

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:<br>(°C): | 26.3 | Relative Humidity:<br>(%) | 67 | ATM Pressure:<br>(kPa) | 100.4 |
|-----------------------|------|---------------------------|----|------------------------|-------|

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

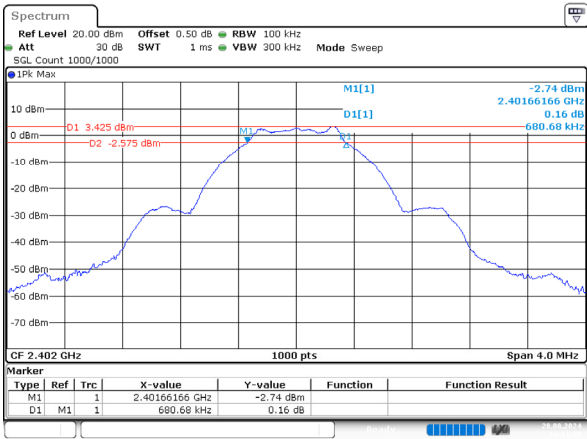
| Mode   | Value<br>(MHz) | Limit<br>(MHz) | Result |
|--------|----------------|----------------|--------|
| Low    | 0.681          | ≥0.5           | Pass   |
| Middle | 0.677          | ≥0.5           | Pass   |
| High   | 0.677          | ≥0.5           | Pass   |

BLE 2M

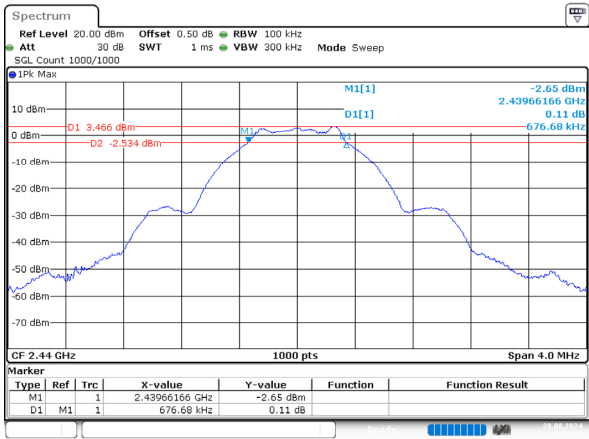
| Mode   | Value<br>(MHz) | Limit<br>(MHz) | Result |
|--------|----------------|----------------|--------|
| Low    | 1.177          | ≥0.5           | Pass   |
| Middle | 1.161          | ≥0.5           | Pass   |
| High   | 1.185          | ≥0.5           | Pass   |

