

Appendix B



RF Test: General Information

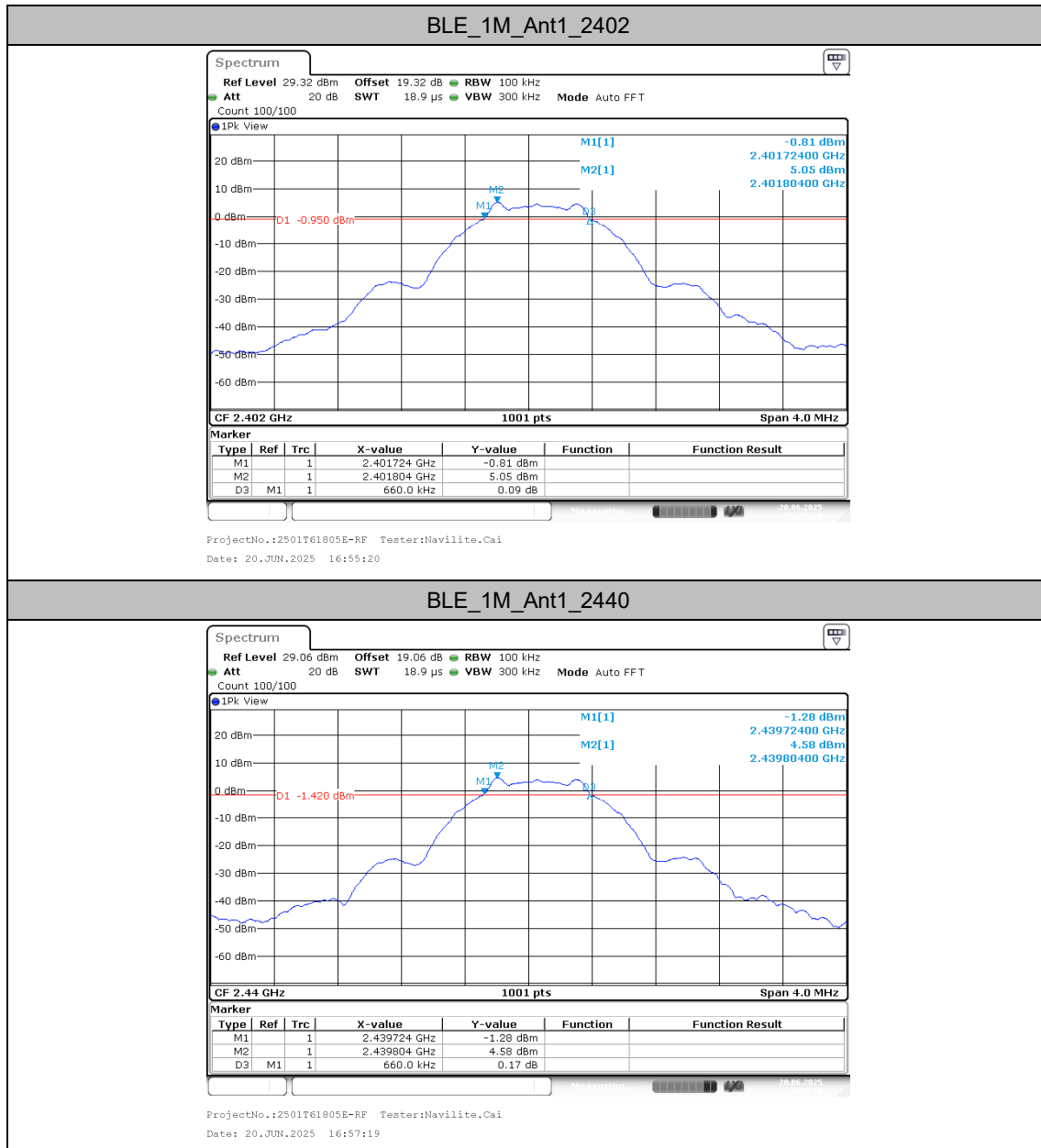
Project No.:	2501T61805E-RF
EUT Number:	33M8-2
Operating Mode:	Transmitting
Test Conditions:	Temperature: <u>25</u> °C Relative Humidity: <u>55</u> % ATM Pressure: <u>101.4</u> kPa
Test Engineer:	<i>Navilife - Cai</i>
Test Date:	2025-6-20

DTS Bandwidth

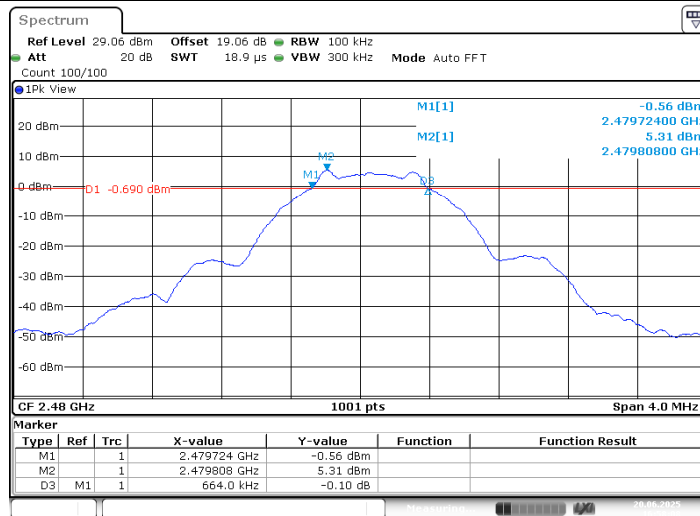
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.724	2402.384	0.5	PASS
		2440	0.660	2439.724	2440.384	0.5	PASS
		2480	0.664	2479.724	2480.388	0.5	PASS
BLE_2M	Ant1	2402	1.136	2401.480	2402.616	0.5	PASS
		2440	1.132	2439.484	2440.616	0.5	PASS
		2480	1.132	2479.484	2480.616	0.5	PASS

