

Appendix Test Data

Report No.:	18220WC30211701	Test Sample No.:	1-2-2
Start Test Date:	2023.09.27	Finish Test Date:	2023.10.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	53.4%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

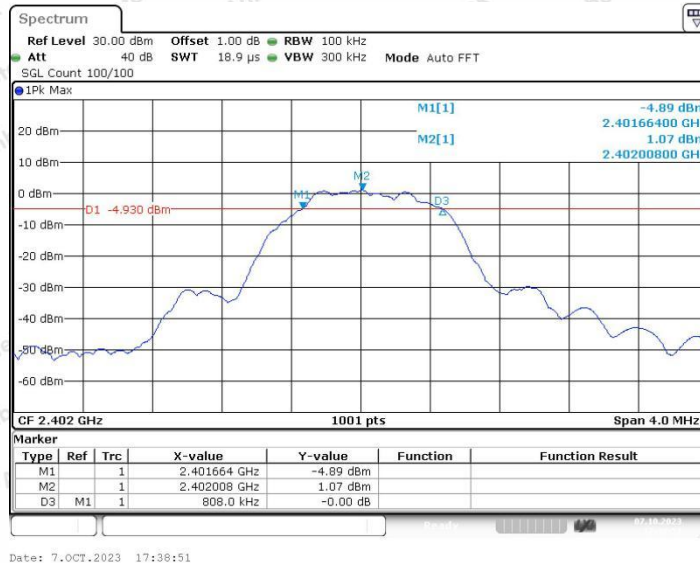
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.81	2401.66	2402.47	0.5	PASS
		2440	0.66	2439.69	2440.35	0.5	PASS
		2480	0.66	2479.69	2480.36	0.5	PASS

