



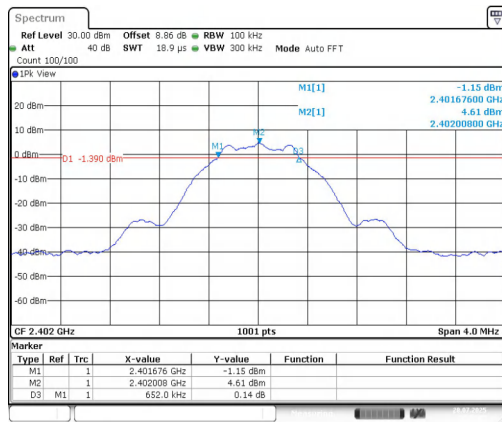
Appendix A: DTS Bandwidth

Test Result

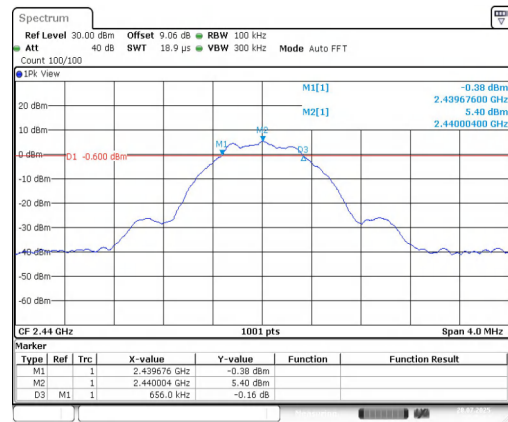
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.68	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.68	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.68	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.12	2401.45	2402.57	0.5	PASS
BLE_2M	Ant1	2440	1.11	2439.46	2440.57	0.5	PASS
BLE_2M	Ant1	2480	1.11	2479.46	2480.57	0.5	PASS



