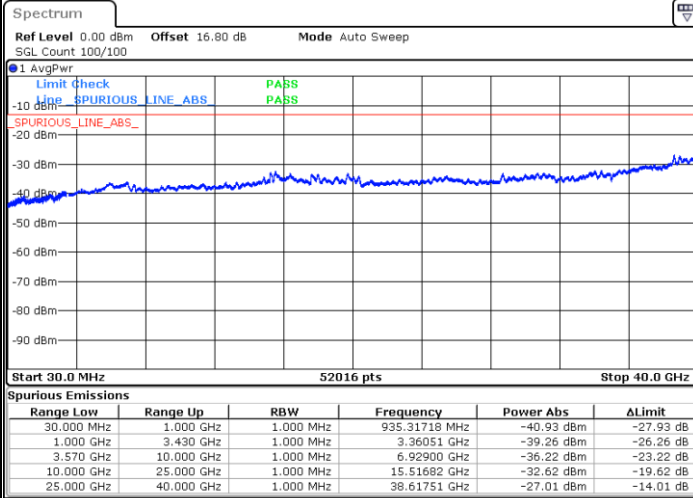




# Conducted Spurious Emission

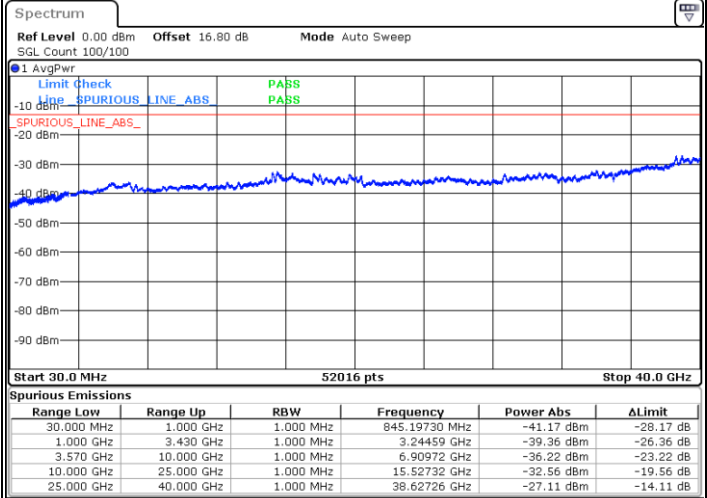
## LTE Band 42 / 5MHz

### Lowest Channel / QPSK



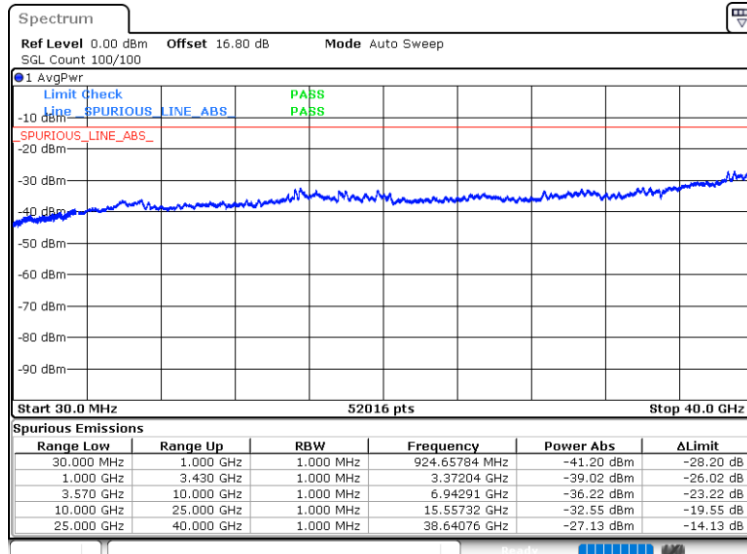
Date: 24.NOV.2022 10:44:24

### Middle Channel / QPSK



Date: 24.NOV.2022 08:31:18

### Highest Channel / QPSK

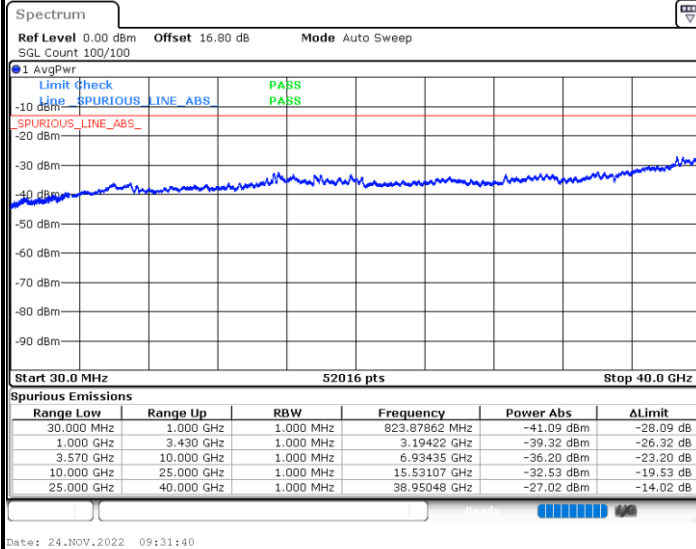


Date: 24.NOV.2022 10:47:18

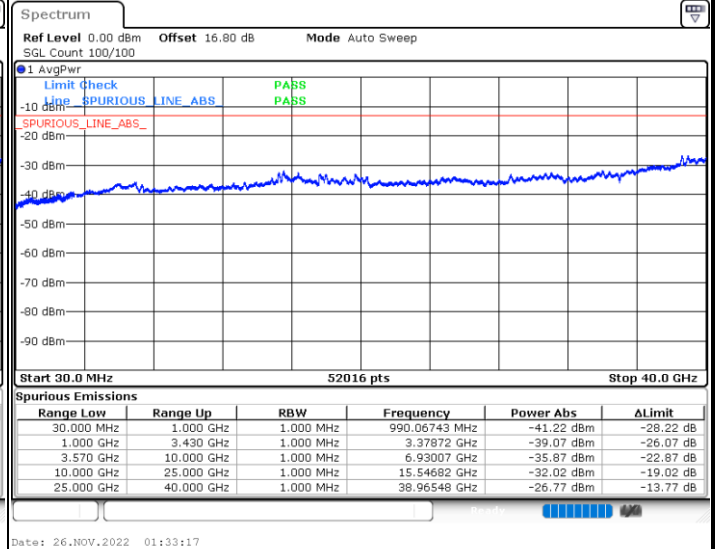


## LTE Band 42 / 10MHz

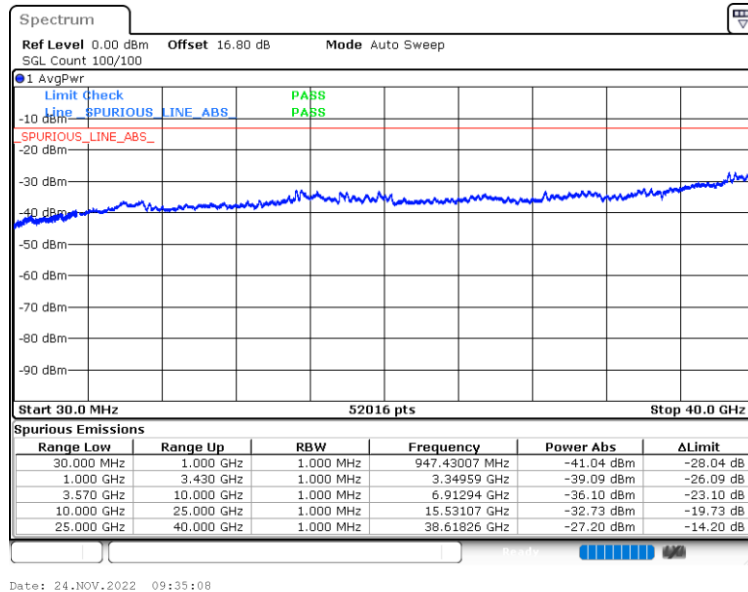
## Lowest Channel / QPSK



## Middle Channel / QPSK



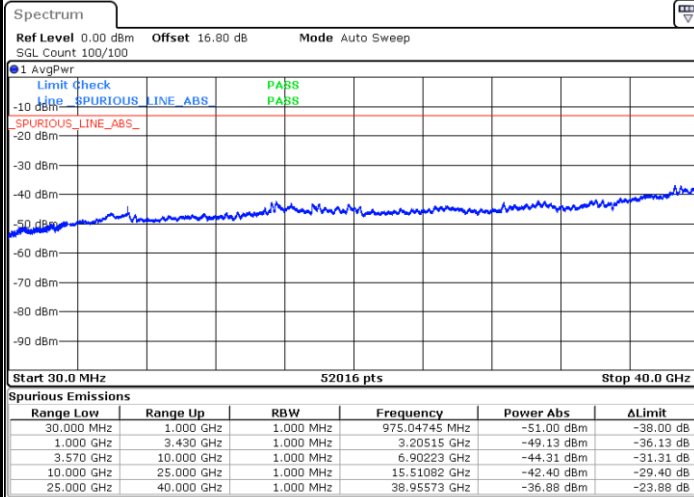
## Highest Channel / QPSK





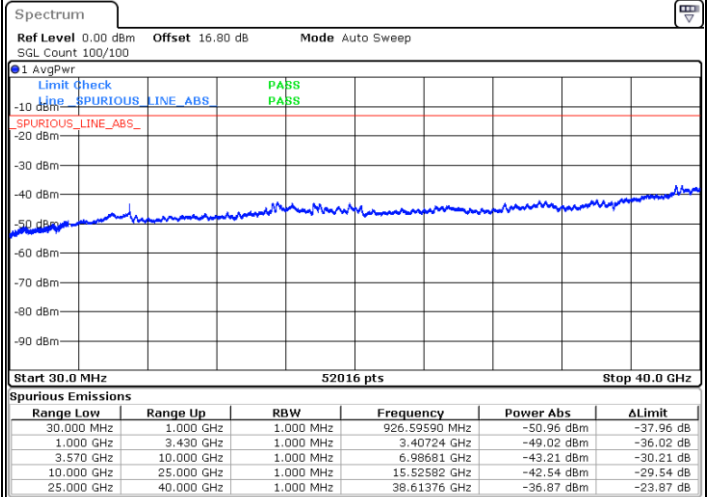
## LTE Band 42 / 15MHz

## Lowest Channel / QPSK



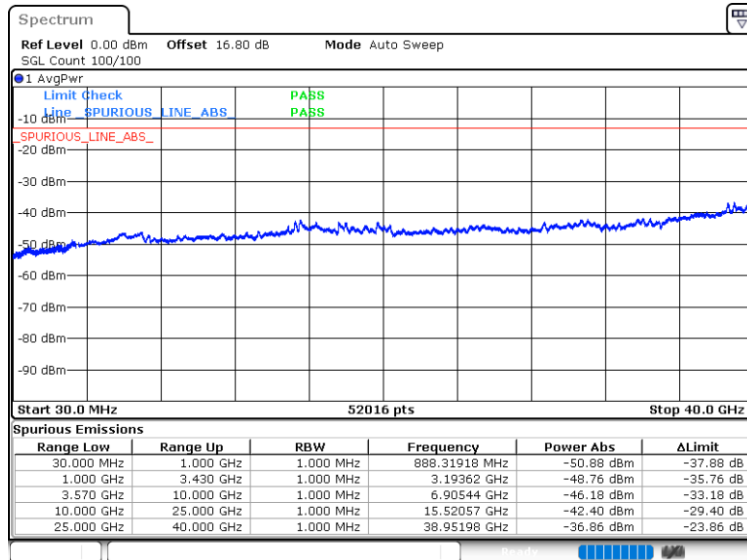
Date: 24.NOV.2022 09:57:06

## Middle Channel / QPSK



Date: 24.NOV.2022 09:58:34

## Highest Channel / QPSK

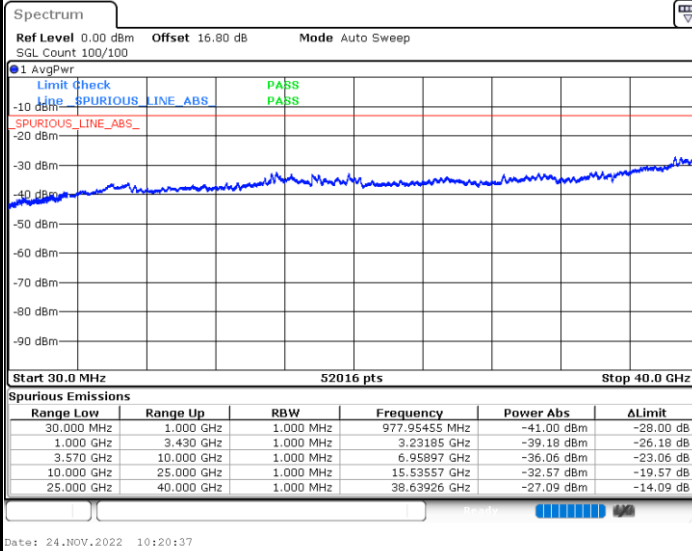


Date: 24.NOV.2022 10:00:04

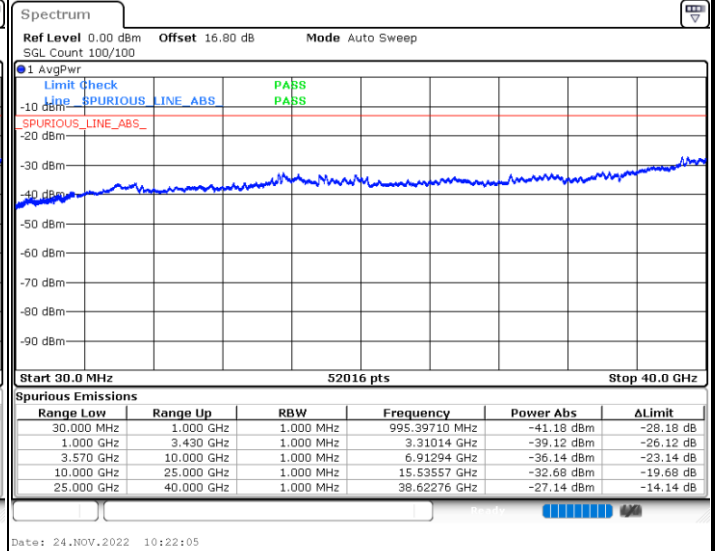


## LTE Band 42 / 20MHz

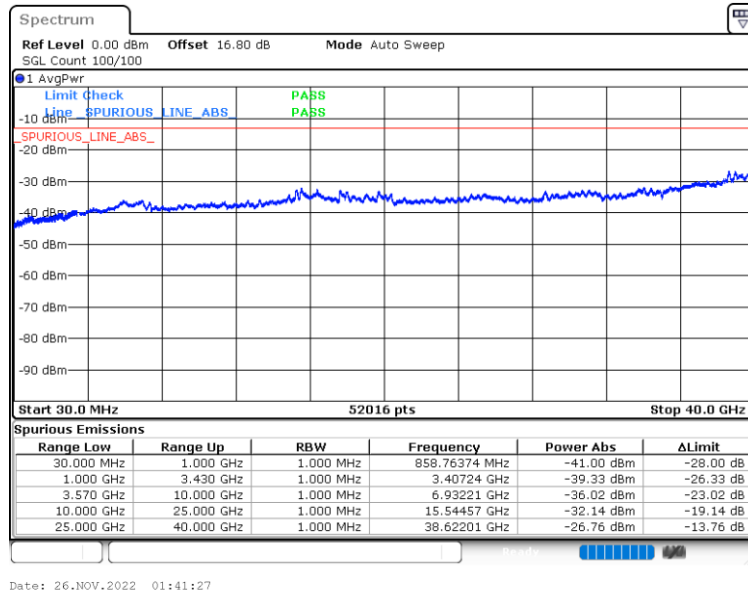
