

Test Information:

|             |             |              |              |
|-------------|-------------|--------------|--------------|
| Sample No.: | 2XL7-1      | Test Date:   | 2025/01/23   |
| Test Site:  | RF          | Test Mode:   | Transmitting |
| Tester:     | Lingling Li | Test Result: | Pass         |

Environmental Conditions:

|                      |      |                              |    |                        |       |
|----------------------|------|------------------------------|----|------------------------|-------|
| Temperature:<br>(°C) | 24.6 | Relative<br>Humidity:<br>(%) | 52 | ATM Pressure:<br>(kPa) | 101.1 |
|----------------------|------|------------------------------|----|------------------------|-------|

Test Equipment List and Details:

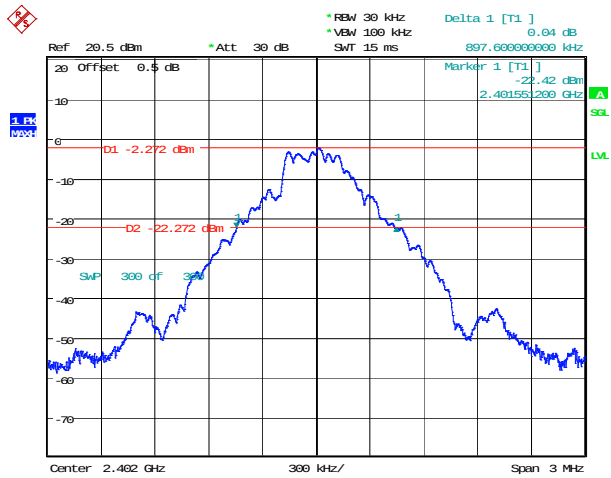
| Manufacturer | Description       | Model  | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|--------|---------------|------------------|----------------------|
| R&S          | Spectrum Analyzer | FSU26  | 100147        | 2024/04/01       | 2025/03/31           |
| R&S          | Spectrum Analyzer | FSU26  | 200256        | 2024/04/01       | 2025/03/31           |
| YINSAIGE     | Coaxial Cable     | LMR300 | NJ0100001     | 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).

**20 dB Emission Bandwidth**

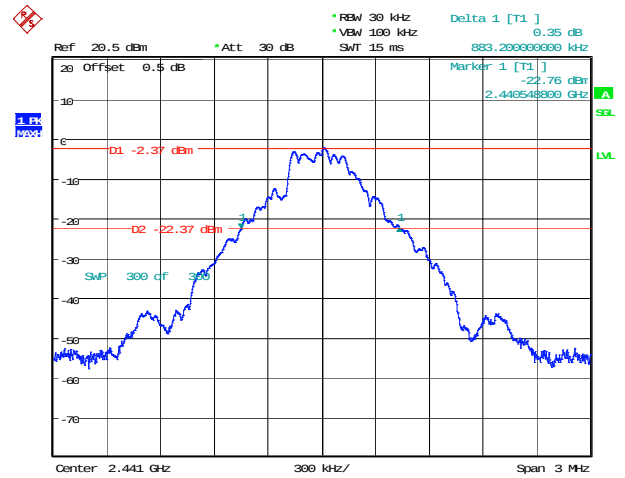
| Mode | Channel | Result (MHz) |
|------|---------|--------------|
| DH1  | Low     | 0.898        |
|      | Middle  | 0.883        |
|      | High    | 0.883        |
| 2DH1 | Low     | 1.272        |
|      | Middle  | 1.267        |
|      | High    | 1.270        |
| 3DH1 | Low     | 1.260        |
|      | Middle  | 1.265        |
|      | High    | 1.262        |

DH1\_Low



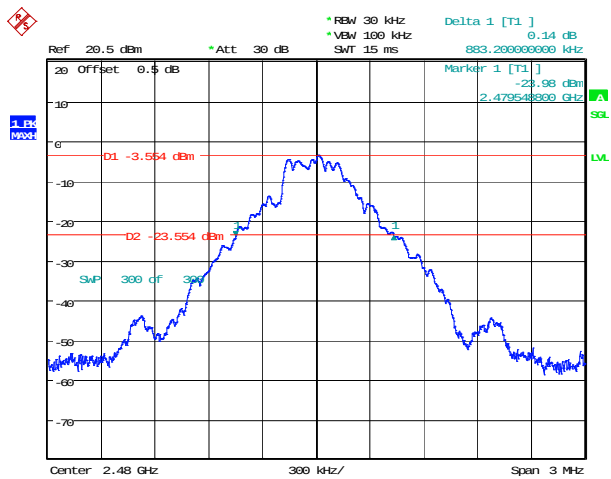
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 10:56:49

DH1\_Middle



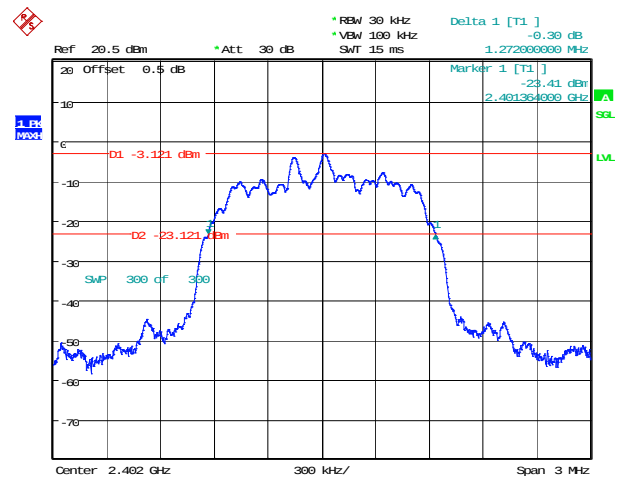
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:00:56

DH1\_High



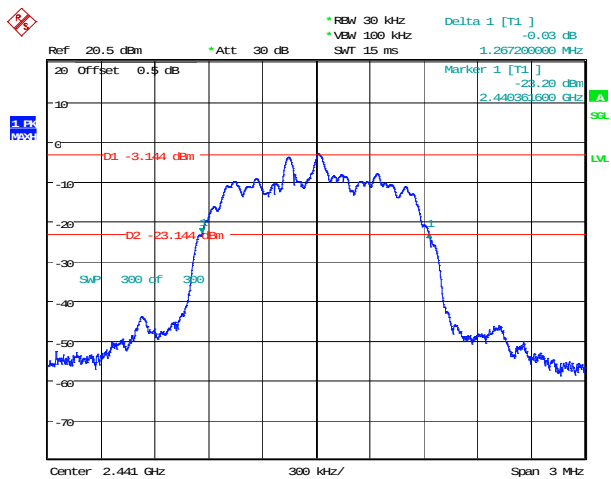
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:04:49

2DH1\_Low



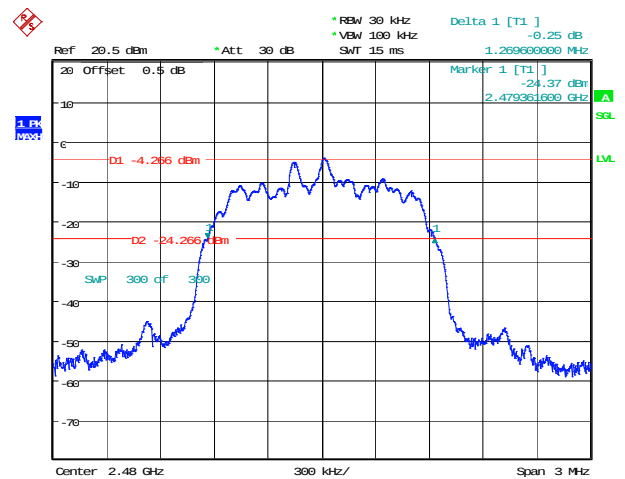
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:09:29

