

Appendix D



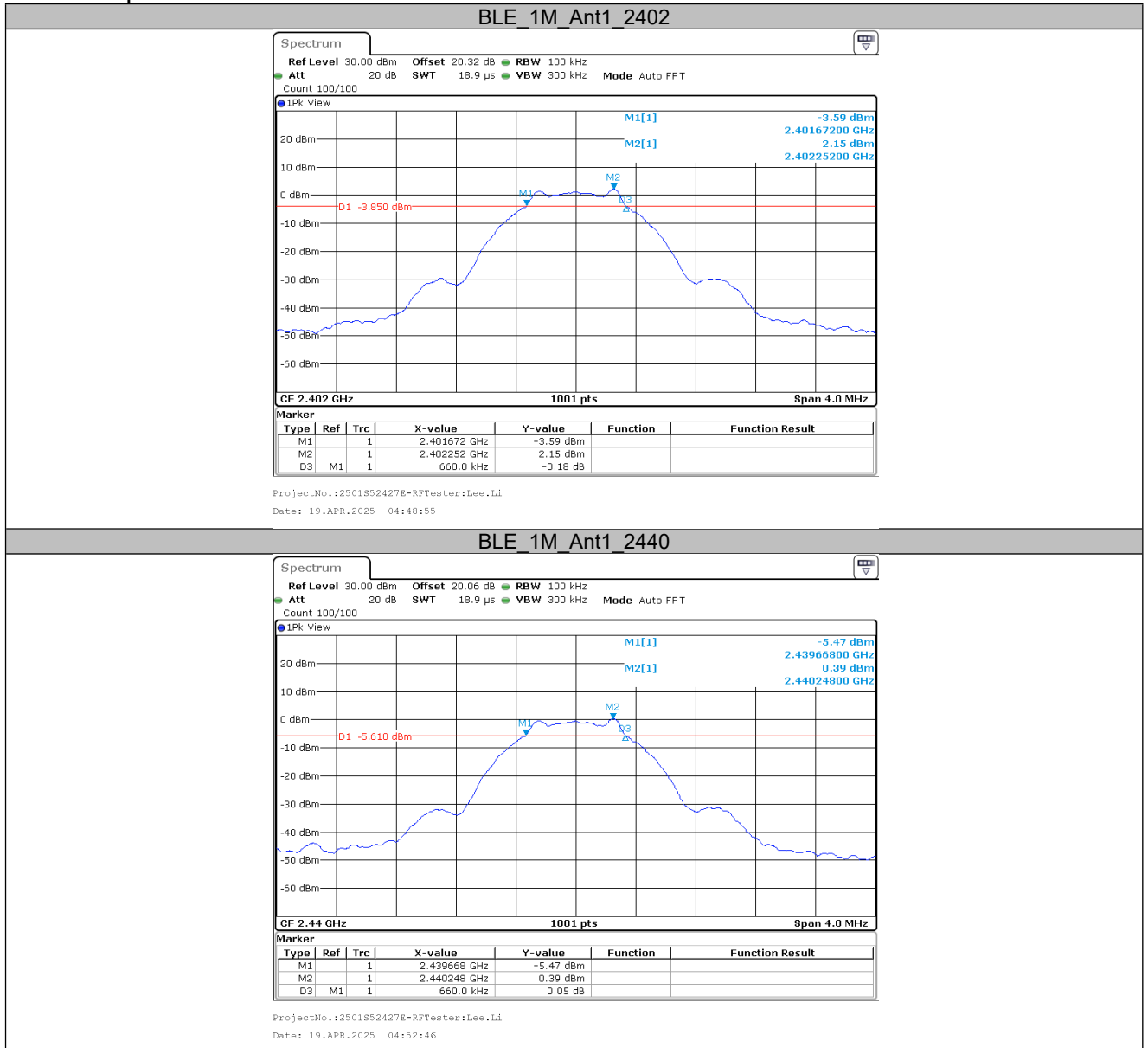
RF Test: General Information

Project No.:	2501S52427E-RF
EUT Number:	314C-1
Operating Mode:	Transmitting
Test Conditions:	Temperature: <u>25-28</u> °C Relative Humidity: <u>51-27</u> % ATM Pressure: <u>100-101</u> kPa
Test Engineer:	Lee Li&Rainbow Zhu
Test Date:	2025-04-19~2025-09-10

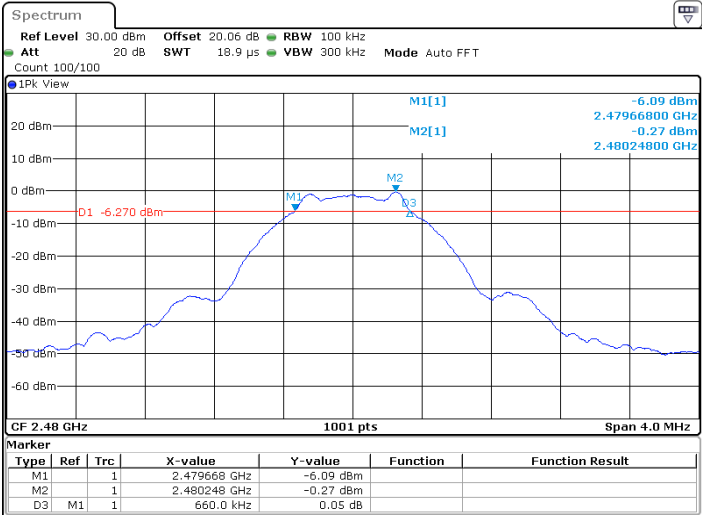
DTS Bandwidth Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
		2440	0.660	2439.668	2440.328	0.5	PASS
		2480	0.660	2479.668	2480.328	0.5	PASS
BLE_2M	Ant1	2402	1.236	2401.348	2402.584	0.5	PASS
		2440	1.244	2439.344	2440.588	0.5	PASS
		2480	1.240	2479.344	2480.584	0.5	PASS

