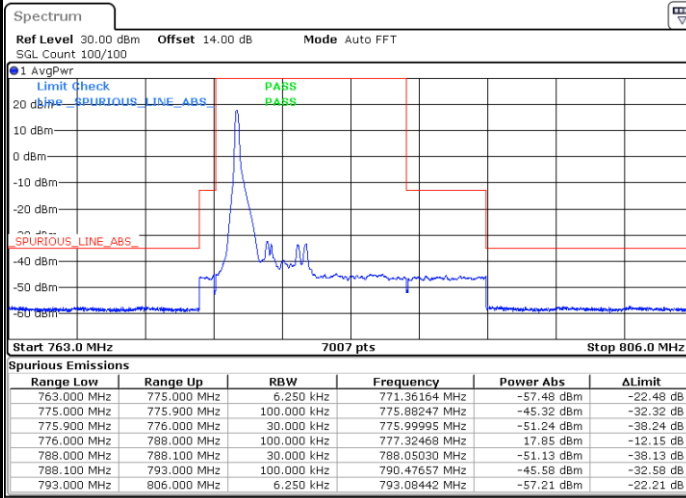




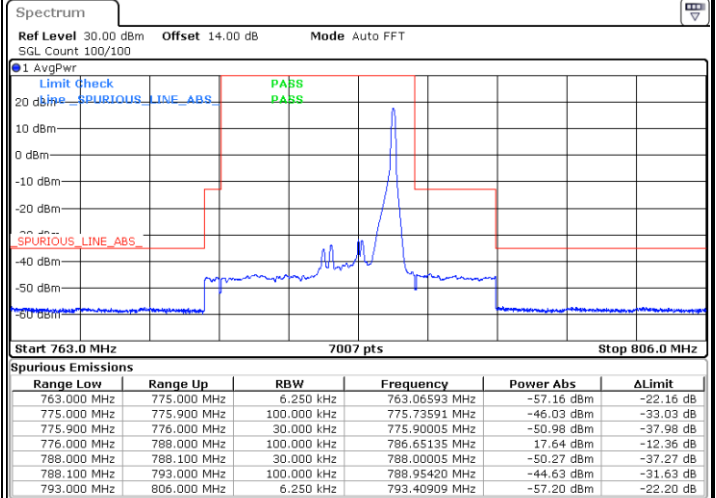
## LTE Band 13 / 5MHz / 64QAM

## Lowest Band Edge / 1 RB



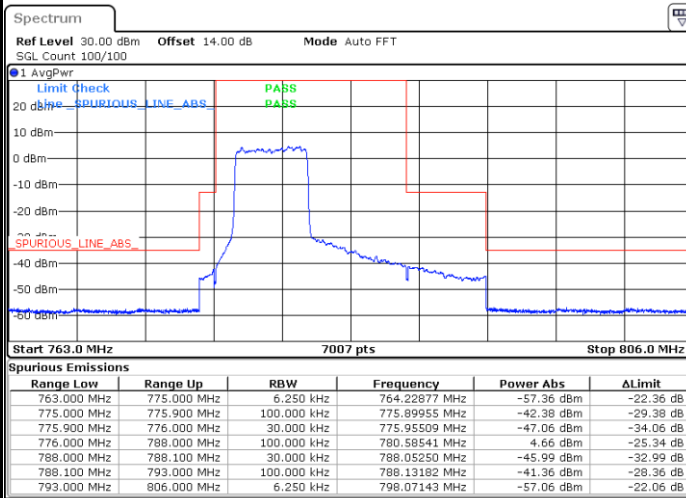
Date: 1 APR 2024 17:46:51

## Highest Band Edge / 1 RB



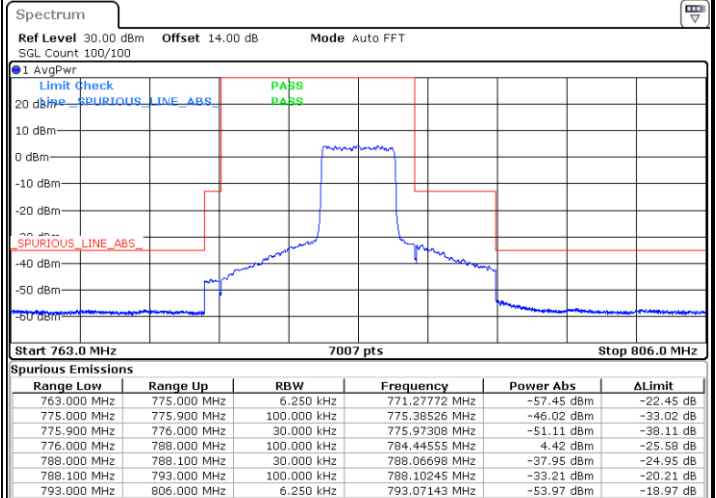
Date: 1 APR 2024 17:56:46

## Lowest Band Edge / Full RB



Date: 1 APR 2024 17:49:54

## Highest Band Edge / Full RB

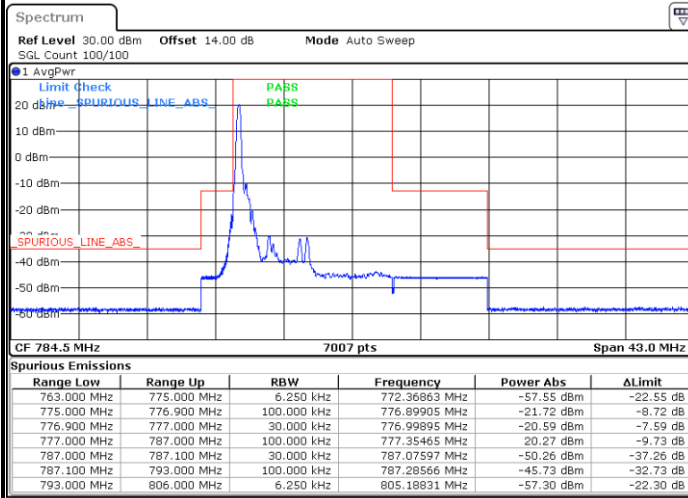


Date: 1 APR 2024 17:59:49



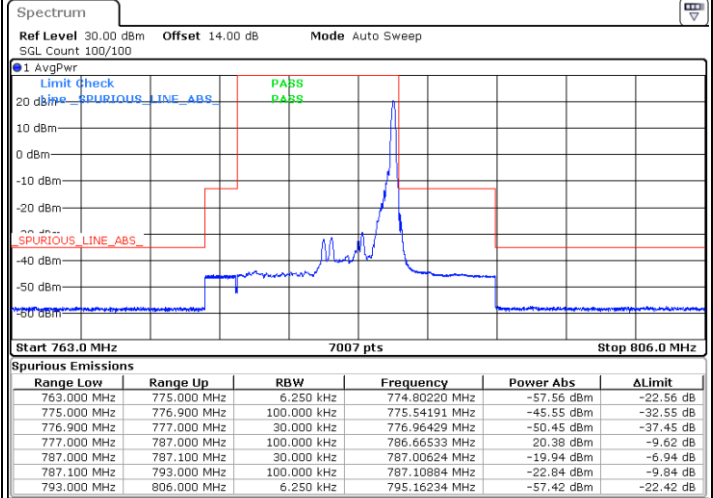
## LTE Band 13 / 5MHz / QPSK

## IC Lowest Band Edge / 1 RB



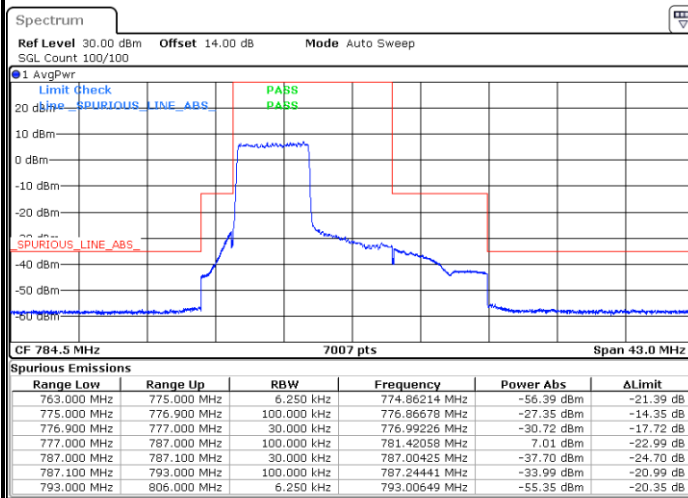
Date: 1 APR 2024 18:27:23

## IC Highest Band Edge / 1 RB



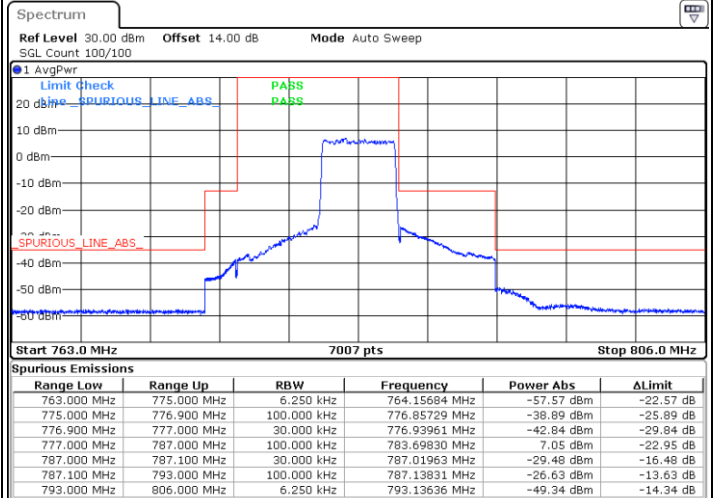
Date: 1 APR 2024 18:33:27

## IC Lowest Band Edge / Full RB



Date: 1 APR 2024 18:24:21

## IC Highest Band Edge / Full RB

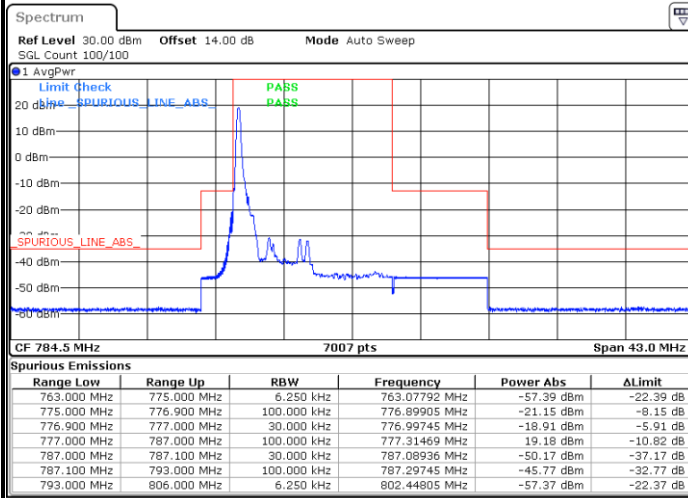


Date: 1 APR 2024 18:30:25



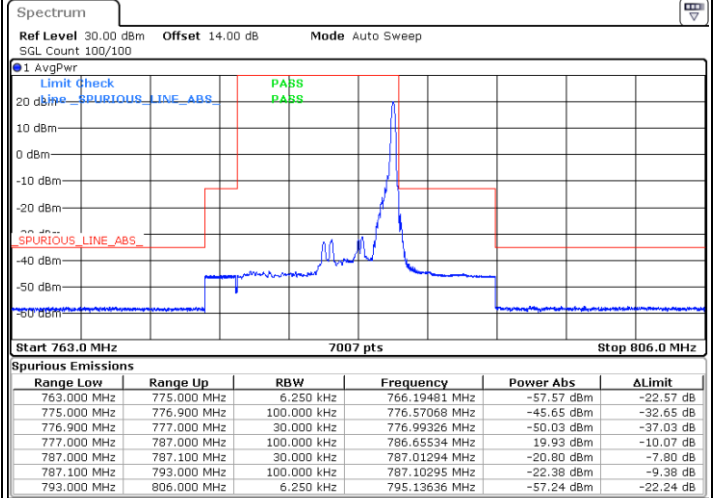
## LTE Band 13 / 5MHz / 16QAM

## IC Lowest Band Edge / 1 RB



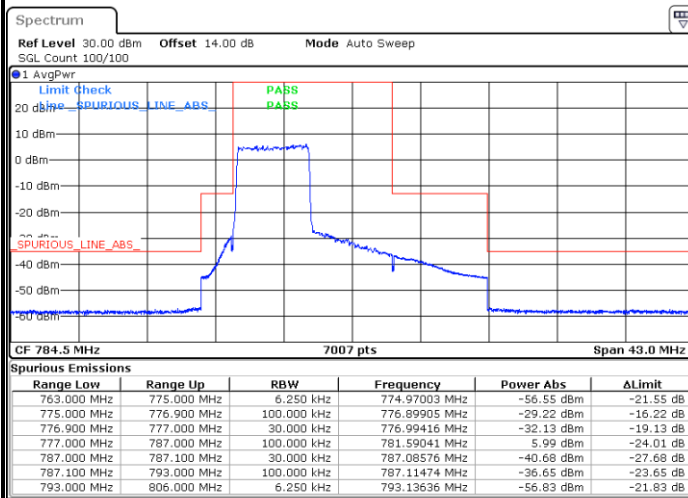
Date: 1 APR 2024 18:28:24

## IC Highest Band Edge / 1 RB



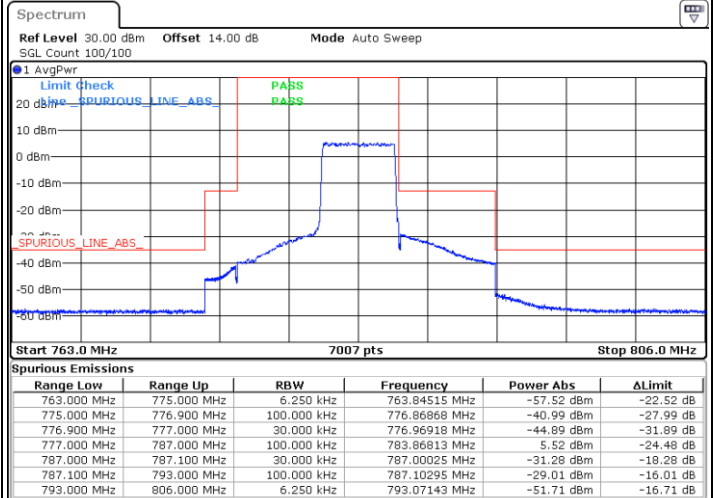
Date: 1 APR 2024 18:34:28

## IC Lowest Band Edge / Full RB



Date: 1 APR 2024 18:25:22

## IC Highest Band Edge / Full RB

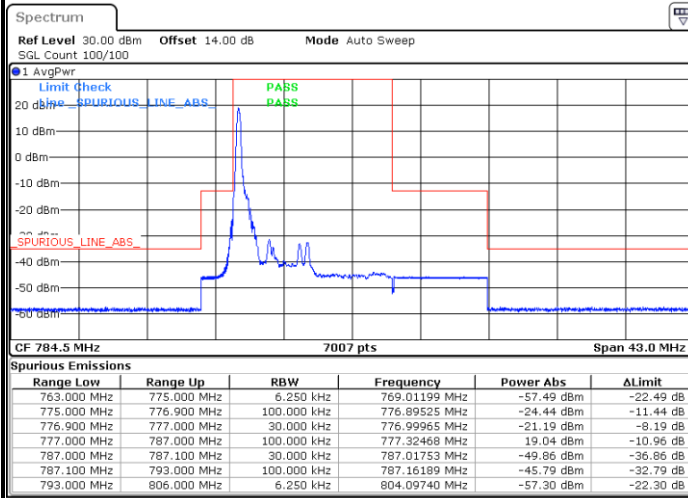


Date: 1 APR 2024 18:31:26



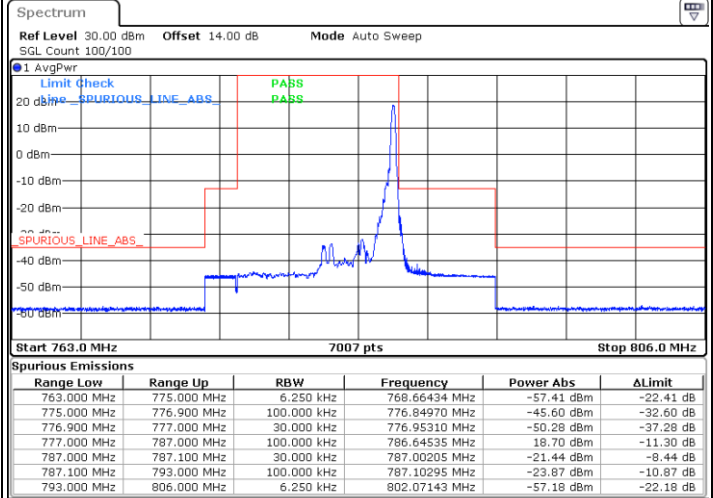
## LTE Band 13 / 5MHz / 64QAM

## IC Lowest Band Edge / 1 RB



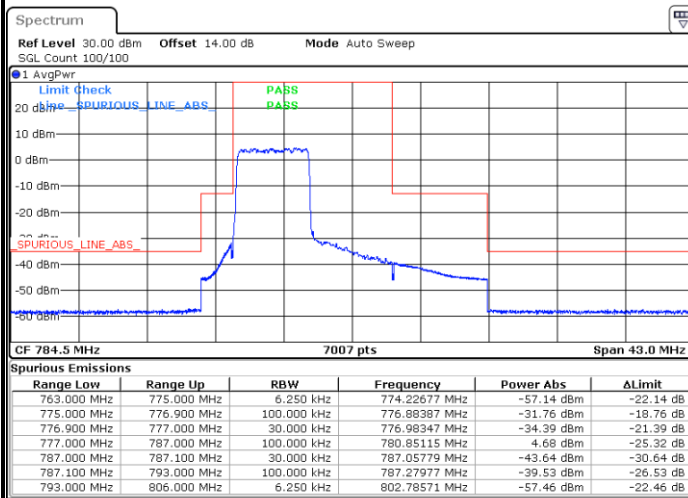
Date: 1 APR 2024 18:29:24

## IC Highest Band Edge / 1 RB



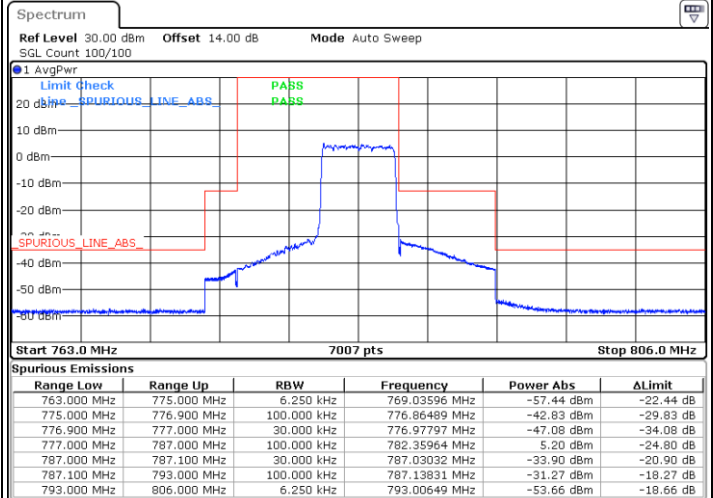
Date: 1 APR 2024 18:35:28

## Lowest Band Edge / Full RB



Date: 1 APR 2024 18:26:22

## Highest Band Edge / Full RB

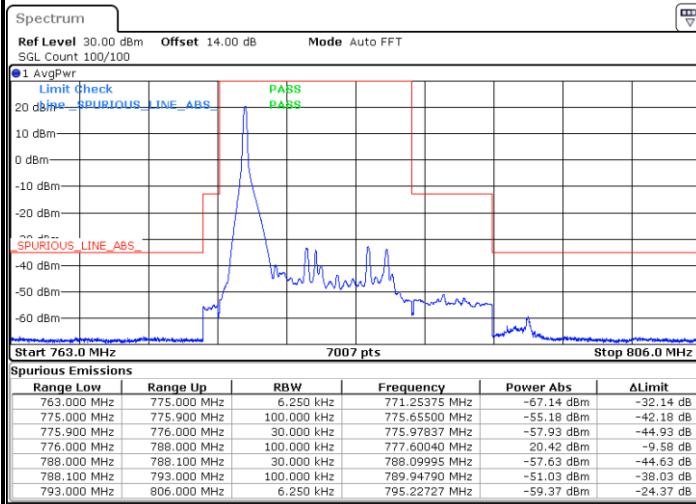


Date: 1 APR 2024 18:32:26



## LTE Band 13 / 10MHz / QPSK

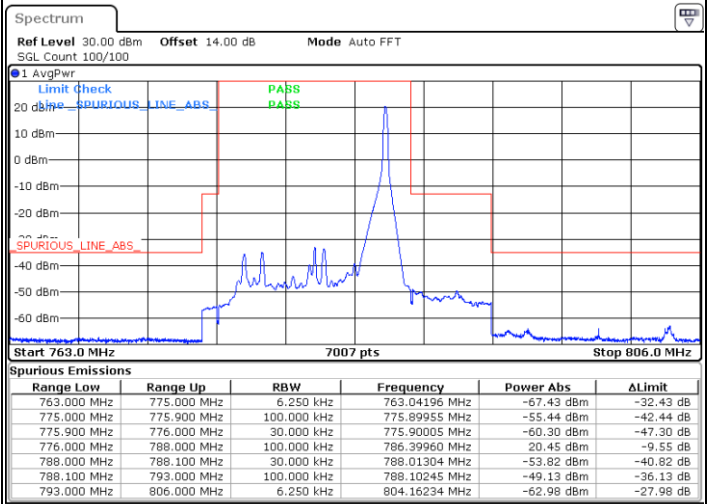
## Band Edge / 1 RB



Date: 1 APR 2024 18:02:48

## LTE Band 13 / 10MHz / QPSK

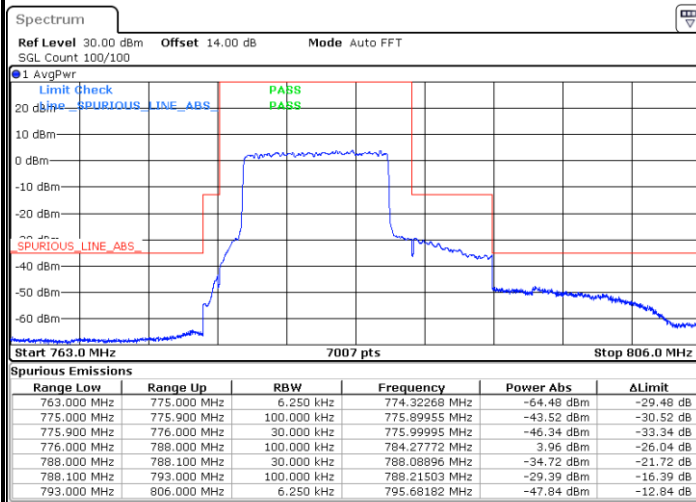
## Band Edge / 1 RB



Date: 1 APR 2024 18:05:50

## LTE Band 13 / 10MHz / QPSK

## Band Edge / Full RB



Date: 1 APR 2024 18:08:52



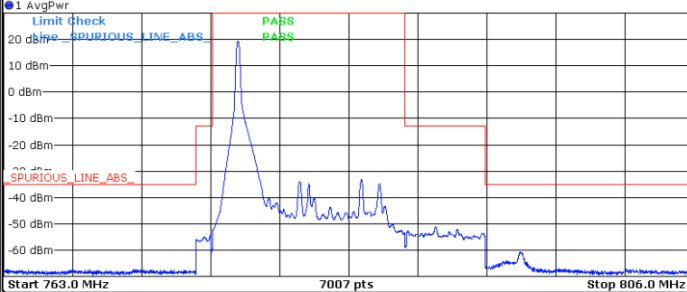
## LTE Band 13 / 10MHz / 16QAM

## Band Edge / 1 RB

## LTE Band 13 / 10MHz / 16QAM

## Band Edge / 1 RB

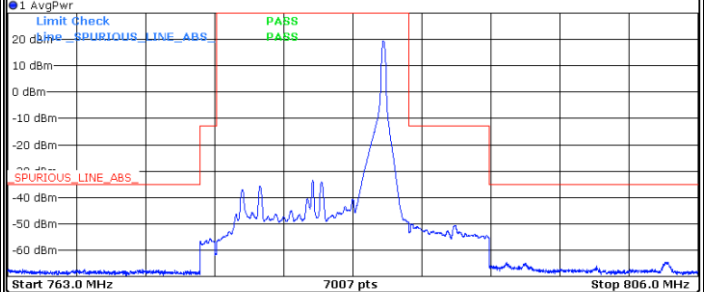
Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT  
SGL Count 100/100

| Range Low   | Range Up    | RBW         | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-------------|---------------|------------|-----------|
