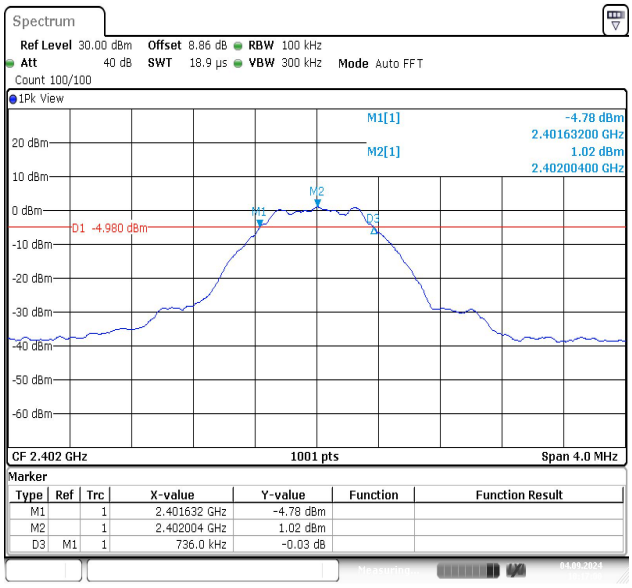
Appendix A: DTS Bandwidth

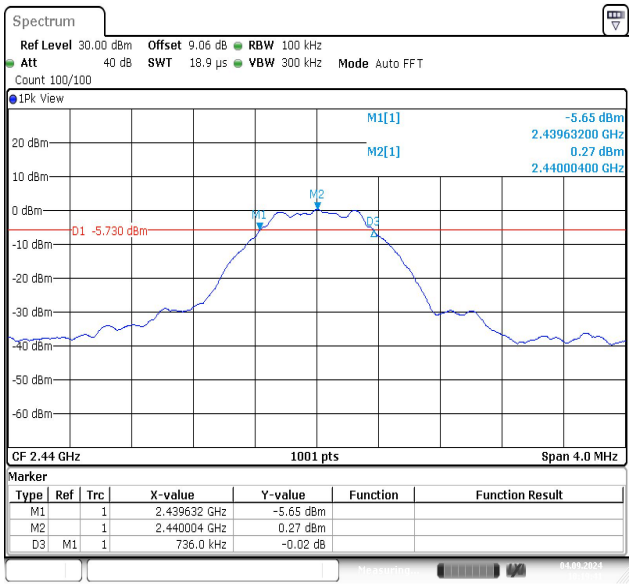
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.74	2401.63	2402.37	0.5	PASS
BLE_1M	Ant1	2440	0.74	2439.63	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.74	2479.63	2480.37	0.5	PASS

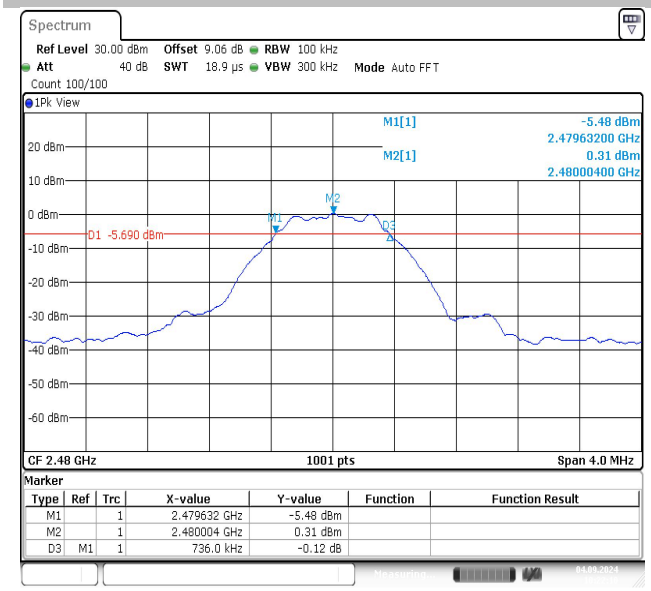
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