Test Graphs

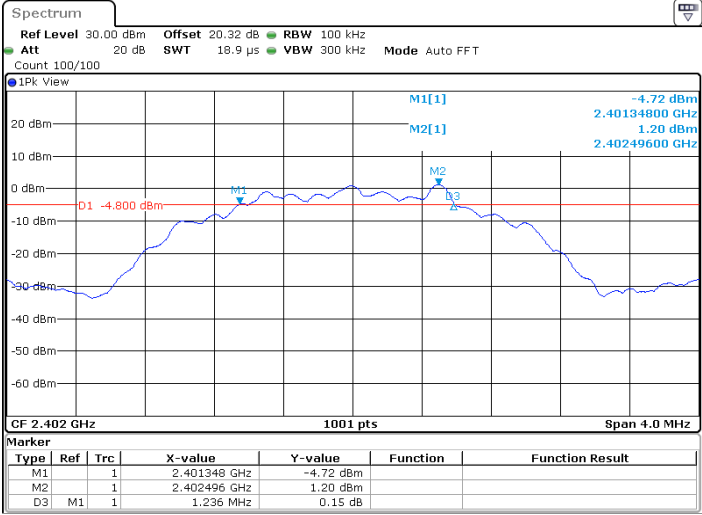


BLE_1M_Ant1_2480



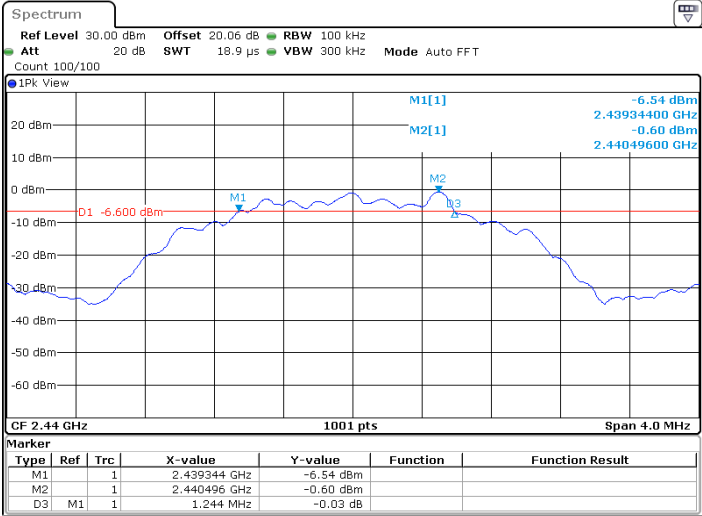
ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:54:32

BLE_2M_Ant1_2402

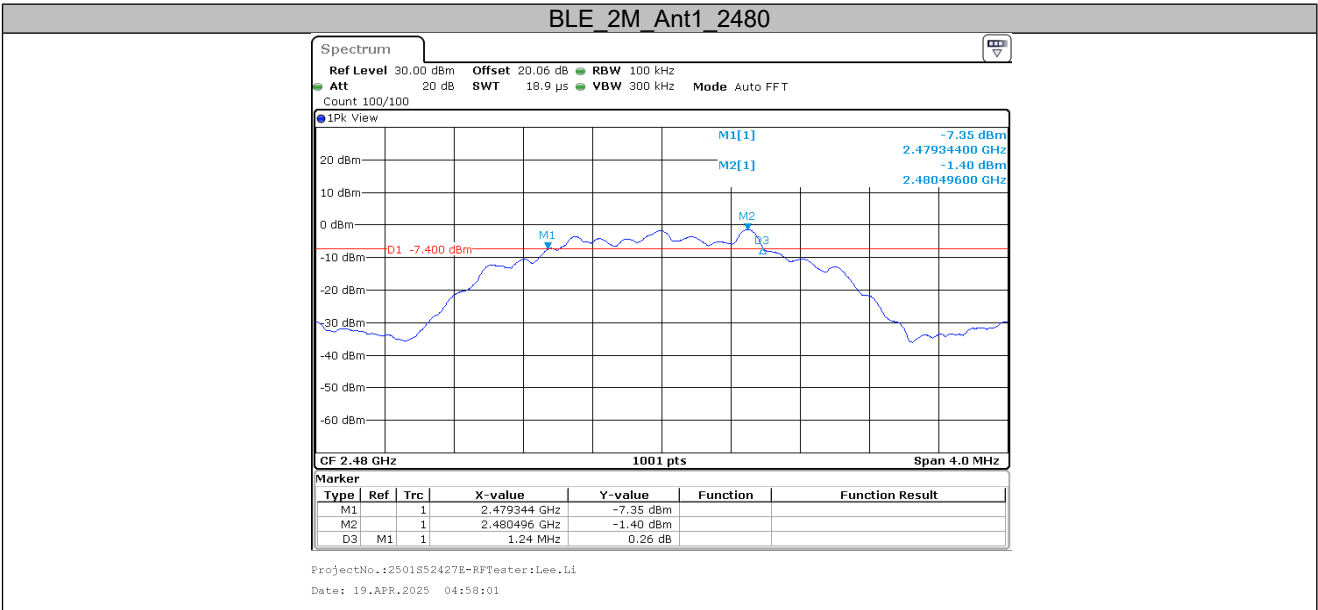


ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:55:37

BLE_2M_Ant1_2440



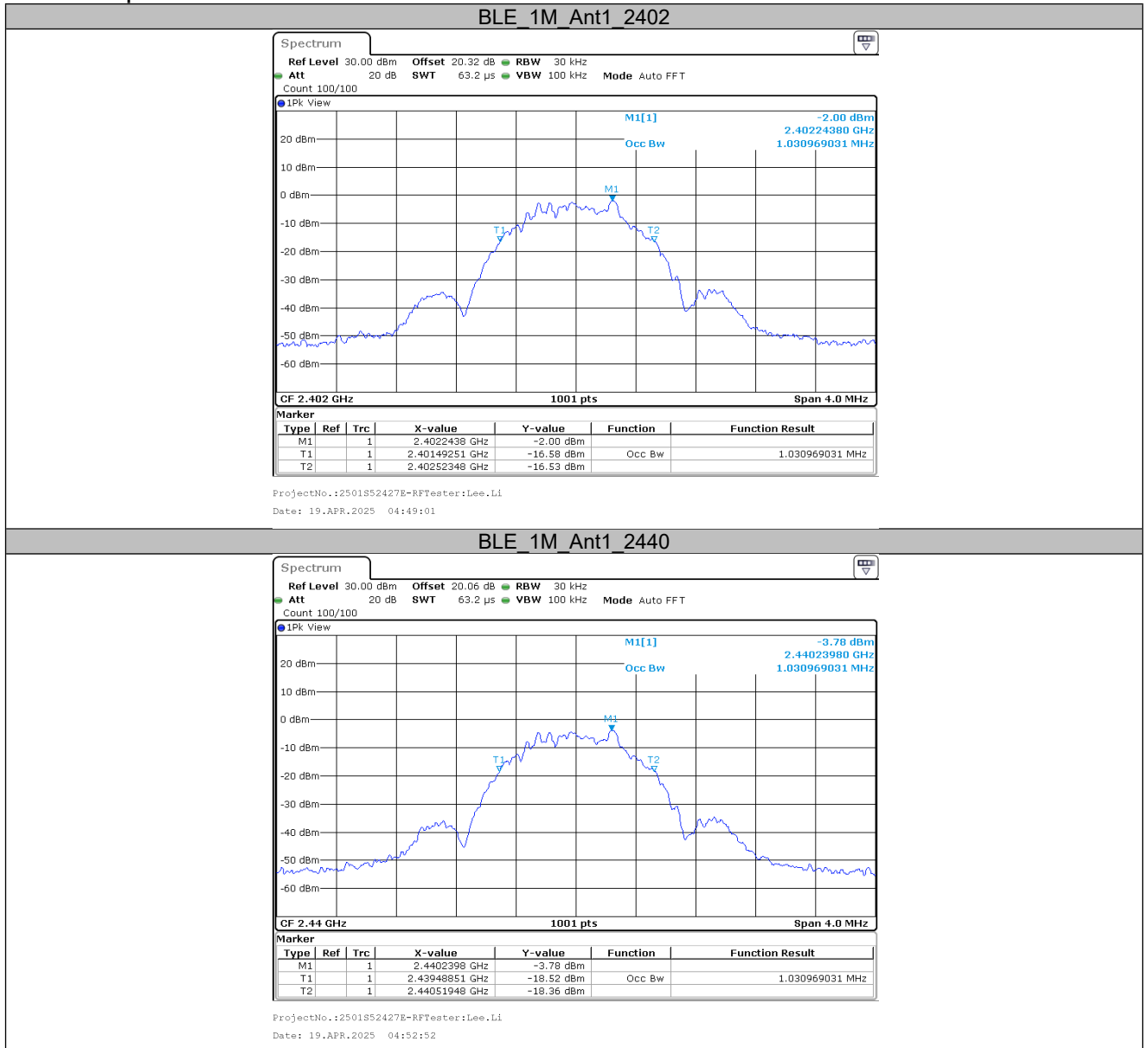
ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:57:05



