

Test Information:

Sample No.:	2TEK-2	Test Date:	2024/11/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	27.4	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

BLE 1M

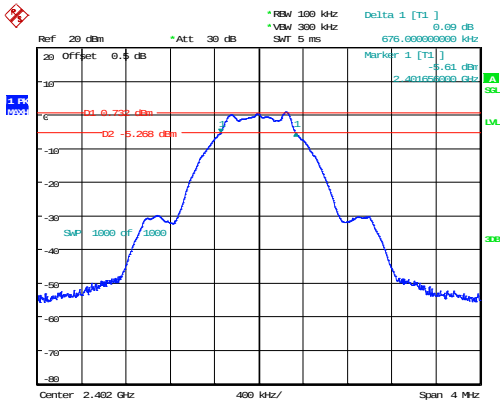
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.676	≥ 0.5	Pass
Middle	0.672	≥ 0.5	Pass
High	0.672	≥ 0.5	Pass

BLE 2M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.176	≥ 0.5	Pass
Middle	1.176	≥ 0.5	Pass
High	1.180	≥ 0.5	Pass

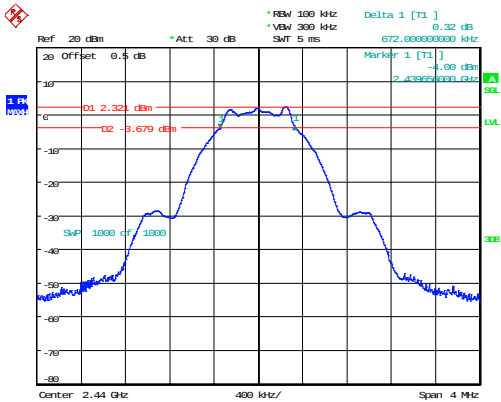
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:20:15

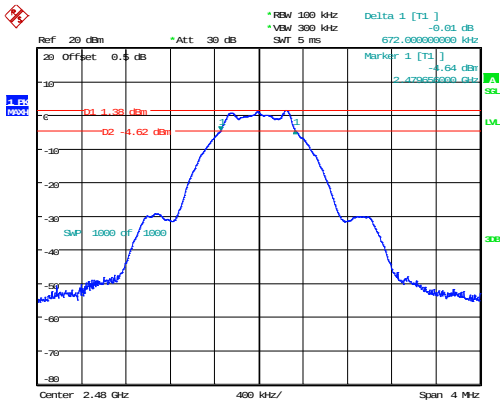
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:25:00

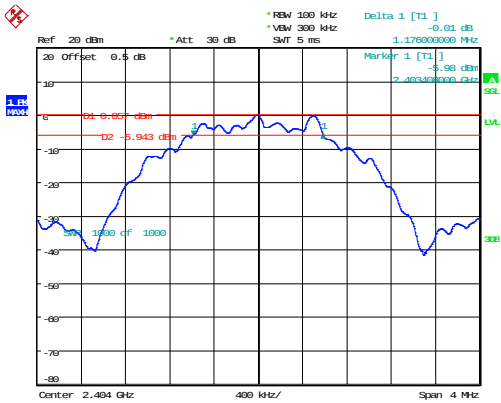
BLE 2M

BLE_1M_High_Channel



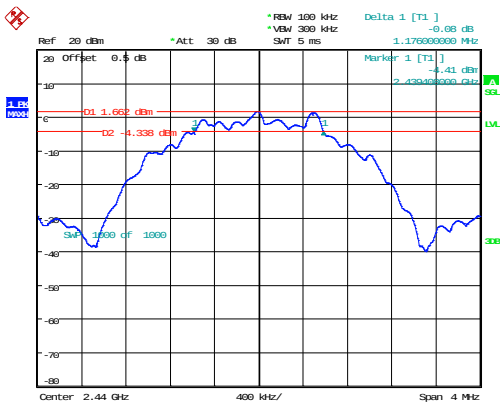
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:28:37

BLE_2M_Low_Channel



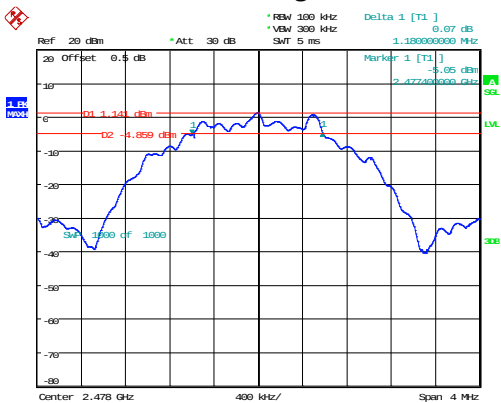
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:33:21

