

Appendix K

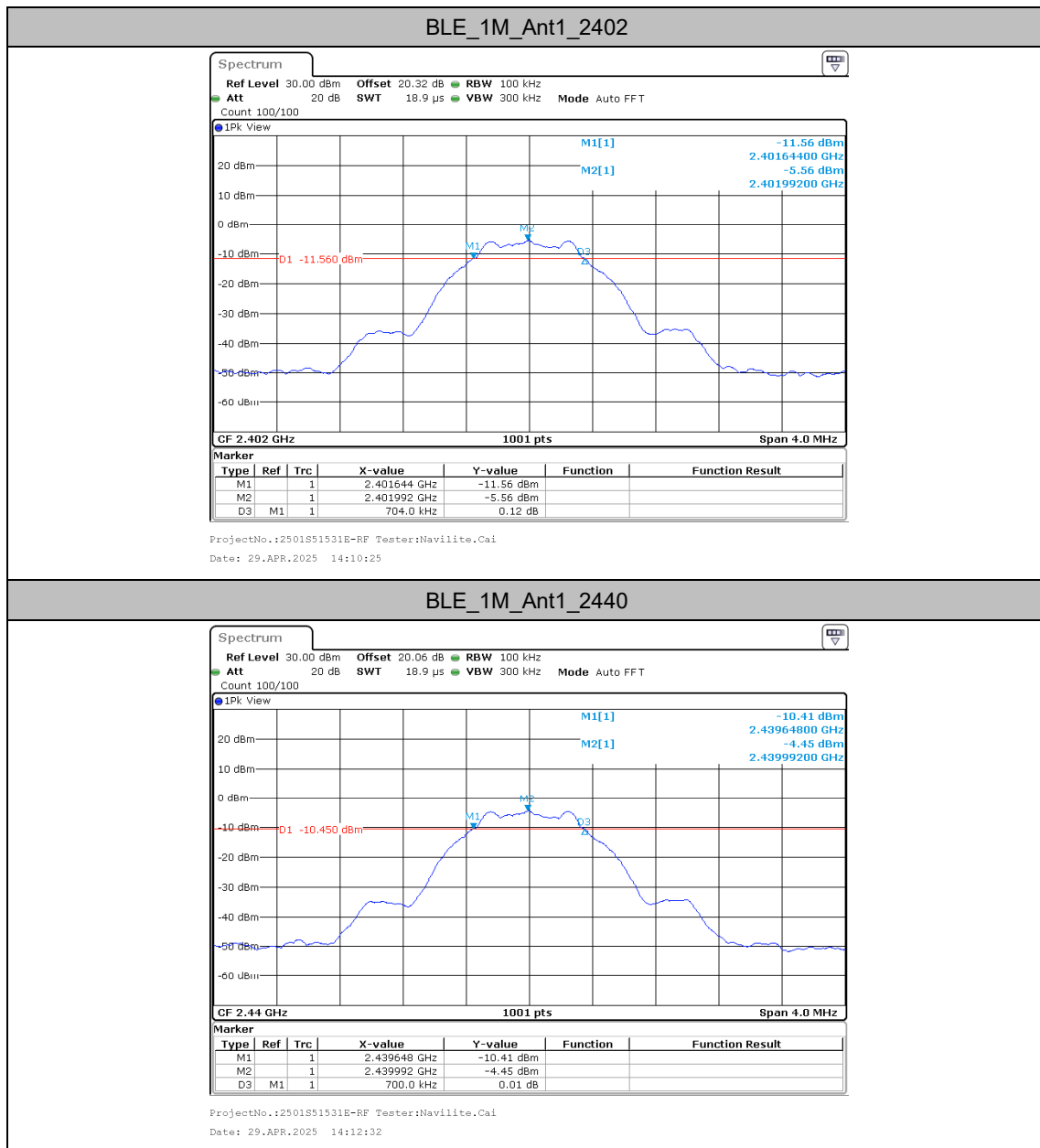
Case No. : <u>2501S51531E-RF</u>
Ambient Condition: <u>24.5-25.5℃,38-45 %RH, 100.2-100.6kPa</u>
According Standard: <u>■Part15.247/RSS 247</u>
Test Date: <u>2025-4-29~2025-5-19</u> Test Engineer: <u>Navilite.Cai</u> Test Mode: <u>Transmitting</u>

