



Appendix A: DTS Bandwidth

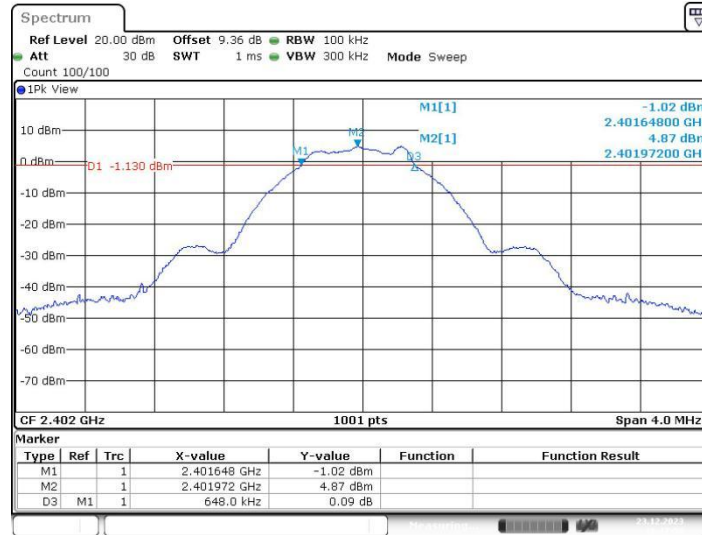
Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.65	2402.30	0.5	PASS
		2440	0.65	2439.65	2440.30	0.5	PASS
		2480	0.65	2479.64	2480.30	0.5	PASS

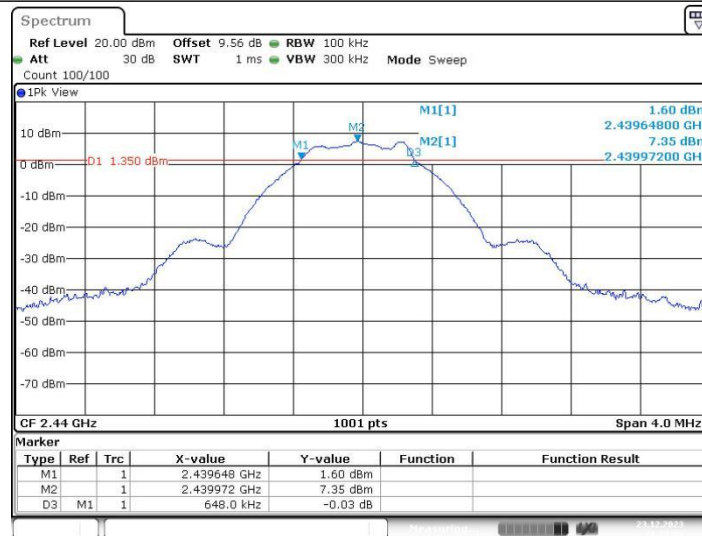


Test Graphs

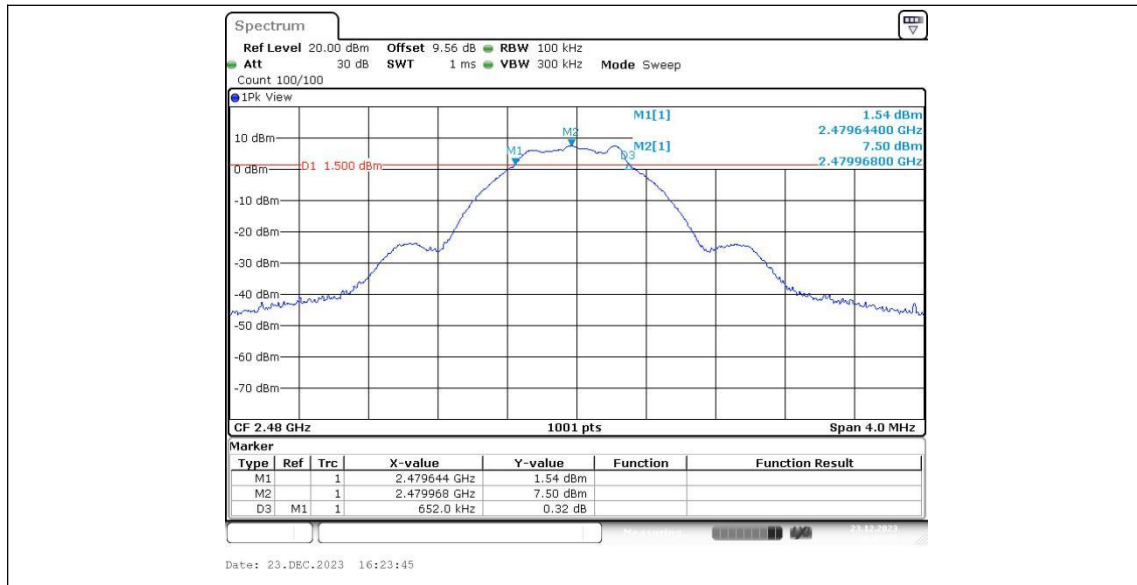
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Appendix B: Occupied Channel Bandwidth

