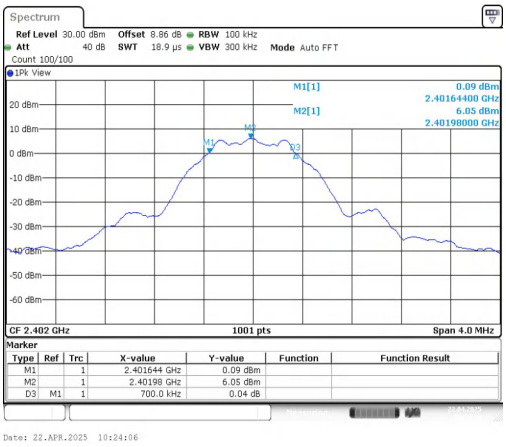
Appendix A: DTS Bandwidth

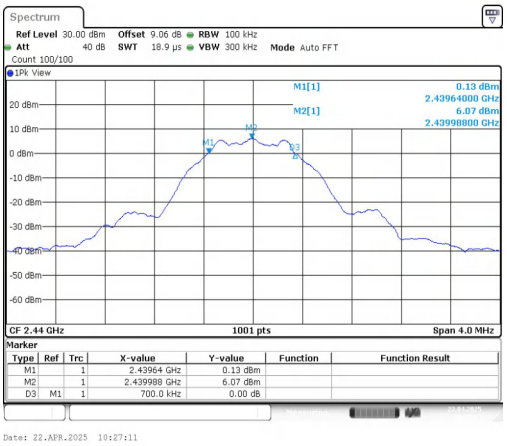
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.64	2401.98	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.64	2439.98	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.64	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.13	2401.42	2402.56	0.5	PASS
BLE_2M	Ant1	2440	1.14	2439.43	2440.56	0.5	PASS
BLE_2M	Ant1	2480	1.12	2479.43	2479.92	0.5	PASS

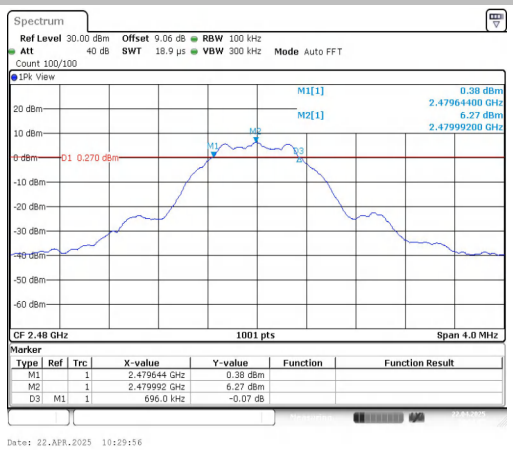
Test Graphs



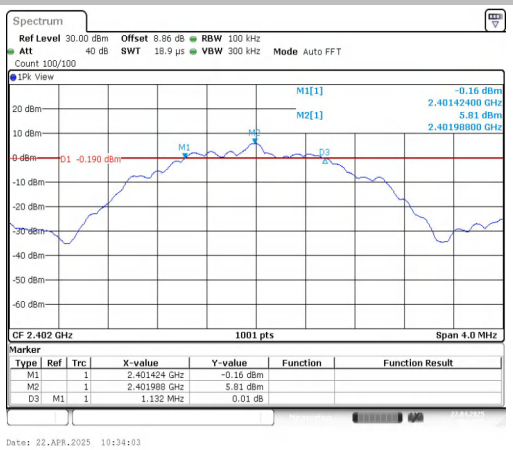
BLE_1M-Ant1-2402-PASS



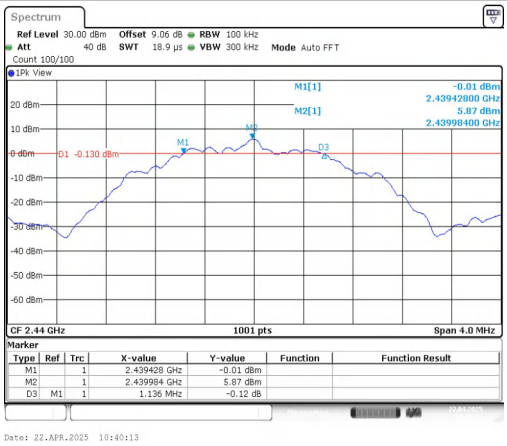
BLE_1M-Ant1-2440-PASS



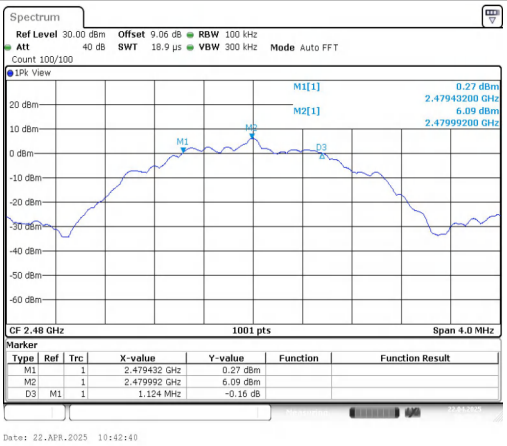
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



