

APPENDIX REPORT

Project No.	SHT2603025201W	Radio Specification	Bluetooth BLE
Test sample No.	YPHT26030252002	Model No.	U90B Max
Start test date	2026/5/19	Finish date	2026/5/19
Temperature	23.7℃	Humidity	56%
Test Engineer	Jiaxing Si	Auditor	Xiaodong Zhao

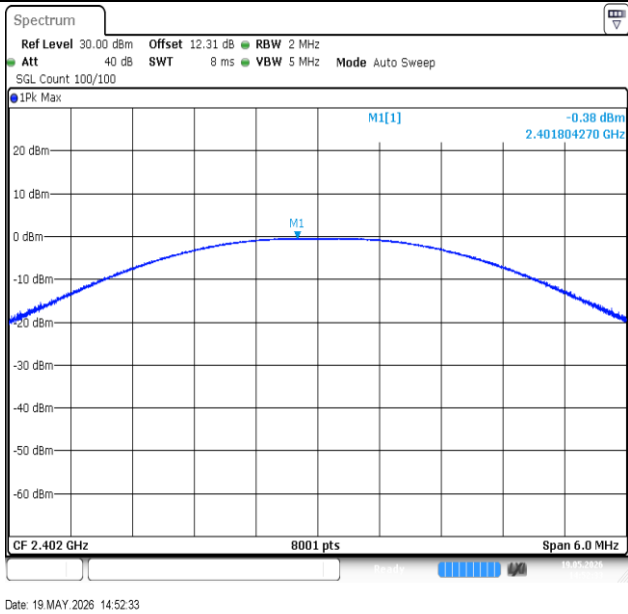
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6db Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Peak Output Power

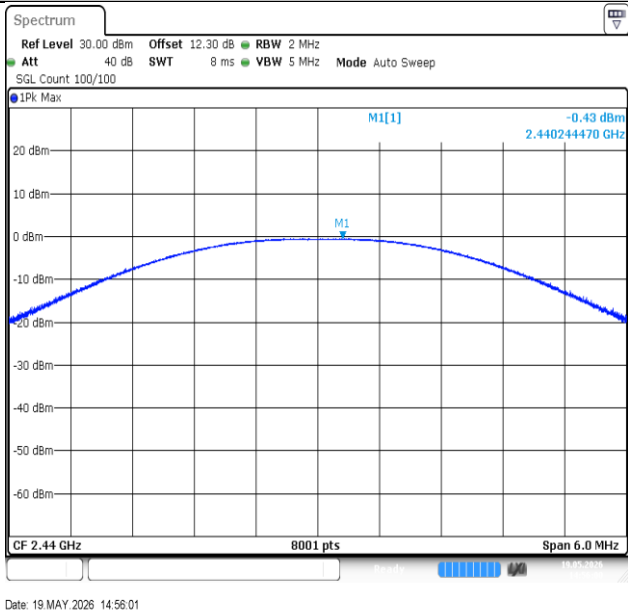
Test Result Peak

TestMode	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Average Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	2402	-0.38	-0.89	≤30	PASS
BLE_1M	2440	-0.43	-0.95	≤30	PASS
BLE_1M	2480	-0.98	-1.47	≤30	PASS
BLE_2M	2402	-0.38	-0.91	≤30	PASS
BLE_2M	2440	-0.54	-0.99	≤30	PASS
BLE_2M	2480	-1.07	-1.51	≤30	PASS

