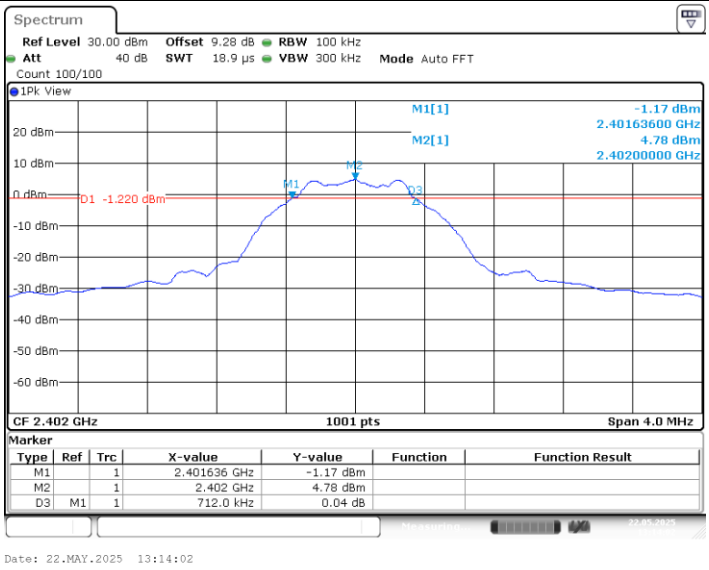
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.64	2402.35	0.5	PASS
		2440	0.72	2439.63	2440.35	0.5	PASS
		2480	0.72	2479.64	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.18	2401.42	2402.60	0.5	PASS
		2440	1.18	2439.42	2440.60	0.5	PASS
		2480	1.17	2479.42	2480.60	0.5	PASS

