

Test Information:

| | | | |
|-------------|-----------|--------------|--------------|
| Serial No.: | 2NI0-2 | Test Date: | 2024/07/01 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Arthur Su | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|------------------------|----|---------------------------|----|------------------------|-----|
| Temperature: (°C): | 25 | Relative Humidity: (%) | 60 | ATM Pressure: (kPa) | 100 |
|------------------------|----|---------------------------|----|------------------------|-----|

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 |

** 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

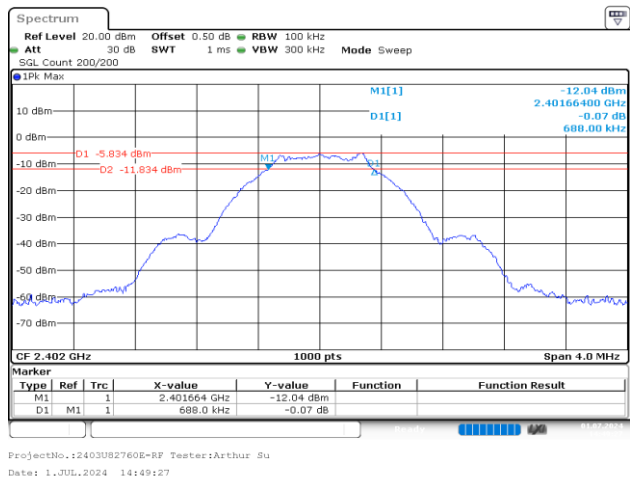
| Mode | Value (MHz) | Limit (MHz) | Result |
|--------|----------------|----------------|--------|
| Low | 0.688 | 0.5 | Pass |
| Middle | 0.684 | 0.5 | Pass |
| High | 0.720 | 0.5 | Pass |

BLE 2M

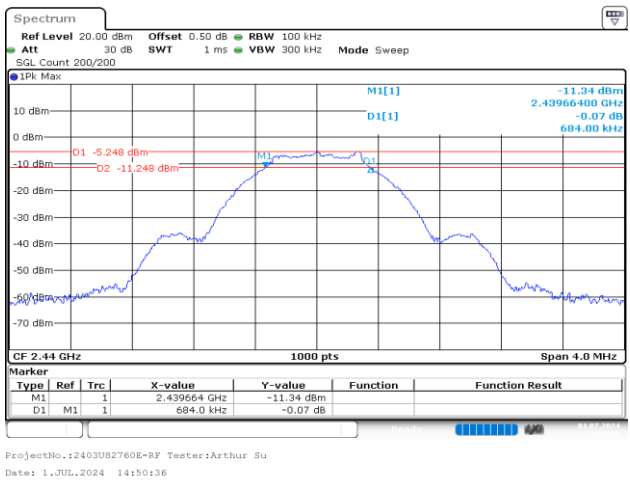
| Mode | Value (MHz) | Limit (MHz) | Result |
|--------|----------------|----------------|--------|
| Low | 1.172 | 0.5 | Pass |
| Middle | 1.188 | 0.5 | Pass |
| High | 1.268 | 0.5 | Pass |