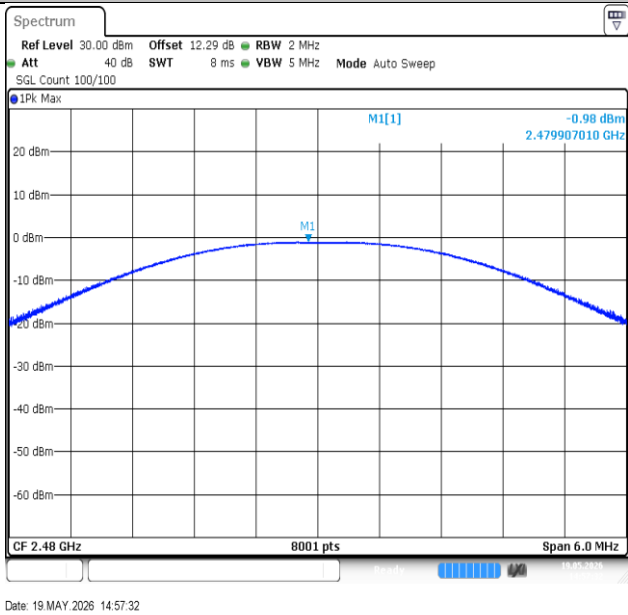
Test Graphs Peak



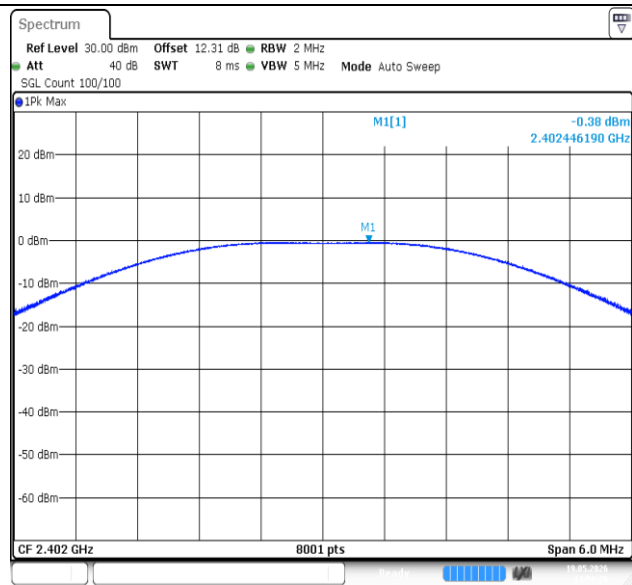
BLE_1M-2402-PASS



BLE_1M-2440-PASS

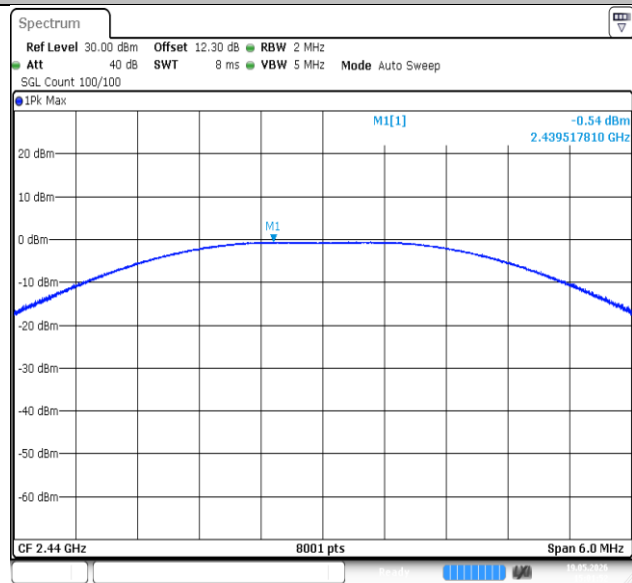


BLE_1M-2480-PASS



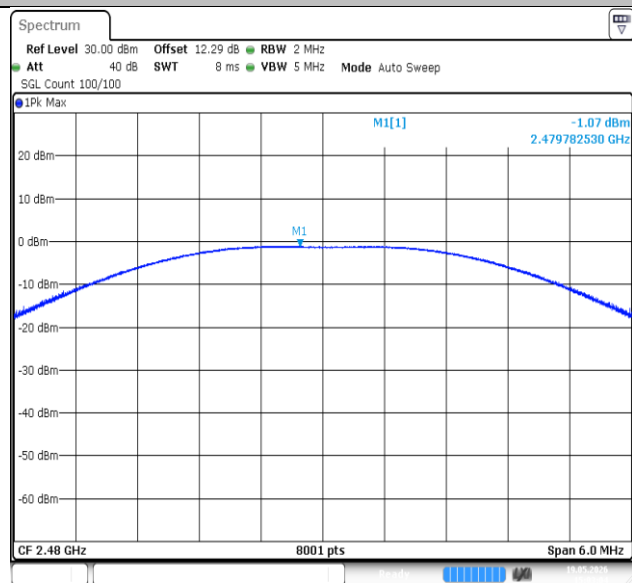
Date: 19 MAY 2026 14:59:27

BLE_2M-2402-PASS



Date: 19 MAY 2026 15:01:53

BLE_2M-2440-PASS



Date: 19 MAY 2026 15:03:04

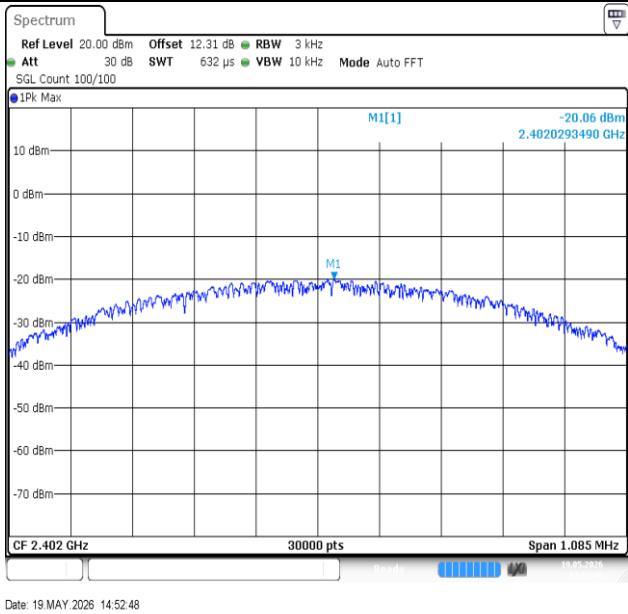
BLE_2M-2480-PASS

Appendix B: Power Spectral Density

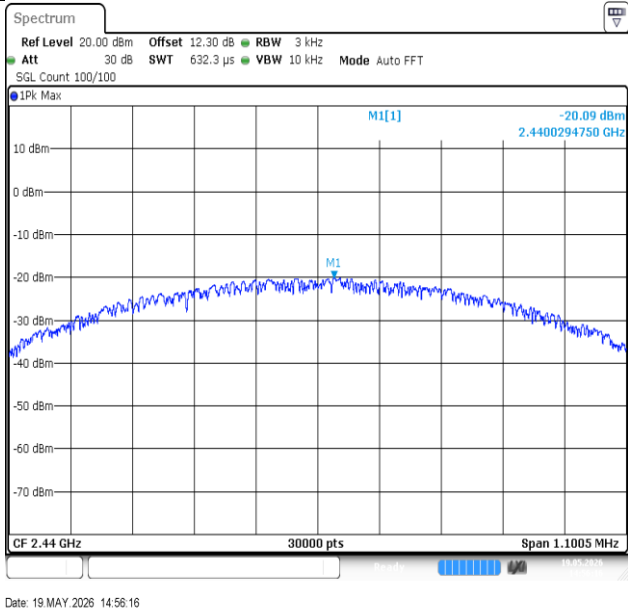
Test Result

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	2402	-20.06	≤8.00	PASS
BLE_1M	2440	-20.09	≤8.00	PASS
BLE_1M	2480	-20.75	≤8.00	PASS
BLE_2M	2402	-25.24	≤8.00	PASS
BLE_2M	2440	-25.32	≤8.00	PASS
BLE_2M	2480	-25.92	≤8.00	PASS