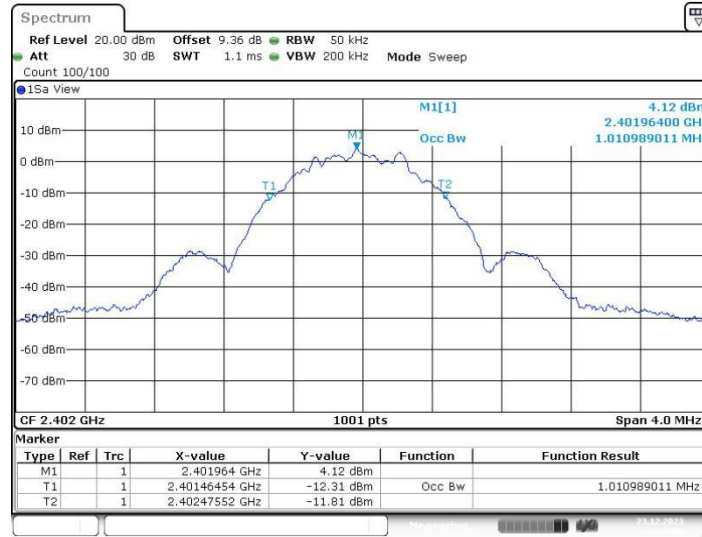
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.011	2401.4645	2402.4755	---	---
		2440	1.011	2439.4645	2440.4755	---	---
		2480	1.015	2479.4605	2480.4755	---	---

