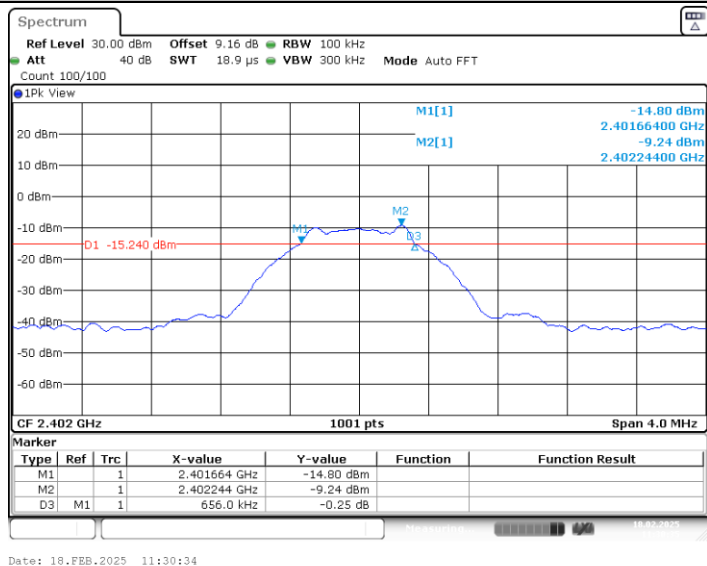

Appendix A: DTS Bandwidth

Test Result

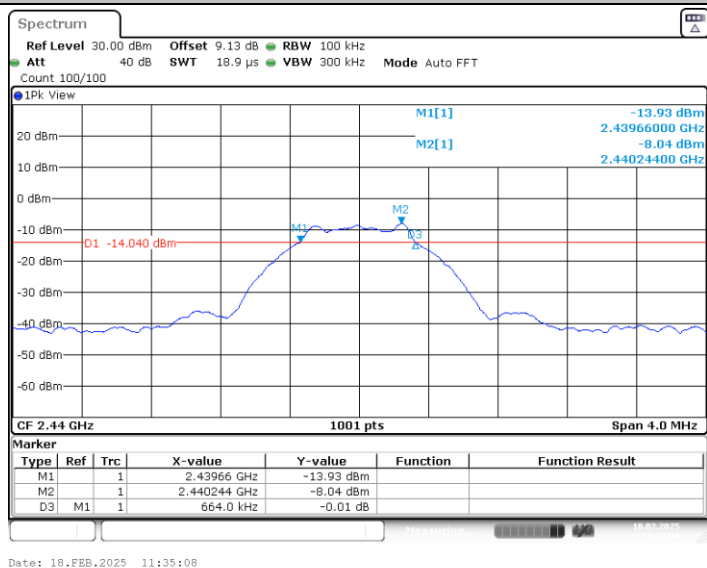
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.66	2402.32	0.5	PASS
		2440	0.66	2439.66	2440.32	0.5	PASS
		2480	0.66	2479.66	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.16	2401.42	2402.58	0.5	PASS
		2440	1.16	2439.41	2440.58	0.5	PASS
		2480	1.16	2479.42	2480.57	0.5	PASS

Test Graphs

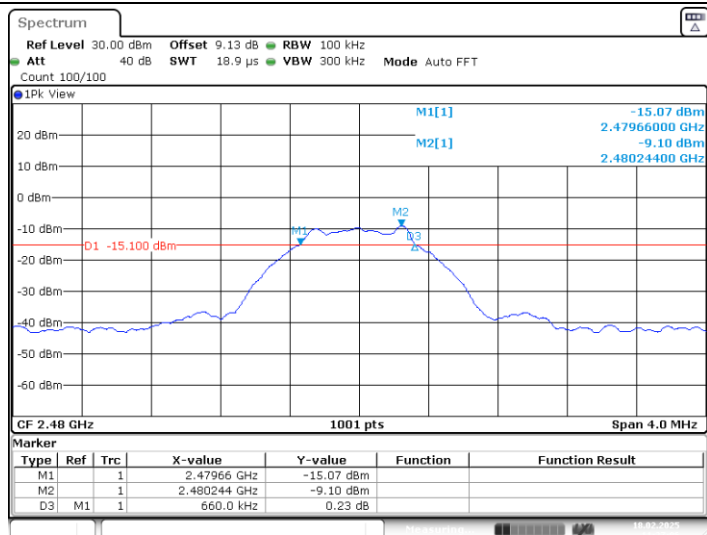
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