BLE 1M

Low 0.688MHz

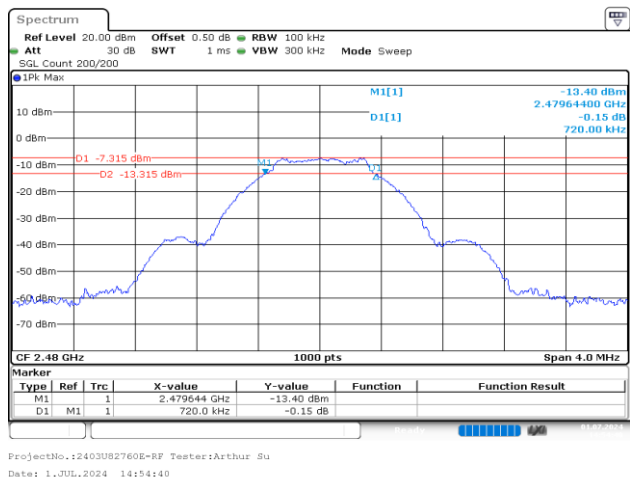


Middle 0.684MHz

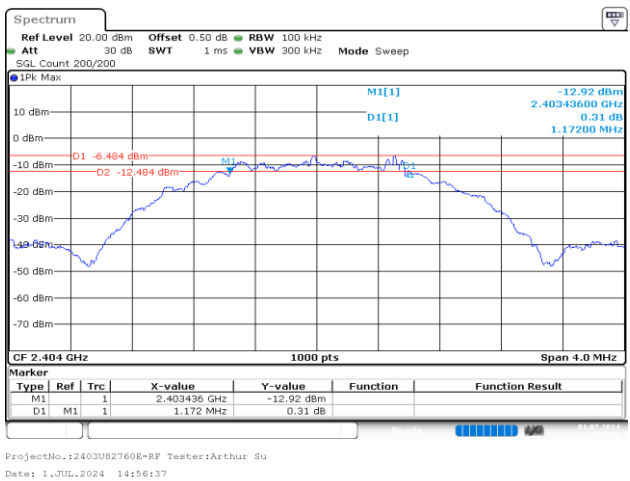


BLE 2M

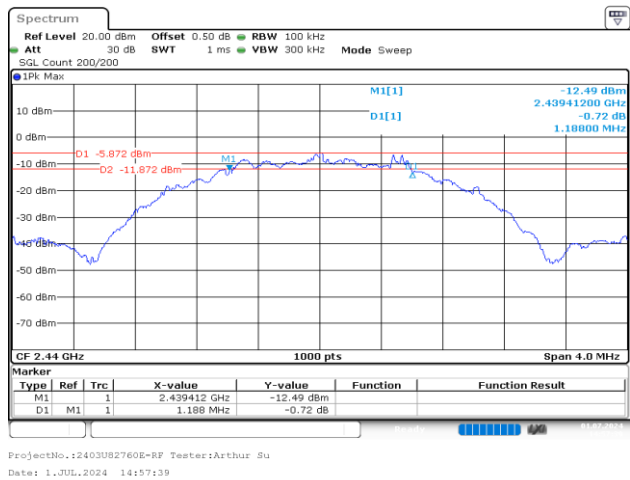
High 0.720MHz



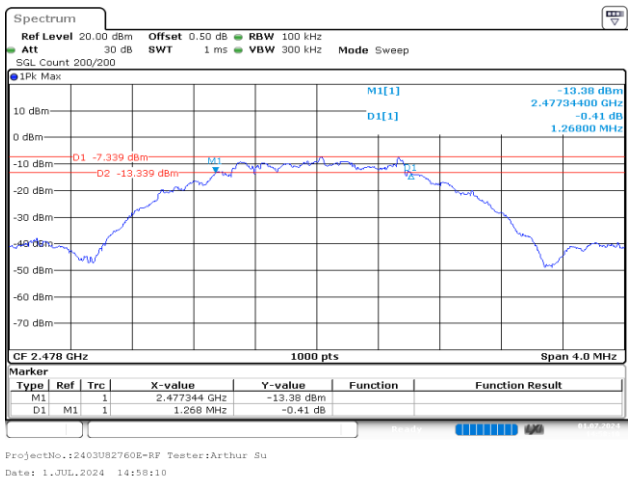
Low 1.172MHz



Middle 1.188MHz



High 1.268MHz



Maximum Conducted Output Power

BLE 1M

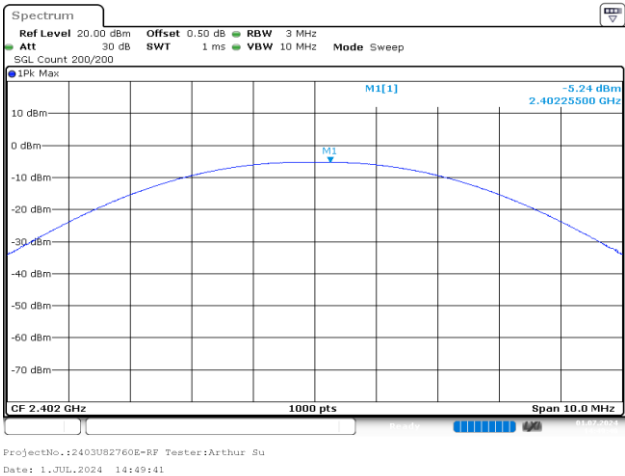
