

Appendix Test Data

Report No.:	18220WC30219201	Test Sample No.:	1-2-2
Start Test Date:	2023.10.16	Finish Test Date:	2023.10.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.0°C	Relative Humidity:	48.3%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

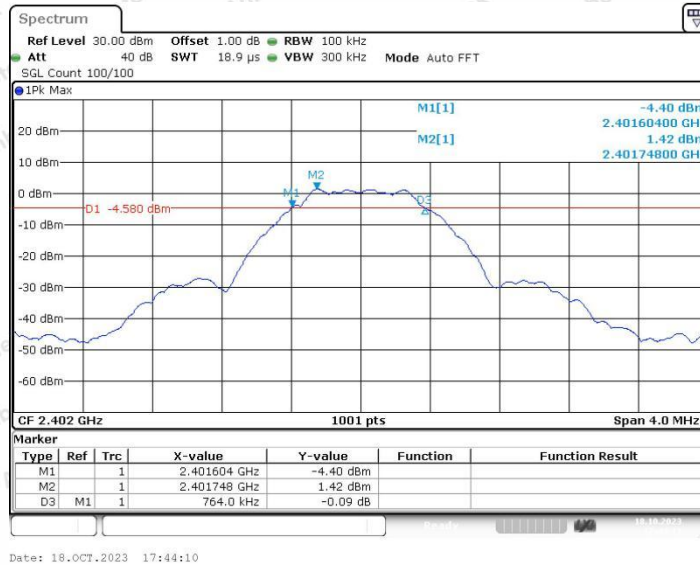
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.76	2401.60	2402.37	0.5	PASS
		2440	0.76	2439.61	2440.37	0.5	PASS
		2480	0.73	2479.64	2480.36	0.5	PASS

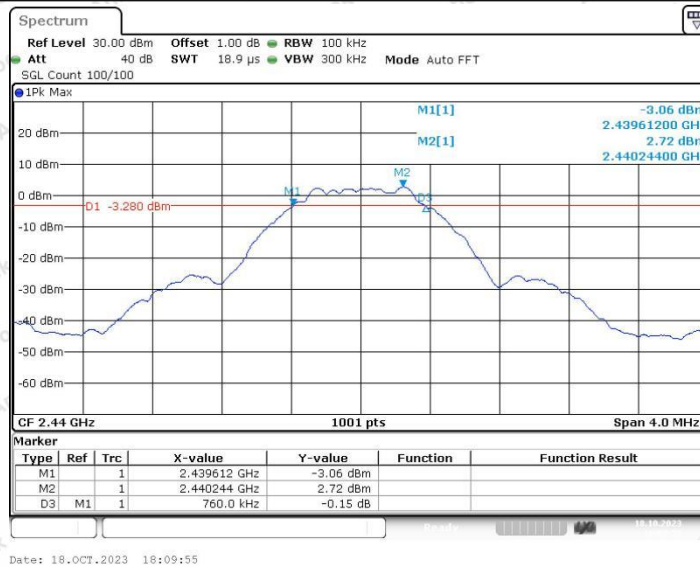


Test Graphs

BLE_1M_Ant1_2402

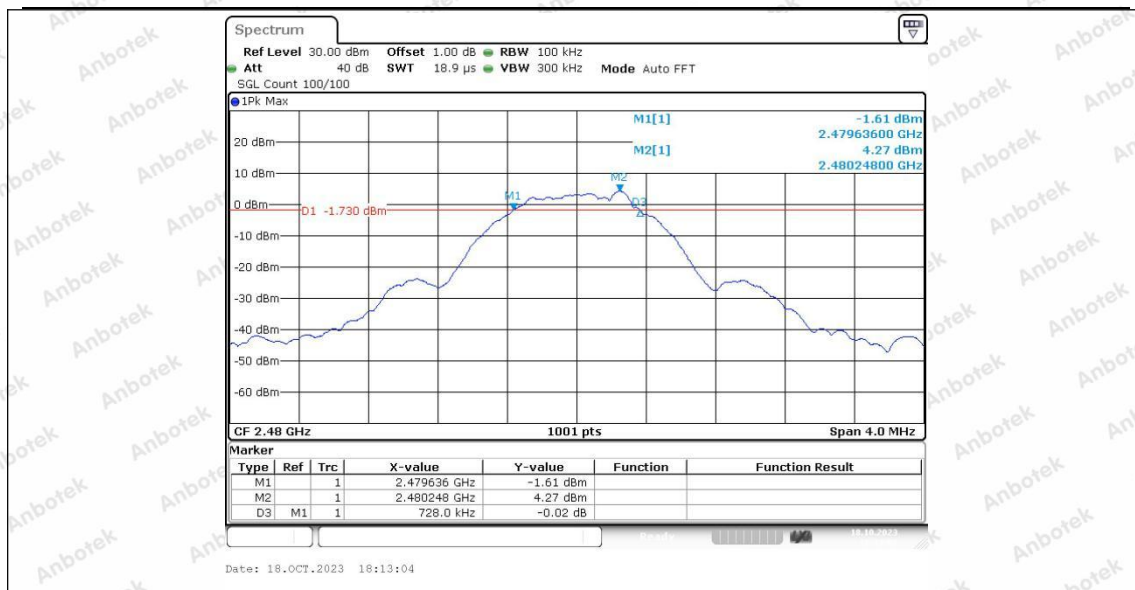


BLE_1M_Ant1_2440



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	1.071	2401.4685	2402.5395
		2440	1.099	2439.4406	2440.5395
		2480	1.099	2479.4446	2480.5435



