

Appendix Test Data

Report No.:	18220WC30215201	Test Sample No.:	1-2-2
Start Test Date:	2023.10.12	Finish Test Date:	2023.10.17
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.4°C	Relative Humidity:	50.2%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

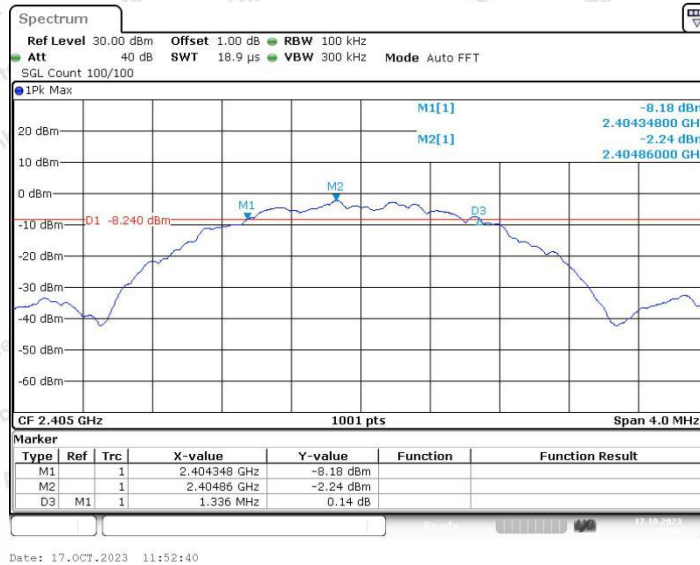
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.34	2404.35	2405.68	0.5	PASS
		2440	1.25	2439.42	2440.67	0.5	PASS
		2470	1.33	2469.34	2470.67	0.5	PASS

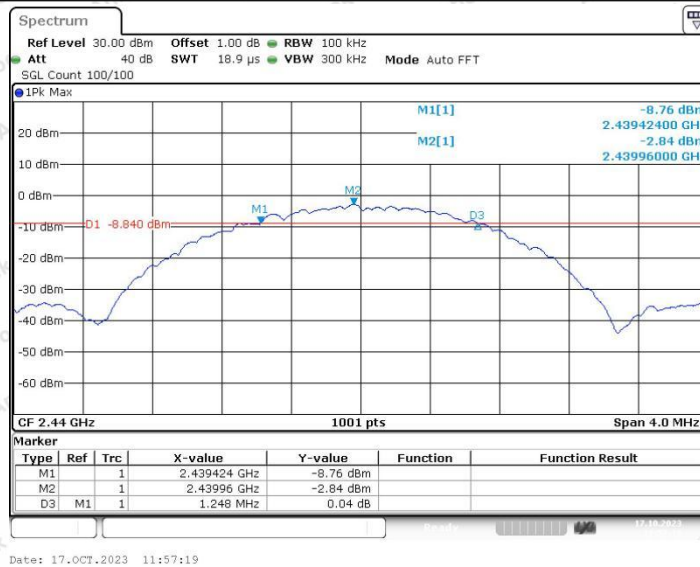


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

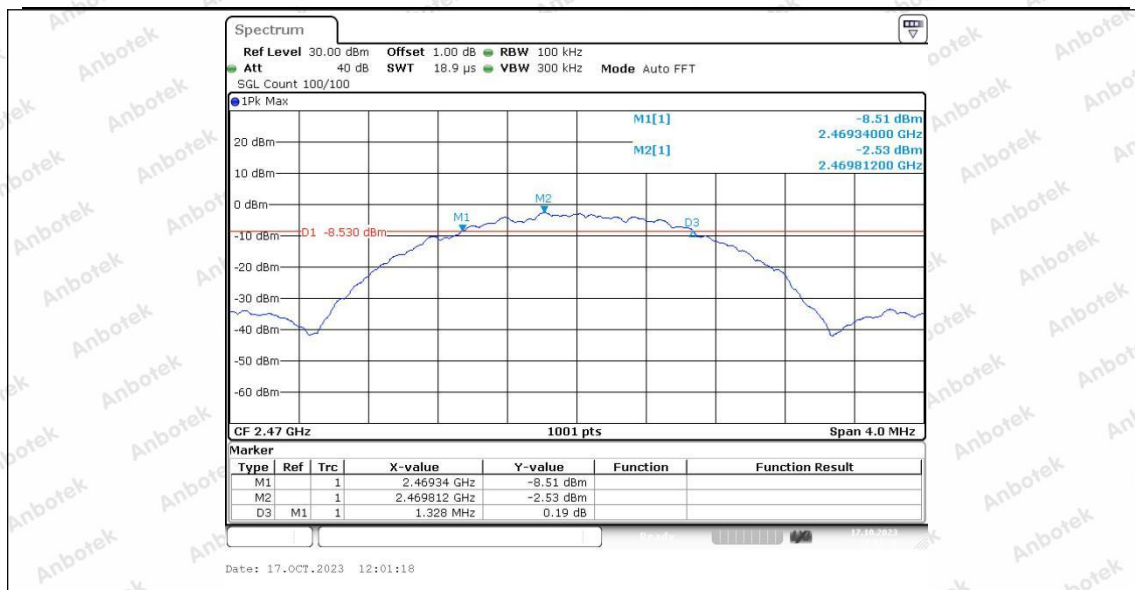
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Appendix B: Occupied Channel Bandwidth