Test Graphs

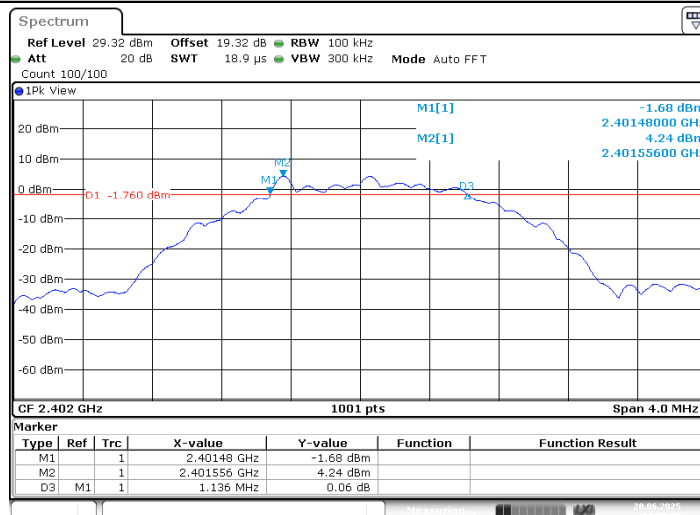


BLE_1M_Ant1_2480



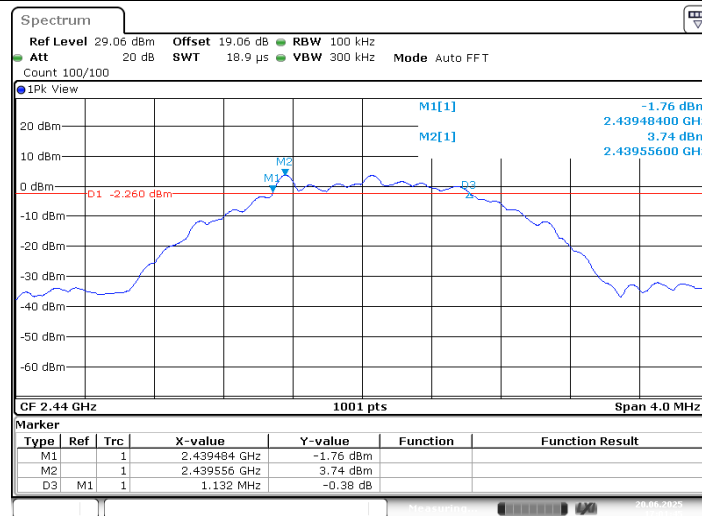
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
Date: 20.JUN.2025 16:58:08

BLE_2M_Ant1_2402



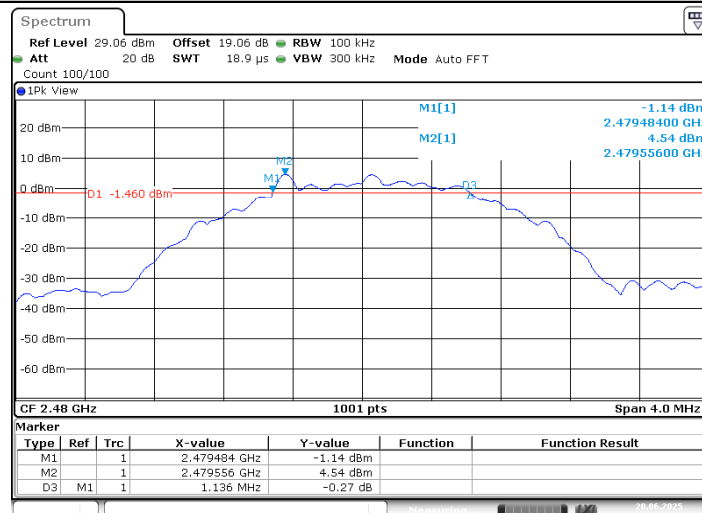
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
Date: 20.JUN.2025 17:00:21

