

APPENDIX REPORT

Project No.	SHT2605006501W	Radio Specification	Bluetooth BLE
Test sample No.	YPHT26050065001	Model No.	BL90NW
Start test date	2026/5/20	Finish date	2026/5/20
Temperature	23.4℃	Humidity	59%
Test Engineer	Jiaxing Si	Auditor	Xiaodong Zhao

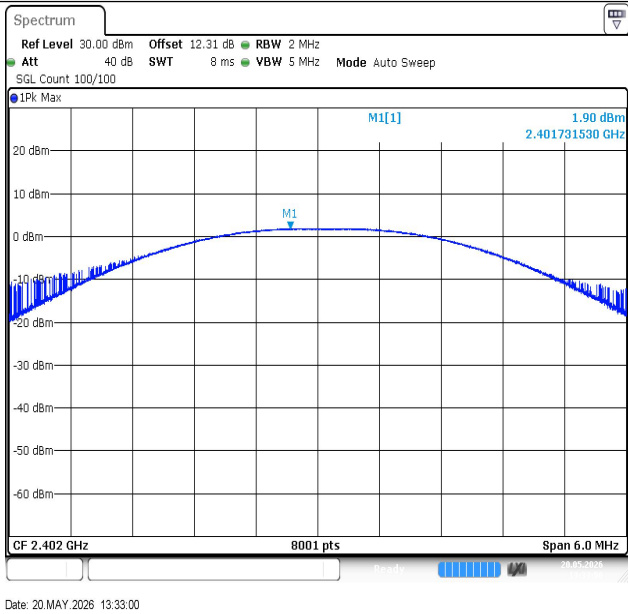
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6db Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Peak Output Power

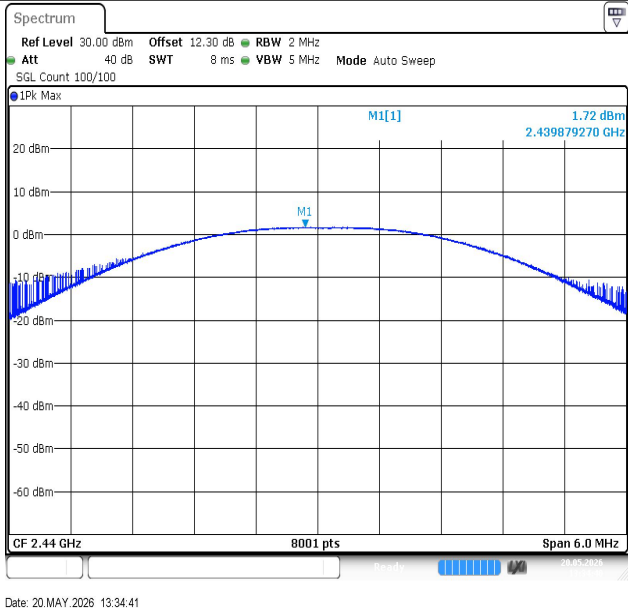
Test Result Peak

TestMode	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Average Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	2402	1.90	1.55	≤30	PASS
BLE_1M	2440	1.72	1.41	≤30	PASS
BLE_1M	2480	1.75	1.48	≤30	PASS
BLE_2M	2402	2.05	1.55	≤30	PASS
BLE_2M	2440	1.81	1.42	≤30	PASS
BLE_2M	2480	1.77	1.47	≤30	PASS