## Lowest Channel / QPSK



## Middle Channel / QPSK



## Highest Channel / QPSK



## Frequency Stability

| Test Conditions     |                   | LTE Band 42 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0021                              | PASS    |
| 40                  | Normal Voltage    | 0.0023                              |         |
| 30                  | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0028                              |         |
| 0                   | Normal Voltage    | 0.0008                              |         |
| -10                 | Normal Voltage    | 0.0004                              |         |
| -20                 | Normal Voltage    | 0.0018                              |         |
| -30                 | Normal Voltage    | 0.0008                              |         |
| 20                  | Maximum Voltage   | 0.0012                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0020                              |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 42C

**26dB Bandwidth**

| Mode      | LTE Band 42C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| QPSK      |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.68                       | 29.73       | 34.83       | 24.98      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 29.97                       | 34.83       | 40.20       |            |

| Mode      | LTE Band 42C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 16QAM     |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.83                       | 29.85       | 34.83       | 24.88      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 30.09                       | 34.83       | 39.72       |            |

| Mode      | LTE Band 42C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 64QAM     |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.78                       | 29.91       | 34.90       | 25.03      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 29.97                       | 34.83       | 39.80       |            |

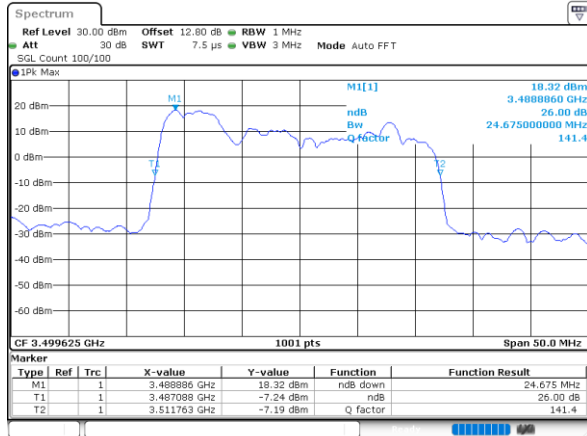
| Mode      | LTE Band 42C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 256QAM    |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.88                       | 29.79       | 34.90       | 24.88      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 30.15                       | 34.76       | 40.12       |            |



