

FCC Part 15.247

Test Information:

|             |             |              |              |
|-------------|-------------|--------------|--------------|
| Serial No.: | 2J6O-3      | Test Date:   | 2024/04/03   |
| Test Site:  | RF          | Test Mode:   | Transmitting |
| Tester:     | Lingling Li | Test Result: | Pass         |

Environmental Conditions:

|                      |      |                           |    |                        |       |
|----------------------|------|---------------------------|----|------------------------|-------|
| Temperature:<br>(°C) | 26.1 | Relative Humidity:<br>(%) | 48 | ATM Pressure:<br>(kPa) | 101.3 |
|----------------------|------|---------------------------|----|------------------------|-------|

Test Equipment List and Details:

| Manufacturer | Description       | Model   | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|---------|---------------|------------------|----------------------|
| R&S          | Spectrum Analyzer | FSU26   | 100147        | 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**

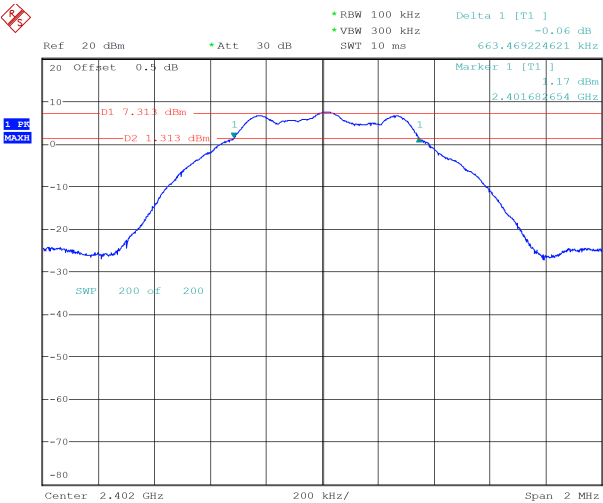
| Mode   | Value (MHz) | Limit (MHz) | Result |
|--------|-------------|-------------|--------|
| Low    | 0.663       | 0.5         | Pass   |
| Middle | 0.667       | 0.5         | Pass   |
| High   | 0.662       | 0.5         | Pass   |

**BLE 2M**

| Mode   | Value (MHz) | Limit (MHz) | Result |
|--------|-------------|-------------|--------|
| Low    | 1.151       | 0.5         | Pass   |
| Middle | 1.154       | 0.5         | Pass   |
| High   | 1.148       | 0.5         | Pass   |

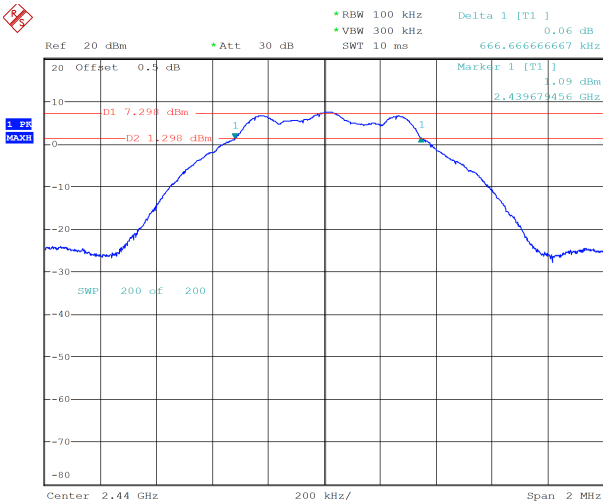
BLE 1M

Low 0.663 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:38:06

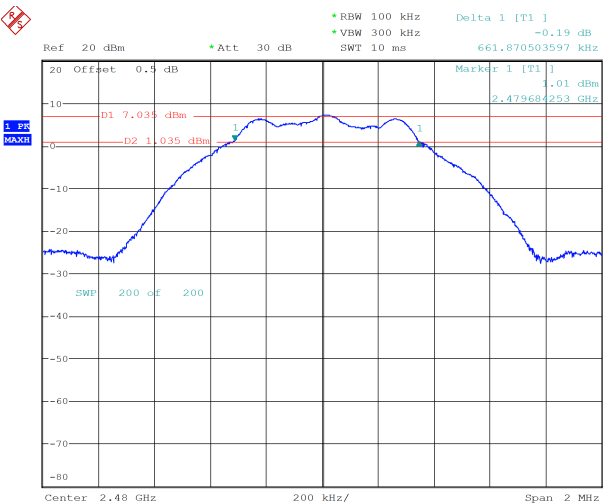
Middle 0.667 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:41:53

