

Appendix Test Data

Report No.:	18220WC30216901	Test Sample No.:	1-2-2
Start Test Date:	2023.10.25	Finish Test Date:	2023.10.26
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	26.1°C	Relative Humidity:	49.3%
Pressure:	101kPa		

Appendix A: 20dB Emission Bandwidth

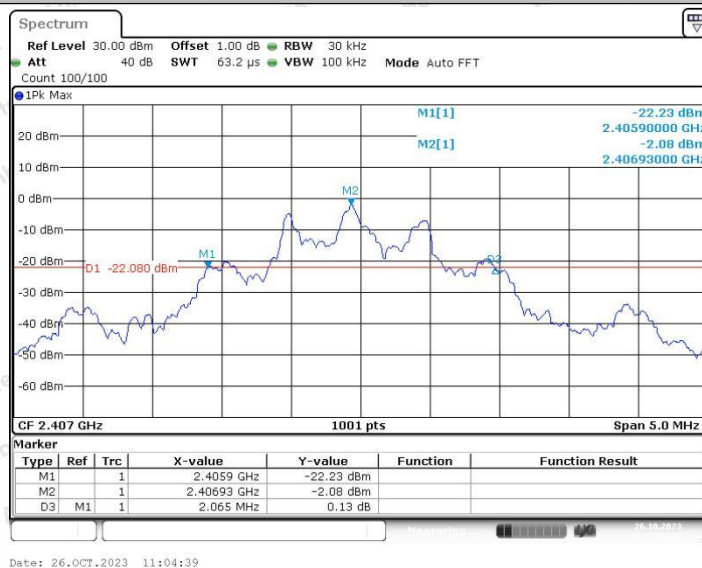
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2407	2.07	2405.90	2407.97	---	---
		2437	1.96	2436.00	2437.96	---	---
		2477	2.05	2475.90	2477.95	---	---

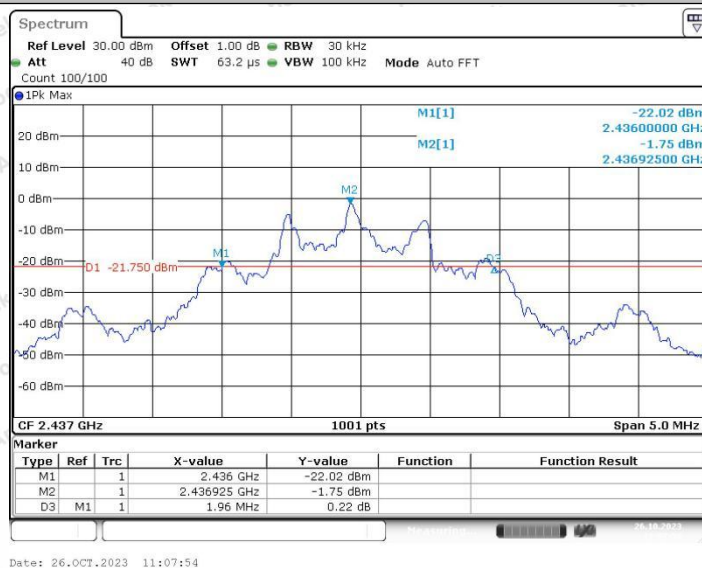


Test Graphs

2.4G_Ant1_2407



2.4G_Ant1_2437



2.4G_Ant1_2477

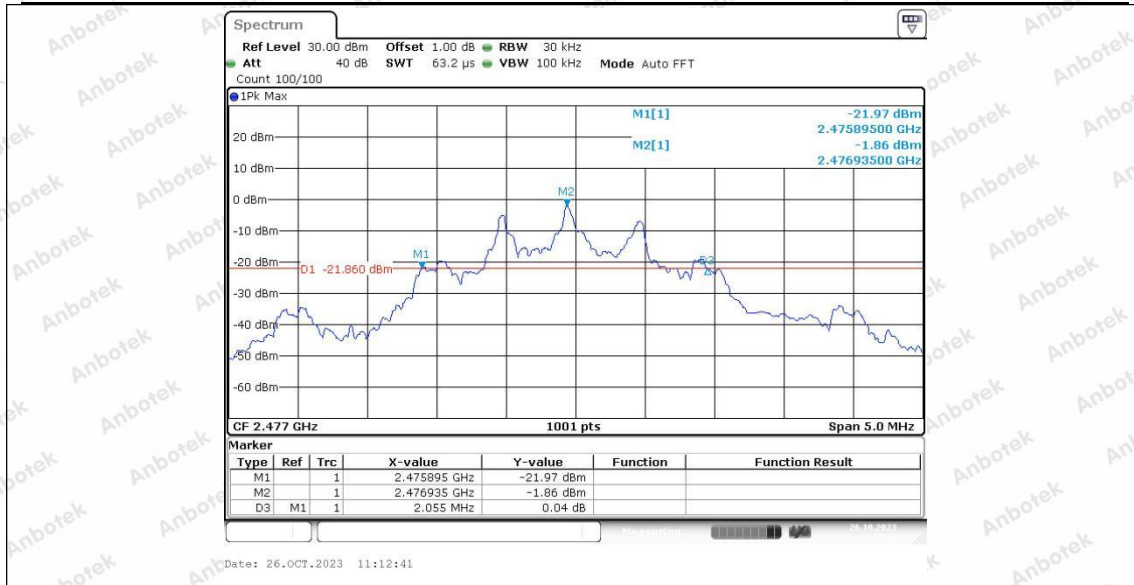
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Appendix B: Occupied Channel Bandwidth

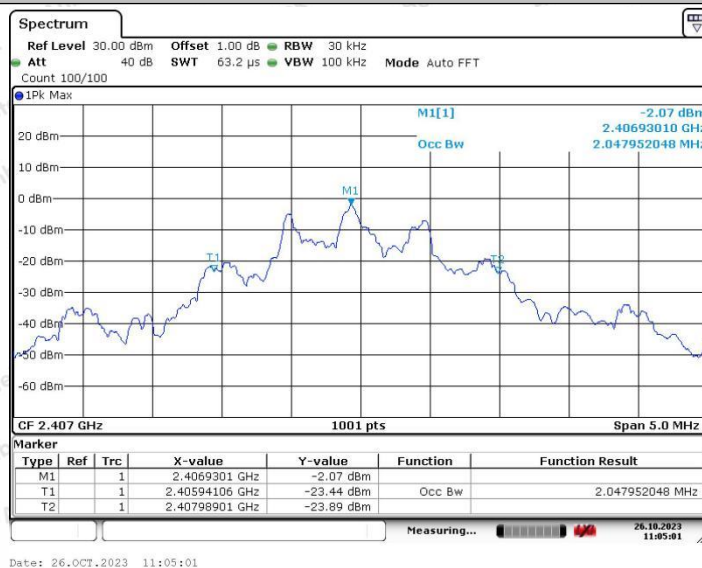
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2407	2.048	2405.9411	2407.9890	---	---
		2437	2.063	2435.9261	2437.9890	---	---
		2477	2.103	2475.9111	2478.0140	---	---

