

Test Information:

|             |             |              |              |
|-------------|-------------|--------------|--------------|
| Sample No.: | 2TLH-2      | Test Date:   | 2024/11/06   |
| Test Site:  | RF          | Test Mode:   | Transmitting |
| Tester:     | Lingling Li | Test Result: | Pass         |

Environmental Conditions:

|                       |      |                           |    |                        |       |
|-----------------------|------|---------------------------|----|------------------------|-------|
| Temperature:<br>(°C): | 26.1 | Relative Humidity:<br>(%) | 53 | ATM Pressure:<br>(kPa) | 101.5 |
|-----------------------|------|---------------------------|----|------------------------|-------|

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

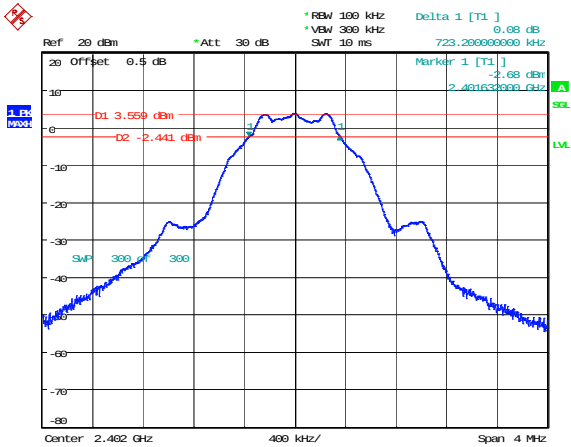
| Channel | Result (MHz) | Limit (MHz) | Verdict |
|---------|--------------|-------------|---------|
| Low     | 0.723        | $\geq 0.5$  | Pass    |
| Middle  | 0.720        | $\geq 0.5$  | Pass    |
| High    | 0.726        | $\geq 0.5$  | Pass    |

BLE 2M

| Channel | Result (MHz) | Limit (MHz) | Verdict |
|---------|--------------|-------------|---------|
| Low     | 1.110        | $\geq 0.5$  | Pass    |
| Middle  | 1.110        | $\geq 0.5$  | Pass    |
| High    | 1.114        | $\geq 0.5$  | Pass    |

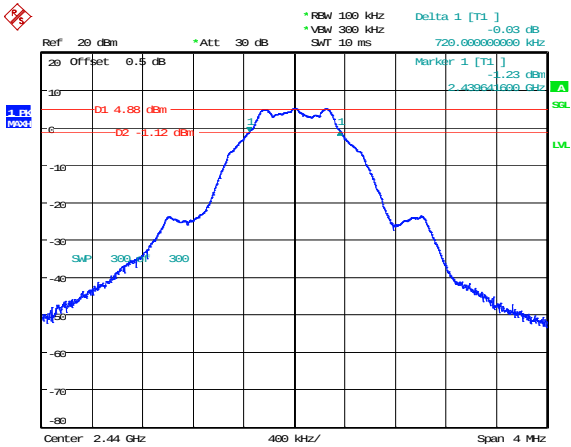
BLE 1M

BLE\_1M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:40:00

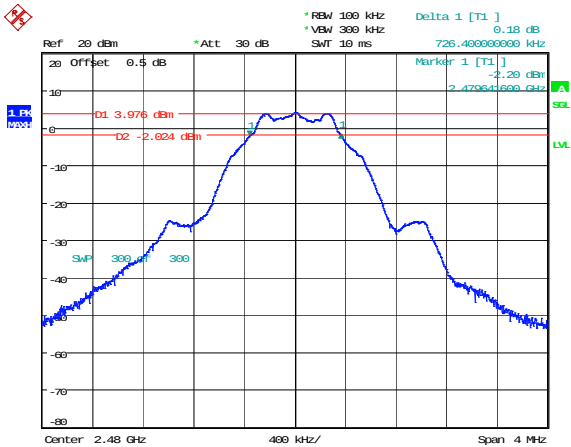
BLE\_1M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:42:44