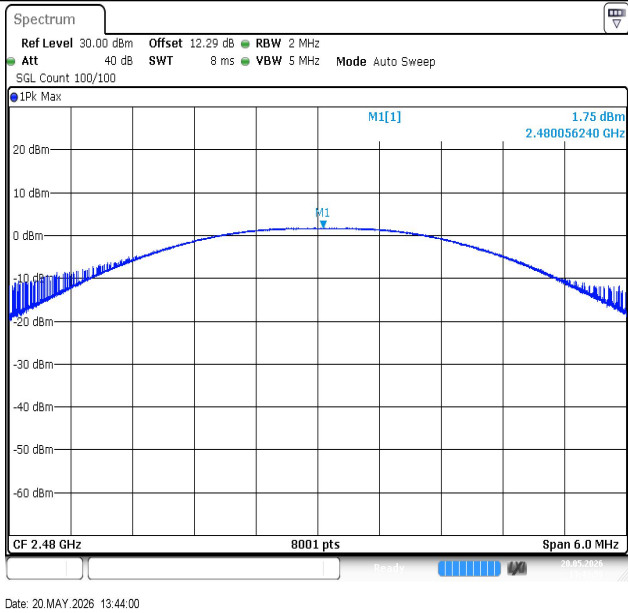
Test Graphs Peak



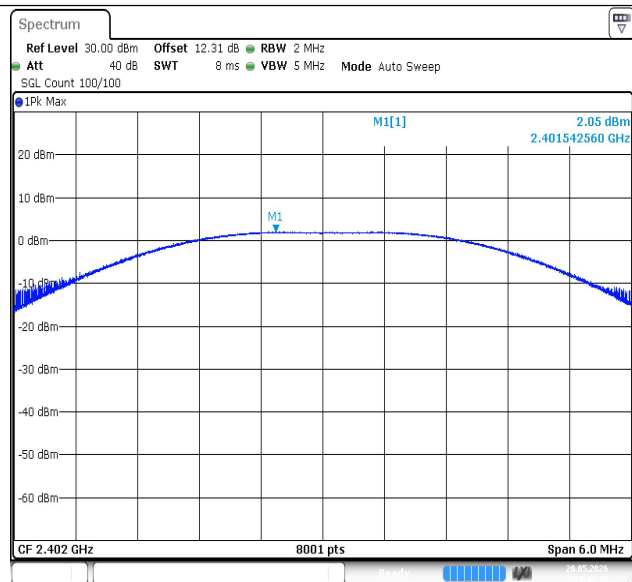
BLE_1M-2402-PASS



BLE_1M-2440-PASS

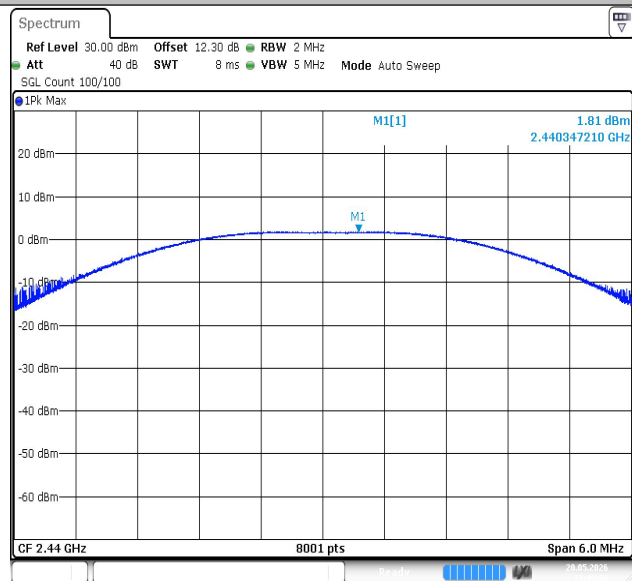


BLE_1M-2480-PASS



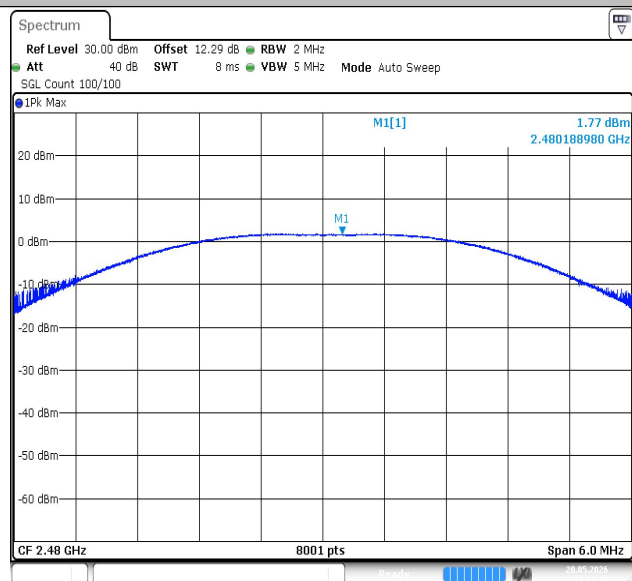
Date: 20 MAY 2026 13:46:48

BLE_2M-2402-PASS



Date: 20 MAY 2026 13:49:56

BLE_2M-2440-PASS



Date: 20 MAY 2026 13:51:39