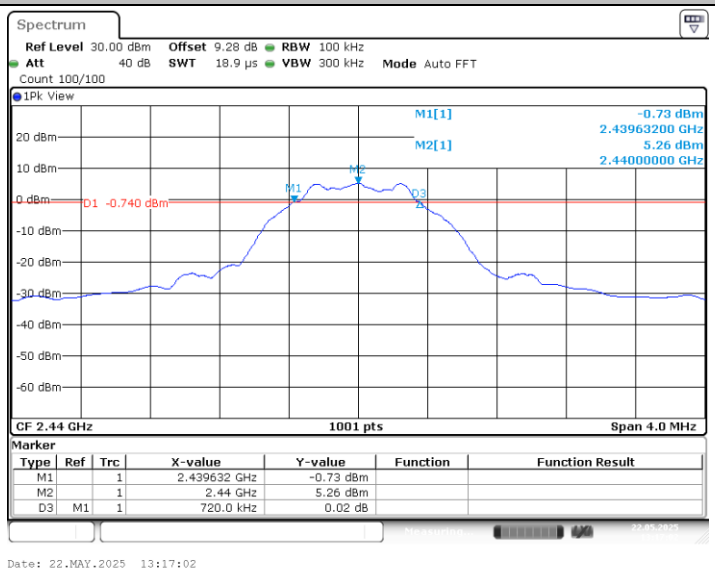
Test Graphs

BLE_1M_Ant1_2402



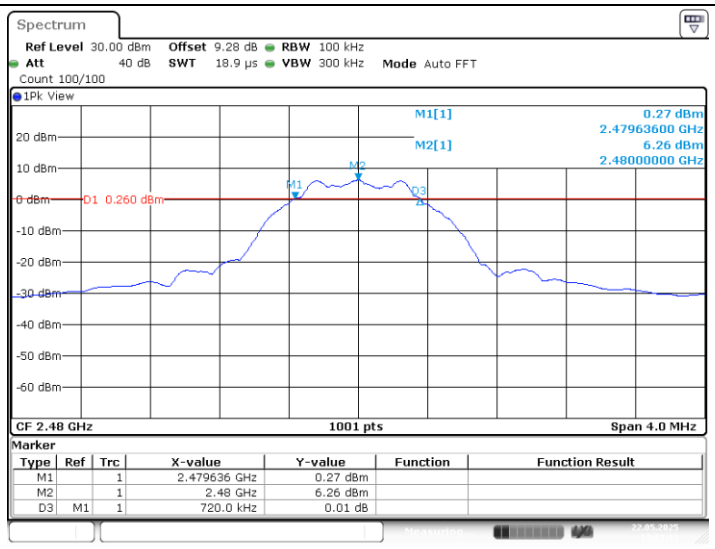
Date: 22.MAY.2025 13:14:02

BLE_1M_Ant1_2440



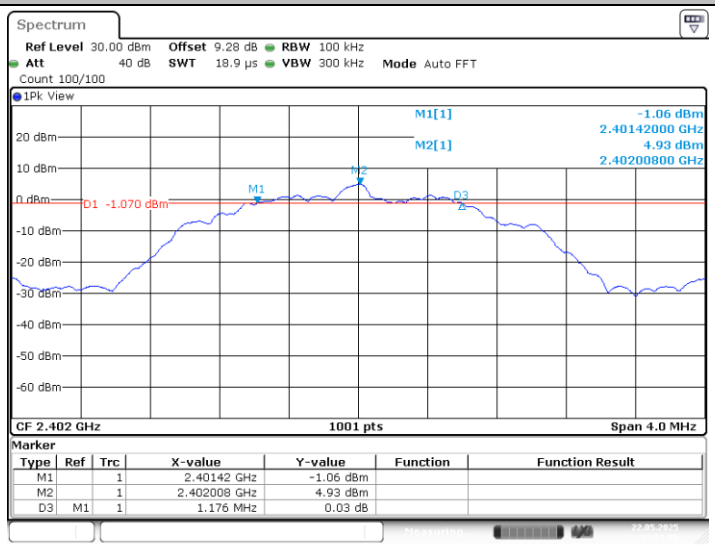
Date: 22.MAY.2025 13:17:02

BLE_1M_Ant1_2480



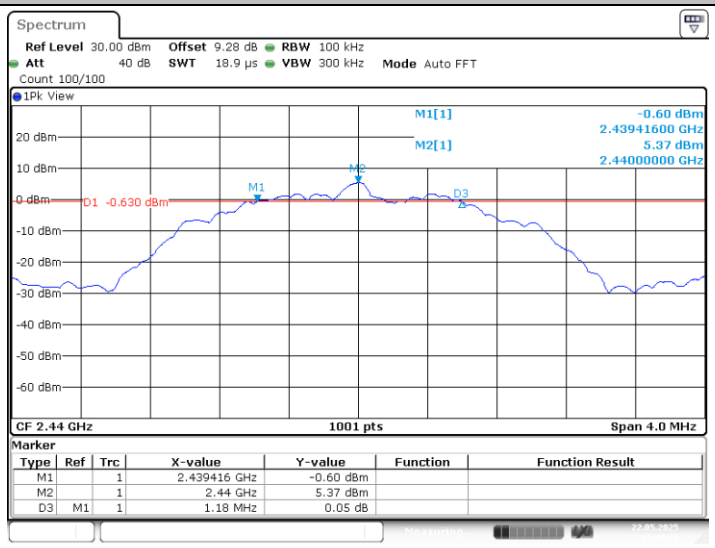
Date: 22.MAY.2025 13:21:13

BLE_2M_Ant1_2402



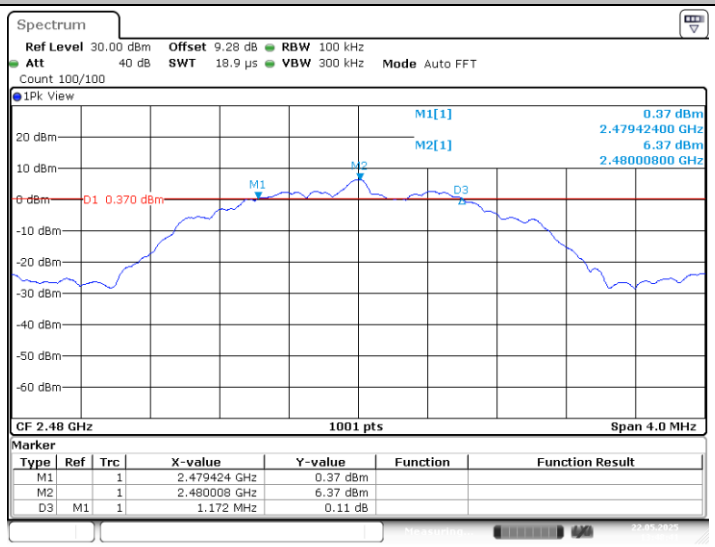
Date: 22.MAY.2025 13:31:06

BLE_2M_Ant1_2440



Date: 22.MAY.2025 13:44:29

BLE_2M_Ant1_2480



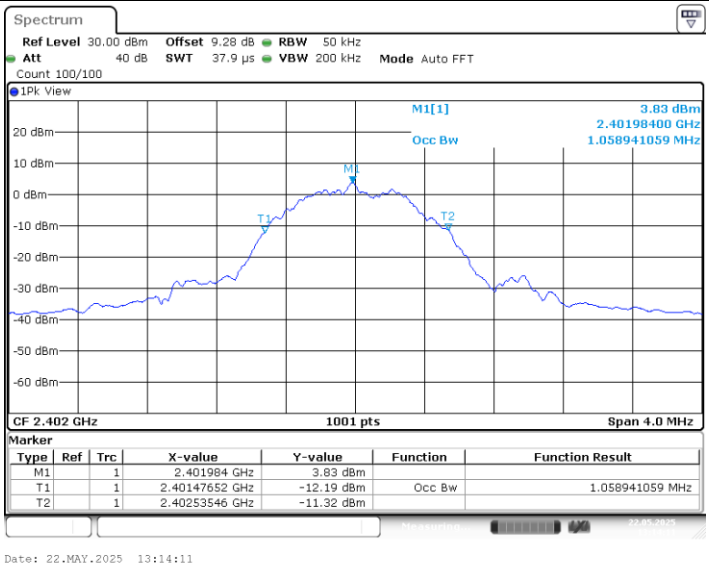
Appendix B: Occupied Channel Bandwidth

Test Result

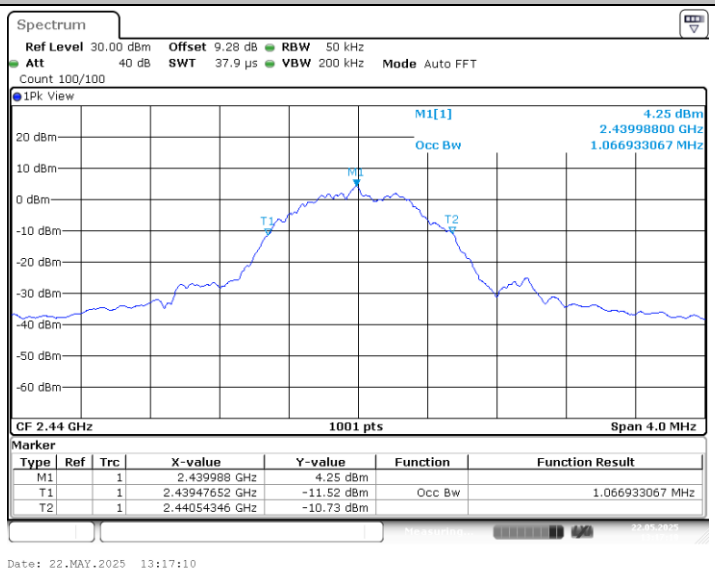
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.059	2401.4765	2402.5355	---	---
		2440	1.067	2439.4765	2440.5435	---	---
		2480	1.071	2479.4725	2480.5435	---	---
BLE_2M	Ant1	2402	2.074	2400.9850	2403.0589	---	---
		2440	2.086	2438.9770	2441.0629	---	---
		2480	2.102	2478.9690	2481.0709	---	---

Test Graphs

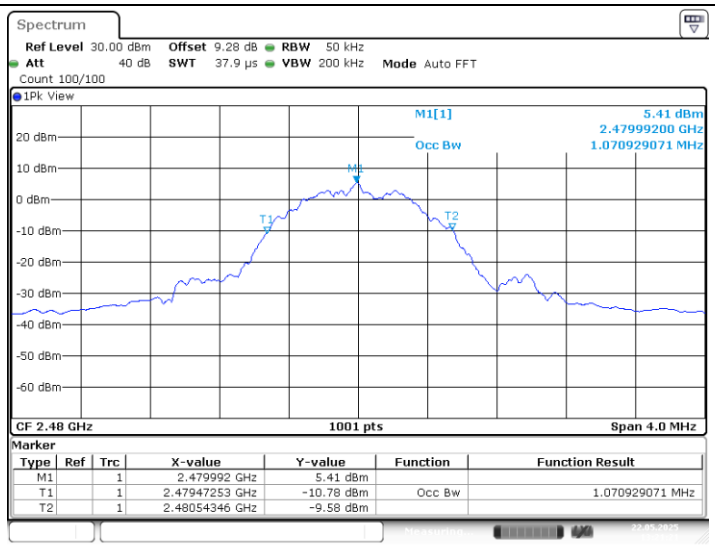
BLE_1M_Ant1_2402



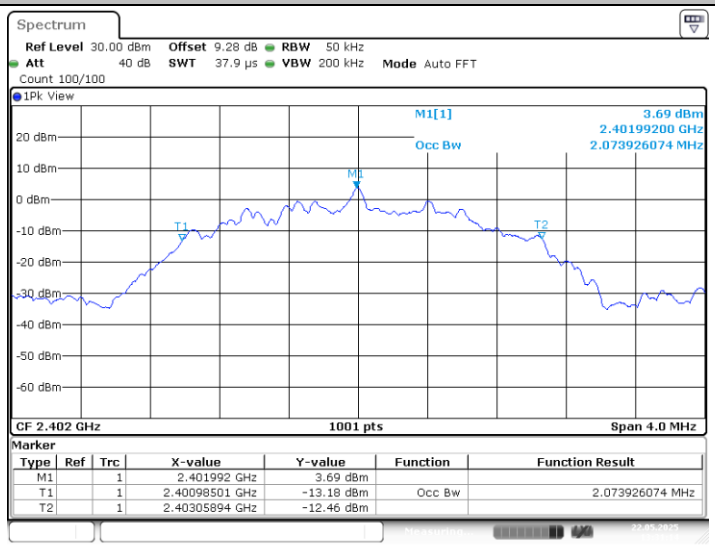
BLE_1M_Ant1_2440



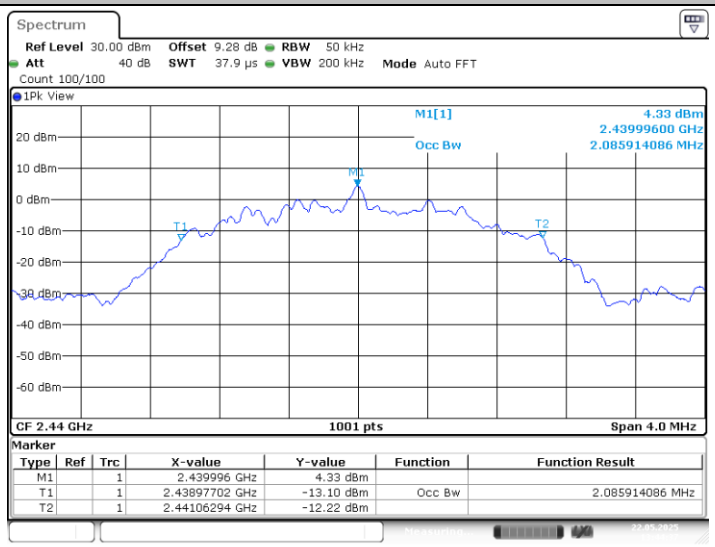
BLE_1M_Ant1_2480



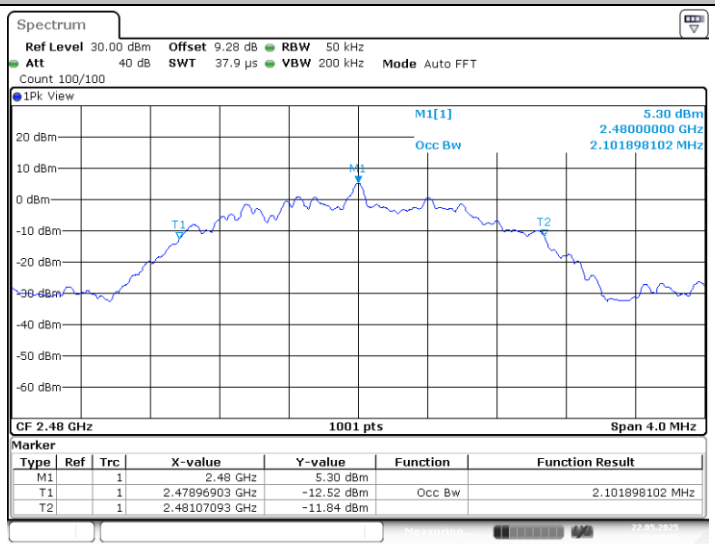
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Date: 22.MAY.2025 13:48:49

