

Test Information:

Sample No.:	2TEK-2	Test Date:	2024/11/01
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.4	Relative Humidity: (%)	51	ATM Pressure: (kPa)	100.3
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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

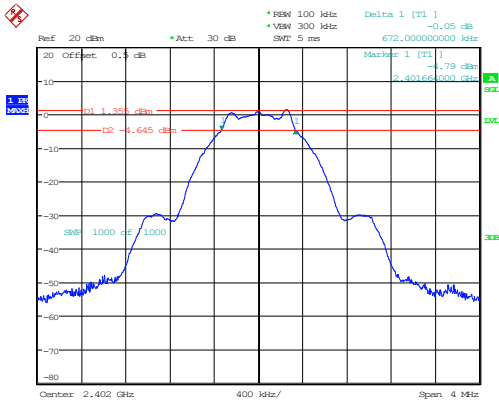
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.672	≥ 0.5	Pass
Middle	0.672	≥ 0.5	Pass
High	0.672	≥ 0.5	Pass

BLE 2M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.176	≥ 0.5	Pass
Middle	1.172	≥ 0.5	Pass
High	1.180	≥ 0.5	Pass

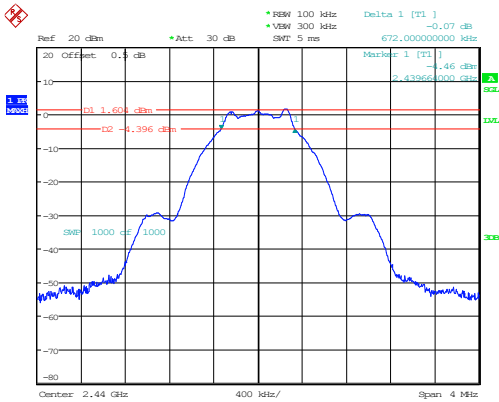
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:19:51

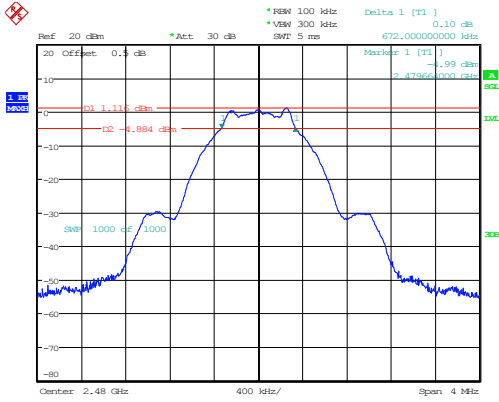
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:22:45

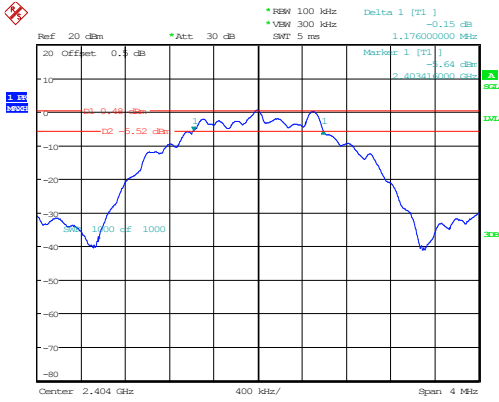
BLE 2M

BLE_1M_High_Channel



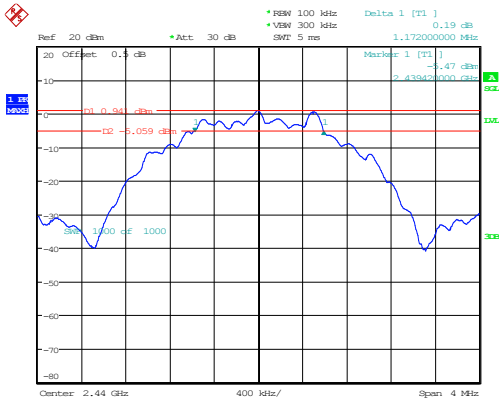
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:27:33