BLE 1M

Low 0.681MHz

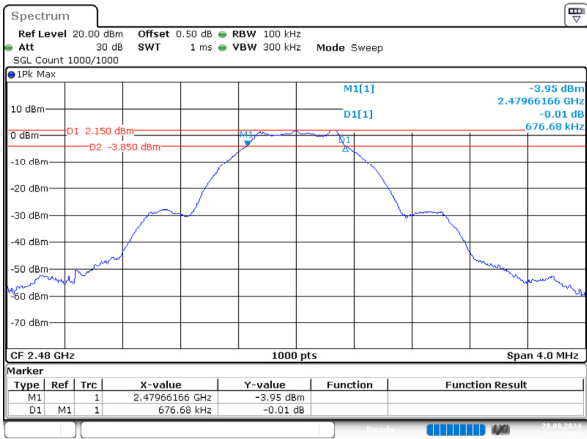


Middle 0.677MHz

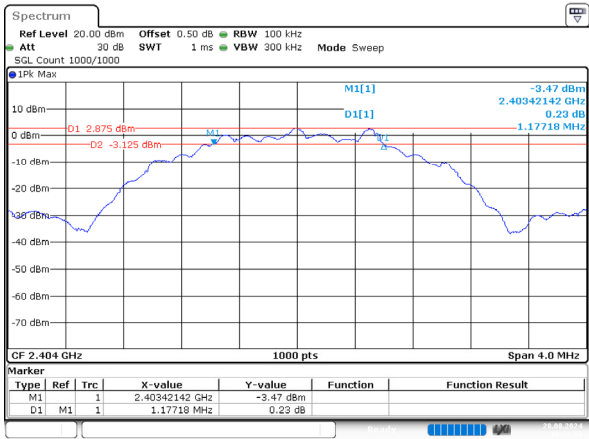


BLE 2M

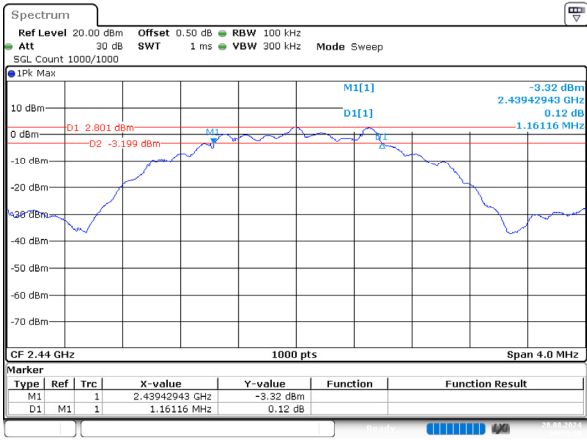
High 0.677MHz



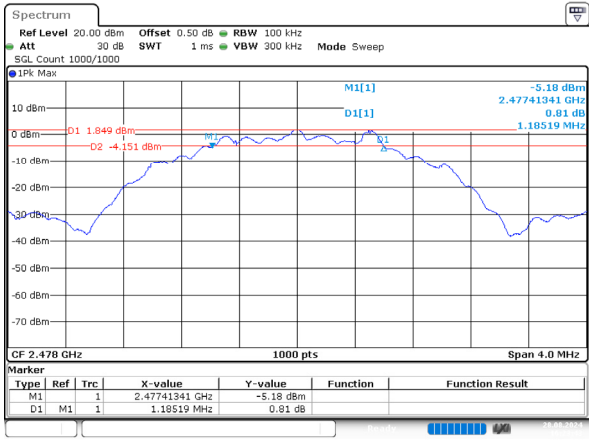
Low 1.177MHz



Middle 1.161MHz



High 1.185MHz



Maximum Conducted Output Power

BLE 1M

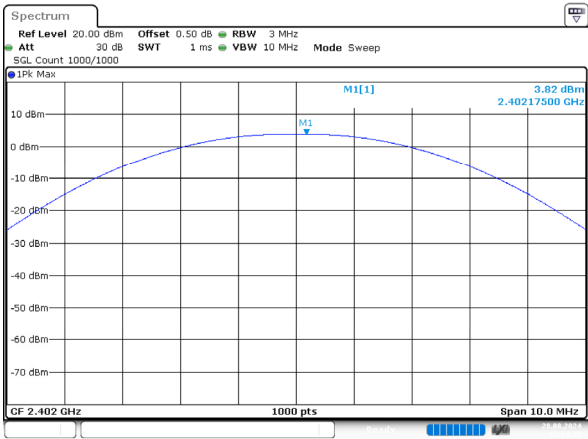
| Mode   | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low    | 3.82        | 30.00       | Pass   |
| Middle | 3.84        | 30.00       | Pass   |
| High   | 2.66        | 30.00       | Pass   |

