

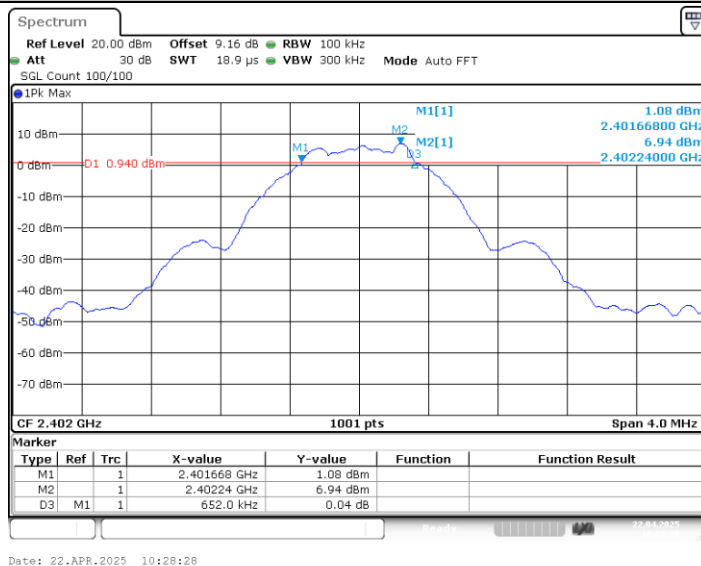
Appendix A: DTS Bandwidth

Test Result

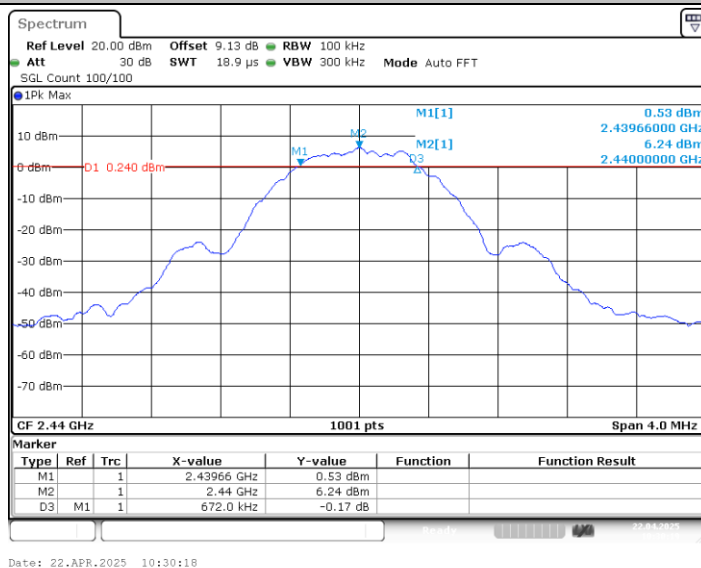
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.67	2402.32	0.5	PASS
		2440	0.67	2439.66	2440.33	0.5	PASS
		2480	0.66	2479.66	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.36	2401.31	2402.67	0.5	PASS
		2440	1.13	2439.44	2440.57	0.5	PASS
		2480	1.10	2479.45	2480.00	0.5	PASS

Test Graphs

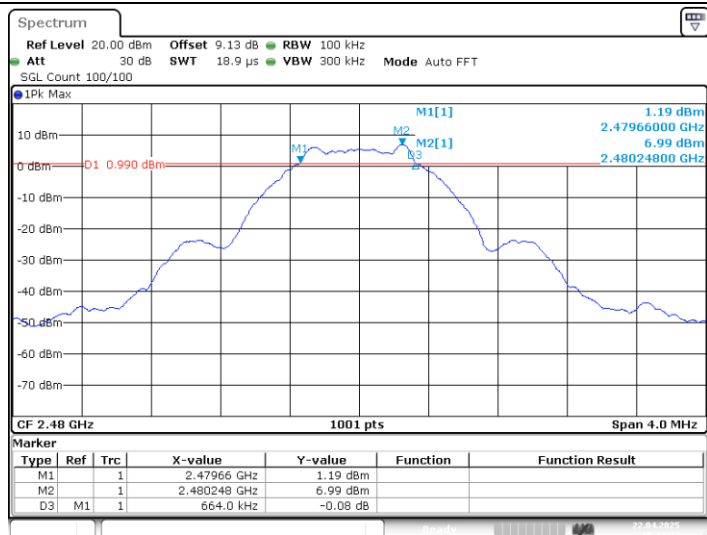
BLE_1M_Ant1_2402



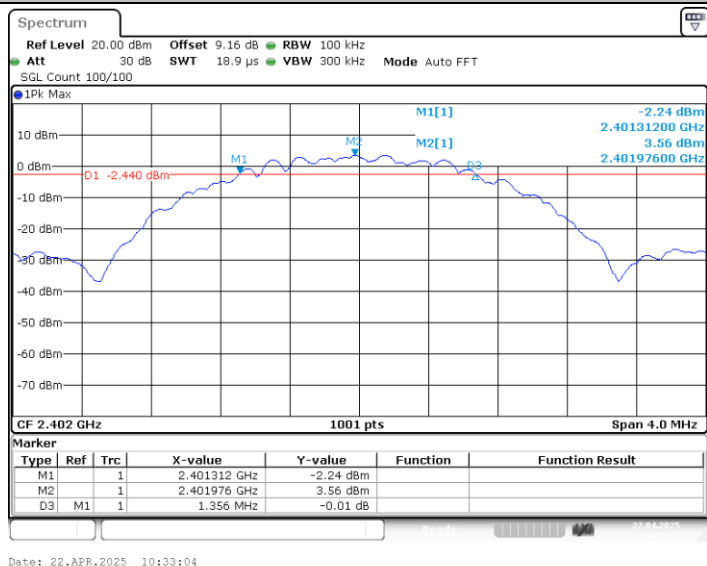
BLE_1M_Ant1_2440



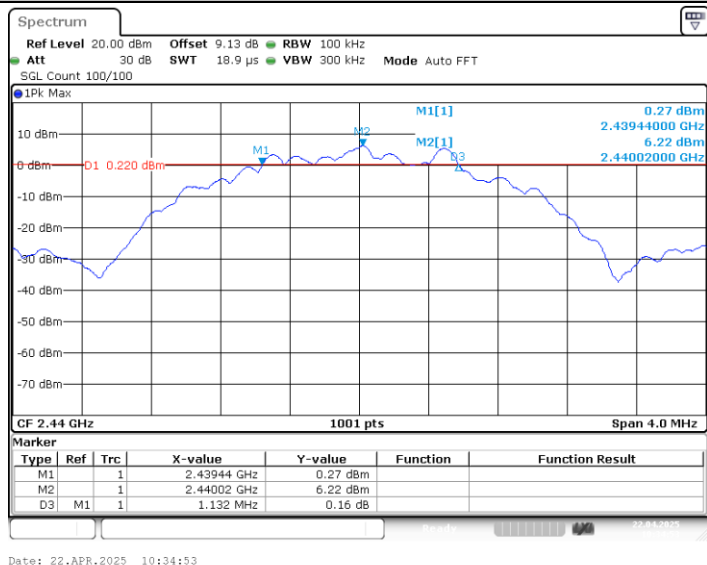
BLE_1M_Ant1_2480

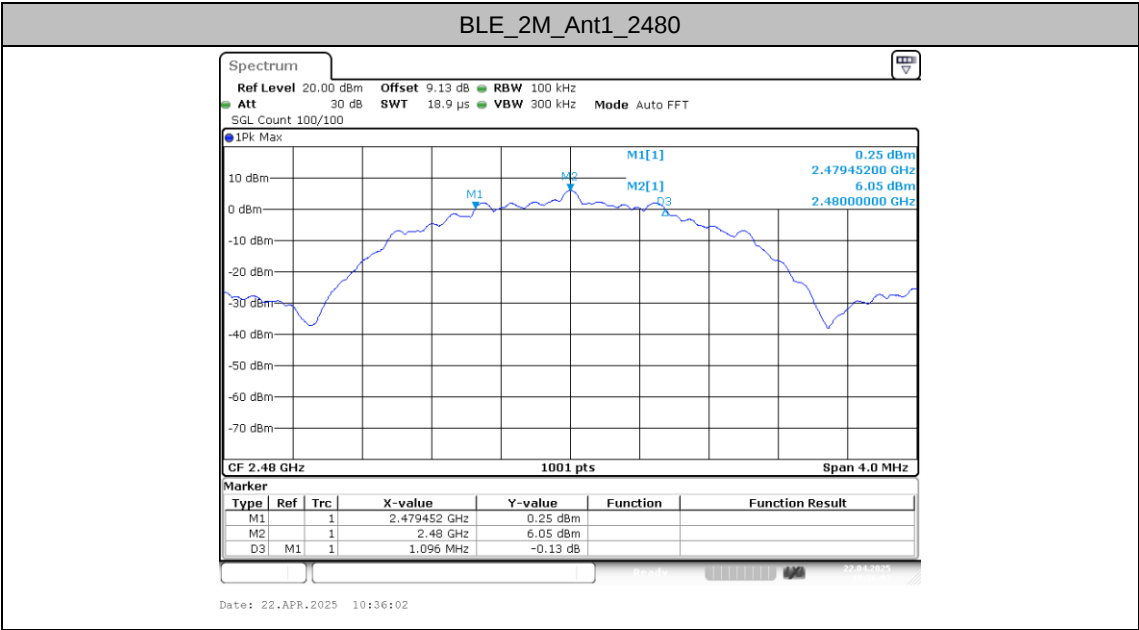


BLE_2M_Ant1_2402



BLE_2M_Ant1_2440





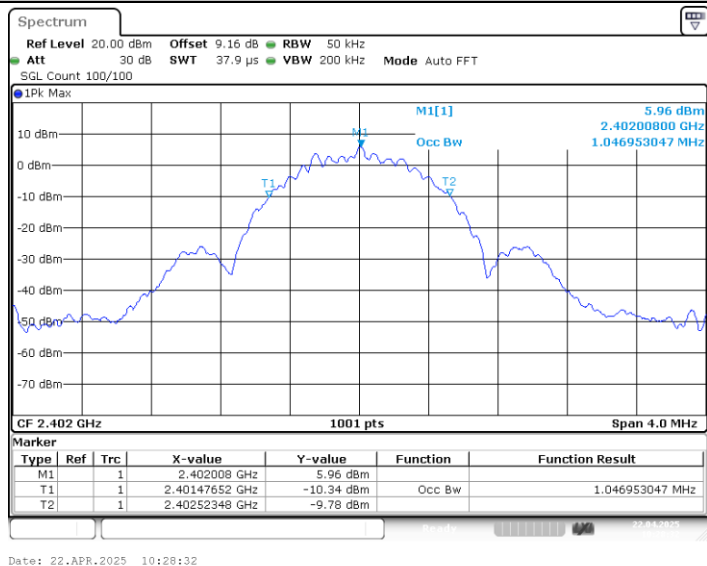
Appendix B: Occupied Channel Bandwidth

Test Result

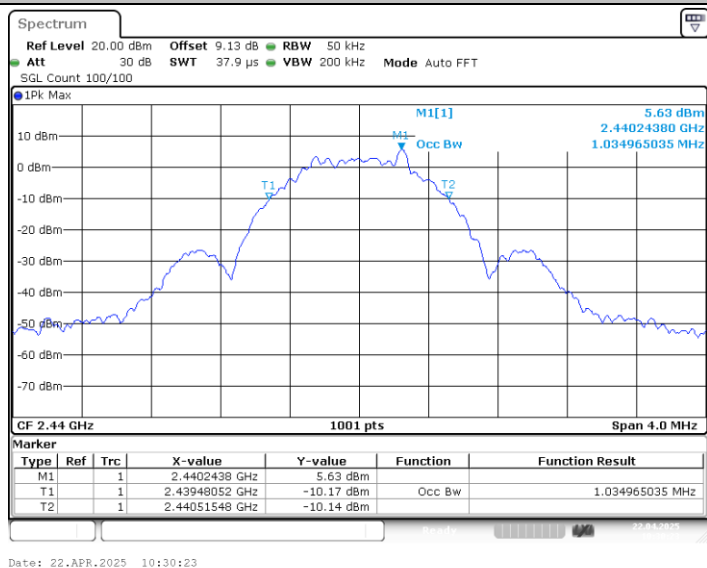
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0470	2401.4765	2402.5235	---	---
		2440	1.0350	2439.4805	2440.5155	---	---
		2480	1.0470	2479.4725	2480.5195	---	---
BLE_2M	Ant1	2402	2.0659	2400.9810	2403.0470	---	---
		2440	2.0500	2438.9850	2441.0350	---	---
		2480	2.0460	2478.9850	2481.0310	---	---

