



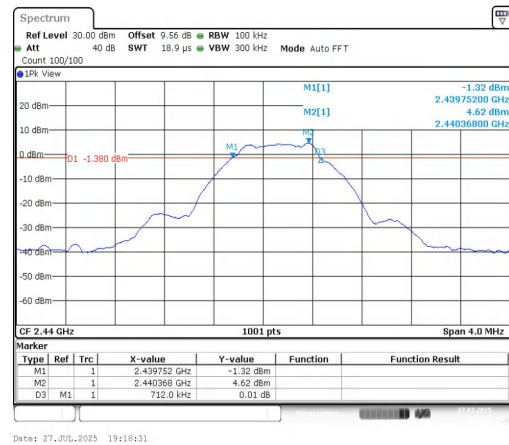
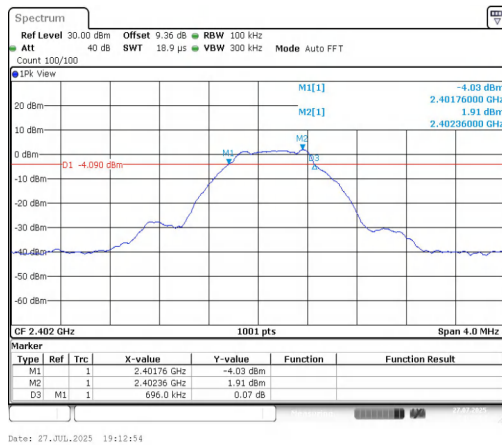
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.76	2402.46	0.5	PASS
BLE_1M	Ant1	2440	0.71	2439.75	2440.46	0.5	PASS
BLE_1M	Ant1	2480	0.73	2479.74	2480.48	0.5	PASS
BLE_2M	Ant1	2402	1.99	2401.12	2403.11	0.5	PASS
BLE_2M	Ant1	2440	2.08	2439.08	2441.16	0.5	PASS
BLE_2M	Ant1	2480	2.10	2479.07	2481.18	0.5	PASS

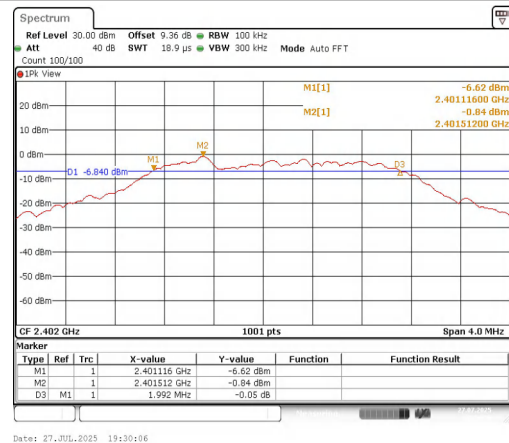
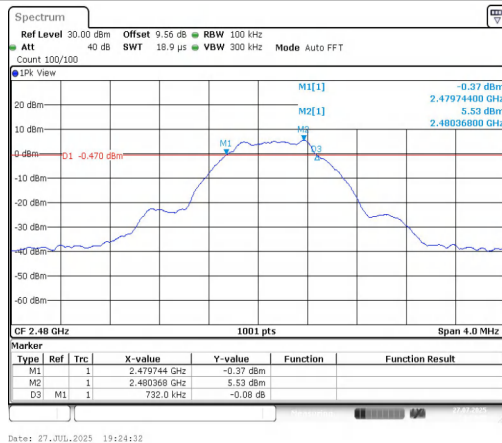


Test Graphs



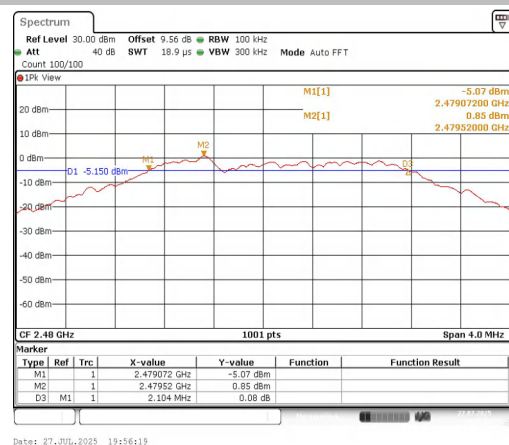
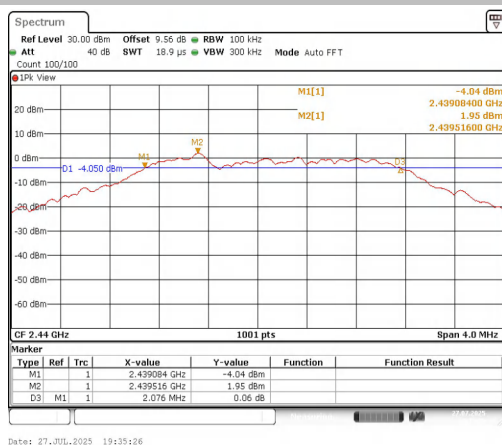
BLE_1M-Ant1-2402-PASS

