

## Appendix Test Data

Report No.:	18220WC30225101	Test Sample No.:	1-2-2
Start Test Date:	2023.10.23	Finish Test Date:	2023.10.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	48.9%
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	10.04	2407.00	2417.04	≥0.5	PASS
		2437	9.04	2432.48	2441.52	≥0.5	PASS
		2462	8.60	2457.44	2466.04	≥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	16.60	2453.68	2470.28	≥0.5	PASS
11N20SISO	Ant1	2412	17.68	2403.20	2420.88	≥0.5	PASS
		2437	17.60	2428.20	2445.80	≥0.5	PASS
		2462	17.60	2453.20	2470.80	≥0.5	PASS

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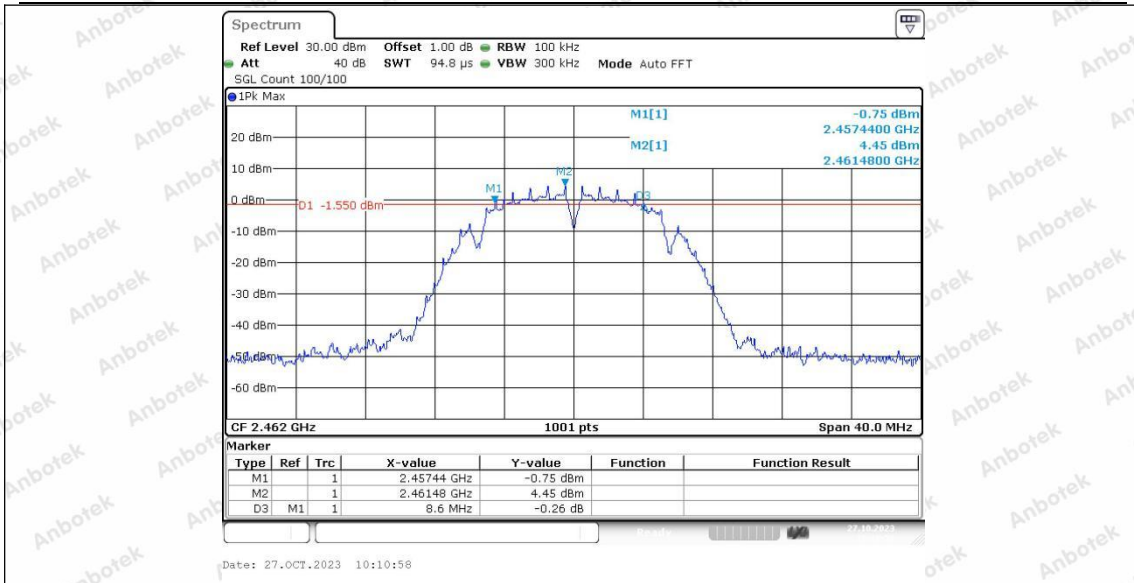


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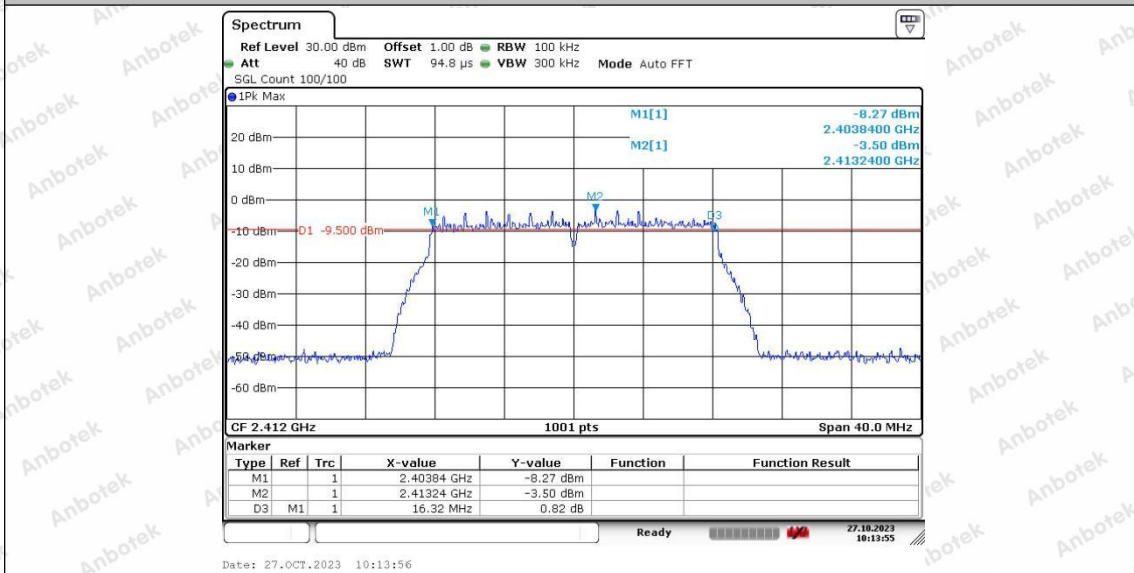


## Test Graphs





11G\_Ant1\_2412



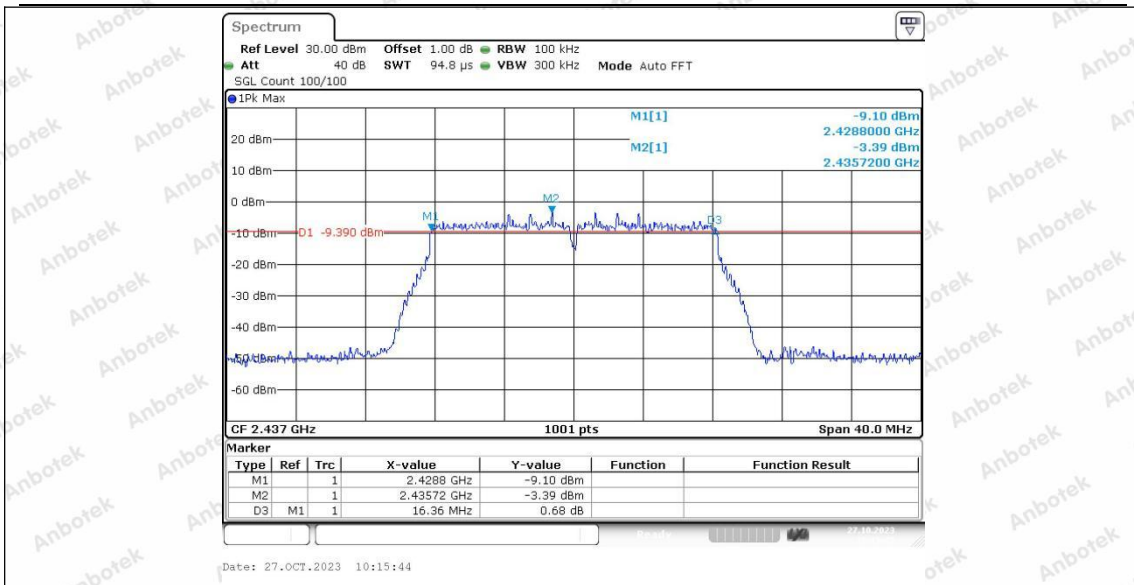
11G\_Ant1\_2437

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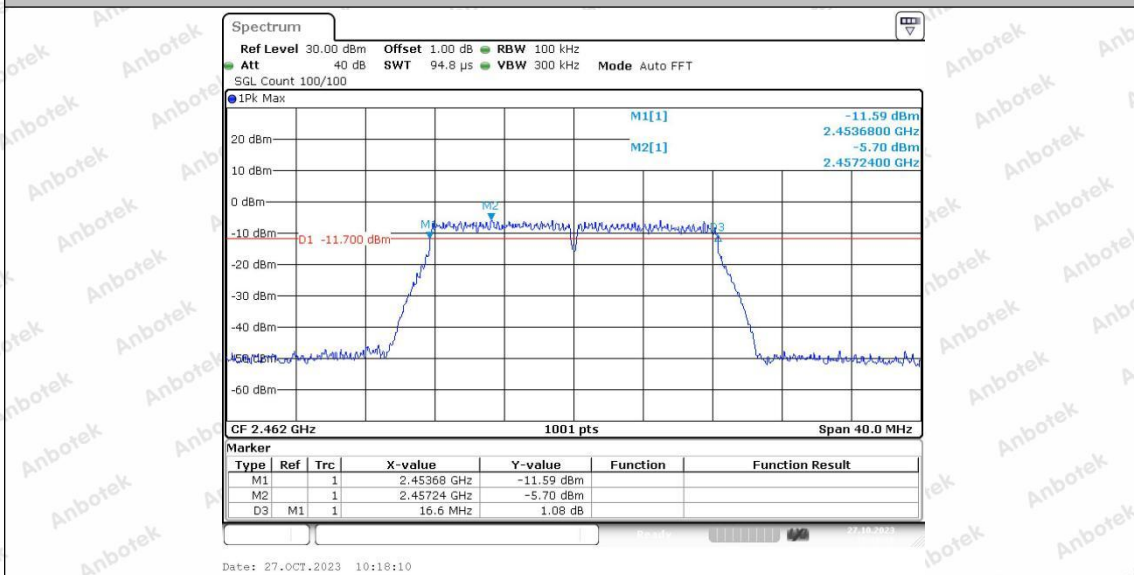
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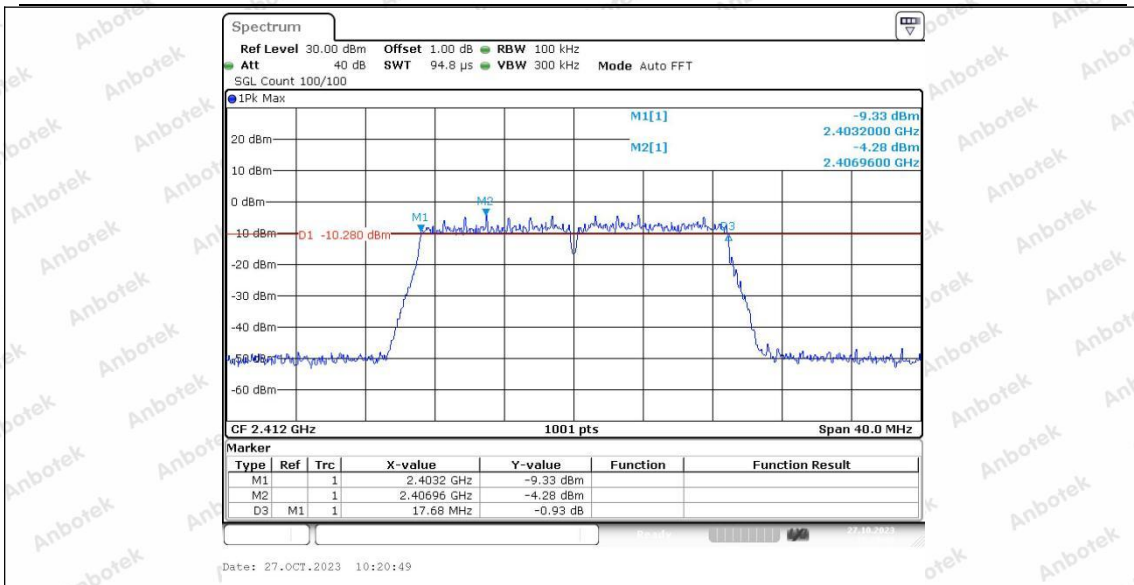


11G\_Ant1\_2462

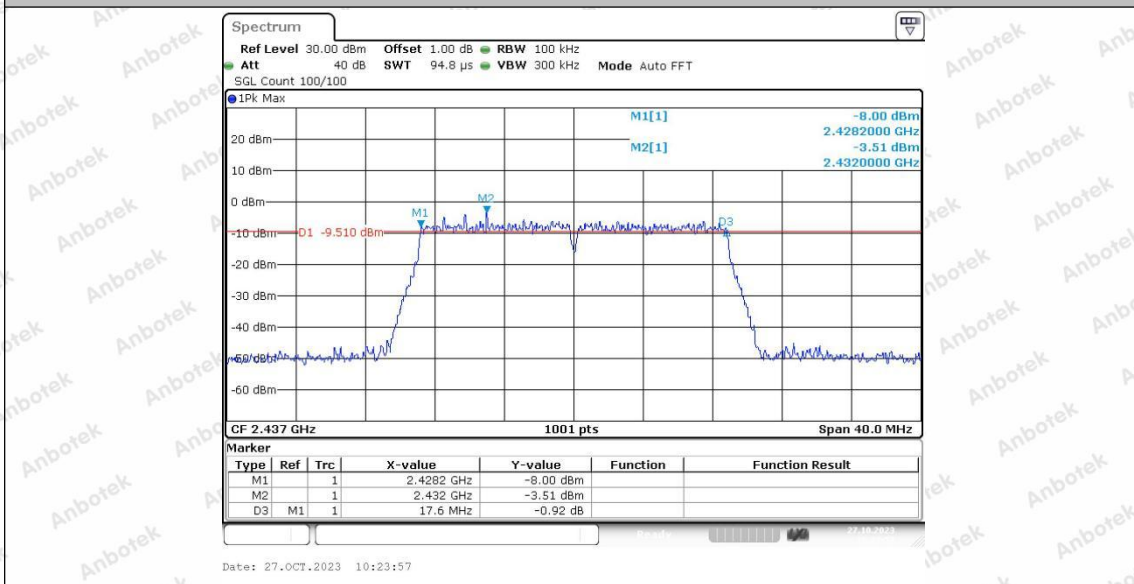


11N20SISO\_Ant1\_2412



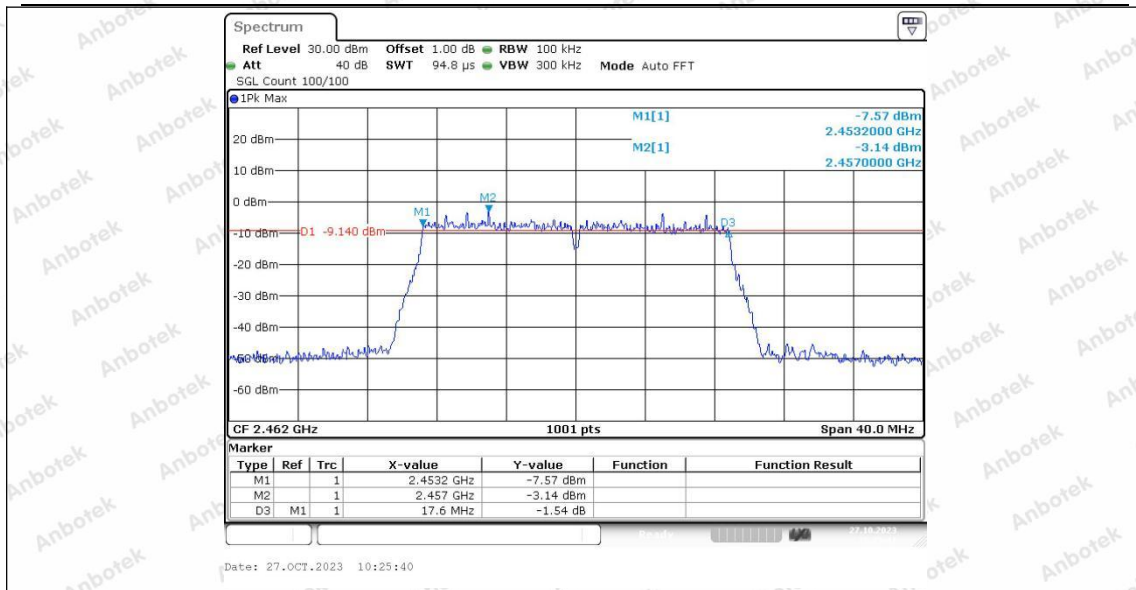


11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





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## Appendix B: Occupied Channel Bandwidth