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   |

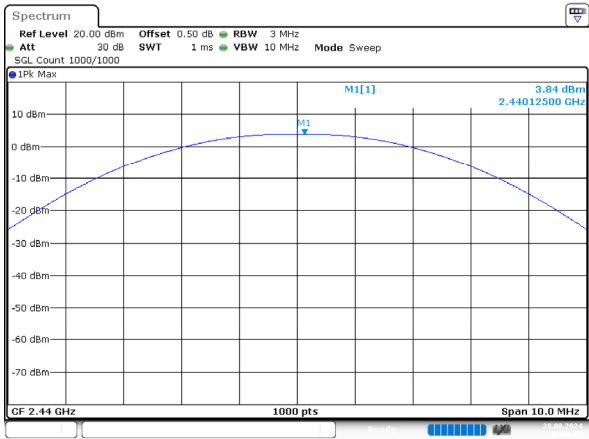
BLE 1M

Low 3.82dBm



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

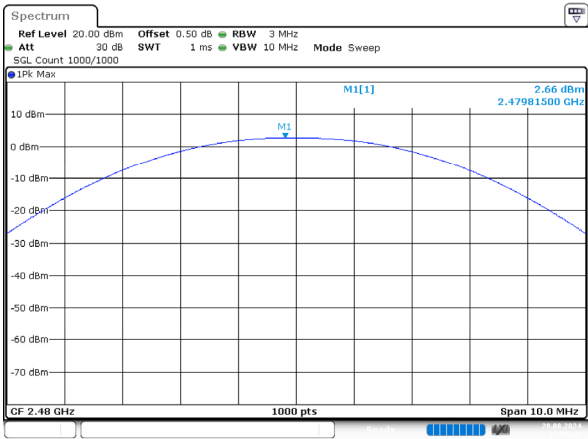
Middle 3.84dBm



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

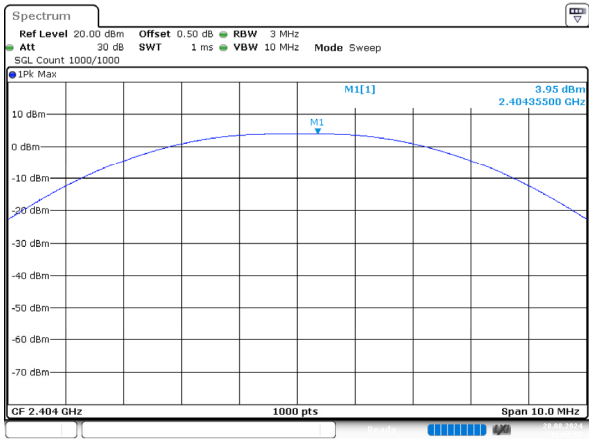
BLE 2M

High 2.66dBm



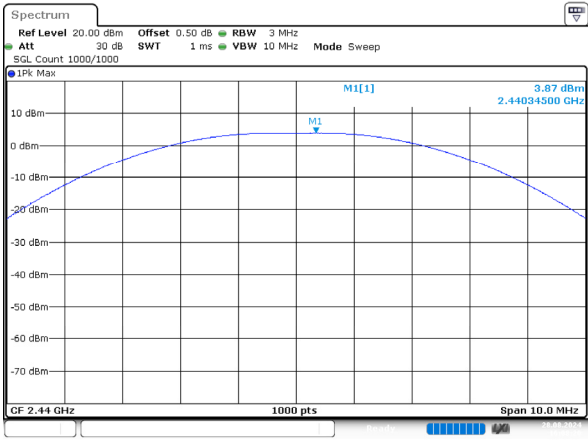
ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:06:46

Low 3.95dBm



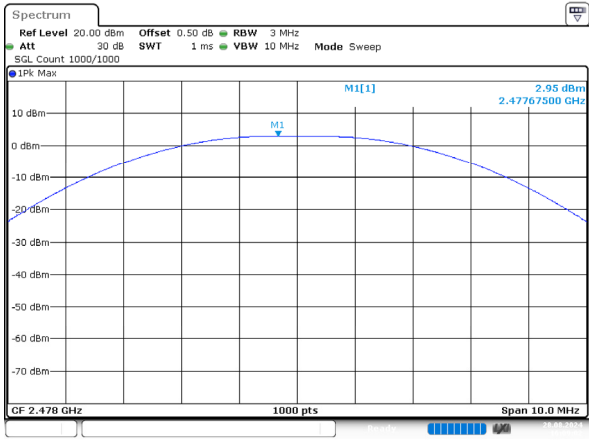
ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:07:56