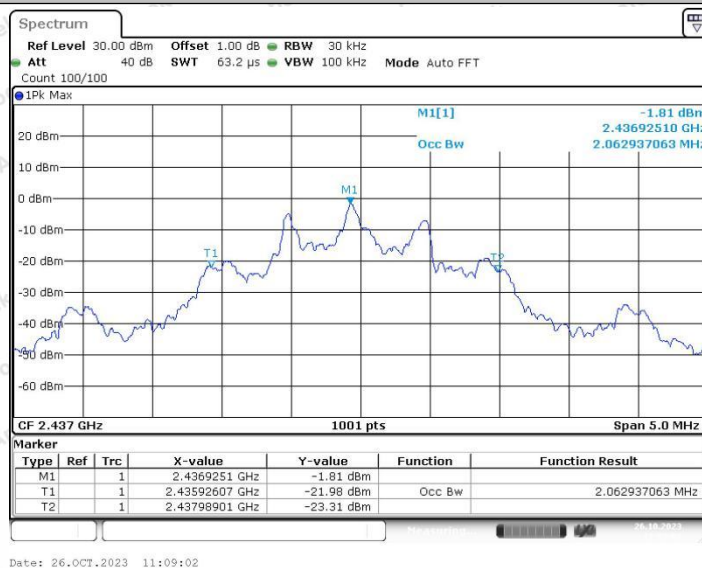


Test Graphs

2.4G_Ant1_2407



2.4G_Ant1_2437



2.4G_Ant1_2477

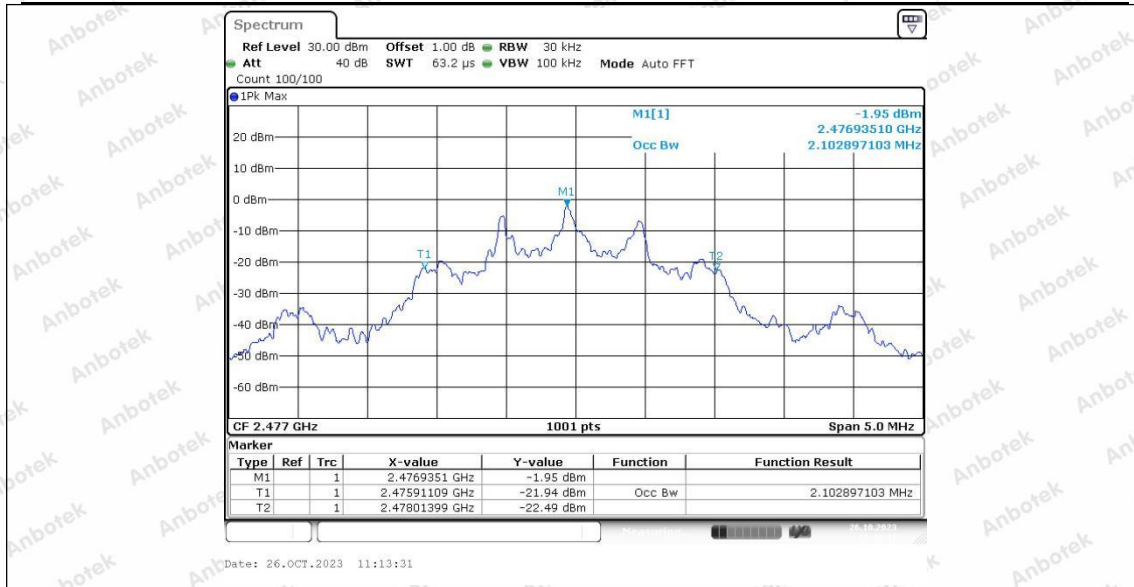
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Appendix C: Maximum conducted output power

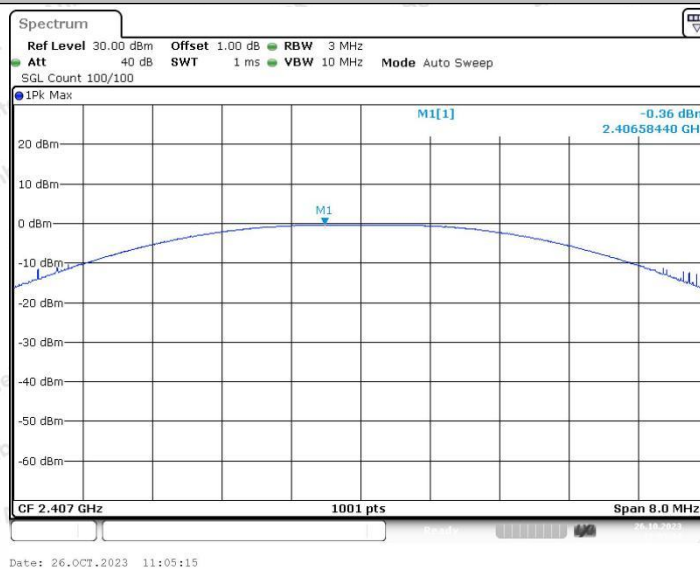
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2407	-0.36	≤20.97	PASS
		2437	-0.68	≤20.97	PASS
		2477	-1.10	≤20.97	PASS