| 763.000 MHz | 775.000 MHz | 6.250 kHz   | 768.34066 MHz | -67.40 dBm | -32.40 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.99955 MHz | -54.43 dBm | -41.43 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz  | 775.99955 MHz | -59.19 dBm | -46.19 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.58841 MHz | -19.38 dBm | -10.62 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz  | 788.09446 MHz | -57.80 dBm | -44.80 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 789.89895 MHz | -51.18 dBm | -38.18 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz   | 795.16234 MHz | -60.72 dBm | -25.72 dB |

Date: 1 APR 2024 18:03:49

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT  
SGL Count 100/100

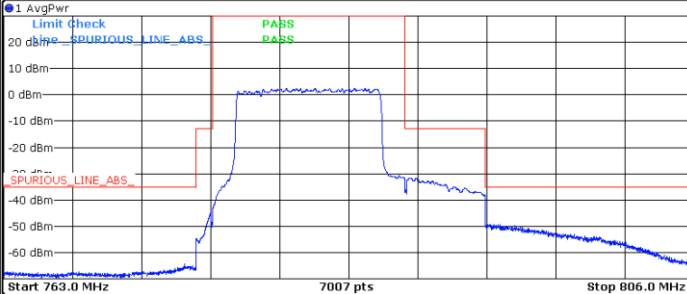
| Range Low   | Range Up    | RBW         | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-------------|---------------|------------|-----------|
| 763.000 MHz | 775.000 MHz | 6.250 kHz   | 763.05395 MHz | -67.43 dBm | -32.43 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.61633 MHz | -55.79 dBm | -42.79 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz  | 775.98417 MHz | -61.31 dBm | -48.31 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.38761 MHz | -19.53 dBm | -10.47 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz  | 788.06269 MHz | -52.90 dBm | -39.90 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.19056 MHz | -50.21 dBm | -37.21 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz   | 804.05844 MHz | -64.62 dBm | -29.62 dB |

Date: 1 APR 2024 18:06:50

## LTE Band 13 / 10MHz / 16QAM

## Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT  
SGL Count 100/100

| Range Low   | Range Up    | RBW         | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-------------|---------------|------------|-----------|
| 763.000 MHz | 775.000 MHz | 6.250 kHz   | 774.28671 MHz | -64.39 dBm | -29.39 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89955 MHz | -45.11 dBm | -32.11 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz  | 775.97128 MHz | -48.51 dBm | -35.51 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.22078 MHz | 2.36 dBm   | -27.64 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz  | 788.06628 MHz | -35.98 dBm | -22.98 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.69476 MHz | -31.76 dBm | -18.76 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz   | 793.79870 MHz | -49.29 dBm | -14.29 dB |