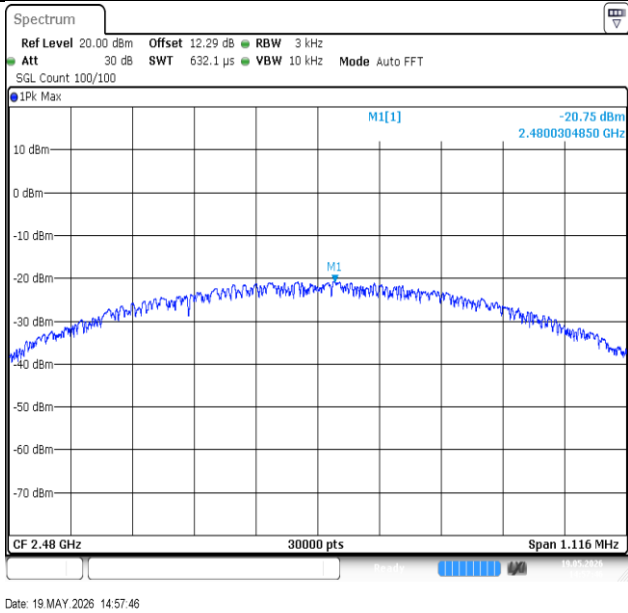
Test Graphs



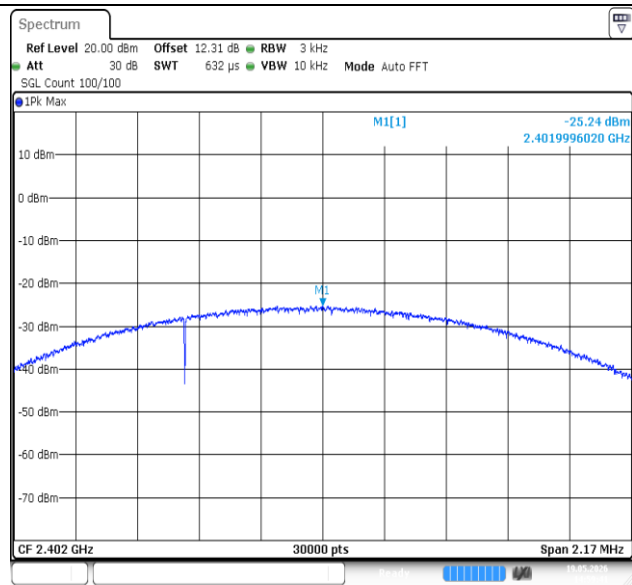
BLE_1M-2402-PASS



BLE_1M-2440-PASS

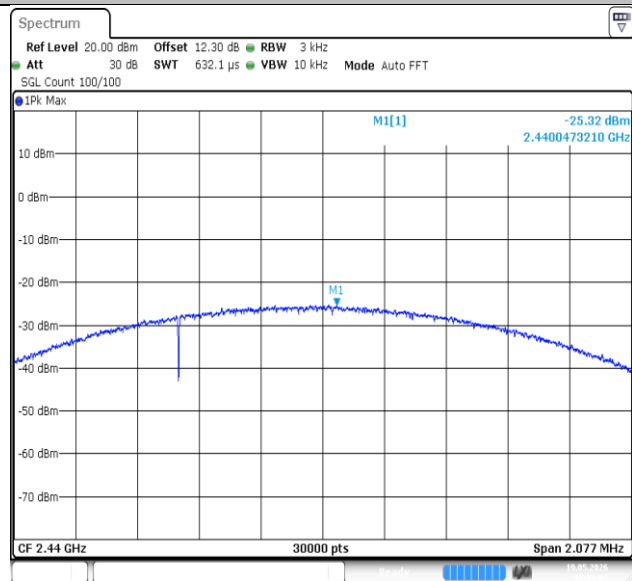


BLE_1M-2480-PASS



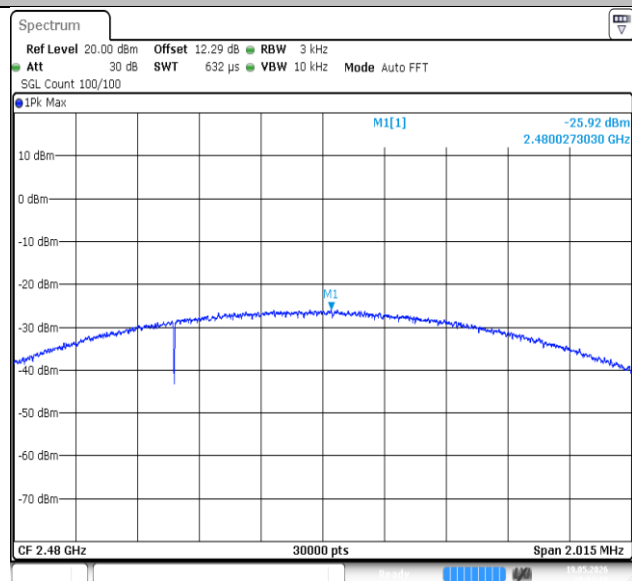
Date: 19 MAY 2026 14:59:41

BLE_2M-2402-PASS



Date: 19 MAY 2026 15:02:07

BLE_2M-2440-PASS



Date: 19 MAY 2026 15:03:18

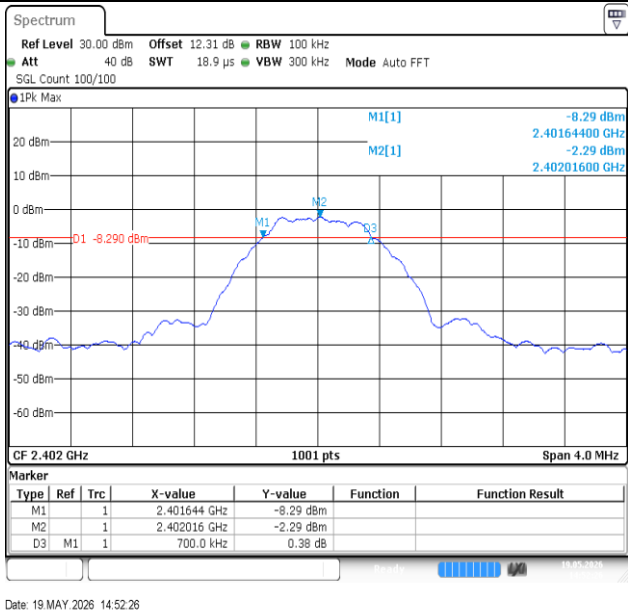
BLE_2M-2480-PASS

Appendix C: 6db Bandwidth

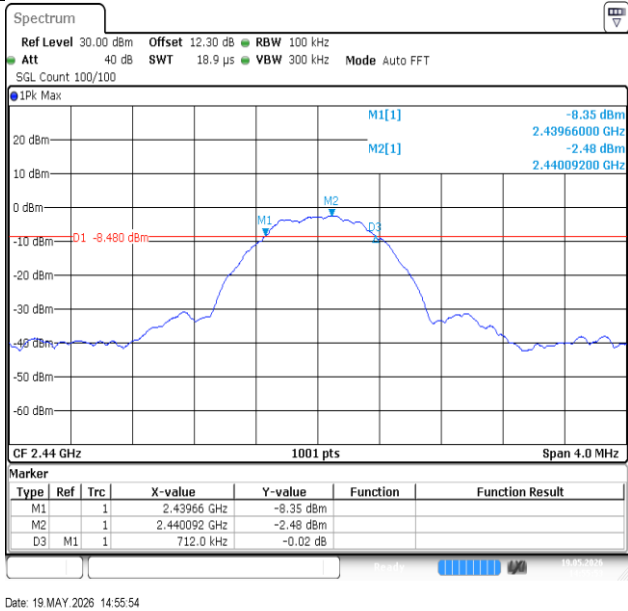
Test Result

TestMode	Frequency[MHz]	6db Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	0.70	0.5	PASS
BLE_1M	2440	0.71	0.5	PASS
BLE_1M	2480	0.72	0.5	PASS
BLE_2M	2402	1.40	0.5	PASS
BLE_2M	2440	1.34	0.5	PASS
BLE_2M	2480	1.30	0.5	PASS

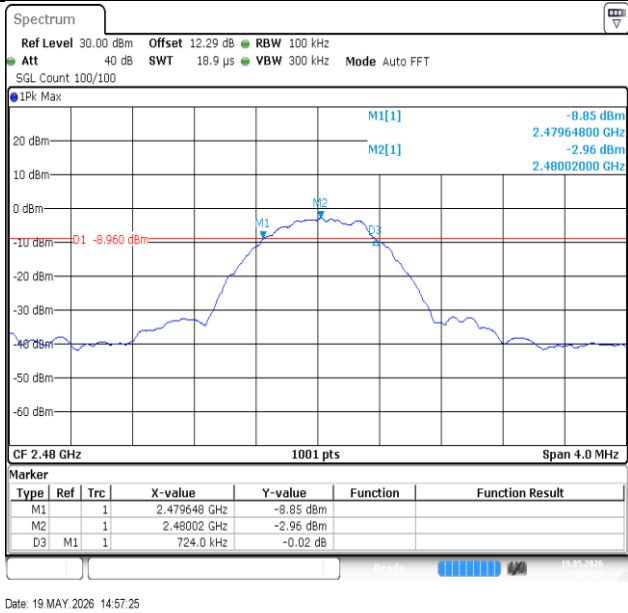
Test Graphs



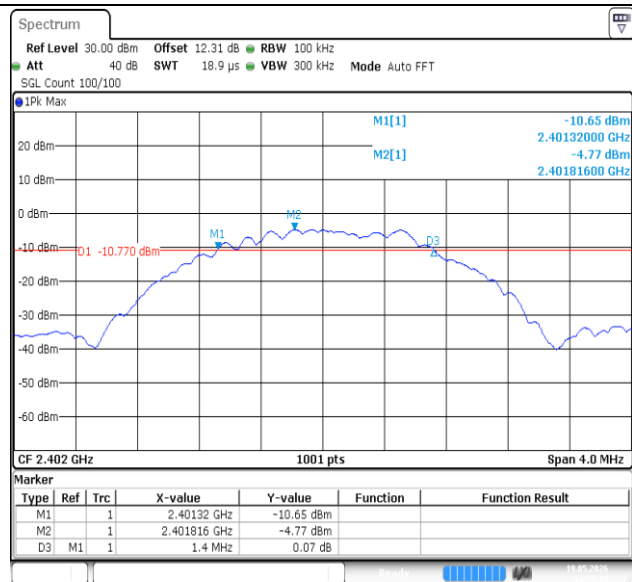
BLE_1M-2402-PASS



BLE_1M-2440-PASS

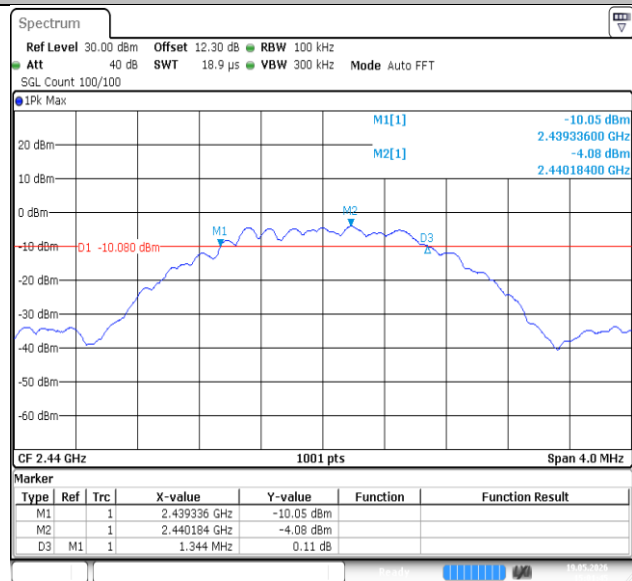


BLE_1M-2480-PASS



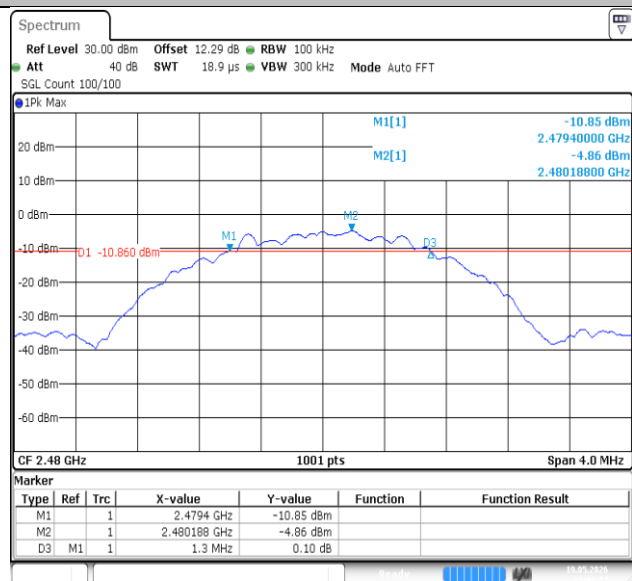
Date: 19 MAY 2026 14:59:20

BLE_2M-2402-PASS



Date: 19 MAY 2026 15:01:46

BLE_2M-2440-PASS



Date: 19 MAY 2026 15:02:57

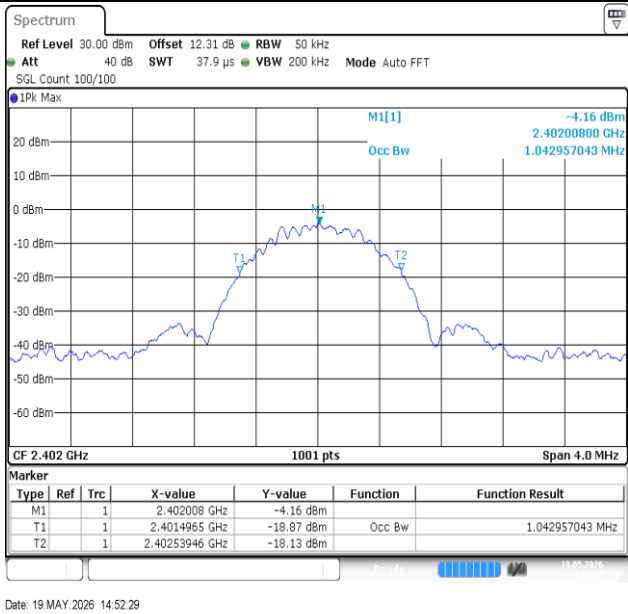
BLE_2M-2480-PASS

Appendix D: 99% Occupied Bandwidth

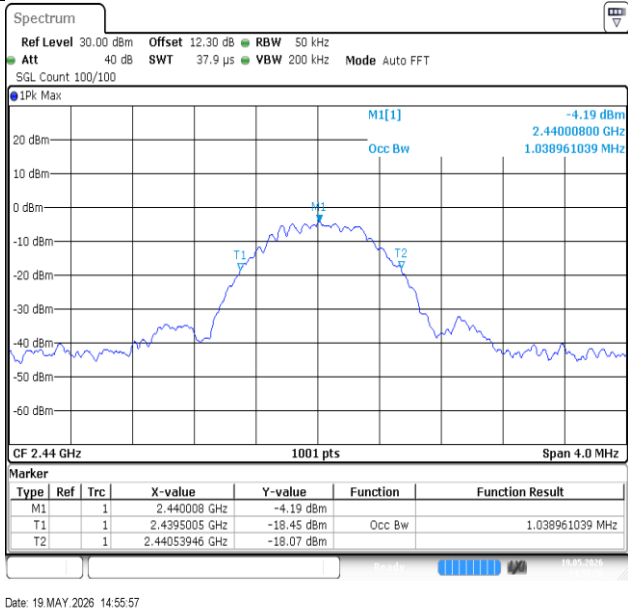
Test Result

TestMode	Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	1.0430	---	---
BLE_1M	2440	1.0390	---	---
BLE_1M	2480	1.0549	---	---
BLE_2M	2402	2.0659	---	---
BLE_2M	2440	2.0819	---	---
BLE_2M	2480	2.0659	---	---

