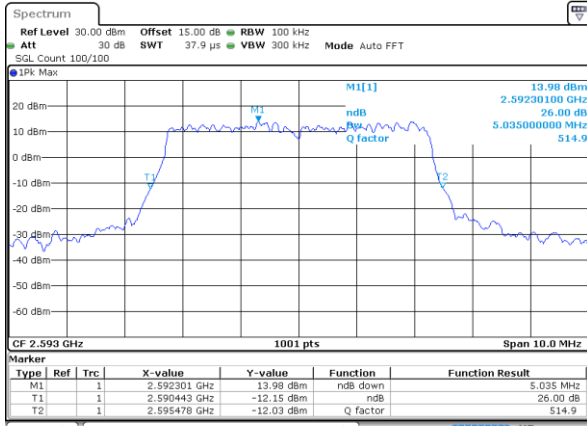


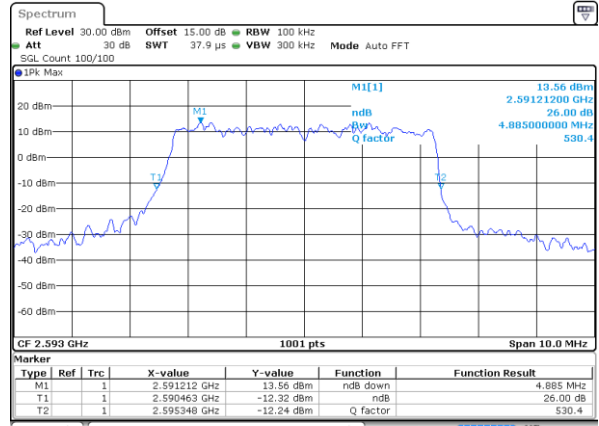


## LTE Band 41

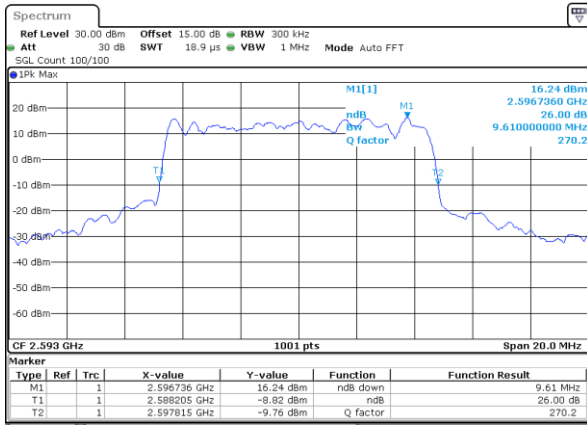
## Middle Channel / 5MHz / QPSK



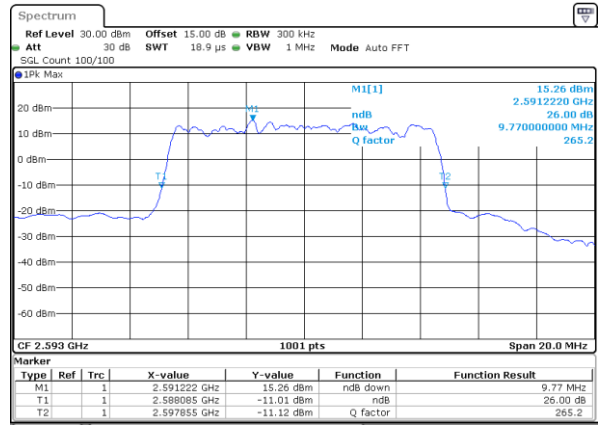
## Middle Channel / 5MHz / 16QAM



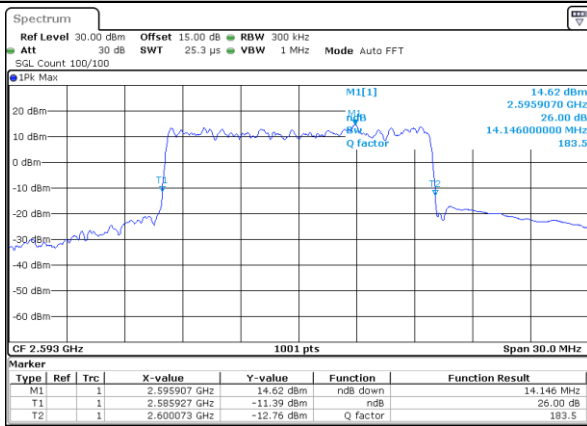
## Middle Channel / 10MHz / QPSK



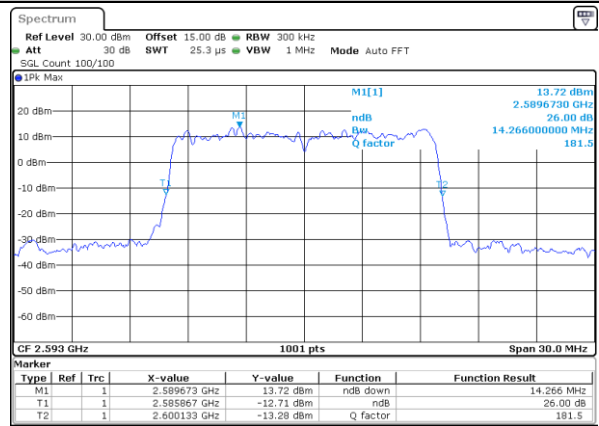
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



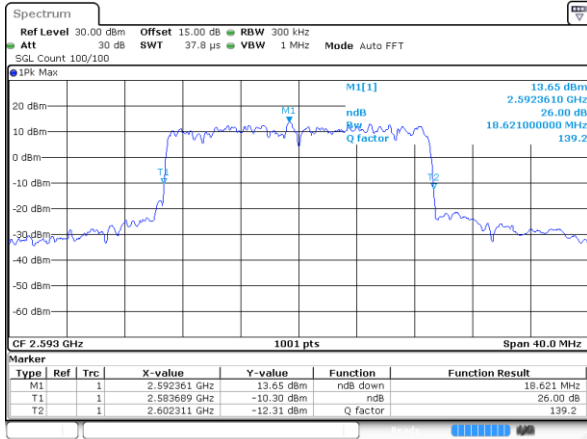
## Middle Channel / 15MHz / 16QAM





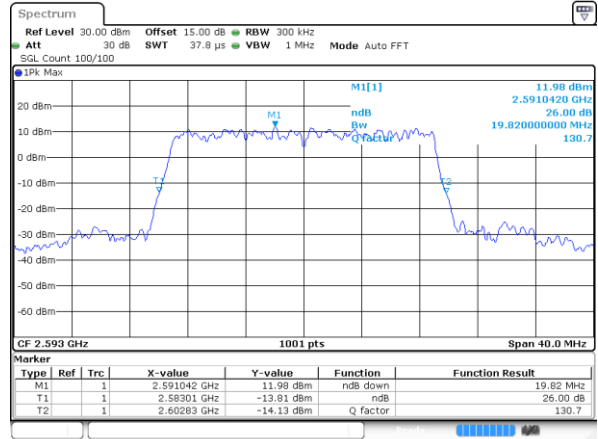
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22.AUG.2024 04:41:18

Middle Channel / 20MHz / 16QAM



Date: 22.AUG.2024 04:42:01



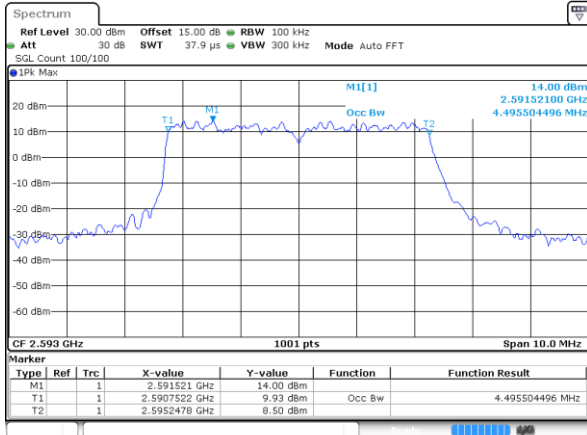
## Occupied Bandwidth

| Mode      | LTE Band 41 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|-----------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | -                         | -     | -    | -     | 4.50 | 4.47  | 9.05  | 9.11  | 13.49 | 13.49 | 17.90 | 17.90 |



