

Appendix Test Data

Report No.:	18220WC30231701	Test Sample No.:	1-2-2
Start Test Date:	2023.11.06	Finish Test Date:	2023.11.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.8°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

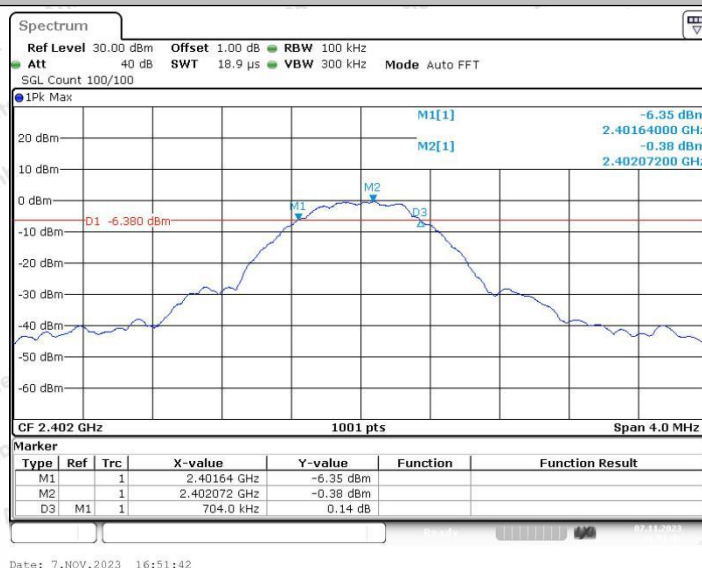
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.64	2402.34	0.5	PASS
		2440	0.67	2439.65	2440.32	0.5	PASS
		2480	0.68	2479.65	2480.33	0.5	PASS