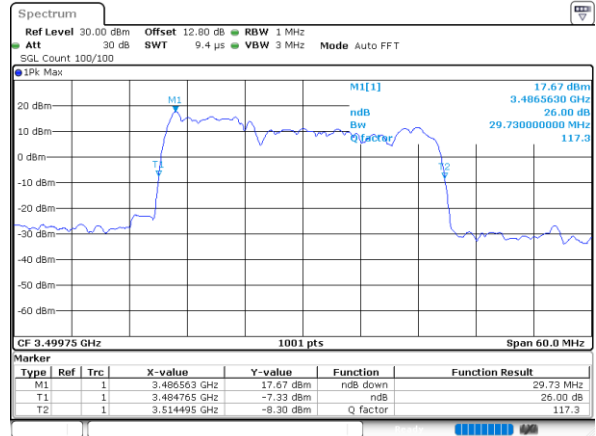
## LTE Band 42C

## QPSK

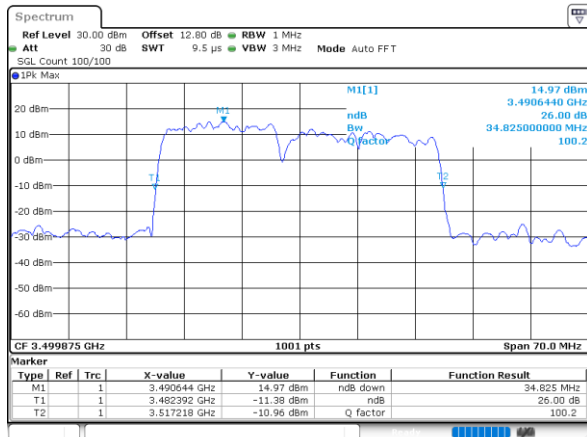
## Middle Channel / 5MHz+20MHz



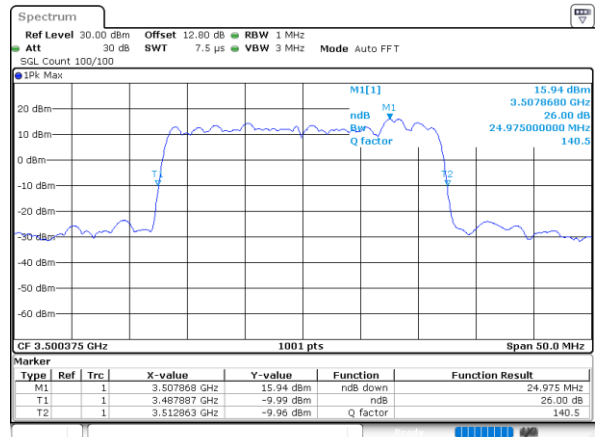
## Middle Channel / 10MHz+20MHz



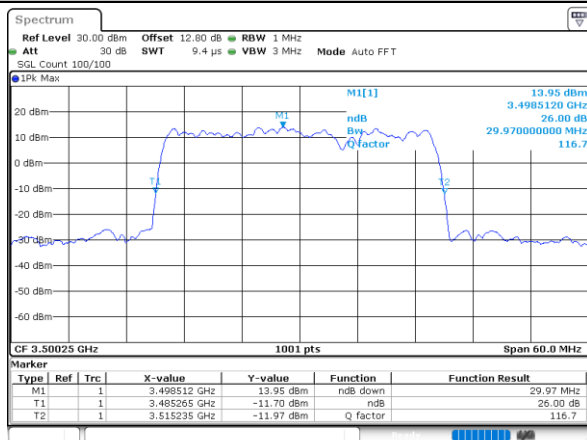
## Middle Channel / 15MHz+20MHz



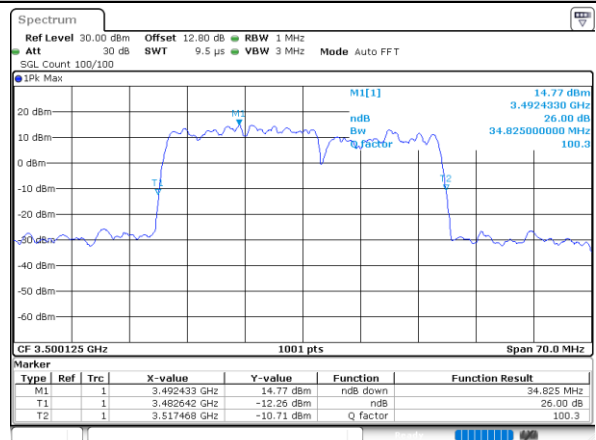
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



