

Appendix Test Data

Report No.:	18220WC30226201	Test Sample No.:	1-2-2
Start Test Date:	2023.10.25	Finish Test Date:	2023.10.28
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.5°C	Relative Humidity:	49%
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	0.76	2401.61	2402.37	0.5	PASS
		2440	0.70	2439.65	2440.36	0.5	PASS
		2480	0.75	2479.62	2480.36	0.5	PASS

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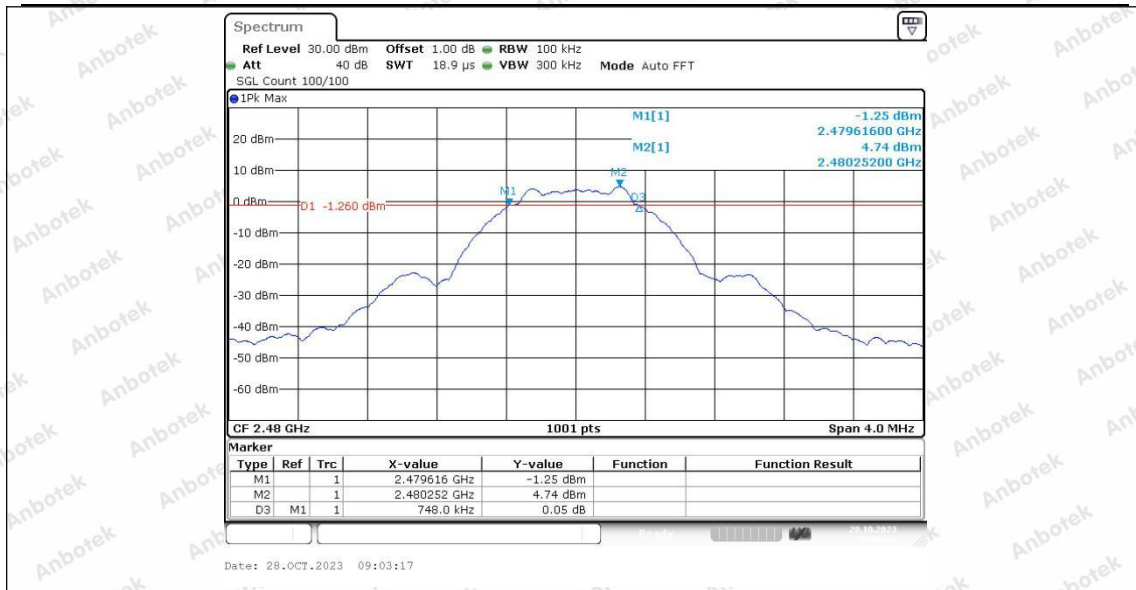


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Test Graphs





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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	1.071	2401.4645	2402.5355
		2440	1.075	2439.4645	2440.5395
		2480	1.099	2479.4486	2480.5475

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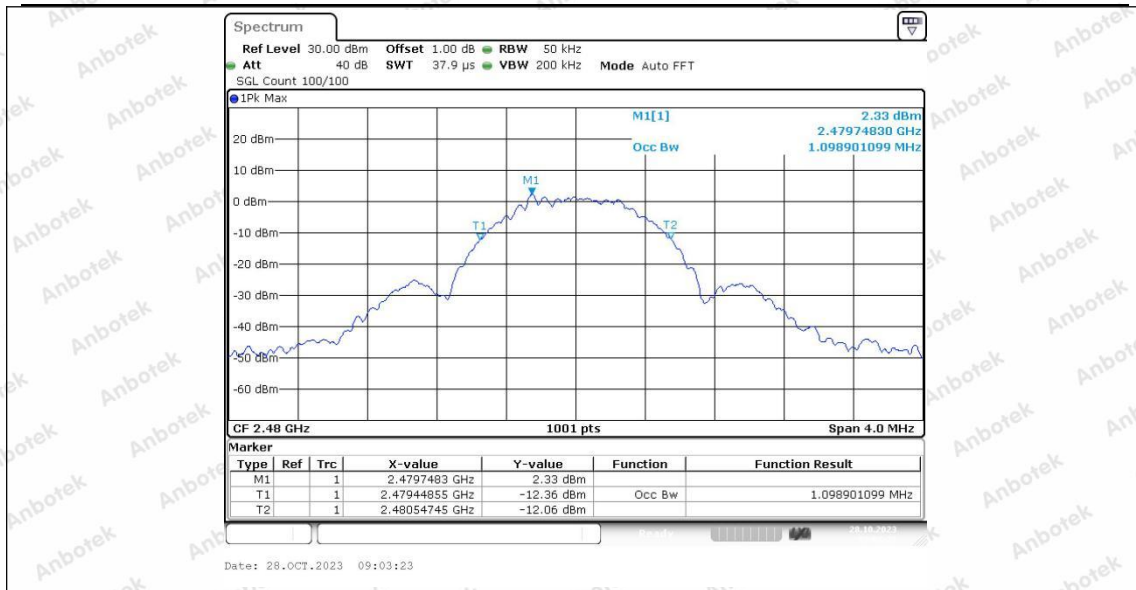