### Test Result

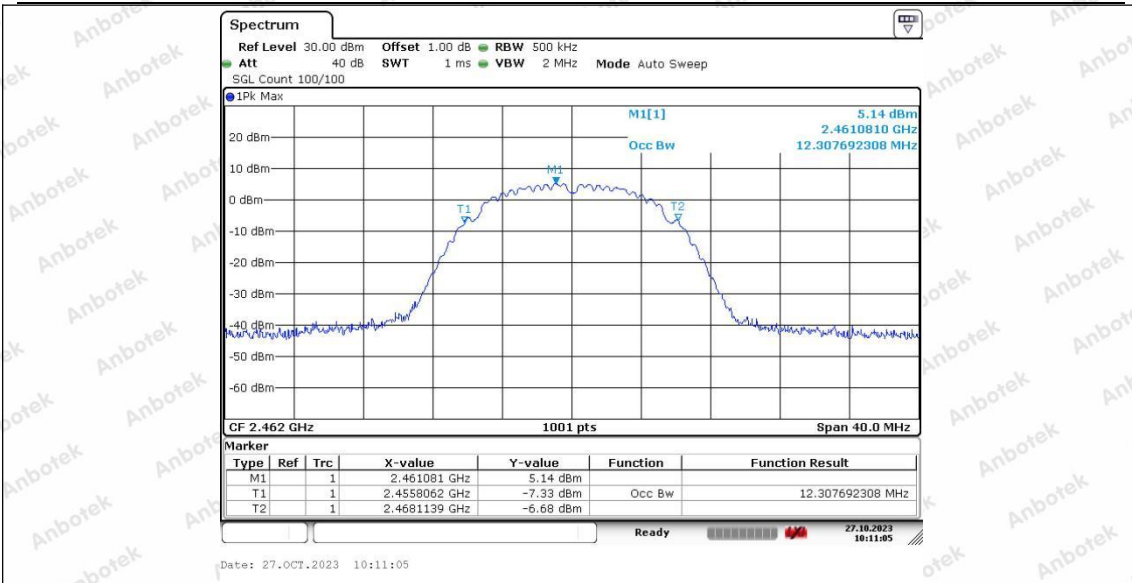
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.308	2405.9261	2418.2338	---	---
		2437	12.308	2430.8462	2443.1538	---	---
		2462	12.308	2455.8062	2468.1139	---	---
11G	Ant1	2412	17.303	2403.4086	2420.7113	---	---
		2437	17.263	2428.3287	2445.5914	---	---
		2462	17.263	2453.3287	2470.5914	---	---
11N20SISO	Ant1	2412	18.102	2403.0490	2421.1508	---	---
		2437	18.062	2427.9690	2446.0310	---	---
		2462	18.022	2452.9690	2470.9910	---	---



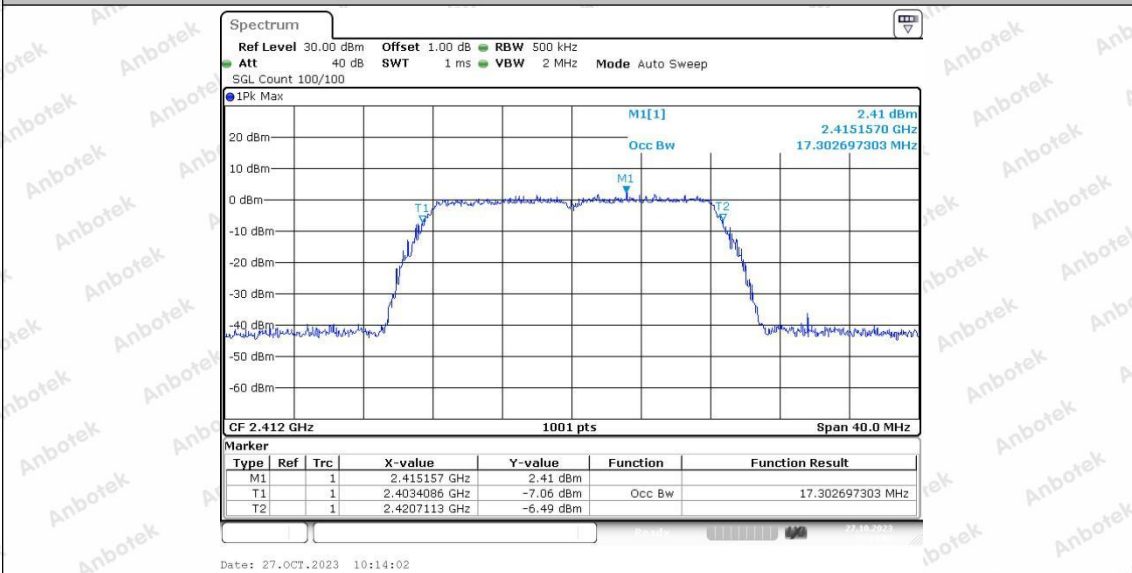
## Test Graphs







11G\_Ant1\_2412



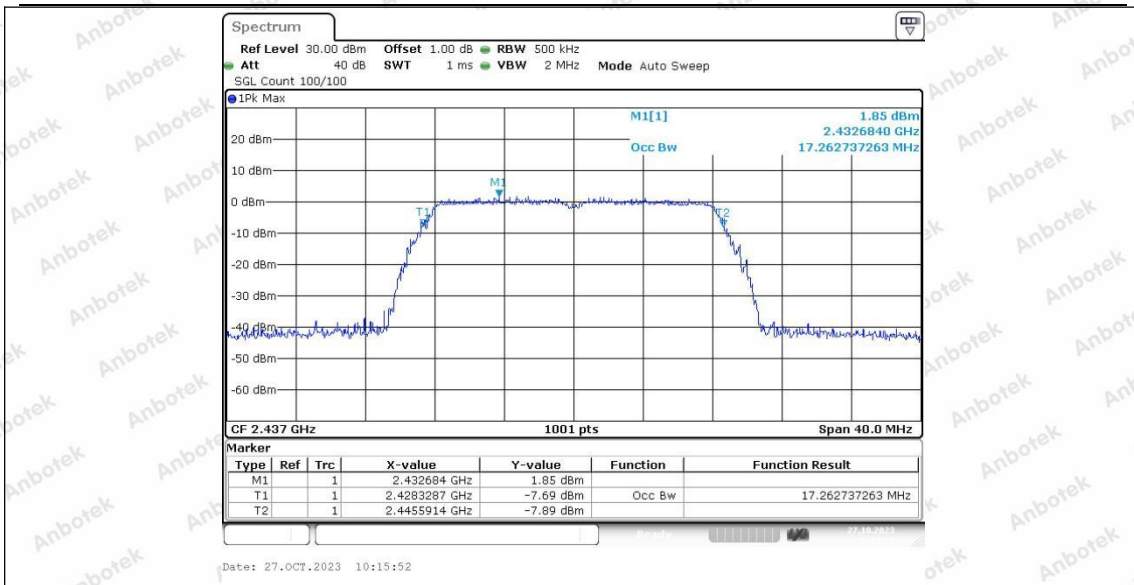
11G\_Ant1\_2437

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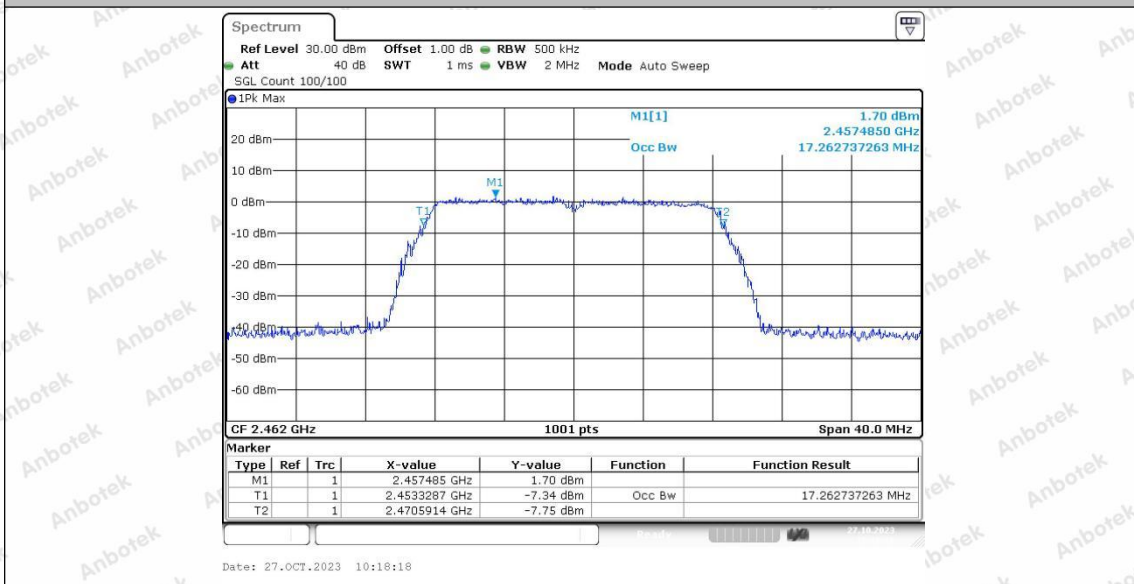
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11G\_Ant1\_2462



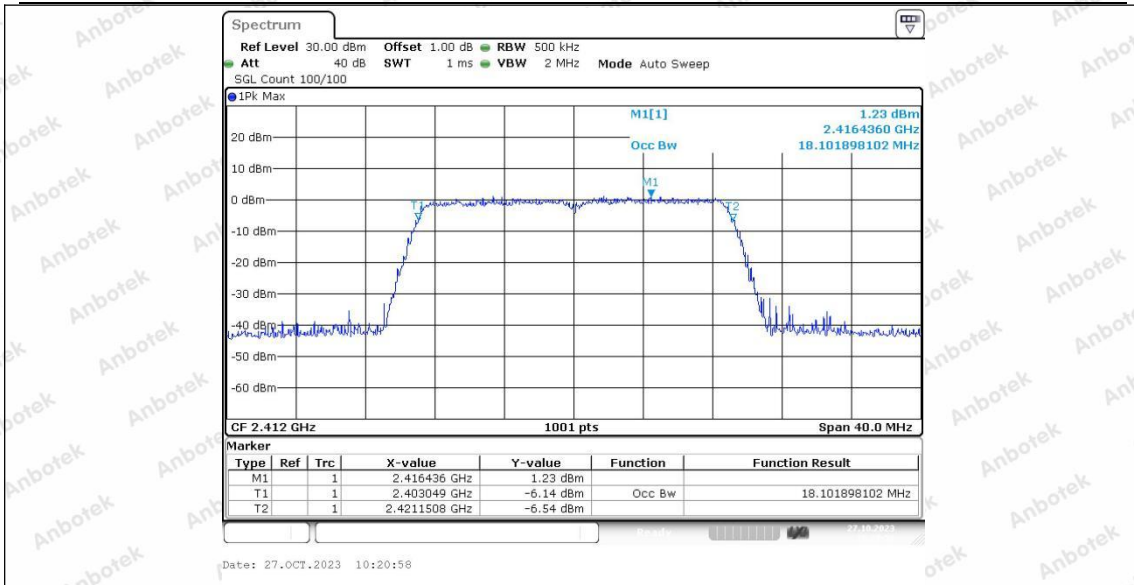
11N20SISO\_Ant1\_2412

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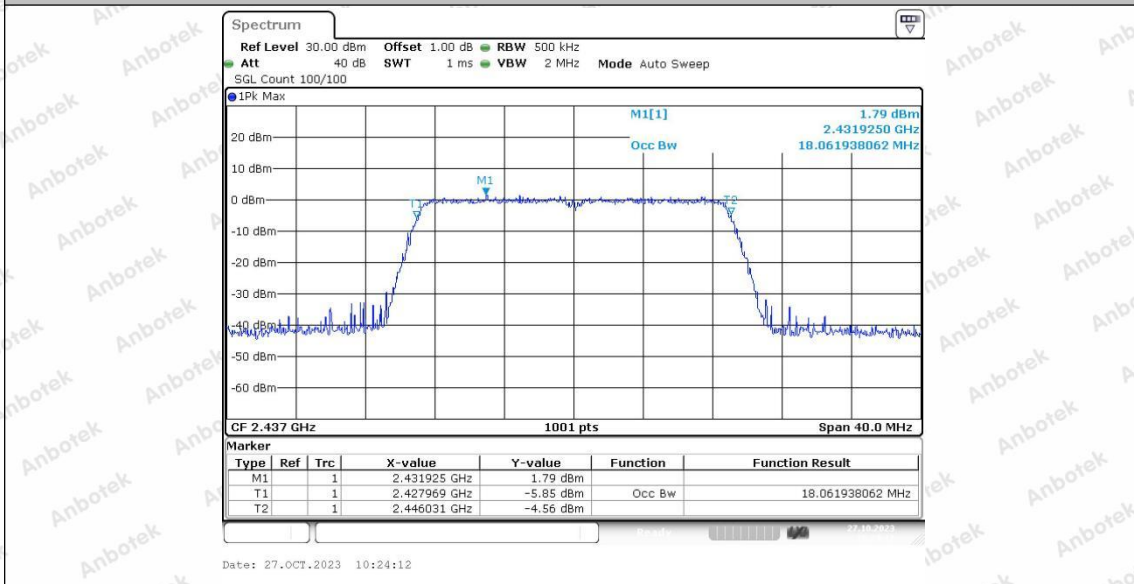
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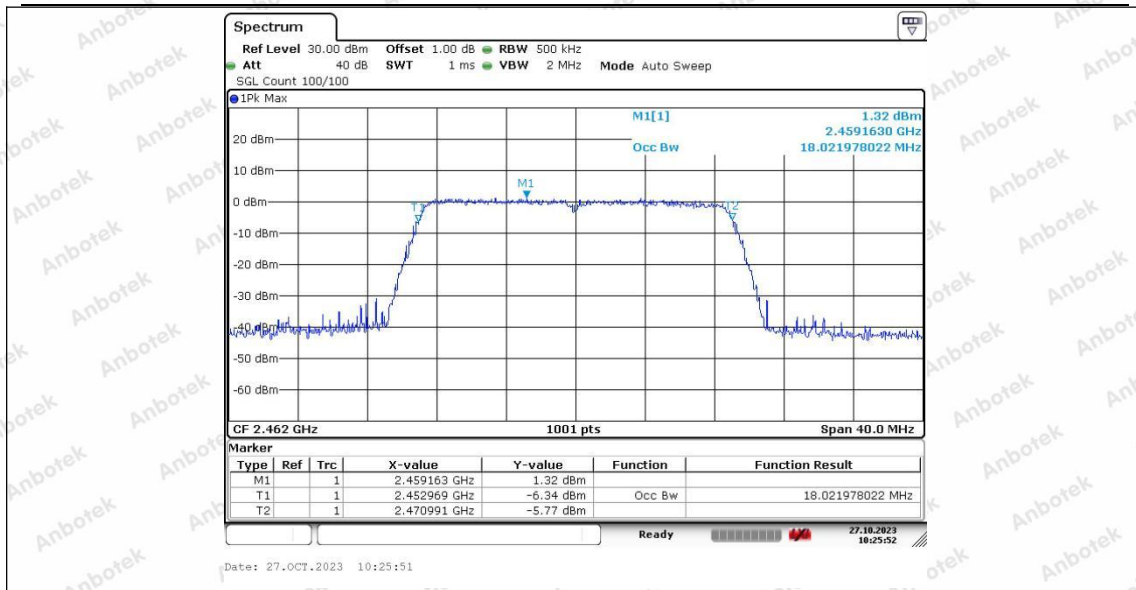


11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	16.53	≤30.00
		2437	16.60	≤30.00
		2462	<b>16.61</b>	≤30.00
11G	Ant1	2412	15.86	≤30.00
		2437	16.07	≤30.00
		2462	16.15	≤30.00
11N20SISO	Ant1	2412	15.87	≤30.00
		2437	16.00	≤30.00
		2462	16.22	≤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	-11.24	≤8.00	PASS
		2437	-9.74	≤8.00	PASS
		2462	-8.41	≤8.00	PASS
11G	Ant1	2412	-17.27	≤8.00	PASS
		2437	-17.08	≤8.00	PASS
		2462	-17.08	≤8.00	PASS
11N20SISO	Ant1	2412	-16.92	≤8.00	PASS
		2437	-17.43	≤8.00	PASS
		2462	-16.91	≤8.00	PASS