Test Graphs

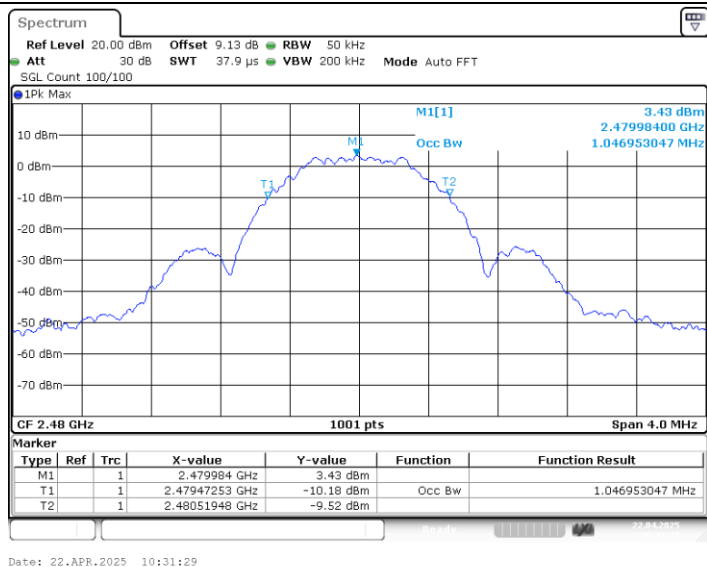
BLE_1M_Ant1_2402



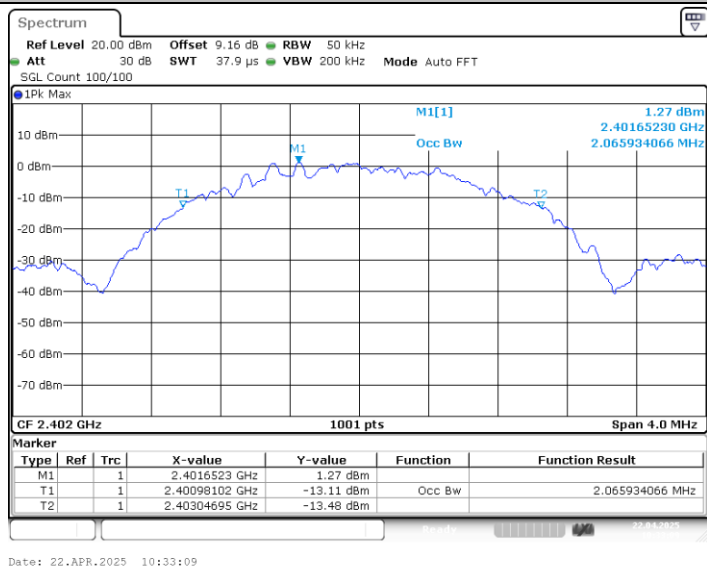
BLE_1M_Ant1_2440



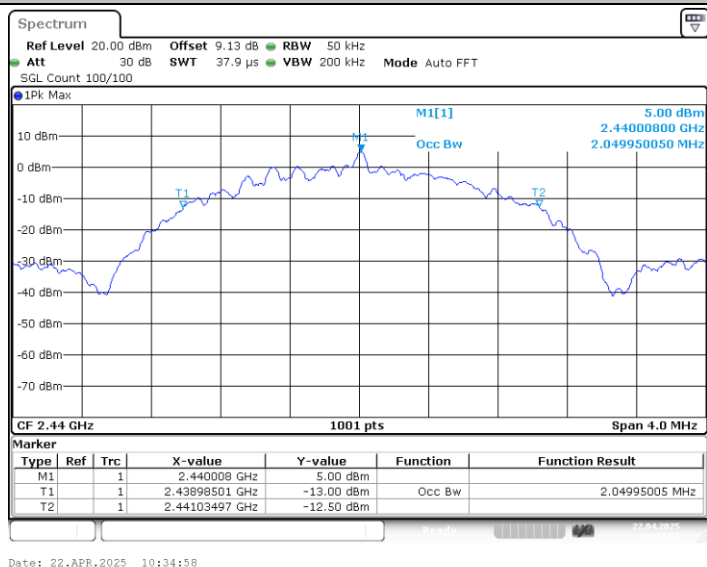
BLE_1M_Ant1_2480



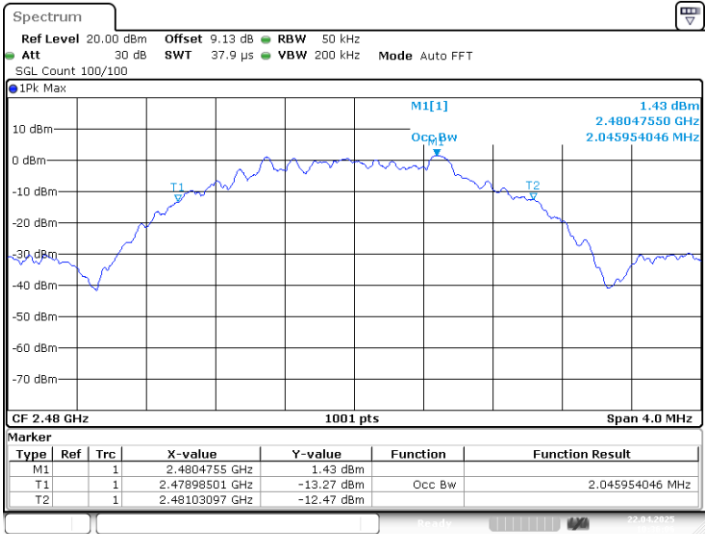
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Date: 22.APR.2025 10:36:07

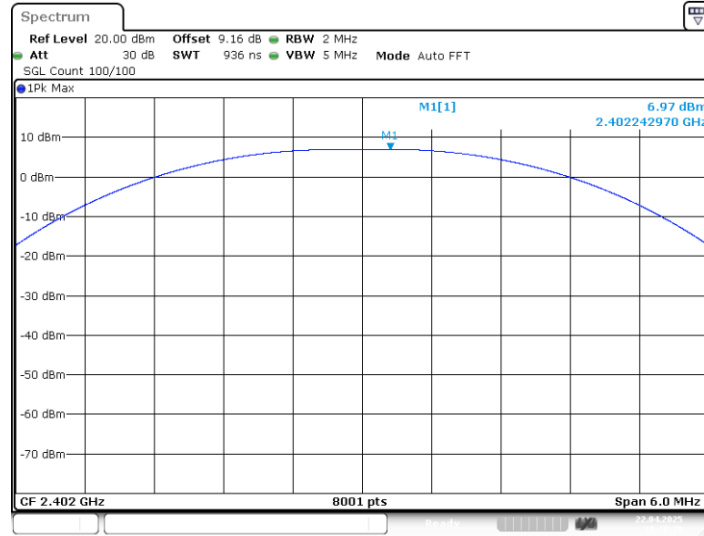
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.97	≤30	PASS
		2440	6.76	≤30	PASS
		2480	7.04	≤30	PASS
BLE_2M	Ant1	2402	6.95	≤30	PASS
		2440	6.72	≤30	PASS
		2480	7.02	≤30	PASS