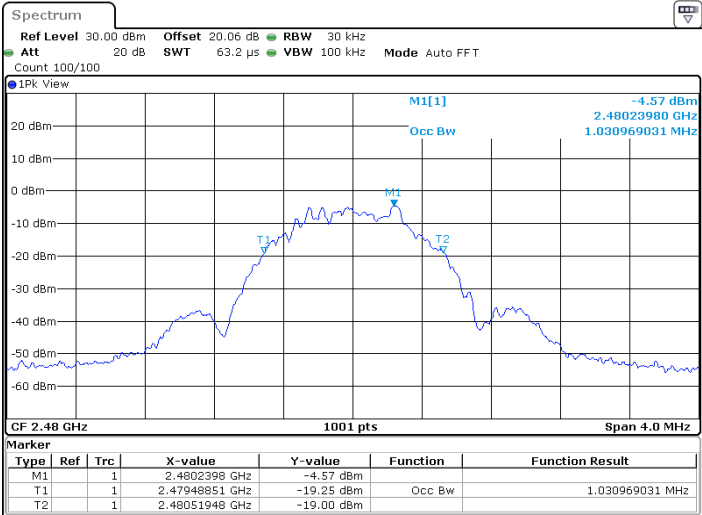
Occupied Channel Bandwidth Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.4925	2402.5235	---	---
		2440	1.031	2439.4885	2440.5195	---	---
		2480	1.031	2479.4885	2480.5195	---	---
BLE_2M	Ant1	2402	2.106	2400.9530	2403.0589	---	---
		2440	2.114	2438.9491	2441.0629	---	---
		2480	2.118	2478.9451	2481.0629	---	---

Test Graphs

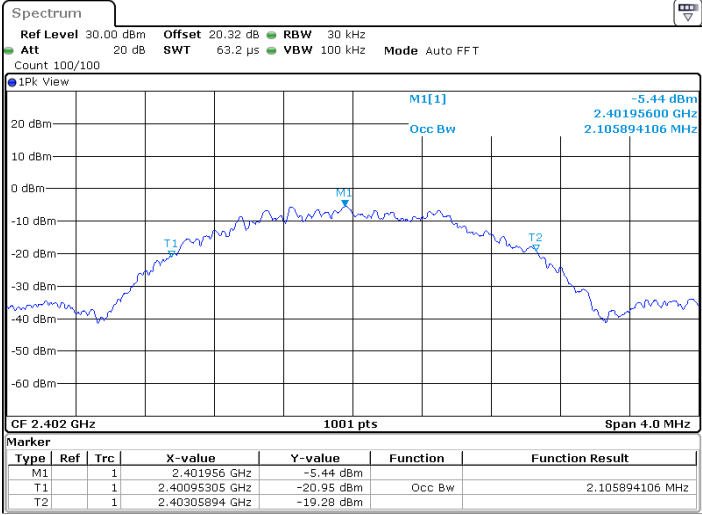


BLE_1M_Ant1_2480



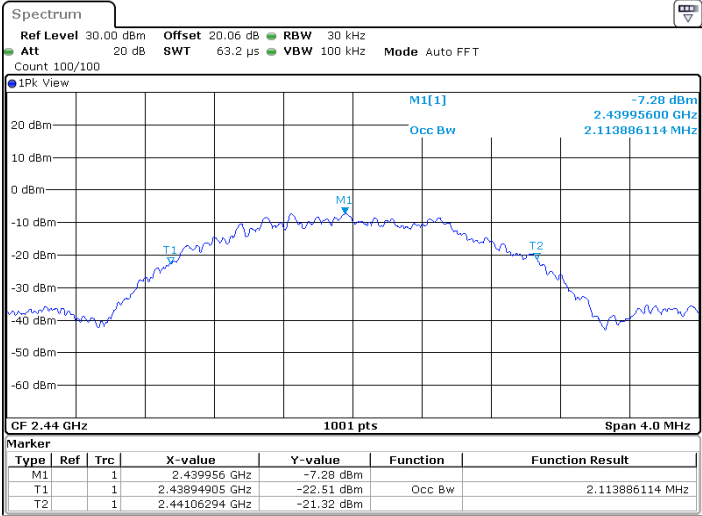
ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:54:37

