

APPENDIX REPORT

Project No.	SHT2603008301W	Radio Specification	Bluetooth BLE
Test sample No.	YPHT25060163001	Model No.	AG-01
Start test date	2026-03-05	Finish date	2026-03-20
Temperature	21.9℃	Humidity	55%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

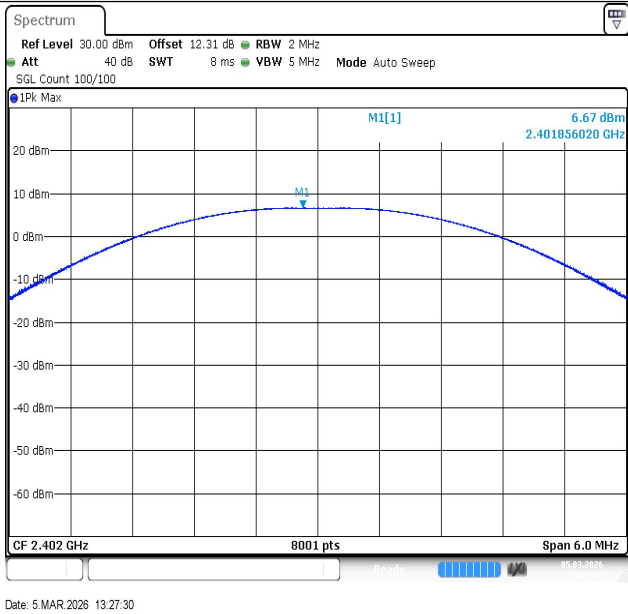
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6db Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Peak Output Power

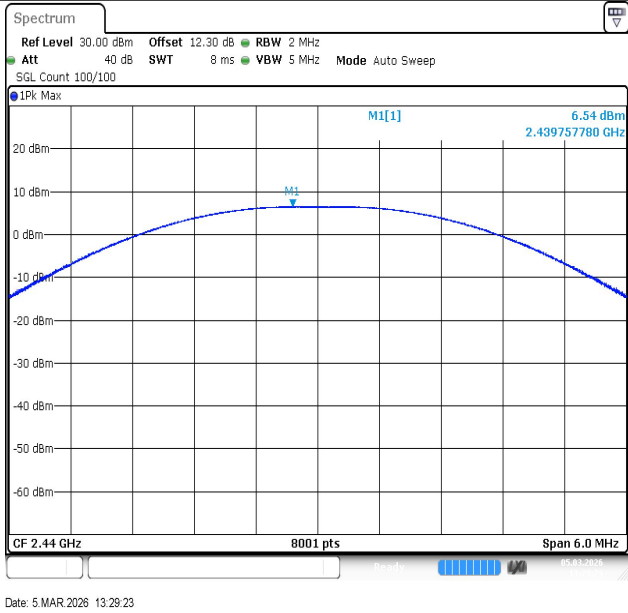
Test Result Peak

TestMode	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	2402	6.67	≤30	PASS
BLE_1M	2440	6.54	≤30	PASS
BLE_1M	2480	6.41	≤30	PASS
BLE_2M	2404	6.72	≤30	PASS
BLE_2M	2440	6.55	≤30	PASS
BLE_2M	2478	6.48	≤30	PASS