BLE_2M_Ant1_2440



ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:01:45

BLE_2M_Ant1_2480



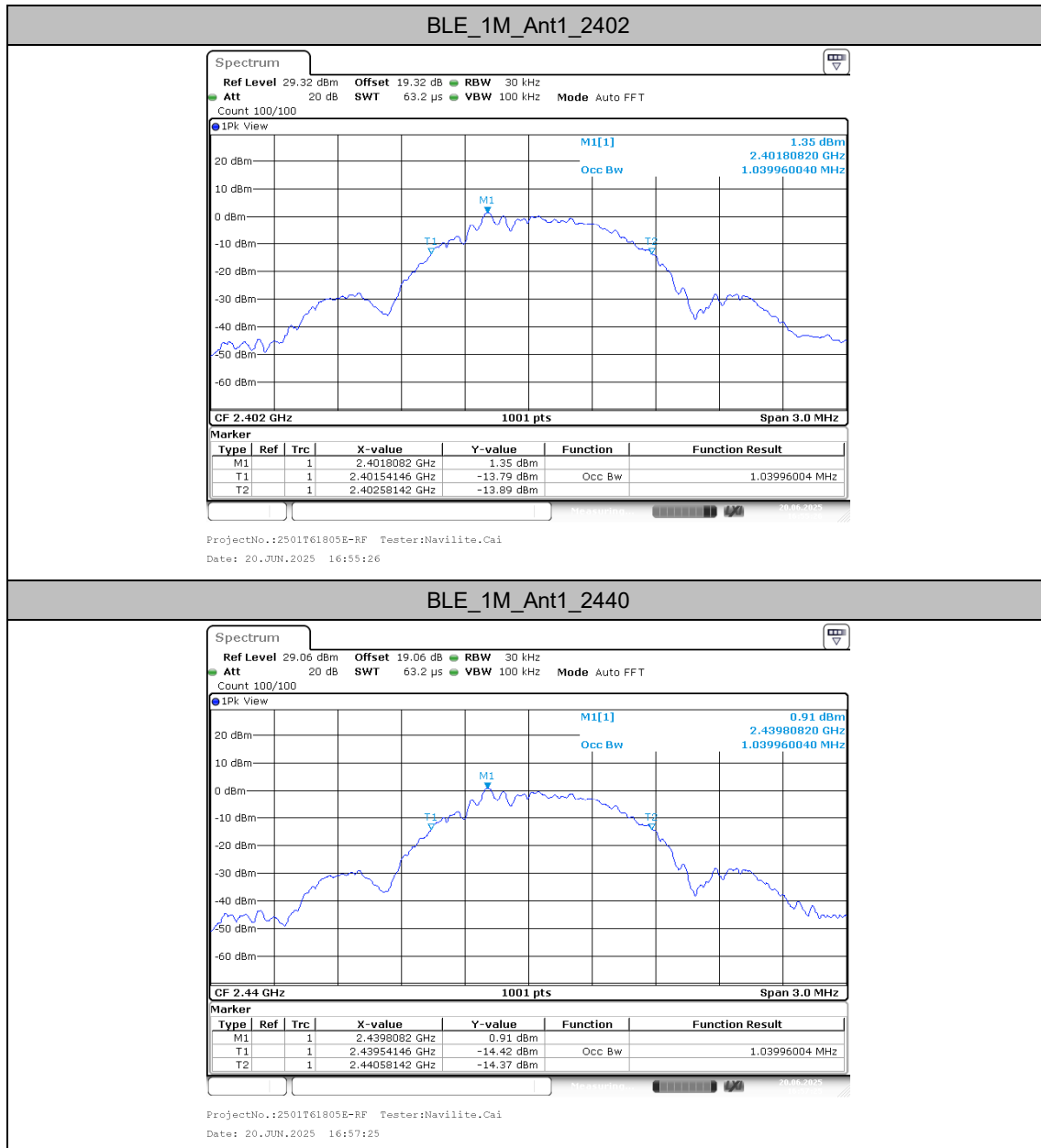
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:02:36

Occupied Channel Bandwidth

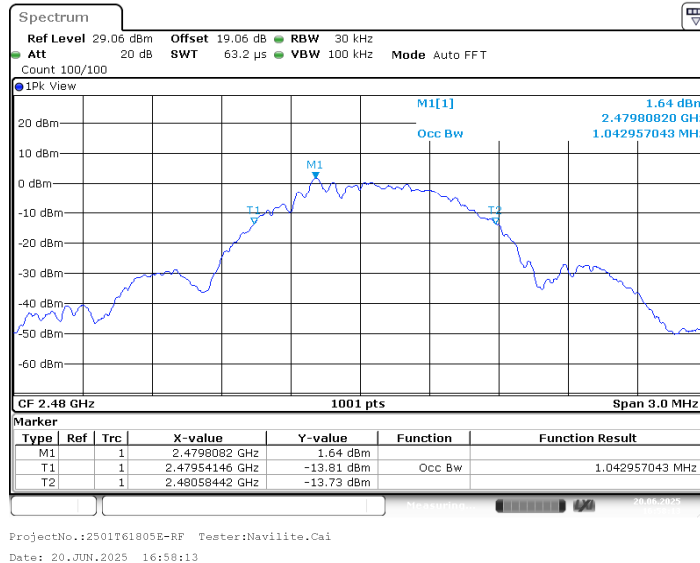
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.04	2401.5415	2402.5814	---	---
		2440	1.04	2439.5415	2440.5814	---	---
		2480	1.043	2479.5415	2480.5844	---	---
BLE_2M	Ant1	2402	1.914	2401.1049	2403.0190	---	---
		2440	1.918	2439.1049	2441.0230	---	---
		2480	1.918	2479.1049	2481.0230	---	---

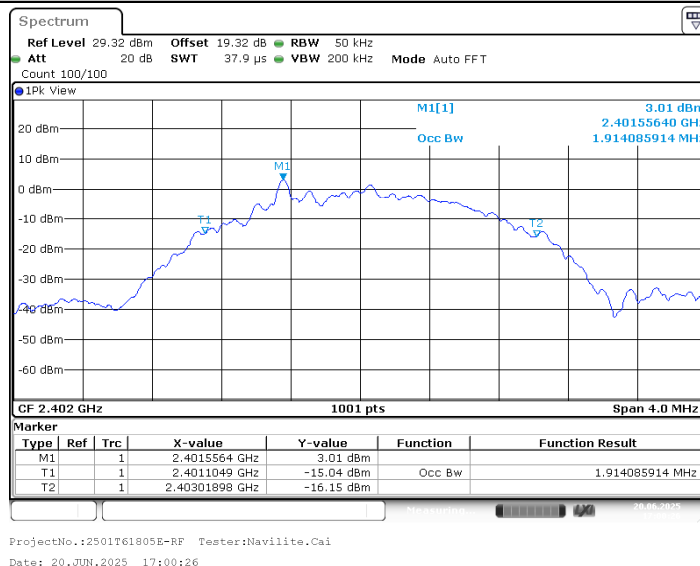
Test Graphs



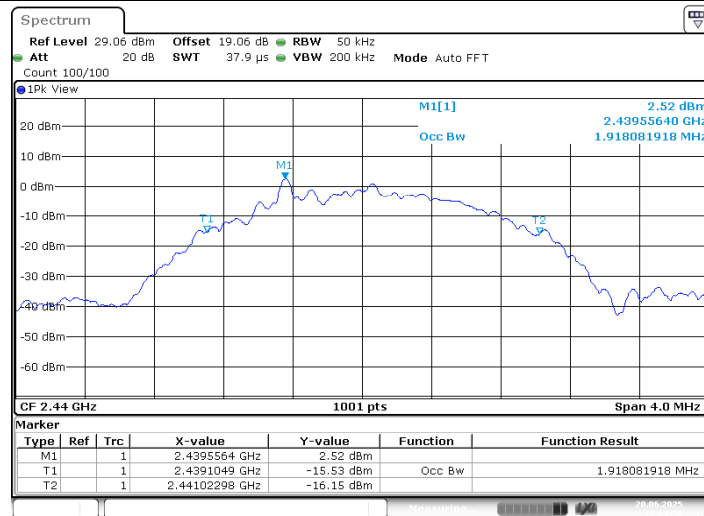
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402