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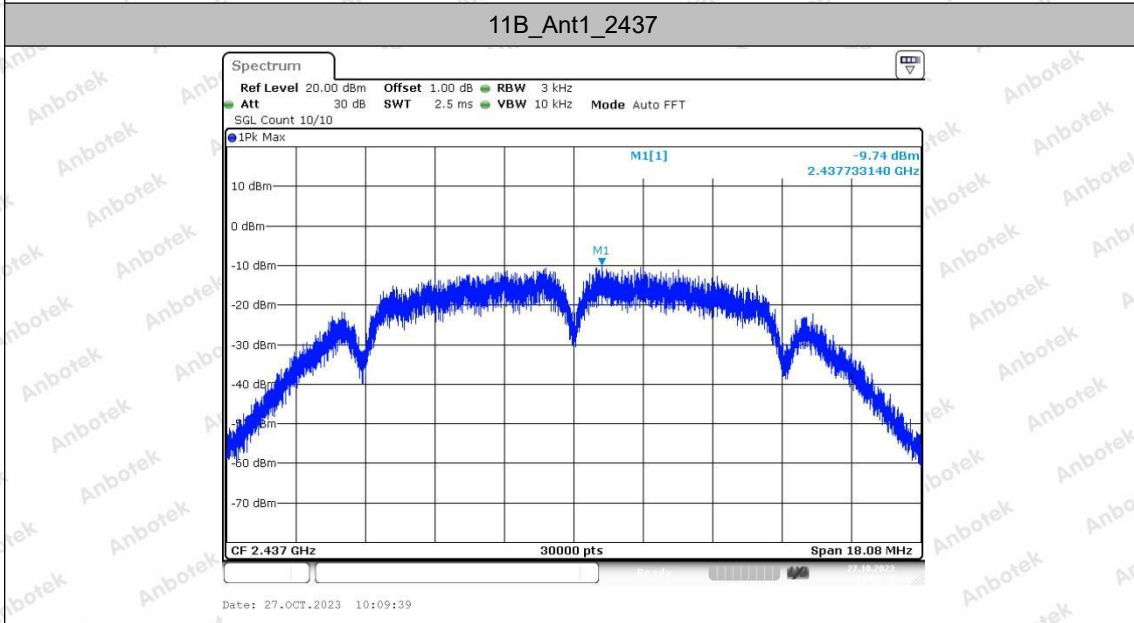
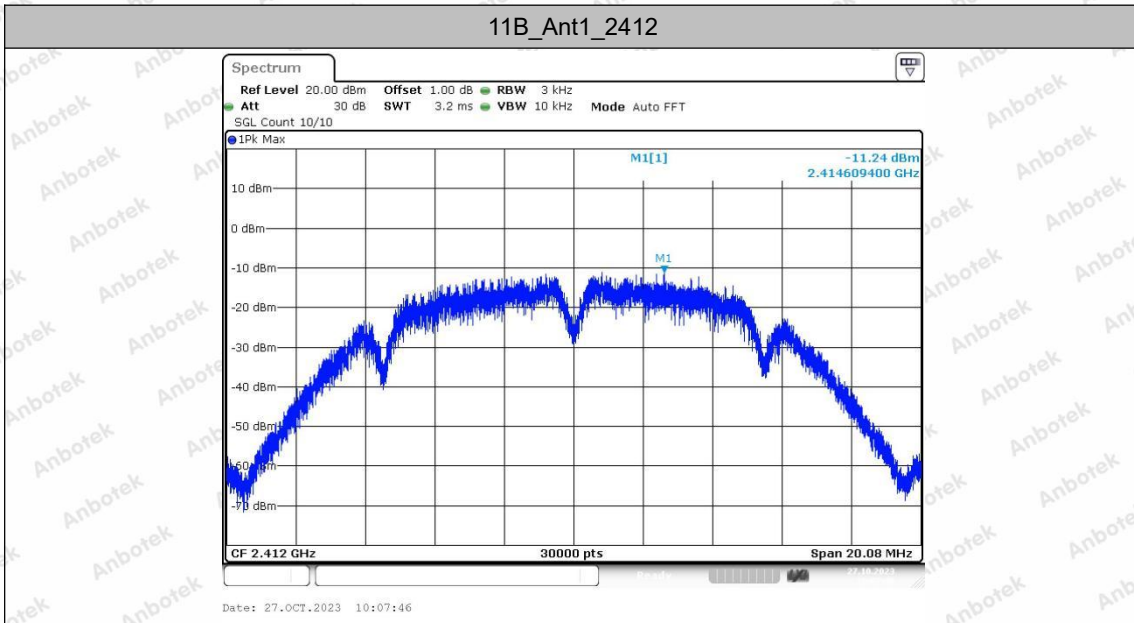
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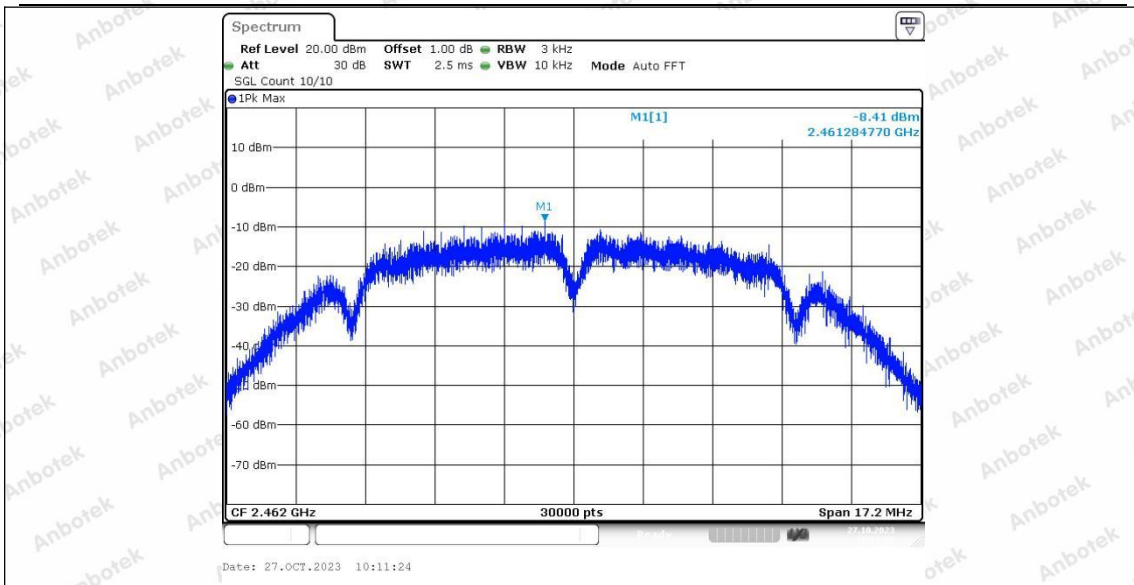


## Test Graphs

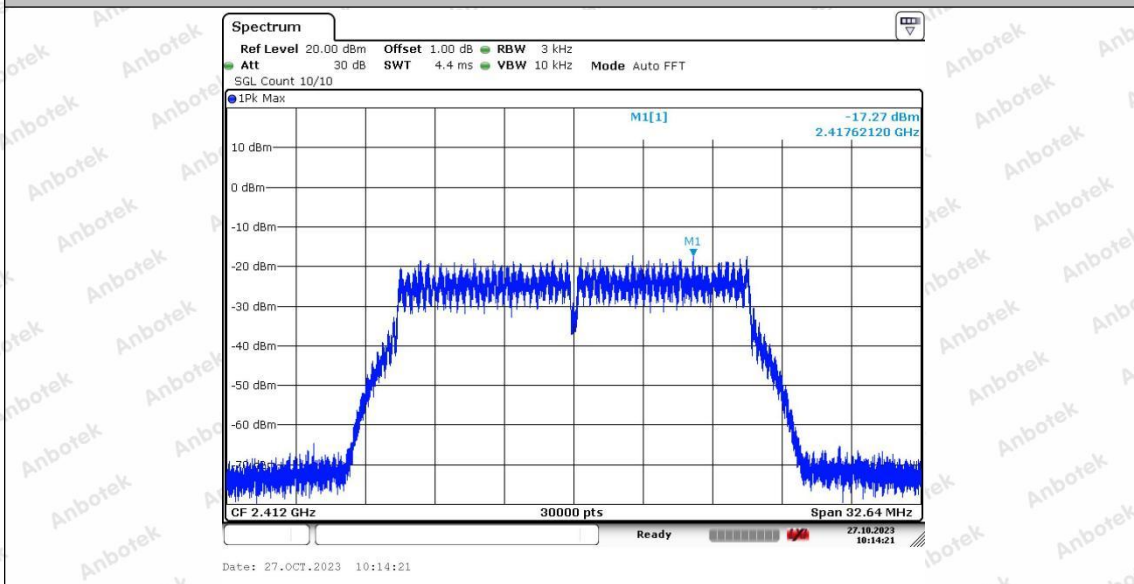


### 11B\_Ant1\_2462





11G\_Ant1\_2412



11G\_Ant1\_2437

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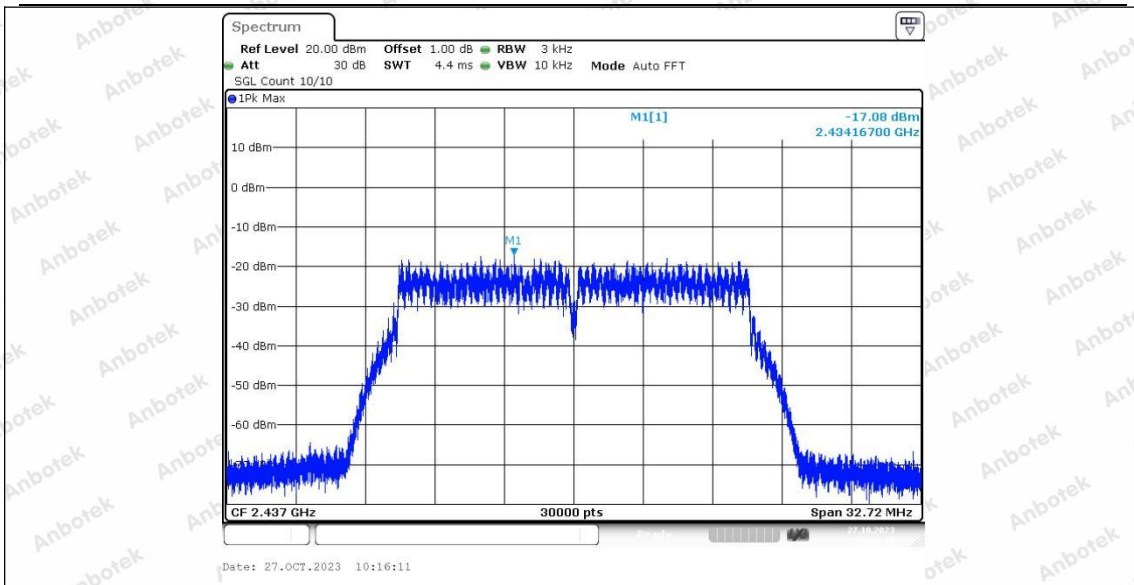
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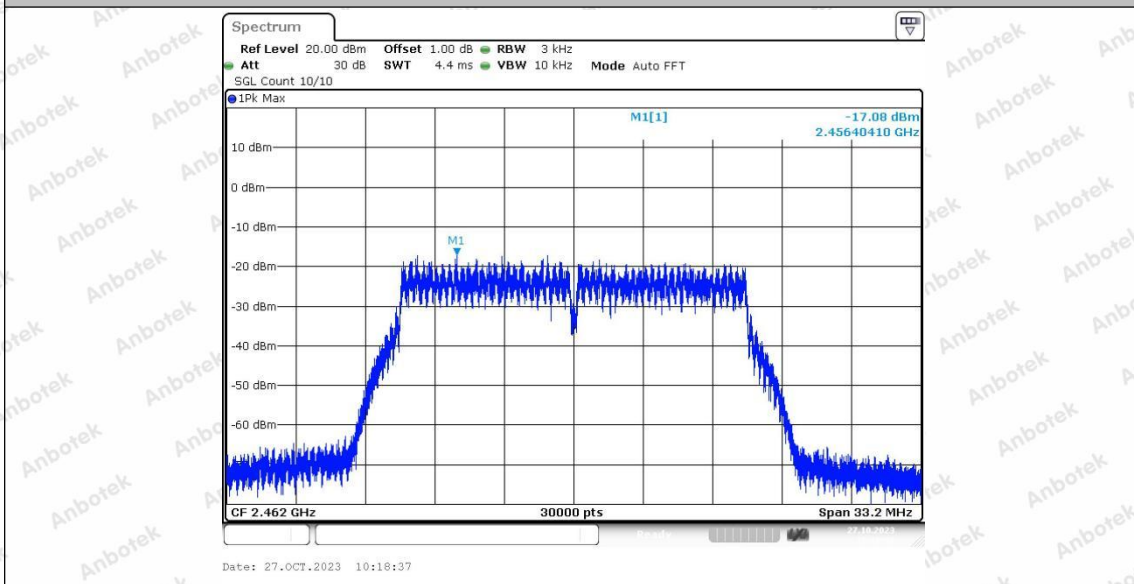
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11G\_Ant1\_2462



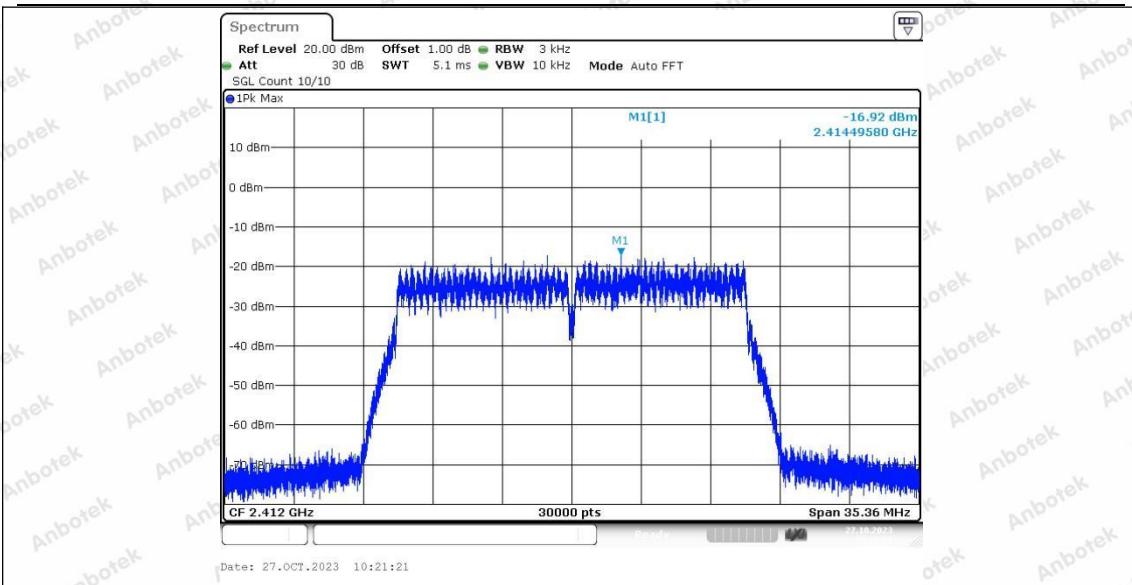
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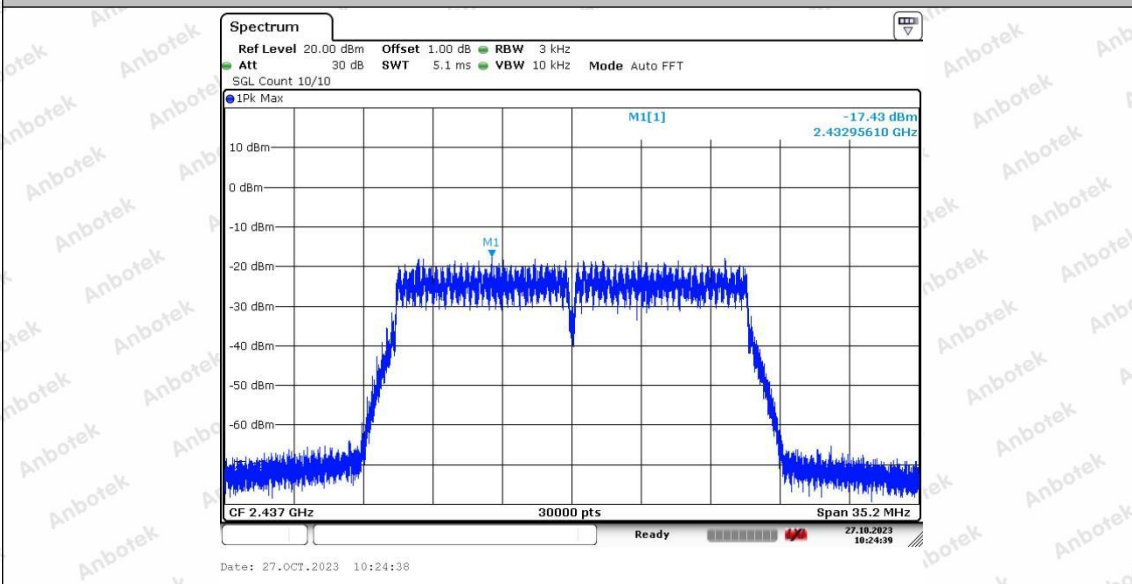
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11N20SISO\_Ant1\_2437



