

Test Information:

Serial No.:	2Q05-2	Test Date:	2024/08/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.3	Relative Humidity: (%)	67	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101591	2024/04/01	2025/03/31
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
HuiXunDa	DC Block	SMA-JK 18G	DCB181108042	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

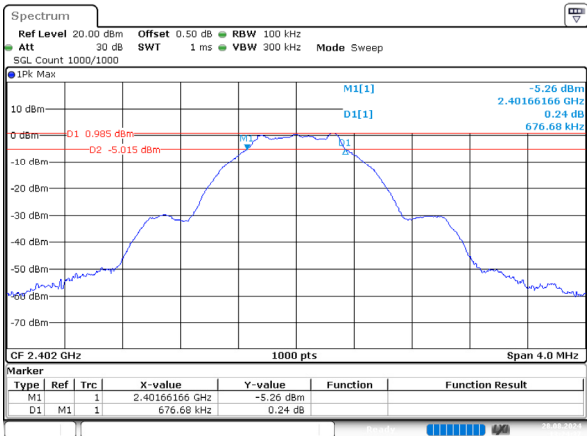
Mode	Value (MHz)	Limit (MHz)	Result
Low	0.677	≥0.5	Pass
Middle	0.677	≥0.5	Pass
High	0.681	≥0.5	Pass

BLE 2M

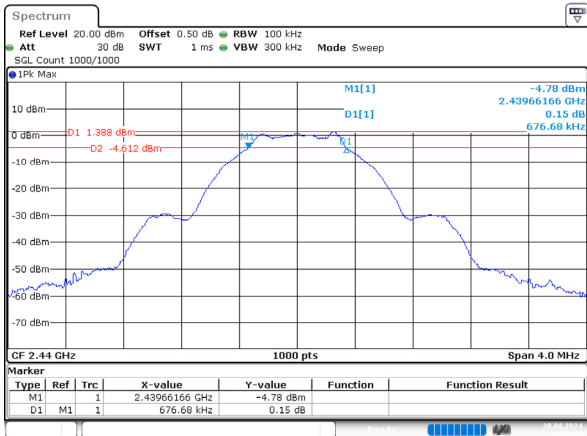
Mode	Value (MHz)	Limit (MHz)	Result
Low	1.185	≥0.5	Pass
Middle	1.185	≥0.5	Pass
High	1.189	≥0.5	Pass