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



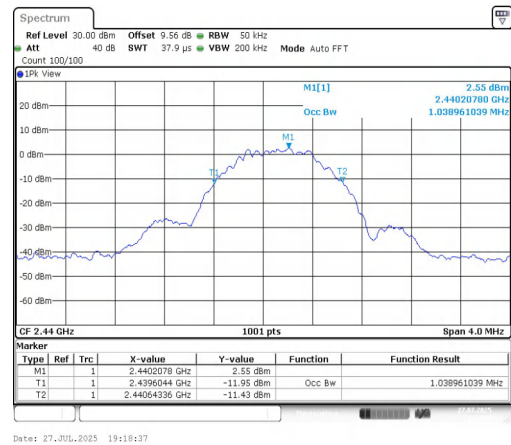
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.019	2401.6124	2402.6314	---	---
BLE_1M	Ant1	2440	1.039	2439.6044	2440.6434	---	---
BLE_1M	Ant1	2480	1.063	2479.5924	2480.6553	---	---
BLE_2M	Ant1	2402	2.881	2400.5974	2403.4785	---	---
BLE_2M	Ant1	2440	3.061	2438.5295	2441.5904	---	---
BLE_2M	Ant1	2480	3.141	2478.4935	2481.6344	---	---

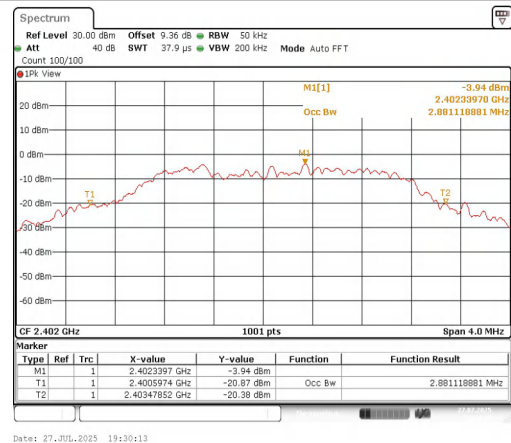
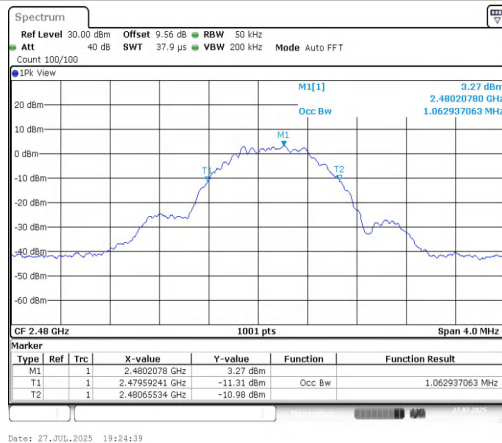


Test Graphs



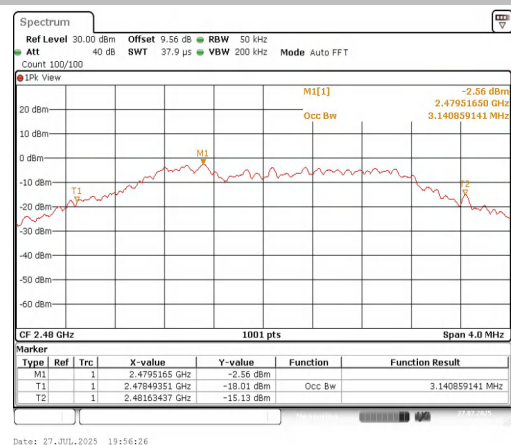
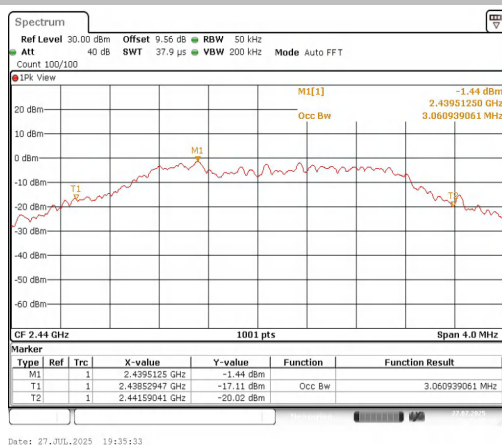
BLE_1M-Ant1-2402

