

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

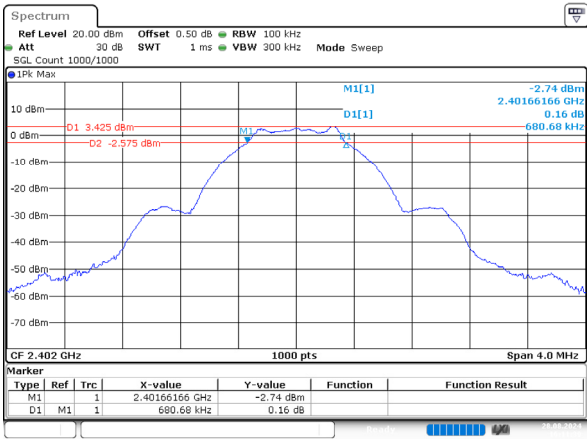
Mode	Value (MHz)	Limit (MHz)	Result
Low	0.681	≥0.5	Pass
Middle	0.677	≥0.5	Pass
High	0.677	≥0.5	Pass

BLE 2M

Mode	Value (MHz)	Limit (MHz)	Result
Low	1.177	≥0.5	Pass
Middle	1.161	≥0.5	Pass
High	1.185	≥0.5	Pass

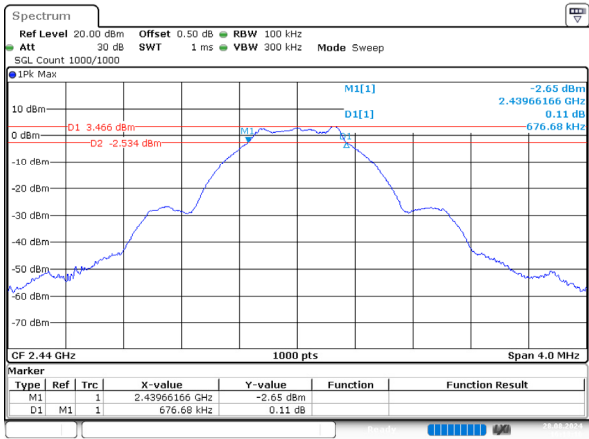
BLE 1M

Low 0.681MHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:11:39

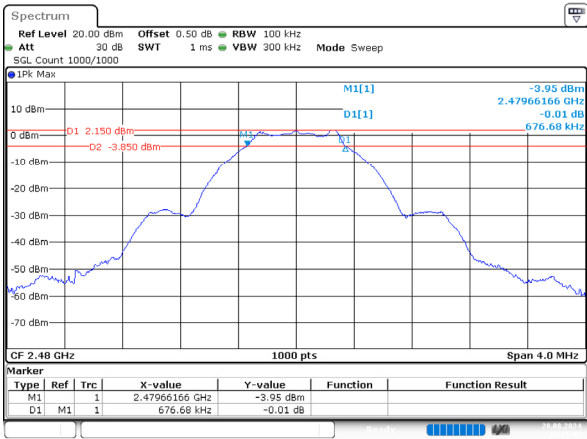
Middle 0.677MHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:13:17