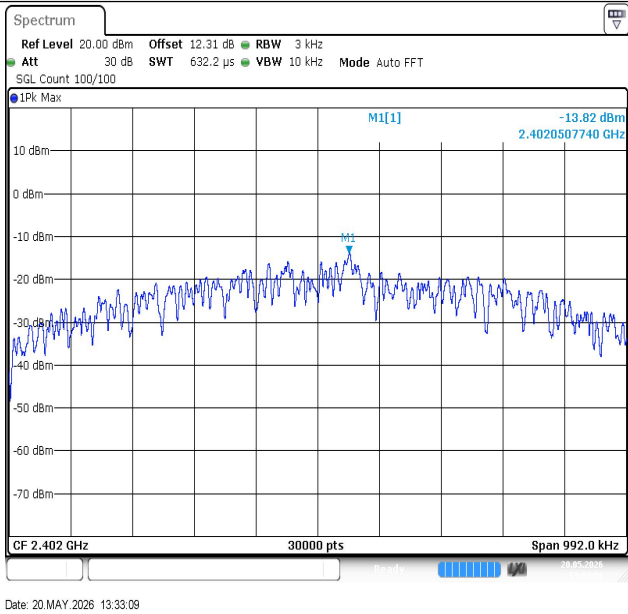
BLE_2M-2480-PASS

Appendix B: Power Spectral Density

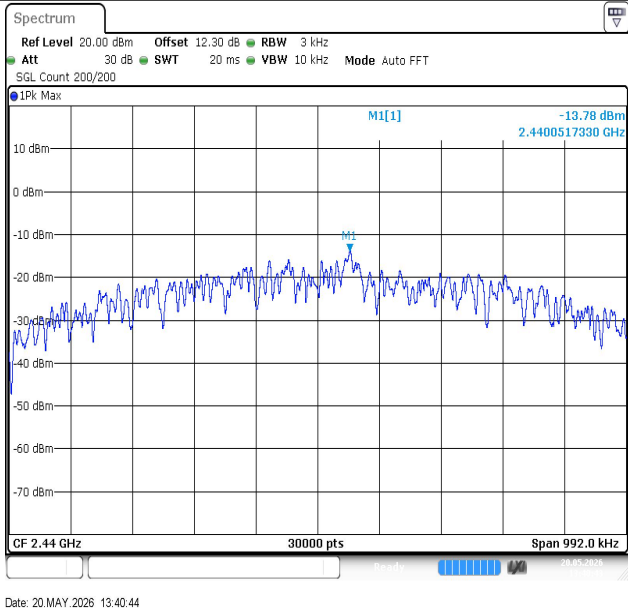
Test Result

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	2402	-13.82	≤8.00	PASS
BLE_1M	2440	-13.78	≤8.00	PASS
BLE_1M	2480	-13.97	≤8.00	PASS
BLE_2M	2402	-15.91	≤8.00	PASS
BLE_2M	2440	-16.19	≤8.00	PASS
BLE_2M	2480	-16.21	≤8.00	PASS