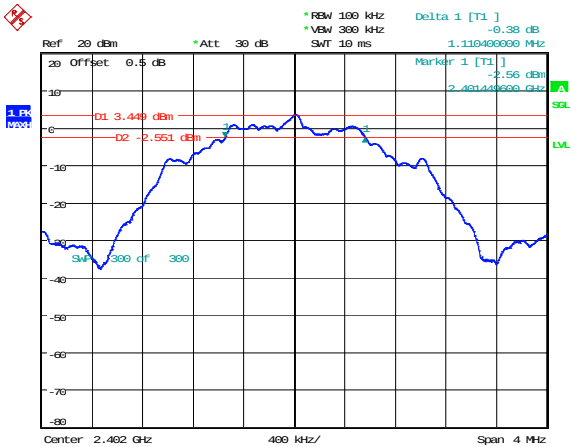
BLE 2M

BLE\_1M\_High\_Channel



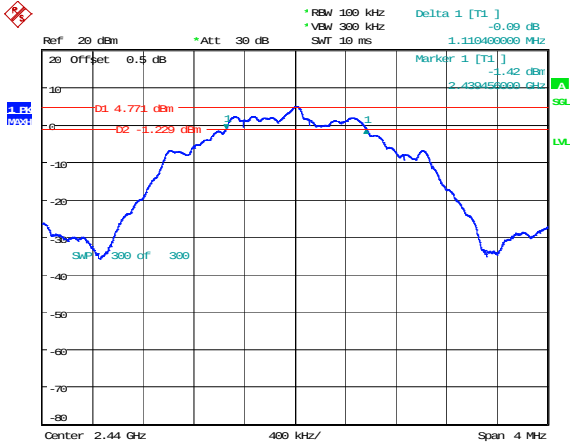
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:44:53

BLE\_2M\_Low\_Channel



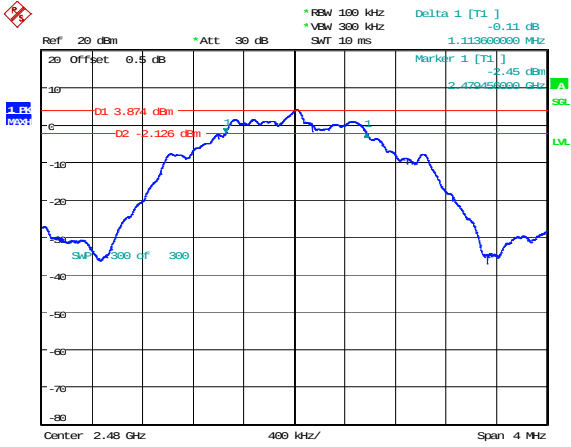
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:48:04

BLE\_2M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:50:20

BLE\_2M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:53:23

99% Occupied Bandwidth

BLE 1M

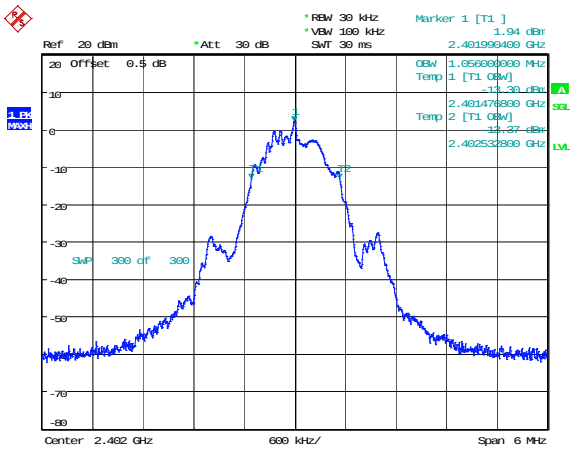
| Channel | 99% OBW<br>(MHz) |
|---------|------------------|
| Low     | 1.056            |
| Middle  | 1.056            |
| High    | 1.056            |

