

Appendix Test Data

Report No.:	18220WC30219301	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:	26.8°C	Relative Humidity:	49.1%
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	0.74	2401.62	2402.36	0.5	PASS
		2440	0.78	2439.59	2440.38	0.5	PASS
		2480	0.74	2479.62	2480.36	0.5	PASS

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Test Graphs

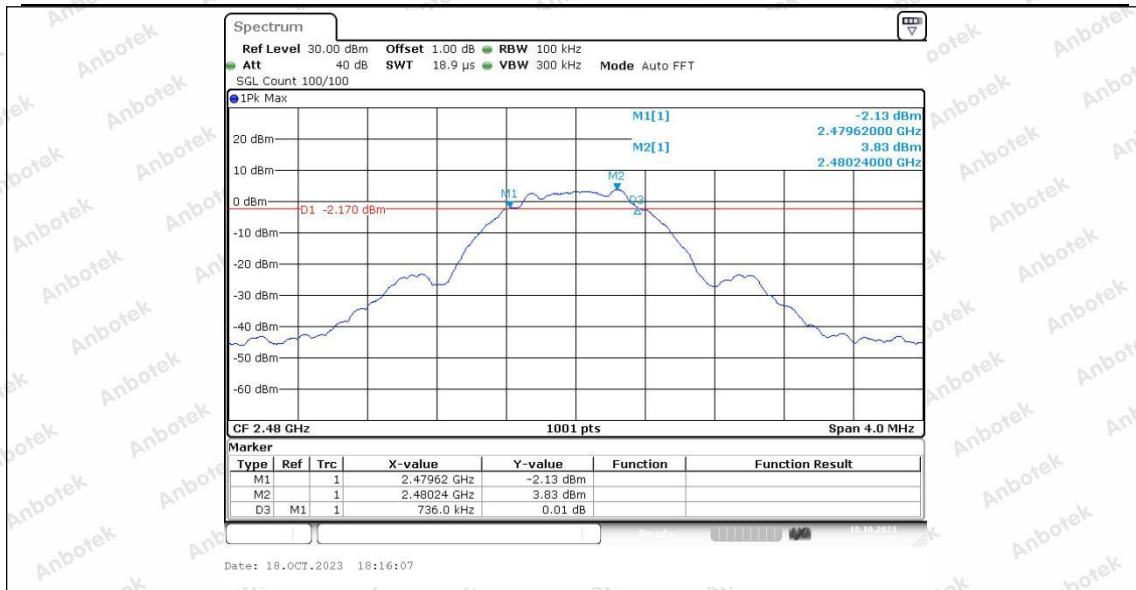


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.091	2401.4525	2402.5435
		2440	1.103	2439.4406	2440.5435
		2480	1.103	2479.4446	2480.5475

