

Appendix Test Data

Report No.:	18220WC30228601	Test Sample No.:	1-2-2
Start Test Date:	2023.11.01	Finish Test Date:	2023.11.02
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.7°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

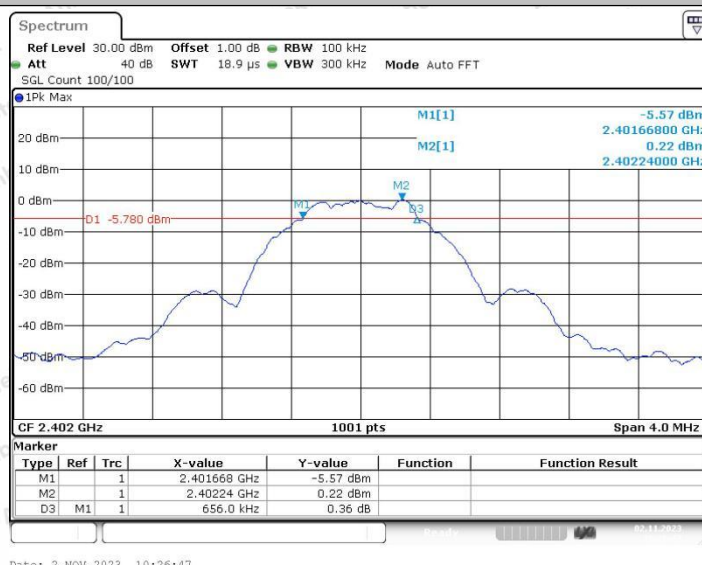
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.67	2402.32	0.5	PASS
		2440	0.70	2439.64	2440.34	0.5	PASS
		2480	0.67	2479.66	2480.34	0.5	PASS