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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.25	≤30	PASS
		2440	4.52	≤30	PASS
		2480	5.58	≤30	PASS

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Test Graphs Peak



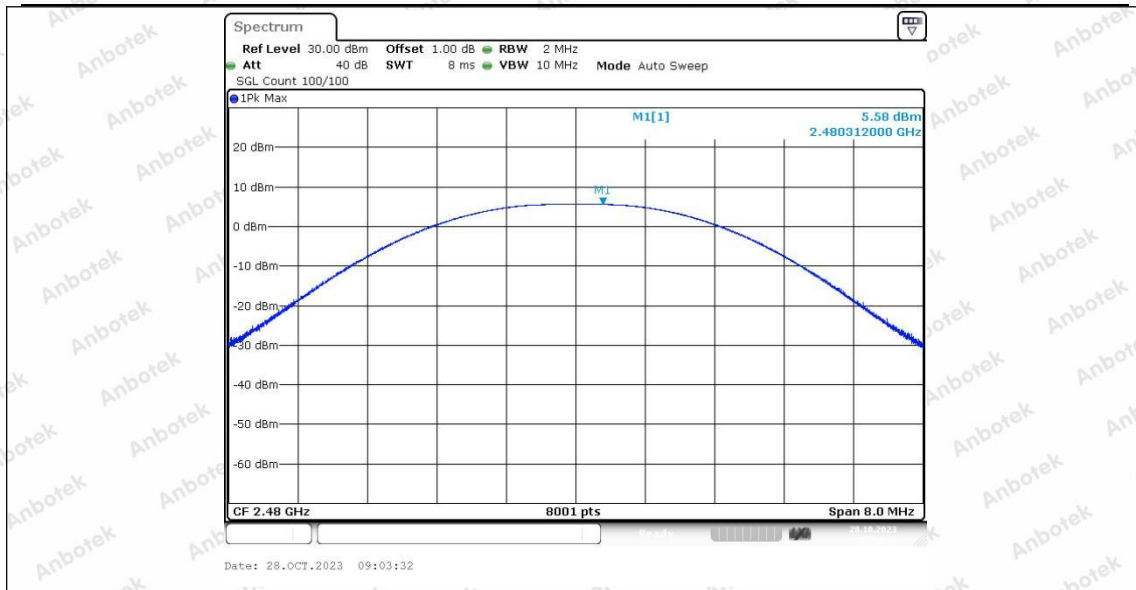
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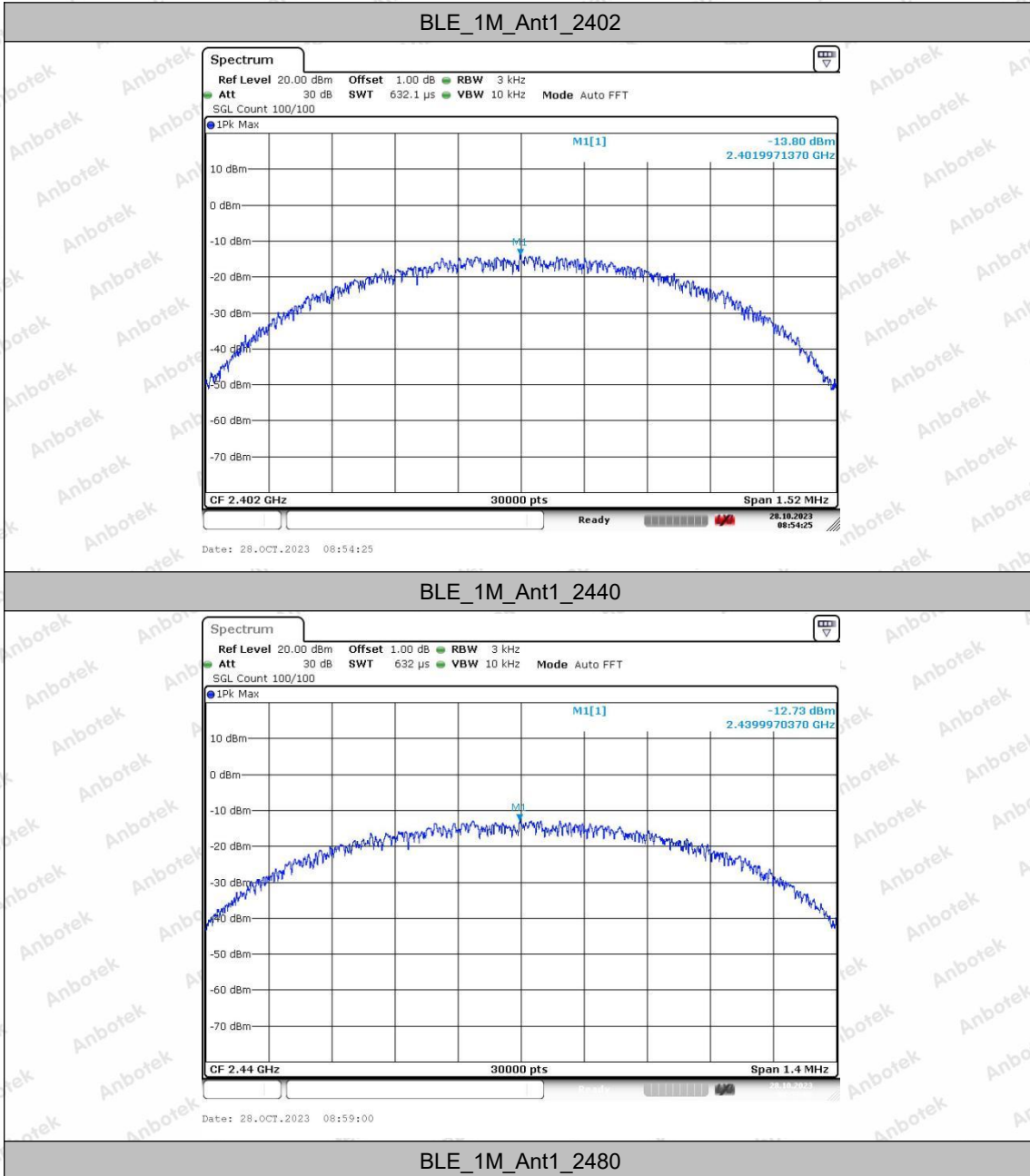
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.8	≤8.00	PASS
		2440	-12.73	≤8.00	PASS
		2480	-11.77	≤8.00	PASS