Middle 3.87dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:08:21

High 2.95dBm



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:09:03

Power Spectral Density

BLE 1M

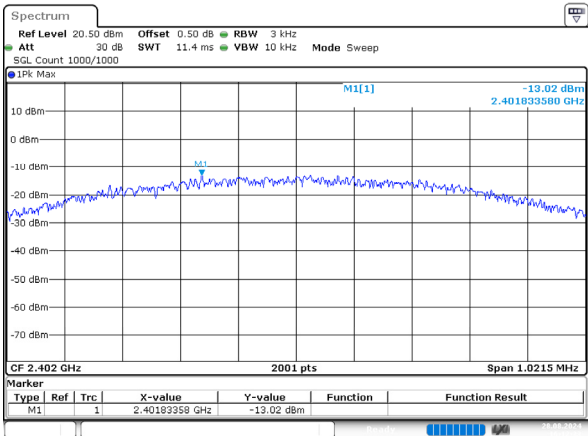
| Mode   | Value<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low    | -13.02              | 8                   | Pass   |
| Middle | -13.01              | 8                   | Pass   |
| High   | -14.28              | 8          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

BLE 2M

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

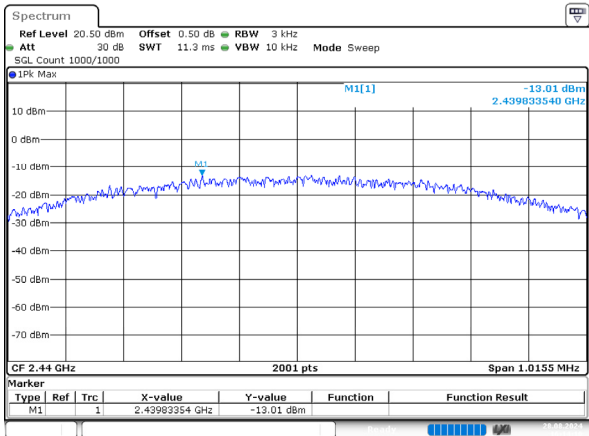
BLE 1M

Low -13.02dBm/3kHz



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

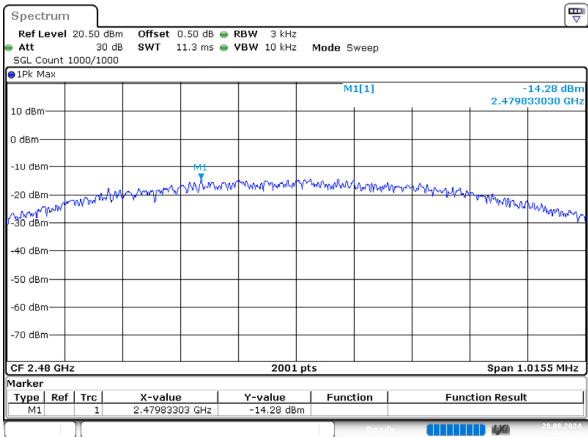
Middle -13.01dBm/3kHz



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

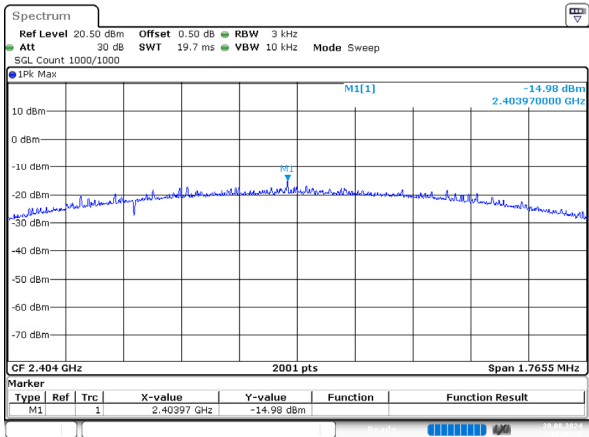
BLE 2M

High -14.28dBm/3kHz



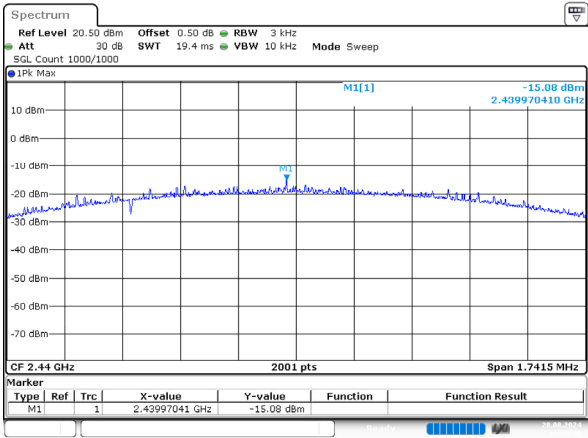
ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:15:33