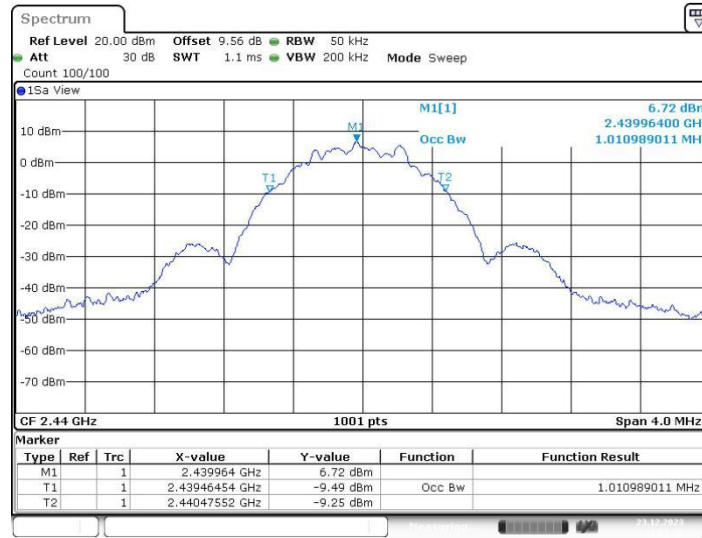


Test Graphs

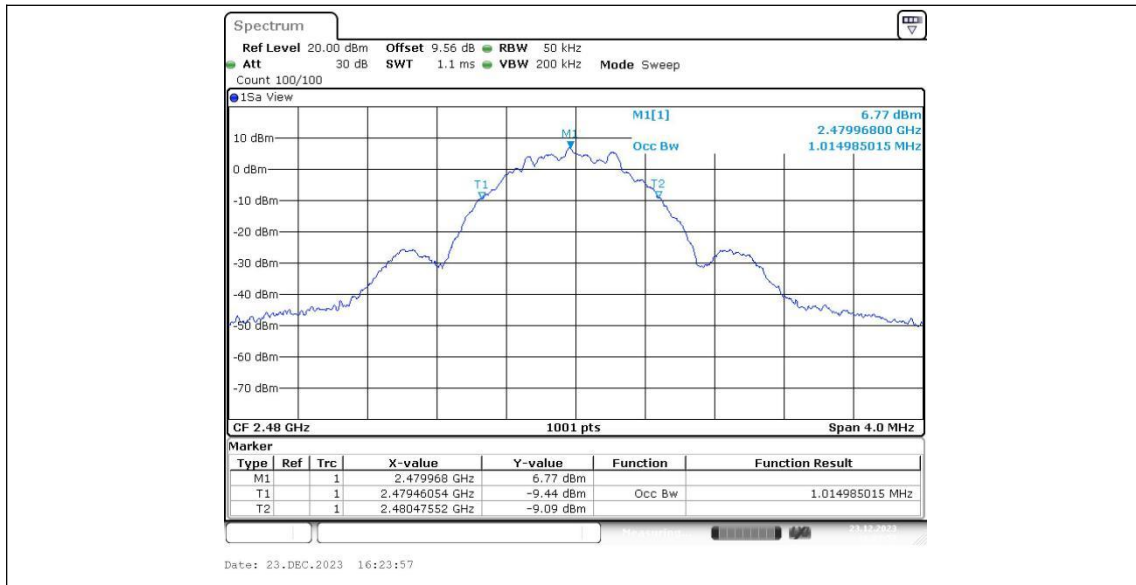
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	5.22	≤30	3.04	8.26	≤36	PASS
		2440	7.76	≤30	3.04	10.80	≤36	PASS
		2480	7.93	≤30	3.04	10.97	≤36	PASS

Test Result Average

Test Mode	Antenna	Freq (MHz)	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	5.18	≤30.00	3.04	8.22	≤36.00	PASS
		2440	5.34	≤30.00	3.04	8.38	≤36.00	PASS
		2480	5.44	≤30.00	3.04	8.48	≤36.00	PASS



Appendix D: Maximum power spectral density

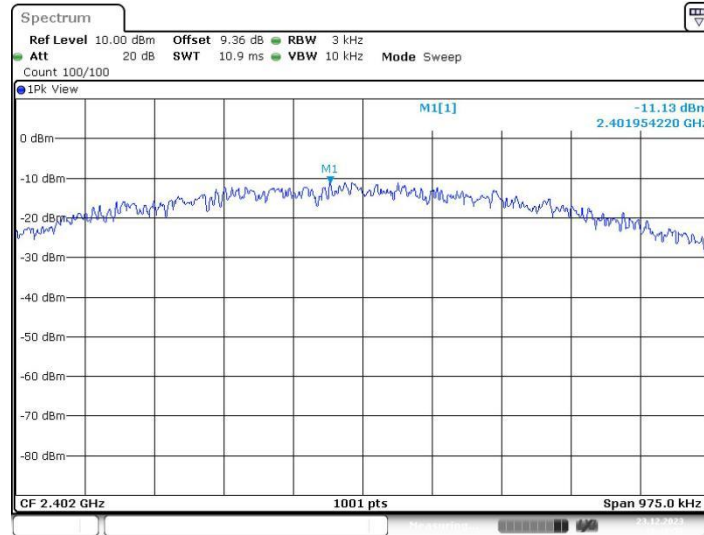
Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.13	≤8.00	PASS
		2440	-8.62	≤8.00	PASS
		2480	-8.42	≤8.00	PASS