BLE 1M

Low 0.677MHz

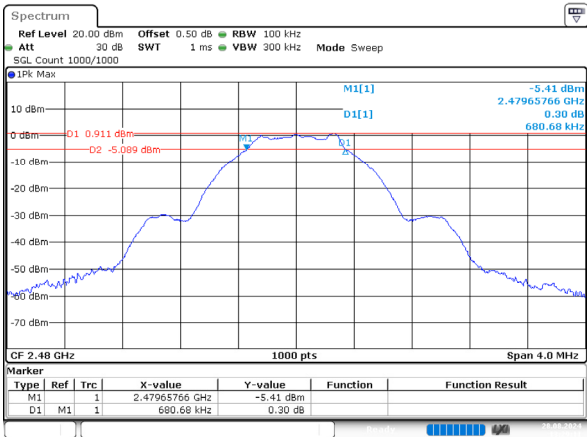


Middle 0.677MHz

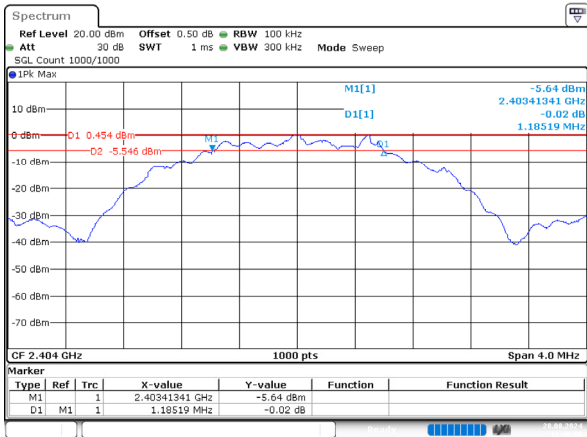


BLE 2M

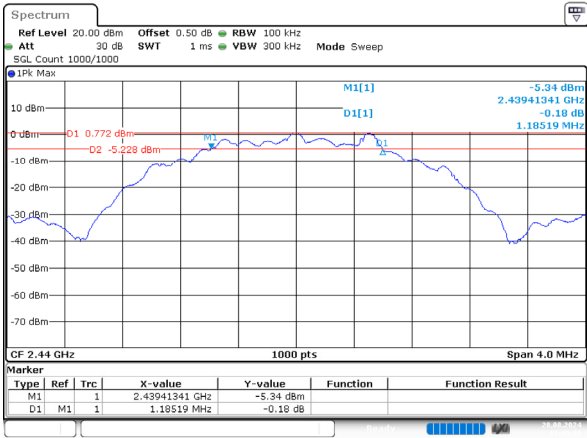
High 0.681MHz



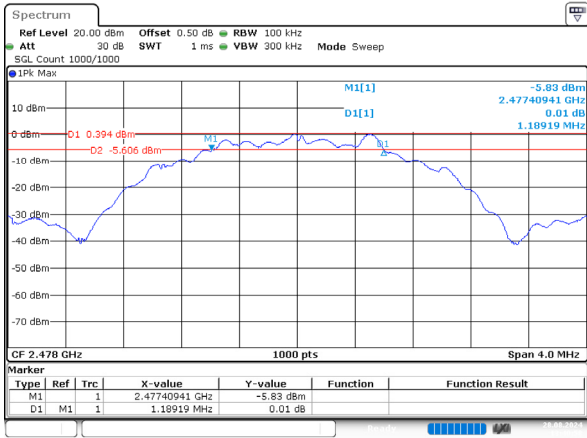
Low 1.185MHz



Middle 1.185MHz



High 1.189MHz



Maximum Conducted Output Power

BLE 1M

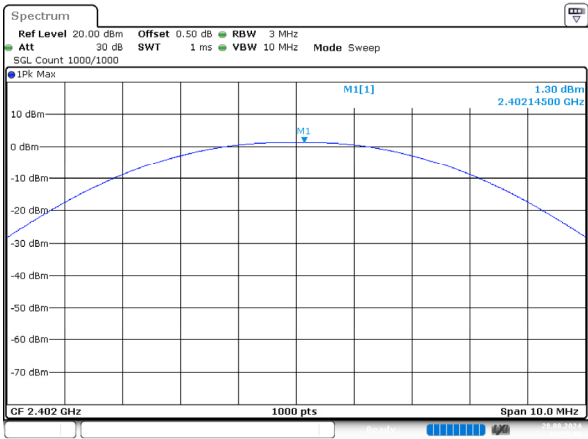
Mode	Value (dBm)	Limit (dBm)	Result
Low	1.30	30.00	Pass
Middle	1.71	30.00	Pass
High	1.29	30.00	Pass

BLE 2M

Mode	Value (dBm)	Limit (dBm)	Result
Low	1.50	30.00	Pass
Middle	1.80	30.00	Pass
High	1.51	30.00	Pass