BLE_2M_Low_Channel



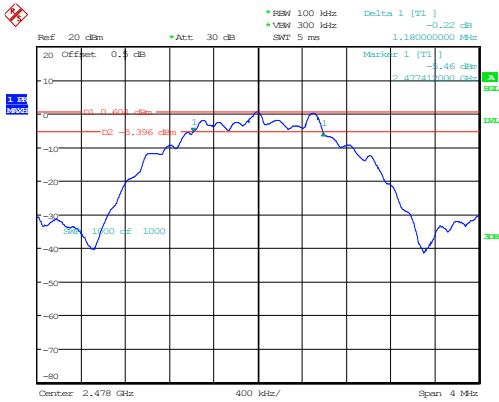
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:44:19

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:45:23

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:47:47

99% Occupied Bandwidth

BLE 1M

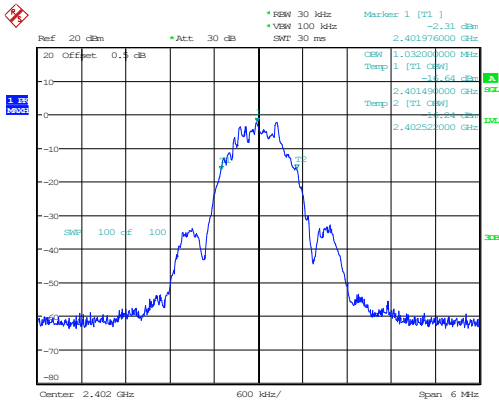
Channel	99% OBW (MHz)
Low	1.032
Middle	1.032
High	1.032

BLE 2M

Channel	99% OBW (MHz)
Low	2.058
Middle	2.064
High	2.064

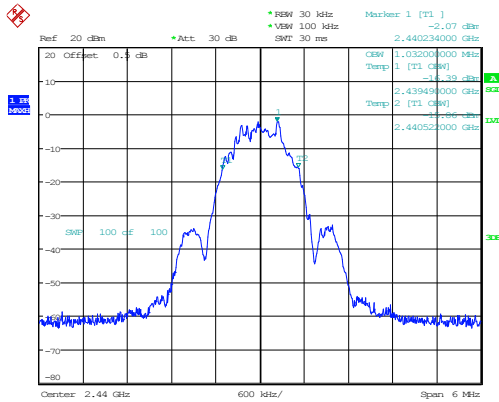
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:20:12

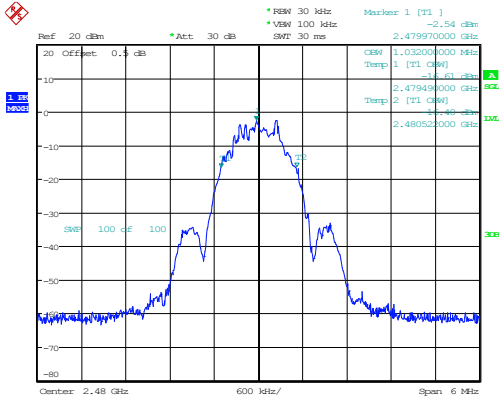
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:23:05

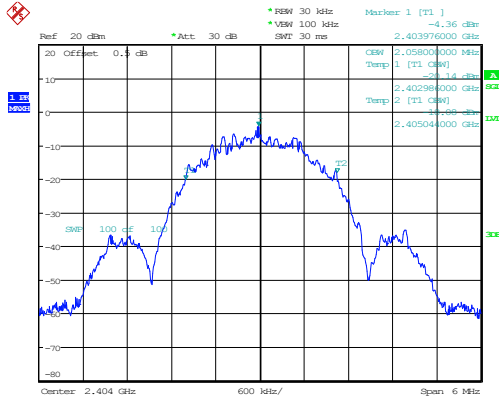
BLE 2M

BLE_1M_High_Channel



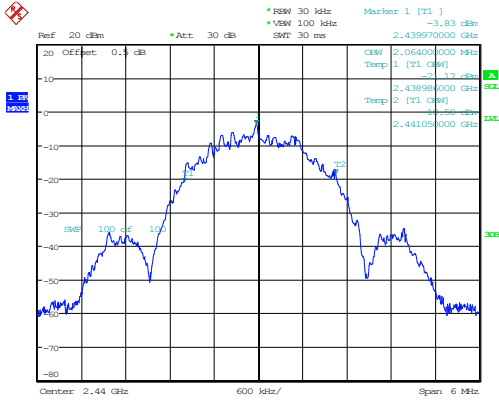
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:27:54