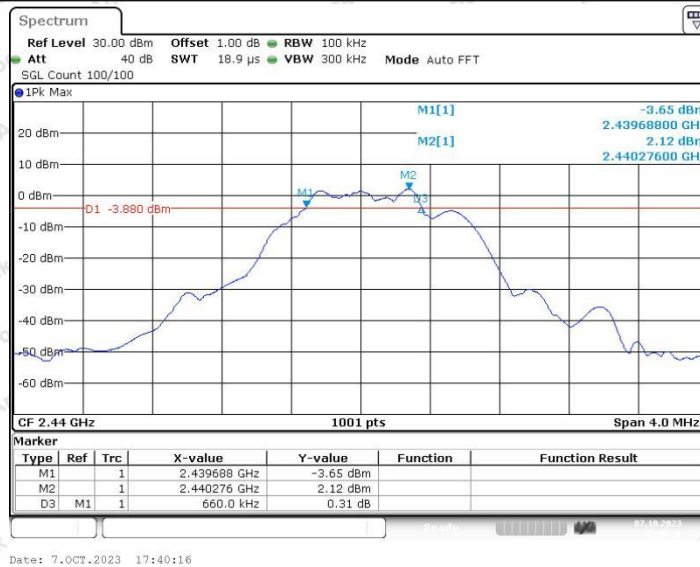


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

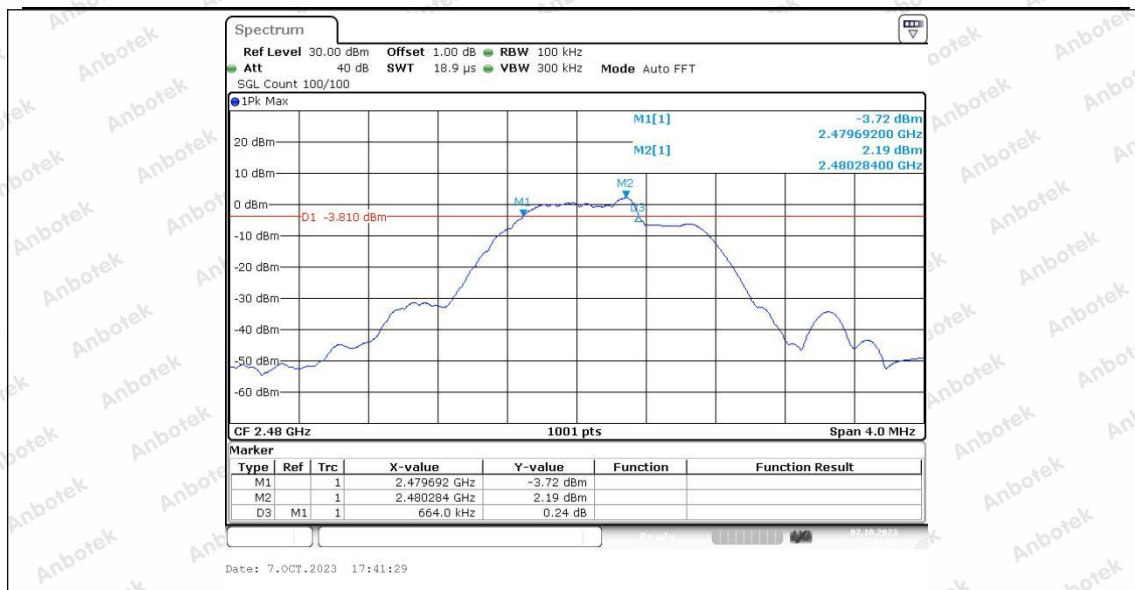
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2402	1.007	2401.5165	2402.5235
		2440	1.107	2439.5125	2440.6194
		2480	1.119	2479.5125	2480.6314



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

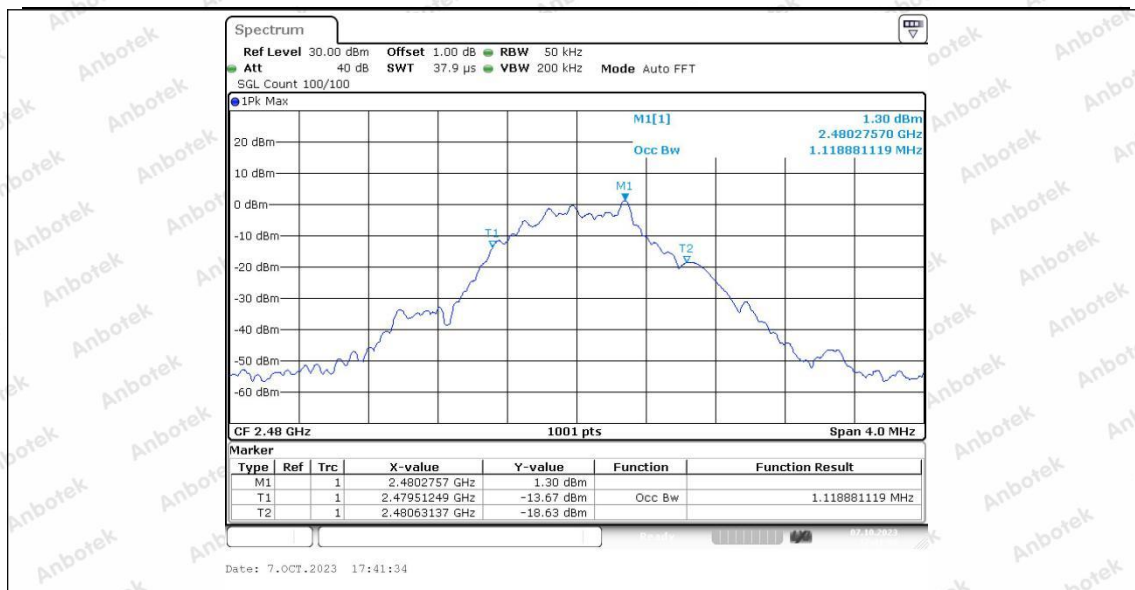
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Appendix C: Maximum conducted output power