Test Graphs

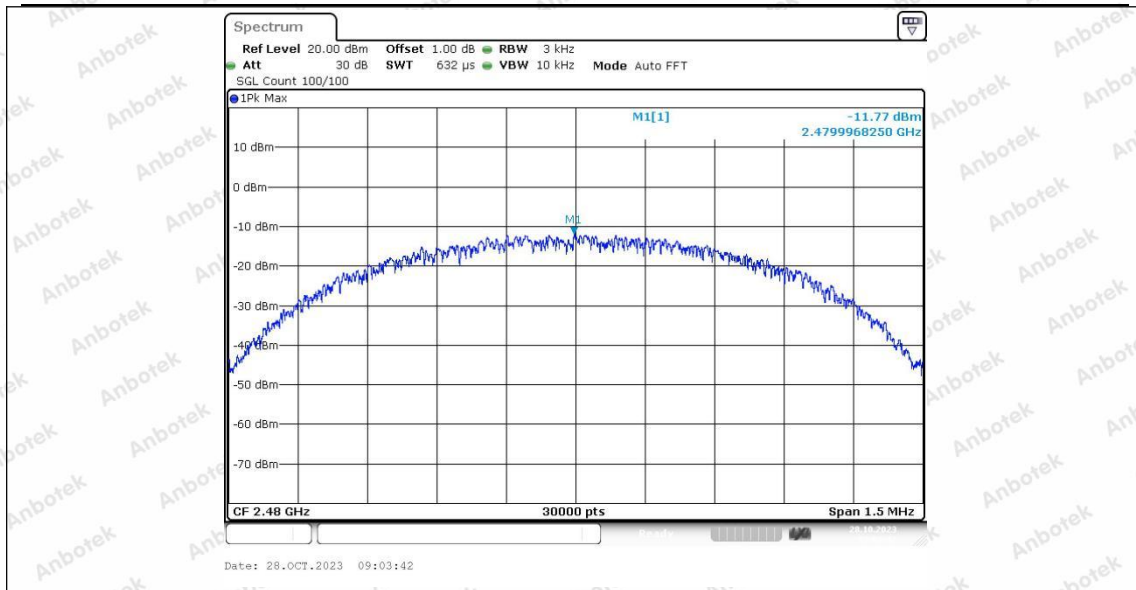


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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.76	-44.25	≤-18.24	PASS
		High	2480	4.73	-51.92	≤-15.27	PASS

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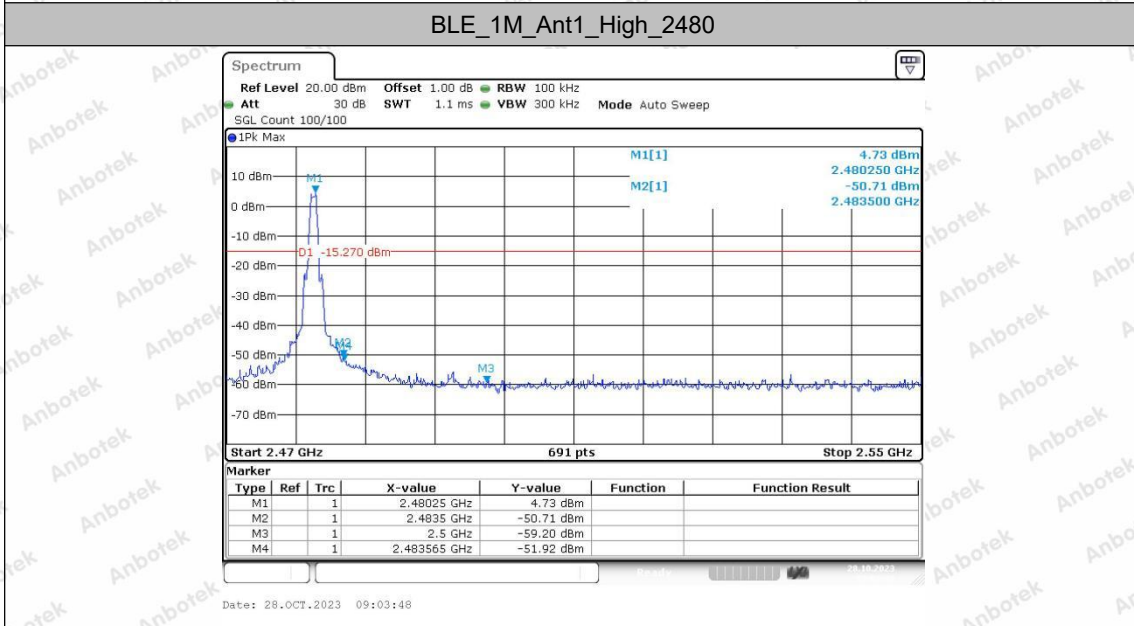
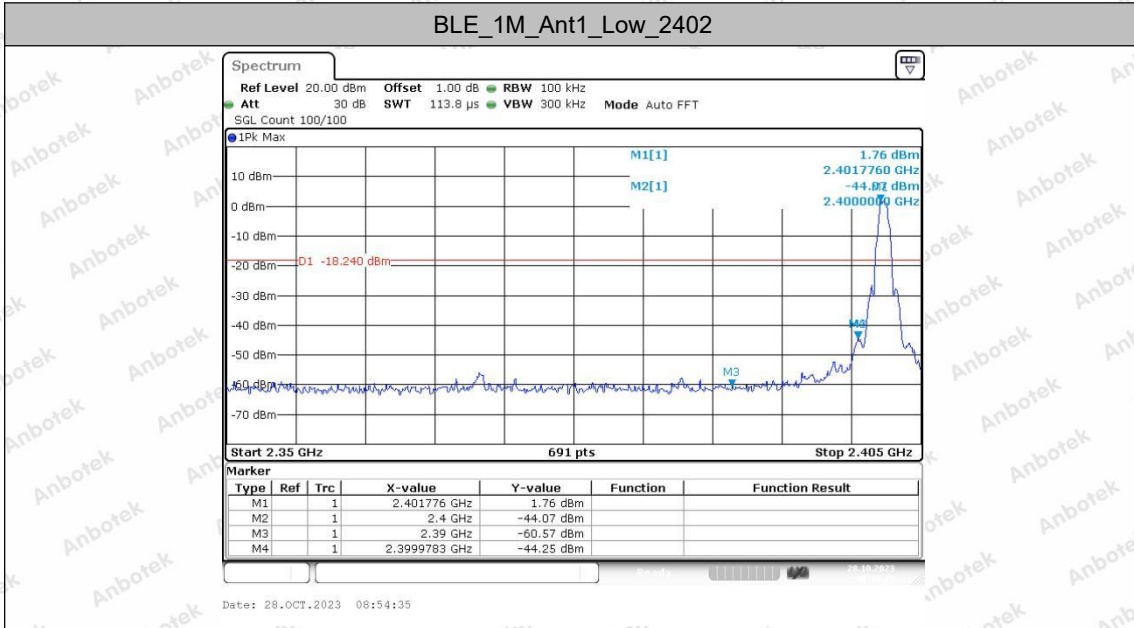
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-67.41	≤-17.57	PASS
			1000~26500	2.43	-21.15	≤-17.57	PASS
		2440	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-67.65	≤-17.45	PASS
			1000~26500	2.55	-18.91	≤-17.45	PASS
		2480	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-67.07	≤-17.11	PASS
			1000~26500	2.89	-21.27	≤-17.11	PASS