Test Graphs



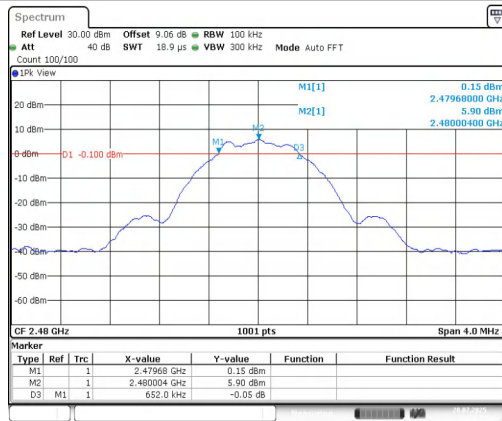
Date: 28.JUL.2025 17:50:55



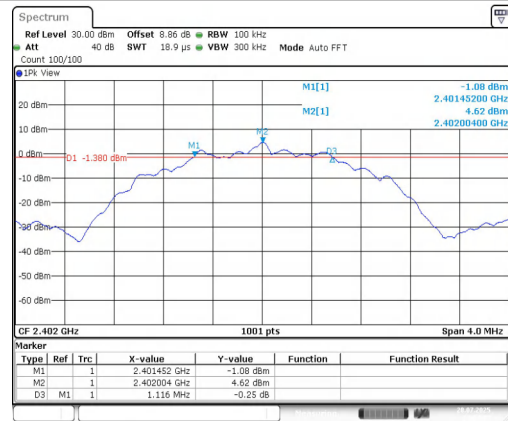
Date: 28.JUL.2025 17:55:01

BLE_1M-Ant1-2402-PASS

BLE_1M-Ant1-2440-PASS



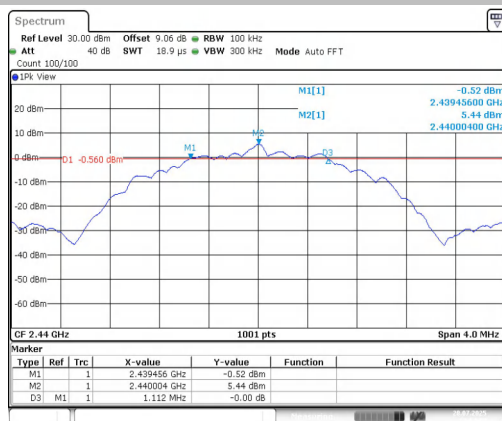
Date: 28.JUL.2025 18:30:21



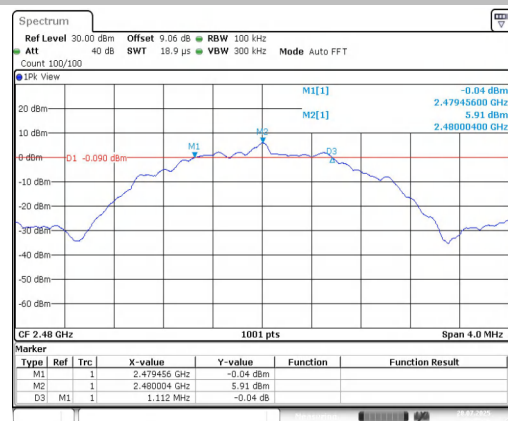
Date: 28.JUL.2025 18:00:51

BLE_1M-Ant1-2480-PASS

BLE_2M-Ant1-2402-PASS



Date: 28.JUL.2025 18:04:31



Date: 28.JUL.2025 18:27:40

BLE_2M-Ant1-2440-PASS

BLE_2M-Ant1-2480-PASS



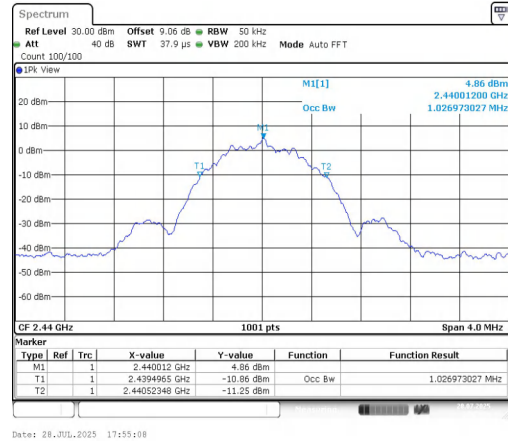
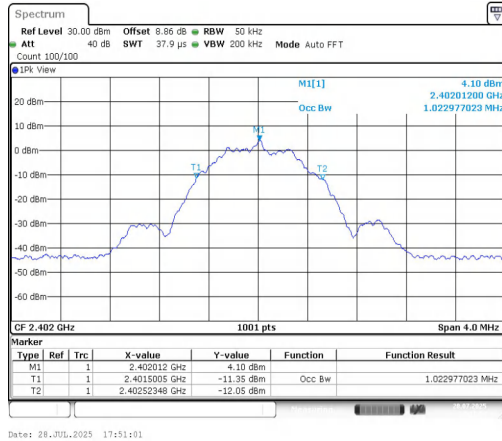
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.023	2401.5005	2402.5235	---	---
BLE_1M	Ant1	2440	1.027	2439.4965	2440.5235	---	---
BLE_1M	Ant1	2480	1.031	2479.4925	2480.5235	---	---
BLE_2M	Ant1	2402	2.058	2400.9930	2403.0509	---	---
BLE_2M	Ant1	2440	2.066	2438.9810	2441.0470	---	---
BLE_2M	Ant1	2480	2.054	2478.9930	2481.0470	---	---

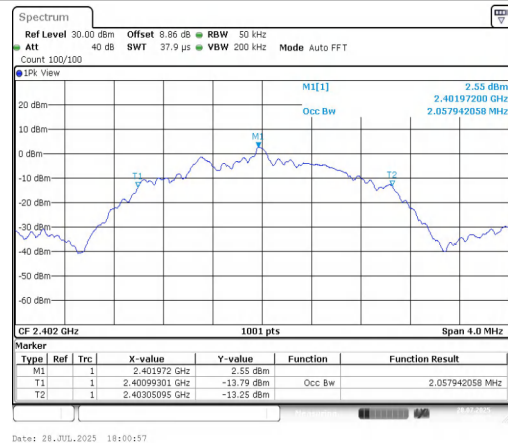
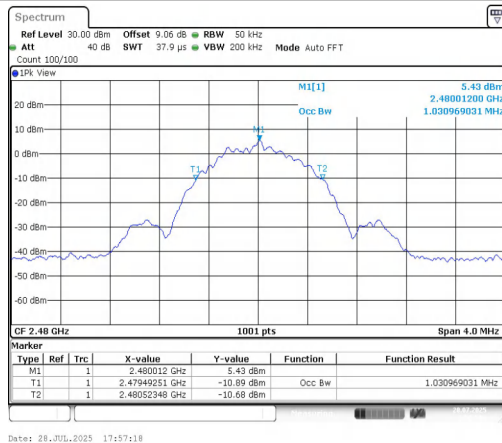


Test Graphs



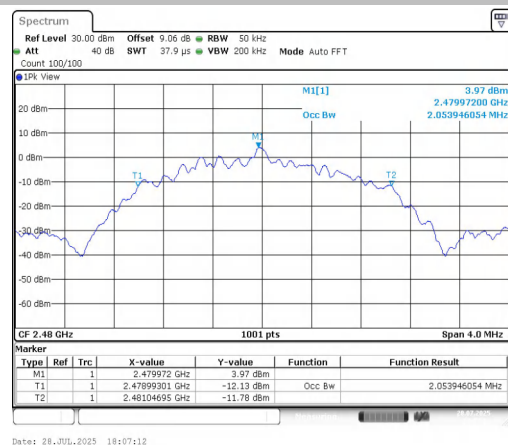
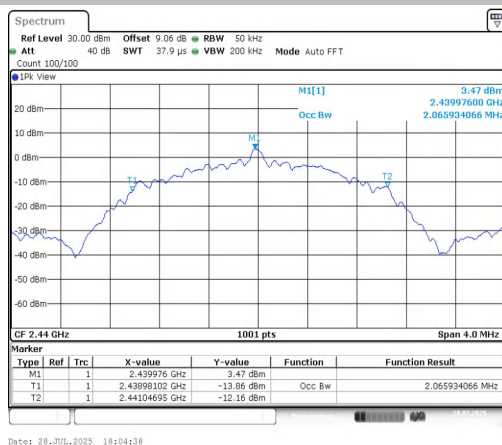
BLE_1M-Ant1-2402

