

Appendix Test Data

Report No.:	18220WC30203702	Test Sample No.:	1-2-2
Start Test Date:	2023.10.08	Finish Test Date:	2023.10.13
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	48.5%
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	9.56	2407.00	2416.56	≥0.5	PASS
		2437	9.04	2432.48	2441.52	≥0.5	PASS
		2462	9.04	2457.00	2466.04	≥0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	≥0.5	PASS
		2437	16.32	2428.84	2445.16	≥0.5	PASS
		2462	16.36	2453.80	2470.16	≥0.5	PASS
11N20SISO	Ant1	2412	17.60	2403.20	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



Test Graphs



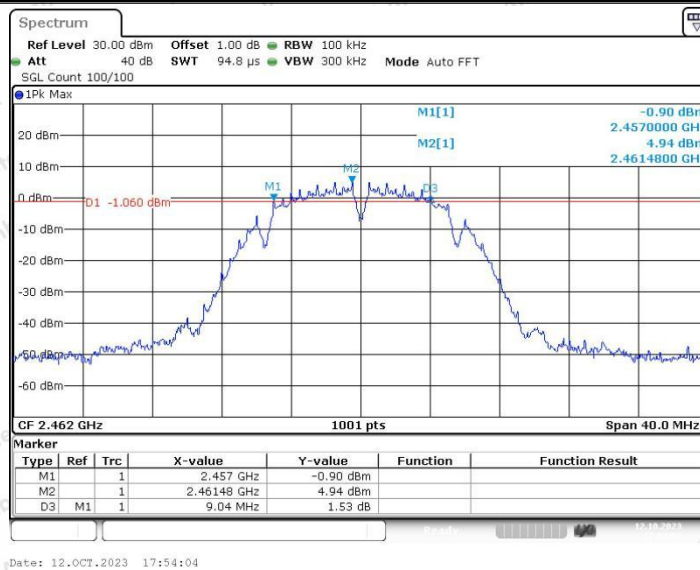
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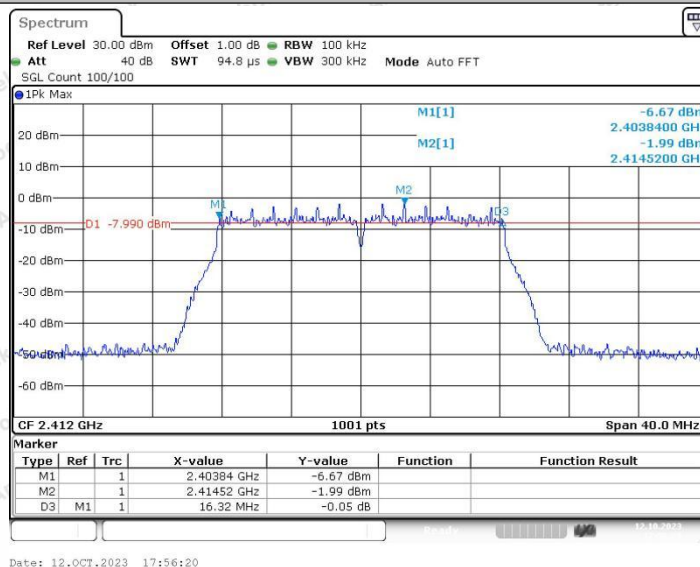


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11G_Ant1_2412



11G_Ant1_2437

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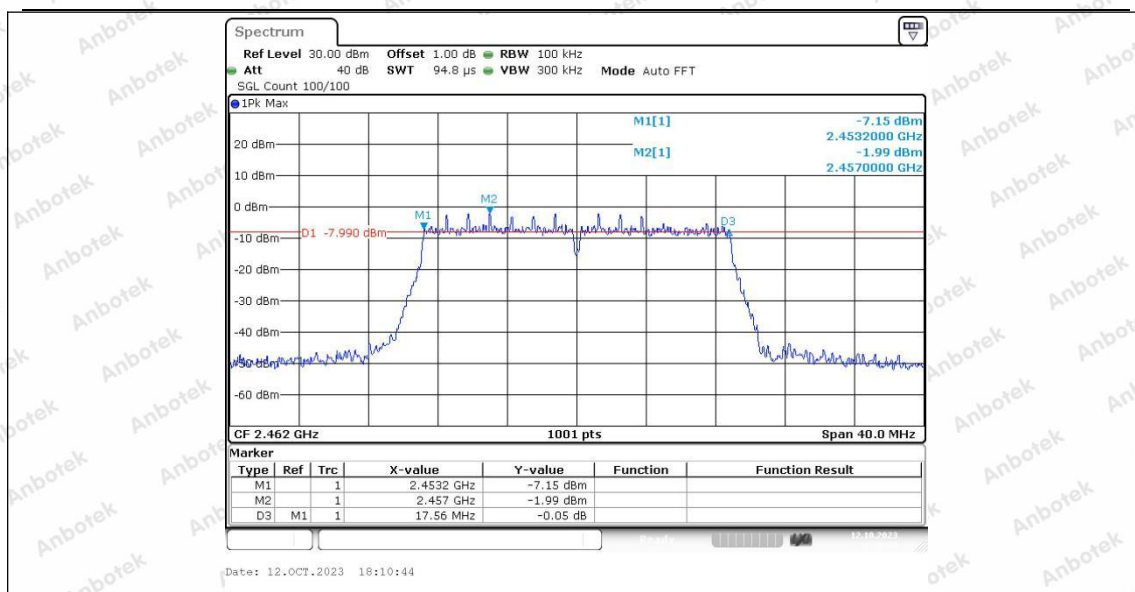
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.308	2405.8861	2418.1938	---	---
		2437	12.348	2430.8462	2443.1938	---	---
		2462	12.308	2455.8462	2468.1538	---	---
11G	Ant1	2412	17.183	2403.4885	2420.6713	---	---
		2437	17.263	2428.3686	2445.6314	---	---
		2462	17.263	2453.3686	2470.6314	---	---
11N20SISO	Ant1	2412	17.982	2403.0490	2421.0310	---	---
		2437	18.022	2427.9690	2445.9910	---	---
		2462	18.062	2452.9690	2471.0310	---	---



Test Graphs



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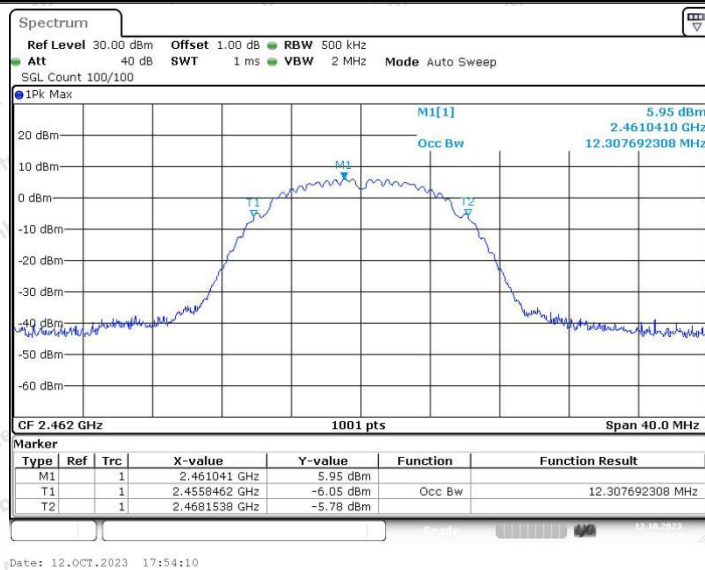


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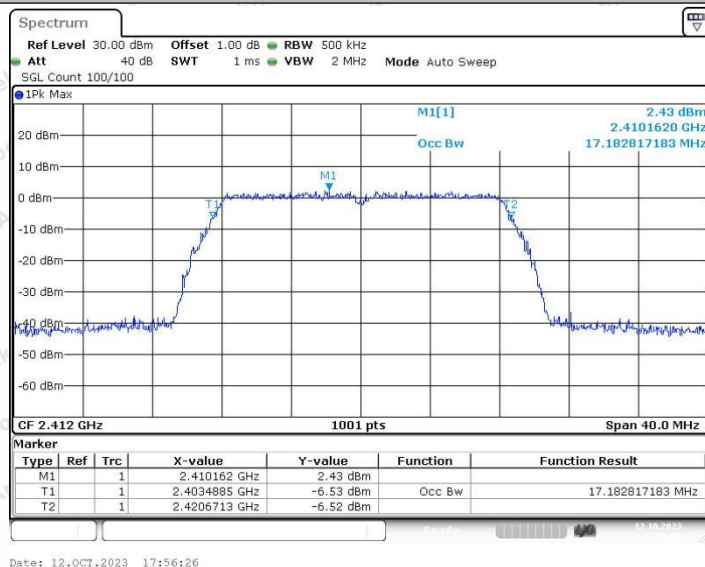
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11G_Ant1_2412



11G_Ant1_2437

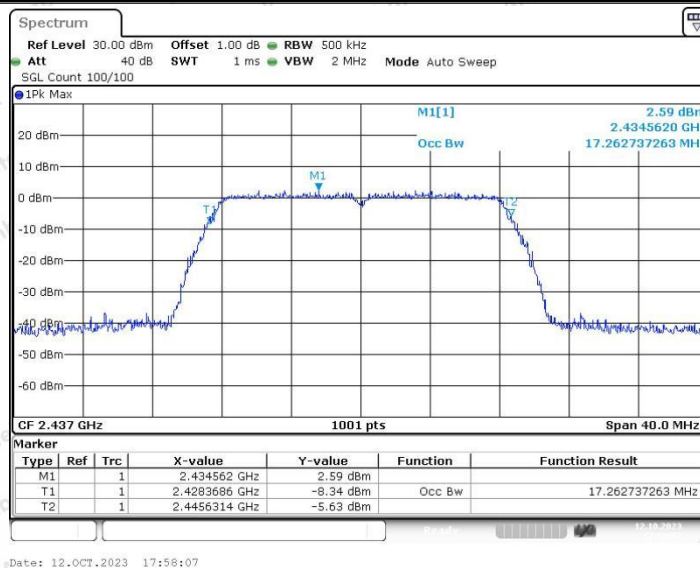
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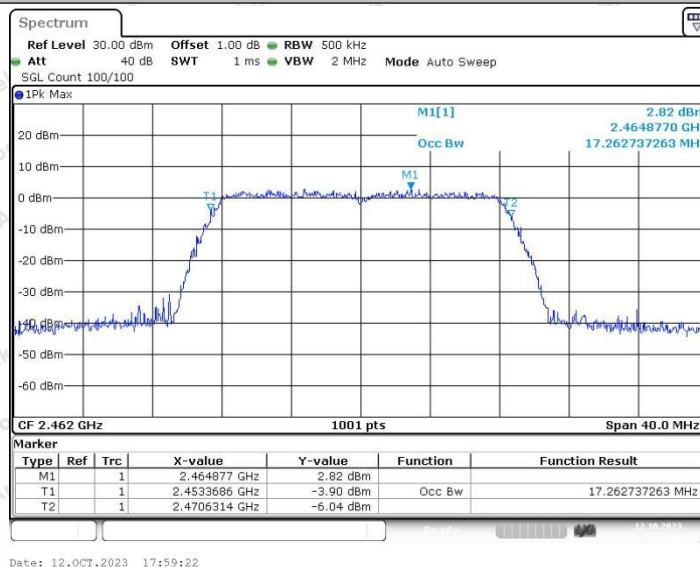