Test Graphs



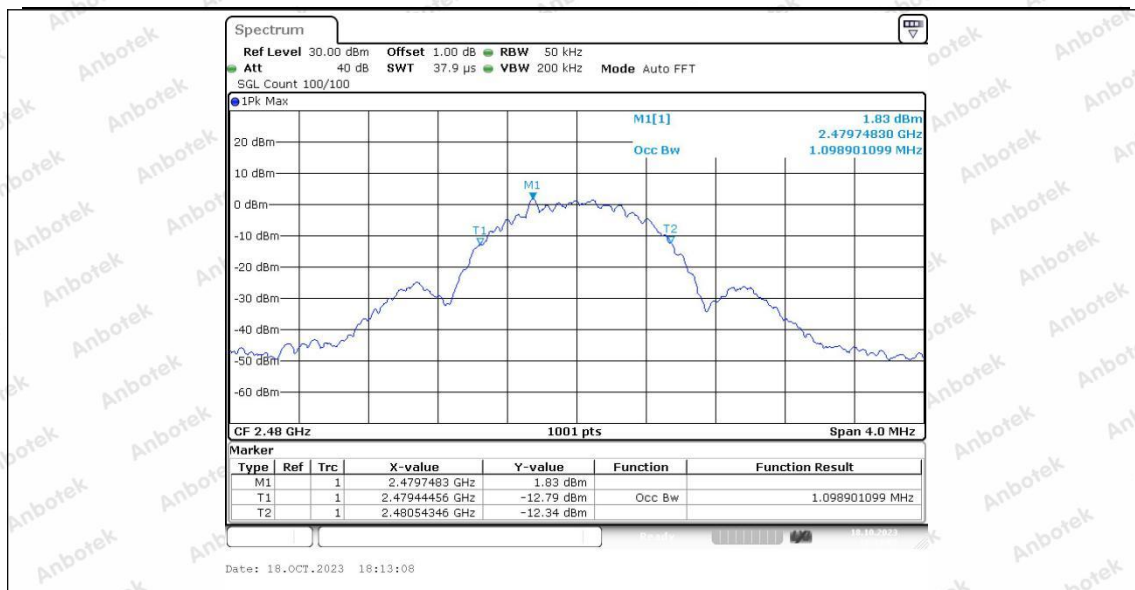
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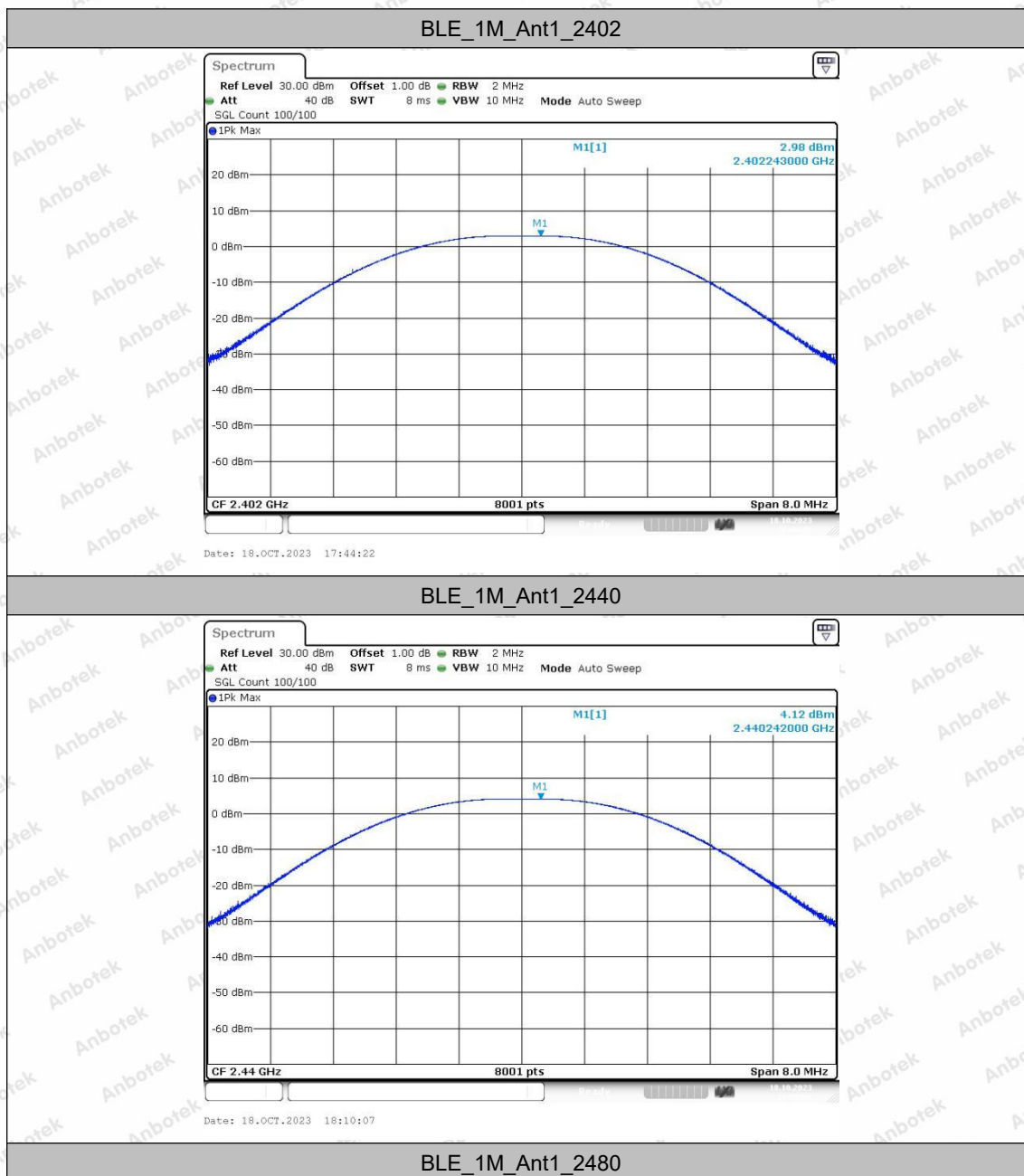
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.98	≤30	PASS
		2440	4.12	≤30	PASS
		2480	5.11	≤30	PASS