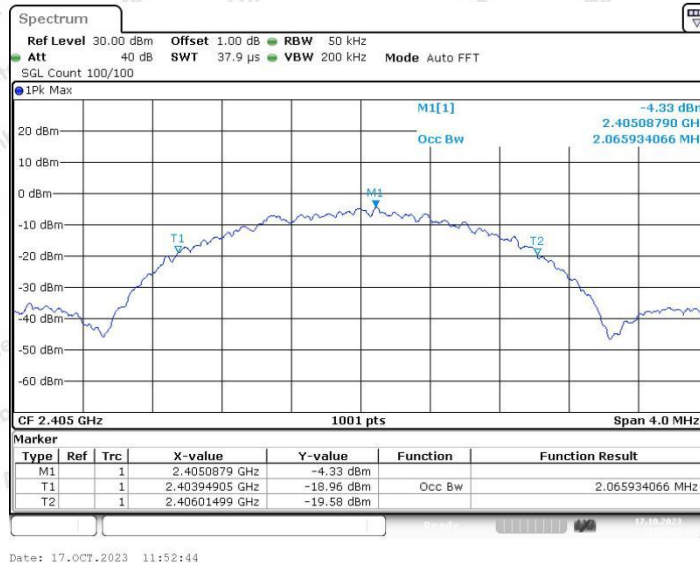
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.066	2403.9491	2406.0150
		2440	2.034	2438.9730	2441.0070
		2470	2.026	2468.9730	2470.9990

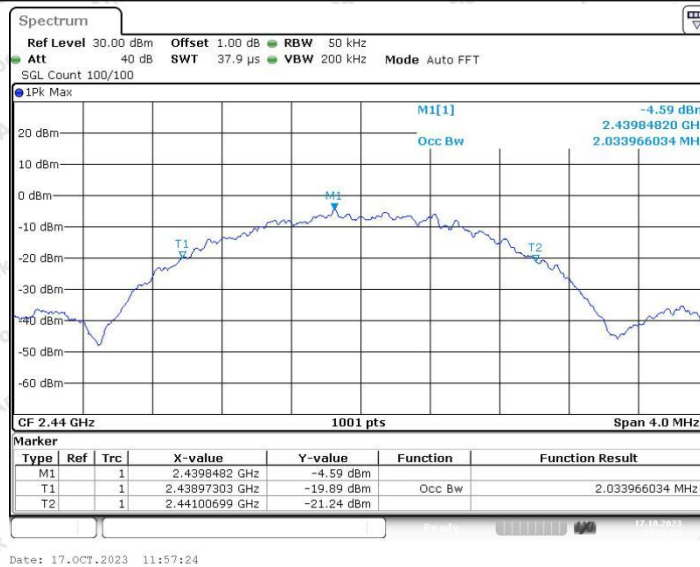


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

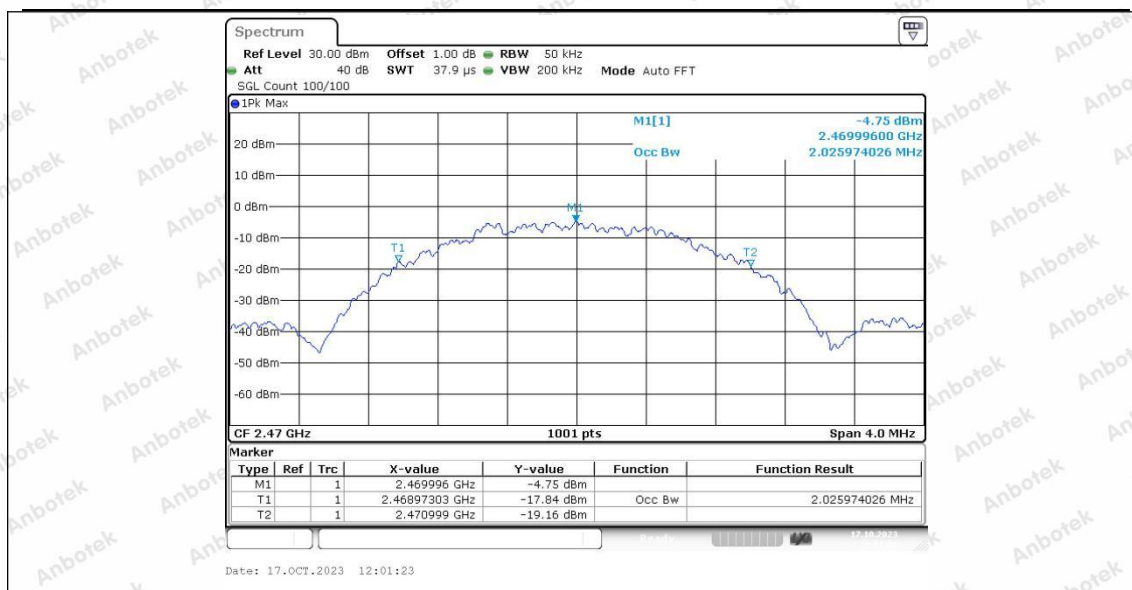
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Appendix C: Maximum conducted output power