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11G_Ant1_2462



11N20SISO_Ant1_2412

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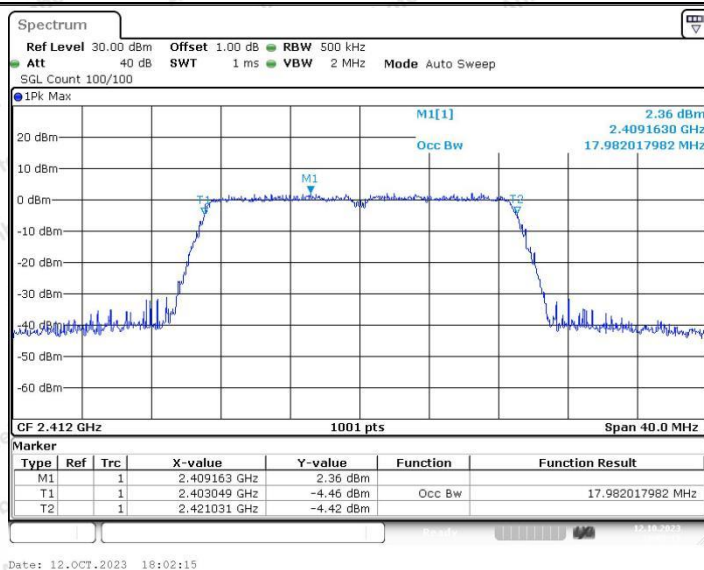


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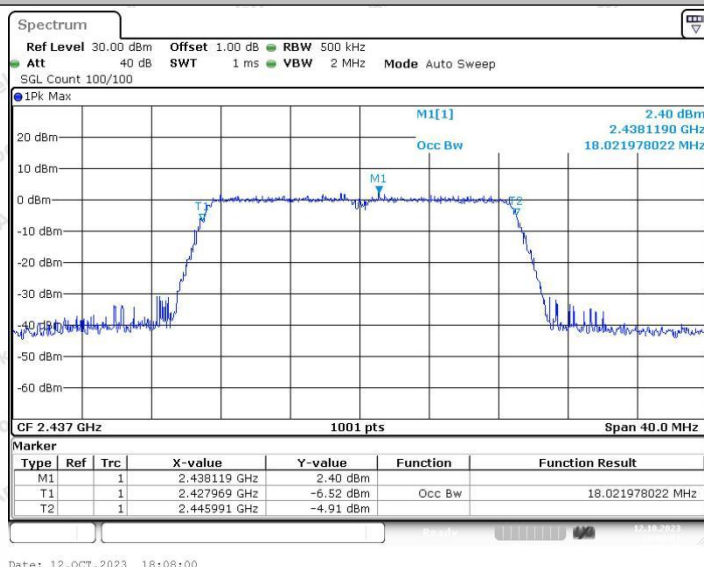
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

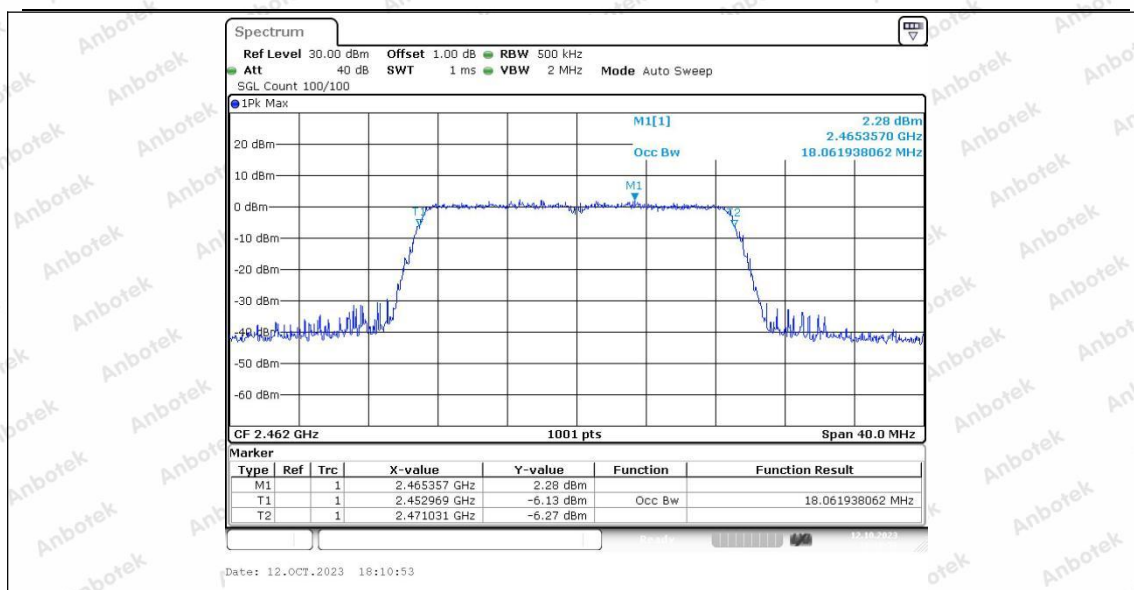
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	17.14	≤30.00
		2437	17.43	≤30.00
		2462	17.48	≤30.00
11G	Ant1	2412	16.73	≤30.00
		2437	16.60	≤30.00
		2462	16.96	≤30.00
11N20SISO	Ant1	2412	17.40	≤30.00
		2437	17.25	≤30.00
		2462	17.47	≤30.00



Appendix D: Maximum power spectral density

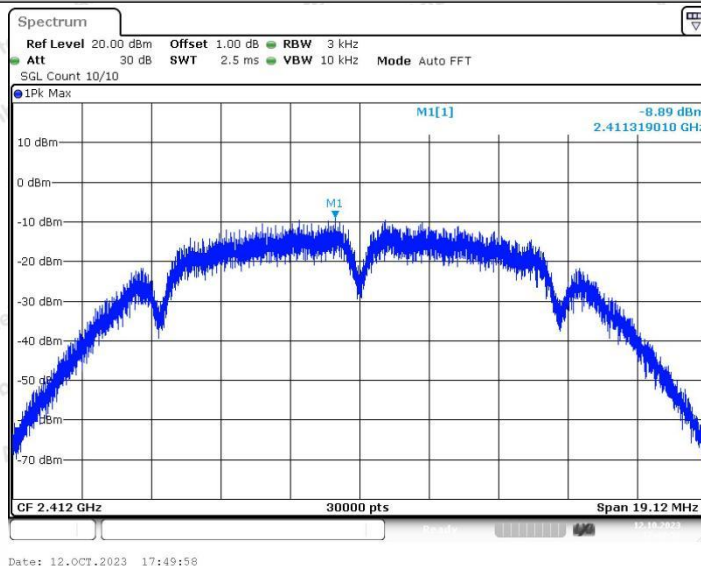
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.89	≤8.00	PASS
		2437	-8.63	≤8.00	PASS
		2462	-9.54	≤8.00	PASS
11G	Ant1	2412	-16.69	≤8.00	PASS
		2437	-16.61	≤8.00	PASS
		2462	-15.6	≤8.00	PASS
11N20SISO	Ant1	2412	-17.14	≤8.00	PASS
		2437	-17.16	≤8.00	PASS
		2462	-16.54	≤8.00	PASS

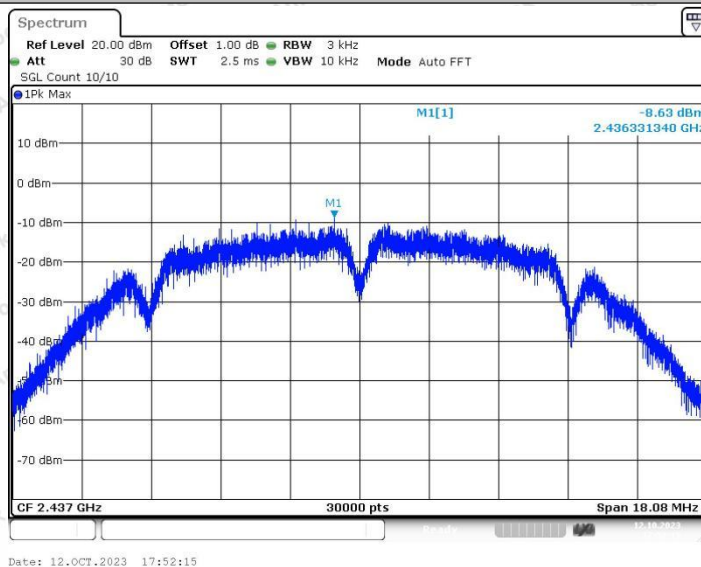


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

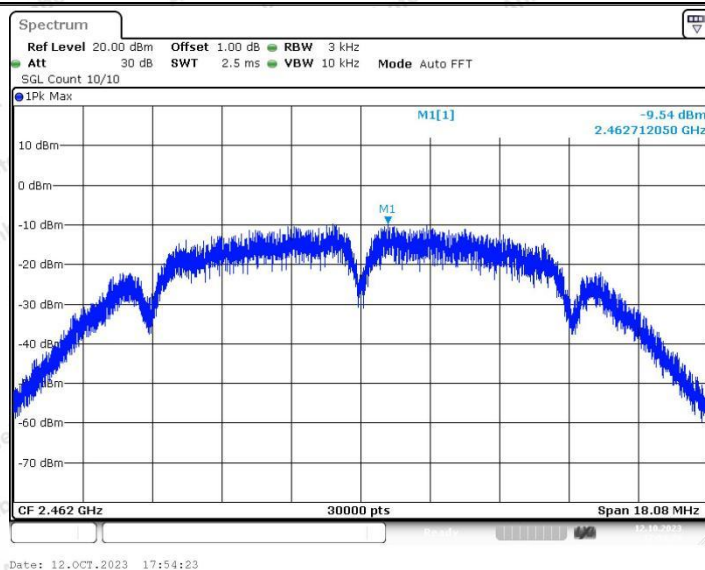
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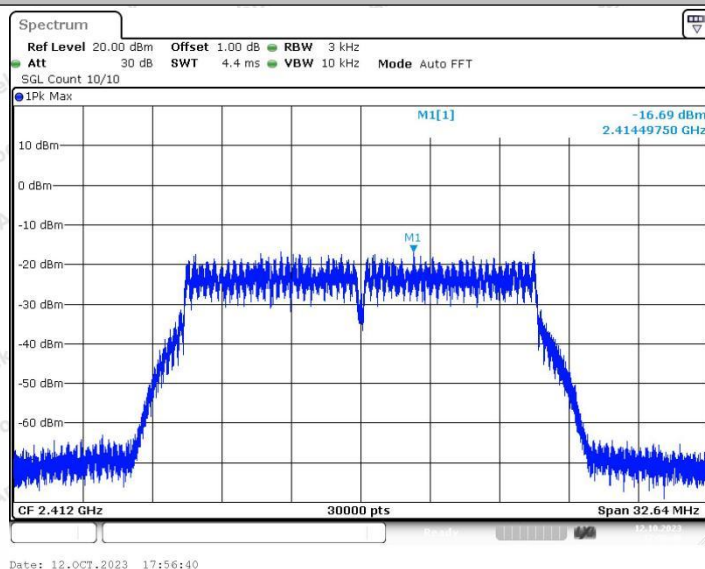


