

Appendix Test Data

Report No.:	18220WC30219401	Test Sample No.:	1-2-2
Start Test Date:	2023.10.17	Finish Test Date:	2023.10.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.2°C	Relative Humidity:	48.5%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

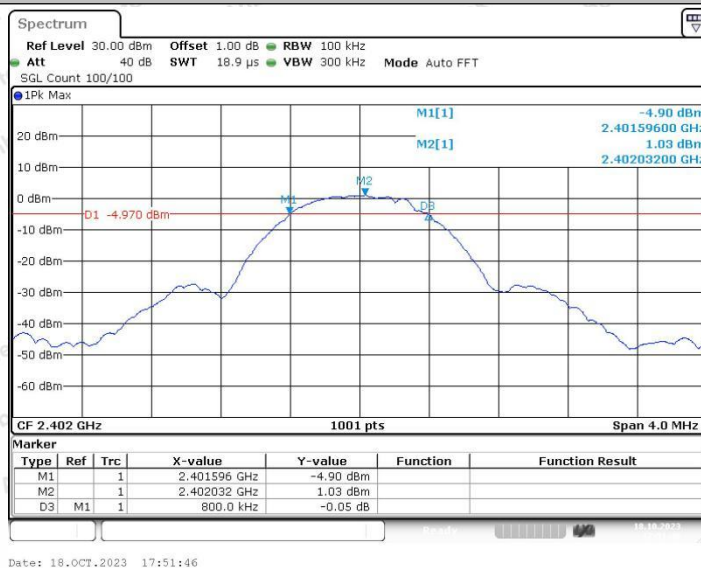
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.80	2401.60	2402.40	0.5	PASS
		2440	0.75	2439.61	2440.36	0.5	PASS
		2480	0.76	2479.61	2480.37	0.5	PASS