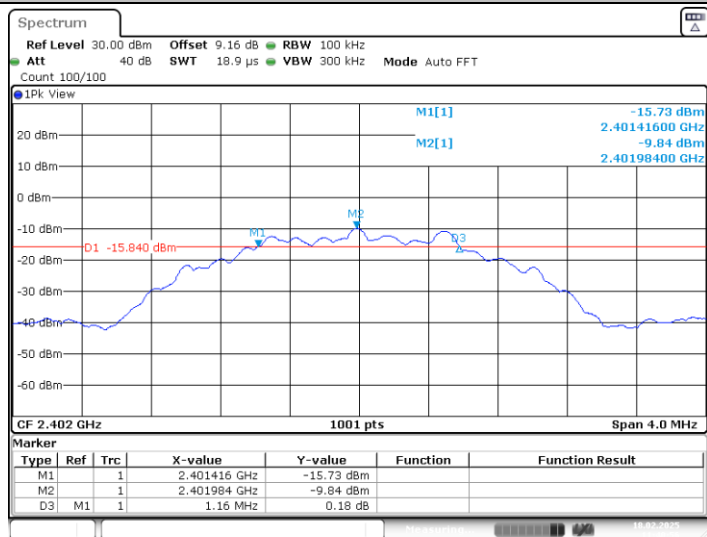


BLE_1M_Ant1_2480



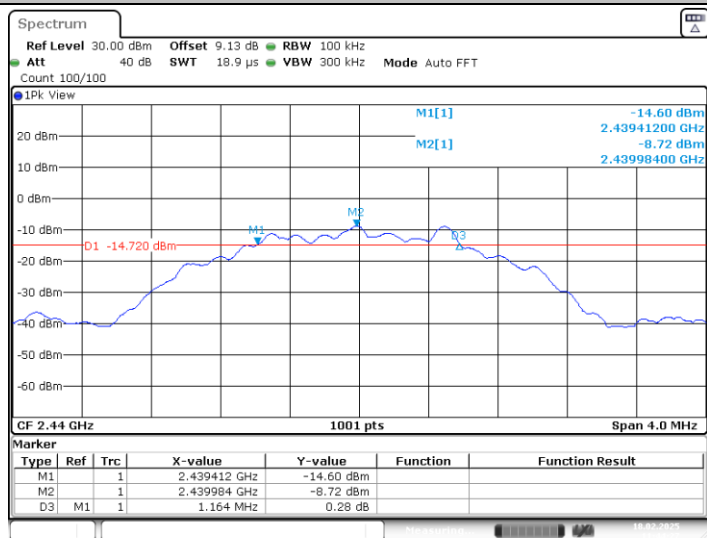
Date: 18.FEB.2025 11:37:06

BLE_2M_Ant1_2402



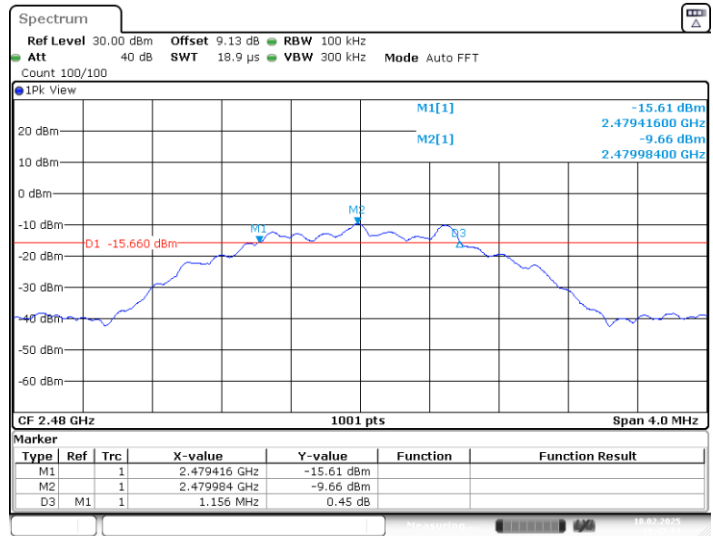
Date: 18.FEB.2025 11:40:55

BLE_2M_Ant1_2440



Date: 18.FEB.2025 11:44:27

BLE_2M_Ant1_2480

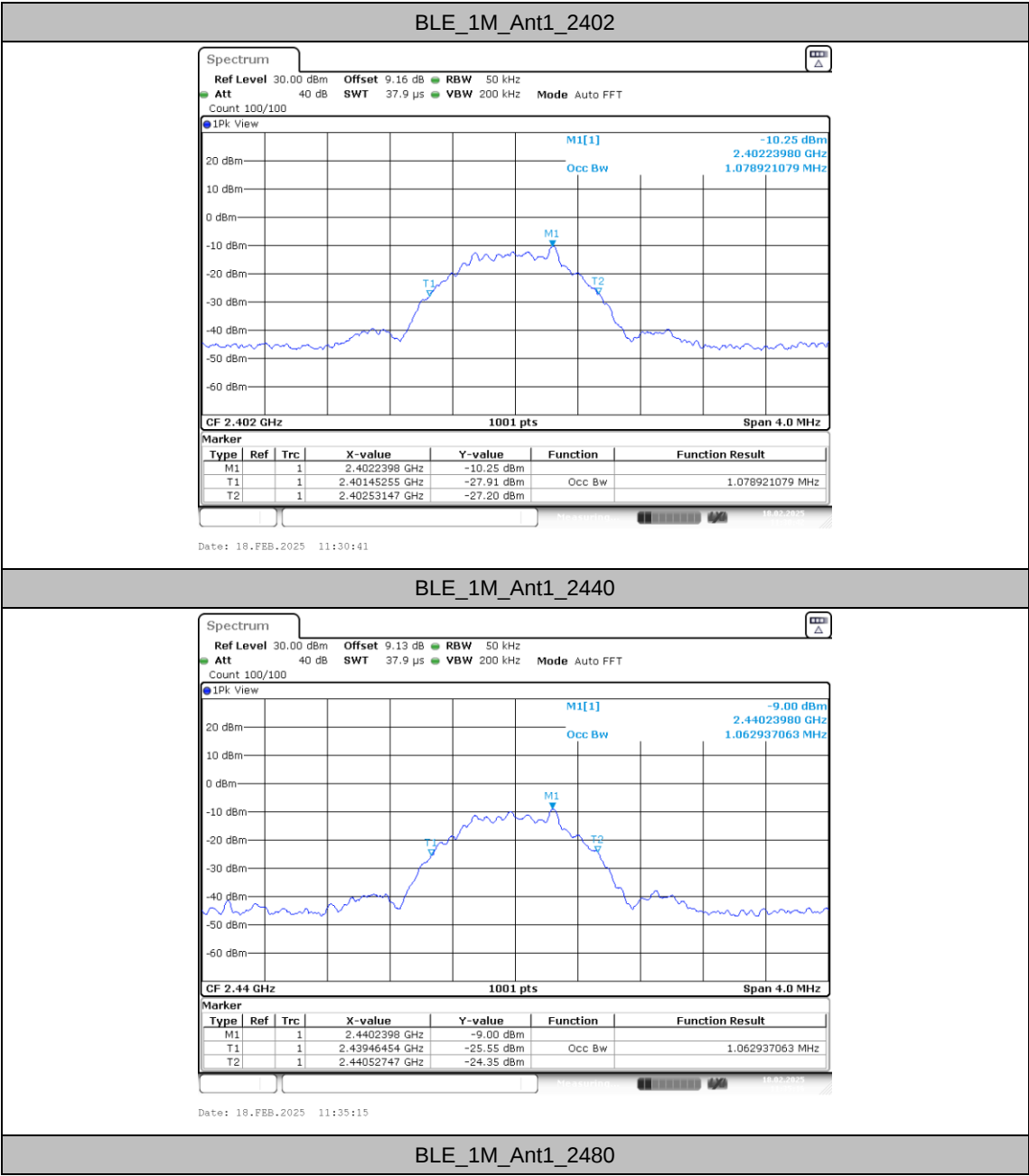


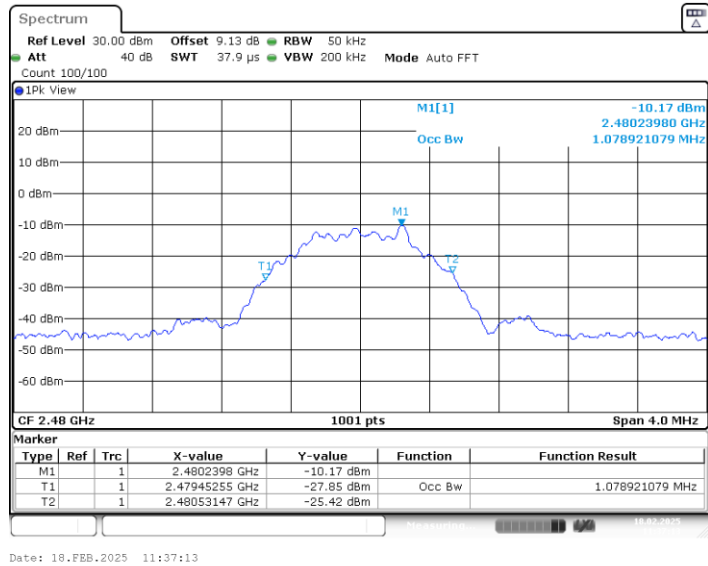
Appendix B: Occupied Channel Bandwidth

Test Result

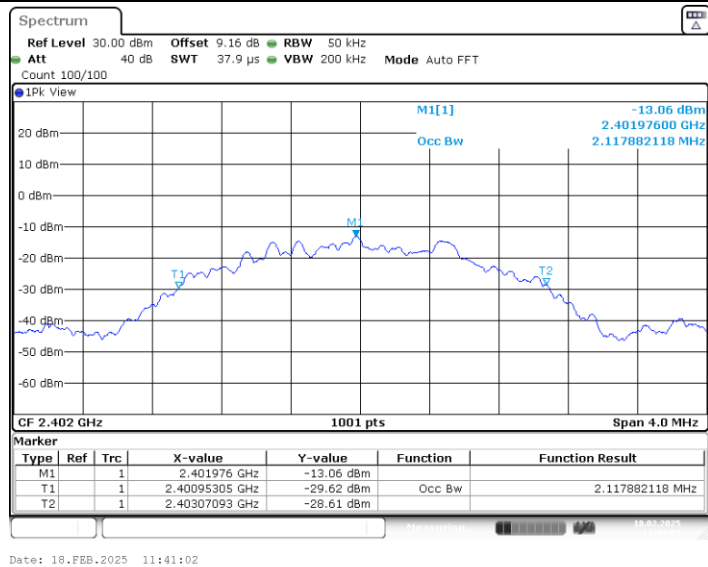
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.079	2401.4525	2402.5315	---	---
		2440	1.063	2439.4645	2440.5275	---	---
		2480	1.079	2479.4525	2480.5315	---	---
BLE_2M	Ant1	2402	2.118	2400.9530	2403.0709	---	---
		2440	2.106	2438.9491	2441.0549	---	---
		2480	2.114	2478.9491	2481.0629	---	---

Test Graphs

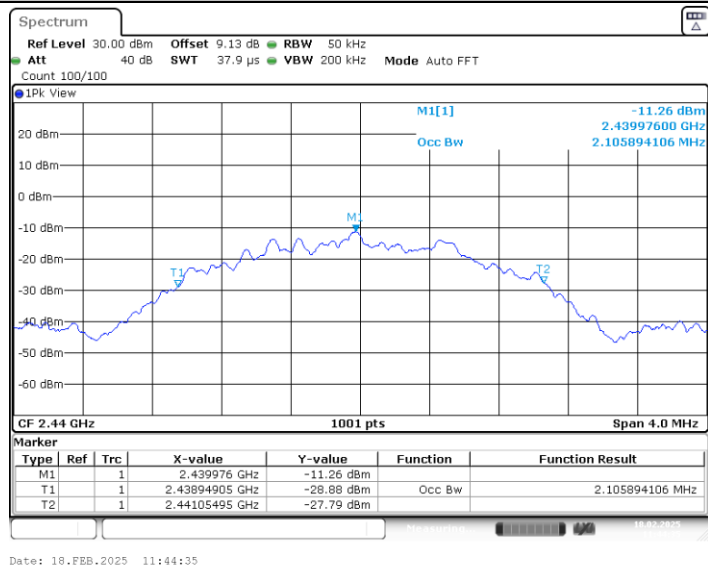




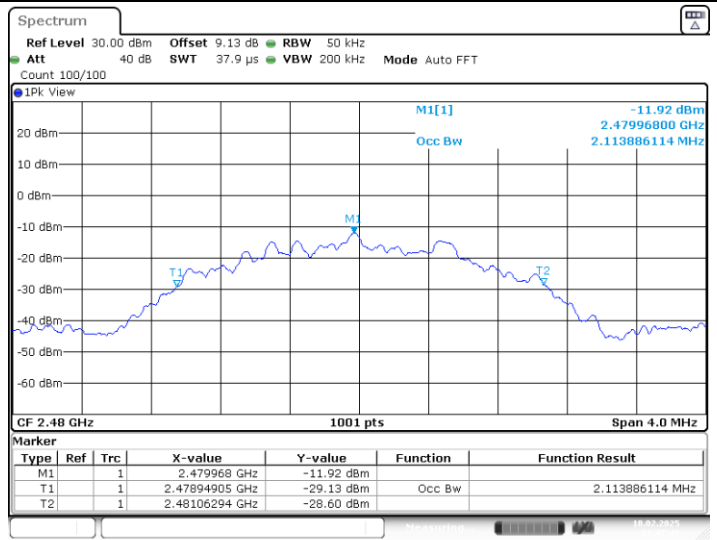
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



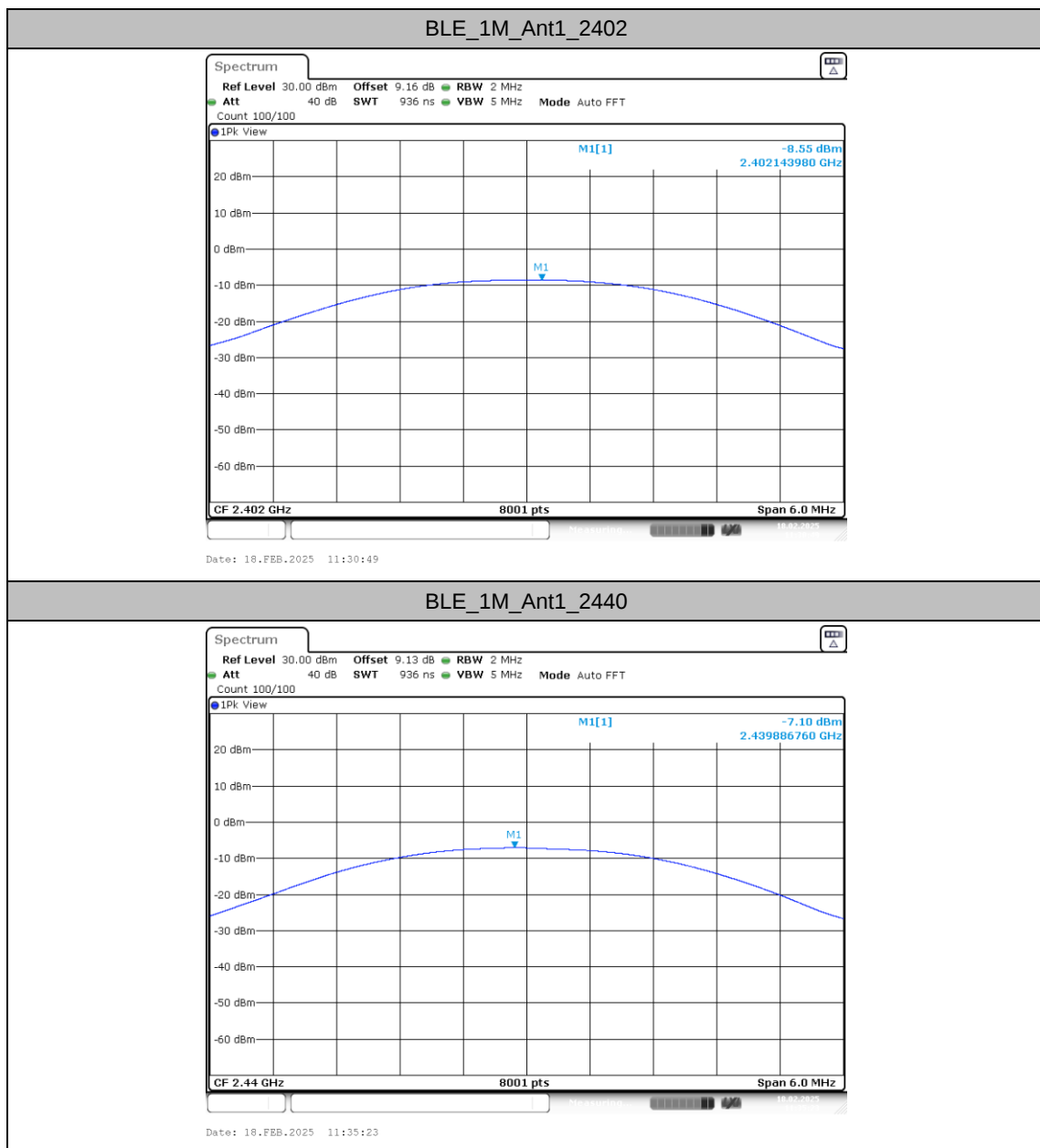
Date: 18.FEB.2025 11:47:41

Appendix C: Maximum conducted output power

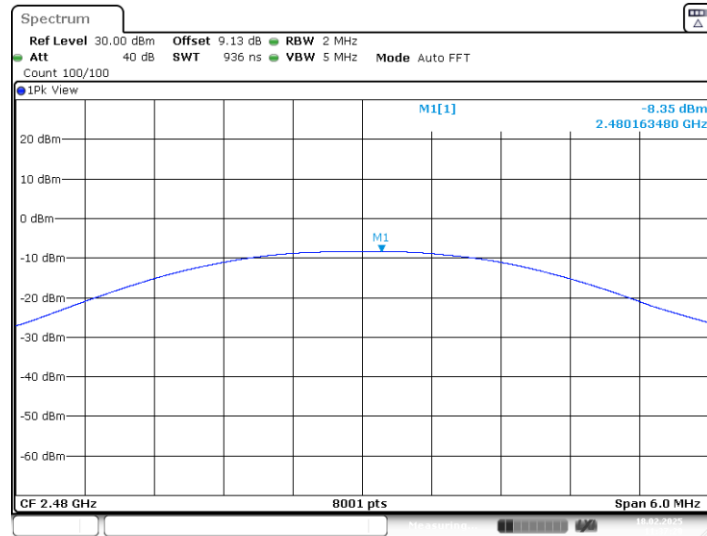
Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-8.55	≤30	-7.55	≤36	PASS
		2440	-7.10	≤30	-6.10	≤36	PASS
		2480	-8.35	≤30	-7.35	≤36	PASS
BLE_2M	Ant1	2402	-8.52	≤30	-7.52	≤36	PASS
		2440	-7.40	≤30	-6.40	≤36	PASS
		2480	-8.34	≤30	-7.34	≤36	PASS