Test Graphs Peak



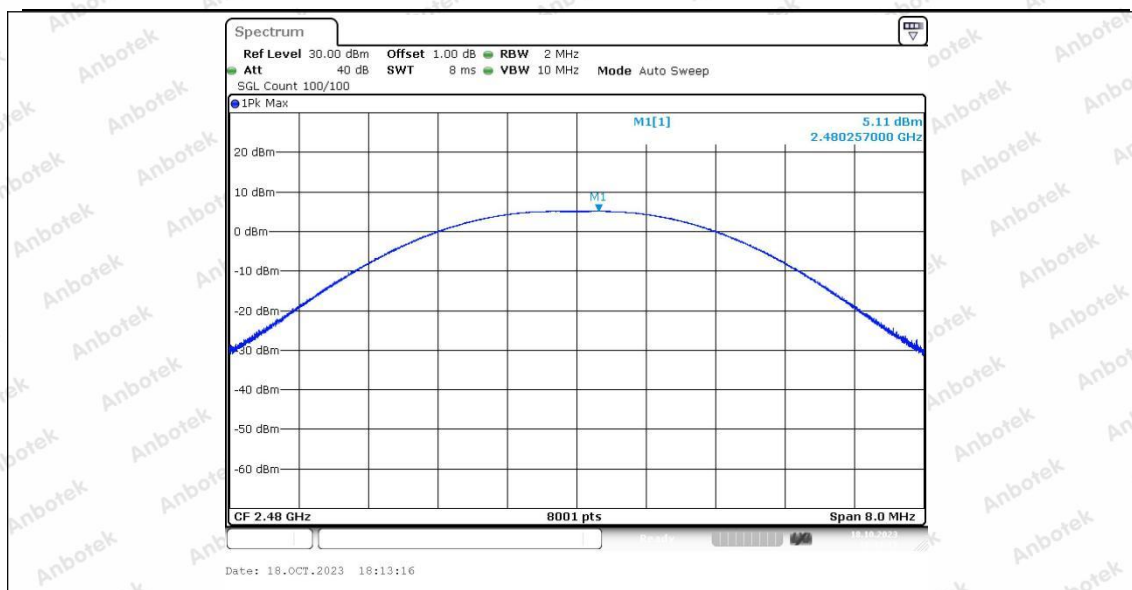
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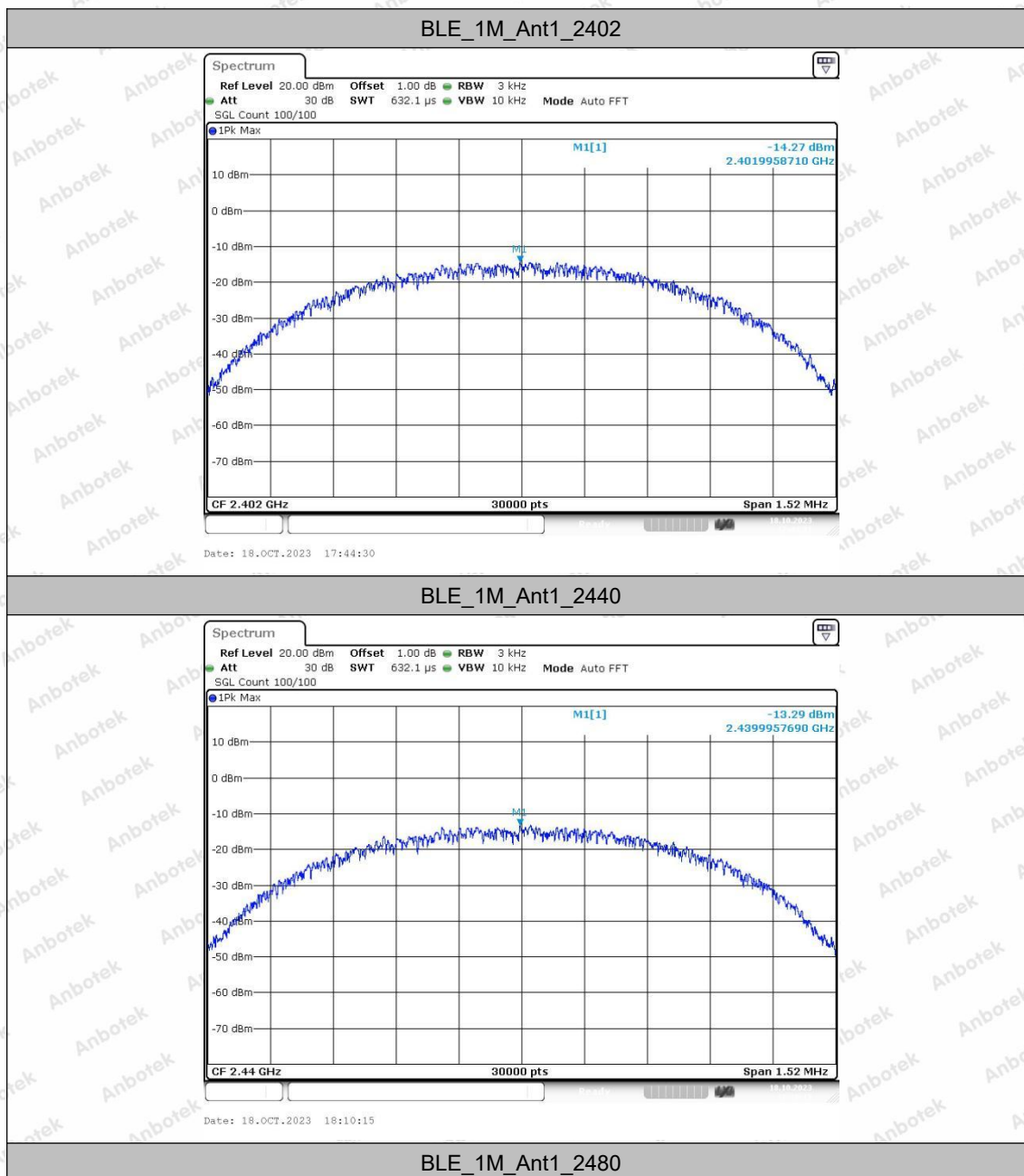
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.27	≤8.00	PASS
		2440	-13.29	≤8.00	PASS
		2480	-12.41	≤8.00	PASS