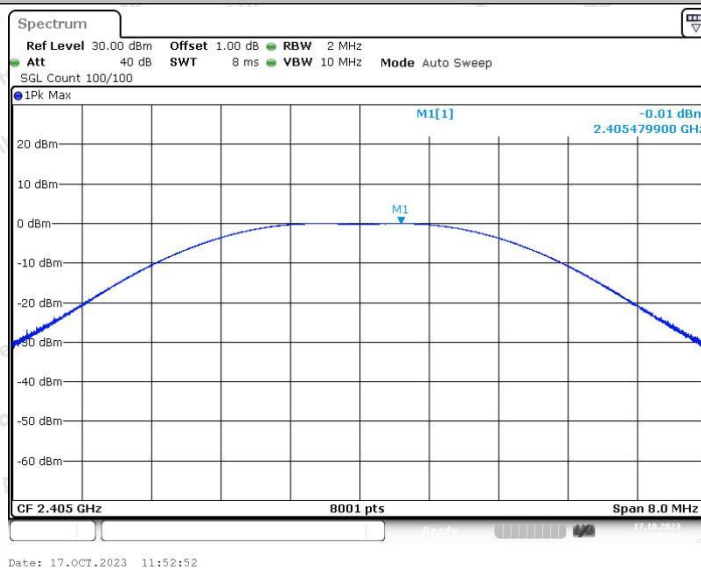
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-0.01	≤30	PASS
		2440	-0.08	≤30	PASS
		2470	-0.11	≤30	PASS

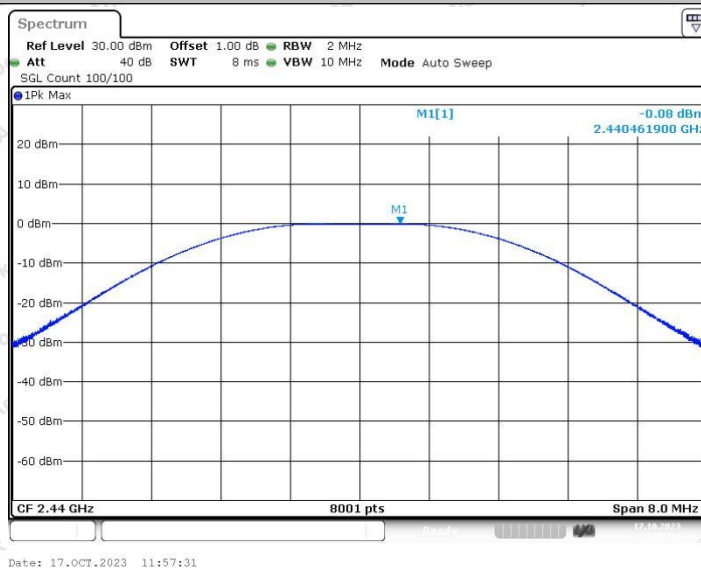


Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

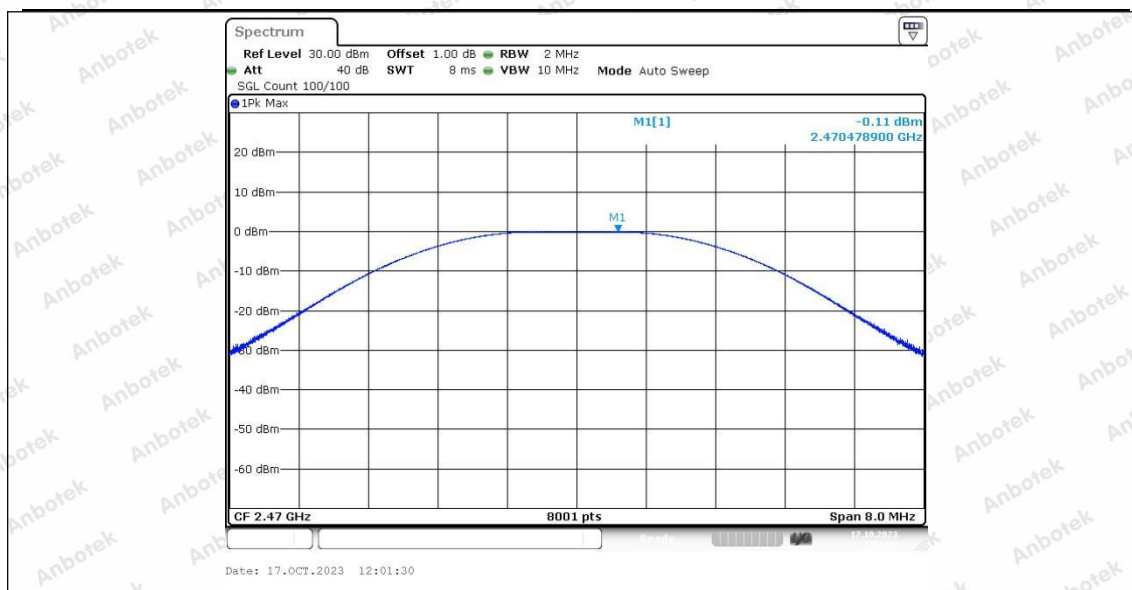
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Appendix D: Maximum power spectral density