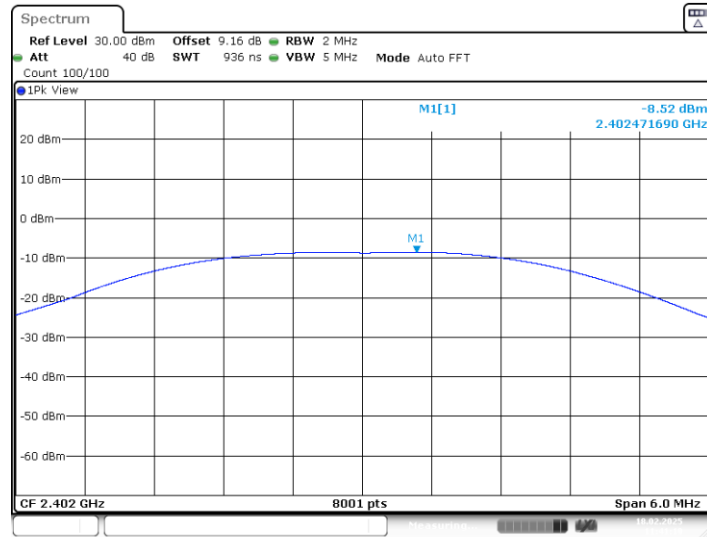
Test Graphs Peak



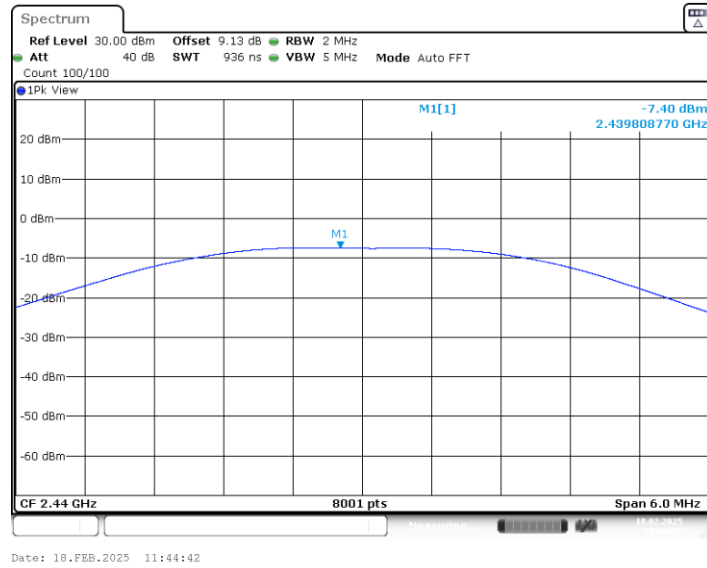
BLE_1M_Ant1_2480



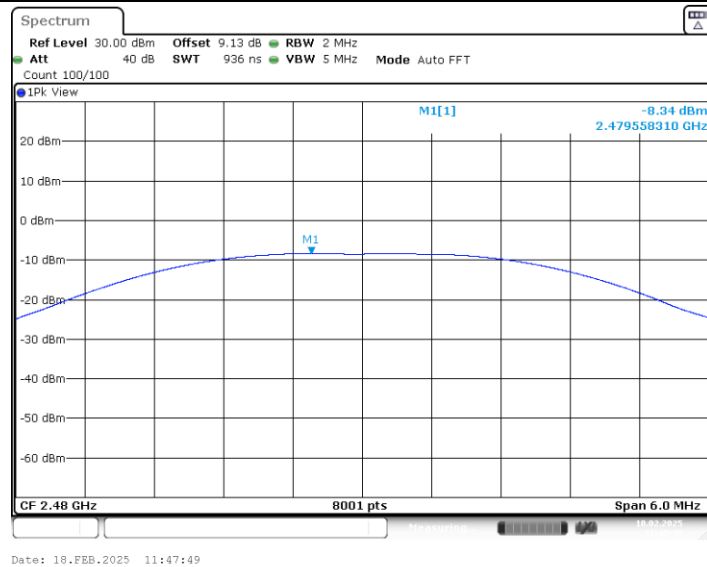
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

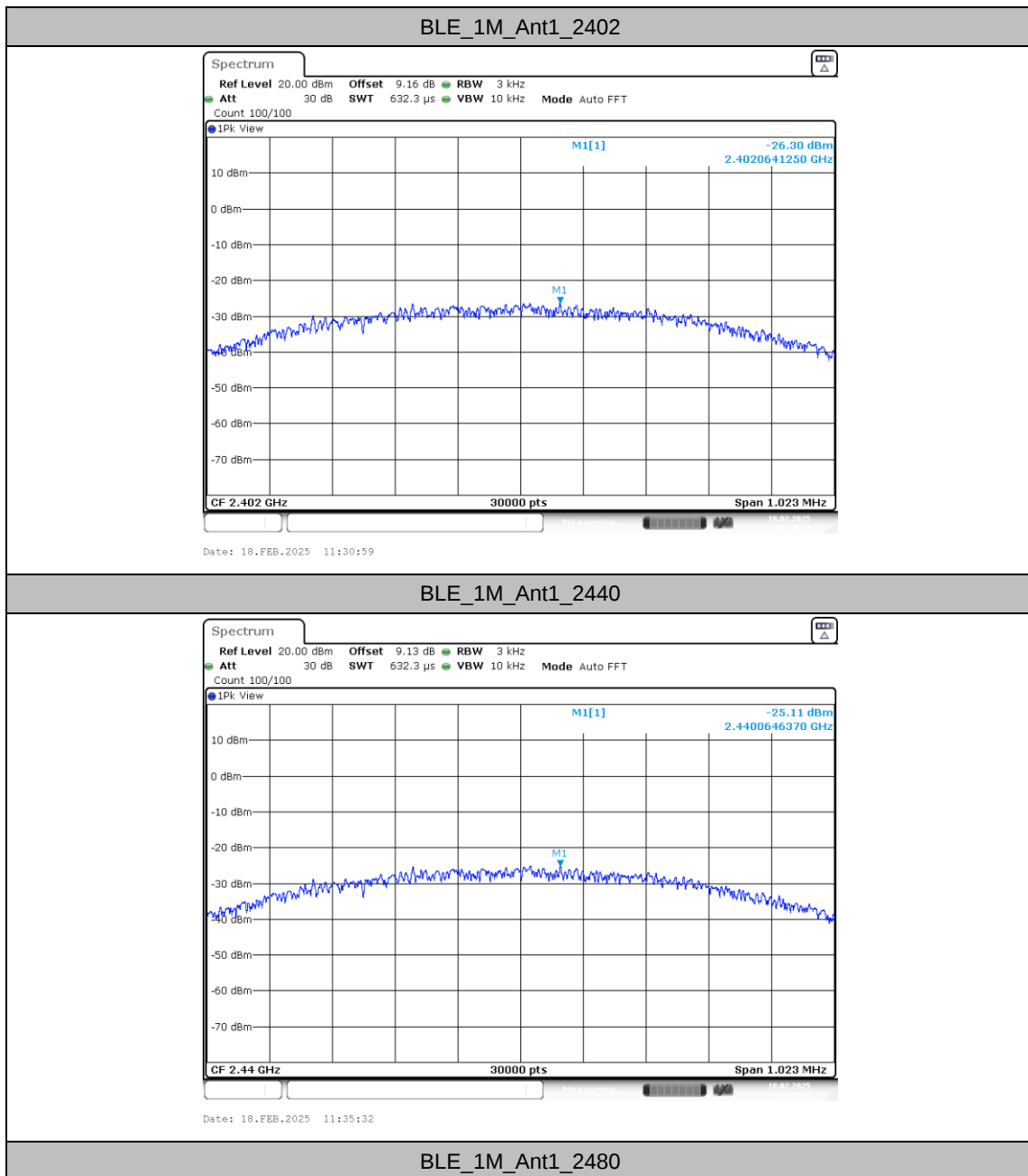


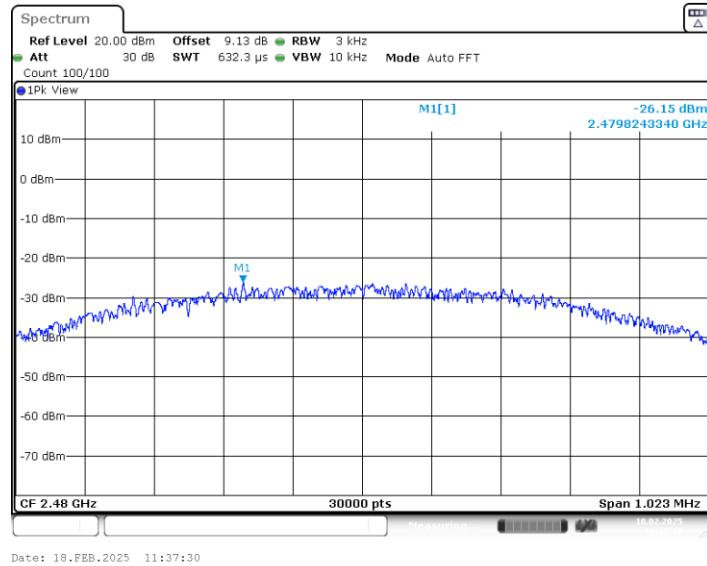
Appendix D: Maximum power spectral density

Test Result

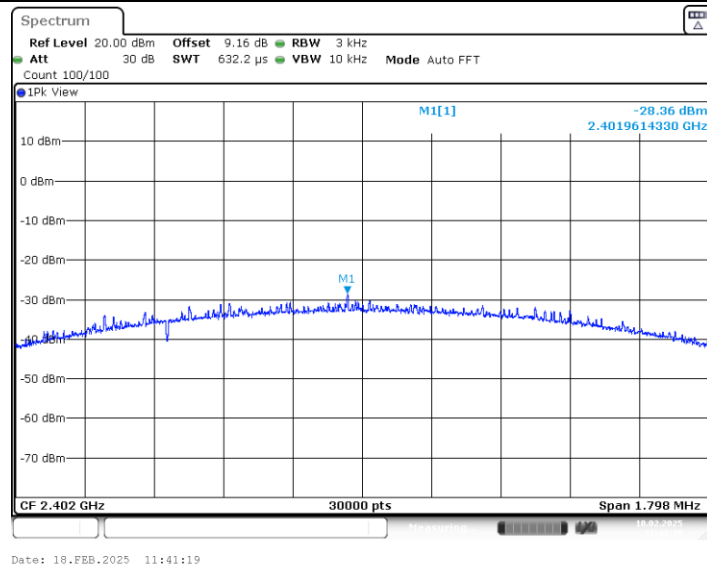
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-26.30	≤8.00	PASS
		2440	-25.11	≤8.00	PASS
		2480	-26.15	≤8.00	PASS
BLE_2M	Ant1	2402	-28.36	≤8.00	PASS
		2440	-26.86	≤8.00	PASS
		2480	-28.05	≤8.00	PASS