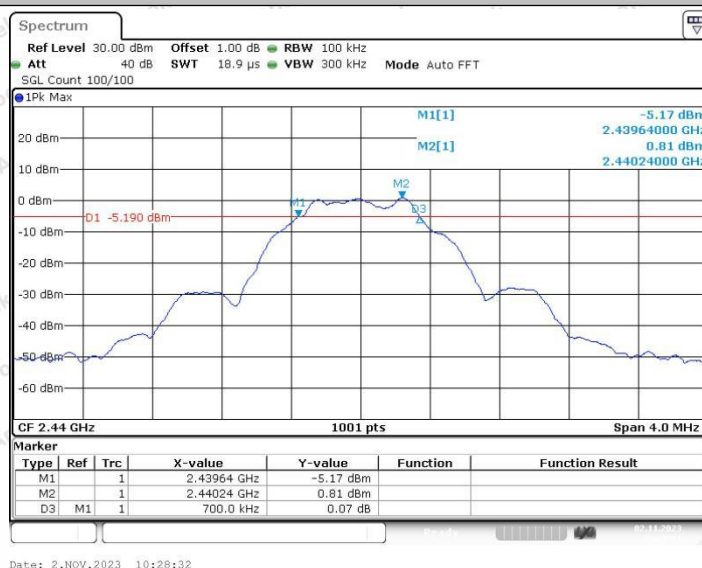


Test Graphs

BLE_1M_Ant1_2402

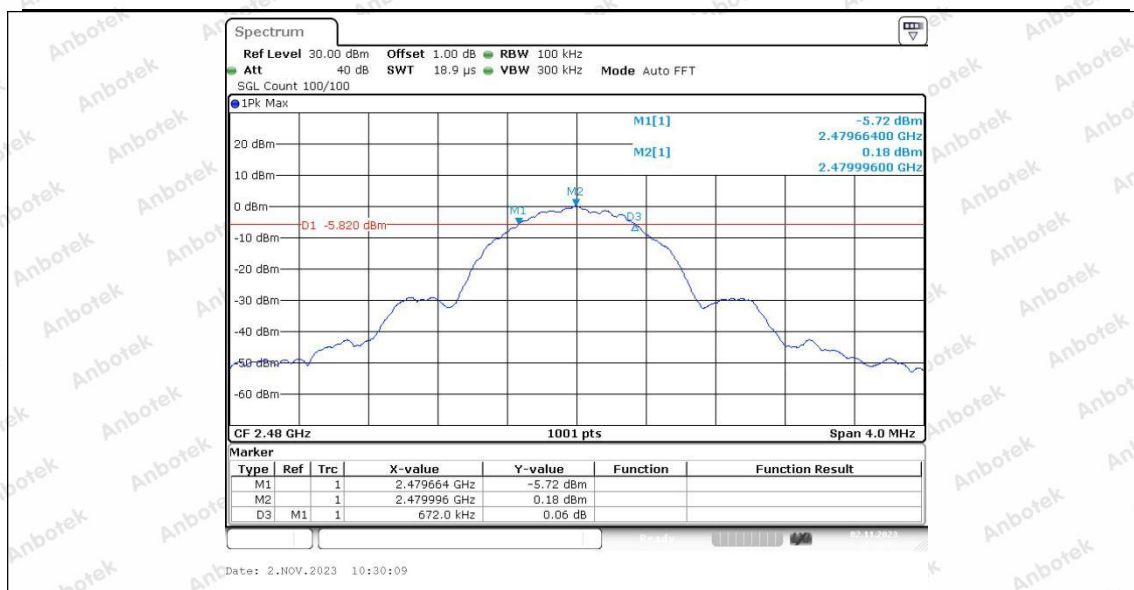


BLE_1M_Ant1_2440



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	1.027	2401.4965	2402.5235
		2440	1.027	2439.4965	2440.5235
		2480	1.019	2479.4925	2480.5115