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11G_Ant1_2412



11G_Ant1_2437

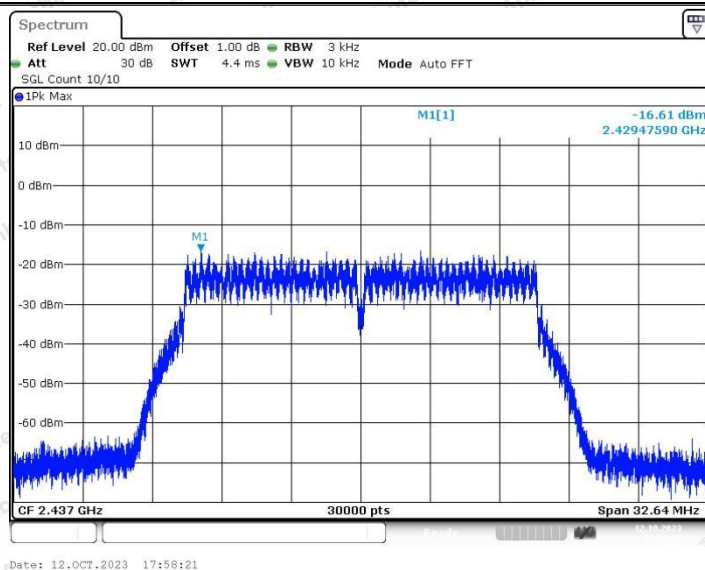
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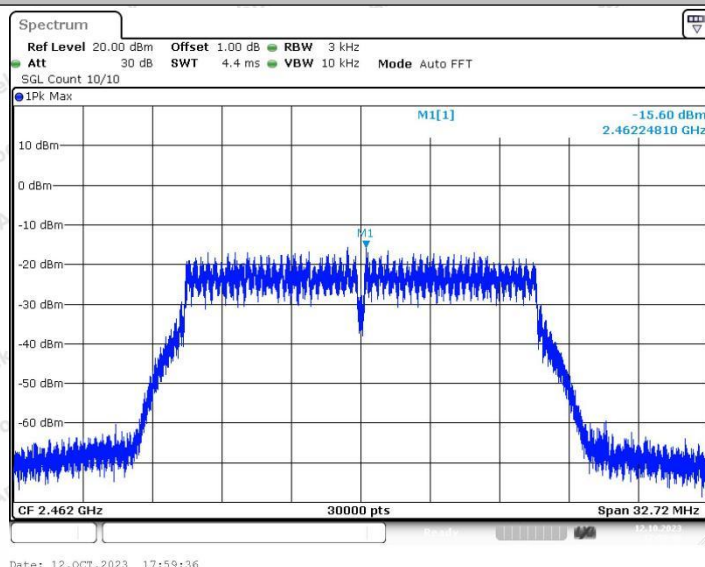


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11G_Ant1_2462



11N20SISO_Ant1_2412

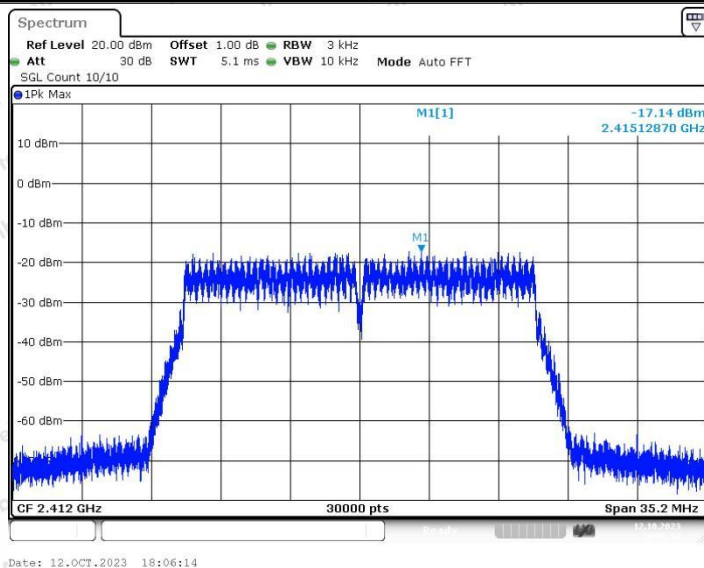
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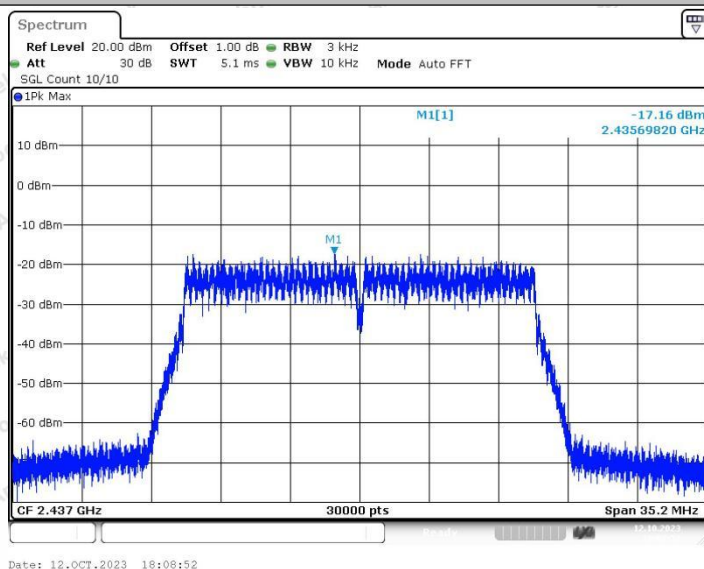


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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

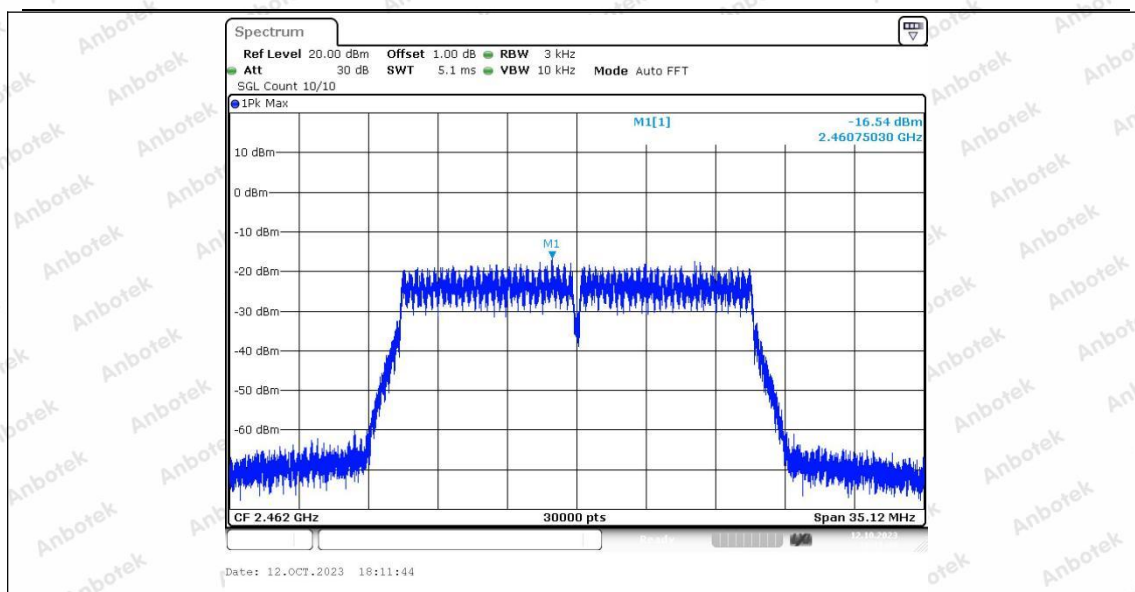
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Appendix E: Band edge measurements

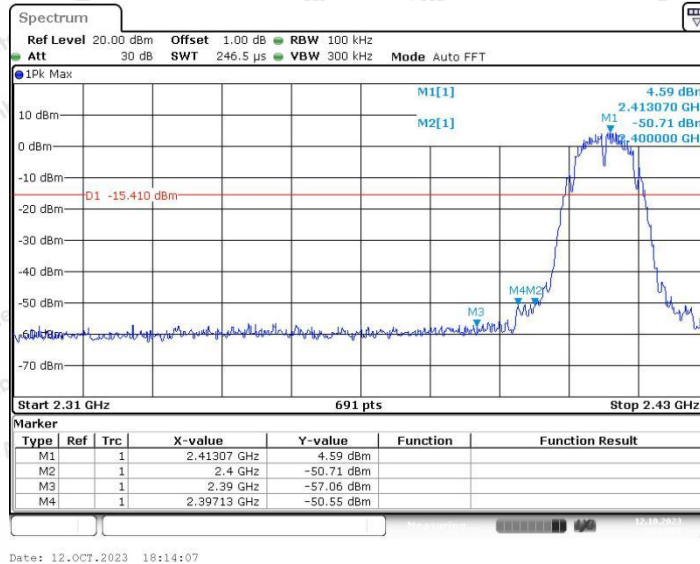
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.59	-50.55	≤-15.41	PASS
		High	2462	3.05	-55.82	≤-16.95	PASS
11G	Ant1	Low	2412	-5.29	-48.76	≤-25.29	PASS
		High	2462	-2.02	-54.65	≤-22.02	PASS
11N20SISO	Ant1	Low	2412	-5.85	-50.49	≤-25.85	PASS
		High	2462	-1.99	-53.8	≤-21.99	PASS