Date: 1 APR 2024 18:09:52

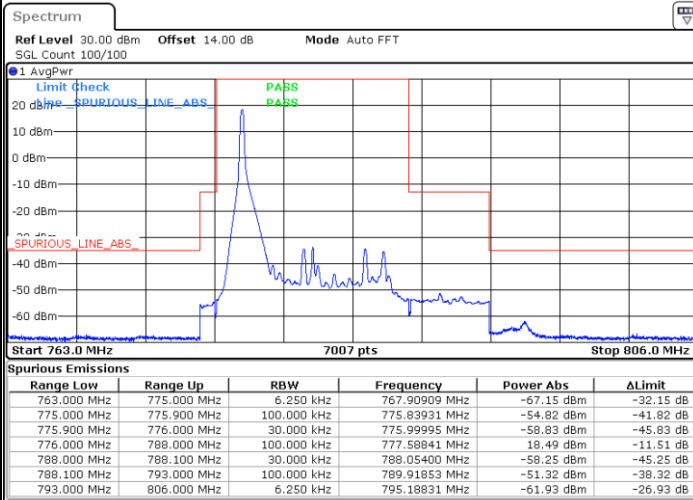


## LTE Band 13 / 10MHz / 64QAM

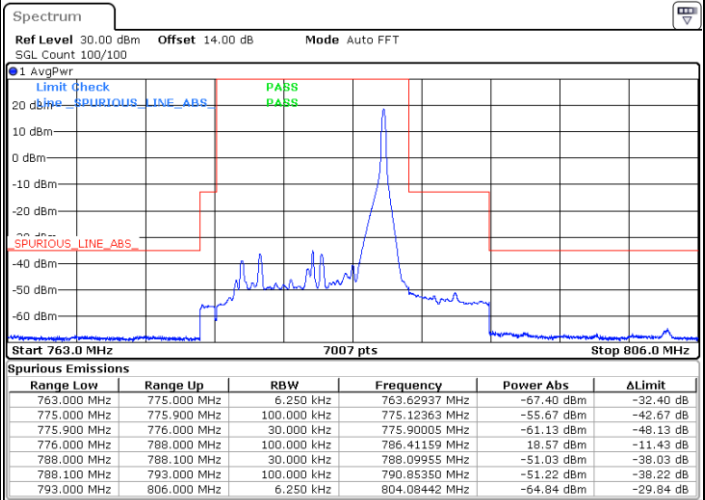
## Band Edge / 1 RB

## LTE Band 13 / 10MHz / 64QAM

## Band Edge / 1 RB



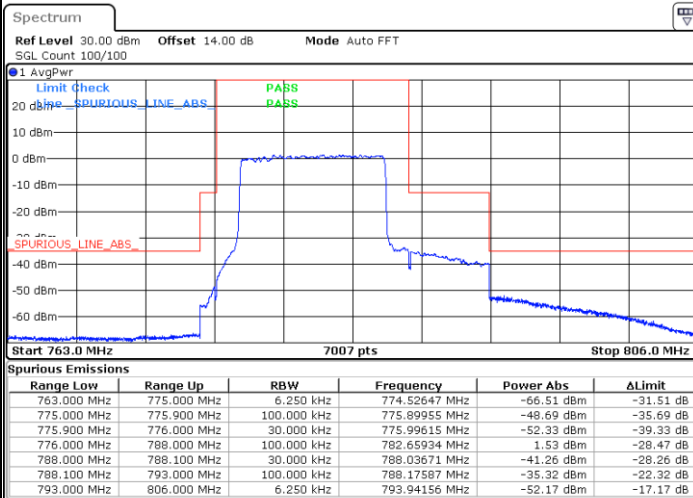
Date: 1 APR 2024 18:04:49



Date: 1 APR 2024 18:07:51

## LTE Band 13 / 10MHz / 64QAM

## Band Edge / Full RB

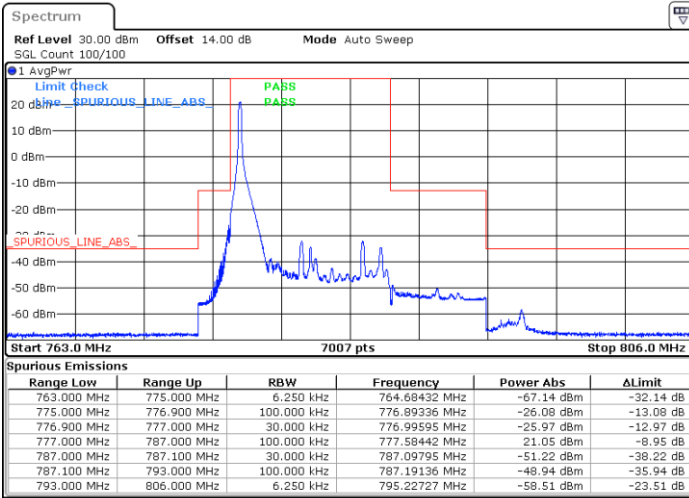


Date: 1 APR 2024 18:10:53



## IC LTE Band 13 / 10MHz / QPSK

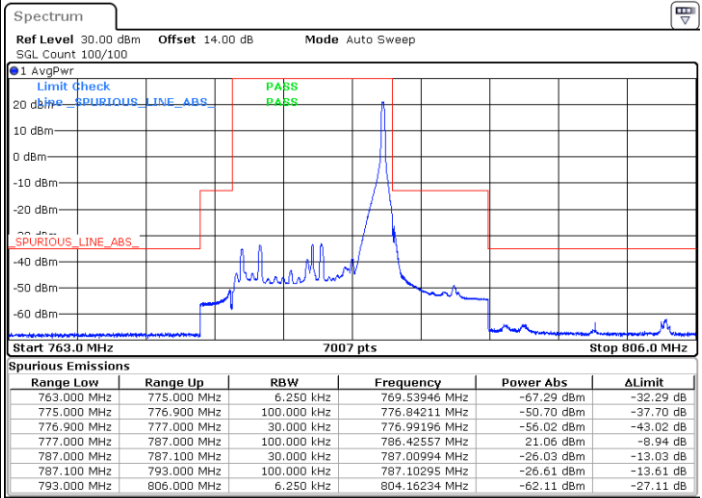
## Band Edge / 1 RB



Date: 6.APR.2024 13:51:06

## IC LTE Band 13 / 10MHz / QPSK

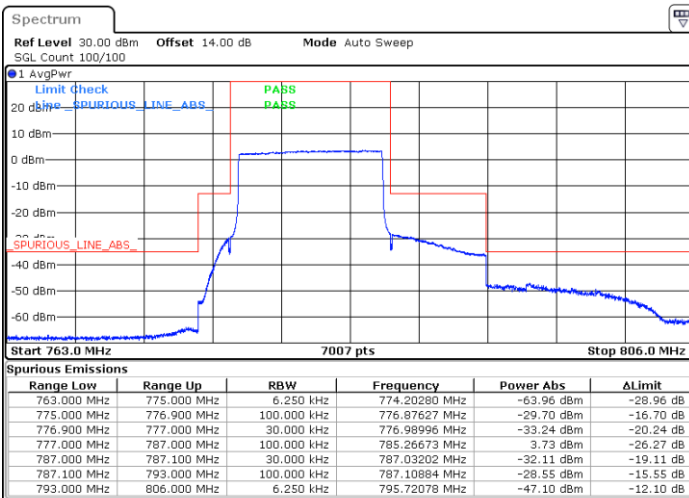
## Band Edge / 1 RB



Date: 6.APR.2024 13:54:53

## IC LTE Band 13 / 10MHz / QPSK

## Band Edge / Full RB



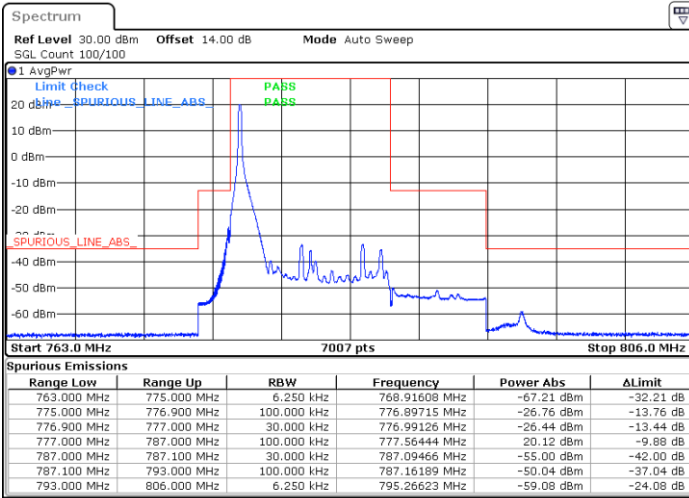
Date: 6.APR.2024 13:47:20





## IC LTE Band 13 / 10MHz / 16QAM

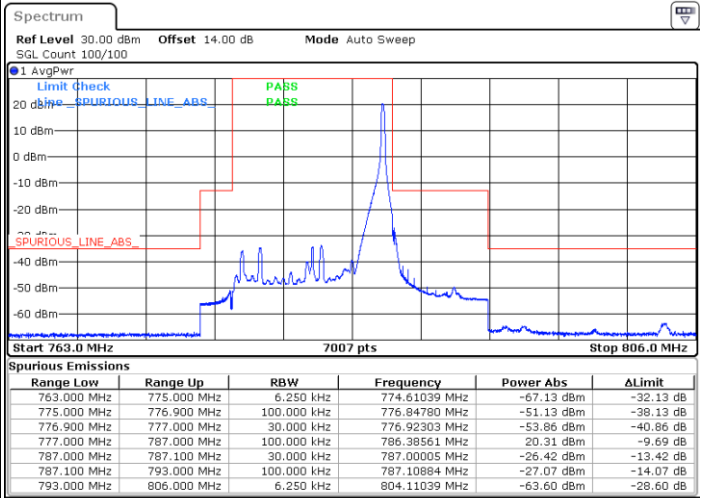
## Band Edge / 1 RB



Date: 6.APR.2024 13:52:22

## IC LTE Band 13 / 10MHz / 16QAM

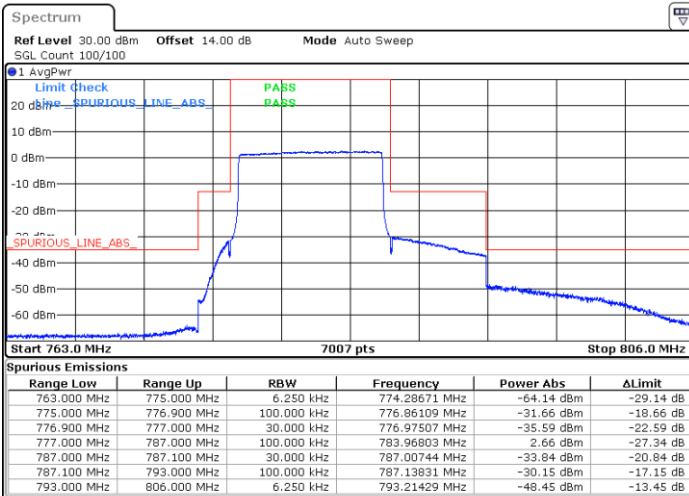
## Band Edge / 1 RB



Date: 6.APR.2024 13:56:08

## IC LTE Band 13 / 10MHz / 16QAM

## Band Edge / Full RB

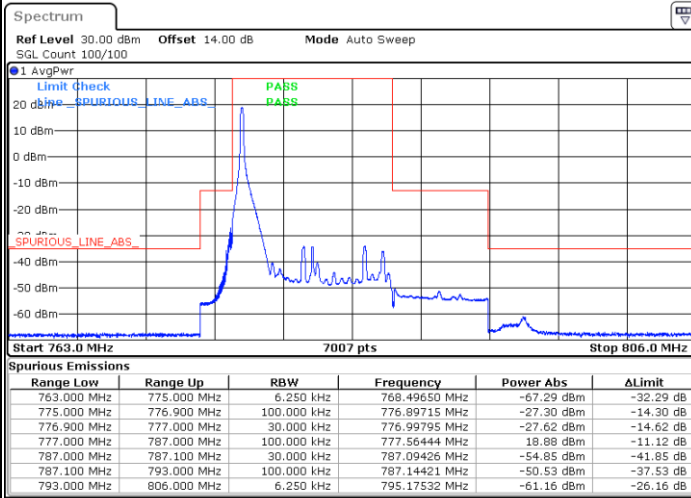


Date: 6.APR.2024 13:48:35



## IC LTE Band 13 / 10MHz / 64QAM

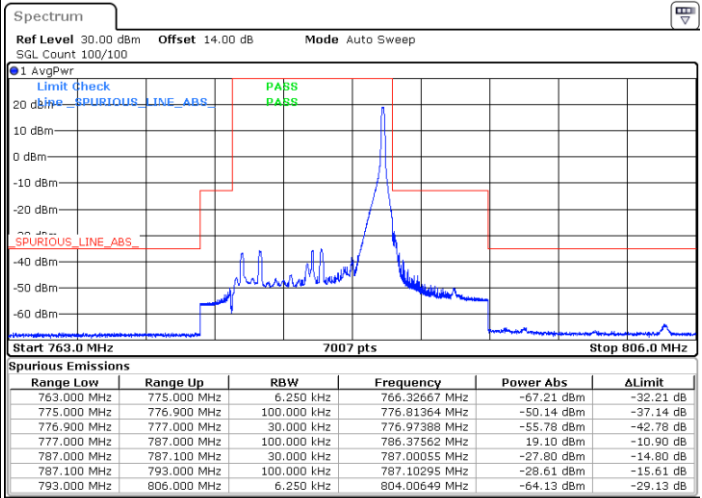
## Band Edge / 1 RB



Date: 6.APR.2024 13:53:37

## IC LTE Band 13 / 10MHz / 64QAM

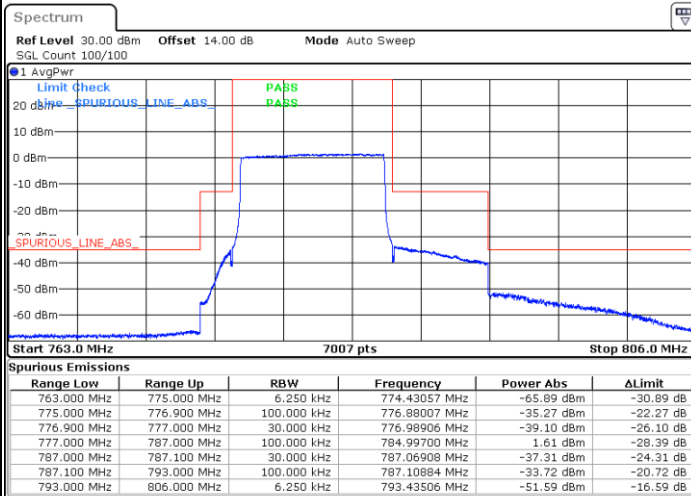
## Band Edge / 1 RB



Date: 6.APR.2024 13:57:24

## IC LTE Band 13 / 10MHz / 64QAM

## Band Edge / Full RB



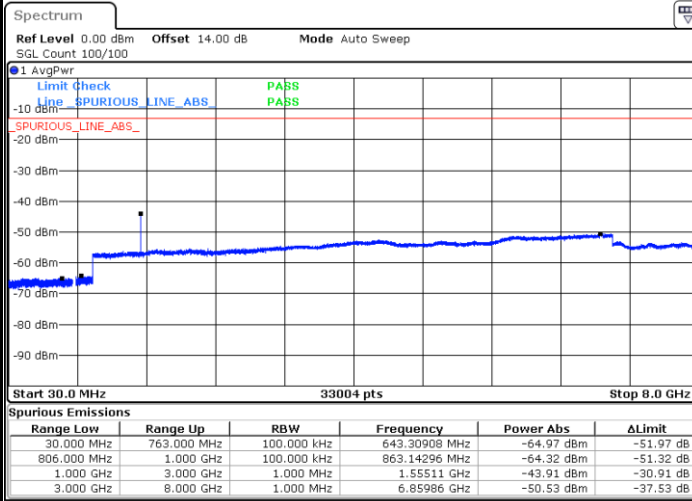
Date: 6.APR.2024 13:49:51



# Conducted Spurious Emission

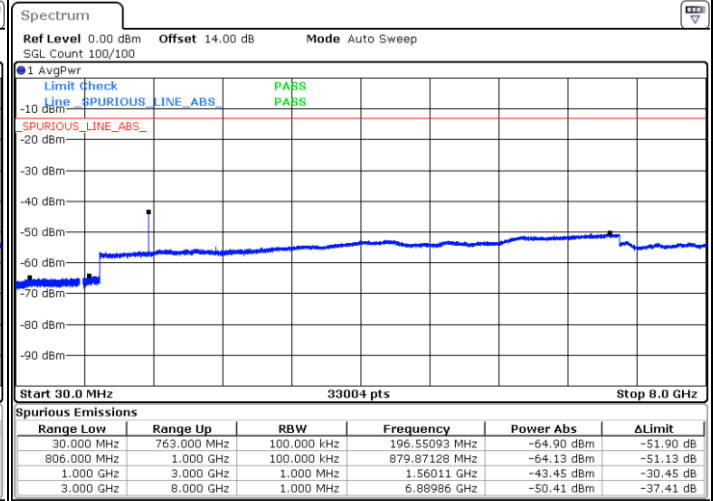
## LTE Band 13 / 5MHz

### Lowest Channel / QPSK



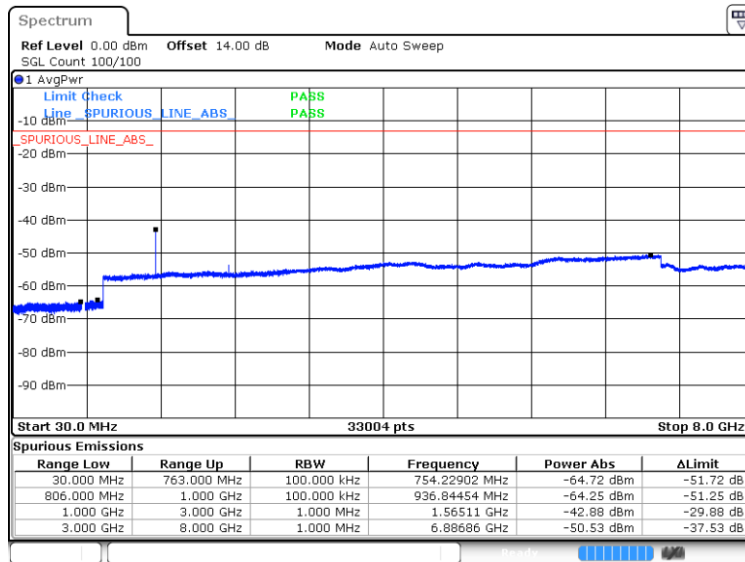
Date: 1 APR 2024 17:51:10

### Middle Channel / QPSK



Date: 1 APR 2024 17:52:24

### Highest Channel / QPSK

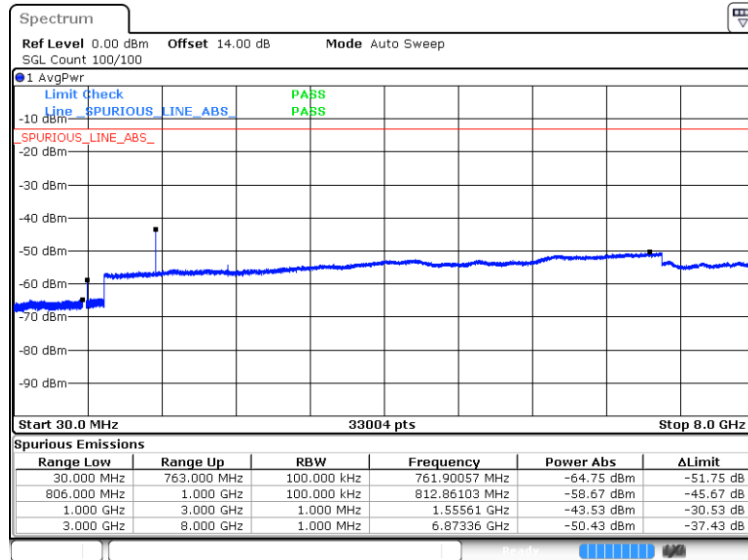


Date: 1 APR 2024 18:01:04



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.APR.2024 18:12:08

## Frequency Stability

| Test Conditions  |                 | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 10MHz                            | Note 2. |