Test Graphs



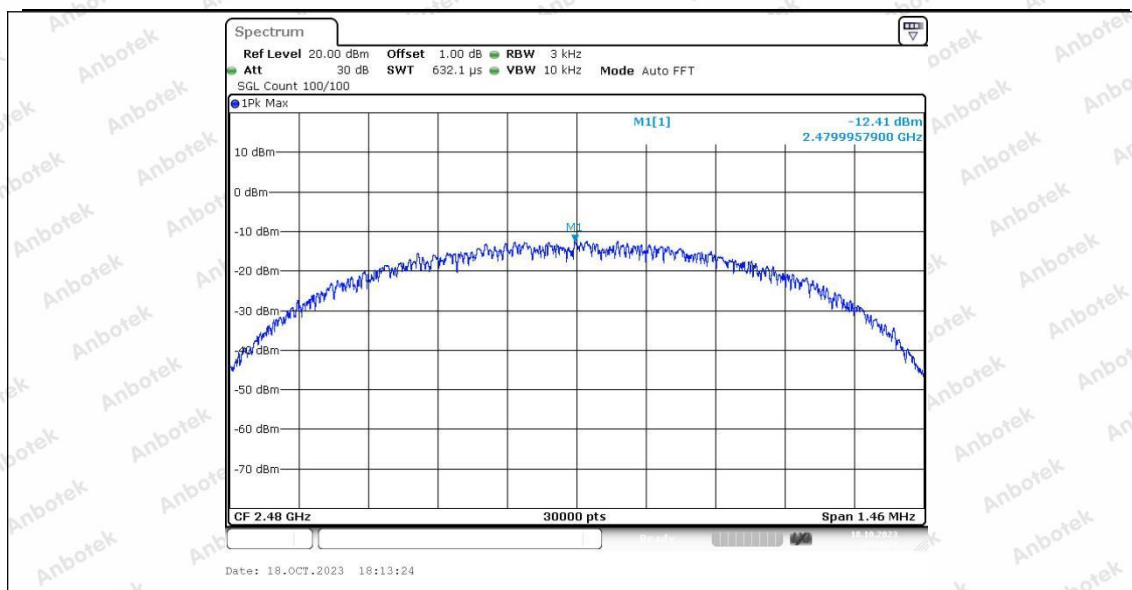
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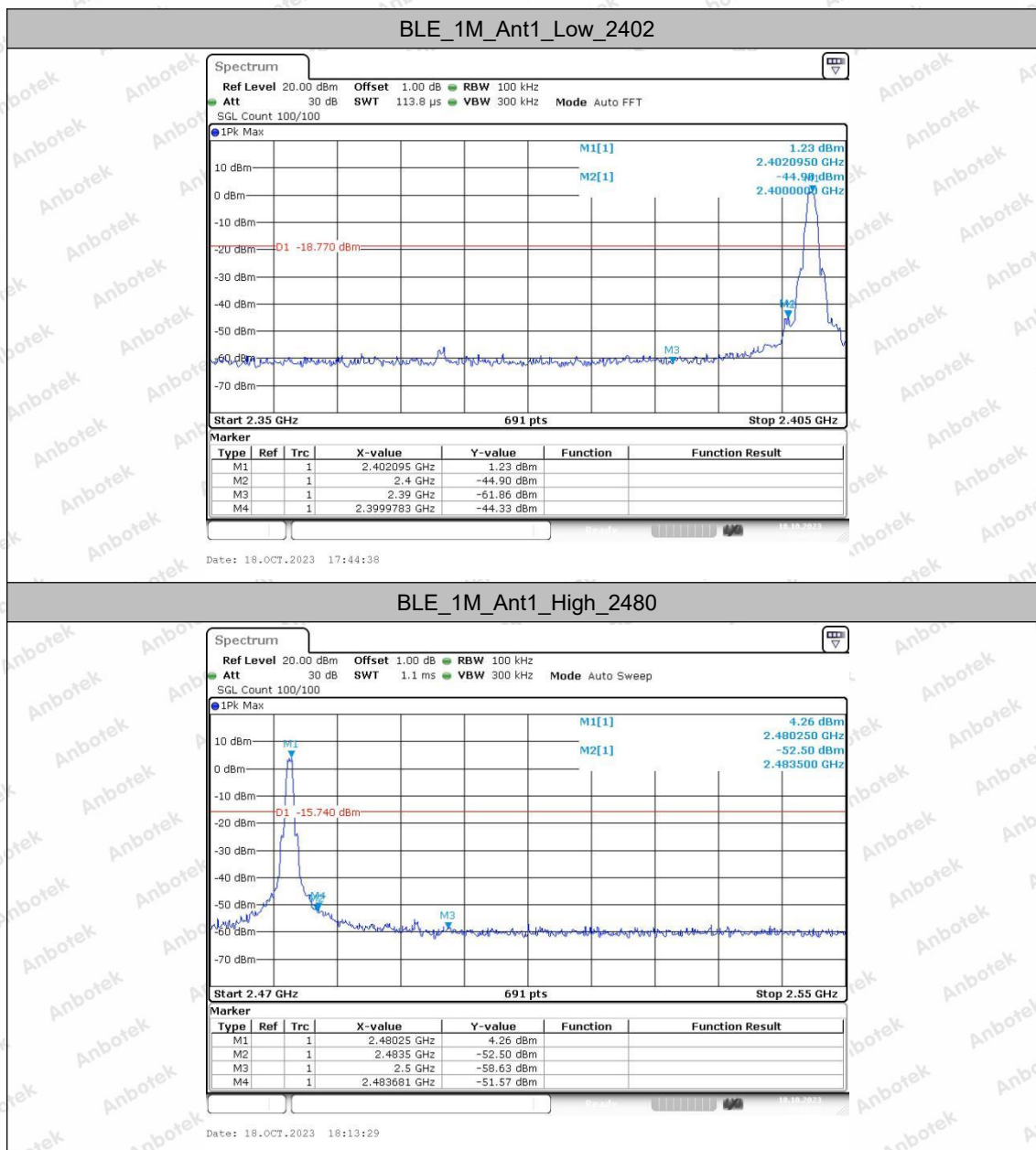
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.23	-44.33	≤-18.77	PASS
		High	2480	4.26	-51.57	≤-15.74	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	1.38	1.38	---	PASS
			30~1000	1.38	-68.6	≤-18.62	PASS
			1000~26500	1.38	-59.48	≤-18.62	PASS
		2440	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-68.22	≤-17.39	PASS
			1000~26500	2.61	-58.47	≤-17.39	PASS
		2480	Reference	2.82	2.82	---	PASS
			30~1000	2.82	-68.44	≤-17.18	PASS
			1000~26500	2.82	-56.47	≤-17.18	PASS