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 Power Limit [dBm]	Gain [dBi]	Verdict
BLE_1M	Ant1	2402	3.01	≤30	2.09	PASS
BLE_1M	Ant1	2440	5.65	≤30	2.09	PASS
BLE_1M	Ant1	2480	6.48	≤30	2.09	PASS
BLE_2M	Ant1	2402	3.01	≤30	2.09	PASS
BLE_2M	Ant1	2440	5.72	≤30	2.09	PASS
BLE_2M	Ant1	2480	4.61	≤30	2.09	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]	Verdict
BLE_1M	Ant1	2402	2.53	100.00	0.00	2.53	≤30.00	2.09	PASS
BLE_1M	Ant1	2440	5.08	100.00	0.00	5.08	≤30.00	2.09	PASS
BLE_1M	Ant1	2480	5.03	100.00	0.00	5.03	≤30.00	2.09	PASS
BLE_2M	Ant1	2402	2.52	100.00	0.00	2.52	≤30.00	2.09	PASS
BLE_2M	Ant1	2440	5.08	100.00	0.00	5.08	≤30.00	2.09	PASS
BLE_2M	Ant1	2480	3.26	100.00	0.00	3.26	≤30.00	2.09	PASS



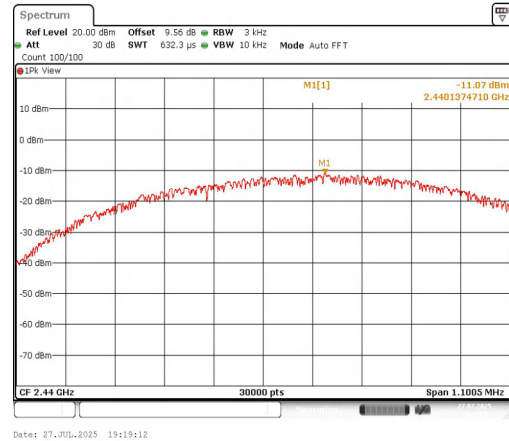
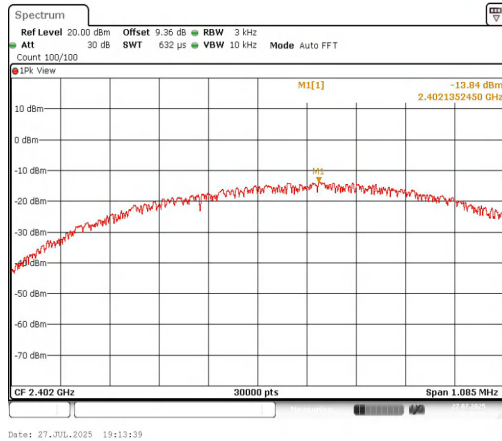
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.84	≤8.00	PASS
BLE_1M	Ant1	2440	-11.07	≤8.00	PASS
BLE_1M	Ant1	2480	-10.56	≤8.00	PASS
BLE_2M	Ant1	2402	-16.78	≤8.00	PASS
BLE_2M	Ant1	2440	-14.17	≤8.00	PASS
BLE_2M	Ant1	2480	-15.28	≤8.00	PASS

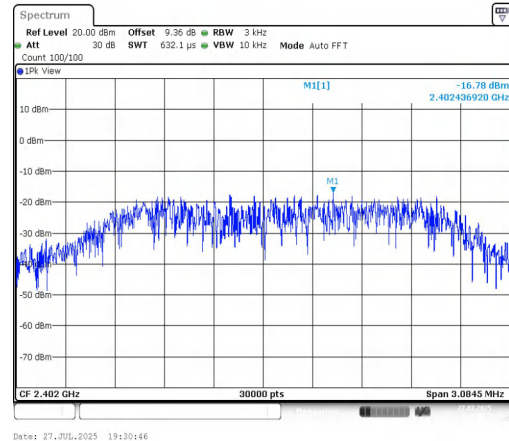
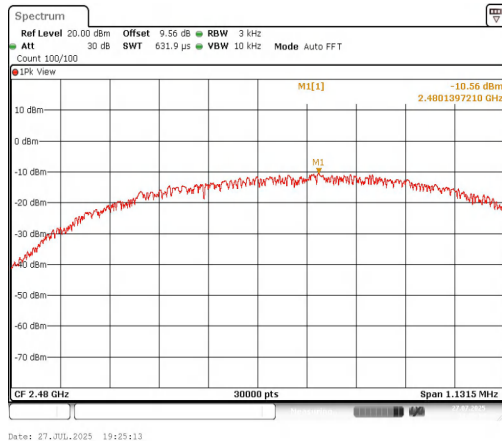


Test Graphs



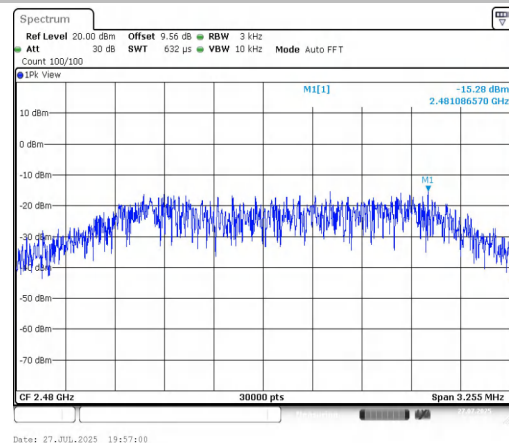
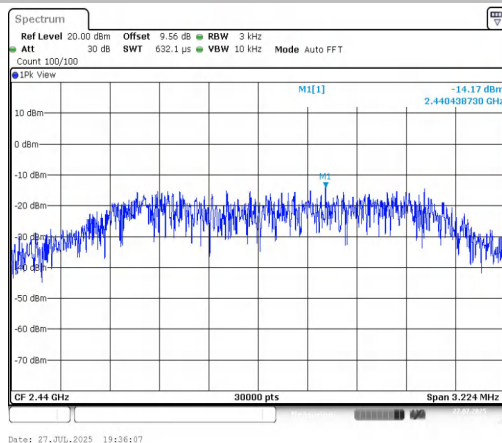
BLE_1M-Ant1-2402-PASS