Appendix C: Maximum conducted output power

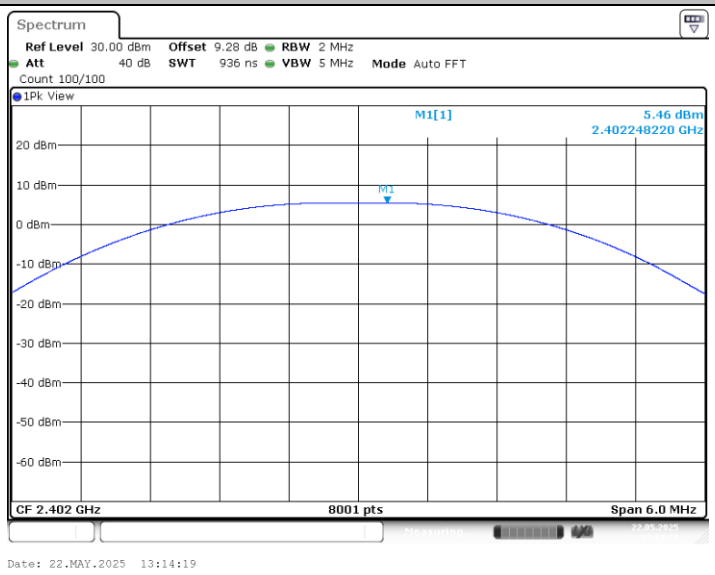
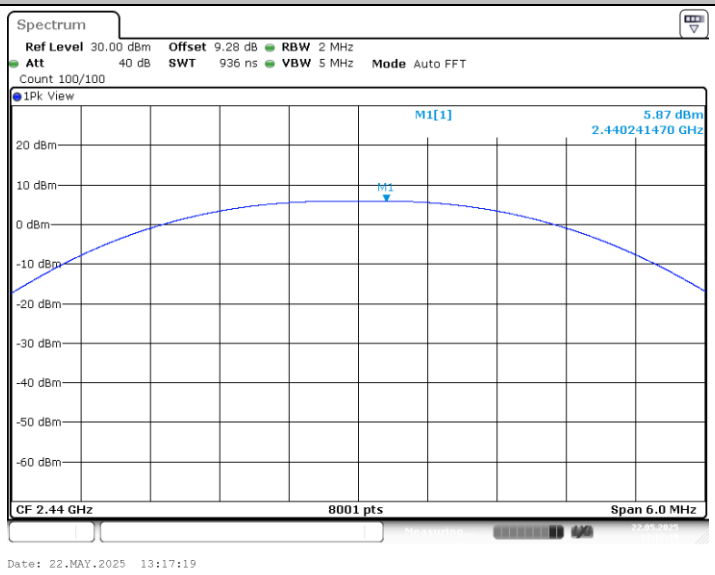
Test Result Peak

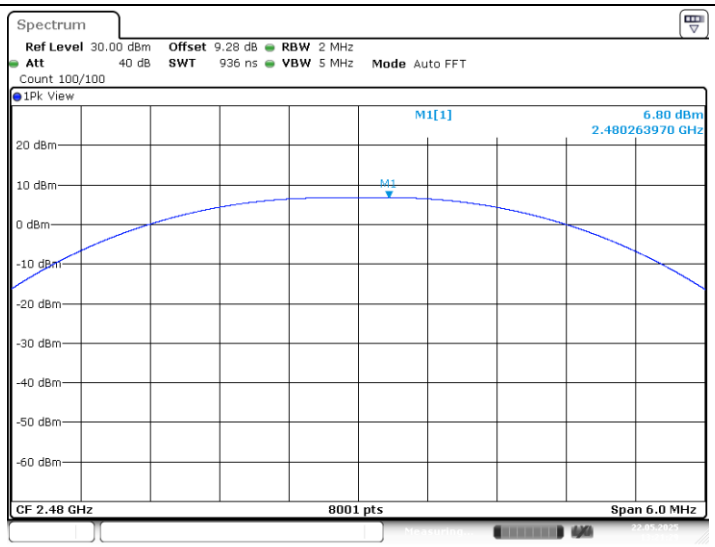
TestMode	Antenna	Freq(MHz)	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.46	≤30	7.66	≤36	PASS
		2440	5.87	≤30	8.07	≤36	PASS
		2480	6.80	≤30	9.00	≤36	PASS
BLE_2M	Ant1	2402	5.48	≤30	7.68	≤36	PASS
		2440	5.83	≤30	8.03	≤36	PASS
		2480	6.80	≤30	9.00	≤36	PASS

Test Result Average

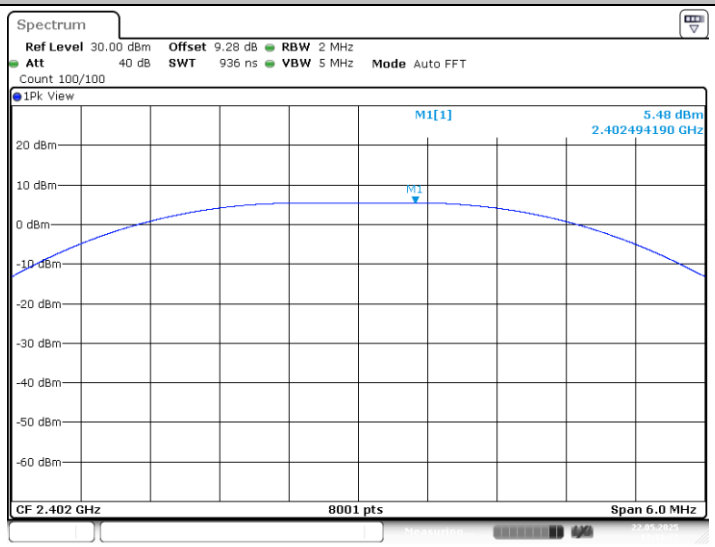
Test Mode	Antenna	Freq(MHz)	Conducted Sensor power[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
TestMode	Antenna	Channel	RawPower	DC	DcFactor	Result	Limit	Gain	EIRP	Limit1	Verdict

Test Graphs Peak

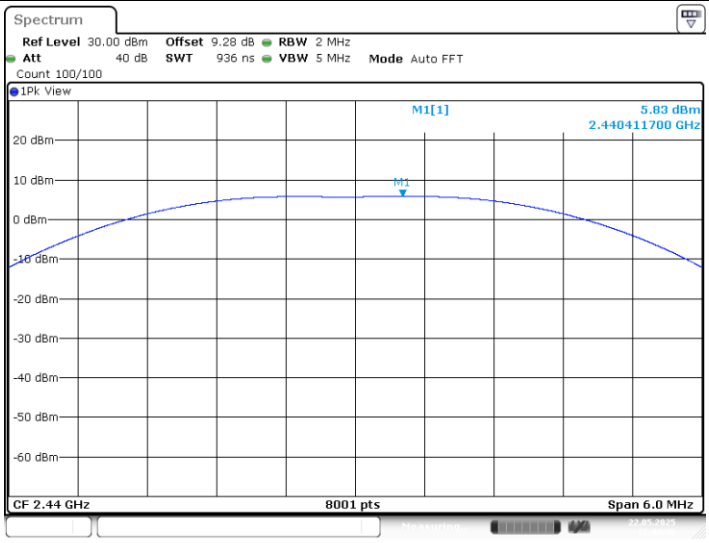
BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