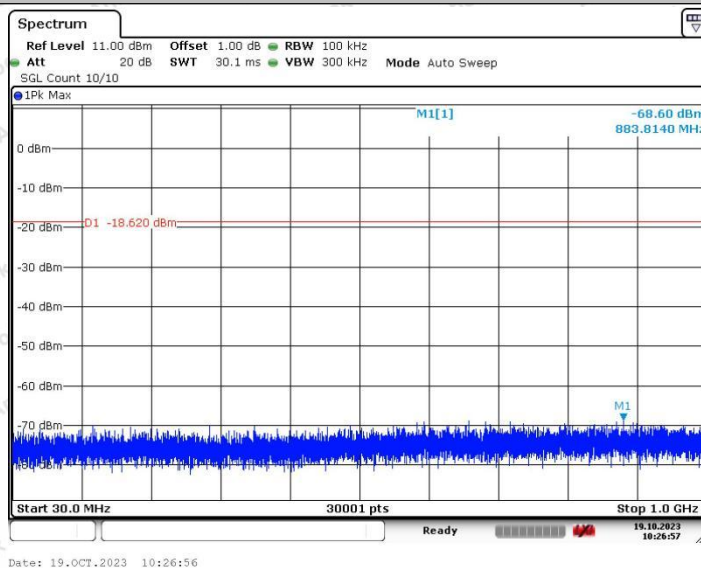


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

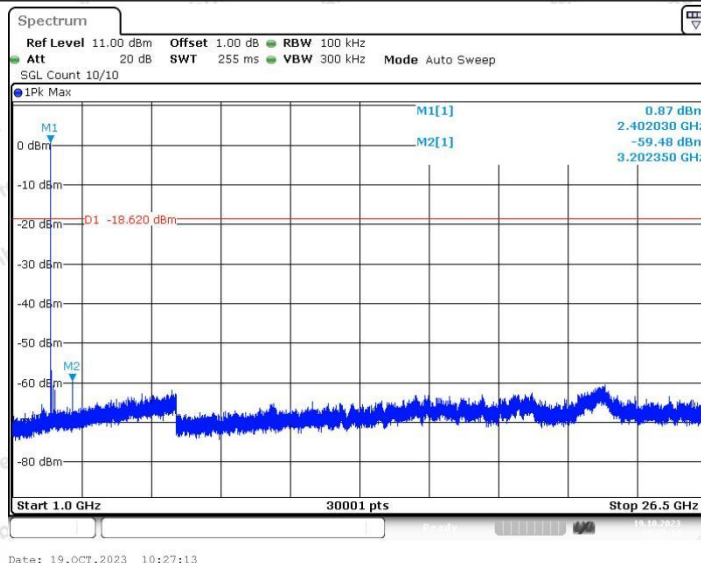
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

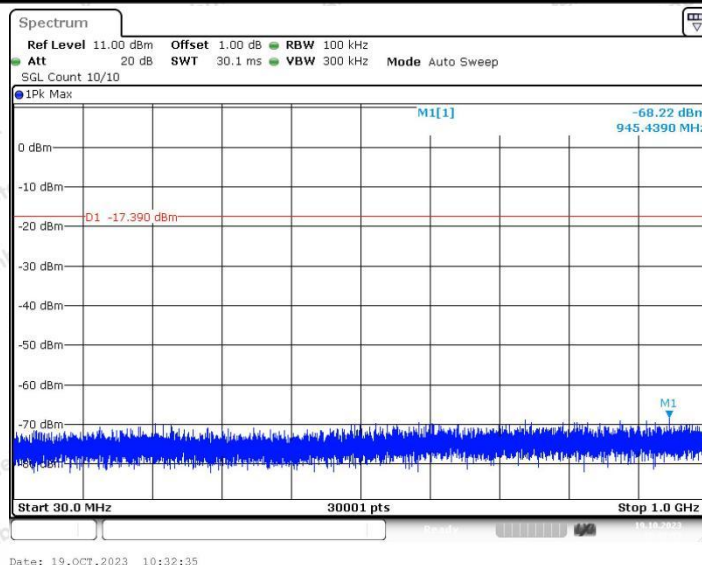
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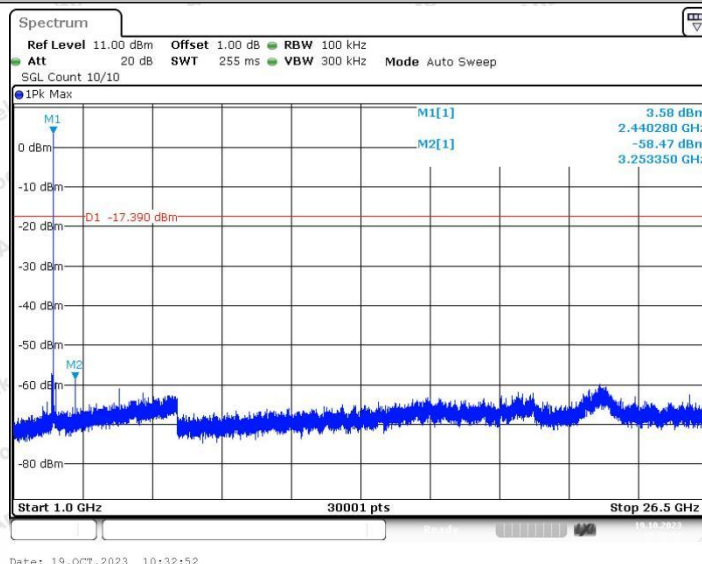