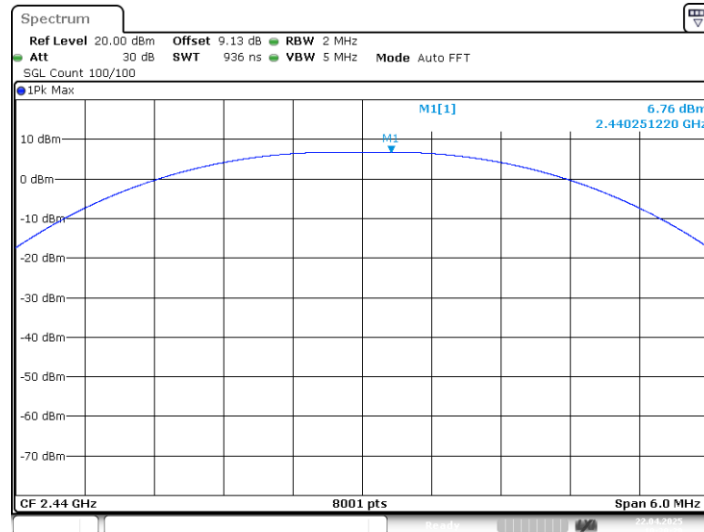
Test Graphs Peak

BLE_1M_Ant1_2402



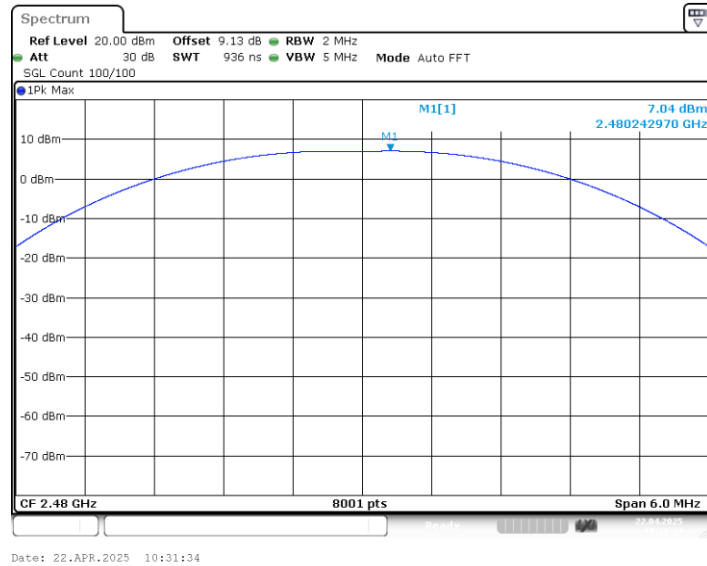
Date: 22.APR.2025 10:28:38

BLE_1M_Ant1_2440

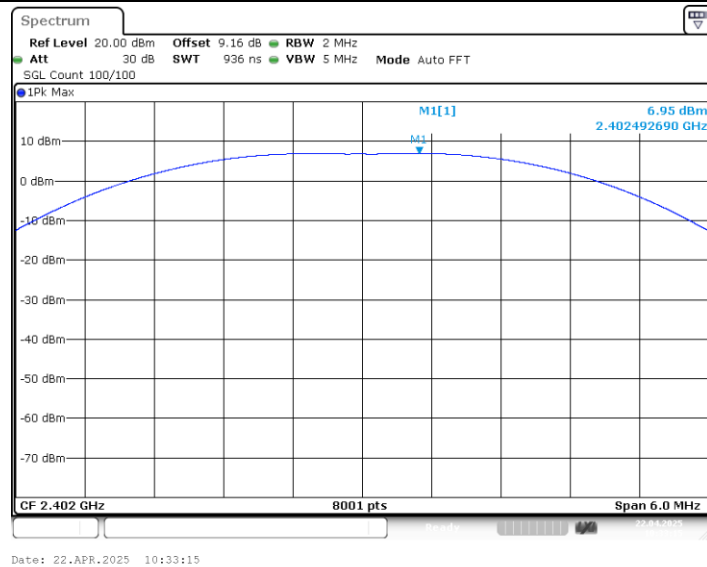


Date: 22.APR.2025 10:30:28

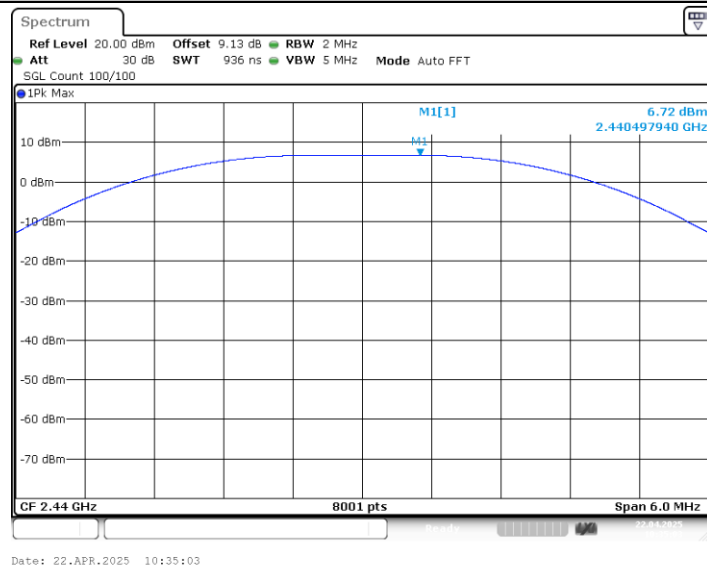
BLE_1M_Ant1_2480



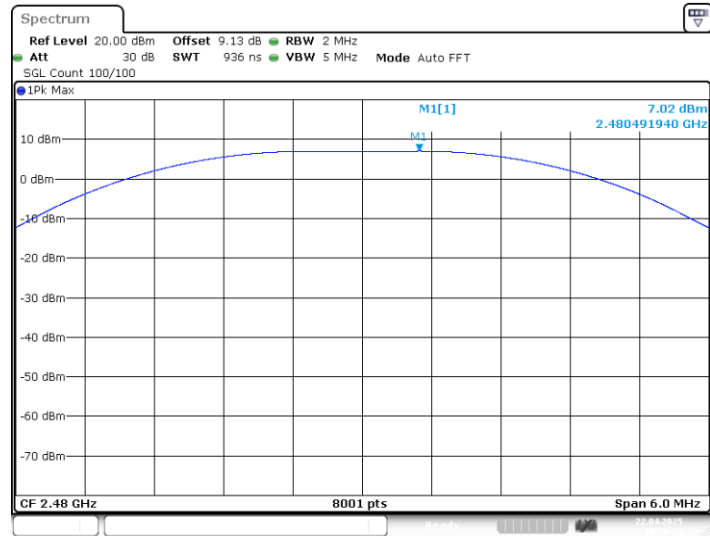
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

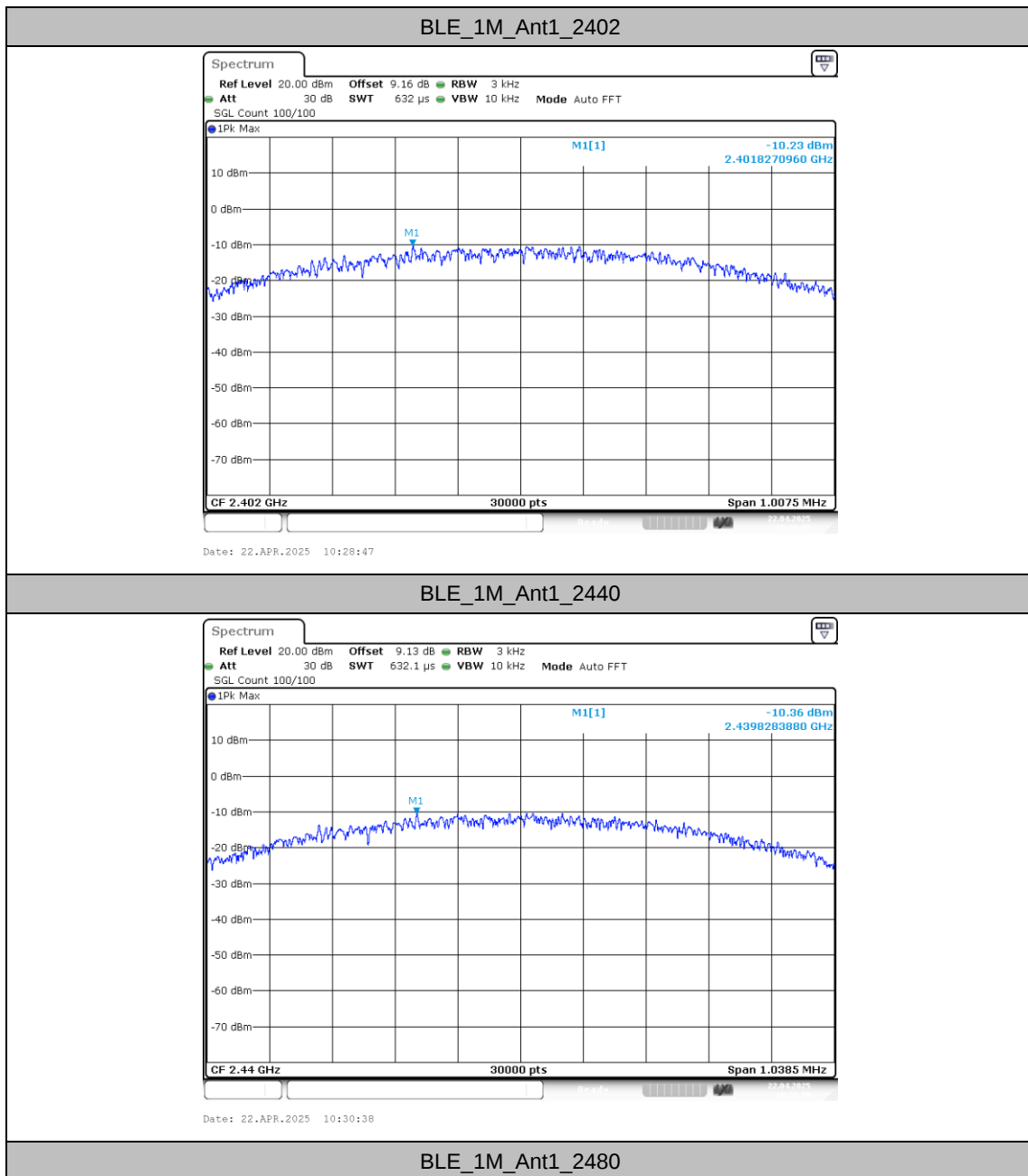


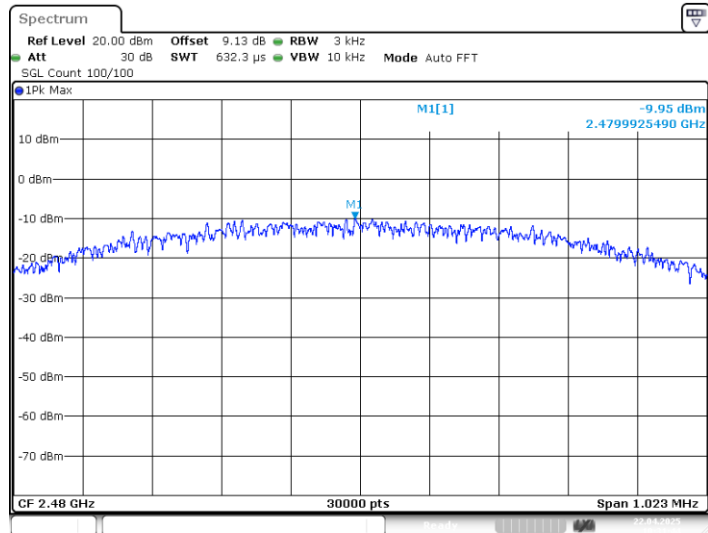
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.23	≤8.00	PASS
		2440	-10.36	≤8.00	PASS
		2480	-9.95	≤8.00	PASS
BLE_2M	Ant1	2402	-11.30	≤8.00	PASS
		2440	-11.69	≤8.00	PASS
		2480	-11.50	≤8.00	PASS

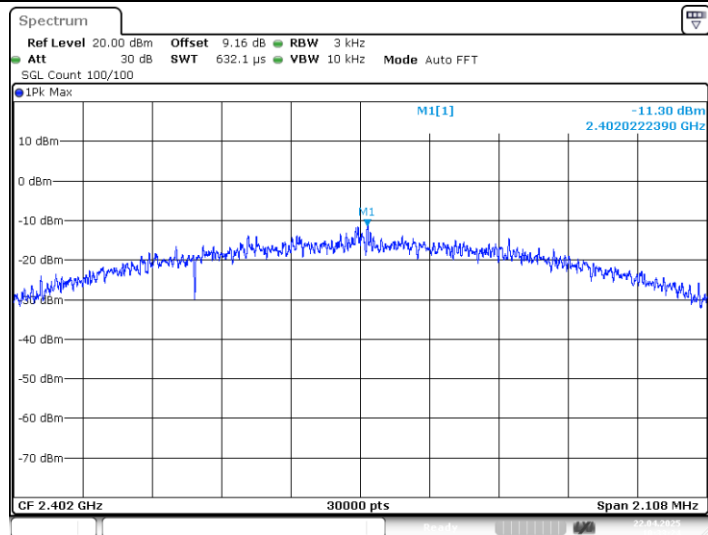
Test Graphs





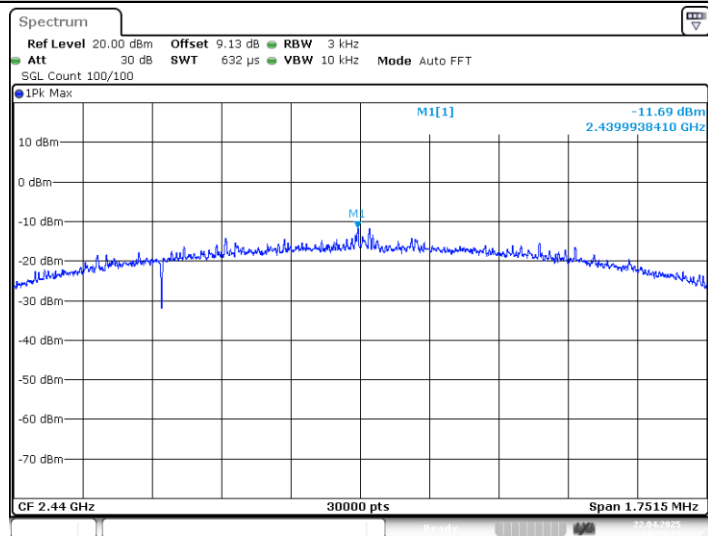
Date: 22.APR.2025 10:31:44

BLE_2M_Ant1_2402



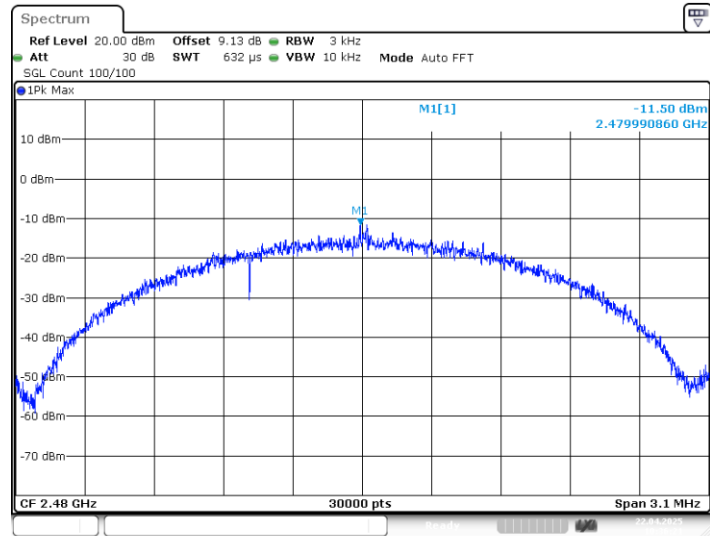
Date: 22.APR.2025 10:33:24

BLE_2M_Ant1_2440



Date: 22.APR.2025 10:35:13

BLE_2M_Ant1_2480



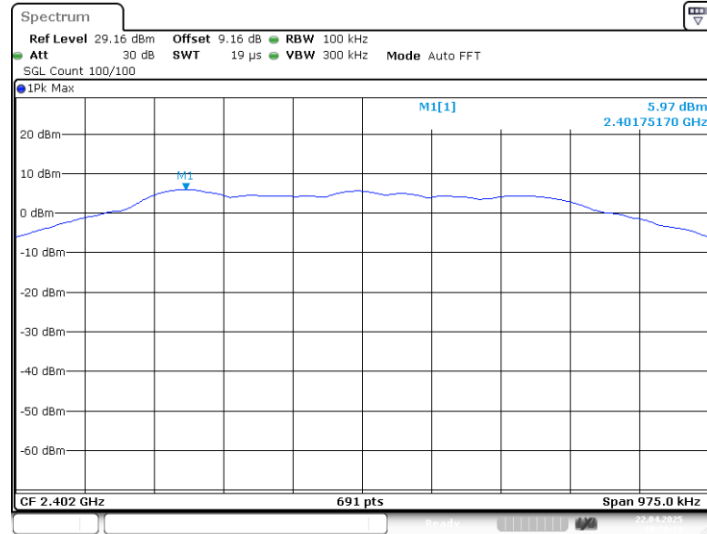
ppendix E: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.75	5.97
		2440	2440.24	5.78
		2480	2480.07	5.43
BLE_2M	Ant1	2402	2402.02	6.33
		2440	2440.01	6.40
		2480	2480.49	5.94