BLE 2M

| Channel | 99% OBW<br>(MHz) |
|---------|------------------|
| Low     | 2.069            |
| Middle  | 2.074            |
| High    | 2.074            |

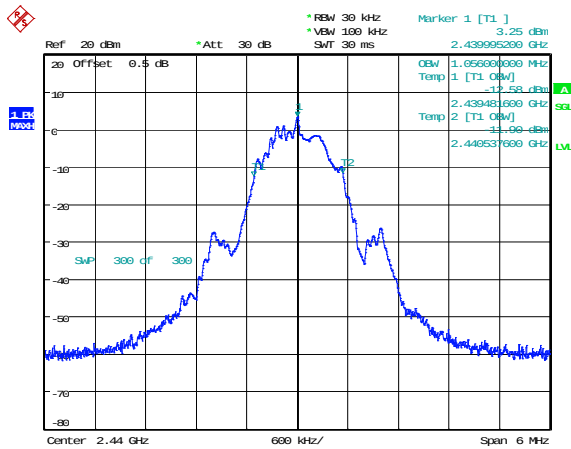
BLE 1M

BLE\_1M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:40:32

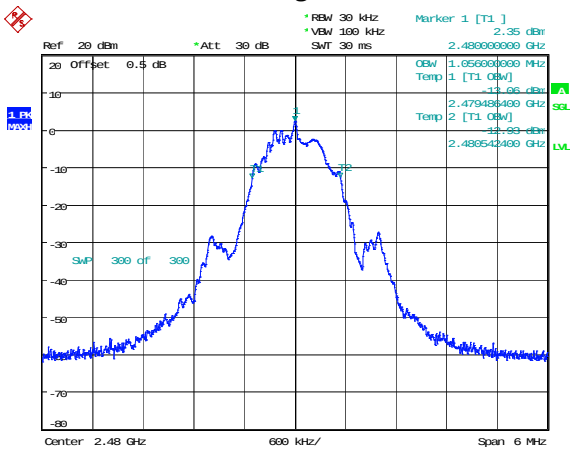
BLE\_1M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:43:13

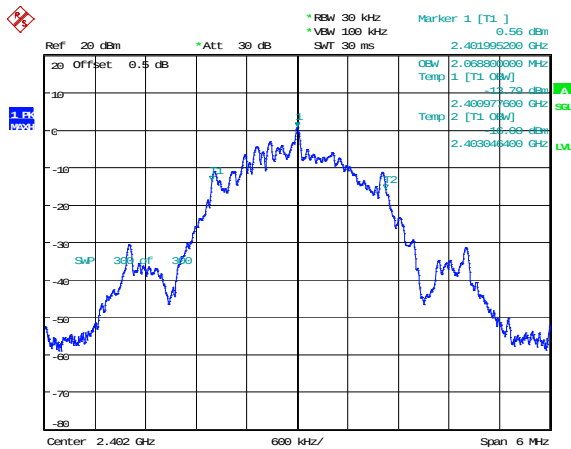
BLE 2M

BLE\_1M\_High\_Channel



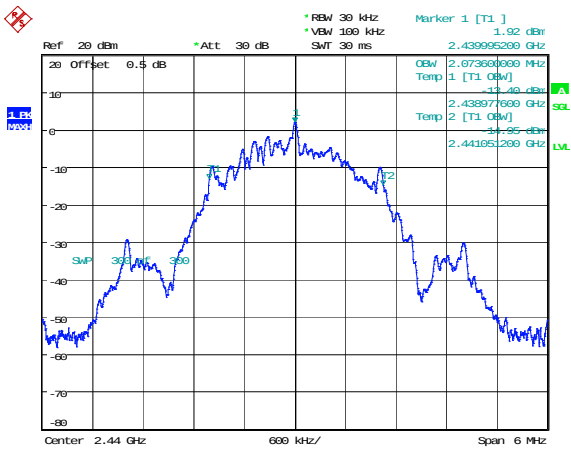
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:45:29