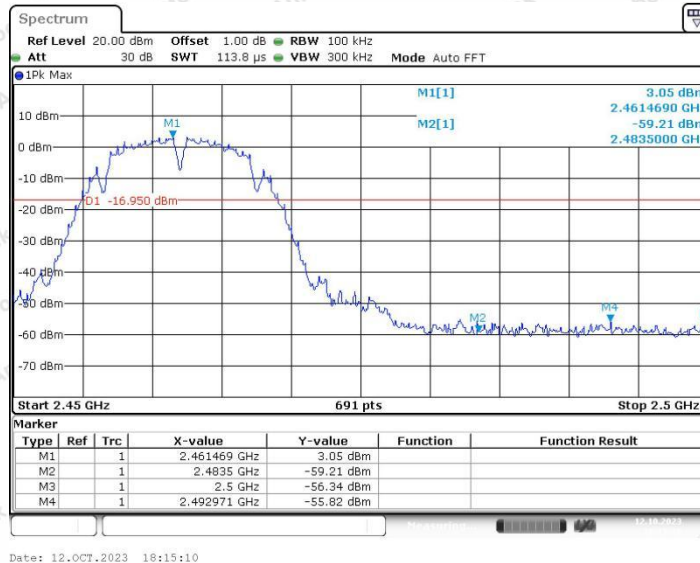


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



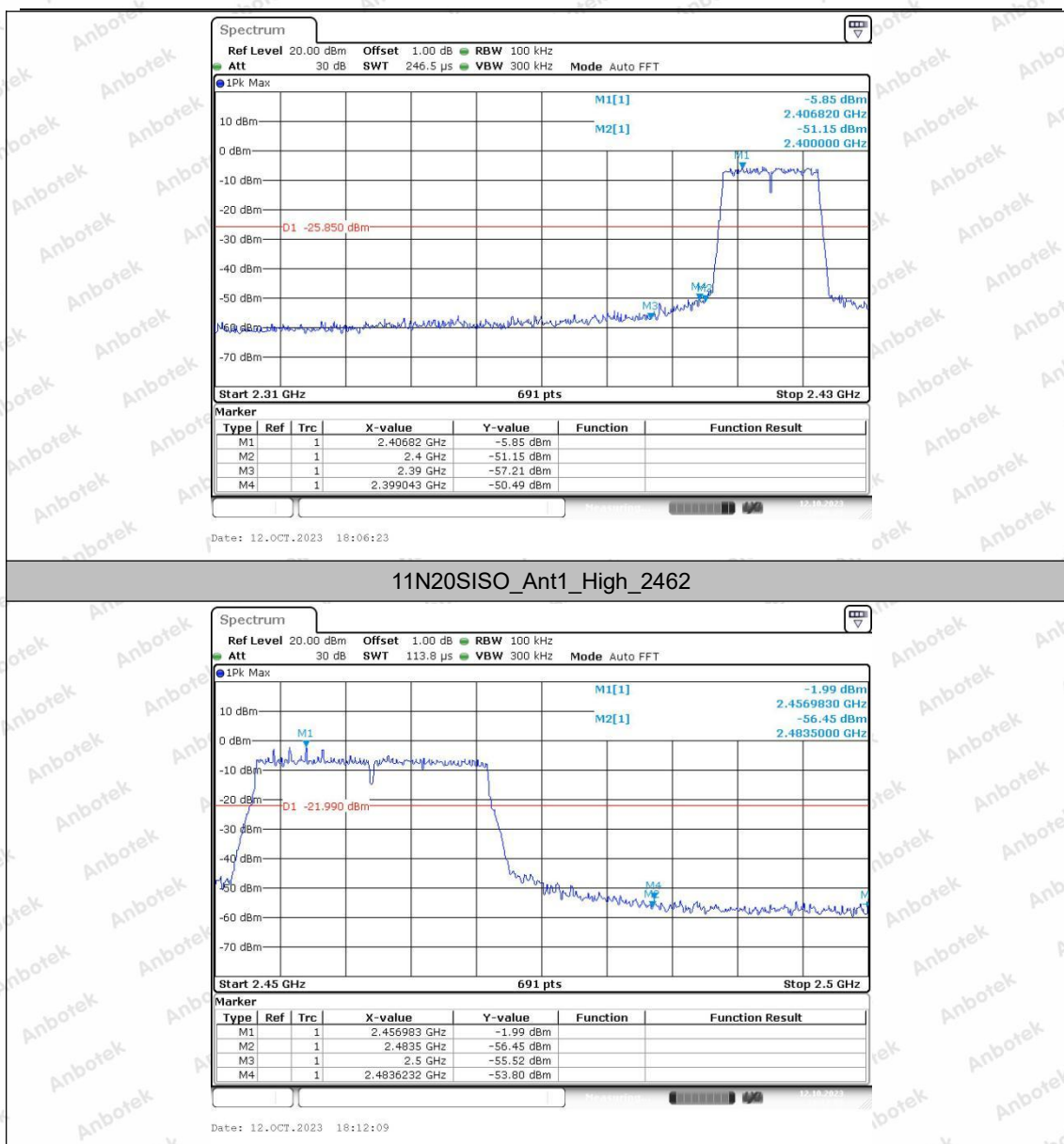
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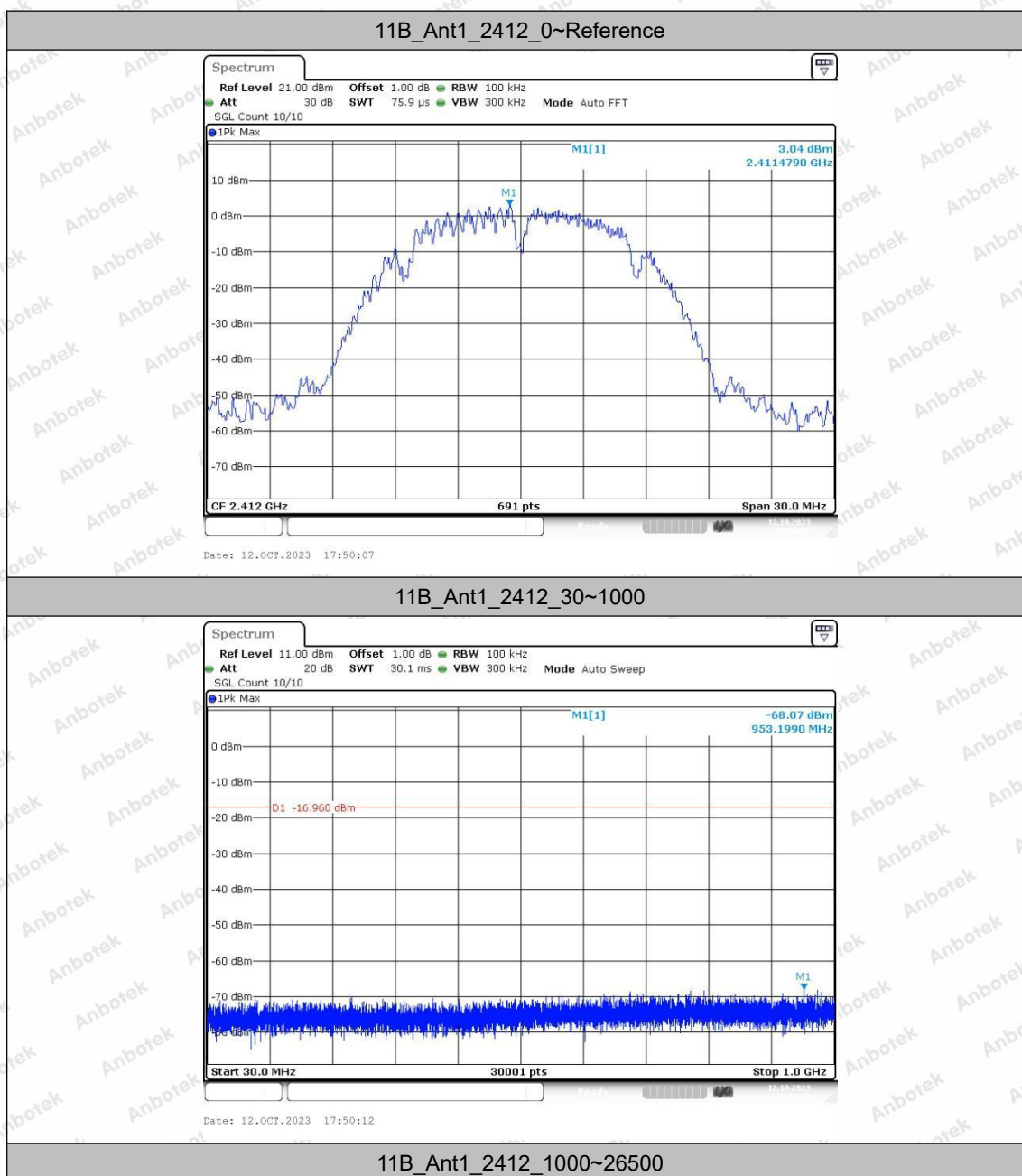
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.04	3.04	---	PASS
			30~1000	3.04	-68.07	≤-16.96	PASS
			1000~26500	3.04	-45.55	≤-16.96	PASS
		2437	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-67.91	≤-17.15	PASS
			1000~26500	2.85	-41.33	≤-17.15	PASS
		2462	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-68.61	≤-15.99	PASS
			1000~26500	4.01	-41.59	≤-15.99	PASS
11G	Ant1	2412	Reference	-5.43	-5.43	---	PASS
			30~1000	-5.43	-67.73	≤-25.43	PASS
			1000~26500	-5.43	-41.94	≤-25.43	PASS
		2437	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-67.79	≤-25.75	PASS
			1000~26500	-5.75	-60.48	≤-25.75	PASS
		2462	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-68.13	≤-25.45	PASS
			1000~26500	-5.45	-59.31	≤-25.45	PASS
11N20SISO	Ant1	2412	Reference	-5.94	-5.94	---	PASS
			30~1000	-5.94	-68.7	≤-25.94	PASS
			1000~26500	-5.94	-60	≤-25.94	PASS
		2437	Reference	-6.06	-6.06	---	PASS
			30~1000	-6.06	-68.38	≤-26.06	PASS
			1000~26500	-6.06	-51.21	≤-26.06	PASS
		2462	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-68.2	≤-23.83	PASS
			1000~26500	-3.83	-59.02	≤-23.83	PASS



Test Graphs



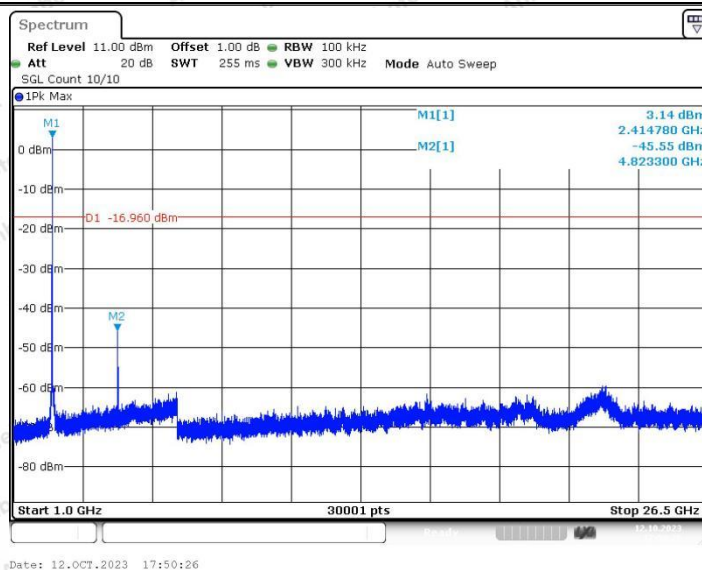
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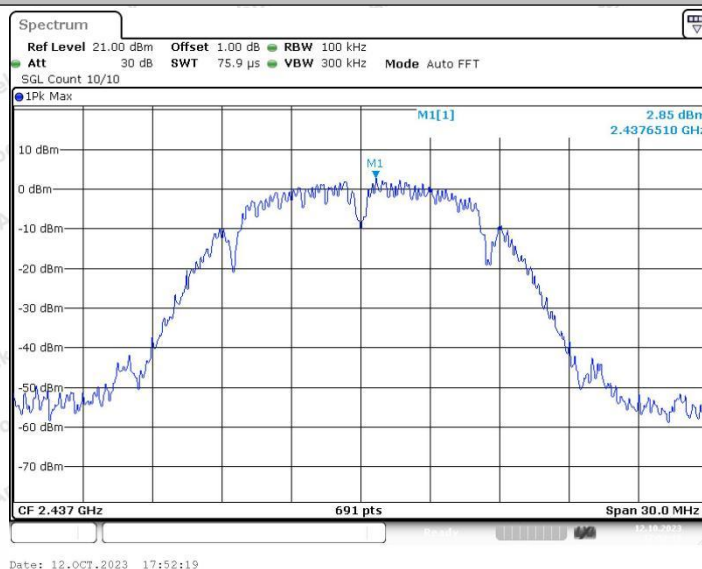