Low -14.98dBm/3kHz



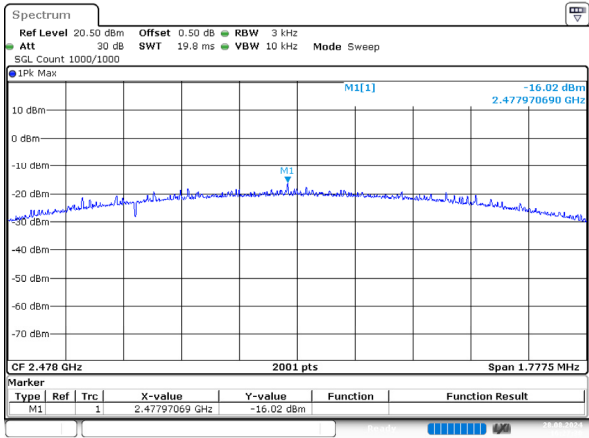
ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:26:03

Middle -15.08dBm/3kHz



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

High -16.02dBm/3kHz



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:27:31

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

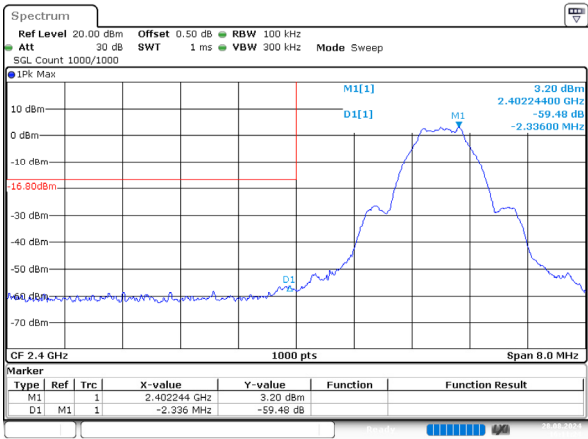
| Mode | Value<br>(dB) | Limit<br>(dB) | Result |
|------|---------------|---------------|--------|
| Low  | 59.48         | 20            | Pass   |
| High | 60.95         | 20            | Pass   |

BLE 2M

| Mode | Value<br>(dB) | Limit<br>(dB) | Result |
|------|---------------|---------------|--------|
| Low  | 61.43         | 20            | Pass   |
| High | 60.99         | 20            | Pass   |