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

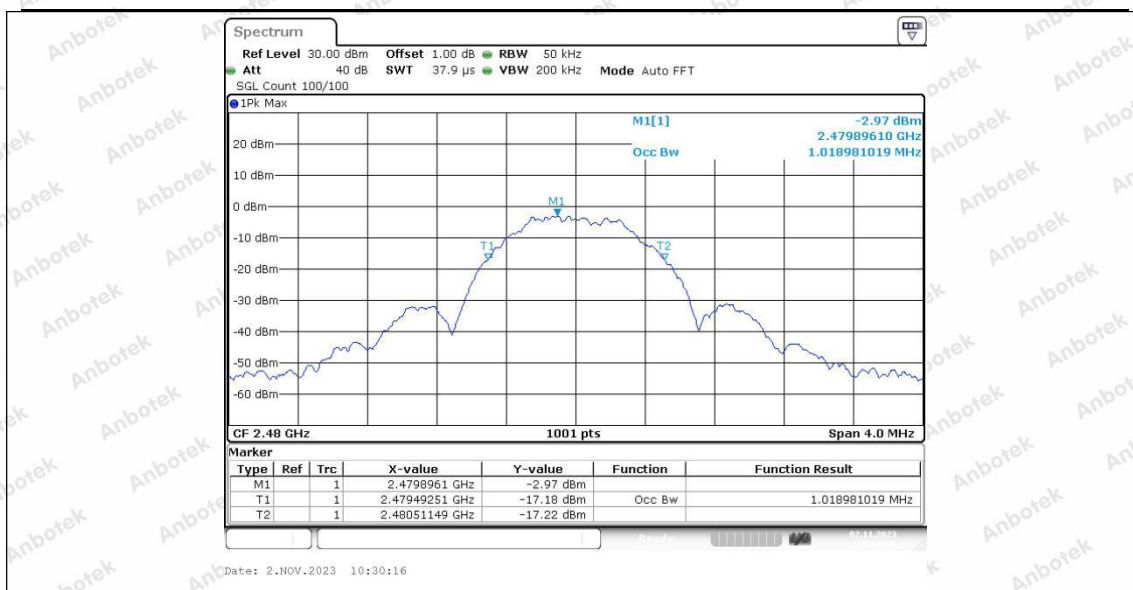
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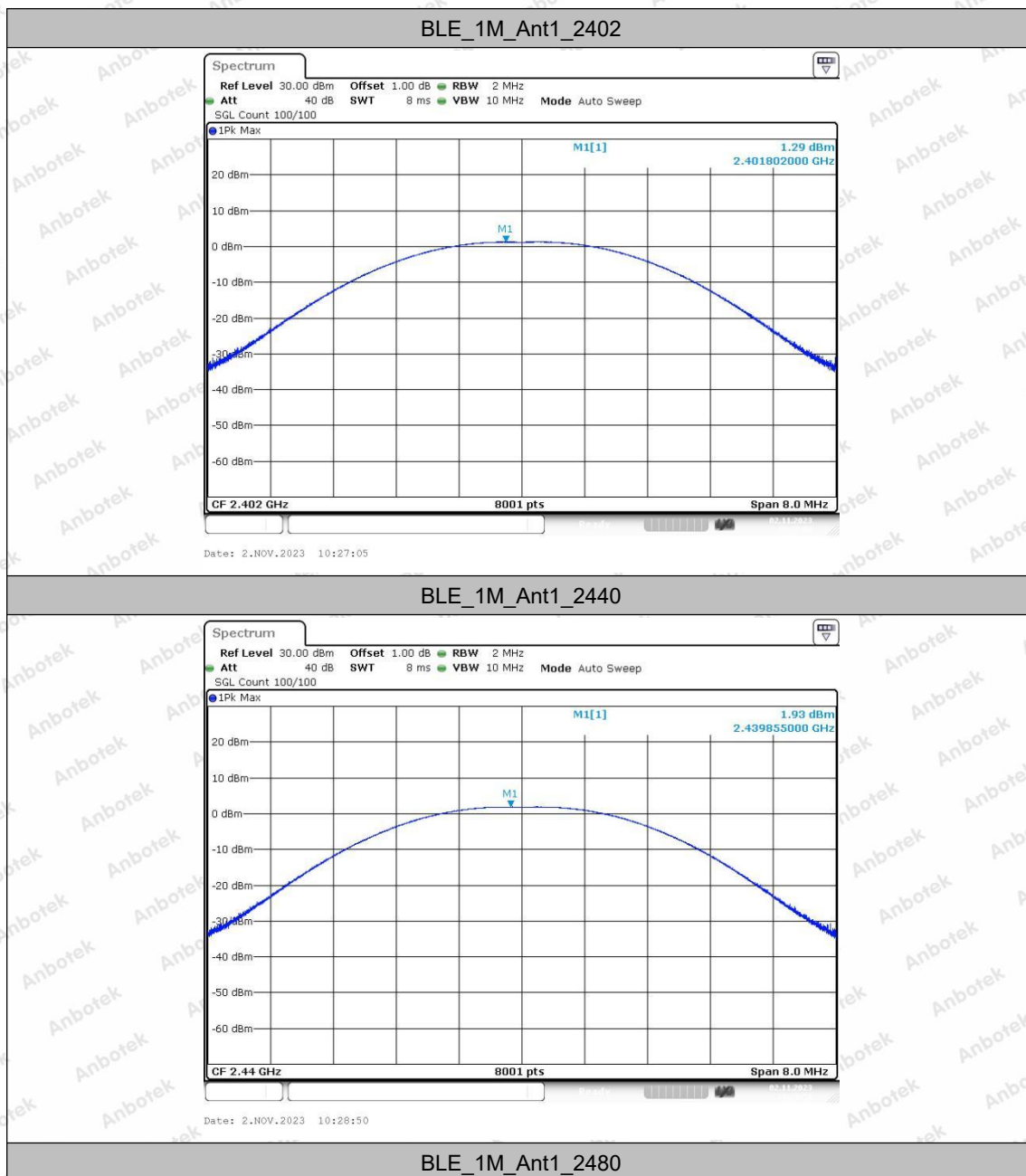
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.29	≤30	PASS
		2440	1.93	≤30	PASS
		2480	1.12	≤30	PASS