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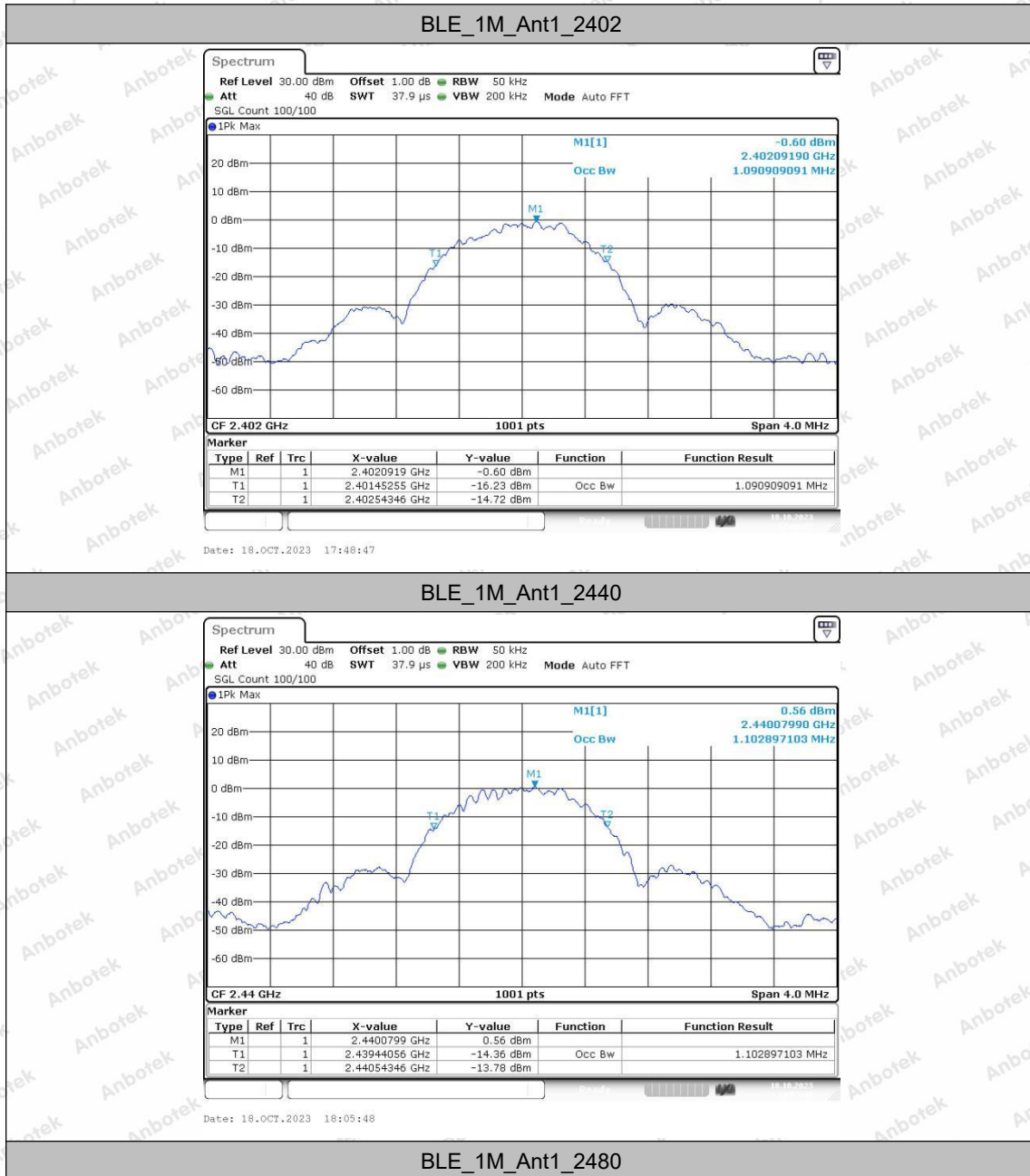
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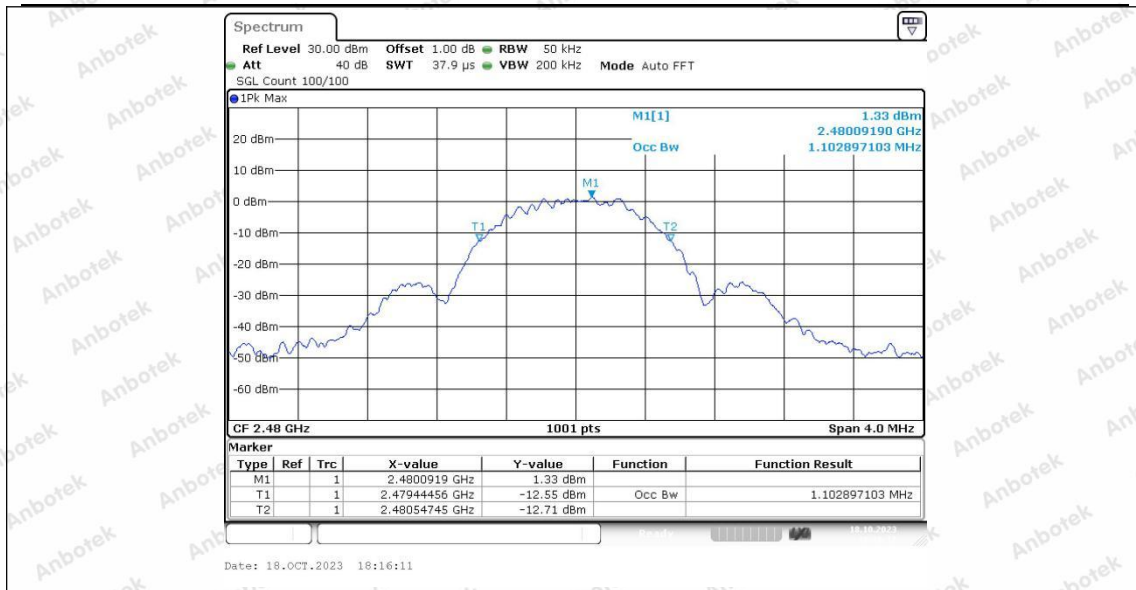


Test Graphs



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	2.97	≤30	PASS
		2440	4.09	≤30	PASS
		2480	5.11	≤30	PASS