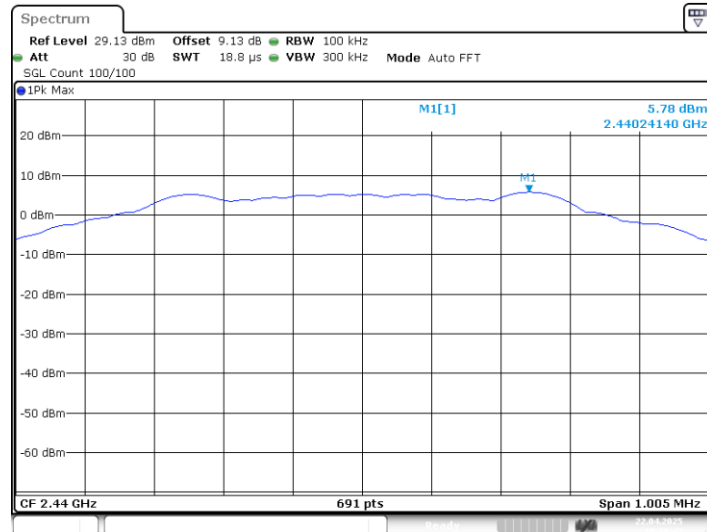
Test Graphs

BLE_1M_Ant1_2402



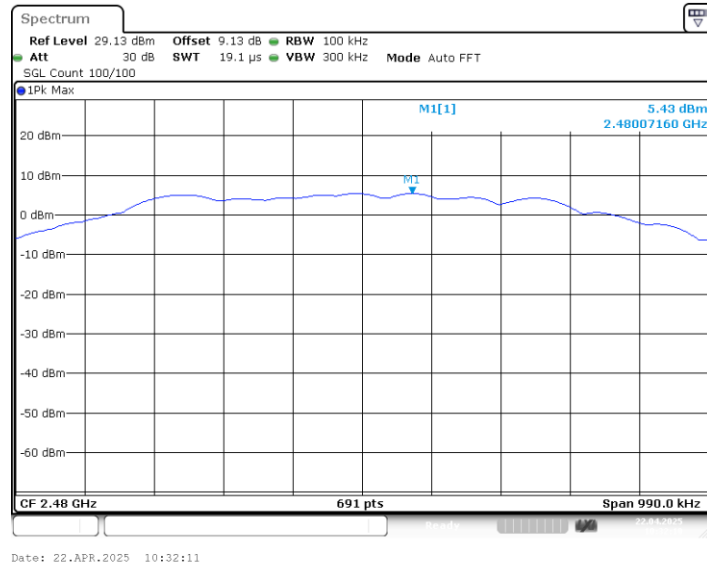
Date: 22.APR.2025 10:29:23

BLE_1M_Ant1_2440

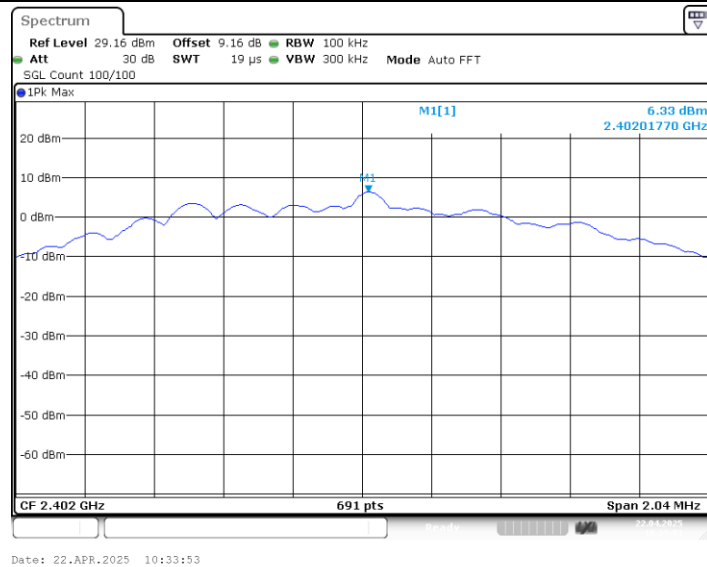


Date: 22.APR.2025 10:30:42

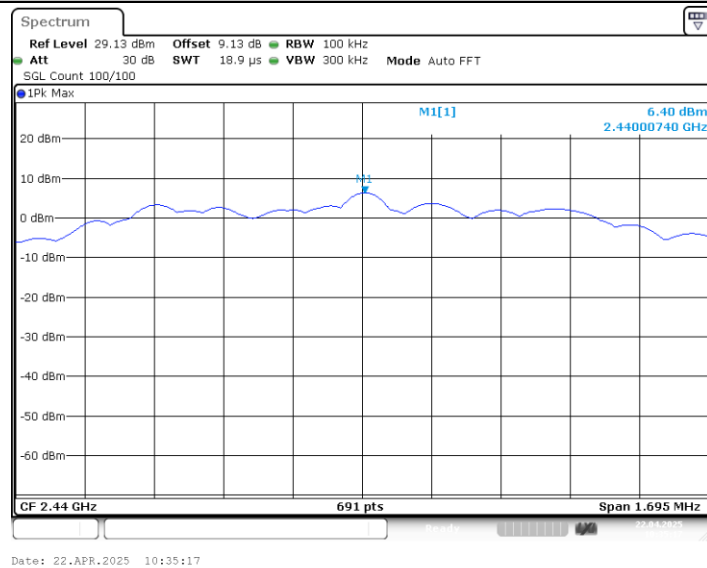
BLE_1M_Ant1_2480



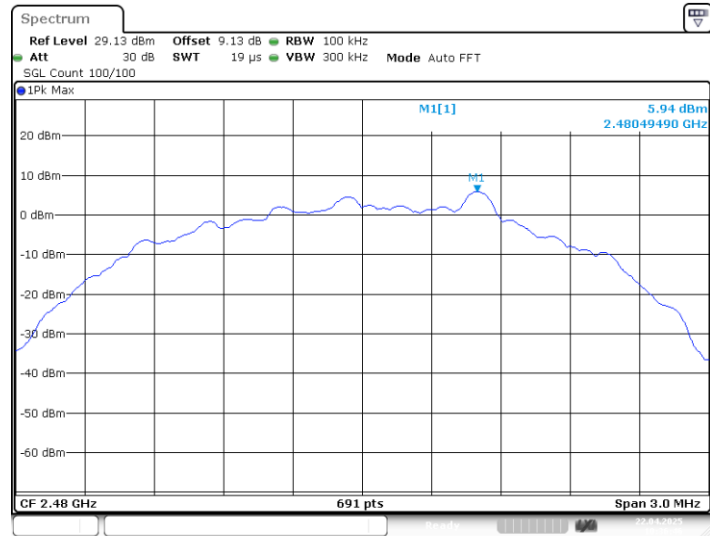
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



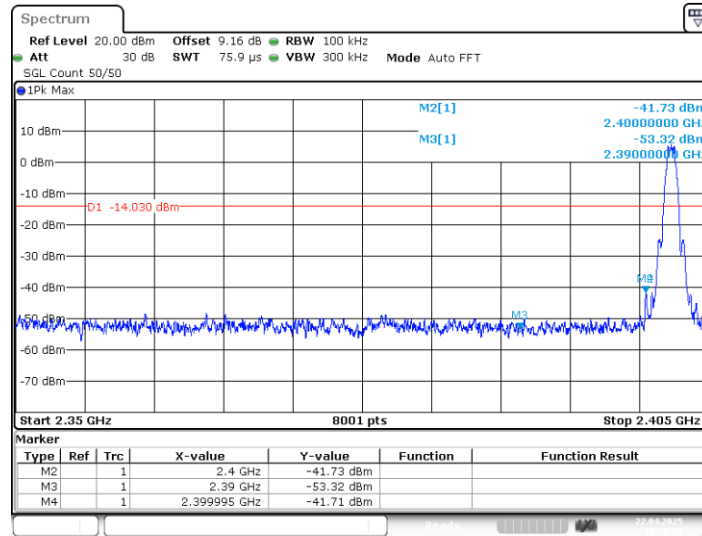
Appendix F: Band edge measurements

Test Result

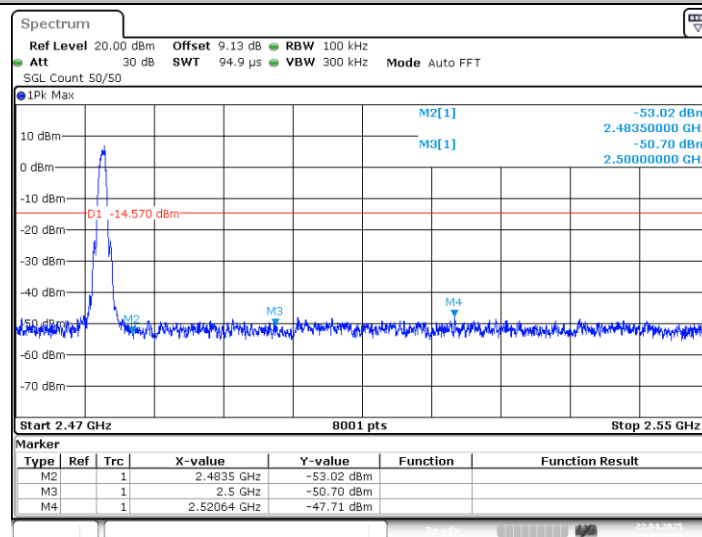
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.97	-41.71	≤-14.03	PASS
		High	2480	5.43	-47.71	≤-14.57	PASS
BLE_2M	Ant1	Low	2402	6.33	-28.83	≤-13.67	PASS
		High	2480	5.94	-44.32	≤-14.06	PASS

Test Graphs

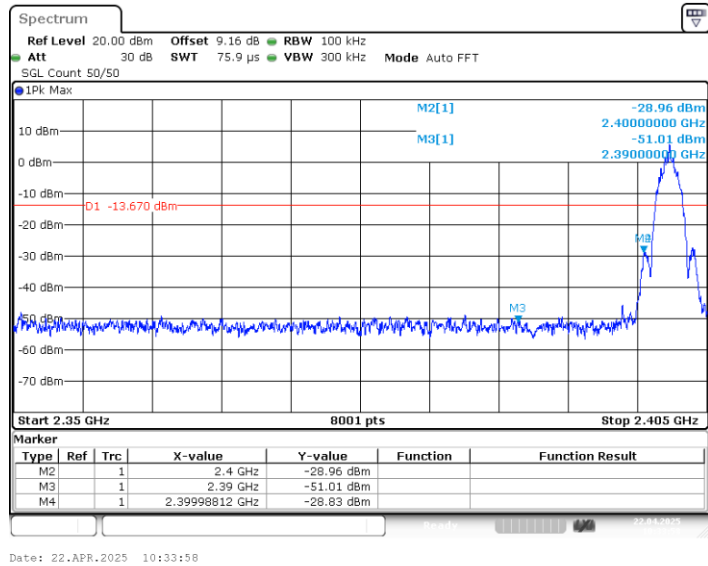
BLE_1M_Ant1_Low_2402



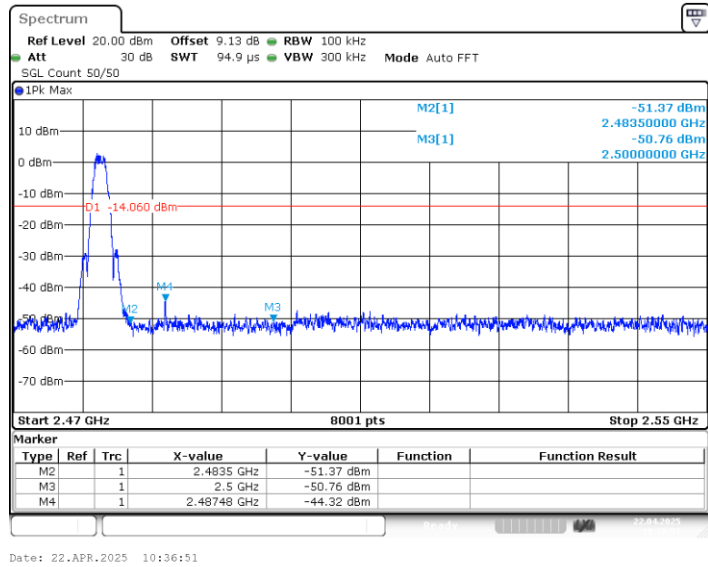
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480