2DH1\_Middle



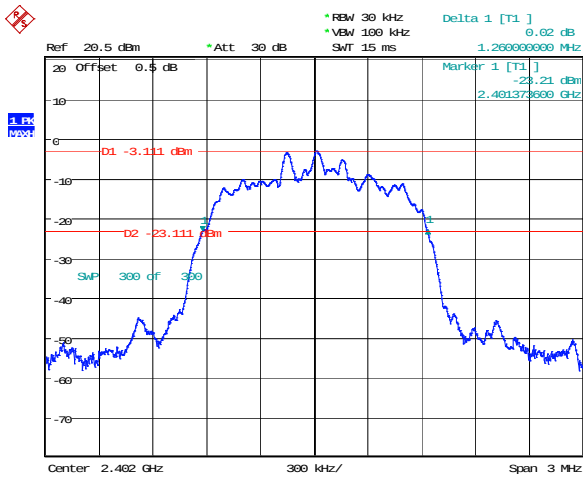
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:12:59

2DH1\_High



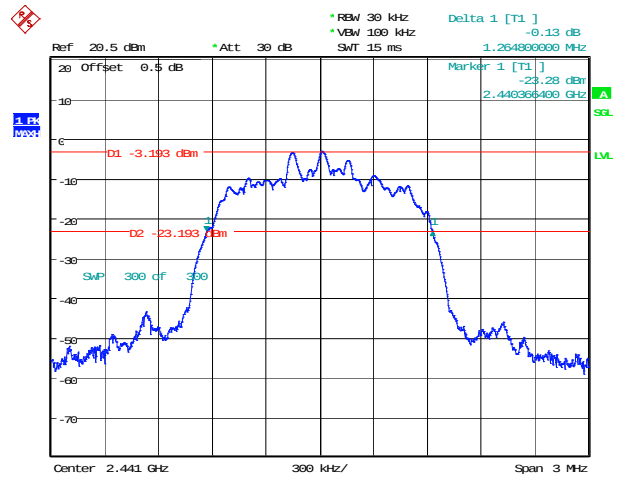
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:15:32

3DH1\_Low



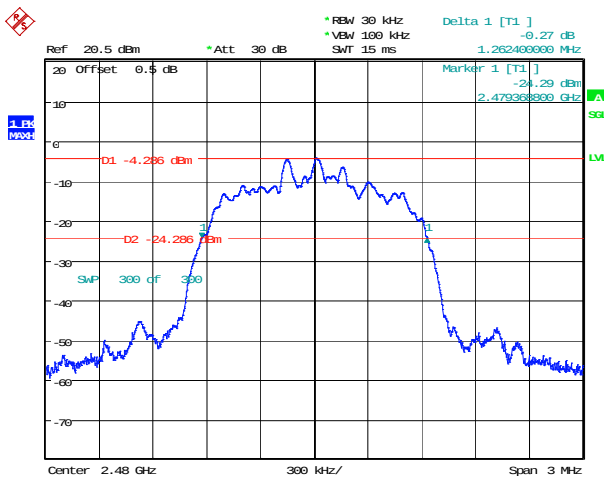
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:19:19

3DH1\_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:23:08

3DH1\_High

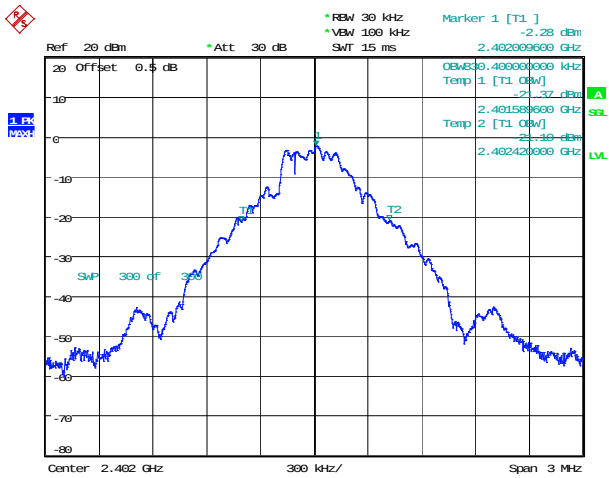


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:25:44

**99% Occupied Bandwidth**

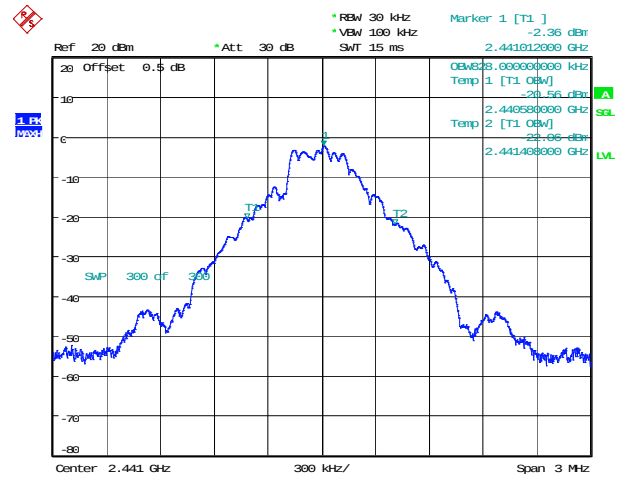
| Mode | Channel | 99% OBW<br>(MHz) |
|------|---------|------------------|
| DH1  | Low     | 0.830            |
|      | Middle  | 0.828            |
|      | High    | 0.826            |
| 2DH1 | Low     | 1.166            |
|      | Middle  | 1.169            |
|      | High    | 1.166            |
| 3DH1 | Low     | 1.152            |
|      | Middle  | 1.152            |
|      | High    | 1.150            |

DH1\_Low



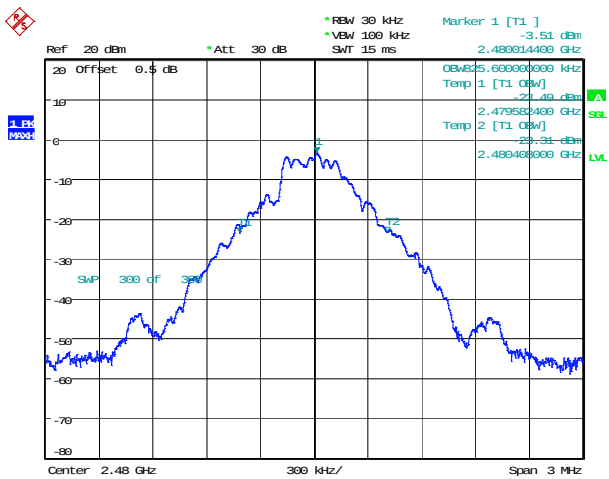
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 10:58:28

DH1\_Middle



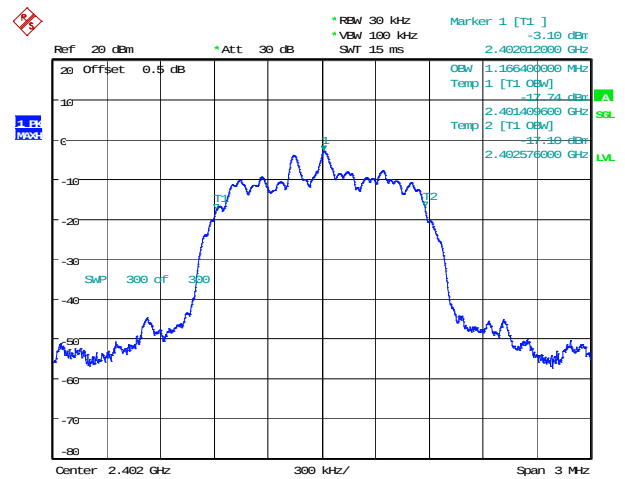
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:01:25

DH1\_High



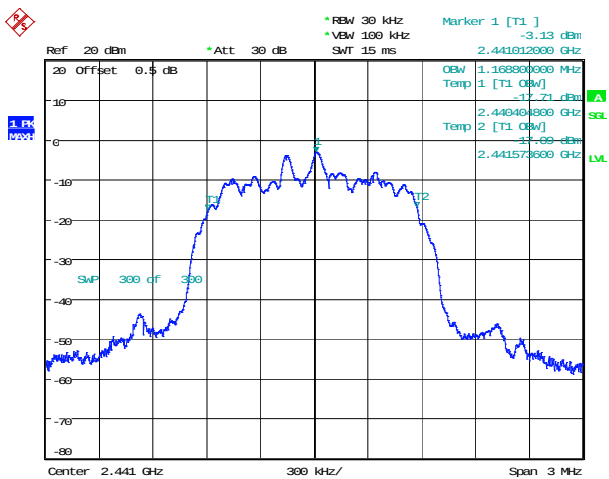
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:06:29