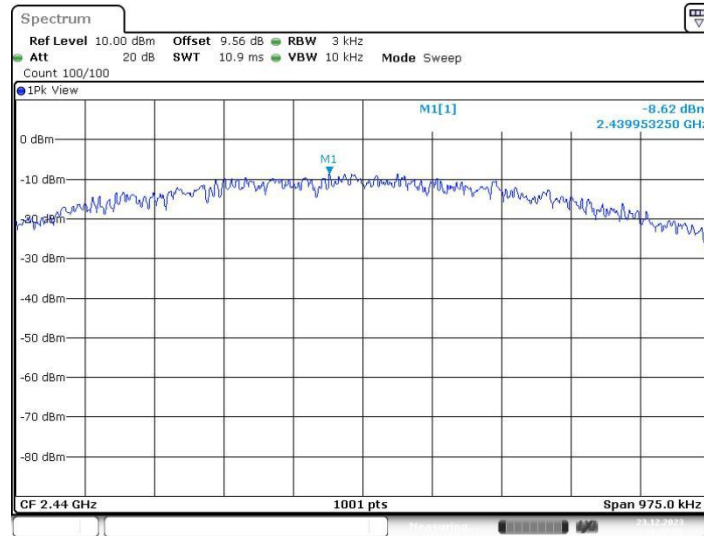
Test Graphs

BLE_1M_Ant1_2402



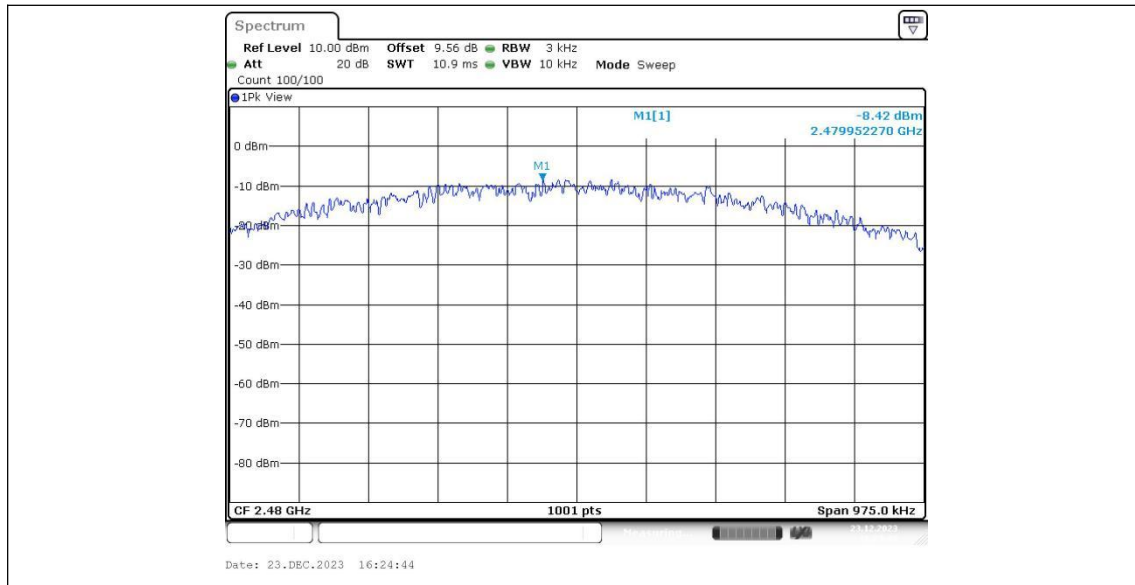
Date: 23.DEC.2023 16:18:54

BLE_1M_Ant1_2440



Date: 23.DEC.2023 16:22:30

BLE_1M_Ant1_2480





ppendix E: Reference level measurement

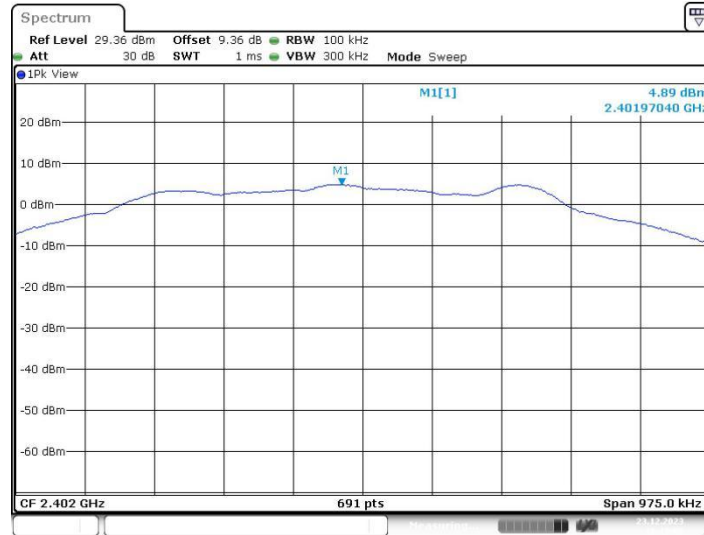
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.97	4.89
		2440	2439.96	7.53
		2480	2479.97	7.66