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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

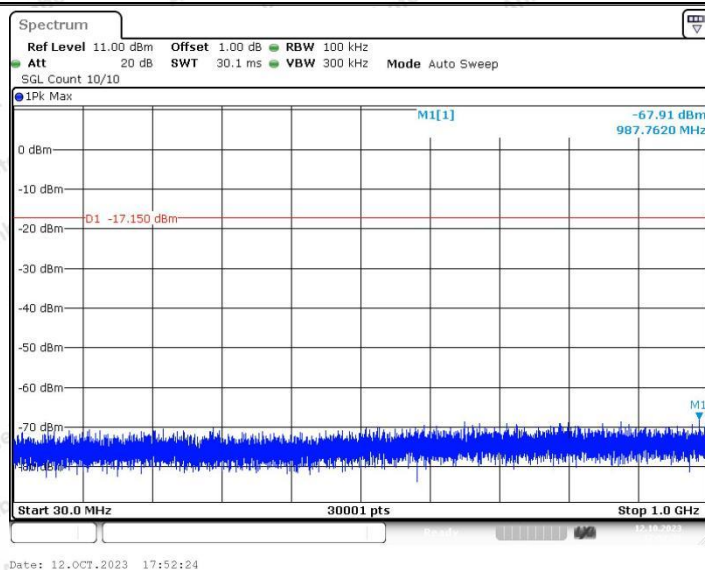
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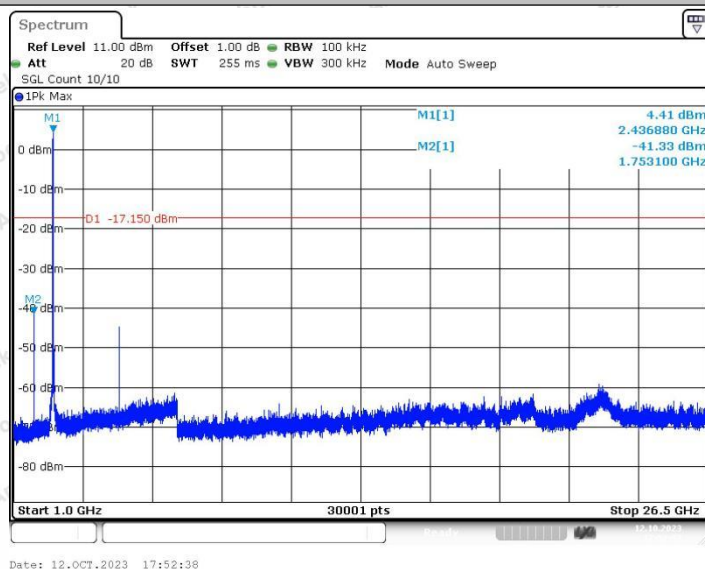


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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

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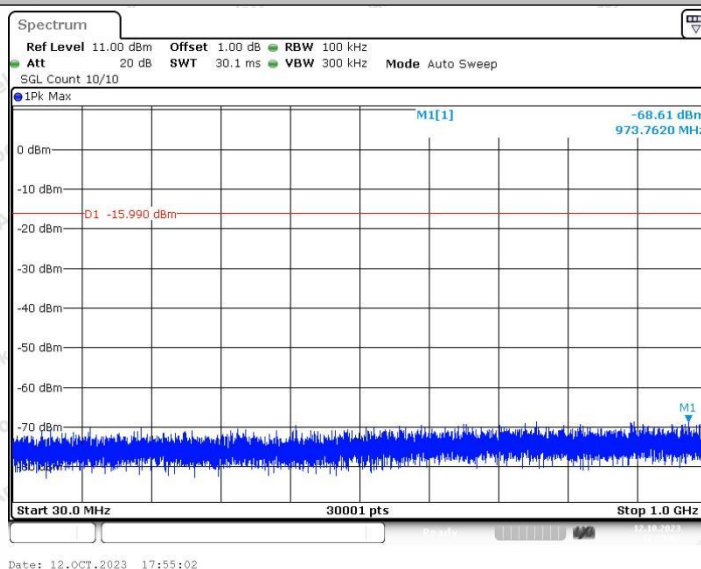


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11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

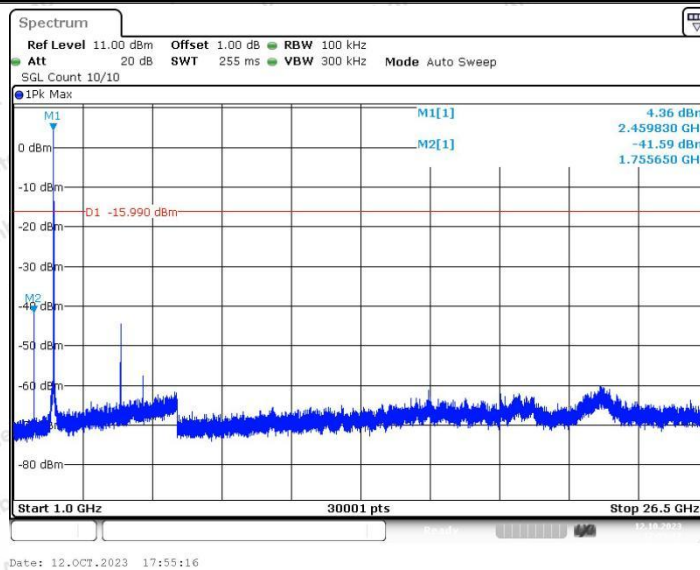
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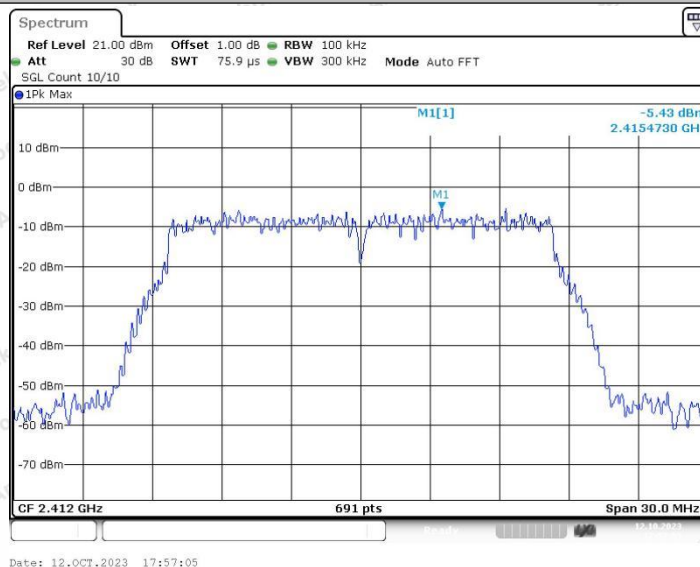


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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

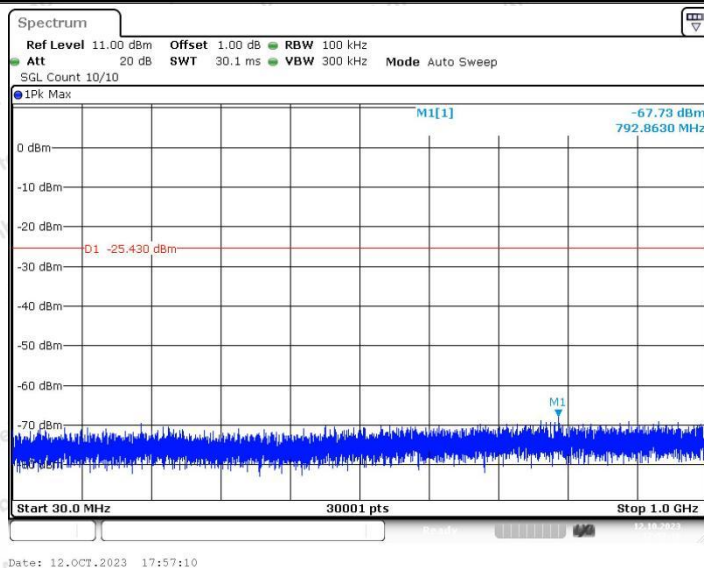
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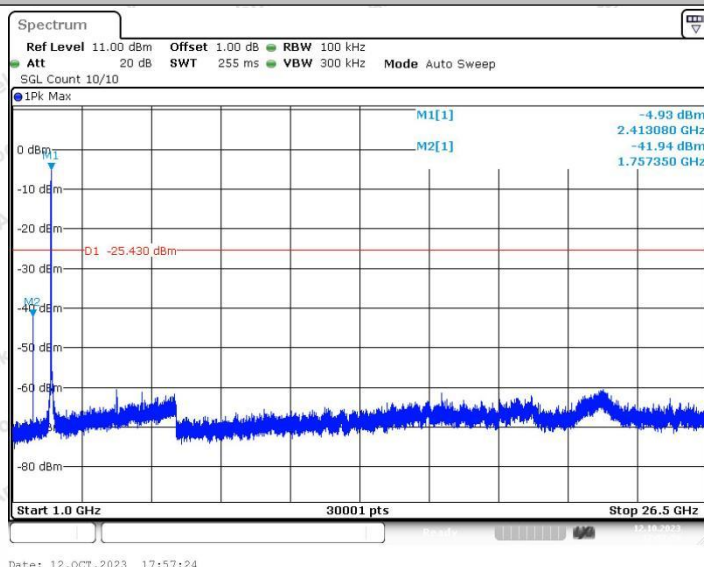


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11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

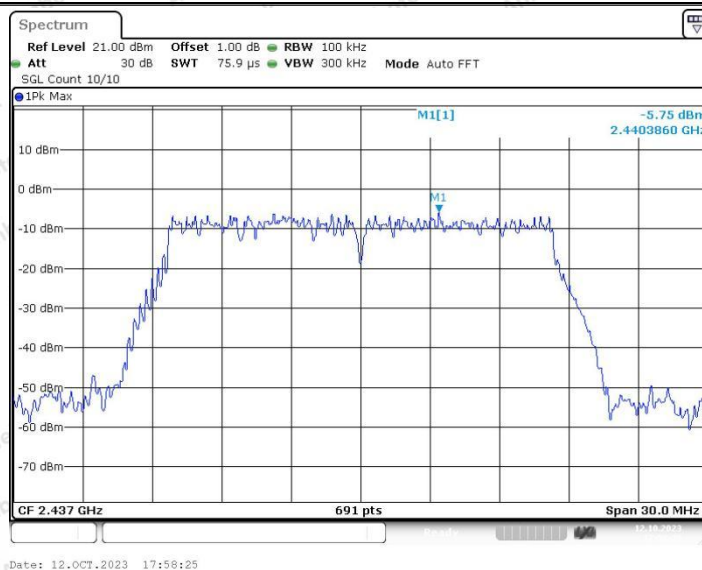
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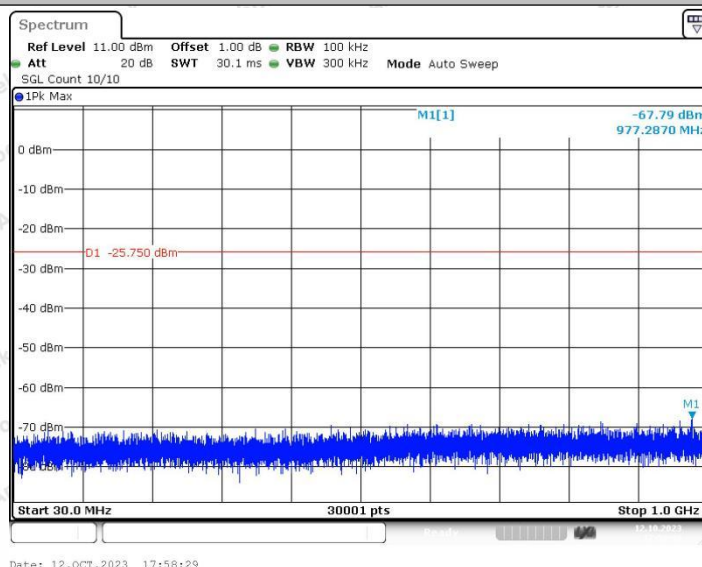