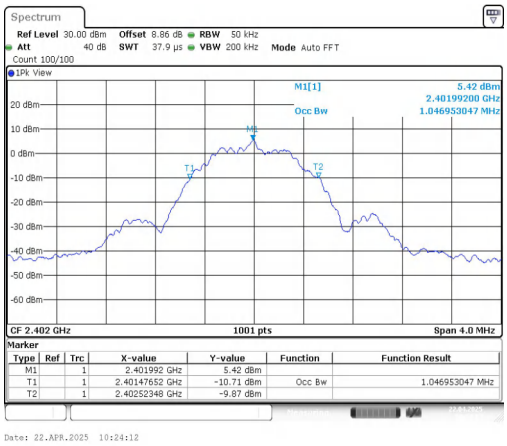
BLE_2M-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

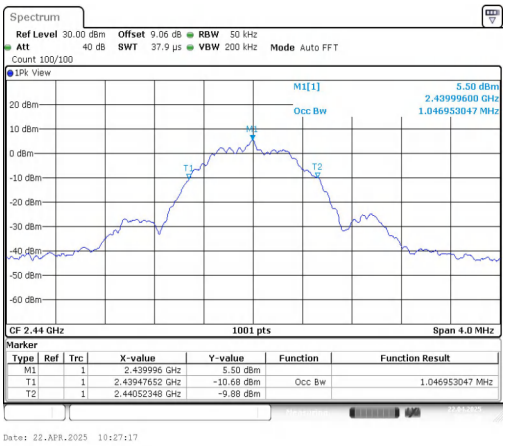
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.047	2401.4765	2402.5235	---	---
BLE_1M	Ant1	2440	1.047	2439.4765	2440.5235	---	---
BLE_1M	Ant1	2480	1.047	2479.4765	2480.5235	---	---
BLE_2M	Ant1	2402	2.038	2400.9890	2403.0270	---	---
BLE_2M	Ant1	2440	2.038	2438.9890	2441.0270	---	---
BLE_2M	Ant1	2480	2.046	2478.9850	2481.0310	---	---

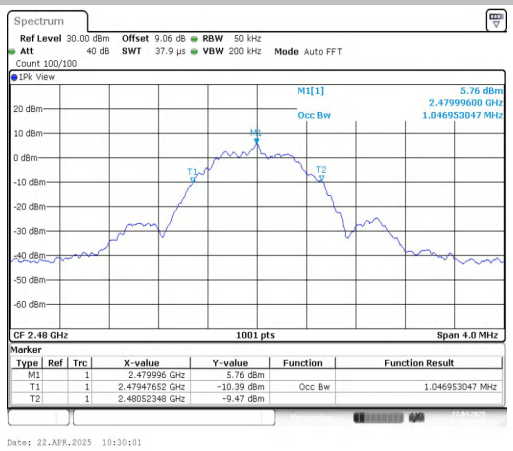
Test Graphs



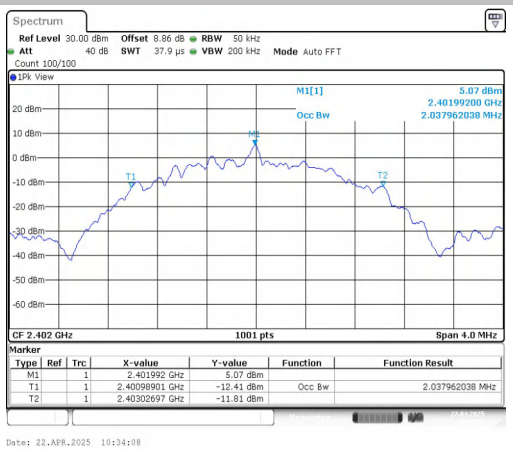
BLE_1M-Ant1-2402



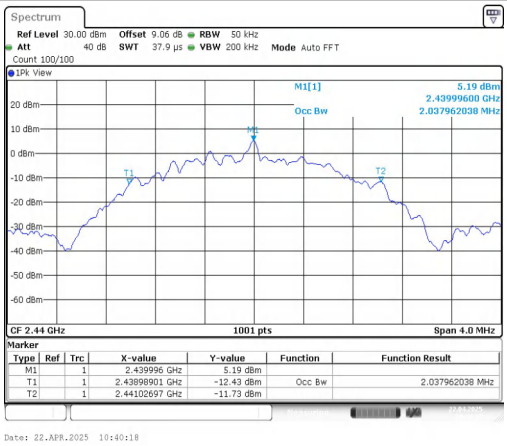
BLE_1M-Ant1-2440



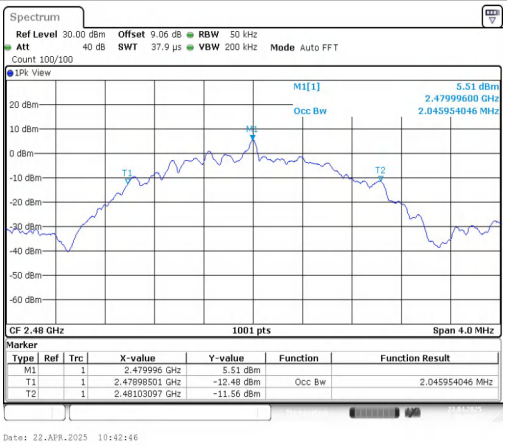
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Powe Limit [dBm]	Verdict
BLE_1M	Ant1	2402	6.57	≤30	PASS
BLE_1M	Ant1	2440	6.43	≤30	PASS
BLE_1M	Ant1	2480	6.55	≤30	PASS
BLE_2M	Ant1	2402	6.35	≤30	PASS
BLE_2M	Ant1	2440	6.26	≤30	PASS
BLE_2M	Ant1	2480	6.43	≤30	PASS