BLE_2M_Ant1_2402

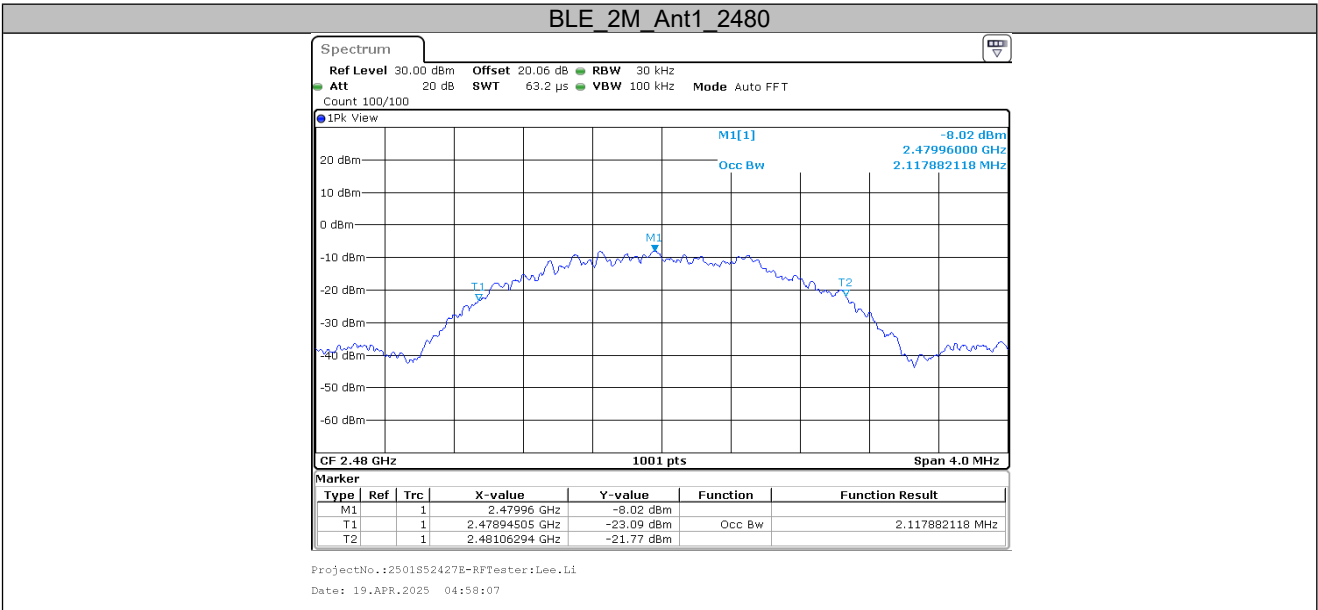


ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:55:43

BLE_2M_Ant1_2440



ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:57:11

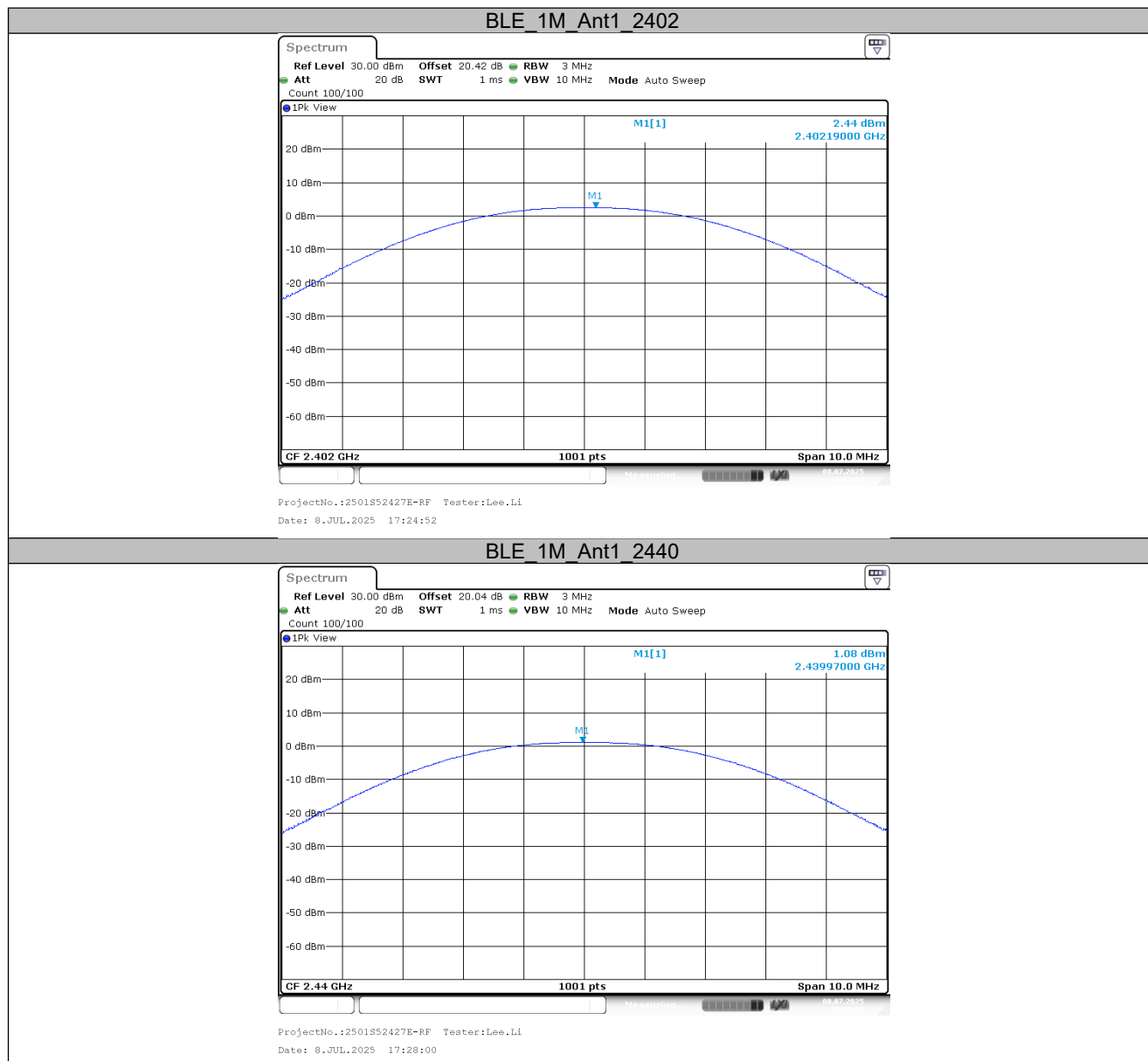


Maximum conducted output power

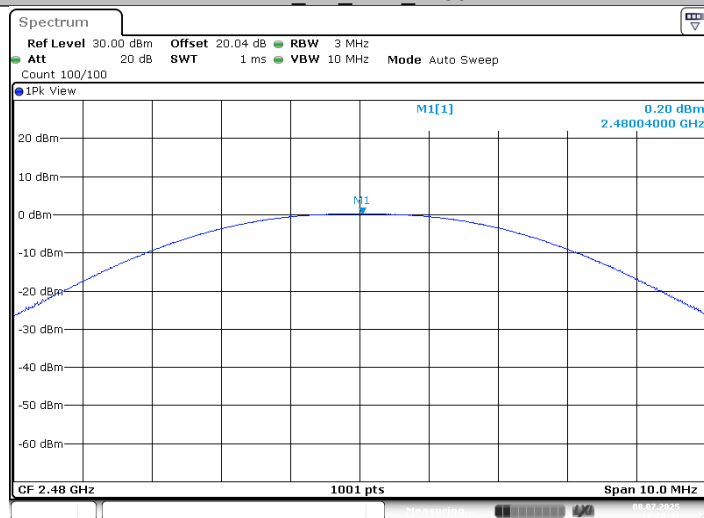
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2.44	≤30	PASS
		2440	1.08	≤30	PASS
		2480	0.20	≤30	PASS
BLE_2M	Ant1	2402	2.38	≤30	PASS
		2440	0.49	≤30	PASS
		2480	-0.27	≤30	PASS

Test Graphs Peak

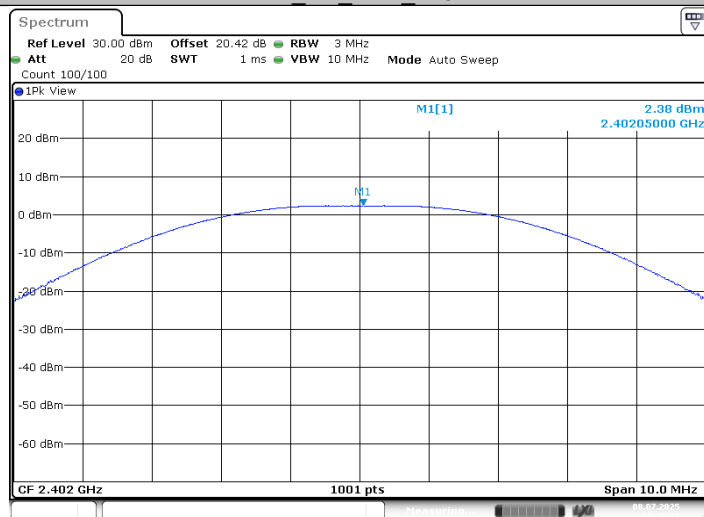


BLE_1M_Ant1_2480



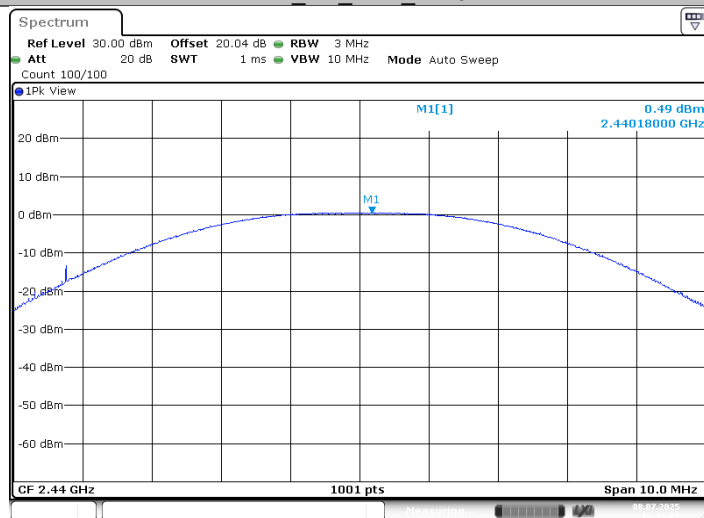
ProjectNo.:2501S52427E-RF Tester:Lee.Li
Date: 8.JUL.2025 17:28:44