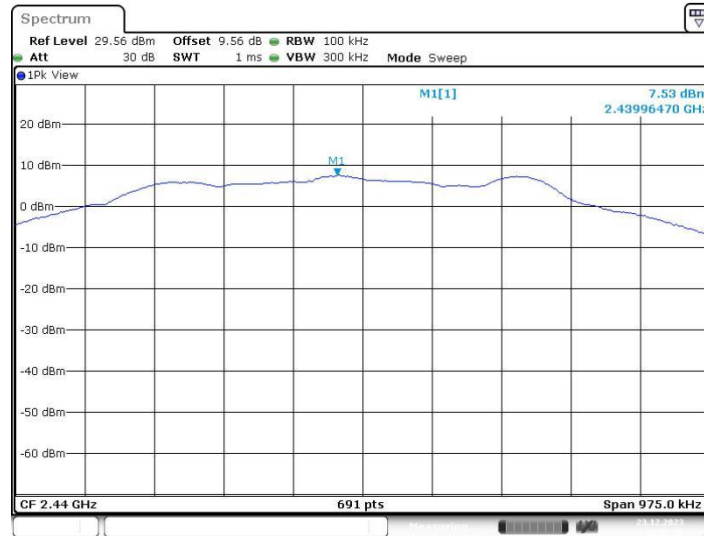


Test Graphs

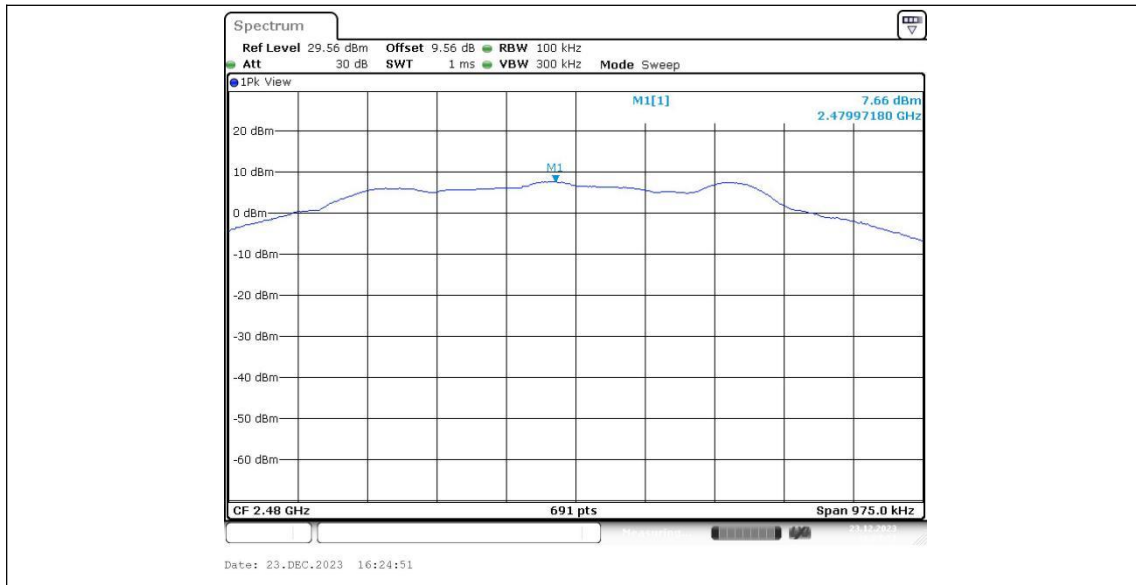
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