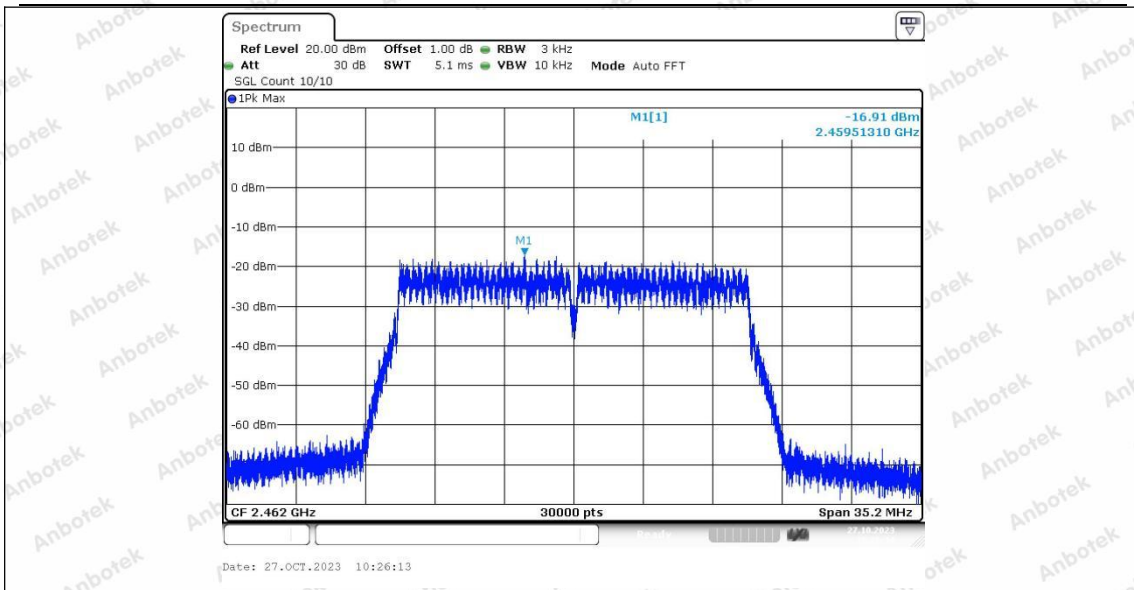
11N20SISO\_Ant1\_2462

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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	4.29	-49.04	≤-15.71	PASS
		High	2462	3.39	-56.22	≤-16.61	PASS
11G	Ant1	Low	2412	-5.75	-52.37	≤-25.75	PASS
		High	2462	-3.66	-55.58	≤-23.66	PASS
11N20SISO	Ant1	Low	2412	-3.33	-51.75	≤-23.33	PASS
		High	2462	-5.42	-55.7	≤-25.42	PASS

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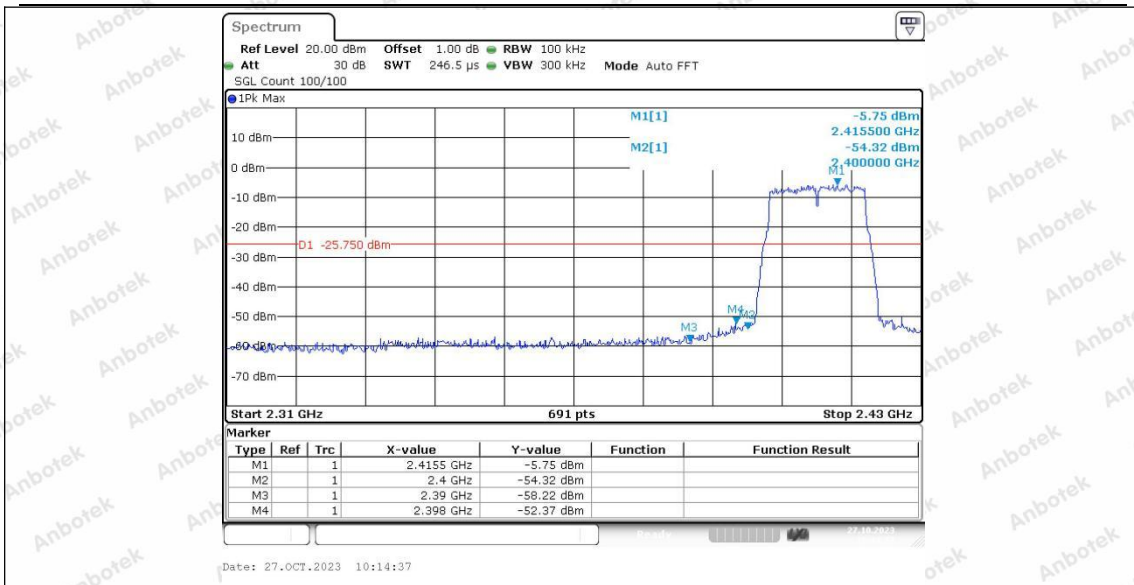


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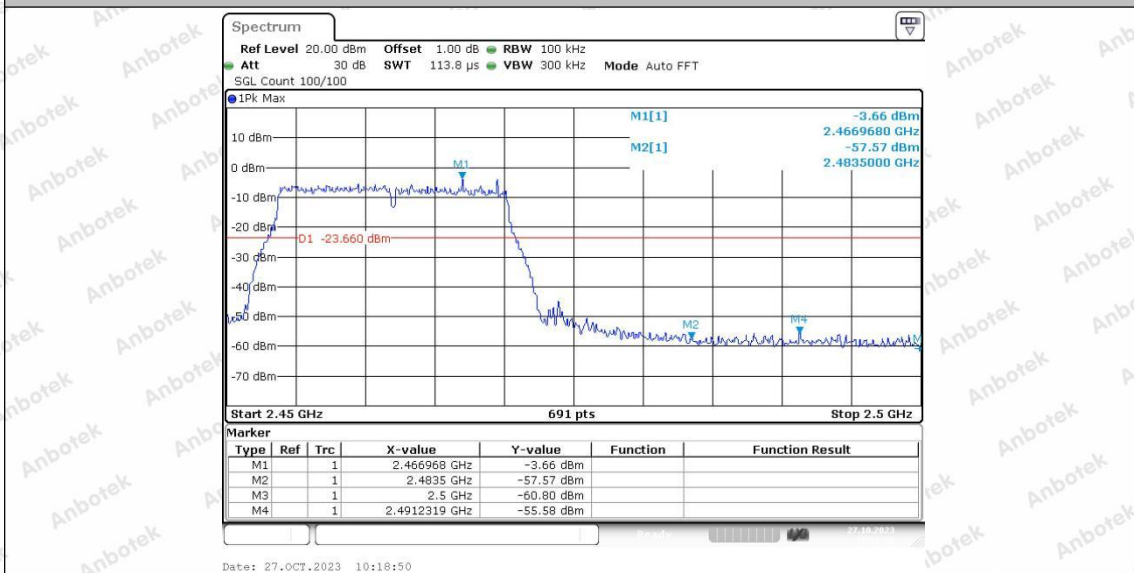


## Test Graphs





### 11G\_Ant1\_High\_2462



### 11N20SISO\_Ant1\_Low\_2412

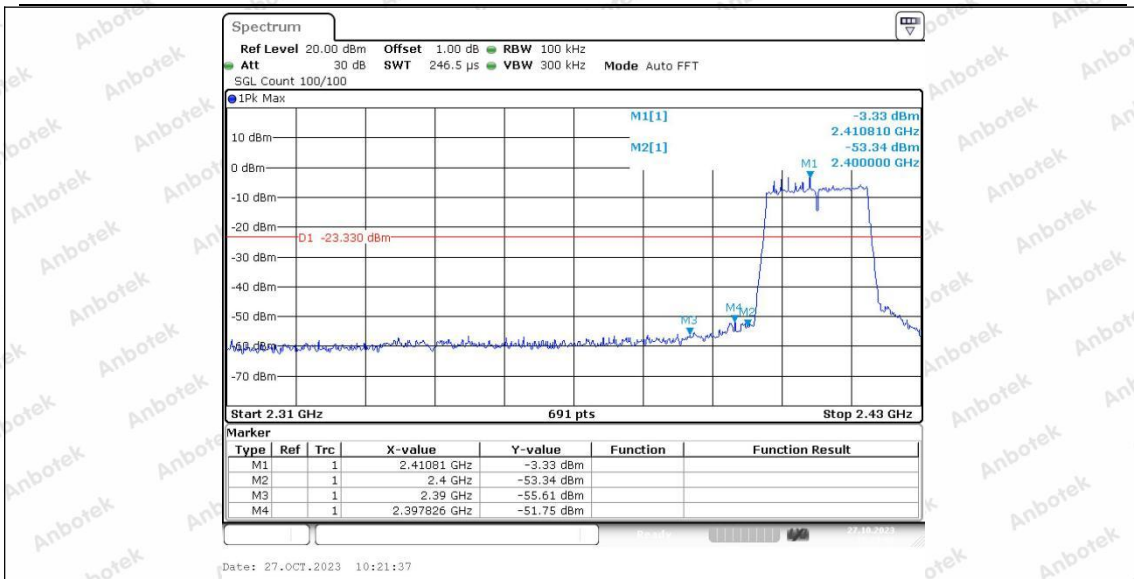
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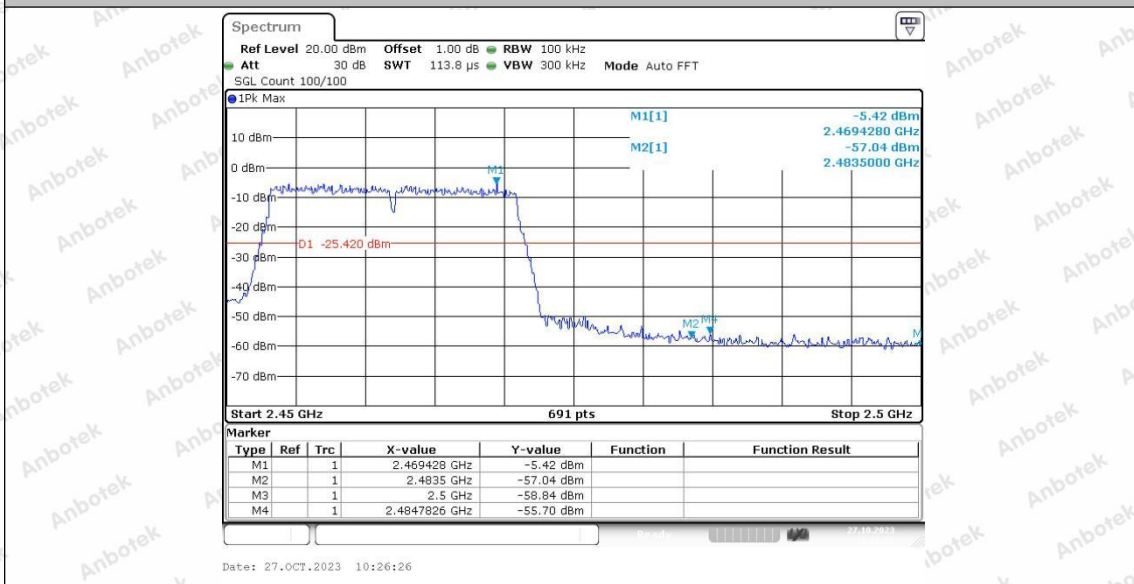


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### 11N20SISO\_Ant1\_High\_2462



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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	1.88	1.88	---	PASS
			30~1000	1.88	-68.11	≤-18.12	PASS
			1000~26500	1.88	-48.44	≤-18.12	PASS
		2437	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-68.56	≤-18.54	PASS
			1000~26500	1.46	-47.51	≤-18.54	PASS
		2462	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-67.31	≤-18.04	PASS
			1000~26500	1.96	-47.38	≤-18.04	PASS
11G	Ant1	2412	Reference	-6.22	-6.22	---	PASS
			30~1000	-6.22	-68.56	≤-26.22	PASS
			1000~26500	-6.22	-48.6	≤-26.22	PASS
		2437	Reference	-6.12	-6.12	---	PASS
			30~1000	-6.12	-67.62	≤-26.12	PASS
			1000~26500	-6.12	-59.99	≤-26.12	PASS
		2462	Reference	-6.14	-6.14	---	PASS
			30~1000	-6.14	-68.29	≤-26.14	PASS
			1000~26500	-6.14	-53.37	≤-26.14	PASS
11N20SISO	Ant1	2412	Reference	-6.64	-6.64	---	PASS
			30~1000	-6.64	-68.83	≤-26.64	PASS
			1000~26500	-6.64	-55.92	≤-26.64	PASS
		2437	Reference	-4.74	-4.74	---	PASS
			30~1000	-4.74	-68.29	≤-24.74	PASS
			1000~26500	-4.74	-60.3	≤-24.74	PASS
		2462	Reference	-6.49	-6.49	---	PASS
			30~1000	-6.49	-68.44	≤-26.49	PASS
			1000~26500	-6.49	-47.55	≤-26.49	PASS

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## Test Graphs



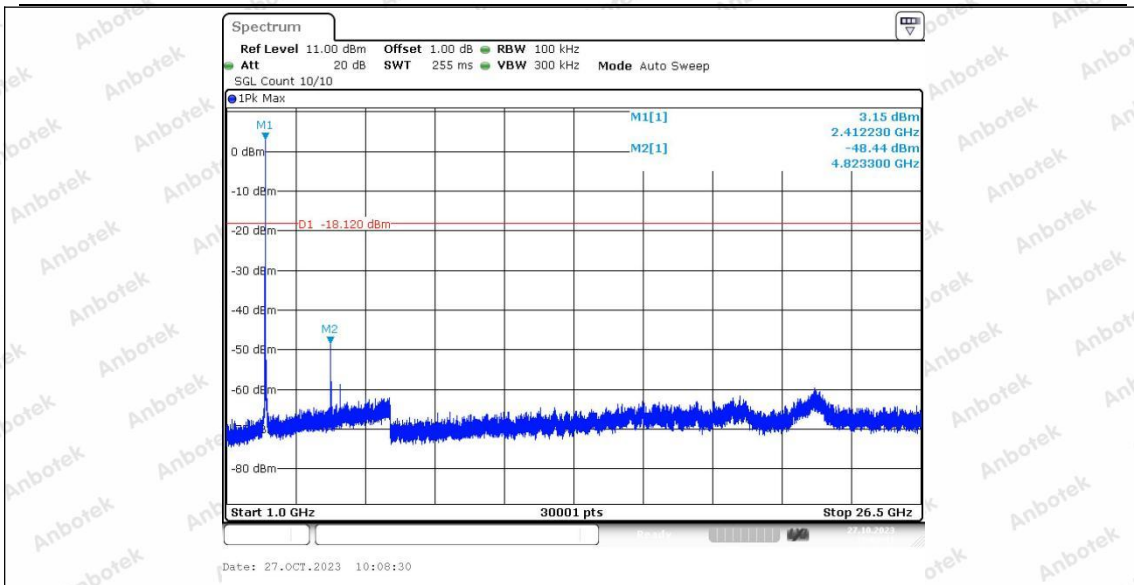
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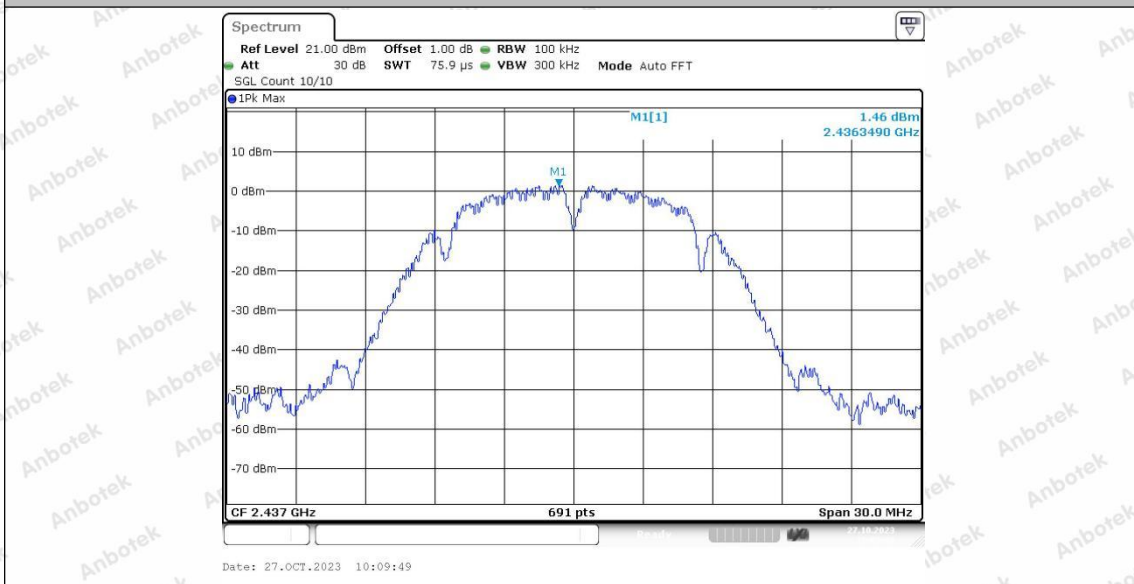