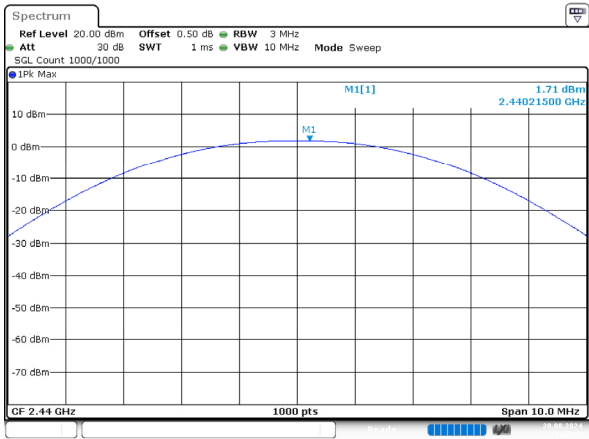
BLE 1M

Low 1.30dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:25:41

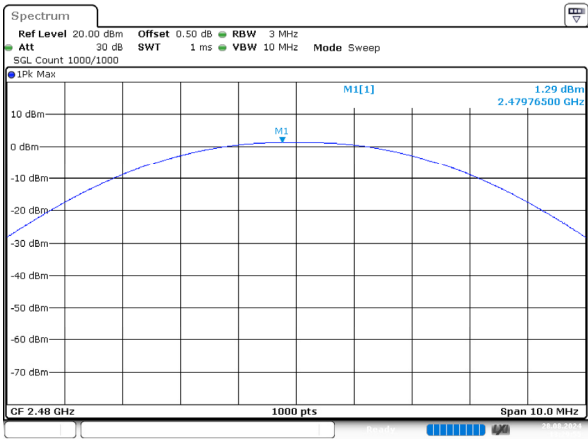
Middle 1.71dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:27:45

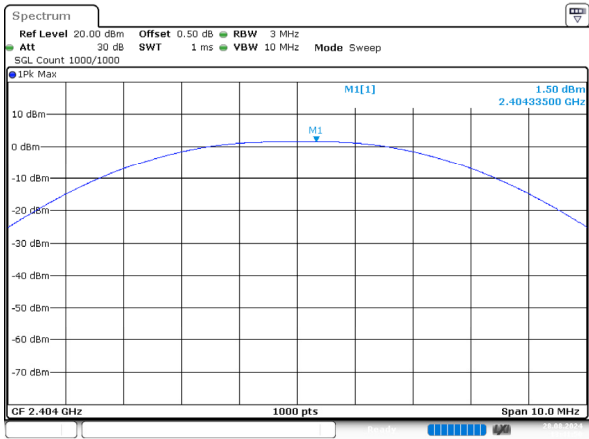
BLE 2M

High 1.29dBm



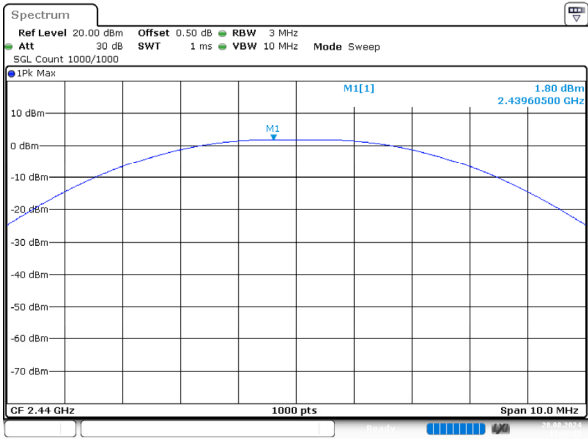
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:29:56

Low 1.50dBm



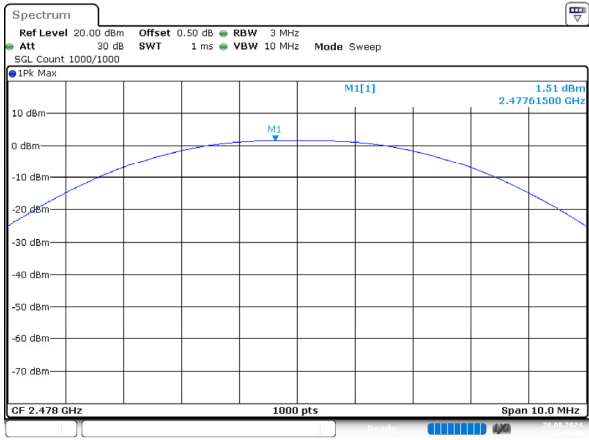
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:41:50