2DH1\_Low



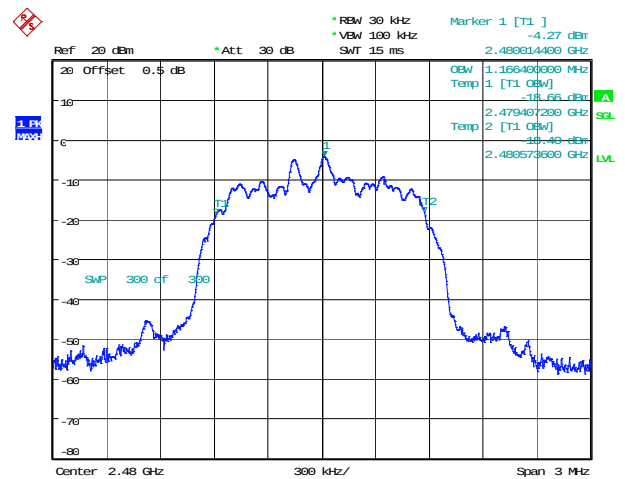
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:10:58

2DH1\_Middle



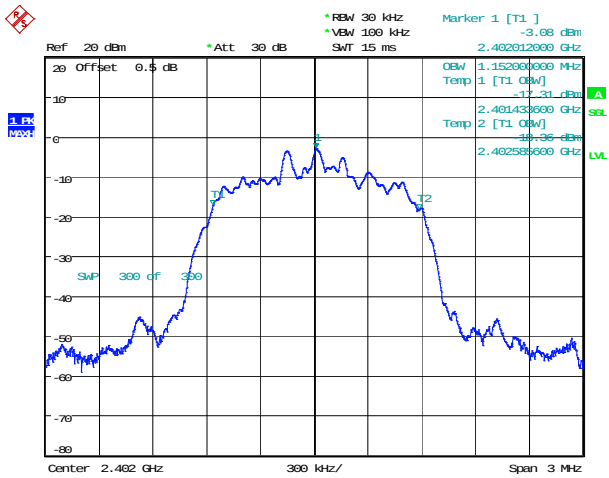
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:13:28

2DH1\_High



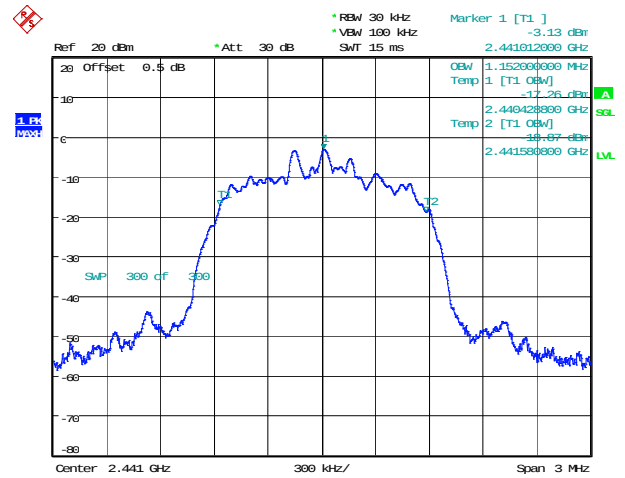
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:17:22

3DH1\_Low



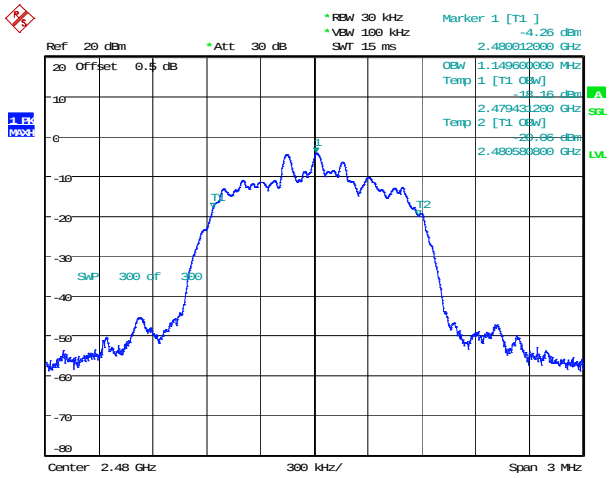
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:20:58

3DH1\_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:23:37

3DH1\_High



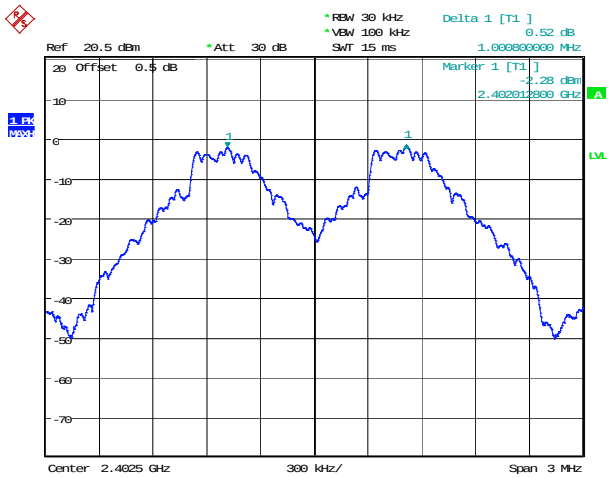
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:27:32

**Channel Separation**

| Mode | Channel | Result (MHz) | Limit (MHz) | Verdict |
|------|---------|--------------|-------------|---------|
| DH1  | Low     | 1.001        | 0.848       | Pass    |
|      | Middle  | 1.003        | 0.845       | Pass    |
|      | High    | 1.001        | 0.847       | Pass    |

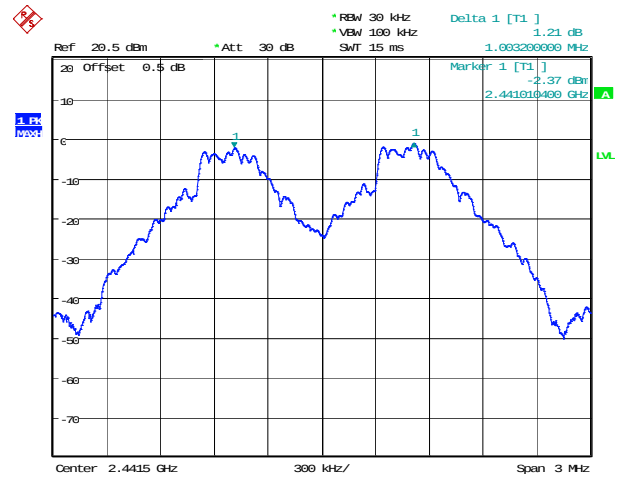
**Note:** Only the BDR (GFSK) mode result is reported since EDR ( $\pi/4$ -DQPSK) and EDR (8DPSK) modes have the exact same channel plan, and the limit is the maximum 20dB bandwidth \*2/3.