| Mode | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low | -5.24 | 30.00 | Pass |
| Middle | -4.80 | 30.00 | Pass |
| High | -6.09 | 30.00 | Pass |

BLE 2M

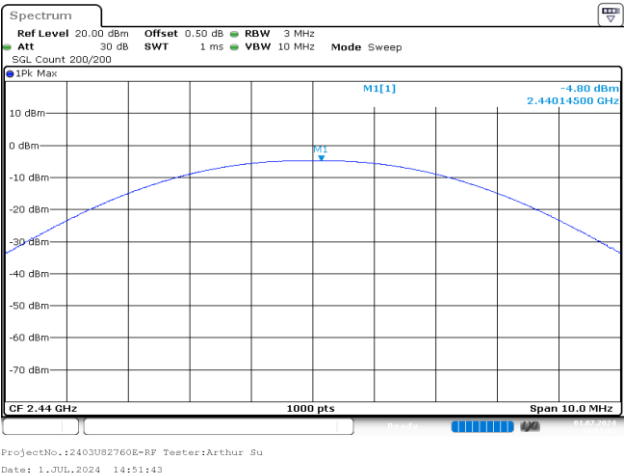
| Mode | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low | -5.09 | 30.00 | Pass |
| Middle | -4.74 | 30.00 | Pass |
| High | -5.57 | 30.00 | Pass |