DTS Bandwidth

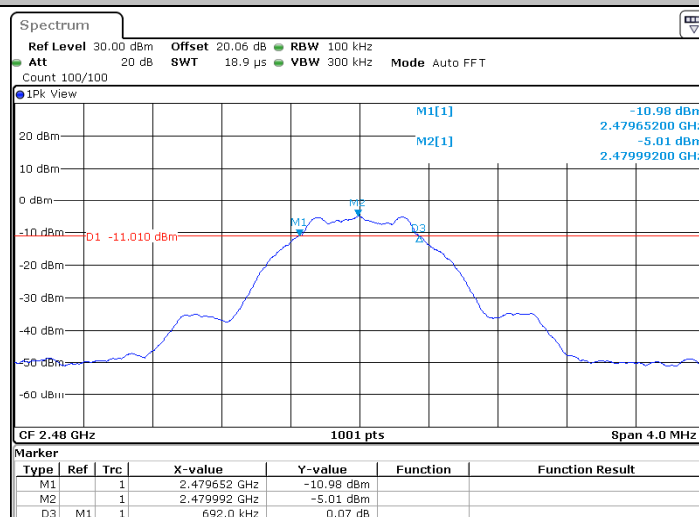
Test Result

Test Mode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.64	2402.34	0.5	PASS
		2440	0.70	2439.65	2440.35	0.5	PASS
		2480	0.69	2479.65	2480.34	0.5	PASS
BLE_2M	Ant1	2404	1.16	2403.42	2404.58	0.5	PASS
		2440	1.16	2439.42	2440.58	0.5	PASS
		2478	1.16	2477.42	2478.58	0.5	PASS

Test Graphs

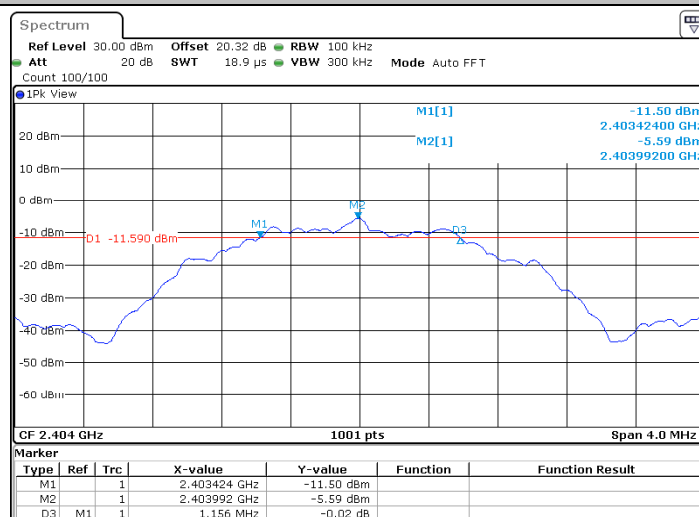


BLE_1M_Ant1_2480



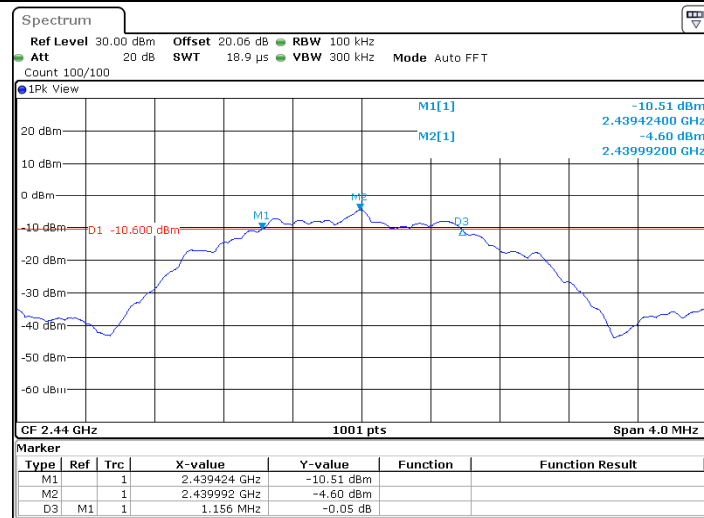
ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
Date: 29.APR.2025 14:16:35