BLE\_2M\_Low\_Channel



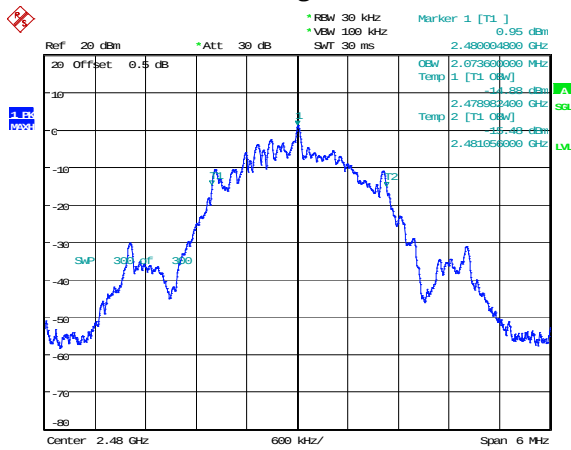
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:48:39

BLE\_2M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:50:52

BLE\_2M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing LI  
Date: 6.NOV.2024 16:53:58

Maximum Conducted Output Power

BLE 1M

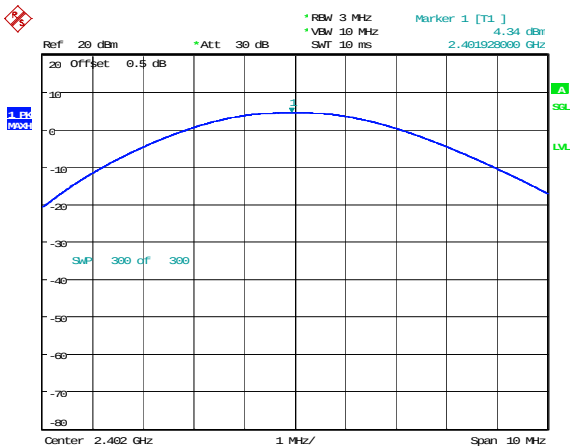
| Channel | Result (dBm) | Limit (dBm) | Verdict |
|---------|--------------|-------------|---------|
| Low     | 4.34         | 30.00       | Pass    |
| Middle  | 5.66         | 30.00       | Pass    |
| High    | 4.76         | 30.00       | Pass    |

BLE 2M

| Channel | Result (dBm) | Limit (dBm) | Verdict |
|---------|--------------|-------------|---------|
| Low     | 4.33         | 30.00       | Pass    |
| Middle  | 5.64         | 30.00       | Pass    |
| High    | 4.74         | 30.00       | Pass    |

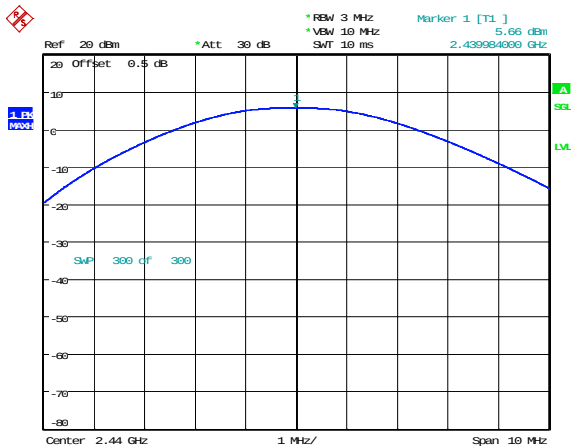
BLE 1M

BLE\_1M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:41:36

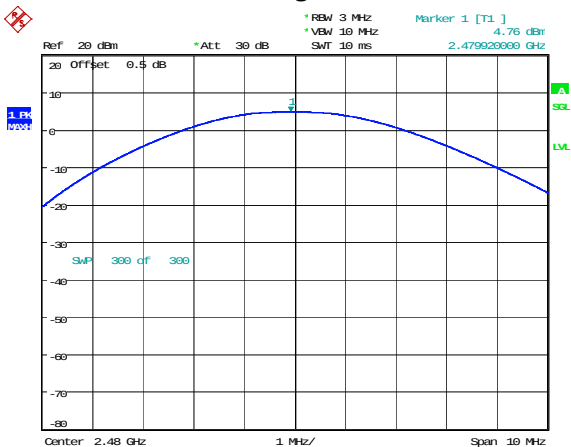
BLE\_1M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:43:41