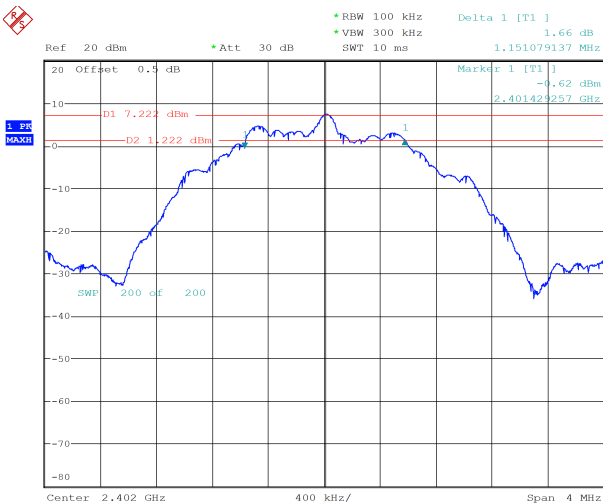
BLE 2M

High 0.662 MHz



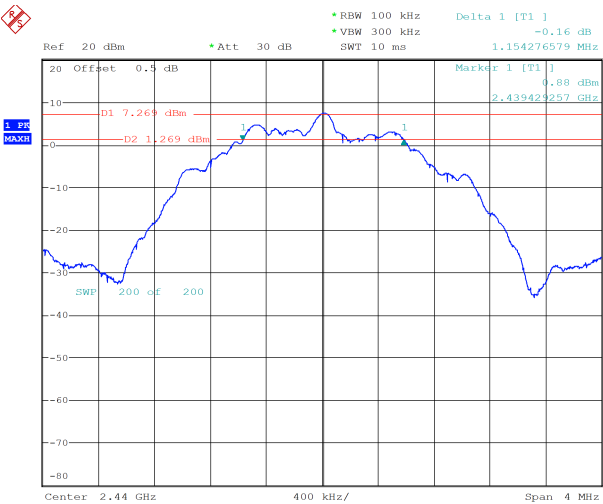
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:44:48

Low 1.151 MHz



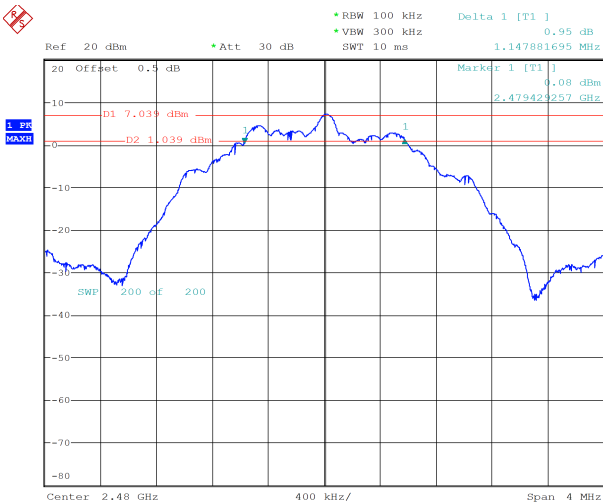
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:01:59

Middle 1.154 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:08:44

High 1.148 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:14:59

99% Occupied Bandwidth

BLE 1M

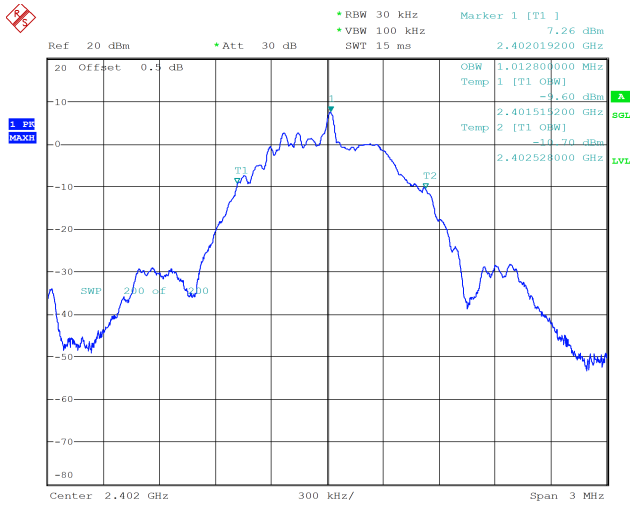
| Mode   | 99% OBW (MHz) |
|--------|---------------|
| Low    | 1.013         |
| Middle | 1.013         |
| High   | 1.015         |

BLE 2M

| Mode   | 99% OBW (MHz) |
|--------|---------------|
| Low    | 2.006         |
| Middle | 2.006         |
| High   | 2.006         |