|                  |                 | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage  | 0.0014                              | PASS    |
| 40               | Normal Voltage  | 0.0008                              |         |
| 30               | Normal Voltage  | 0.0015                              |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                              |         |
| 10               | Normal Voltage  | 0.0004                              |         |
| 0                | Normal Voltage  | 0.0004                              |         |
| -10              | Normal Voltage  | 0.0005                              |         |
| -20              | Normal Voltage  | 0.0010                              |         |
| -30              | Normal Voltage  | 0.0005                              |         |
| 20               | Maximum Voltage | 0.0008                              |         |
| 20               | Normal Voltage  | 0.0000                              |         |
| 20               | Minimum Voltage | 0.0003                              |         |

**Note:**

1. Normal Voltage =3.3 V. ; Minimum Voltage =3.14 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

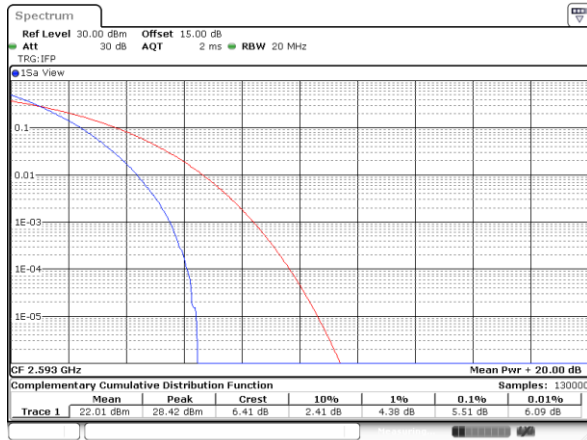
### Peak-to-Average Ratio

| Mode      | LTE Band 41 / 20MHz |         |         |             |
|-----------|---------------------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Result      |
| Middle CH | 5.51                | 6.32    | 6.41    | PASS        |



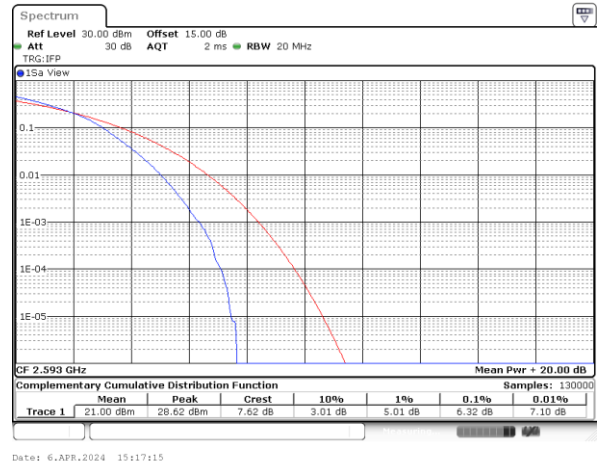
## LTE Band 41 / 20MHz / QPSK

## Middle Channel / Full RB



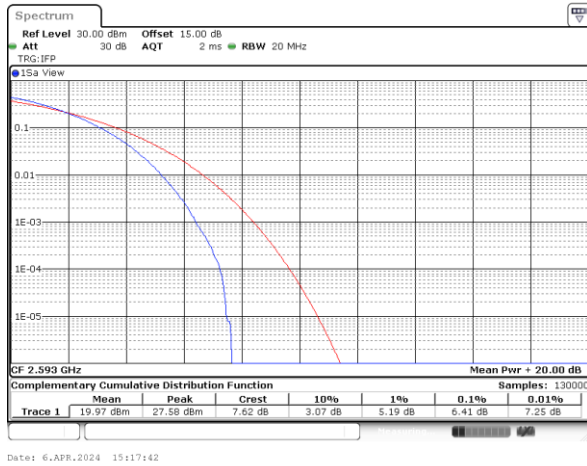
## LTE Band 41 / 20MHz / 16QAM

## Middle Channel / Full RB



## LTE Band 41 / 20MHz / 64QAM

## Middle Channel / Full RB





## 26dB Bandwidth

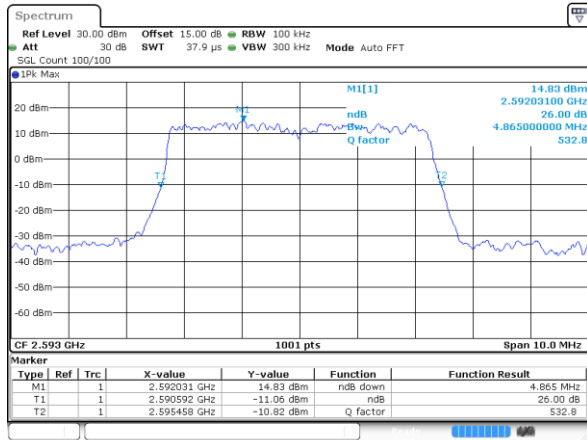
| Mode      | LTE Band 41 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|-----------|----------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 1.4MHz                     |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                       | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | -                          | -     | -    | -     | 4.87 | 4.87  | 9.65  | 9.75  | 14.15 | 14.51 | 18.82 | 18.66 |