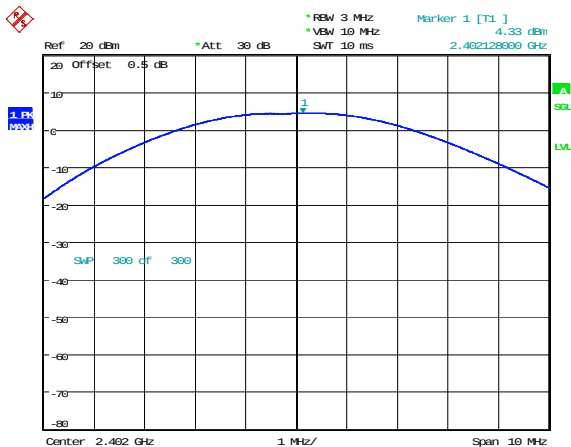
BLE 2M

BLE\_1M\_High\_Channel



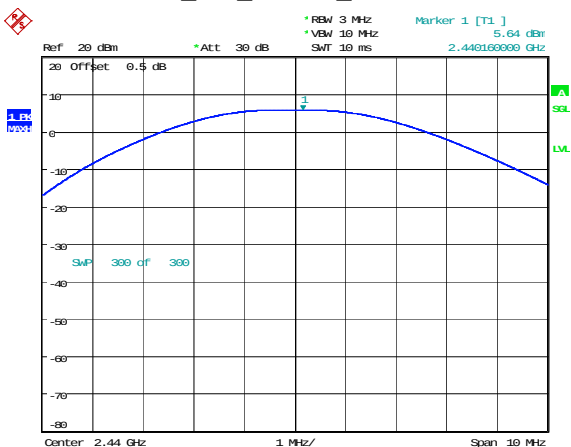
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:45:54

BLE\_2M\_Low\_Channel



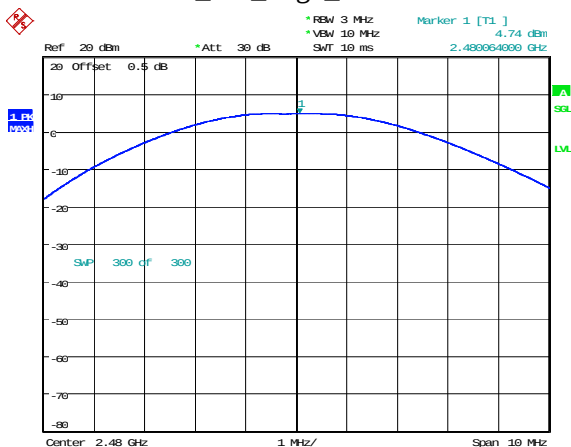
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:49:06