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]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	5.00	≤30	4.30	9.30	--	PASS
BLE_1M	Ant1	2440	5.70	≤30	4.30	10.00	--	PASS
BLE_1M	Ant1	2480	6.21	≤30	4.30	10.51	--	PASS
BLE_2M	Ant1	2402	5.07	≤30	4.30	9.37	--	PASS
BLE_2M	Ant1	2440	5.85	≤30	4.30	10.15	--	PASS
BLE_2M	Ant1	2480	6.28	≤30	4.30	10.58	--	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	2.22	62.90	2.01	4.23	≤30.00	4.30	8.53	--	PASS
BLE_1M	Ant1	2440	2.80	62.90	2.01	4.81	≤30.00	4.30	9.11	--	PASS
BLE_1M	Ant1	2480	2.76	62.90	2.01	4.77	≤30.00	4.30	9.07	--	PASS
BLE_2M	Ant1	2402	-0.37	33.87	4.70	4.33	≤30.00	4.30	8.63	--	PASS
BLE_2M	Ant1	2440	0.15	33.87	4.70	4.85	≤30.00	4.30	9.15	--	PASS
BLE_2M	Ant1	2480	-0.07	33.87	4.70	4.63	≤30.00	4.30	8.93	--	PASS



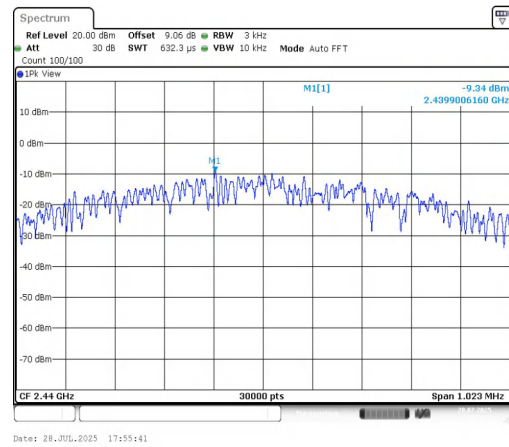
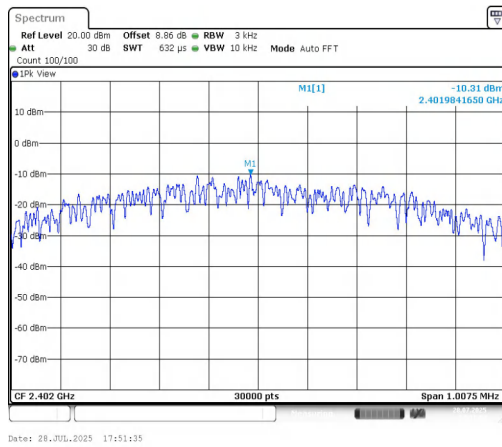
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.31	≤8.00	PASS
BLE_1M	Ant1	2440	-9.34	≤8.00	PASS
BLE_1M	Ant1	2480	-8.95	≤8.00	PASS
BLE_2M	Ant1	2402	-12.36	≤8.00	PASS
BLE_2M	Ant1	2440	-11.49	≤8.00	PASS
BLE_2M	Ant1	2480	-11.87	≤8.00	PASS

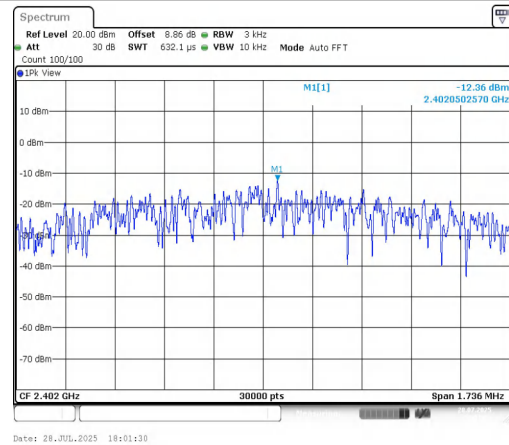
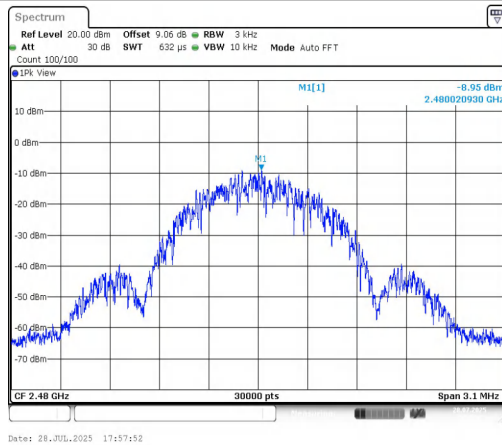