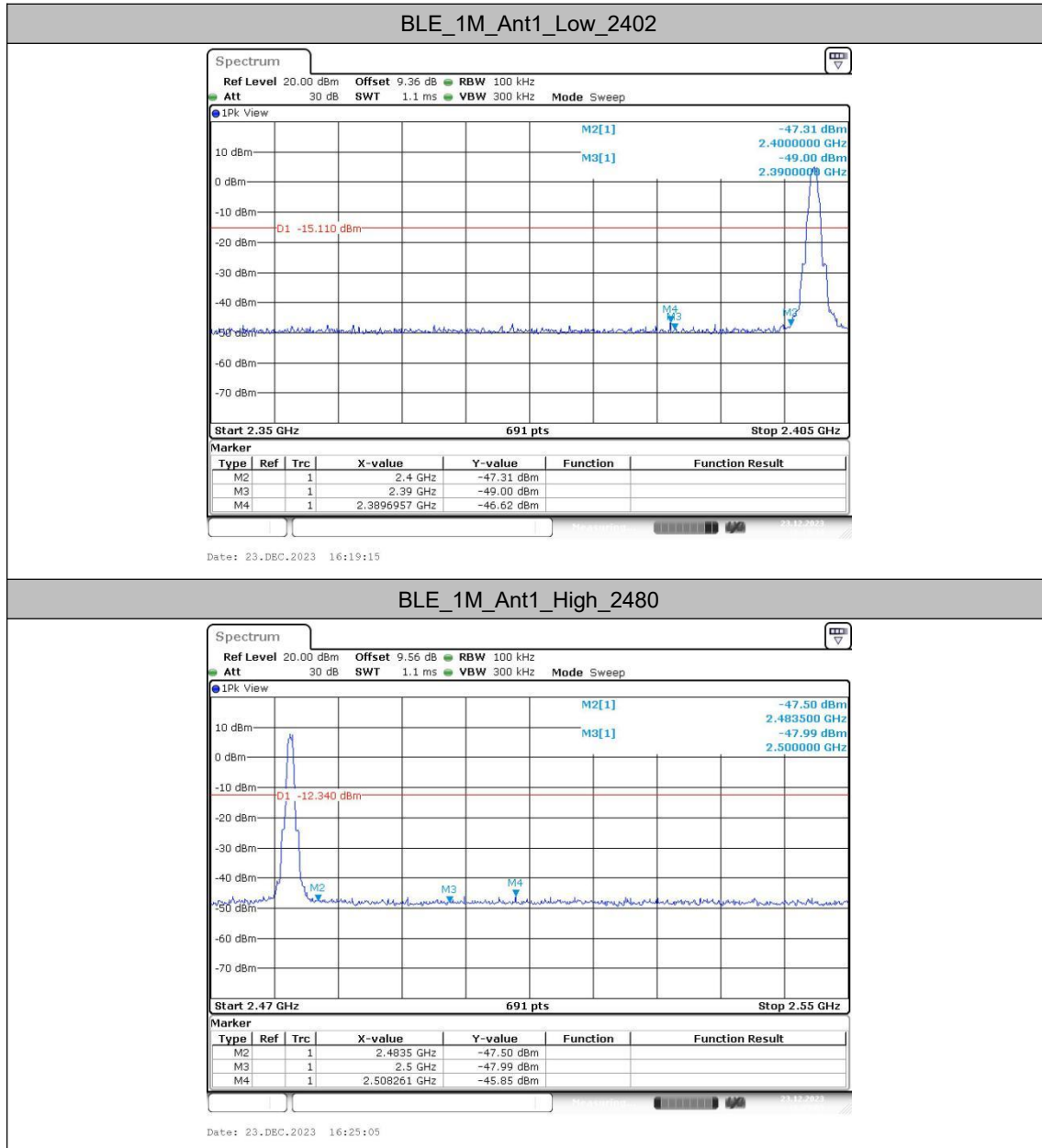
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.89	-46.62	≤-15.11	PASS
		High	2480	7.66	-45.85	≤-12.34	PASS