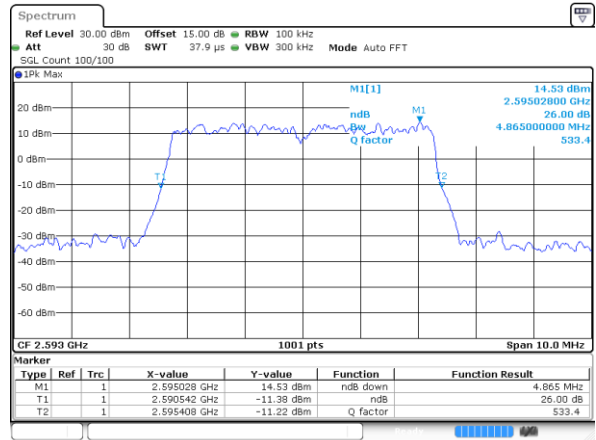
## LTE Band 41

## Middle Channel / 5MHz / QPSK



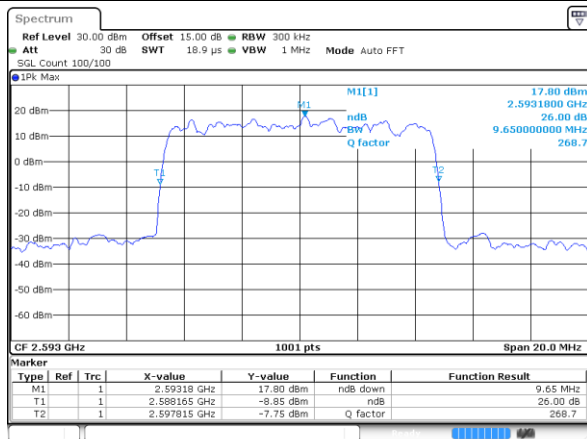
Date: 27 MAR 2024 17:01:50

## Middle Channel / 5MHz / 16QAM



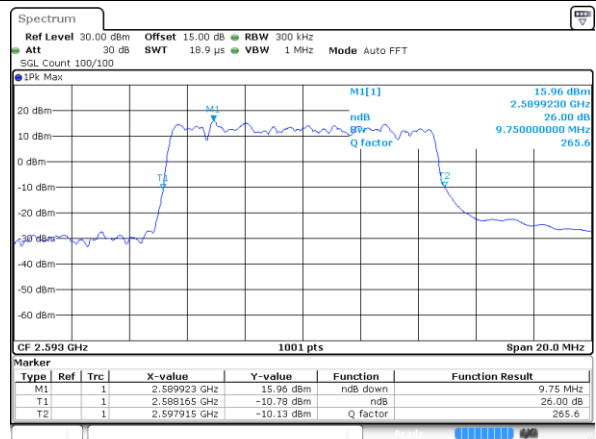
Date: 27 MAR 2024 17:02:30

## Middle Channel / 10MHz / QPSK



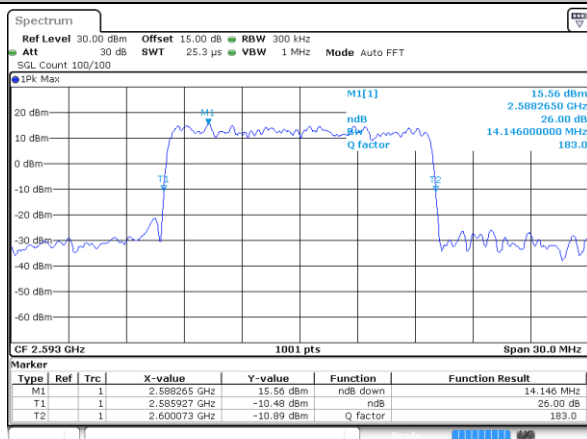
Date: 27 MAR 2024 17:20:46

## Middle Channel / 10MHz / 16QAM



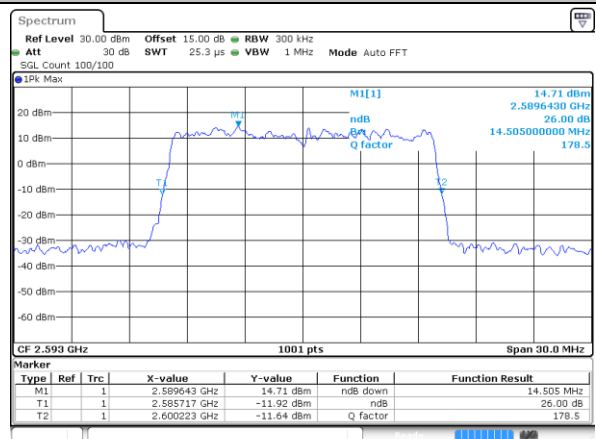
Date: 27 MAR 2024 17:21:26

## Middle Channel / 15MHz / QPSK



Date: 27 MAR 2024 17:37:41

## Middle Channel / 15MHz / 16QAM

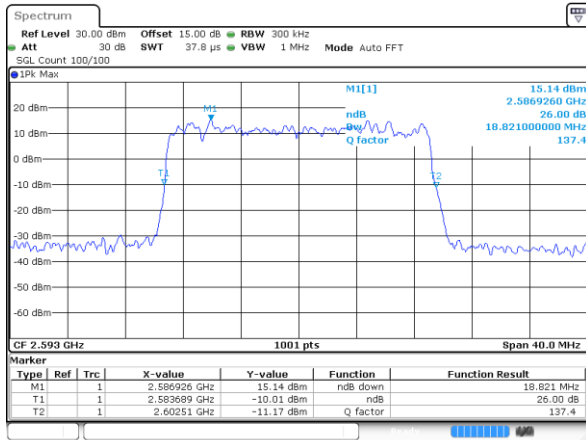


Date: 27 MAR 2024 17:38:22

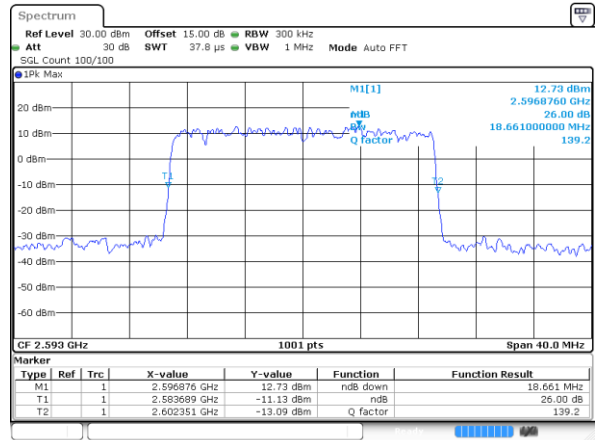


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





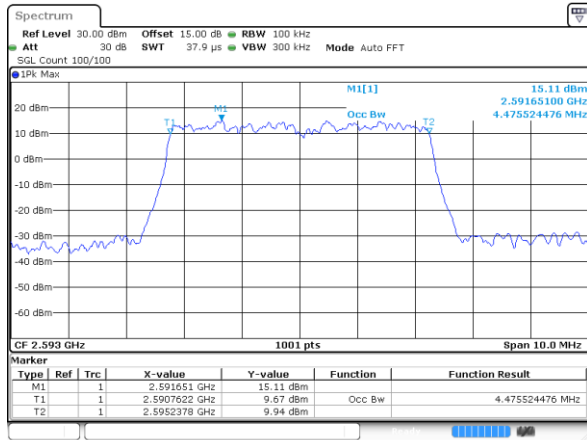
## Occupied Bandwidth

| 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 | -                         | -     | -    | -     | 4.48 | 4.51  | 9.05  | 9.05  | 13.46 | 13.46 | 17.82 | 17.90 |



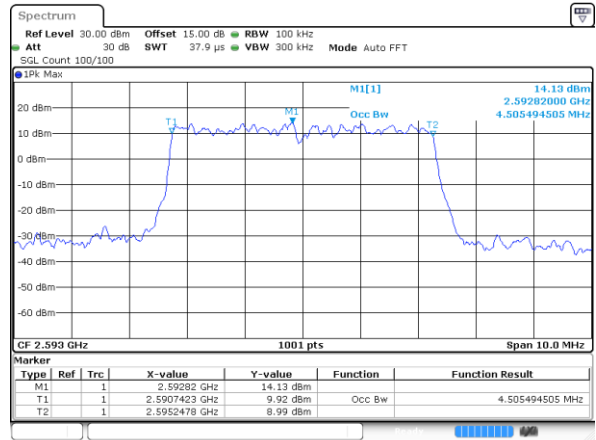
## LTE Band 41

## Middle Channel / 5MHz / QPSK



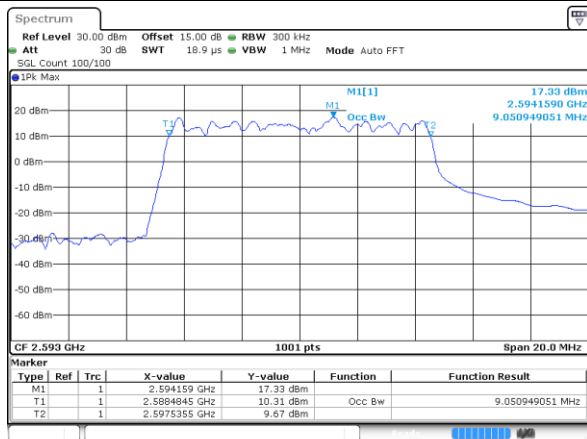
Date: 27 MAR 2024 17:01:36

## Middle Channel / 5MHz / 16QAM



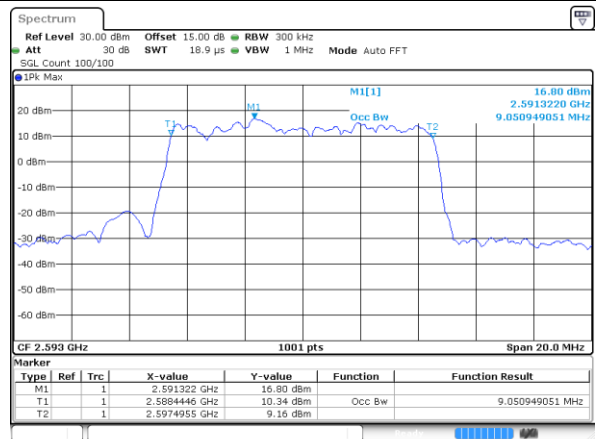
Date: 27 MAR 2024 17:02:16

## Middle Channel / 10MHz / QPSK



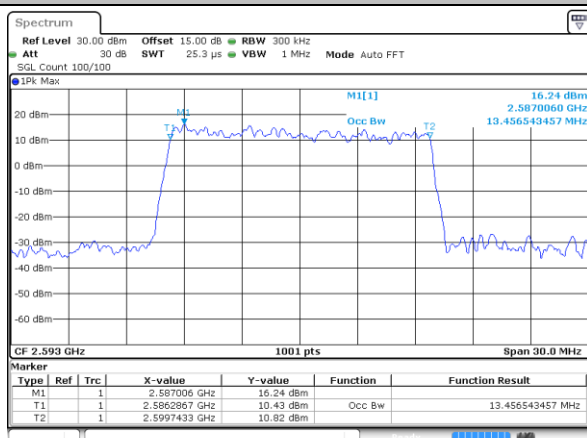
Date: 27 MAR 2024 17:20:32

## Middle Channel / 10MHz / 16QAM



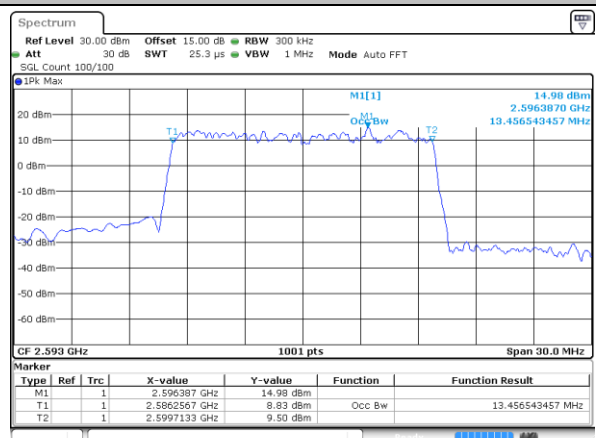
Date: 27 MAR 2024 17:21:12

## Middle Channel / 15MHz / QPSK



Date: 27 MAR 2024 17:37:27

## Middle Channel / 15MHz / 16QAM

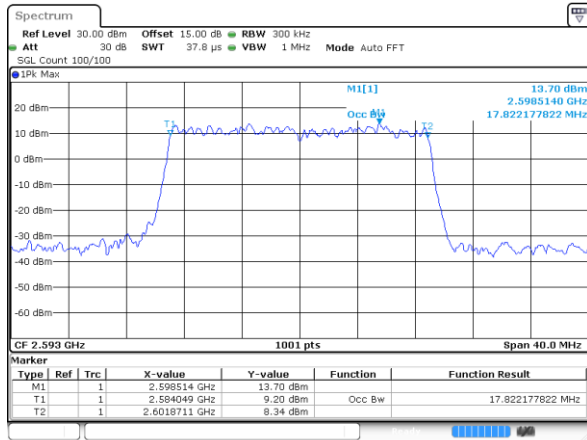


Date: 27 MAR 2024 17:38:08



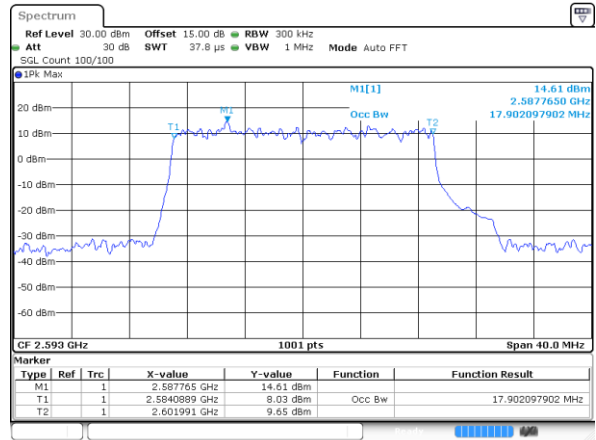
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 MAR 2024 17:55:02