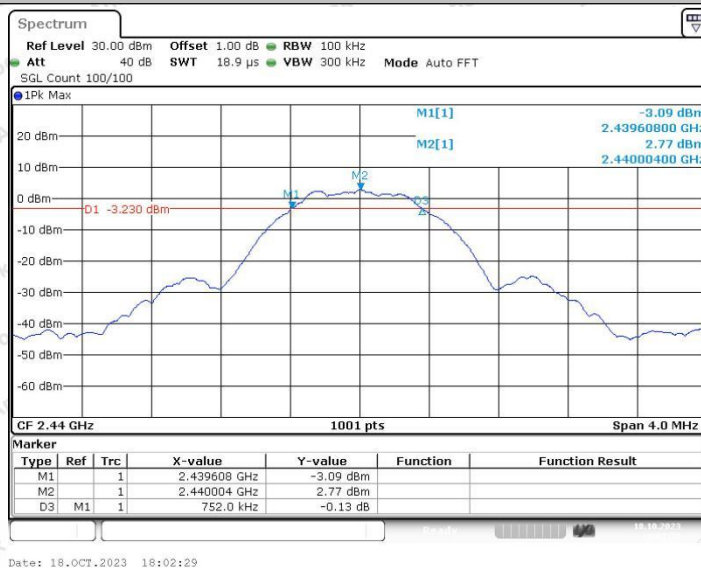


Test Graphs

BLE_1M_Ant1_2402

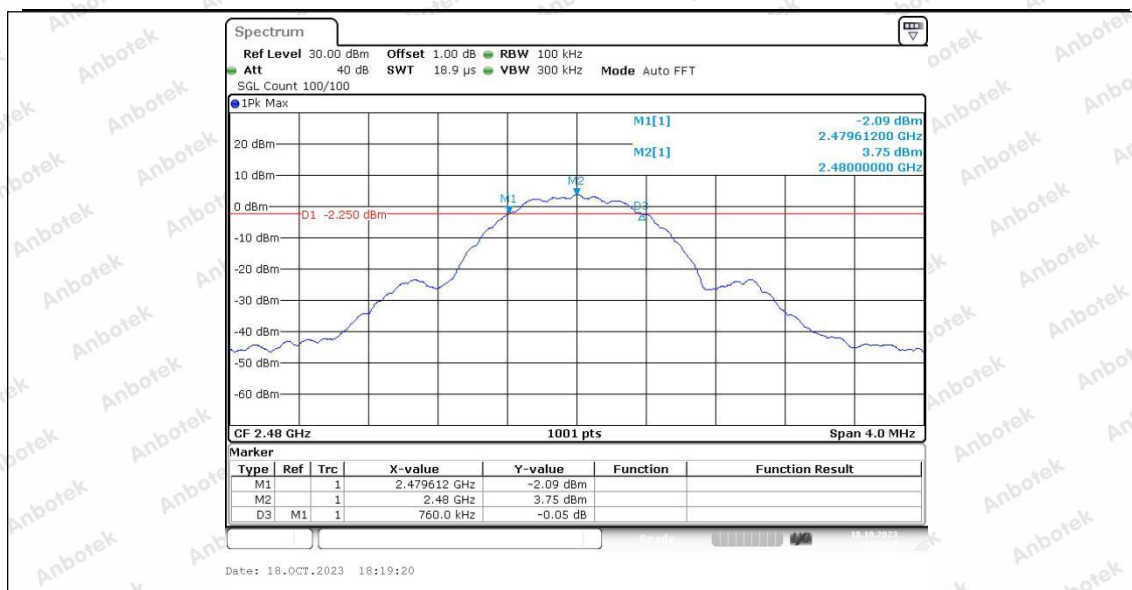


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

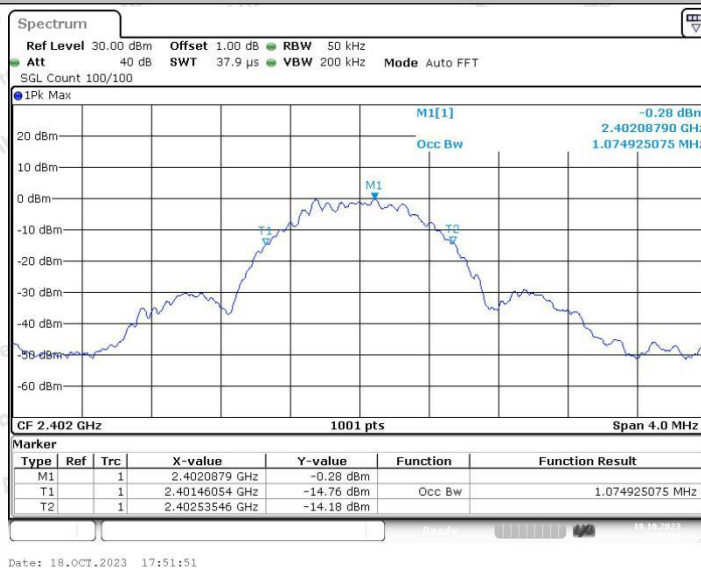
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.075	2401.4605	2402.5355
		2440	1.099	2439.4486	2440.5475
		2480	1.099	2479.4446	2480.5435