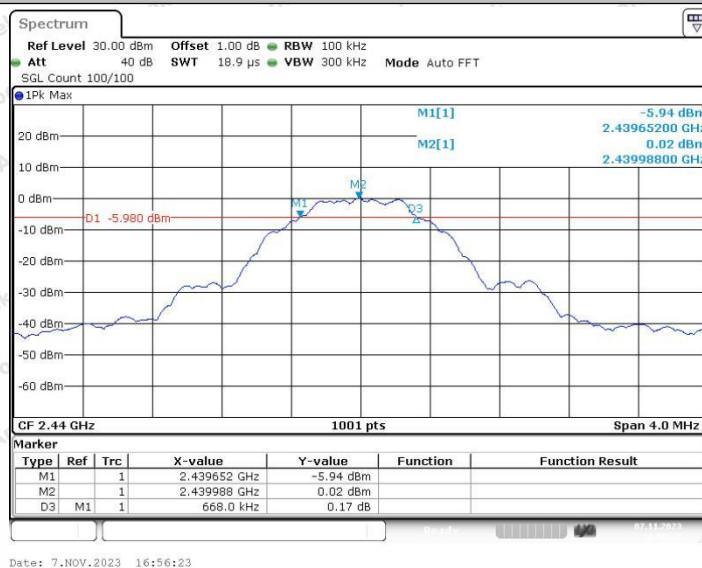


Test Graphs

BLE_1M_Ant1_2402

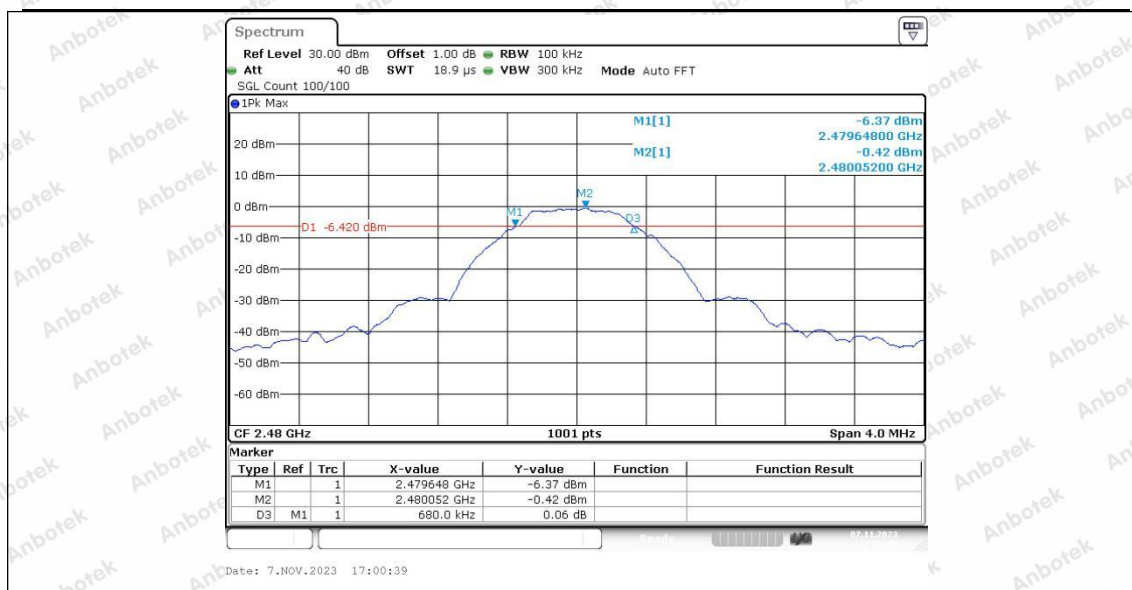


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

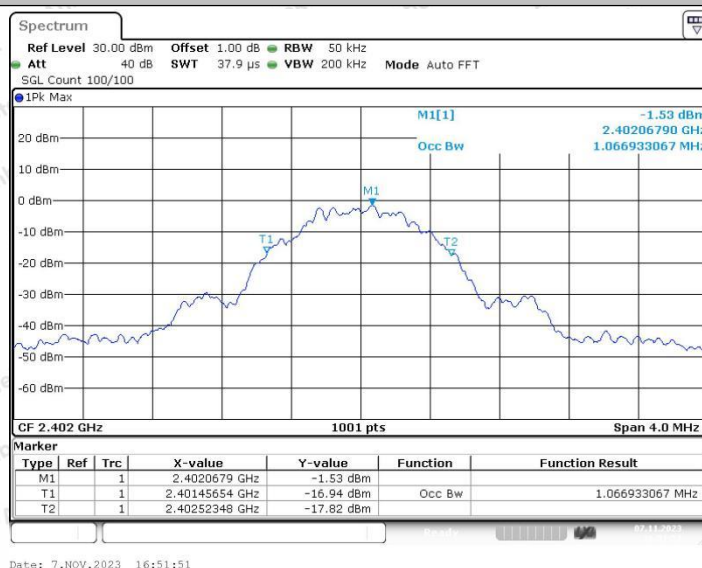
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.067	2401.4565	2402.5235
		2440	1.095	2439.4446	2440.5395
		2480	1.051	2479.4645	2480.5155