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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

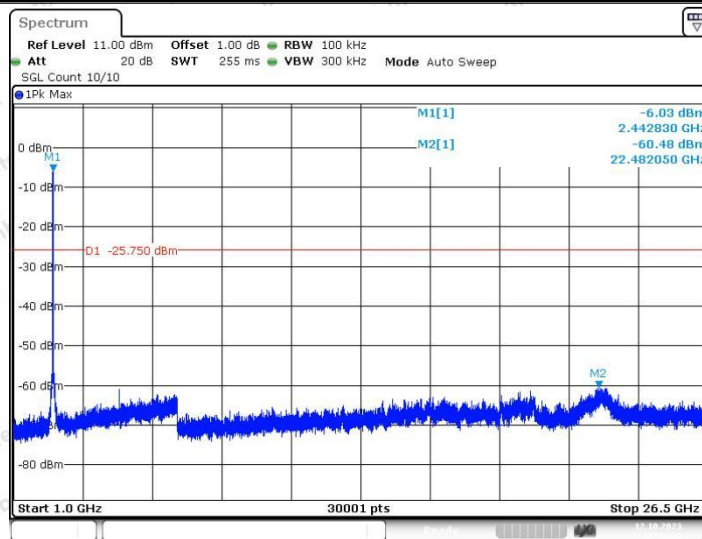
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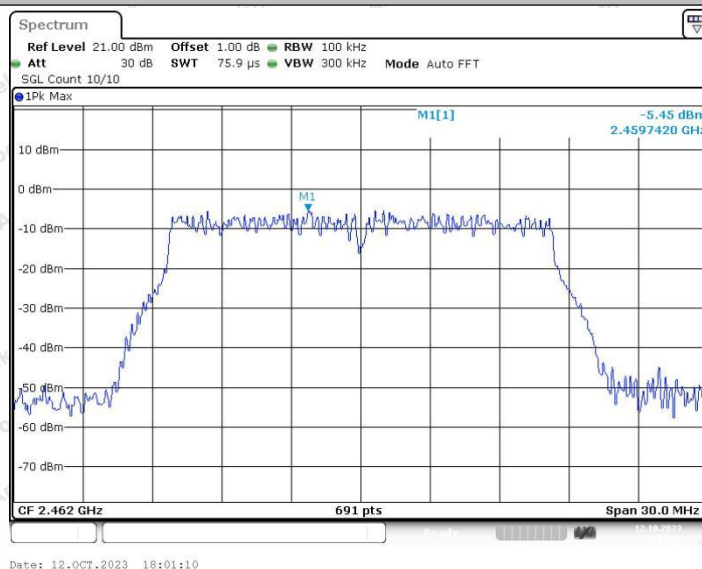


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11G_Ant1_2462_0~Reference



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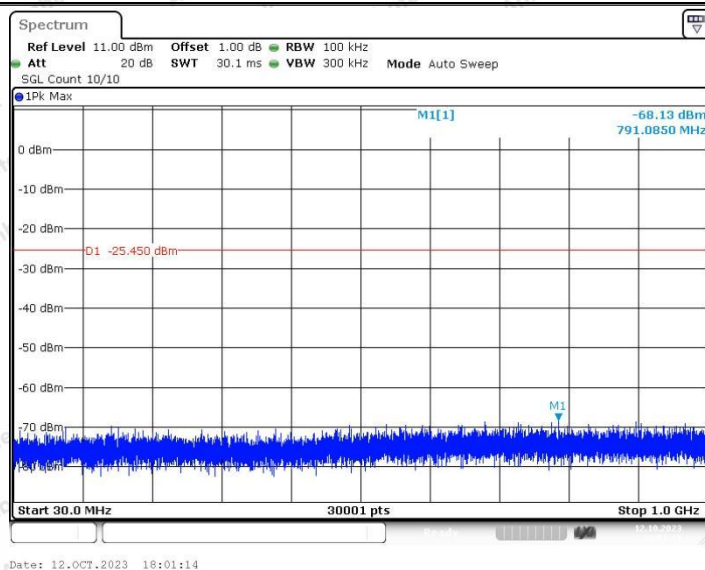
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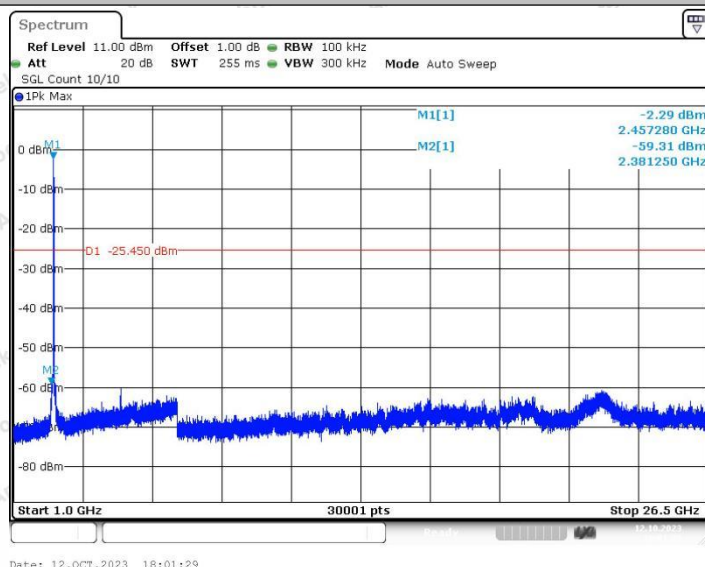


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11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference

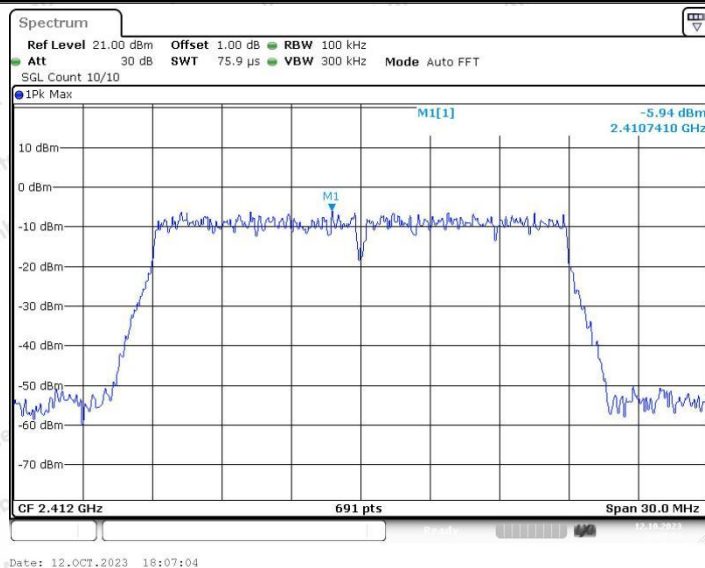
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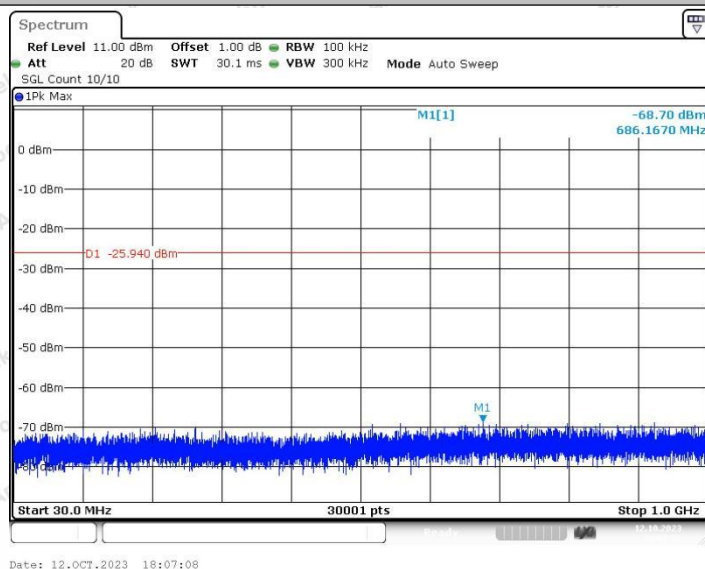


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11N20SISO_Ant1_2412_30~1000



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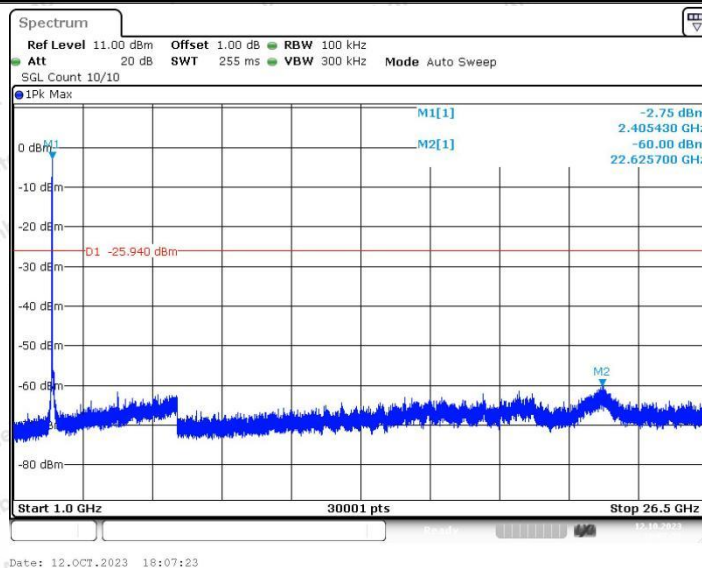
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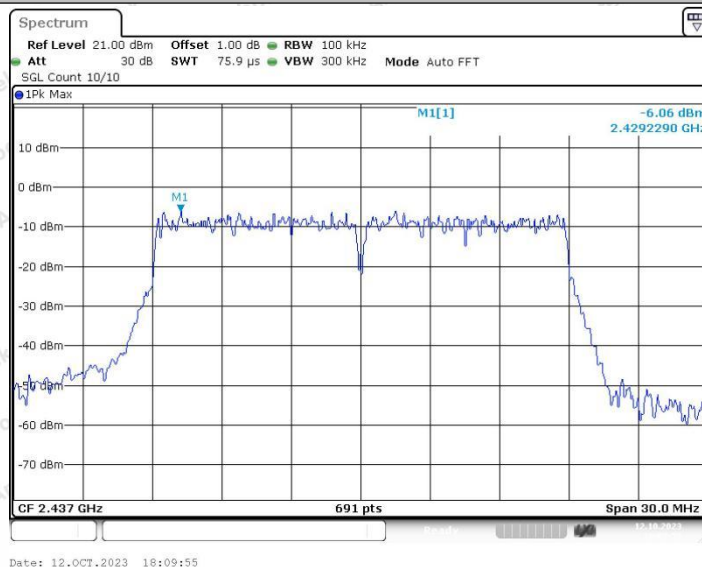