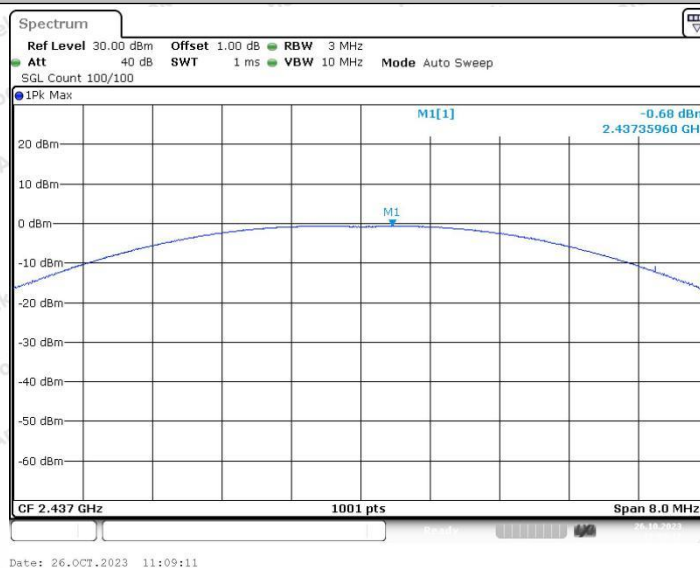


Test Graphs

2.4G_Ant1_2407



2.4G_Ant1_2437



2.4G_Ant1_2477

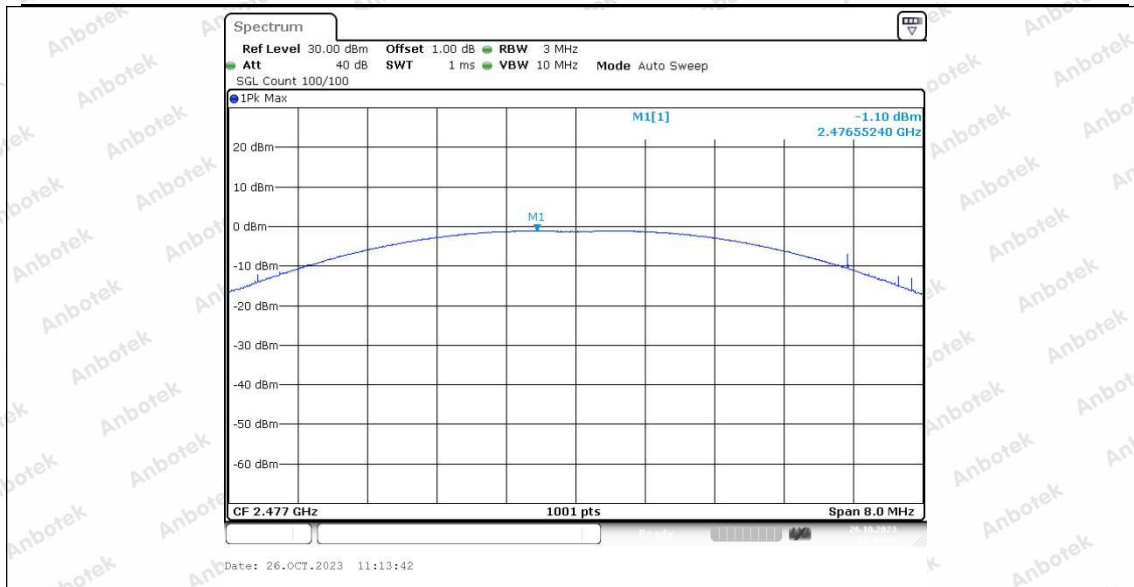
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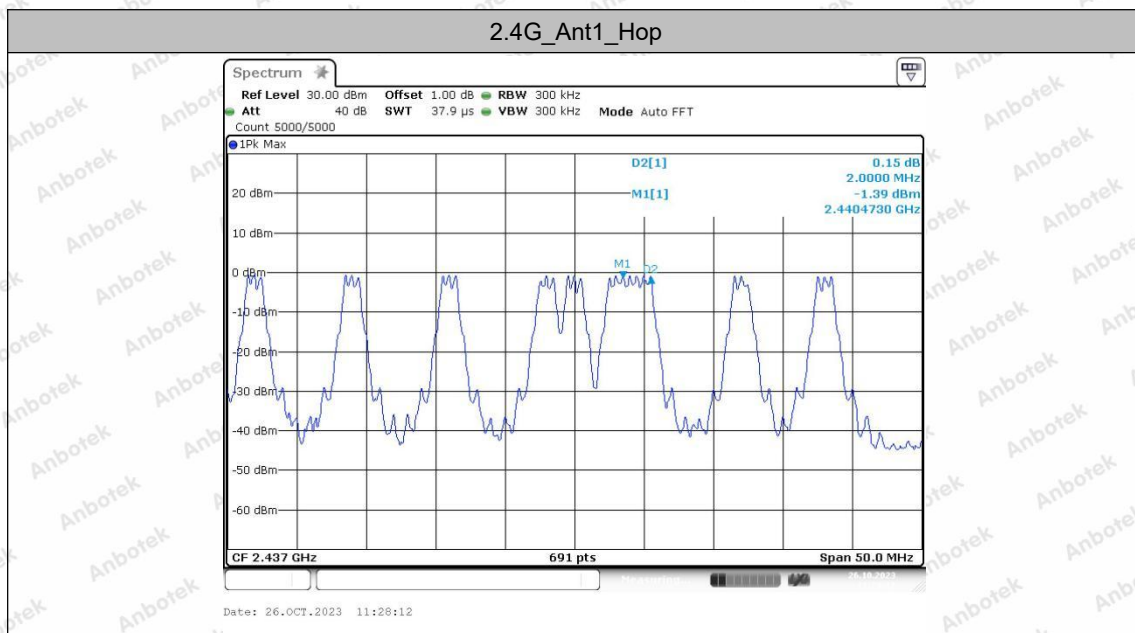
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.380	PASS