Middle Channel / 20MHz / 16QAM



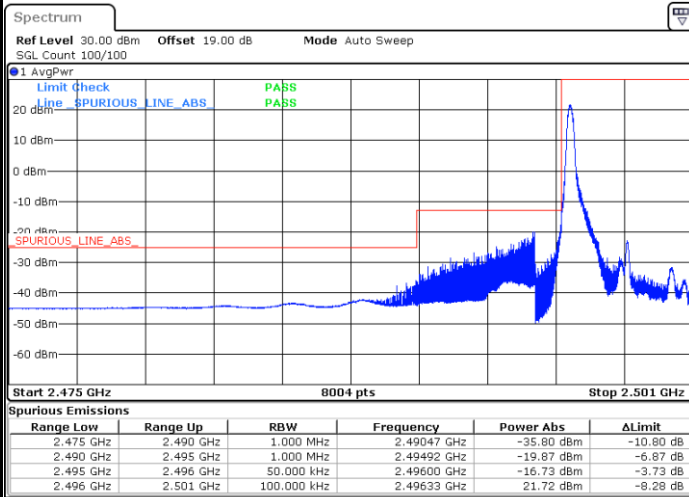
Date: 27 MAR 2024 17:55:42



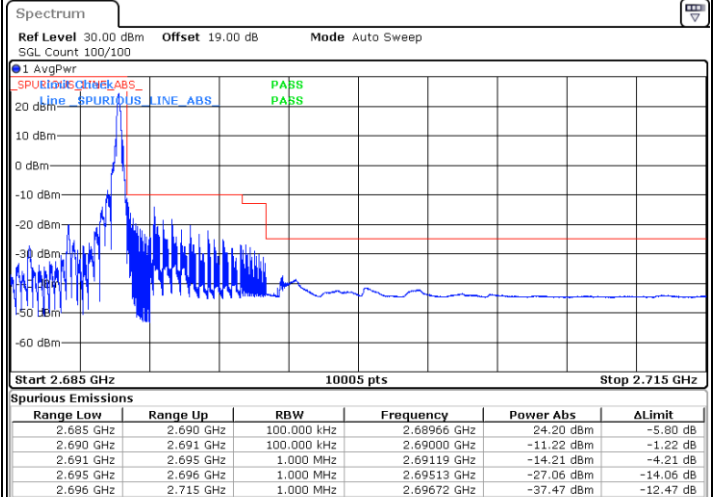
# Conducted Band Edge

## LTE Band 41 / 5MHz / QPSK

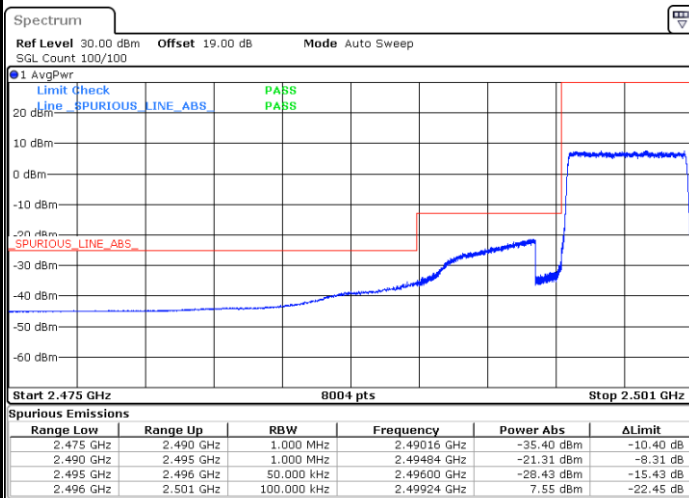
### Lowest Band Edge / 1 RB



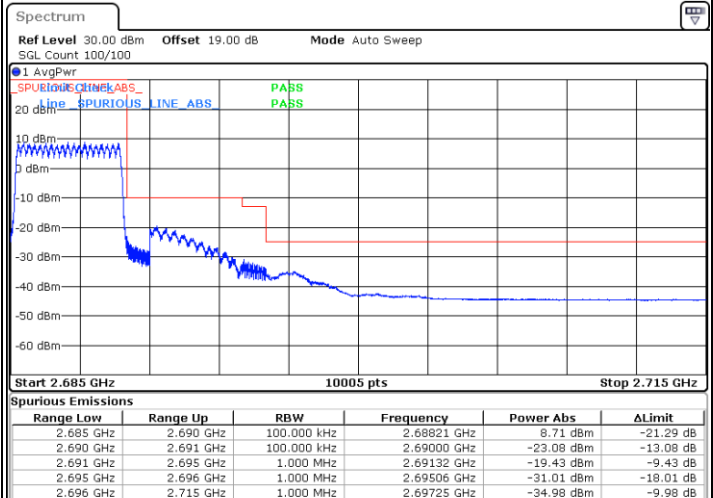
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



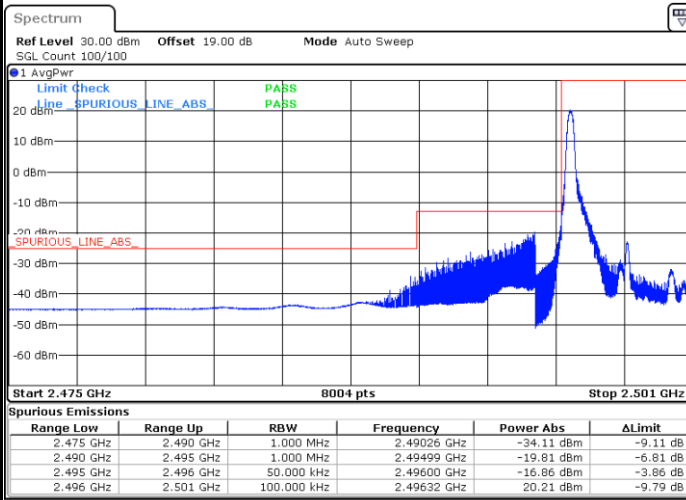
### Highest Band Edge / Full RB





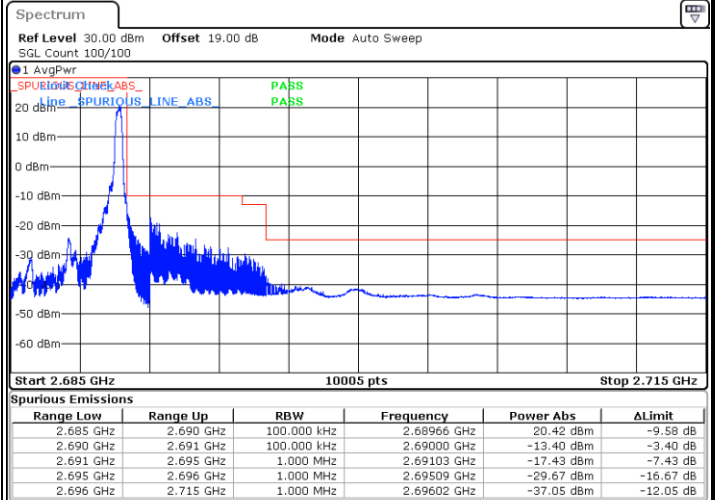
## LTE Band 41 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



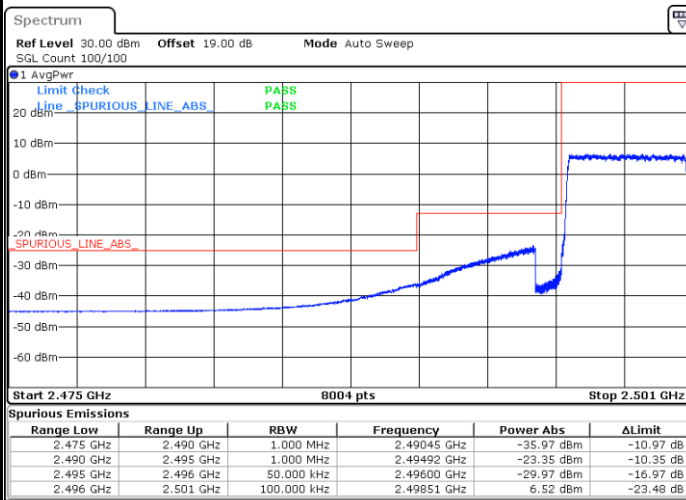
Date: 27 MAR 2024 16:53:25

## Highest Band Edge / 1 RB



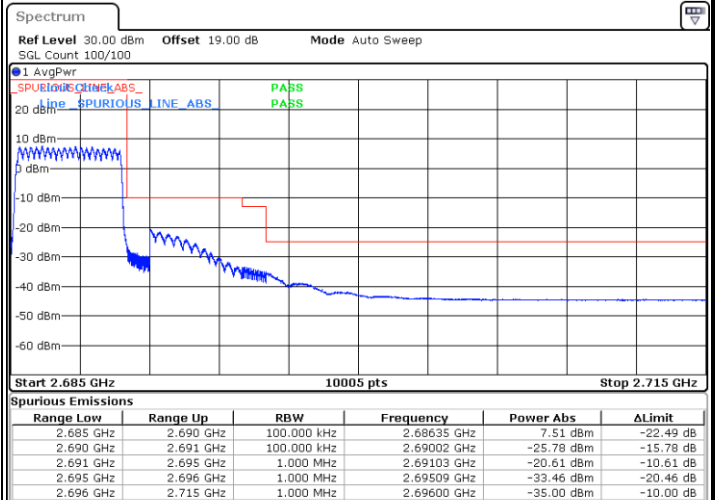
Date: 27 MAR 2024 17:05:03

## Lowest Band Edge / Full RB



Date: 27 MAR 2024 16:57:18

## Highest Band Edge / Full RB

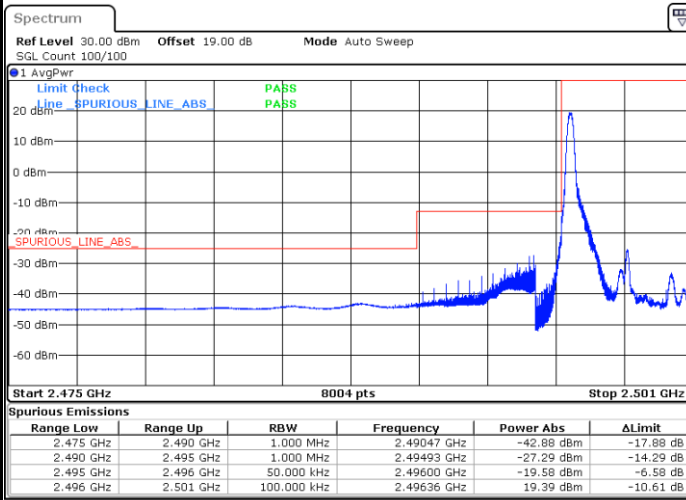


Date: 27 MAR 2024 17:08:58

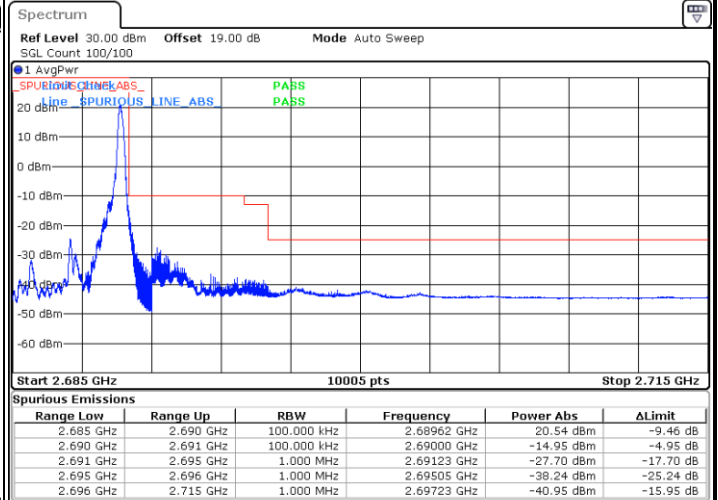


## LTE Band 41 / 5MHz / 64QAM

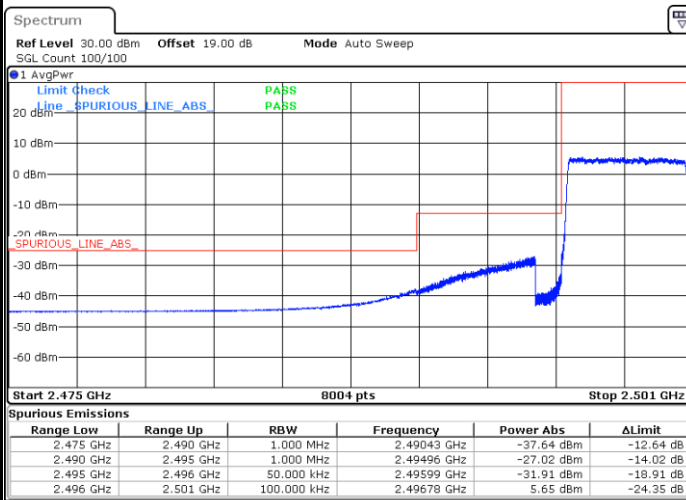
## Lowest Band Edge / 1RB



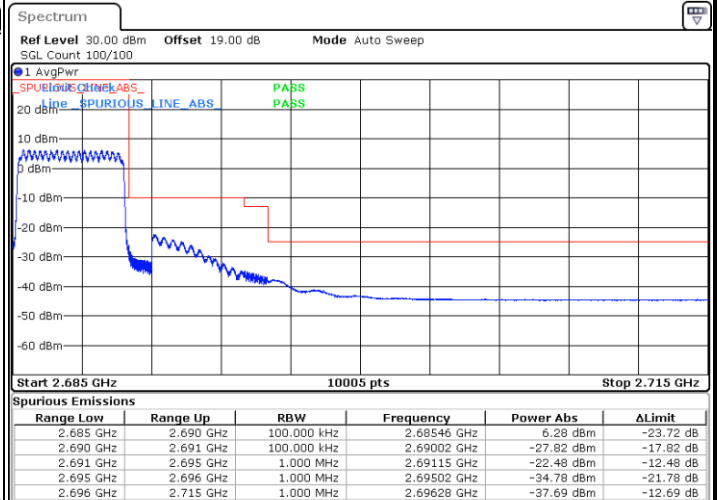
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