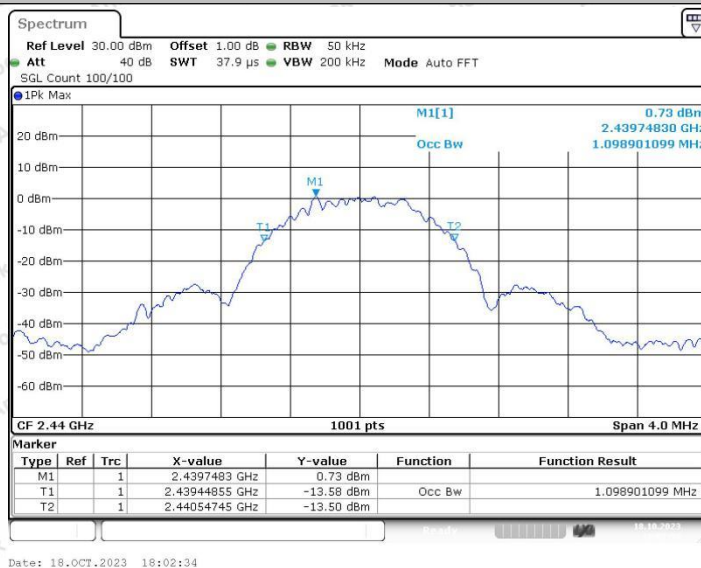


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

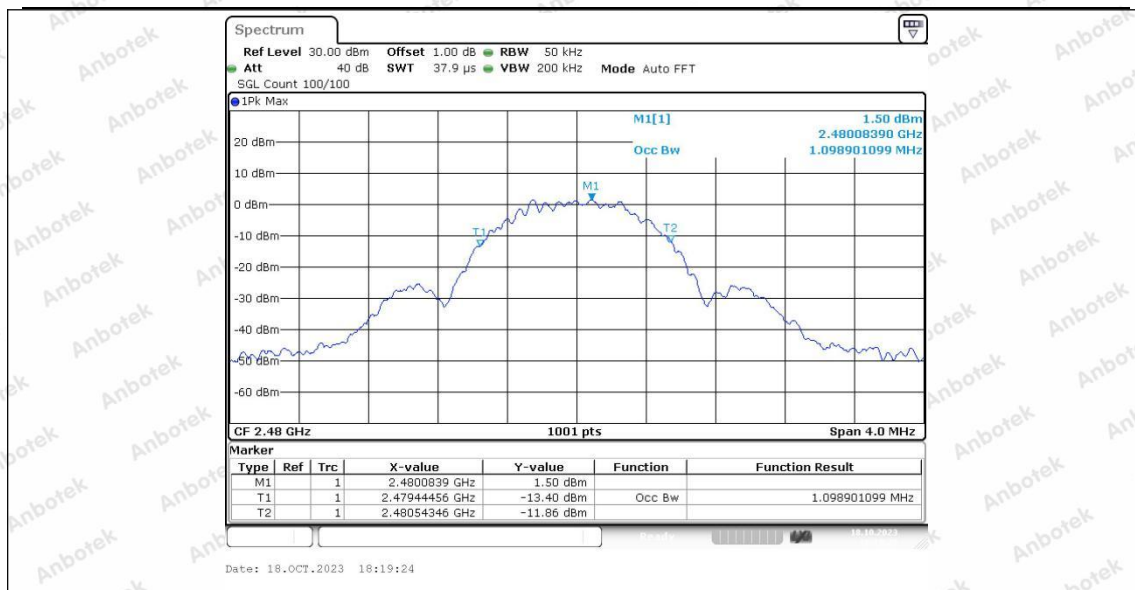
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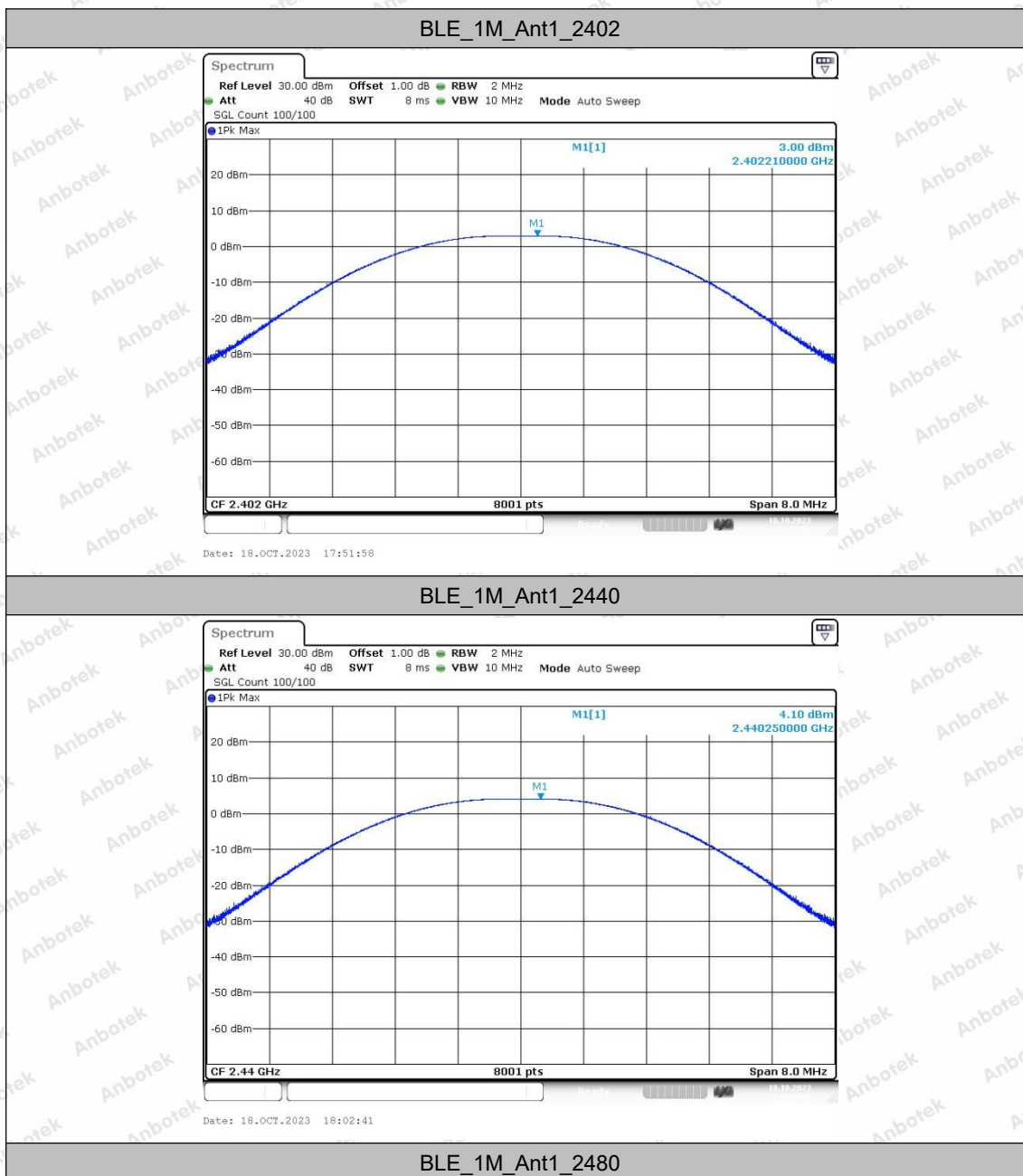
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.00	≤30	PASS
		2440	4.10	≤30	PASS
		2480	5.11	≤30	PASS