BLE 1M

Low -5.24dBm

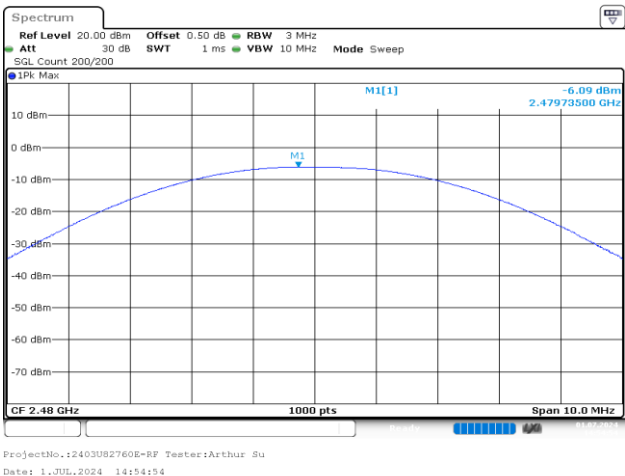


Middle -4.80dBm

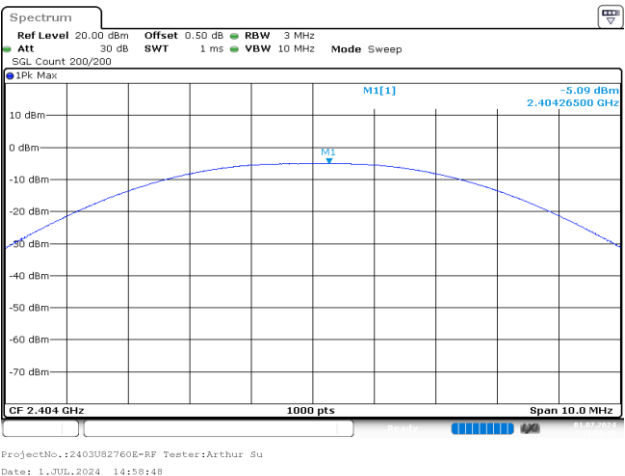


BLE 2M

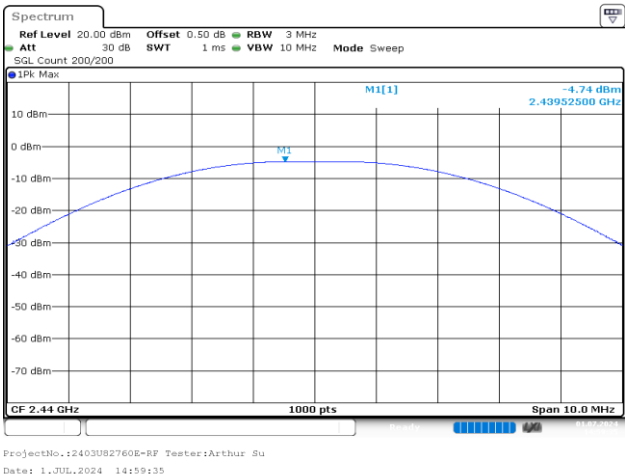
High -6.09dBm



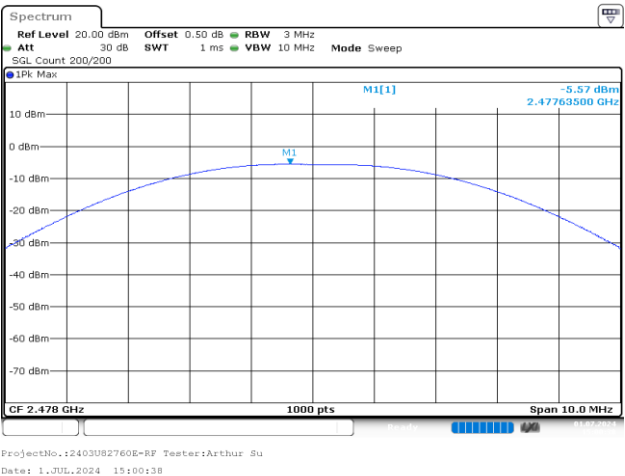
Low -5.09dBm



Middle -4.74dBm



High -5.57dBm



100 kHz Bandwidth of Frequency Band Edge

BLE 1M

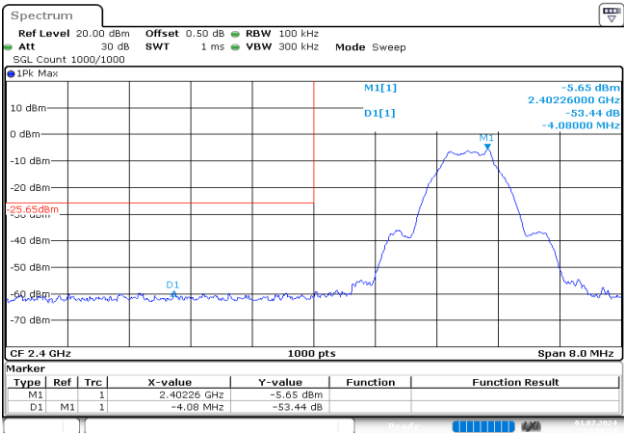
| Mode | Value (dB) | Limit (dB) | Result |
|------|---------------|---------------|--------|
| Low | 53.44 | 20.00 | Pass |
| High | 52.31 | 20.00 | Pass |

BLE 2M

| Mode | Value (dB) | Limit (dB) | Result |
|------|---------------|---------------|--------|
| Low | 53.44 | 20.00 | Pass |
| High | 51.70 | 20.00 | Pass |