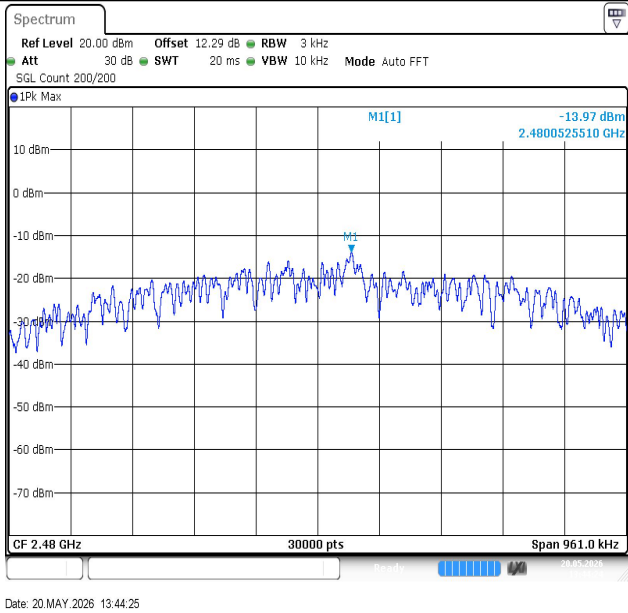
Test Graphs



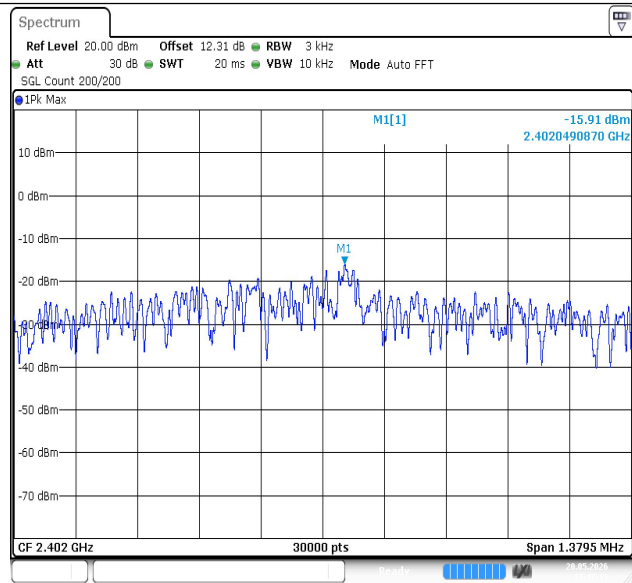
BLE_1M-2402-PASS



BLE_1M-2440-PASS

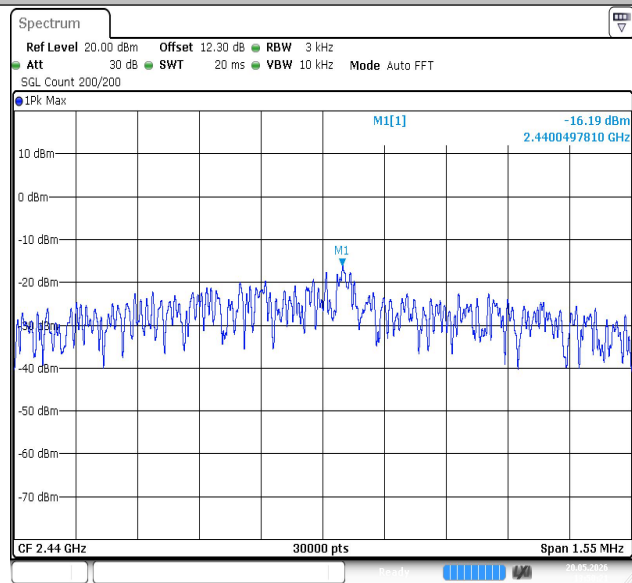


BLE_1M-2480-PASS



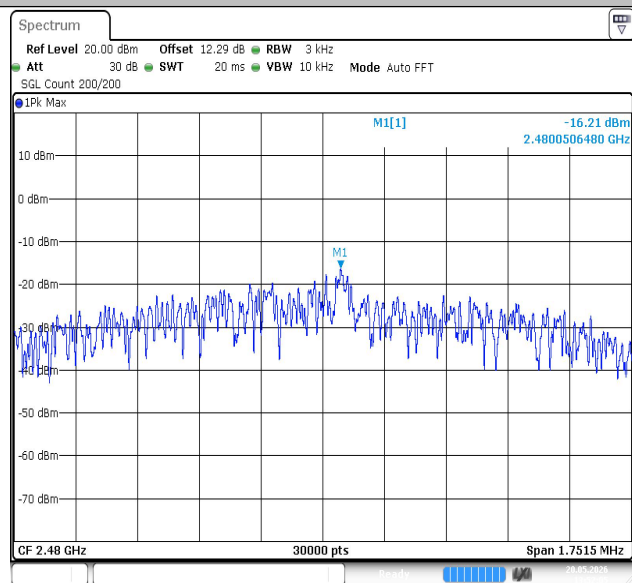
Date: 20 MAY 2026 13:47:13

BLE_2M-2402-PASS



Date: 20 MAY 2026 13:50:21

BLE_2M-2440-PASS



Date: 20 MAY 2026 13:52:05