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:34:15

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:35:21

99% Occupied Bandwidth

BLE 1M

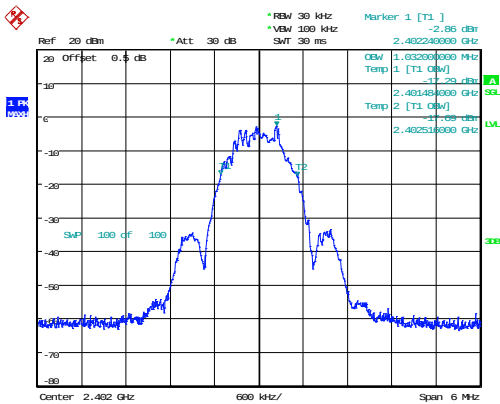
Channel	99% OBW (MHz)
Low	1.032
Middle	1.038
High	1.032

BLE 2M

Channel	99% OBW (MHz)
Low	2.064
Middle	2.064
High	2.064

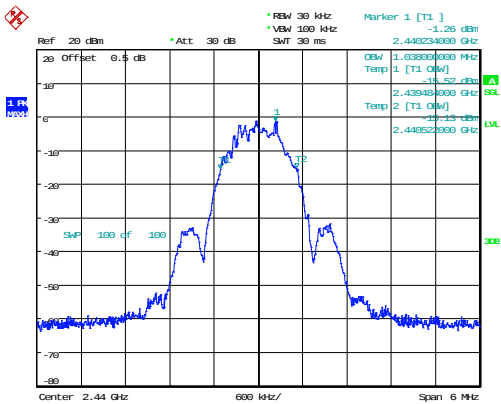
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:20:38

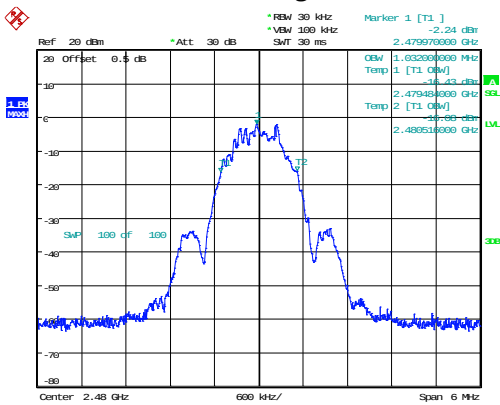
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:25:14

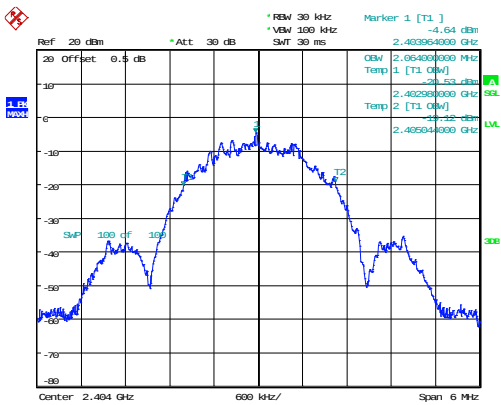
BLE 2M

BLE_1M_High_Channel



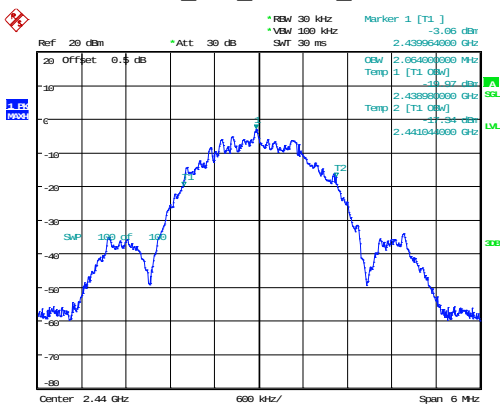
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:28:54