Test Graphs





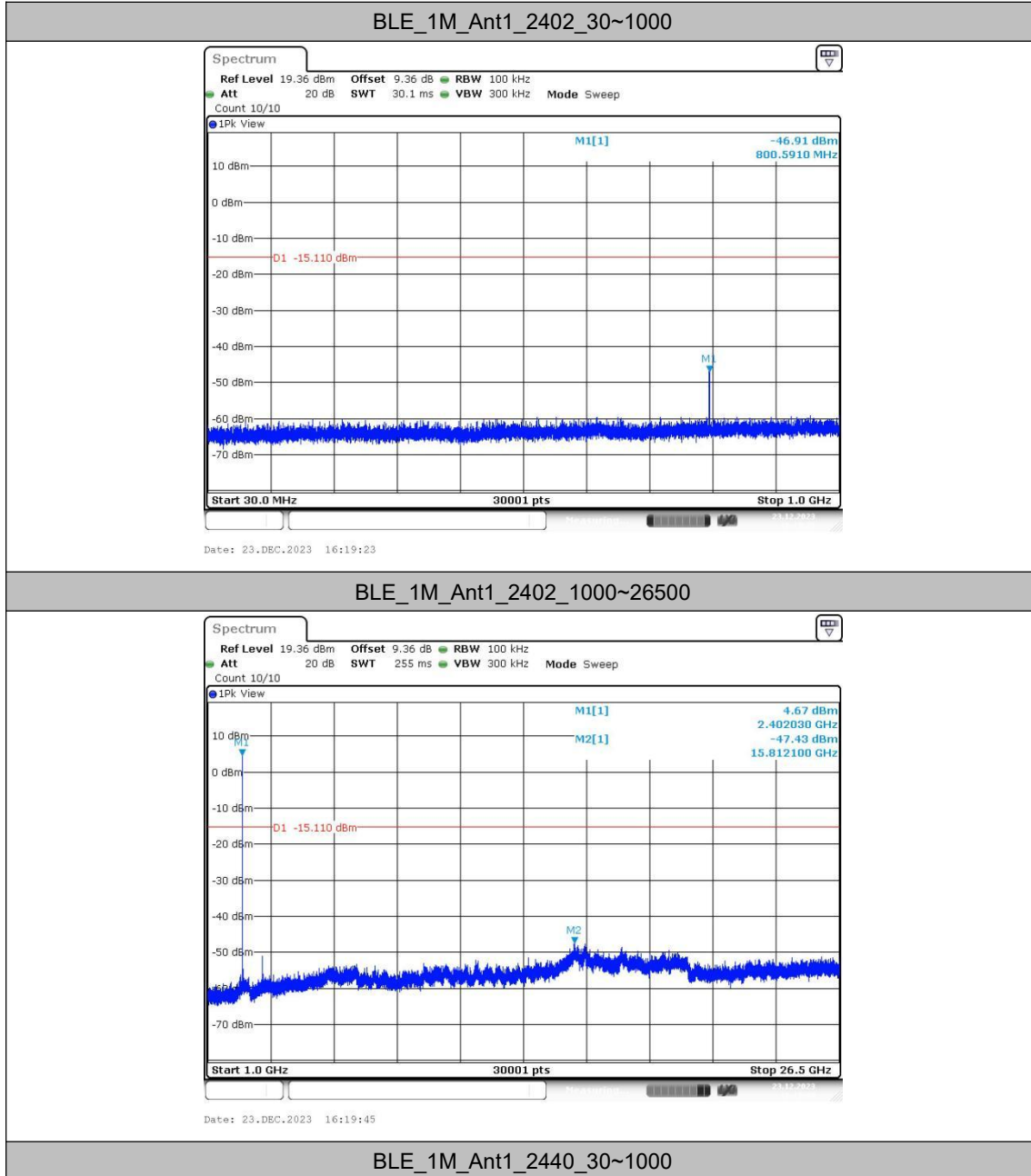
Appendix G: Conducted Spurious Emission

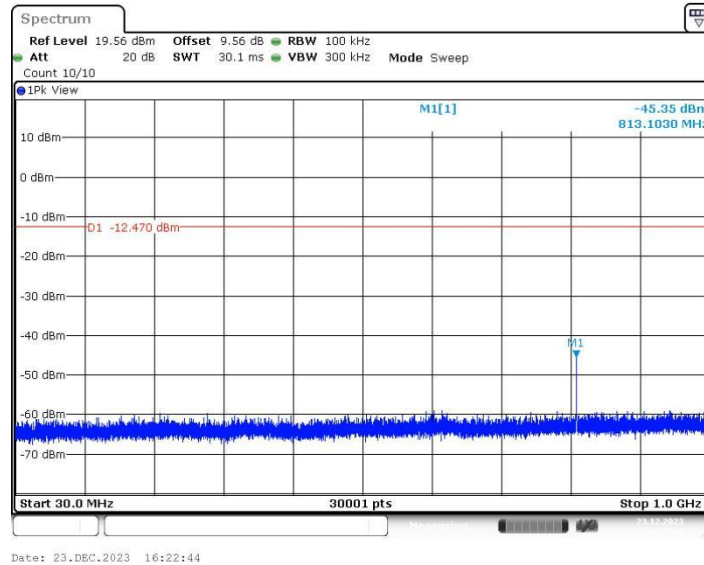
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	4.89	-46.91	≤-15.11	PASS
			1000~26500	4.89	-47.43	≤-15.11	PASS
		2440	30~1000	7.53	-45.35	≤-12.47	PASS
			1000~26500	7.53	-46.68	≤-12.47	PASS
		2480	30~1000	7.66	-45.03	≤-12.34	PASS
			1000~26500	7.66	-46.83	≤-12.34	PASS