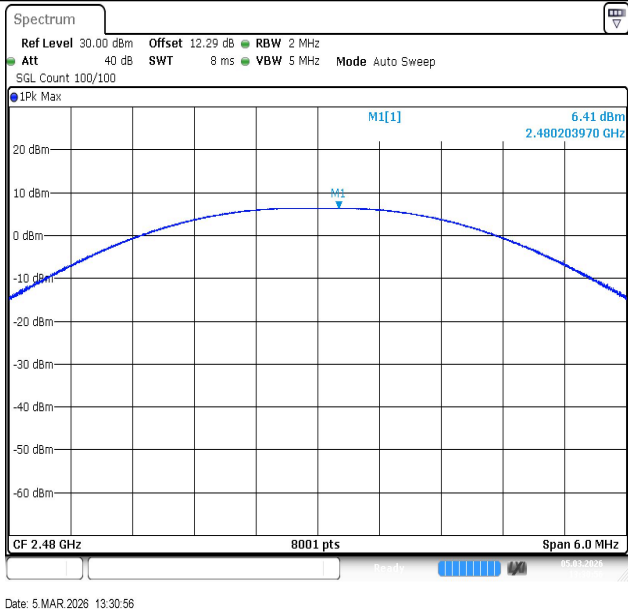
Test Graphs Peak



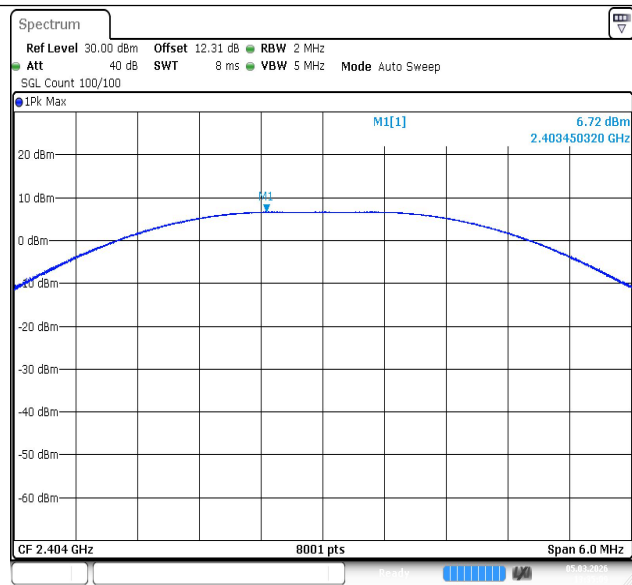
BLE_1M-2402-PASS



BLE_1M-2440-PASS

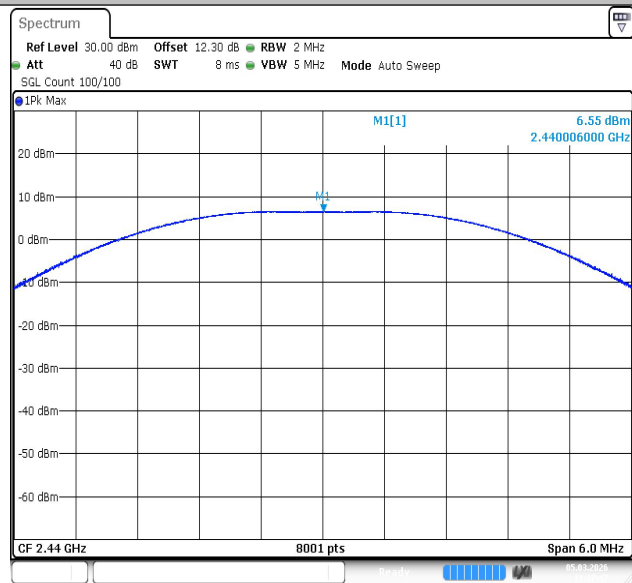


BLE_1M-2480-PASS



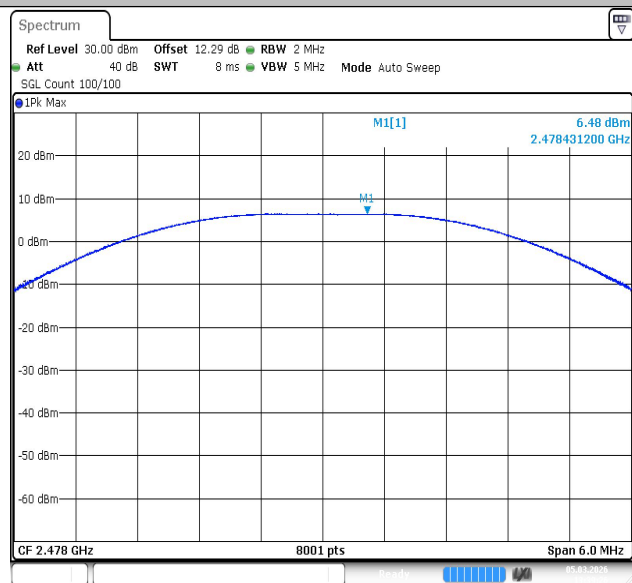
Date: 5 MAR 2026 13:35:09

BLE_2M-2404-PASS



Date: 5 MAR 2026 13:37:47

BLE_2M-2440-PASS



Date: 5 MAR 2026 13:39:27