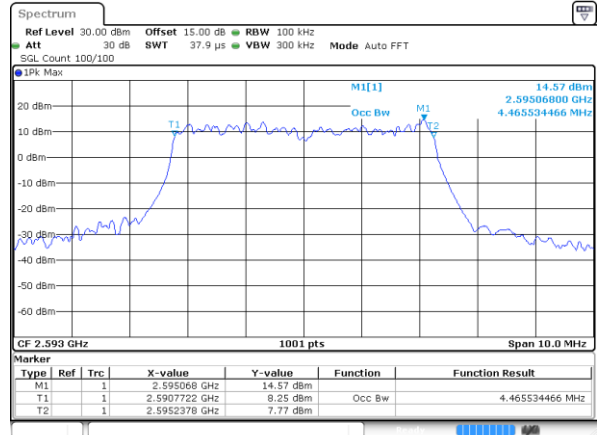
## LTE Band 41

## Middle Channel / 5MHz / QPSK



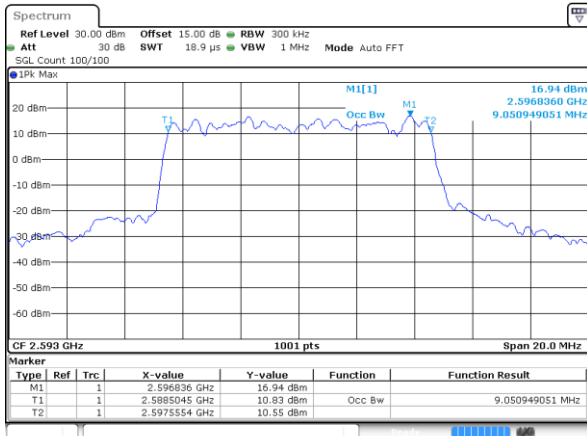
Date: 22 AUG 2024 03:51:16

## Middle Channel / 5MHz / 16QAM



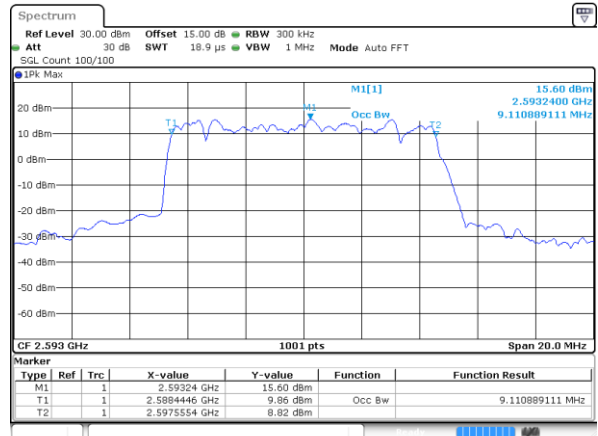
Date: 22 AUG 2024 03:51:59

## Middle Channel / 10MHz / QPSK



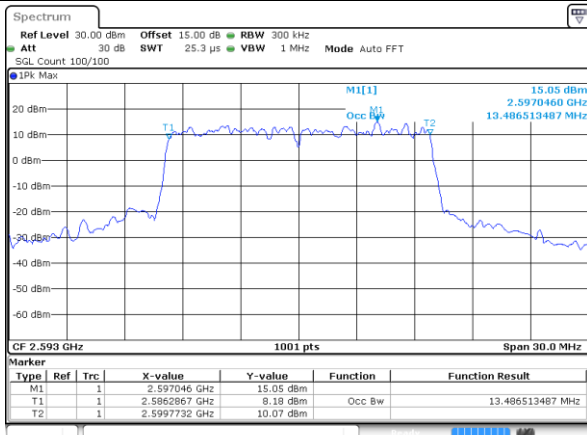
Date: 22 AUG 2024 04:08:41

## Middle Channel / 10MHz / 16QAM



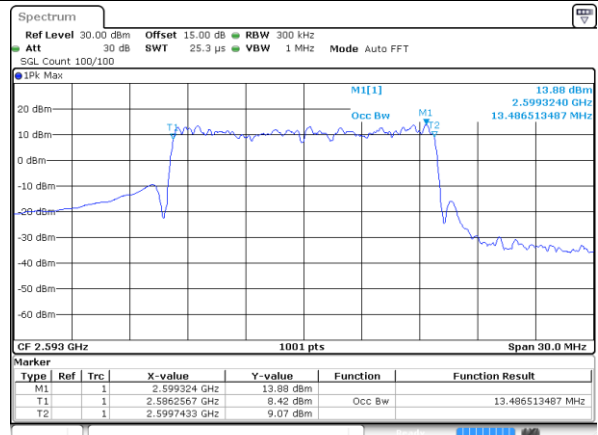
Date: 22 AUG 2024 04:09:23

## Middle Channel / 15MHz / QPSK



Date: 22 AUG 2024 04:24:44

## Middle Channel / 15MHz / 16QAM

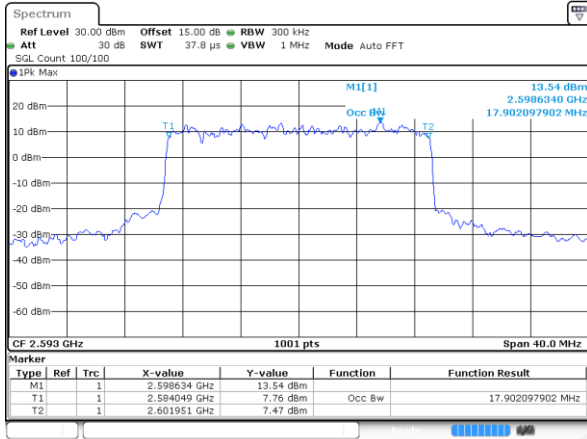


Date: 22 AUG 2024 04:25:26



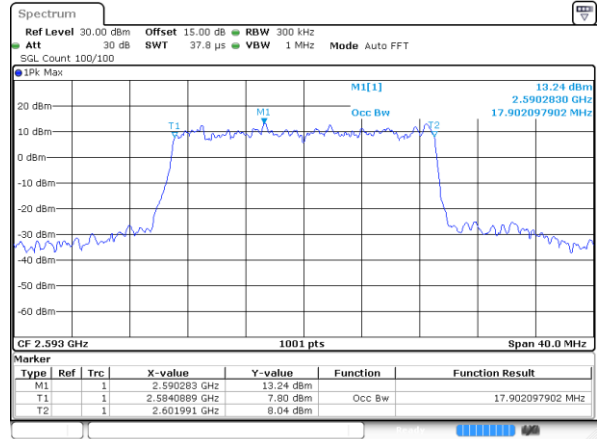
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22.AUG.2024 04:41:04

Middle Channel / 20MHz / 16QAM



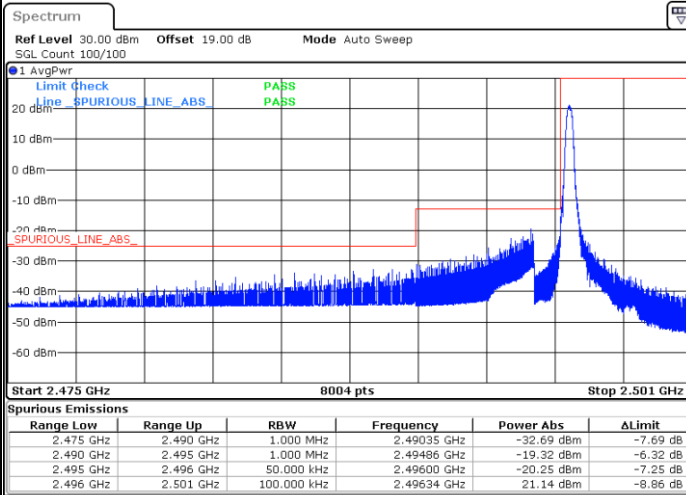
Date: 22.AUG.2024 04:41:47



# Conducted Band Edge

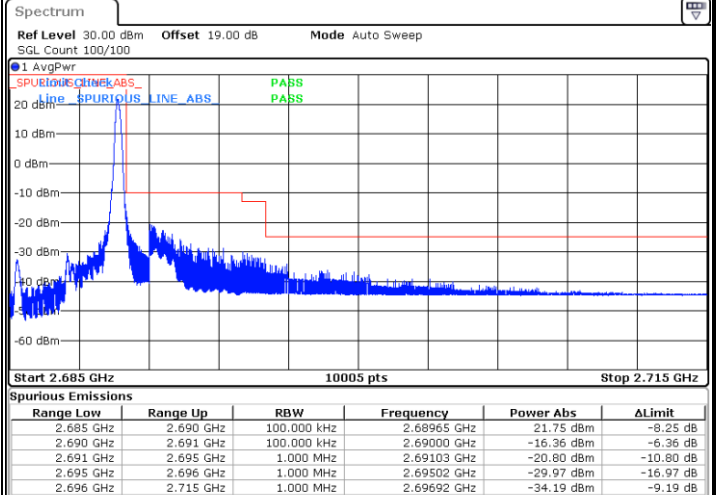
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



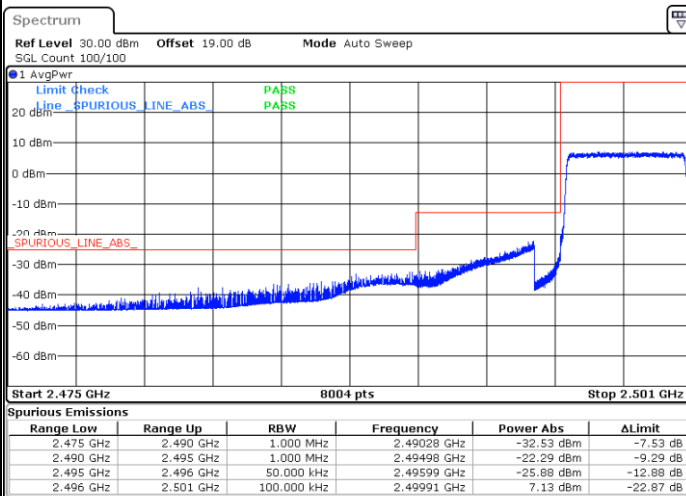
Date: 22 AUG 2024 03:43:44

### Highest Band Edge / 1 RB



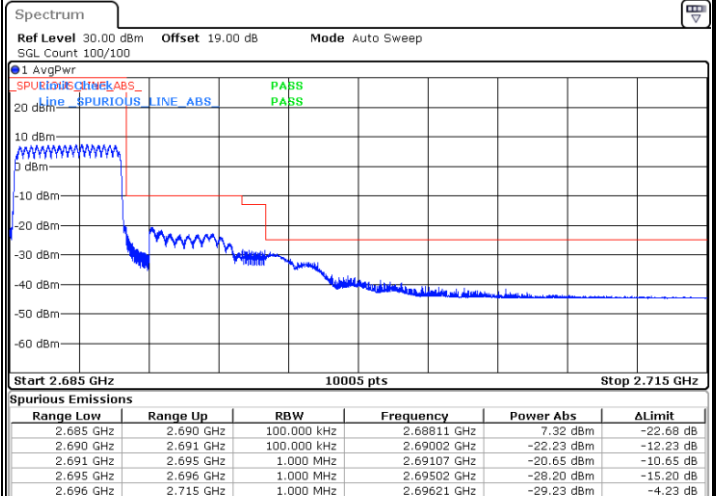
Date: 22 AUG 2024 04:55:01

### Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:48:19

### Highest Band Edge / Full RB

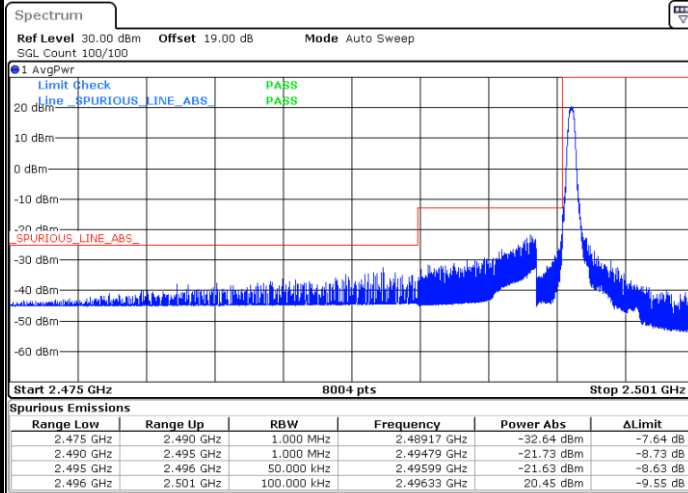


Date: 22 AUG 2024 05:01:37



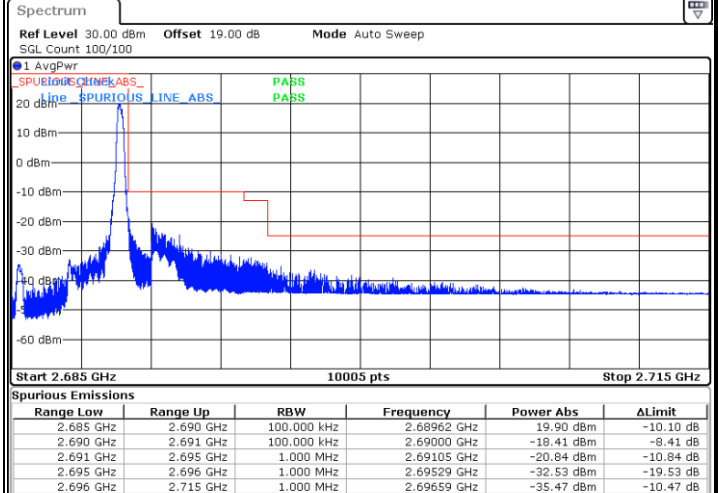
## LTE Band 41 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