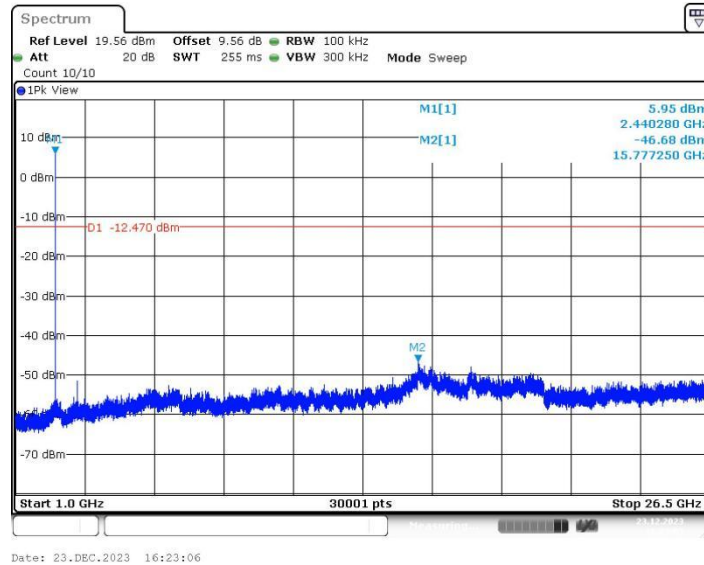


Test Graphs

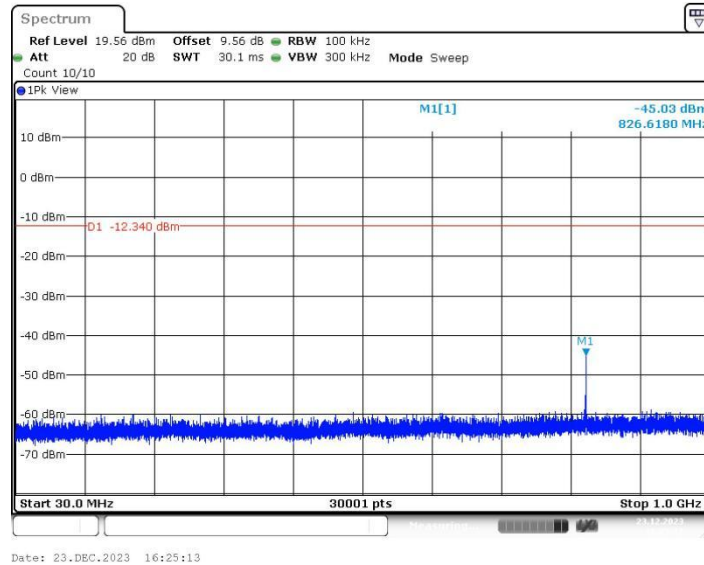




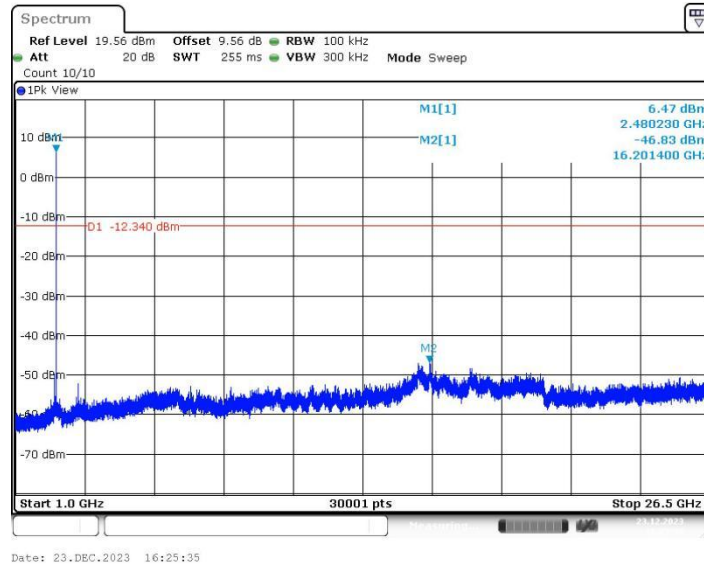
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500





Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	2.09	2.50	0.8360	83.60	0.78	---	---
		2440	2.09	3.12	0.6699	66.99	1.74	---	---
		2480	2.09	3.12	0.6699	66.99	1.74	---	---



Test Graphs