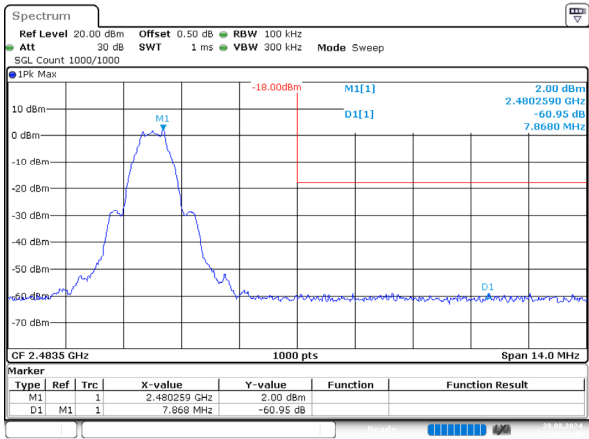
BLE 1M

Low 59.48dB



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

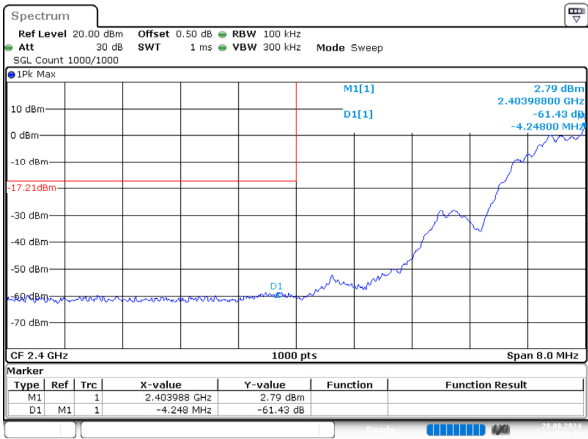
High 60.95dB



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

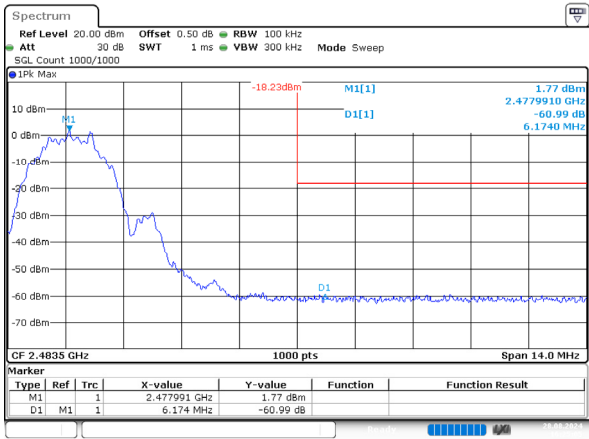
BLE 2M

Low 61.43dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:24:35

High 60.99dB



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:25:05

Duty Cycle

BLE 1M

| Mode   | Ton<br>(ms) | Ton+Toff<br>(ms) | Duty Cycle<br>(%) | Duty Cycle<br>Factor(dB) | 1/Ton<br>(Hz) | VBW Setting<br>(kHz) |
|--------|-------------|------------------|-------------------|--------------------------|---------------|----------------------|
| Middle | 2.112       | 2.485            | 84.99             | 0.71                     | 473           | 0.500                |

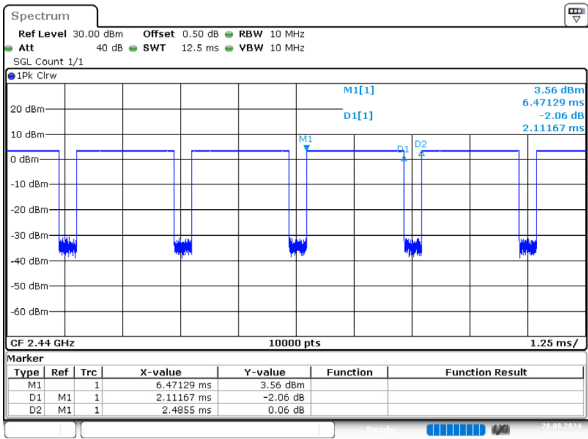
BLE 2M

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

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

BLE 1M

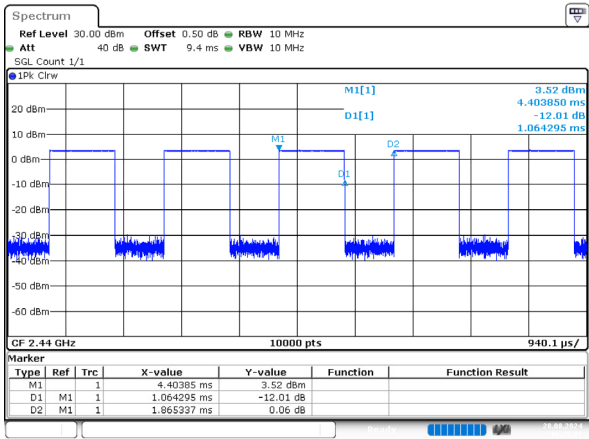
Middle



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:13:43

BLE 2M

Middle



ProjectNo.:2403W26164E-RF Tester:Mack Huang  
Date: 28.AUG.2024 16:28:22