Test Graphs Peak



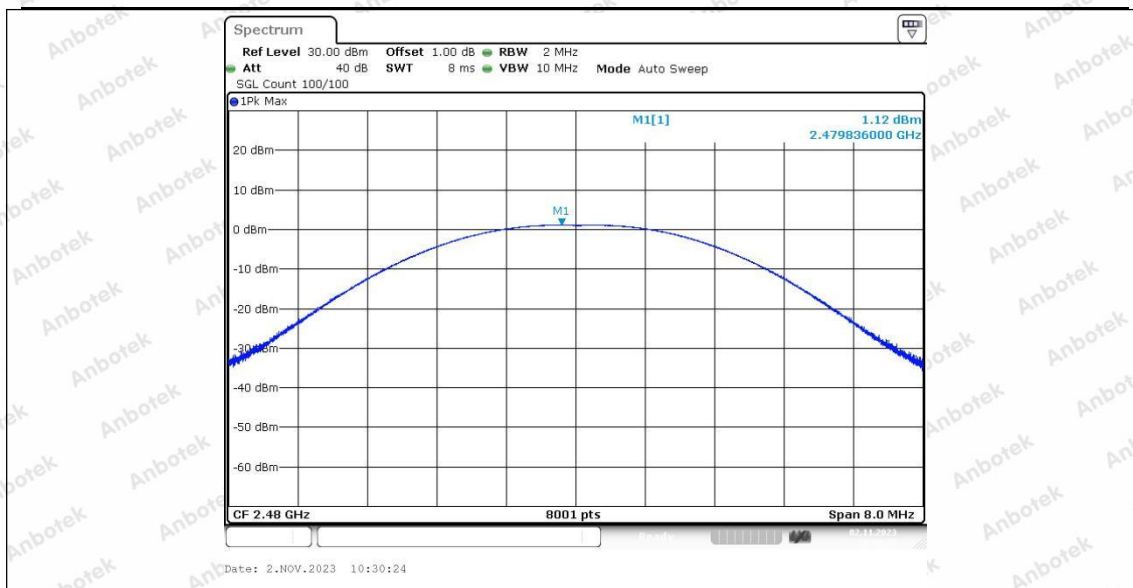
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Appendix D: Maximum power spectral density

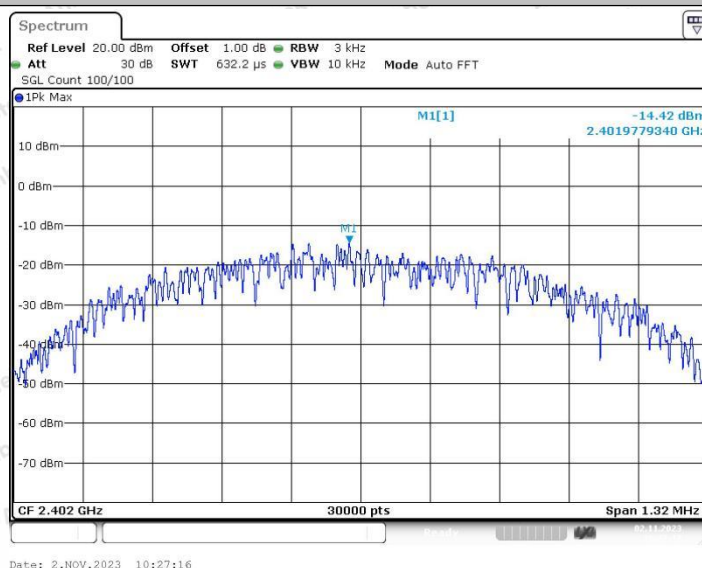
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.42	≤8.00	PASS
		2440	-13.80	≤8.00	PASS
		2480	-14.62	≤8.00	PASS