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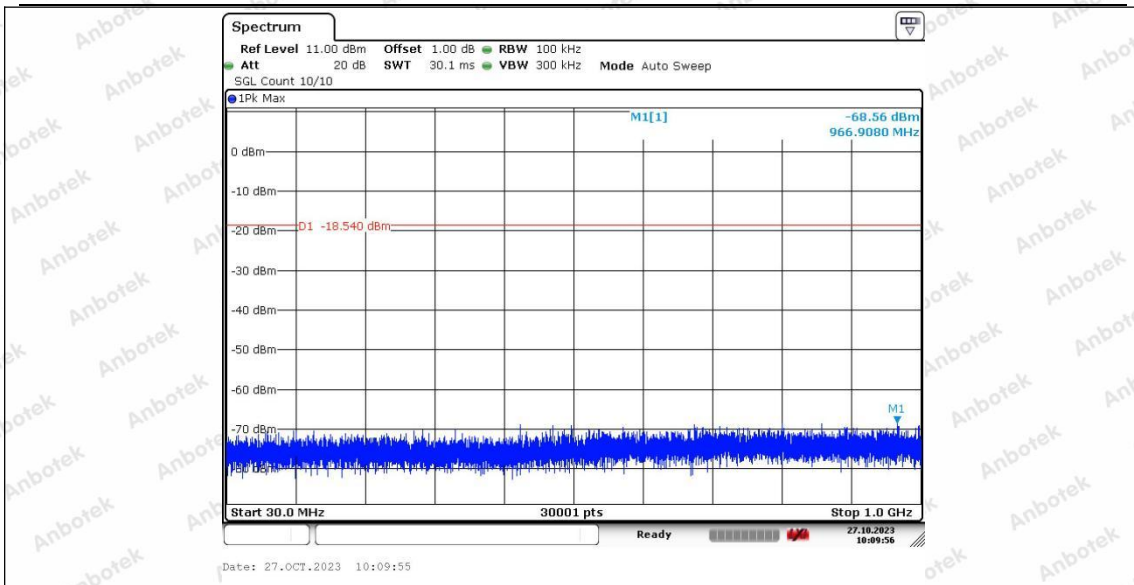


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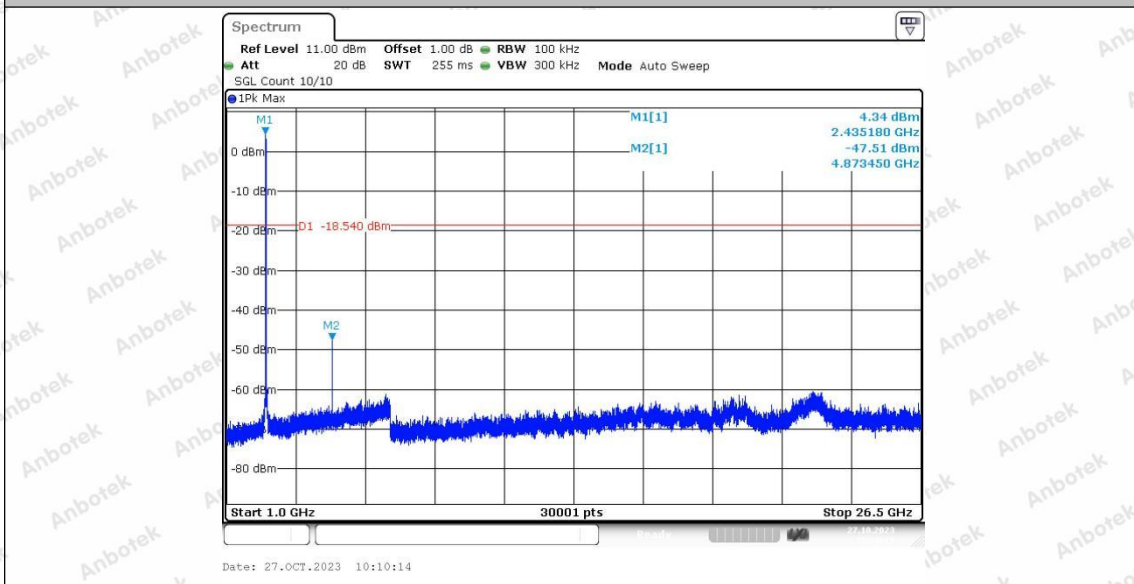


11B\_Ant1\_2437\_30~1000





11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

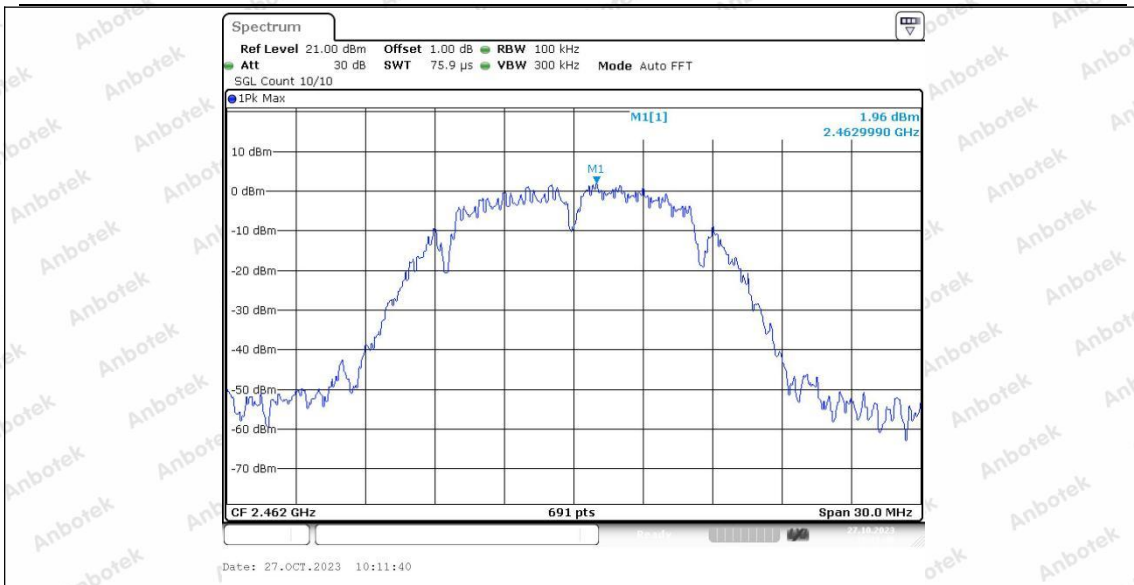
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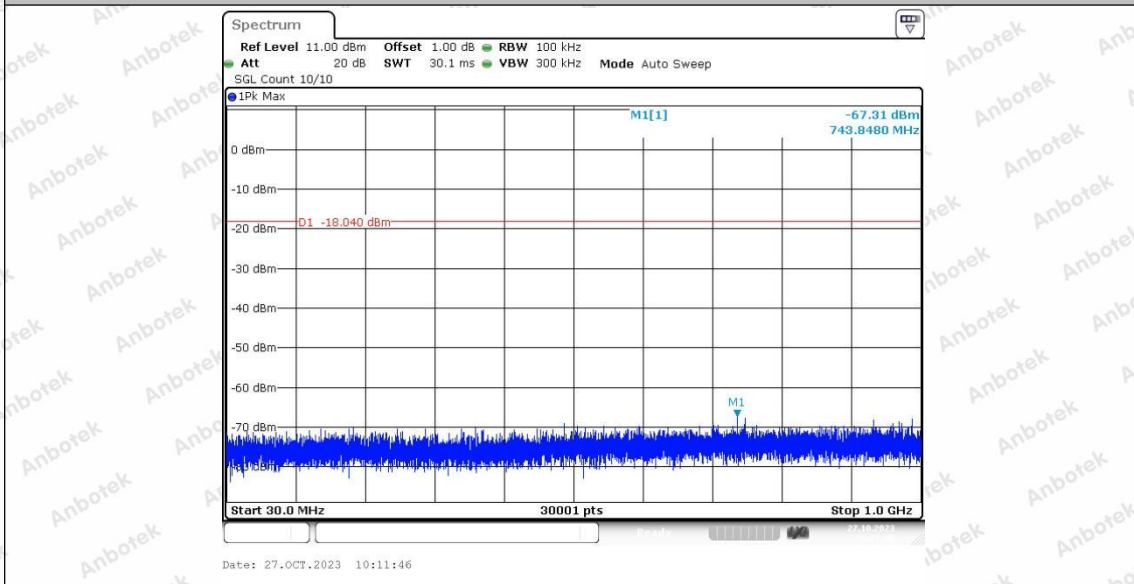


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11B\_Ant1\_2462\_30~1000



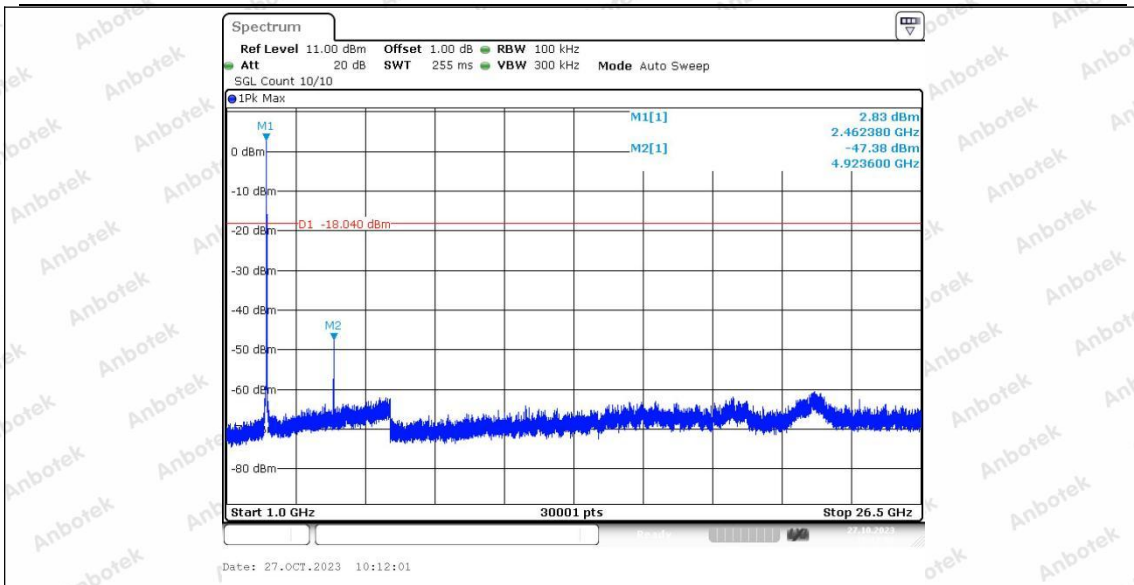
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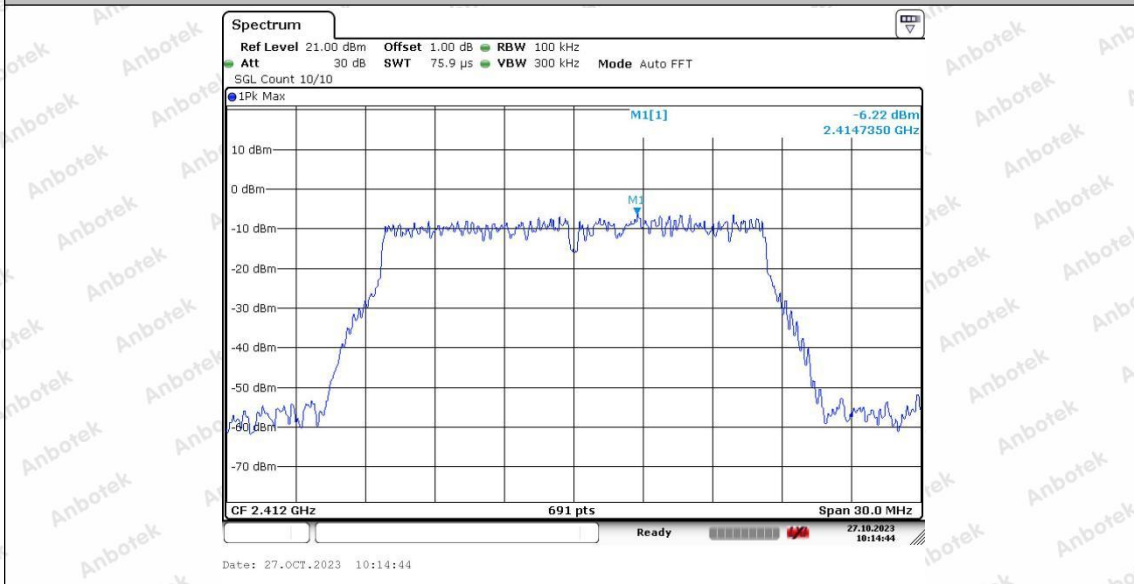
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11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000