BLE_2M_Ant1_2404



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
Date: 29.APR.2025 14:19:43

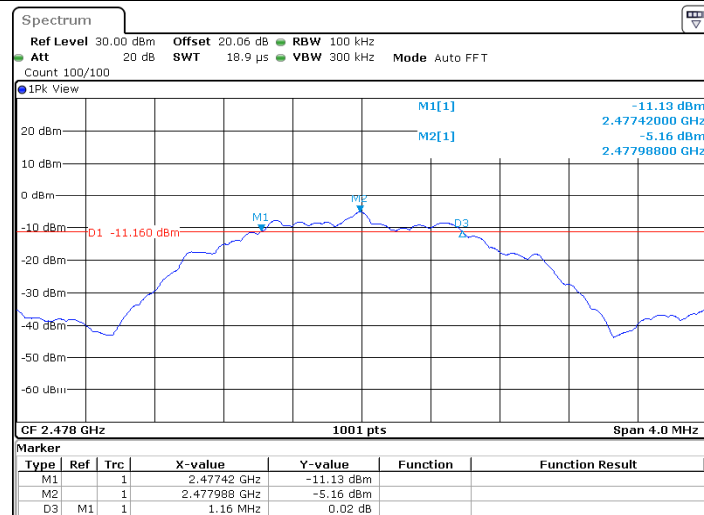
BLE_2M_Ant1_2440



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 29.APR.2025 14:24:42

BLE_2M_Ant1_2478



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

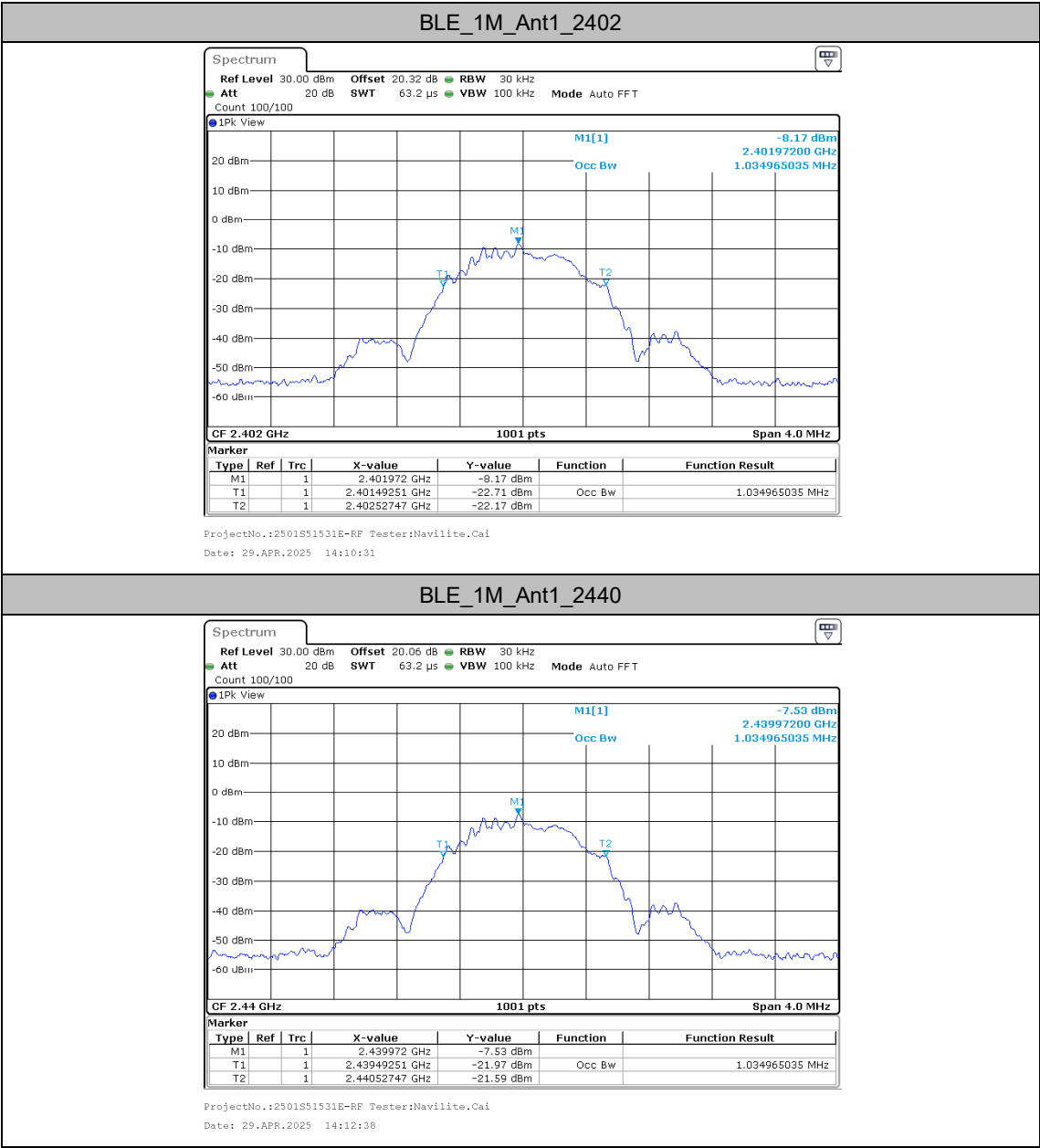
Date: 29.APR.2025 14:25:57

Occupied Channel Bandwidth

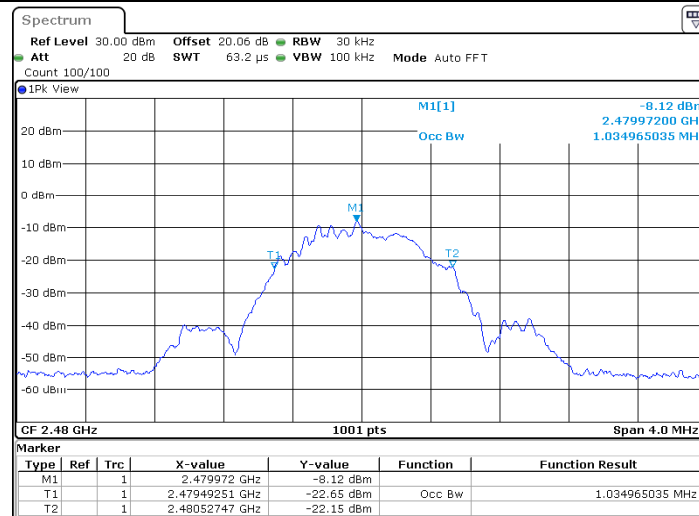
Test Result

Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.035	2401.4925	2402.5275
		2440	1.035	2439.4925	2440.5275
		2480	1.035	2479.4925	2480.5275
BLE_2M	Ant1	2404	2.058	2402.9930	2405.0509
		2440	2.058	2438.9930	2441.0509
		2478	2.058	2476.9930	2479.0509