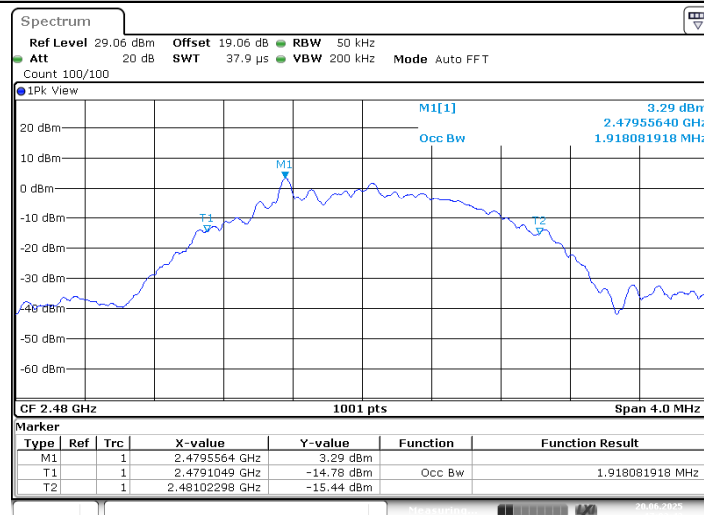


BLE_2M_Ant1_2440



ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:01:50

BLE_2M_Ant1_2480



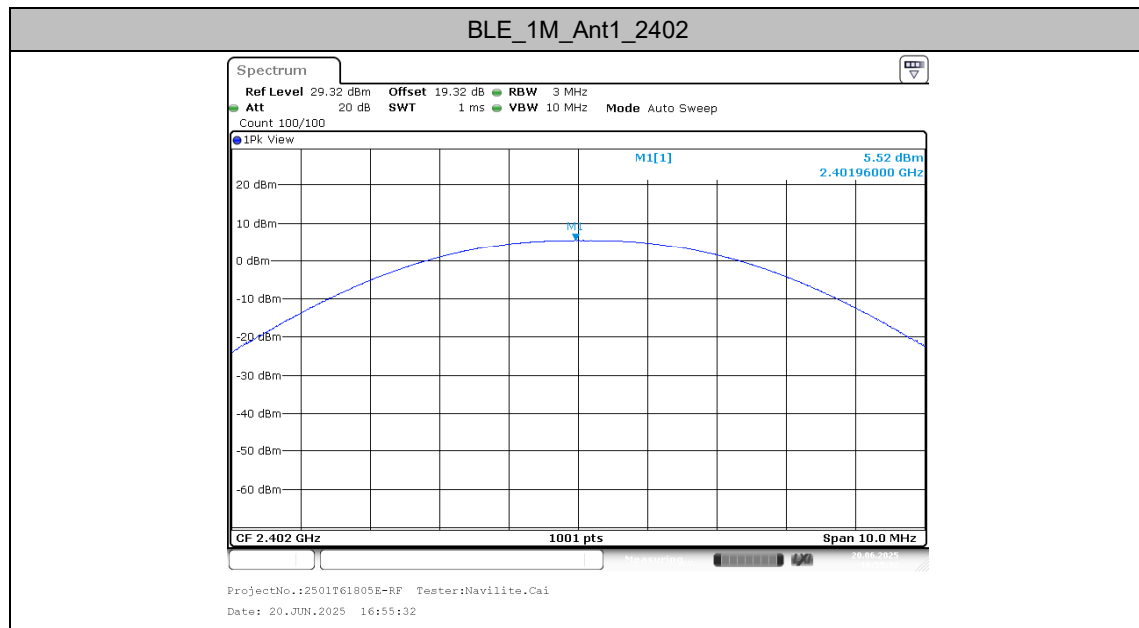
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:02:42

Maximum conducted output power

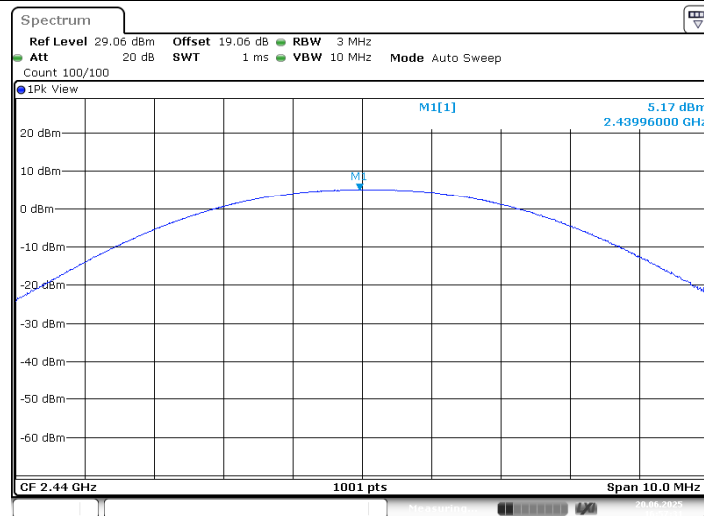
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.52	≤30	PASS
		2440	5.17	≤30	PASS
		2480	5.78	≤30	PASS
BLE_2M	Ant1	2402	5.36	≤30	PASS
		2440	4.94	≤30	PASS
		2480	5.66	≤30	PASS