BLE\_2M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:51:20

BLE\_2M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:54:26

Power Spectral Density

BLE 1M

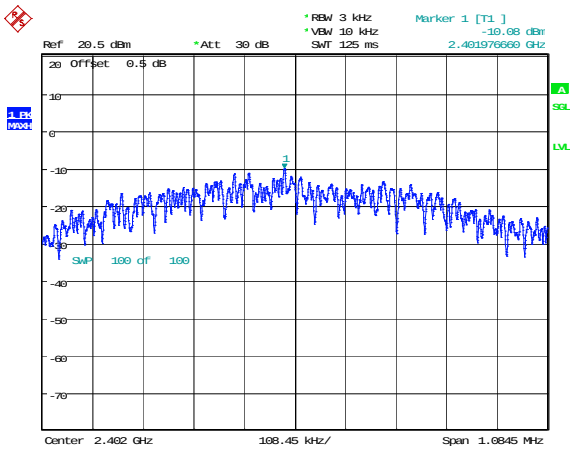
| Channel | Result<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Verdict |
|---------|----------------------|---------------------|---------|
| Low     | -10.08               | 8                   | Pass    |
| Middle  | -8.78                | 8                   | Pass    |
| High    | -9.69                | 8                   | Pass    |

BLE 2M

| Channel | Result<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Verdict |
|---------|----------------------|---------------------|---------|
| Low     | -12.91               | 8                   | Pass    |
| Middle  | -11.42               | 8                   | Pass    |
| High    | -12.44               | 8                   | Pass    |

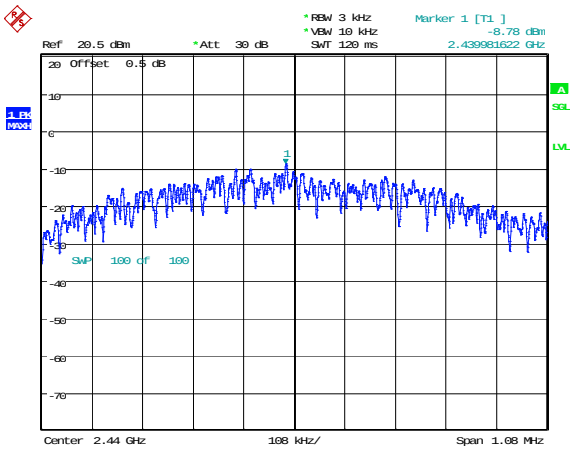
BLE 1M

BLE\_1M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:42:01

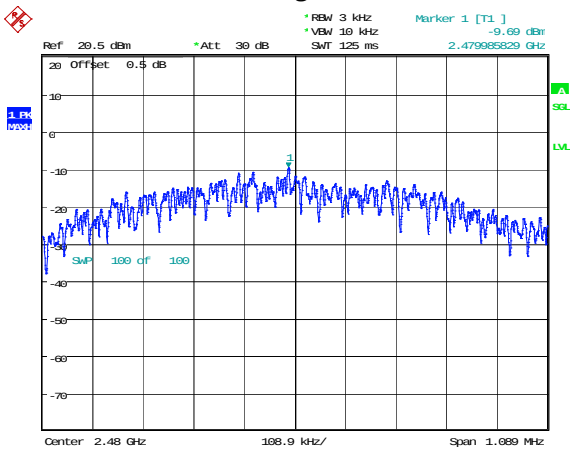
BLE\_1M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:44:06