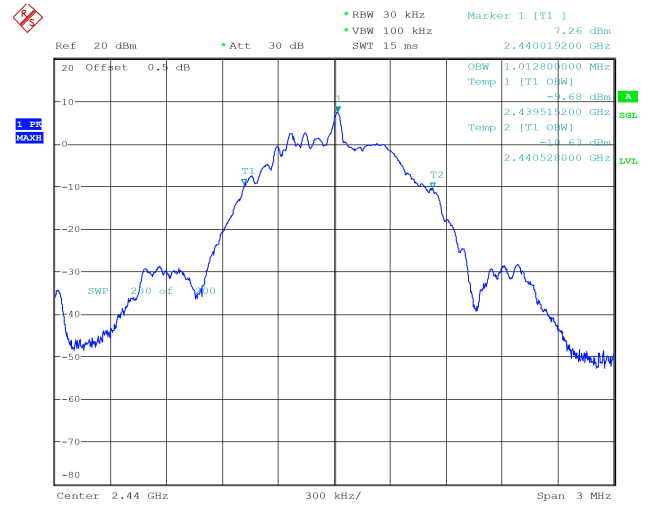
## BLE 1M

## Low 1.013 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:38:29

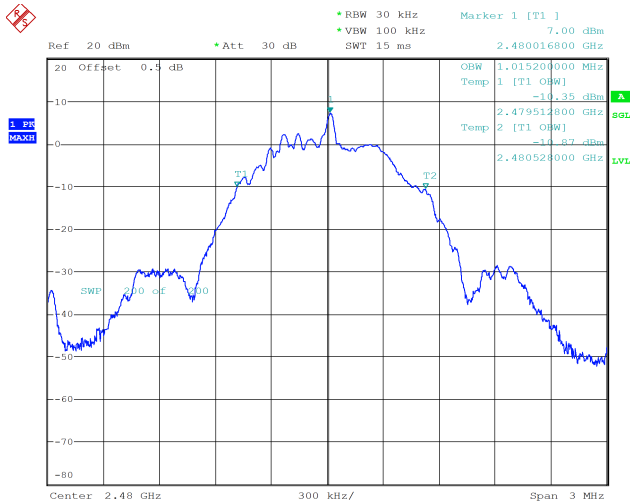
## Middle 1.013 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:42:15

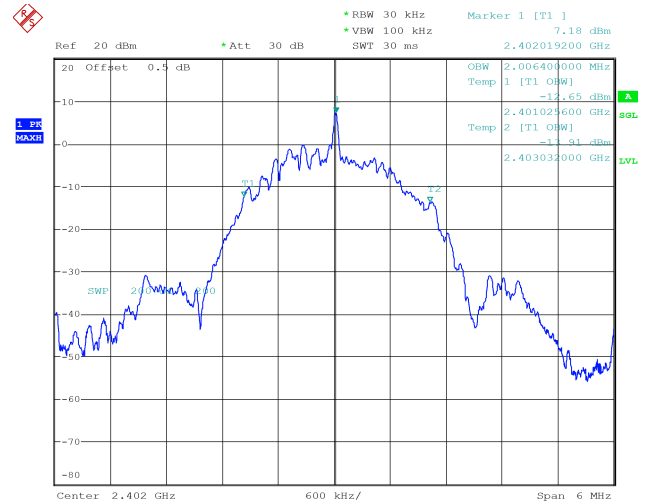
## BLE 2M

## High 1.015 MHz



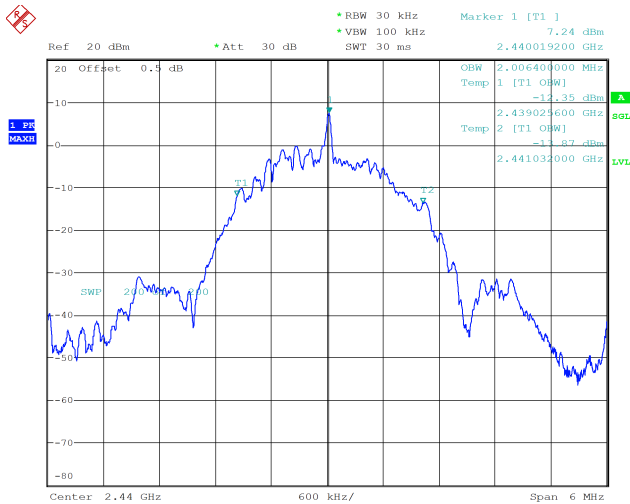
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:45:11