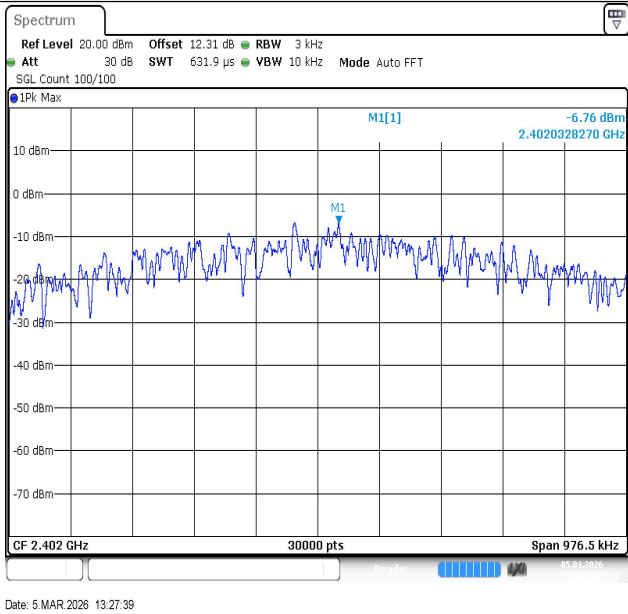
BLE_2M-2478-PASS

Appendix B: Power Spectral Density

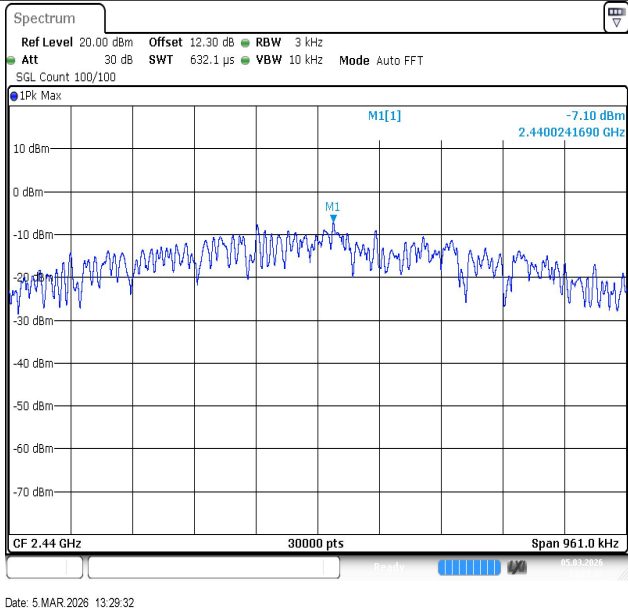
Test Result

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	2402	-6.76	≤8.00	PASS
BLE_1M	2440	-7.10	≤8.00	PASS
BLE_1M	2480	-6.94	≤8.00	PASS
BLE_2M	2404	-10.09	≤8.00	PASS
BLE_2M	2440	-10.89	≤8.00	PASS
BLE_2M	2478	-10.52	≤8.00	PASS