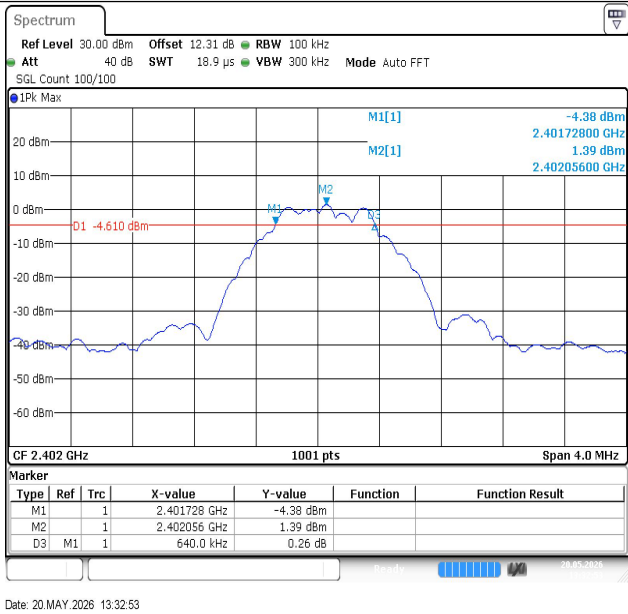
BLE_2M-2480-PASS

Appendix C: 6db Bandwidth

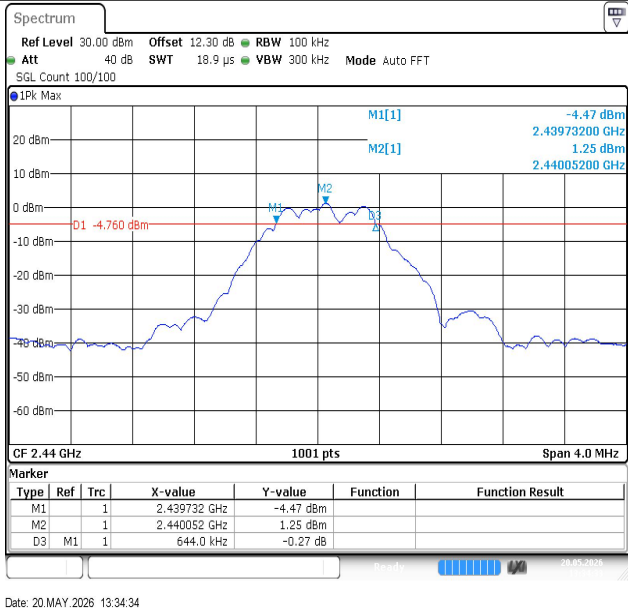
Test Result

TestMode	Frequency[MHz]	6db Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	0.64	0.5	PASS
BLE_1M	2440	0.64	0.5	PASS
BLE_1M	2480	0.62	0.5	PASS
BLE_2M	2402	1.12	0.5	PASS
BLE_2M	2440	1.12	0.5	PASS
BLE_2M	2480	1.13	0.5	PASS