## Low 2.006 MHz



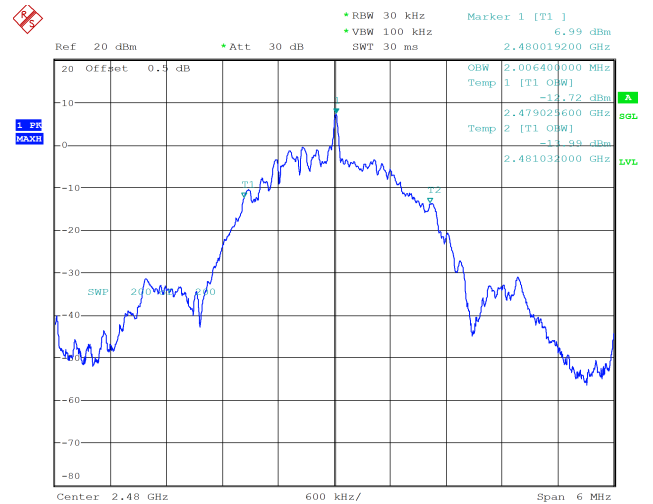
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:02:24

## Middle 2.006 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:09:07

## High 2.006 MHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:15:25

**Maximum Conducted Output Power****BLE 1M**

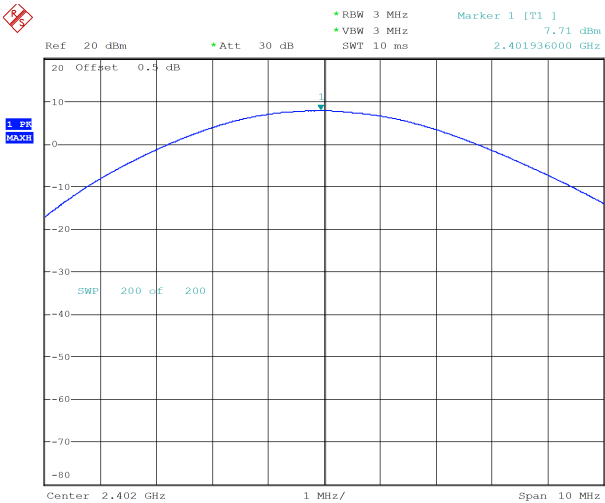
| Mode   | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low    | 7.71        | 30.00       | Pass   |
| Middle | 7.70        | 30.00       | Pass   |
| High   | 7.46        | 30.00       | Pass   |

**BLE 2M**

| Mode   | Value (dBm) | Limit (dBm) | Result |
|--------|-------------|-------------|--------|
| Low    | 7.58        | 30.00       | Pass   |
| Middle | 7.65        | 30.00       | Pass   |
| High   | 7.43        | 30.00       | Pass   |