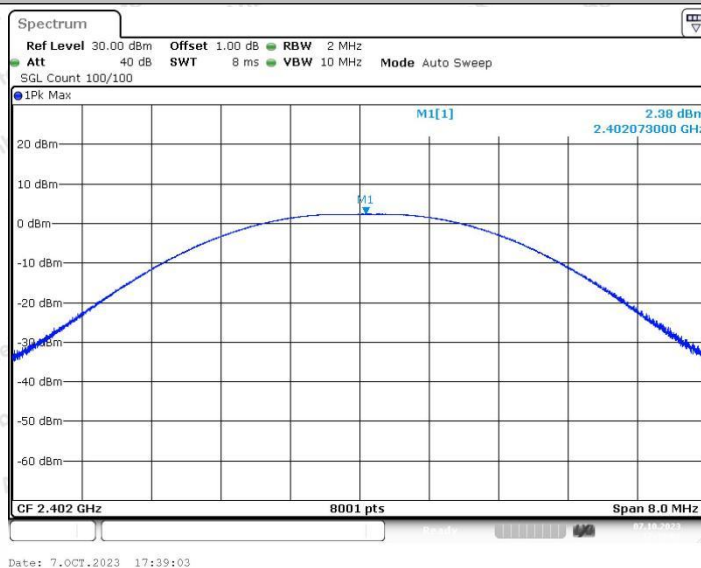
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	2.38	≤30	PASS
		2440	2.43	≤30	PASS
		2480	2.38	≤30	PASS

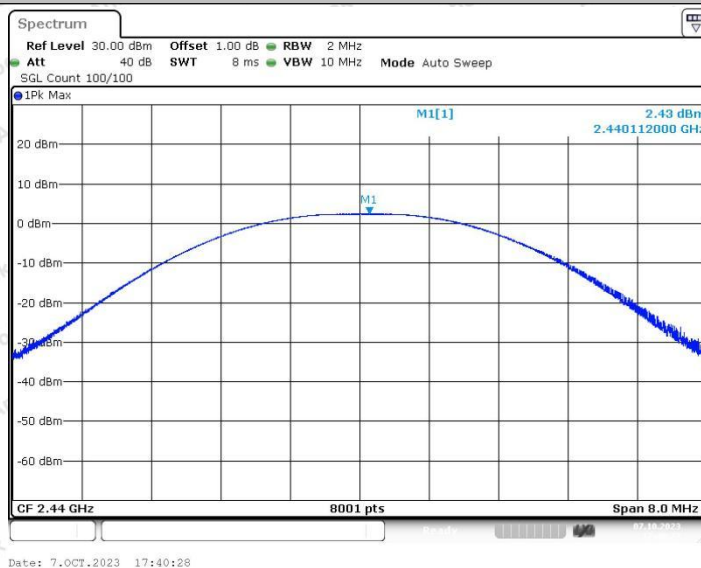


Test Graphs Peak

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

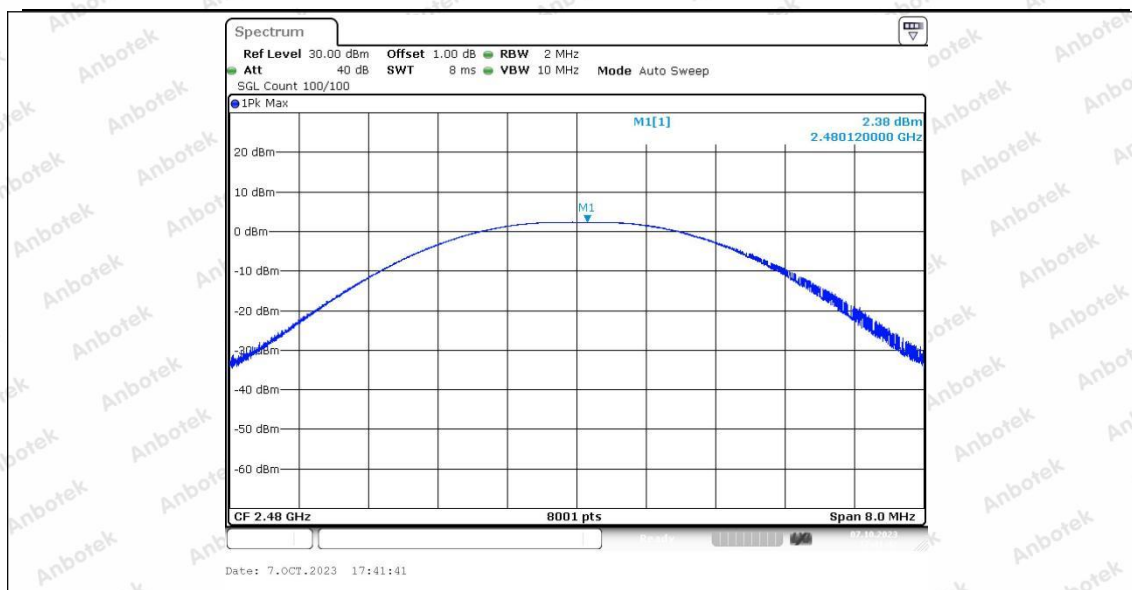
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Appendix D: Maximum power spectral density