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



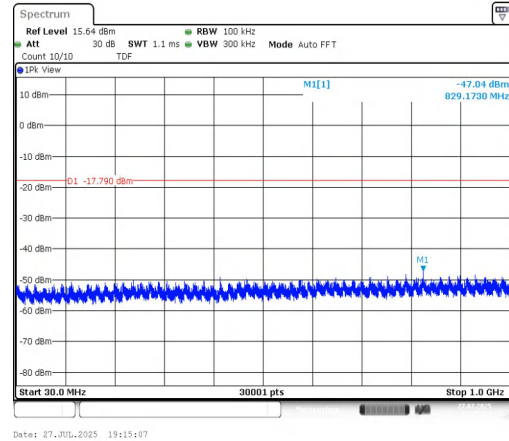
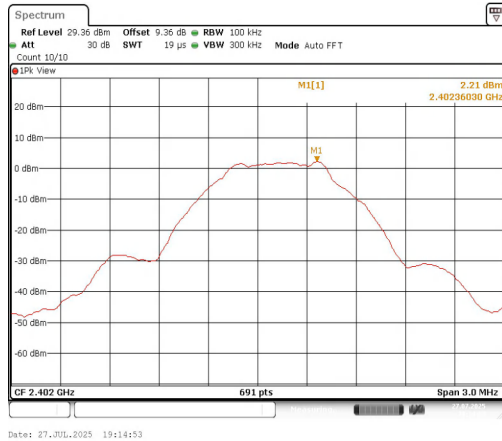
Appendix E: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.21	2.21	---	PASS
BLE_1M	Ant1	2402	30~1000	2.21	-47.04	≤ -17.79	PASS
BLE_1M	Ant1	2402	1000~26500	2.21	-32.68	≤ -17.79	PASS
BLE_1M	Ant1	2440	0~Reference	4.89	4.89	---	PASS
BLE_1M	Ant1	2440	30~1000	4.89	-47.26	≤ -15.11	PASS
BLE_1M	Ant1	2440	1000~26500	4.89	-32.5	≤ -15.11	PASS
BLE_1M	Ant1	2480	0~Reference	5.72	5.72	---	PASS
BLE_1M	Ant1	2480	30~1000	5.72	-48.39	≤ -14.28	PASS
BLE_1M	Ant1	2480	1000~26500	5.72	-32.35	≤ -14.28	PASS
BLE_2M	Ant1	2402	0~Reference	-0.56	-0.56	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.56	-47.4	≤ -20.56	PASS
BLE_2M	Ant1	2402	1000~26500	-0.56	-32.49	≤ -20.56	PASS
BLE_2M	Ant1	2440	0~Reference	2.20	2.20	---	PASS
BLE_2M	Ant1	2440	30~1000	2.20	-48.2	≤ -17.8	PASS
BLE_2M	Ant1	2440	1000~26500	2.20	-32.61	≤ -17.8	PASS
BLE_2M	Ant1	2480	0~Reference	1.03	1.03	---	PASS
BLE_2M	Ant1	2480	30~1000	1.03	-47.1	≤ -18.97	PASS
BLE_2M	Ant1	2480	1000~26500	1.03	-33.04	≤ -18.97	PASS

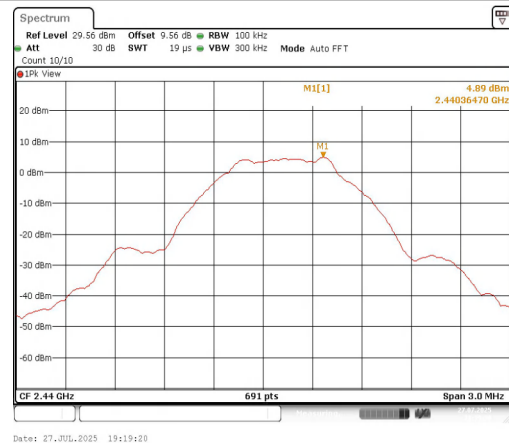
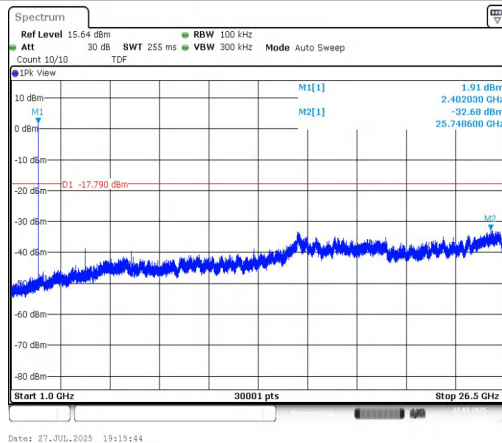