Test Graphs

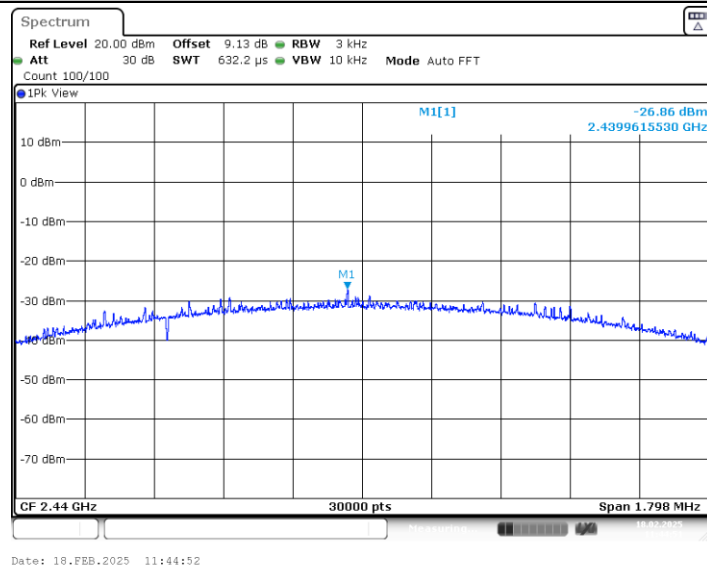




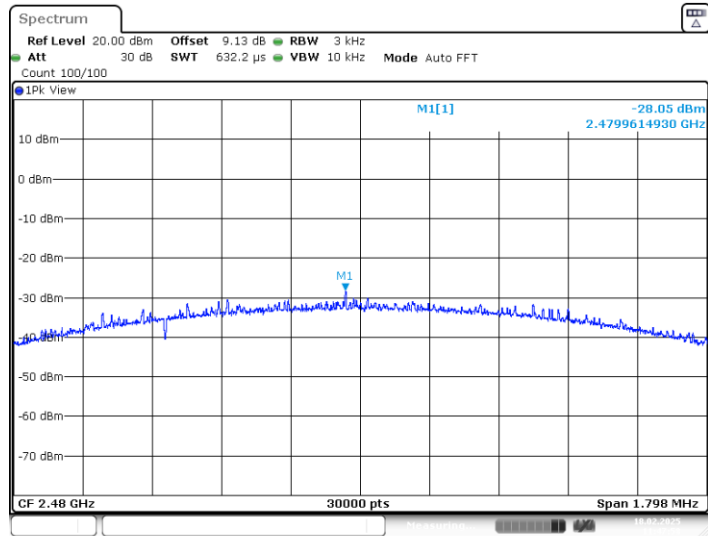
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



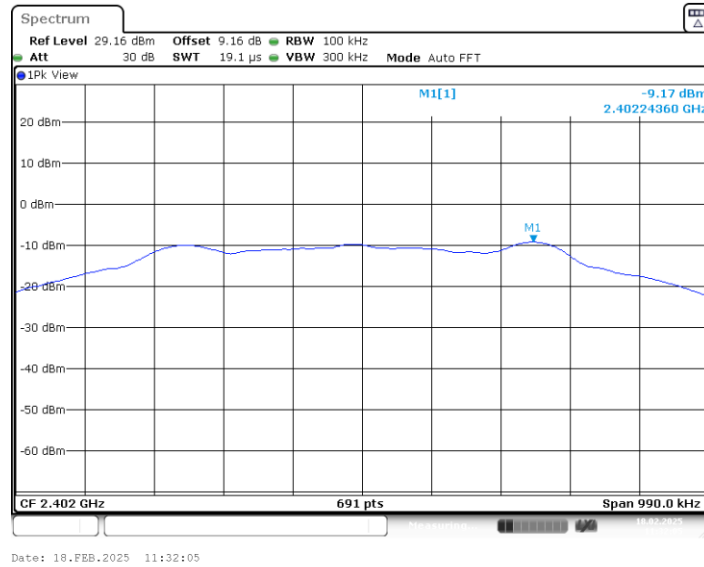
ppendix E: Reference level measurement

Test Result

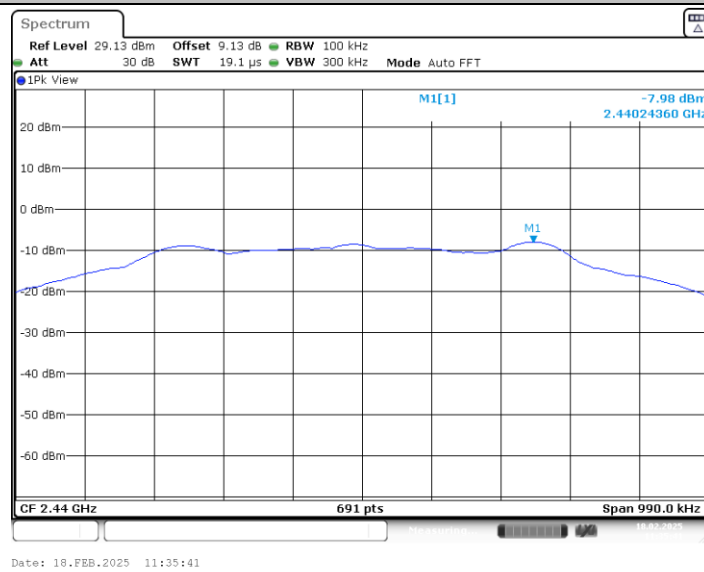
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.24	-9.17
		2440	2440.24	-7.98
		2480	2480.24	-9.14
BLE_2M	Ant1	2402	2401.98	-9.87
		2440	2439.98	-8.65
		2480	2479.98	-9.79

Test Graphs

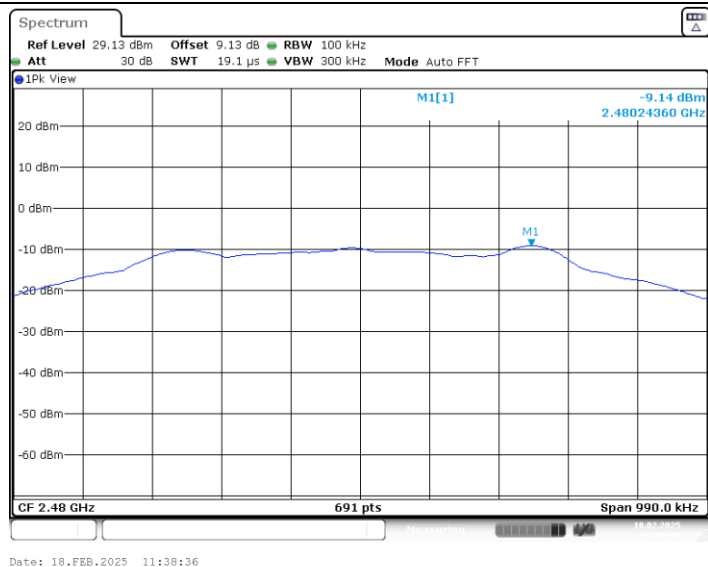
BLE_1M_Ant1_2402



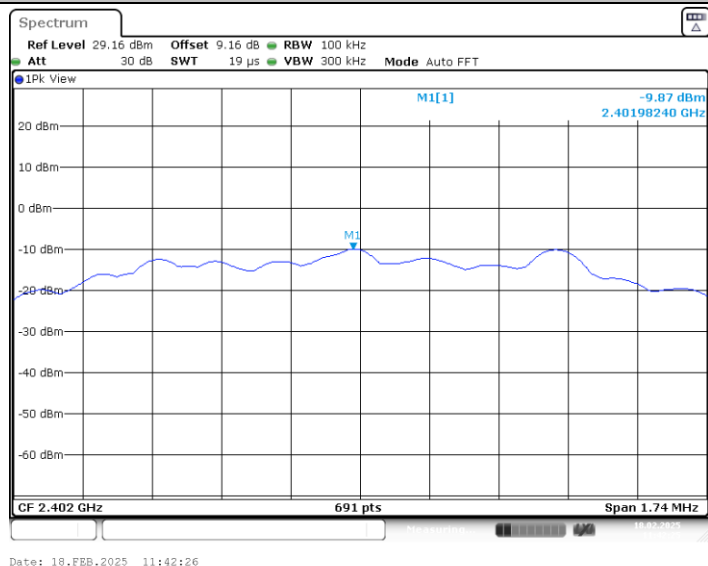
BLE_1M_Ant1_2440



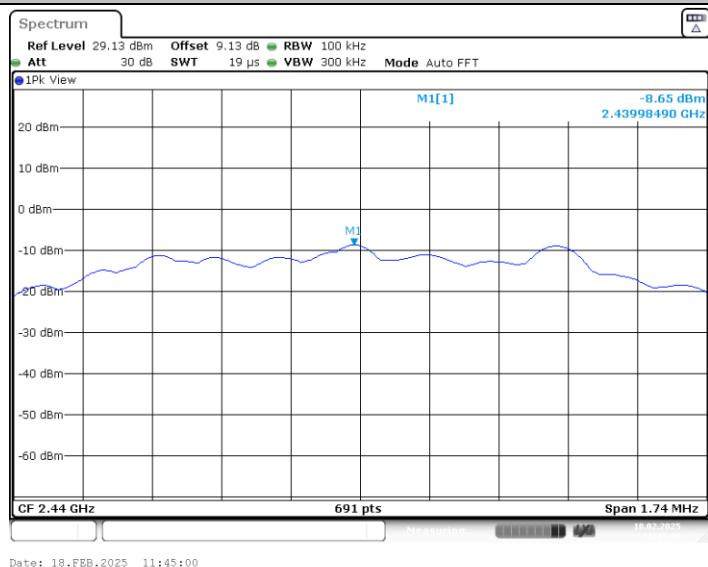
BLE_1M_Ant1_2480



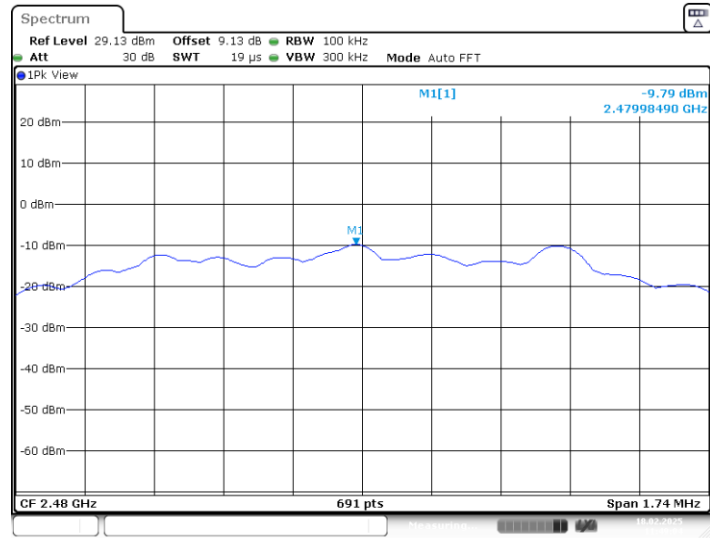
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