Test Graphs



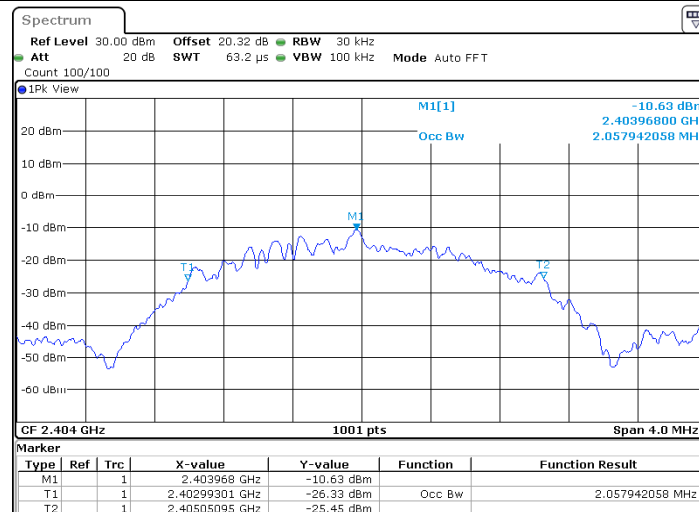
BLE_1M_Ant1_2480



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 29.APR.2025 14:16:41

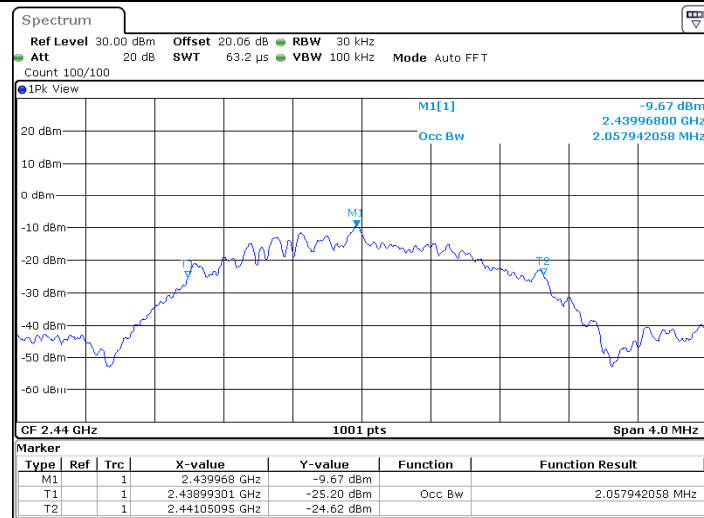
BLE_2M_Ant1_2404



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 29.APR.2025 14:19:49

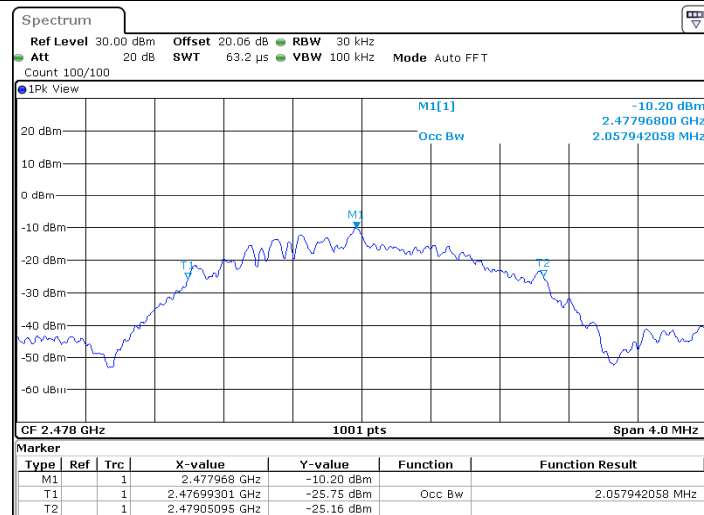
BLE_2M_Ant1_2440



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 29.APR.2025 14:24:48