Test Graphs Peak



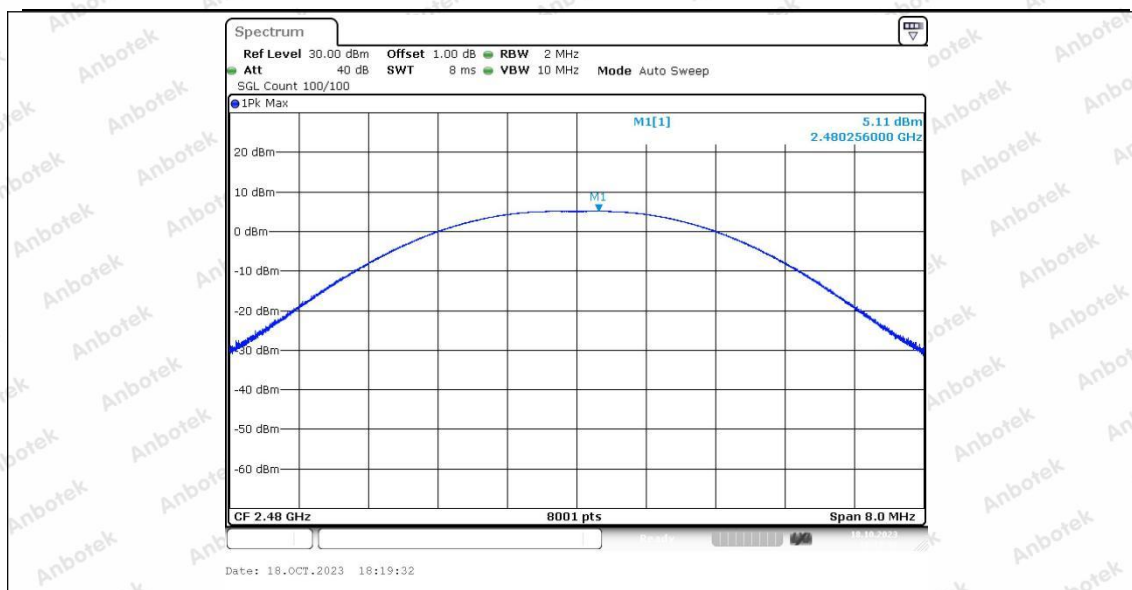
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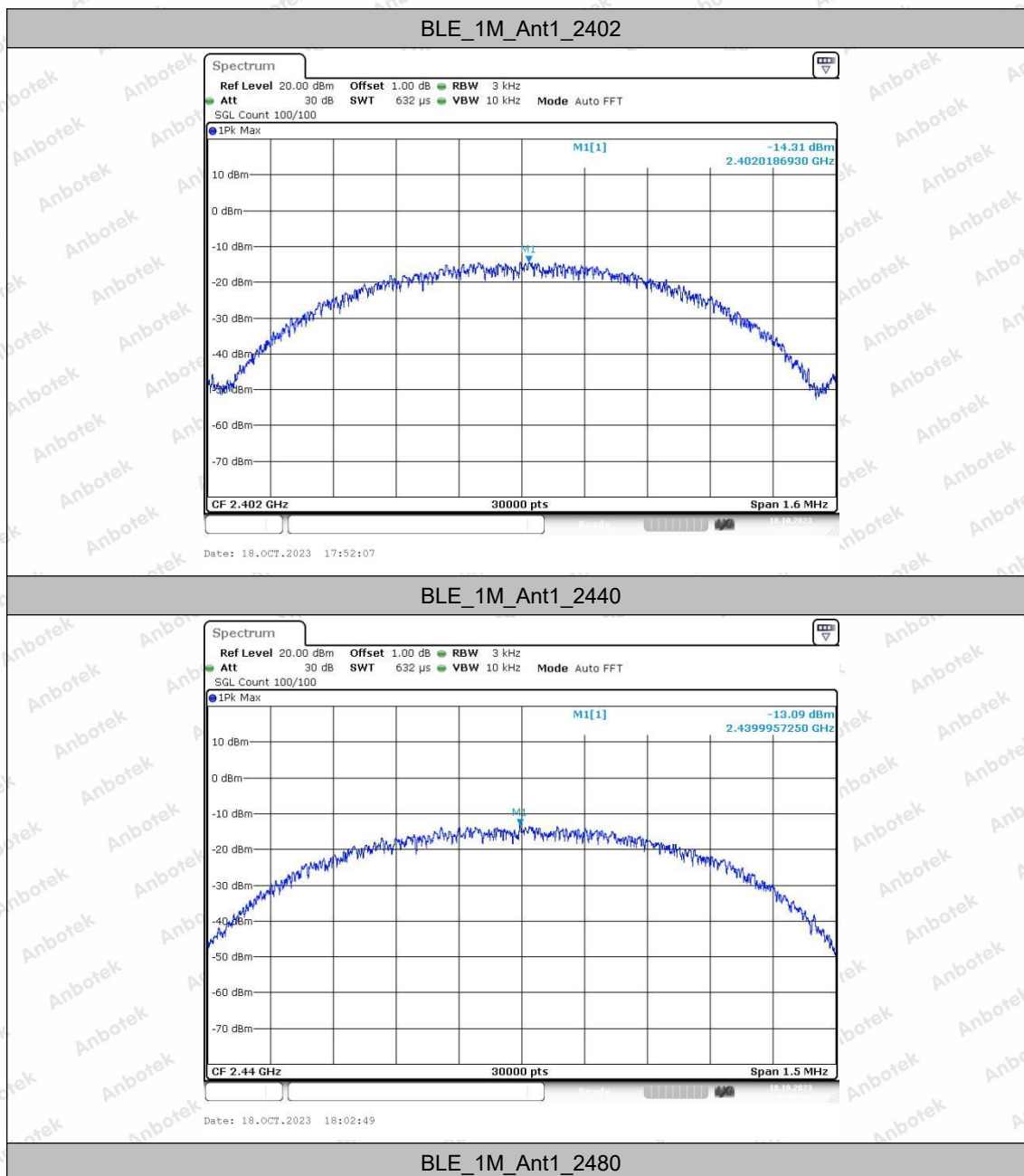
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.31	≤8.00	PASS
		2440	-13.09	≤8.00	PASS
		2480	-12.25	≤8.00	PASS