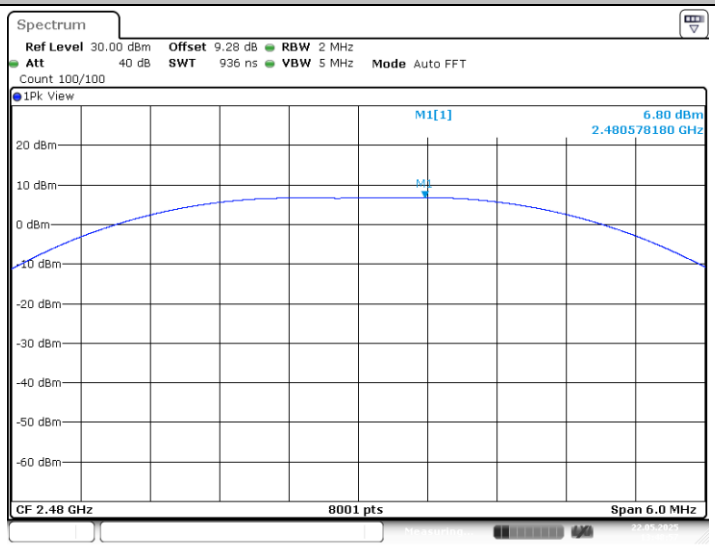


BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



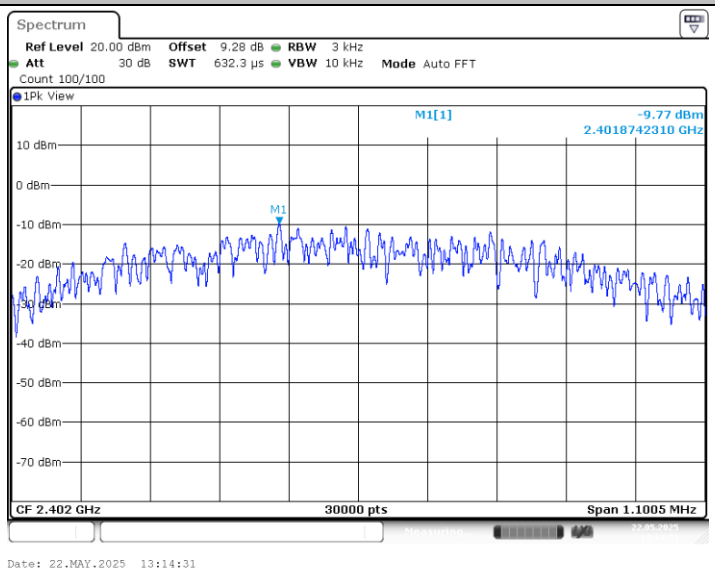
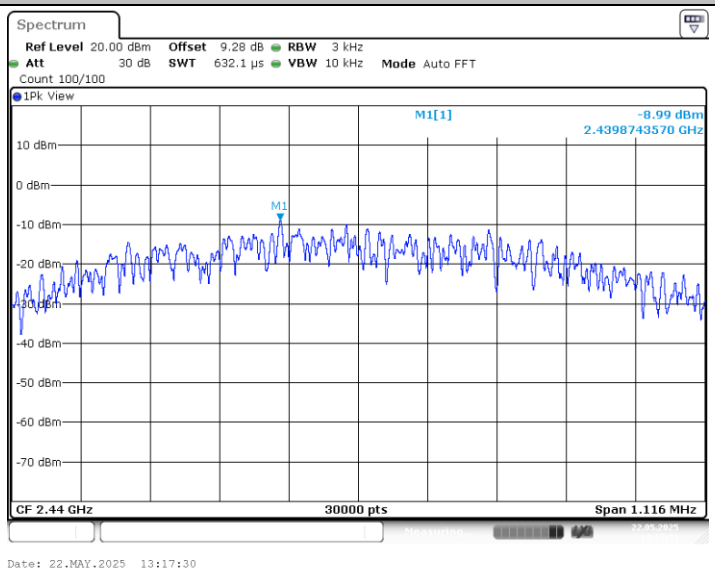
BLE_2M_Ant1_2480


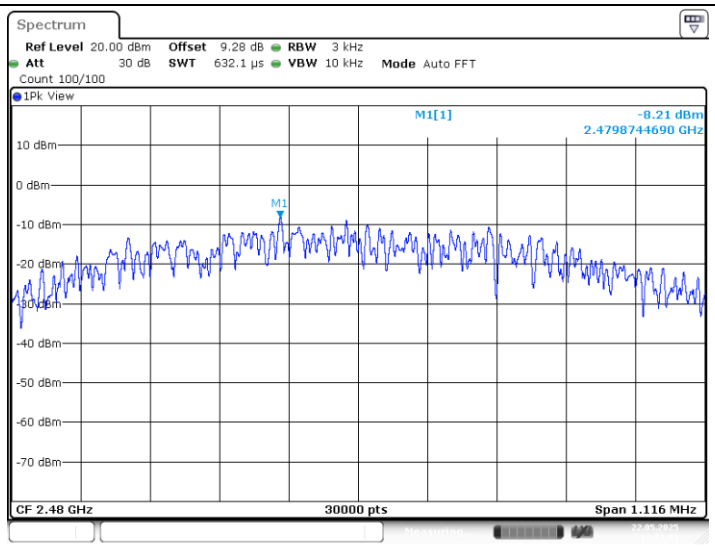
Appendix D: Maximum power spectral density

Test Result

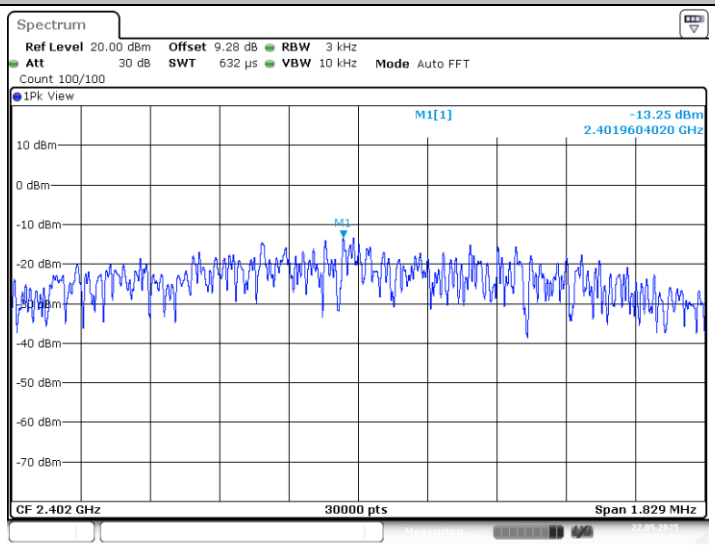
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.77	≤8.00	PASS
		2440	-8.99	≤8.00	PASS
		2480	-8.21	≤8.00	PASS
BLE_2M	Ant1	2402	-13.25	≤8.00	PASS
		2440	-12.63	≤8.00	PASS
		2480	-11.27	≤8.00	PASS

Test Graphs

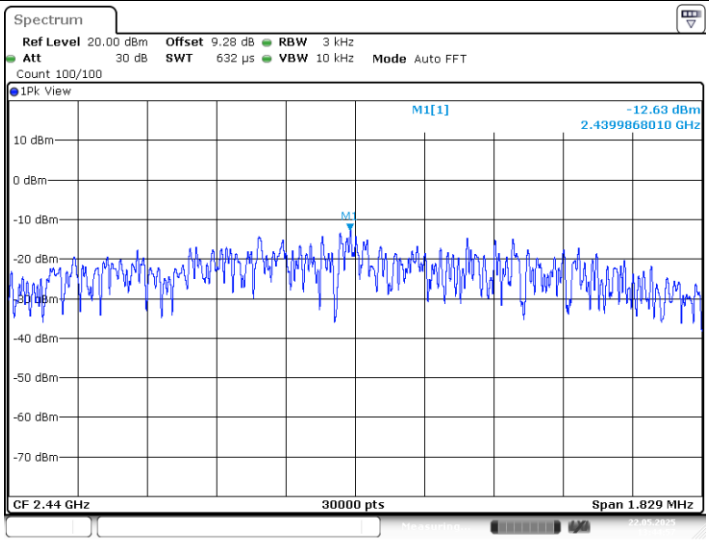
BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_Ant1_2480