BLE_2M_Ant1_2478



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 29.APR.2025 14:26:03

Maximum conducted output power

Test Result Peak

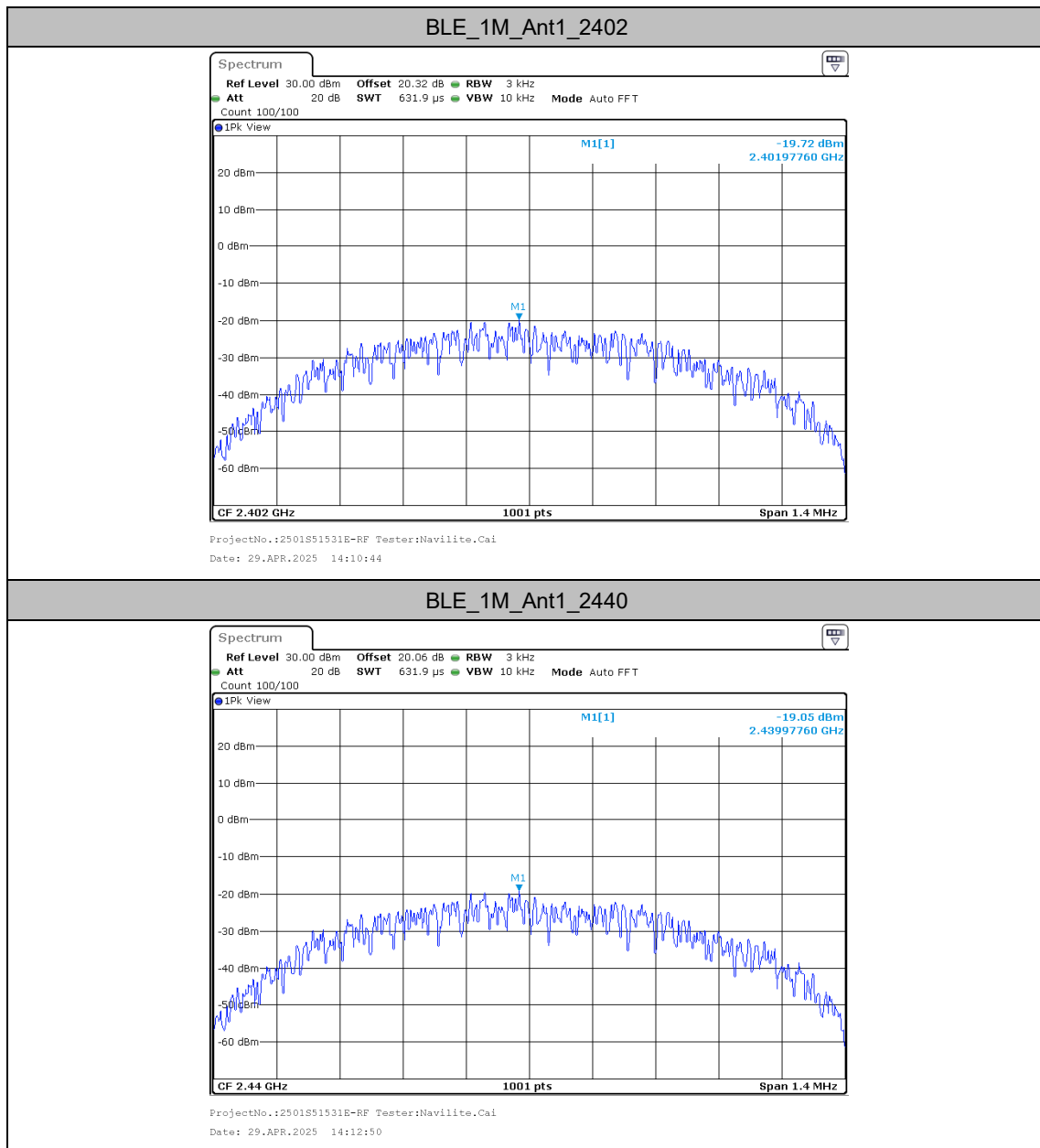
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.08	≤30	-3.79	≤36	PASS
		2440	-3.38	≤30	-3.09	≤36	PASS
		2480	-4.00	≤30	-3.71	≤36	PASS
BLE_2M	Ant1	2404	-4.42	≤30	-4.13	≤36	PASS
		2440	-3.40	≤30	-3.11	≤36	PASS
		2478	-3.99	≤30	-3.70	≤36	PASS