Test Graphs

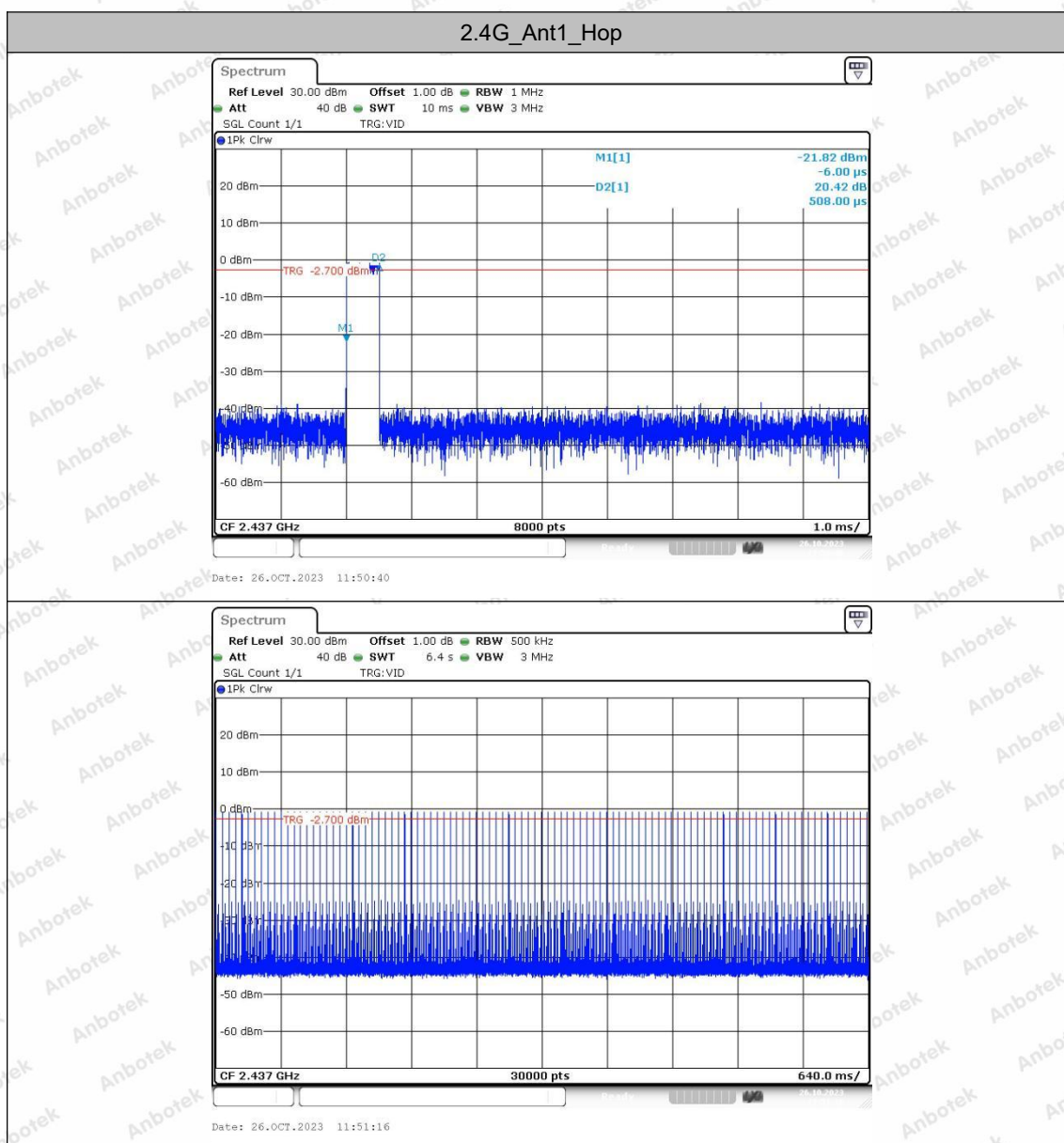


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.508	101	0.051	≤0.4	PASS

Test Graphs

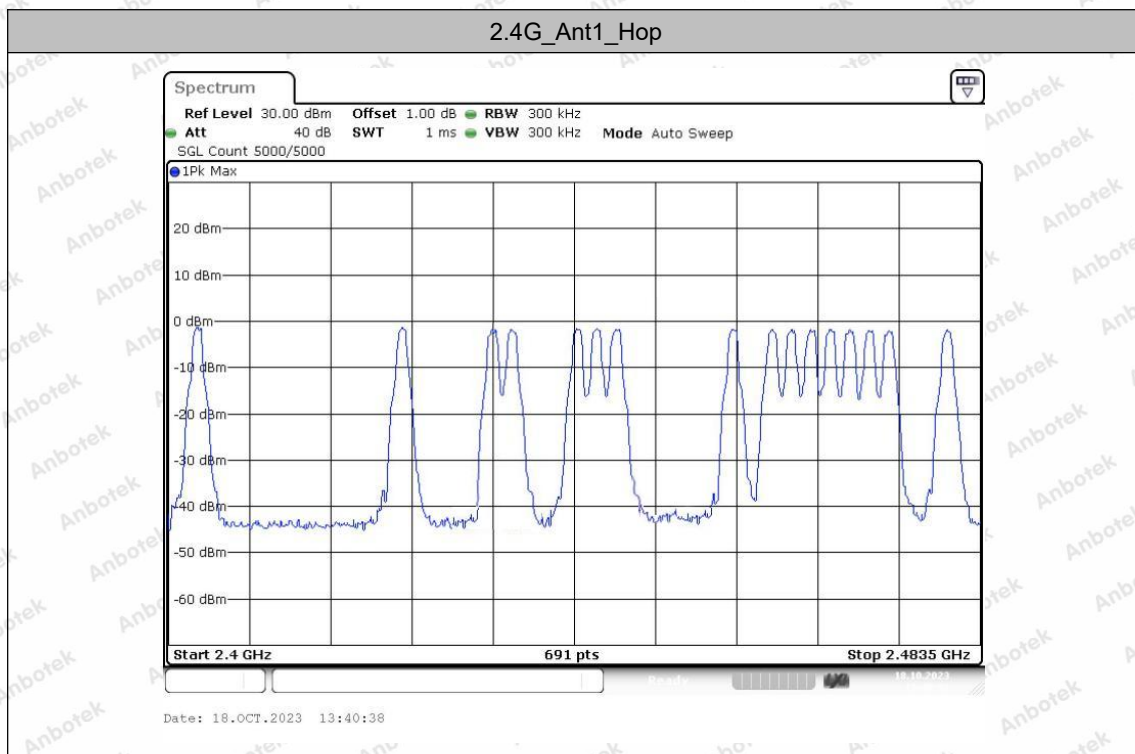


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



Appendix G: Band edge measurements

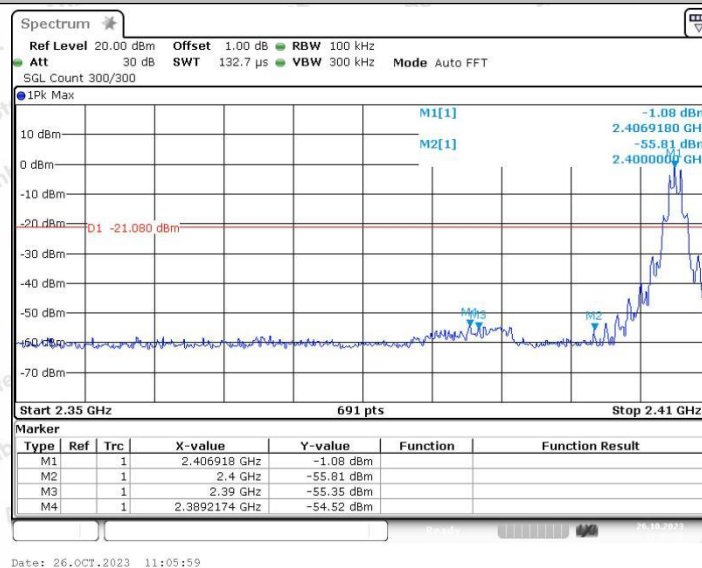
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2407	-1.08	-54.52	≤-21.08	PASS