Test Graphs



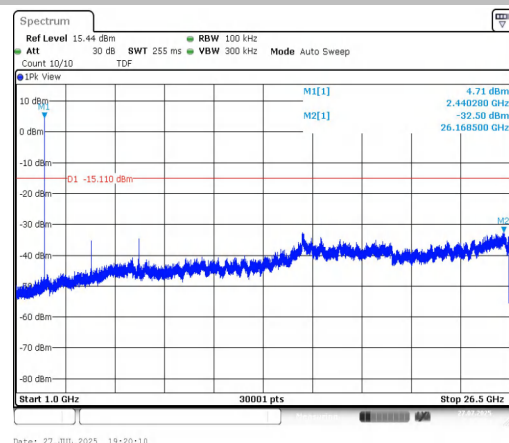
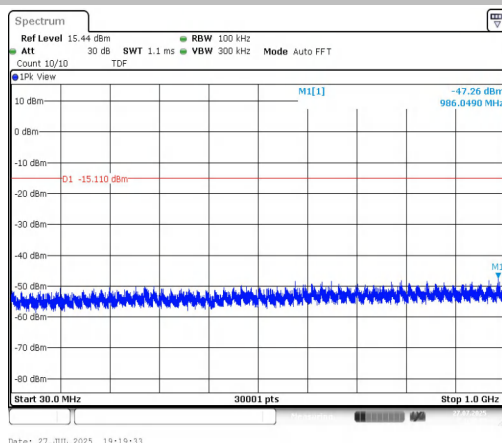
BLE_1M-Ant1-2402-0~Reference-PASS

BLE_1M-Ant1-2402-30~1000-PASS



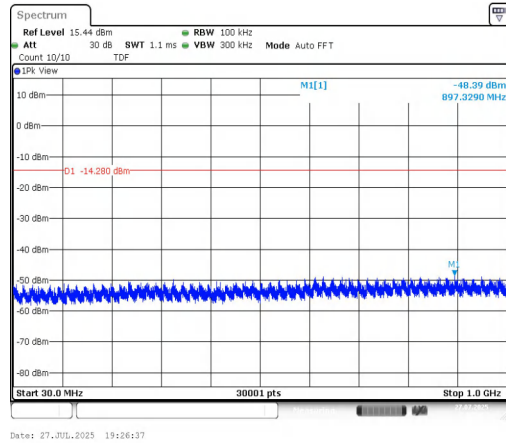
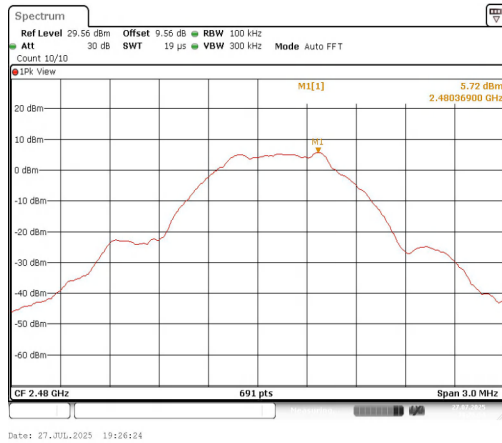
BLE_1M-Ant1-2402-1000~26500-PASS

BLE_1M-Ant1-2440-0~Reference-PASS



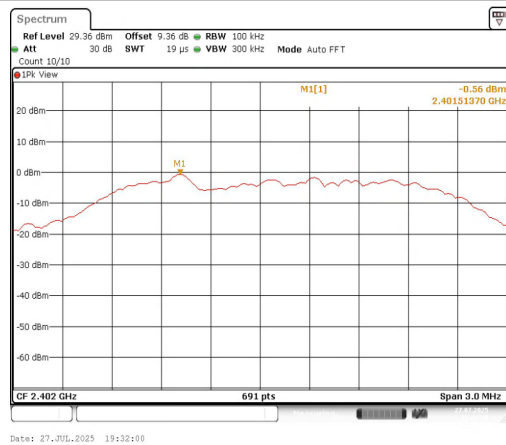
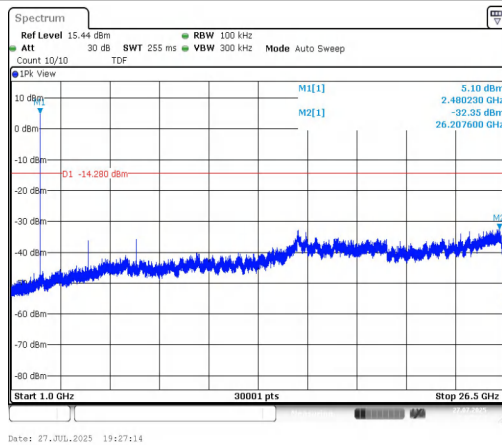
BLE_1M-Ant1-2440-30~1000-PASS