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Test Graphs Peak

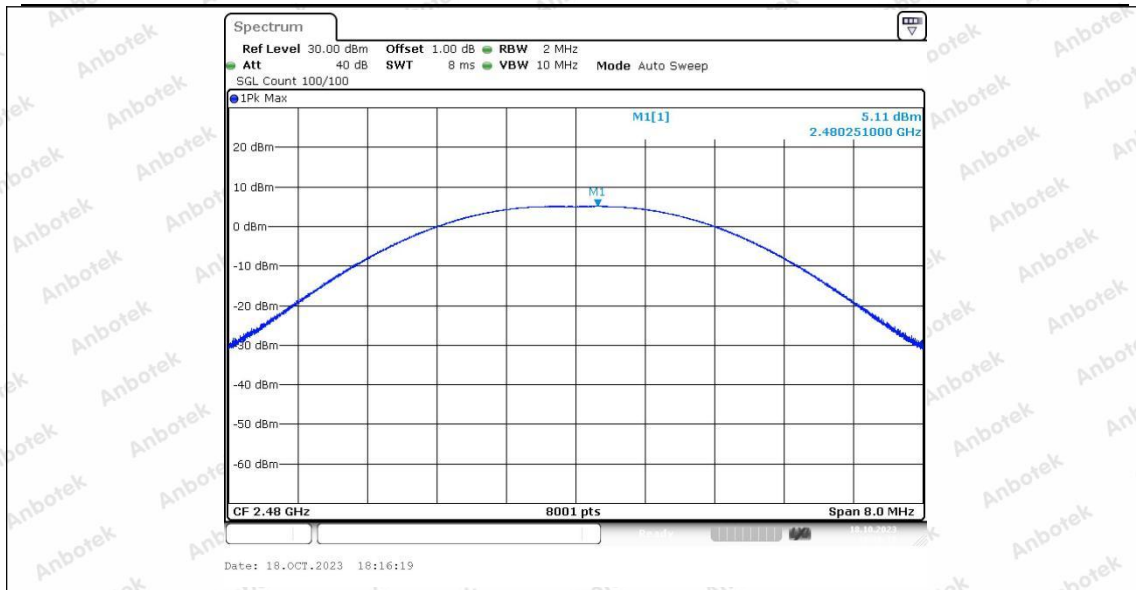


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.42	≤8.00	PASS
		2440	-13.29	≤8.00	PASS
		2480	-12.19	≤8.00	PASS



Test Graphs

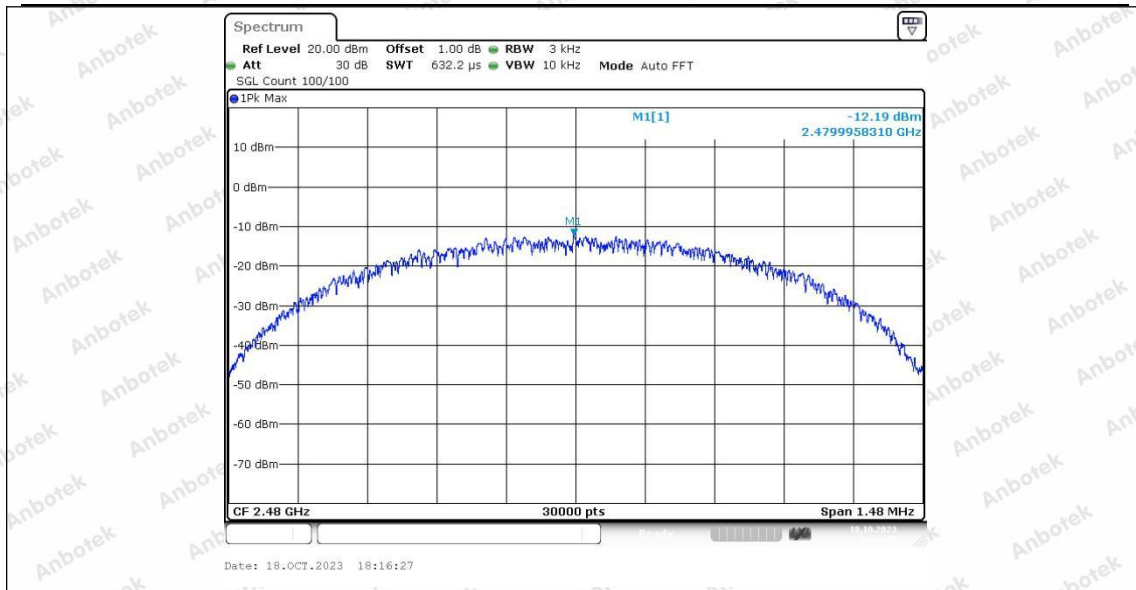


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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.98	-46.33	≤-18.02	PASS
		High	2480	3.50	-51.42	≤-16.5	PASS