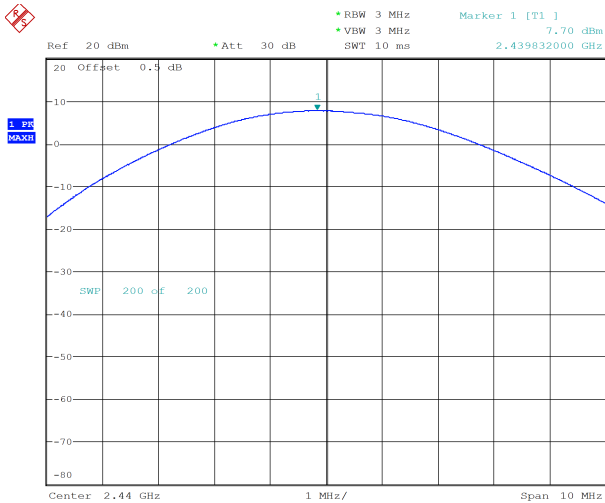
BLE 1M

Low 7.71 dBm



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:38:49

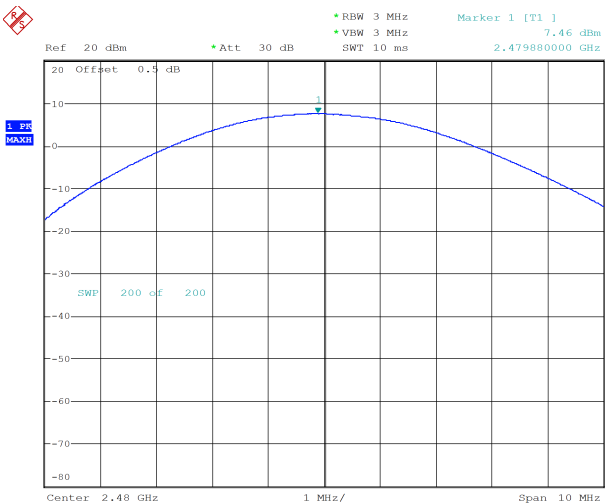
Middle 7.70 dBm



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:42:35

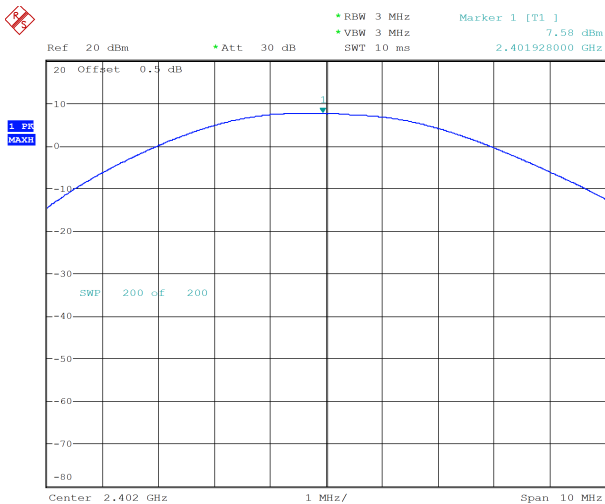
BLE 2M

High 7.46 dBm



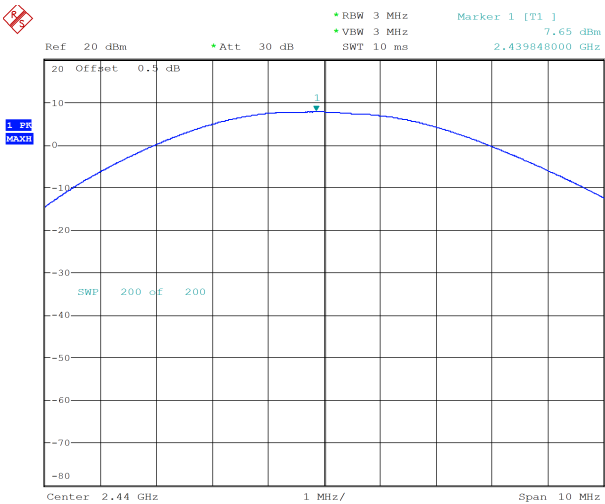
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:45:31

Low 7.58 dBm



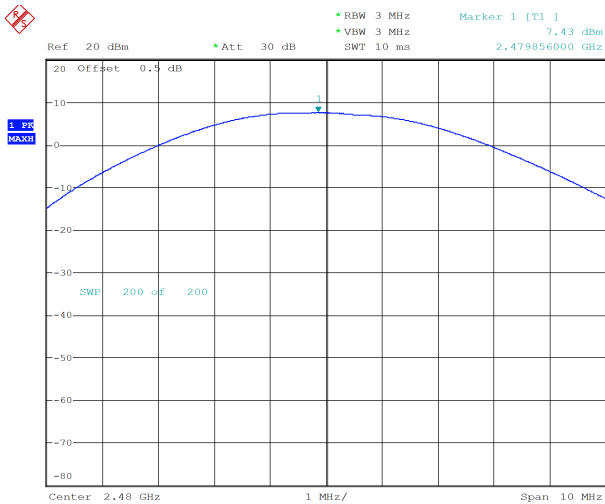
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:02:44

Middle 7.65 dBm



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:11:11

High 7.43 dBm



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:15:45

**100 kHz Bandwidth of Frequency Band Edge****BLE 1M**

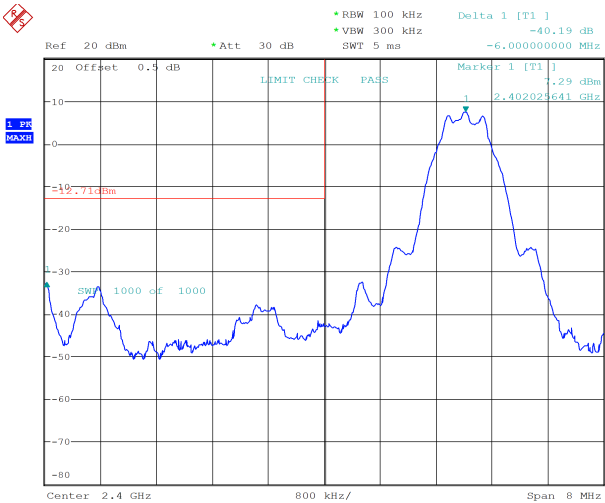
| Mode | Value (dB) | Limit (dB) | Result |
|------|------------|------------|--------|
| Low  | 40.19      | 20.00      | Pass   |
| High | 51.20      | 20.00      | Pass   |