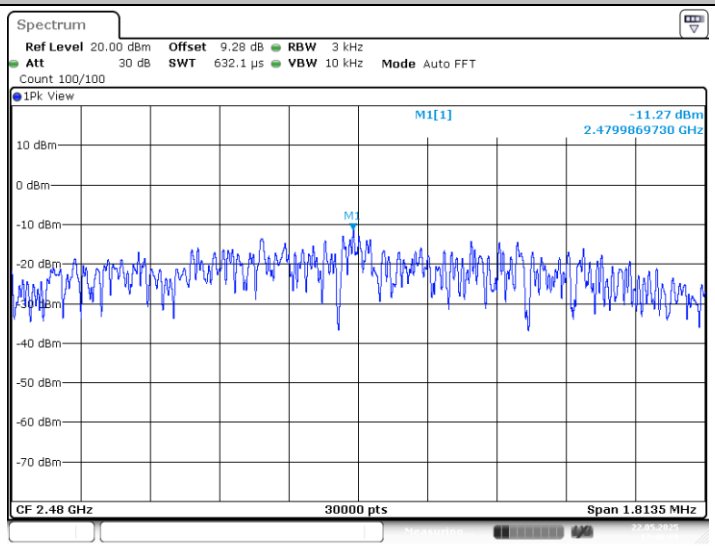
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Date: 22.MAY.2025 13:49:09

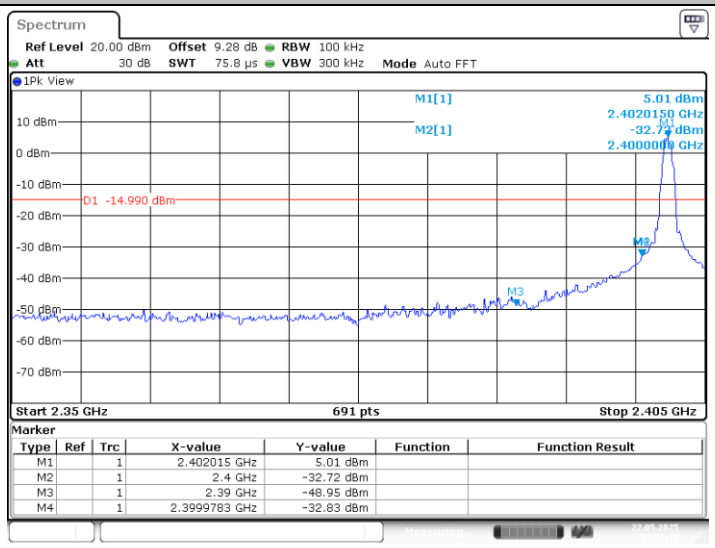
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.01	-32.83	≤-14.99	PASS
		High	2480	6.19	-41.49	≤-13.81	PASS
BLE_2M	Ant1	Low	2402	4.94	-25.96	≤-15.06	PASS
		High	2480	6.42	-37.31	≤-13.58	PASS

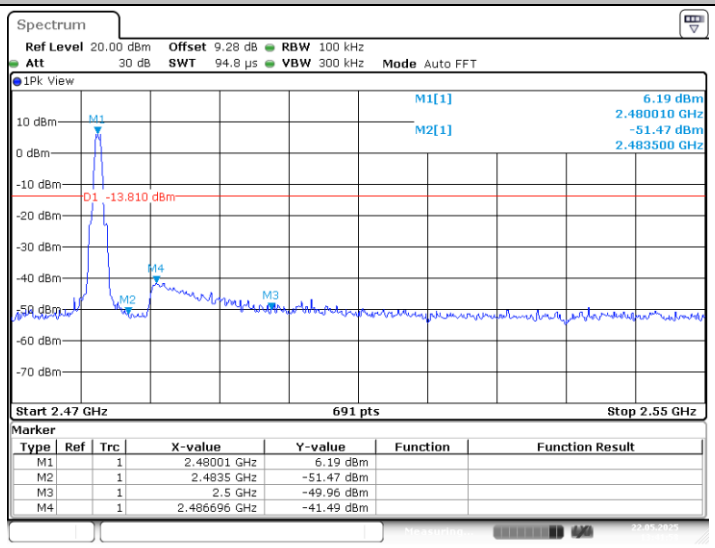
Test Graphs

BLE_1M_Ant1_Low_2402



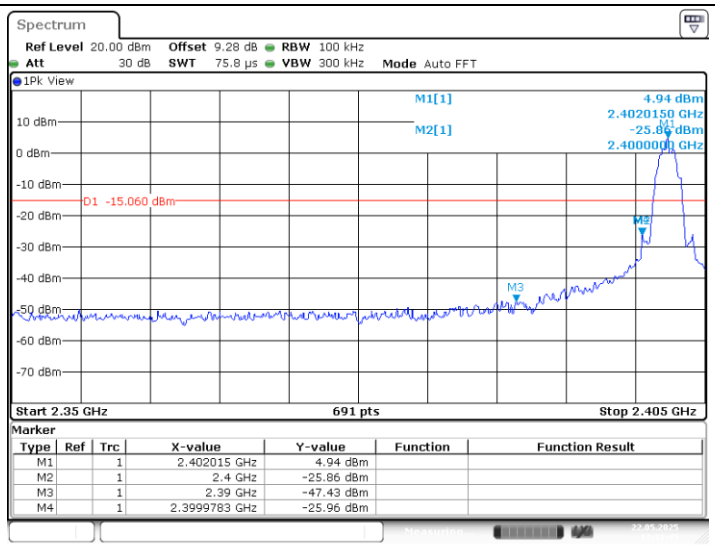
Date: 22.MAY.2025 13:35:18

BLE_1M_Ant1_High_2480



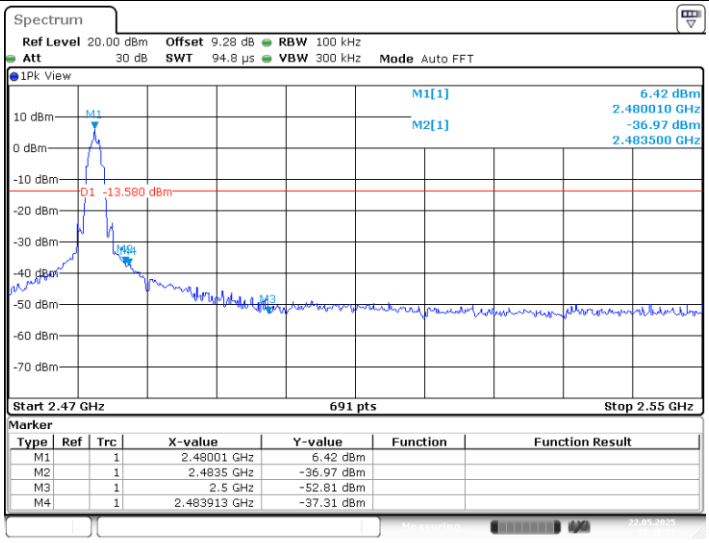
Date: 22.MAY.2025 13:41:58

BLE_2M_Ant1_Low_2402



Date: 22.MAY.2025 13:31:46

BLE_2M_Ant1_High_2480



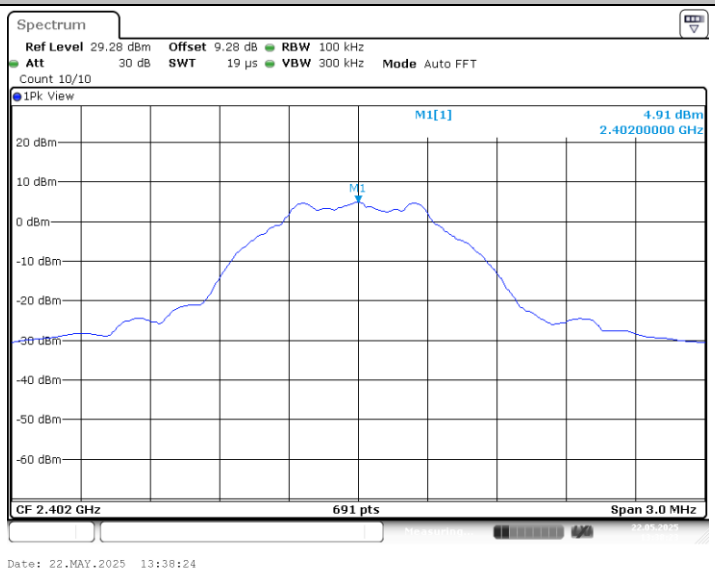
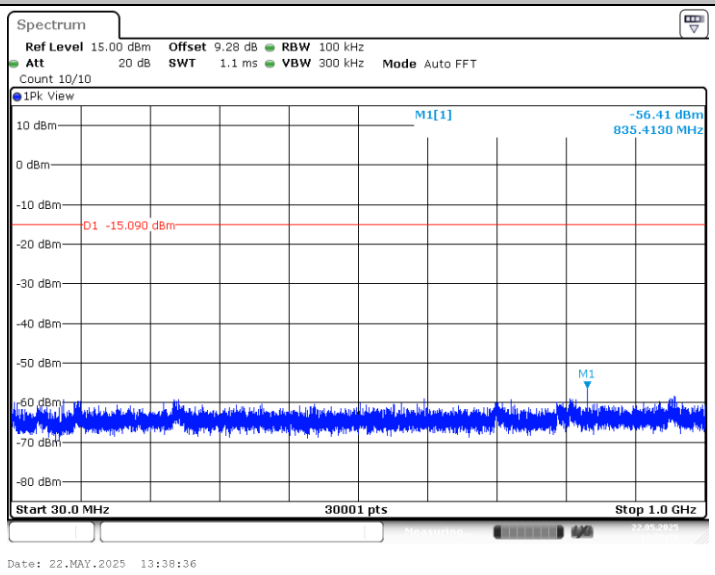
Date: 22.MAY.2025 13:49:20