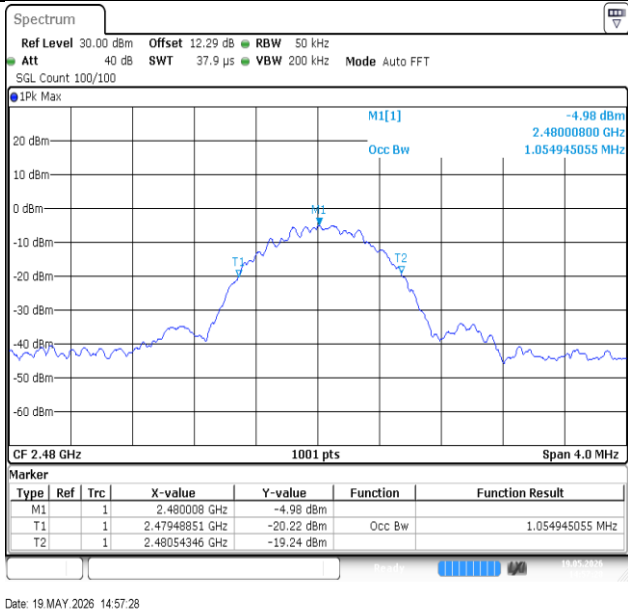
Test Graphs



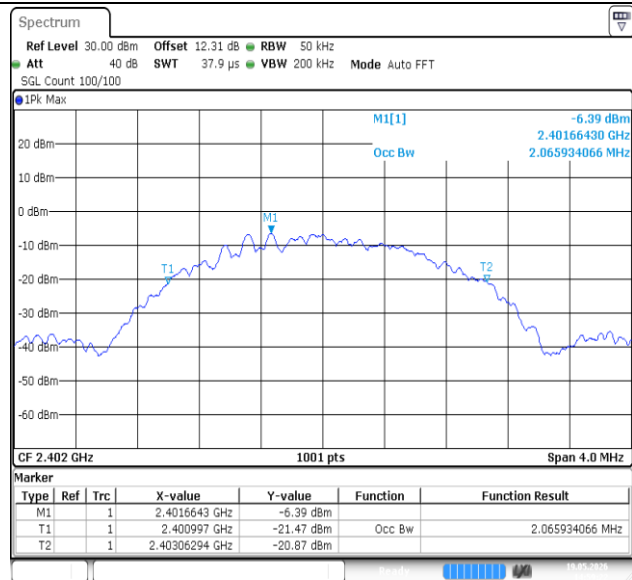
BLE_1M-2402



BLE_1M-2440

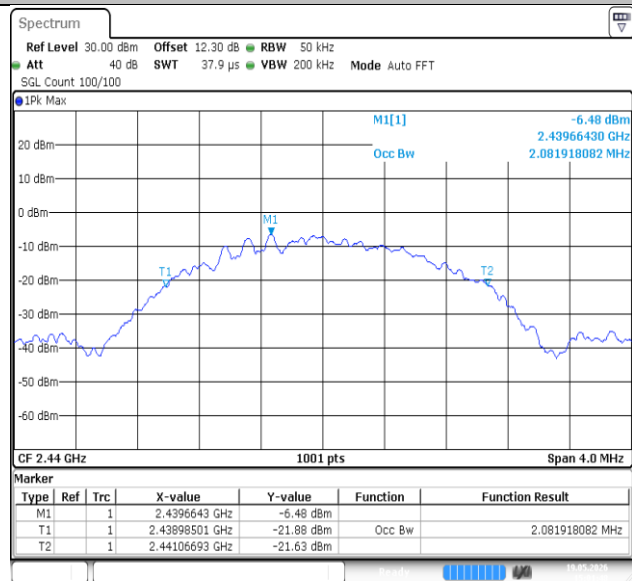


BLE_1M-2480



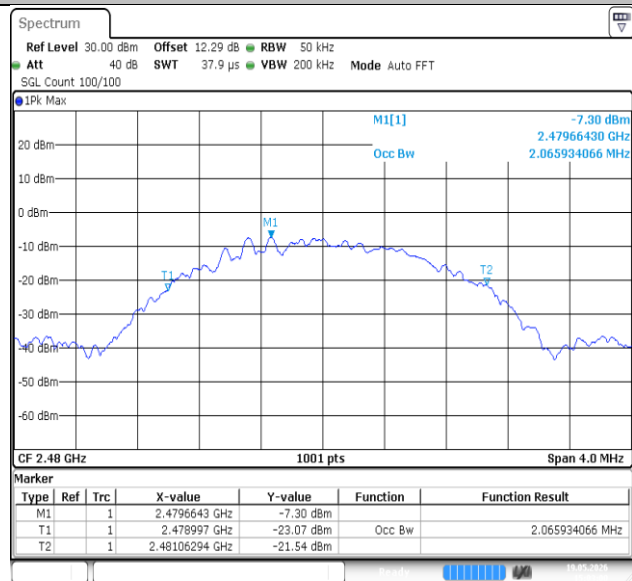
Date: 19 MAY 2026 14:59:23

BLE_2M-2402



Date: 19 MAY 2026 15:01:49

BLE_2M-2440



Date: 19 MAY 2026 15:03:00

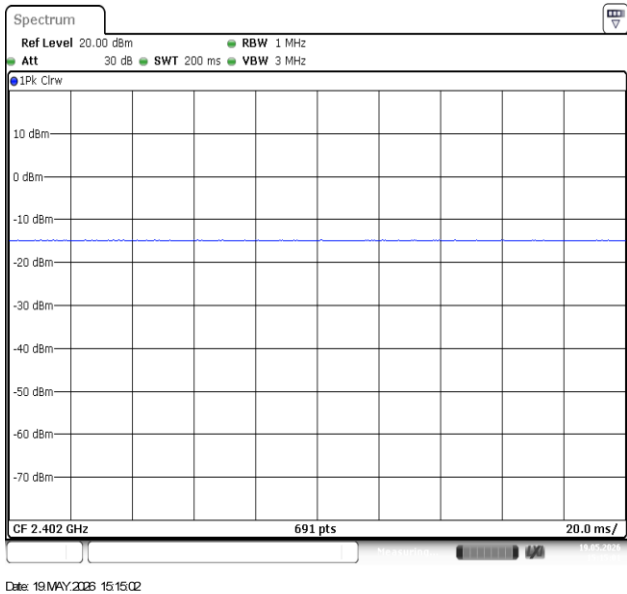
BLE_2M-2480

Appendix E: Duty Cycle

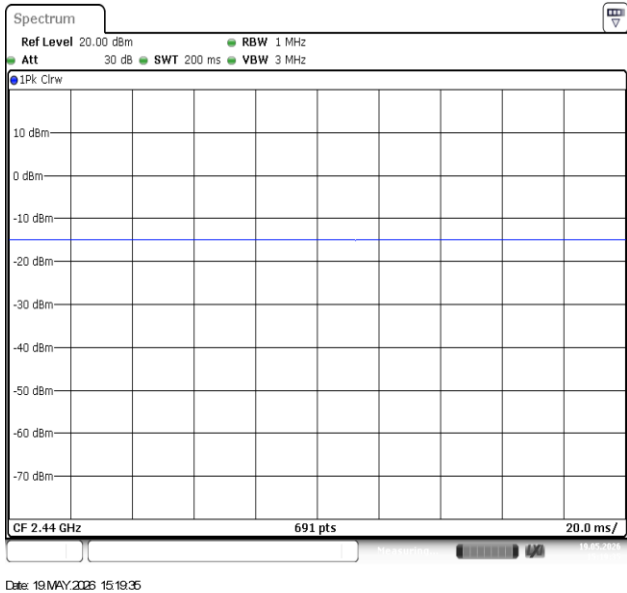
Test Result

TestMode	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/Ton time(kHz)
BLE_1M	2402	1.00	1.00	100	0.00	1
BLE_1M	2440	1.00	1.00	100	0.00	1
BLE_1M	2480	1.00	1.00	100	0.00	1
BLE_2M	2402	1.00	1.00	100	0.00	1
BLE_2M	2440	1.00	1.00	100	0.00	1
BLE_2M	2480	1.00	1.00	100	0.00	1