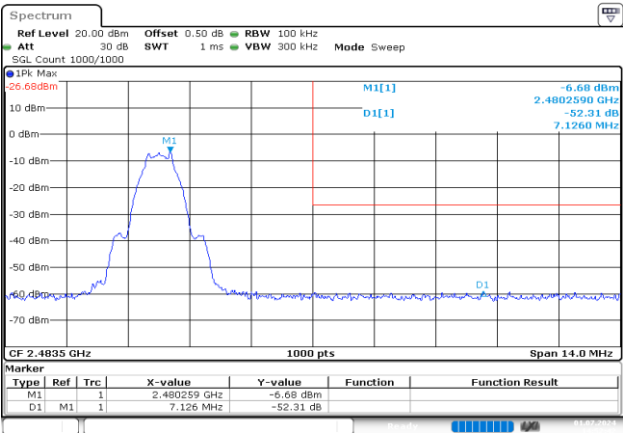
BLE 1M

Low 53.44dB



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 14:49:14

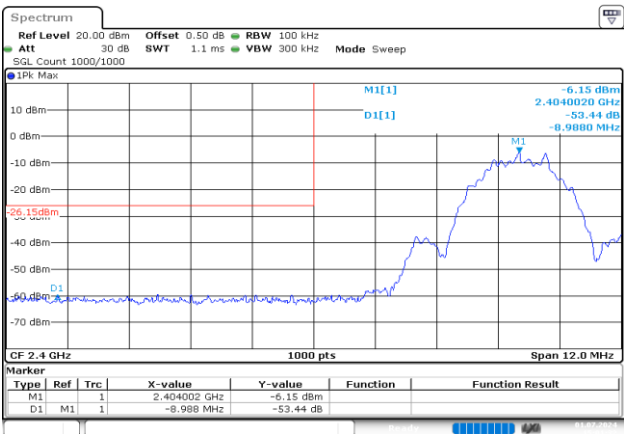
High 52.31dB



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 14:52:42

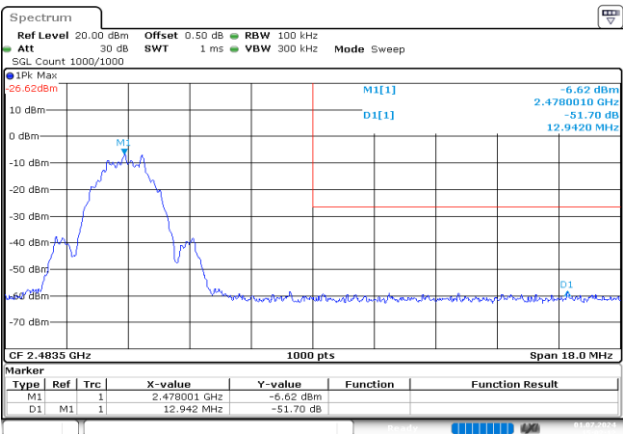
BLE 2M

Low 53.44dB



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 15:01:32

High 51.70dB



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 15:02:12

Power Spectral Density

BLE 1M

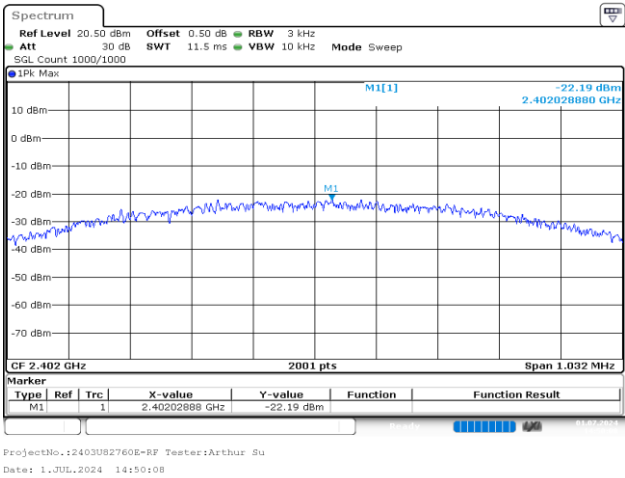
| Mode | Value (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low | -22.19 | 8.00 | Pass |
| Middle | -21.73 | 8.00 | Pass |
| High | -23.07 | 8.00 | Pass |