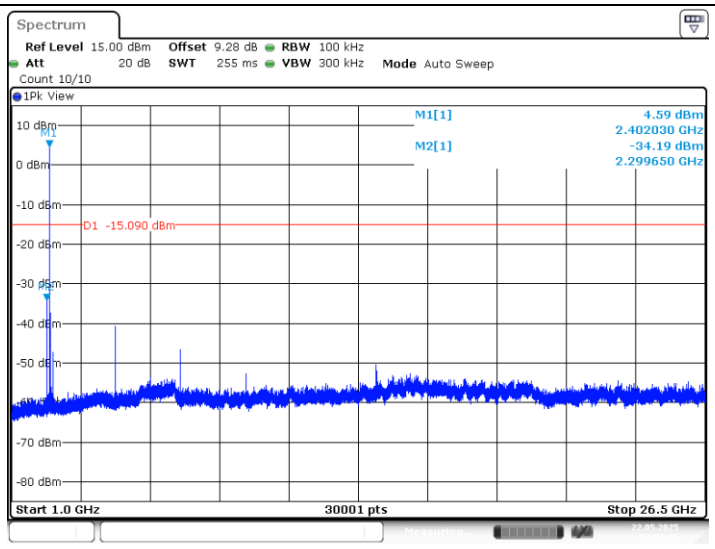
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.91	4.91	---	PASS
			30~1000	4.91	-56.41	≤-15.09	PASS
			1000~26500	4.91	-34.19	≤-15.09	PASS
		2440	Reference	5.27	5.27	---	PASS
			30~1000	5.27	-58.59	≤-14.73	PASS
			1000~26500	5.27	-34.88	≤-14.73	PASS
		2480	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-55.21	≤-13.76	PASS
			1000~26500	6.24	-34.53	≤-13.76	PASS
BLE_2M	Ant1	2402	Reference	5.01	5.01	---	PASS
			30~1000	5.01	-57.93	≤-14.99	PASS
			1000~26500	5.01	-34.97	≤-14.99	PASS
		2440	Reference	5.40	5.40	---	PASS
			30~1000	5.40	-52.18	≤-14.6	PASS
			1000~26500	5.40	-32.83	≤-14.6	PASS
		2480	Reference	6.38	6.38	---	PASS
			30~1000	6.38	-51.14	≤-13.62	PASS
			1000~26500	6.38	-33.92	≤-13.62	PASS

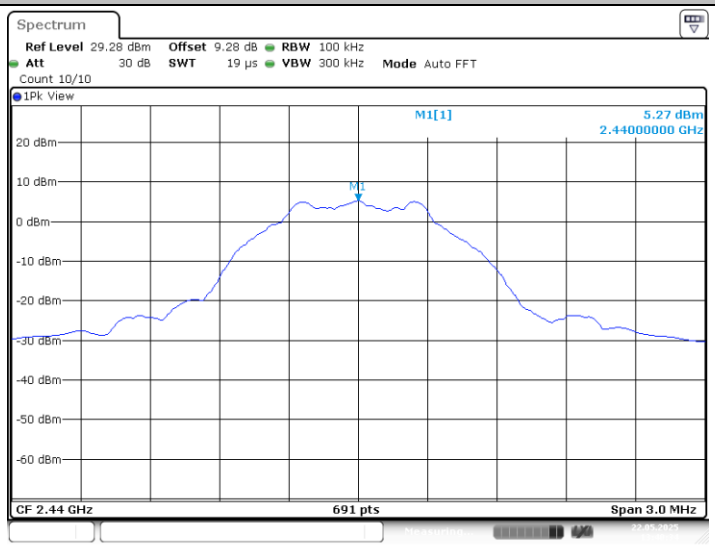
Test Graphs

BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

BLE_1M_Ant1_2402_1000~26500



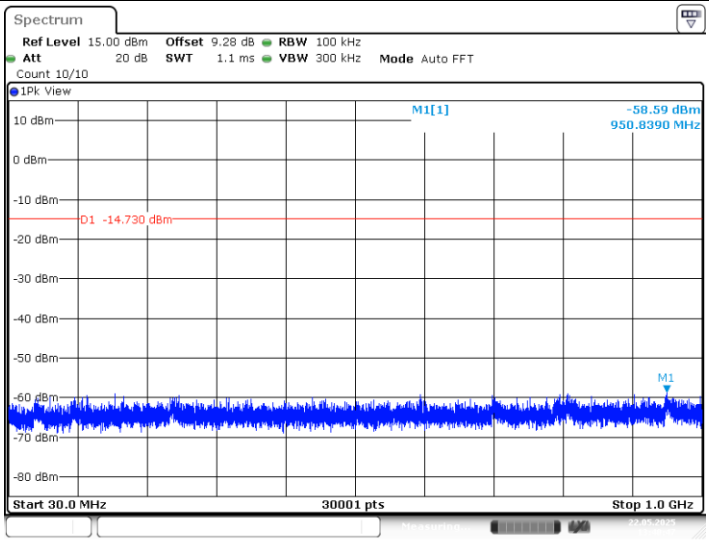
Date: 22.MAY.2025 13:39:16

BLE_1M_Ant1_2440_0~Reference

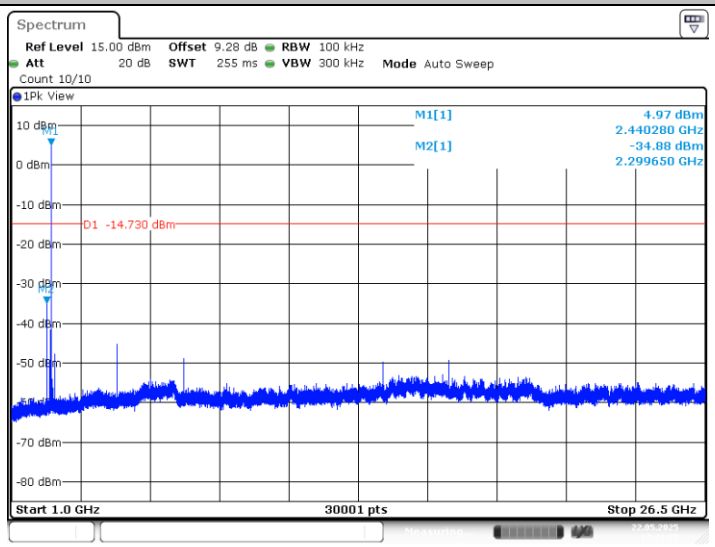
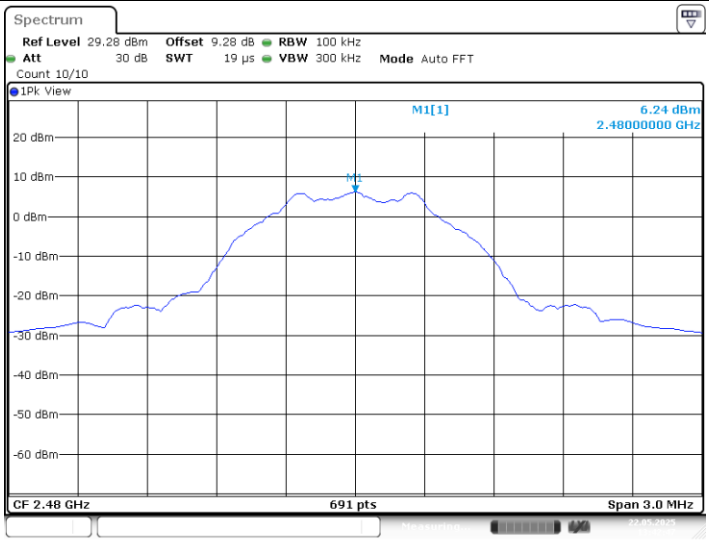