BLE_1M-Ant1-2440-1000~26500-PASS



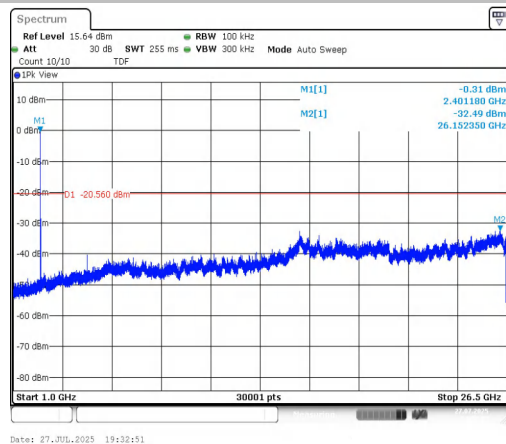
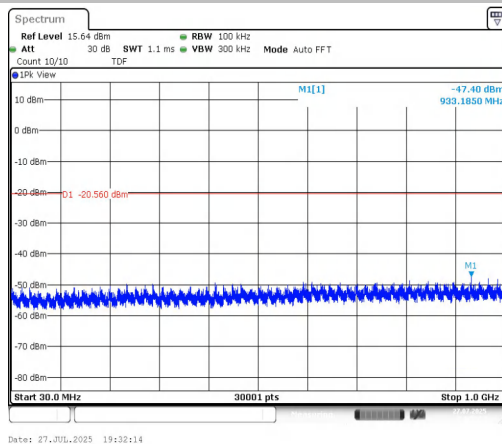
BLE_1M-Ant1-2480-0~Reference-PASS

BLE_1M-Ant1-2480-30~1000-PASS



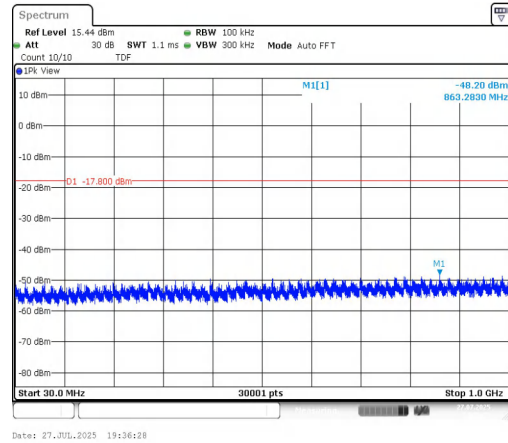
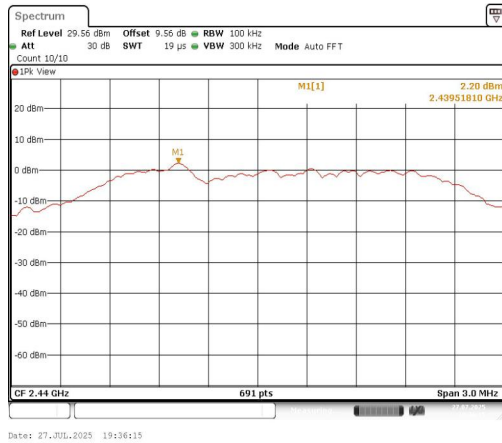
BLE_1M-Ant1-2480-1000~26500-PASS

BLE_2M-Ant1-2402-0~Reference-PASS



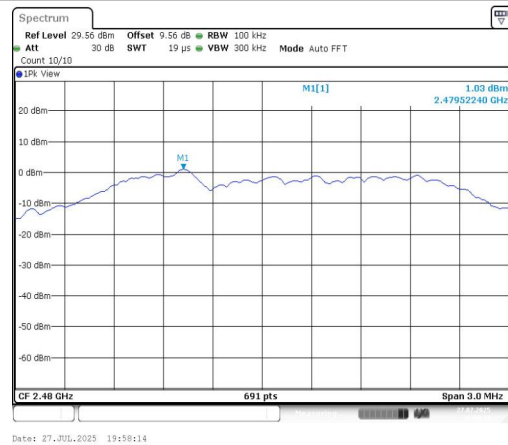
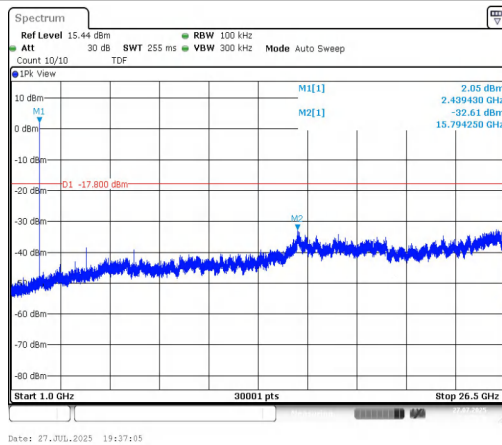
BLE_2M-Ant1-2402-30~1000-PASS