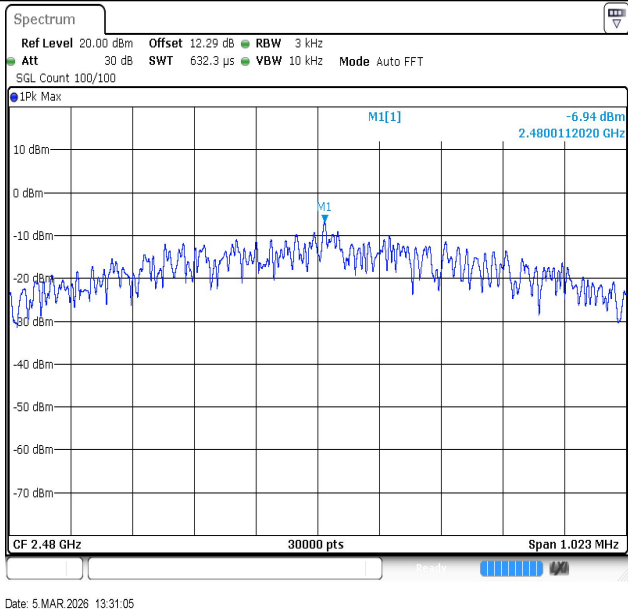
Test Graphs



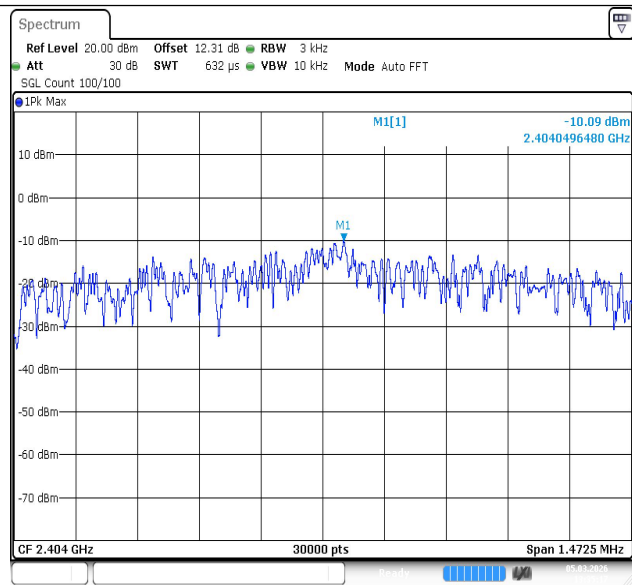
BLE_1M-2402-PASS



BLE_1M-2440-PASS

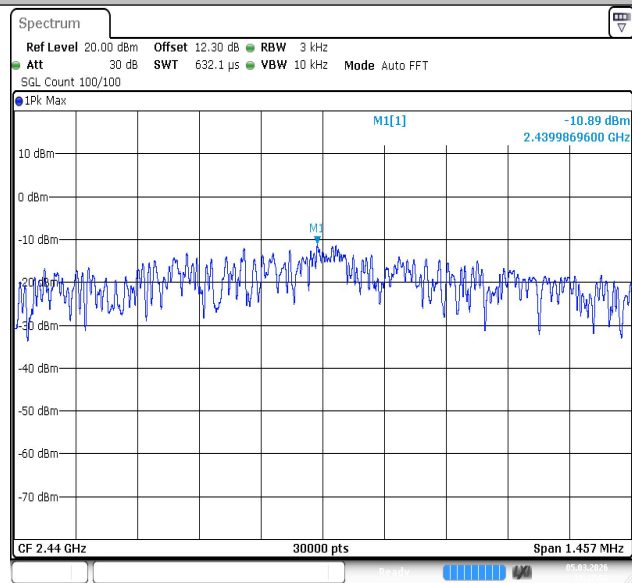


BLE_1M-2480-PASS



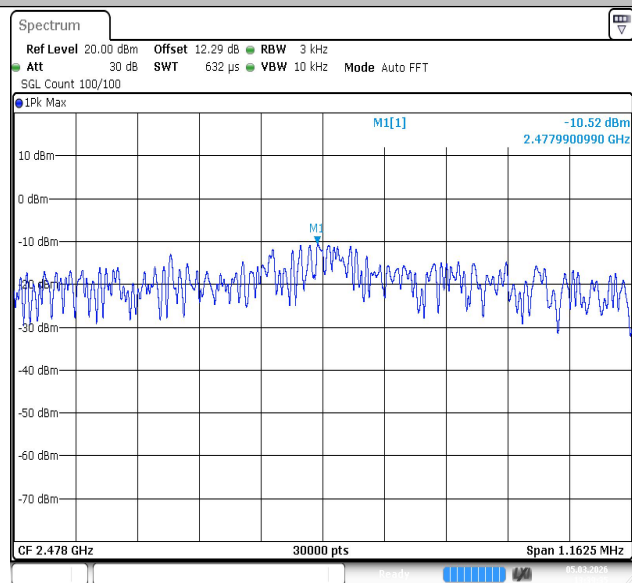
Date: 5 MAR 2026 13:35:18

BLE_2M-2404-PASS



Date: 5 MAR 2026 13:37:56

BLE_2M-2440-PASS



Date: 5 MAR 2026 13:39:35

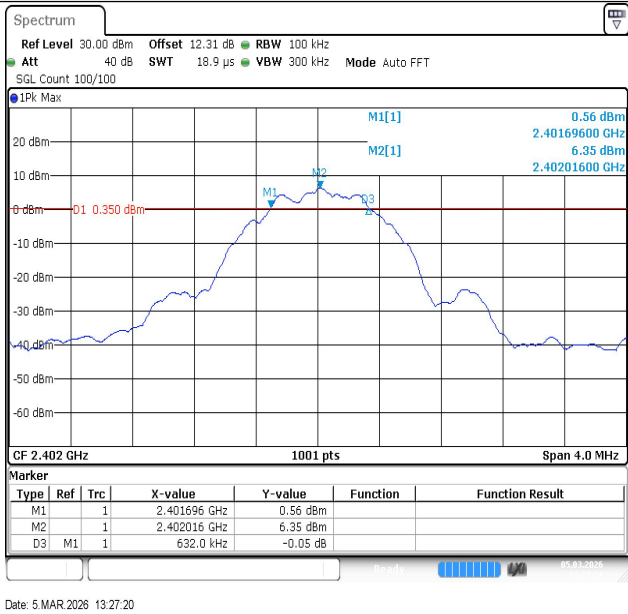
BLE_2M-2478-PASS

Appendix C: 6db Bandwidth

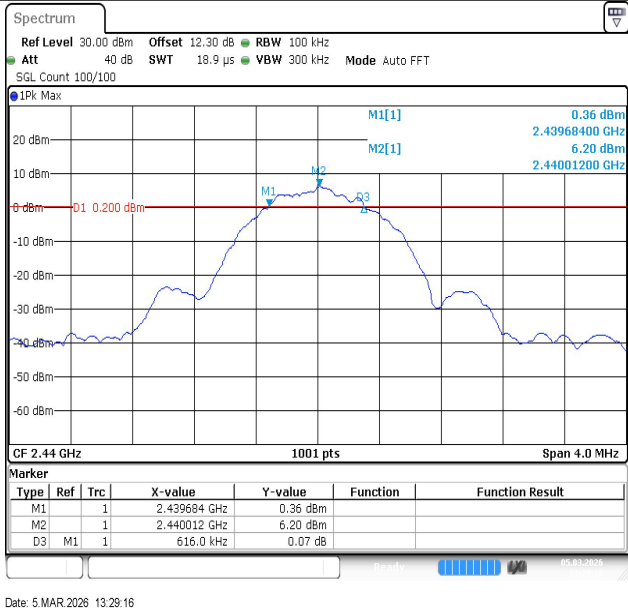
Test Result

TestMode	Frequency[MHz]	6db Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	0.63	0.5	PASS
BLE_1M	2440	0.62	0.5	PASS
BLE_1M	2480	0.66	0.5	PASS
BLE_2M	2404	0.95	0.5	PASS
BLE_2M	2440	0.94	0.5	PASS
BLE_2M	2478	0.75	0.5	PASS