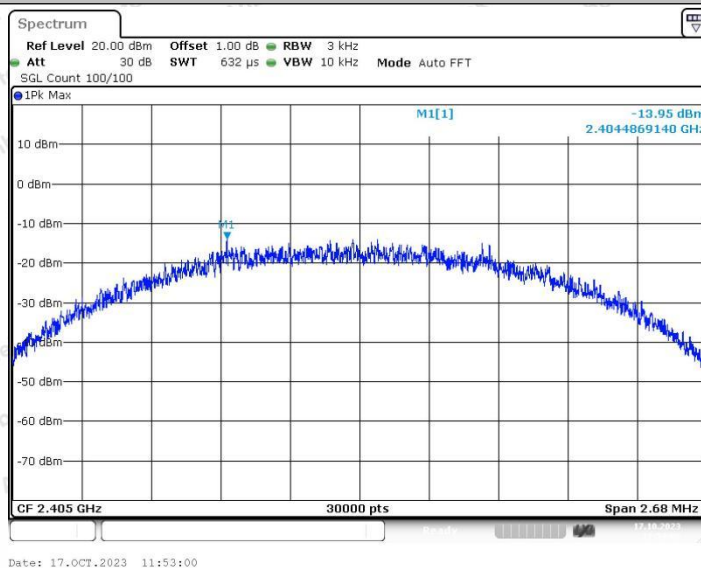
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-13.95	≤8.00	PASS
		2440	-13.68	≤8.00	PASS
		2470	-13.22	≤8.00	PASS

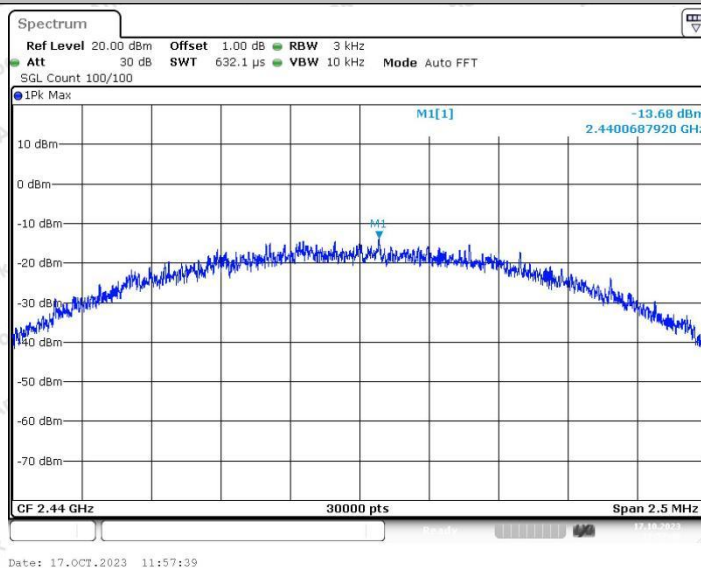


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

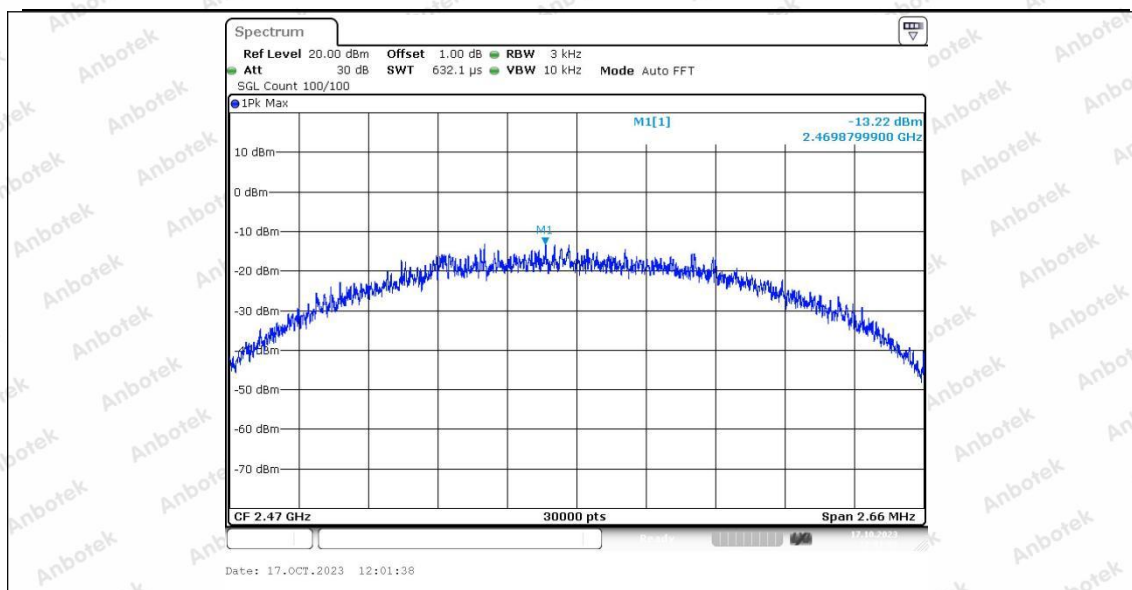
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Appendix E: Band edge measurements