BLE 2M

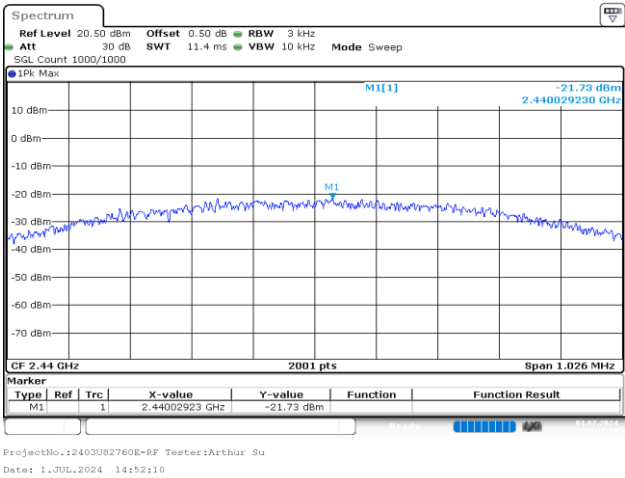
| Mode | Value (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low | -24.01 | 8.00 | Pass |
| Middle | -23.62 | 8.00 | Pass |
| High | -24.51 | 8.00 | Pass |

BLE 1M

Low -22.19dBm/3kHz

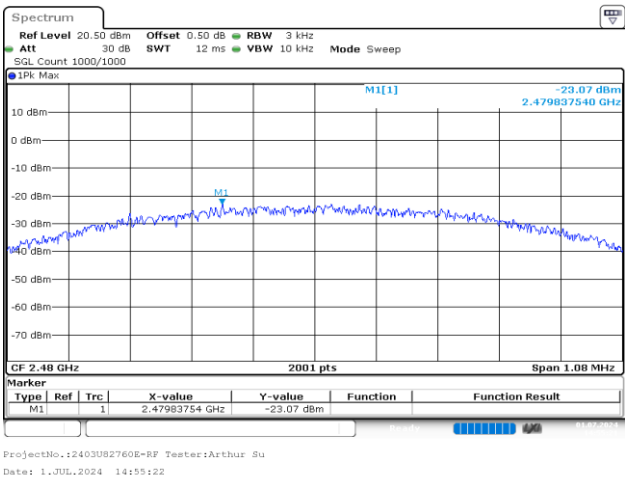


Middle -21.73dBm/3kHz

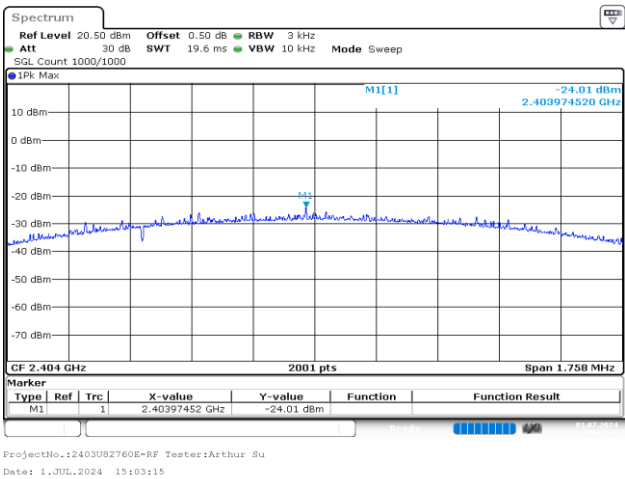


BLE 2M

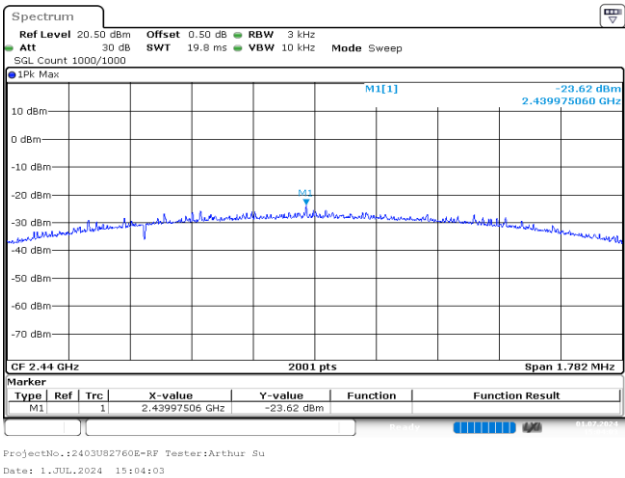
High -23.07dBm/3kHz



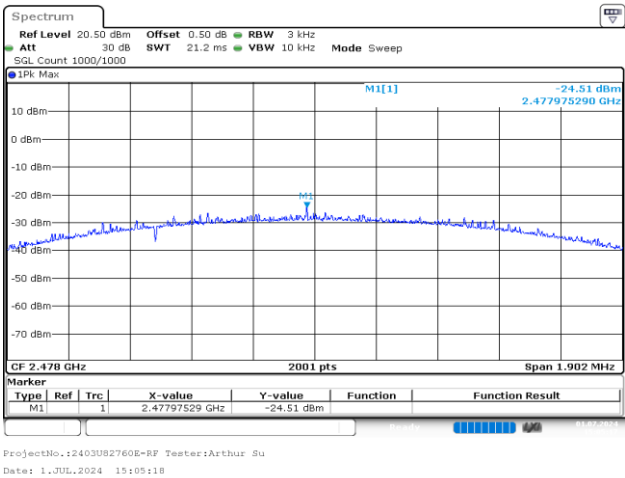
Low -24.01dBm/3kHz



Middle -23.62dBm/3kHz



High -24.51dBm/3kHz



Duty Cycle

BLE 1M

| Mode | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty Cycle Factor (dB) | 1/T (Hz) | VBW Setting (kHz) |
|--------|-------------|------------------|-------------------|------------------------------|-------------|----------------------|