Test Result Average

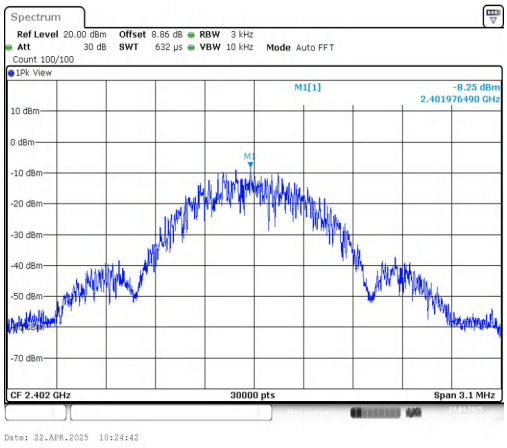
Test Mode	Antenna	Frequency [MHz]	Conducted Sensor Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	AV Power [dBm]	AV Power Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2.18	50.00	3.01	5.19	≤30.00	PASS
BLE_1M	Ant1	2440	2.35	50.00	3.01	5.36	≤30.00	PASS
BLE_1M	Ant1	2480	2.38	50.00	3.01	5.39	≤30.00	PASS
BLE_2M	Ant1	2402	-0.43	27.42	5.62	5.19	≤30.00	PASS
BLE_2M	Ant1	2440	-0.26	27.42	5.62	5.36	≤30.00	PASS
BLE_2M	Ant1	2480	-0.23	27.42	5.62	5.39	≤30.00	PASS

Appendix D: Maximum power spectral density

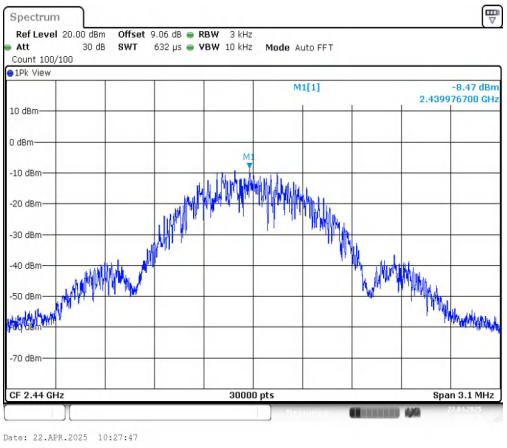
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.25	≤8.00	PASS
BLE_1M	Ant1	2440	-8.47	≤8.00	PASS
BLE_1M	Ant1	2480	-8.56	≤8.00	PASS
BLE_2M	Ant1	2402	-12.32	≤8.00	PASS
BLE_2M	Ant1	2440	-12.38	≤8.00	PASS
BLE_2M	Ant1	2480	-12.53	≤8.00	PASS