Test Graphs



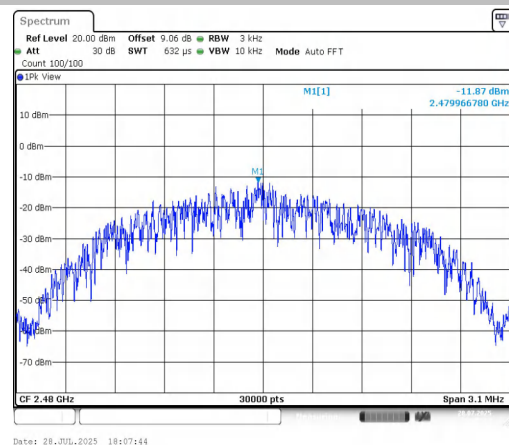
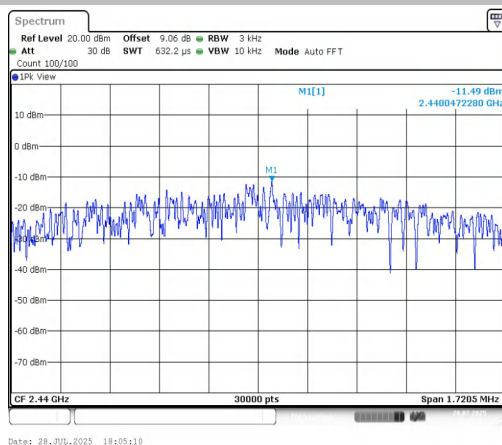
BLE_1M-Ant1-2402-PASS

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



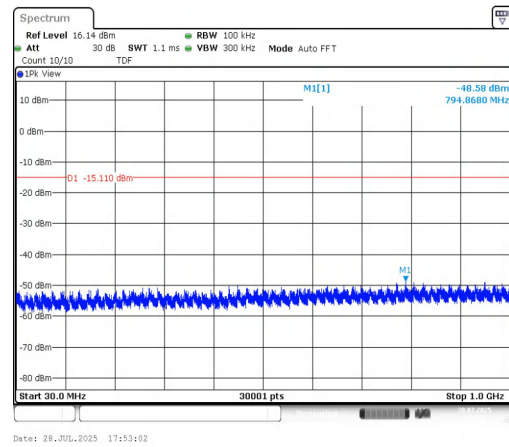
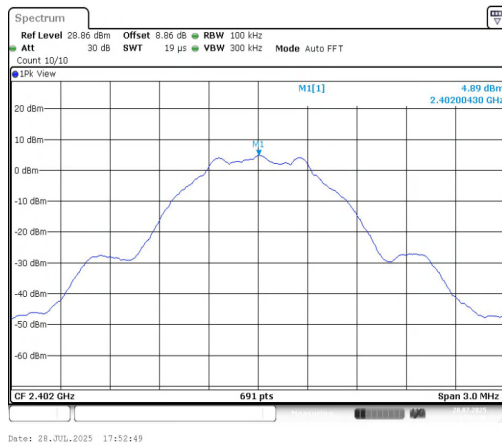
Appendix E: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.89	4.89	---	PASS
BLE_1M	Ant1	2402	30~1000	4.89	-48.58	≤ -15.11	PASS
BLE_1M	Ant1	2402	1000~26500	4.89	-33.1	≤ -15.11	PASS
BLE_1M	Ant1	2440	0~Reference	5.70	5.70	---	PASS
BLE_1M	Ant1	2440	30~1000	5.70	-48.91	≤ -14.3	PASS
BLE_1M	Ant1	2440	1000~26500	5.70	-32.5	≤ -14.3	PASS
BLE_1M	Ant1	2480	0~Reference	6.11	6.11	---	PASS
BLE_1M	Ant1	2480	30~1000	6.11	-49.15	≤ -13.89	PASS
BLE_1M	Ant1	2480	1000~26500	6.11	-32.92	≤ -13.89	PASS
BLE_2M	Ant1	2402	0~Reference	4.94	4.94	---	PASS
BLE_2M	Ant1	2402	30~1000	4.94	-48.87	≤ -15.06	PASS
BLE_2M	Ant1	2402	1000~26500	4.94	-32.86	≤ -15.06	PASS
BLE_2M	Ant1	2440	0~Reference	5.69	5.69	---	PASS
BLE_2M	Ant1	2440	30~1000	5.69	-48.89	≤ -14.31	PASS
BLE_2M	Ant1	2440	1000~26500	5.69	-32.83	≤ -14.31	PASS
BLE_2M	Ant1	2480	0~Reference	6.14	6.14	---	PASS
BLE_2M	Ant1	2480	30~1000	6.14	-48.14	≤ -13.86	PASS
BLE_2M	Ant1	2480	1000~26500	6.14	-32.15	≤ -13.86	PASS

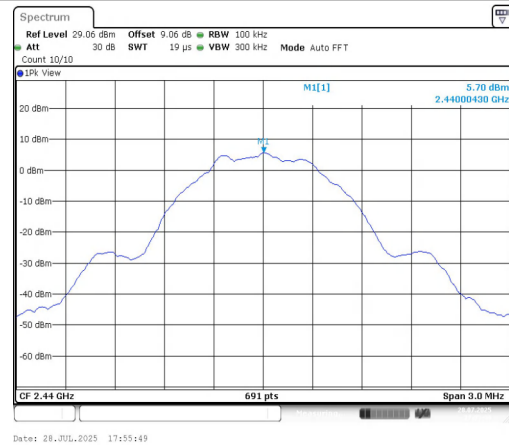
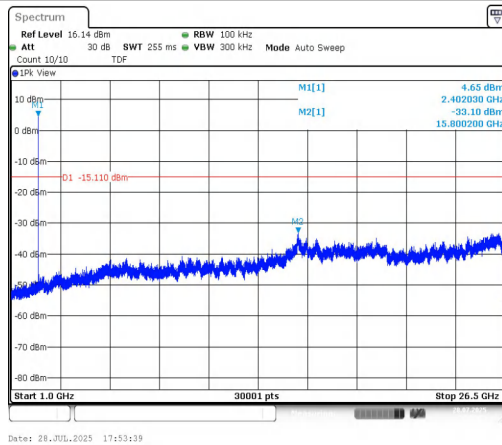


