

Appendix Test Data

Report No.:	18220WC30203701	Test Sample No.:	1-2-2
Start Test Date:	2023.10.08	Finish Test Date:	2023.10.13
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25..6°C	Relative Humidity:	48.5%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

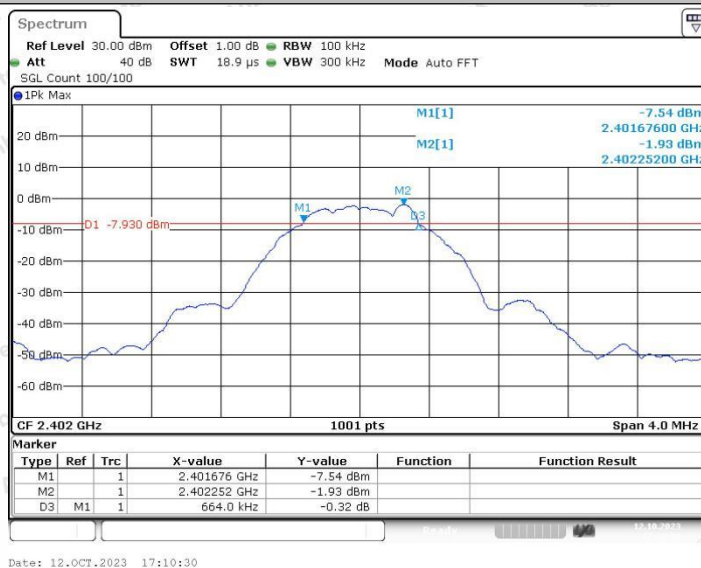
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.68	2402.34	0.5	PASS
		2440	0.69	2439.68	2440.37	0.5	PASS
		2480	0.74	2479.66	2480.40	0.5	PASS