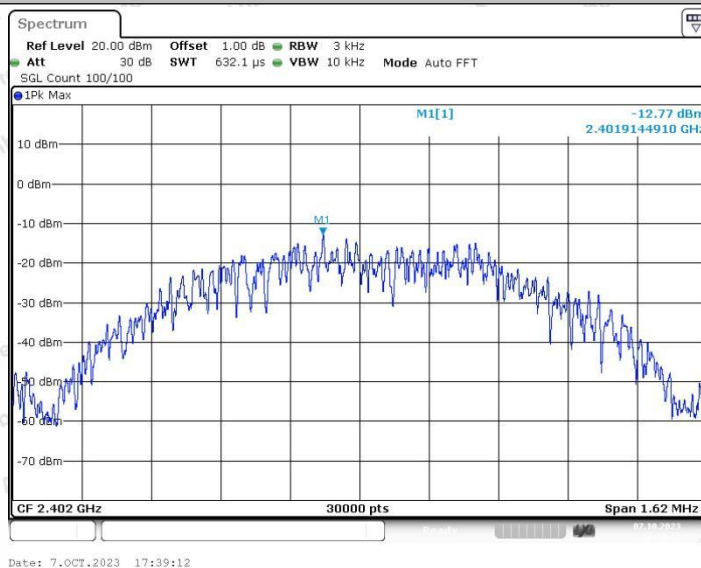
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-12.77	≤8.00	PASS
		2440	-12.71	≤8.00	PASS
		2480	-12.64	≤8.00	PASS