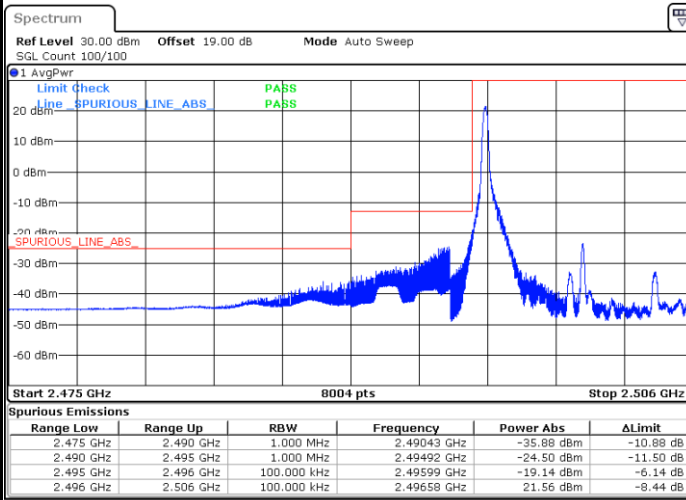




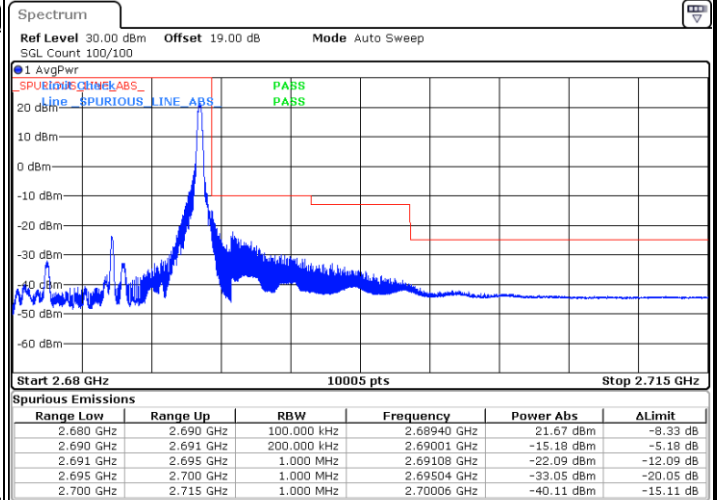


## LTE Band 41 / 10MHz / QPSK

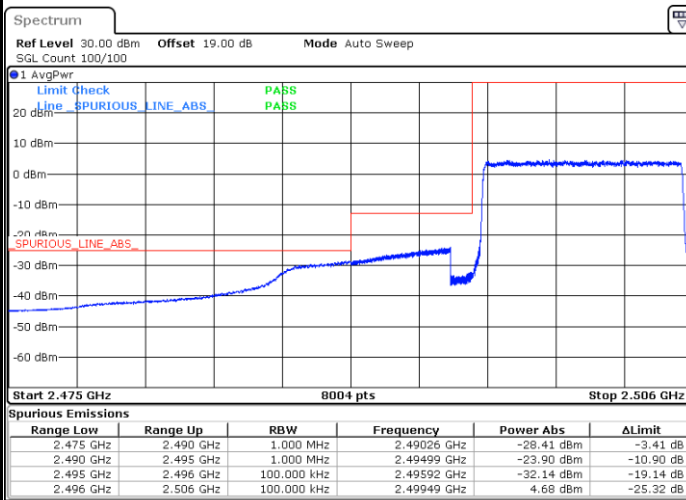
## Lowest Band Edge / 1 RB



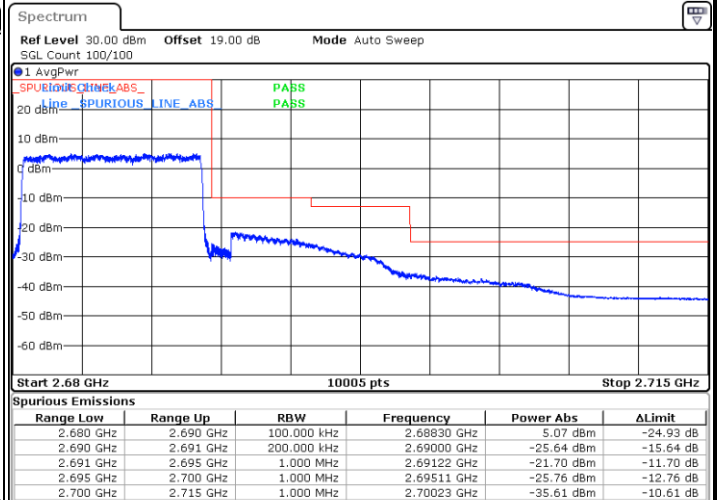
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



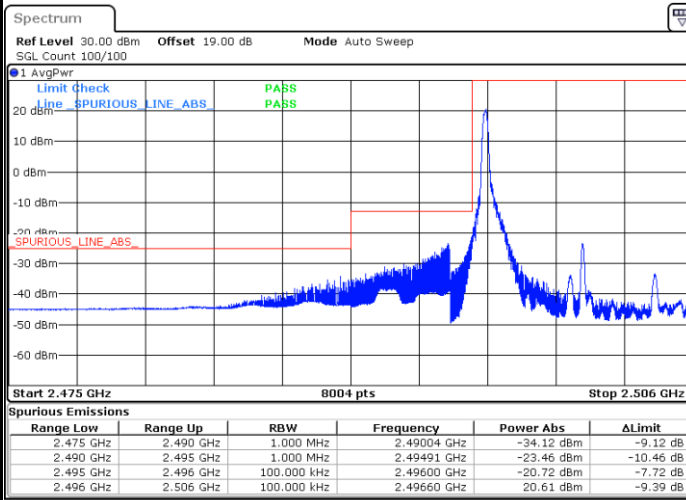
## Highest Band Edge / Full RB





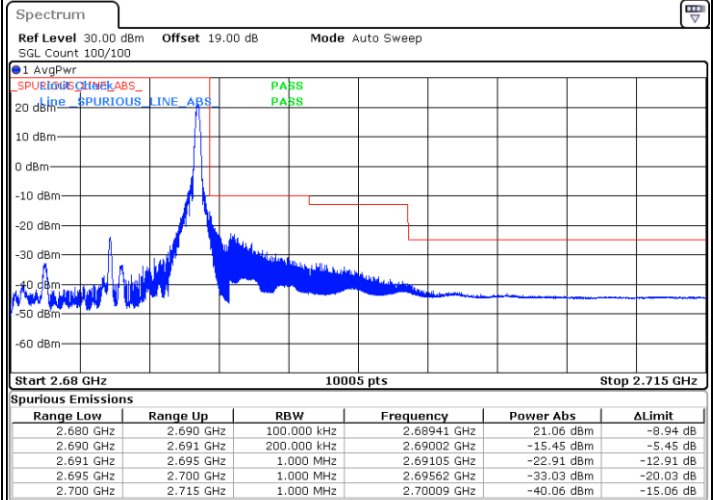
## LTE Band 41 / 10MHz / 16QAM

## Lowest Band Edge / 1RB



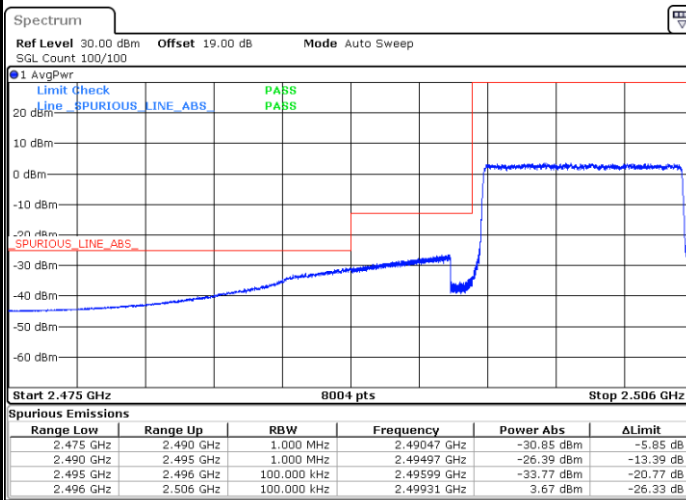
Date: 27 MAR 2024 17:14:22

## Highest Band Edge / 1 RB



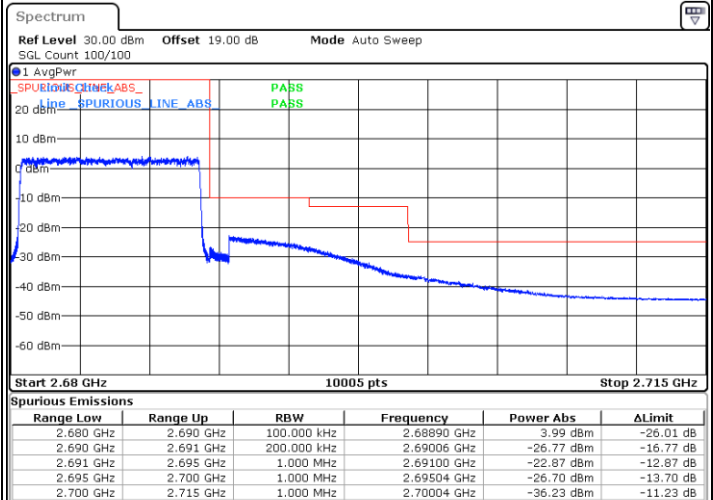
Date: 27 MAR 2024 17:23:10

## Lowest Band Edge / Full RB



Date: 27 MAR 2024 17:17:00

## Highest Band Edge / Full RB

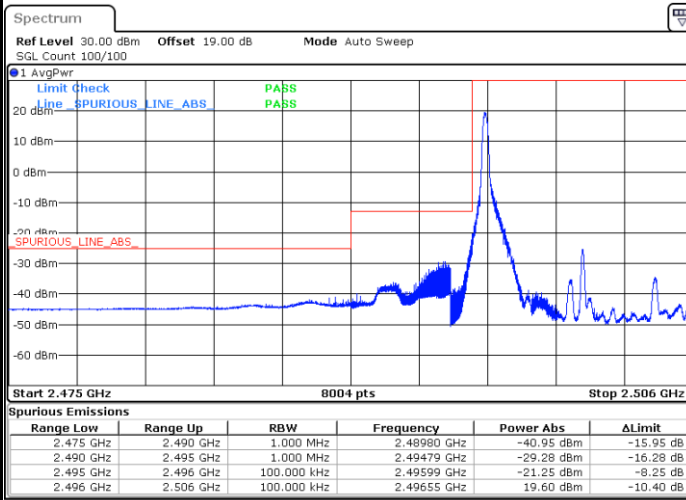


Date: 27 MAR 2024 17:25:47

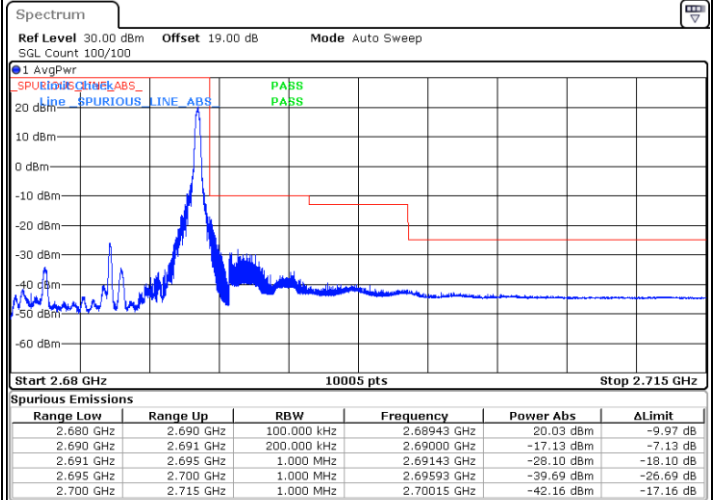


## LTE Band 41 / 10MHz / 64QAM

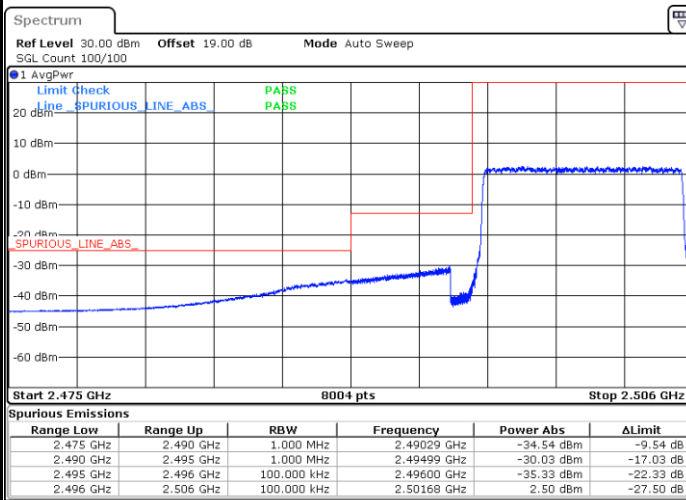
## Lowest Band Edge / 1RB



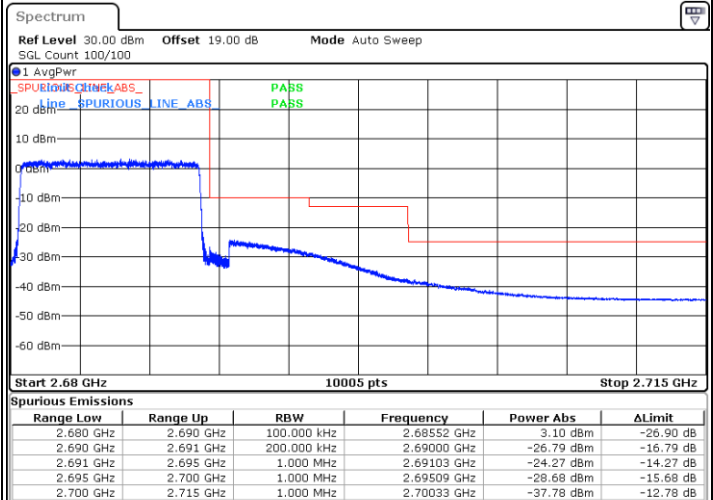
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