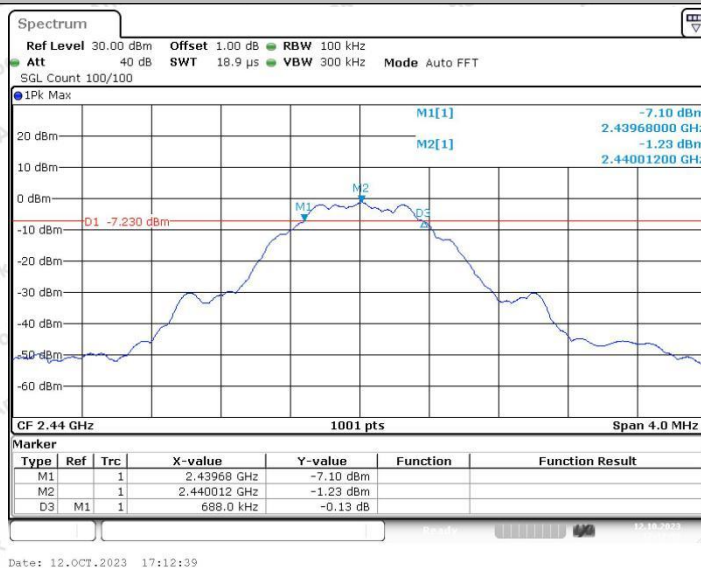


Test Graphs

BLE_1M_Ant1_2402

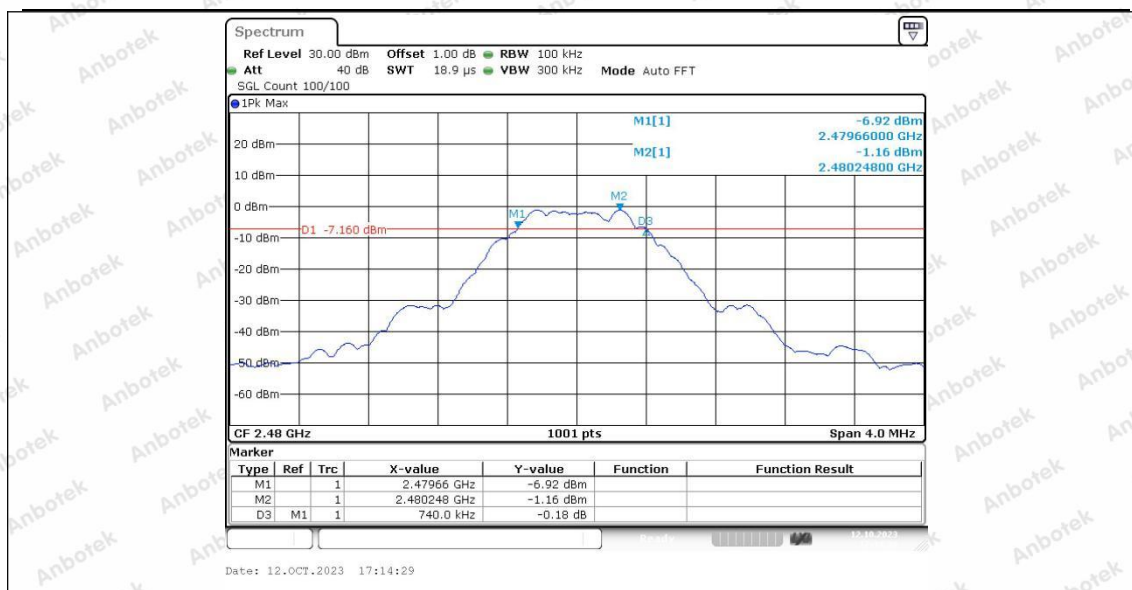


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

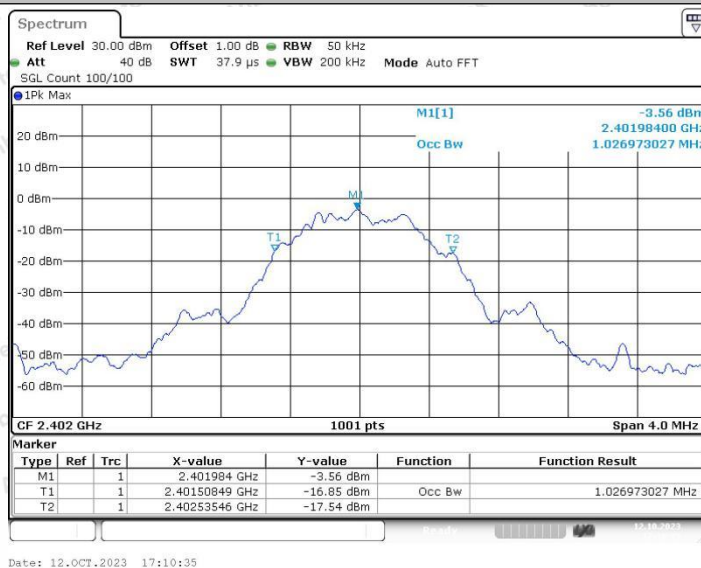
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.027	2401.5085	2402.5355
		2440	1.055	2439.4925	2440.5475
		2480	1.043	2479.4925	2480.5355