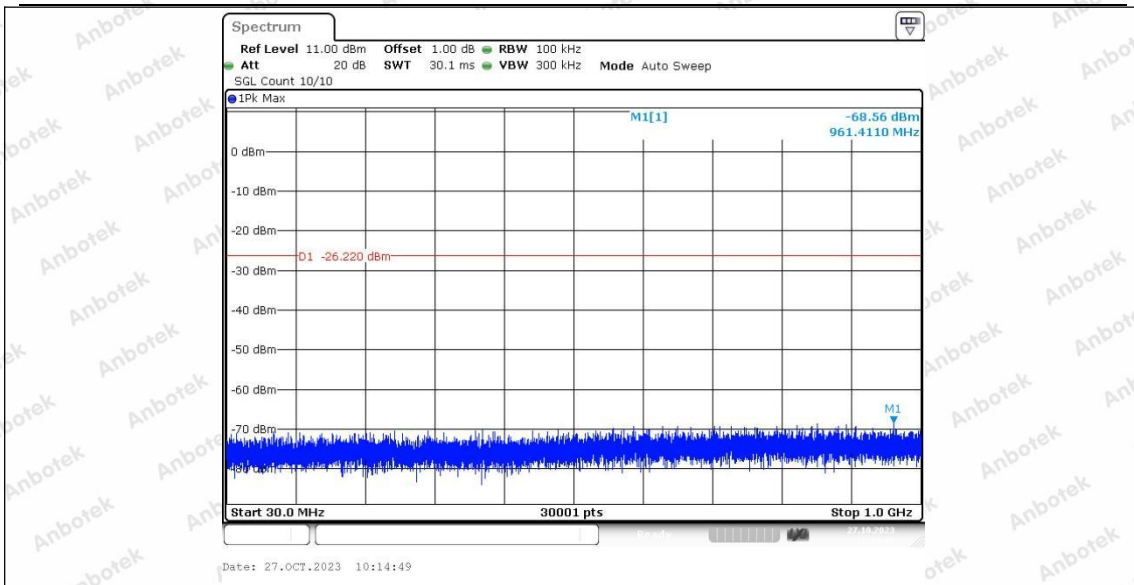
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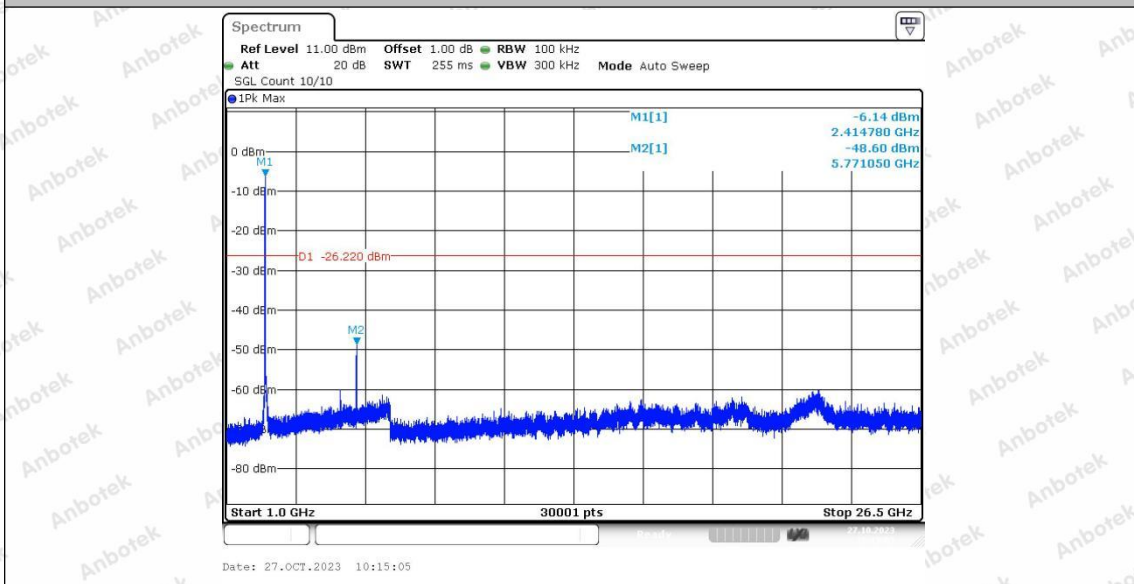


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11G\_Ant1\_2412\_1000~26500



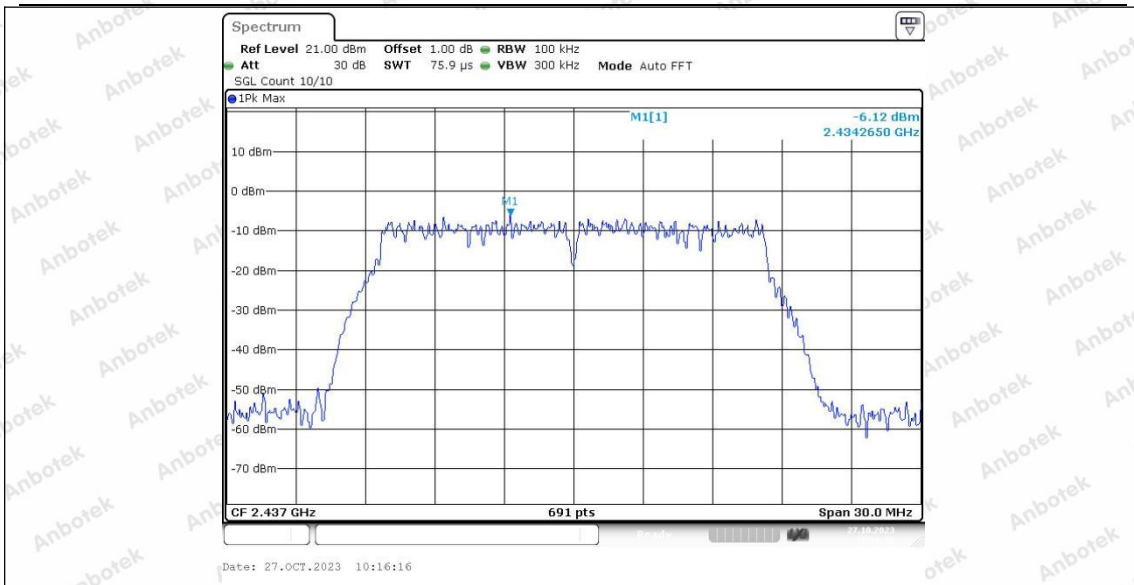
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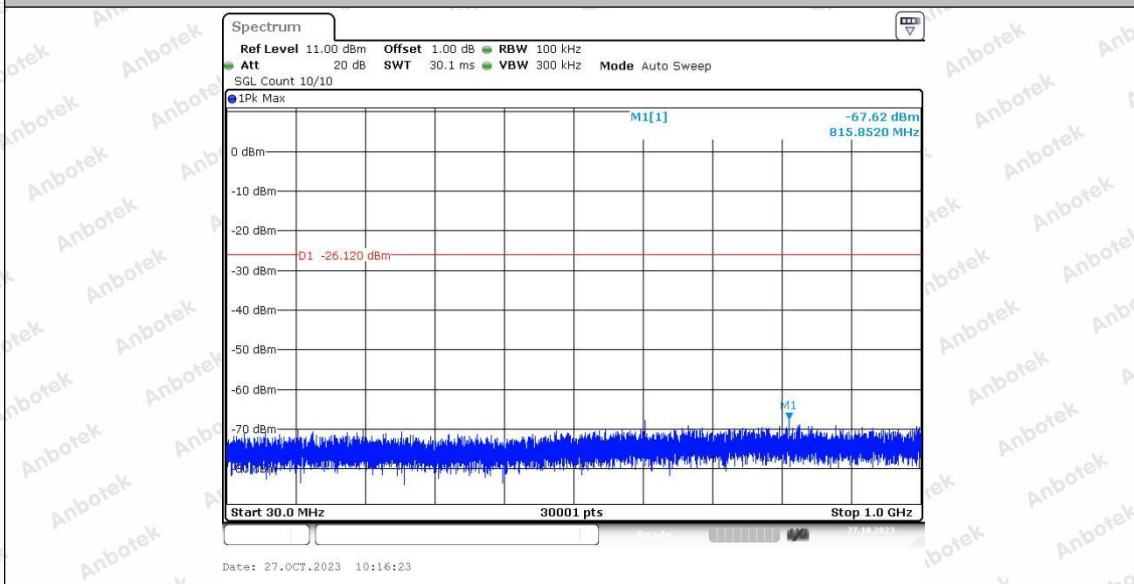
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11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

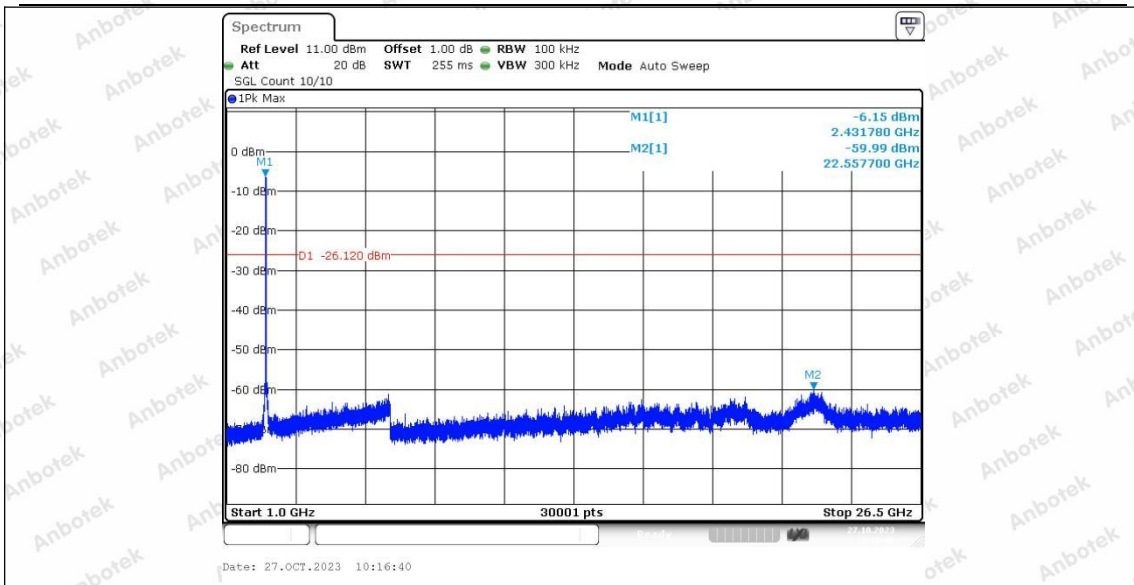
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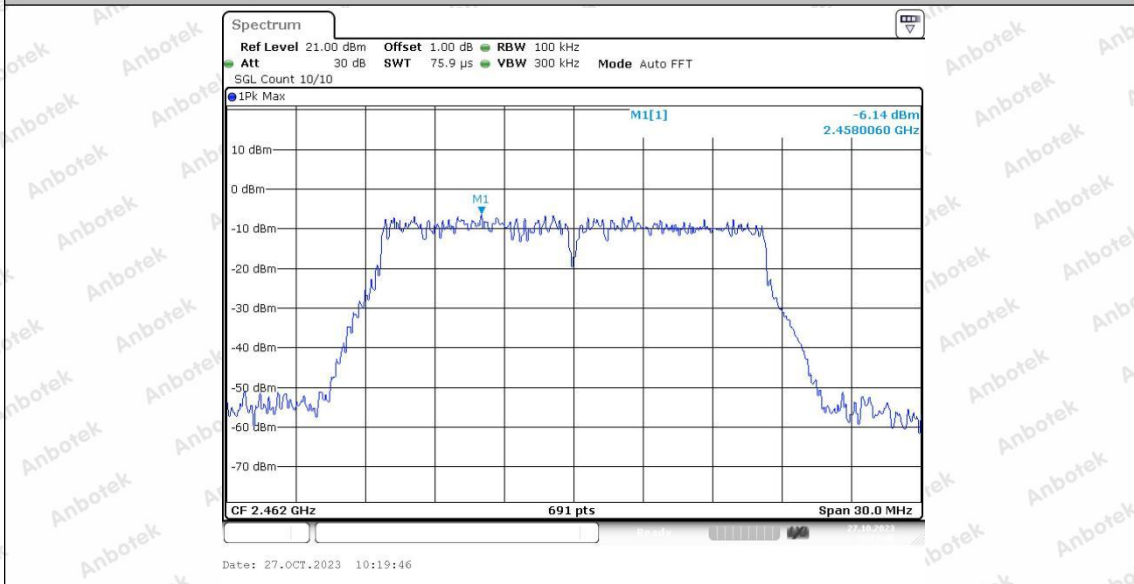