BLE_2M-Ant1-2402-1000~26500-PASS



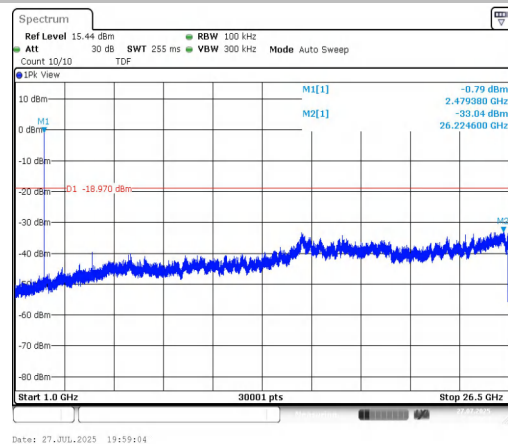
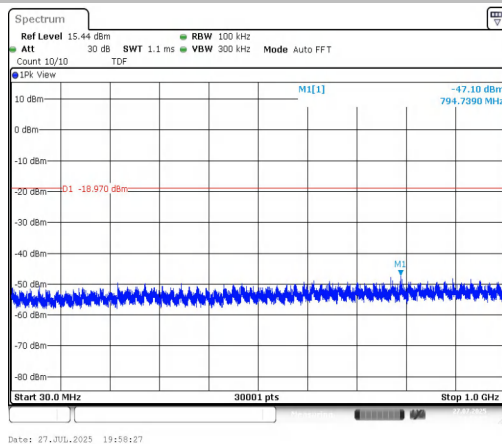
BLE_2M-Ant1-2440-0~Reference-PASS

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



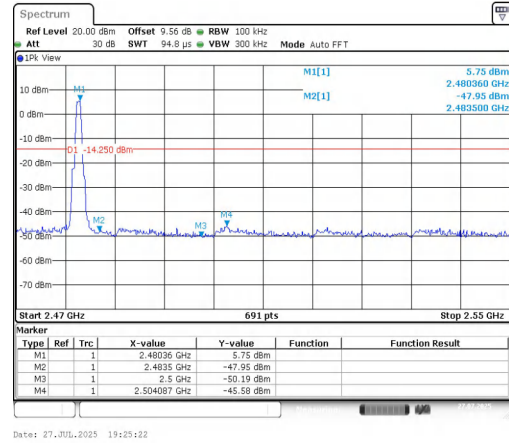
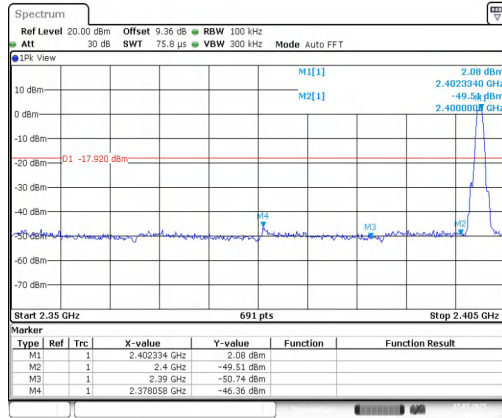
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.08	-46.36	≤ -17.92	PASS
BLE_1M	Ant1	High	2480	5.75	-45.58	≤ -14.25	PASS
BLE_2M	Ant1	Low	2402	-0.68	-26.4	≤ -20.68	PASS
BLE_2M	Ant1	High	2480	1.01	-45.66	≤ -18.99	PASS

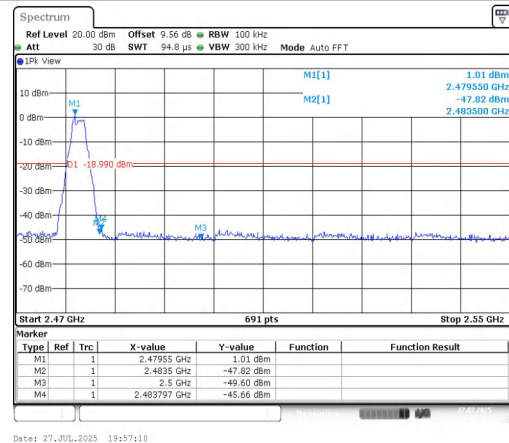
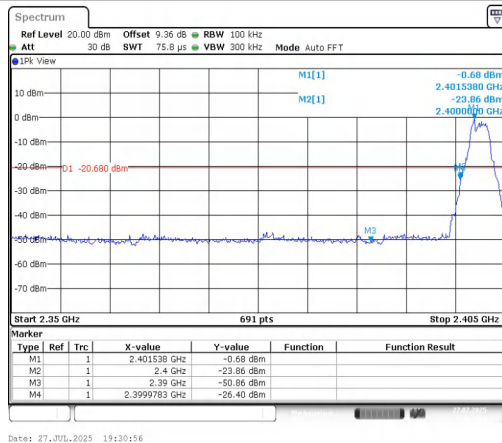