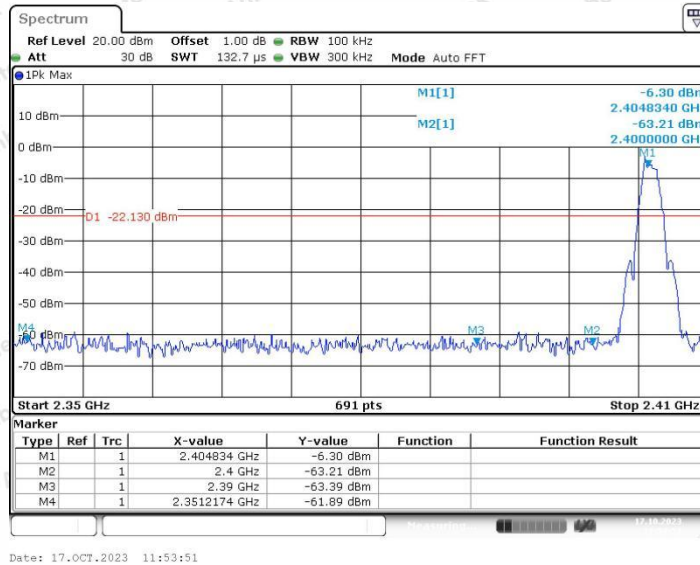
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-2.13	-61.89	≤-22.13	PASS
		High	2470	-7.57	-59.49	≤-27.57	PASS

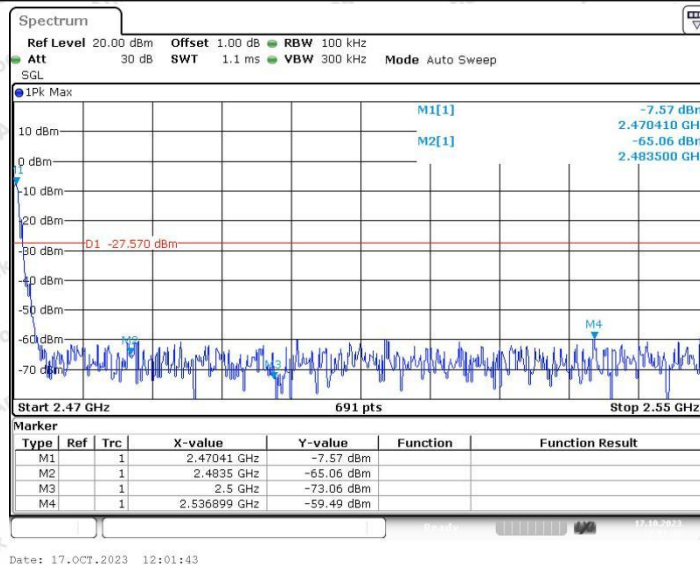


Test Graphs

2.4G_Ant1_Low_2405



2.4G_Ant1_High_2470



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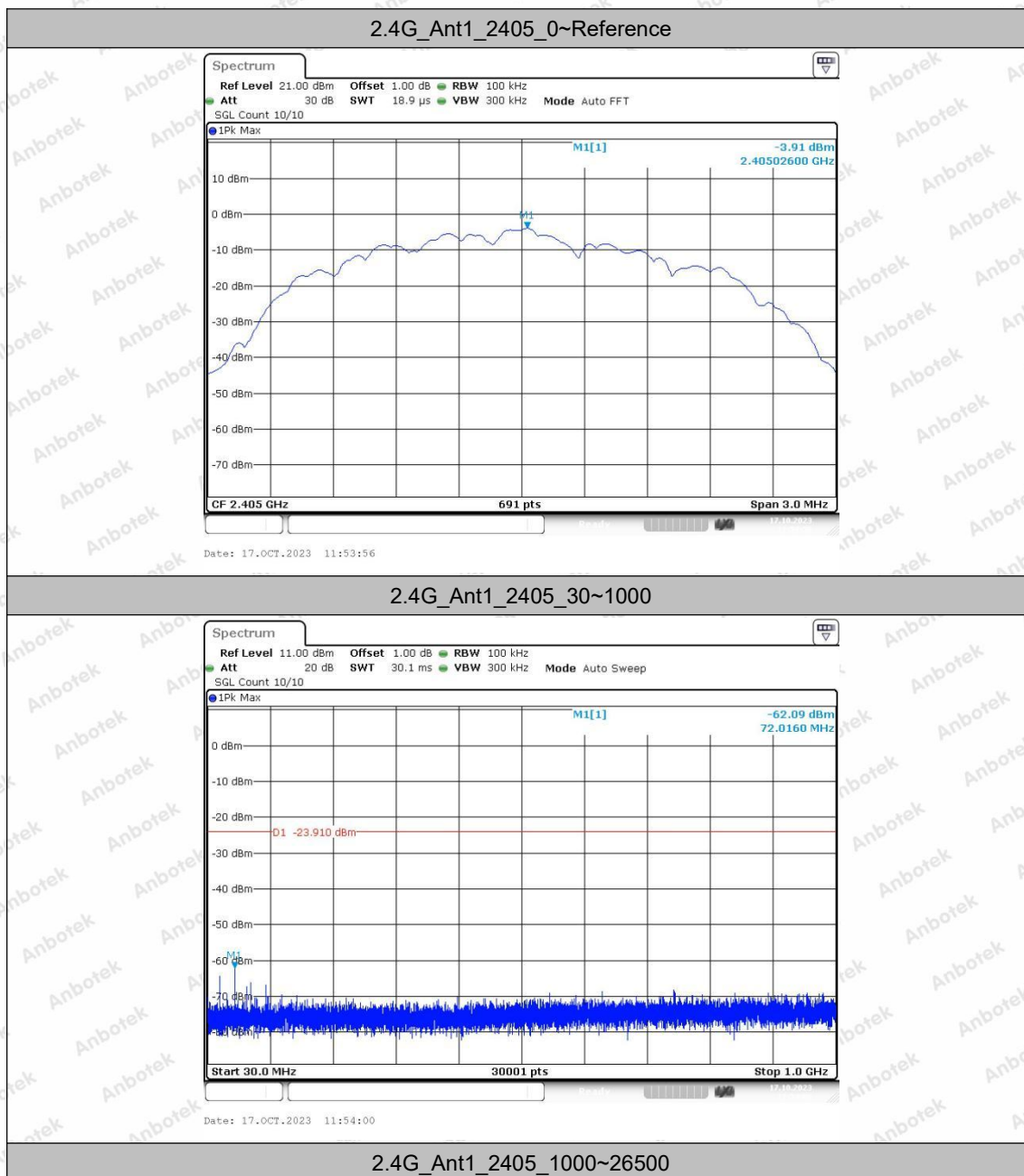
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-62.09	≤-23.91	PASS
			1000~26500	-3.91	-41.51	≤-23.91	PASS
		2440	Reference	-3.68	-3.68	---	PASS
			30~1000	-3.68	-61.94	≤-23.68	PASS
			1000~26500	-3.68	-42.03	≤-23.68	PASS
		2470	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-62.42	≤-22.58	PASS
			1000~26500	-2.58	-41.43	≤-22.58	PASS