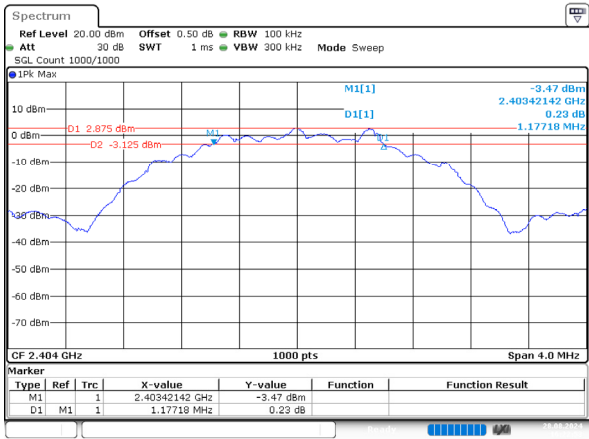
BLE 2M

High 0.677MHz



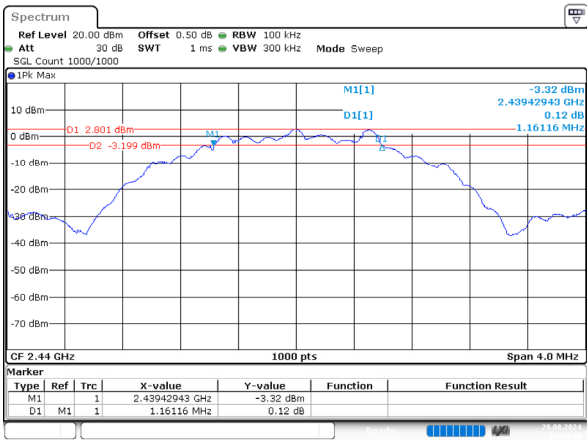
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:15:05

Low 1.177MHz



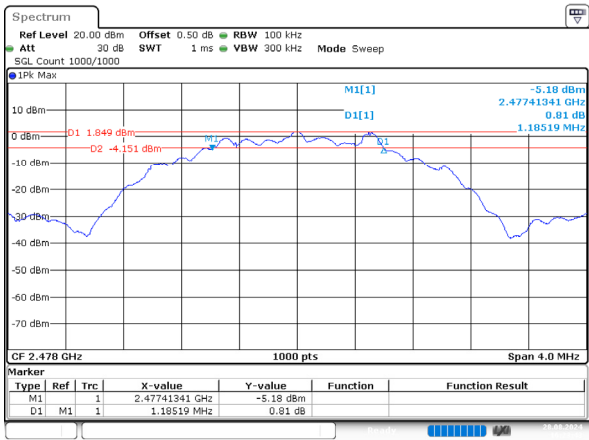
ProjectNo.:2403W26164E-RF Tester:Mack Huang
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Middle 1.161MHz



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High 1.185MHz



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Date: 28.AUG.2024 16:23:43

Maximum Conducted Output Power

BLE 1M

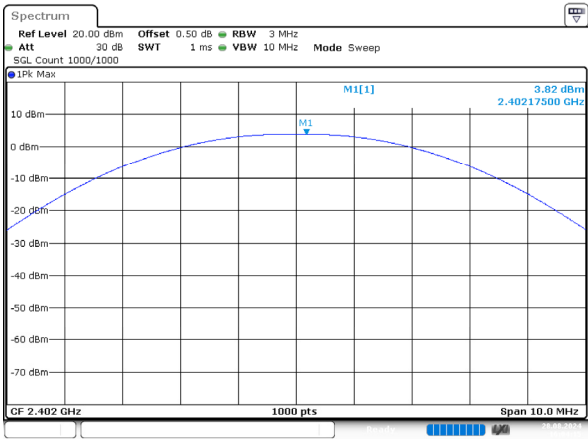
Mode	Value (dBm)	Limit (dBm)	Result
Low	3.82	30.00	Pass
Middle	3.84	30.00	Pass
High	2.66	30.00	Pass

BLE 2M

Mode	Value (dBm)	Limit (dBm)	Result
Low	3.95	30.00	Pass
Middle	3.87	30.00	Pass
High	2.95	30.00	Pass