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BLE_1M_Ant1_2440_1000~26500

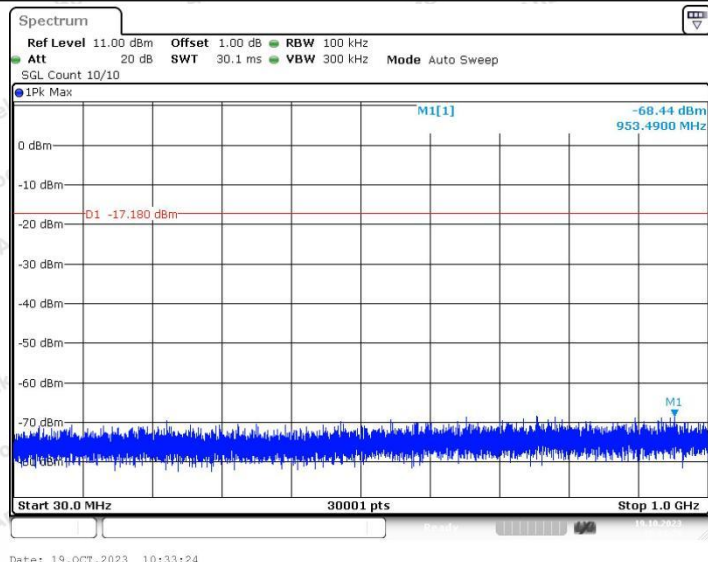


BLE_1M_Ant1_2480_0~Reference



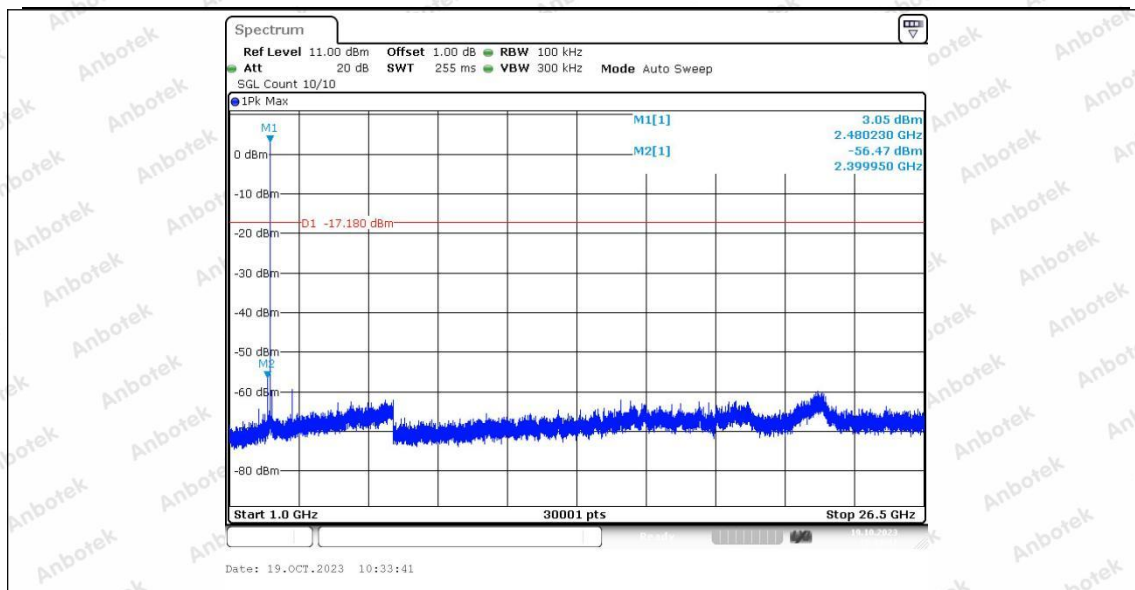


BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