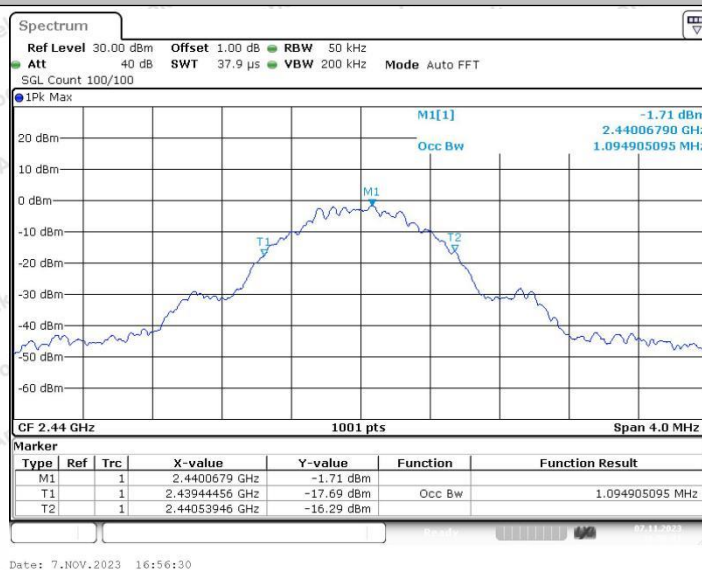


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

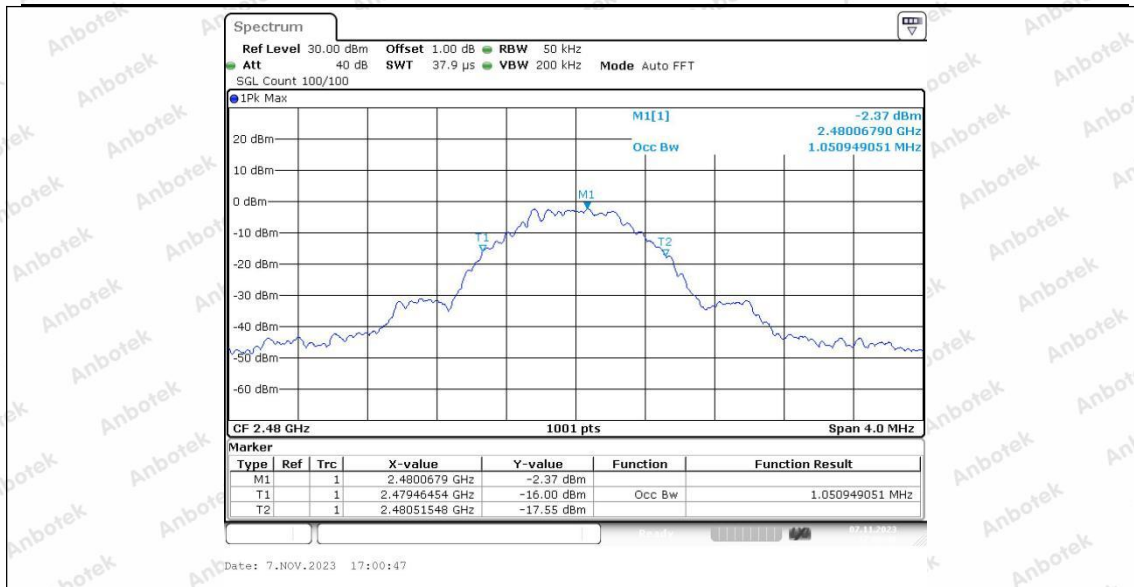
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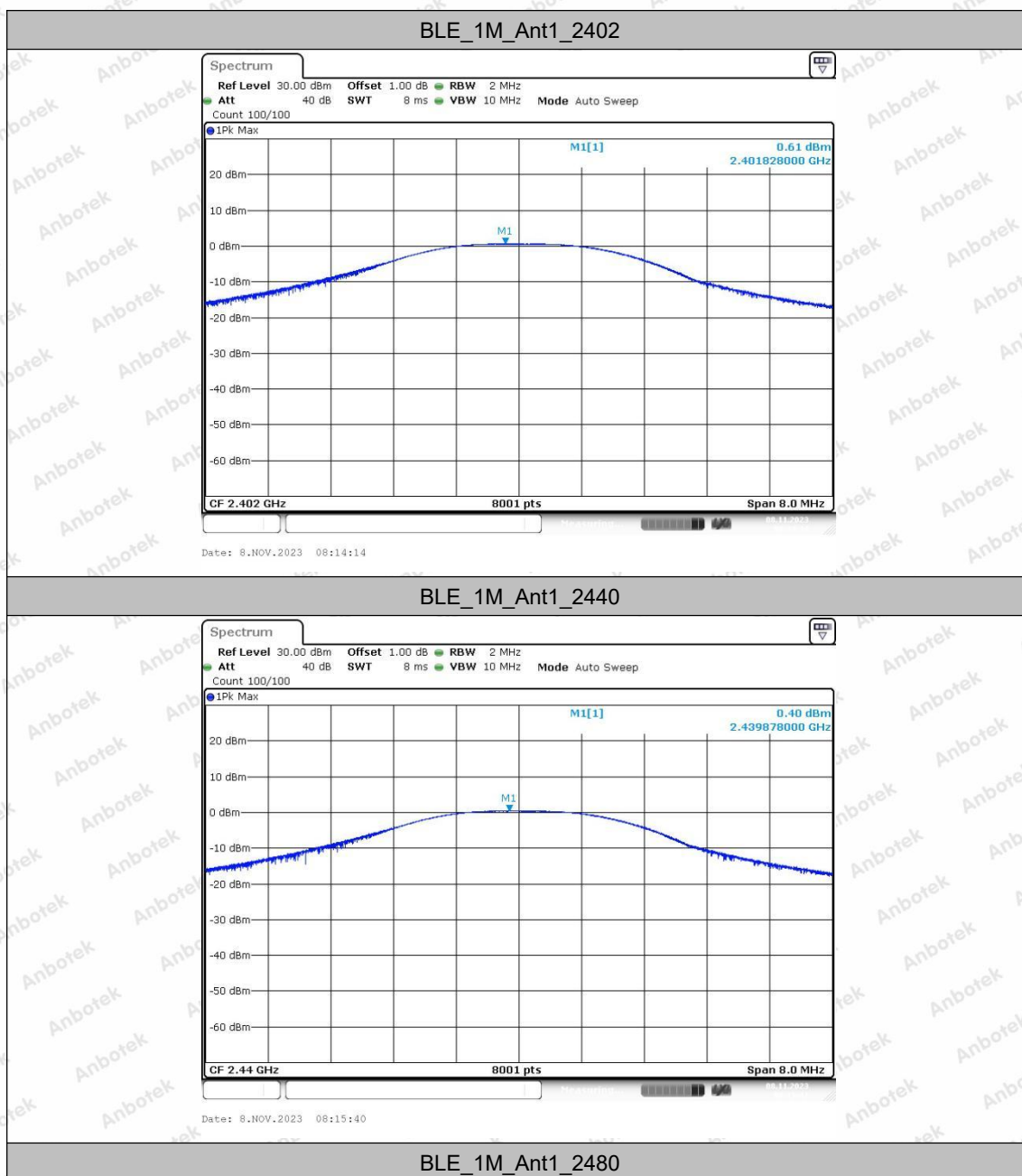
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.61	≤30	PASS
		2440	0.40	≤30	PASS
		2480	0.06	≤30	PASS