Test Graphs



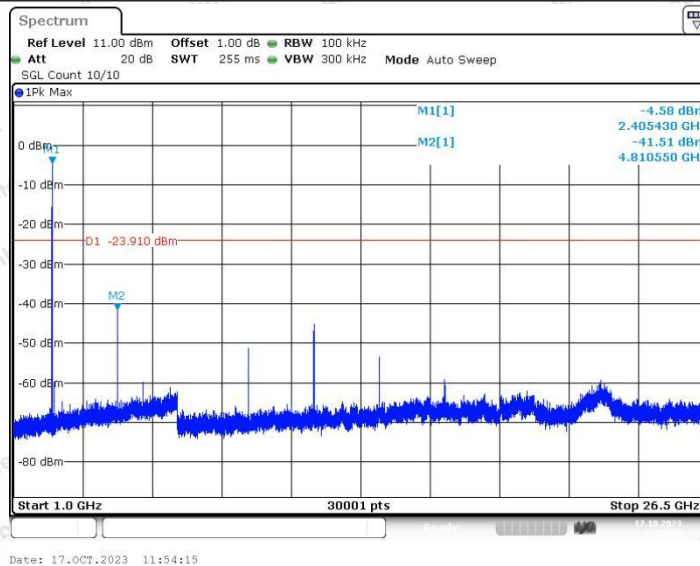
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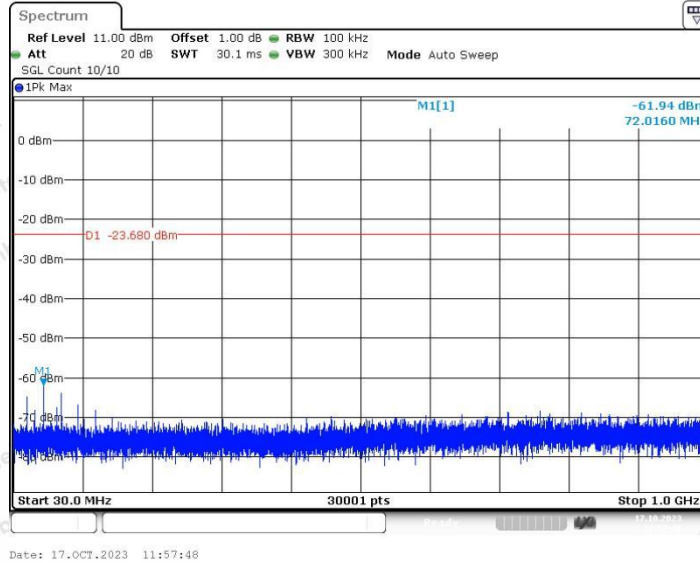