Test Graphs



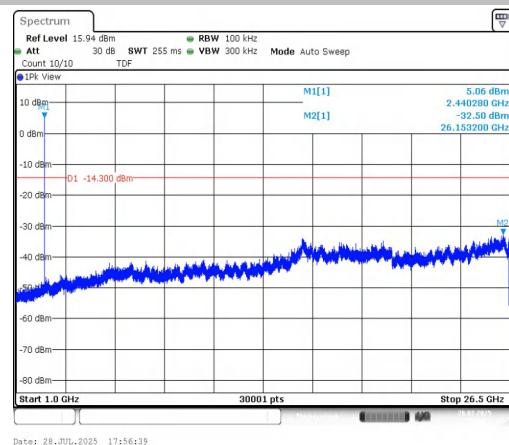
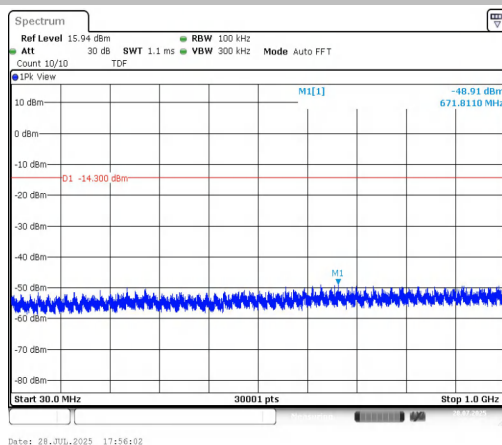
BLE_1M-Ant1-2402-0~Reference-PASS

BLE_1M-Ant1-2402-30~1000-PASS



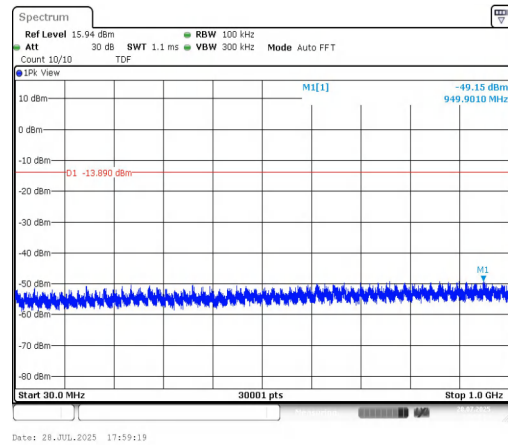
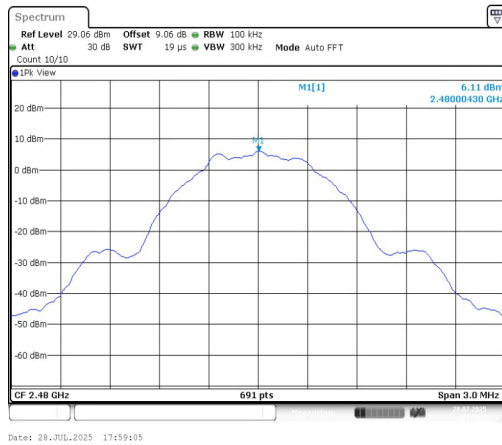
BLE_1M-Ant1-2402-1000~26500-PASS

BLE_1M-Ant1-2440-0~Reference-PASS



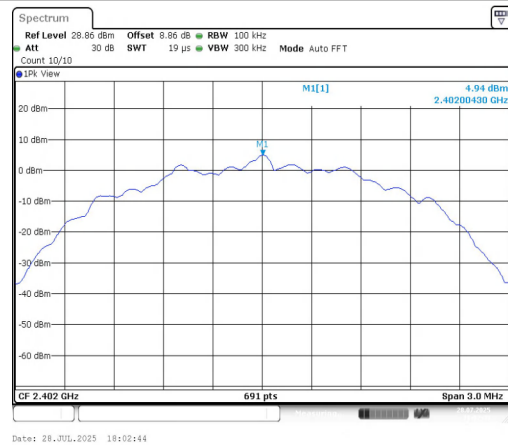
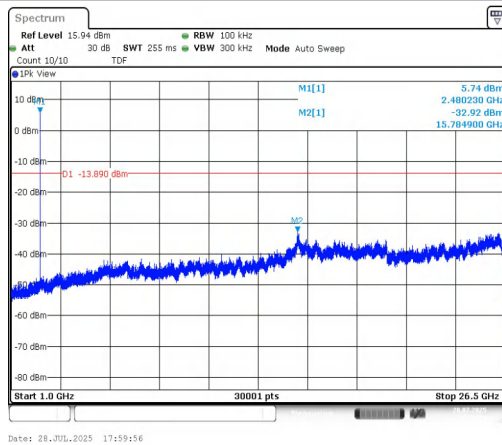
BLE_1M-Ant1-2440-30~1000-PASS