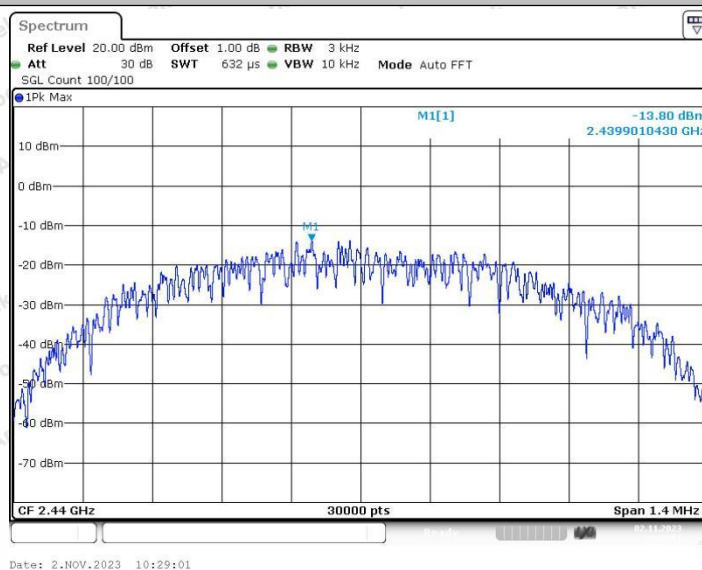


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

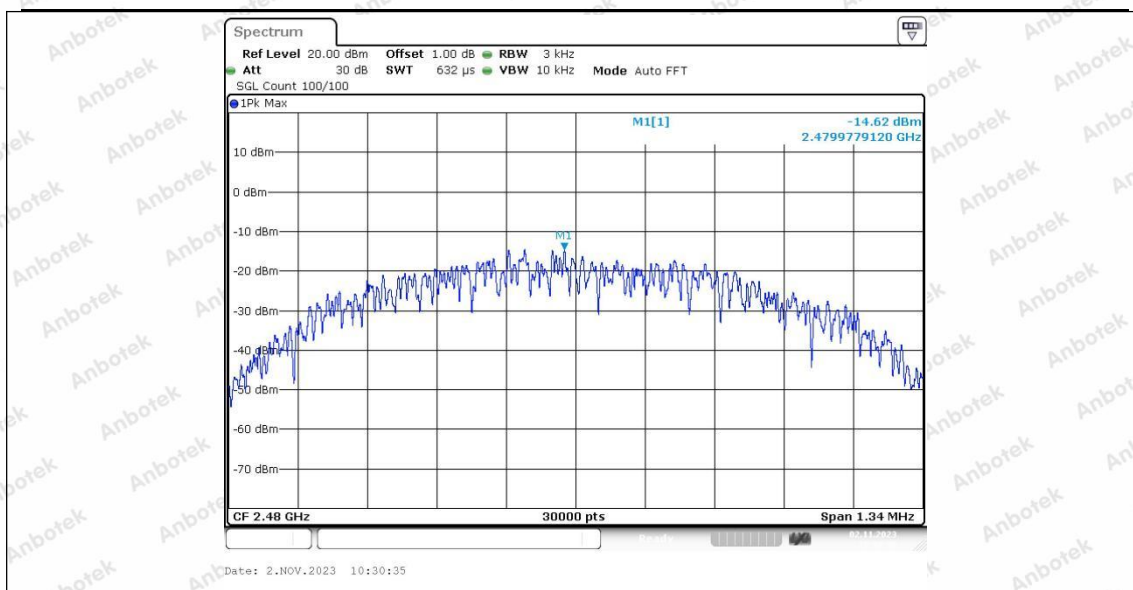
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.10	-57.9	≤-19.9	PASS
		High	2480	0.17	-56.9	≤-19.83	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	0.41	0.41	---	PASS
			30~1000	0.41	-68.18	≤-19.59	PASS
			1000~26500	0.41	-60.15	≤-19.59	PASS
		2440	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-68.75	≤-19.1	PASS
			1000~26500	0.90	-58.92	≤-19.1	PASS
		2480	Reference	0.20	0.20	---	PASS
			30~1000	0.20	-68.46	≤-19.8	PASS
			1000~26500	0.20	-60.47	≤-19.8	PASS