2.4G_Ant1_2440_0~Reference

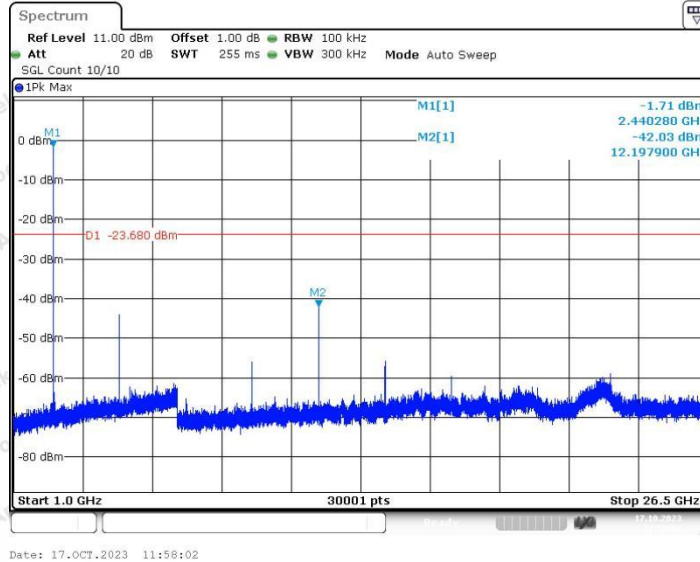


2.4G_Ant1_2440_30~1000





2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2470_0~Reference

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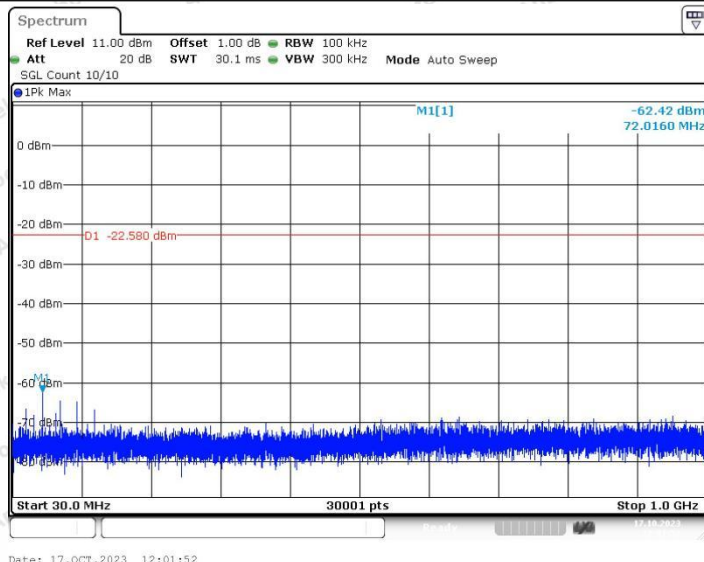


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2.4G_Ant1_2470_30~1000



2.4G_Ant1_2470_1000~26500

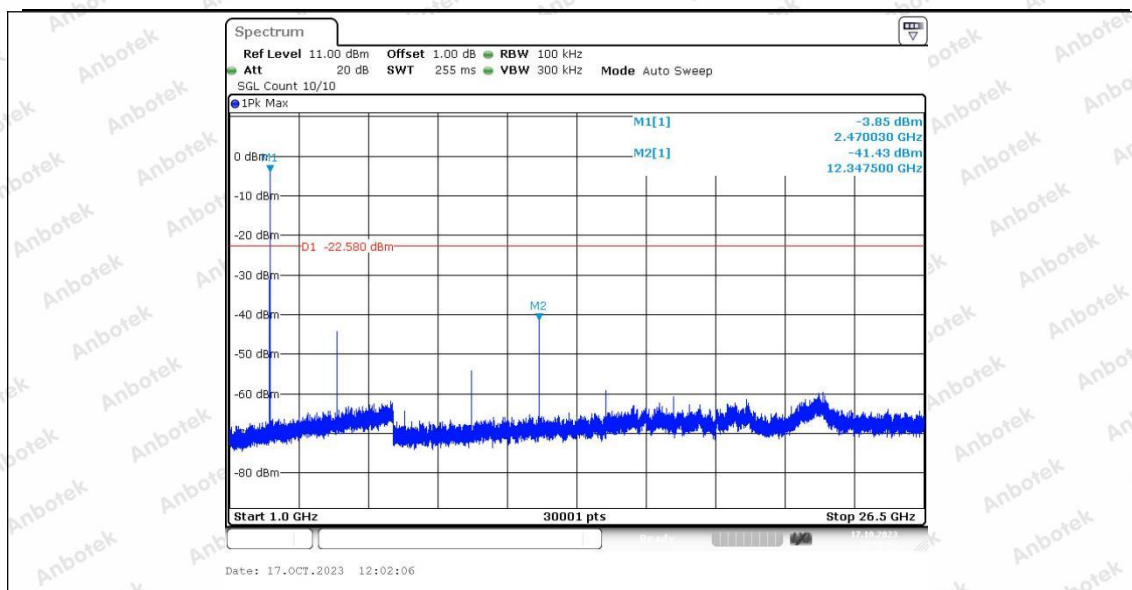
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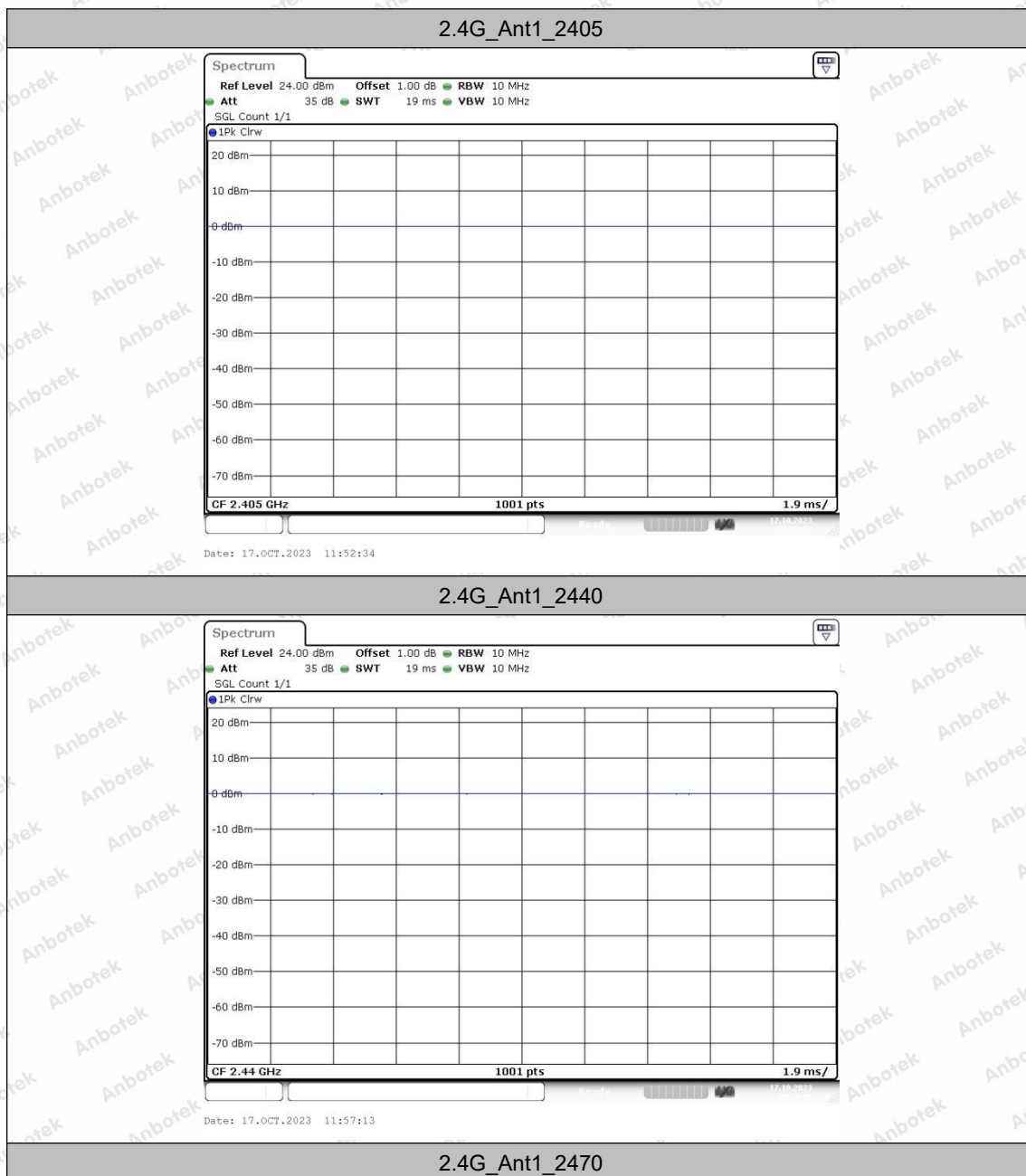
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2470	19.00	19.00	100	0.00