BLE_2M_Low_Channel



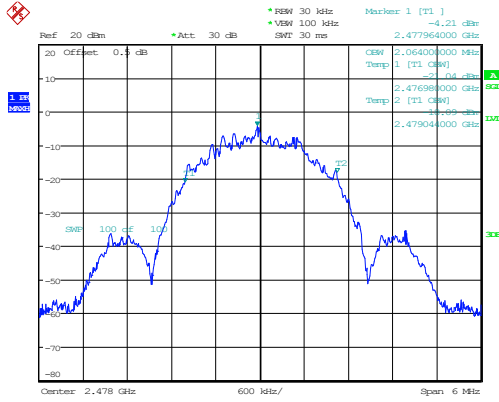
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:48:32

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:49:45

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:50:58

Maximum Conducted Output Power

BLE 1M

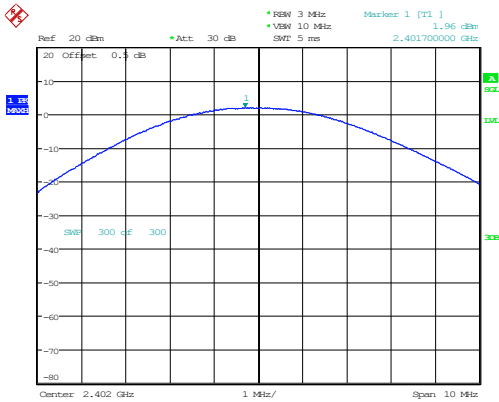
Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.96	30.00	Pass
Middle	2.20	30.00	Pass
High	1.74	30.00	Pass

BLE 2M

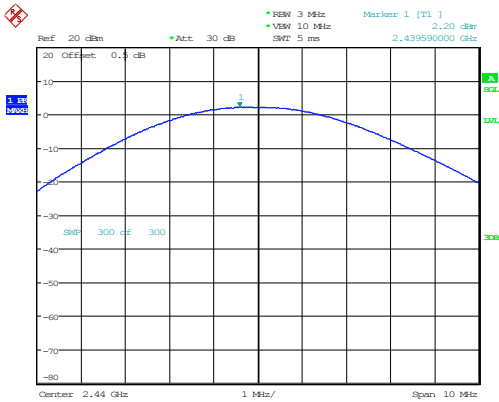
Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.77	30.00	Pass
Middle	2.25	30.00	Pass
High	1.93	30.00	Pass