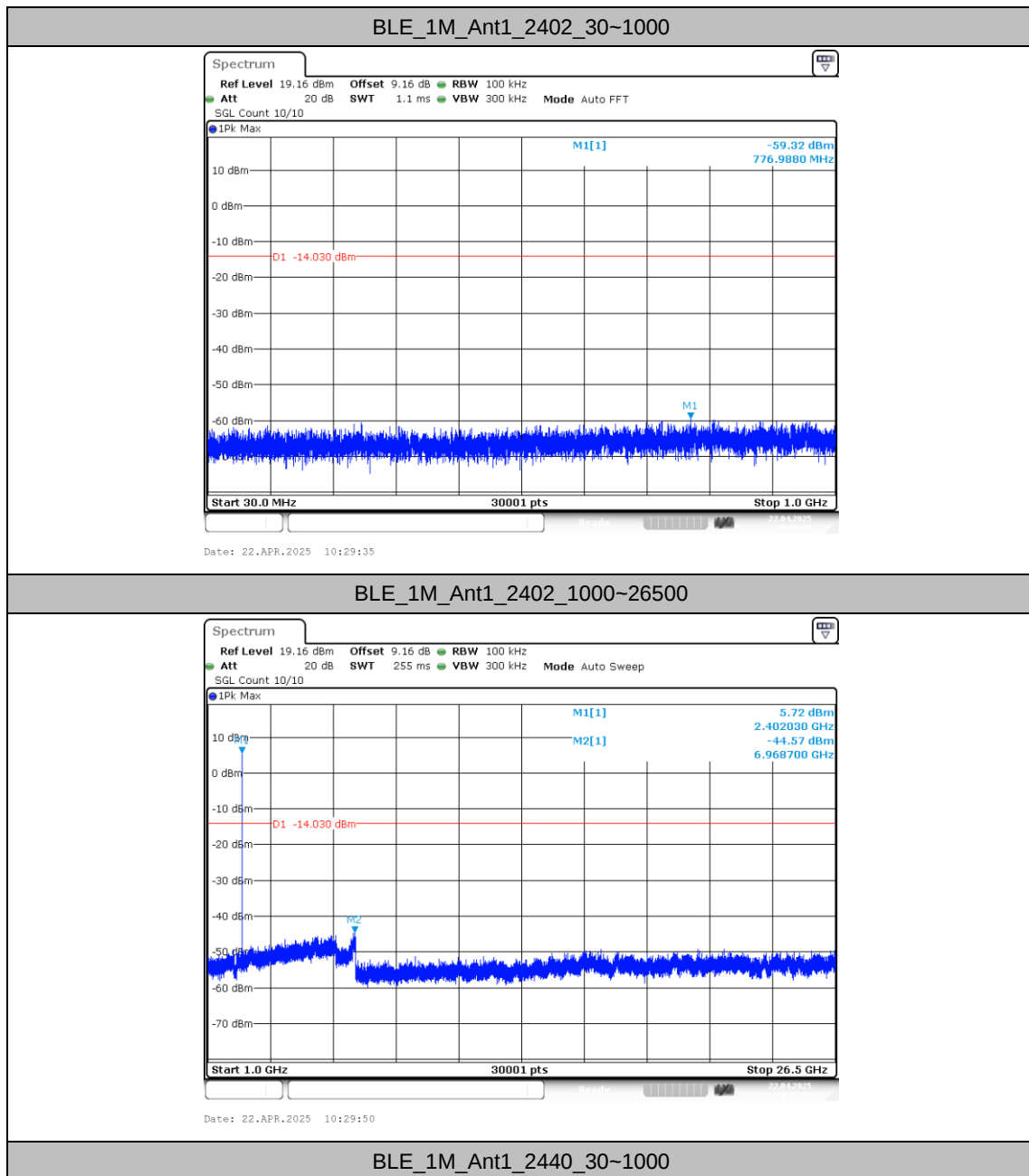


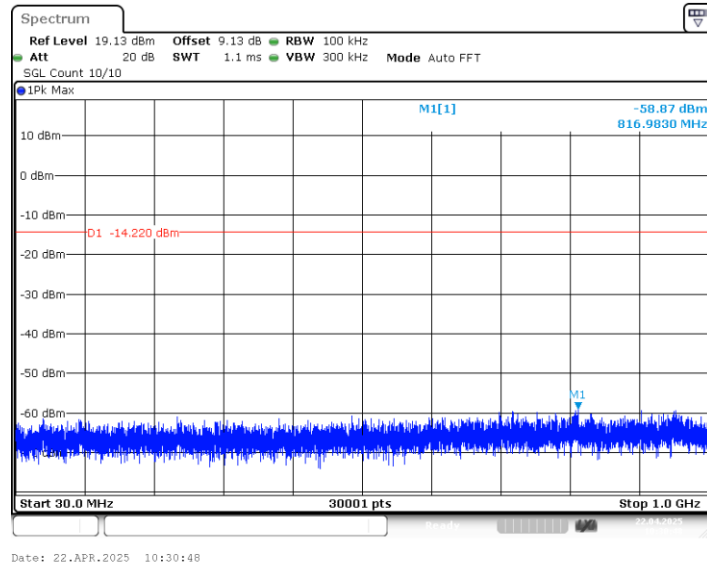
Appendix G: Conducted Spurious Emission

Test Result

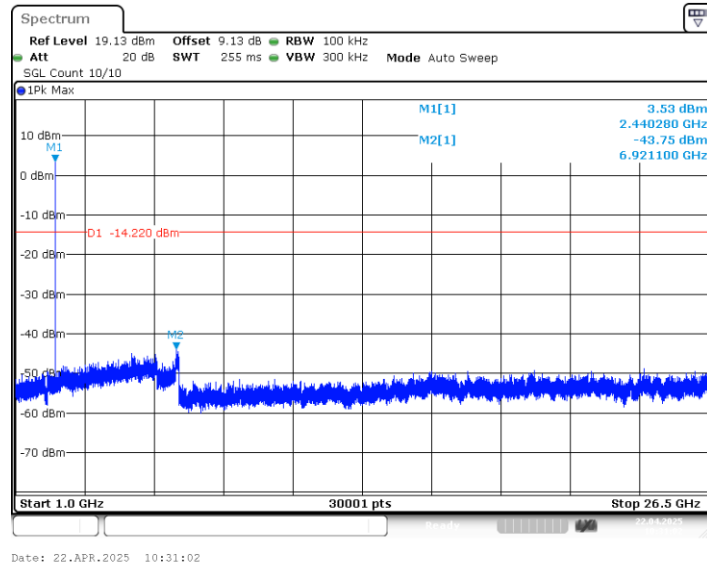
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	5.97	-59.32	≤-14.03	PASS
			1000~26500	5.97	-44.57	≤-14.03	PASS
		2440	30~1000	5.78	-58.87	≤-14.22	PASS
			1000~26500	5.78	-43.75	≤-14.22	PASS
		2480	30~1000	5.43	-58.8	≤-14.57	PASS
			1000~26500	5.43	-44.94	≤-14.57	PASS
BLE_2M	Ant1	2402	30~1000	6.33	-59.9	≤-13.67	PASS
			1000~26500	6.33	-43.22	≤-13.67	PASS
		2440	30~1000	6.40	-58.78	≤-13.6	PASS
			1000~26500	6.40	-44.56	≤-13.6	PASS
		2480	30~1000	5.94	-59.61	≤-14.06	PASS
			1000~26500	5.94	-44.41	≤-14.06	PASS

Test Graphs

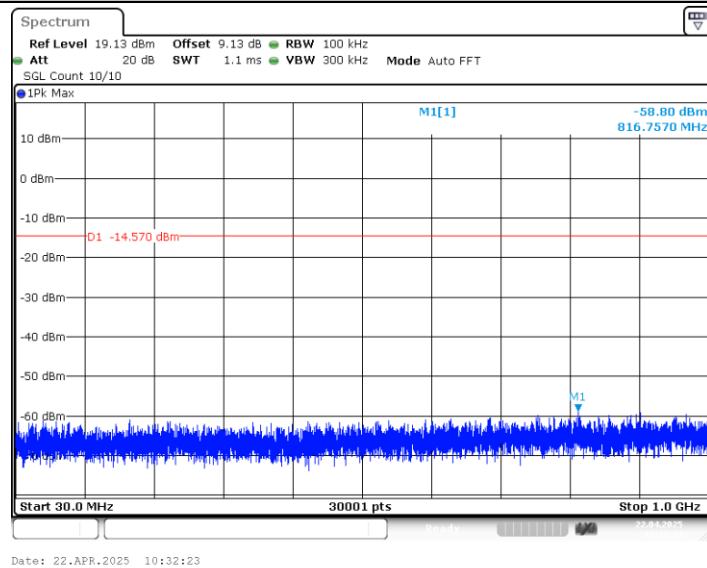




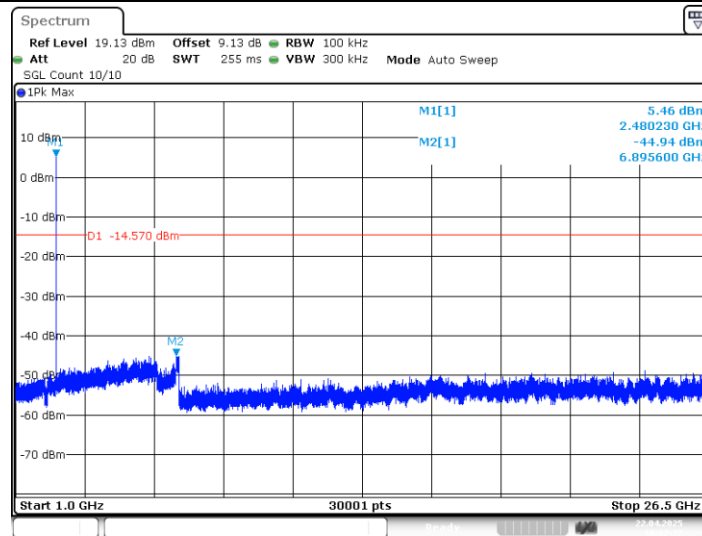
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_30~1000