Test Graphs



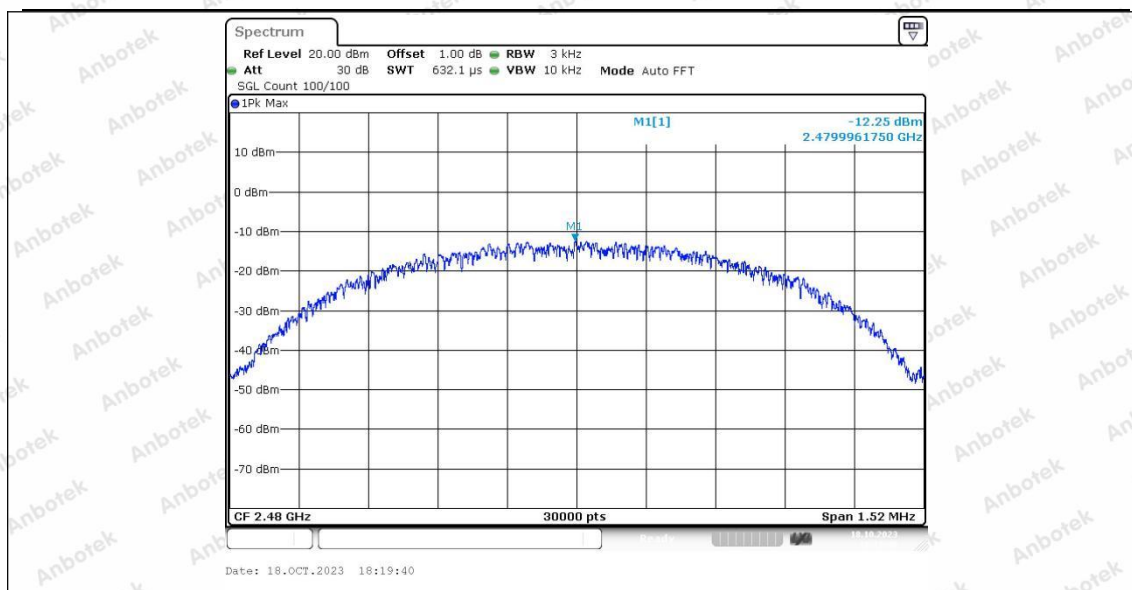
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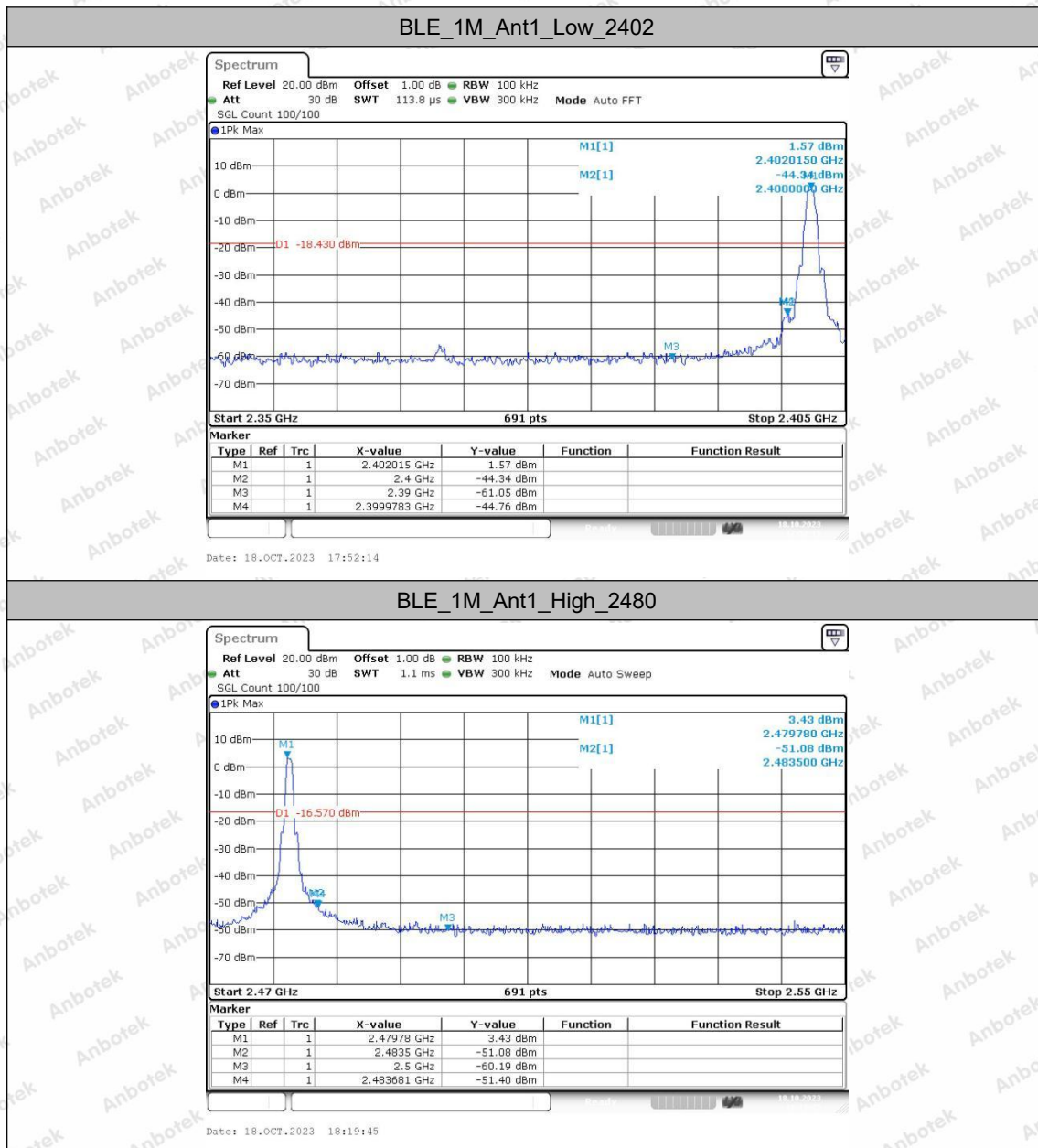
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.57	-44.76	≤-18.43	PASS
		High	2480	3.43	-51.4	≤-16.57	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-69.13	≤-18.93	PASS
			1000~26500	1.07	-60.09	≤-18.93	PASS
		2440	Reference	2.87	2.87	---	PASS
			30~1000	2.87	-68.19	≤-17.13	PASS
			1000~26500	2.87	-57.8	≤-17.13	PASS
		2480	Reference	1.66	1.66	---	PASS
			30~1000	1.66	-68.8	≤-18.34	PASS
			1000~26500	1.66	-56.77	≤-18.34	PASS