Middle 1.80dBm



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High 1.51dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:42:41

Power Spectral Density

BLE 1M

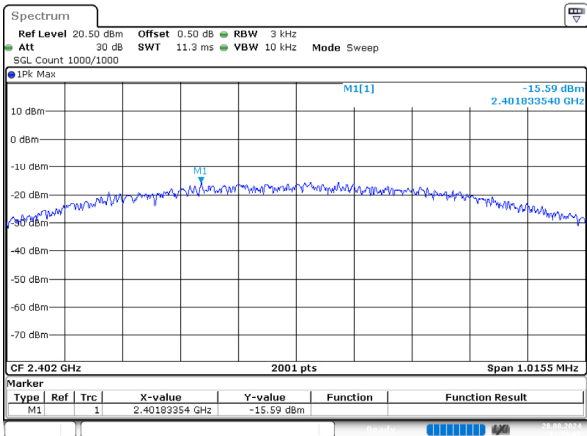
Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-15.59	8	Pass
Middle	-15.14	8	Pass
High	-15.61	8	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-17.41	8	Pass
Middle	-17.11	8	Pass
High	-17.42	8	Pass

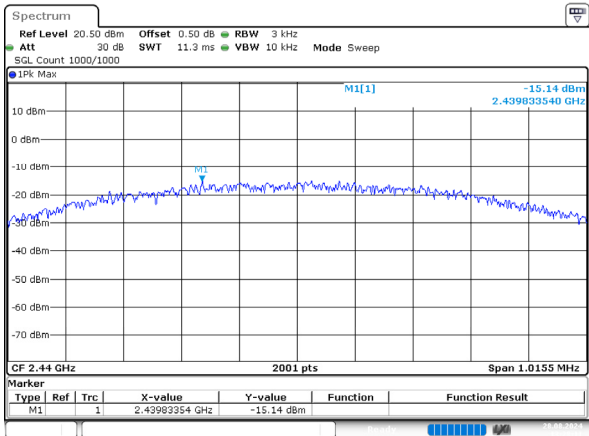
BLE 1M

Low -15.59dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:26:08

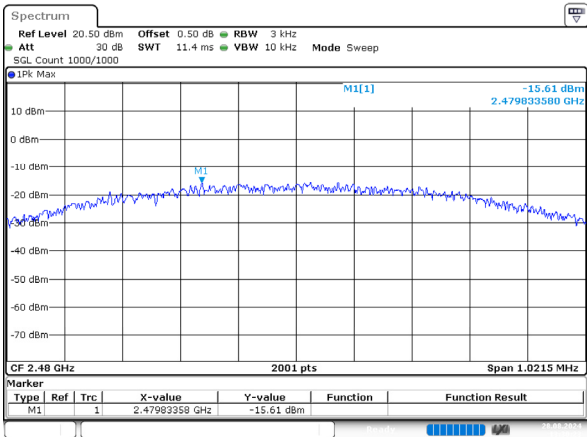
Middle -15.14dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:28:12