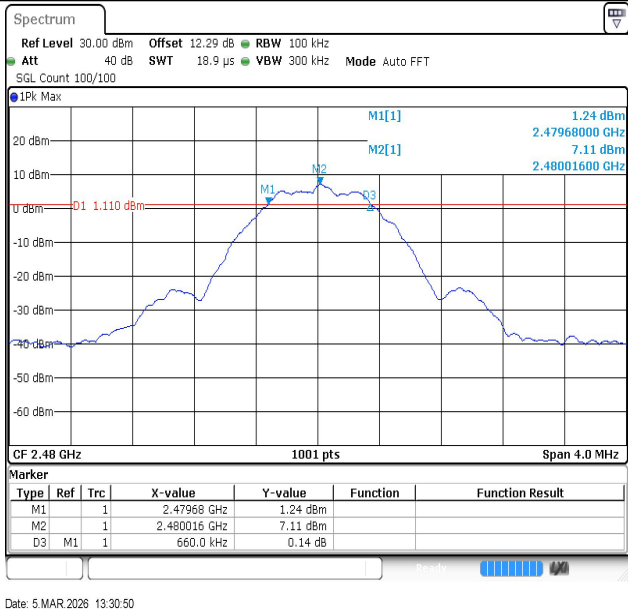
Test Graphs



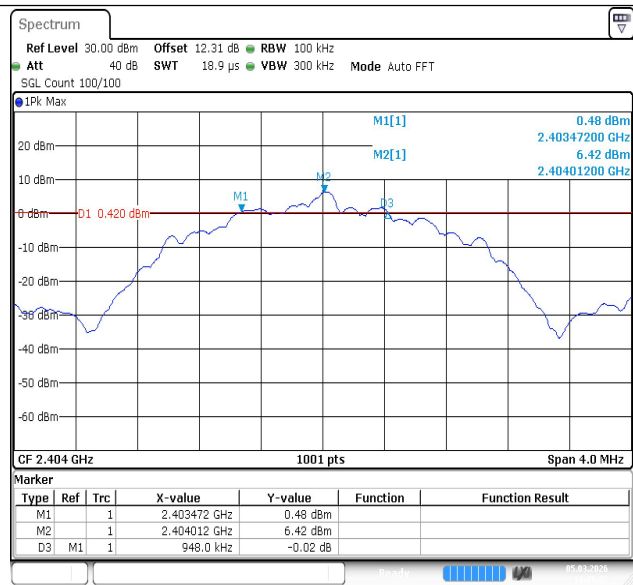
BLE_1M-2402-PASS



BLE_1M-2440-PASS

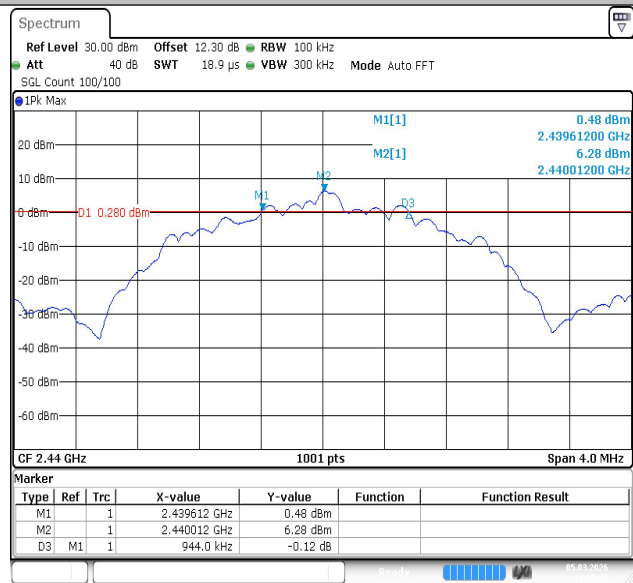


BLE_1M-2480-PASS



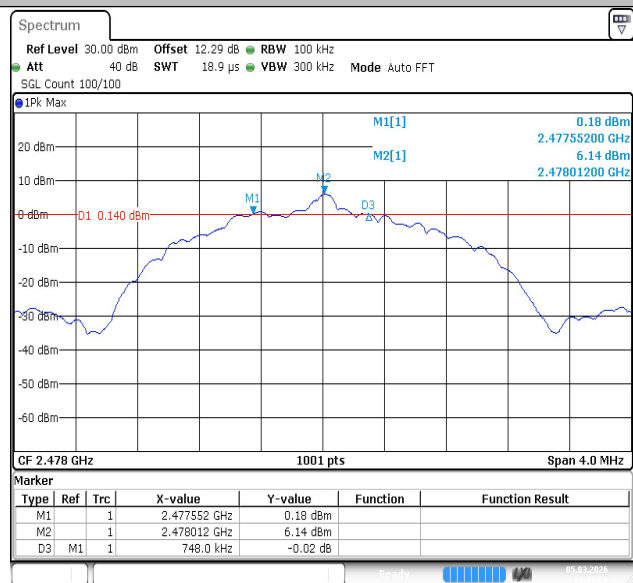
Date: 5 MAR 2026 13:35:03

BLE_2M-2404-PASS



Date: 5 MAR 2026 13:37:40

BLE_2M-2440-PASS



Date: 5 MAR 2026 13:39:20

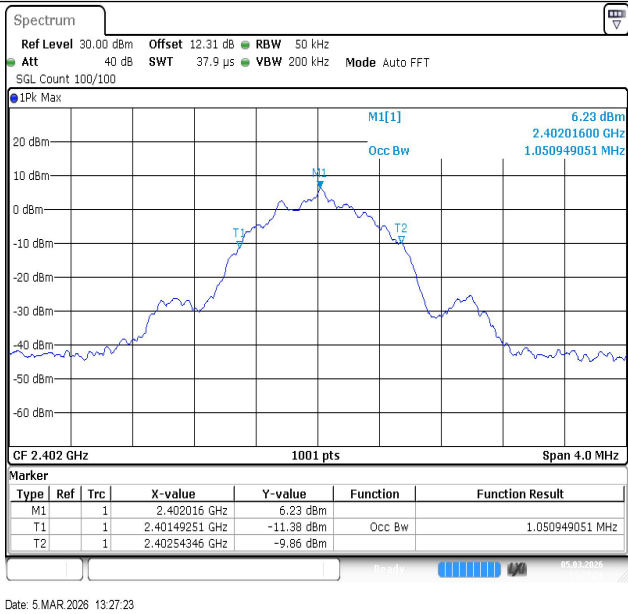
BLE_2M-2478-PASS

Appendix D: 99% Occupied Bandwidth

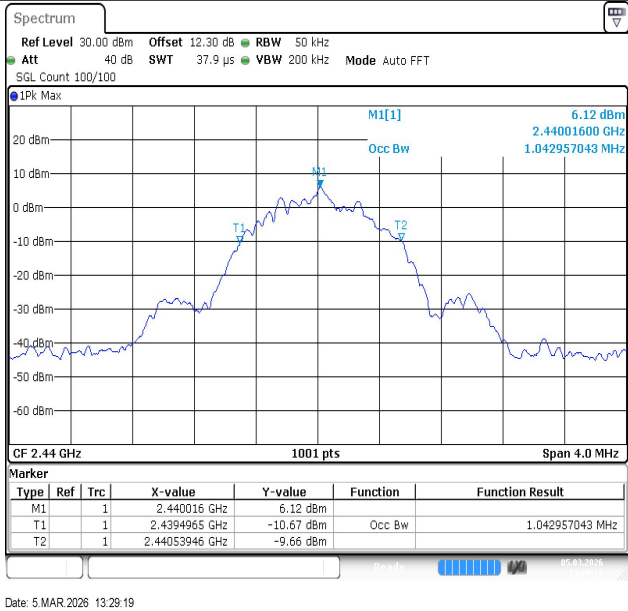
Test Result

TestMode	Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
BLE_1M	2402	1.0509	---	---
BLE_1M	2440	1.0430	---	---
BLE_1M	2480	1.0430	---	---
BLE_2M	2404	2.0460	---	---
BLE_2M	2440	2.0539	---	---
BLE_2M	2478	2.0579	---	---