BLE_2M_Ant1_2402



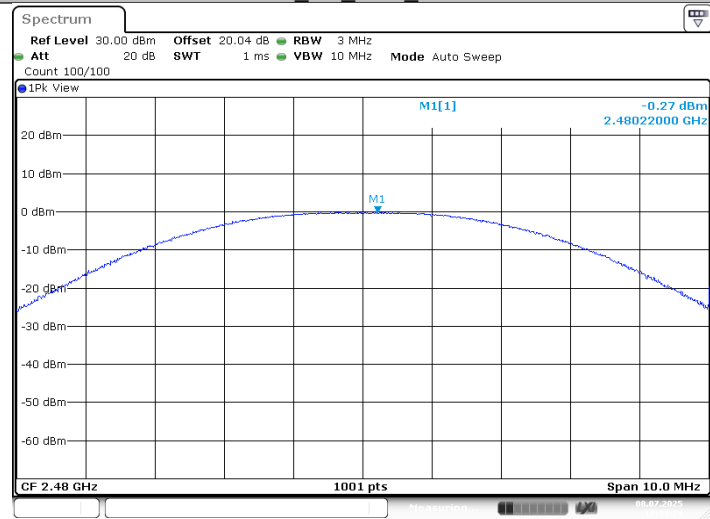
ProjectNo.:2501S52427E-RF Tester:Lee.Li
Date: 8.JUL.2025 17:29:24

BLE_2M_Ant1_2440



ProjectNo.:2501S52427E-RF Tester:Lee.Li
Date: 8.JUL.2025 17:43:07

BLE_2M_Ant1_2480

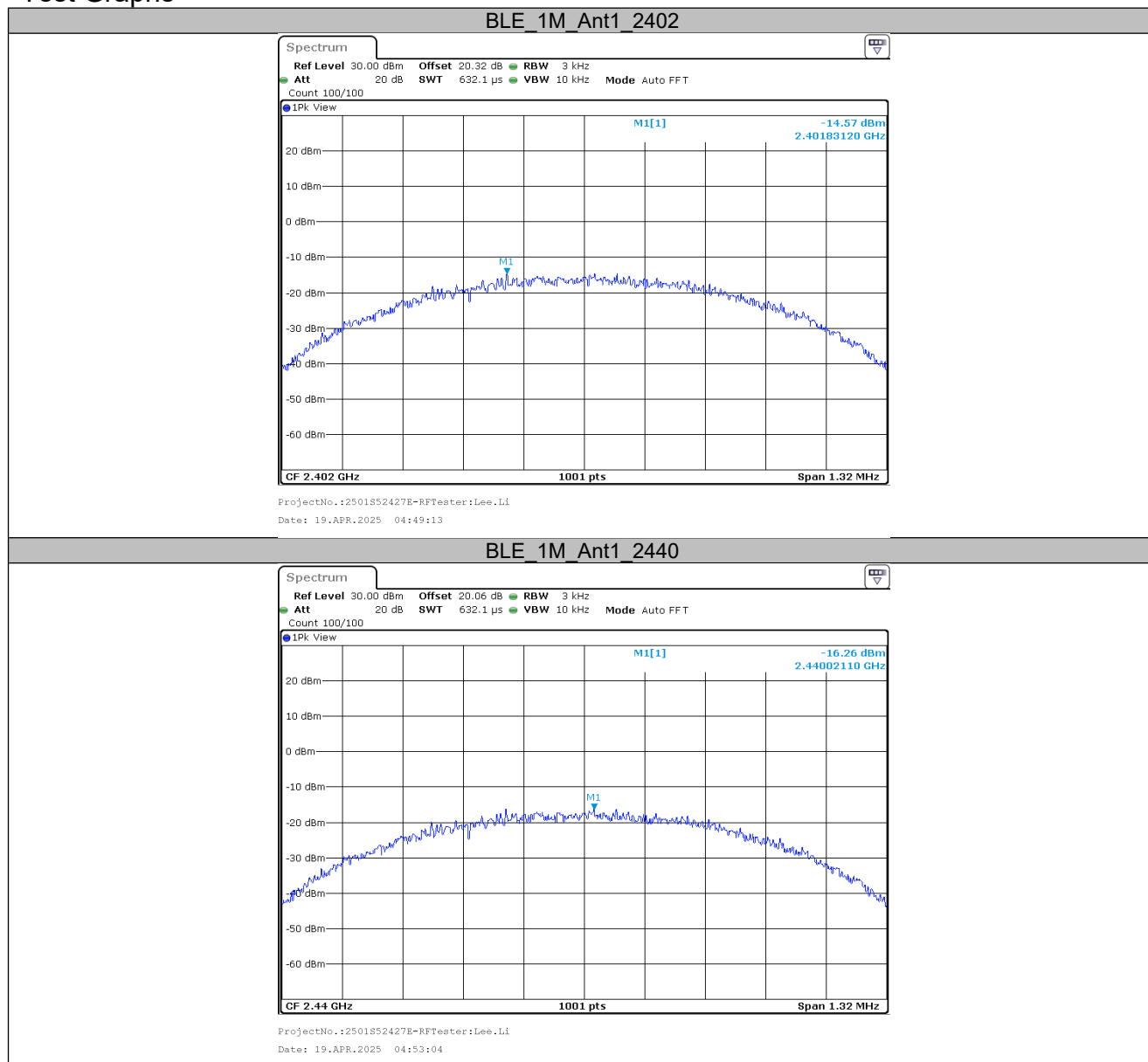


ProjectNo.:2501S52427E-RF Tester:Lee.Li
Date: 8.JUL.2025 17:44:25

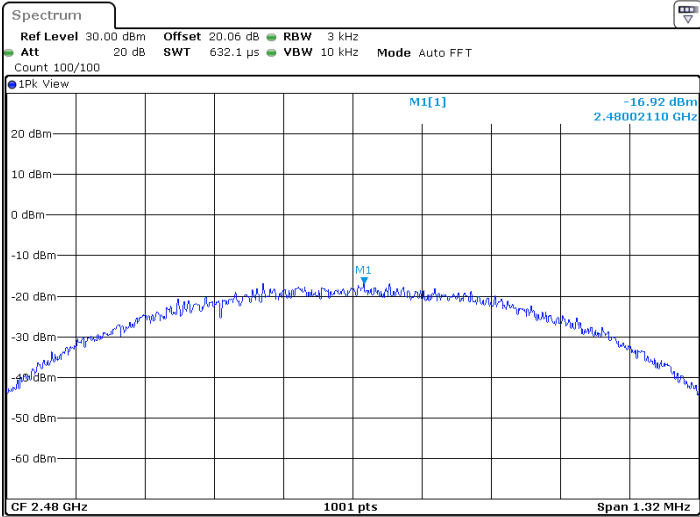
Maximum power spectral density Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.57	≤8.00	PASS
		2440	-16.26	≤8.00	PASS
		2480	-16.92	≤8.00	PASS
BLE_2M	Ant1	2402	-17.50	≤8.00	PASS
		2440	-19.24	≤8.00	PASS
		2480	-19.98	≤8.00	PASS