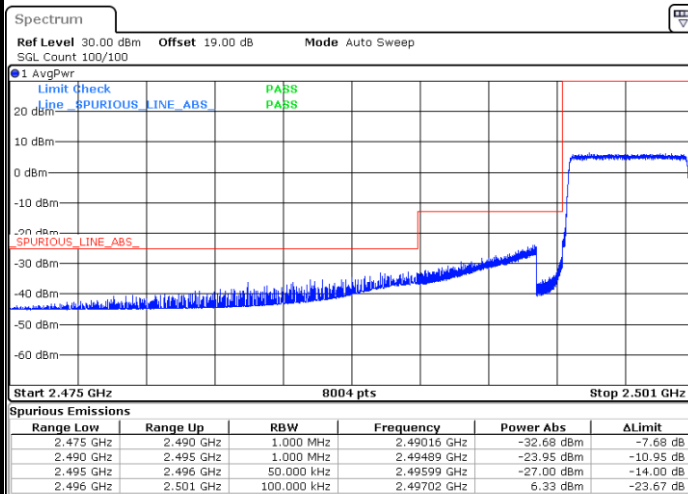
Date: 22 AUG 2024 03:44:39

## Highest Band Edge / 1 RB



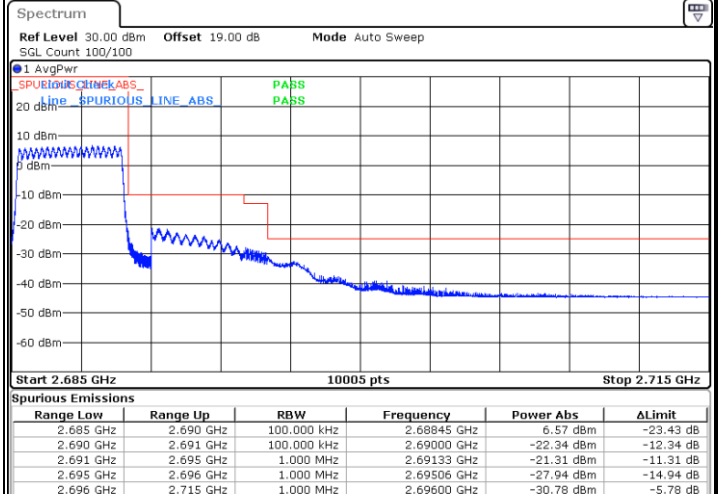
Date: 22 AUG 2024 04:56:20

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:47:24

## Highest Band Edge / Full RB

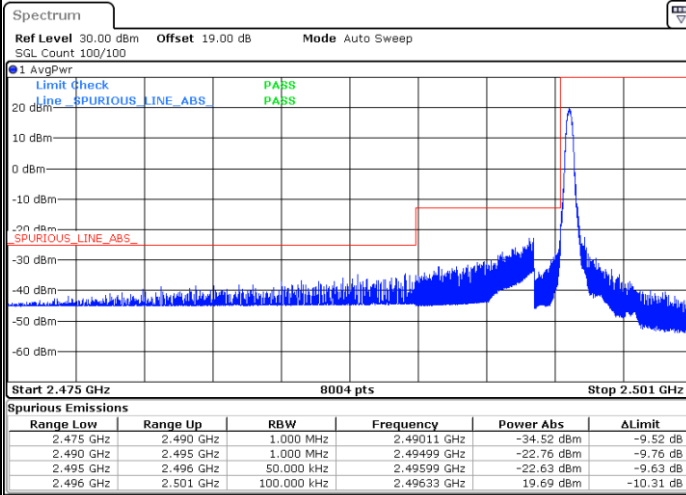


Date: 22 AUG 2024 05:00:18



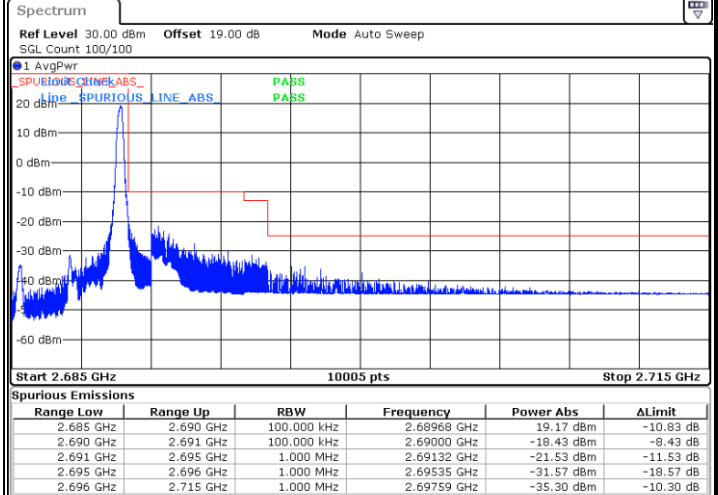
## LTE Band 41 / 5MHz / 64QAM

## Lowest Band Edge / 1RB



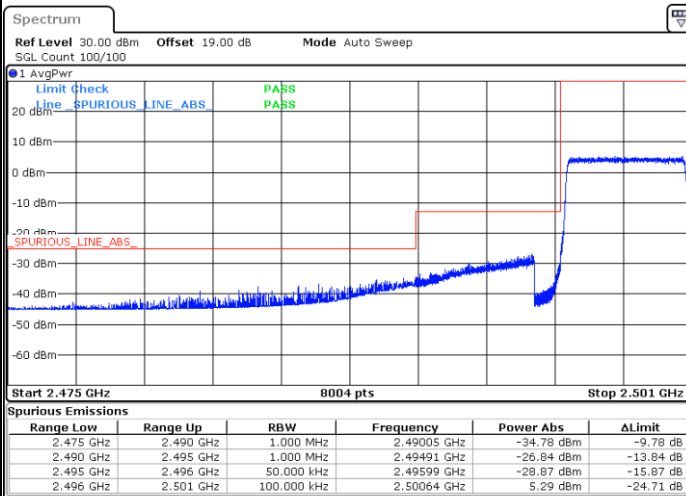
Date: 22 AUG 2024 03:45:34

## Highest Band Edge / 1 RB



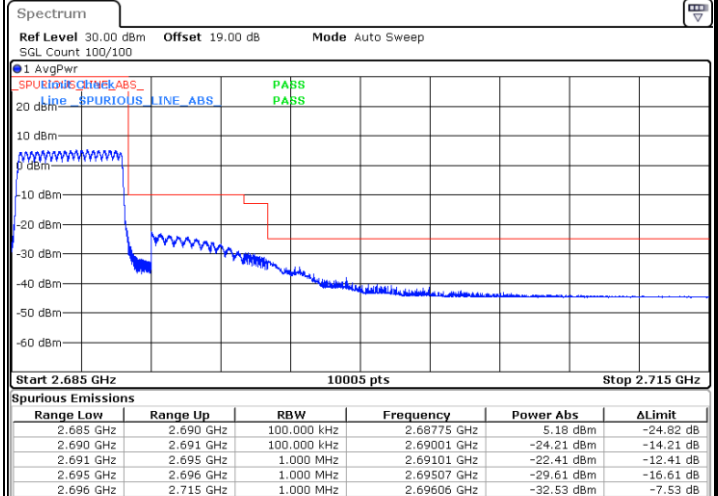
Date: 22 AUG 2024 04:57:39

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:46:29

## Highest Band Edge / Full RB

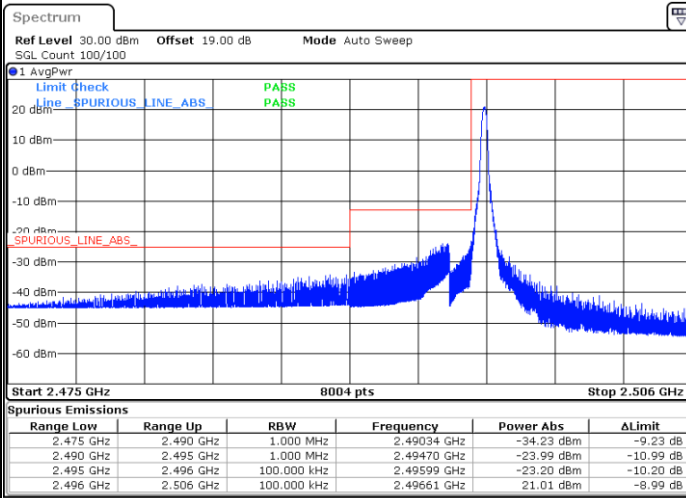


Date: 22 AUG 2024 04:58:59

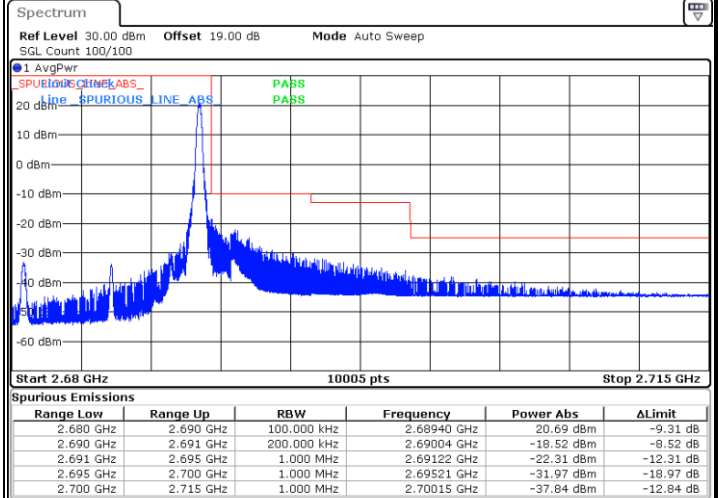


## LTE Band 41 / 10MHz / QPSK

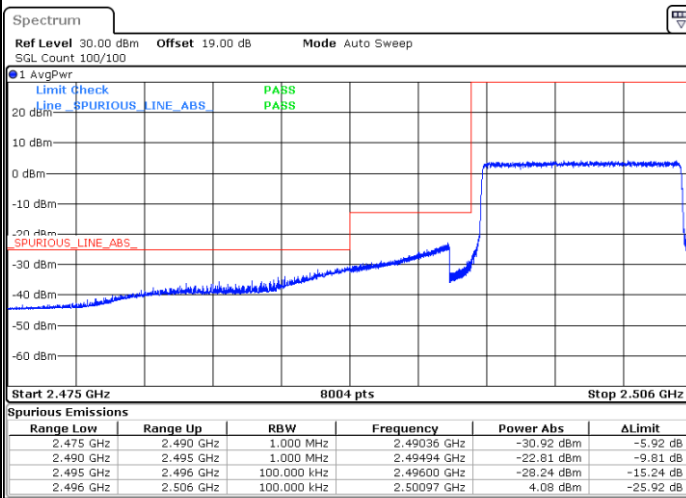
## Lowest Band Edge / 1 RB



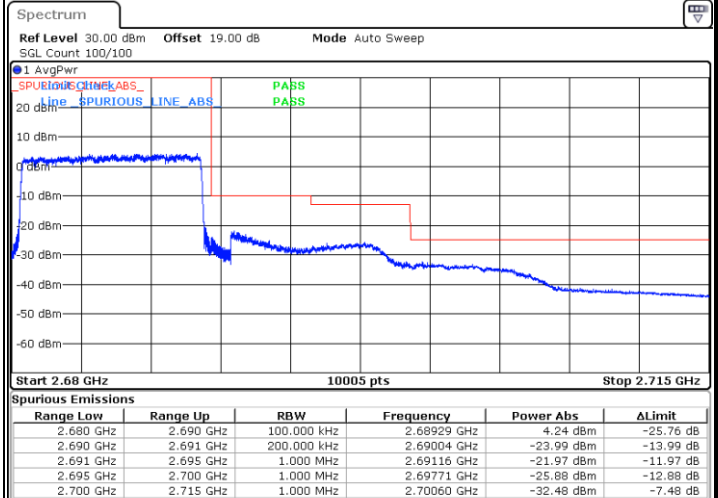
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