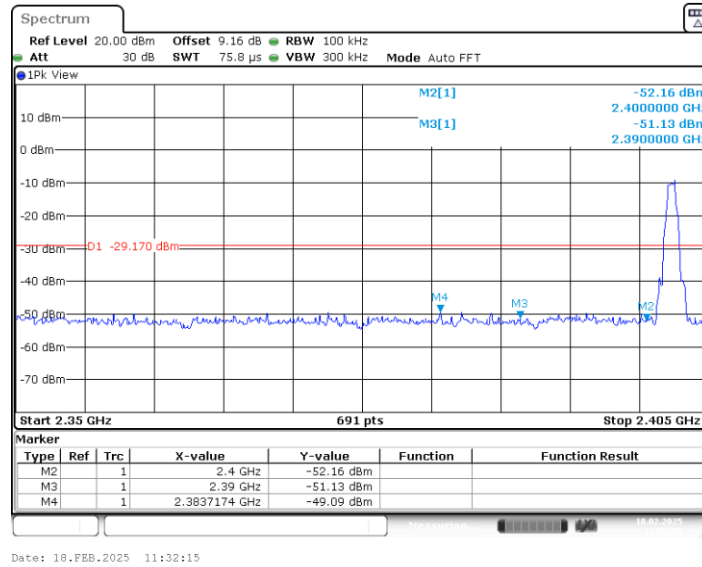
Appendix F: Band edge measurements

Test Result

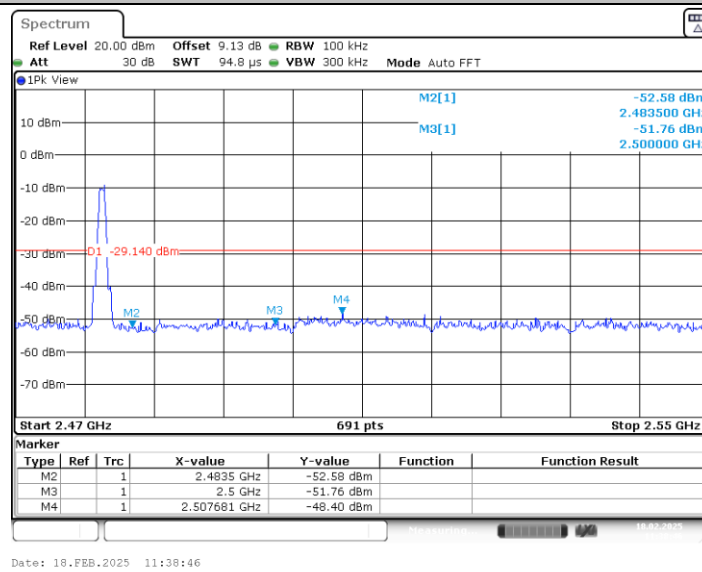
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-9.17	-49.09	≤-29.17	PASS
		High	2480	-9.14	-48.4	≤-29.14	PASS
BLE_2M	Ant1	Low	2402	-9.87	-41.24	≤-29.87	PASS
		High	2480	-9.79	-48.32	≤-29.79	PASS

Test Graphs

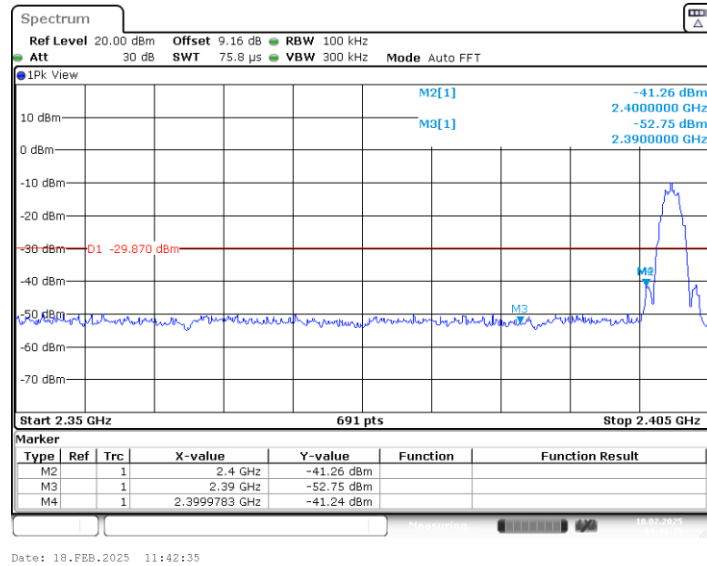
BLE_1M_Ant1_Low_2402



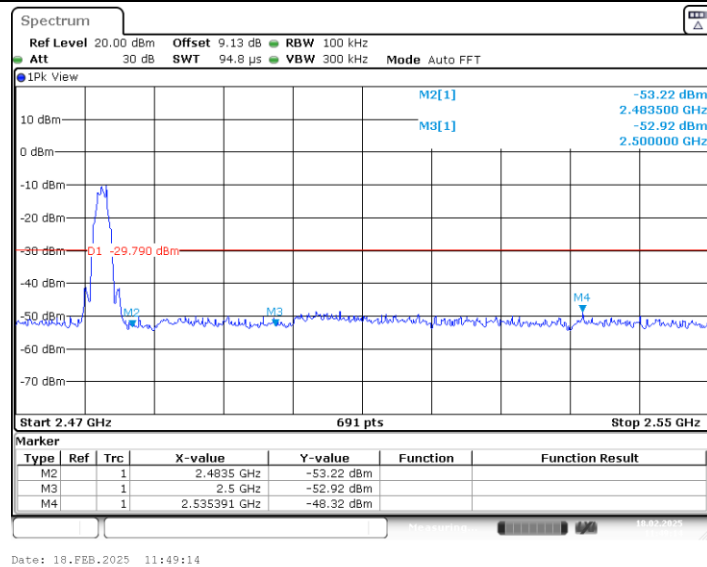
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480

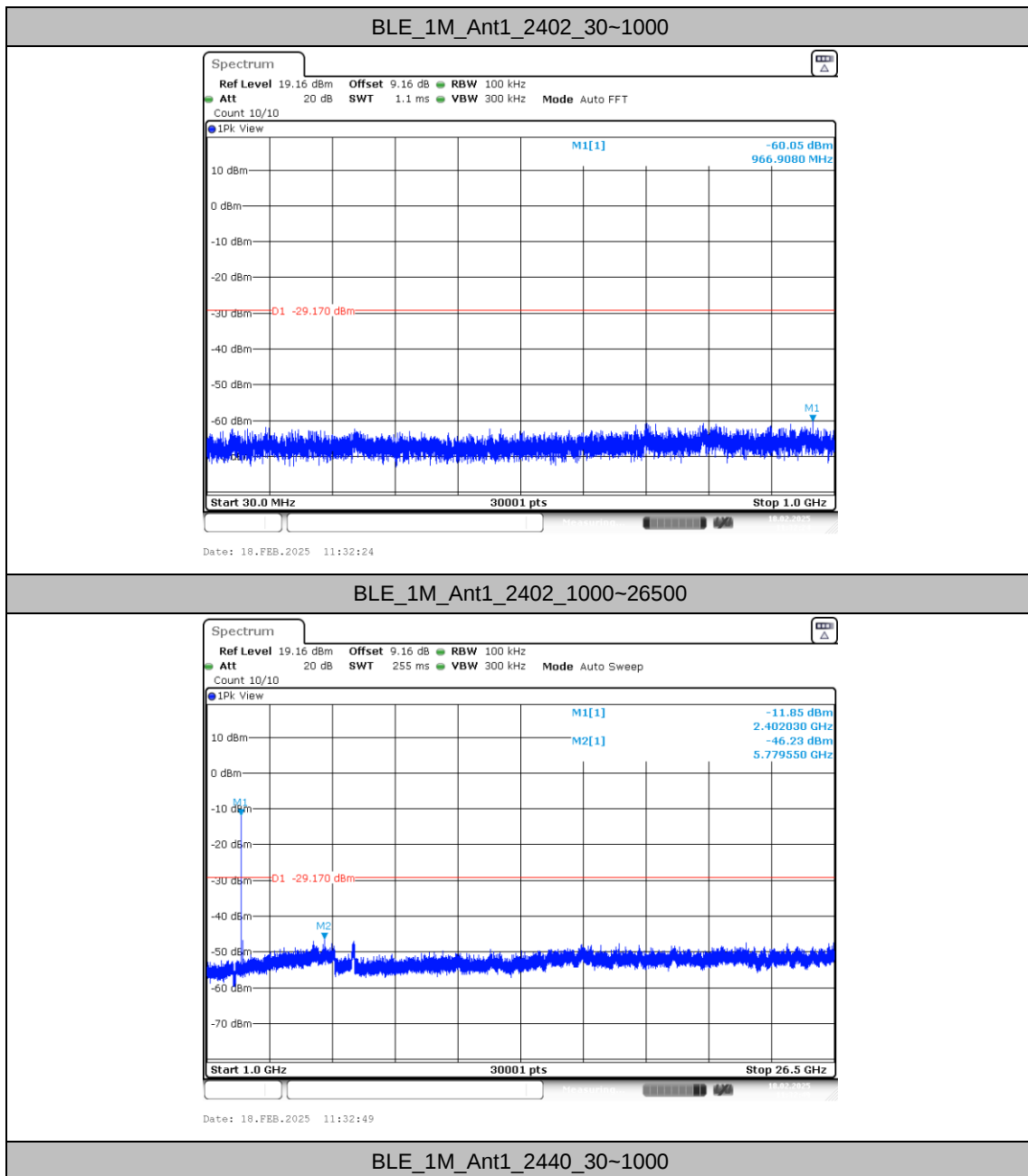


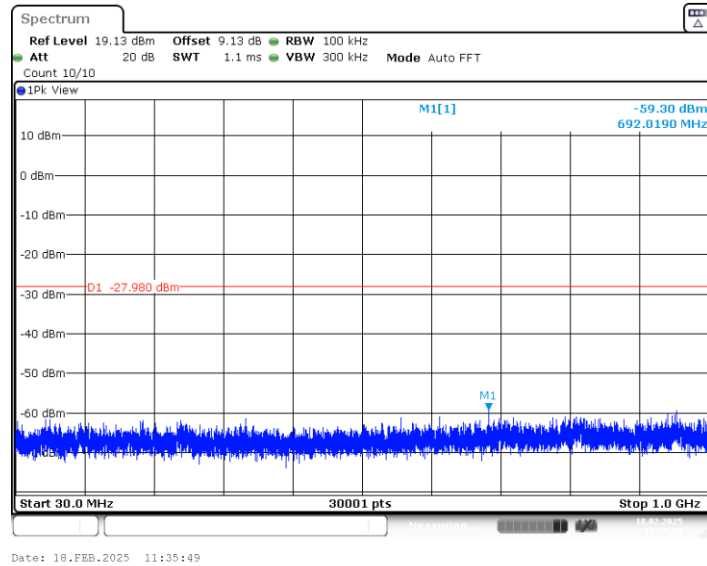
Appendix G: Conducted Spurious Emission

Test Result

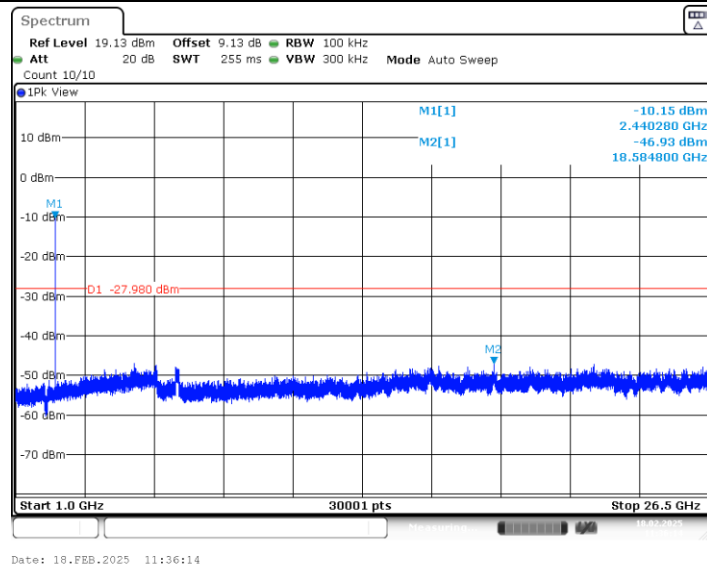
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	-9.17	-60.05	≤-29.17	PASS
			1000~26500	-9.17	-46.23	≤-29.17	PASS
		2440	30~1000	-7.98	-59.3	≤-27.98	PASS
			1000~26500	-7.98	-46.93	≤-27.98	PASS
		2480	30~1000	-9.14	-60.09	≤-29.14	PASS
			1000~26500	-9.14	-44.71	≤-29.14	PASS
BLE_2M	Ant1	2402	30~1000	-9.87	-59.86	≤-29.87	PASS
			1000~26500	-9.87	-46.62	≤-29.87	PASS
		2440	30~1000	-8.65	-59.94	≤-28.65	PASS
			1000~26500	-8.65	-45.46	≤-28.65	PASS
		2480	30~1000	-9.79	-59.94	≤-29.79	PASS
			1000~26500	-9.79	-43.98	≤-29.79	PASS