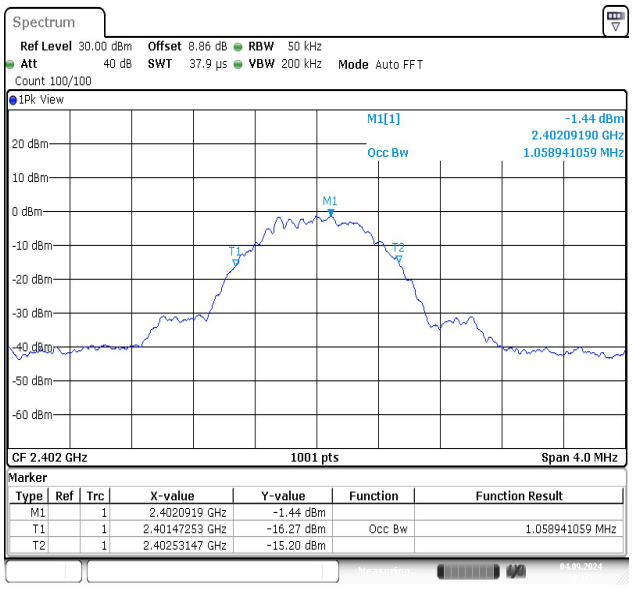
BLE_1M-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

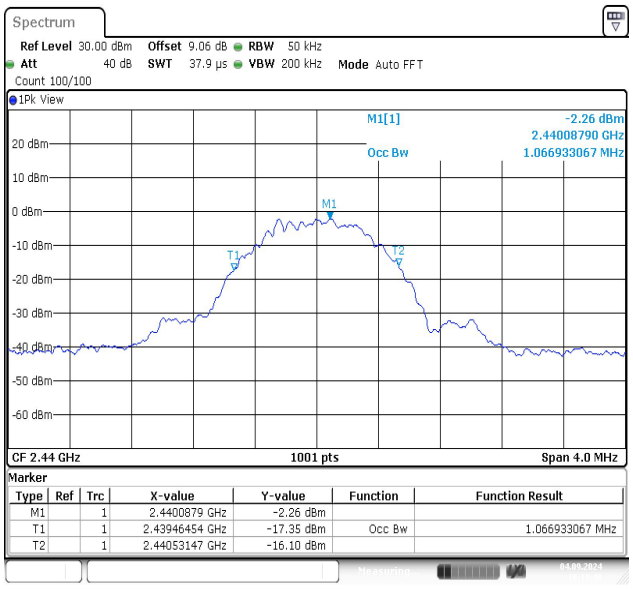
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.059	2401.4725	2402.5315	---	---
BLE_1M	Ant1	2440	1.067	2439.4645	2440.5315	---	---
BLE_1M	Ant1	2480	1.067	2479.4645	2480.5315	---	---

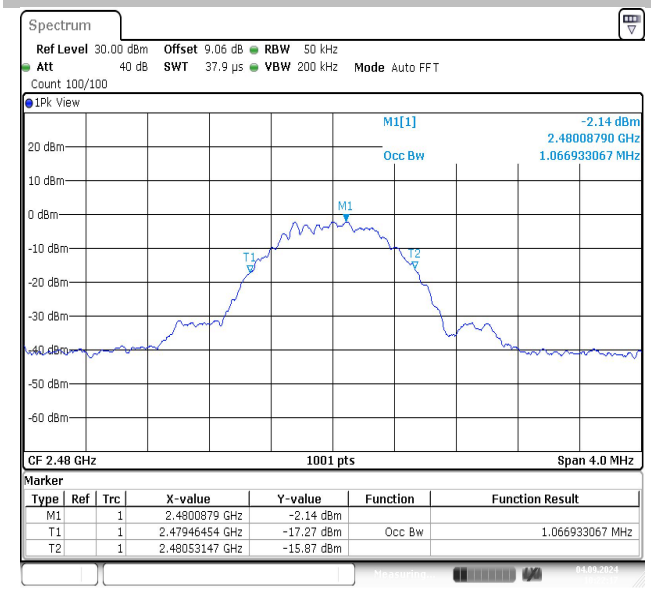
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2.31	≤30	-1.38	0.93	--	PASS
BLE_1M	Ant1	2440	1.53	≤30	-1.38	0.15	--	PASS
BLE_1M	Ant1	2480	1.69	≤30	-1.38	0.31	--	PASS