Test Graphs Peak



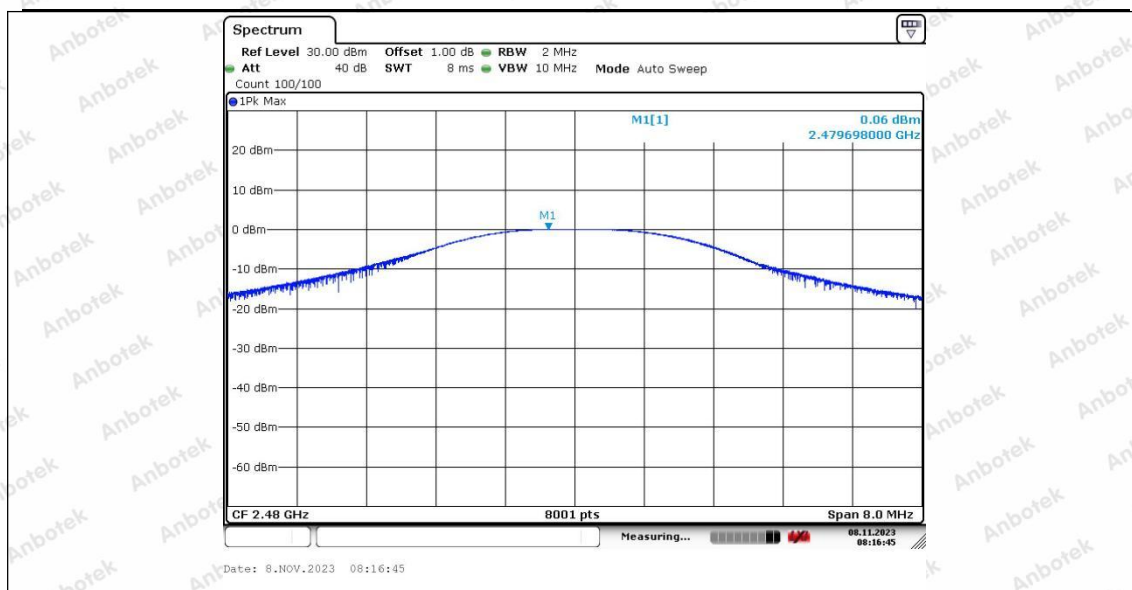
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Appendix D: Maximum power spectral density

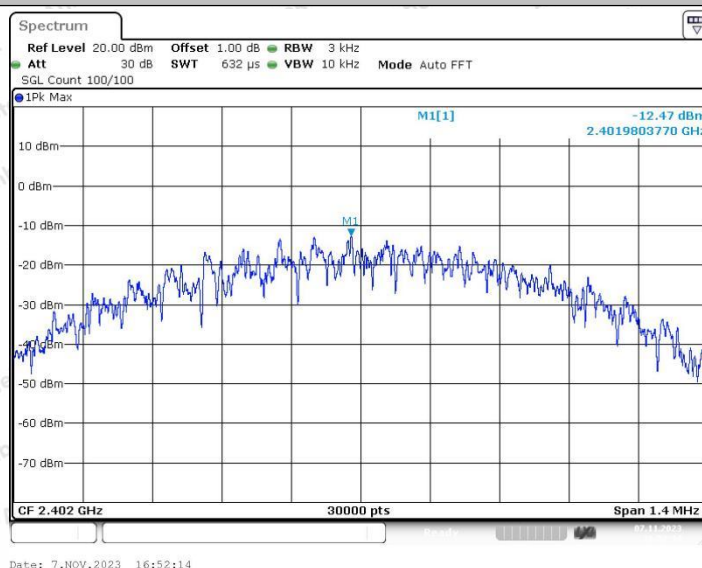
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.47	≤8.00	PASS
		2440	-12.64	≤8.00	PASS
		2480	-12.66	≤8.00	PASS