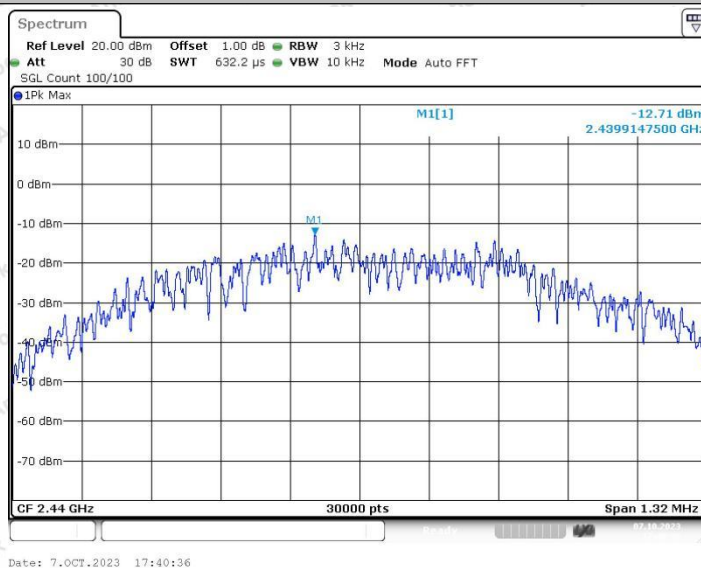


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

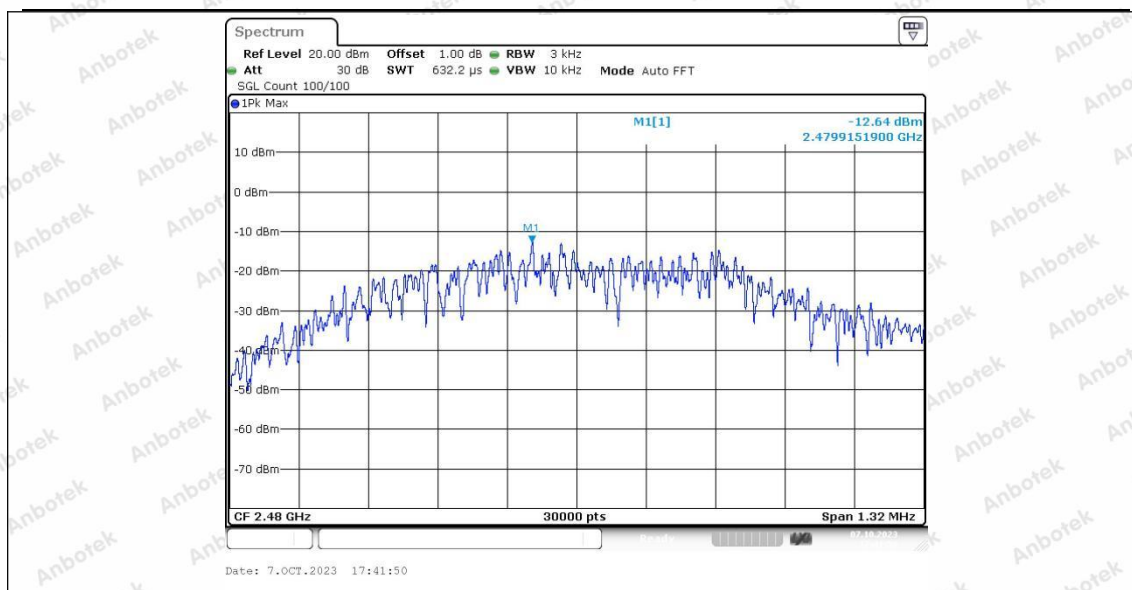
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	2.31	-56.57	≤-17.69	PASS
		High	2480	2.26	-52.36	≤-17.74	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-69.12	≤-19.49	PASS
			1000~26500	0.51	-43.5	≤-19.49	PASS
		2440	Reference	2.19	2.19	---	PASS
			30~1000	2.19	-69.06	≤-17.81	PASS
			1000~26500	2.19	-41.75	≤-17.81	PASS
		2480	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-68.82	≤-19.39	PASS
			1000~26500	0.61	-44.8	≤-19.39	PASS