Test Graphs



BLE_1M-Ant1-2402-PASS

BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

BLE_2M-Ant1-2480-PASS



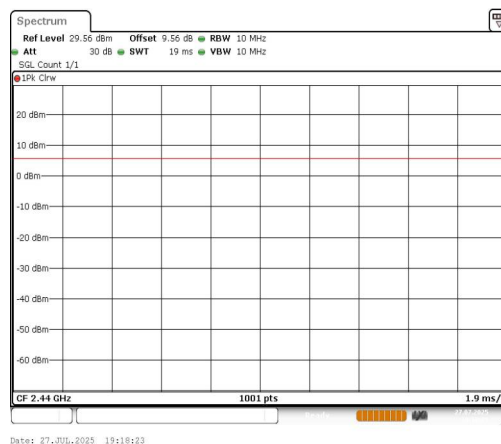
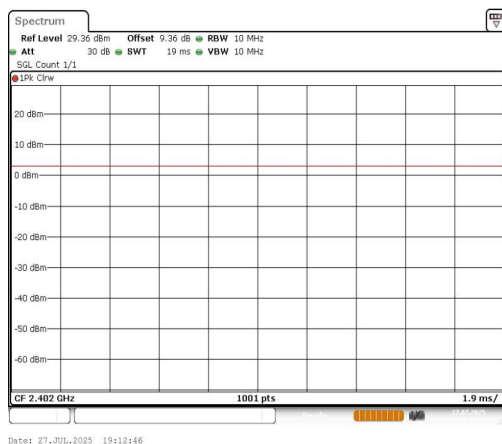
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.00	0.00	100
BLE_1M	Ant1	2440	0.00	0.00	100
BLE_1M	Ant1	2480	0.00	0.00	100
BLE_2M	Ant1	2402	0.00	0.00	100
BLE_2M	Ant1	2440	0.00	0.00	100
BLE_2M	Ant1	2480	0.00	0.00	100

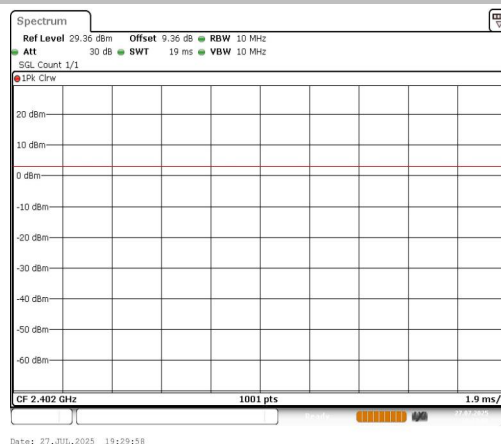
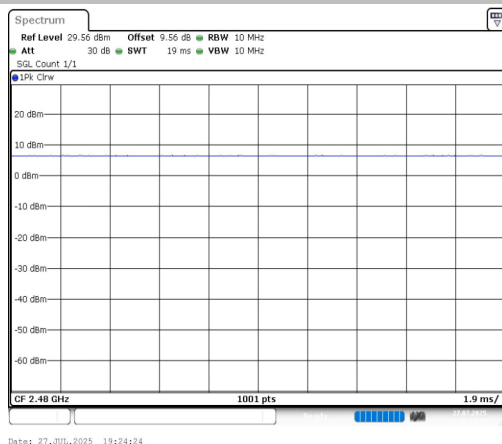


Test Graphs



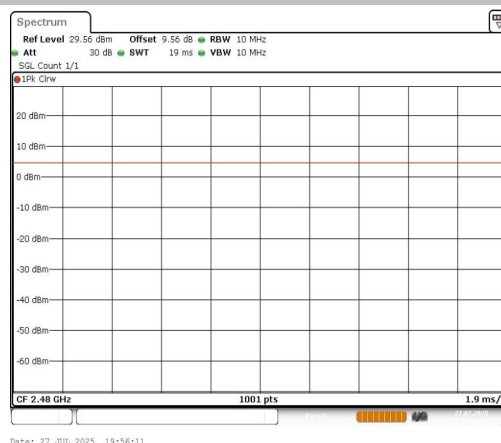
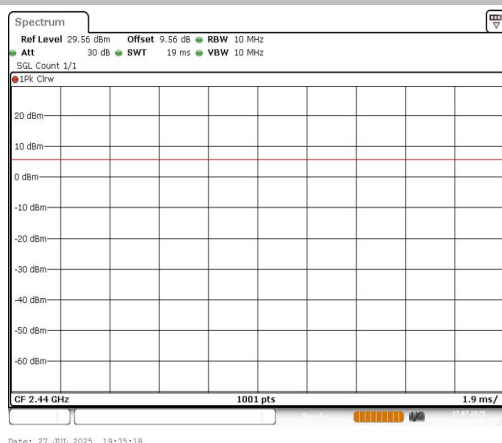
NTNV-BLE_1M-Ant1-2402

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

-----END-----