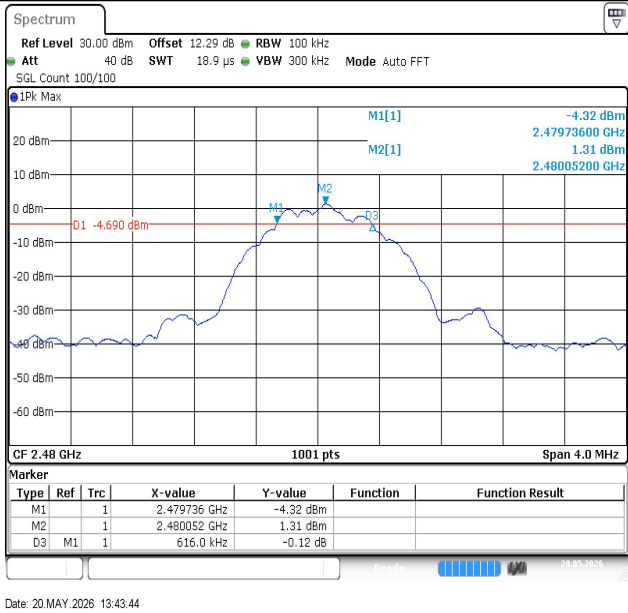
Test Graphs



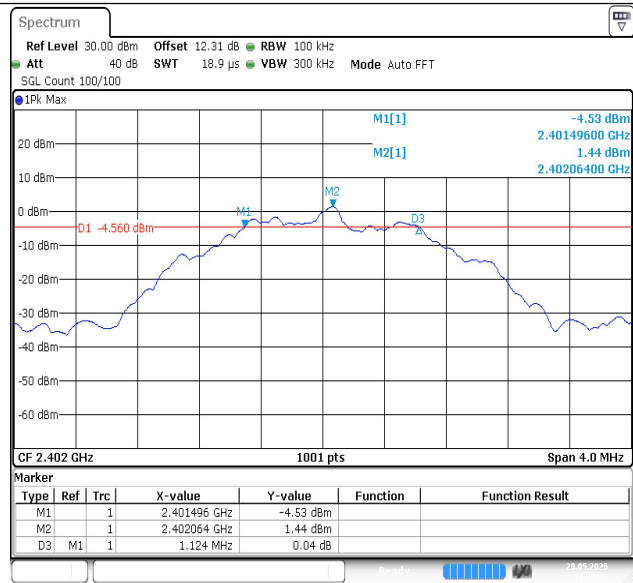
BLE_1M-2402-PASS



BLE_1M-2440-PASS

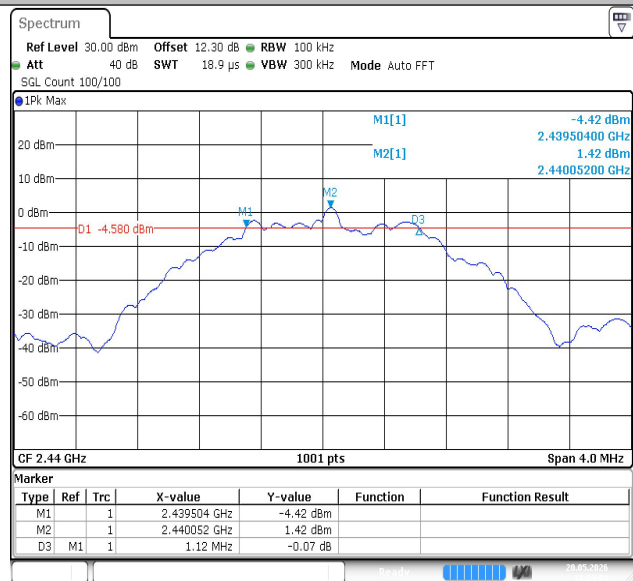


BLE_1M-2480-PASS



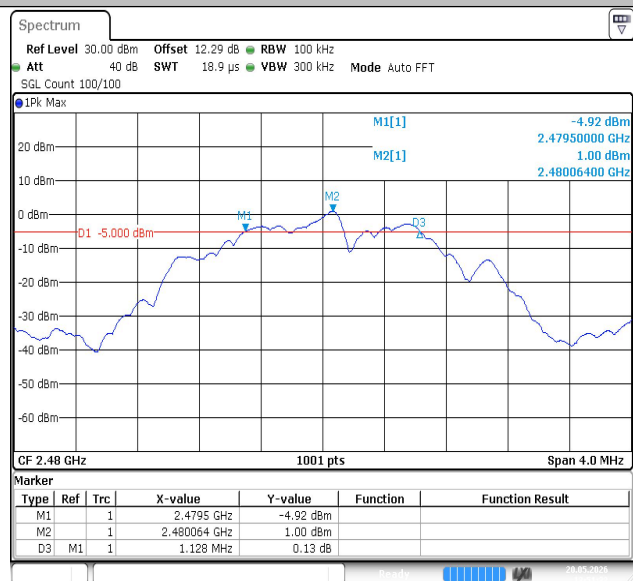
Date: 20 MAY 2026 14:02:43

BLE_2M-2402-PASS



Date: 20 MAY 2026 14:03:04

BLE_2M-2440-PASS



Date: 20 MAY 2026 13:51:33