Test Graphs

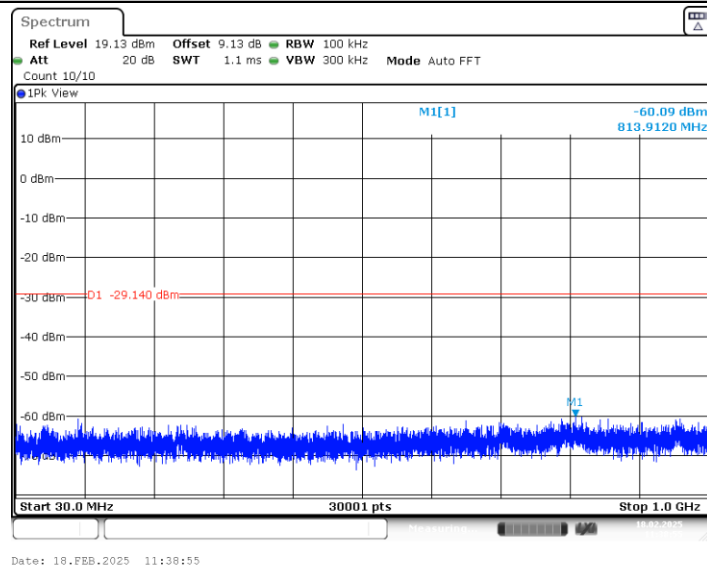




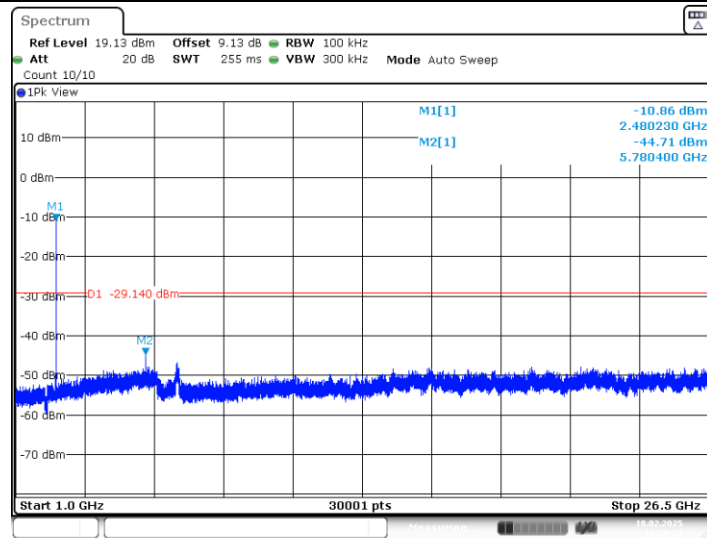
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_30~1000

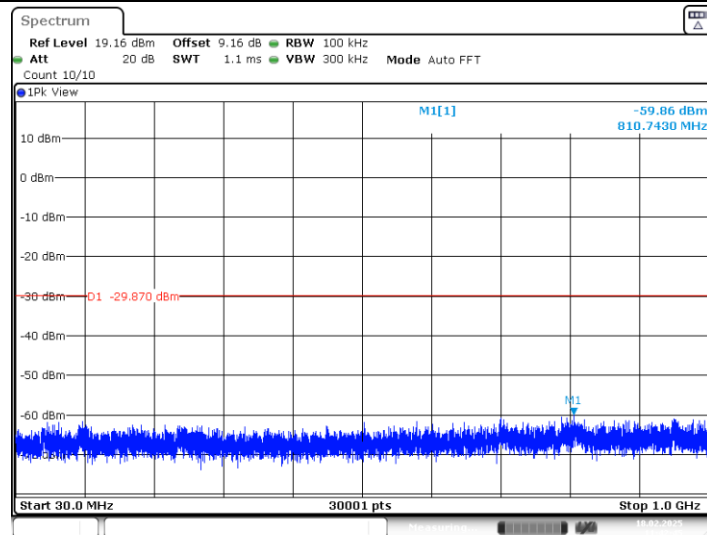


BLE_1M_Ant1_2480_1000~26500



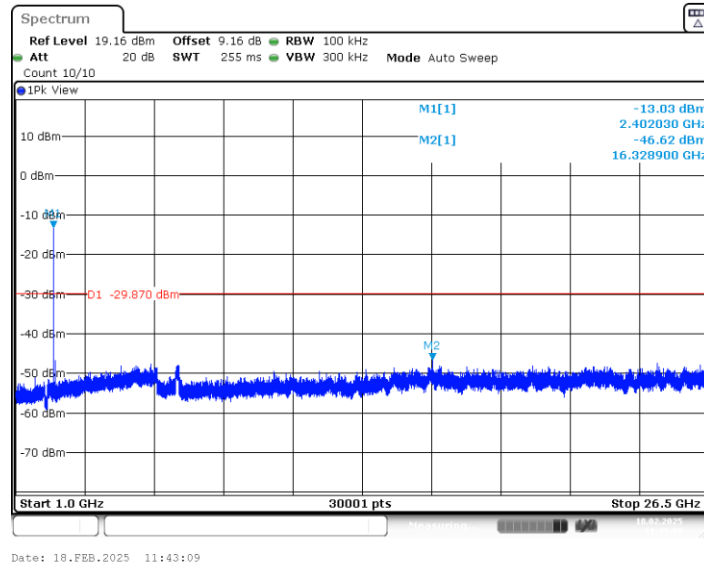
Date: 18.FEB.2025 11:39:20

BLE_2M_Ant1_2402_30~1000

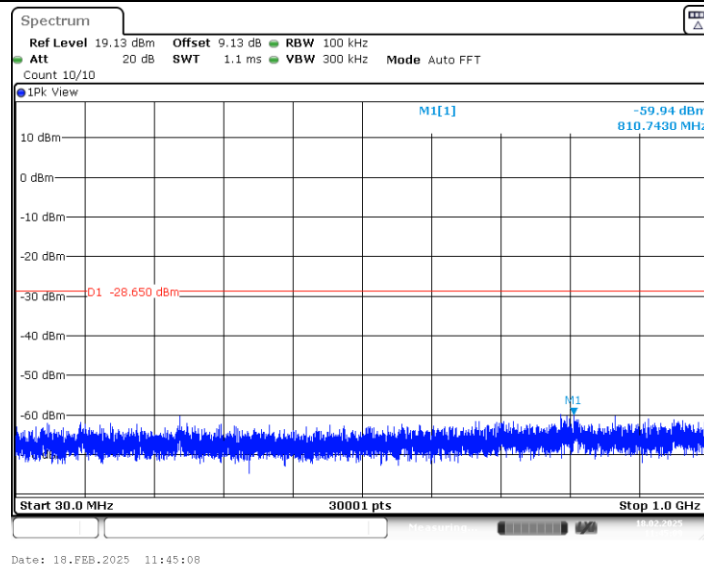


Date: 18.FEB.2025 11:42:44

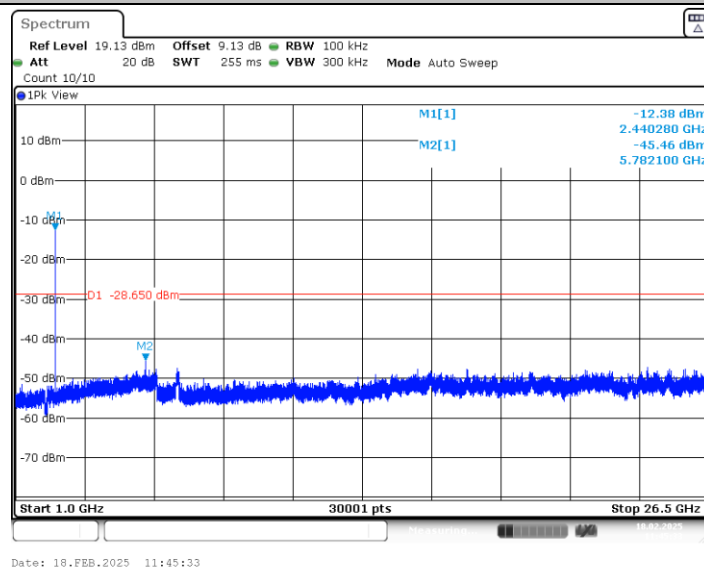
BLE_2M_Ant1_2402_1000~26500



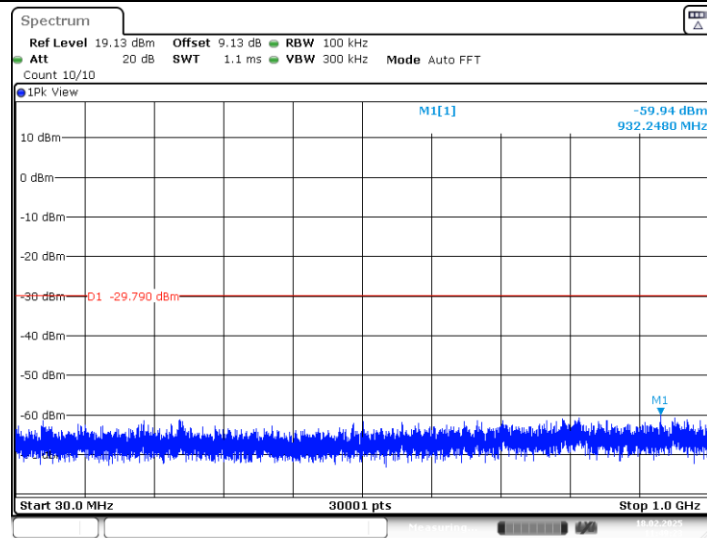
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500