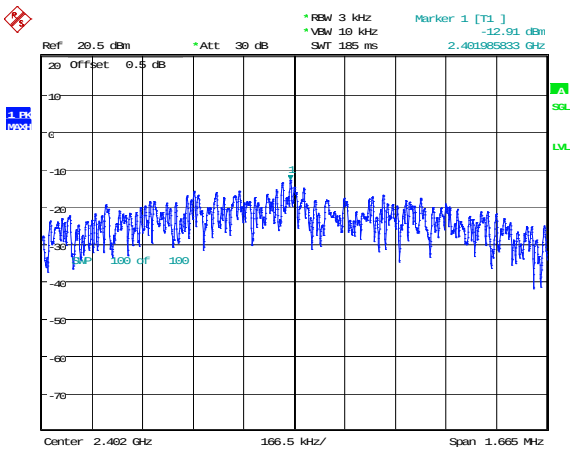
BLE 2M

BLE\_1M\_High\_Channel



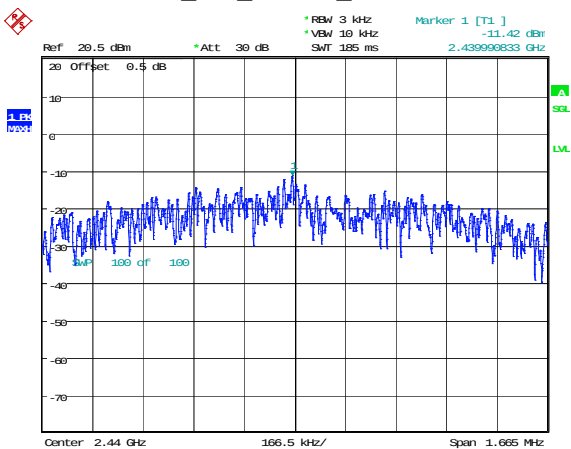
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:46:20

BLE\_2M\_Low\_Channel



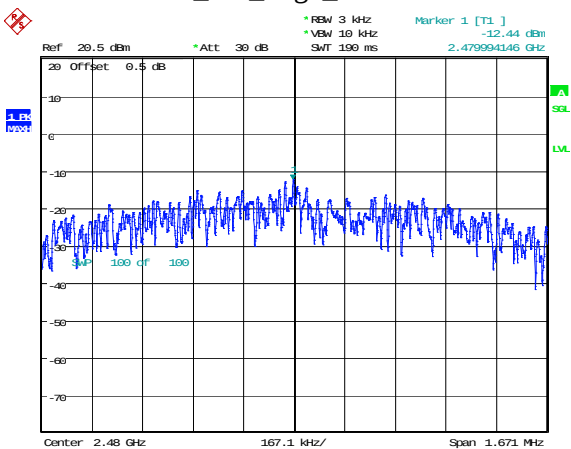
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:49:39

BLE\_2M\_Middle\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:51:51

BLE\_2M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:54:59

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

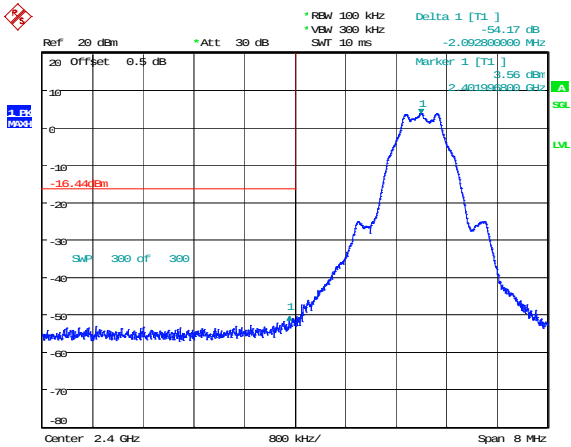
| Channel | Result (dB) | Limit (dB) | Verdict |
|---------|-------------|------------|---------|
| Low     | 54.17       | 20         | Pass    |
| High    | 56.67       | 20         | Pass    |

BLE 2M

| Channel | Result (dB) | Limit (dB) | Verdict |
|---------|-------------|------------|---------|
| Low     | 31.25       | 20         | Pass    |
| High    | 55.74       | 20         | Pass    |