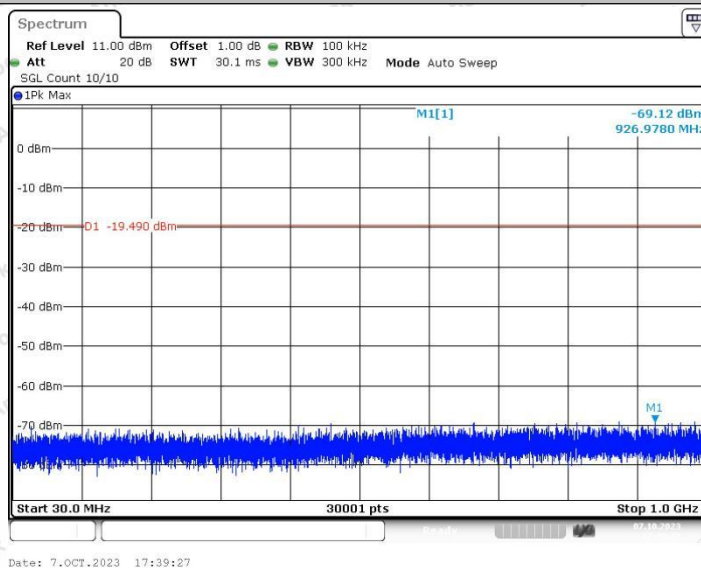


Test Graphs

2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



2.4G_Ant1_2402_1000~26500

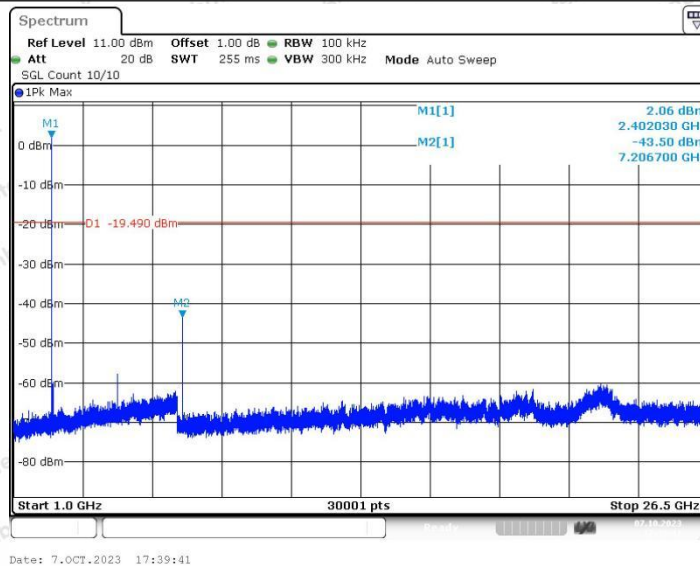
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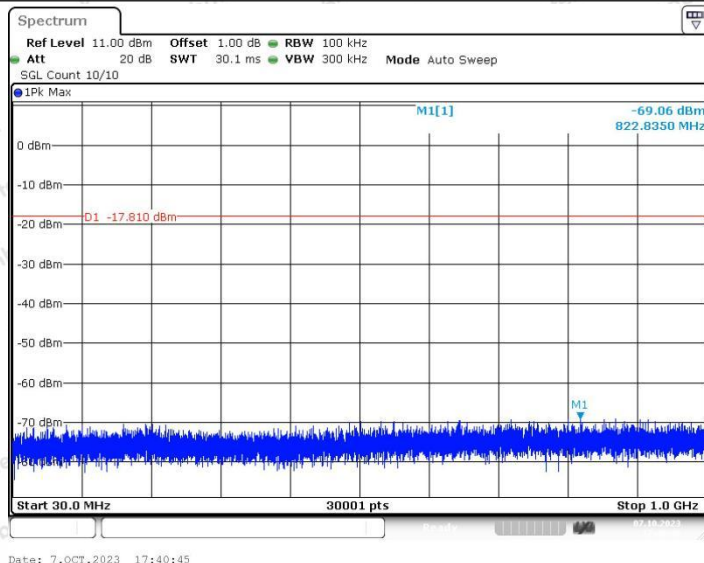