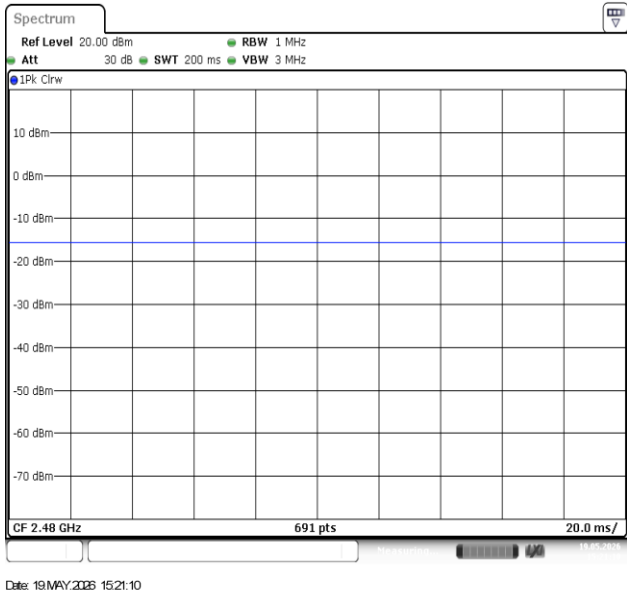
Test Graphs



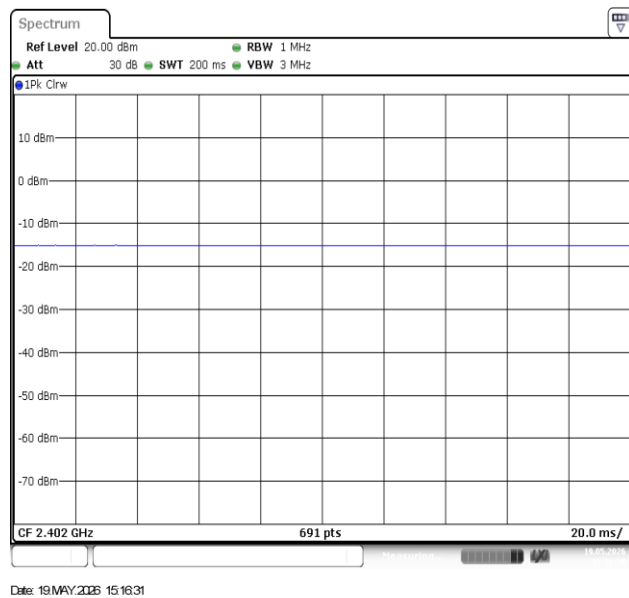
BLE_1M-2402



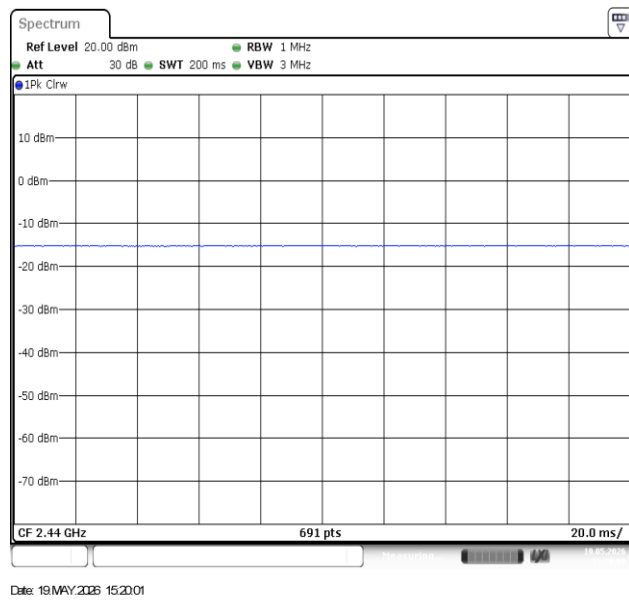
BLE_1M-2440



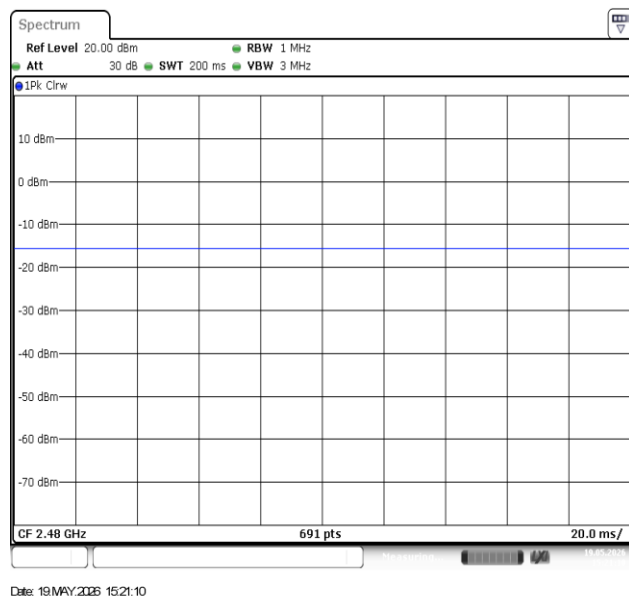
BLE_1M-2480



BLE_2M-2402



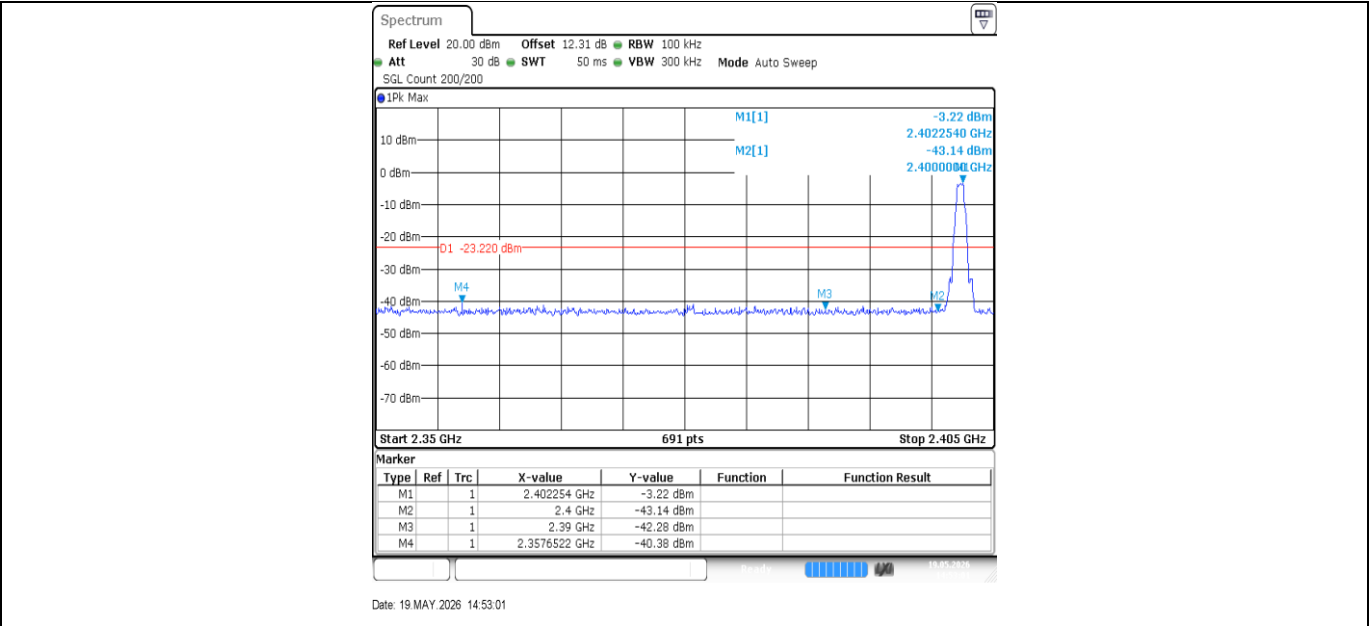
BLE_2M-2440



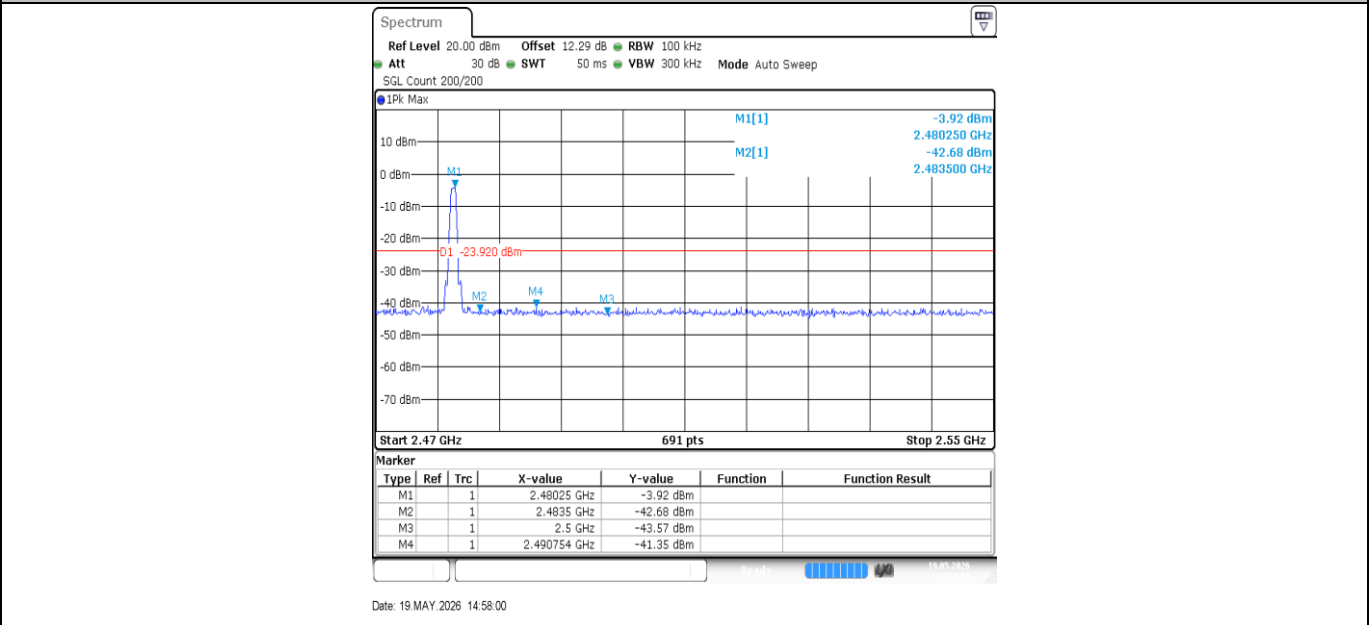
BLE_2M-2480

Appendix F: Band edge and Spurious Emission(Conducted)