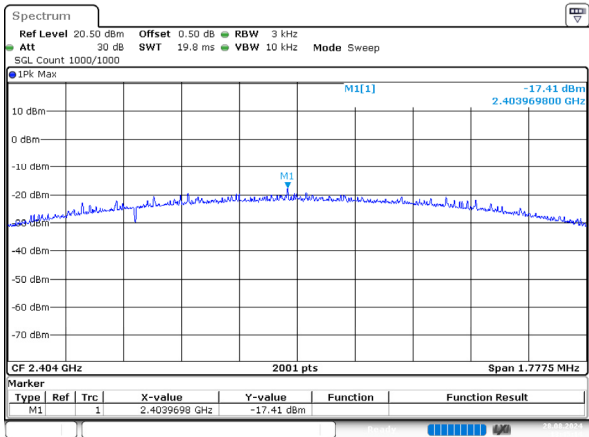
BLE 2M

High -15.61dBm/3kHz



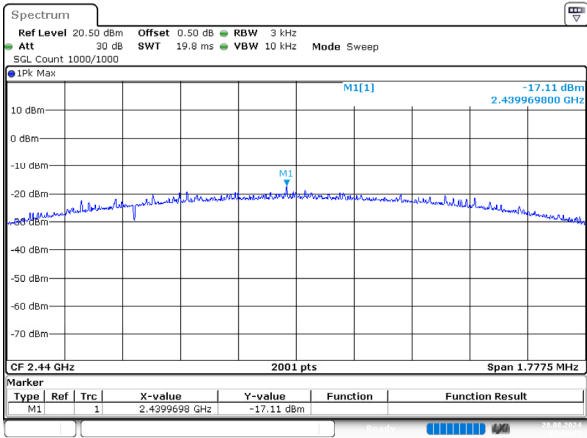
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:30:24

Low -17.41dBm/3kHz



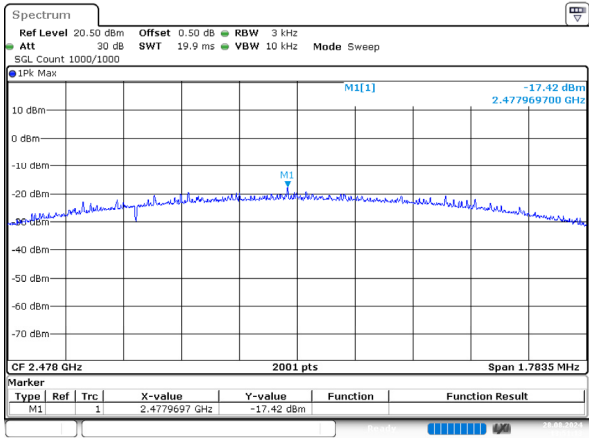
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:45:15

Middle -17.11dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:50:21

High -17.42dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:51:13

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

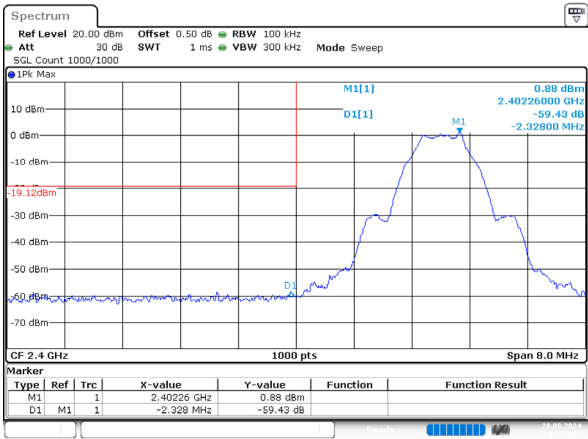
Mode	Value (dB)	Limit (dB)	Result
Low	59.43	20	Pass
High	59.49	20	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	59.58	20	Pass
High	58.05	20	Pass