Test Result Average

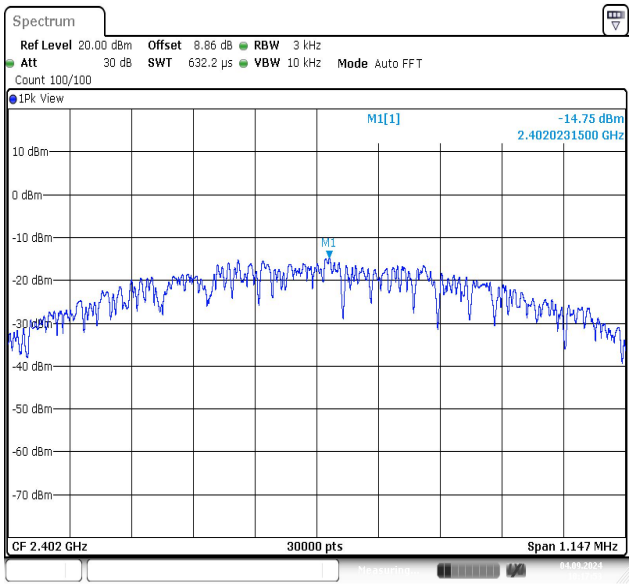
Test Mode	Antenna	Frequency [MHz]	Conducted Sensor Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	AV Power [dBm]	AV Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0.82	74.55	1.28	2.10	≤30.00	-1.38	0.72	--	PASS
BLE_1M	Ant1	2440	0.57	74.55	1.28	1.85	≤30.00	-1.38	0.47	--	PASS
BLE_1M	Ant1	2480	0.01	76.36	1.17	1.18	≤30.00	-1.38	-0.2	--	PASS

Appendix D: Maximum power spectral density

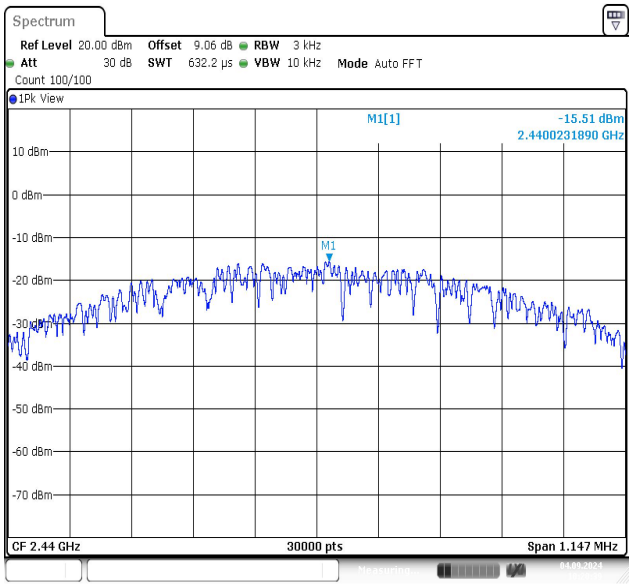
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.75	≤8.00	PASS
BLE_1M	Ant1	2440	-15.51	≤8.00	PASS
BLE_1M	Ant1	2480	-15.53	≤8.00	PASS

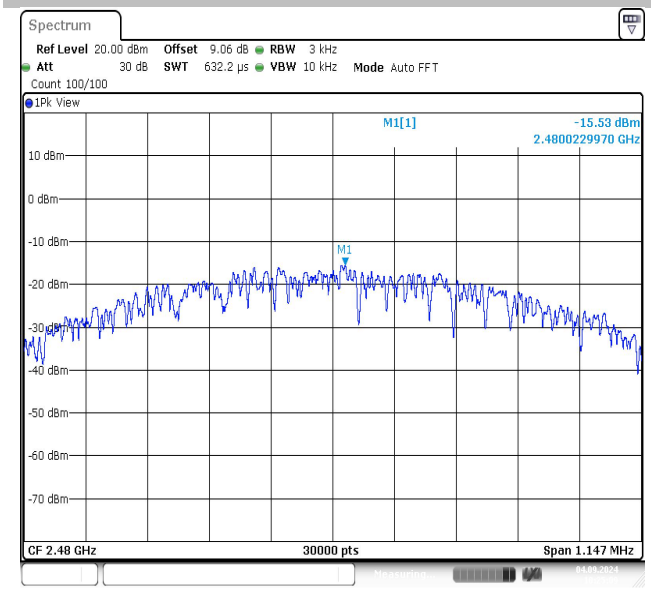
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