DH1\_Low



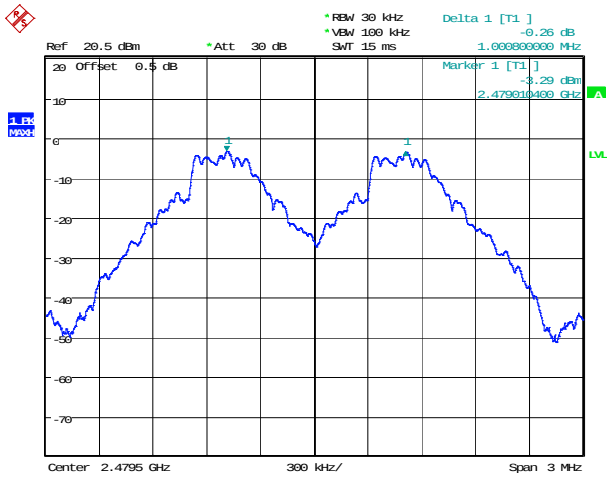
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:00:07

DH1\_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:02:51

DH1\_High

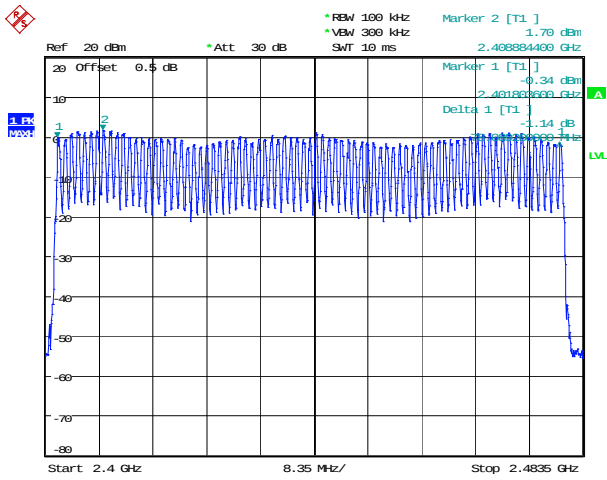


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:00:38

**Number of Hopping Frequency**

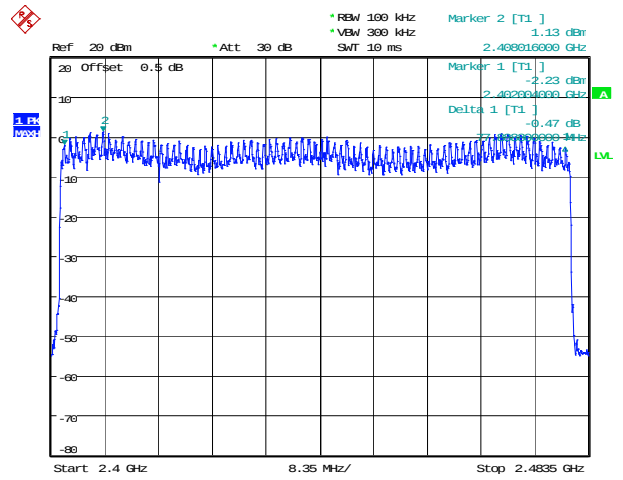
| Mode | Channel | Result | Limit | Verdict |
|------|---------|--------|-------|---------|
| DH1  | Hopping | 79     | 15    | Pass    |
| 2DH1 | Hopping | 79     | 15    | Pass    |
| 3DH1 | Hopping | 79     | 15    | Pass    |

## DH1\_Hopping



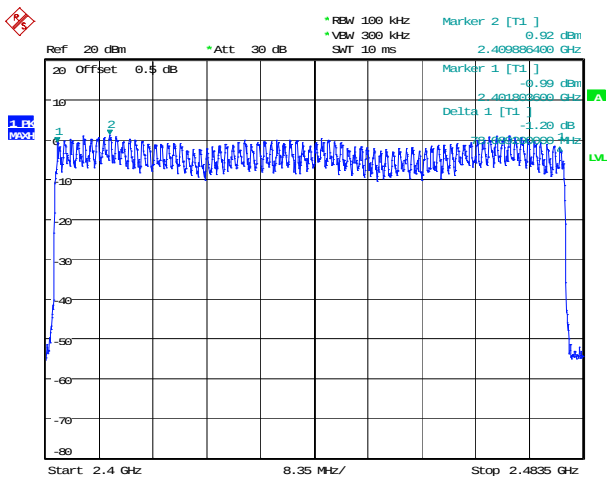
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:12:55

## 2DH1\_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:18:14

## 3DH1\_Hopping

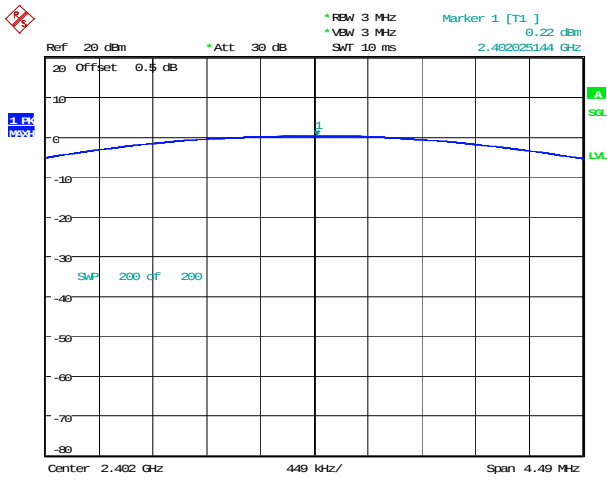


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:23:45

**Maximum Conducted Output Power**

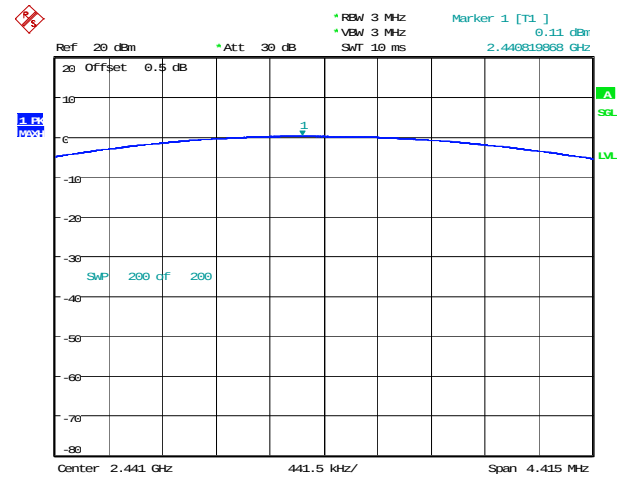
| Mode | Test Frequency (MHz) | Peak Output Power (dBm) | Limit (dBm) | Verdict |
|------|----------------------|-------------------------|-------------|---------|
| DH1  | 2402                 | 0.22                    | 21.00       | Pass    |
|      | 2441                 | 0.11                    | 21.00       | Pass    |
|      | 2480                 | -1.00                   | 21.00       | Pass    |
| 2DH1 | 2402                 | 1.33                    | 21.00       | Pass    |
|      | 2441                 | 1.42                    | 21.00       | Pass    |
|      | 2480                 | 0.23                    | 21.00       | Pass    |
| 3DH1 | 2402                 | 2.09                    | 21.00       | Pass    |
|      | 2441                 | 1.93                    | 21.00       | Pass    |
|      | 2480                 | 0.82                    | 21.00       | Pass    |

DH1\_Low



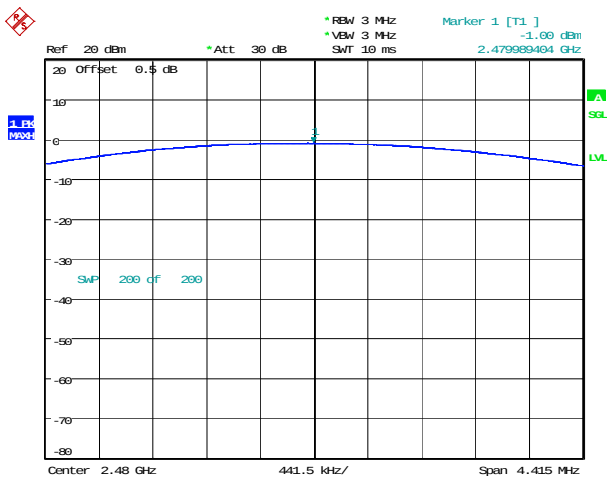
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 10:58:48

DH1\_Middle



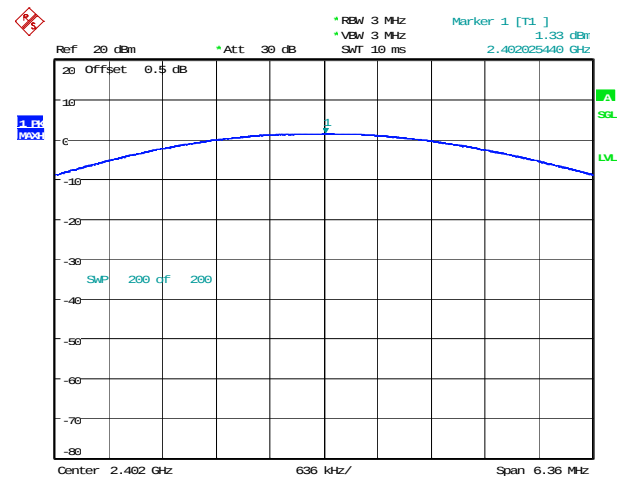
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:01:56