Test Graphs

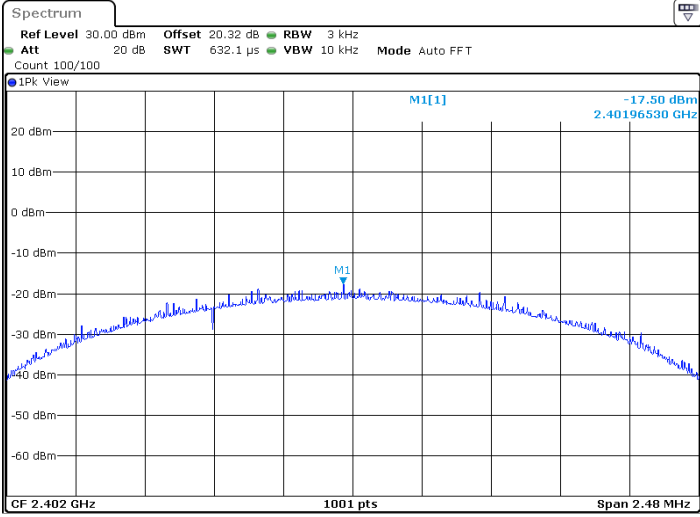


BLE_1M_Ant1_2480



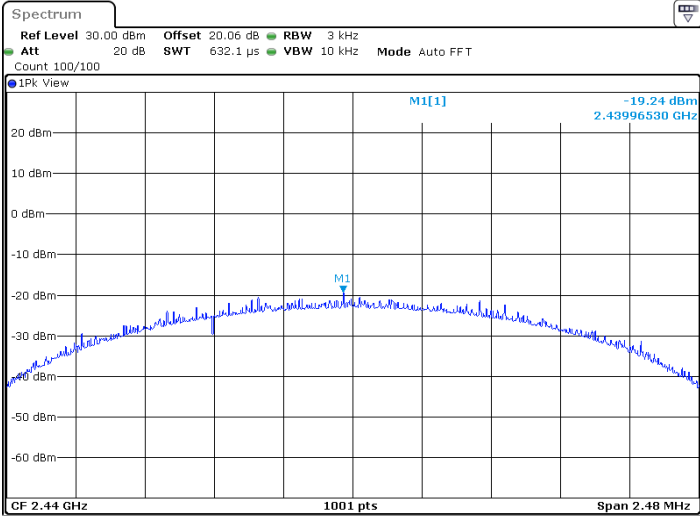
ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:54:49