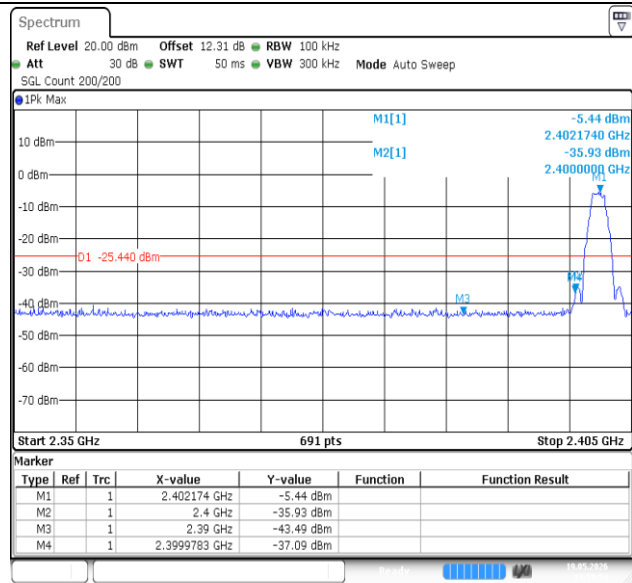
Test Graphs



BLE_1M-2402-PASS

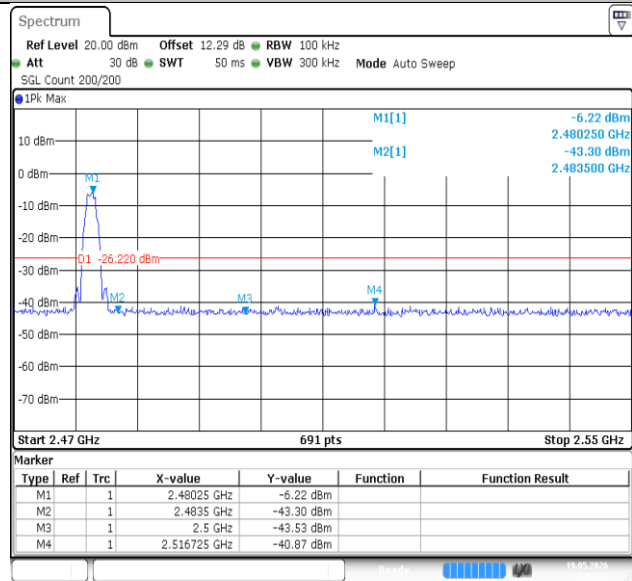


BLE_1M-2480-PASS



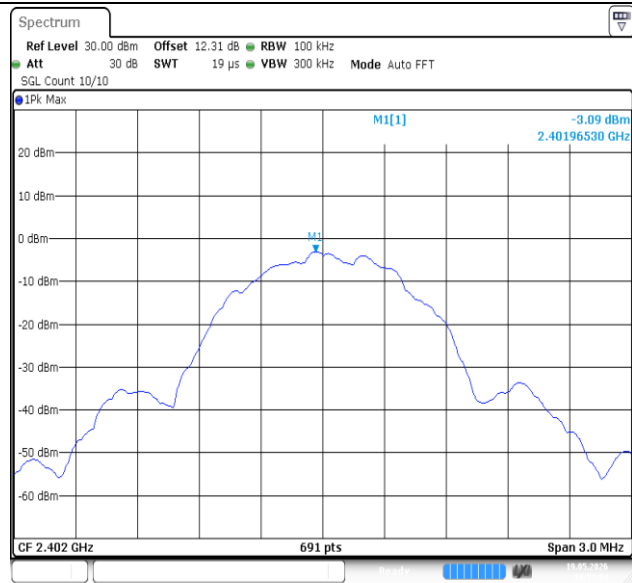
Date: 19 MAY 2026 14:59:54

BLE_2M-2402-PASS



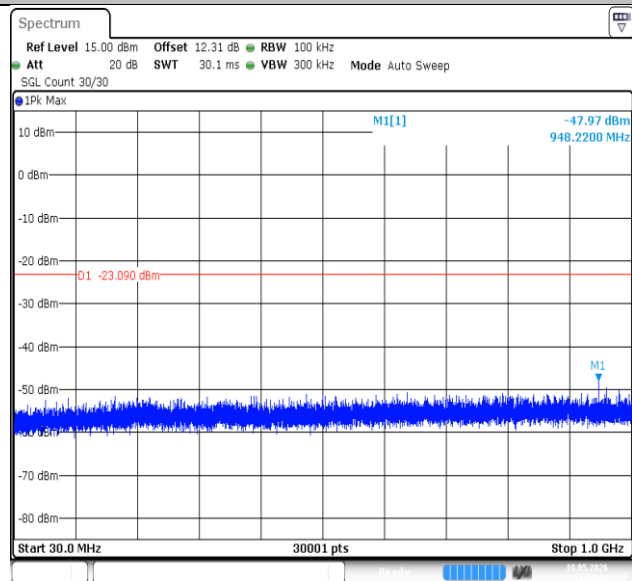
Date: 19 MAY 2026 15:03:32

BLE_2M-2480-PASS



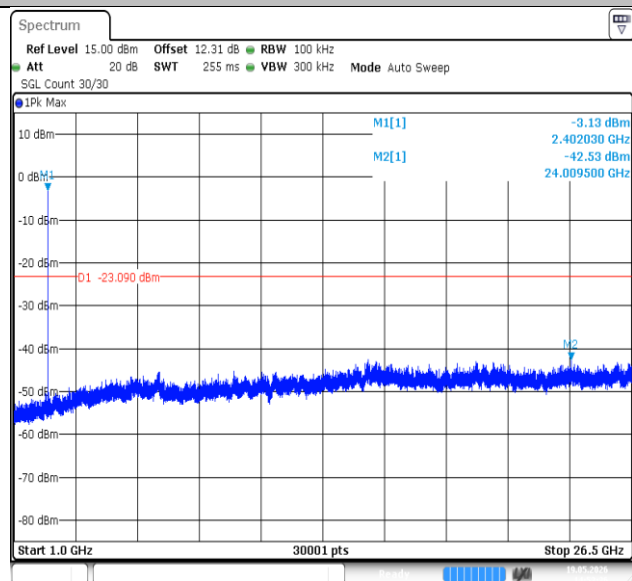
Date: 19 MAY 2026 14:53:04

BLE_1M-2402-0~Reference-PASS



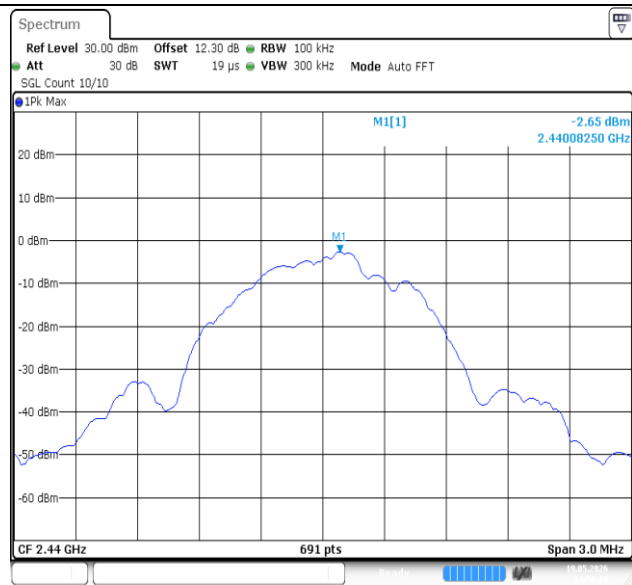
Date: 19 MAY 2026 14:53:10

BLE_1M-2402-30~1000-PASS



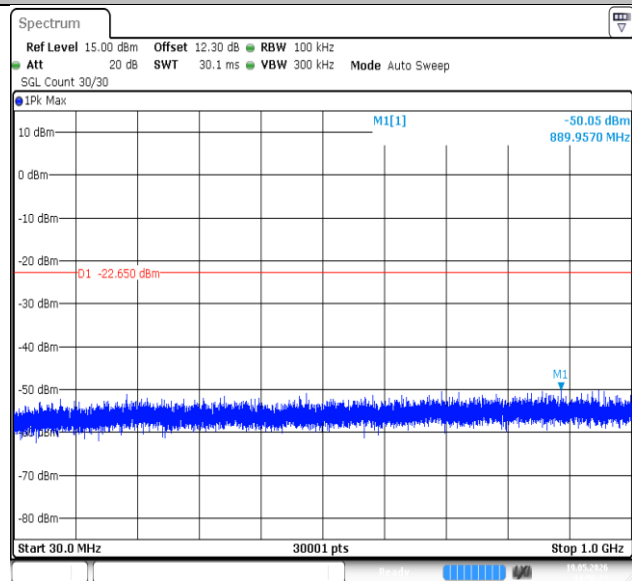
Date: 19 MAY 2026 14:53:37

BLE_1M-2402-1000~26500-PASS



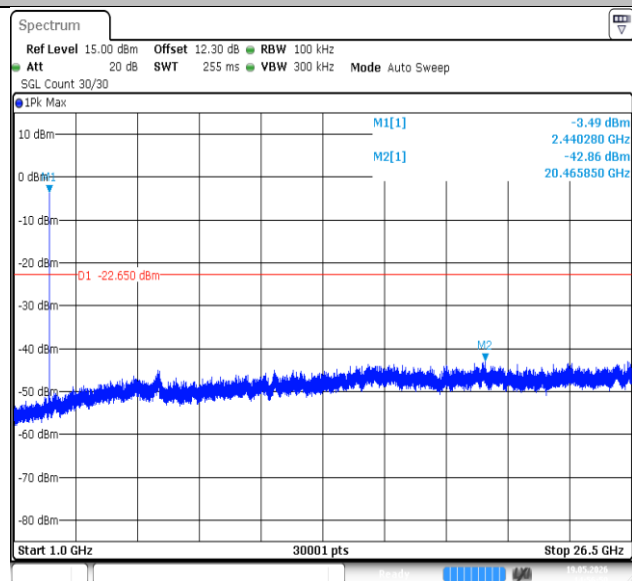
Date: 19 MAY 2026 14:56:18