		High	2477	-1.41	-48.58	≤-21.41	PASS
		Low	Hop_2407	-1.13	-54.54	≤-21.13	PASS
		High	Hop_2477	-1.48	-56.16	≤-21.48	PASS

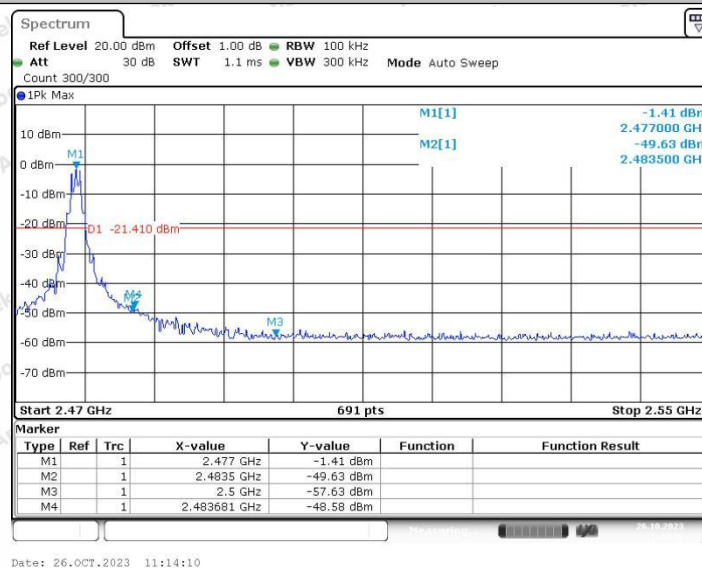


Test Graphs

2.4G_Ant1_Low_2407



2.4G_Ant1_High_2477



2.4G_Ant1_Low_Hop_2407

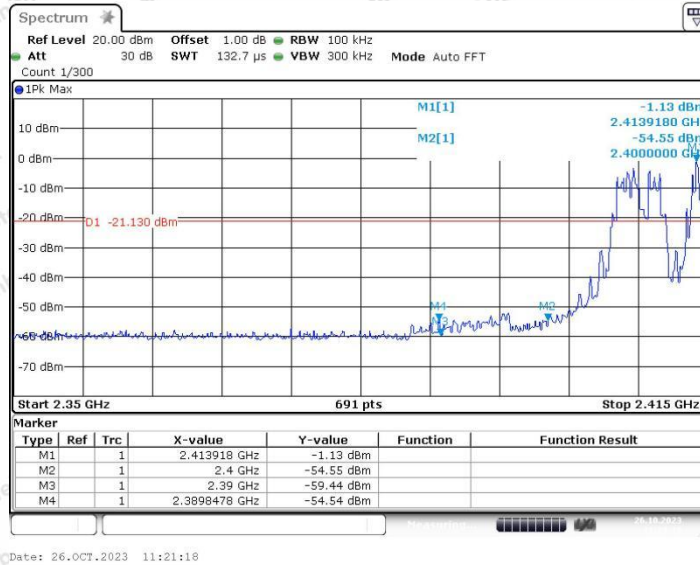
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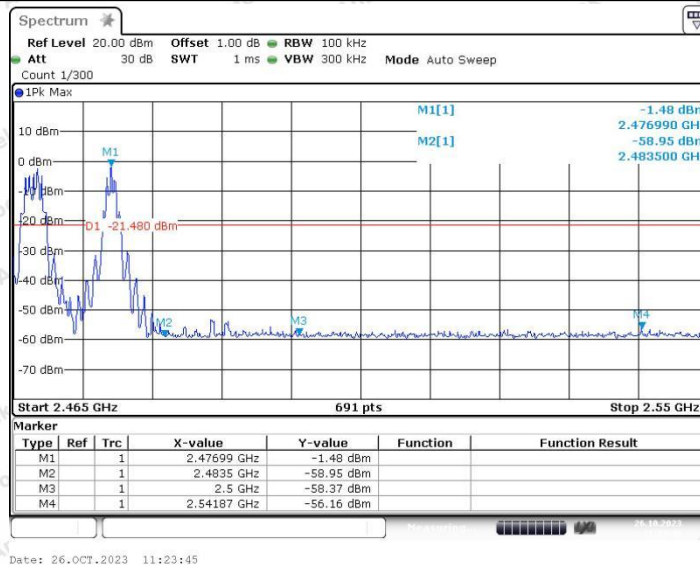