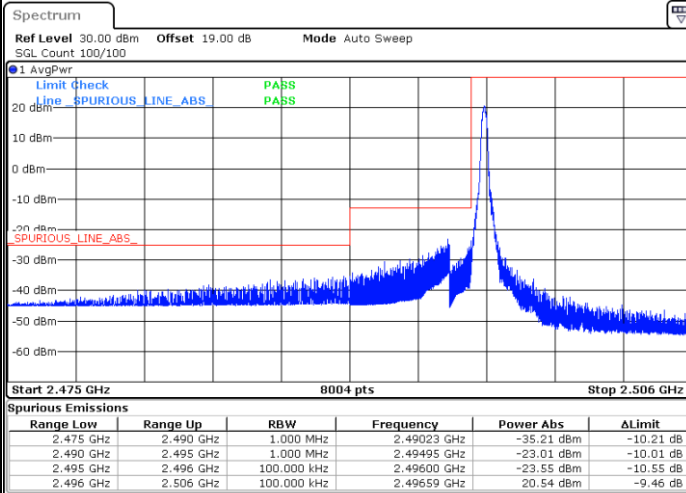
## Highest Band Edge / Full RB





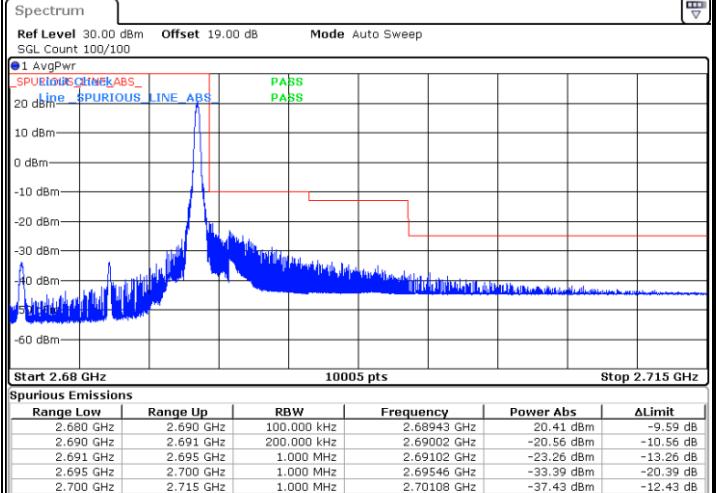
## LTE Band 41 / 10MHz / 16QAM

## Lowest Band Edge / 1RB



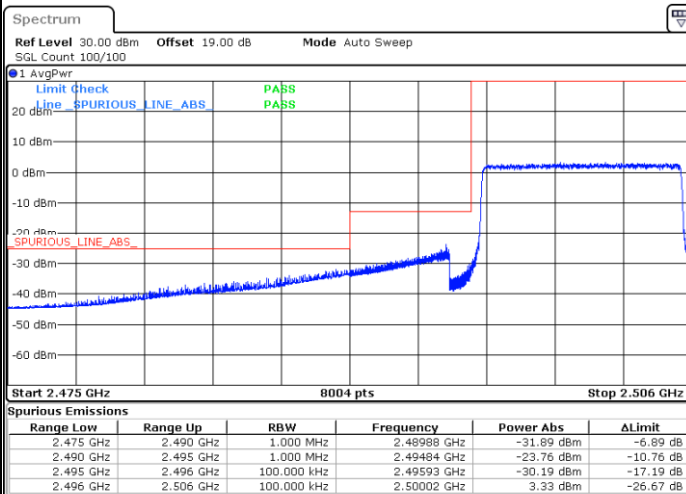
Date: 22 AUG 2024 04:02:03

## Highest Band Edge / 1 RB



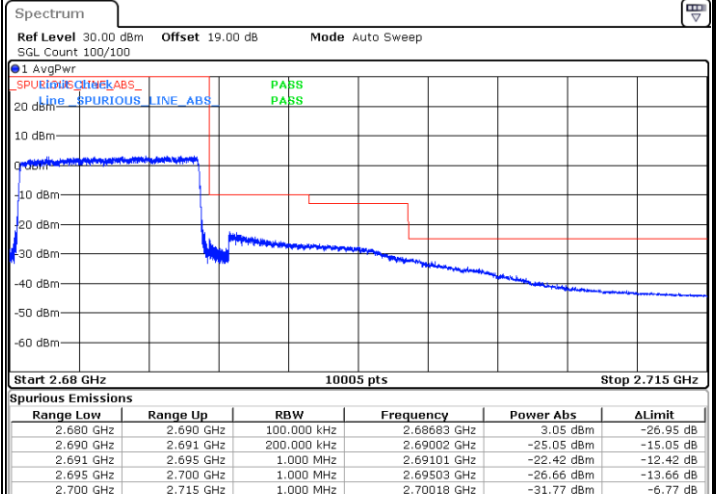
Date: 22 AUG 2024 04:11:25

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:04:47

## Highest Band Edge / Full RB

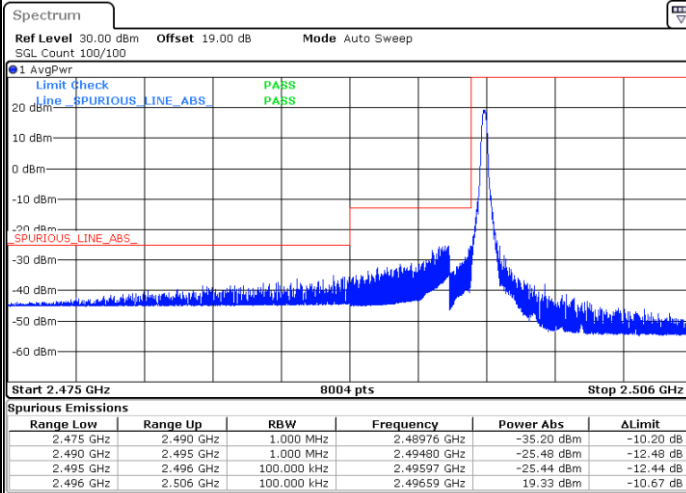


Date: 22 AUG 2024 04:14:08



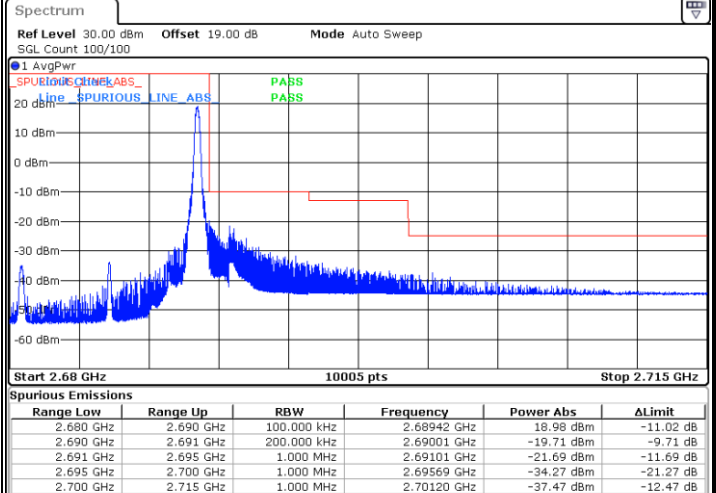
## LTE Band 41 / 10MHz / 64QAM

## Lowest Band Edge / 1RB



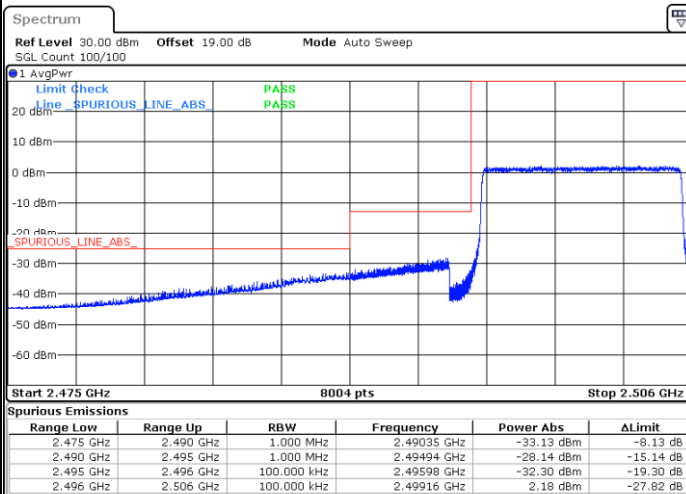
Date: 22 AUG 2024 04:02:57

## Highest Band Edge / 1 RB



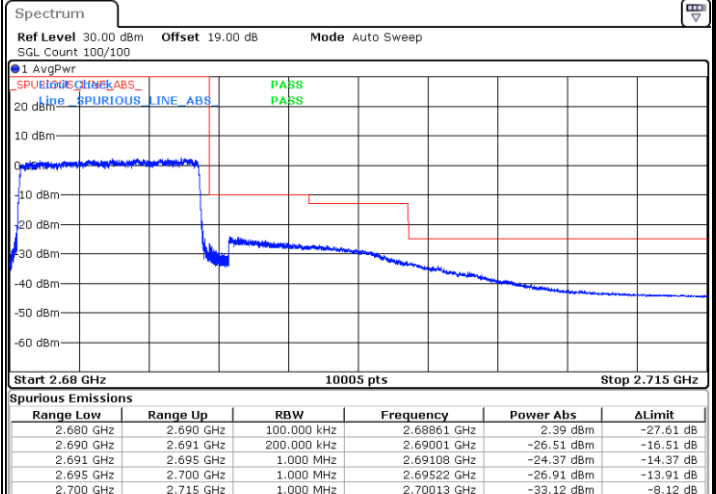
Date: 22 AUG 2024 04:12:19

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:03:52

## Highest Band Edge / Full RB

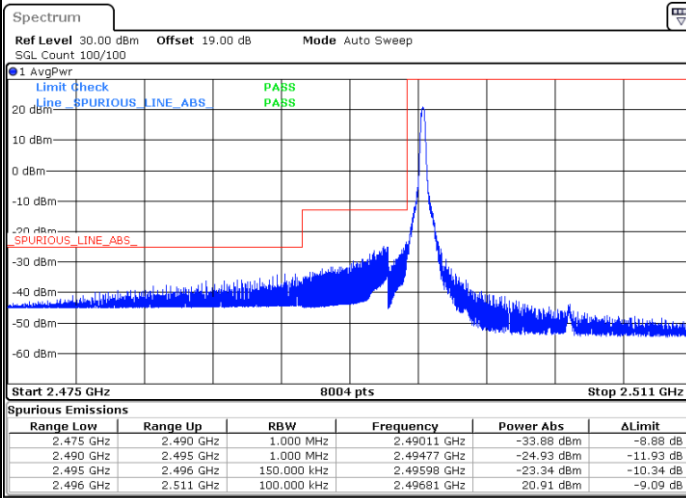


Date: 22 AUG 2024 04:13:13

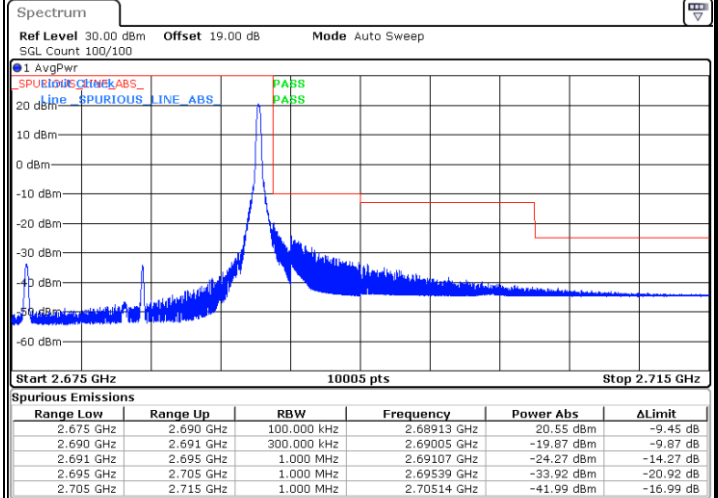


## LTE Band 41 / 15MHz / QPSK

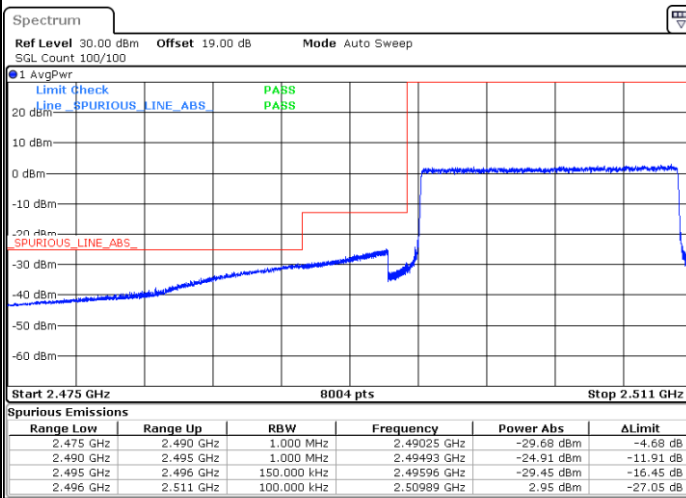
## Lowest Band Edge / 1 RB



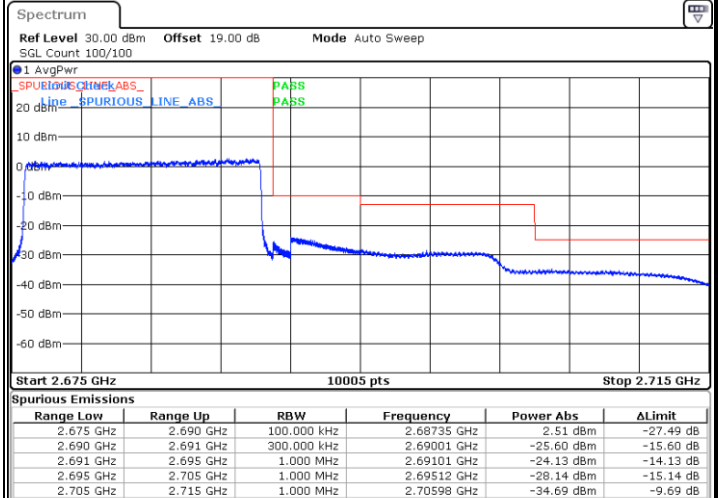
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