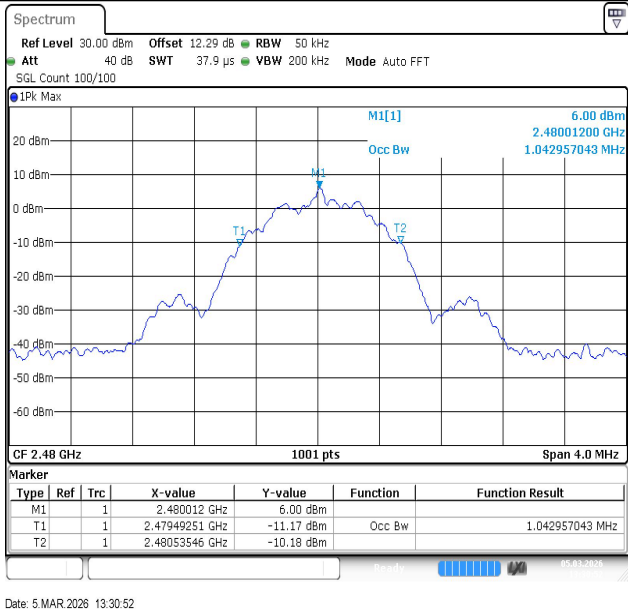
Test Graphs



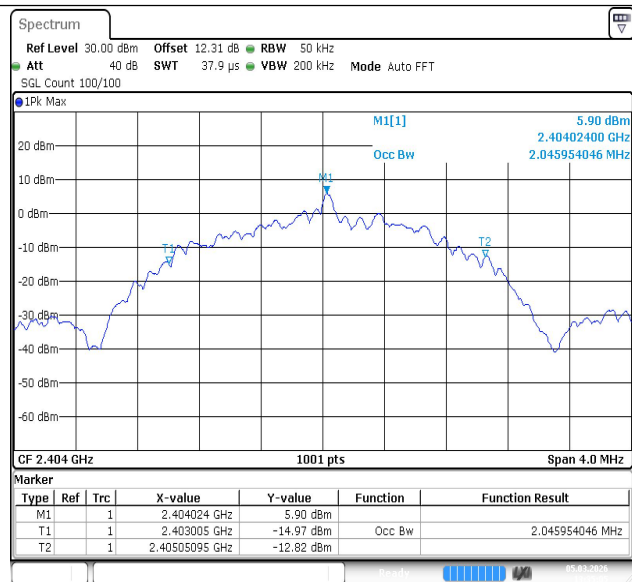
BLE_1M-2402



BLE_1M-2440

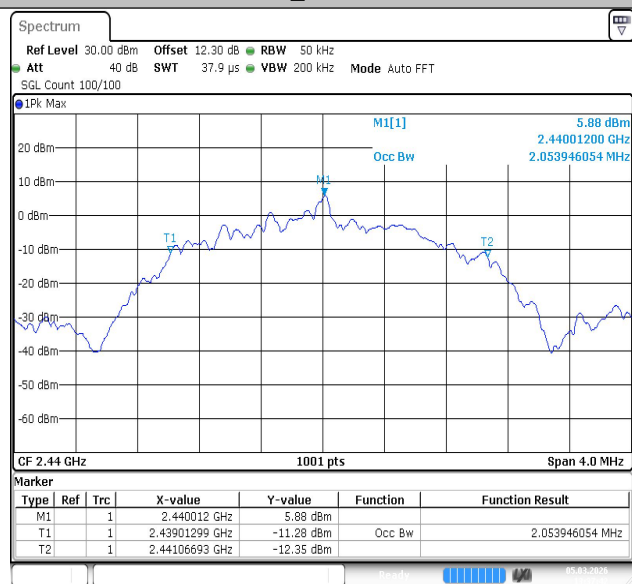


BLE_1M-2480



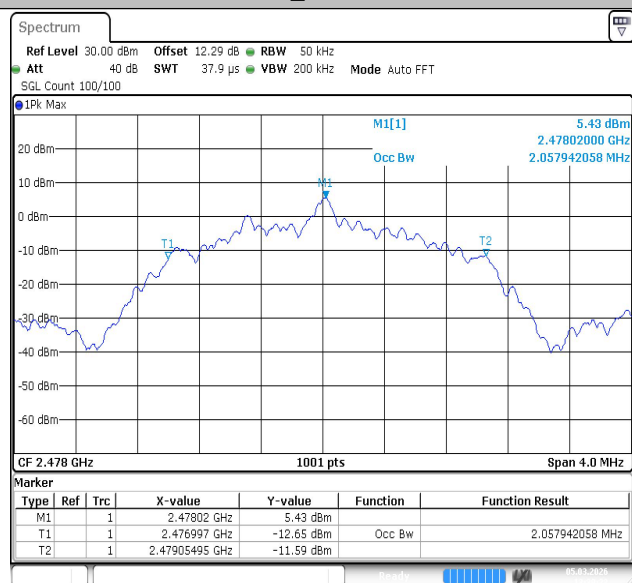
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BLE_2M-2404



Date: 5 MAR 2026 13:37:43

BLE_2M-2440



Date: 5 MAR 2026 13:39:23

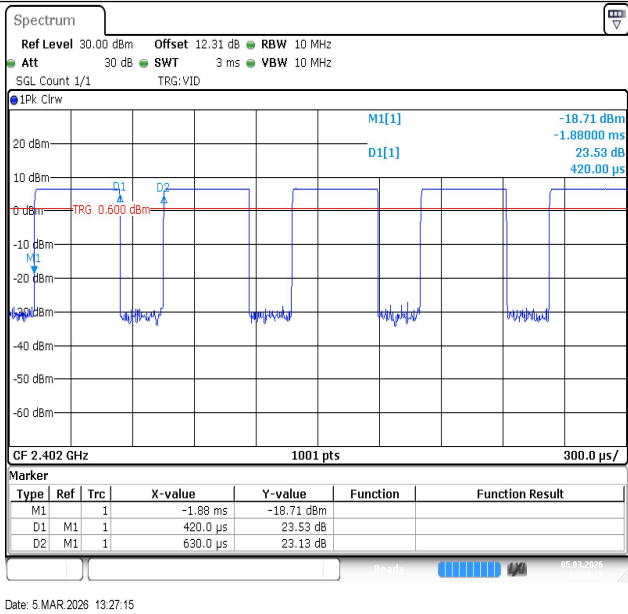