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2.4G_Ant1_High_Hop_2477



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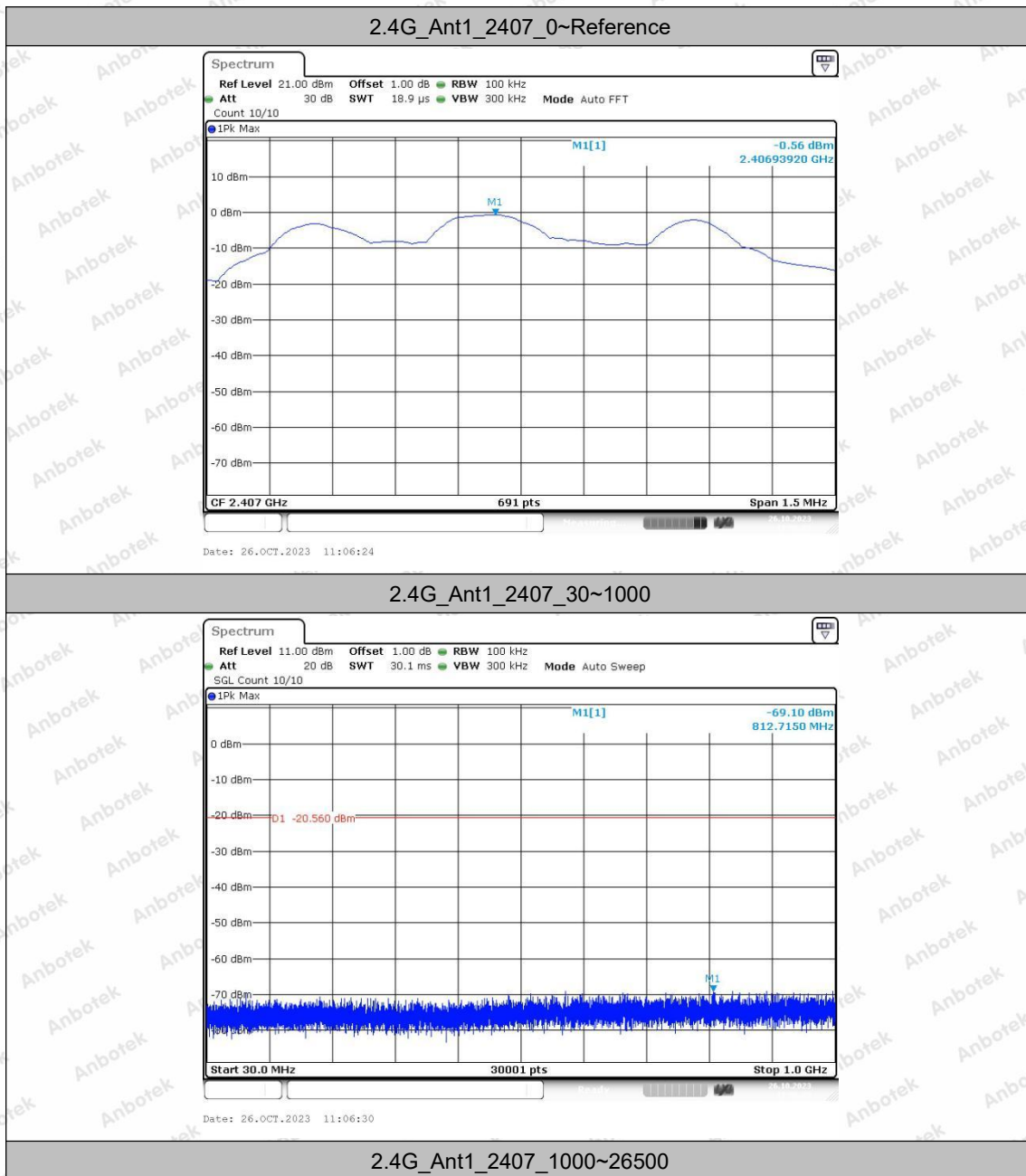
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2407	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-69.1	≤-20.56	PASS
			1000~26500	-0.56	-34.72	≤-20.56	PASS
		2437	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-68.76	≤-20.88	PASS
			1000~26500	-0.88	-31.75	≤-20.88	PASS
		2477	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-67.72	≤-21.32	PASS
			1000~26500	-1.32	-35.3	≤-21.32	PASS



Test Graphs



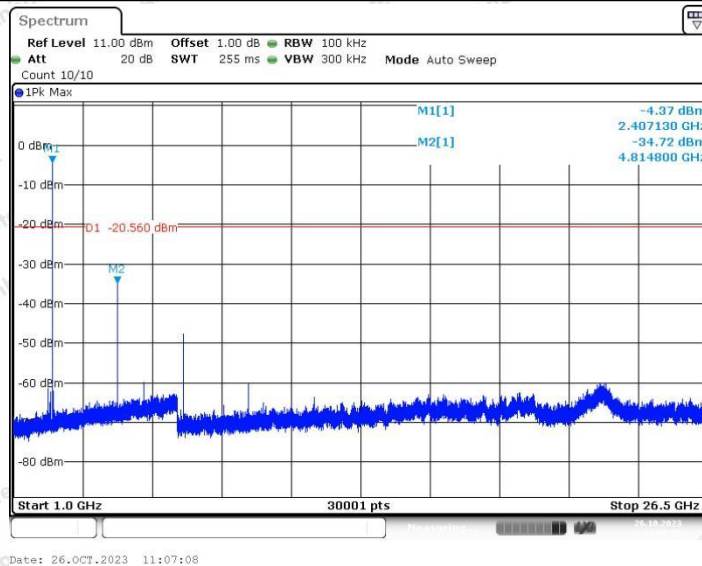
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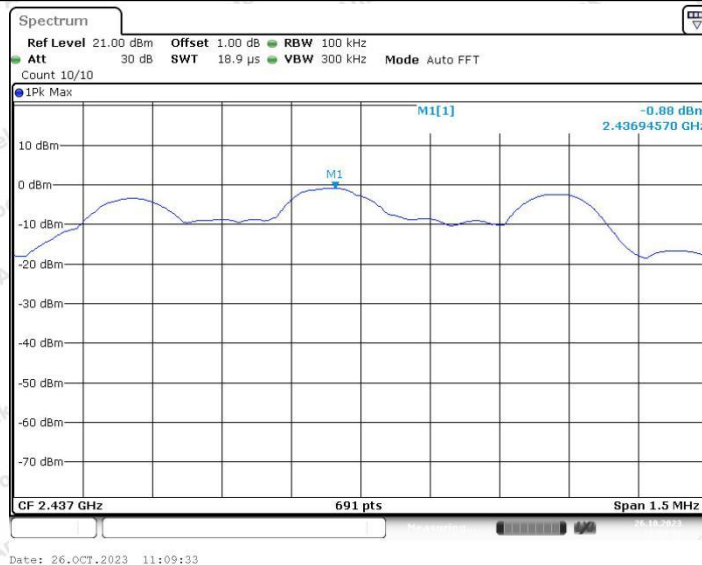