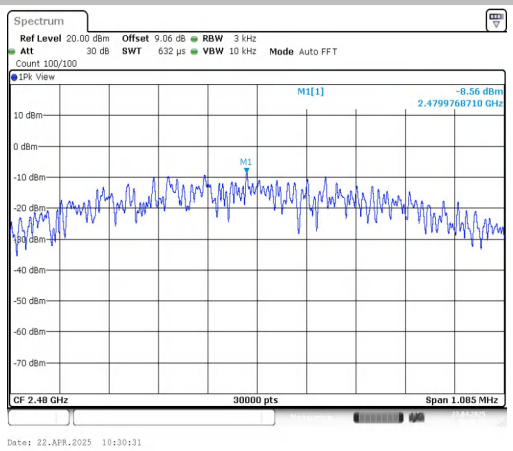
Test Graphs



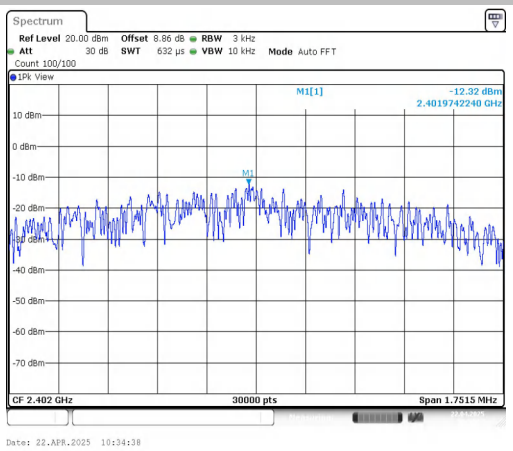
BLE_1M-Ant1-2402-PASS



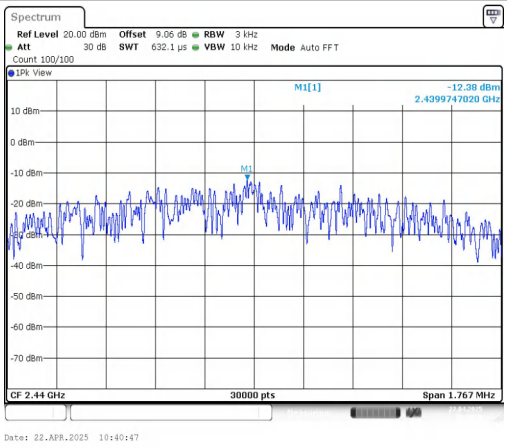
BLE_1M-Ant1-2440-PASS



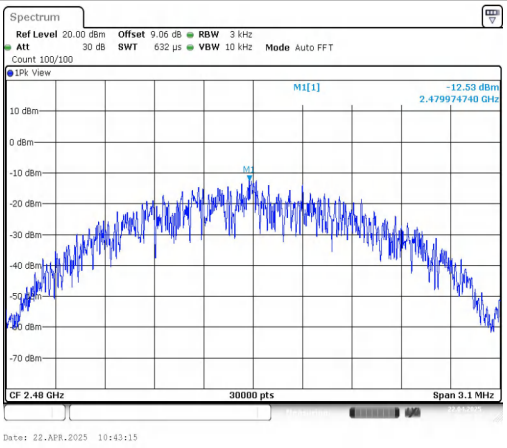
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



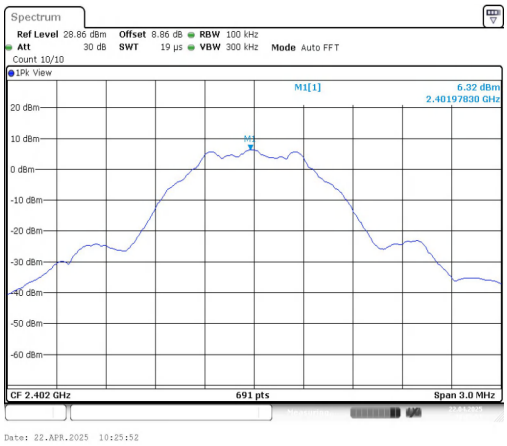
BLE_2M-Ant1-2480-PASS

Appendix E: Conducted Spurious Emission

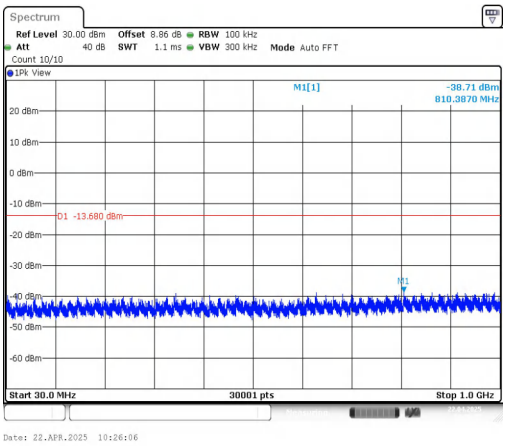
Test Result

TestMode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	6.32	6.32	---	PASS
BLE_1M	Ant1	2402	30~1000	6.32	-38.71	≤-13.68	PASS
BLE_1M	Ant1	2402	1000~26500	6.32	-27.95	≤-13.68	PASS
BLE_1M	Ant1	2440	0~Reference	6.30	6.30	---	PASS
BLE_1M	Ant1	2440	30~1000	6.30	-38.5	≤-13.7	PASS
BLE_1M	Ant1	2440	1000~26500	6.30	-26.39	≤-13.7	PASS
BLE_1M	Ant1	2480	0~Reference	6.44	6.44	---	PASS
BLE_1M	Ant1	2480	30~1000	6.44	-37.65	≤-13.56	PASS
BLE_1M	Ant1	2480	1000~26500	6.44	-26.32	≤-13.56	PASS
BLE_2M	Ant1	2402	0~Reference	6.09	6.09	---	PASS
BLE_2M	Ant1	2402	30~1000	6.09	-38.1	≤-13.91	PASS
BLE_2M	Ant1	2402	1000~26500	6.09	-27.99	≤-13.91	PASS
BLE_2M	Ant1	2440	0~Reference	6.08	6.08	---	PASS
BLE_2M	Ant1	2440	30~1000	6.08	-37.87	≤-13.92	PASS
BLE_2M	Ant1	2440	1000~26500	6.08	-26.81	≤-13.92	PASS
BLE_2M	Ant1	2480	0~Reference	6.30	6.30	---	PASS
BLE_2M	Ant1	2480	30~1000	6.30	-38.12	≤-13.7	PASS
BLE_2M	Ant1	2480	1000~26500	6.30	-27.57	≤-13.7	PASS