Maximum power spectral density

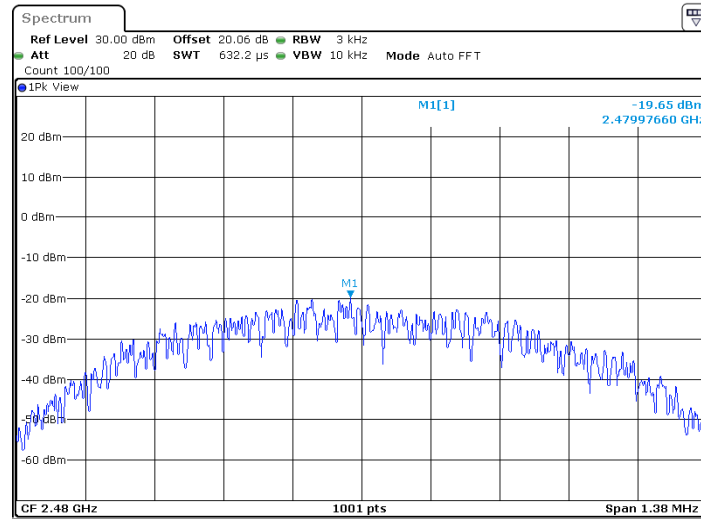
Test Result

Test Mode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.72	≤8.00	PASS
		2440	-19.05	≤8.00	PASS
		2480	-19.65	≤8.00	PASS
BLE_2M	Ant1	2404	-22.20	≤8.00	PASS
		2440	-21.22	≤8.00	PASS
		2478	-21.78	≤8.00	PASS

Test Graphs

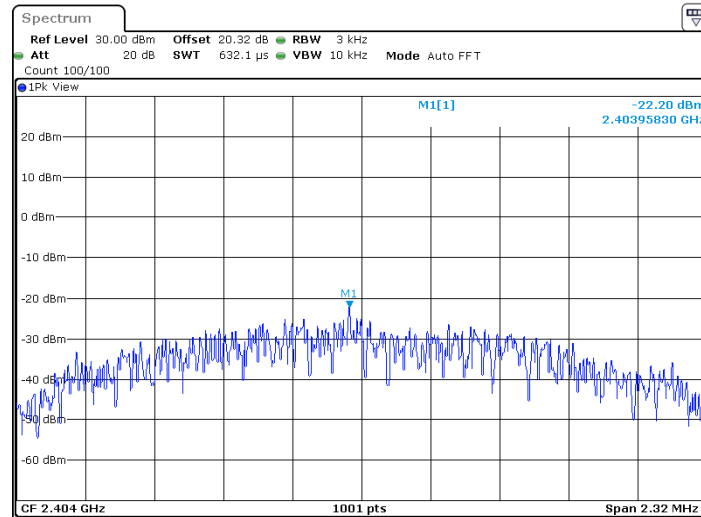


BLE_1M_Ant1_2480



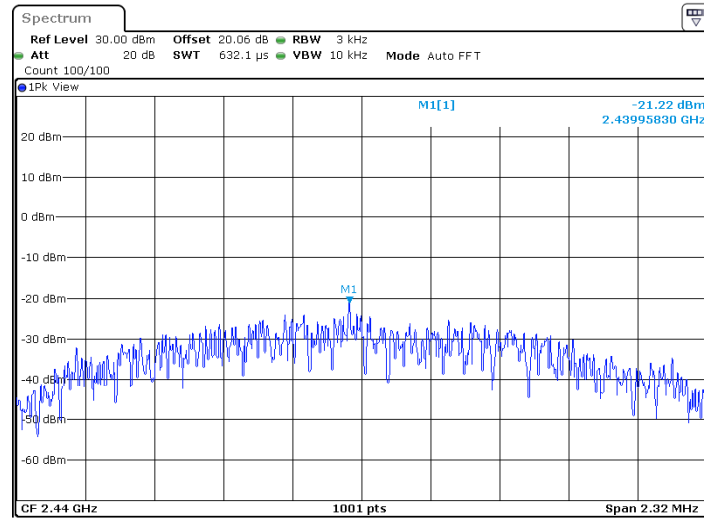
ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
 Date: 29.APR.2025 14:16:54