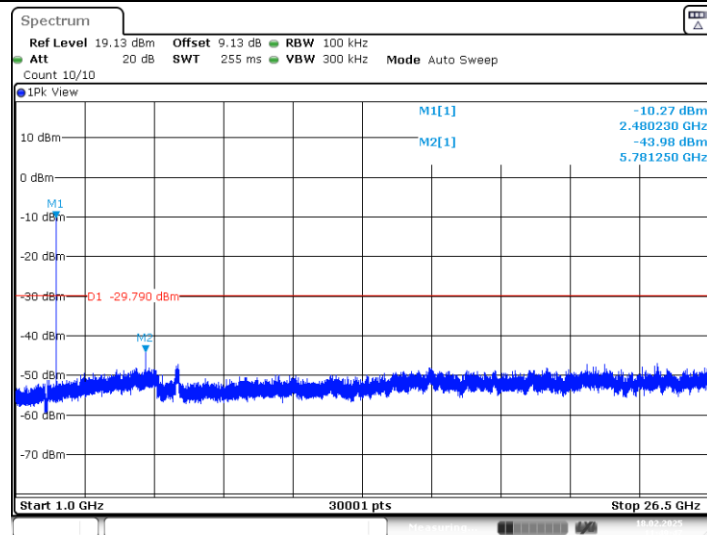


BLE_2M_Ant1_2480_30~1000



Date: 18.FEB.2025 11:49:23

BLE_2M_Ant1_2480_1000~26500



Date: 18.FEB.2025 11:49:48

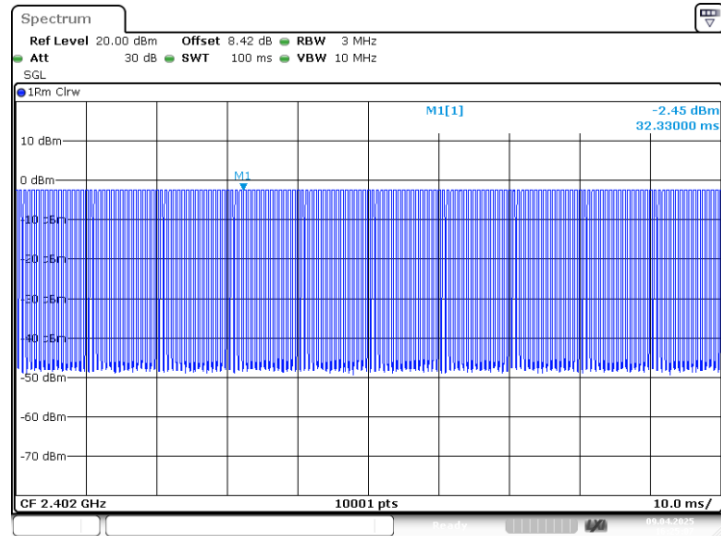
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Duty Cycle (%)	Correction Factor (dB)
BLE_1M	Ant1	2402	63.2	1.99
		2440	63.2	1.99
		2480	62.4	2.05
BLE_2M	Ant1	2402	33.6	4.74
		2440	32.8	4.84
		2480	32.8	4.84