2.4G_Ant1_2440_0~Reference

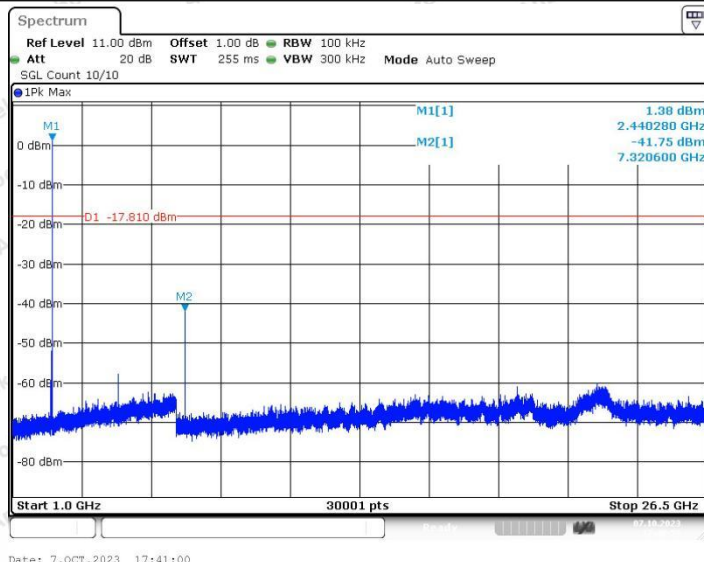


2.4G_Ant1_2440_30~1000





2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2480_0~Reference

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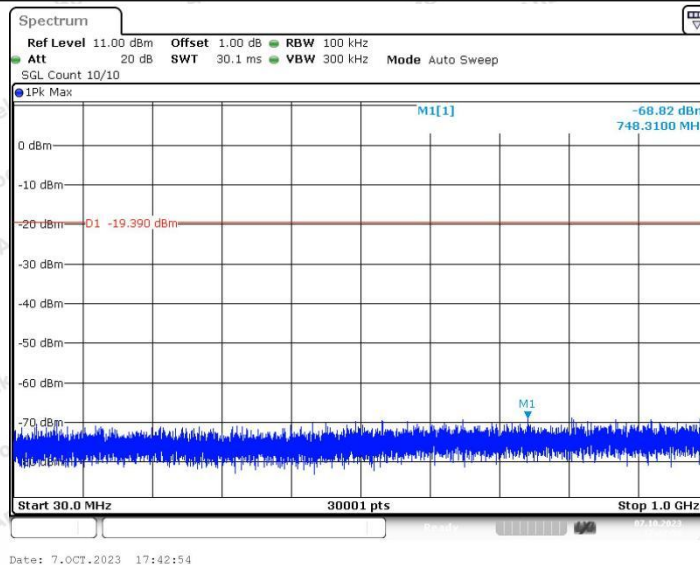


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2.4G_Ant1_2480_30~1000



2.4G_Ant1_2480_1000~26500

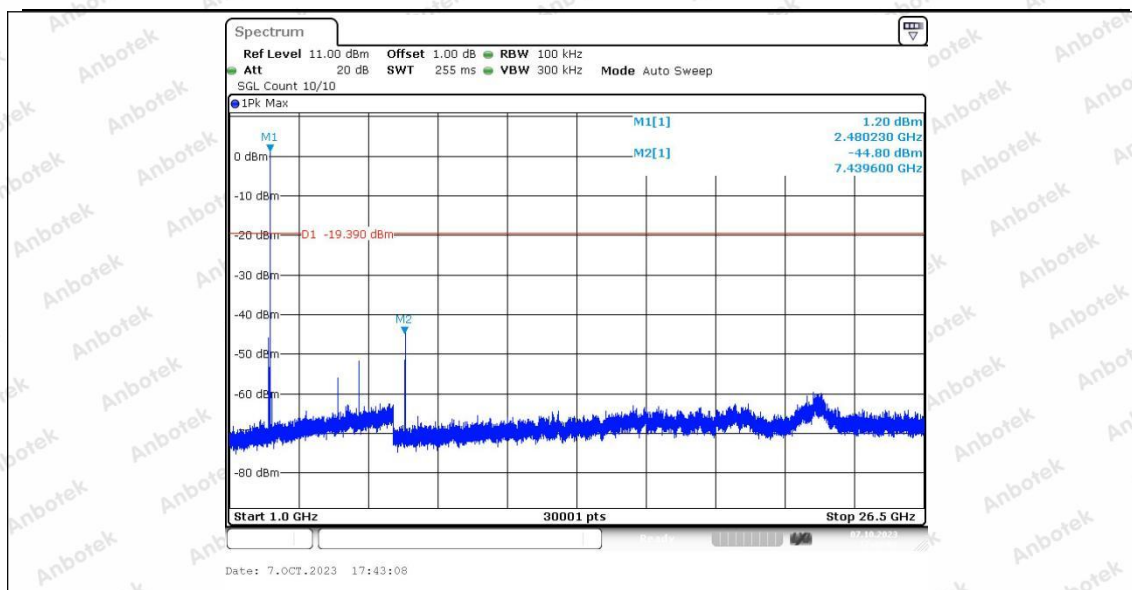
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Appendix G: Duty Cycle

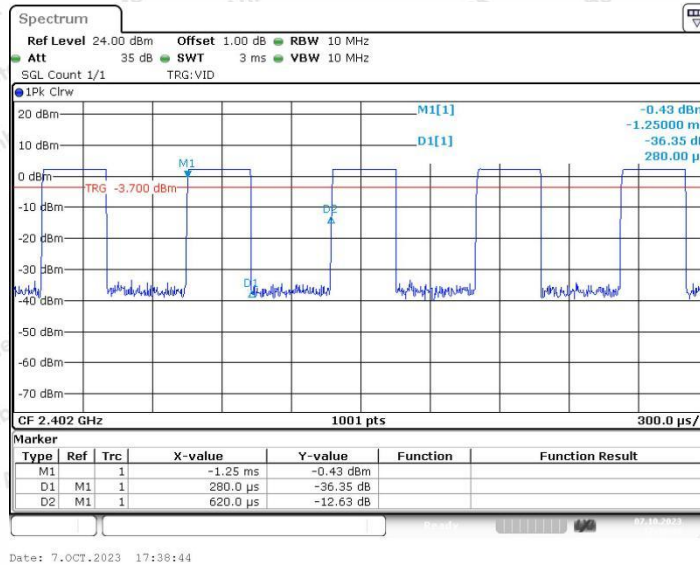
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.28	0.62	45.16	3.45
		2440	0.28	0.62	45.16	3.45
		2480	0.28	0.62	45.16	3.45