BLE_2M-2478

Appendix E: Duty Cycle

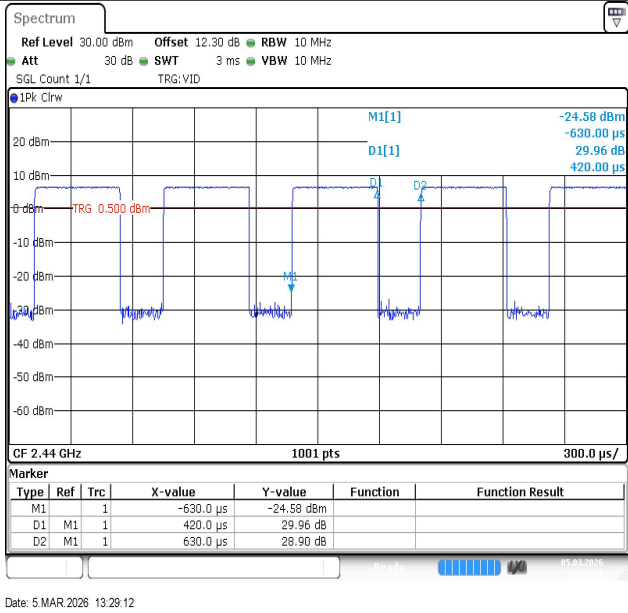
Test Result

TestMode	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/Ton time(kHz)
BLE_1M	2402	0.42	0.63	66.67	1.76	2.38
BLE_1M	2440	0.42	0.63	66.67	1.76	2.38
BLE_1M	2480	0.42	0.63	66.67	1.76	2.38
BLE_2M	2404	0.23	0.62	37.10	4.31	4.35
BLE_2M	2440	0.23	0.62	37.10	4.31	4.35
BLE_2M	2478	0.23	0.62	37.10	4.31	4.35