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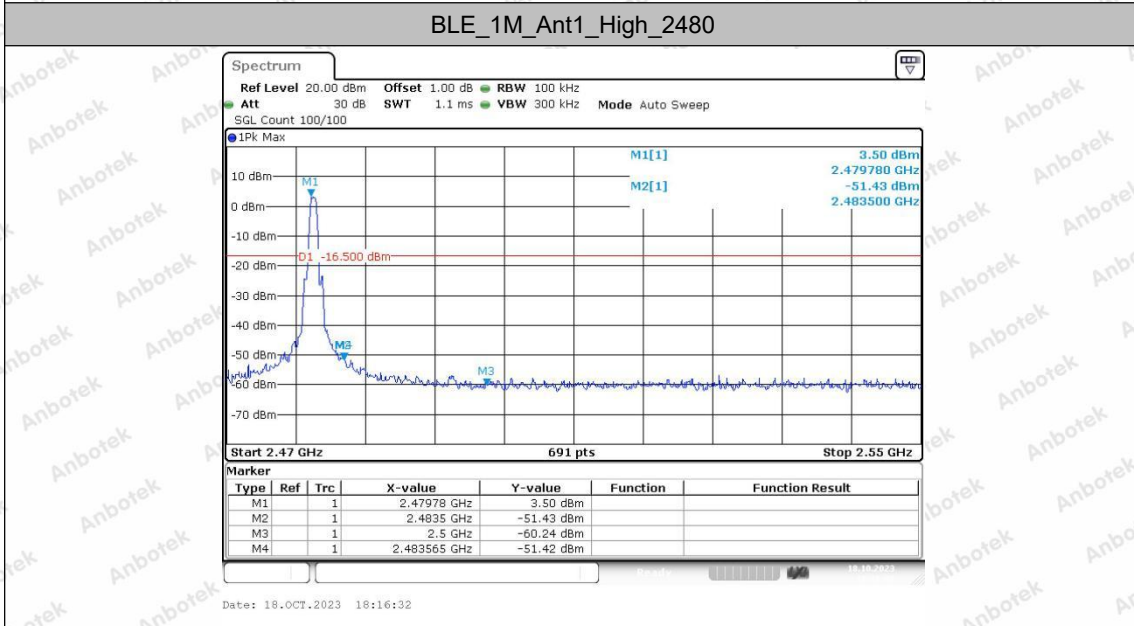
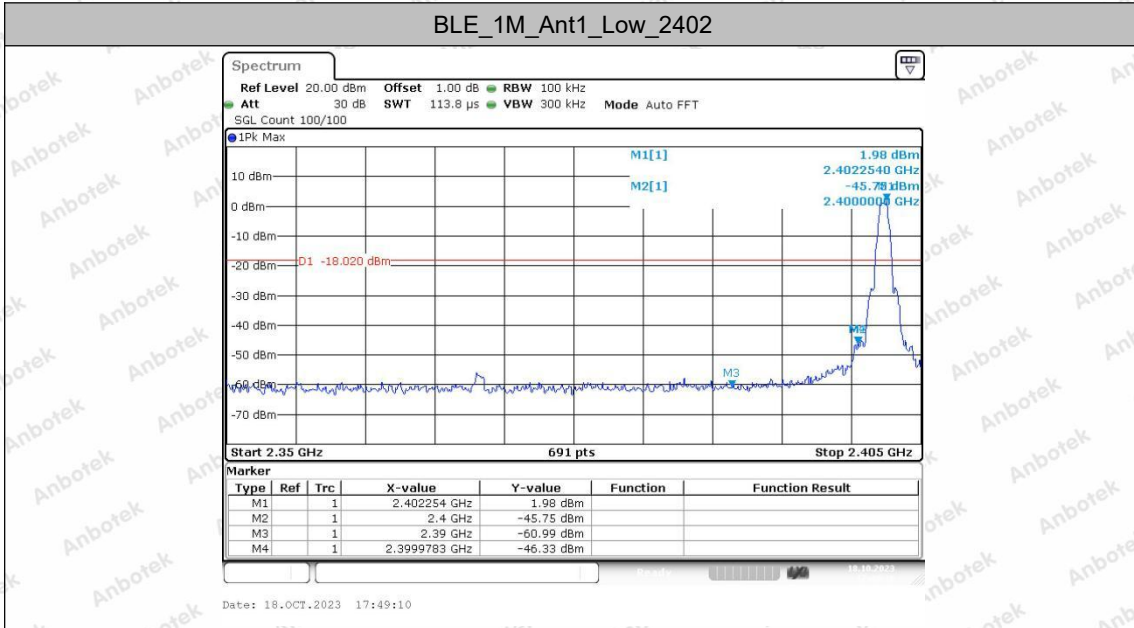
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Test Graphs