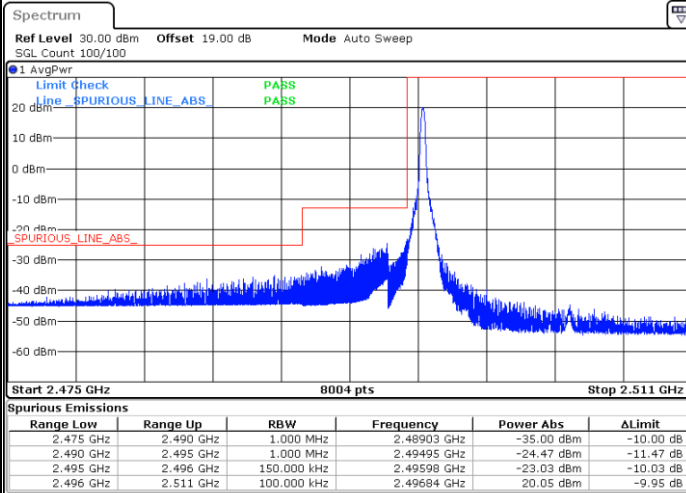
## Highest Band Edge / Full RB





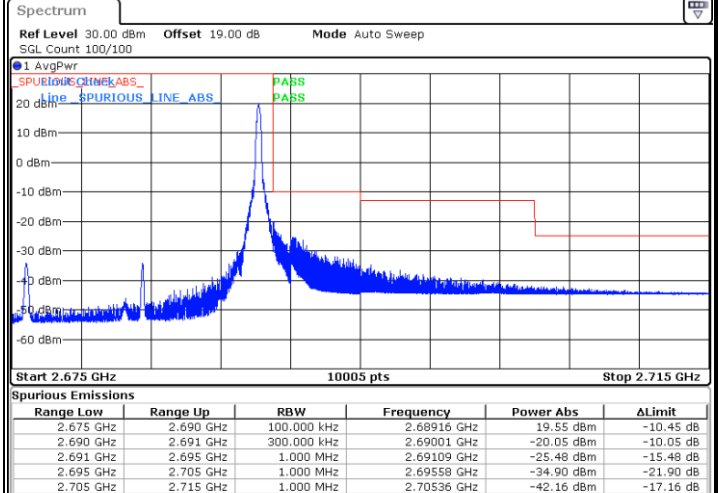
## LTE Band 41 / 15MHz / 16QAM

## Lowest Band Edge / 1RB



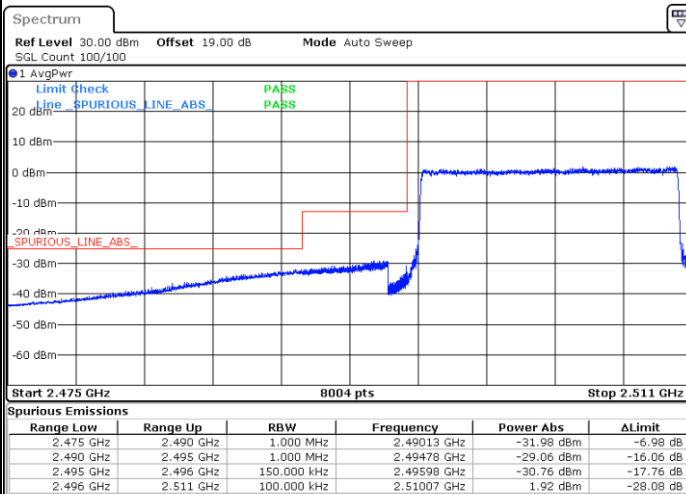
Date: 22 AUG 2024 04:18:09

## Highest Band Edge / 1 RB



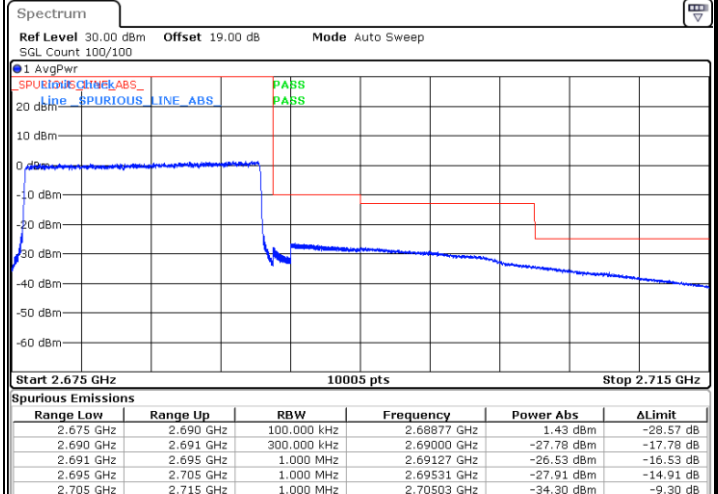
Date: 22 AUG 2024 04:27:34

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:20:53

## Highest Band Edge / Full RB

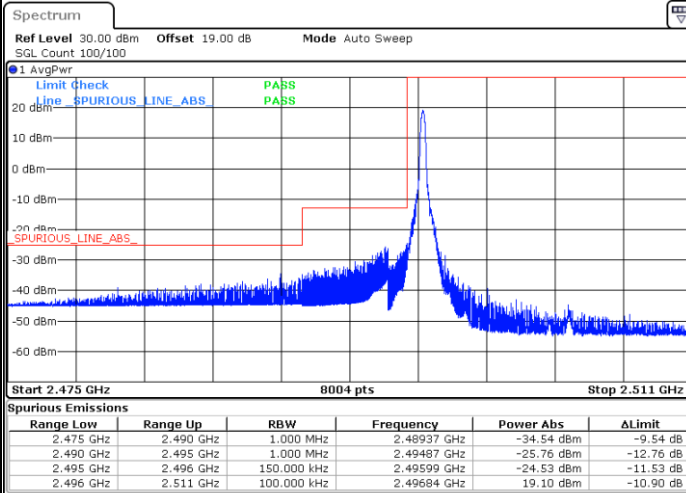


Date: 22 AUG 2024 04:30:25



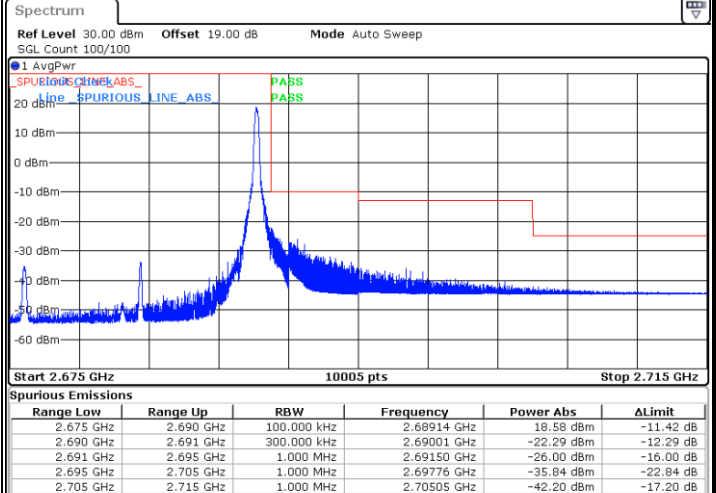
## LTE Band 41 / 15MHz / 64QAM

## Lowest Band Edge / 1RB



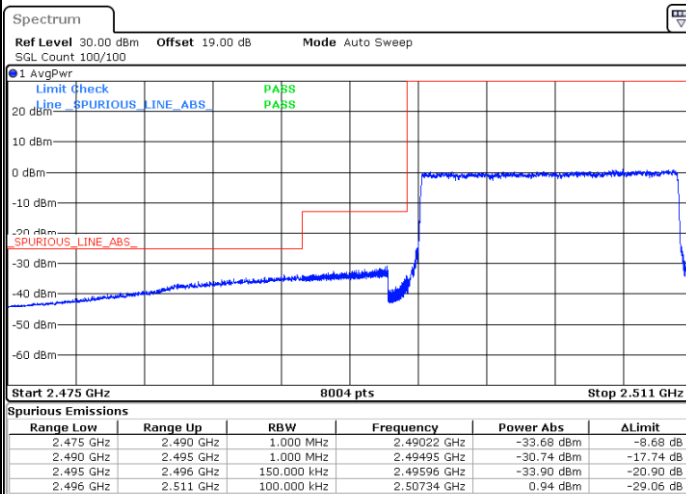
Date: 22 AUG 2024 04:19:04

## Highest Band Edge / 1 RB



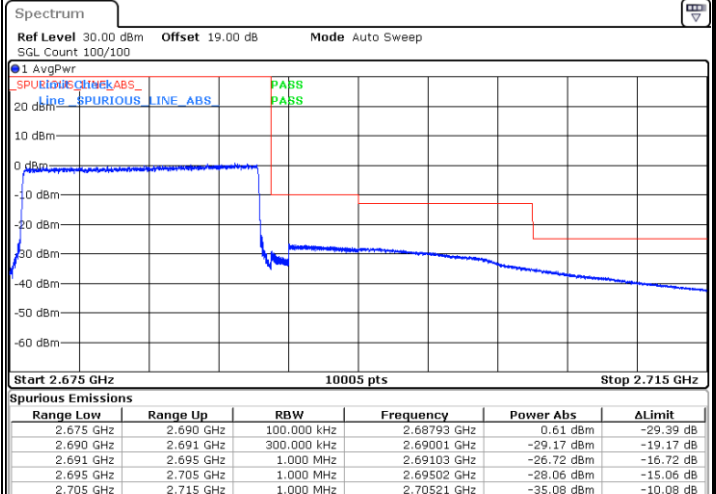
Date: 22 AUG 2024 04:28:31

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:19:58

## Highest Band Edge / Full RB

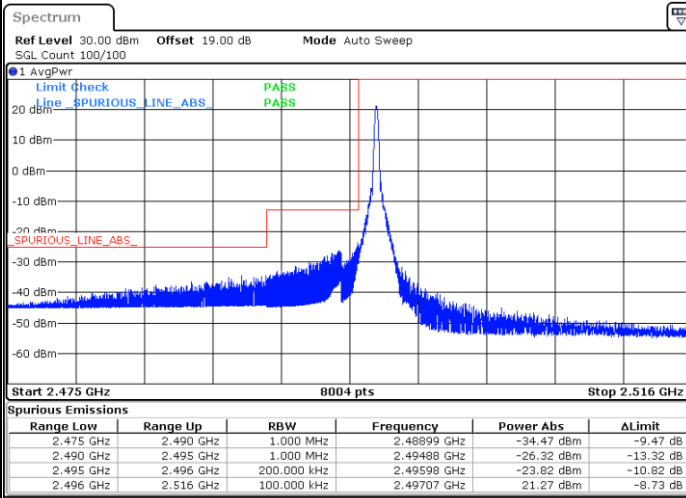