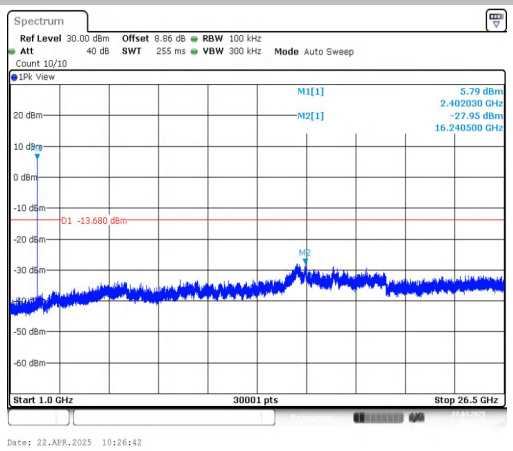
Test Graphs



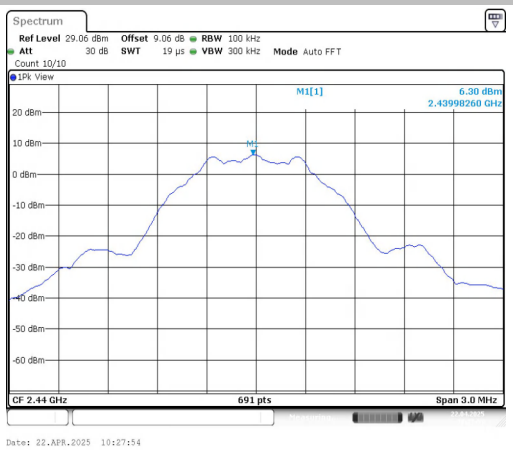
BLE_1M-Ant1-2402-0~Reference-PASS



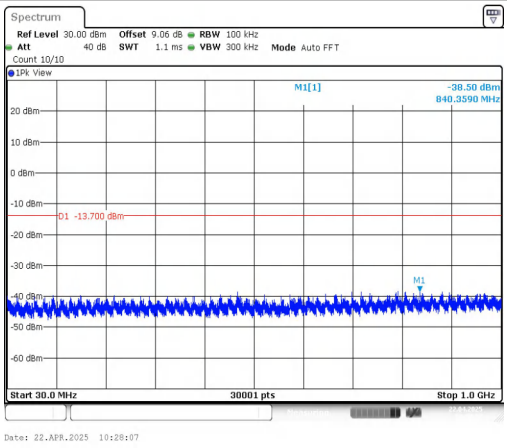
BLE_1M-Ant1-2402-30~1000-PASS



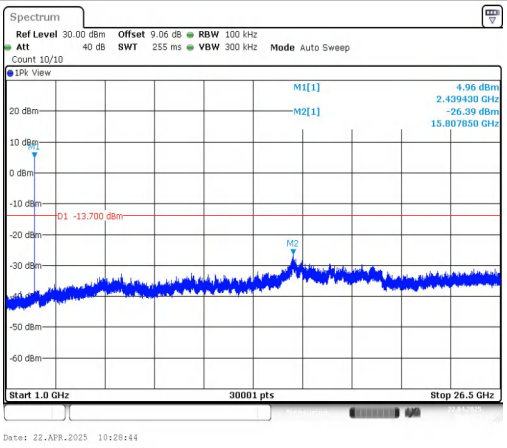
BLE_1M-Ant1-2402-1000~26500-PASS



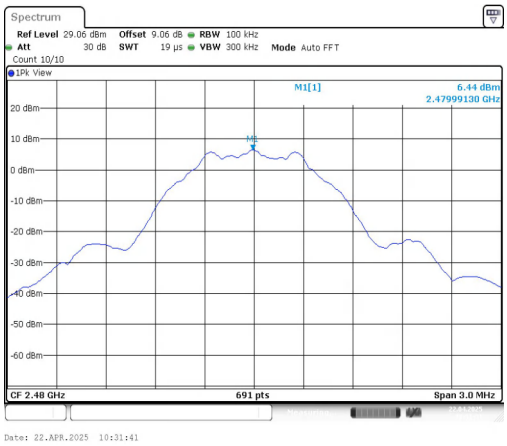
BLE_1M-Ant1-2440-0~Reference-PASS



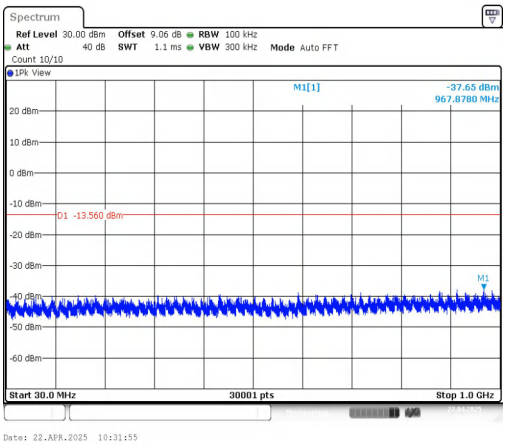
BLE_1M-Ant1-2440-30~1000-PASS



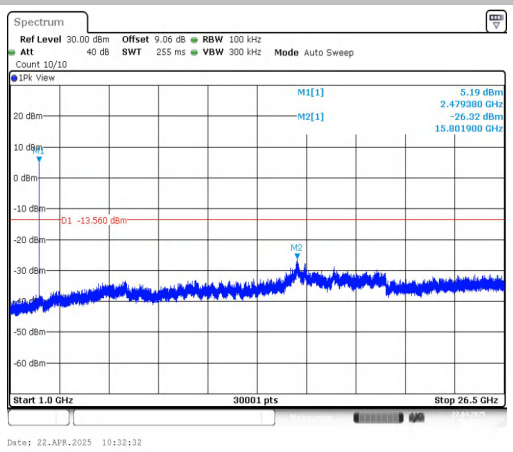
BLE_1M-Ant1-2440-1000~26500-PASS



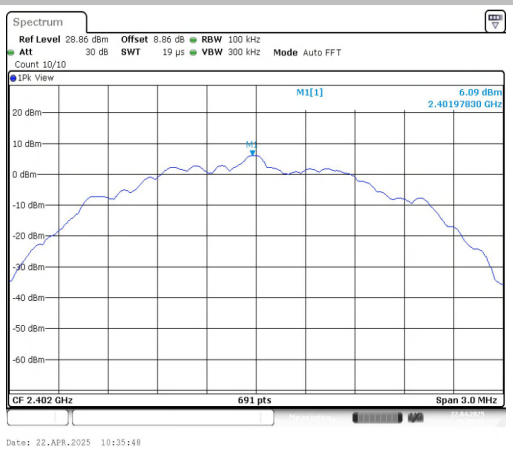
BLE_1M-Ant1-2480-0~Reference-PASS