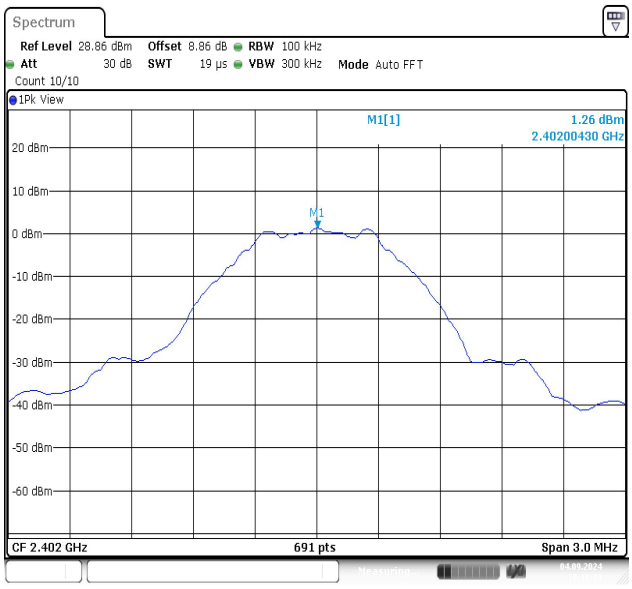
BLE_1M-Ant1-2480-PASS

Appendix E: Conducted Spurious Emission

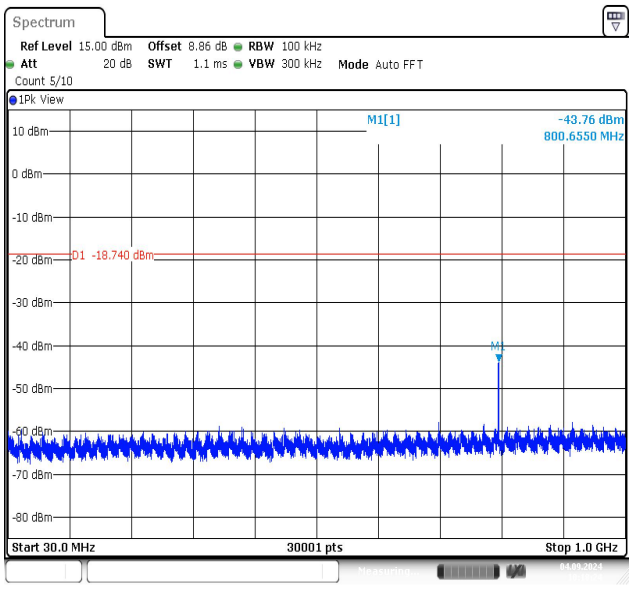
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.26	1.26	---	PASS
BLE_1M	Ant1	2402	30~1000	1.26	-43.76	≤-18.74	PASS
BLE_1M	Ant1	2402	1000~26500	1.26	-32.24	≤-18.74	PASS
BLE_1M	Ant1	2440	0~Reference	0.45	0.45	---	PASS
BLE_1M	Ant1	2440	30~1000	0.45	-43.93	≤-19.55	PASS
BLE_1M	Ant1	2440	1000~26500	0.45	-31.93	≤-19.55	PASS
BLE_1M	Ant1	2480	0~Reference	0.45	0.45	---	PASS
BLE_1M	Ant1	2480	30~1000	0.45	-45.15	≤-19.55	PASS
BLE_1M	Ant1	2480	1000~26500	0.45	-33.82	≤-19.55	PASS