BLE 1M

BLE_1M_Low_Channel

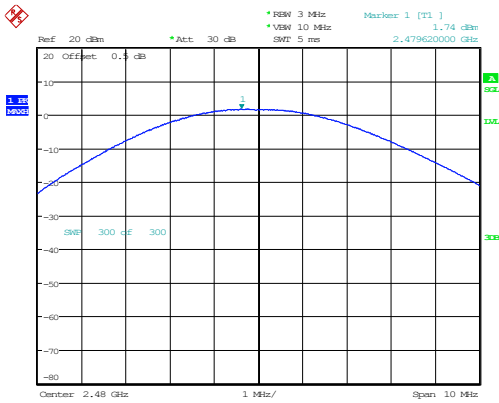


BLE_1M_Middle_Channel

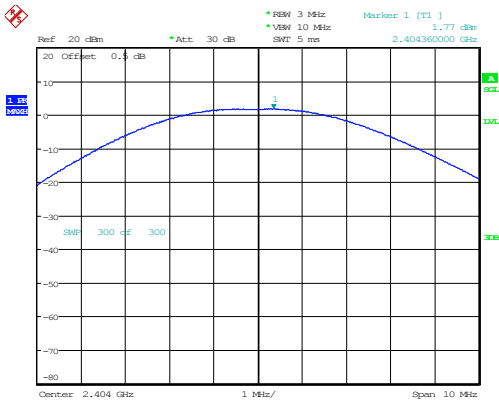


BLE 2M

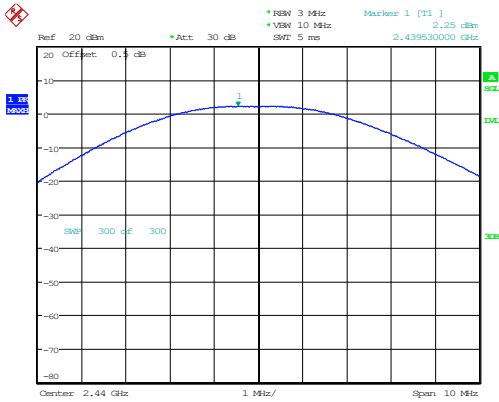
BLE_1M_High_Channel



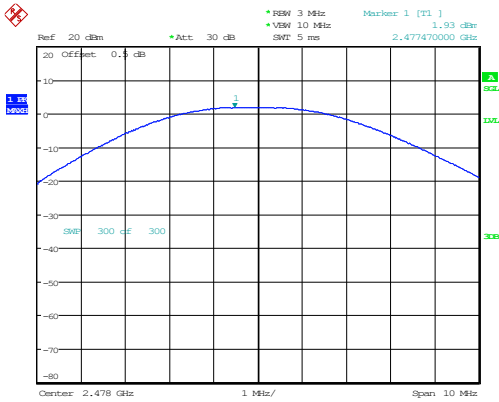
BLE_2M_Low_Channel



BLE_2M_Middle_Channel



BLE_2M_High_Channel



Power Spectral Density

BLE 1M

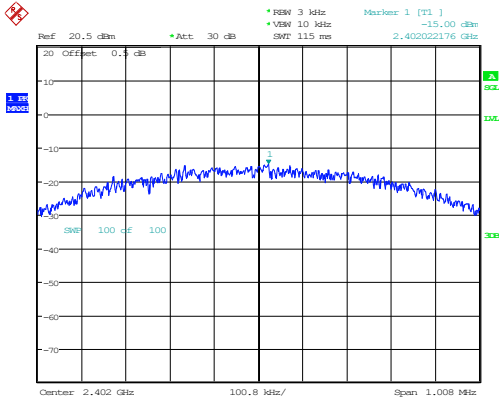
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-15.00	8	Pass
Middle	-14.76	8	Pass
High	-15.20	8	Pass

BLE 2M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-17.46	8	Pass
Middle	-17.04	8	Pass
High	-17.39	8	Pass

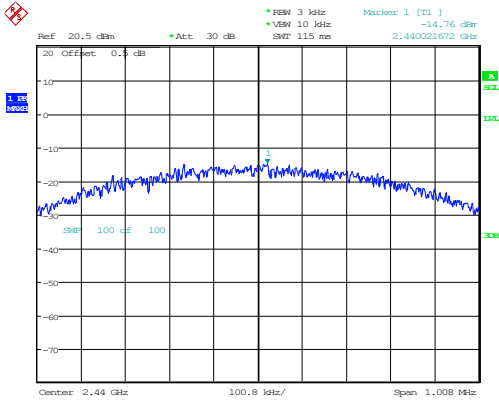
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:21:26

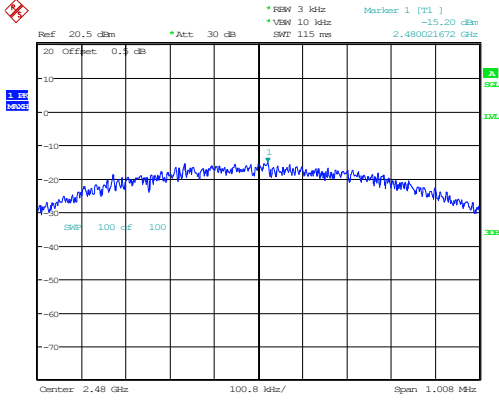
BLE_1M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:24:29