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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	0.54	0.54	---	PASS
			30~1000	0.54	-68.5	≤-19.46	PASS
			1000~26500	0.54	-59.06	≤-19.46	PASS
		2440	Reference	4.73	4.73	---	PASS
			30~1000	4.73	-68.7	≤-15.27	PASS
			1000~26500	4.73	-58.38	≤-15.27	PASS
		2480	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-68.26	≤-16.47	PASS
			1000~26500	3.53	-56.46	≤-16.47	PASS

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Test Graphs



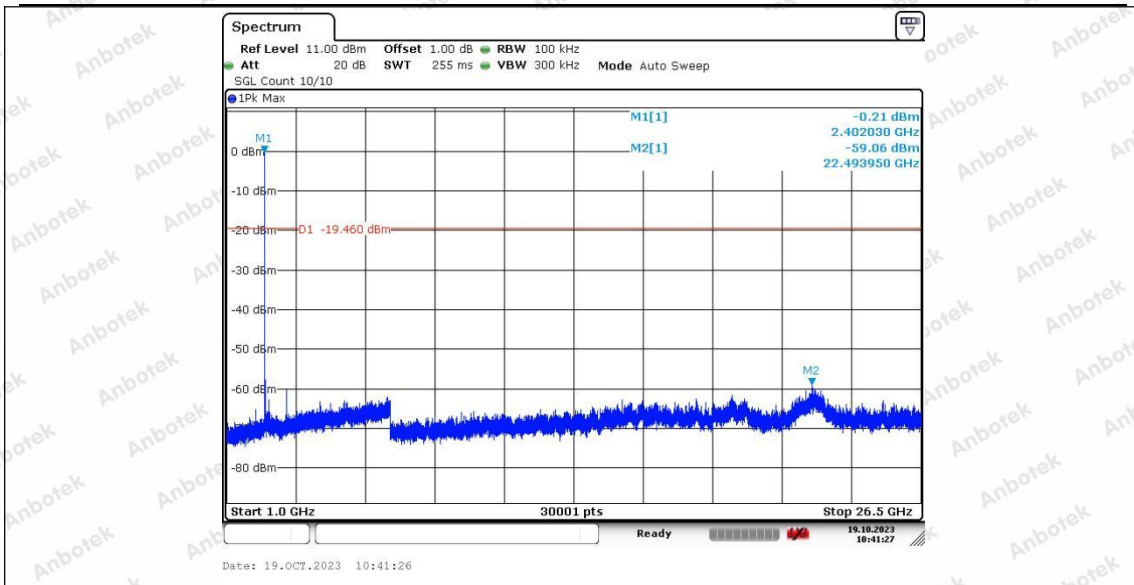
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BLE_1M_Ant1_2440_0~Reference