BLE_2M_Low_Channel



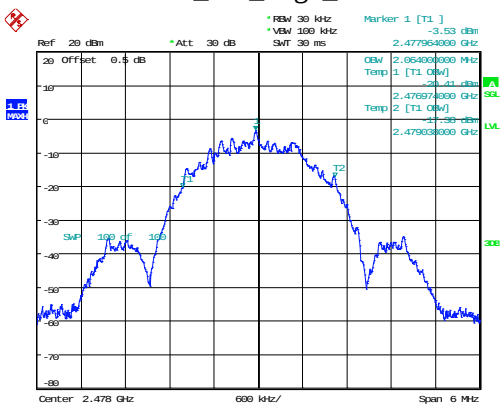
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:35:54

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:36:18

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:36:54

Maximum Conducted Output Power

BLE 1M

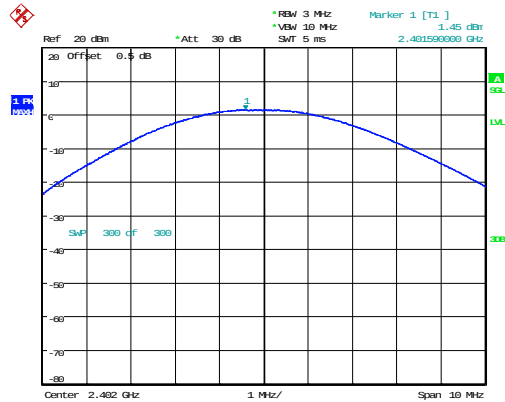
Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.45	30.00	Pass
Middle	3.05	30.00	Pass
High	2.18	30.00	Pass

BLE 2M

Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.44	30.00	Pass
Middle	3.05	30.00	Pass
High	2.59	30.00	Pass

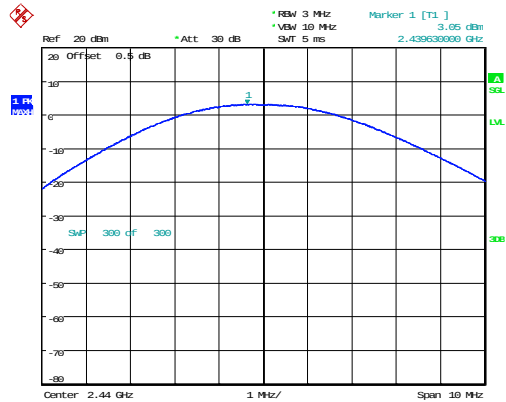
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:23:50

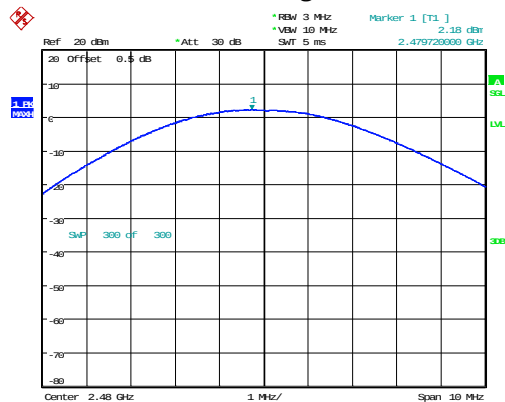
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:26:40

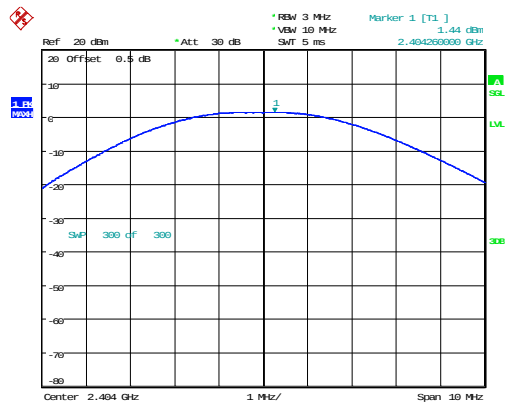
BLE 2M

BLE_1M_High_Channel



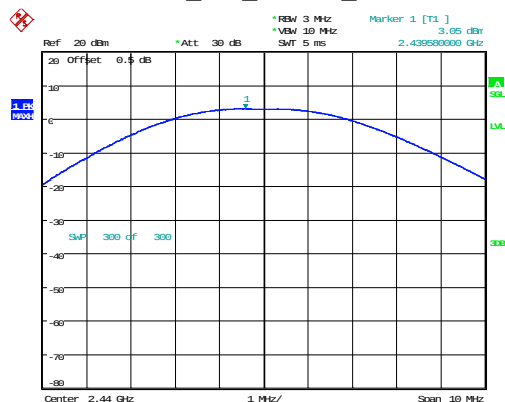
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:29:40