Test Graphs

BLE_1M_Ant1_2402

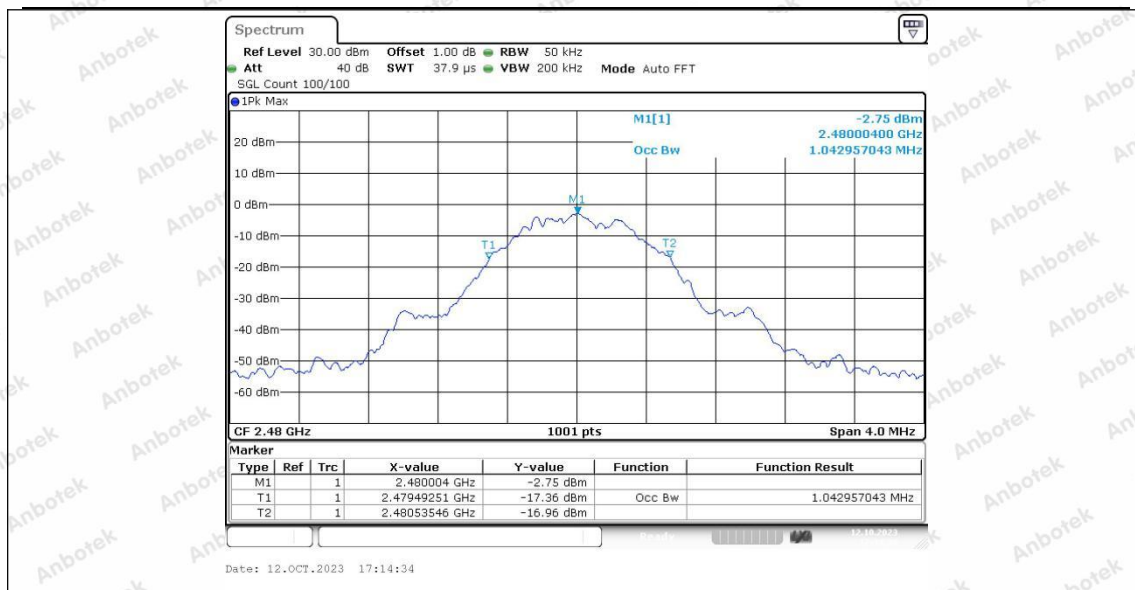


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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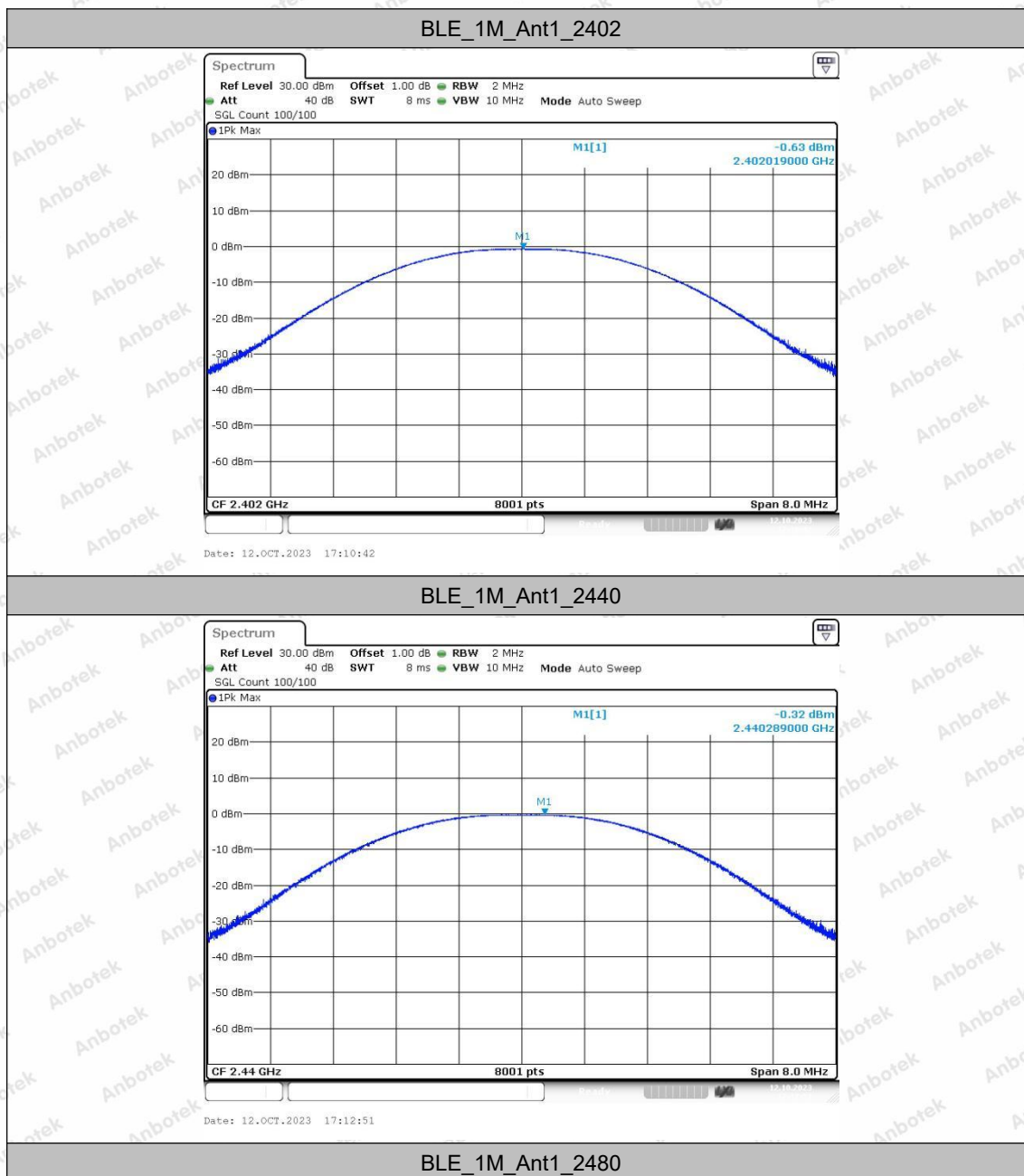
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.63	≤30	PASS
		2440	-0.32	≤30	PASS
		2480	0.20	≤30	PASS