BLE_2M_Ant1_2404



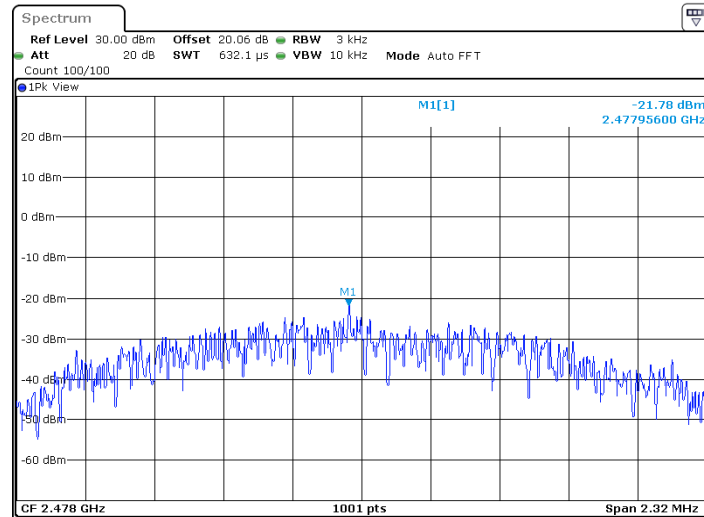
ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
 Date: 29.APR.2025 14:20:02