BLE_2M_Low_Channel



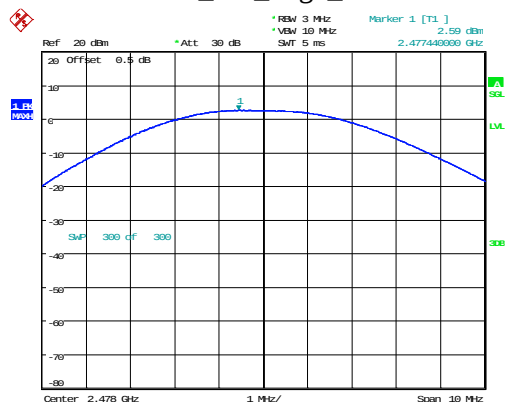
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:37:37

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:38:01

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:38:32

Power Spectral Density

BLE 1M

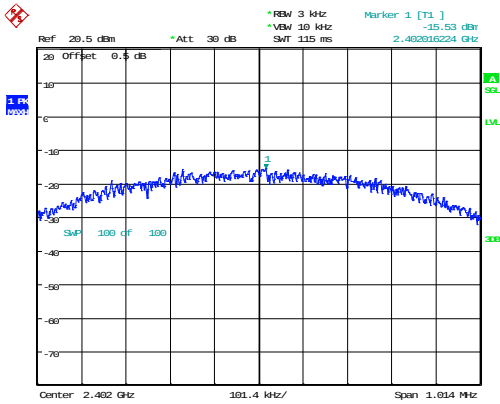
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-15.53	8	Pass
Middle	-13.91	8	Pass
High	-14.80	8	Pass

BLE 2M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-17.83	8	Pass
Middle	-16.22	8	Pass
High	-16.68	8	Pass

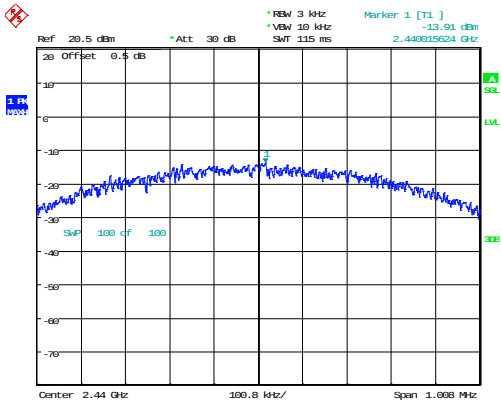
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:24:13

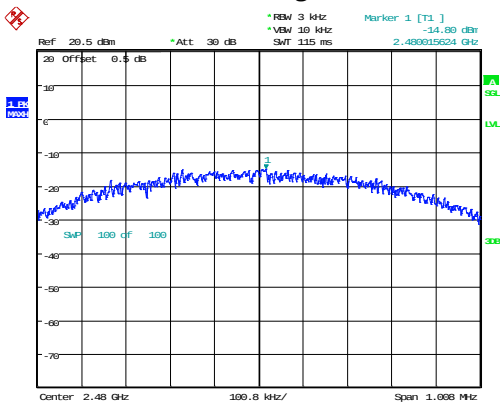
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:27:02

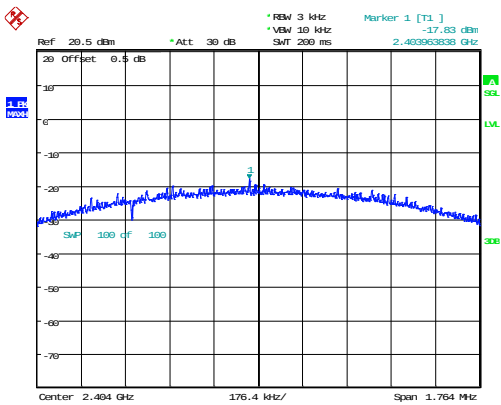
BLE 2M

BLE_1M_High_Channel



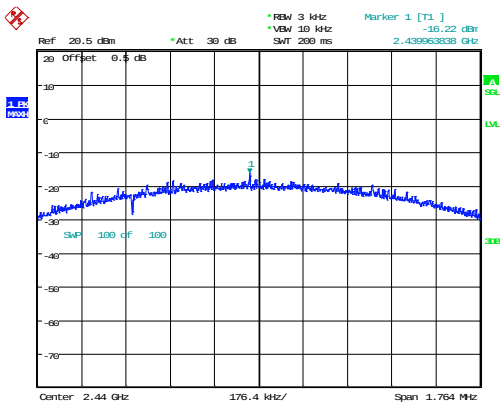
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:30:02