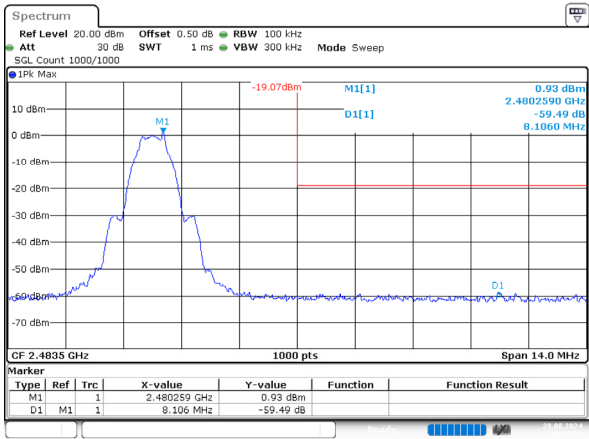
BLE 1M

Low 59.43dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:24:22

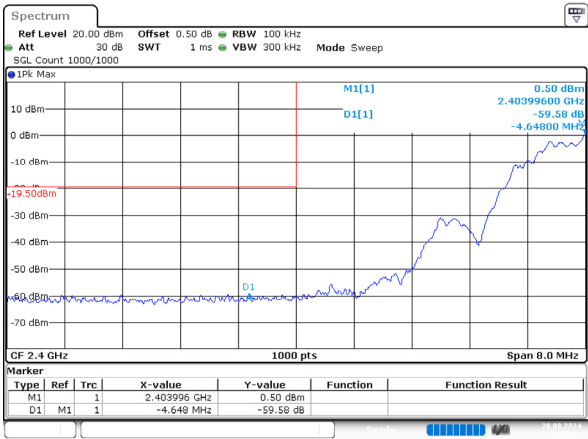
High 59.49dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:28:56

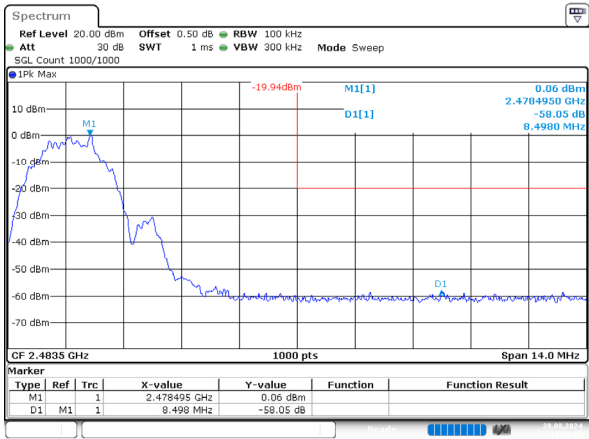
BLE 2M

Low 59.58dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:43:32

High 58.05dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:44:05

Duty Cycle

BLE 1M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.112	2.484	85.02	0.70	473	0.500

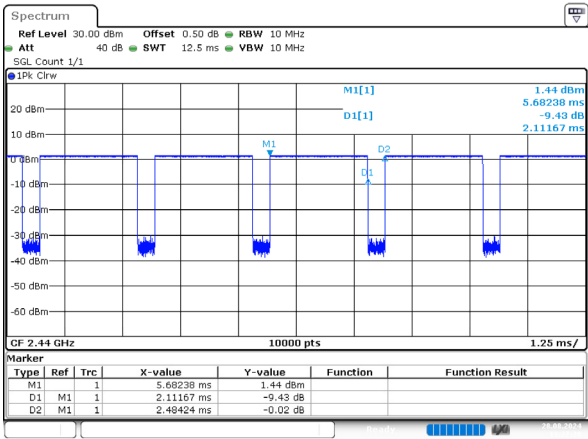
BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.063	1.865	57.00	2.44	941	1

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

BLE 1M

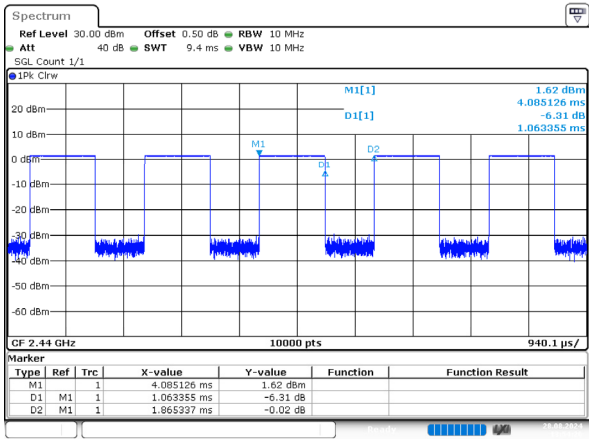
Middle



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Date: 28.AUG.2024 13:27:31

BLE 2M

Middle



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 13:54:26