DH1\_High



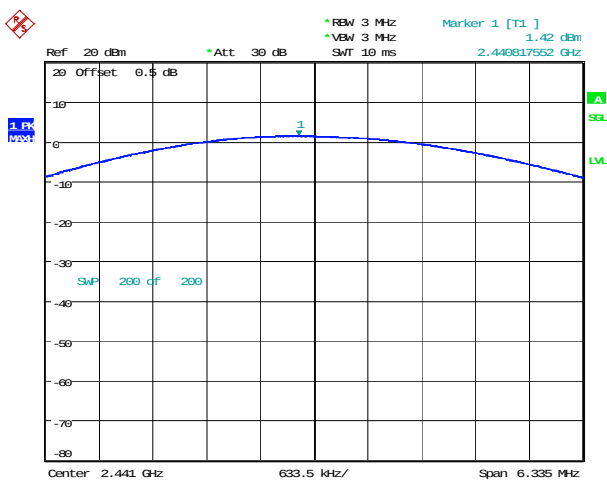
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:06:52

2DH1\_Low



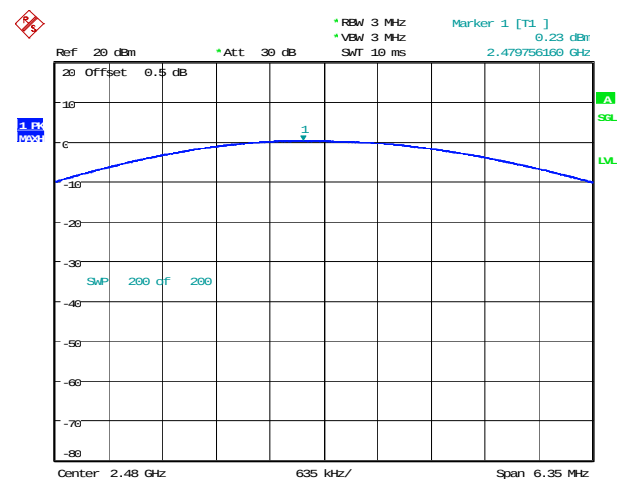
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:11:18

2DH1\_Middle



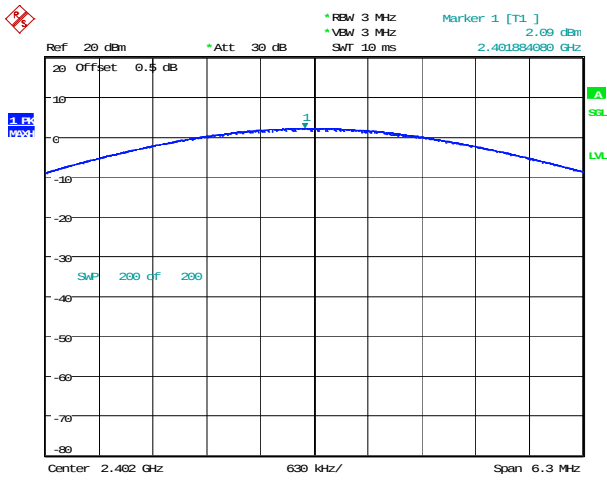
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:13:48

2DH1\_High



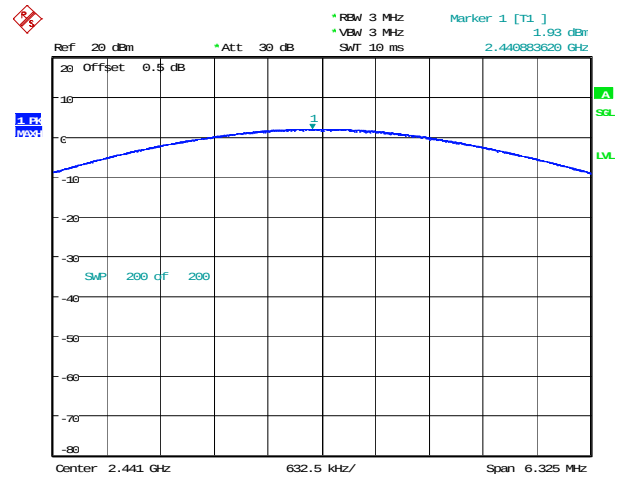
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:17:50

3DH1\_Low



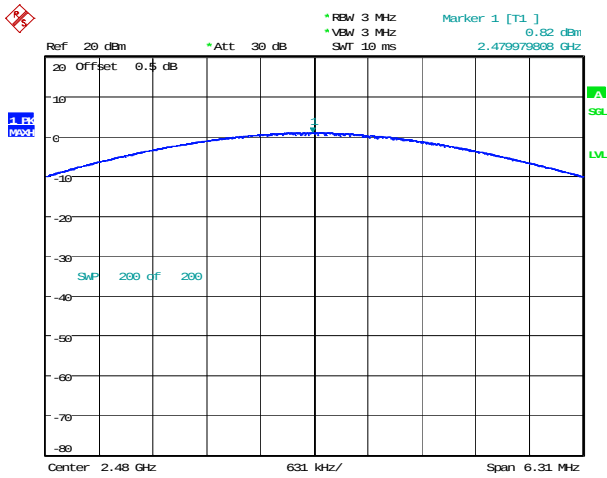
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:21:20

3DH1\_Middle



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:23:56

3DH1\_High

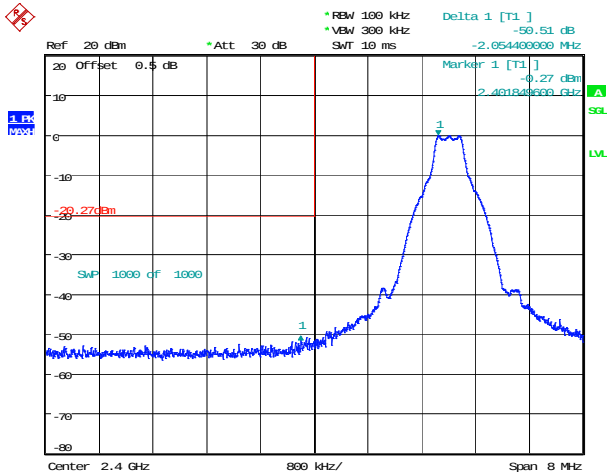


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:31:33

**100 kHz Bandwidth of Frequency Band Edge**

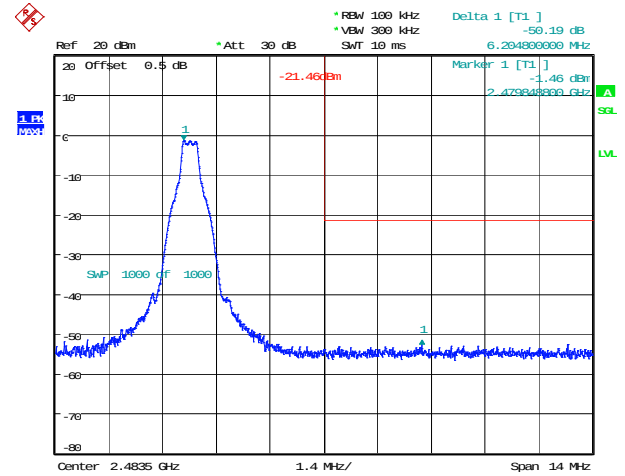
| Mode | Channel       | Result (dB) | Limit (dB) | Verdict |
|------|---------------|-------------|------------|---------|
| DH1  | Low           | 50.51       | 20.00      | Pass    |
|      | High          | 50.19       | 20.00      | Pass    |
|      | Hopping_Lower | 51.93       | 20.00      | Pass    |
|      | Hopping_Upper | 51.92       | 20.00      | Pass    |
| 2DH1 | Low           | 49.93       | 20.00      | Pass    |
|      | High          | 50.47       | 20.00      | Pass    |
|      | Hopping_Lower | 52.16       | 20.00      | Pass    |
|      | Hopping_Upper | 51.90       | 20.00      | Pass    |
| 3DH1 | Low           | 49.68       | 20.00      | Pass    |
|      | High          | 50.00       | 20.00      | Pass    |
|      | Hopping_Lower | 52.08       | 20.00      | Pass    |
|      | Hopping_Upper | 51.09       | 20.00      | Pass    |