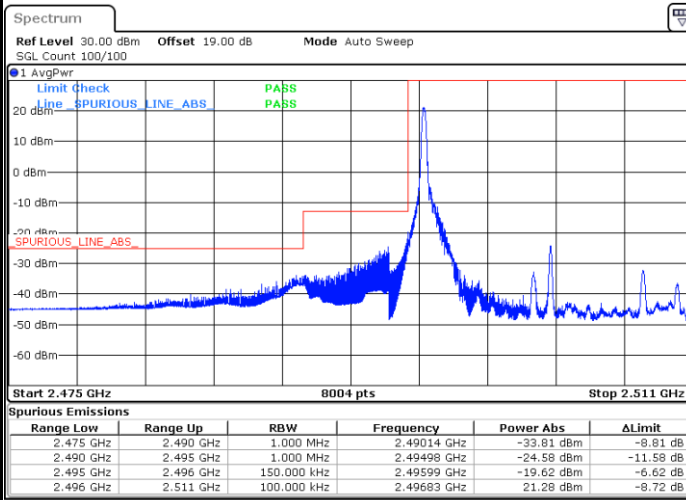
## Highest Band Edge / Full RB



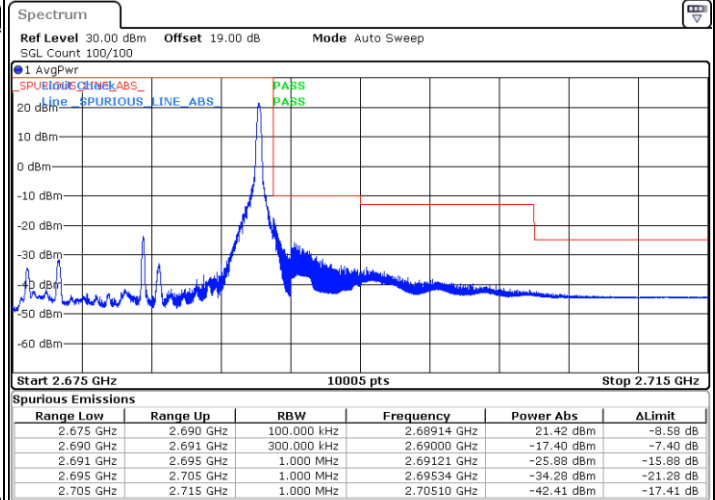


## LTE Band 41 / 15MHz / QPSK

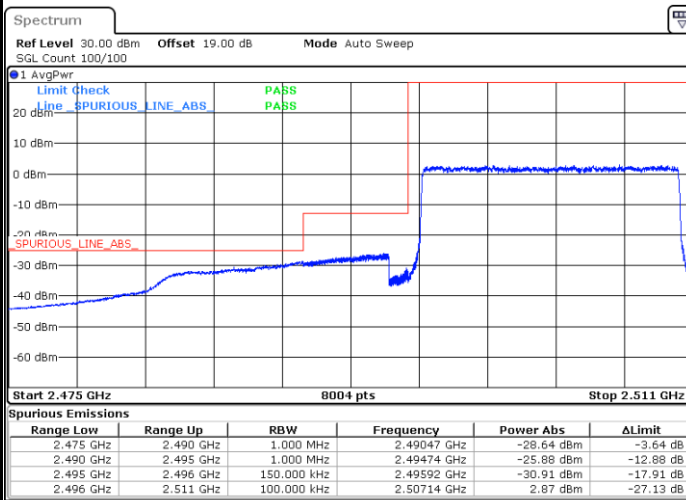
## Lowest Band Edge / 1 RB



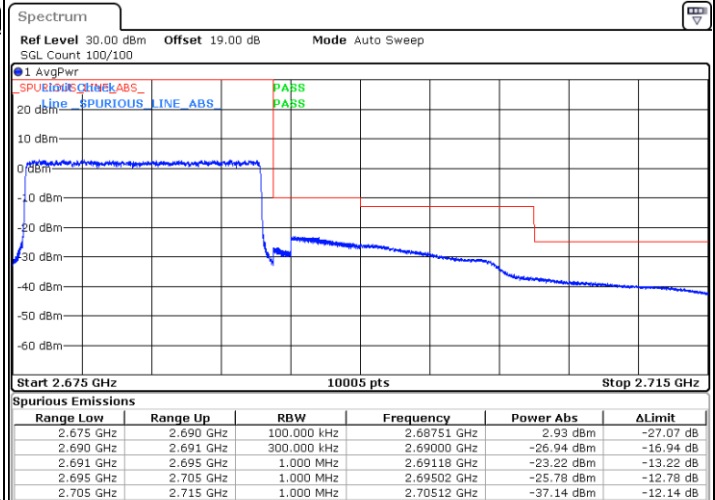
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



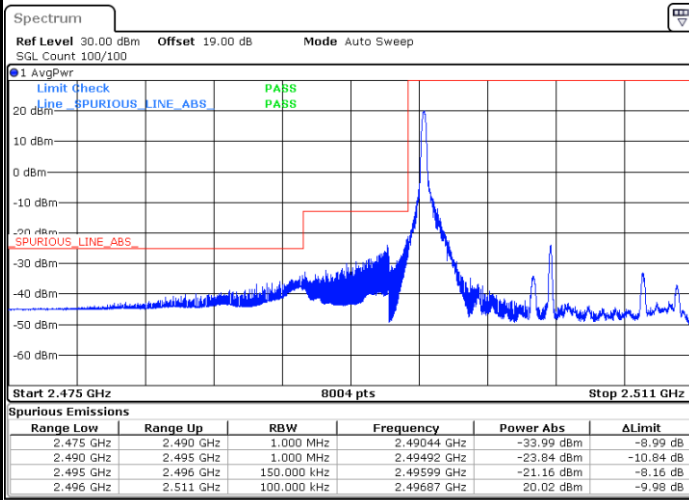
## Highest Band Edge / Full RB



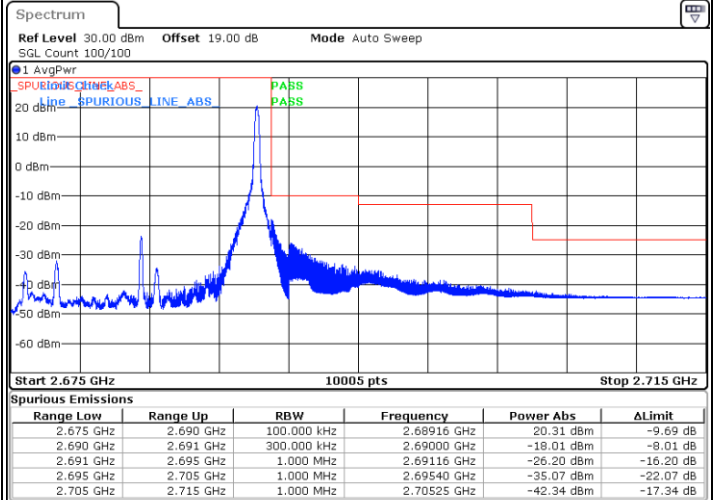


## LTE Band 41 / 15MHz / 16QAM

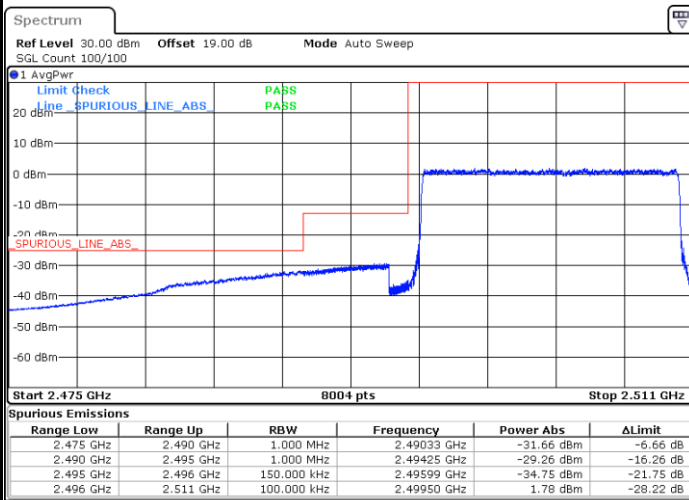
## Lowest Band Edge / 1RB



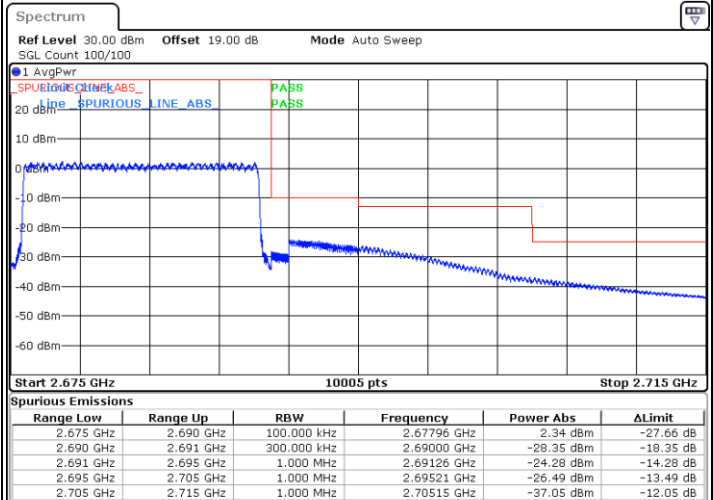
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



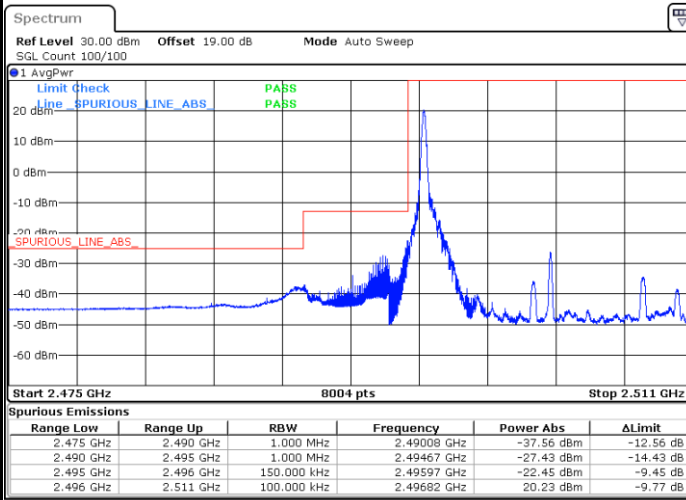
## Highest Band Edge / Full RB





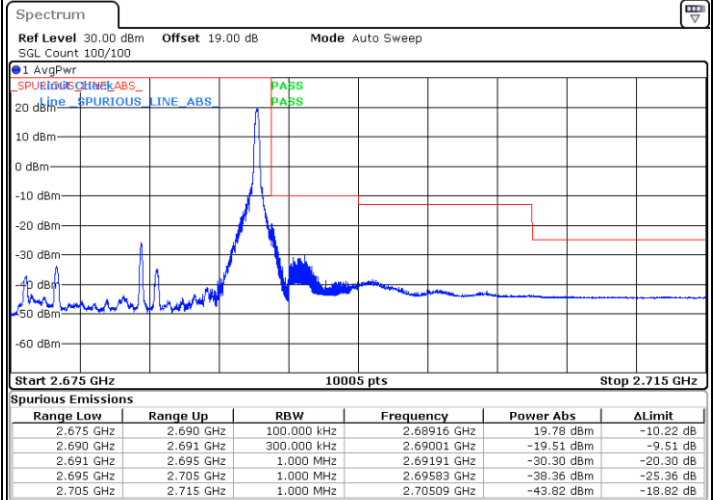
## LTE Band 41 / 15MHz / 64QAM

## Lowest Band Edge / 1RB



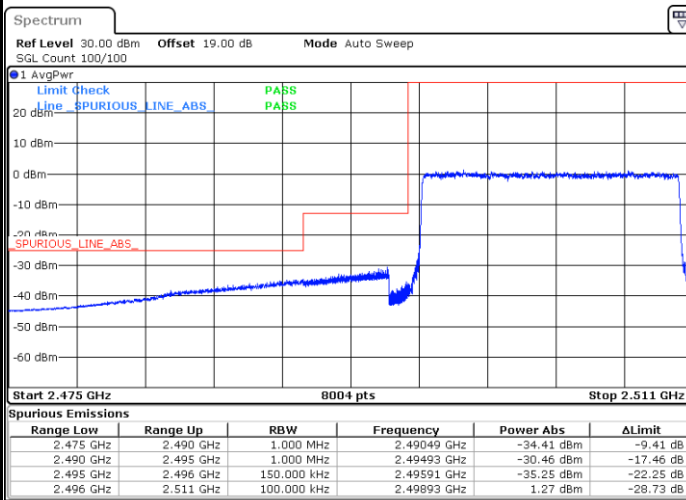
Date: 27 MAR 2024 17:31:51

## Highest Band Edge / 1 RB



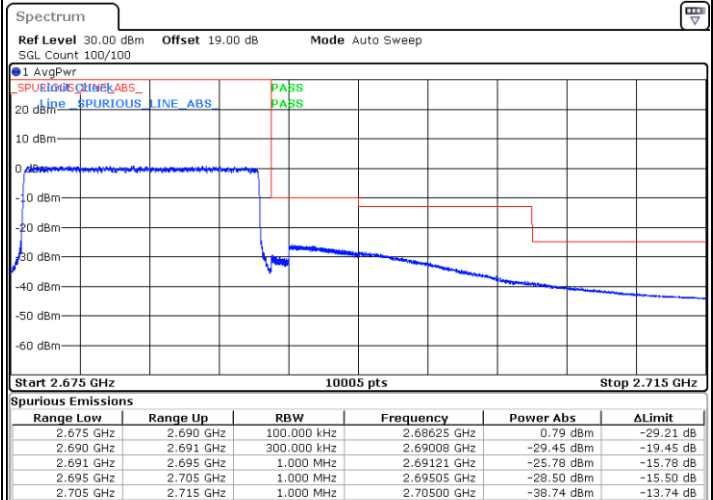
Date: 27 MAR 2024 17:41:05

## Lowest Band Edge / Full RB



Date: 27 MAR 2024 17:32:43

## Highest Band Edge / Full RB



Date: 27 MAR 2024 17:42:00