BLE_2M_Ant1_2402

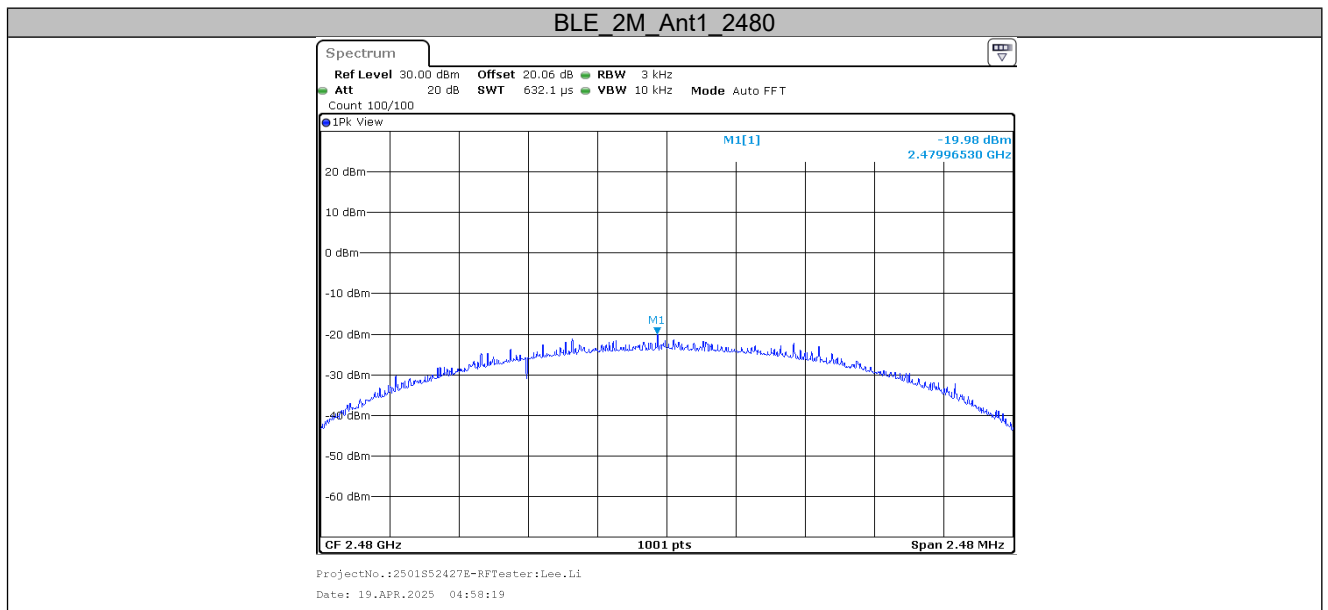


ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:55:55

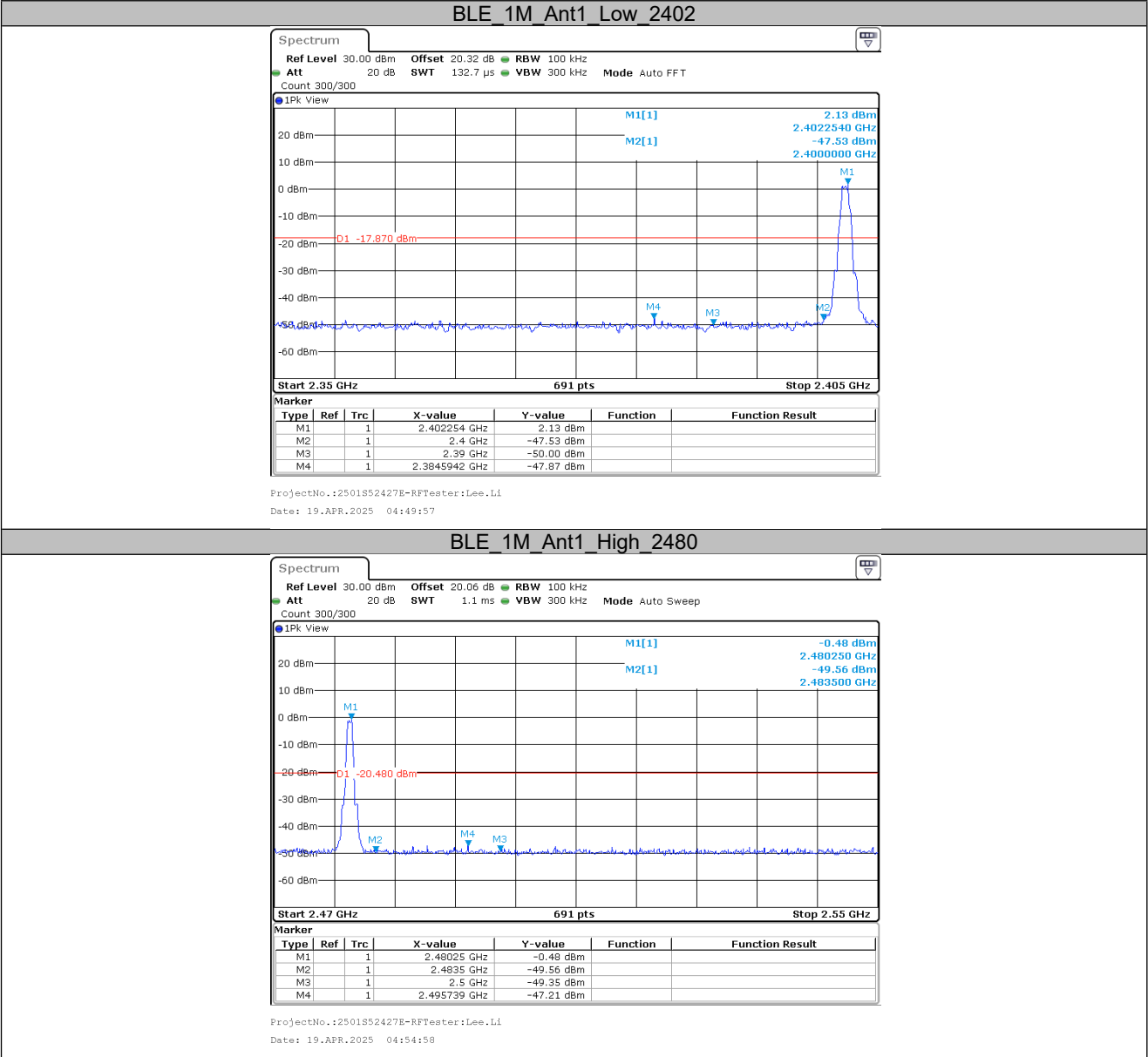
BLE_2M_Ant1_2440



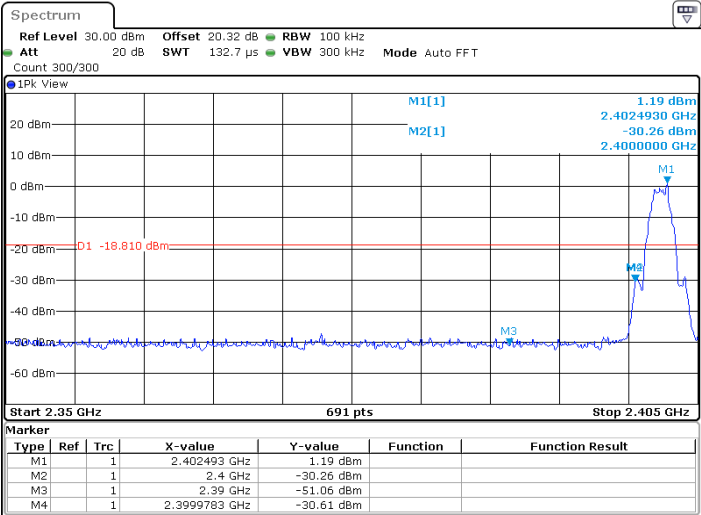
ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:57:23