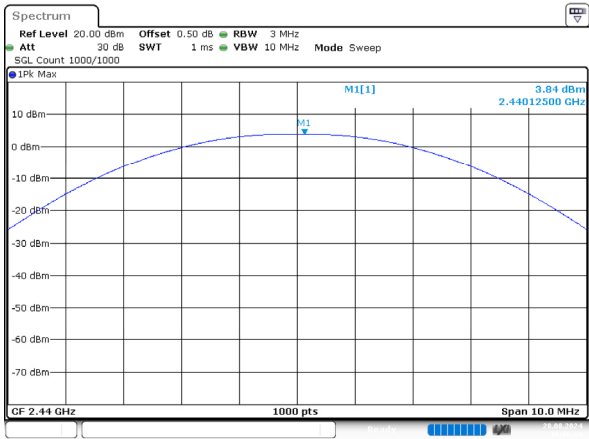
BLE 1M

Low 3.82dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:04:16

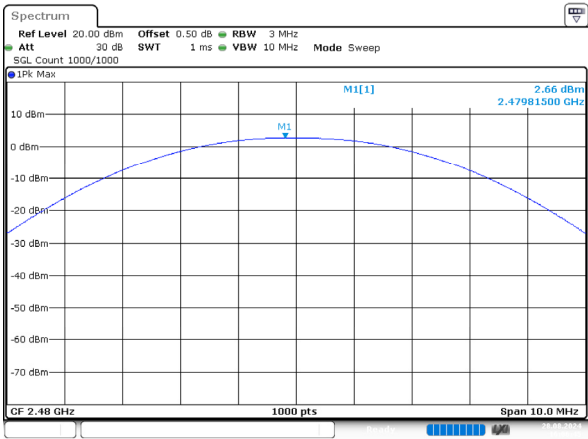
Middle 3.84dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:06:15

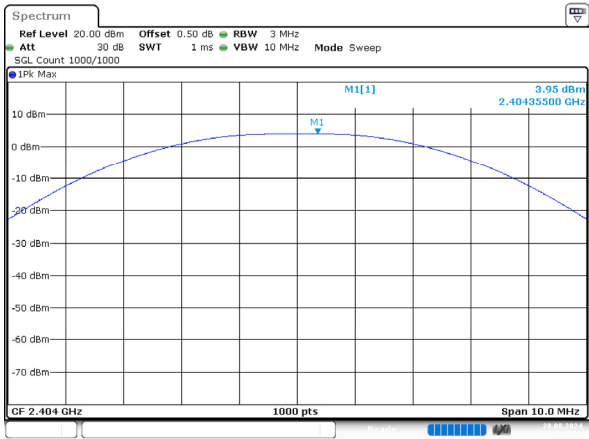
BLE 2M

High 2.66dBm



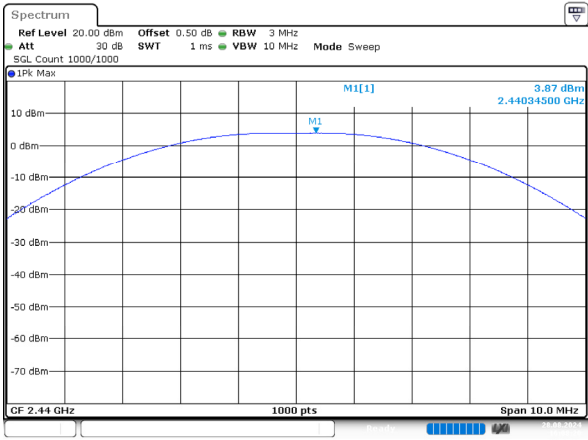
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:06:46

Low 3.95dBm



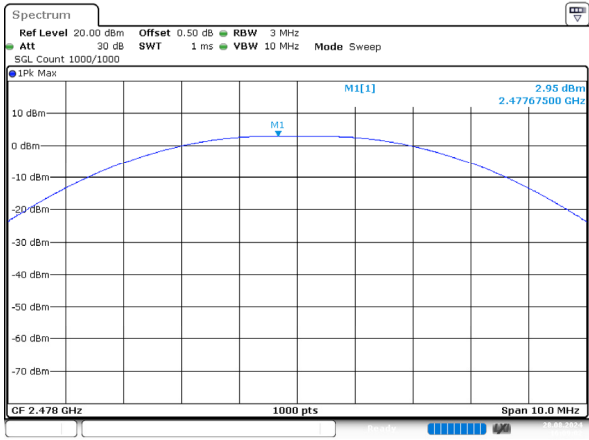
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:07:56