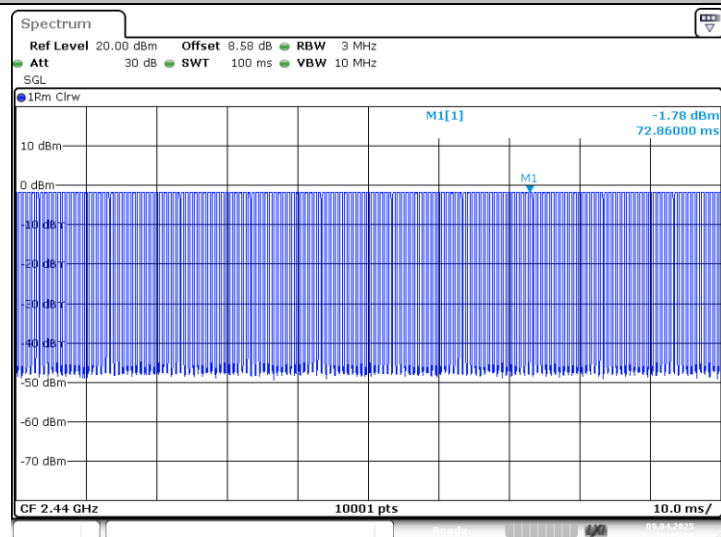
Test Graphs

BLE_1M_Ant1_2402



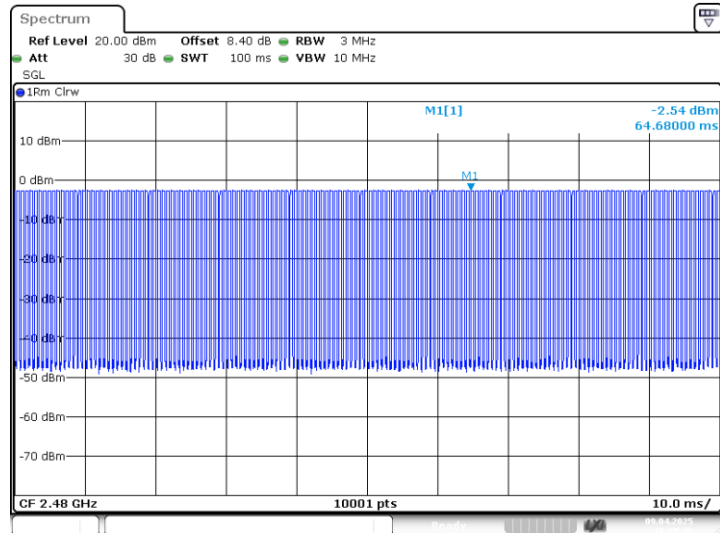
Date: 18.FEB.2025 11:30:25

BLE_1M_Ant1_2440



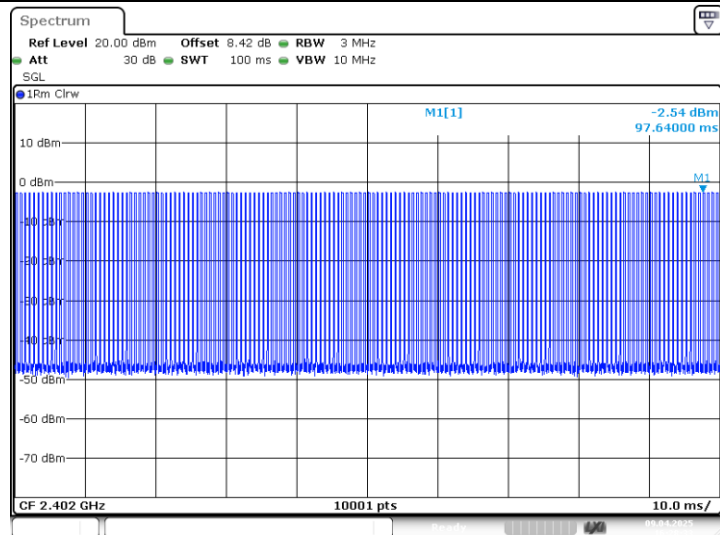
Date: 18.FEB.2025 11:34:59

BLE_1M_Ant1_2480



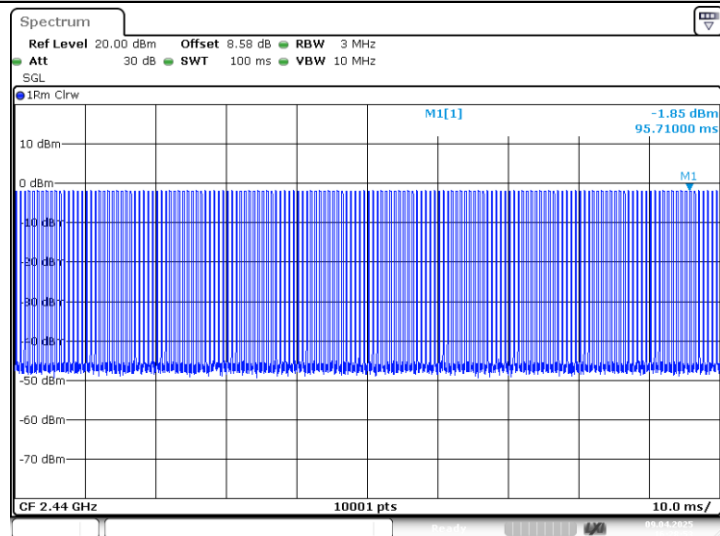
Date: 18.FEB.2025 11:36:57

BLE_2M_Ant1_2402



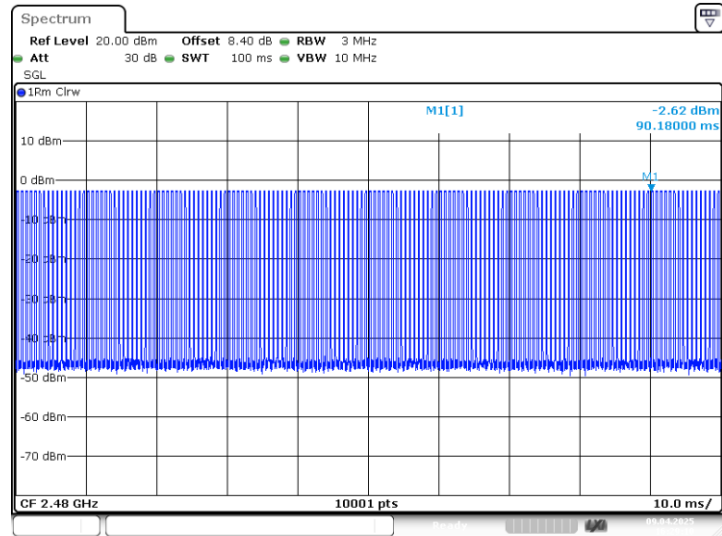
Date: 18.FEB.2025 11:40:46

BLE_2M_Ant1_2440



Date: 18.FEB.2025 11:44:18

BLE_2M_Ant1_2480



Date: 18.FEB.2025 11:36:57

Appendix I: Emissions in Restricted Bands

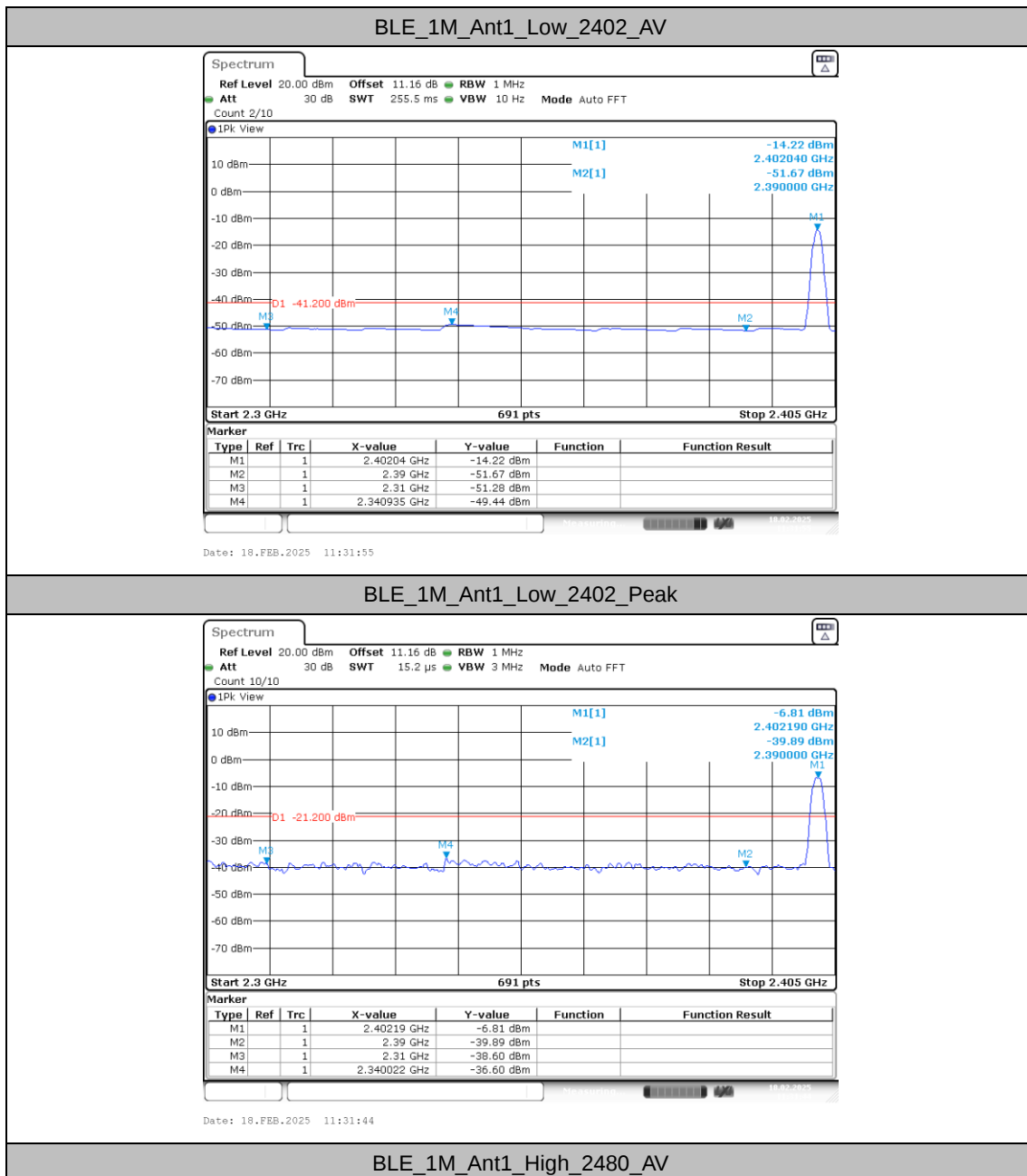
Test Result

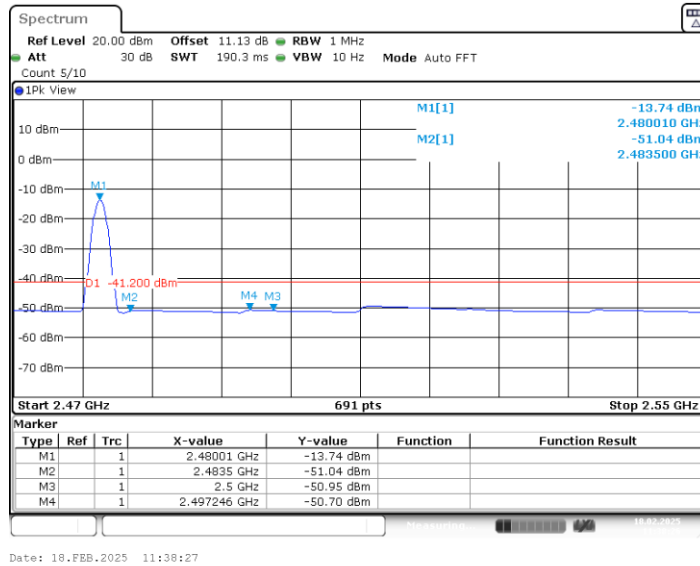
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-51.28	≤-41.20	43.92	≤54	PASS
				AV	2340.935	-49.44	≤-41.20	45.76	≤54	PASS
				AV	2390.000	-51.67	≤-41.20	43.53	≤54	PASS
				Peak	2310.000	-38.6	≤-21.20	56.60	≤74	PASS
				Peak	2340.022	-36.6	≤-21.20	58.60	≤74	PASS
				Peak	2390.000	-39.89	≤-21.20	55.31	≤74	PASS
		High	2480	AV	2483.500	-51.04	≤-41.20	44.16	≤54	PASS
				AV	2497.246	-50.7	≤-41.20	44.50	≤54	PASS
				AV	2500.000	-50.95	≤-41.20	44.25	≤54	PASS
				Peak	2483.500	-40.46	≤-21.20	54.74	≤74	PASS
				Peak	2488.087	-36.99	≤-21.20	58.21	≤74	PASS
				Peak	2500.000	-38.66	≤-21.20	56.54	≤74	PASS
BLE_2M	Ant1	Low	2402	AV	2310.000	-51.17	≤-41.20	44.03	≤54	PASS
				AV	2341.087	-49.45	≤-41.20	45.75	≤54	PASS
				AV	2390.000	-51.62	≤-41.20	43.58	≤54	PASS
				Peak	2310.000	-40.52	≤-21.20	54.68	≤74	PASS
				Peak	2343.522	-37.1	≤-21.20	58.10	≤74	PASS
				Peak	2390.000	-40.95	≤-21.20	54.25	≤74	PASS
		High	2480	AV	2483.500	-51.01	≤-41.20	44.19	≤54	PASS
				AV	2497.362	-50.72	≤-41.20	44.48	≤54	PASS
				AV	2500.000	-50.91	≤-41.20	44.29	≤54	PASS
				Peak	2483.500	-40.67	≤-21.20	54.53	≤74	PASS
				Peak	2491.565	-38.14	≤-21.20	57.06	≤74	PASS
				Peak	2500.000	-38.19	≤-21.20	57.01	≤74	PASS

Note:

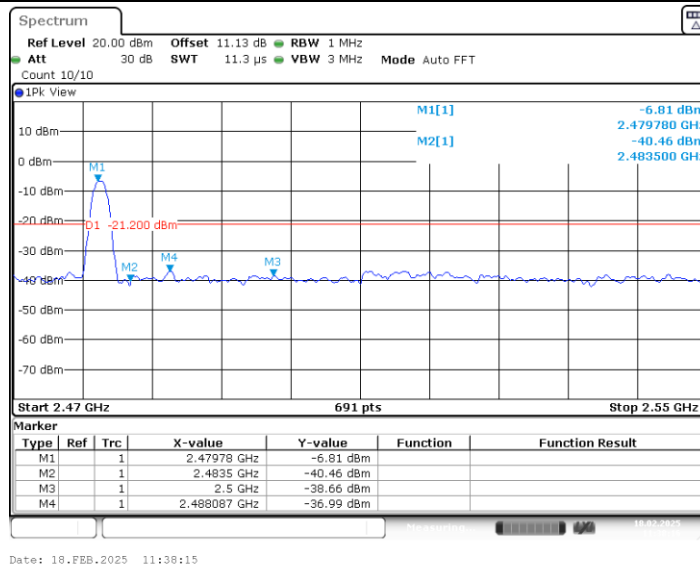
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

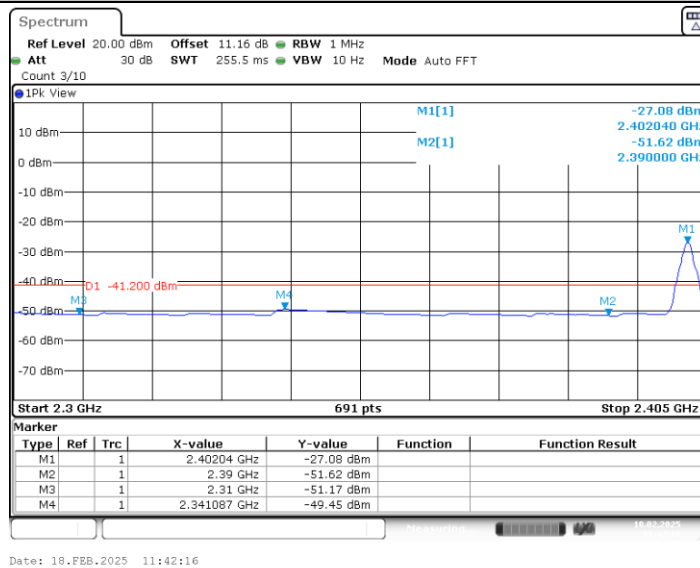




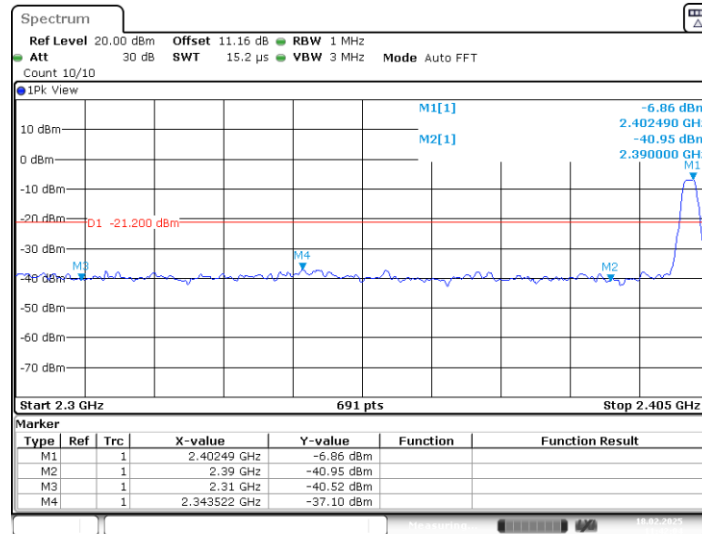
BLE_1M_Ant1_High_2480_Peak



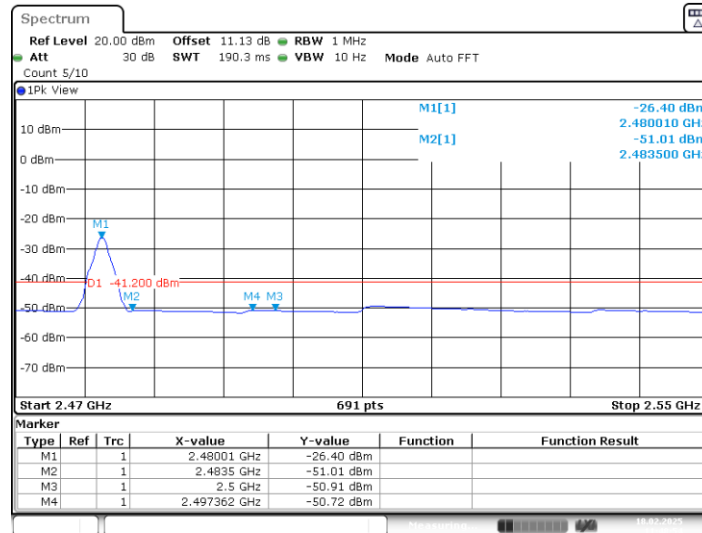
BLE_2M_Ant1_Low_2402_AV



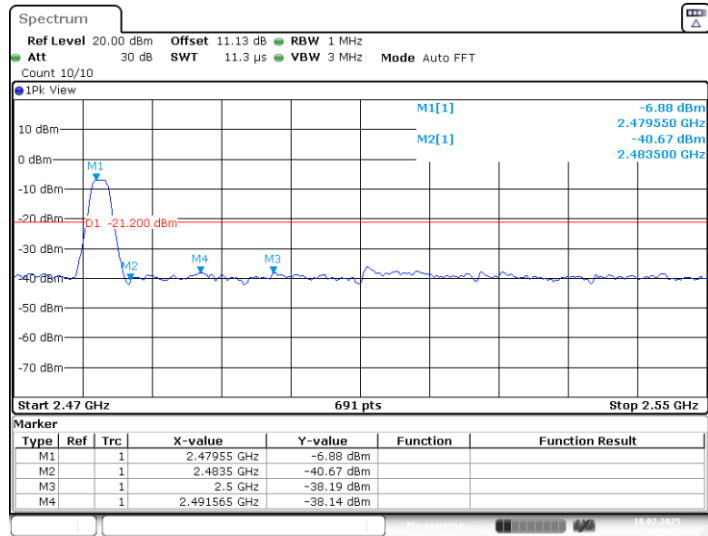
BLE_2M_Ant1_Low_2402_Peak



BLE_2M_Ant1_High_2480_AV



BLE_2M_Ant1_High_2480_Peak



Date: 18.FEB.2025 11:48:43