DH1\_Low



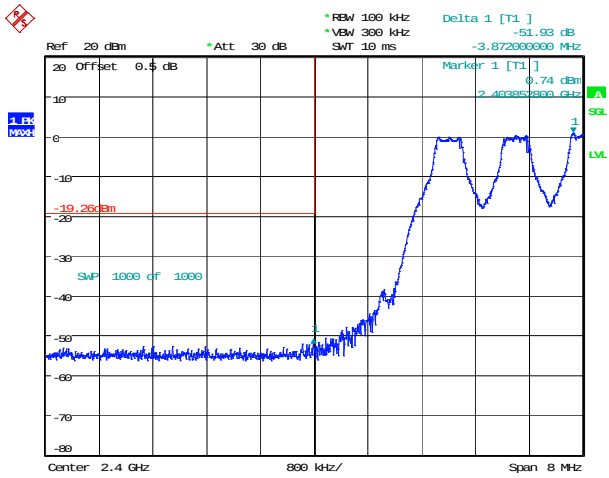
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 10:57:58

DH1\_High



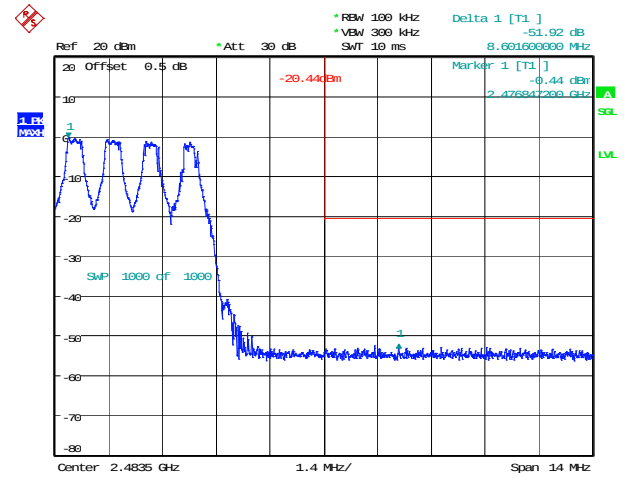
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:06:01

DH1\_Hopping\_Lower



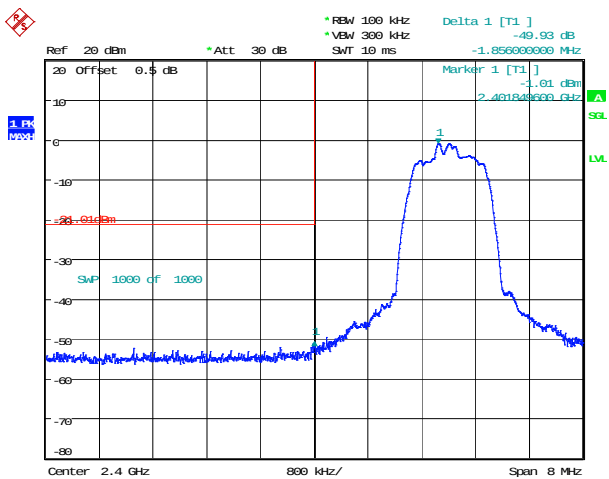
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:49:20

DH1\_Hopping\_Upper



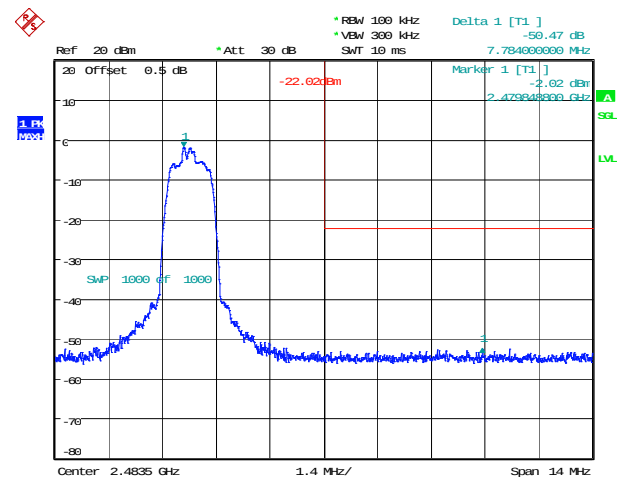
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:50:45

2DH1\_Low



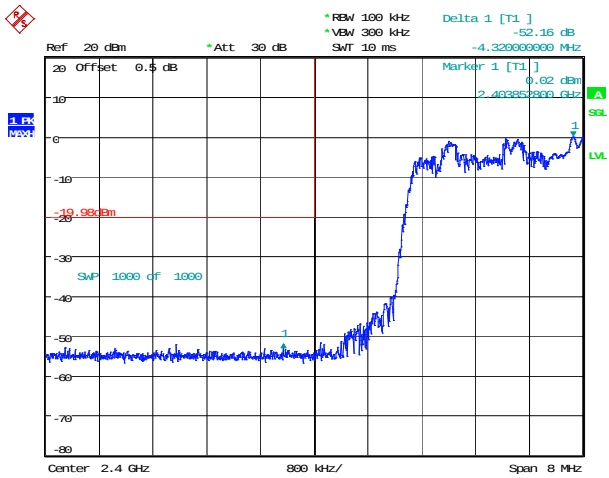
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:10:28

2DH1\_High



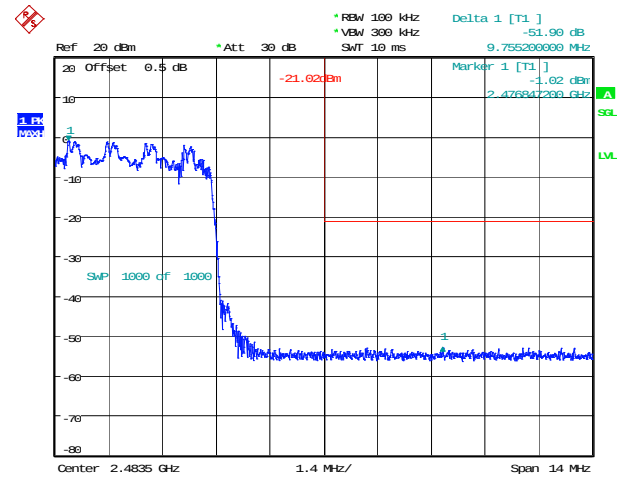
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:16:53

2DH1\_Hopping\_Lower



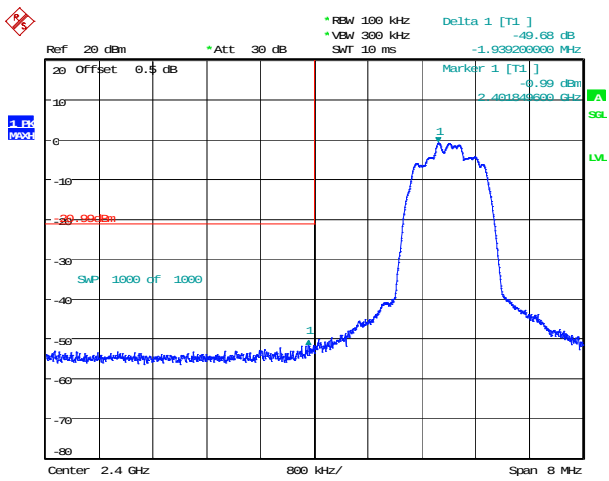
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:52:13

2DH1\_Hopping\_Upper



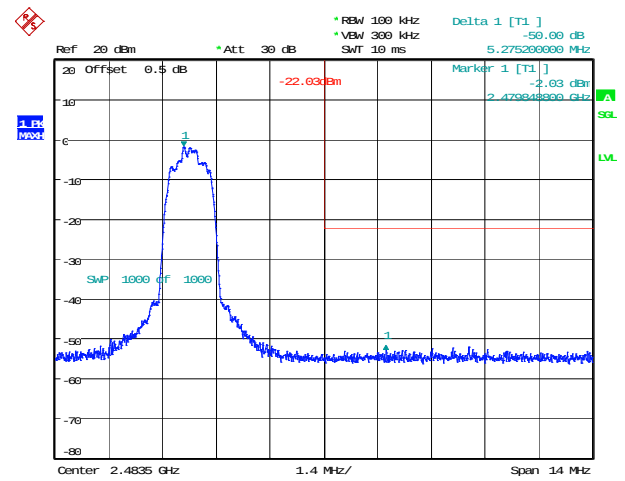
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:53:38