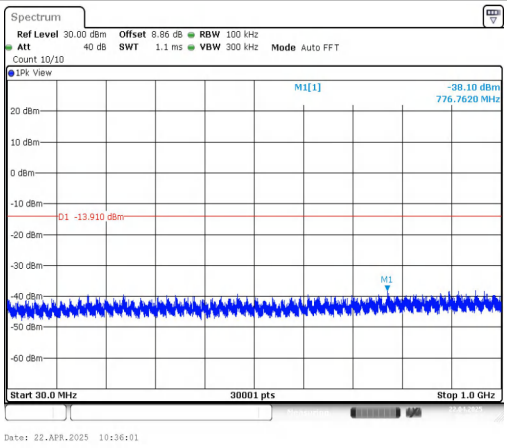
BLE_1M-Ant1-2480-30~1000-PASS



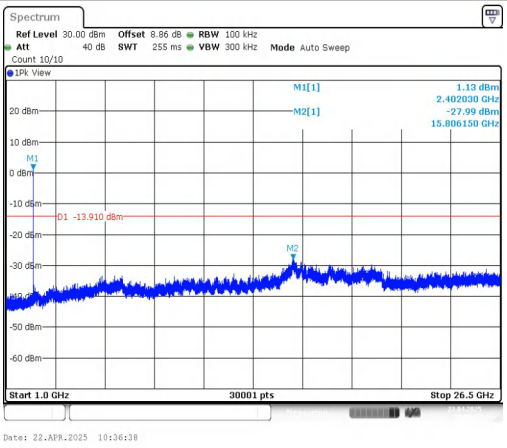
BLE_1M-Ant1-2480-1000~26500-PASS



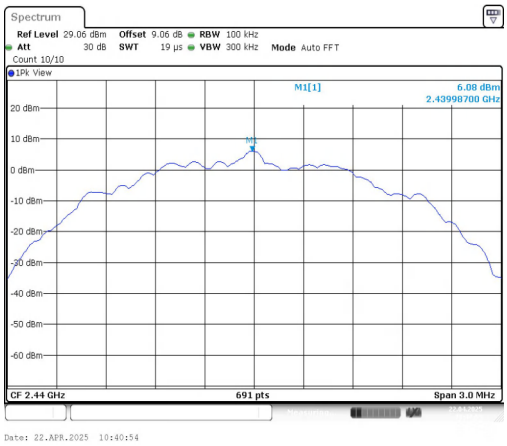
BLE_2M-Ant1-2402-0~Reference-PASS



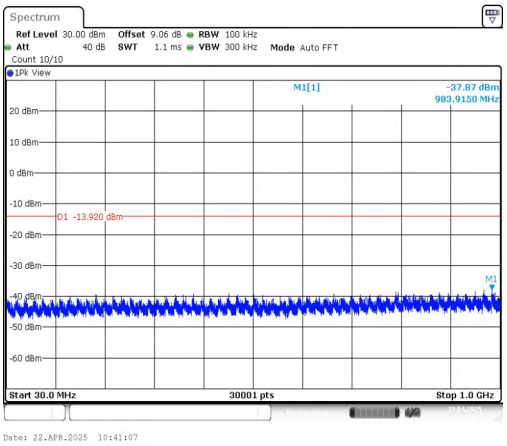
BLE_2M-Ant1-2402-30~1000-PASS



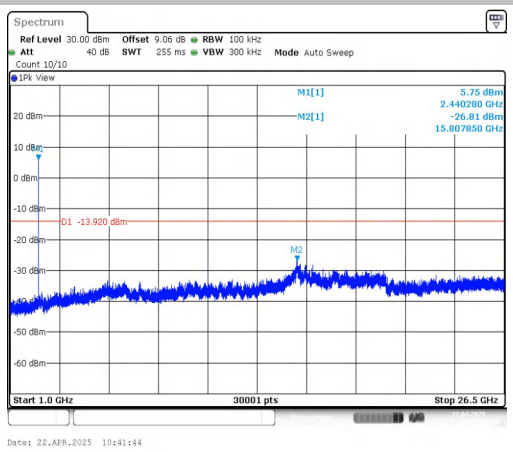
BLE_2M-Ant1-2402-1000~26500-PASS



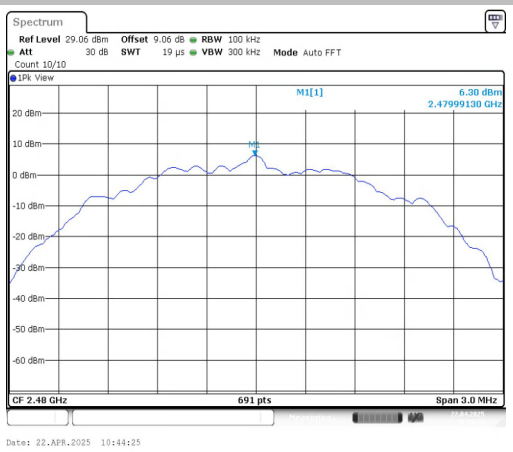
BLE_2M-Ant1-2440-0~Reference-PASS



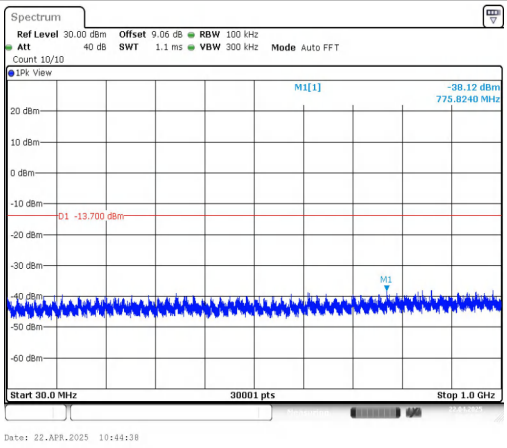
BLE_2M-Ant1-2440-30~1000-PASS



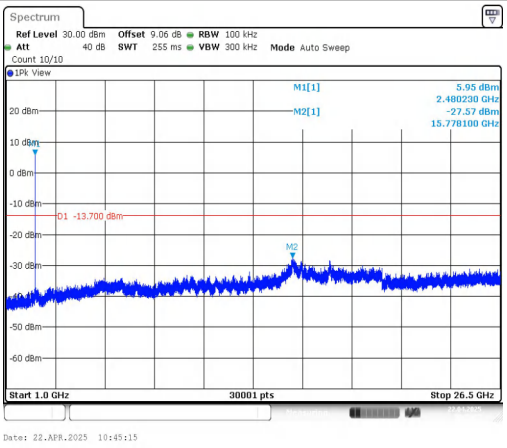
BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



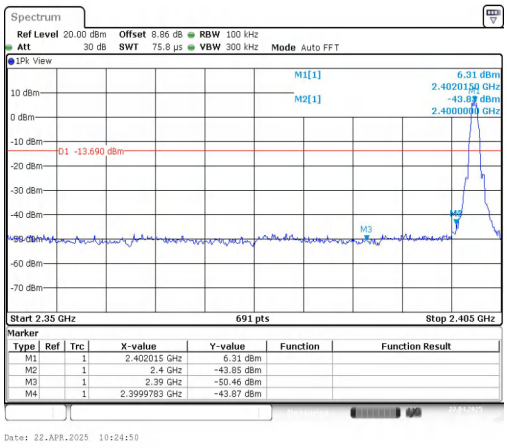
BLE_2M-Ant1-2480-1000~26500-PASS

Appendix F: Band edge measurements

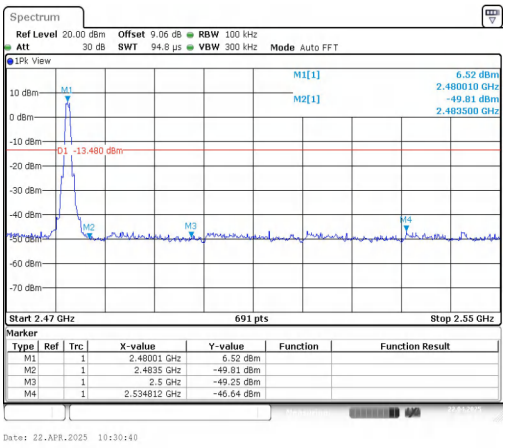
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.31	-43.87	≤-13.69	PASS
BLE_1M	Ant1	High	2480	6.52	-46.64	≤-13.48	PASS
BLE_2M	Ant1	Low	2402	6.06	-26.66	≤-13.94	PASS
BLE_2M	Ant1	High	2480	6.36	-45.94	≤-13.64	PASS

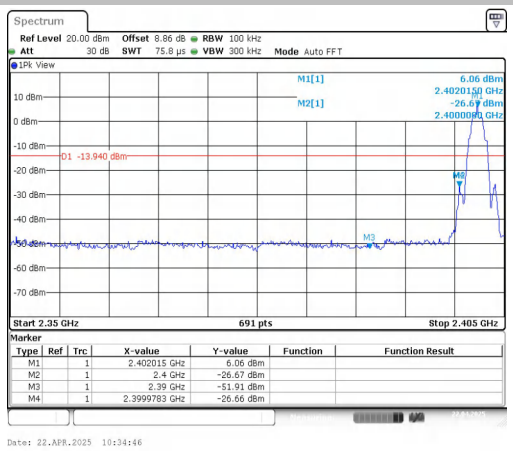
Test Graphs



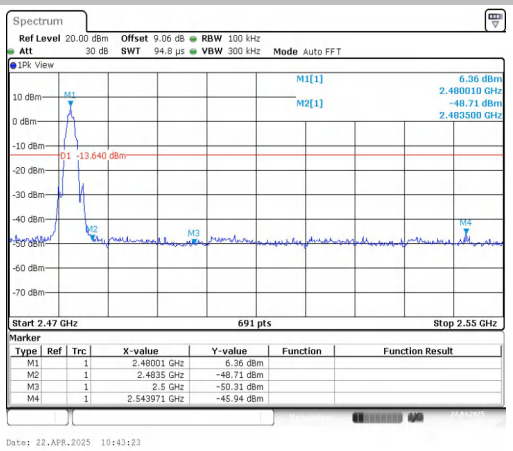
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