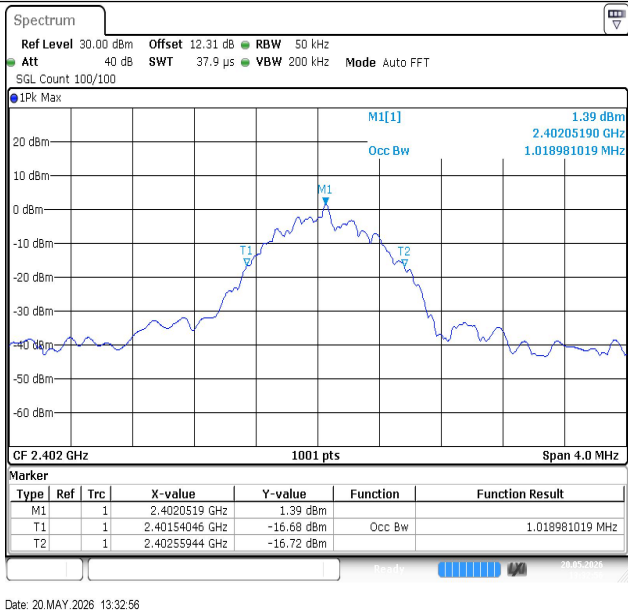
BLE_2M-2480-PASS

Appendix D: 99% Occupied Bandwidth

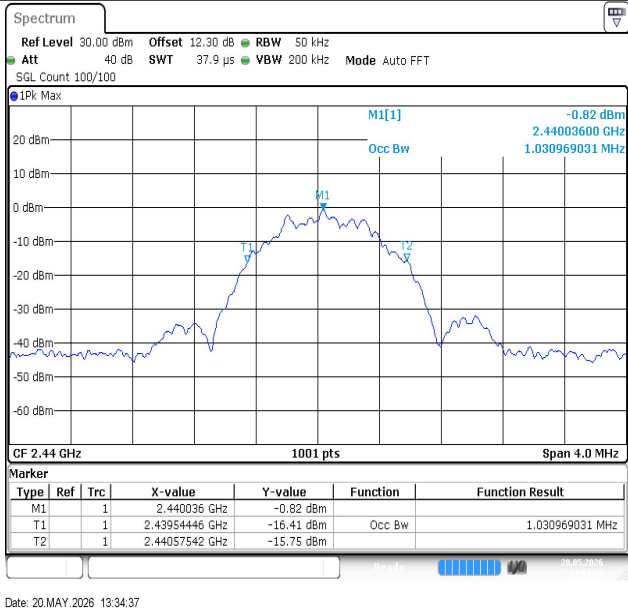
Test Result

TestMode	Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	1.0190	---	---
BLE_1M	2440	1.0310	---	---
BLE_1M	2480	0.98701	---	---
BLE_2M	2402	1.9940	---	---
BLE_2M	2440	2.0340	---	---
BLE_2M	2480	1.9940	---	---