Middle 3.87dBm



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Date: 28.AUG.2024 16:08:21

High 2.95dBm



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Date: 28.AUG.2024 16:09:03

Power Spectral Density

BLE 1M

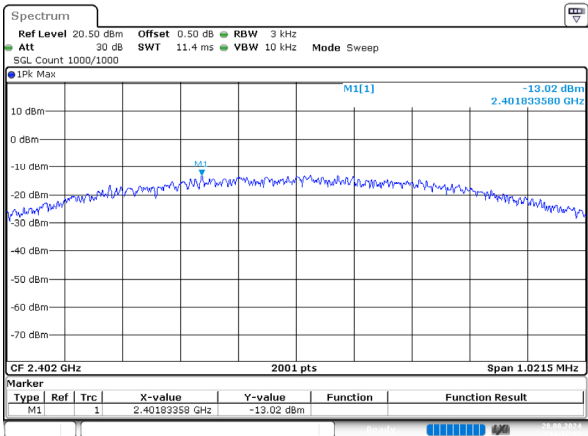
Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-13.02	8	Pass
Middle	-13.01	8	Pass
High	-14.28	8	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-14.98	8	Pass
Middle	-15.08	8	Pass
High	-16.02	8	Pass

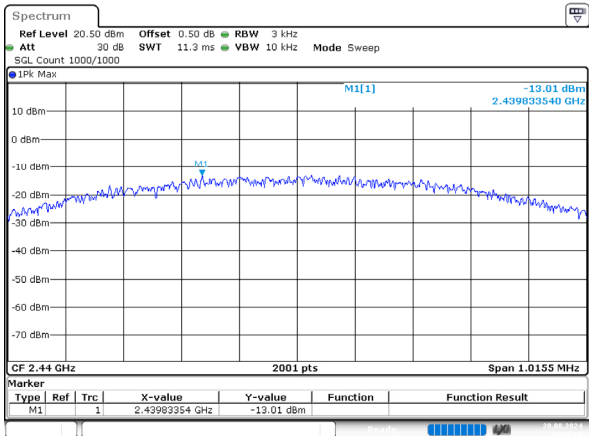
BLE 1M

Low -13.02dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:12:33

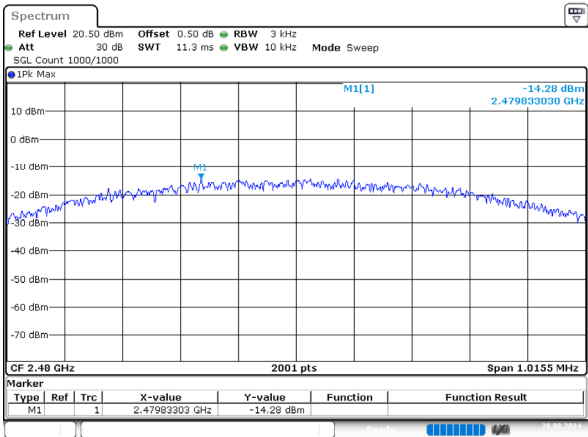
Middle -13.01dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:14:11