| Middle | 2.111 | 2.485 | 84.95 | 0.71 | 474.0 | 0.500 |

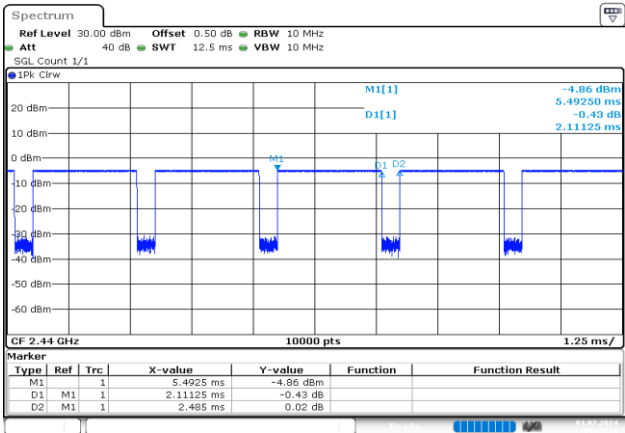
BLE 2M

| Mode | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty Cycle Factor (dB) | 1/T (Hz) | VBW Setting (kHz) |
|--------|-------------|------------------|-------------------|------------------------------|-------------|----------------------|
| Middle | 1.063 | 1.864 | 57.03 | 2.44 | 941.0 | 1.000 |

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

BLE 1M

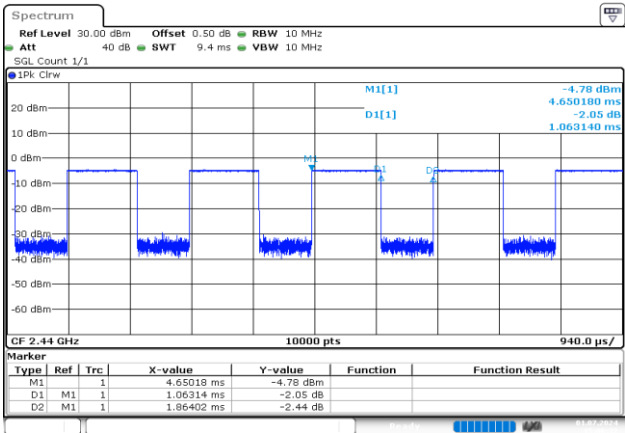
Middle



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 14:51:30

BLE 2M

Middle



ProjectNo.:2403U82760E-RF Tester:Arthur Su
Date: 1.JUL.2024 15:06:33