Test Graphs



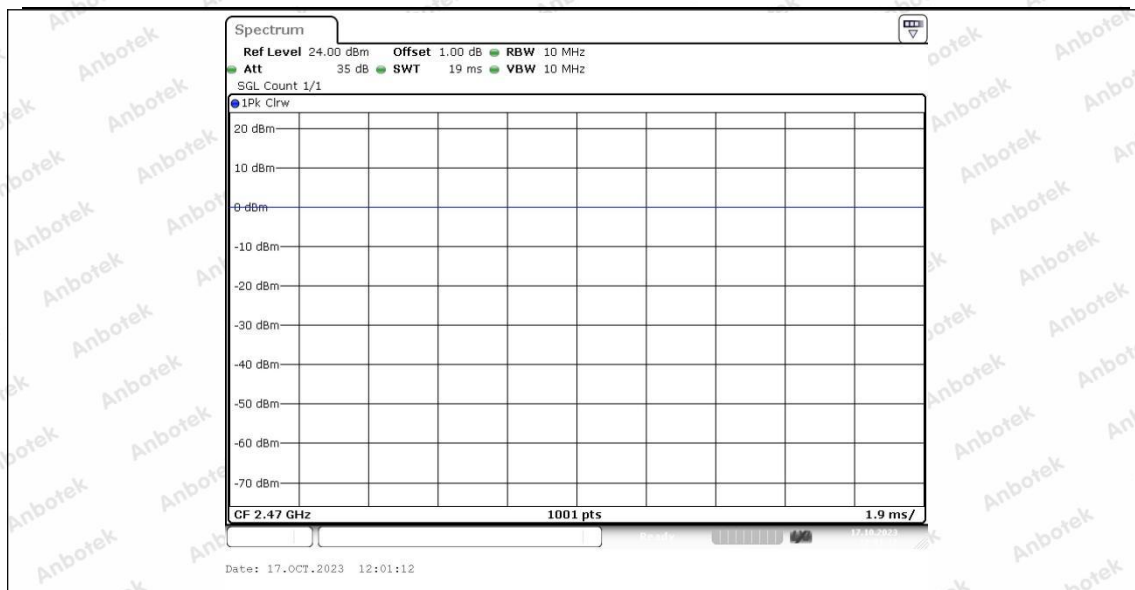
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