Test Graphs Peak



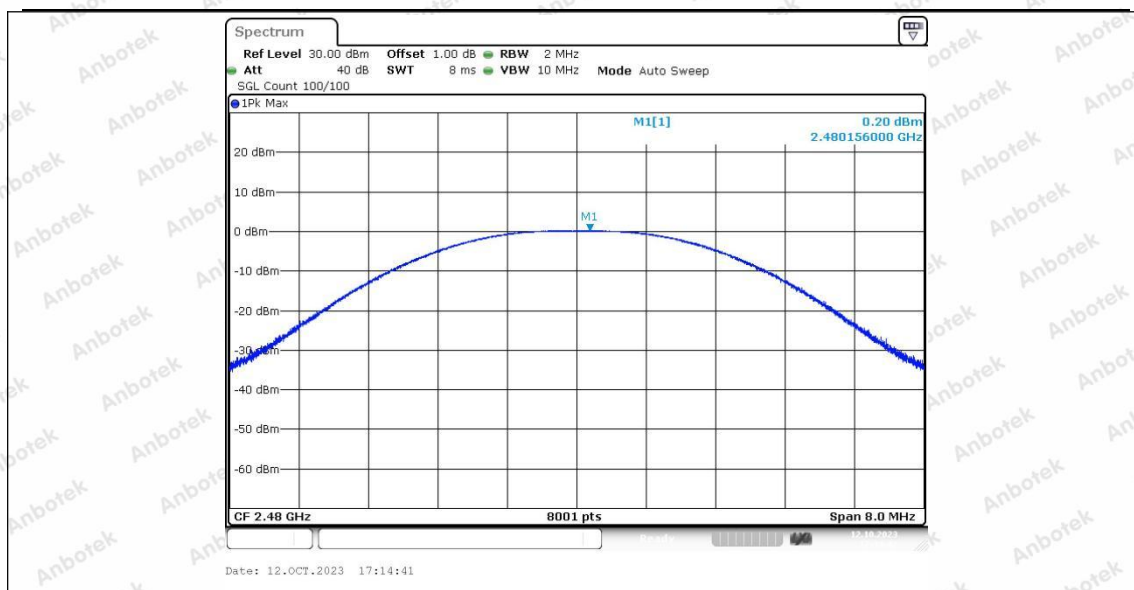
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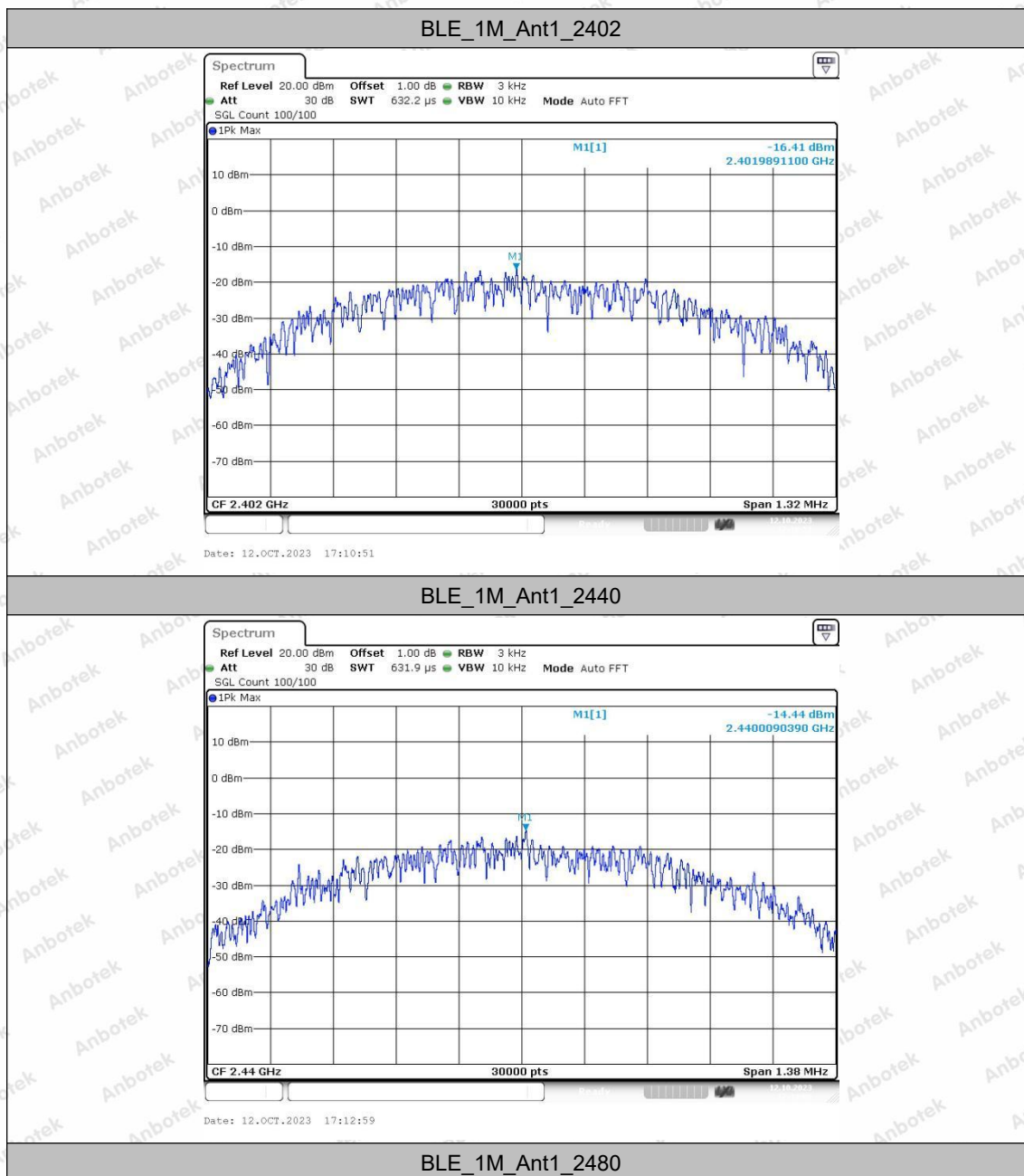
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.41	≤8.00	PASS
		2440	-14.44	≤8.00	PASS
		2480	-14.46	≤8.00	PASS