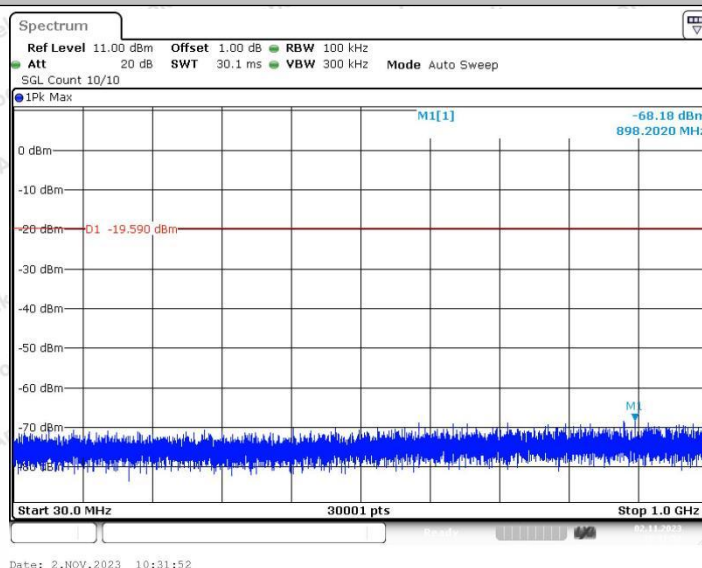
Test Graphs

BLE_1M_Ant1_2402_0~Reference



Date: 2.NOV.2023 10:31:46

BLE_1M_Ant1_2402_30~1000



Date: 2.NOV.2023 10:31:52

BLE_1M_Ant1_2402_1000~26500

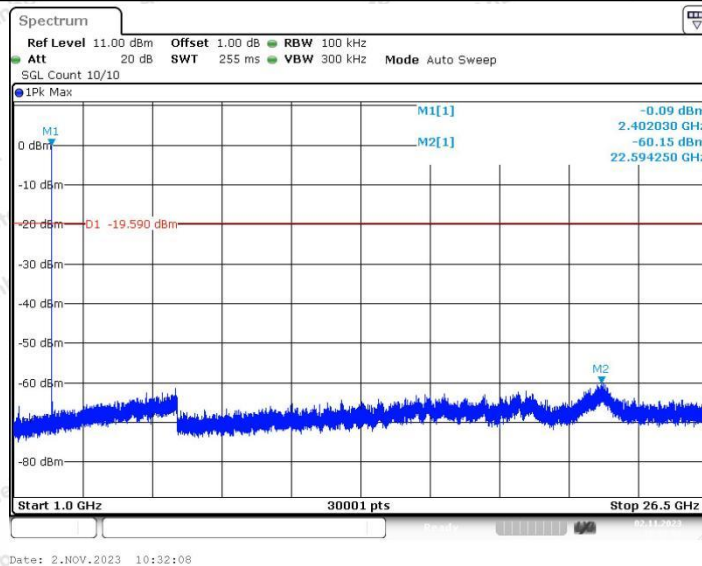
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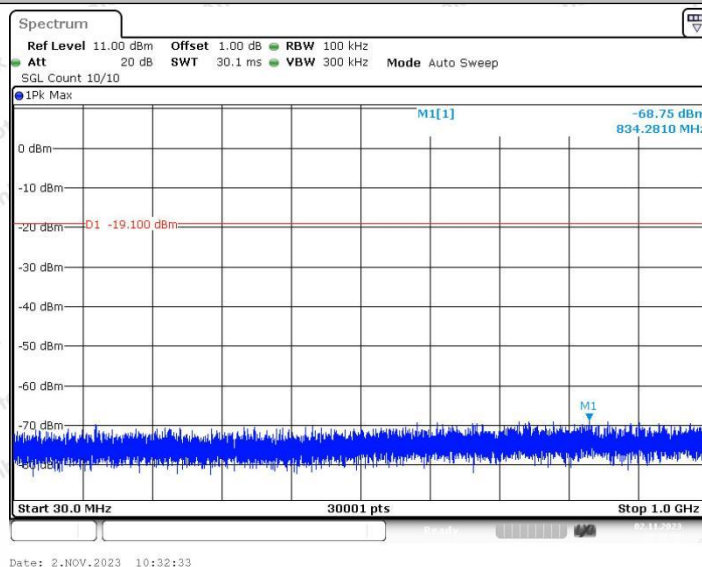




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

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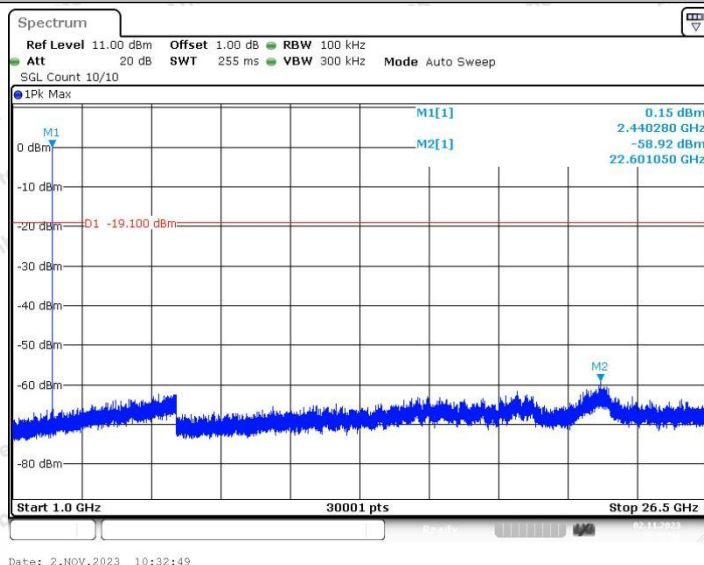
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