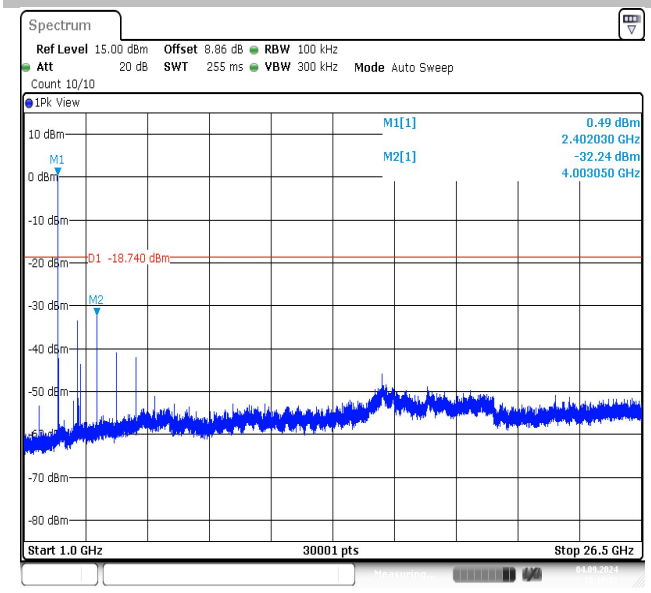
Test Graphs



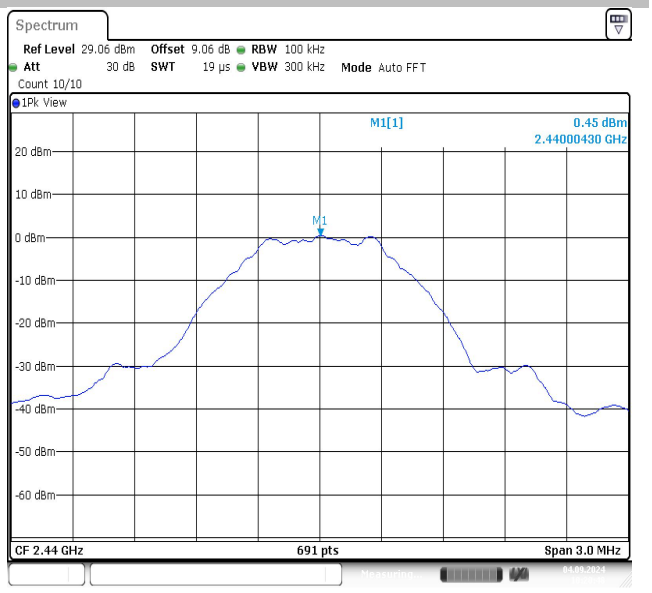
BLE_1M-Ant1-2402-0~Reference-PASS



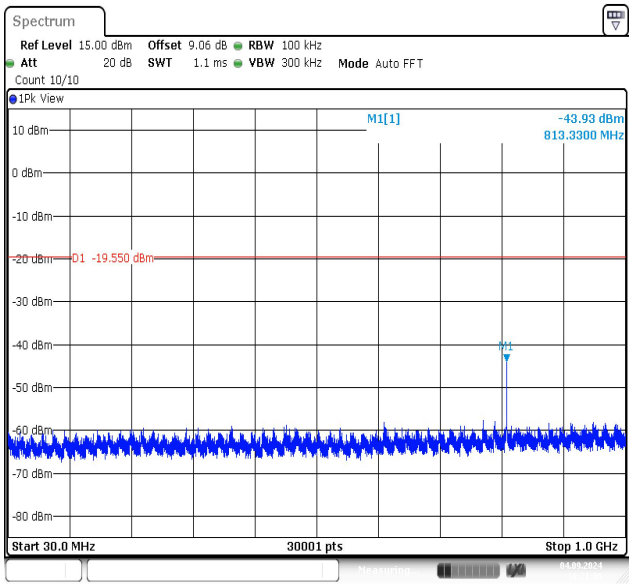
BLE_1M-Ant1-2402-30~1000-PASS



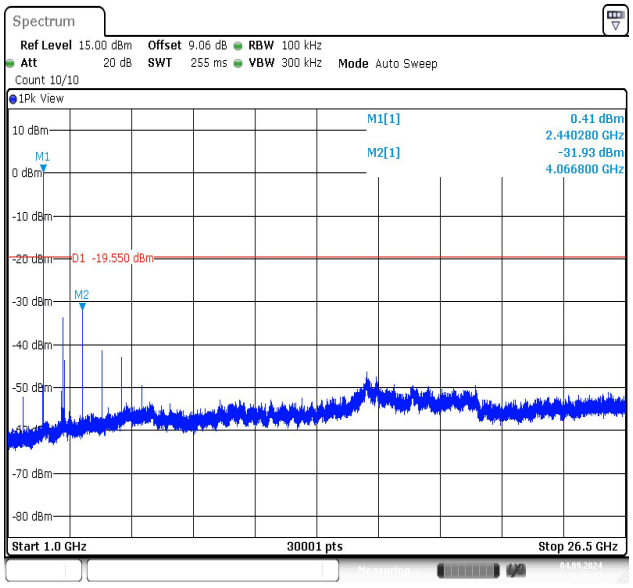
BLE_1M-Ant1-2402-1000~26500-PASS