BLE_1M-Ant1-2440-1000~26500-PASS



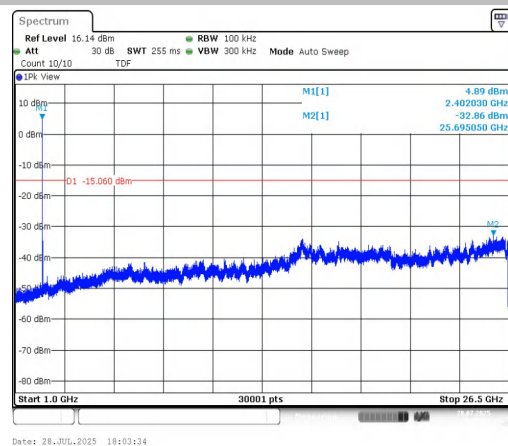
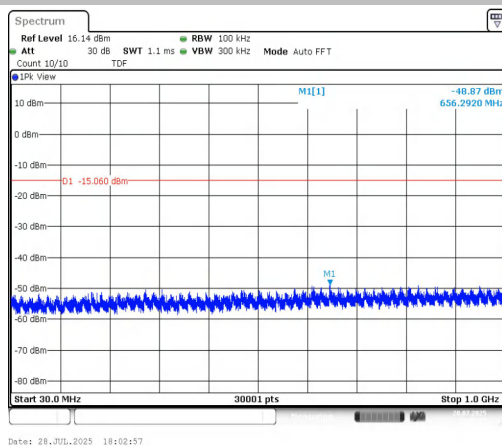
BLE_1M-Ant1-2480-0~Reference-PASS

BLE_1M-Ant1-2480-30~1000-PASS



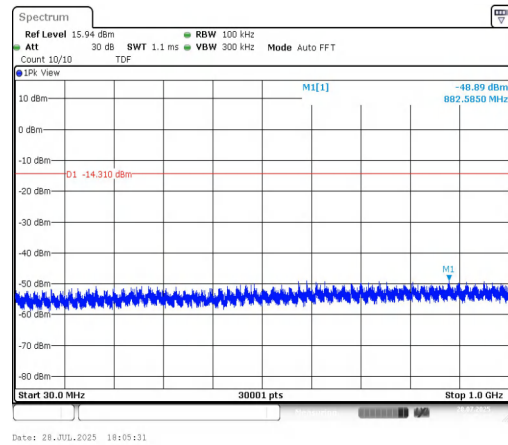
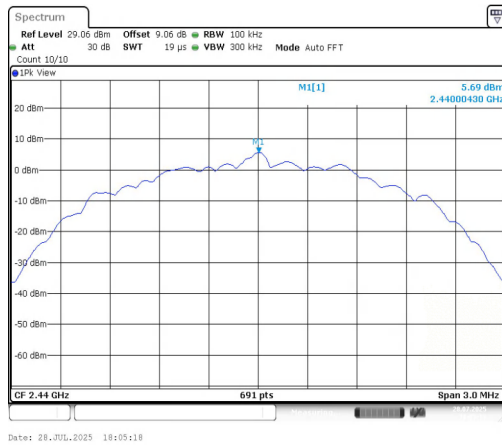
BLE_1M-Ant1-2480-1000~26500-PASS

BLE_2M-Ant1-2402-0~Reference-PASS



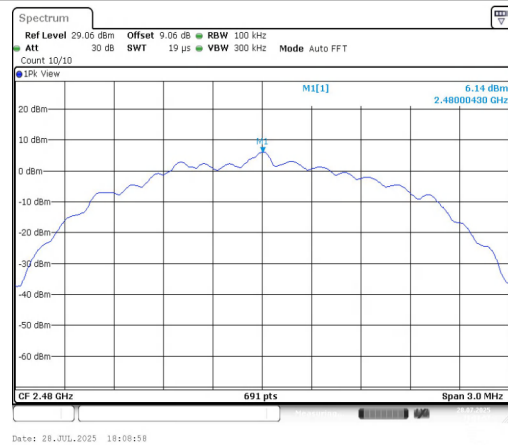
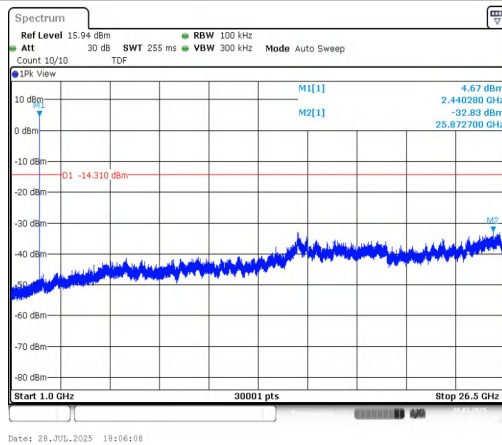
BLE_2M-Ant1-2402-30~1000-PASS