Test Graphs



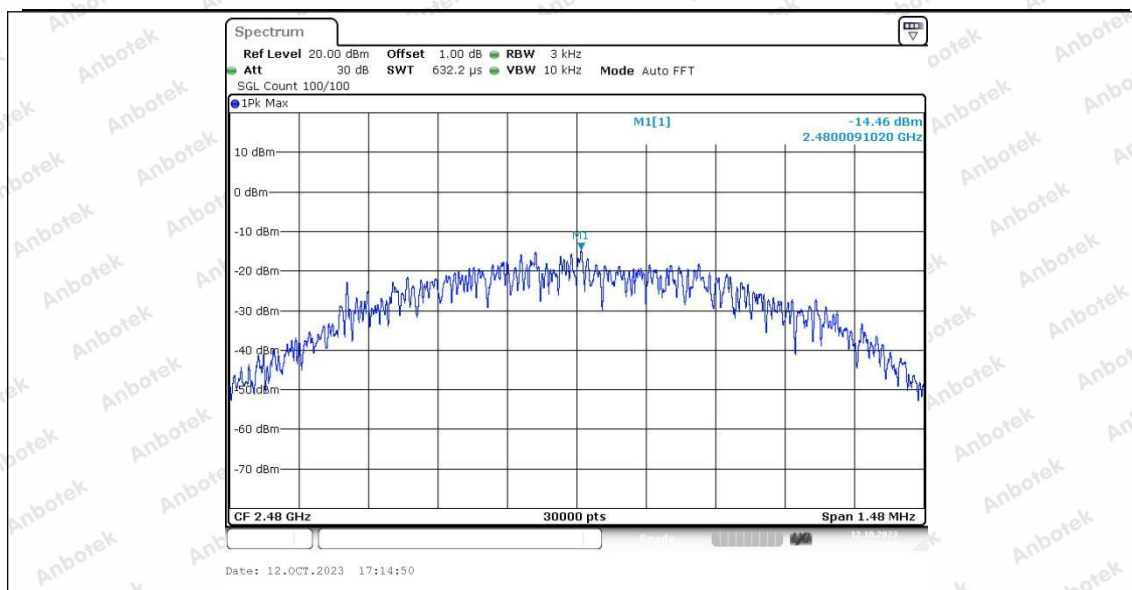
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.63	-49.34	≤-22.63	PASS
		High	2480	-0.66	-56.91	≤-20.66	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	-2.81	-2.81	---	PASS
			30~1000	-2.81	-69.19	≤-22.81	PASS
			1000~26500	-2.81	-59.79	≤-22.81	PASS
		2440	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-69.01	≤-22.51	PASS
			1000~26500	-2.51	-55.69	≤-22.51	PASS
		2480	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-68.93	≤-22.19	PASS
			1000~26500	-2.19	-55.15	≤-22.19	PASS