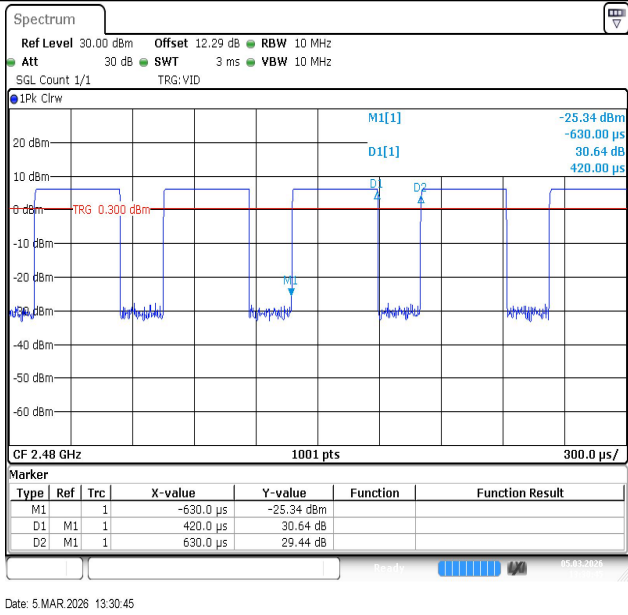
Test Graphs



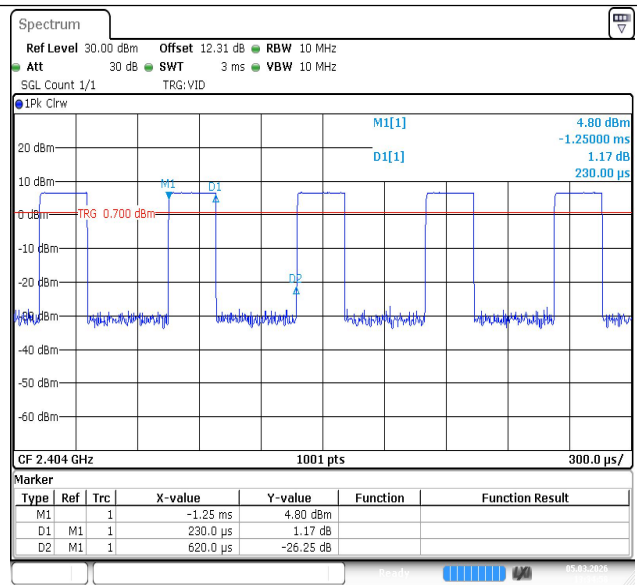
NTNV-BLE_1M-2402



NTNV-BLE_1M-2440

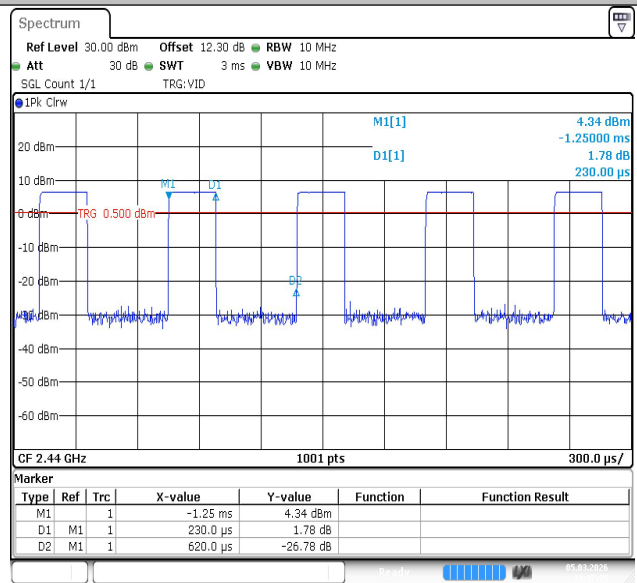


NTNV-BLE_1M-2480



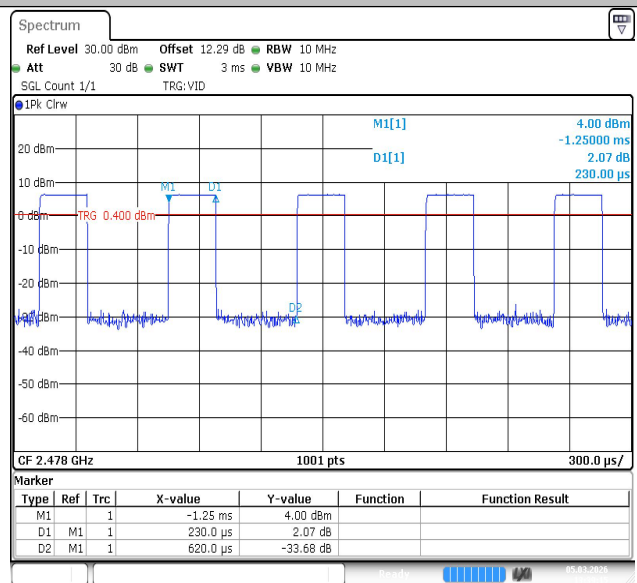
Date: 5 MAR 2026 13:34:58

NTNV-BLE_2M-2404



Date: 5 MAR 2026 13:37:36

NTNV-BLE_2M-2440



Date: 5 MAR 2026 13:38:15

NTNV-BLE_2M-2478