BLE_2M-Ant1-2402-1000~26500-PASS



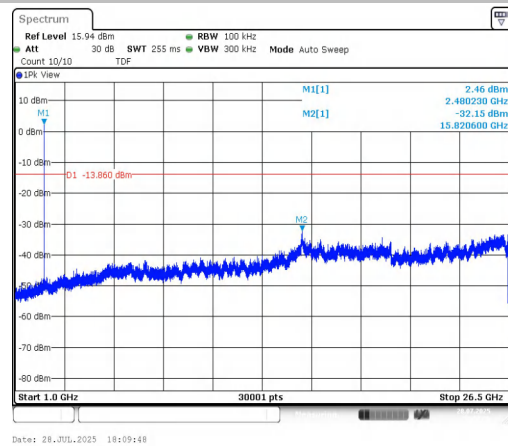
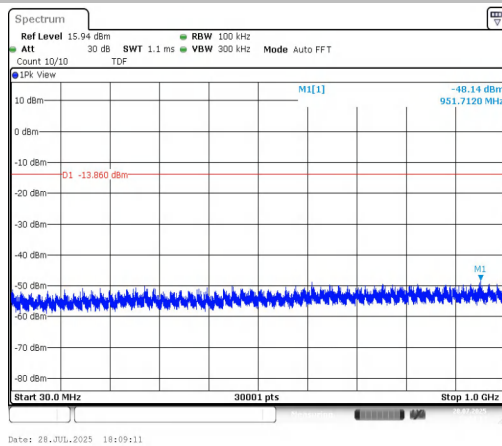
BLE_2M-Ant1-2440-0~Reference-PASS

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



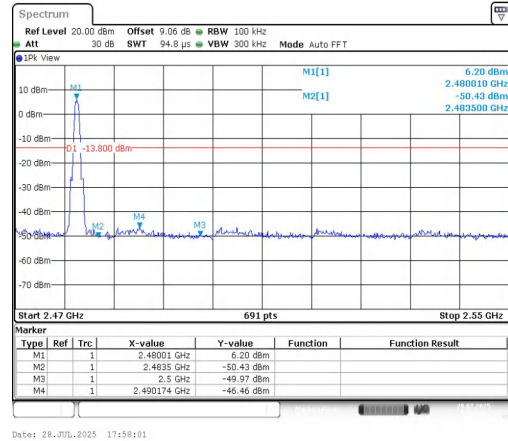
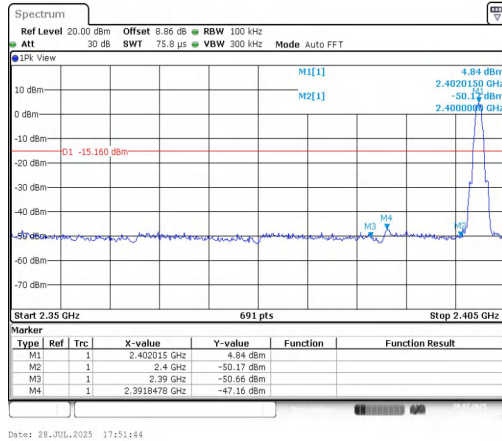
Appendix F: Band edge measurements

Test Result

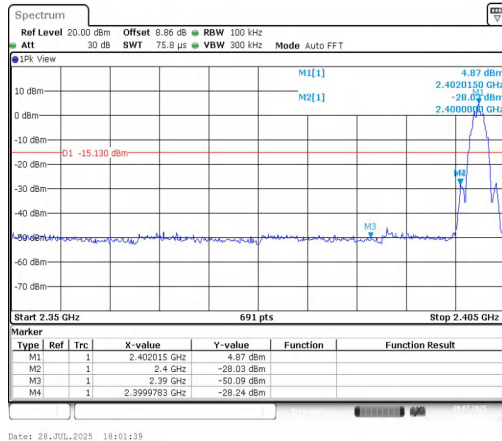
Test Mode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.84	-47.16	≤ -15.16	PASS
BLE_1M	Ant1	High	2480	6.20	-46.46	≤ -13.8	PASS
BLE_2M	Ant1	Low	2402	4.87	-28.24	≤ -15.13	PASS
BLE_2M	Ant1	High	2480	6.20	-45.88	≤ -13.8	PASS



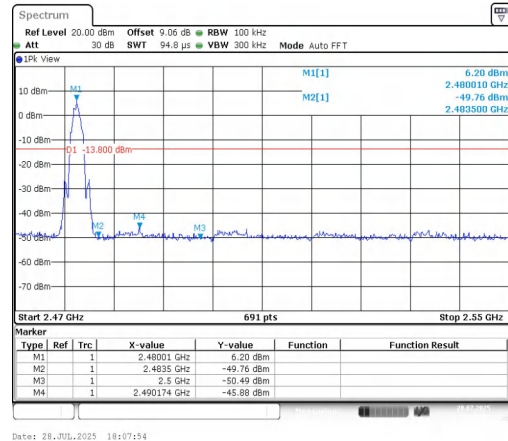
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