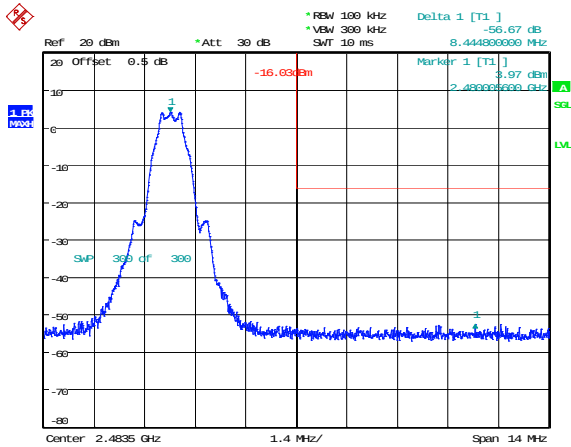
BLE 1M

BLE\_1M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:36:58

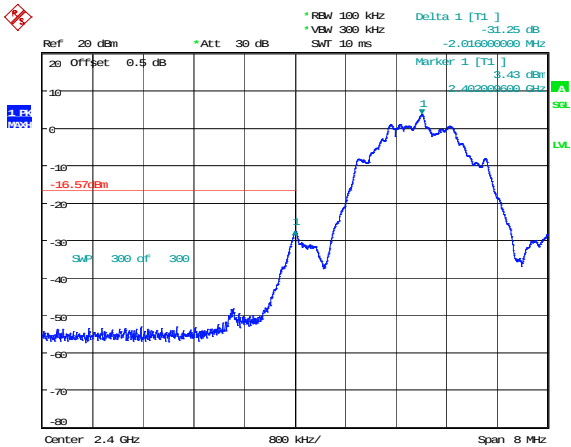
BLE\_1M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:38:39

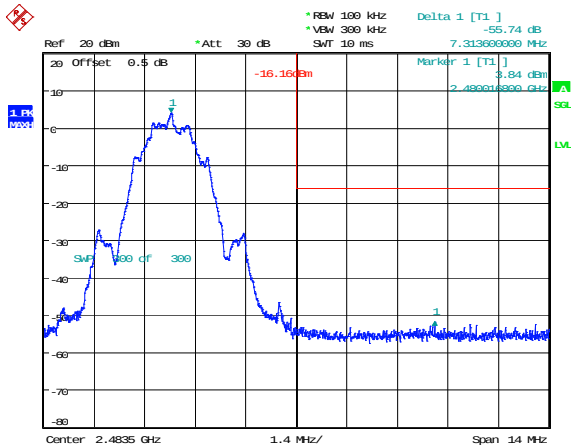
BLE 2M

BLE\_2M\_Low\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:47:32

BLE\_2M\_High\_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li  
Date: 6.NOV.2024 16:52:43

Duty Cycle

BLE 1M

| Channel | Ton<br>(ms) | Ton+Toff<br>(ms) | Duty Cycle<br>(%) | Duty Cycle<br>Factor(dB) | 1/Ton<br>(Hz) | VBW Setting<br>(kHz) |
|---------|-------------|------------------|-------------------|--------------------------|---------------|----------------------|
| Middle  | 0.390       | 0.625            | 62.40             | 2.05                     | 2564          | 3                    |

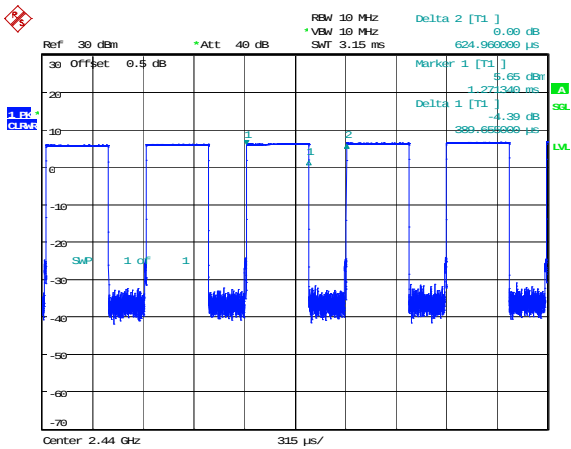
BLE 2M

| Channel | Ton<br>(ms) | Ton+Toff<br>(ms) | Duty Cycle<br>(%) | Duty Cycle<br>Factor(dB) | 1/Ton<br>(Hz) | VBW Setting<br>(kHz) |
|---------|-------------|------------------|-------------------|--------------------------|---------------|----------------------|
| Middle  | 0.205       | 0.625            | 32.80             | 4.84                     | 4878          | 5                    |

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

BLE 1M

BLE\_1M\_Middle\_Channel



BLE 2M

BLE\_2M\_Middle\_Channel