**BLE 2M**

| Mode | Value (dB) | Limit (dB) | Result |
|------|------------|------------|--------|
| Low  | 32.26      | 20.00      | Pass   |
| High | 54.72      | 20.00      | Pass   |

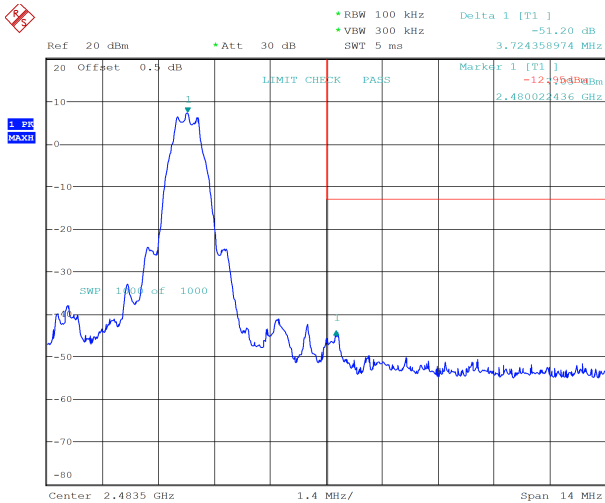
BLE 1M

Low 40.19 dB



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:41:22

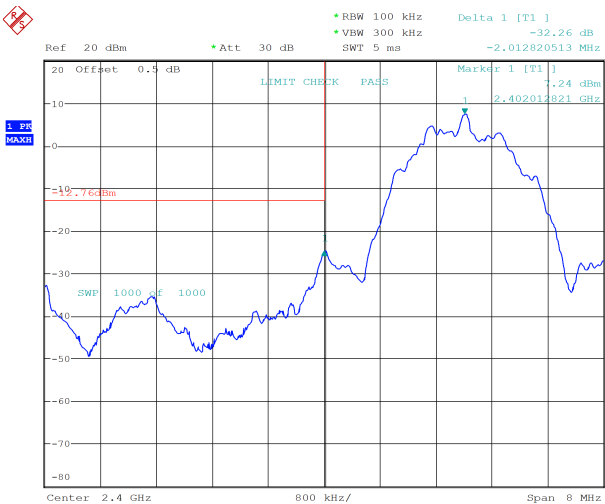
High 51.20 dB



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:44:26

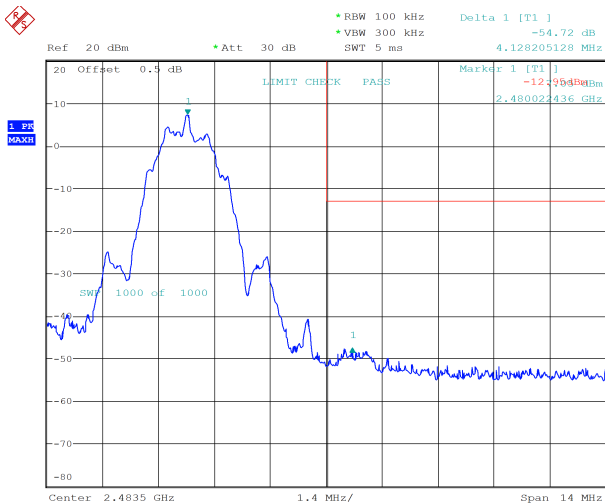
BLE 2M

Low 32.26 dB



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:01:36

High 54.72 dB



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:14:34

**Power Spectral Density****BLE 1M**

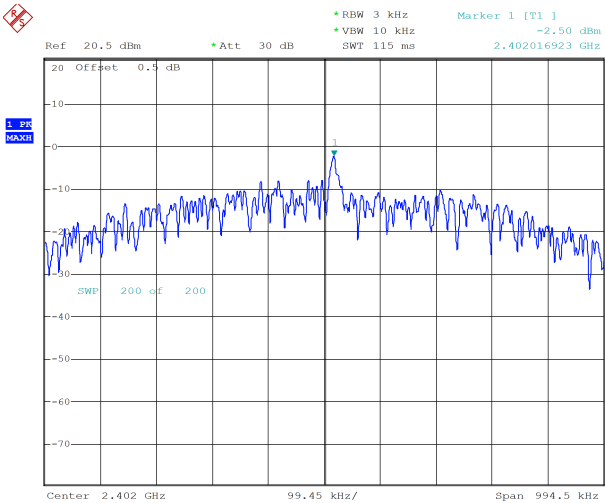
| Mode   | Value<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low    | -2.50               | 8.00                | Pass   |
| Middle | -2.79               | 8.00                | Pass   |
| High   | -2.77               | 8.00                | Pass   |