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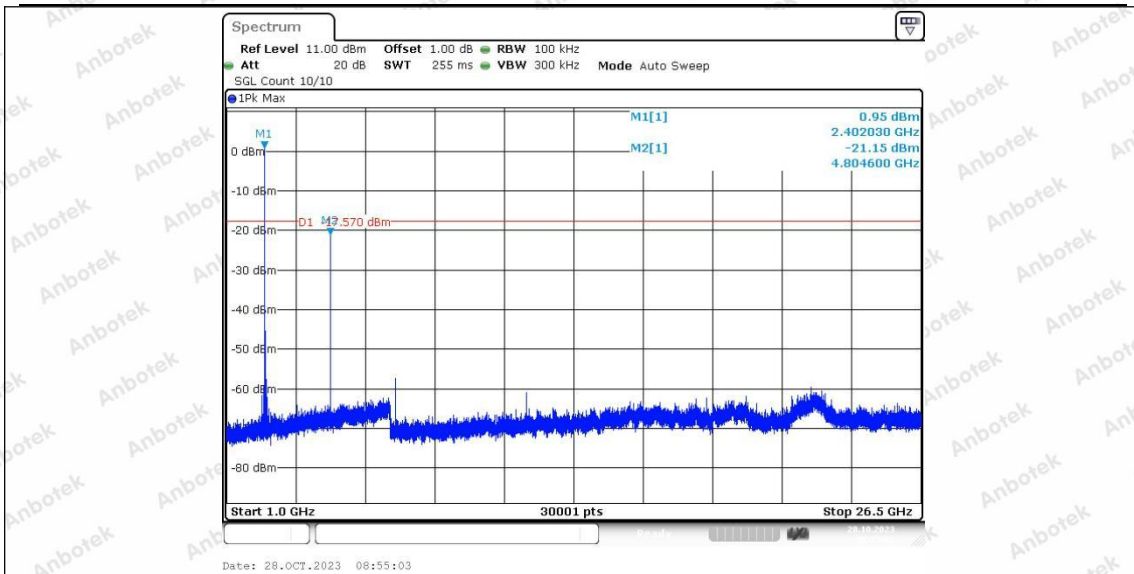