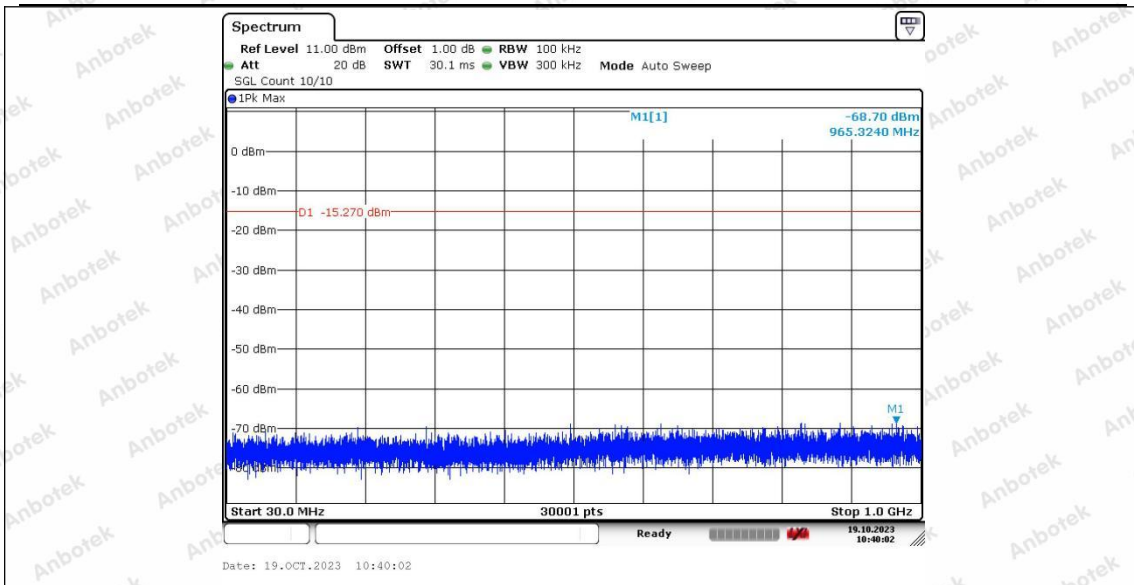
BLE_1M_Ant1_2440_30~1000

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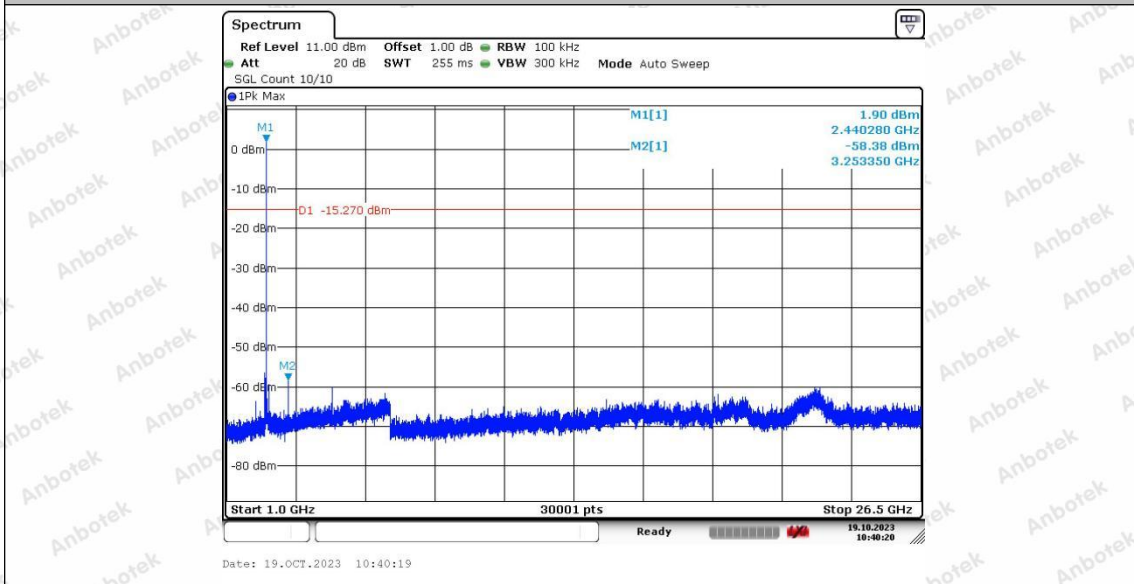
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