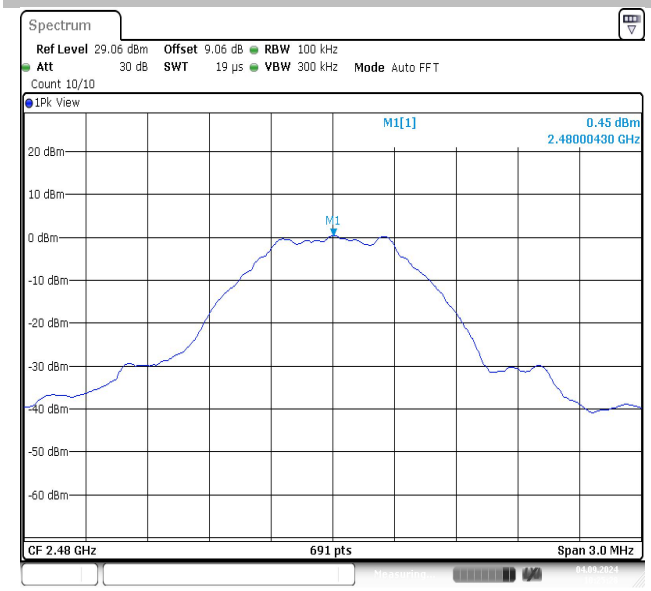
BLE_1M-Ant1-2440-0~Reference-PASS



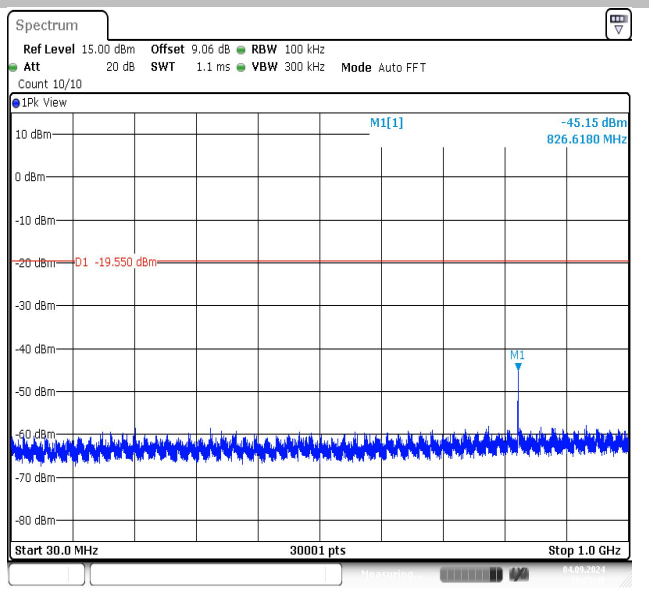
BLE_1M-Ant1-2440-30~1000-PASS



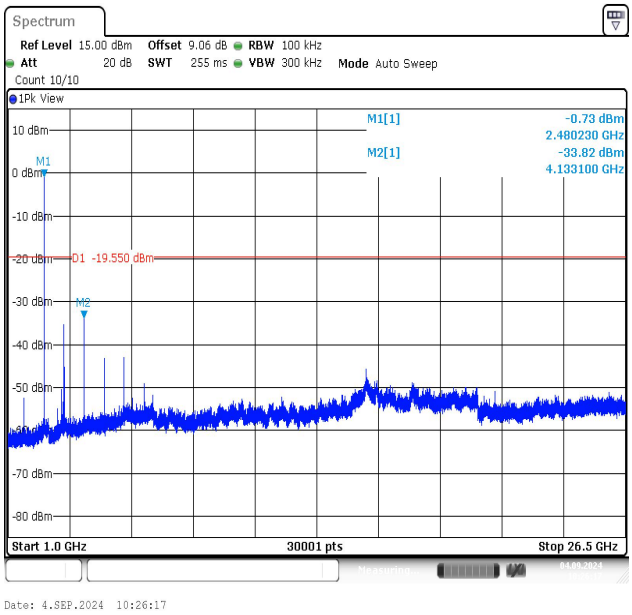
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



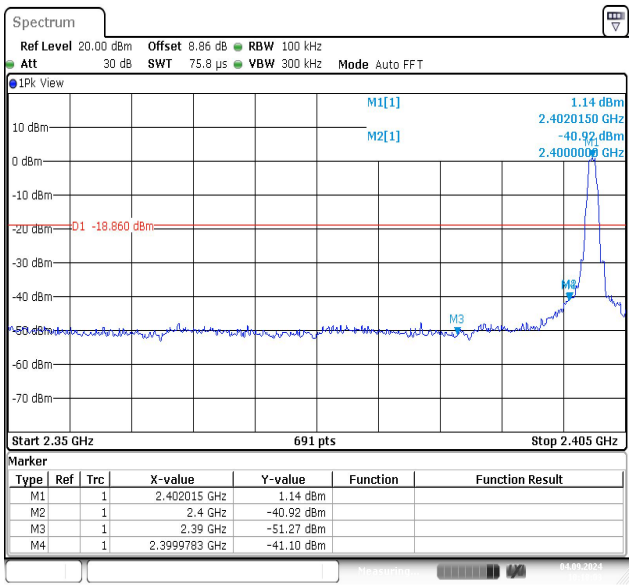