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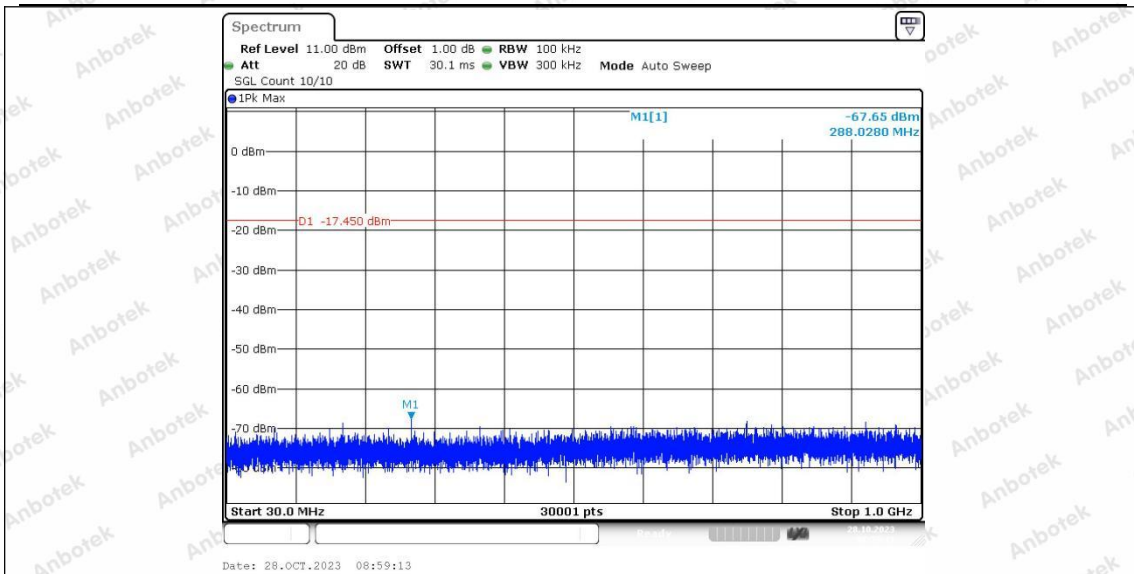