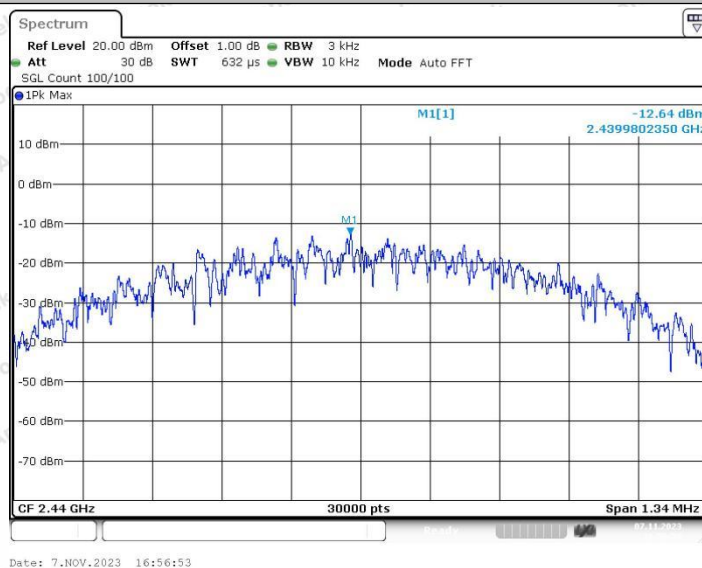


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

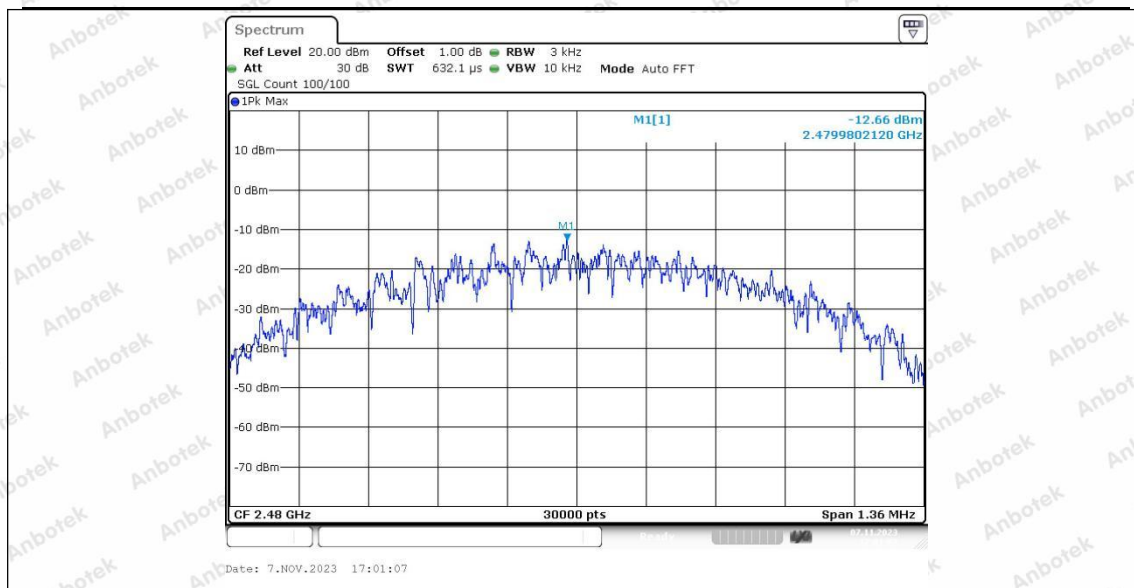
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.41	-43.22	≤-19.59	PASS
		High	2480	-0.32	-44.14	≤-20.32	PASS

Test Graphs



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	-0.65	-0.65	---	PASS
			30~1000	-0.65	-68.07	≤-20.65	PASS
			1000~26500	-0.65	-38.74	≤-20.65	PASS
		2440	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-68.41	≤-20.92	PASS
			1000~26500	-0.92	-39.30	≤-20.92	PASS
		2480	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-67.20	≤-20.93	PASS
			1000~26500	-0.93	-37.33	≤-20.93	PASS