BLE_2M-Ant1-2480-PASS



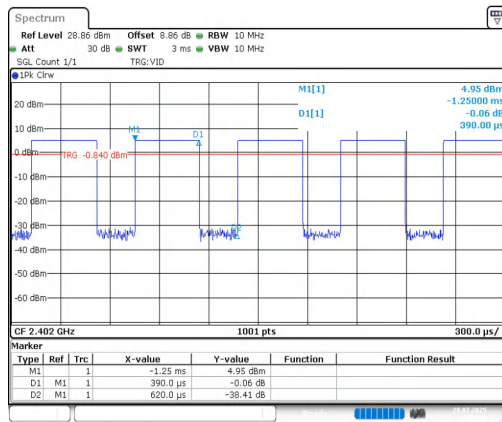
Appendix G: Duty Cycle

Test Result

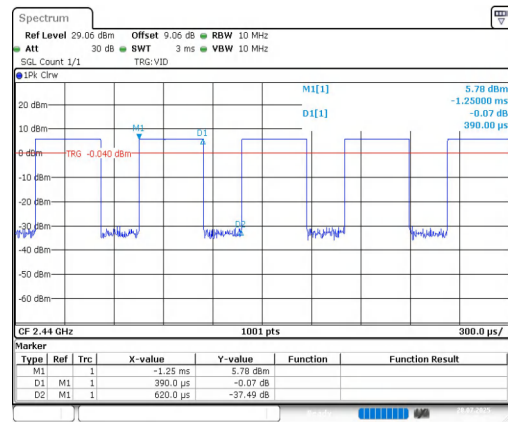
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.39	0.62	62.90
BLE_1M	Ant1	2440	0.39	0.62	62.90
BLE_1M	Ant1	2480	0.39	0.62	62.90
BLE_2M	Ant1	2402	0.21	0.62	33.87
BLE_2M	Ant1	2440	0.21	0.62	33.87
BLE_2M	Ant1	2480	0.21	0.62	33.87



Test Graphs



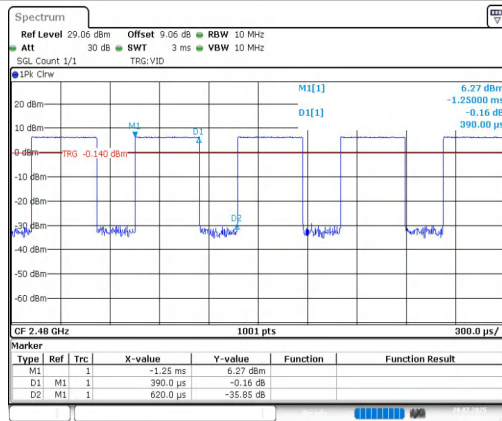
Date: 28.JUL.2025 17:50:46



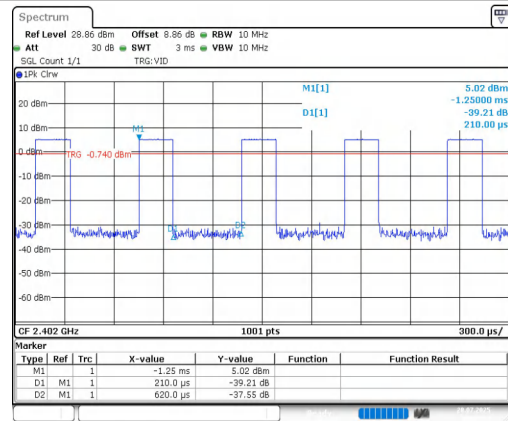
Date: 28.JUL.2025 18:26:22

NTNV-BLE_1M-Ant1-2402

NTNV-BLE_1M-Ant1-2440



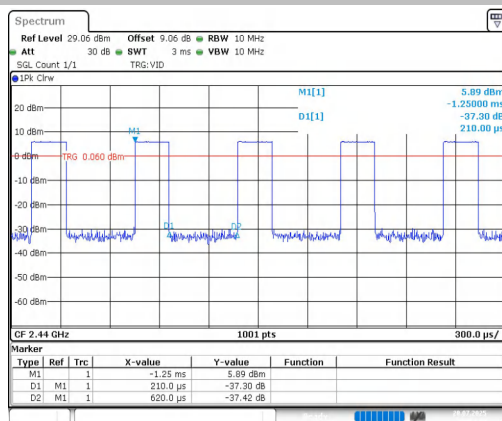
Date: 28.JUL.2025 17:57:04



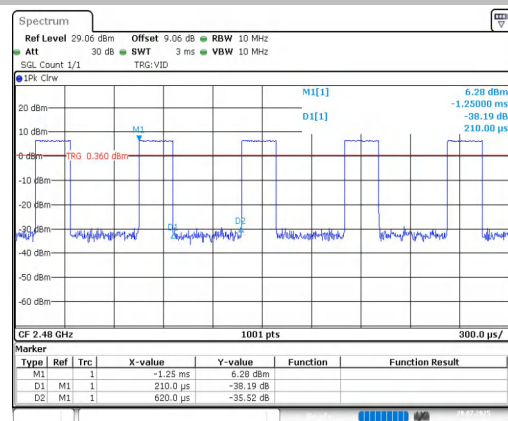
Date: 28.JUL.2025 18:00:43

NTNV-BLE_1M-Ant1-2480

NTNV-BLE_2M-Ant1-2402



Date: 28.JUL.2025 18:04:23



Date: 28.JUL.2025 18:27:33

NTNV-BLE_2M-Ant1-2440

NTNV-BLE_2M-Ant1-2480

-----END-----