3DH1\_Low



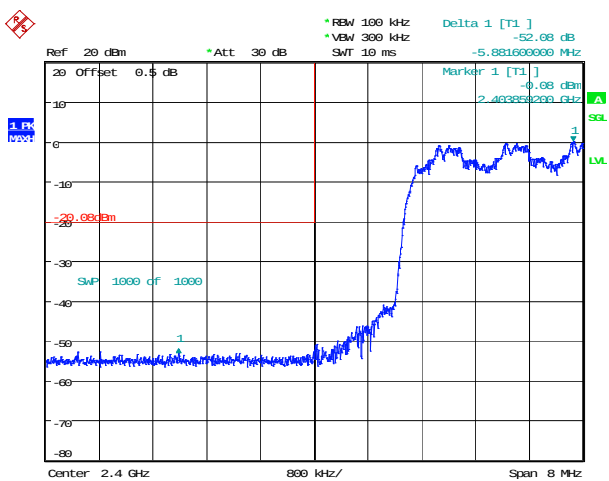
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:20:29

3DH1\_High



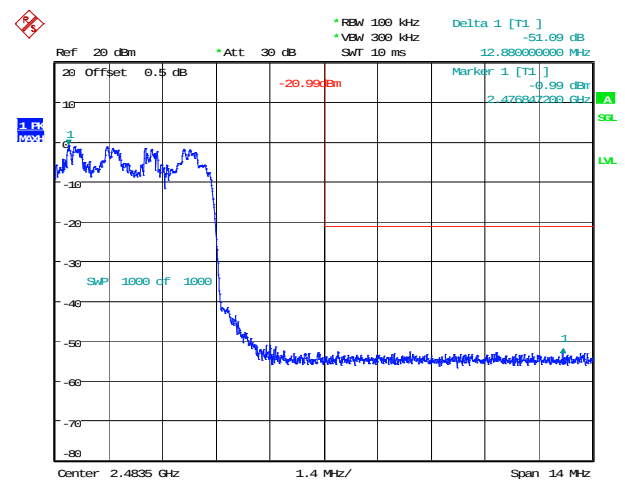
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:27:05

3DH1\_Hopping\_Lower



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:04:51

3DH1\_Hopping\_Upper

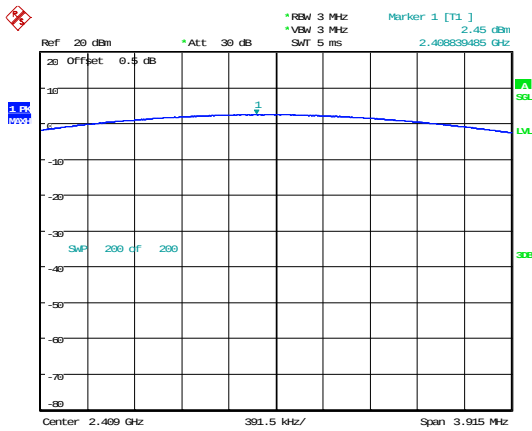


Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:08:04

**Additional Channel power**

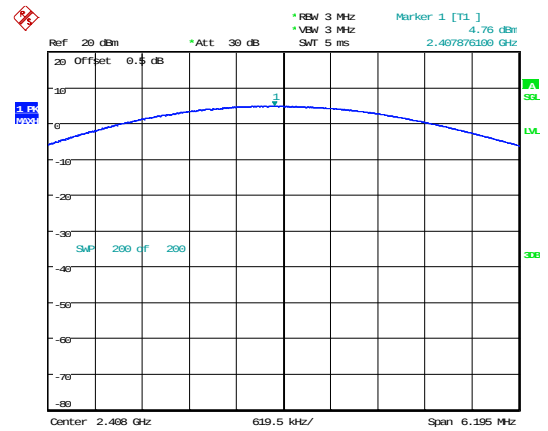
| Mode | Test Frequency<br>(MHz) | Result<br>(dB) | Limit<br>(dB) | Verdict |
|------|-------------------------|----------------|---------------|---------|
| DH1  | 2409                    | 2.45           | 21.00         | Pass    |
| 2DH1 | 2408                    | 4.76           | 21.00         | Pass    |
| 3DH1 | 2410                    | 3.35           | 21.00         | Pass    |

DH1\_Additional



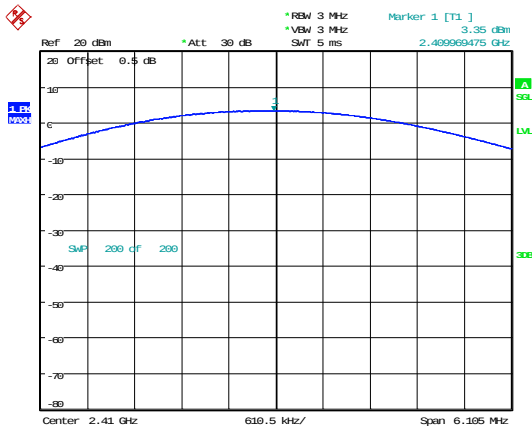
ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:35:57

2DH1\_Additional



ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:27:35

3DH1\_Additional



ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 13:00:53

**Time of Occupancy (dwell time)**

| Mode | Channel | Pulse width (ms) | Dwell time (s) | Limit (s) | Verdict |
|------|---------|------------------|----------------|-----------|---------|
| DH1  | Hopping | 0.407            | 0.130          | 0.400     | Pass    |
| DH3  | Hopping | 1.666            | 0.267          | 0.400     | Pass    |
| DH5  | Hopping | 2.924            | 0.312          | 0.400     | Pass    |
| 2DH1 | Hopping | 0.414            | 0.132          | 0.400     | Pass    |
| 2DH3 | Hopping | 1.670            | 0.267          | 0.400     | Pass    |
| 2DH5 | Hopping | 2.928            | 0.312          | 0.400     | Pass    |
| 3DH1 | Hopping | 0.414            | 0.132          | 0.400     | Pass    |
| 3DH3 | Hopping | 1.670            | 0.267          | 0.400     | Pass    |
| 3DH5 | Hopping | 2.928            | 0.312          | 0.400     | Pass    |

**Note:**

**DH1:Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s**

**DH3:Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s**

**DH5:Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s**

**2DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s**

**2DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s**

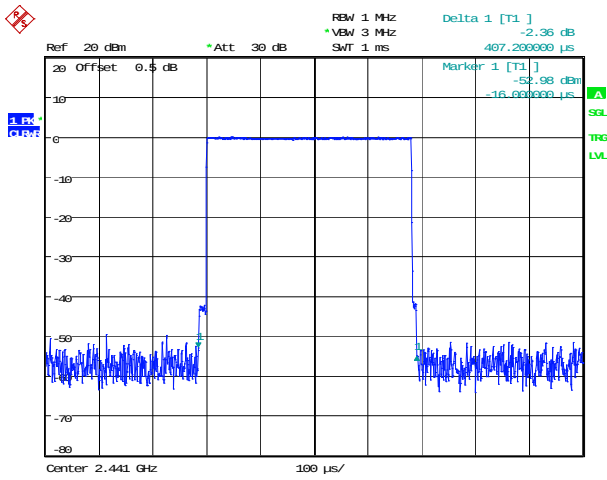
**2DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s**

**3DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s**

**3DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s**

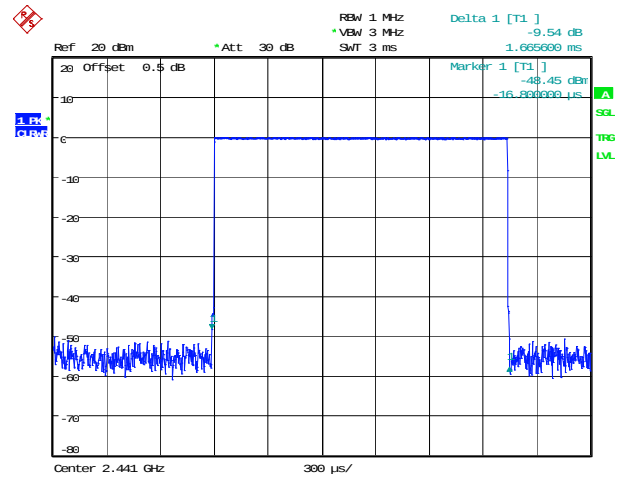
**3DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s**