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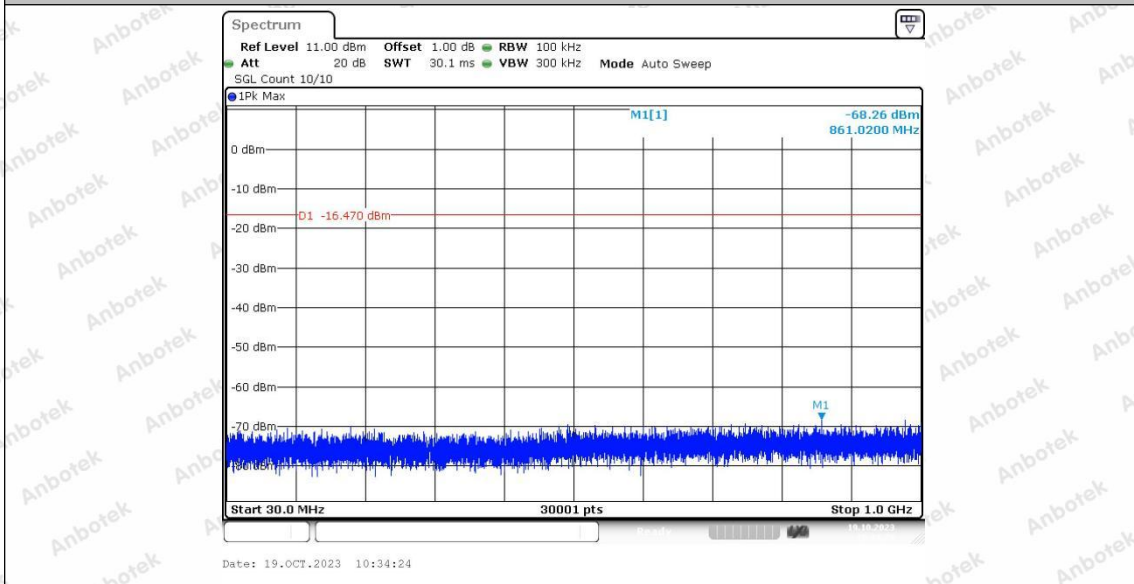
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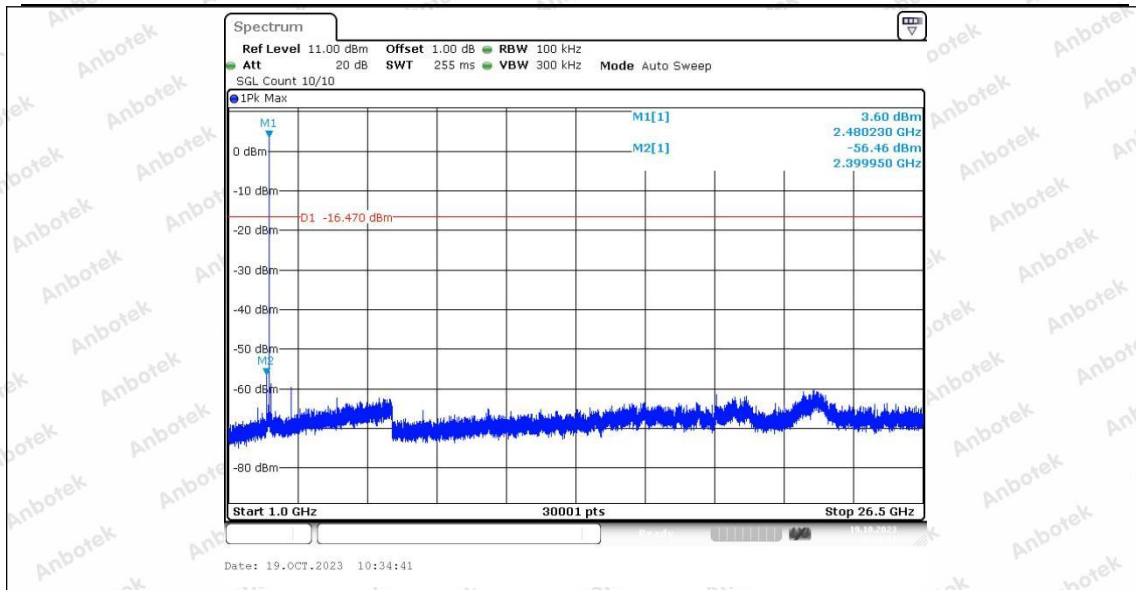