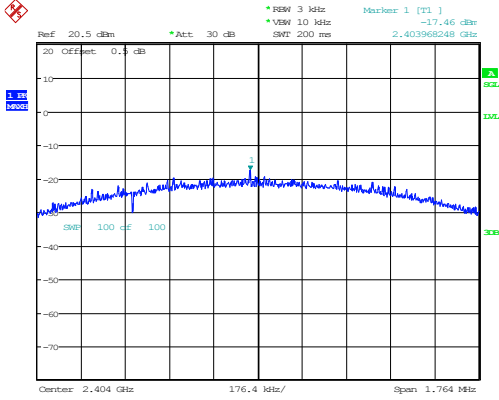
BLE 2M

BLE_1M_High_Channel



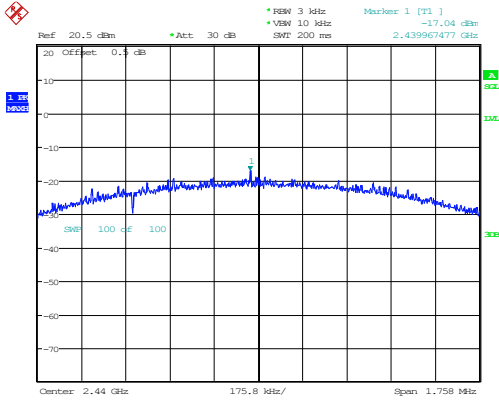
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:29:27

BLE_2M_Low_Channel



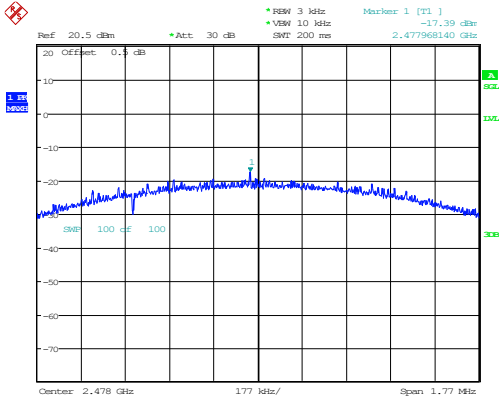
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:56:07

BLE_2M_Middle_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:56:46

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:57:41

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

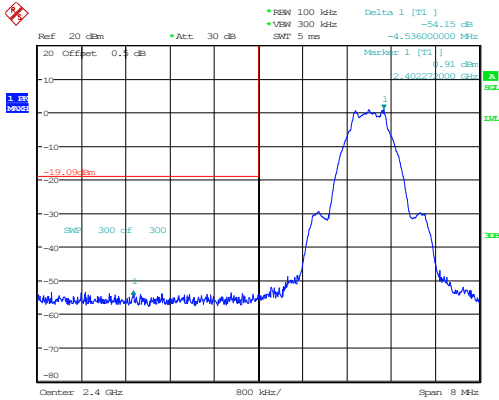
Channel	Result (dB)	Limit (dB)	Verdict
Low	54.15	20	Pass
High	54.29	20	Pass

BLE 2M

Channel	Result (dB)	Limit (dB)	Verdict
Low	53.12	20	Pass
Low	31.56	20	Pass
High	52.87	20	Pass

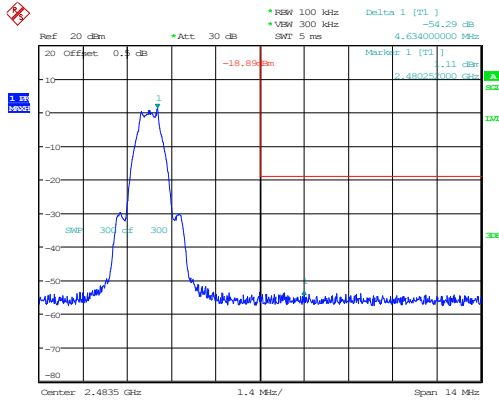
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:18:50