Test Graphs Peak

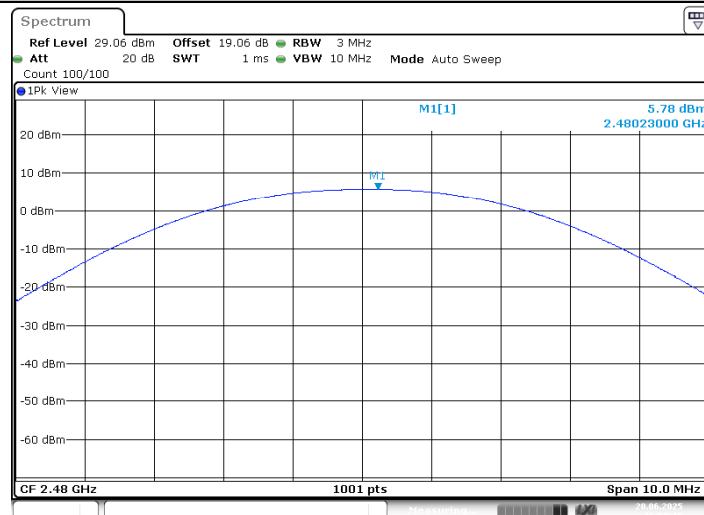


BLE_1M_Ant1_2440



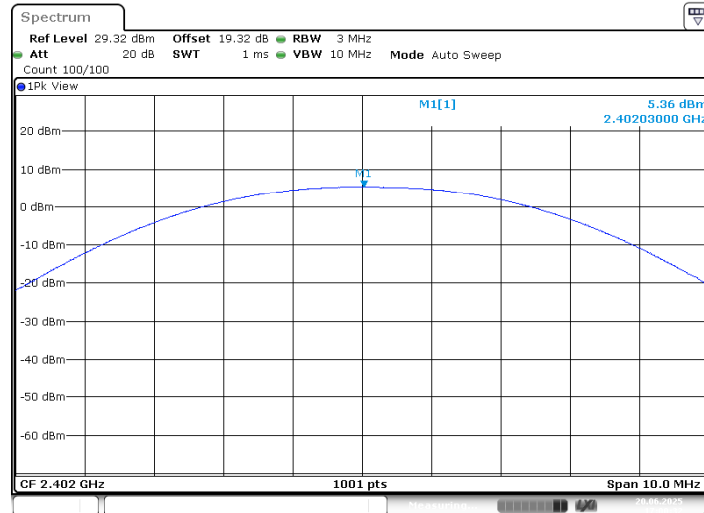
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 16:57:31

BLE_1M_Ant1_2480



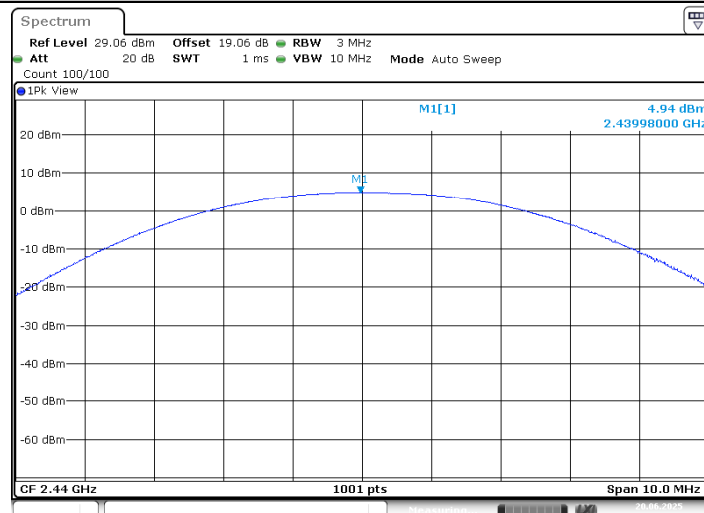
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 16:58:19