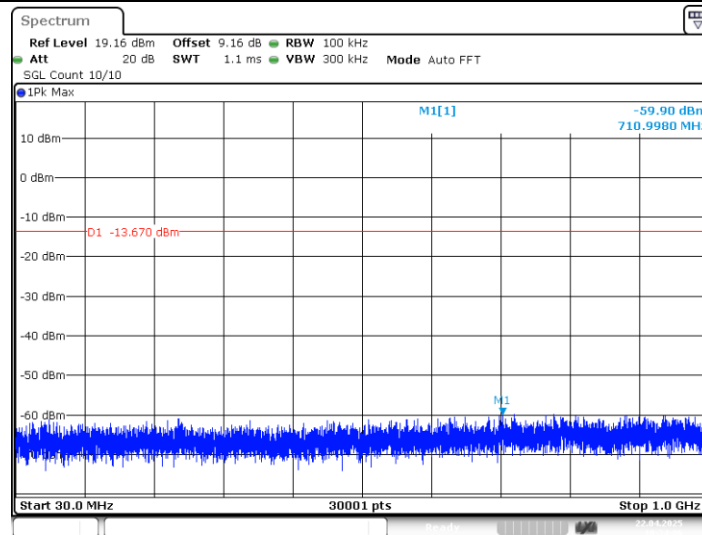


BLE_1M_Ant1_2480_1000~26500



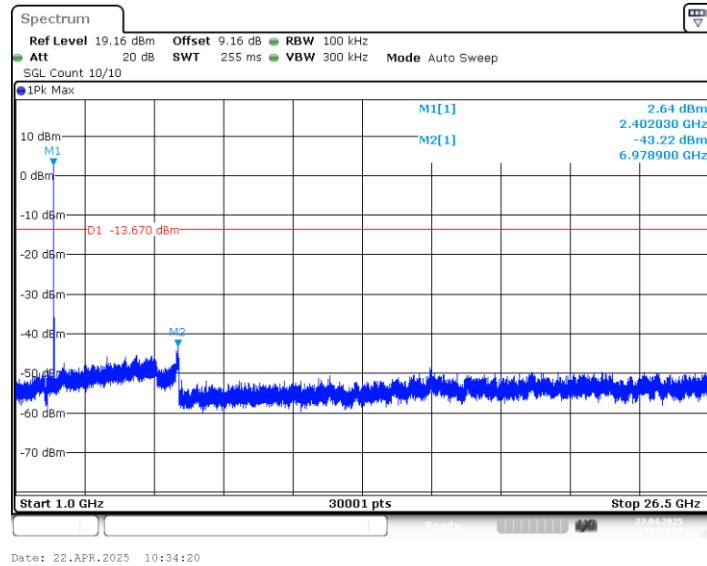
Date: 22.APR.2025 10:32:38

BLE_2M_Ant1_2402_30~1000

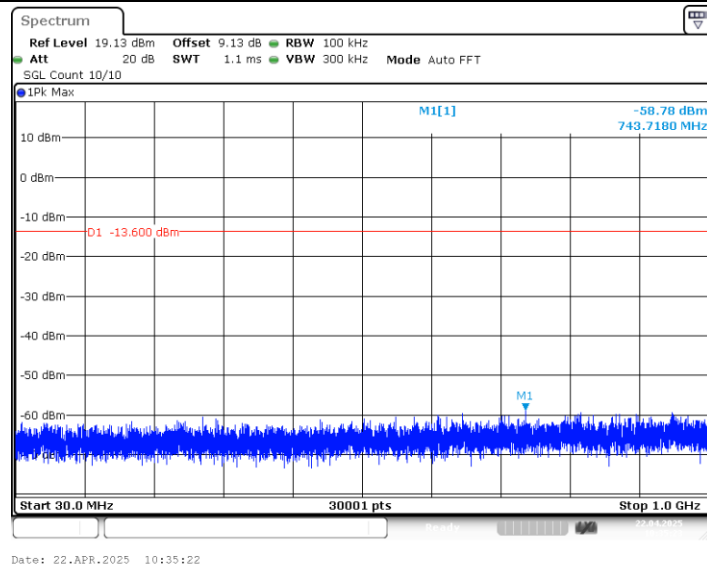


Date: 22.APR.2025 10:34:05

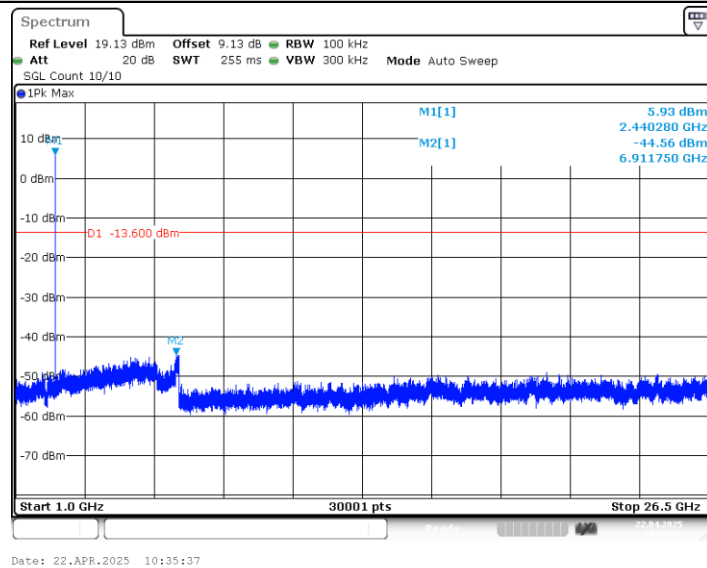
BLE_2M_Ant1_2402_1000~26500



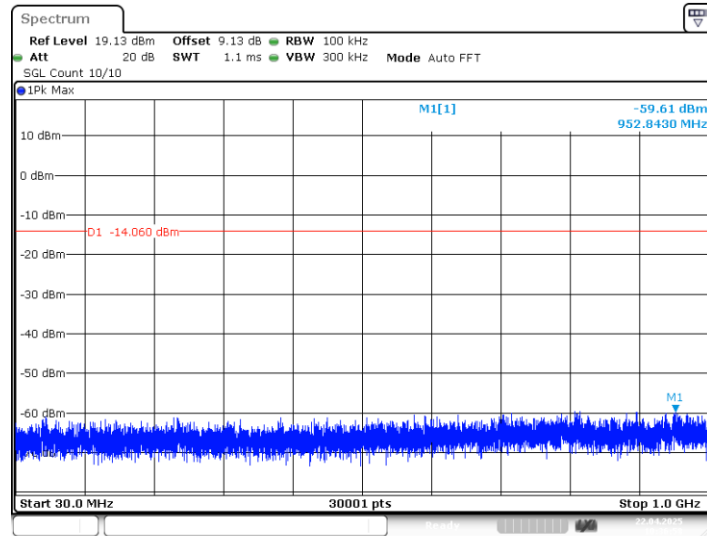
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500

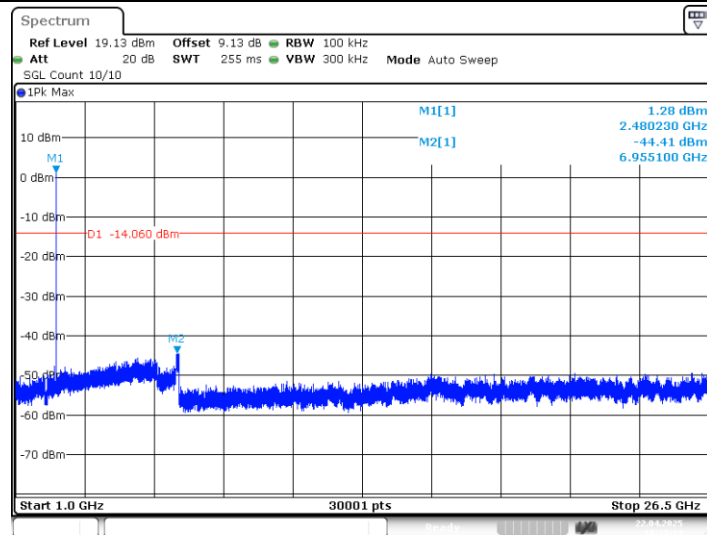


BLE_2M_Ant1_2480_30~1000



Date: 22.APR.2025 10:36:58

BLE_2M_Ant1_2480_1000~26500



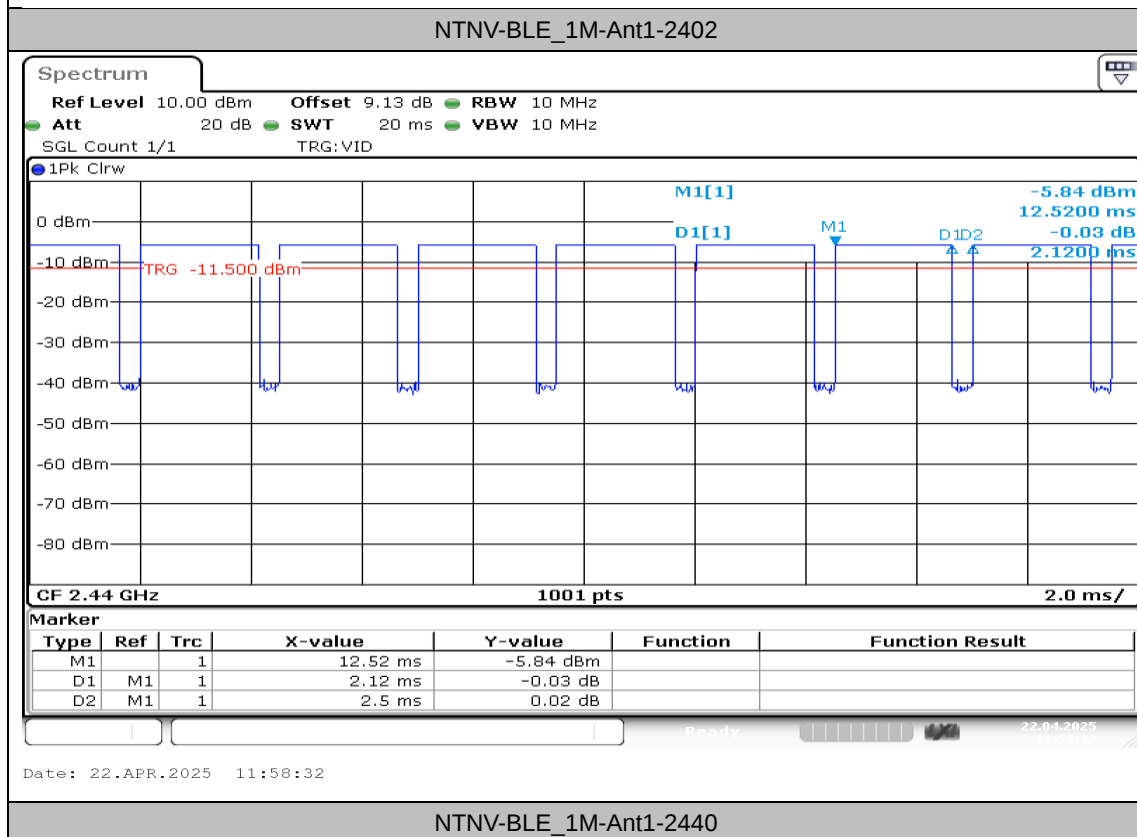
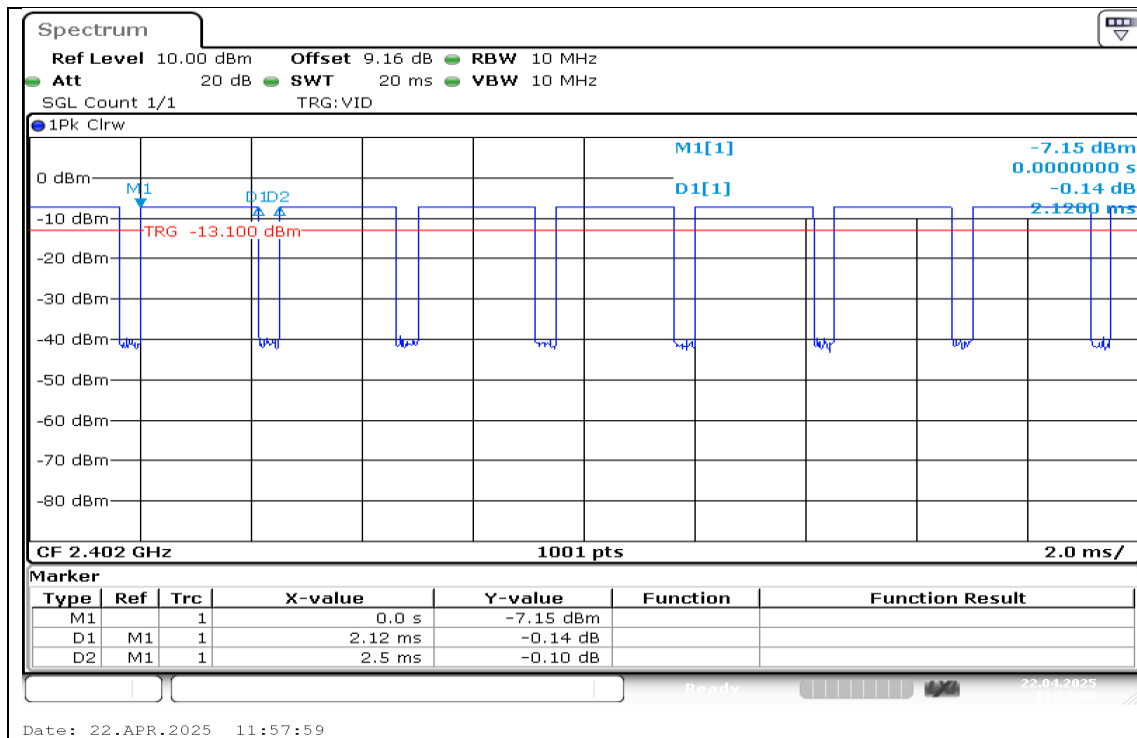
Date: 22.APR.2025 10:37:13