BLE_1M-Ant1-2480-1000~26500-PASS

Appendix F: Band edge measurements

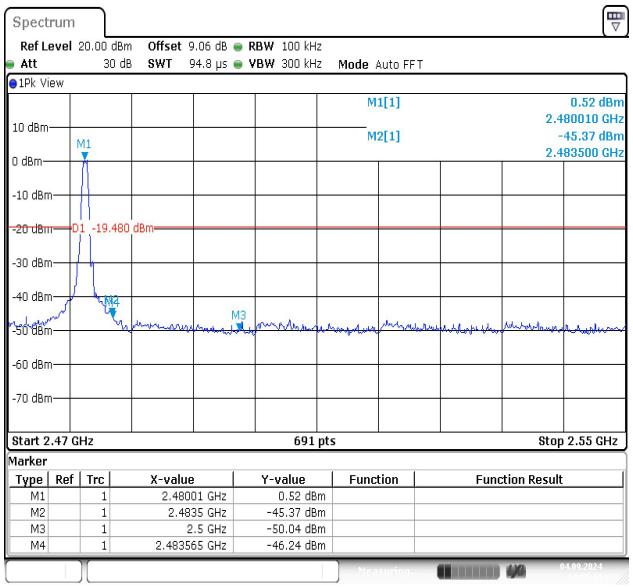
Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.14	-41.1	≤-18.86	PASS
BLE_1M	Ant1	High	2480	0.52	-46.24	≤-19.48	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS