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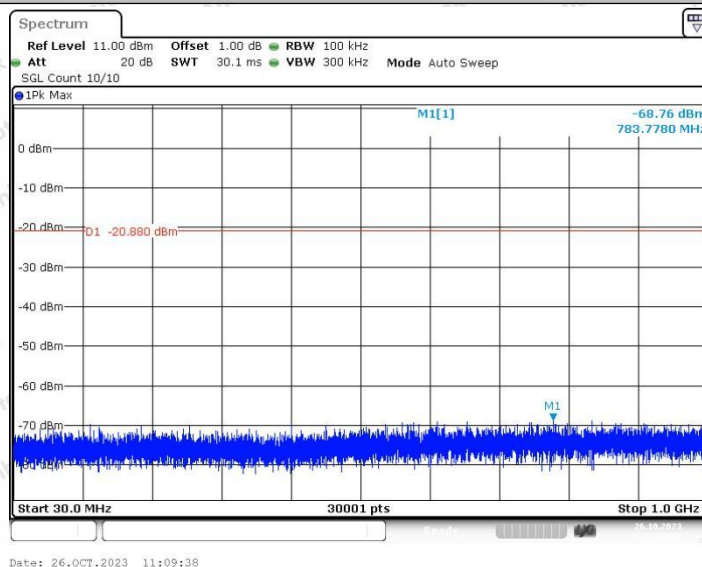




2.4G_Ant1_2437_0~Reference



2.4G_Ant1_2437_30~1000



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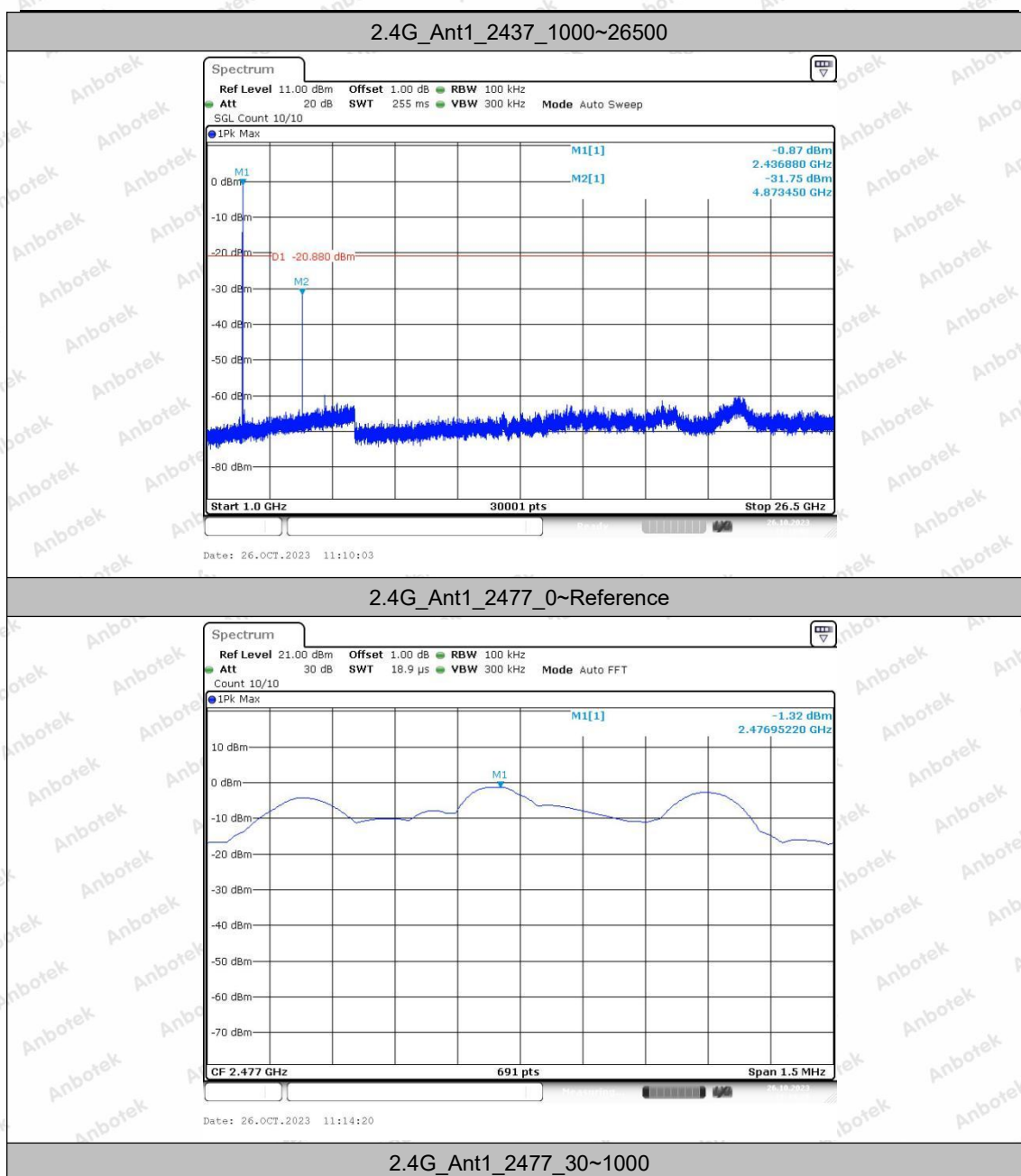


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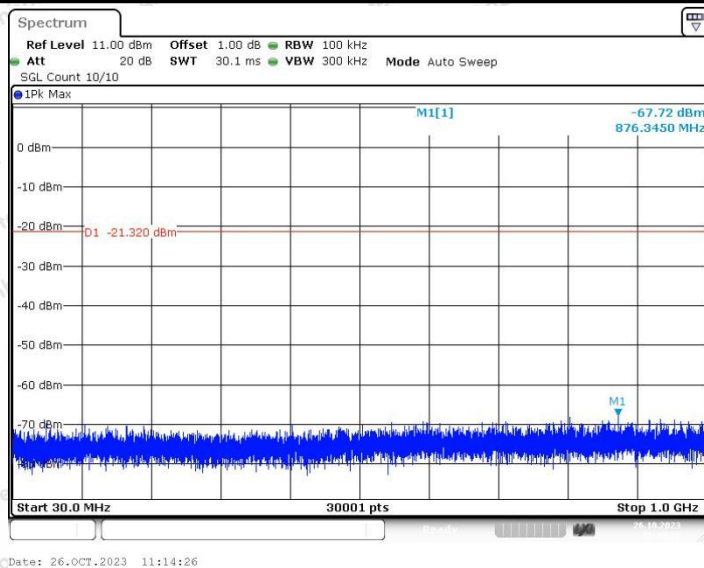
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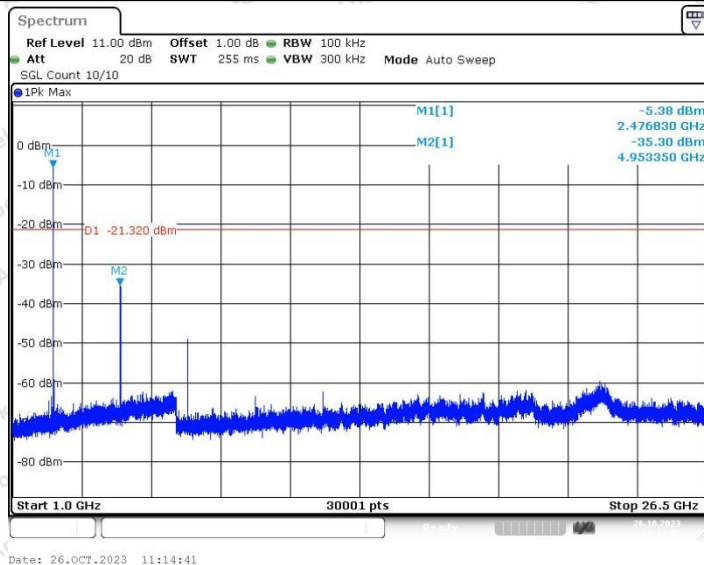