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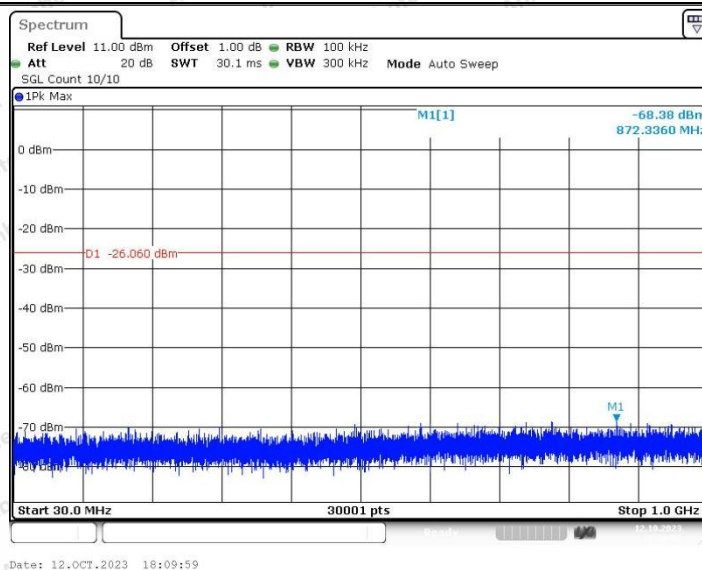
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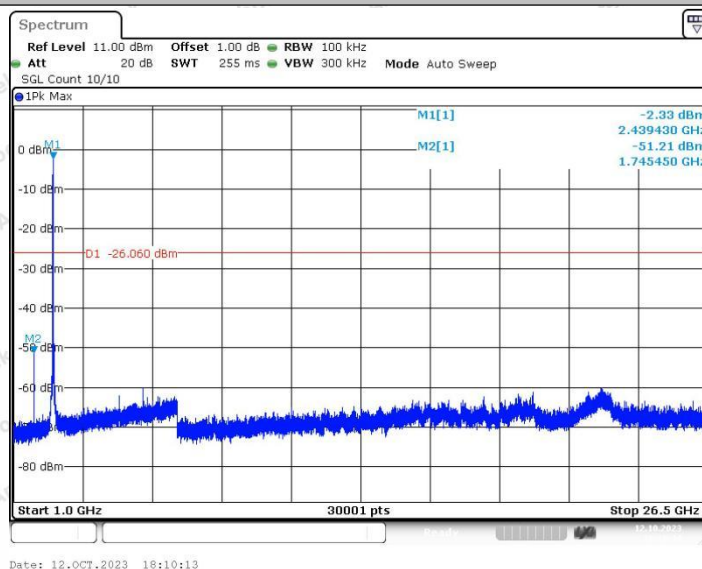


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

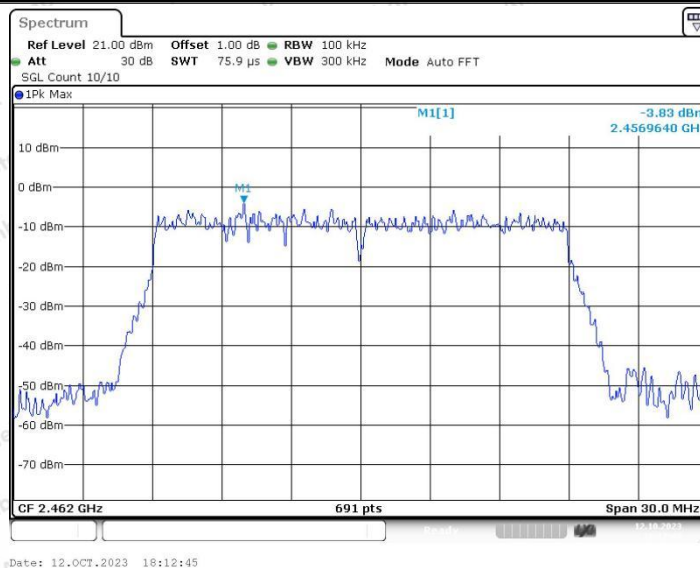
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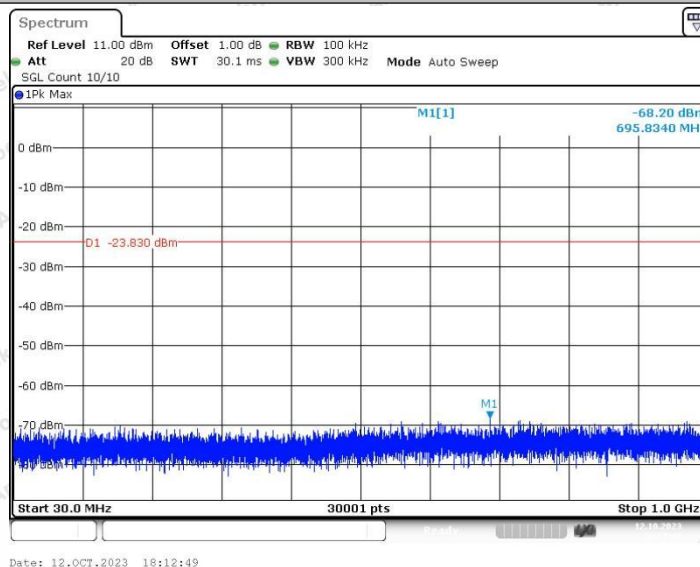


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11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

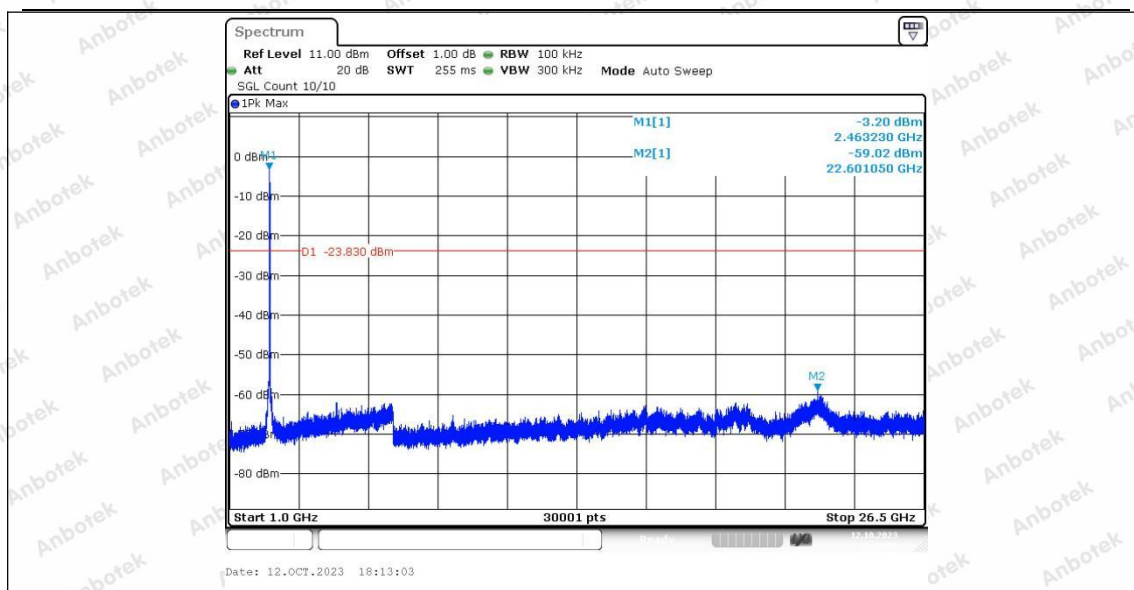
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.36	8.39	99.64	0.02
		2437	8.36	8.38	99.76	0.01
		2462	8.35	8.38	99.64	0.02
11G	Ant1	2412	1.38	1.41	97.87	0.09
		2437	1.38	1.42	97.18	0.12
		2462	1.39	1.42	97.89	0.09
11N20SISO	Ant1	2412	1.29	1.33	96.99	0.13
		2437	1.29	1.33	96.99	0.13
		2462	1.29	1.32	97.73	0.10