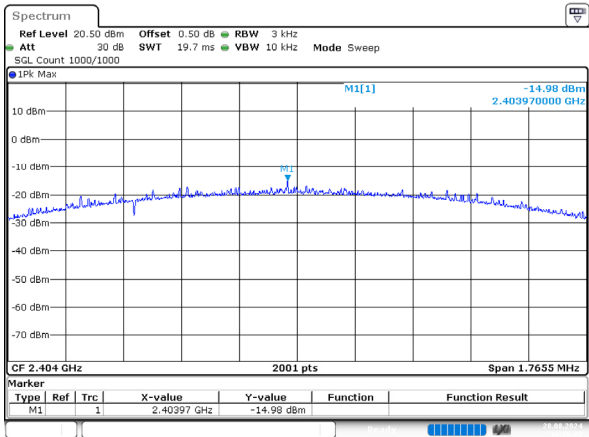
BLE 2M

High -14.28dBm/3kHz



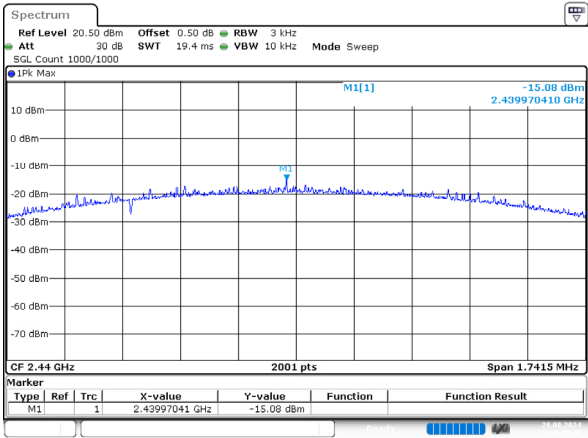
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:15:33

Low -14.98dBm/3kHz



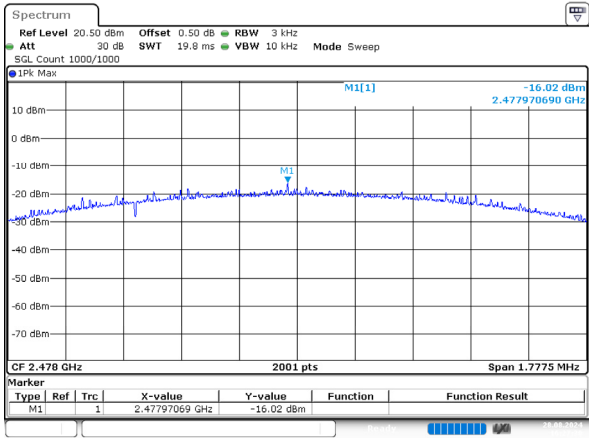
ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:26:03

Middle -15.08dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:26:48

High -16.02dBm/3kHz



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Date: 28.AUG.2024 16:27:31

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

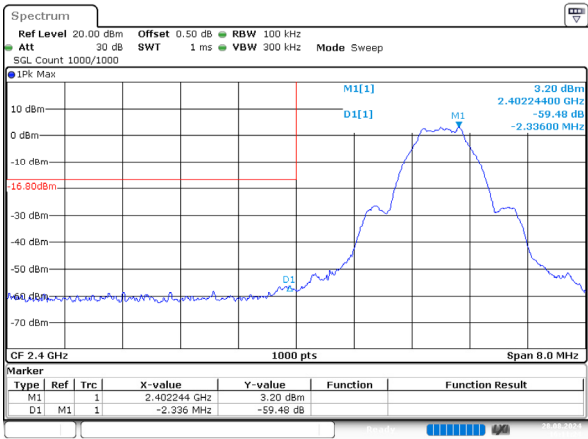
Mode	Value (dB)	Limit (dB)	Result
Low	59.48	20	Pass
High	60.95	20	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	61.43	20	Pass
High	60.99	20	Pass