Band edge measurements
Test Graphs

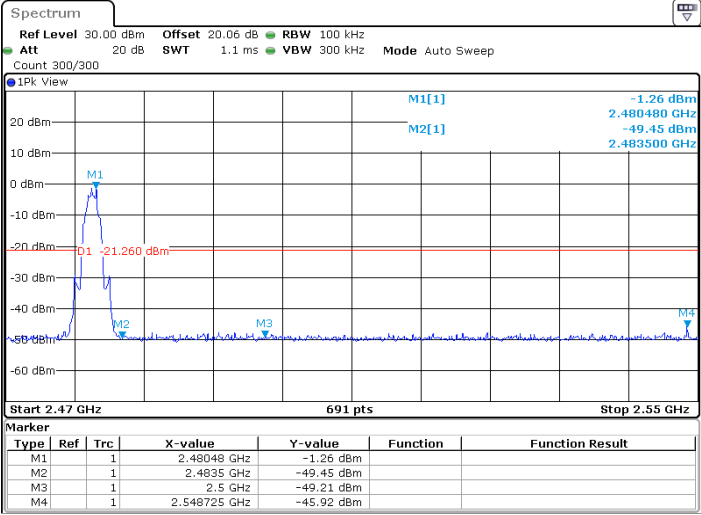


BLE_2M_Ant1_Low_2402



ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:56:03

BLE_2M_Ant1_High_2480

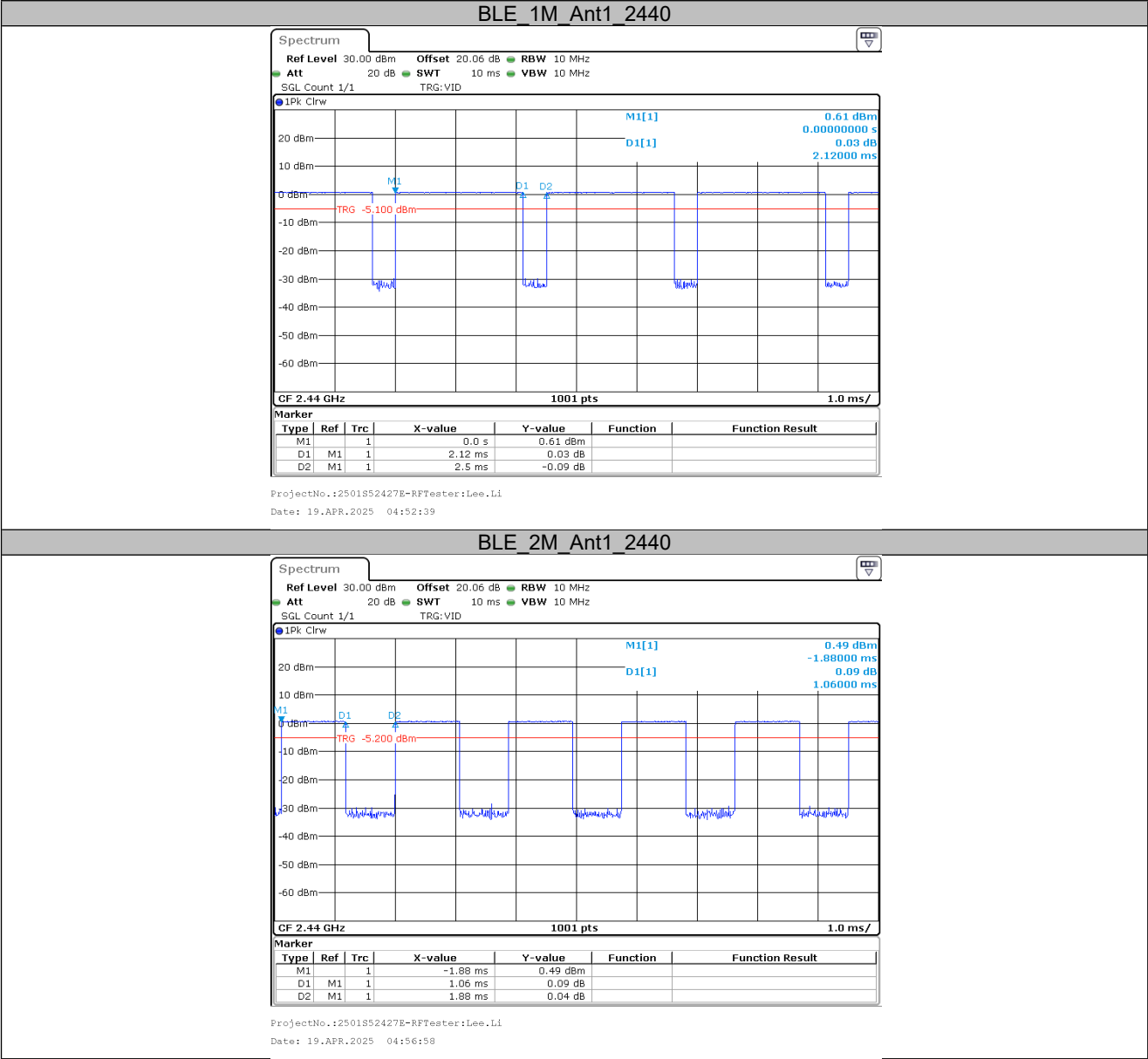


ProjectNo.:2501S52427E-RFTester:Lee.Li
Date: 19.APR.2025 04:58:28

Duty Cycle
Test Result

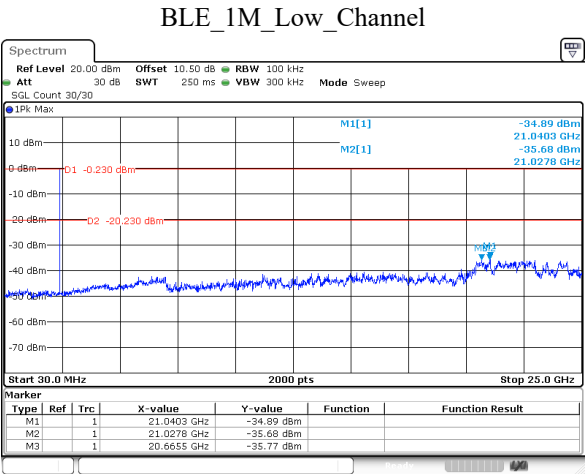
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T[Hz]	VBW Setting [kHz]
BLE 1M	Ant1	2440	2.12	2.50	84.80	0.72	472	1
BLE 2M	Ant1	2440	1.06	1.88	56.38	2.49	943	1

Test Graphs

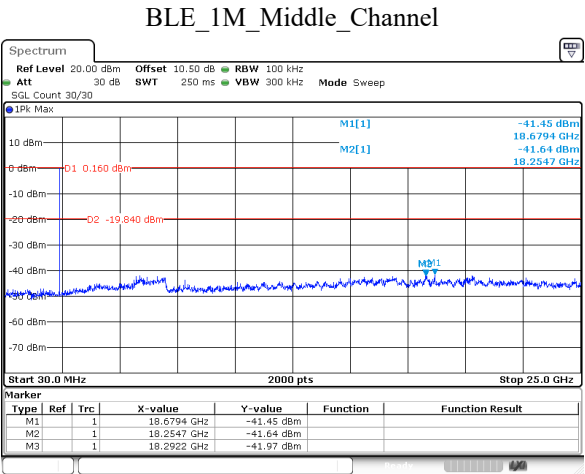


Conducted Spurious Emission
Test Graphs

BLE 1M

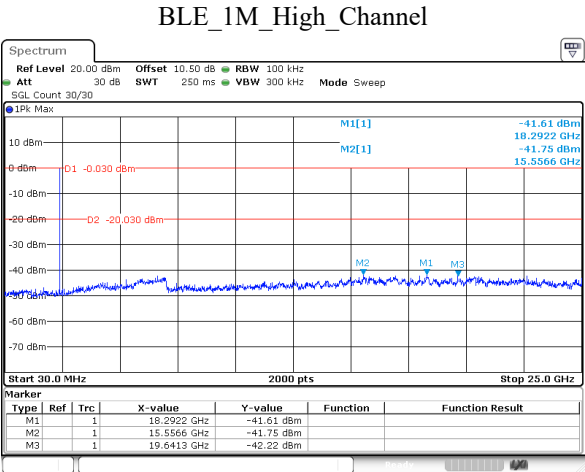


ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:07:08

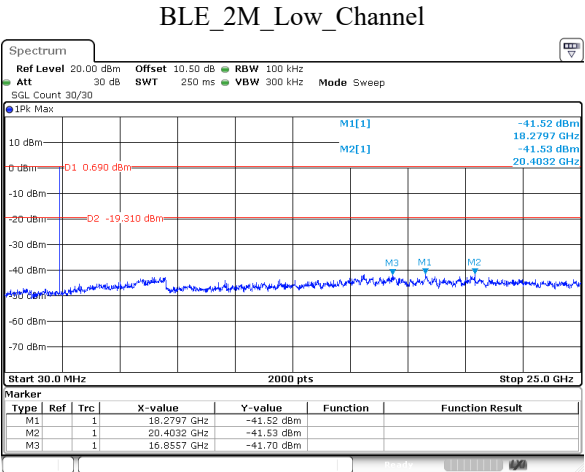


ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:13:49

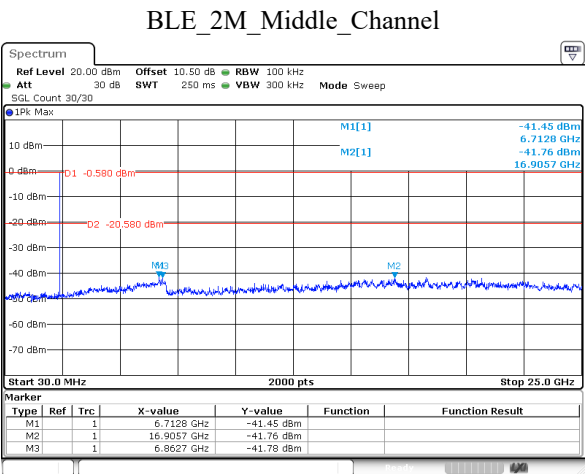
BLE 2M



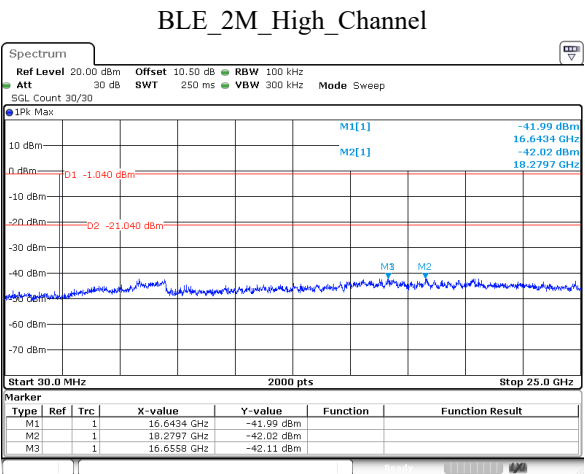
ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:20:20



ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:22:12



ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:25:36



ProjectNo.:2501S52427E-RF Tester:Rainbow Zhu
Date: 10.SEP.2025 16:27:44