Test Graphs



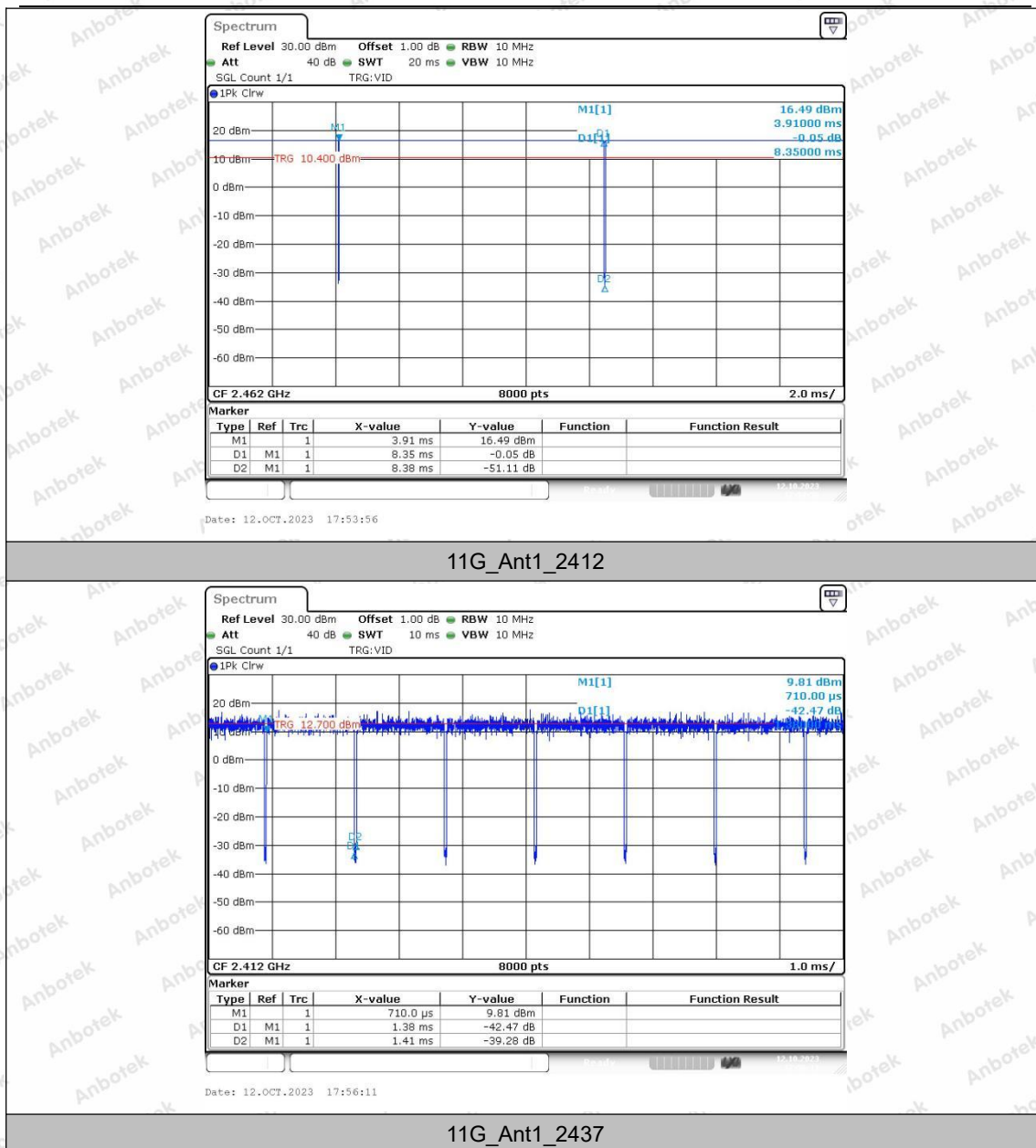
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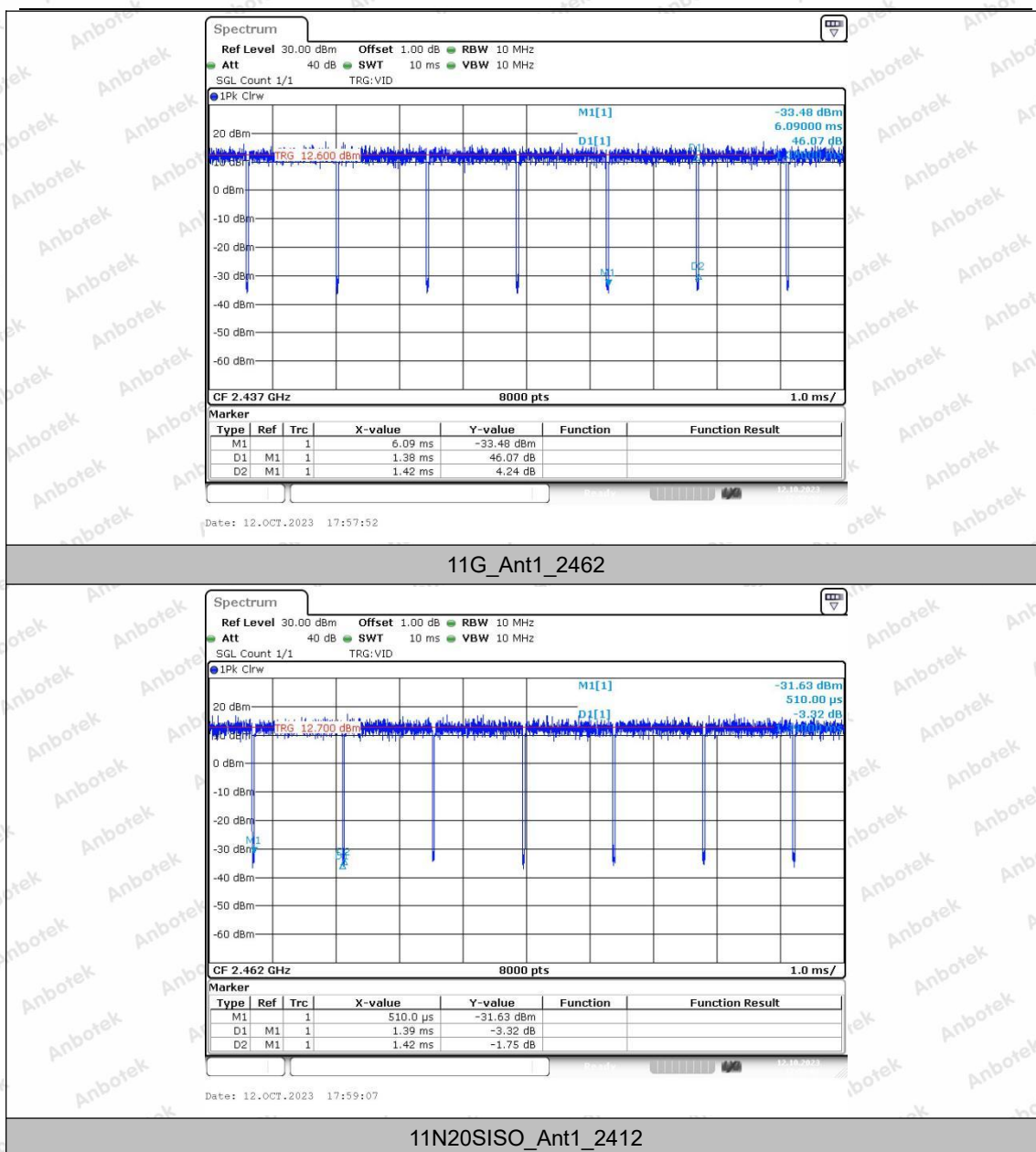
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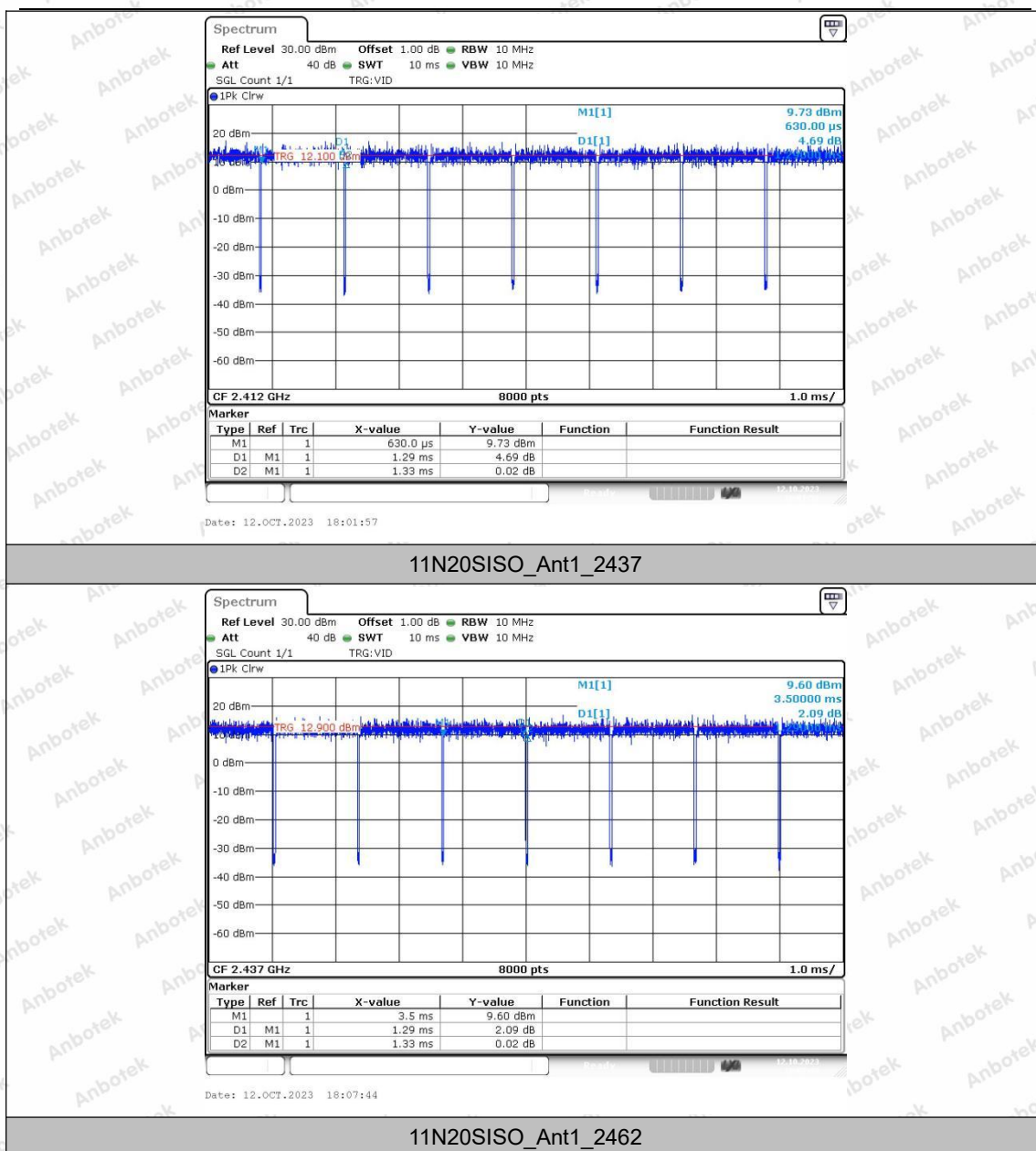
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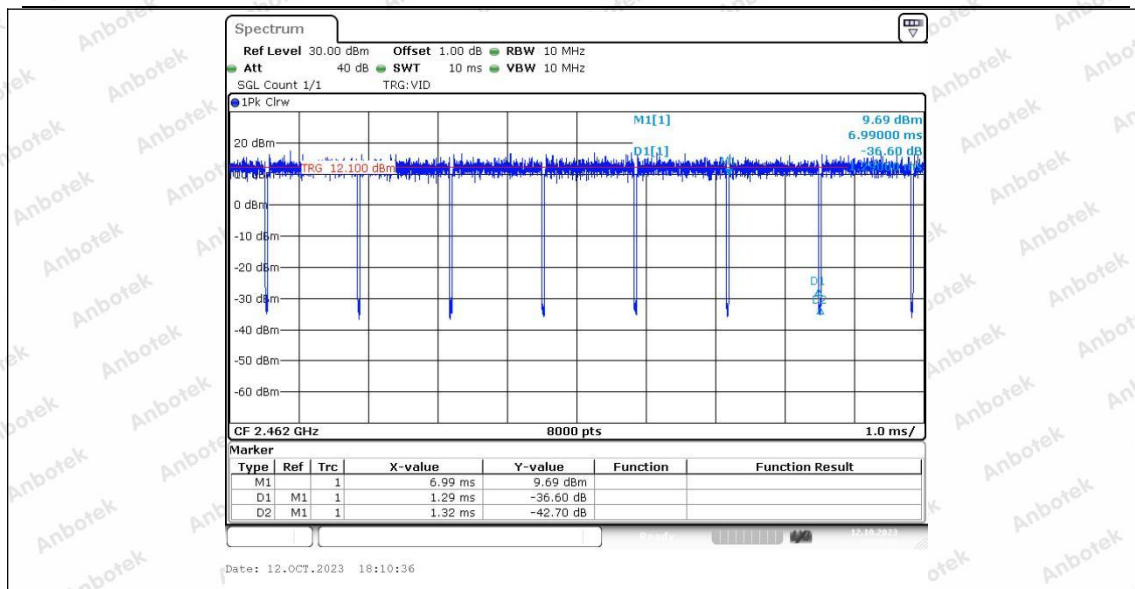
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