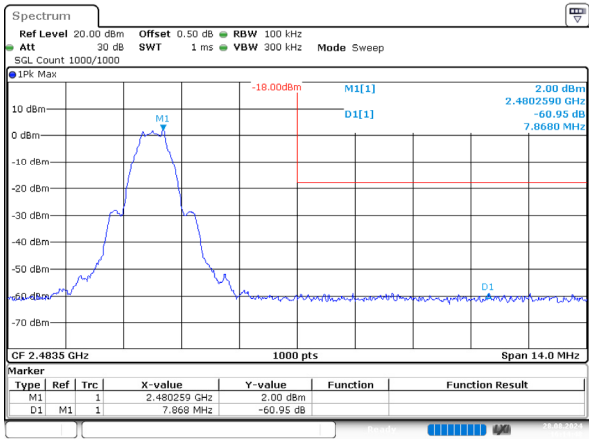
BLE 1M

Low 59.48dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:11:24

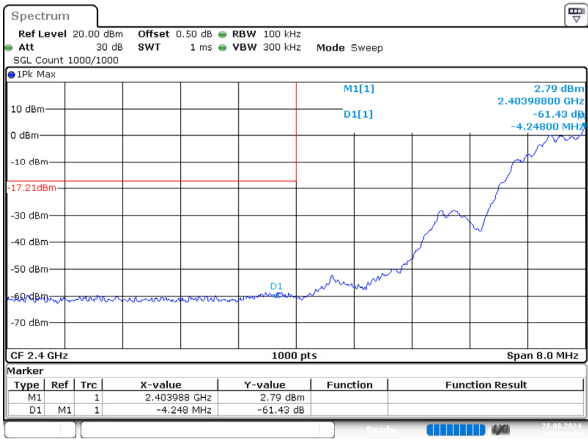
High 60.95dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
Date: 28.AUG.2024 16:14:49

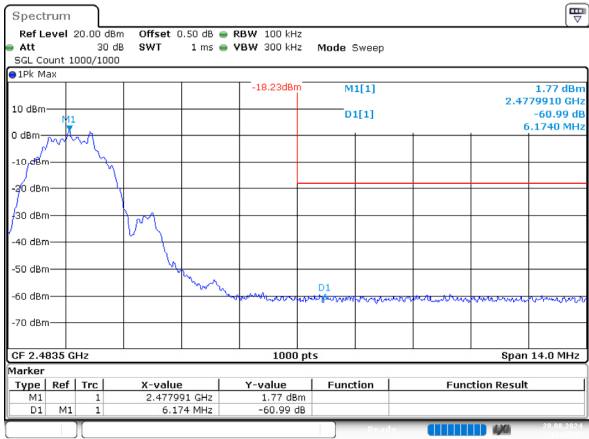
BLE 2M

Low 61.43dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang
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High 60.99dB



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Date: 28.AUG.2024 16:25:05

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	2.485	84.99	0.71	473	0.500

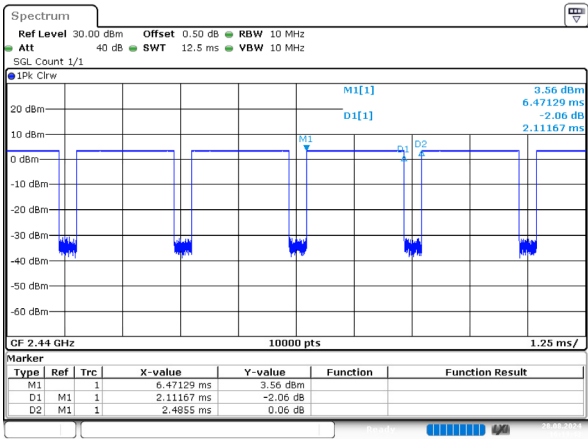
BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.064	1.865	57.05	2.44	940	1

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

BLE 1M

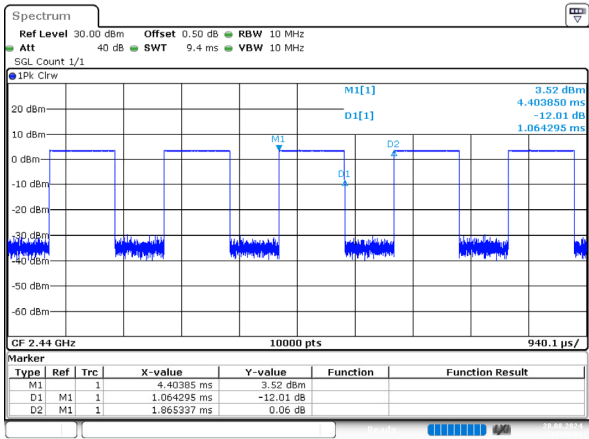
Middle



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BLE 2M

Middle



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Date: 28.AUG.2024 16:28:22