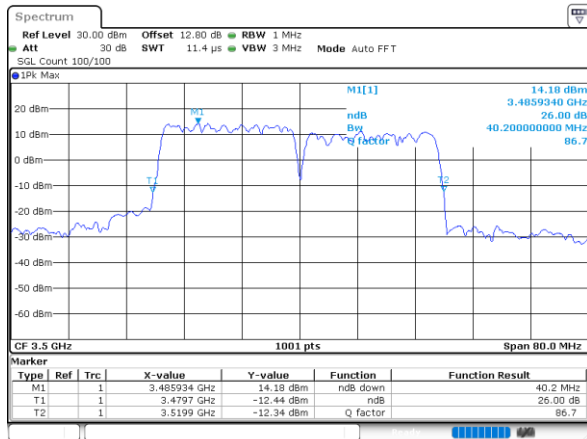


## LTE Band 42C

## QPSK

Middle Channel / 20MHz+20MHz

N/A



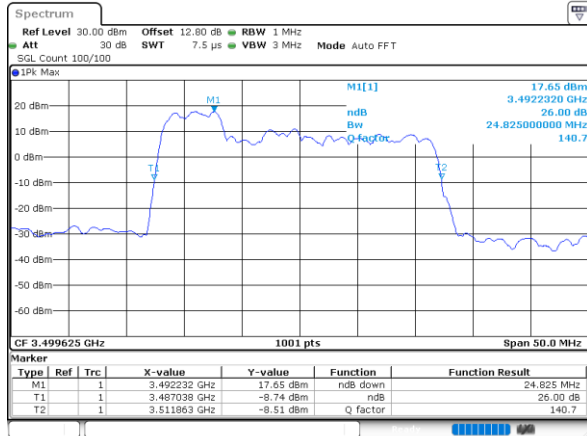




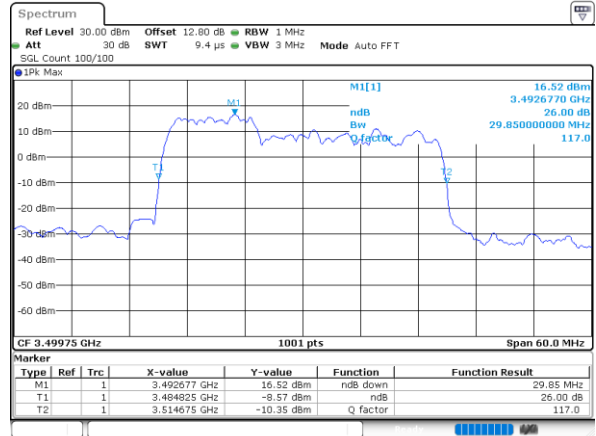
## LTE Band 42C

## 16QAM

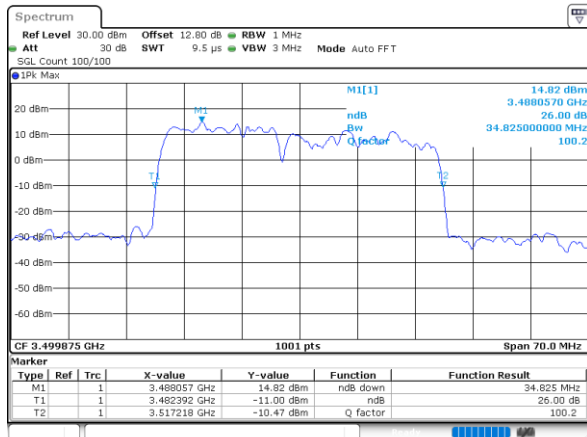
## Middle Channel / 5MHz+20MHz



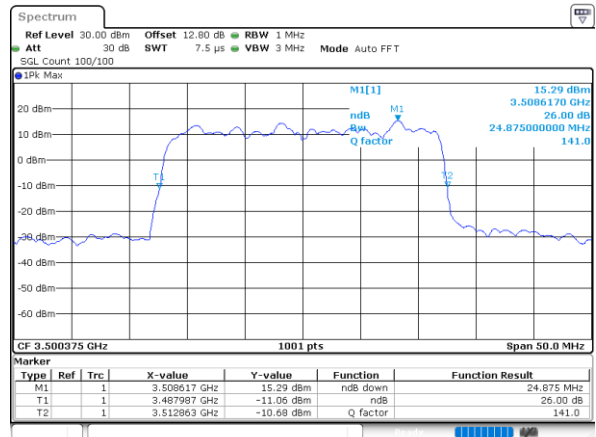
## Middle Channel / 10MHz+20MHz



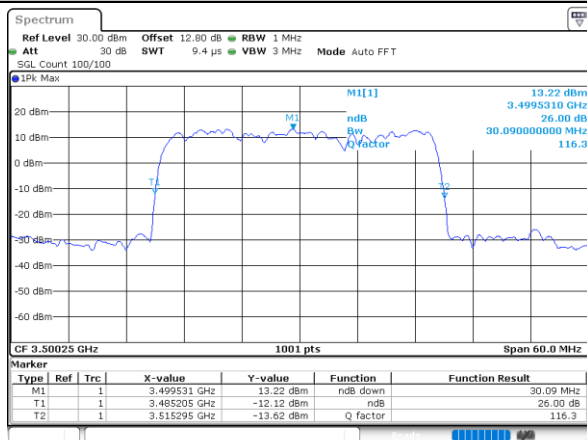
## Middle Channel / 15MHz+20MHz



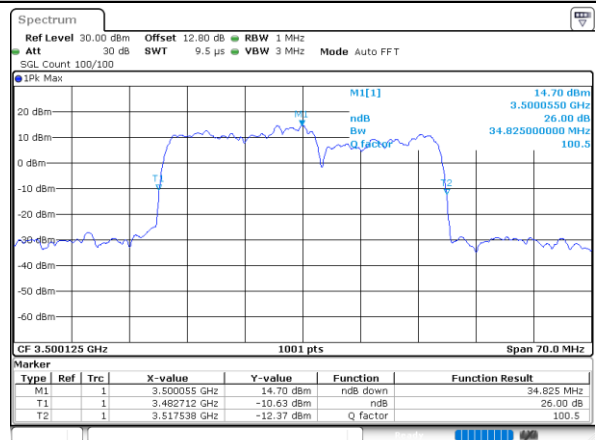
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