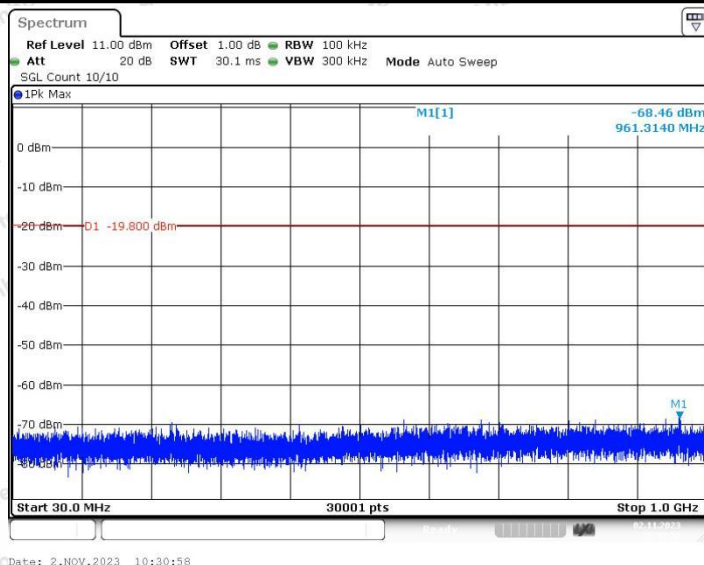
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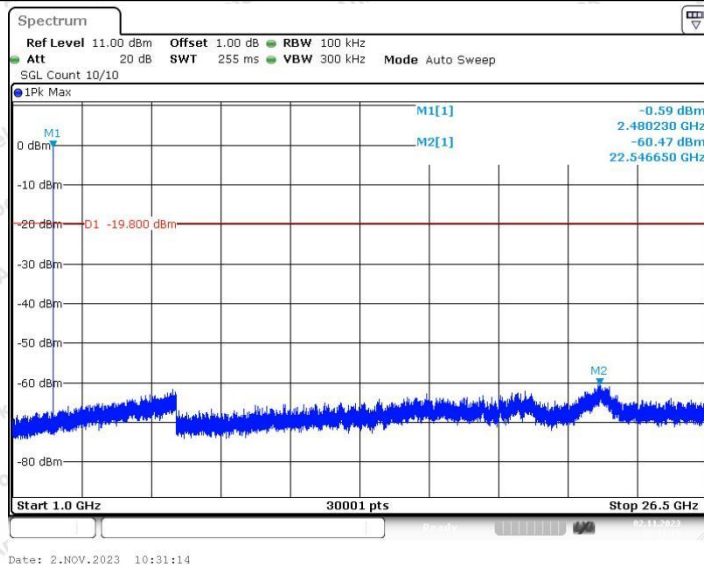


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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

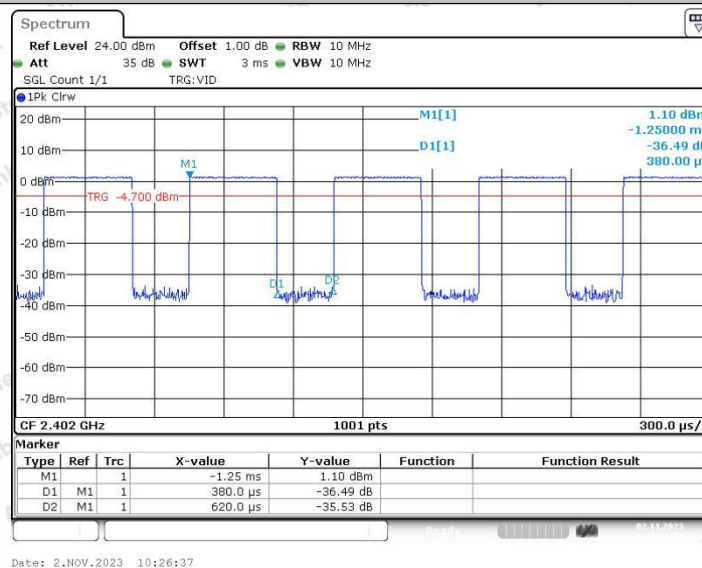
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.62	61.29	2.13