DH1\_Hopping



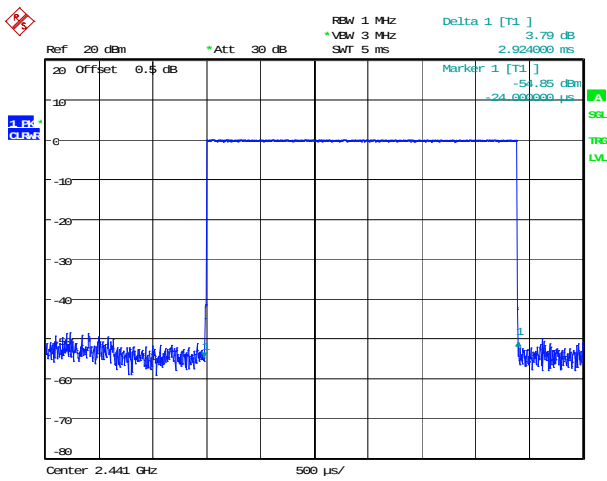
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:34:11

DH3\_Hopping



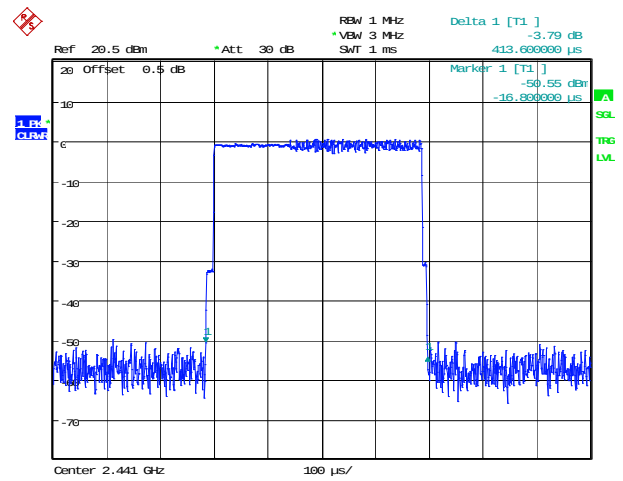
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Date: 23.JAN.2025 11:34:55

DH5\_Hopping



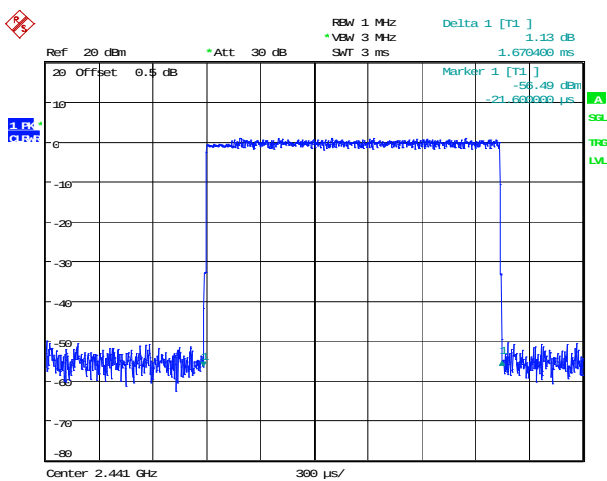
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Date: 23.JAN.2025 11:35:49

2DH1\_Hopping



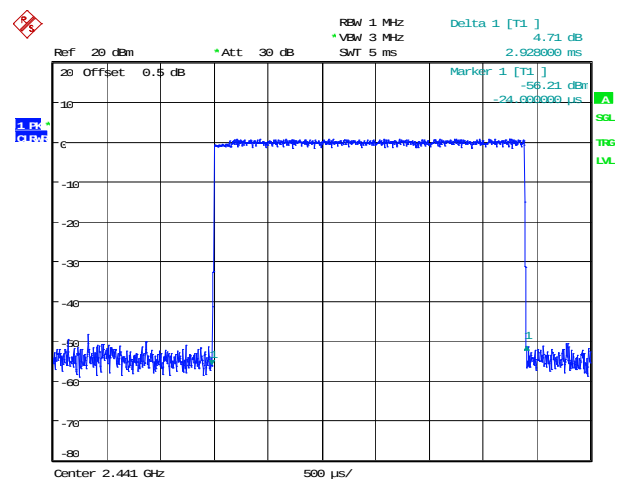
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Date: 23.JAN.2025 11:44:51

2DH3\_Hopping



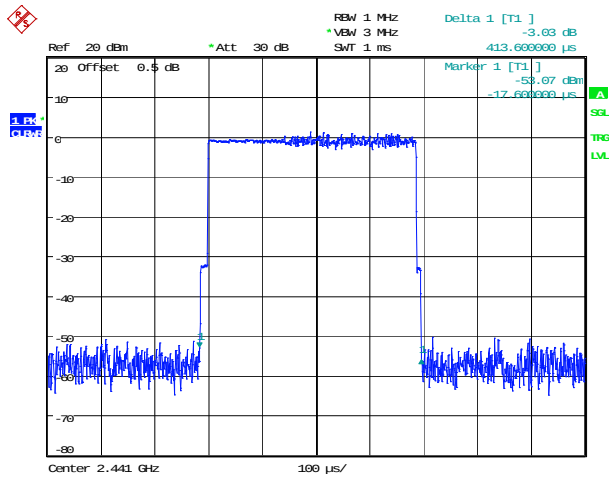
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Date: 23.JAN.2025 11:37:22

2DH5\_Hopping



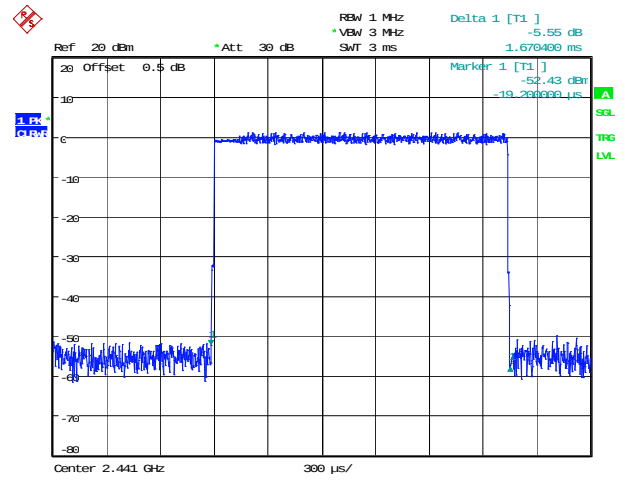
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Date: 23.JAN.2025 11:37:56

## 3DH1\_Hopping



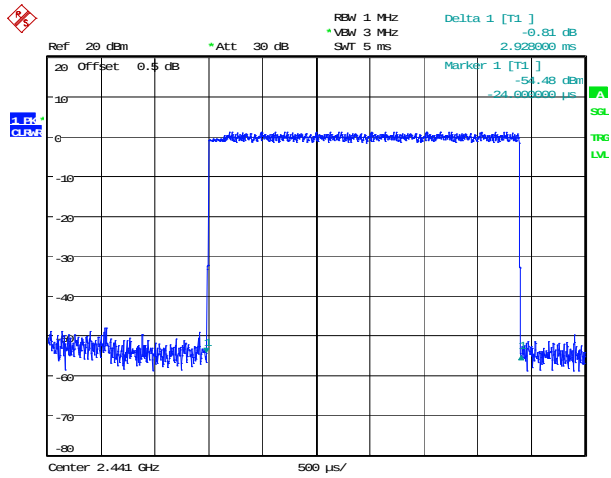
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Date: 23.JAN.2025 11:38:40

## 3DH3\_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:39:20

## 3DH5\_Hopping



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li  
Date: 23.JAN.2025 11:39:59