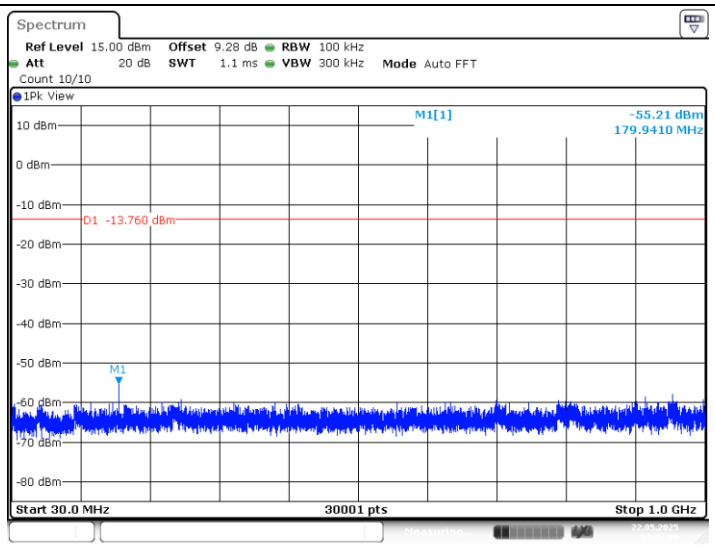
Date: 22.MAY.2025 13:40:35

BLE_1M_Ant1_2440_30~1000



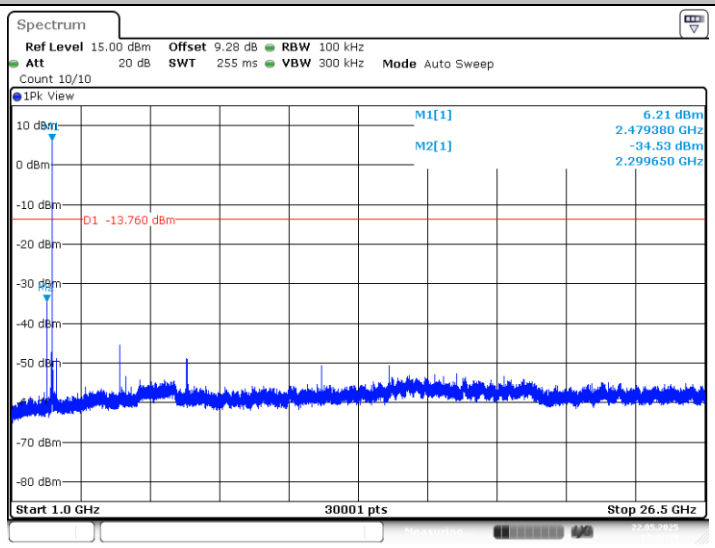
Date: 22.MAY.2025 13:40:48

BLE_1M_Ant1_2440_1000~26500
 Date: 22.MAY.2025 13:41:27
BLE_1M_Ant1_2480_0~Reference
 Date: 22.MAY.2025 13:42:47
BLE_1M_Ant1_2480_30~1000



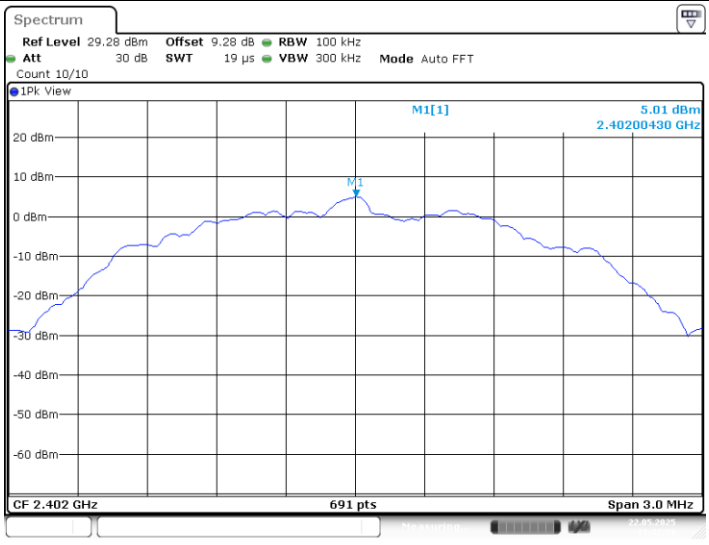
Date: 22.MAY.2025 13:43:00

BLE_1M_Ant1_2480_1000~26500

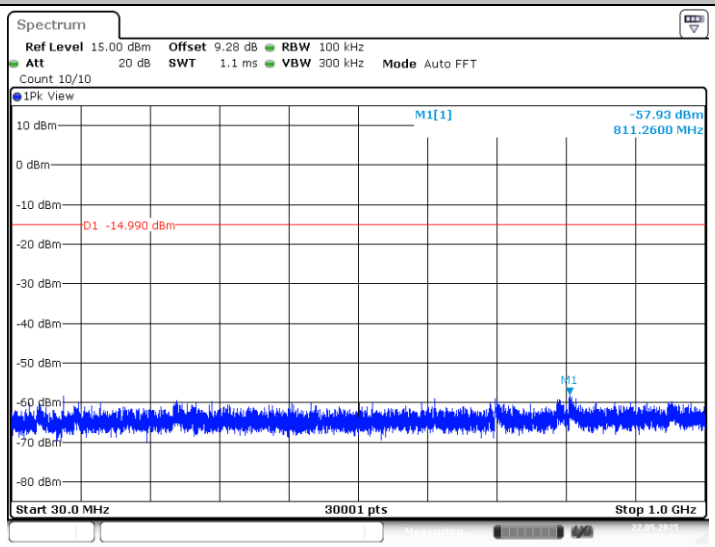
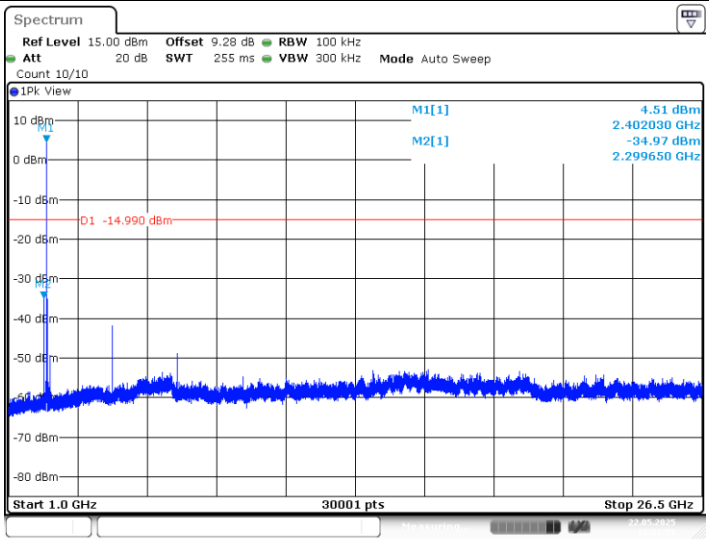