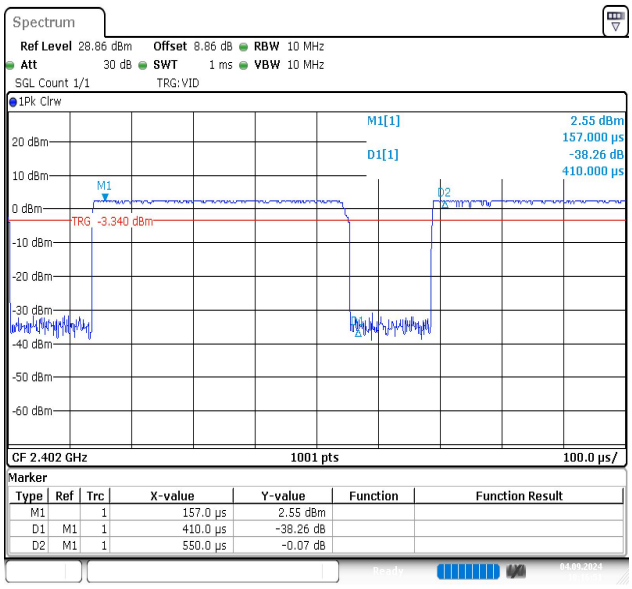
BLE_1M-Ant1-2480-PASS

Appendix G: Duty Cycle

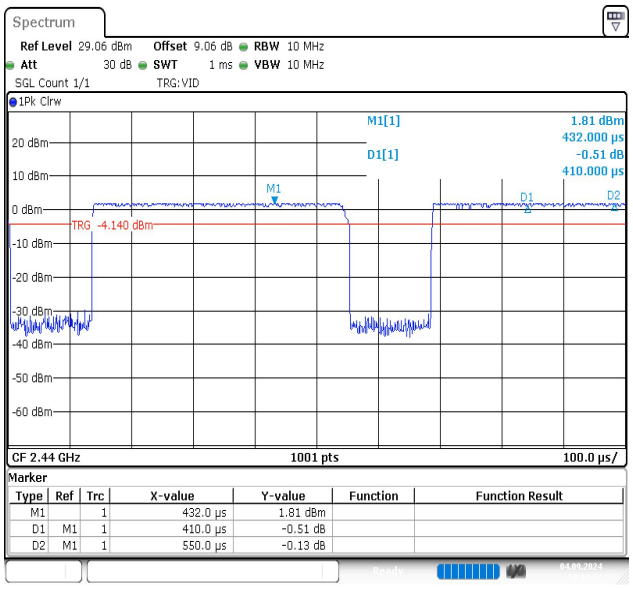
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.41	0.55	74.55
BLE_1M	Ant1	2440	0.41	0.55	74.55
BLE_1M	Ant1	2480	0.42	0.55	76.36

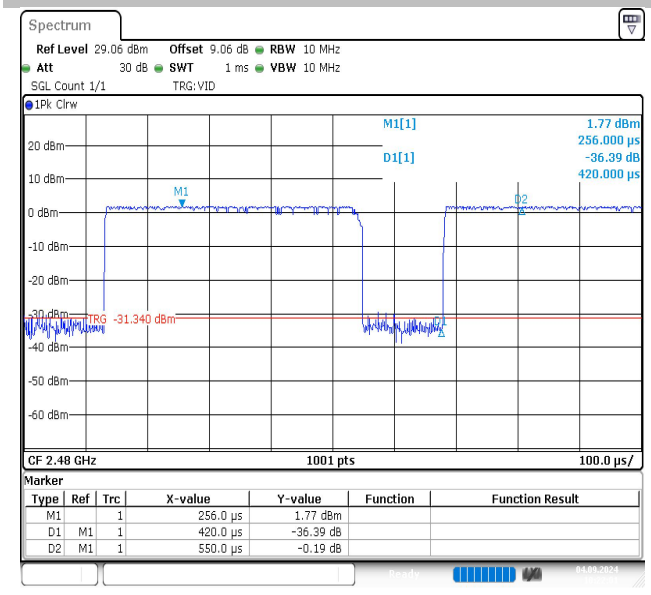
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480

----------END----------