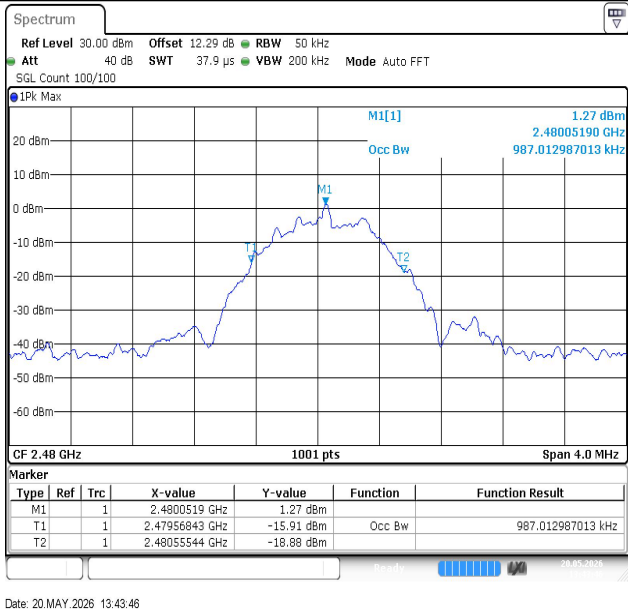
Test Graphs



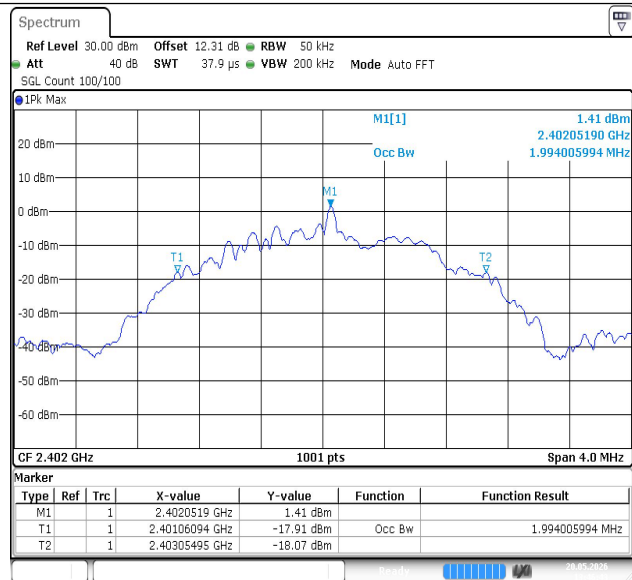
BLE_1M-2402



BLE_1M-2440

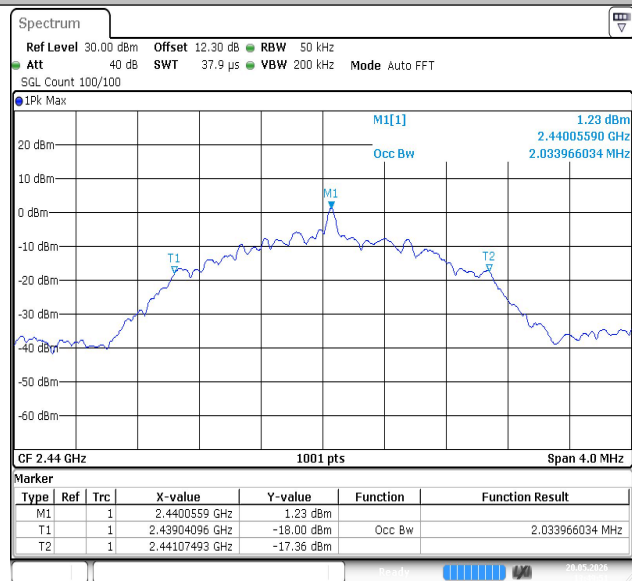


BLE_1M-2480



Date: 20 MAY 2026 13:46:44

BLE_2M-2402



Date: 20 MAY 2026 13:49:52

BLE_2M-2440



Date: 20 MAY 2026 13:51:35

BLE_2M-2480