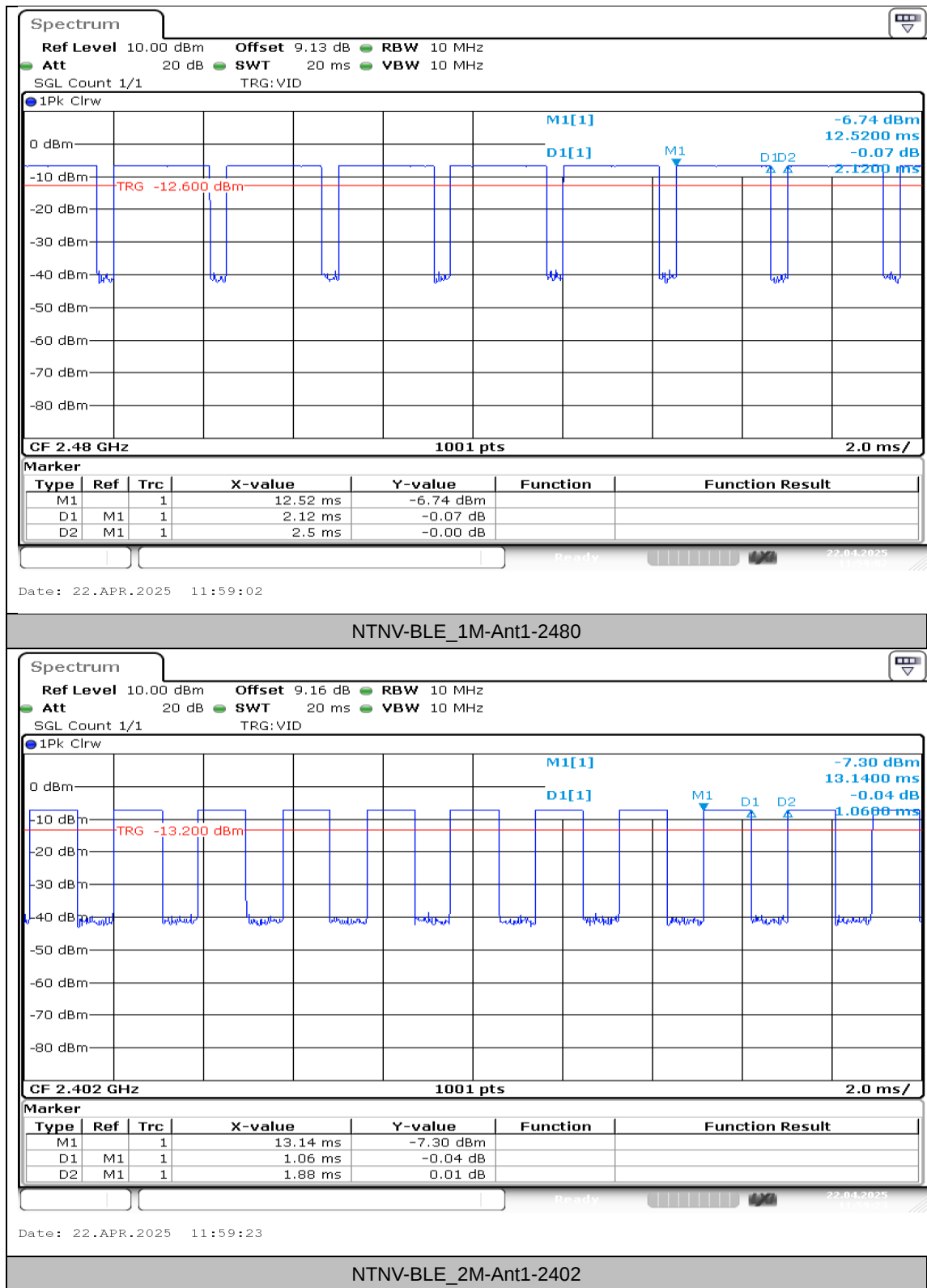
Appendix H: Duty Cycle

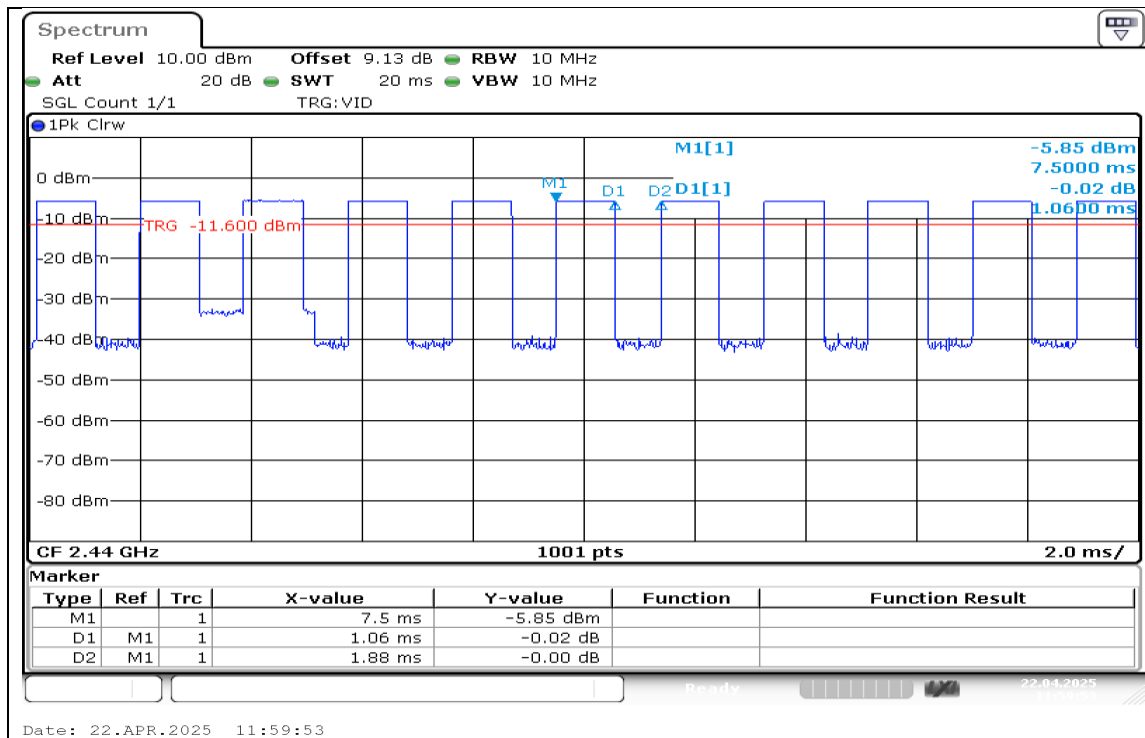
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.12	2.50	84.80	0.72
BLE_2M	Ant1	2402	1.06	1.88	56.38	2.49
BLE_2M	Ant1	2440	1.06	1.88	56.38	2.49
BLE_2M	Ant1	2480	1.06	1.88	56.38	2.49