BLE_2M_Low_Channel



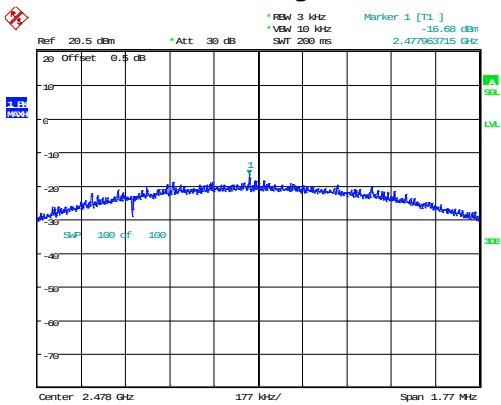
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 11:10:55

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 11:11:45

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 11:12:35

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

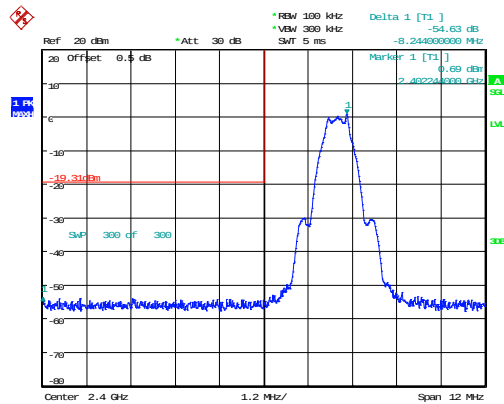
Channel	Result (dB)	Limit (dB)	Verdict
Low	54.63	20	Pass
High	54.80	20	Pass

BLE 2M

Channel	Result (dB)	Limit (dB)	Verdict
Low	53.33	20	Pass
High	53.54	20	Pass

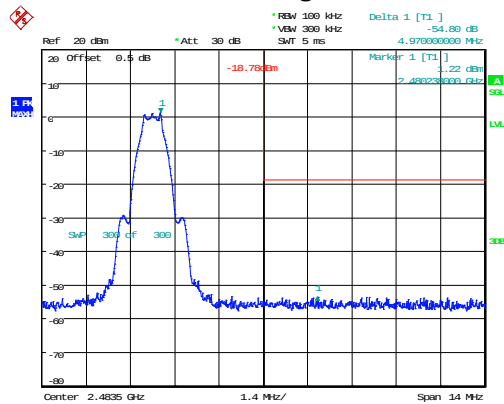
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:19:31

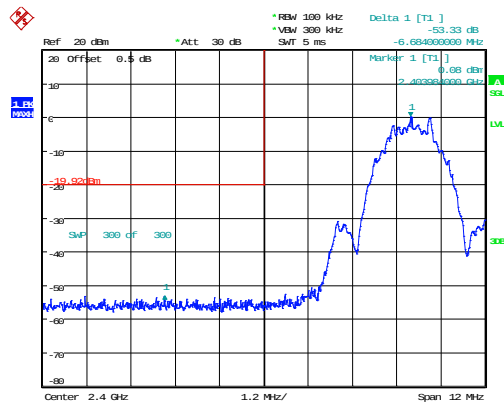
BLE_1M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 10:27:48

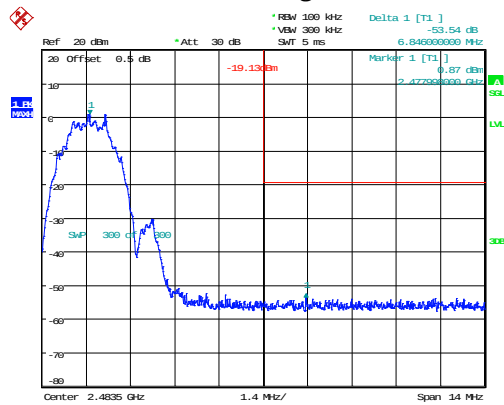
BLE 2M

BLE_2M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 11:08:55

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 18.NOV.2024 11:09:32

Duty Cycle

BLE 1M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.154	2.510	85.82	0.66	464	0.5

BLE 2M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.072	1.880	57.02	2.44	933	1