**BLE 2M**

| Mode   | Value<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
|--------|---------------------|---------------------|--------|
| Low    | -3.39               | 8.00                | Pass   |
| Middle | -3.50               | 8.00                | Pass   |
| High   | -3.53               | 8.00                | Pass   |

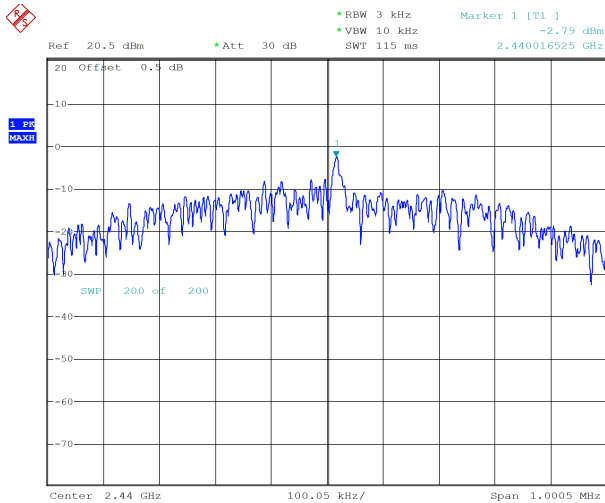
BLE 1M

Low -2.50 dBm/3kHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:39:24

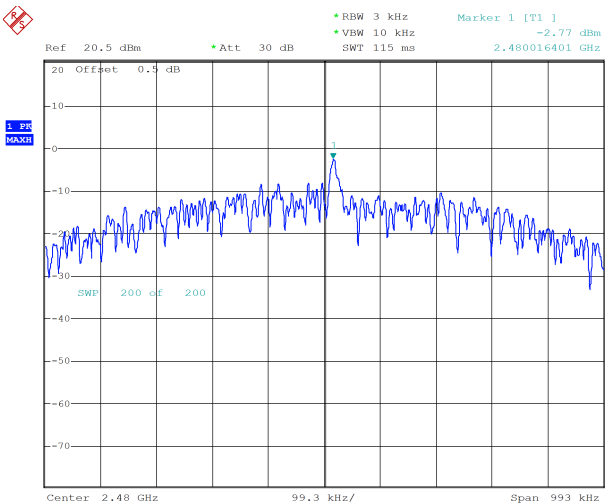
Middle -2.79 dBm/3kHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:43:09

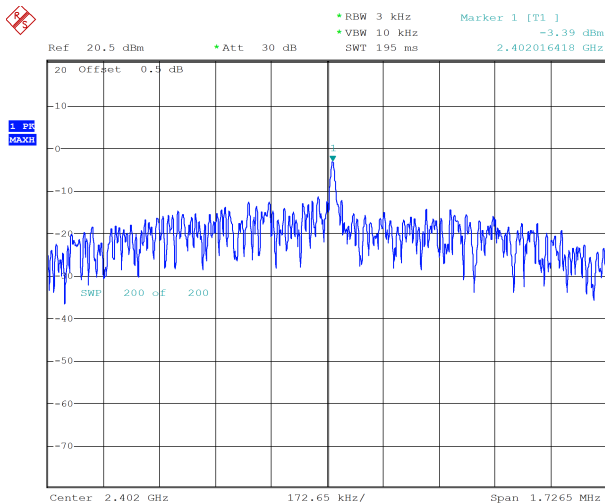
BLE 2M

High -2.77 dBm/3kHz



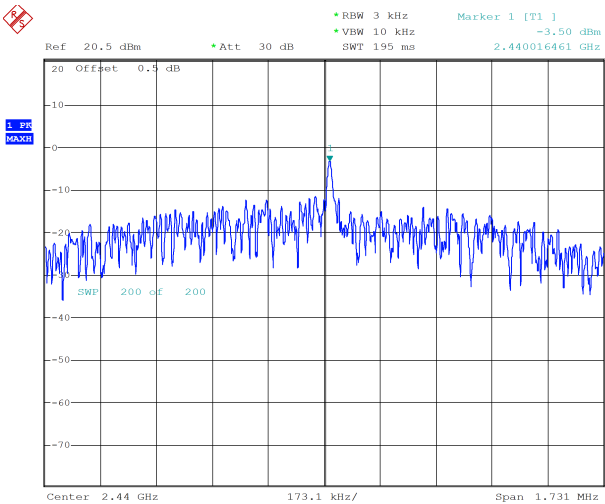
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:46:05