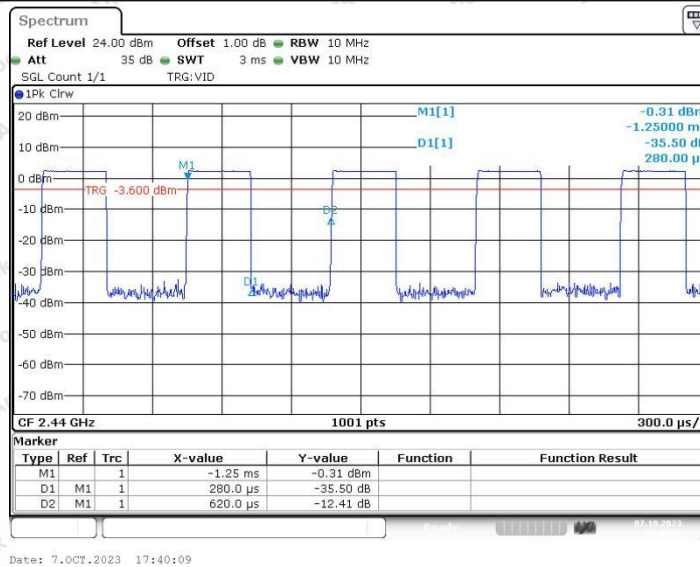


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

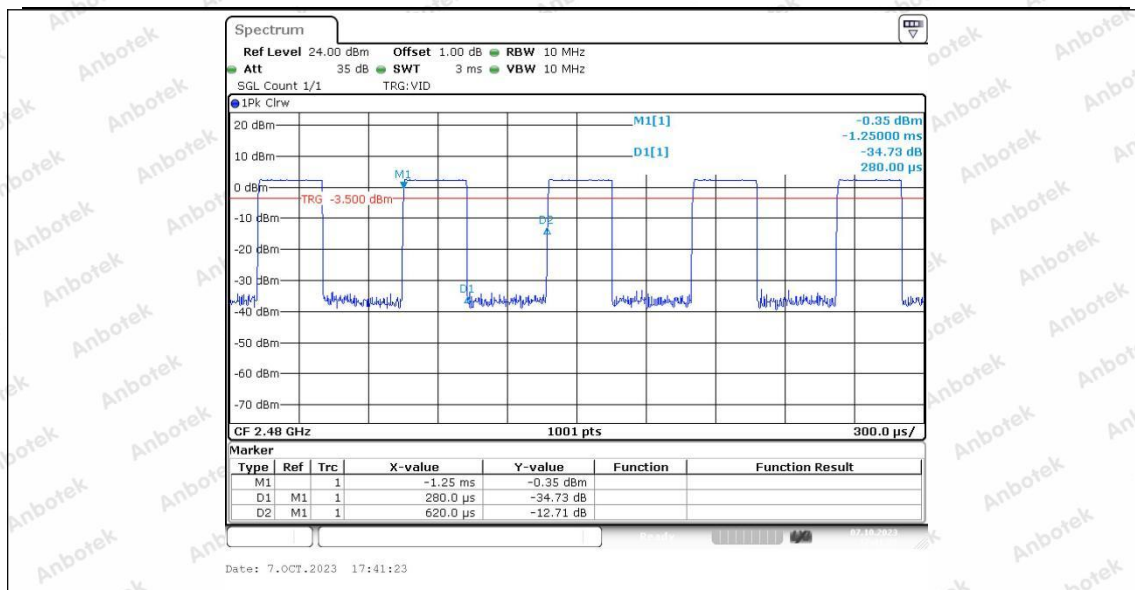
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