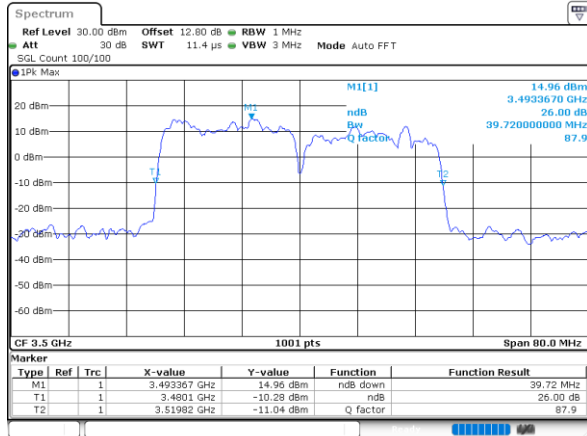


## LTE Band 42C

## 16QAM

## Middle Channel / 20MHz+20MHz

N/A

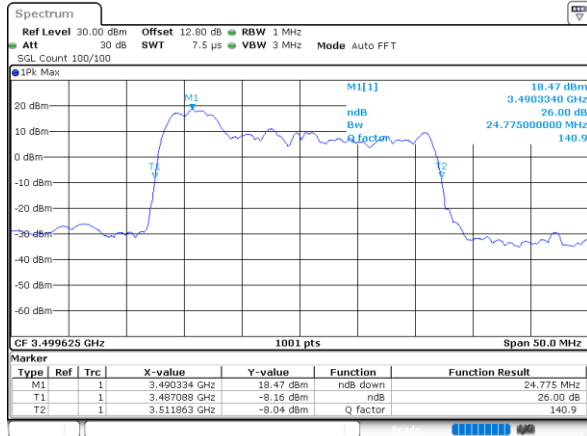




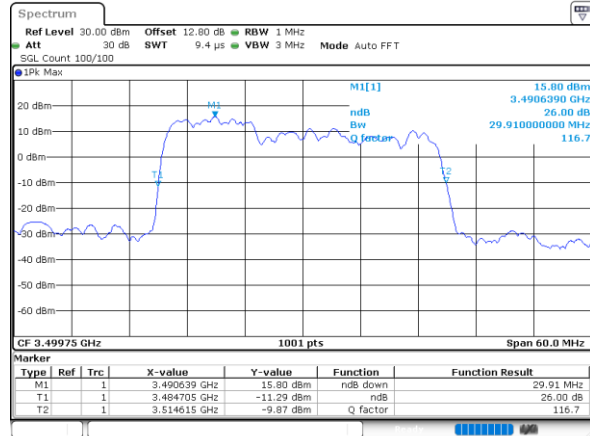
## LTE Band 42C

## 64QAM

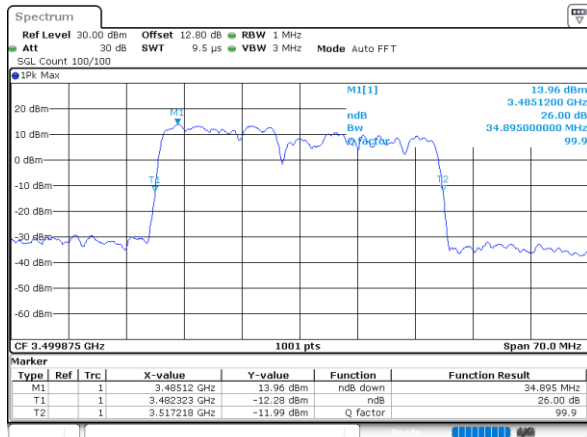
## Middle Channel / 5MHz+20MHz



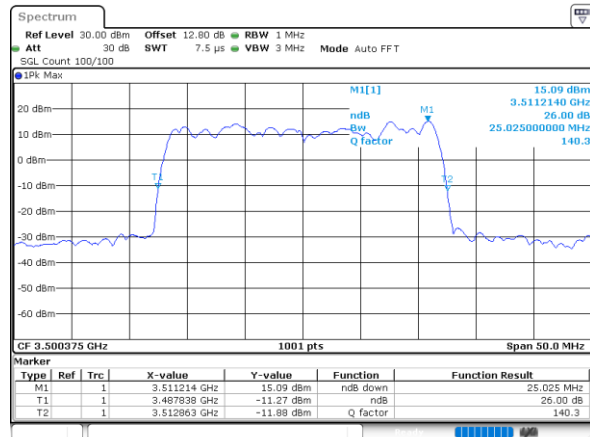
## Middle Channel / 10MHz+20MHz



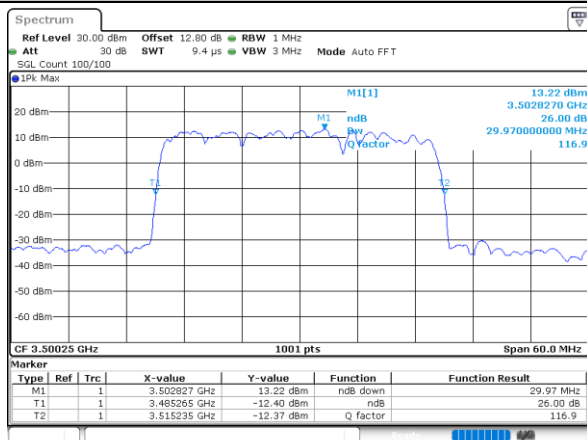
## Middle Channel / 15MHz+20MHz



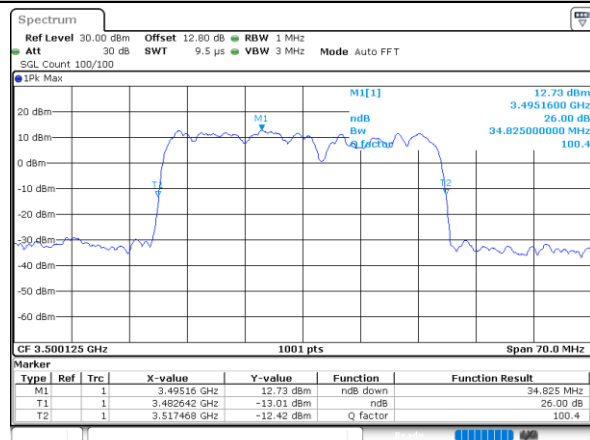
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