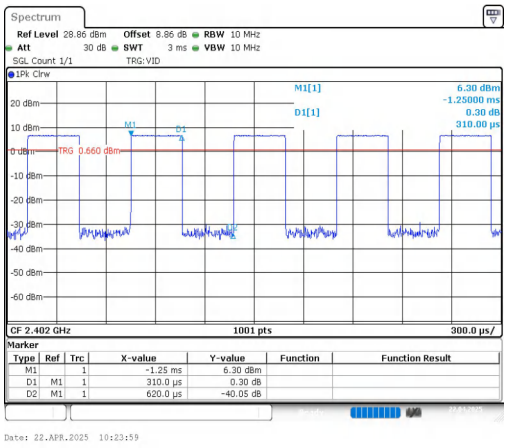
BLE_2M-Ant1-2480-PASS

Appendix G: Duty Cycle

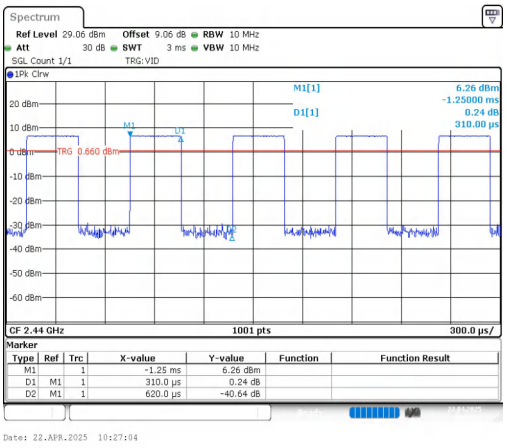
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.31	0.62	50.00
BLE_1M	Ant1	2440	0.31	0.62	50.00
BLE_1M	Ant1	2480	0.31	0.62	50.00
BLE_2M	Ant1	2402	0.17	0.62	27.42
BLE_2M	Ant1	2440	0.17	0.62	27.42
BLE_2M	Ant1	2480	0.17	0.62	27.42

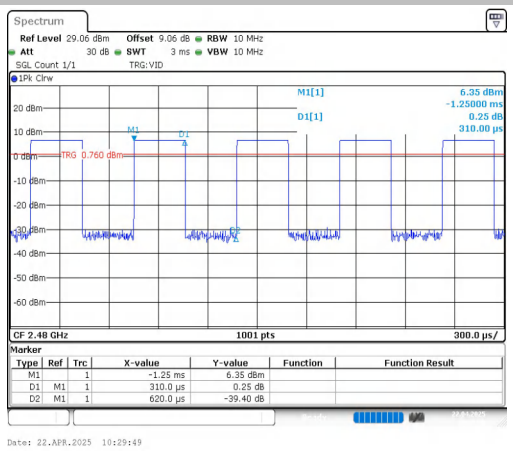
Test Graphs



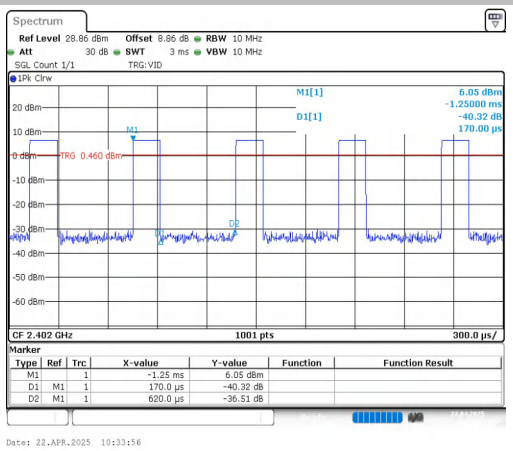
NTNV-BLE_1M-Ant1-2402



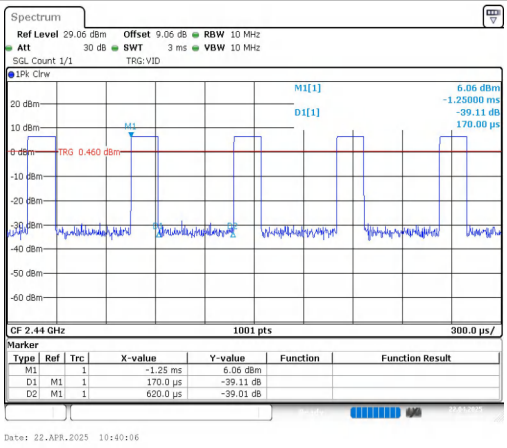
NTNV-BLE_1M-Ant1-2440



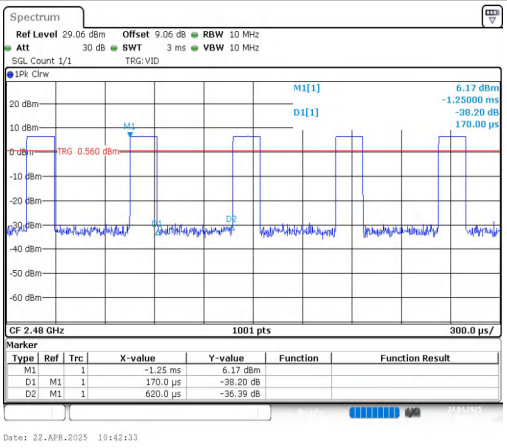
NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

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