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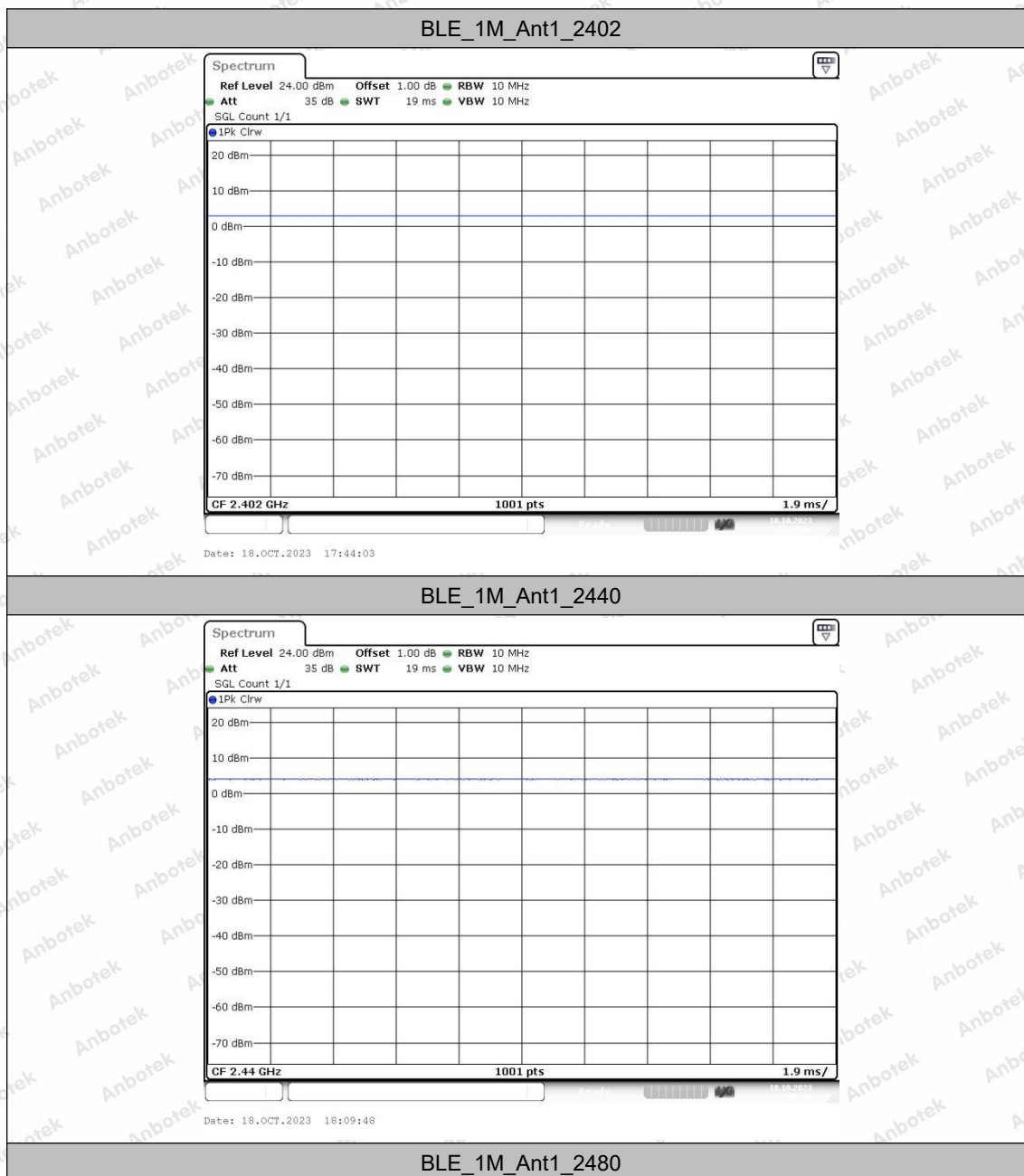
Appendix G: Duty Cycle

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



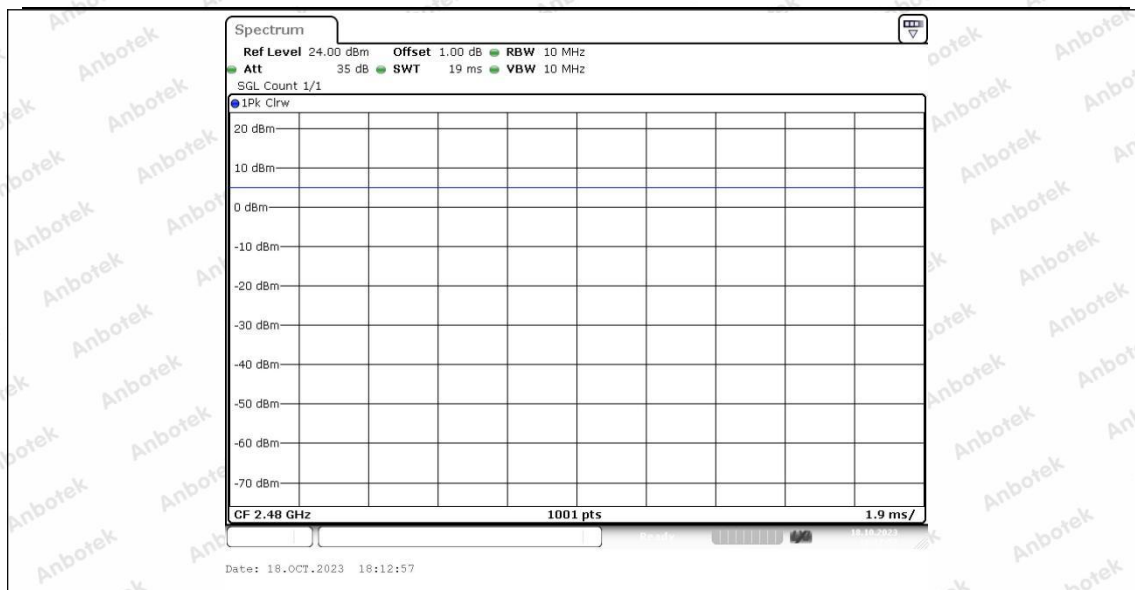
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