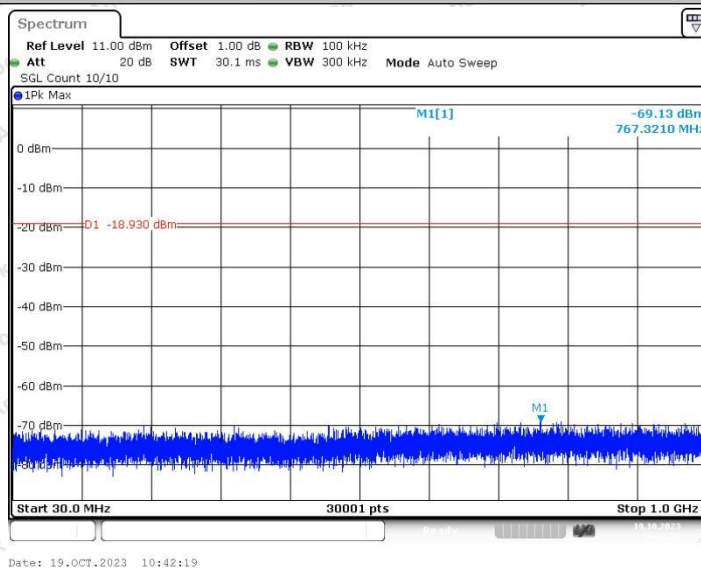


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

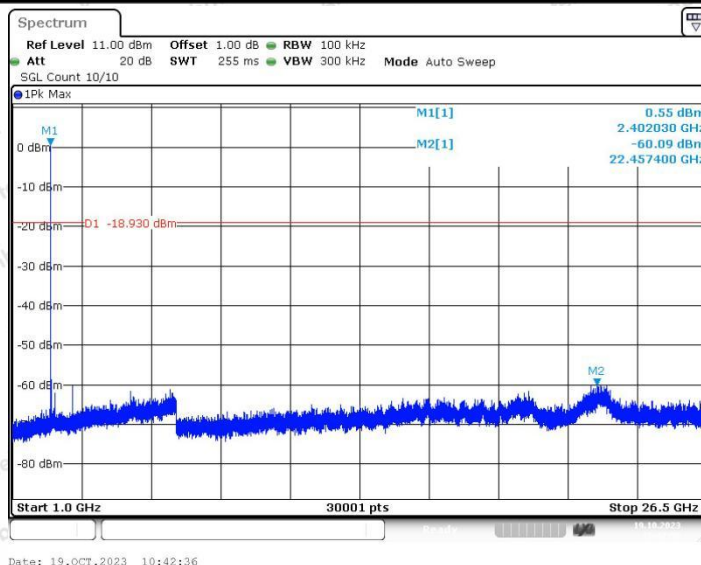
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

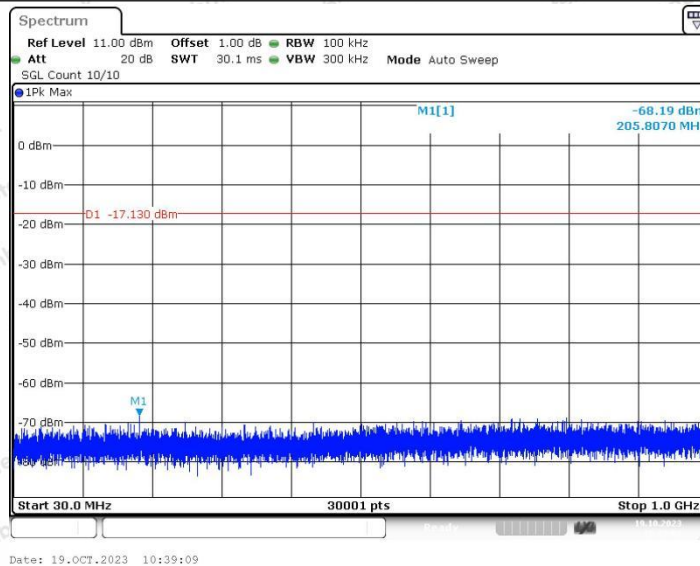
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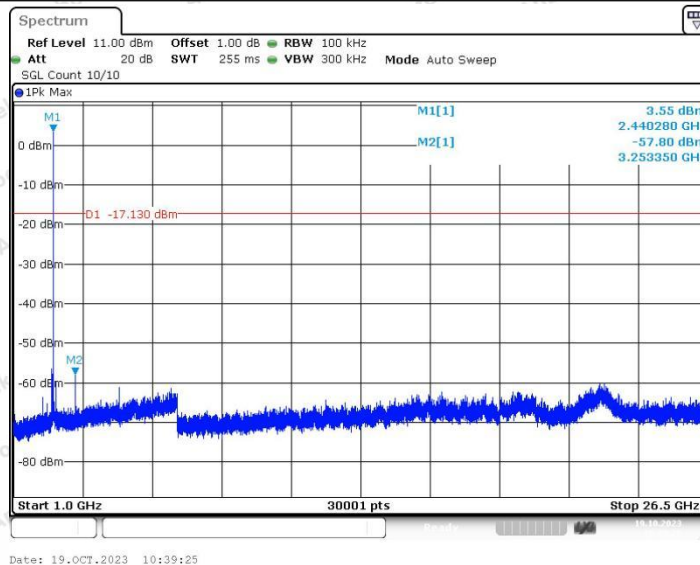