BLE_1M-2440-0~Reference-PASS



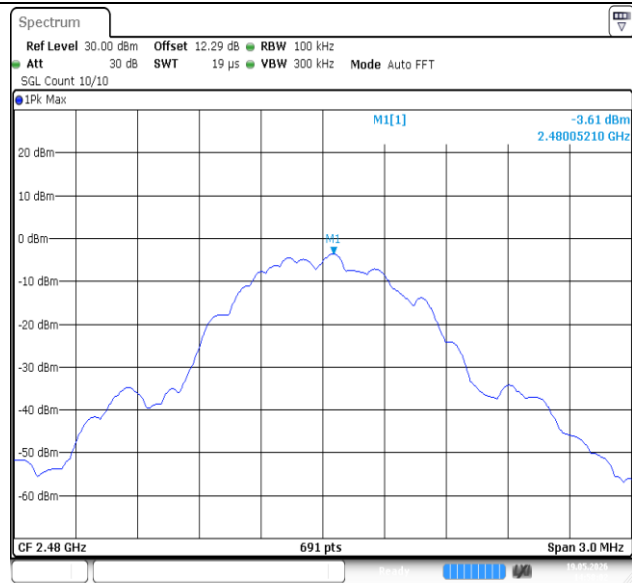
Date: 19 MAY 2026 14:56:23

BLE_1M-2440-30~1000-PASS



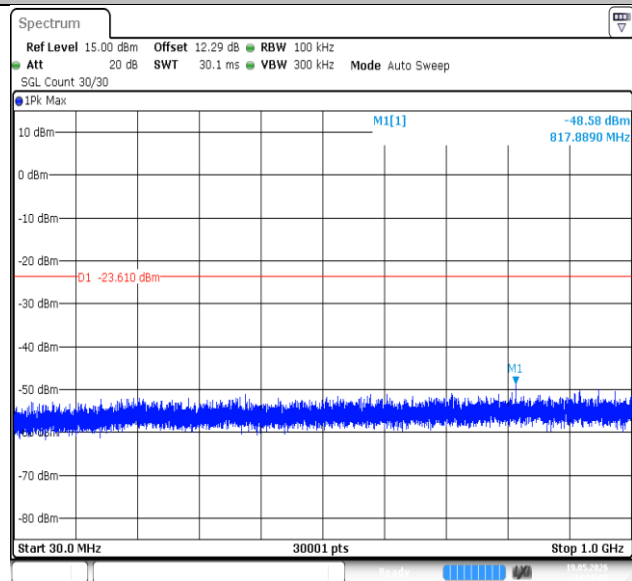
Date: 19 MAY 2026 14:56:51

BLE_1M-2440-1000~26500-PASS



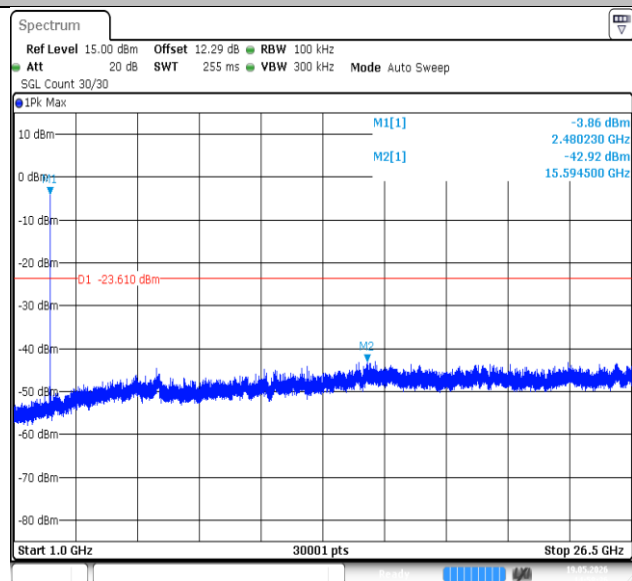
Date: 19 MAY 2026 14:58:03

BLE_1M-2480-0~Reference-PASS



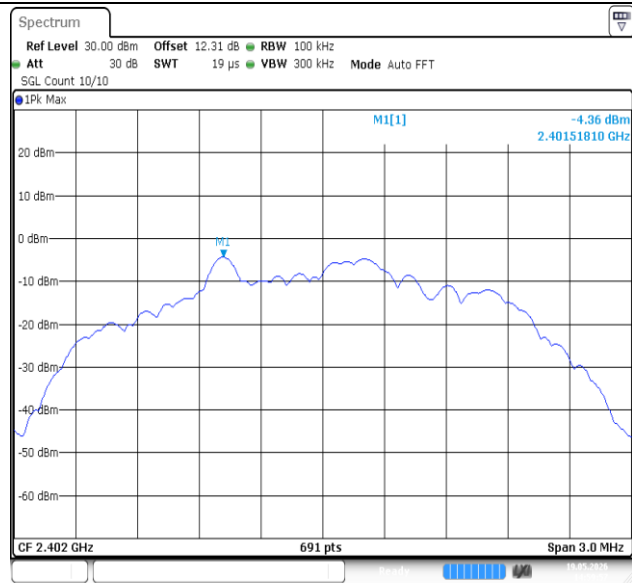
Date: 19 MAY 2026 14:58:08

BLE_1M-2480-30~1000-PASS



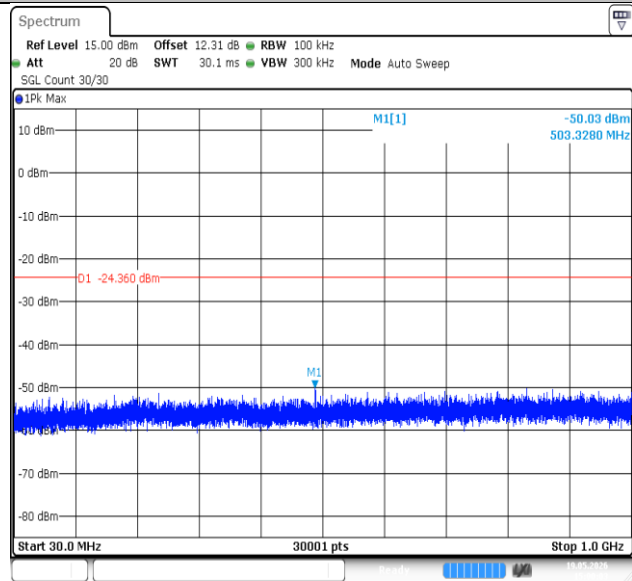
Date: 19 MAY 2026 14:58:36

BLE_1M-2480-1000~26500-PASS



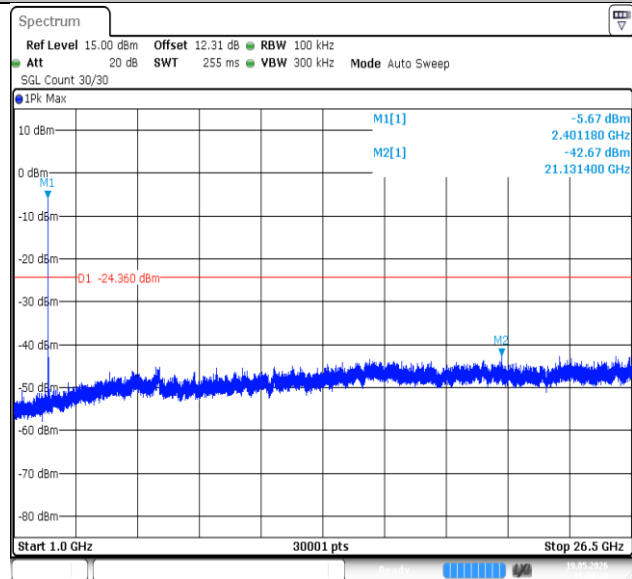
Date: 19 MAY 2026 14:59:57

BLE_2M-2402-0~Reference-PASS



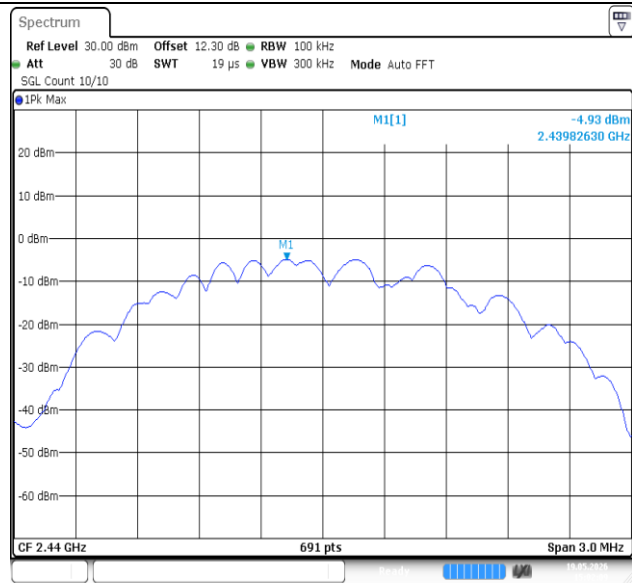