BLE_2M_Ant1_2402

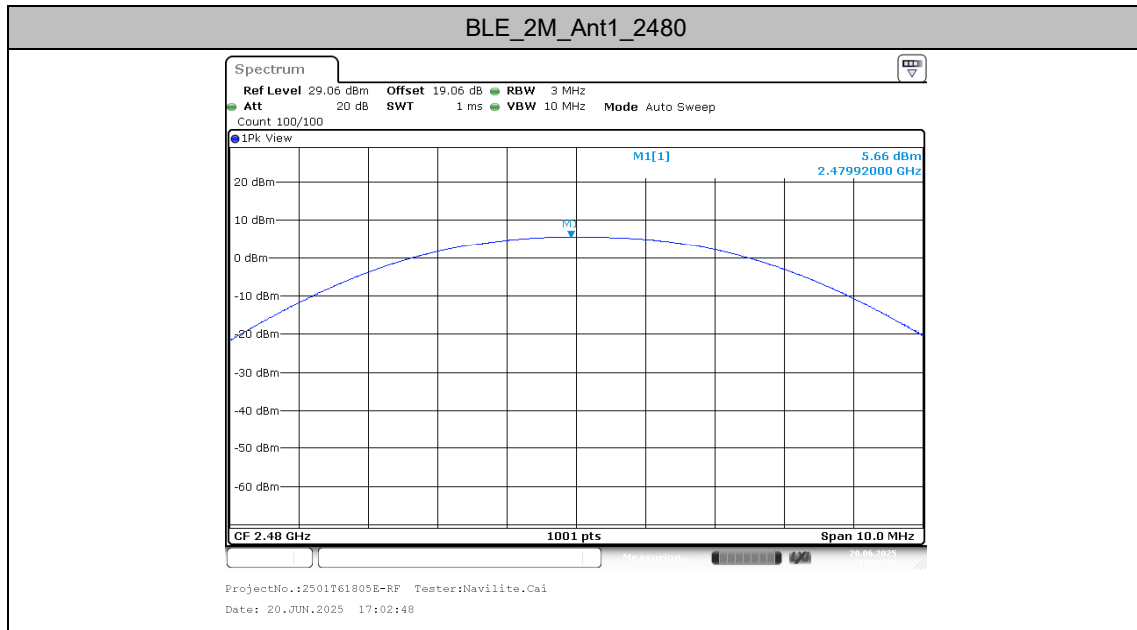


ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:00:32

BLE_2M_Ant1_2440



ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:01:57

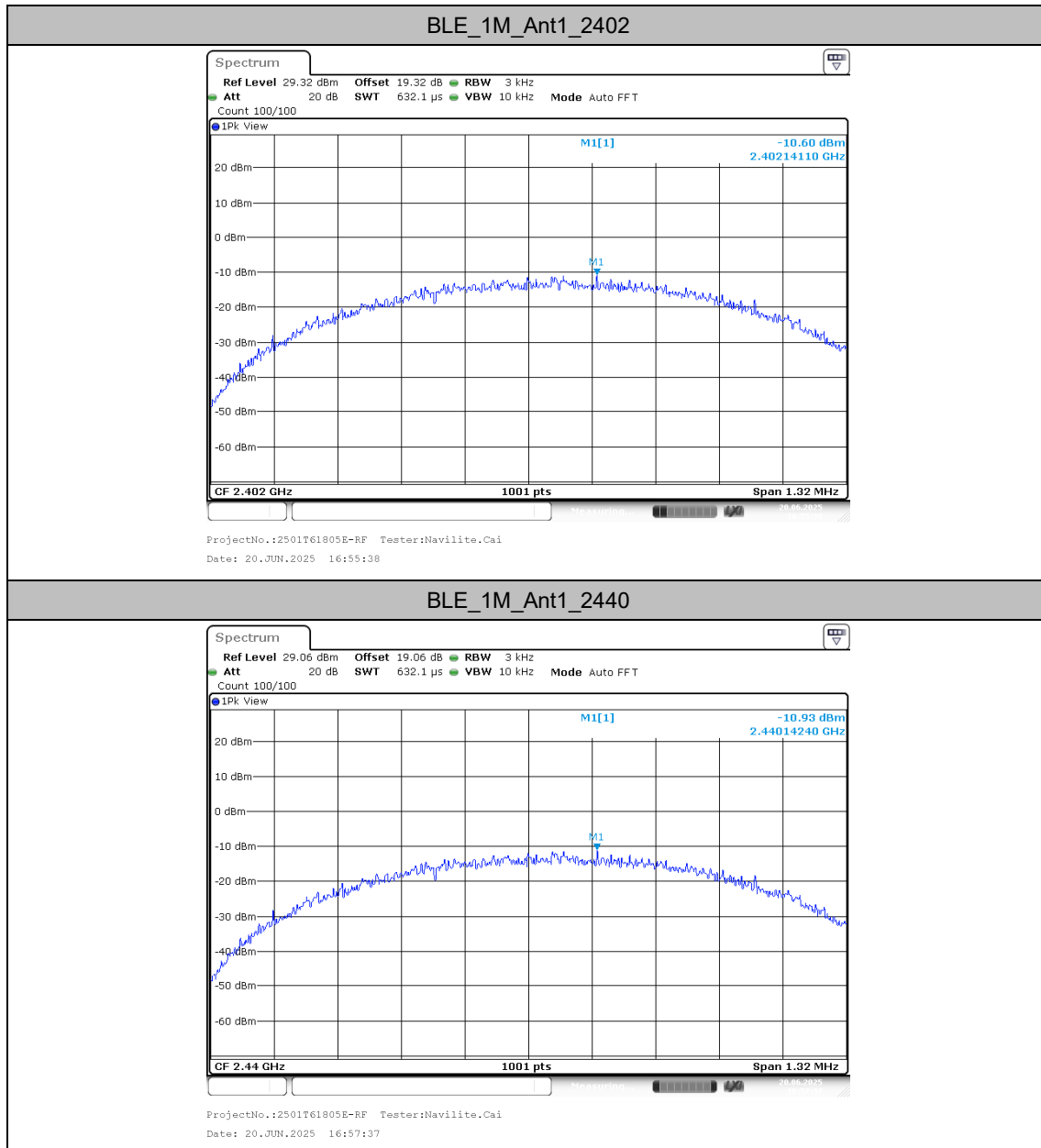


Maximum power spectral density

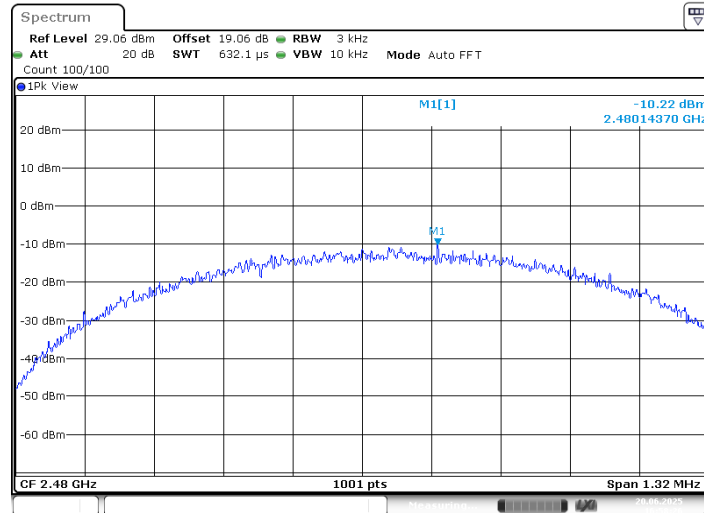
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.60	≤8.00	PASS
		2440	-10.93	≤8.00	PASS
		2480	-10.22	≤8.00	PASS
BLE_2M	Ant1	2402	-13.81	≤8.00	PASS
		2440	-14.28	≤8.00	PASS
		2480	-13.48	≤8.00	PASS