BLE_1M_Ant1_2440_0~Reference

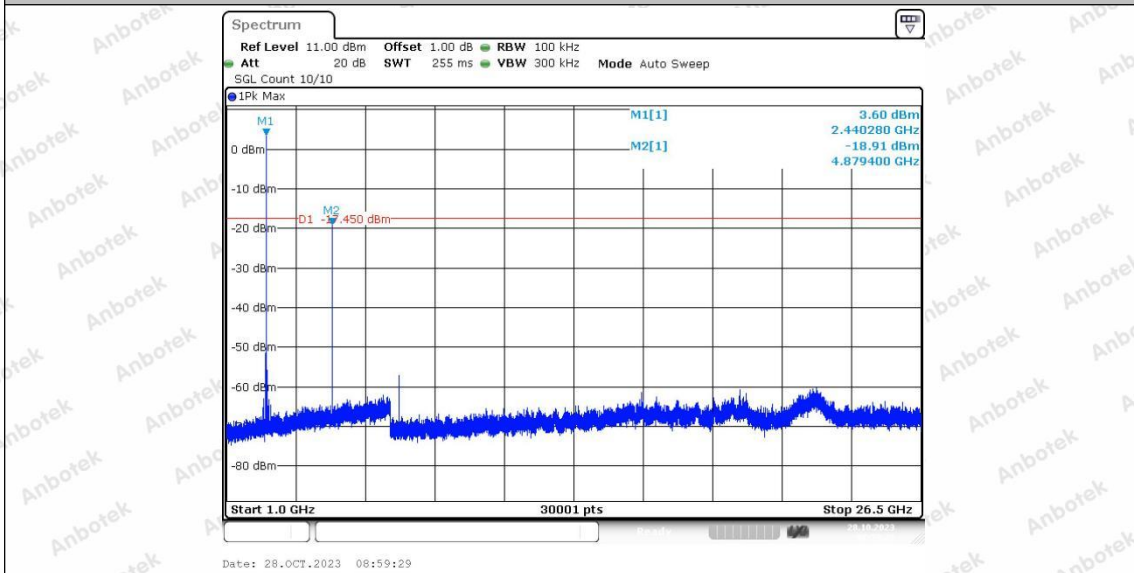


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



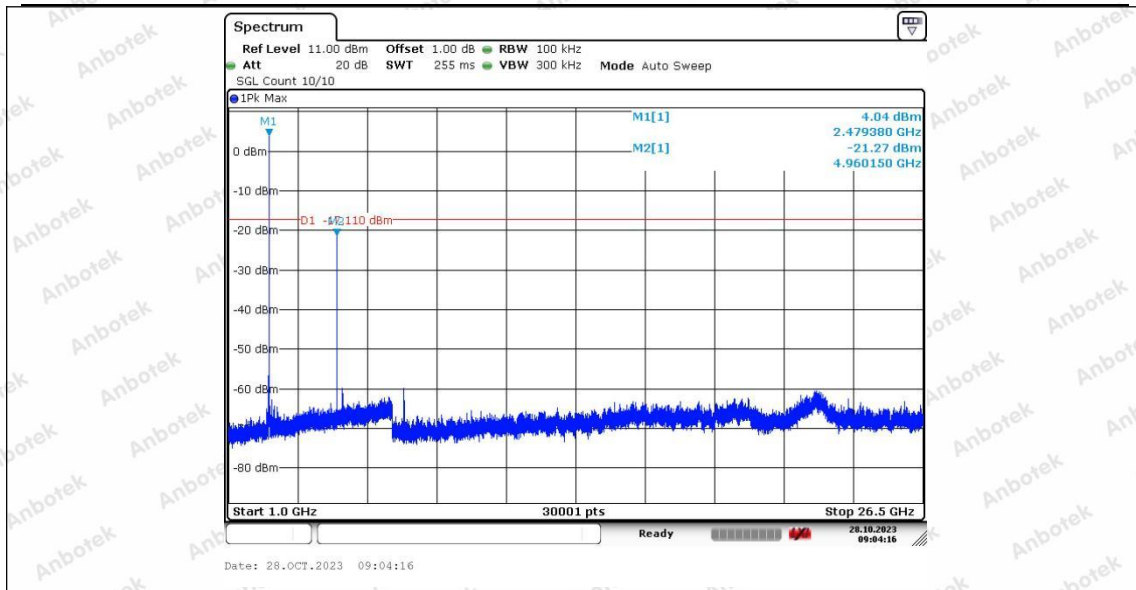
BLE_1M_Ant1_2480_0~Reference

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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