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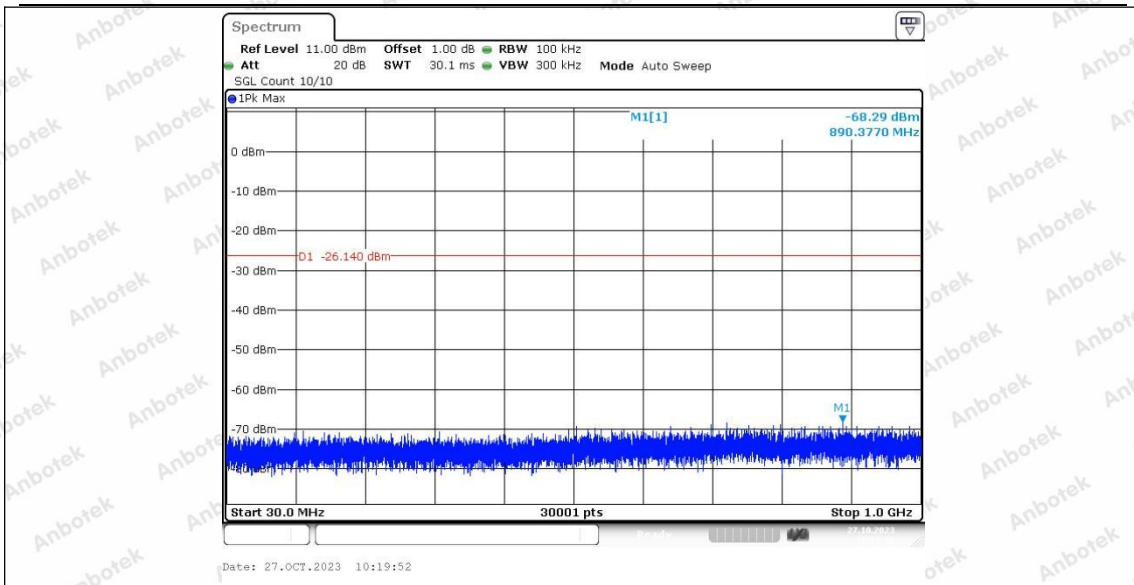
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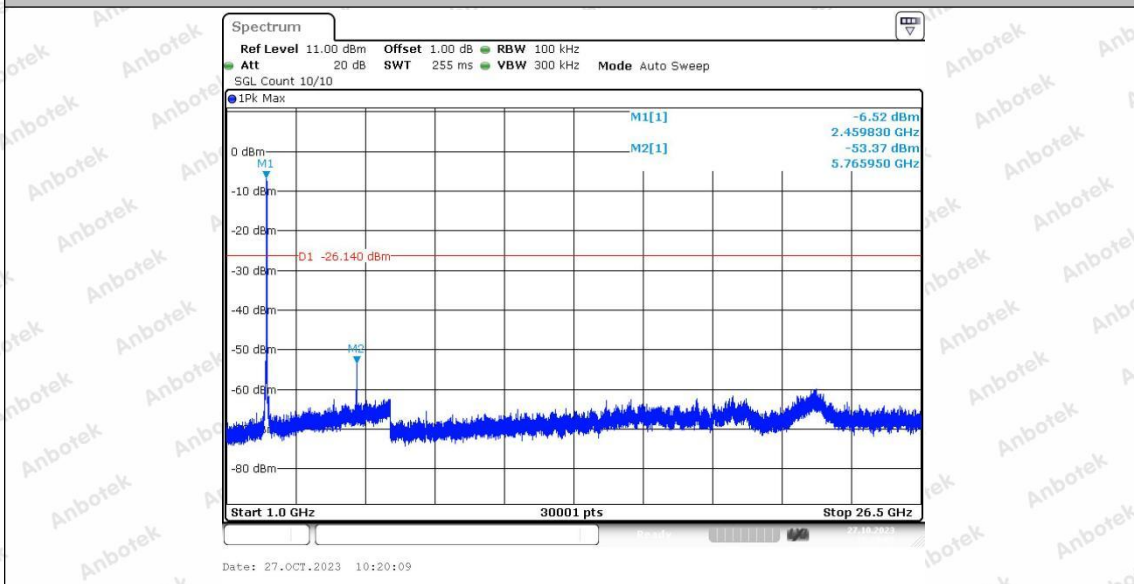
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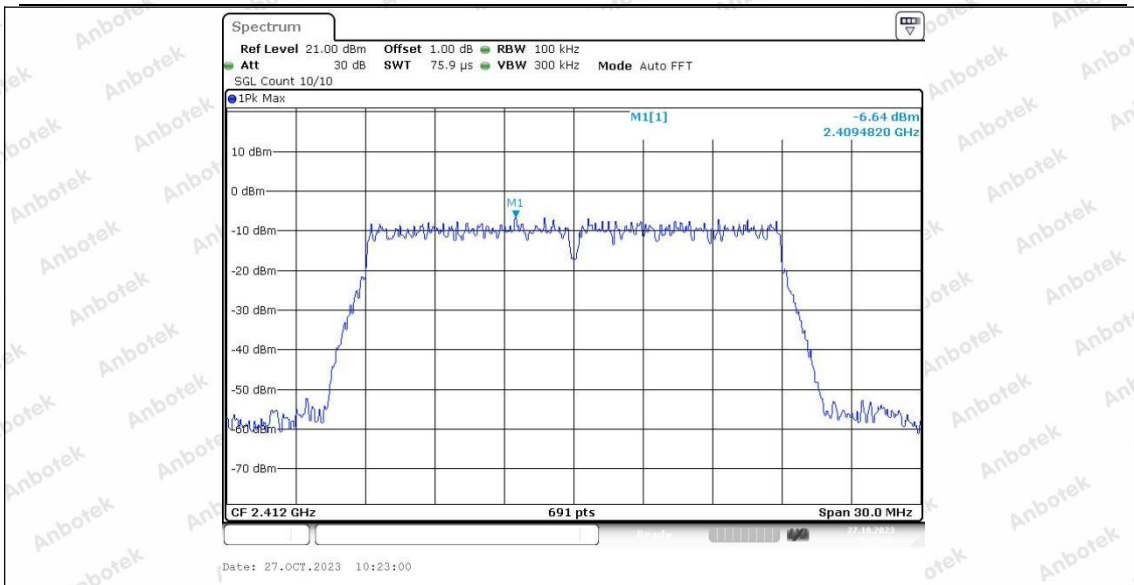
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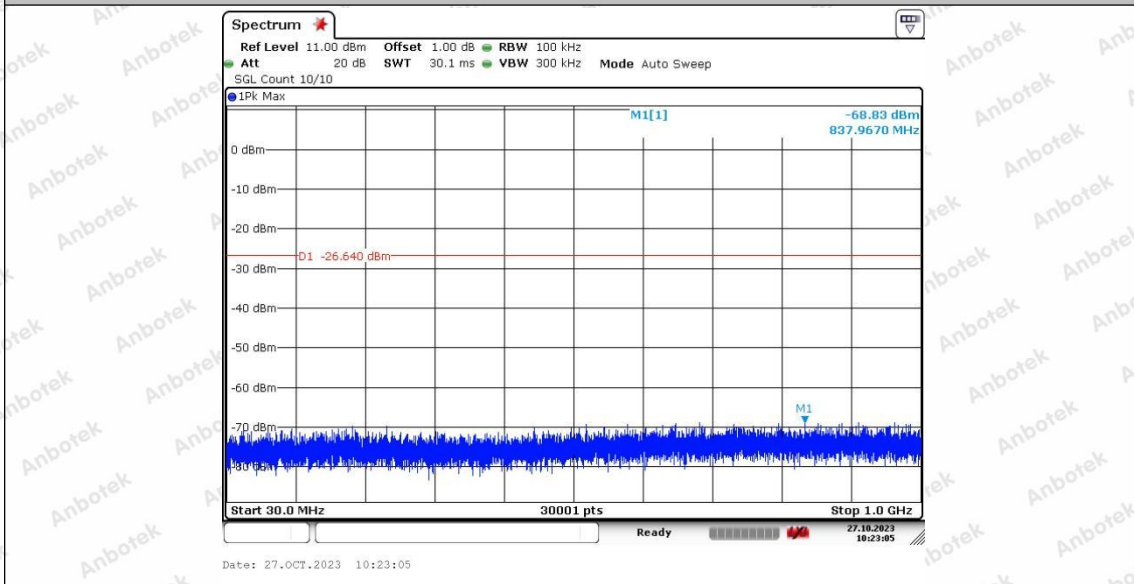
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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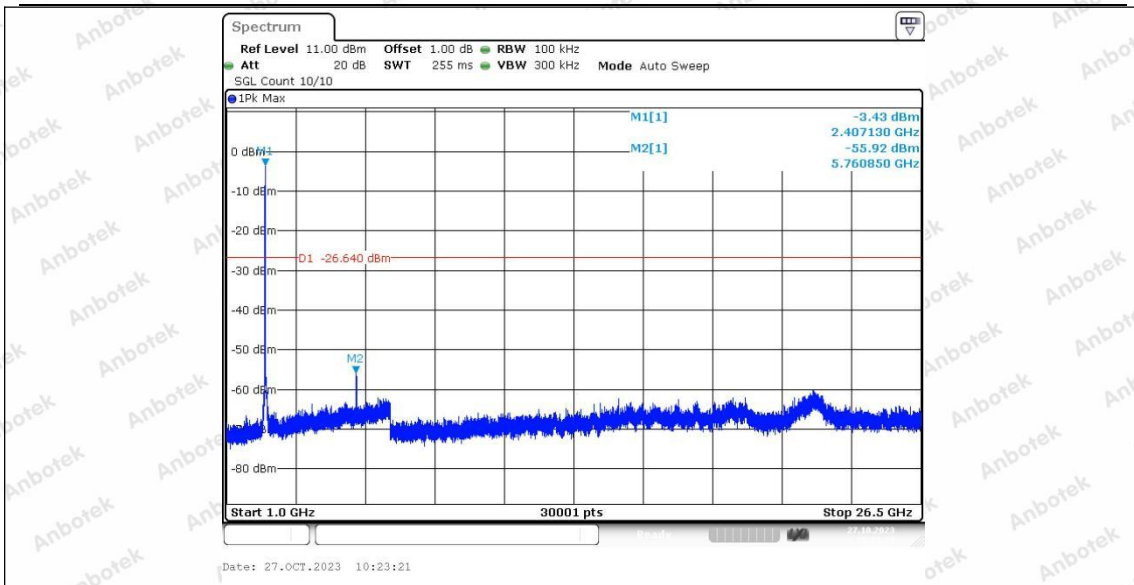
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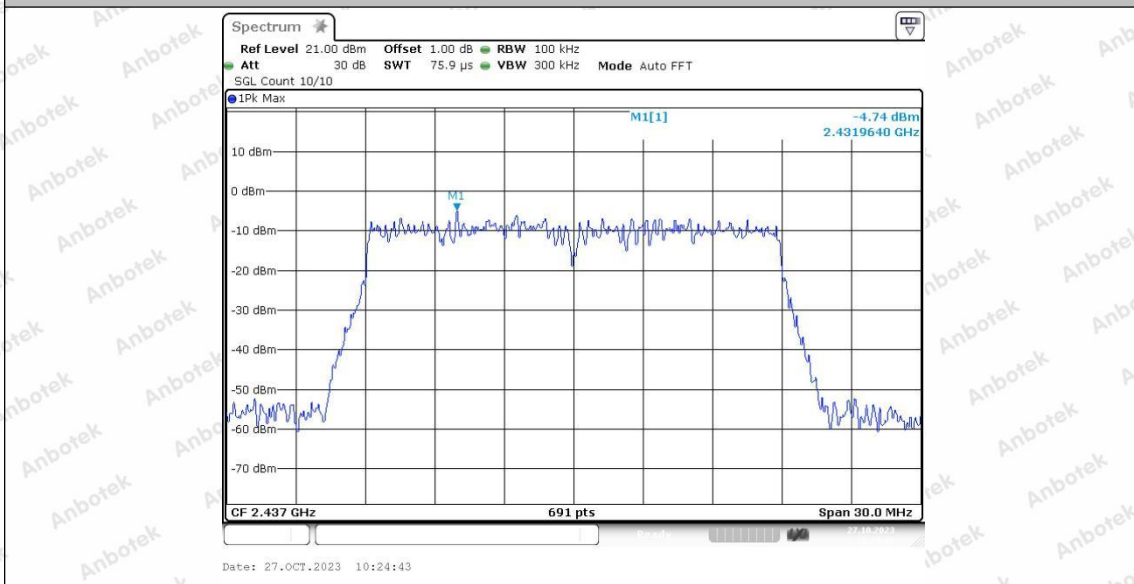
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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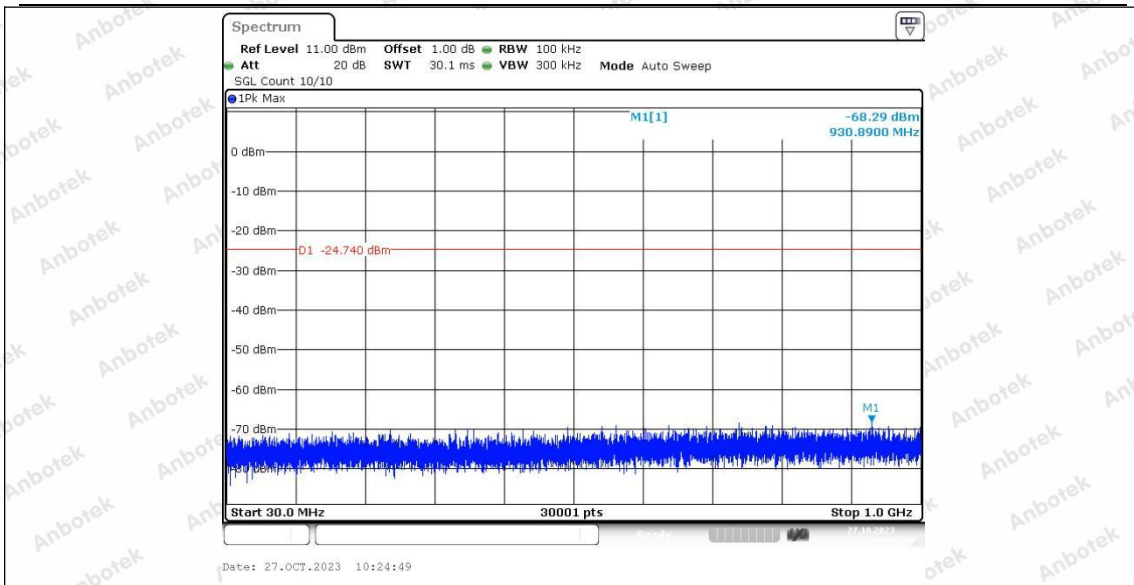


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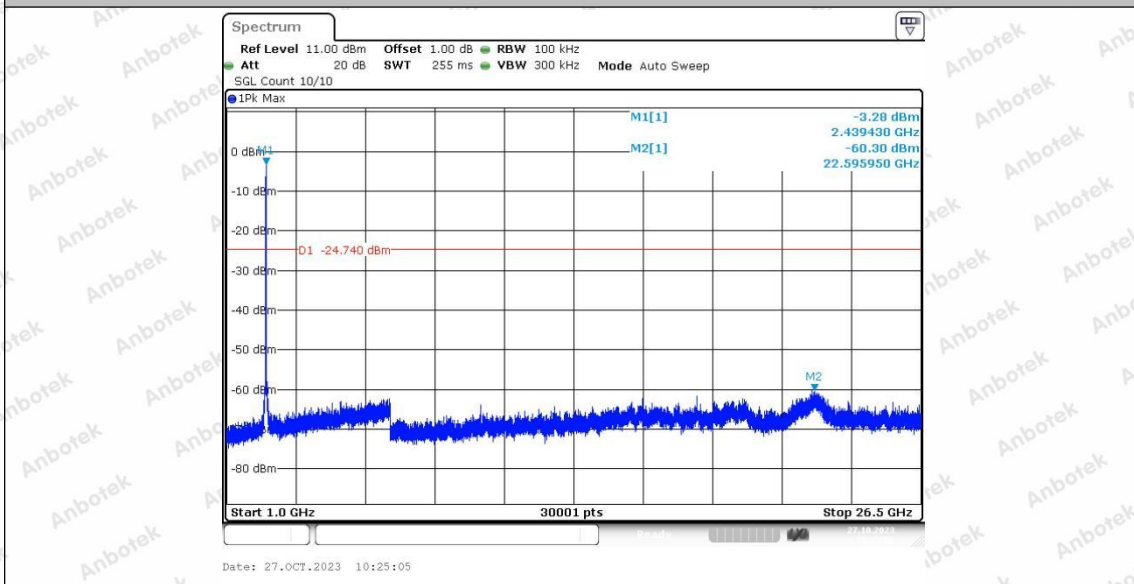


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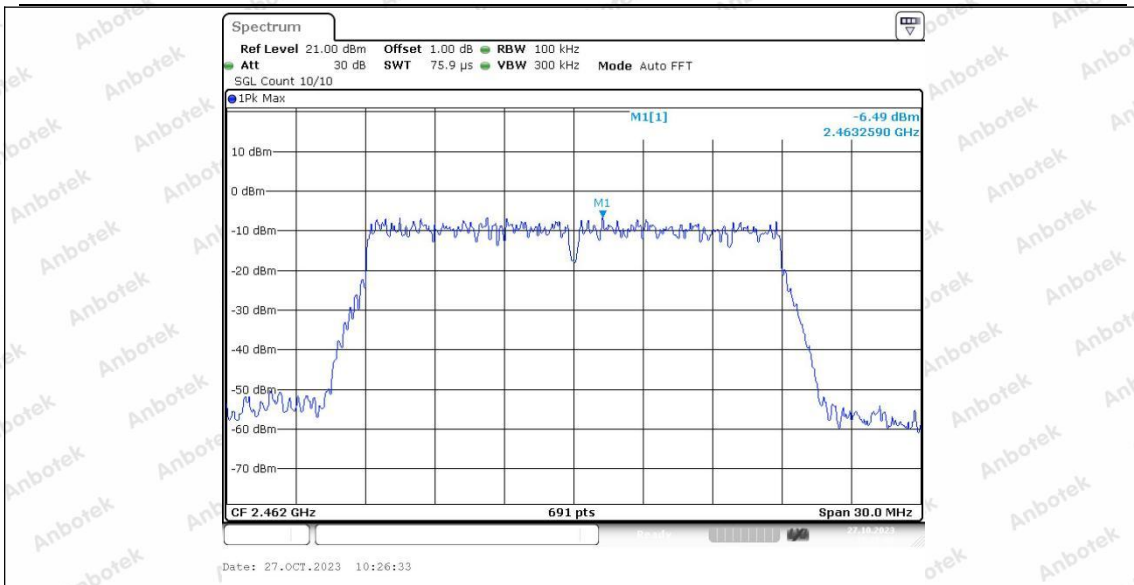
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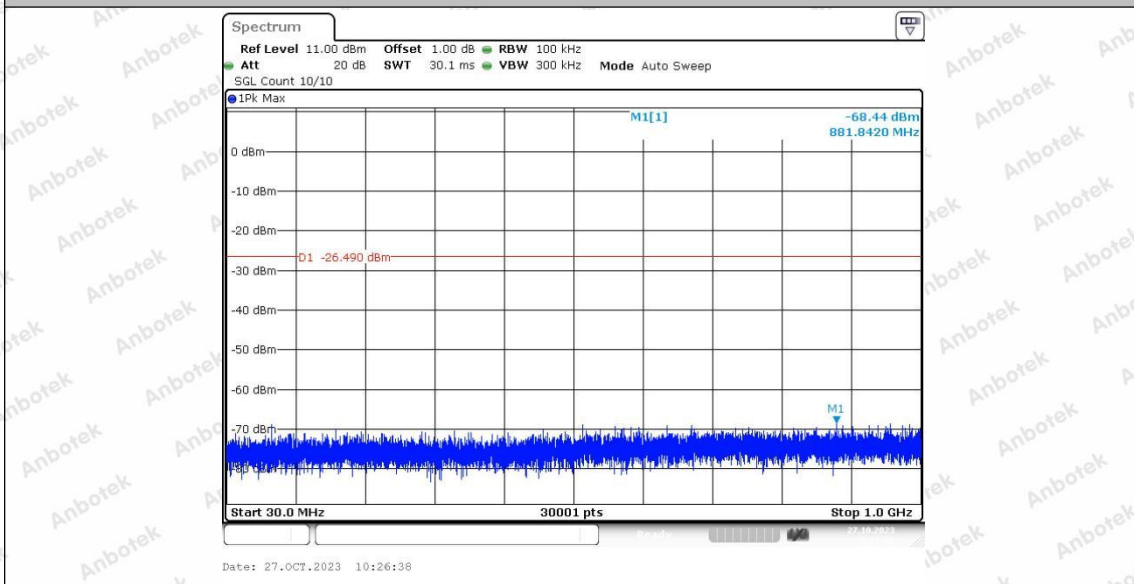
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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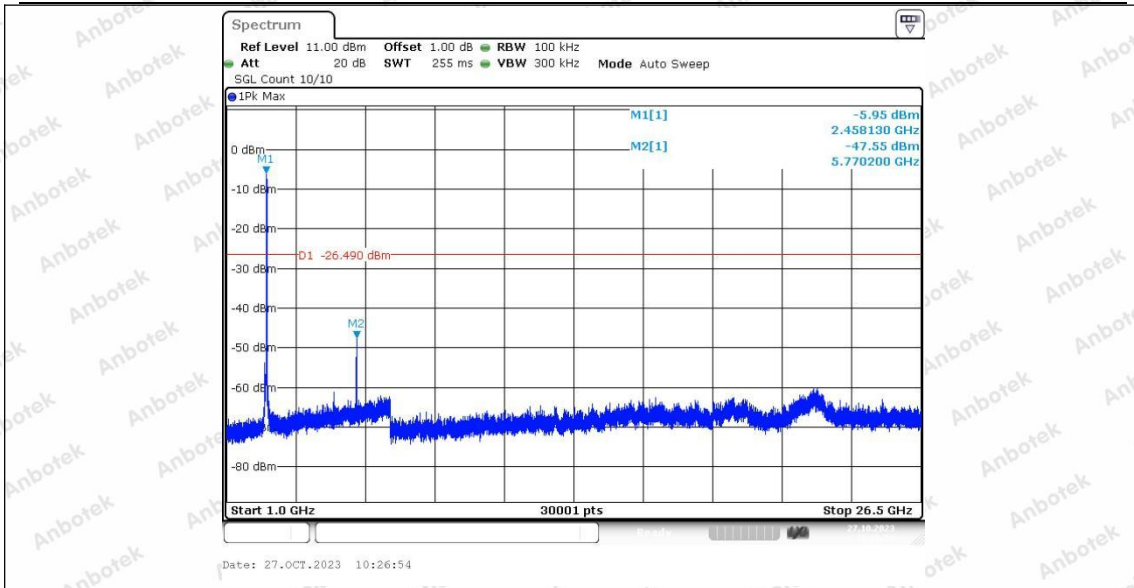
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## Appendix G: Duty Cycle