Test Graphs

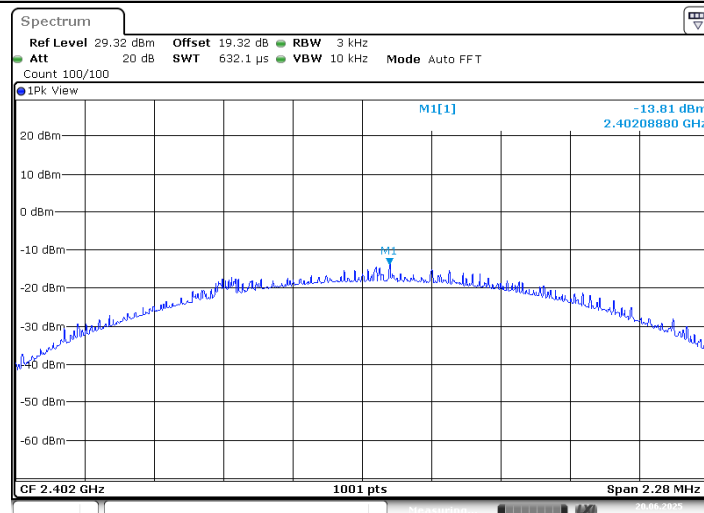


BLE_1M_Ant1_2480



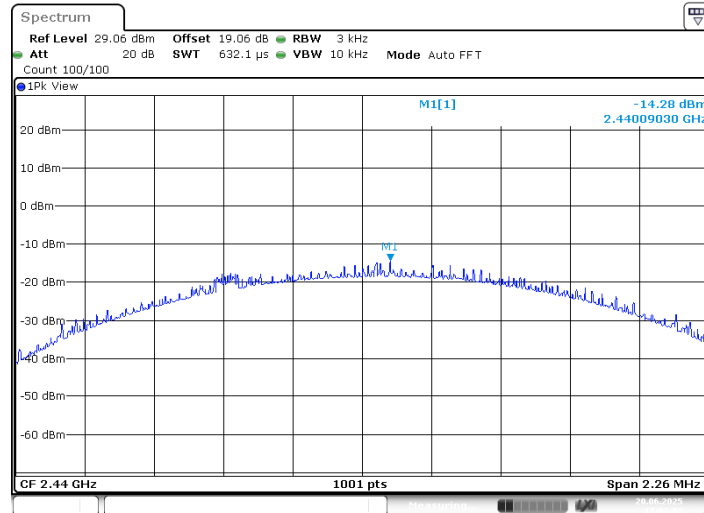
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 16:58:26

BLE_2M_Ant1_2402



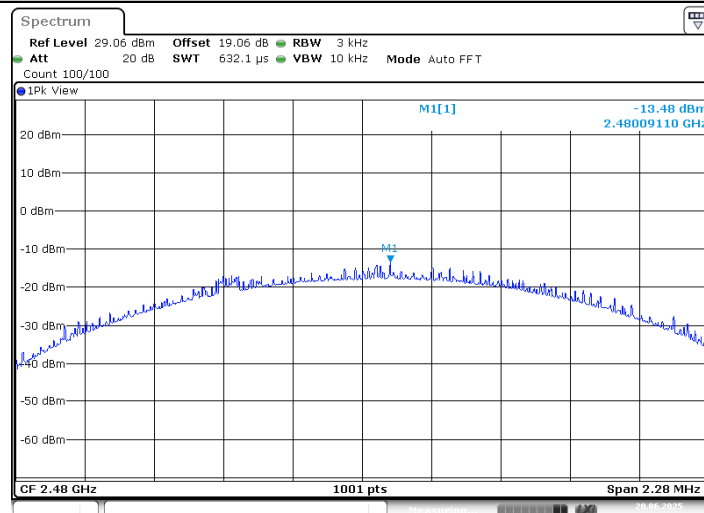
ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
 Date: 20.JUN.2025 17:00:39