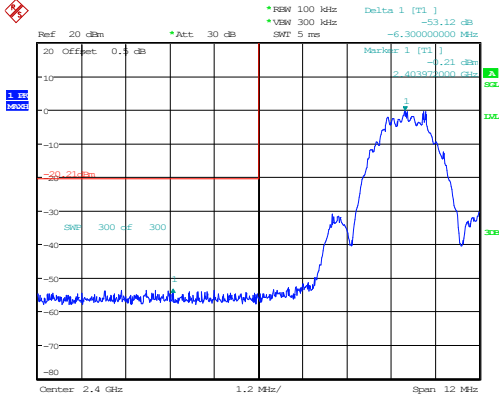
BLE_1M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:26:09

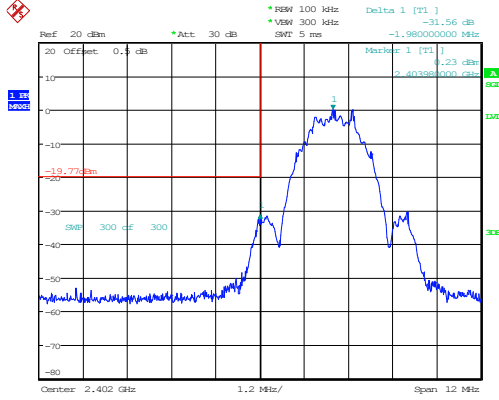
BLE 2M

BLE_2M_Low_Channel



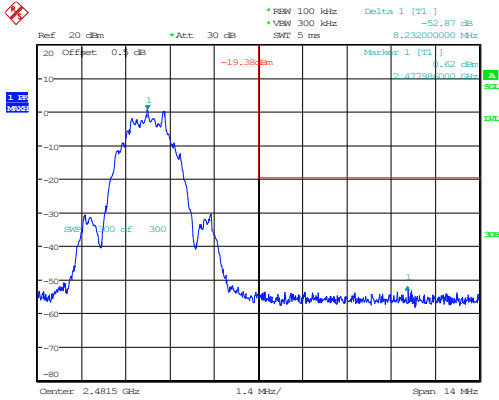
ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:33:46

BLE_2M_Low_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:53:53

BLE_2M_High_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:55:15

Duty Cycle

BLE 1M

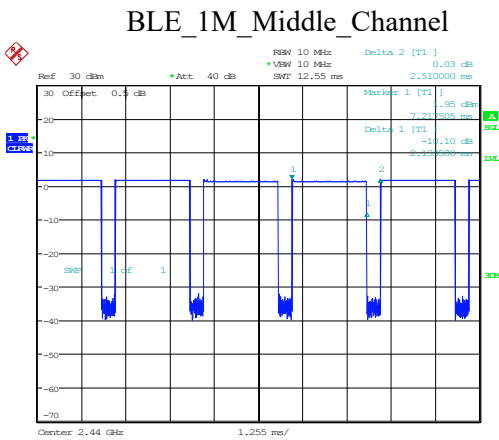
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.134	2.510	85.02	0.70	469	0.500

BLE 2M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.073	1.880	57.07	2.44	932	1

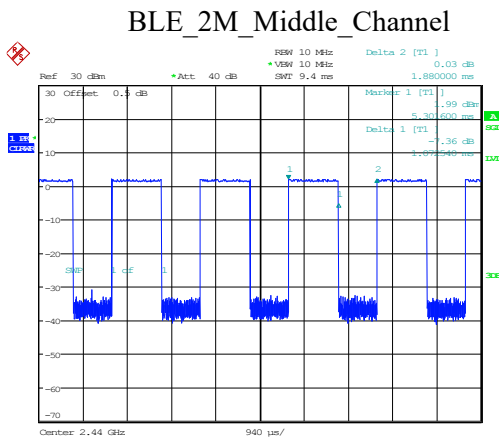
Duty Cycle = Ton/(Ton+Toff)*100%

BLE 1M



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:23:42

BLE 2M



ProjectNo.:2403Y36748E-RF Tester:Leo Li
Date: 1.NOV.2024 16:42:48