BLE_2M_Ant1_2440



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
Date: 29.APR.2025 14:25:26

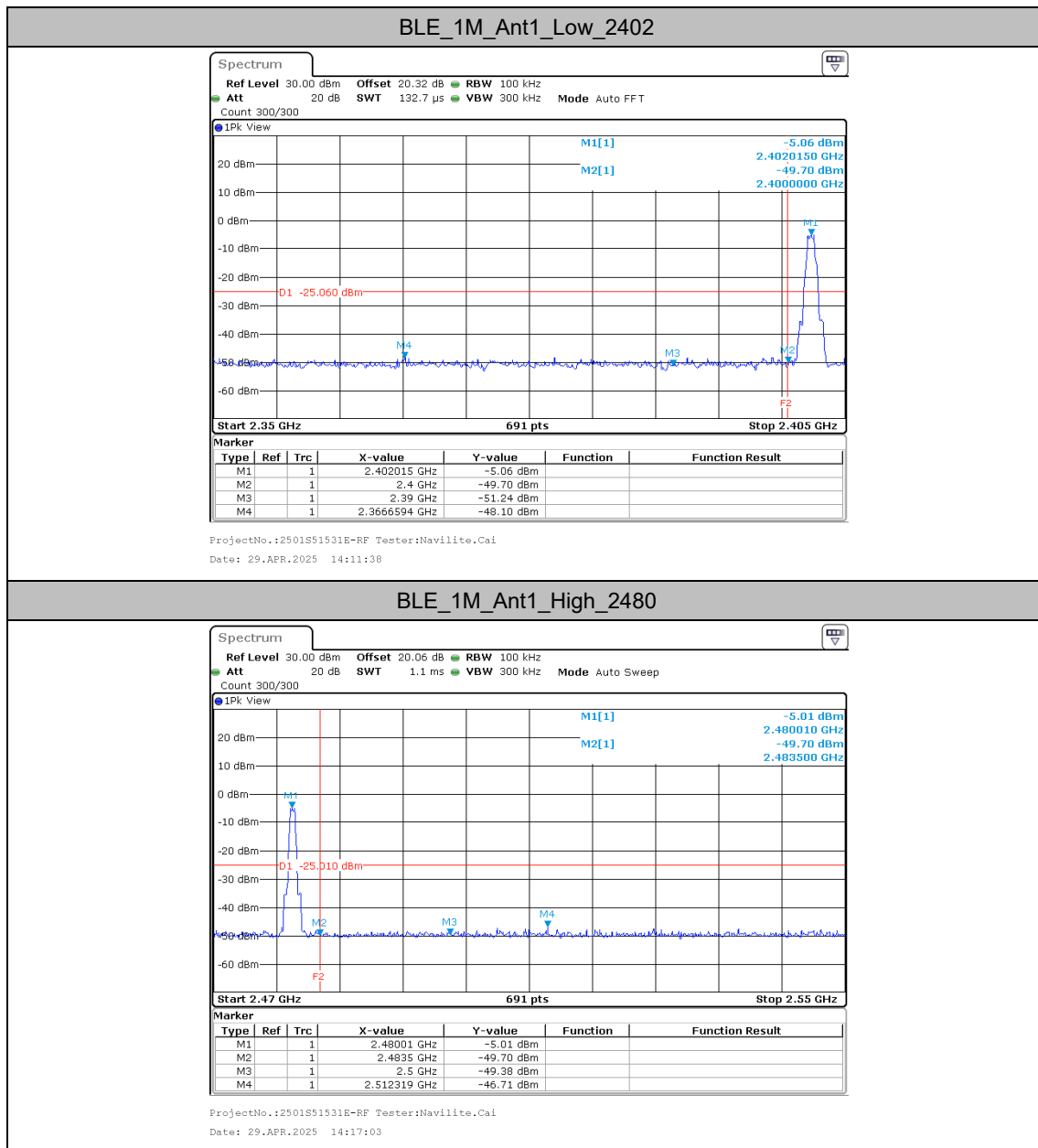
BLE_2M_Ant1_2478



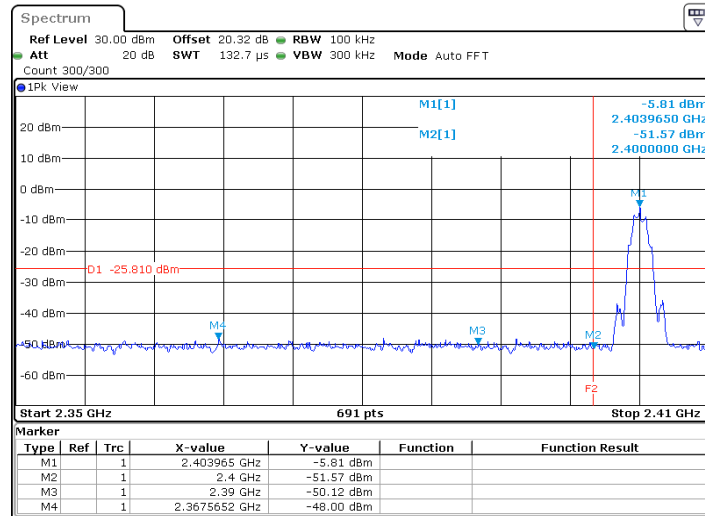
ProjectNo.:2501S51531E-RF Tester:Navillite,Cai
Date: 29.APR.2025 14:26:15

Band edge measurements

Test Graphs



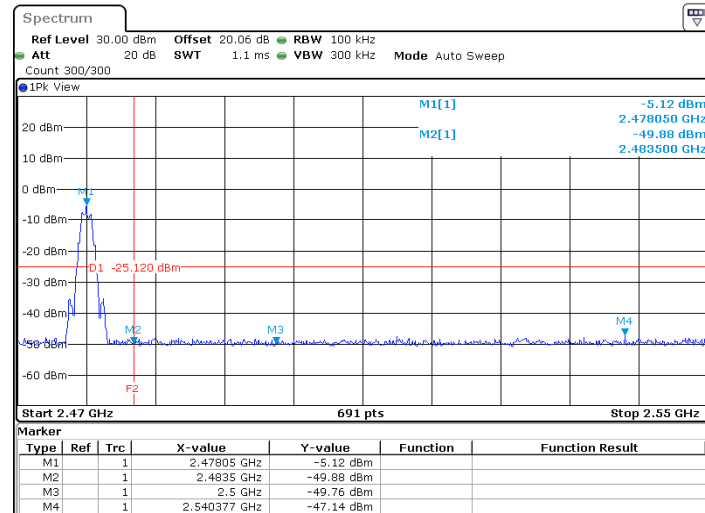
BLE_2M_Ant1_Low_2404



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai

Date: 19.MAY.2025 17:23:04

BLE_2M_Ant1_High_2478



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai

Date: 29.APR.2025 14:26:24

Duty Cycle

Test Result

Test Mode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	DC Factor	1/Ton [Hz]	VBW Setting [kHz]
BLE_1M	Ant1	2440	0.38	0.63	60.32	2.20	2632	3
BLE_2M	Ant1	2440	0.20	0.63	31.75	4.98	5000	5

Test Graphs