Date: 22 AUG 2024 04:29:28



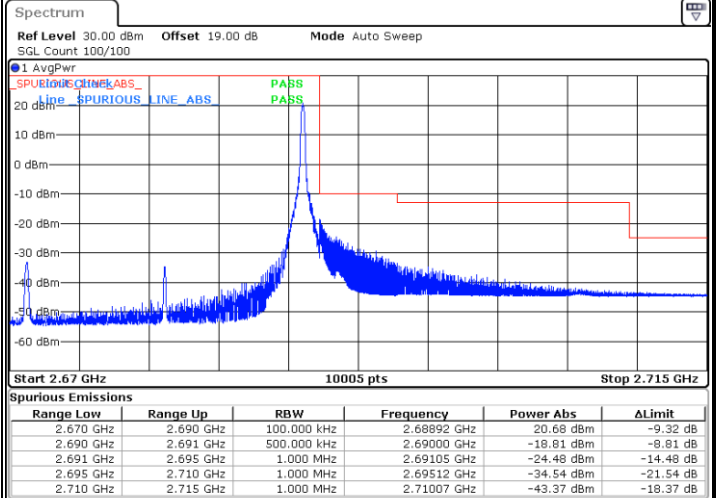
## LTE Band 41 / 20MHz / QPSK

## Lowest Band Edge / 1 RB



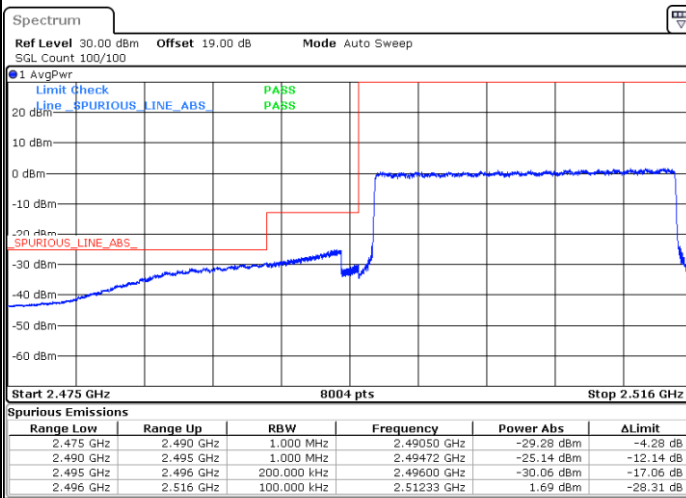
Date: 22 AUG 2024 04:33:35

## Highest Band Edge / 1 RB



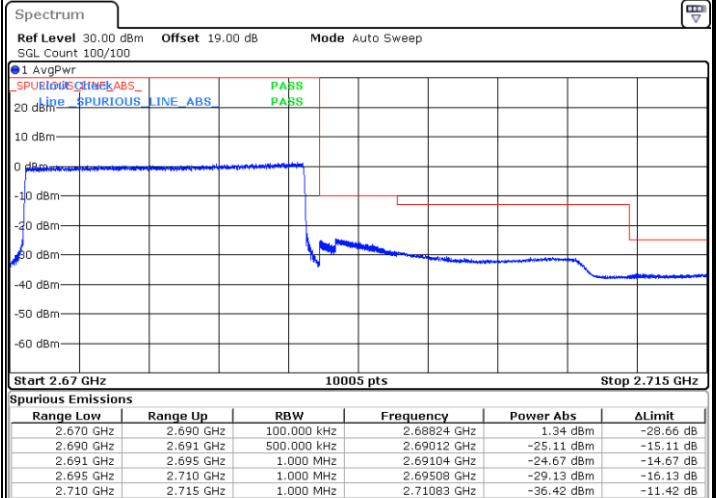
Date: 22 AUG 2024 04:44:32

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:38:08

## Highest Band Edge / Full RB

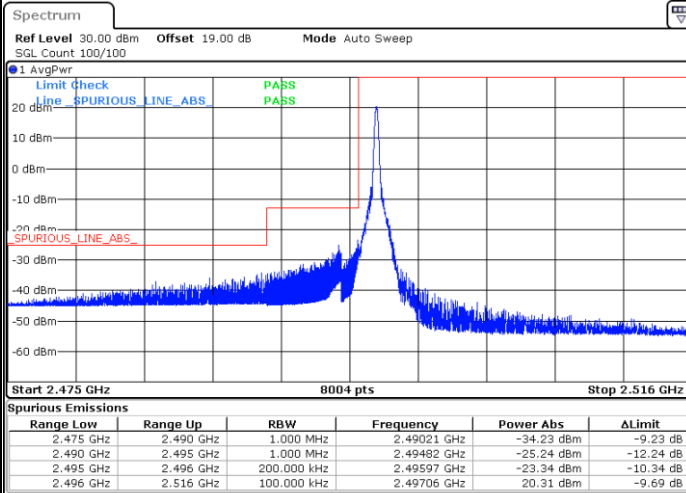


Date: 22 AUG 2024 04:49:19



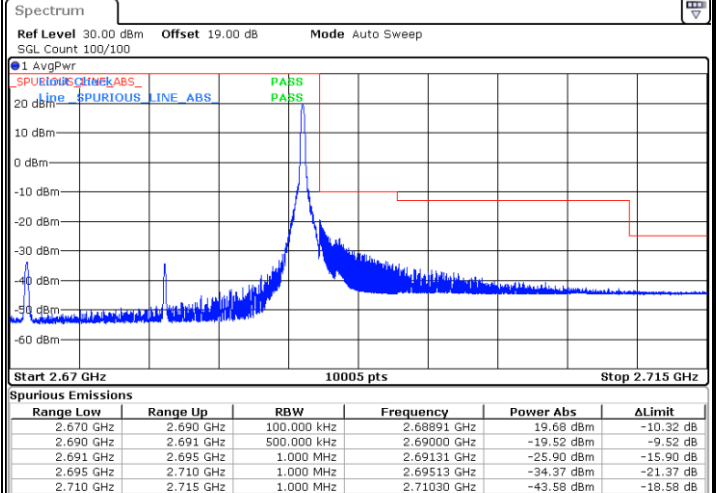
## LTE Band 41 / 20MHz / 16QAM

## Lowest Band Edge / 1RB



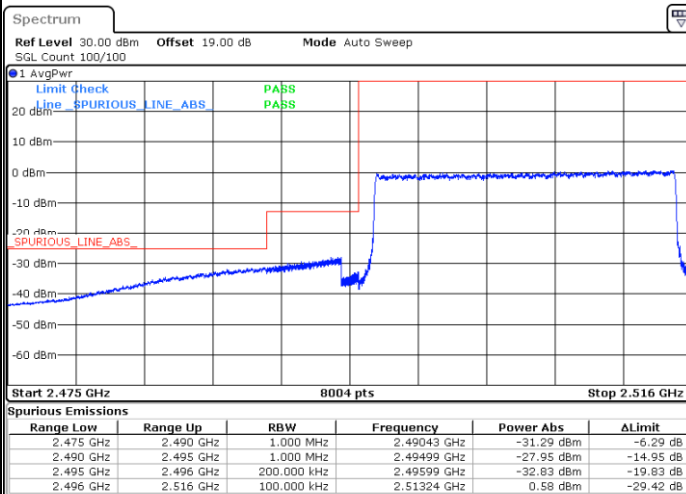
Date: 22 AUG 2024 04:34:29

## Highest Band Edge / 1 RB



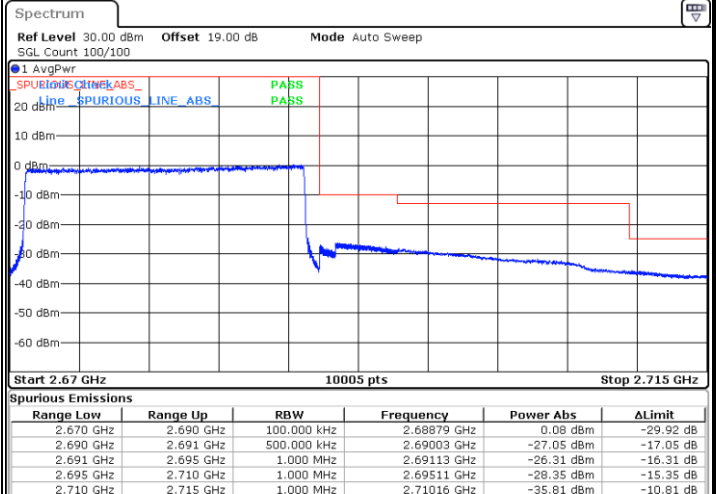
Date: 22 AUG 2024 04:45:29

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:37:13

## Highest Band Edge / Full RB

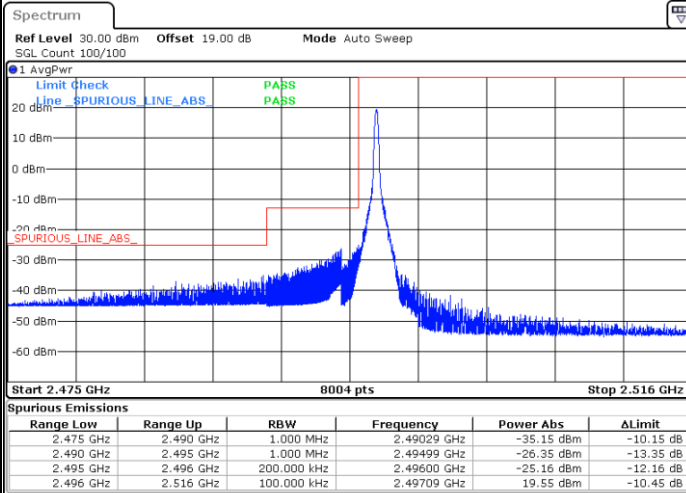


