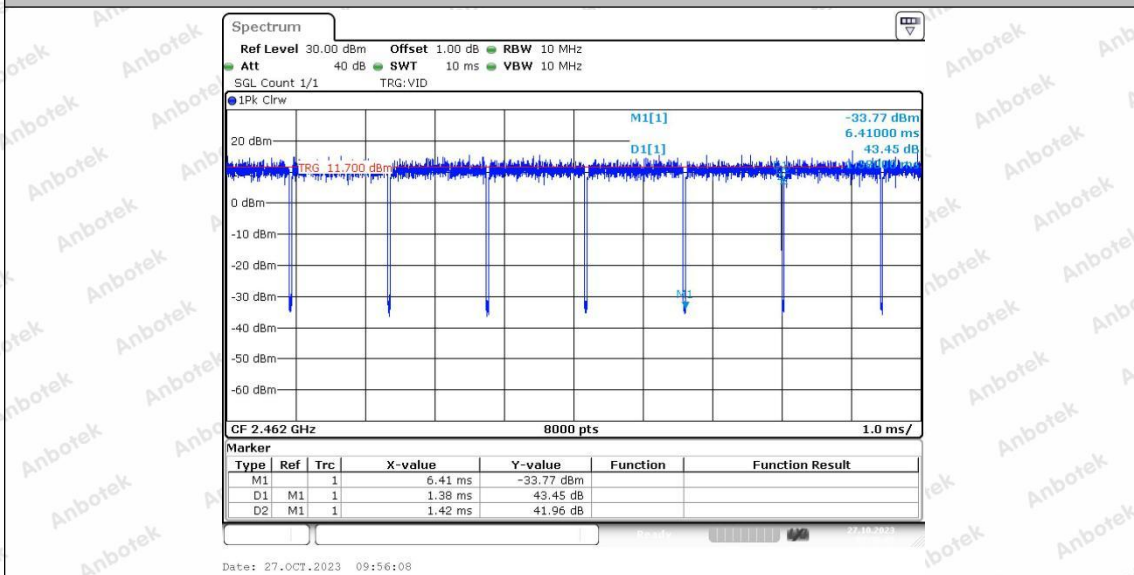


11G_Ant1_2437





11G_Ant1_2462



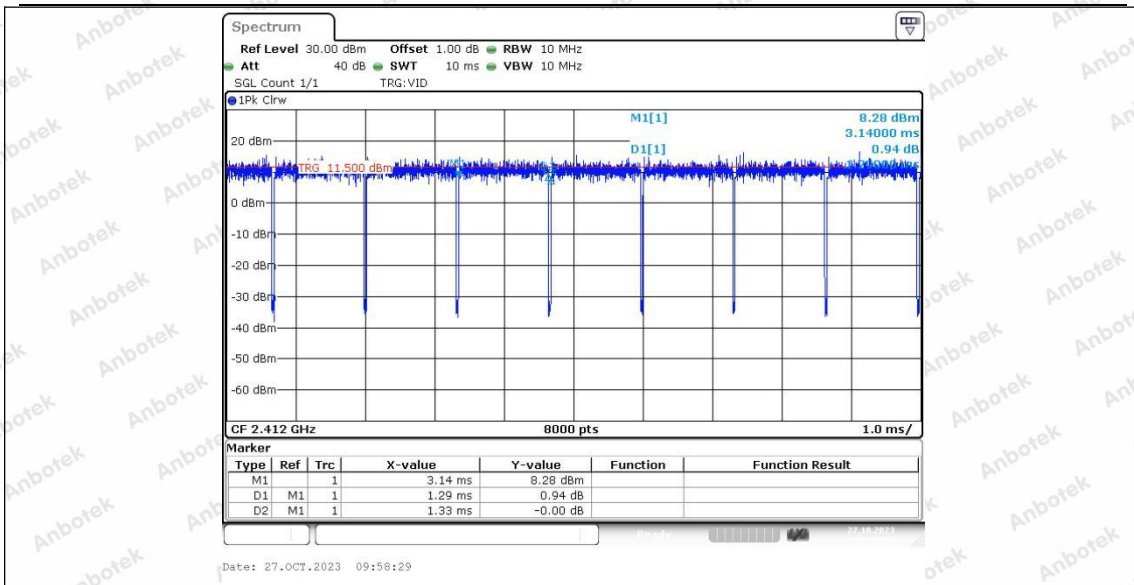
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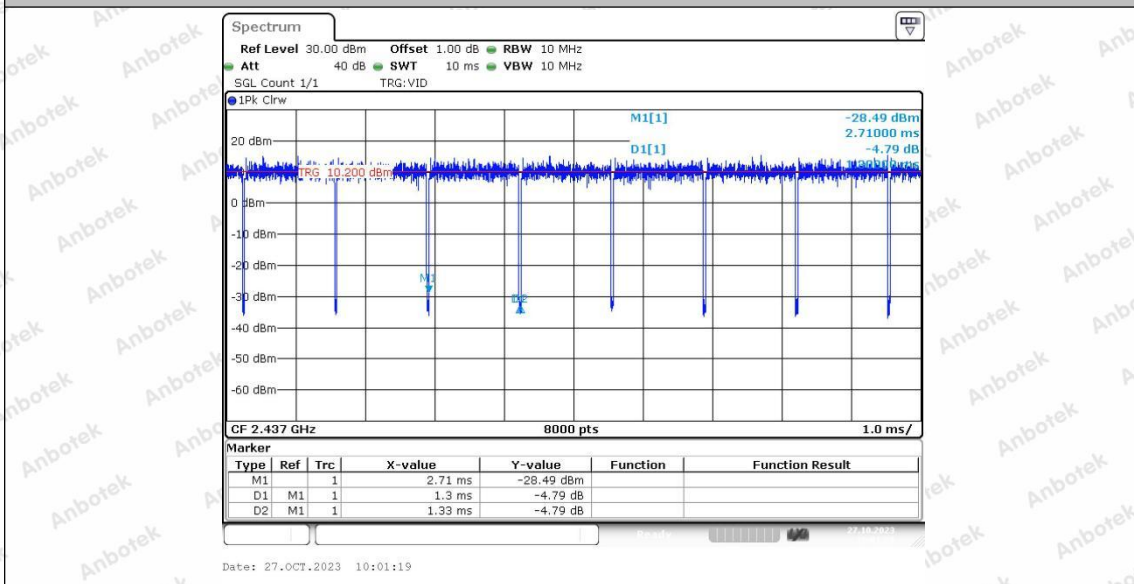