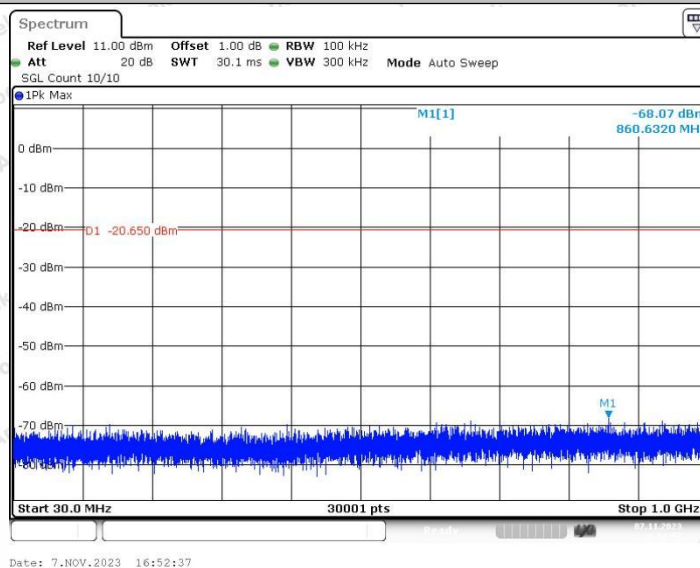


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

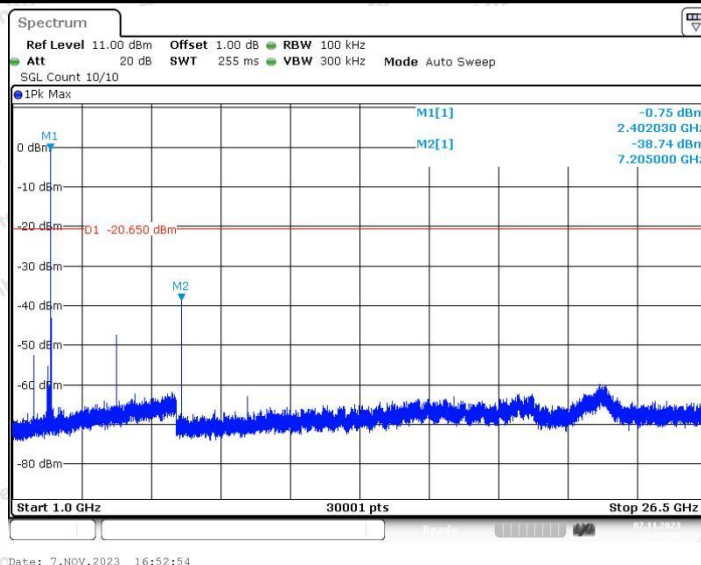
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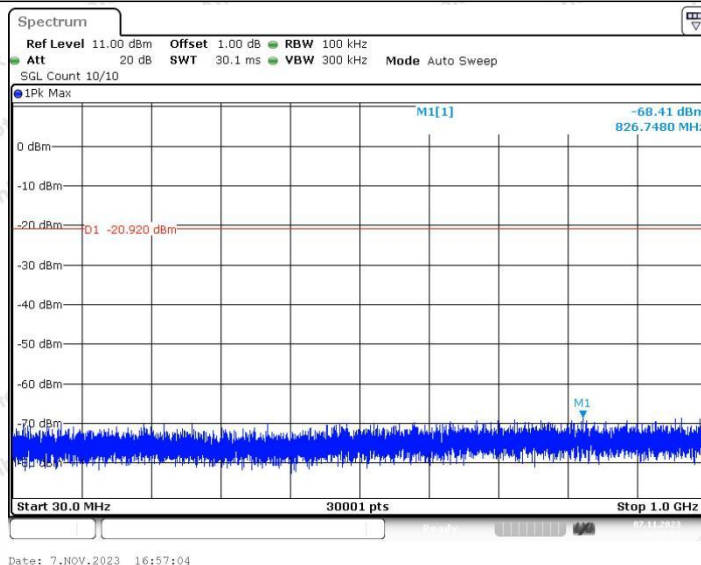




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

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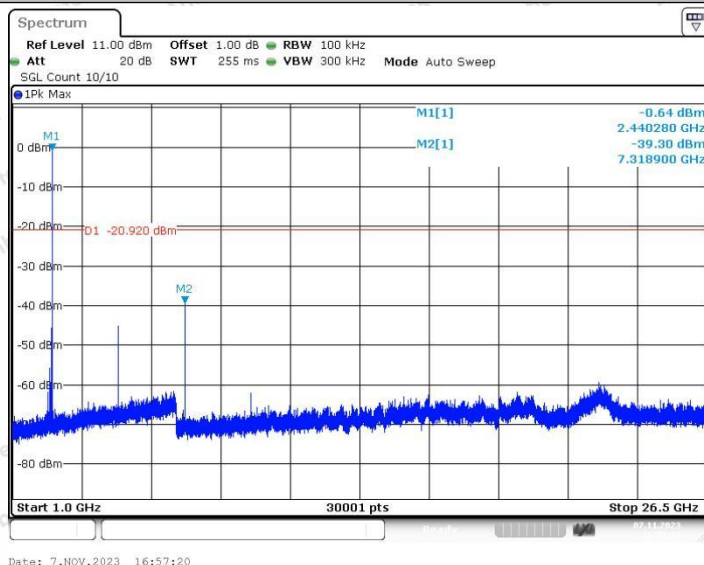
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