Date: 22 AUG 2024 04:48:21



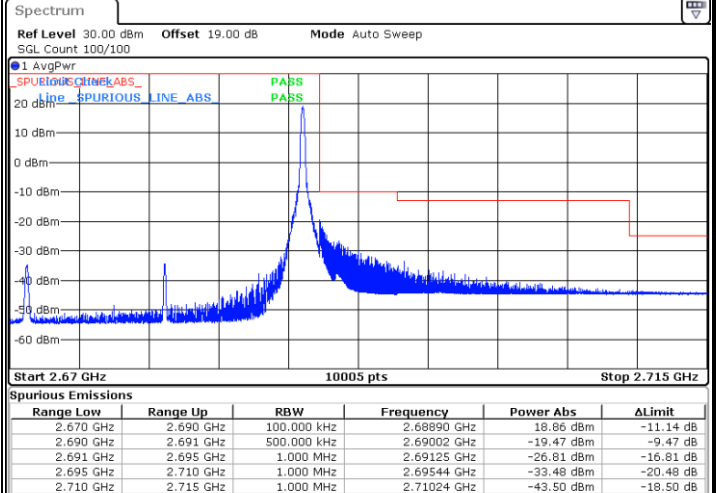
## LTE Band 41 / 20MHz / 64QAM

## Lowest Band Edge / 1RB



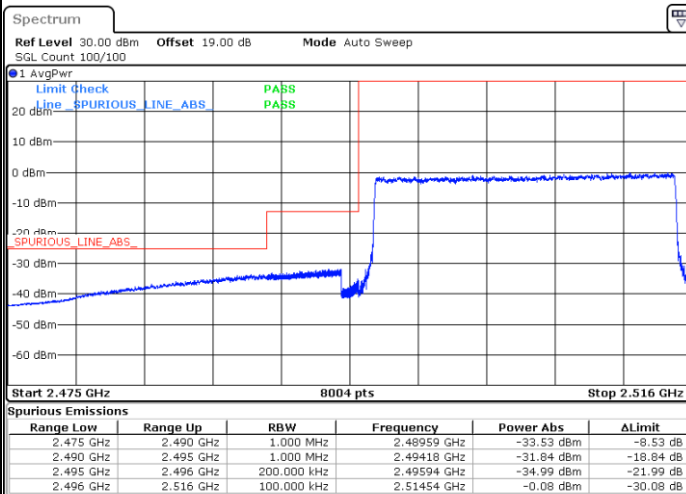
Date: 22 AUG 2024 04:35:24

## Highest Band Edge / 1 RB



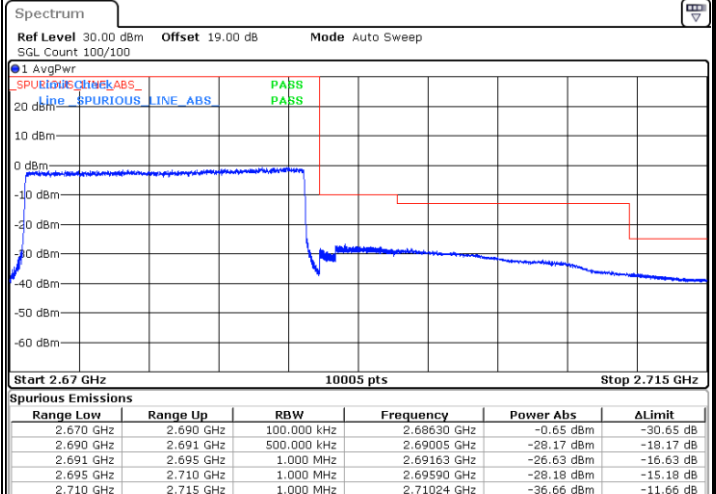
Date: 22 AUG 2024 04:46:26

## Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:38:19

## Highest Band Edge / Full RB



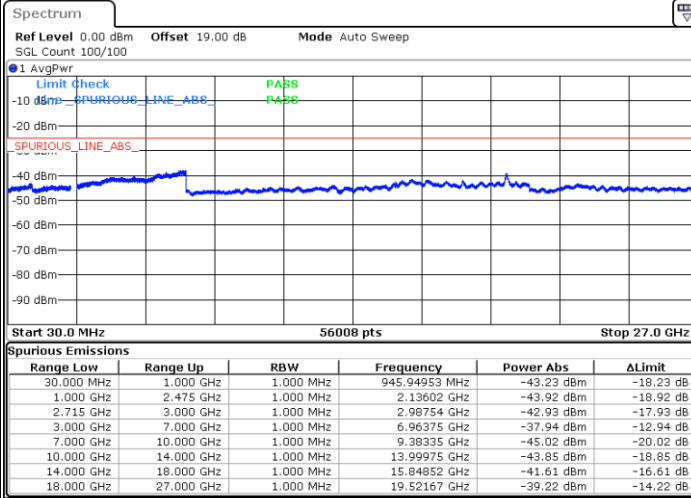
Date: 22 AUG 2024 04:47:24



# Conducted Spurious Emission

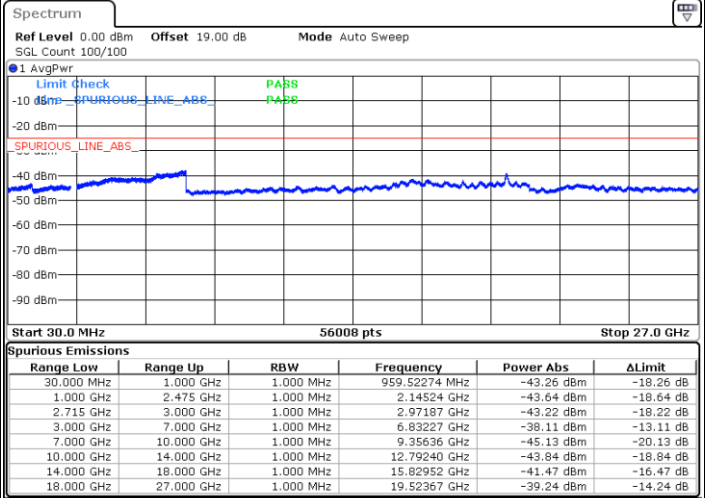
## LTE Band 41 / 5MHz

### Lowest Channel / QPSK



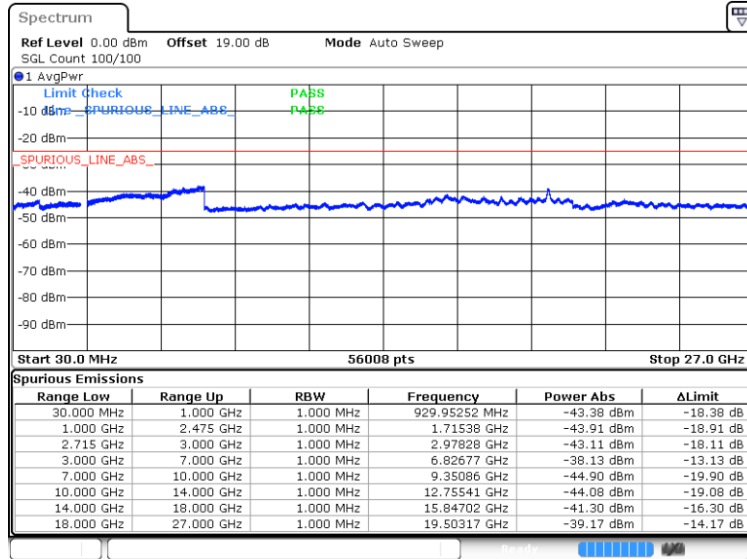
Date: 22 AUG 2024 03:49:33

### Middle Channel / QPSK



Date: 22 AUG 2024 03:50:46

### Highest Channel / QPSK

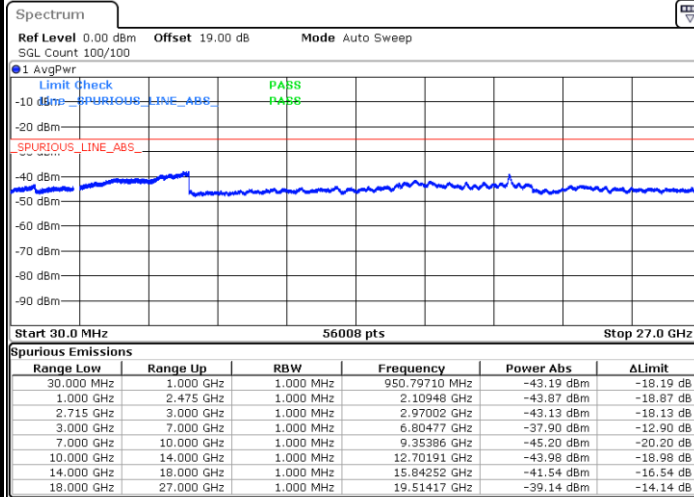


Date: 22 AUG 2024 04:00:06



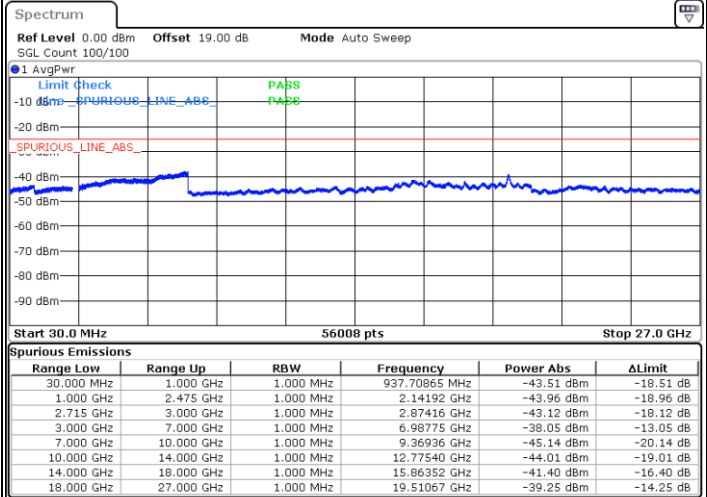
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