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2.4G_Ant1_2477_1000~26500



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Appendix I: Duty Cycle

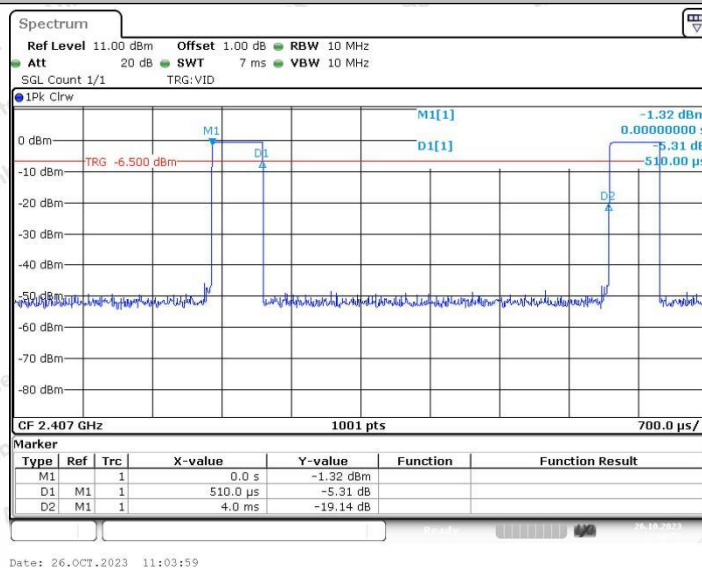
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2407	0.51	4.00	12.75	8.94
		2437	0.51	3.99	12.78	8.93
		2477	0.51	4.00	12.75	8.94

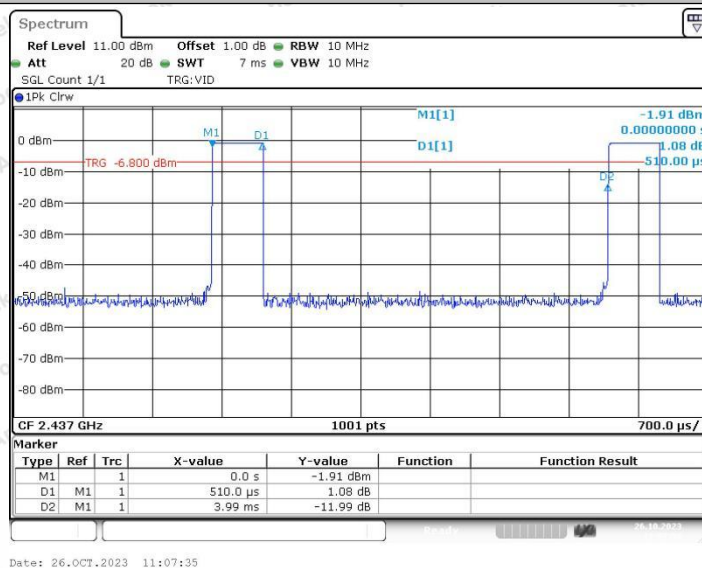


Test Graphs

2.4G_Ant1_2407

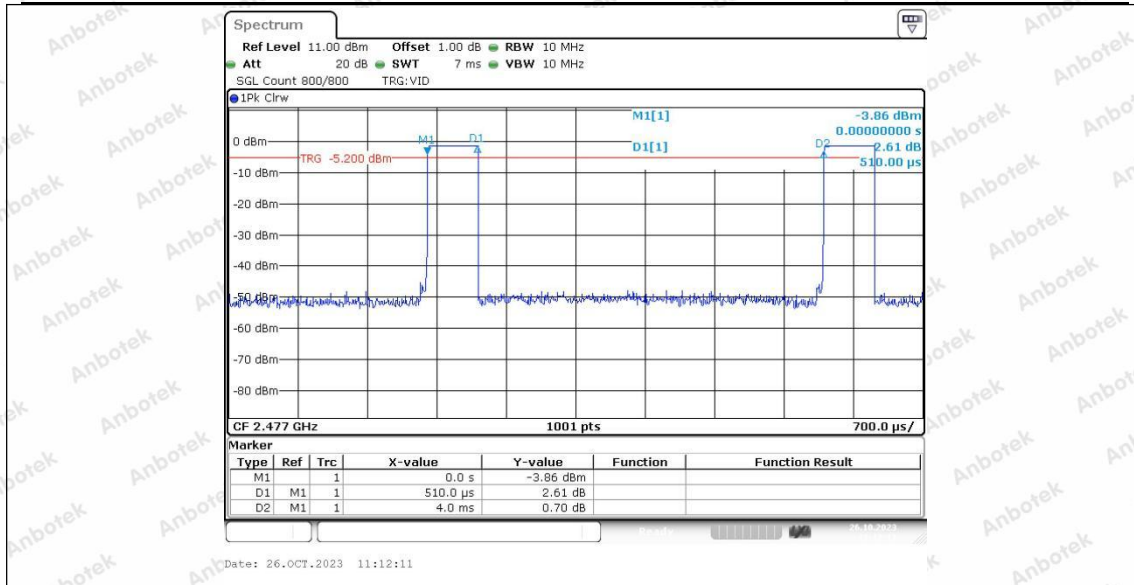


2.4G_Ant1_2437



2.4G_Ant1_2477





---END---