### 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	1.39	1.42	97.89	0.09
		2462	1.38	1.42	97.18	0.12
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
		2437	1.29	1.32	97.73	0.10
		2462	1.29	1.33	96.99	0.13

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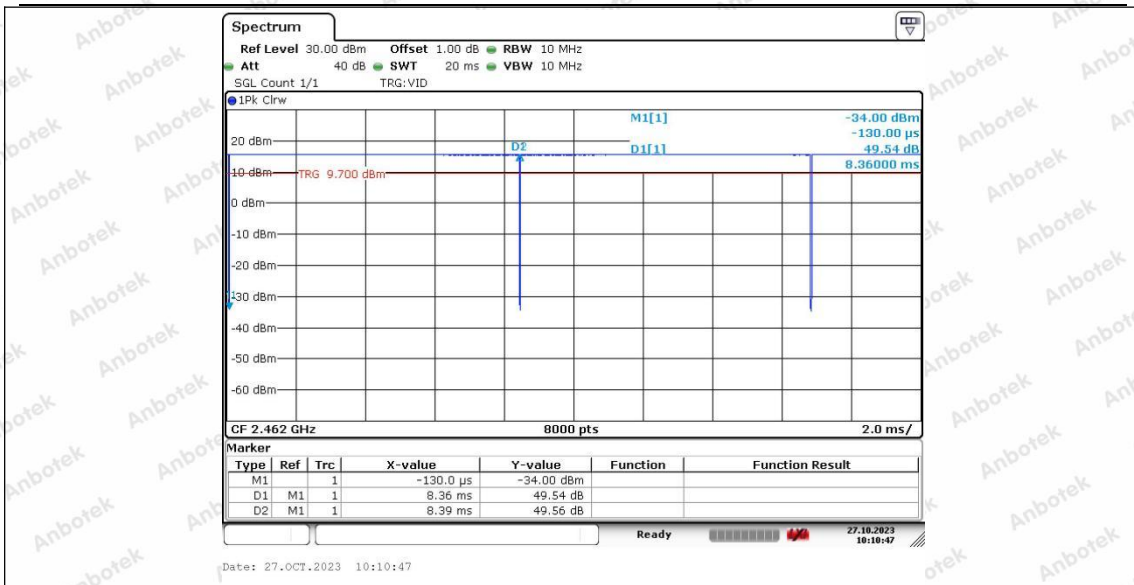
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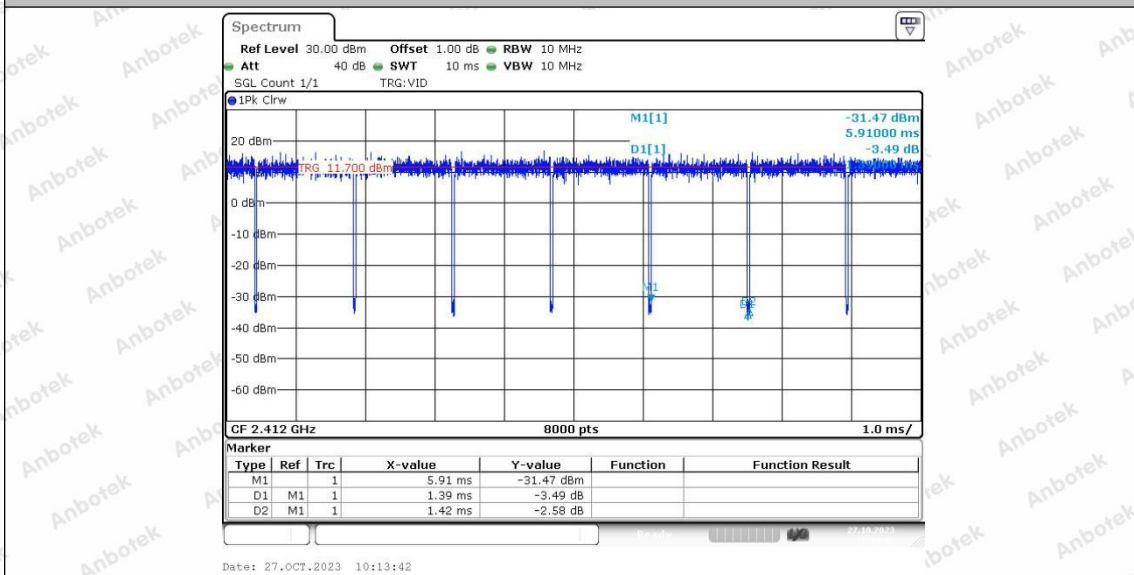
## Test Graphs





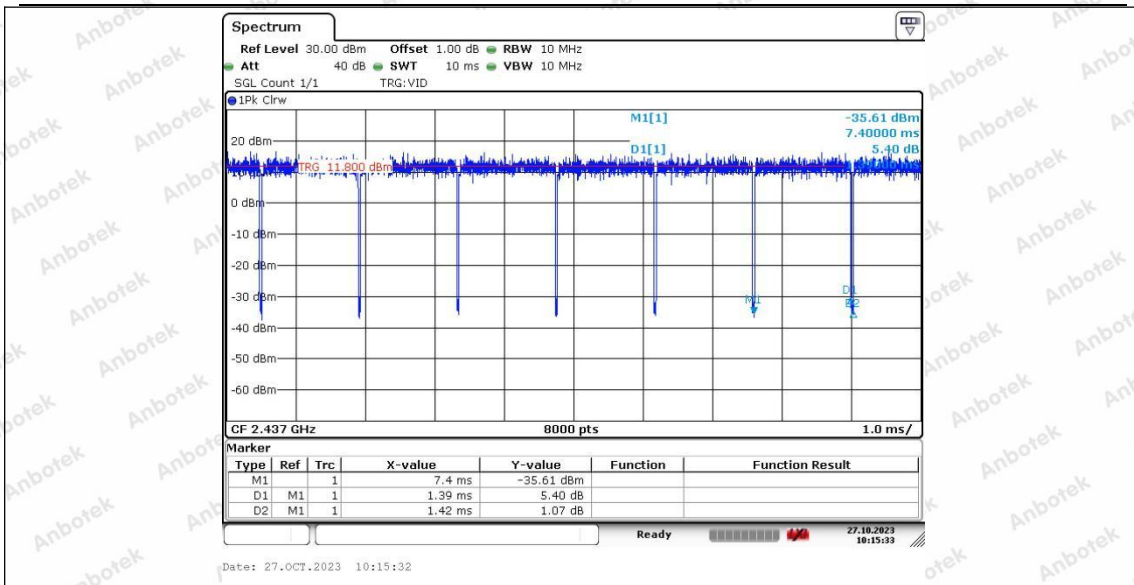


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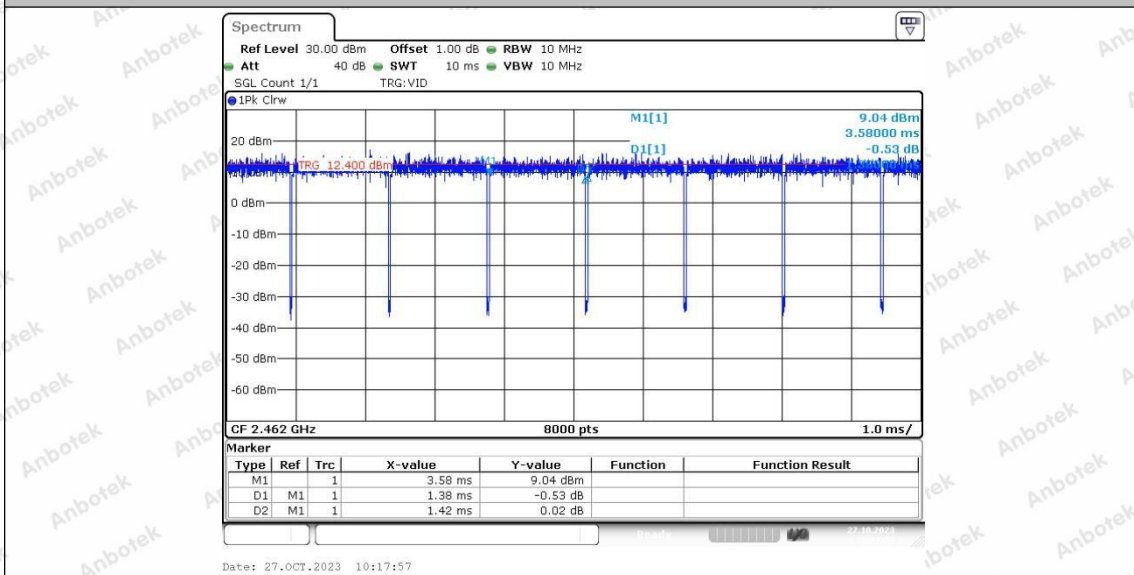


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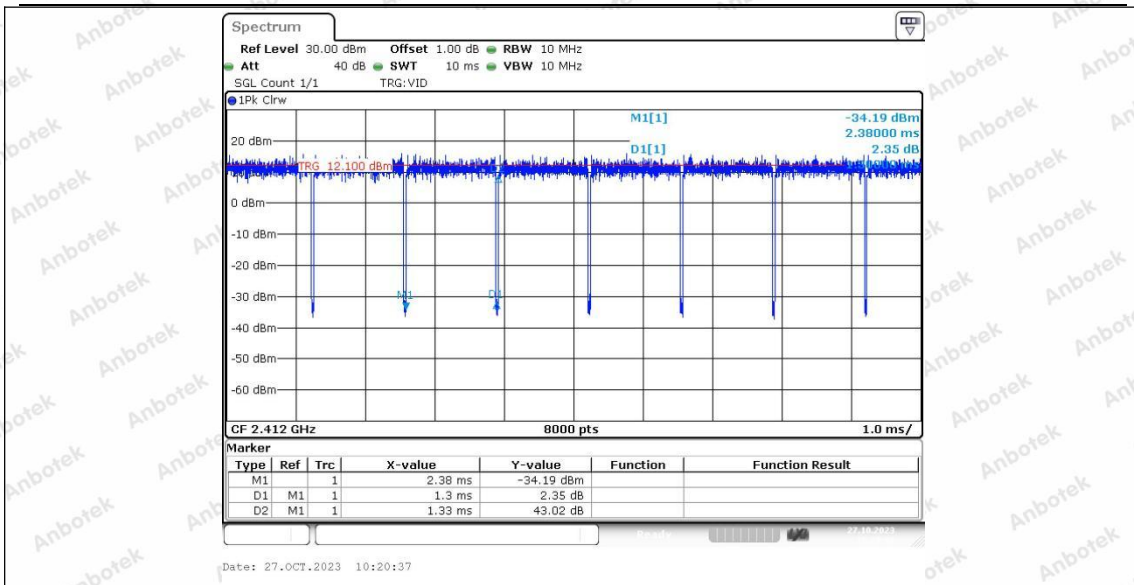


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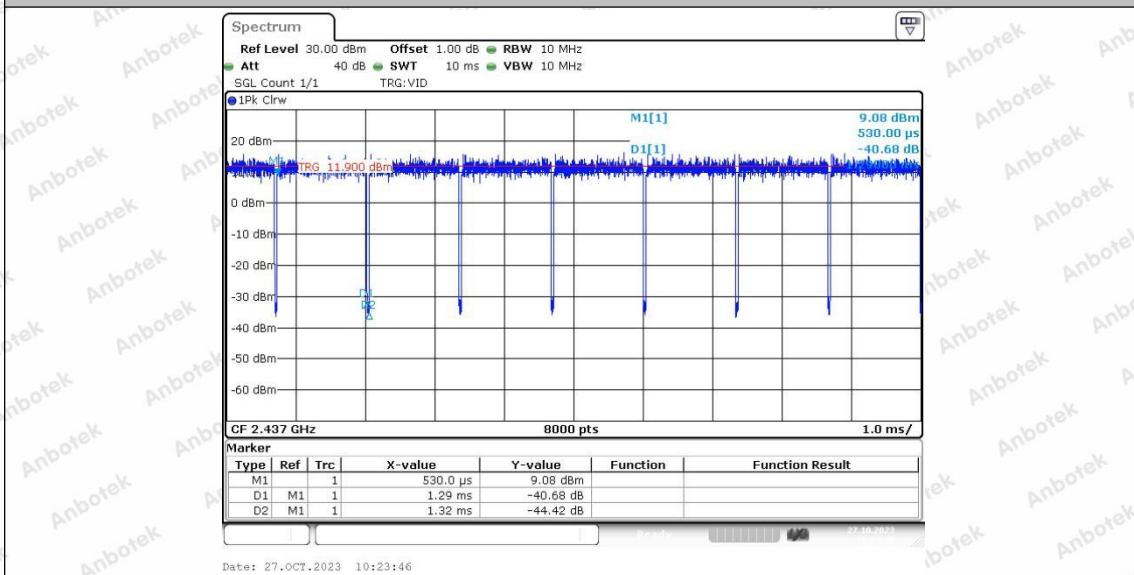


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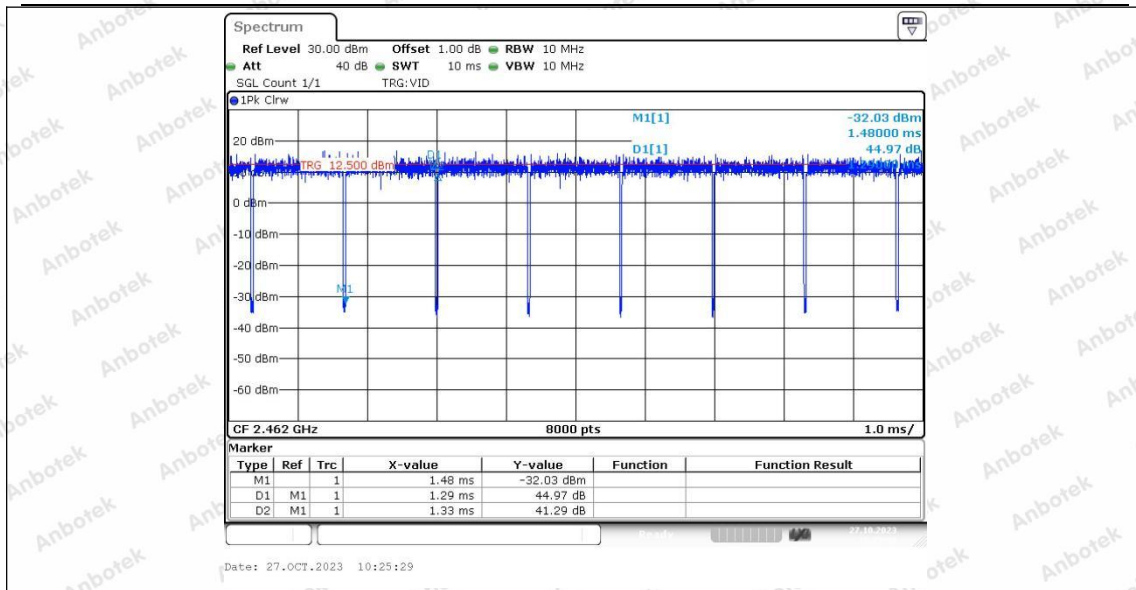


11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





---End---