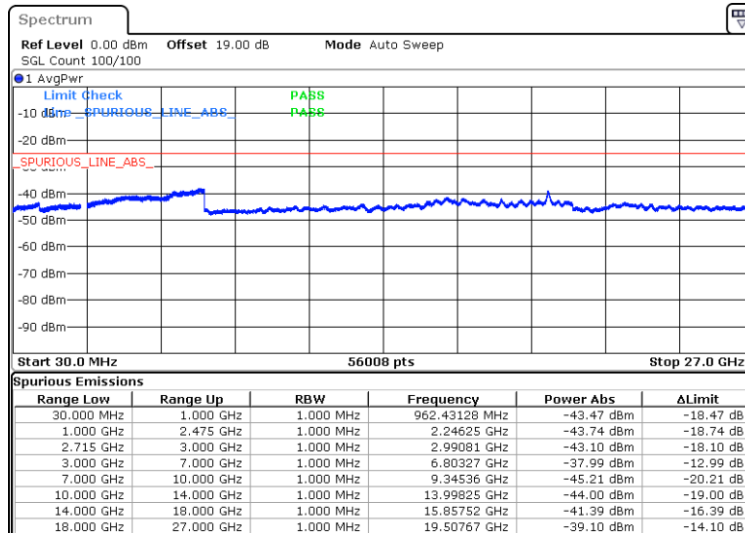
Date: 22 AUG 2024 04:06:58

## Middle Channel / QPSK



Date: 22 AUG 2024 04:08:11

## Highest Channel / QPSK

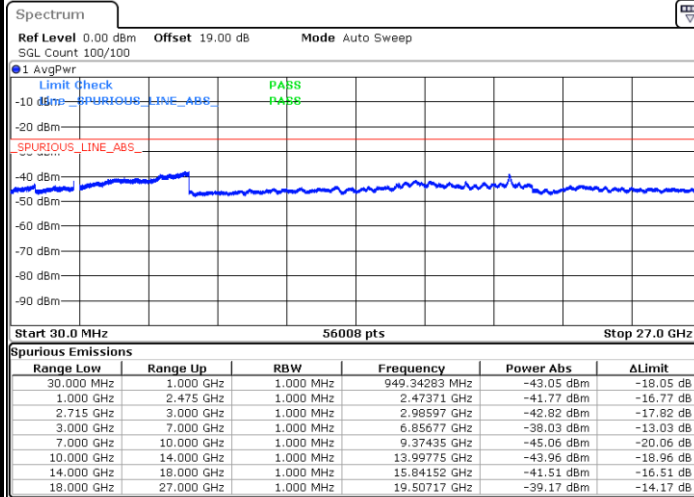


Date: 22 AUG 2024 04:16:16



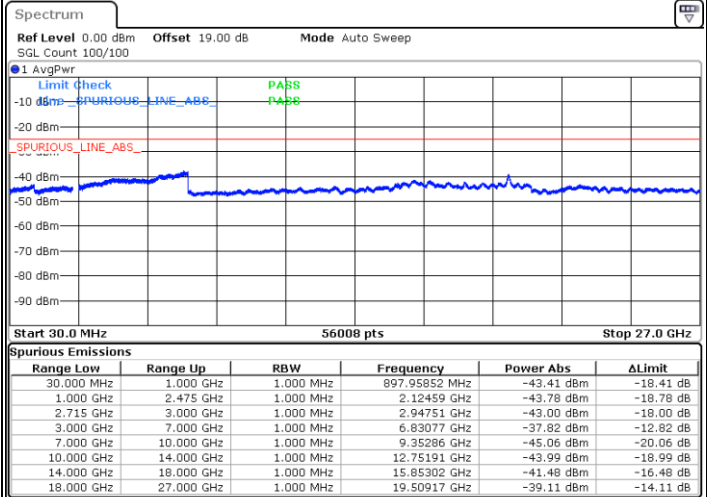
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



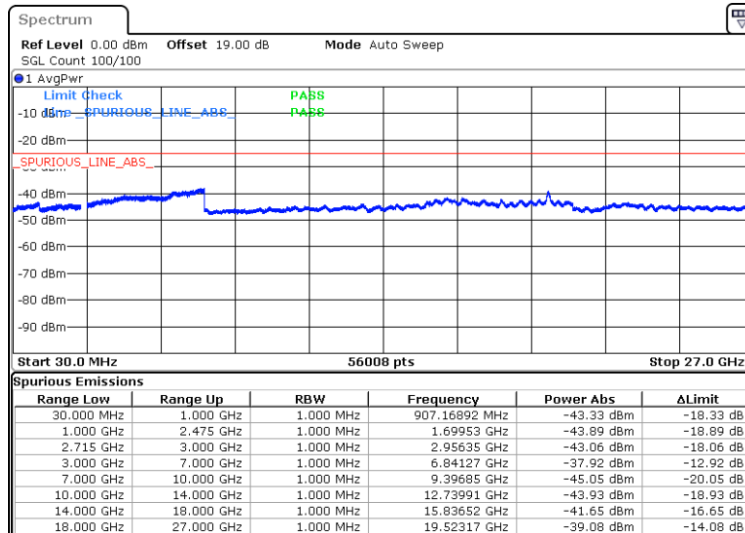
Date: 22 AUG 2024 04:23:01

## Middle Channel / QPSK



Date: 22 AUG 2024 04:24:15

## Highest Channel / QPSK

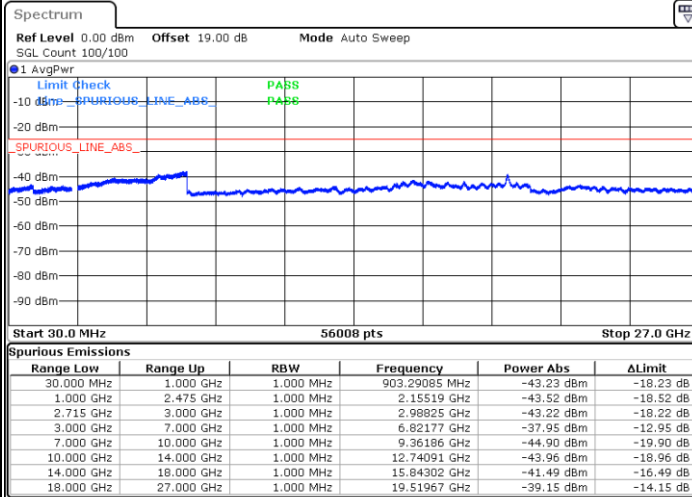


Date: 22 AUG 2024 04:32:36



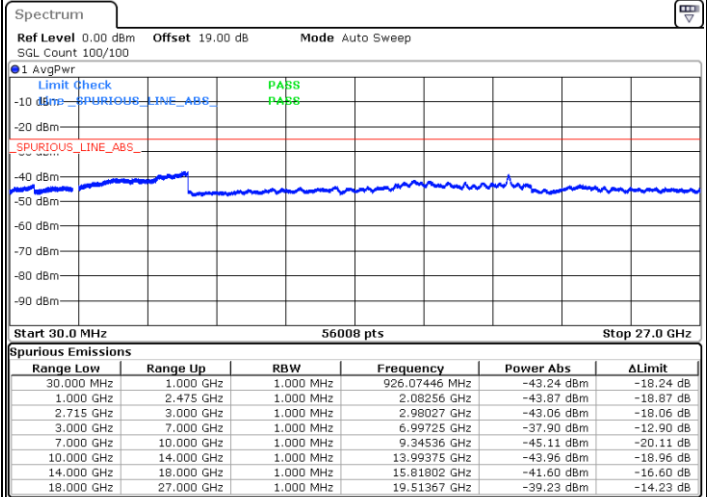
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



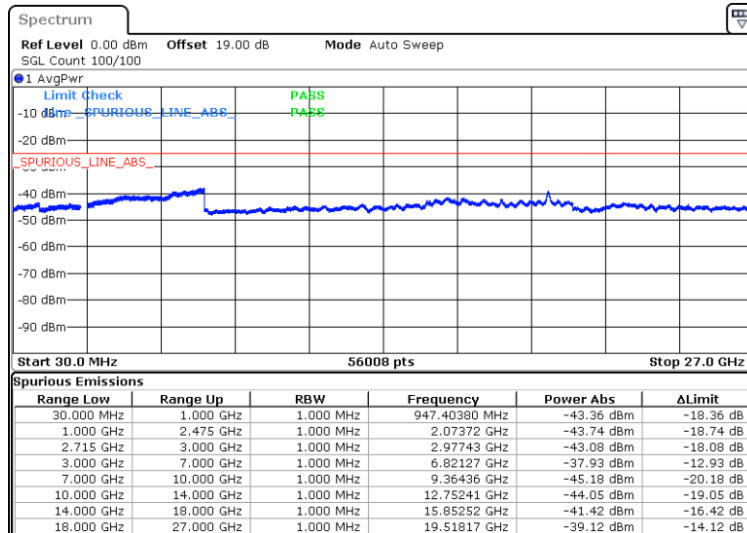
Date: 22 AUG 2024 04:39:21

## Middle Channel / QPSK



Date: 22 AUG 2024 04:40:34

## Highest Channel / QPSK



Date: 22 AUG 2024 04:50:32

**Frequency Stability**

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0002                              | PASS    |
| 40               | Normal Voltage    | 0.0059                              |         |
| 30               | Normal Voltage    | 0.0024                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0055                              |         |
| 0                | Normal Voltage    | 0.0002                              |         |
| -10              | Normal Voltage    | 0.0045                              |         |
| -20              | Normal Voltage    | 0.0045                              |         |
| -30              | Normal Voltage    | 0.0051                              |         |
| 20               | Maximum Voltage   | 0.0026                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0010                              |         |

**Note:**

1. Normal Voltage = 3.8 V.; Battery End Point = 3.5 V.; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |            |                     |        |
|-----------------|------------|---------------------|--------|
| Test Engineer : | Wenbo Xiao | Temperature :       | 22~25℃ |
|                 |            | Relative Humidity : | 48~52% |

| LTE Band 7 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 5052.18           | -60.71       | -25           | -35.71            | -79.37            | -66.27             | 7.14                 | 12.70                 | H                  |
|                           | 7578.27           | -55.77       | -25           | -30.77            | -79.49            | -59.07             | 8.30                 | 11.60                 | H                  |
|                           | 10104.36          | -52.08       | -25           | -27.08            | -80.07            | -53.60             | 10.48                | 12.00                 | H                  |
|                           | 5052.18           | -60.67       | -25           | -35.67            | -79.22            | -66.23             | 7.14                 | 12.70                 | V                  |
|                           | 7578.27           | -55.28       | -25           | -30.28            | -79.48            | -58.58             | 8.30                 | 11.60                 | V                  |
|                           | 10104.36          | -53.21       | -25           | -28.21            | -79.86            | -54.73             | 10.48                | 12.00                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 41 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 5168.00           | -57.56       | -25           | -32.56            | -76.34            | -63.12             | 7.14                 | 12.70                 | H                  |
|                            | 7752.00           | -56.19       | -25           | -31.19            | -79.52            | -59.49             | 8.30                 | 11.60                 | H                  |
|                            | 10336.00          | -52.43       | -25           | -27.43            | -80.40            | -53.95             | 10.48                | 12.00                 | H                  |
|                            | 5168.00           | -61.53       | -25           | -36.53            | -79.99            | -67.09             | 7.14                 | 12.70                 | V                  |
|                            | 7752.00           | -55.69       | -25           | -30.69            | -79.66            | -58.99             | 8.30                 | 11.60                 | V                  |
|                            | 10336.00          | -53.62       | -25           | -28.62            | -80.59            | -55.14             | 10.48                | 12.00                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.