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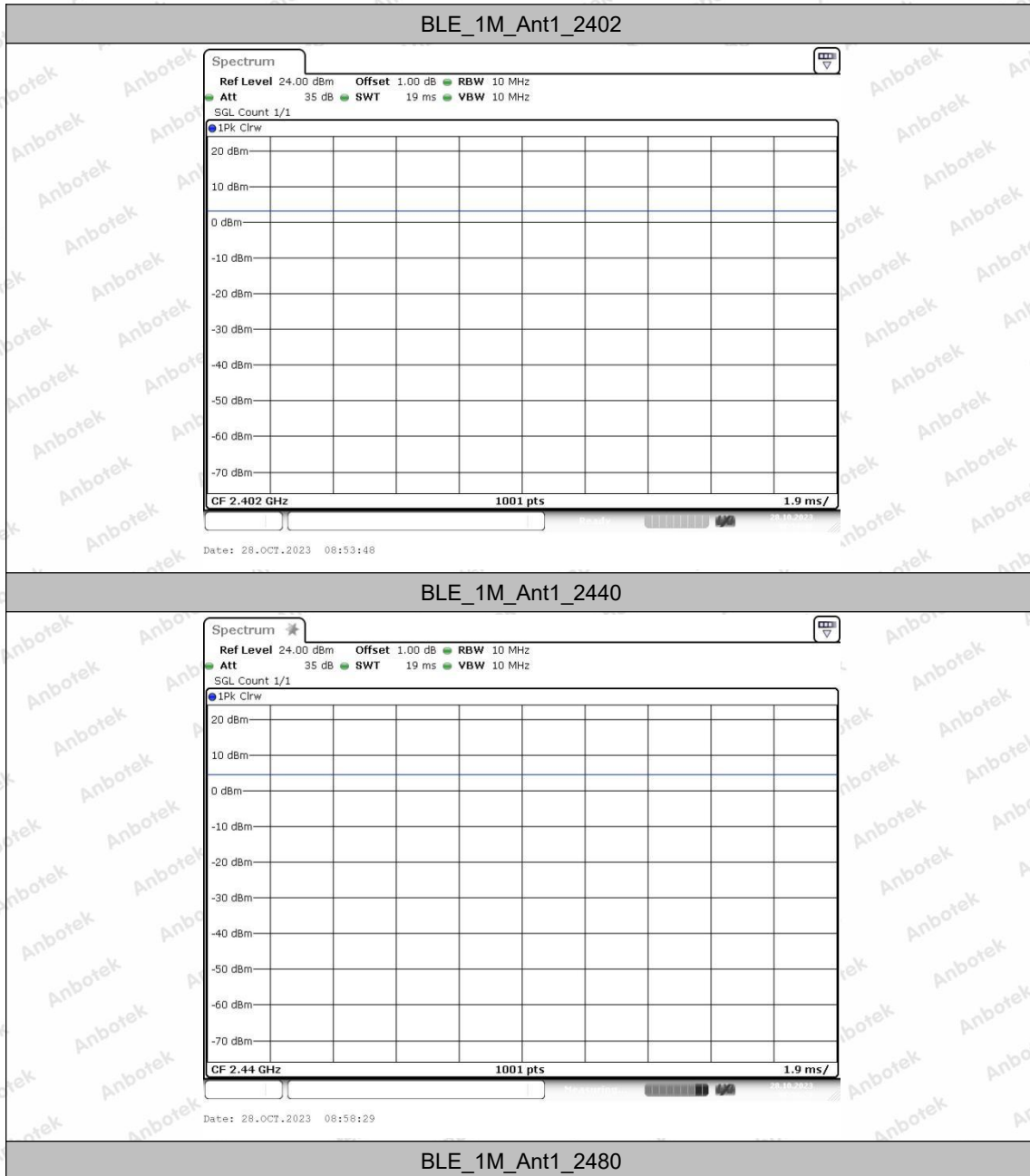
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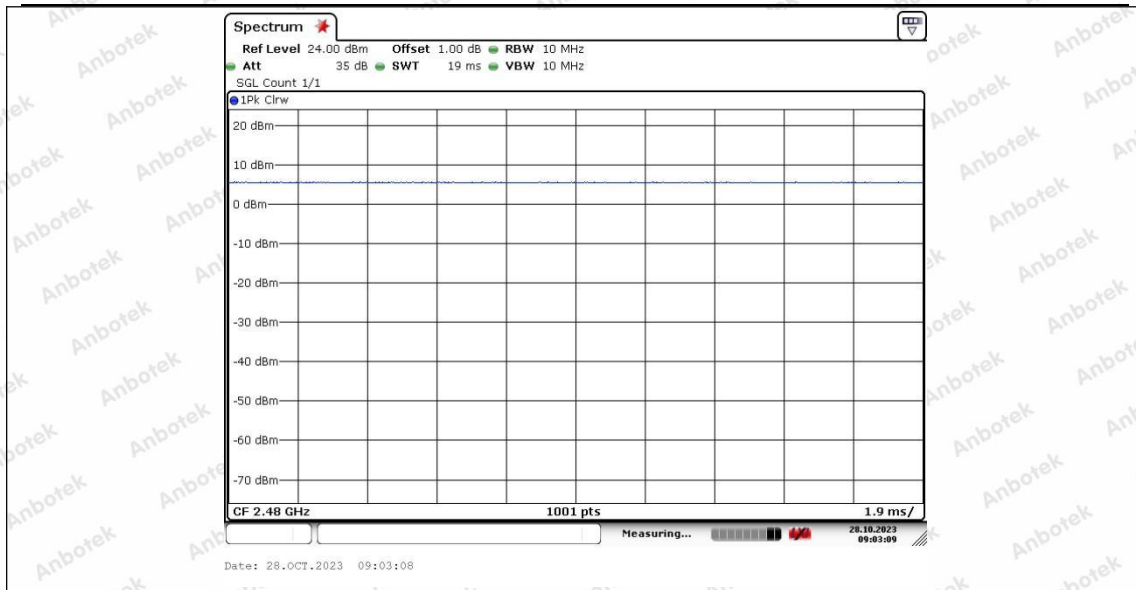
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