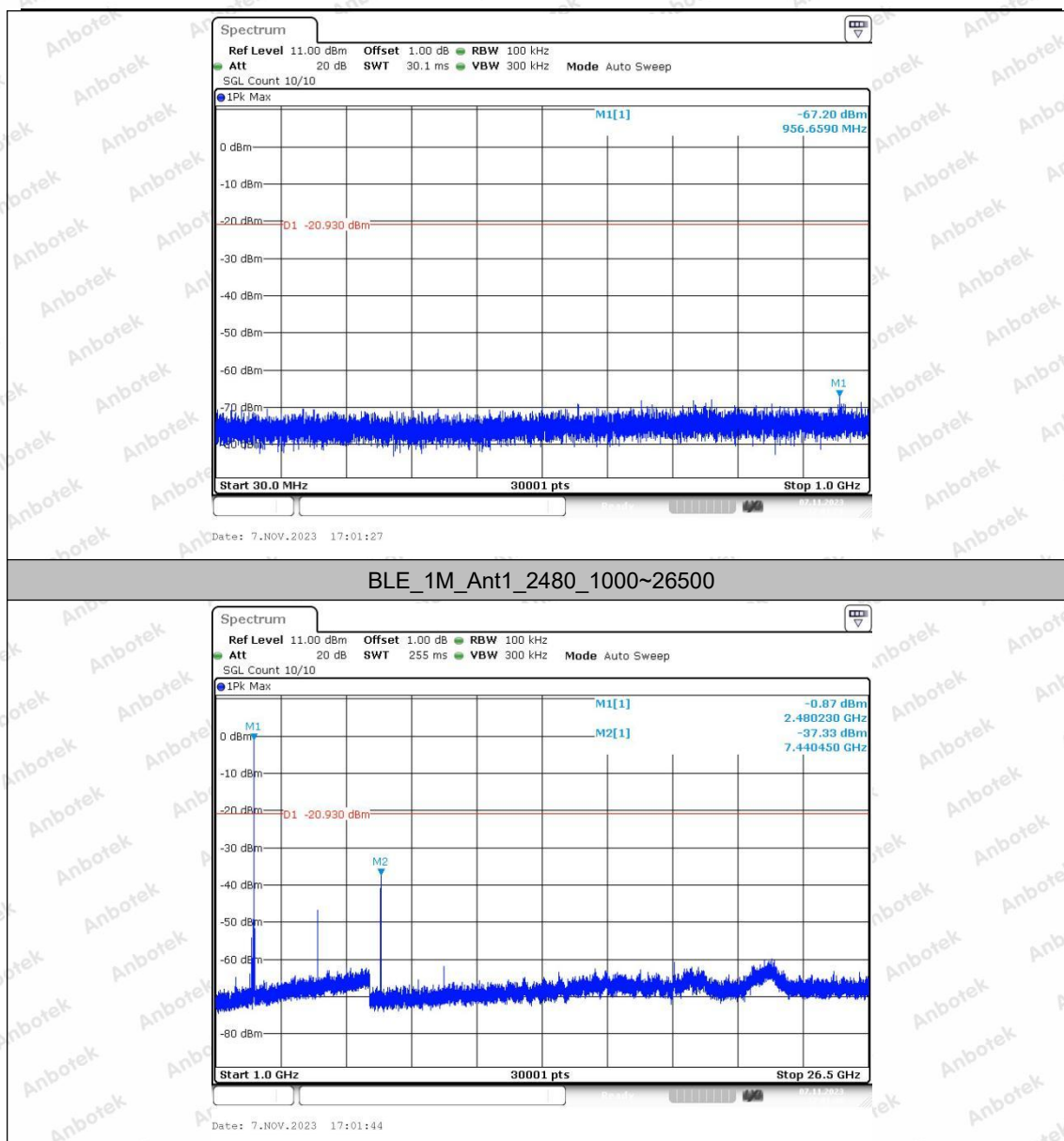
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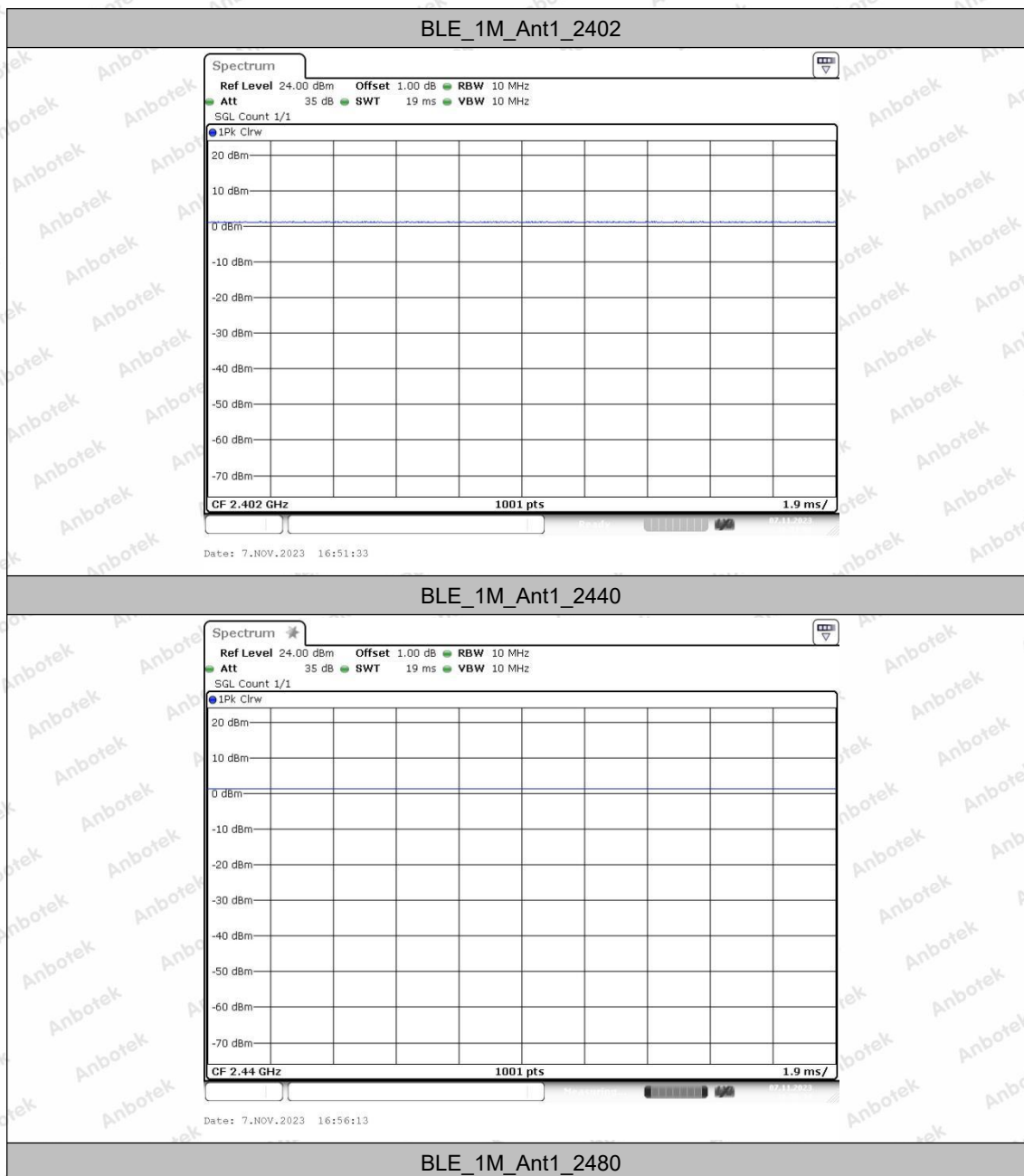
Appendix G: Duty Cycle