Date: 19 MAY 2026 15:00:03

BLE_2M-2402-30~1000-PASS



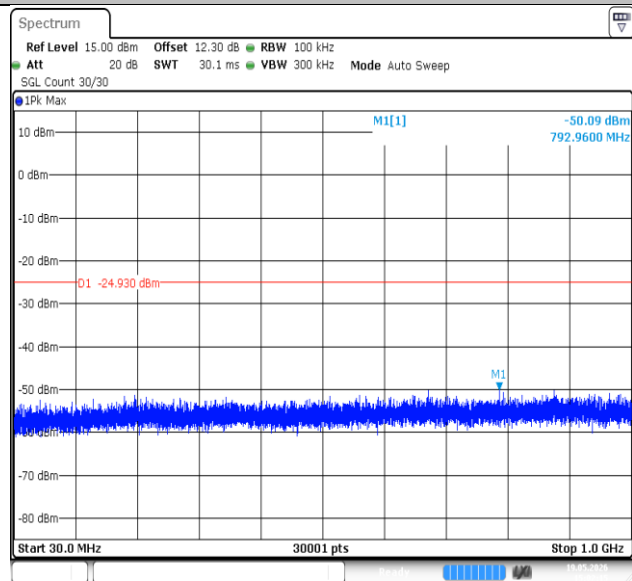
Date: 19 MAY 2026 15:00:30

BLE_2M-2402-1000~26500-PASS



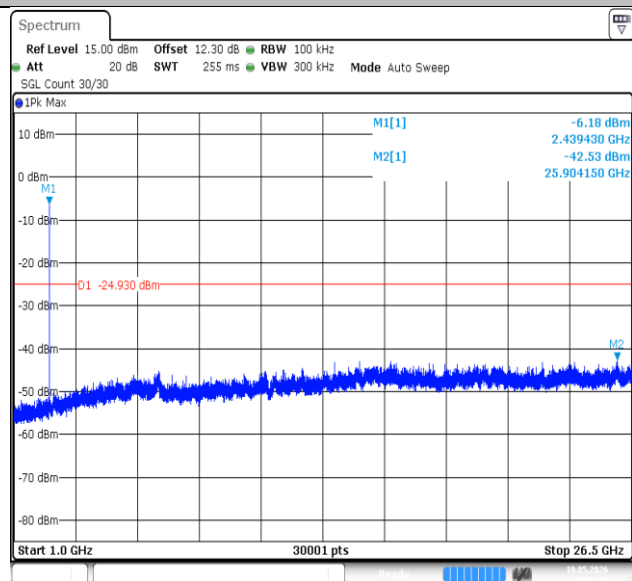
Date: 19 MAY 2026 15:02:09

BLE_2M-2440-0~Reference-PASS



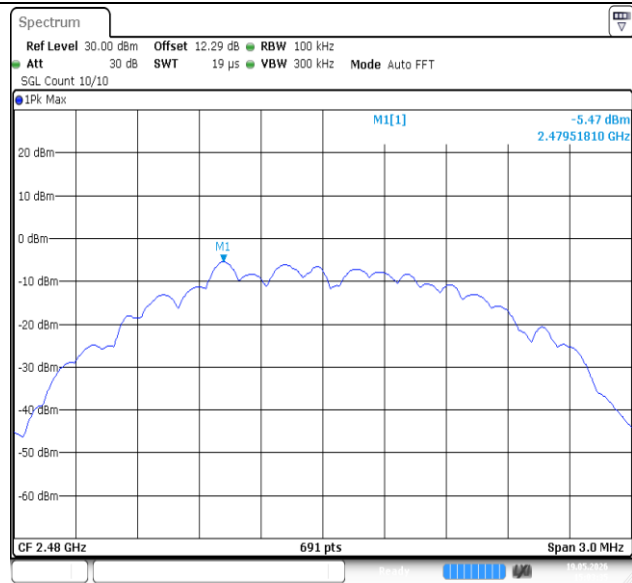
Date: 19 MAY 2026 15:02:15

BLE_2M-2440-30~1000-PASS



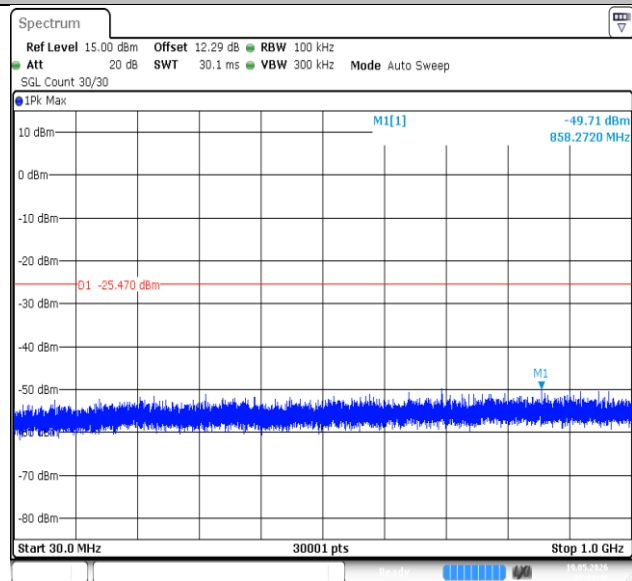
Date: 19 MAY 2026 15:02:42

BLE_2M-2440-1000~26500-PASS



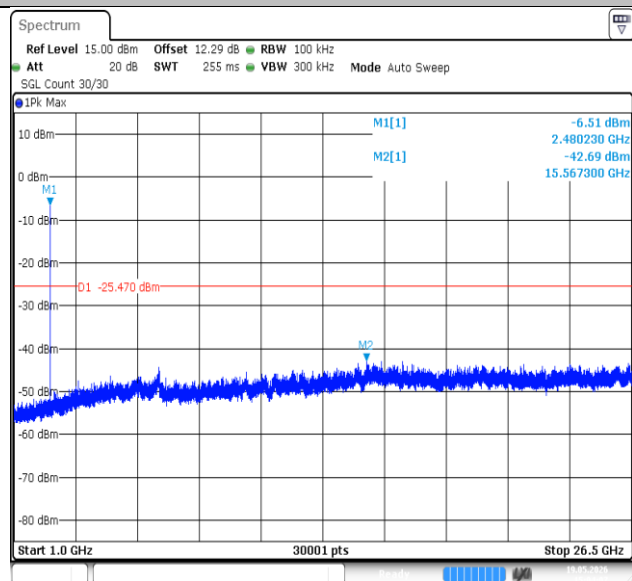
Date: 19 MAY 2026 15:03:35

BLE_2M-2480-0~Reference-PASS



Date: 19 MAY 2026 15:03:40

BLE_2M-2480-30~1000-PASS



Date: 19 MAY 2026 15:04:08

BLE_2M-2480-1000~26500-PASS

-----End of Report-----