BLE_2M_Ant1_2440



ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
Date: 20.JUN.2025 17:02:03

BLE_2M_Ant1_2480

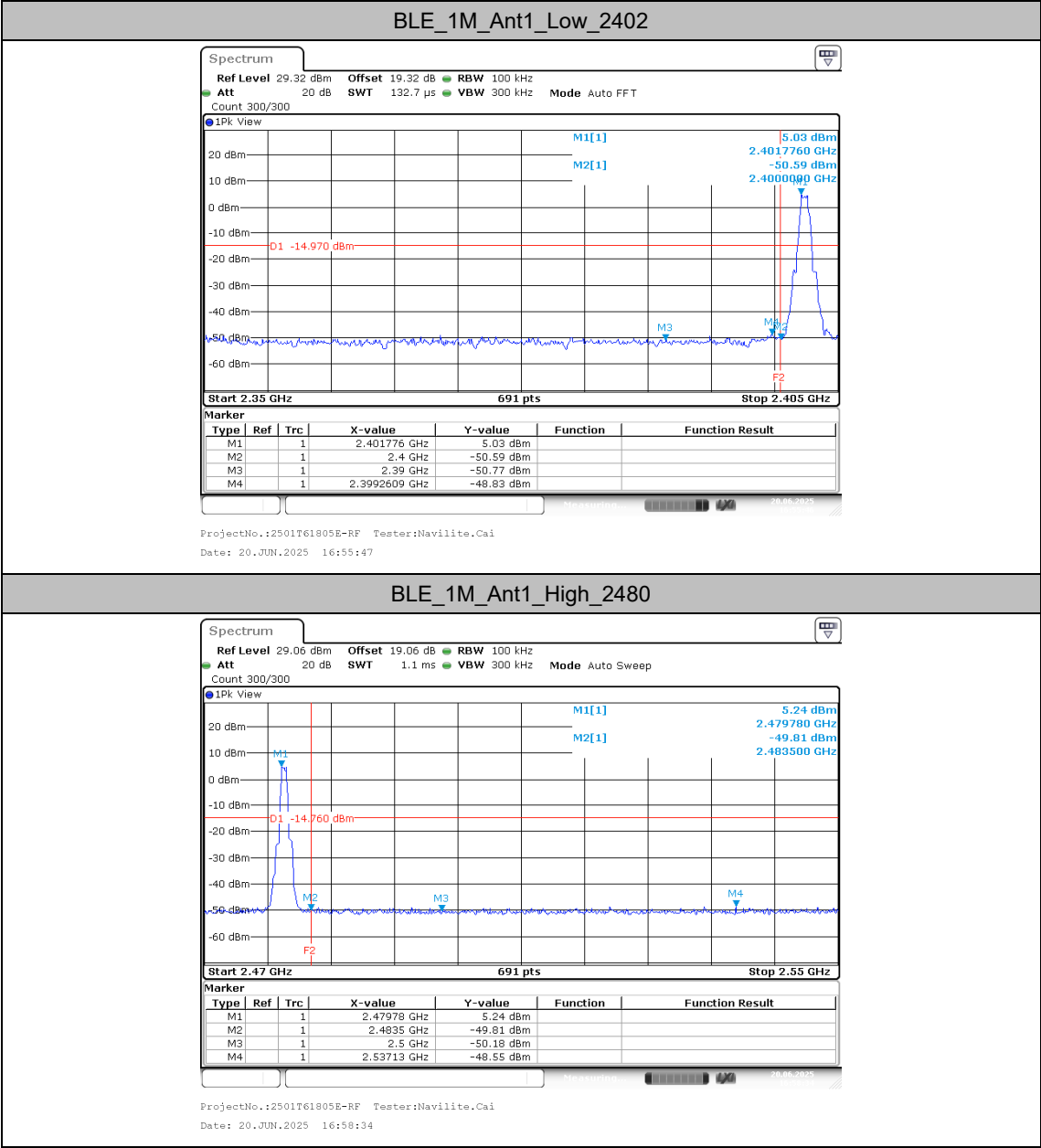


ProjectNo.:2501T61805E-RF Tester:Navilite,Cai
Date: 20.JUN.2025 17:02:54

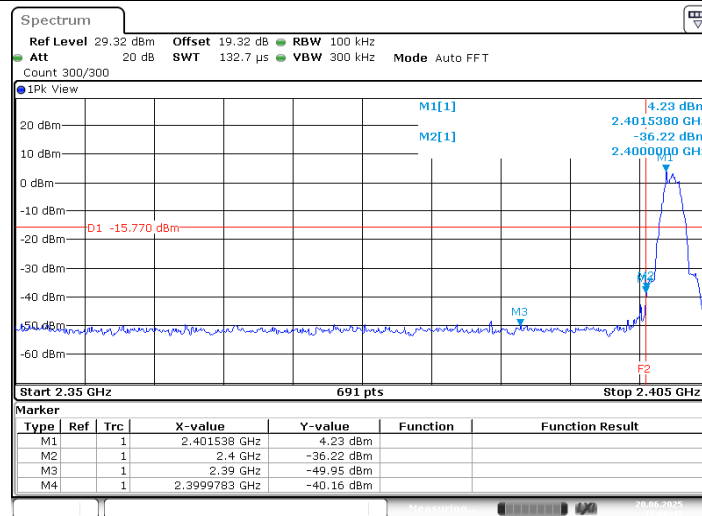
Band edge measurements

Test Result

Test Graphs

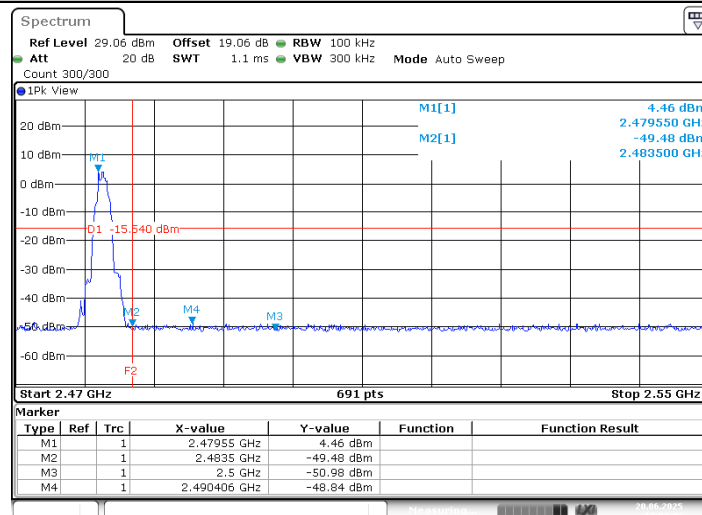


BLE_2M_Ant1_Low_2402



ProjectNo.:2501T61805E-RF Tester:Navilite.Cai
 Date: 20.JUN.2025 17:00:47

BLE_2M_Ant1_High_2480



ProjectNo.:2501T61805E-RF Tester:Navilite.Cai
 Date: 20.JUN.2025 17:03:03

Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/Ton(Hz)	VBW Setting(kHz)
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70	469	1
BLE_2M	Ant1	2440	1.08	1.25	86.40	0.63	926	1

Test Graphs