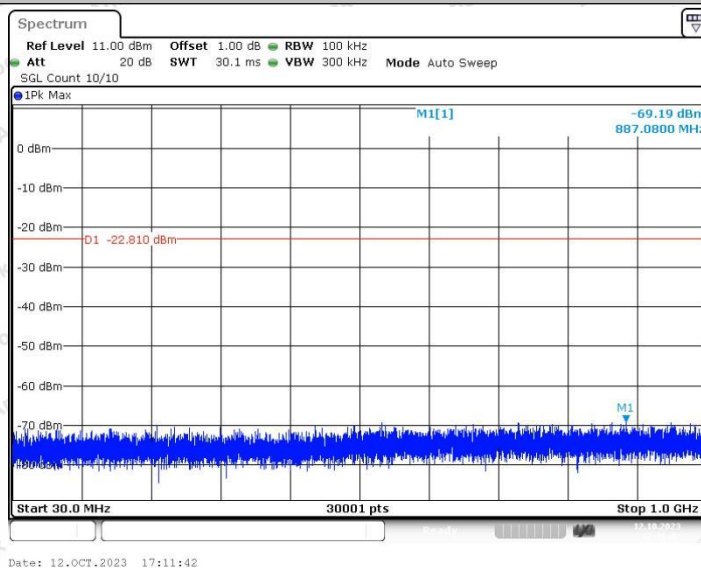


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

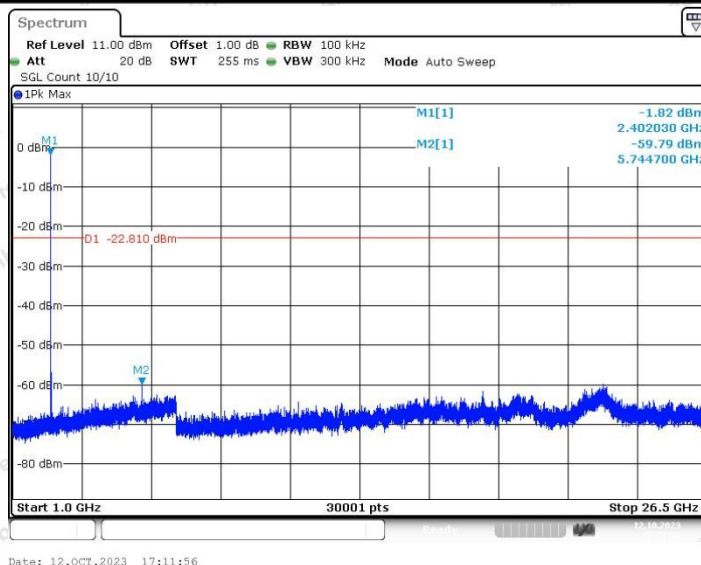
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

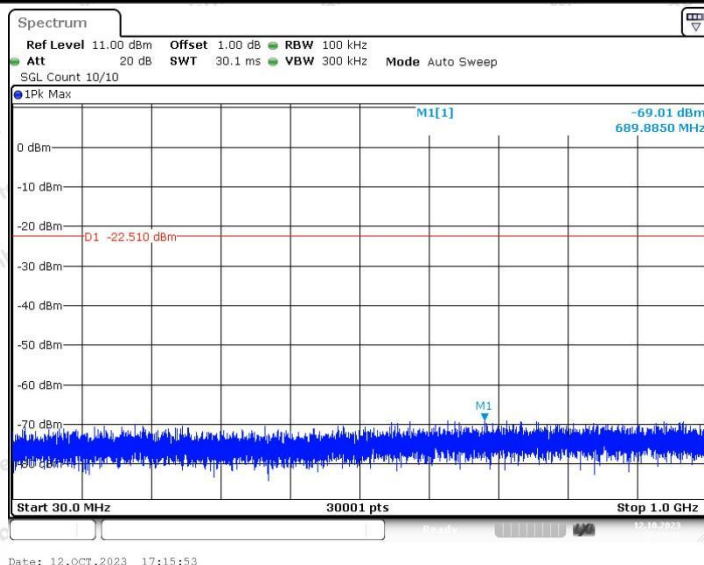
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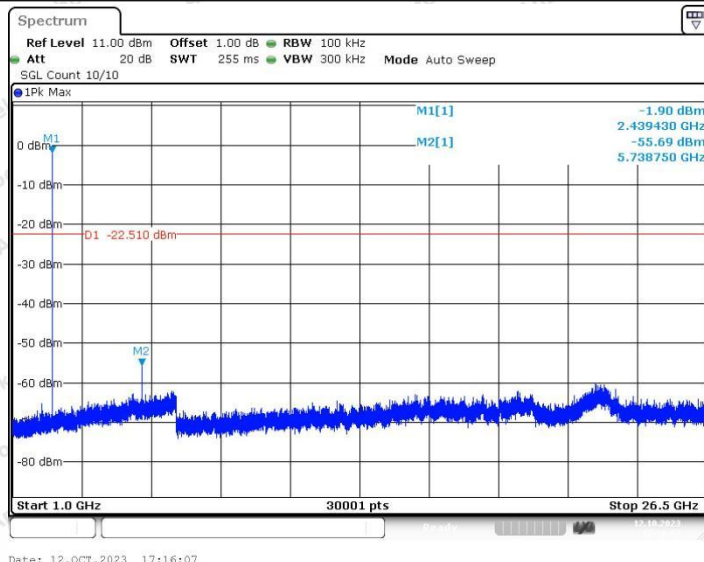