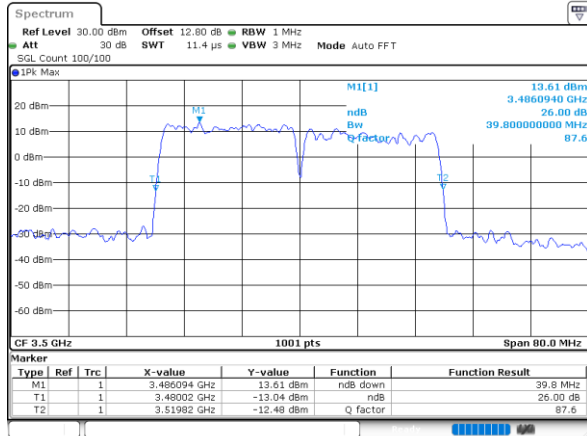


## LTE Band 42C

## 64QAM

## Middle Channel / 20MHz+20MHz

N/A

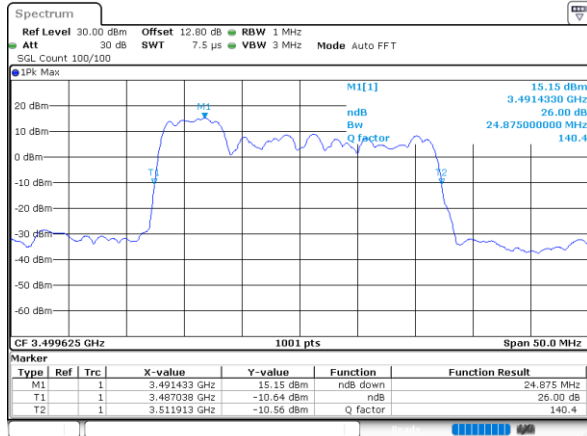




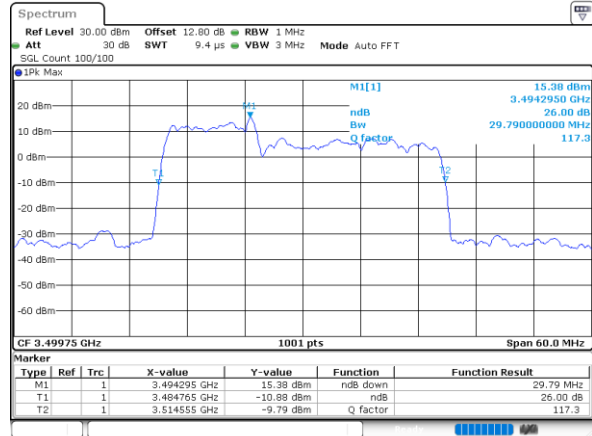
## LTE Band 42C

## 256QAM

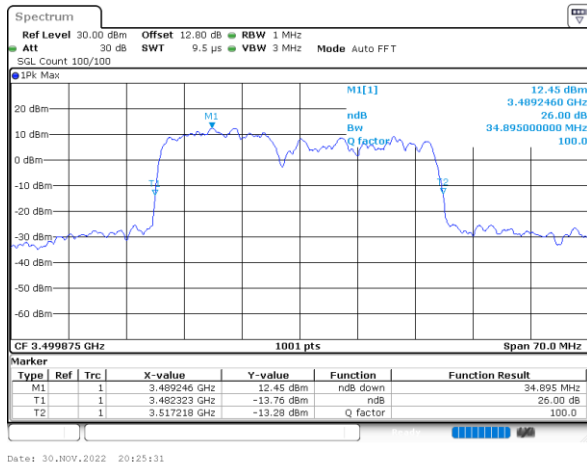
## Middle Channel / 5MHz+20MHz



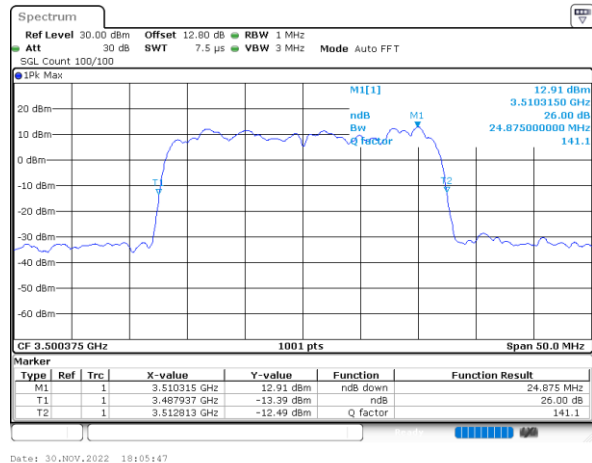
## Middle Channel / 10MHz+20MHz



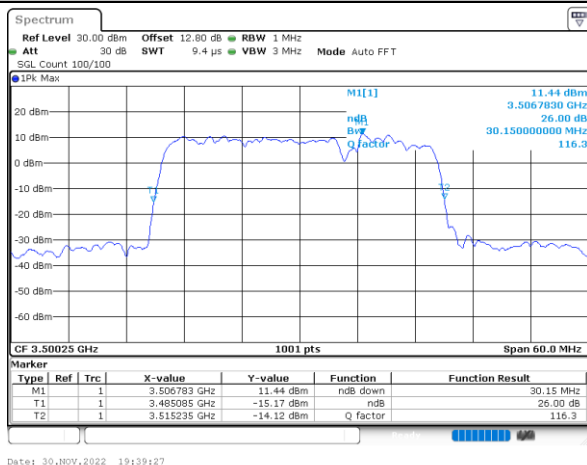
## Middle Channel / 15MHz+20MHz



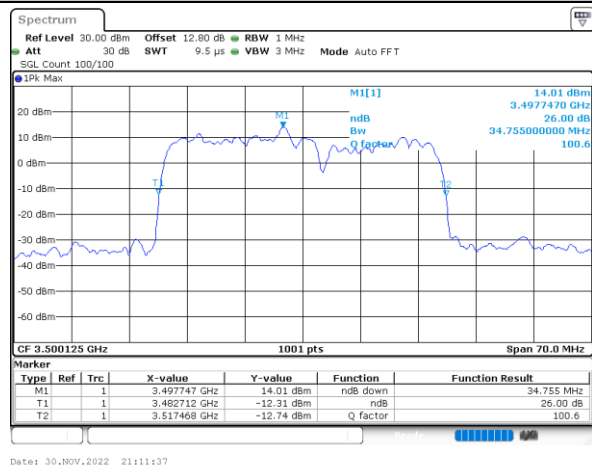
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



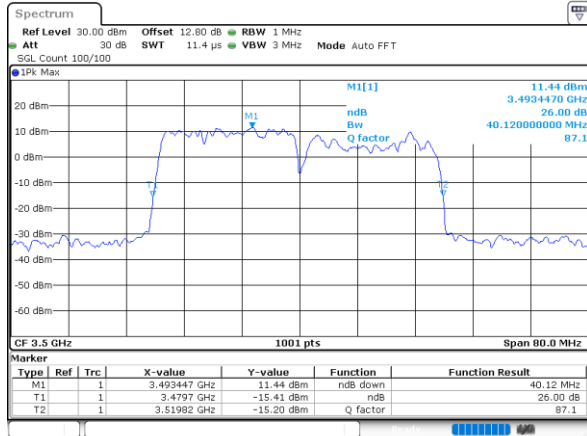


LTE Band 42C

256QAM

Middle Channel / 20MHz+20MHz

N/A



**Occupied Bandwidth**

| Mode      | LTE Band 42C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| QPSK      |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.28                      | 28.11       | 32.31       | 23.18      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 28.05                      | 32.73       | 37.72       |            |

| Mode      | LTE Band 42C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 16QAM     |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.33                      | 27.87       | 32.66       | 23.33      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 28.29                      | 32.73       | 37.80       |            |

| Mode      | LTE Band 42C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 64QAM     |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.03                      | 27.87       | 32.80       | 23.28      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 27.87                      | 32.66       | 37.72       |            |