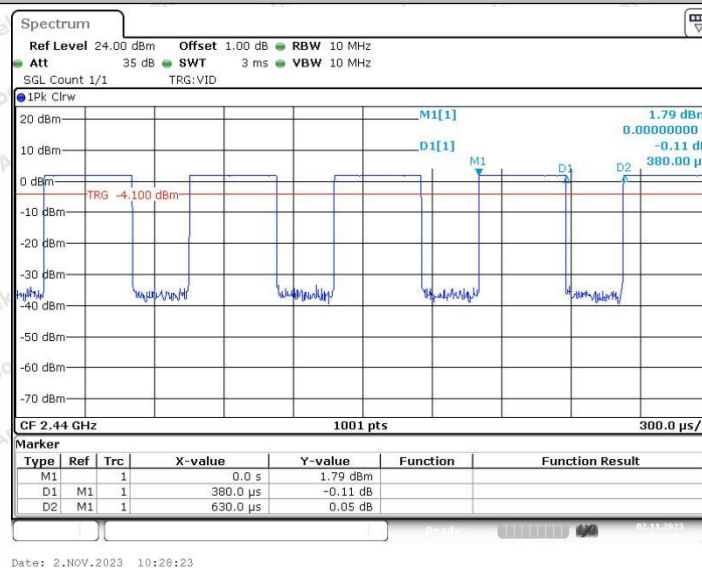


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

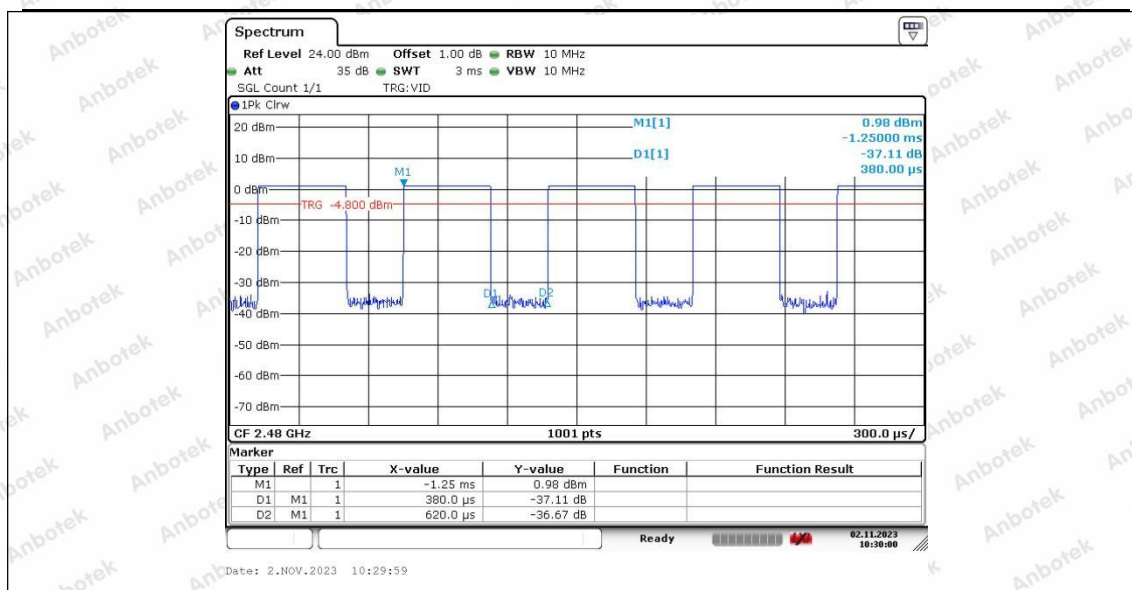
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