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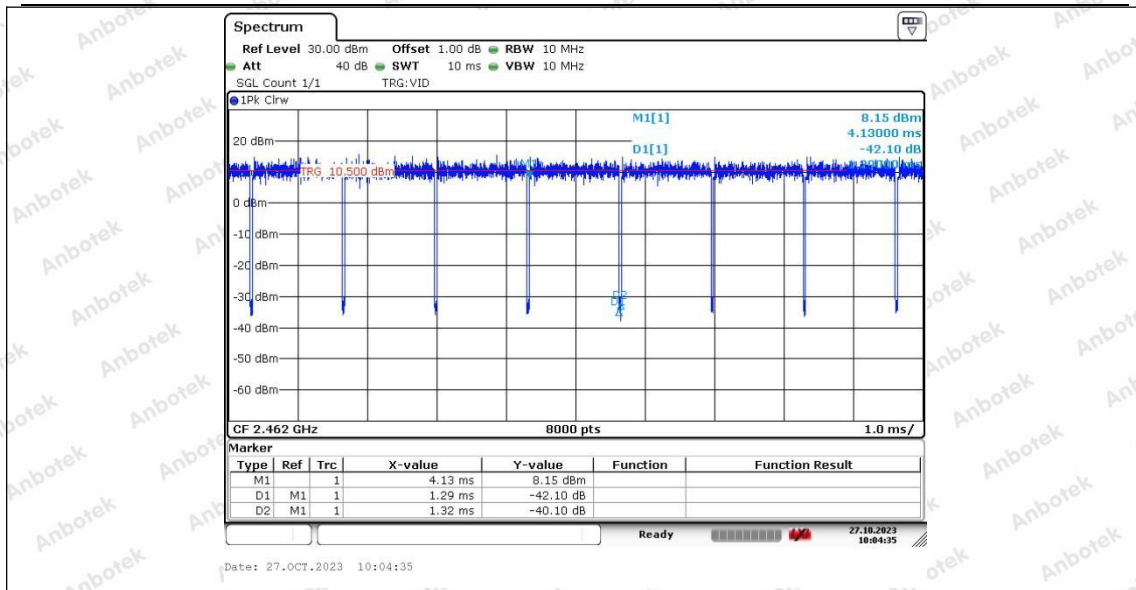


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





---End---

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