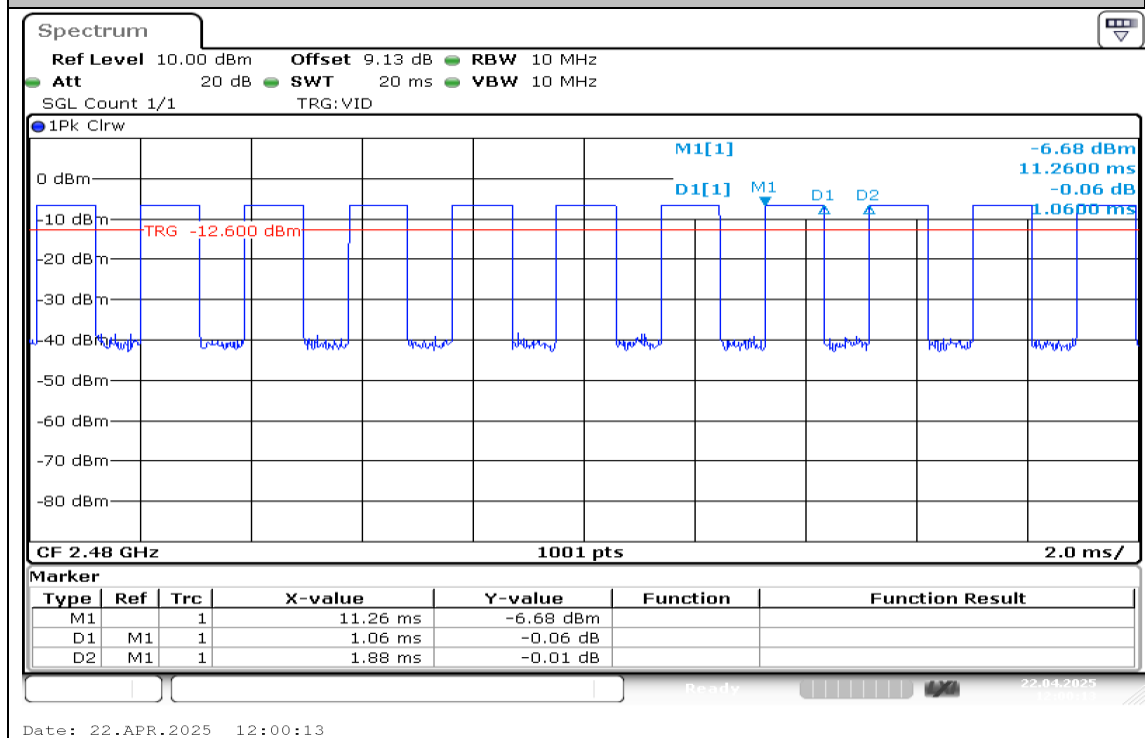
Test Graphs







NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

Appendix I: Emissions in Restricted Bands

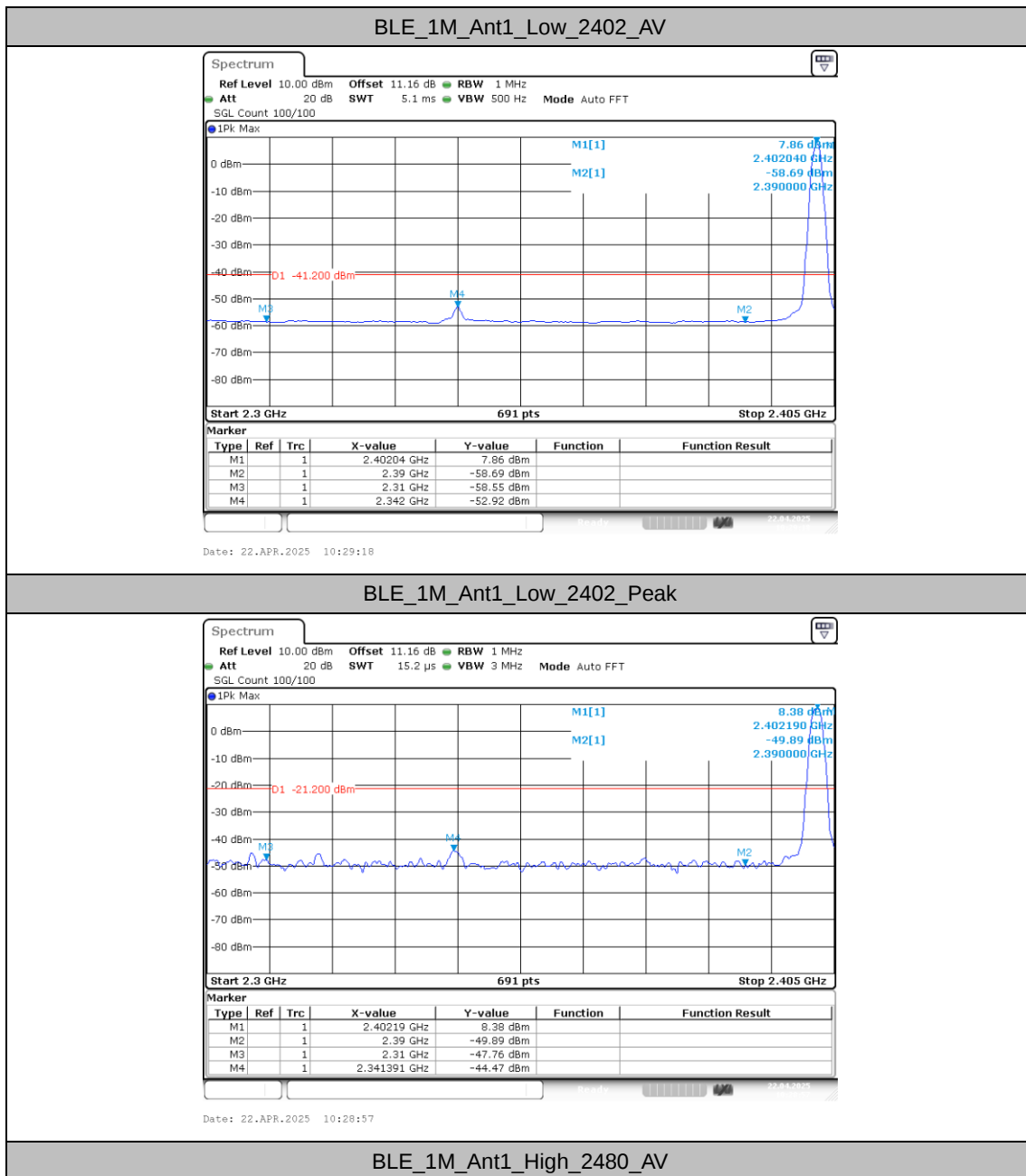
Test Result

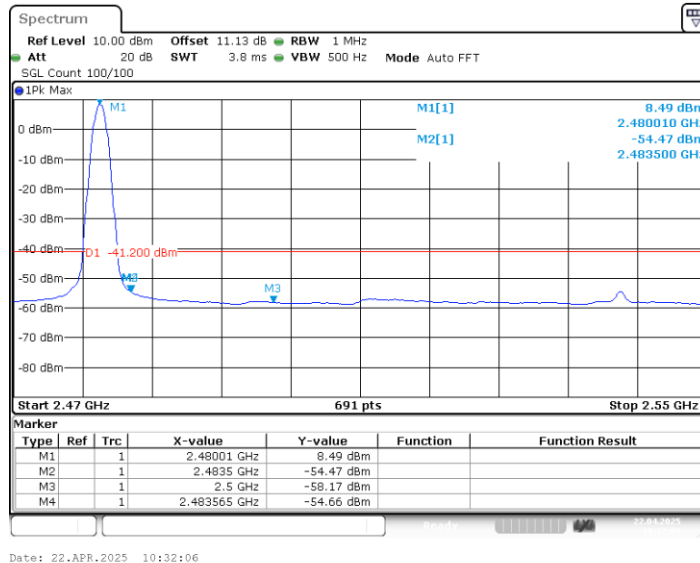
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-58.55	≤-41.20	36.65	≤54	PASS
				AV	2342.000	-52.92	≤-41.20	42.28	≤54	PASS
				AV	2390.000	-58.69	≤-41.20	36.51	≤54	PASS
				Peak	2310.000	-47.76	≤-21.20	47.44	≤74	PASS
				Peak	2341.391	-44.47	≤-21.20	50.73	≤74	PASS
				Peak	2390.000	-49.89	≤-21.20	45.31	≤74	PASS
		High	2480	AV	2483.500	-54.47	≤-41.20	40.73	≤54	PASS
				AV	2483.565	-54.66	≤-41.20	40.54	≤54	PASS
				AV	2500.000	-58.17	≤-41.20	37.03	≤54	PASS
				Peak	2483.500	-43.87	≤-21.20	51.33	≤74	PASS
				Peak	2487.391	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	2500.000	-50.76	≤-21.20	44.44	≤74	PASS
BLE_2M	Ant1	Low	2402	AV	2310.000	-58.25	≤-41.20	36.95	≤54	PASS
				AV	2342.000	-53.67	≤-41.20	41.53	≤54	PASS
				AV	2390.000	-58.26	≤-41.20	36.94	≤54	PASS
				Peak	2310.000	-48.12	≤-21.20	47.08	≤74	PASS
				Peak	2342.609	-45.47	≤-21.20	49.73	≤74	PASS
				Peak	2390.000	-49.73	≤-21.20	45.47	≤74	PASS
		High	2480	AV	2483.500	-49.59	≤-41.20	45.61	≤54	PASS
				AV	2483.565	-50.51	≤-41.20	44.69	≤54	PASS
				AV	2500.000	-57.97	≤-41.20	37.23	≤54	PASS
				Peak	2483.500	-41.99	≤-21.20	53.21	≤74	PASS
				Peak	2483.565	-42.52	≤-21.20	52.68	≤74	PASS
				Peak	2500.000	-51.62	≤-21.20	43.58	≤74	PASS

Note:

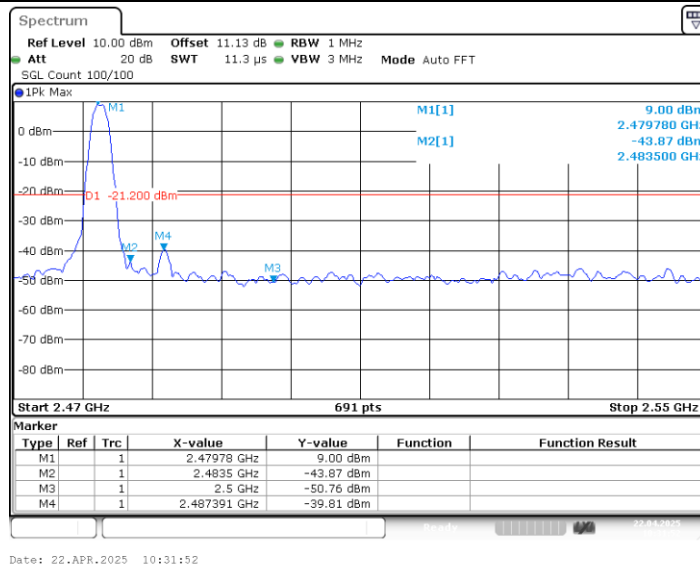
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

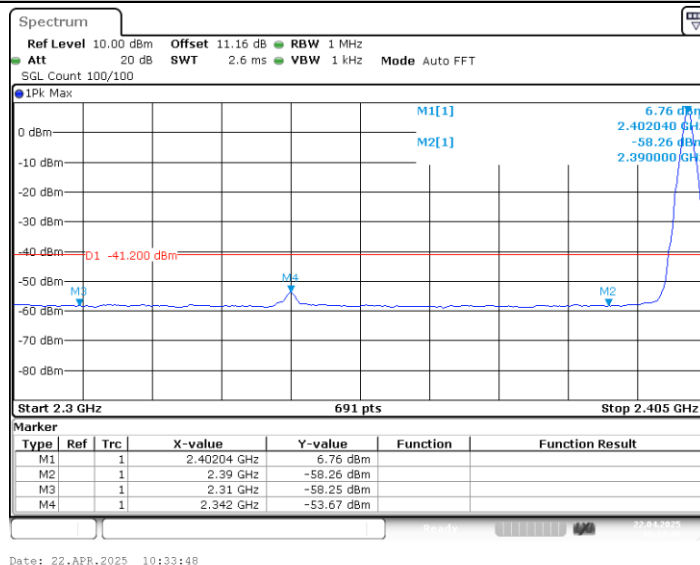




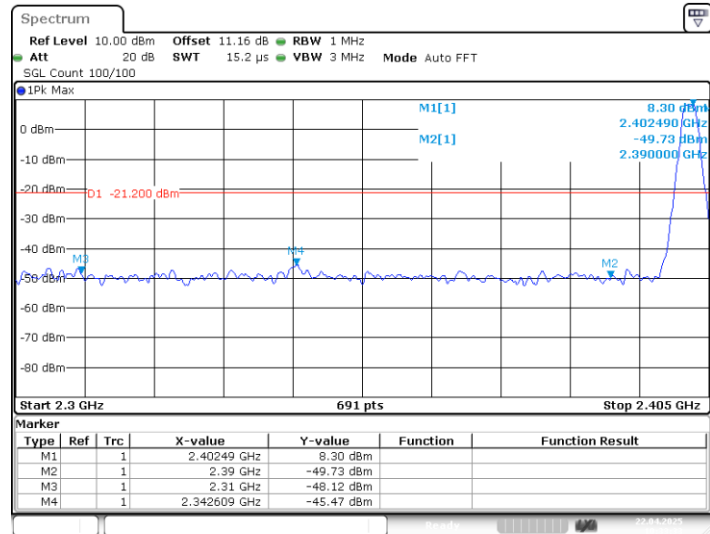
BLE_1M_Ant1_High_2480_Peak



BLE_2M_Ant1_Low_2402_AV

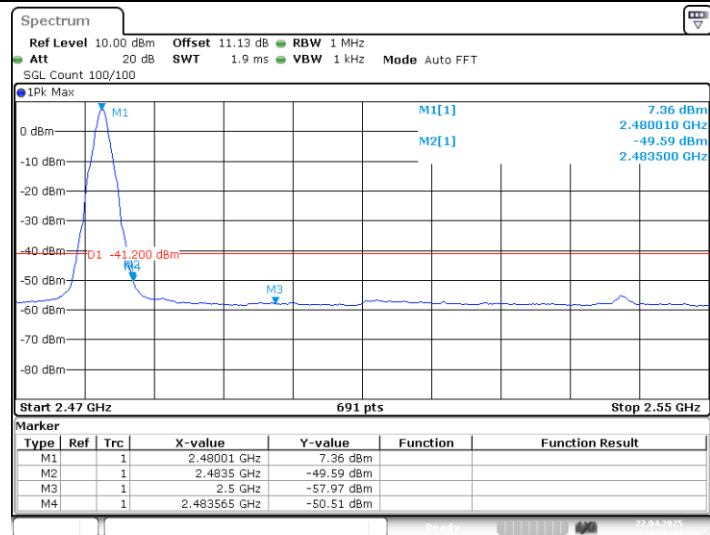


BLE_2M_Ant1_Low_2402_Peak



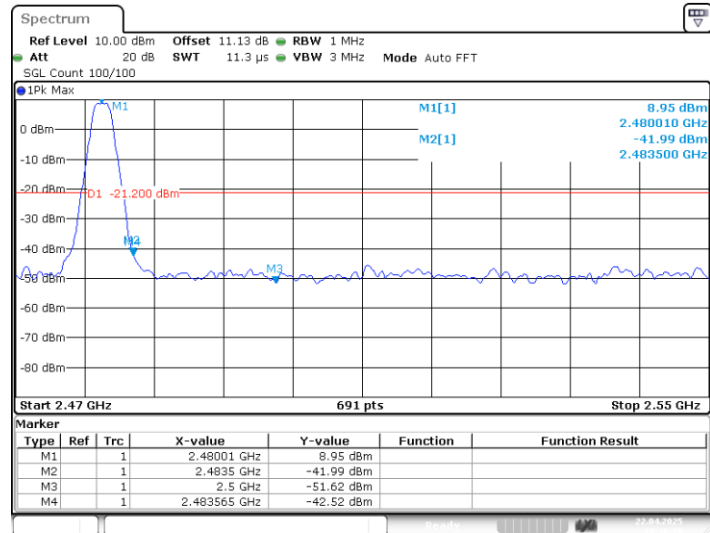
Date: 22.APR.2025 10:33:33

BLE_2M_Ant1_High_2480_AV



Date: 22.APR.2025 10:36:41

BLE_2M_Ant1_High_2480_Peak



Date: 22.APR.2025 10:36:30