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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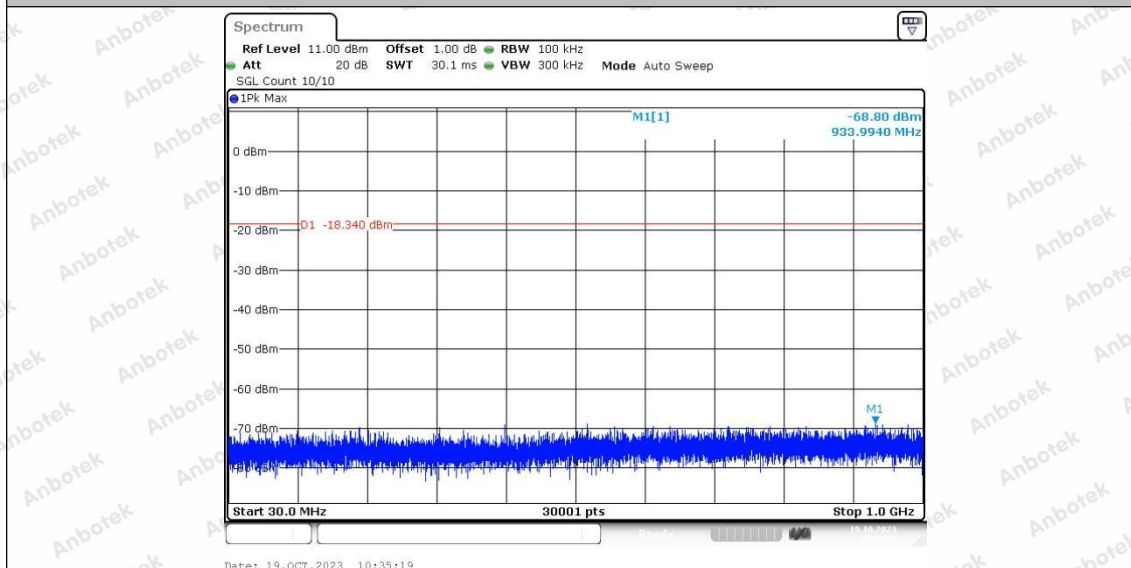


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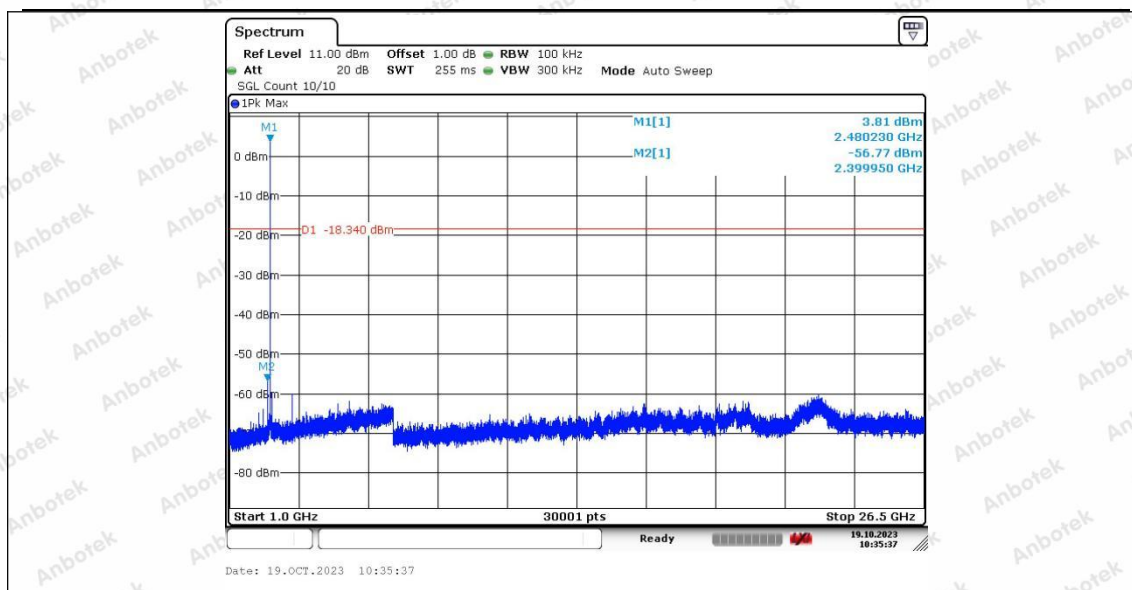


BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



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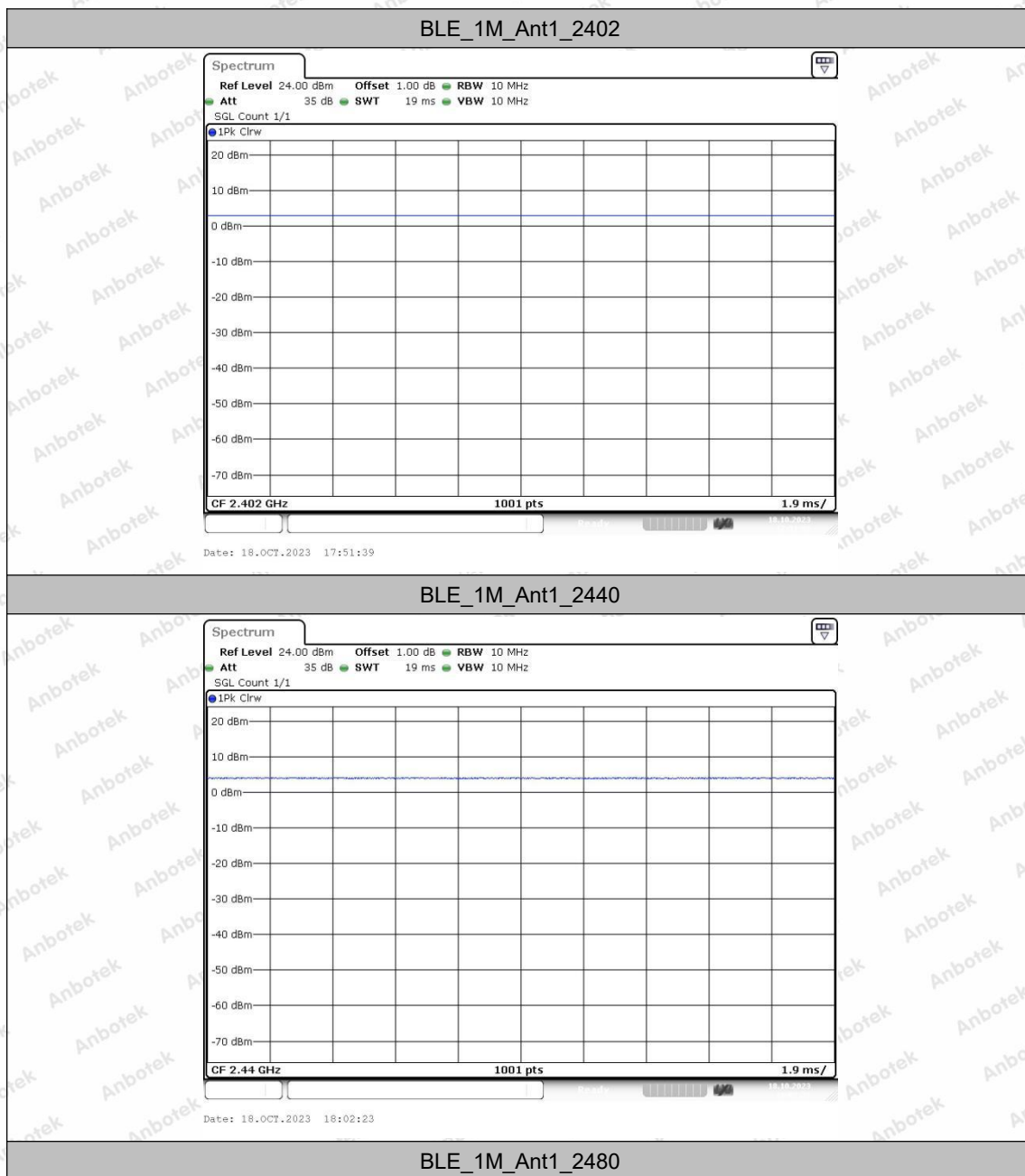
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



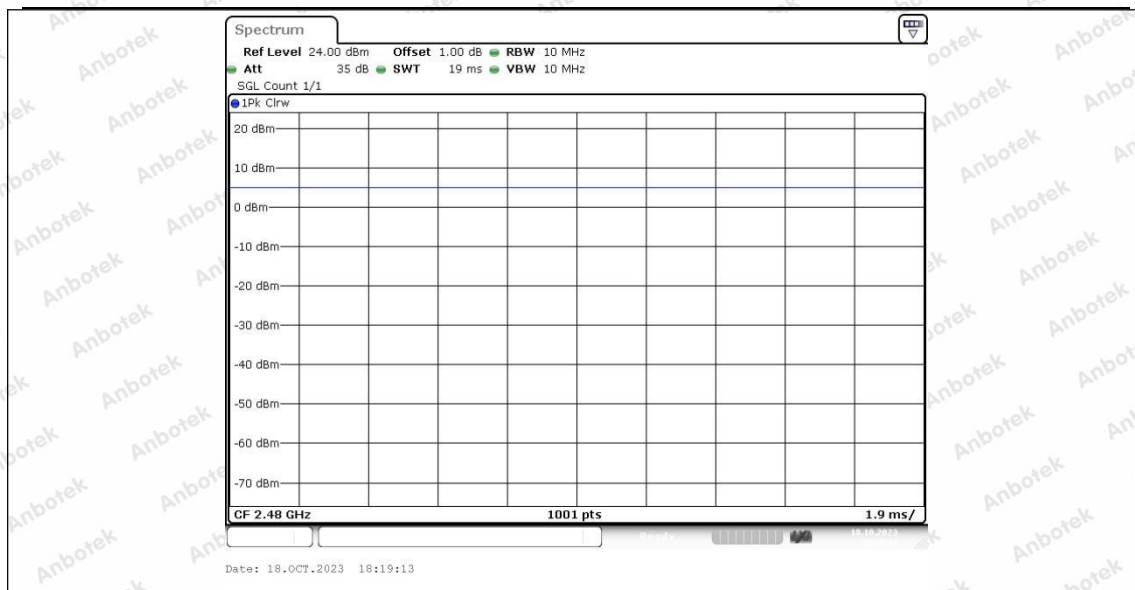
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