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



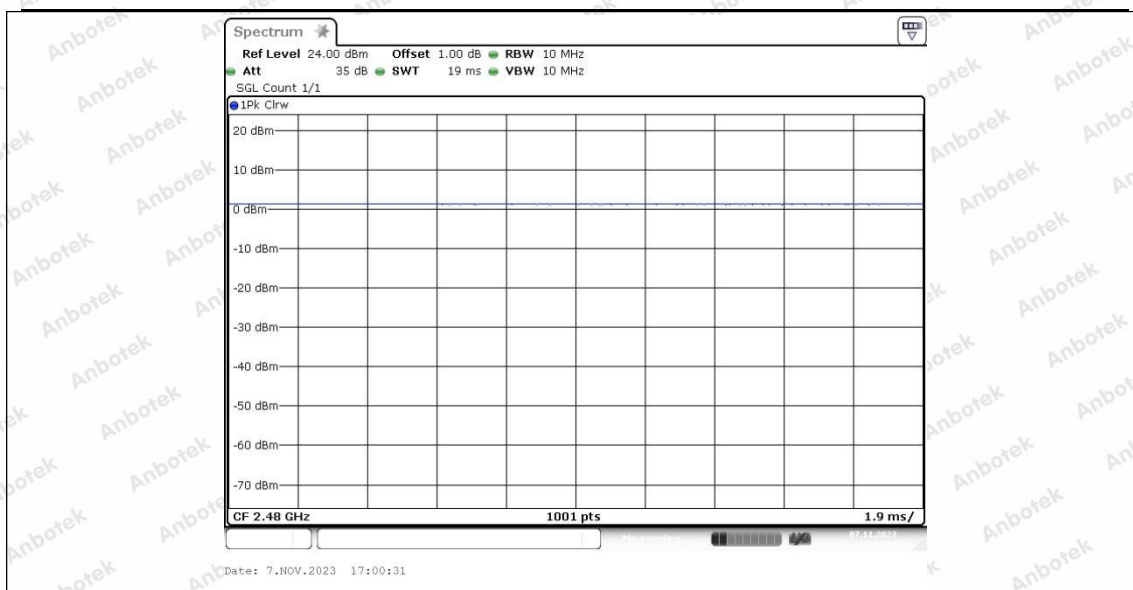
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