BLE_1M_Ant1_2480_30~1000



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

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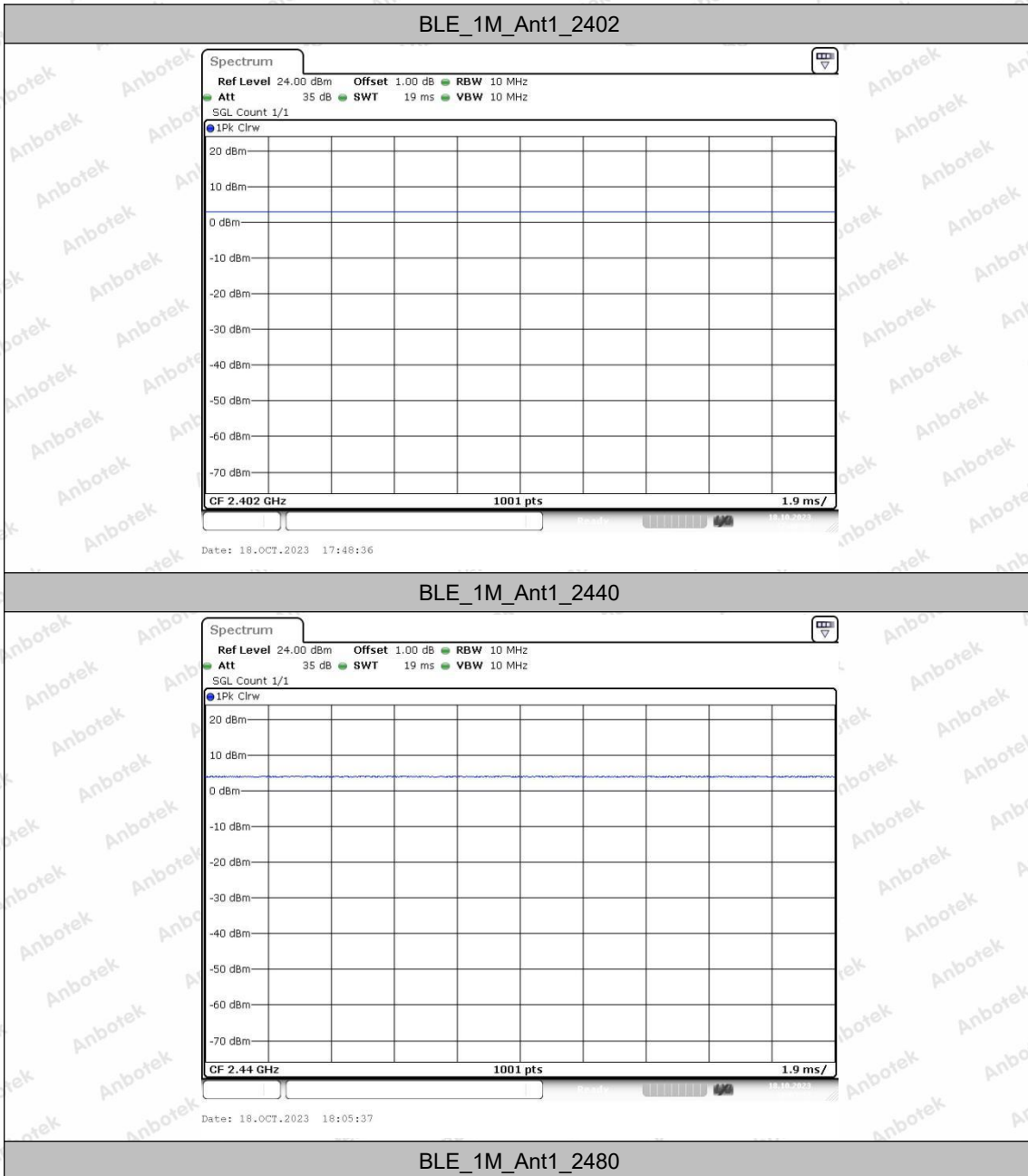
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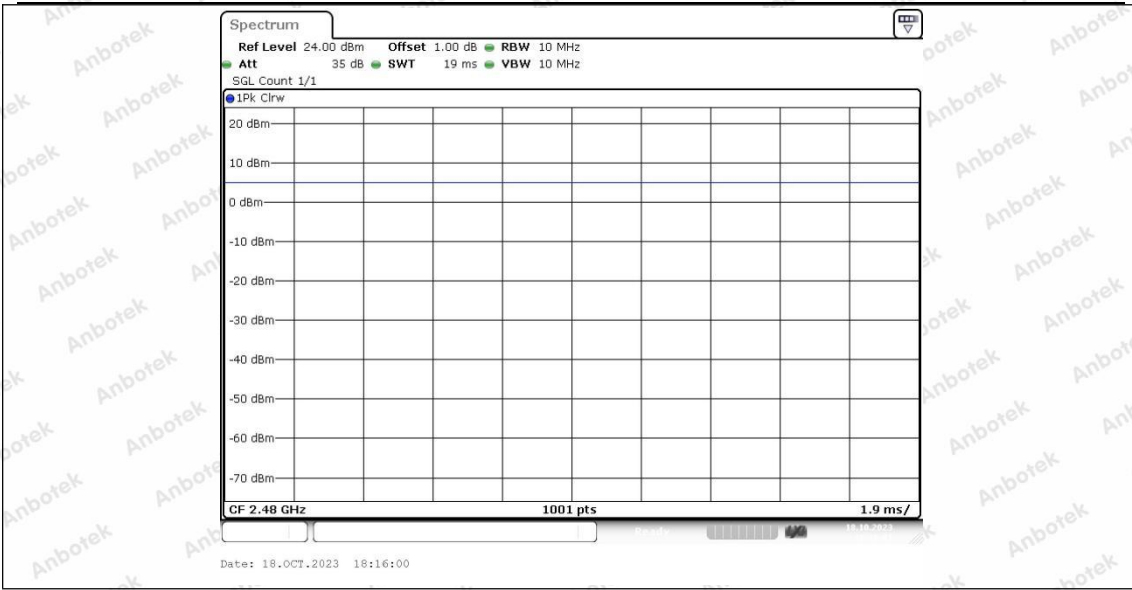


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