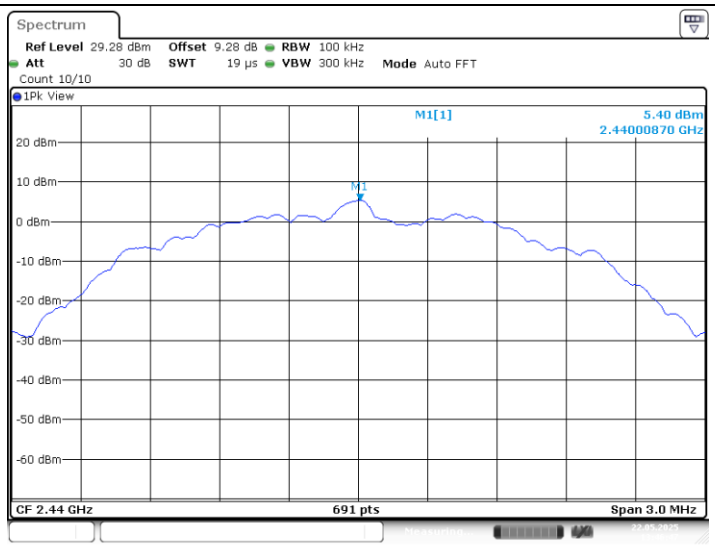
Date: 22.MAY.2025 13:43:40

BLE_2M_Ant1_2402_0~Reference

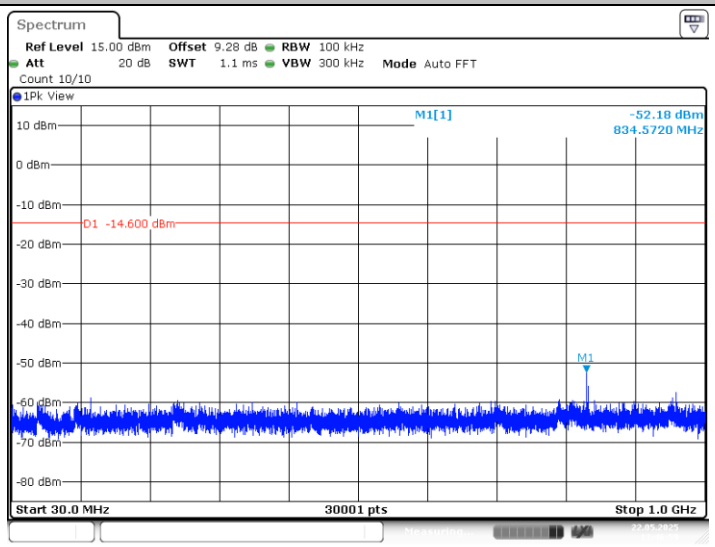


Date: 22.MAY.2025 13:32:56

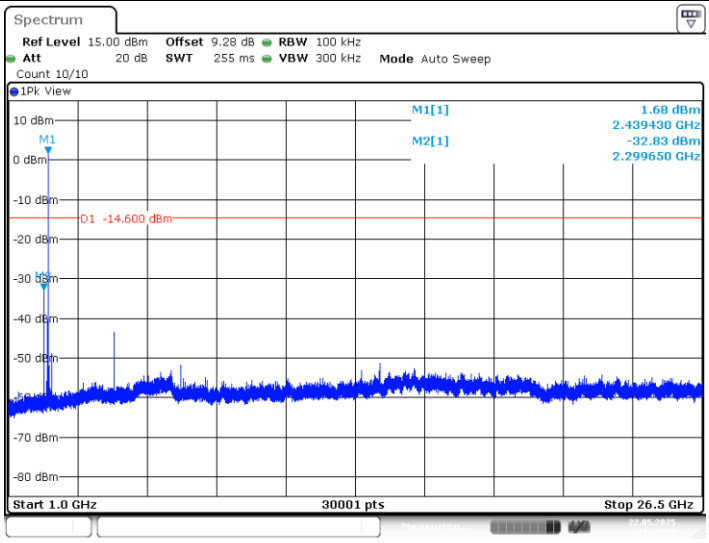
BLE_2M_Ant1_2402_30~1000
 Date: 22.MAY.2025 13:33:10
BLE_2M_Ant1_2402_1000~26500
 Date: 22.MAY.2025 13:33:50
BLE_2M_Ant1_2440_0~Reference

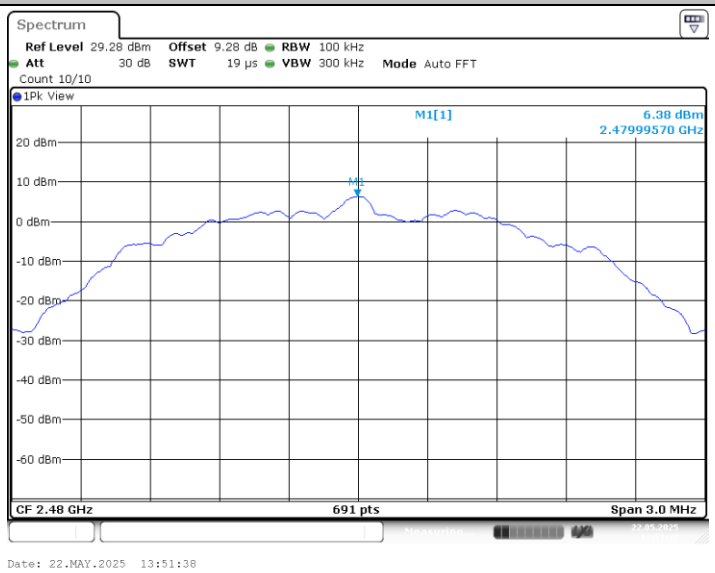
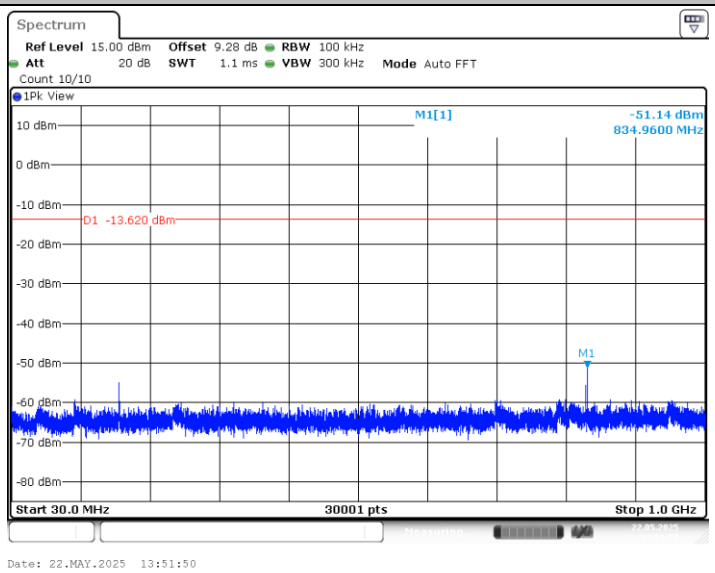


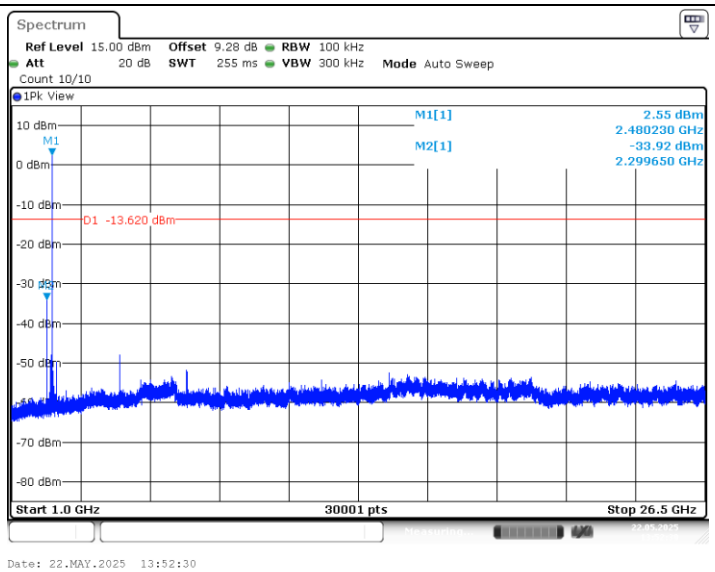
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference

BLE_2M_Ant1_2480_30~1000

BLE_2M_Ant1_2480_1000~26500


Spectrum
Ref Level 15.00 dBm Offset 9.28 dB RBW 100 kHz
Att 20 dB SWT 255 ms VBW 300 kHz Mode Auto Sweep
Count 10/10
1Pk View
M1[1] 2.55 dBm
2.480230 GHz
M2[1] -33.92 dBm
2.299650 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-70 dBm
-80 dBm
M1
D1 -13.620 dBm
Start 1.0 GHz
30001 pts
Stop 26.5 GHz
Date: 22.MAY.2025 13:52:30