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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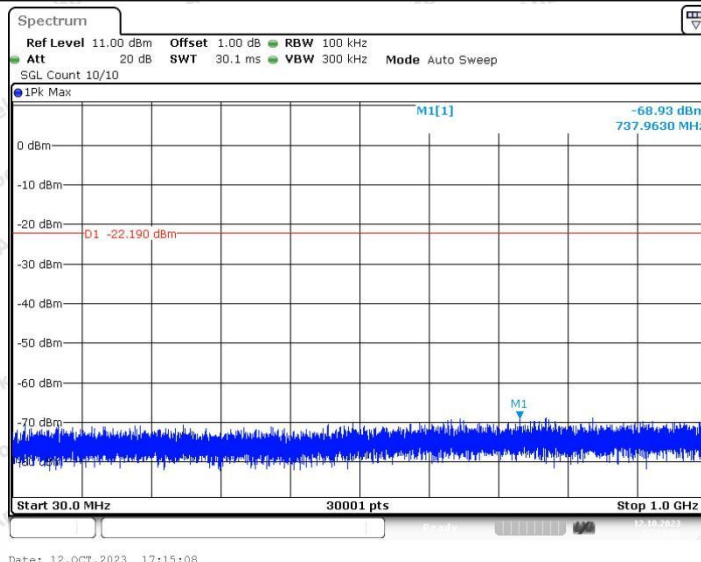


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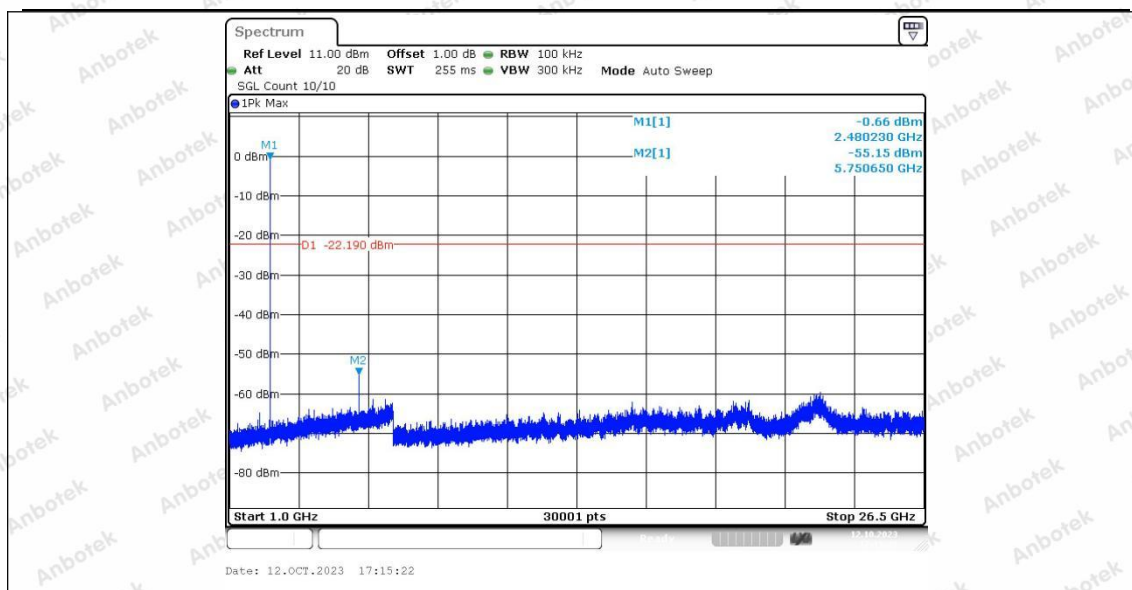


BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

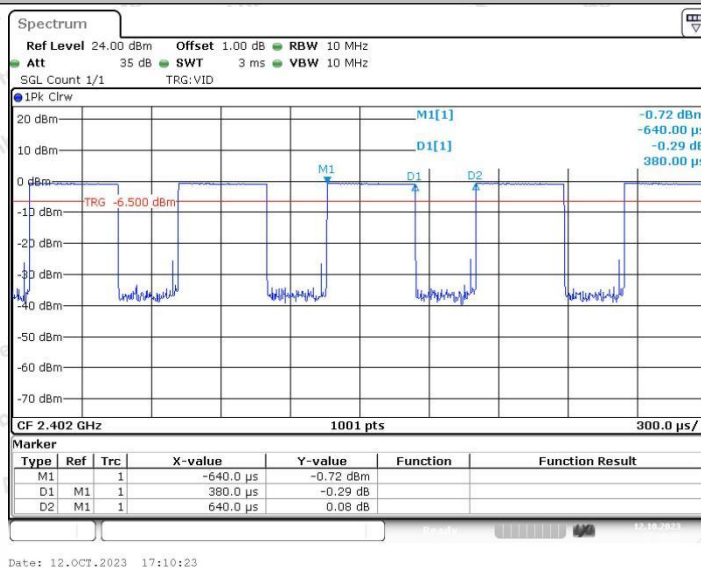
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.64	59.38	2.26
		2440	0.38	0.64	59.38	2.26
		2480	0.38	0.64	59.38	2.26

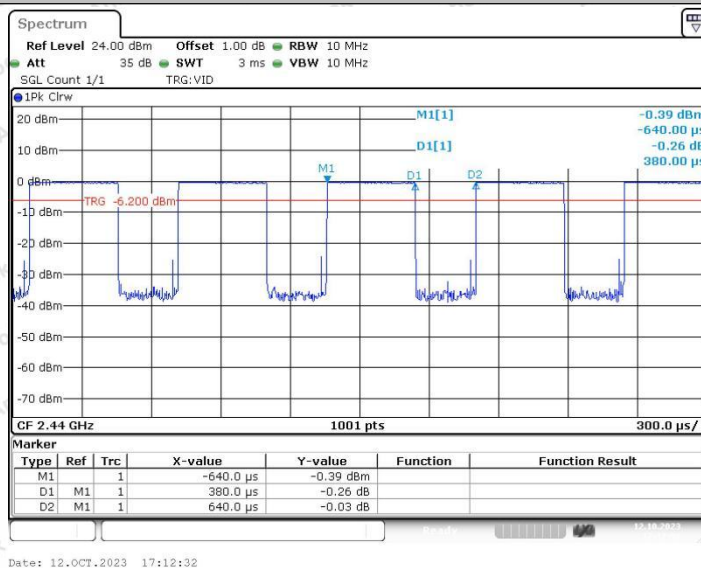


Test Graphs

BLE_1M_Ant1_2402

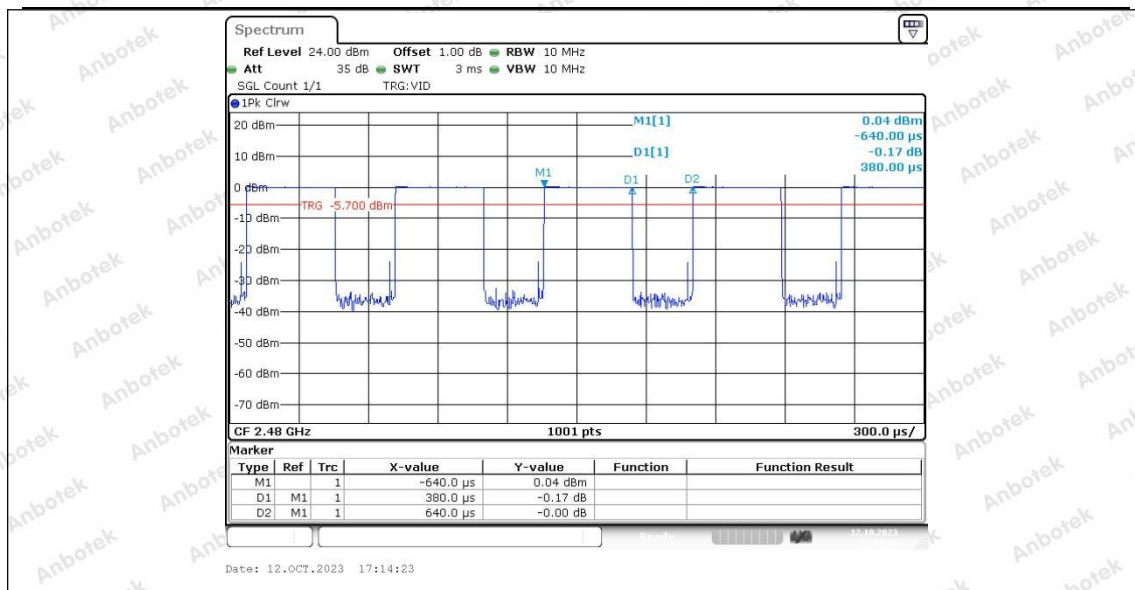


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





---End---