Low -3.39 dBm/3kHz



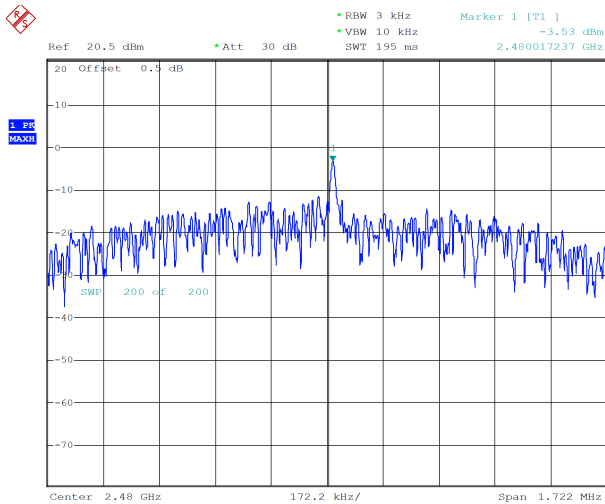
Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:07:55

Middle -3.50 dBm/3kHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:12:01

High -3.53 dBm/3kHz



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:16:35

**Duty Cycle****BLE 1M**

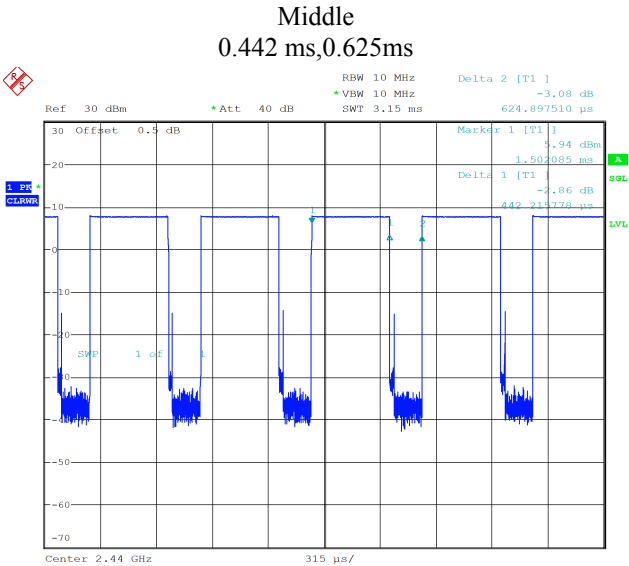
| Mode   | Ton<br>(ms) | Ton+Toff<br>(ms) | Duty Cycle<br>(%) | 1/Ton<br>(Hz) | VBW Setting<br>(kHz) |
|--------|-------------|------------------|-------------------|---------------|----------------------|
| Middle | 0.442       | 0.625            | 70.72             | 2262          | 3                    |

**BLE 2M**

| Mode   | Ton<br>(ms) | Ton+Toff<br>(ms) | Duty Cycle<br>(%) | 1/Ton<br>(Hz) | VBW Setting<br>(kHz) |
|--------|-------------|------------------|-------------------|---------------|----------------------|
| Middle | 0.257       | 0.625            | 41.12             | 3891          | 5                    |

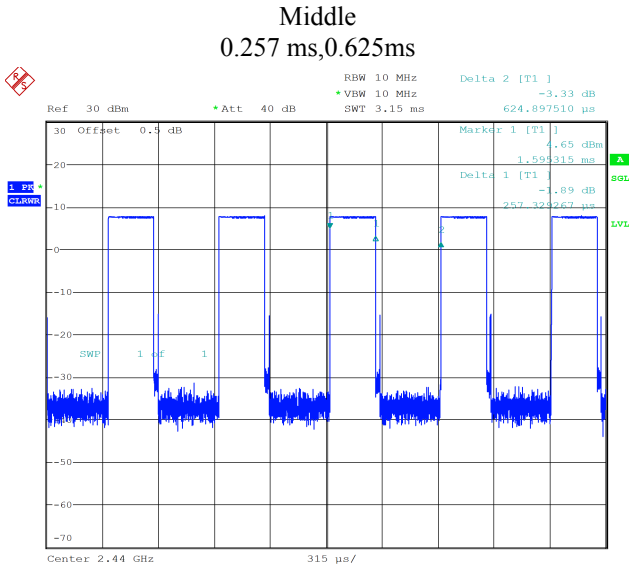
**Duty Cycle = Ton/(Ton+Toff)\*100%**

BLE 1M



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 17:37:15

BLE 2M



Comment: ProjectNo.:CR240315580-RF Tester:Lingling Li  
Date: 3.APR.2024 18:00:15