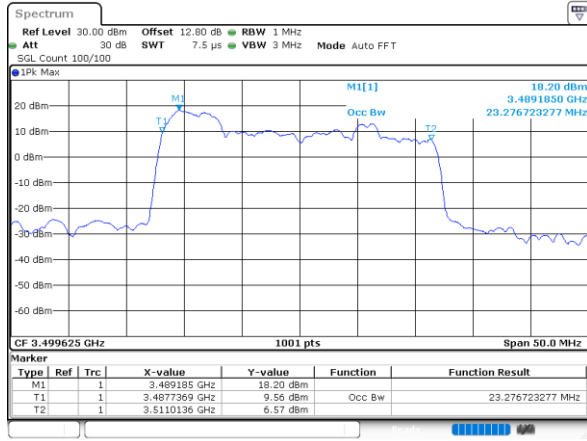
| Mode      | LTE Band 42C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 256QAM    |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.48                      | 28.05       | 32.80       | 23.43      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 28.23                      | 32.80       | 37.56       |            |



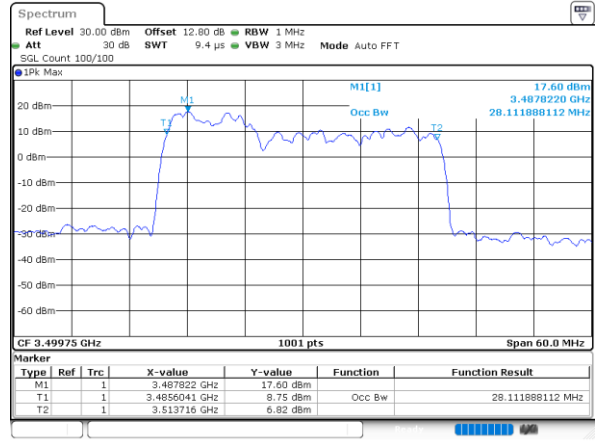
## LTE Band 42C

## QPSK

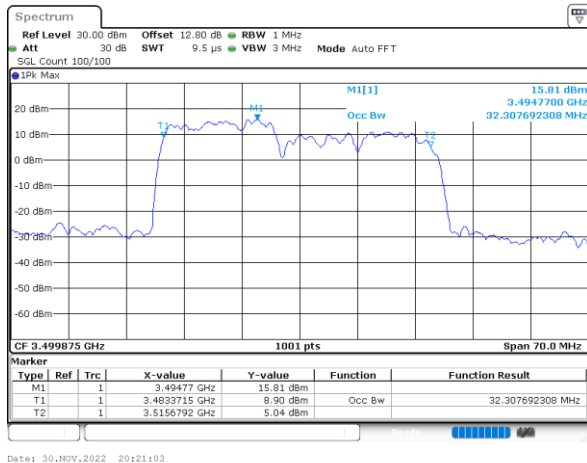
## Middle Channel / 5MHz+20MHz



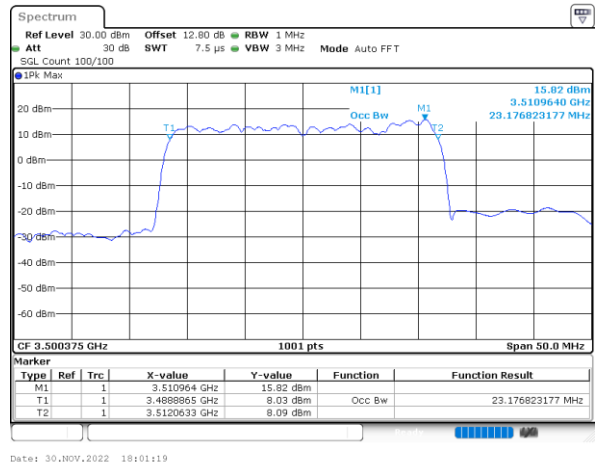
## Middle Channel / 10MHz+20MHz



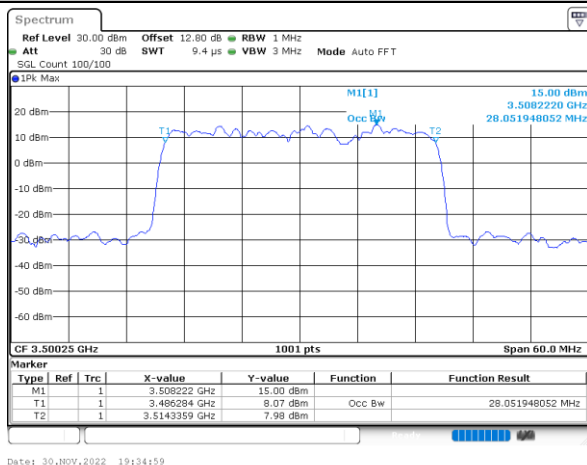
## Middle Channel / 15MHz+20MHz



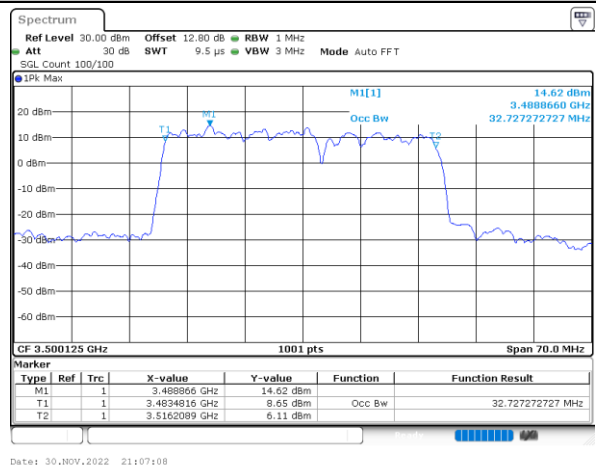
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz





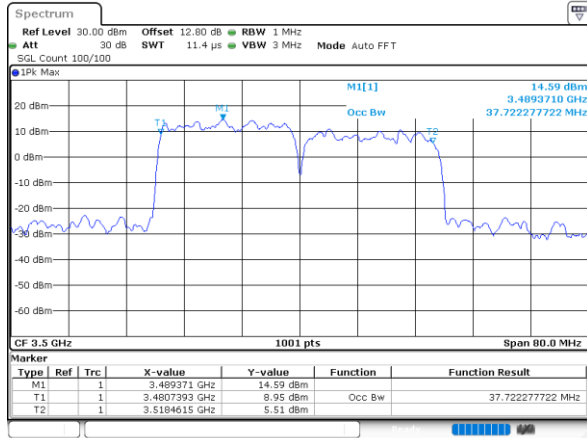


LTE Band 42C

QPSK

Middle Channel / 20MHz+20MHz

N/A

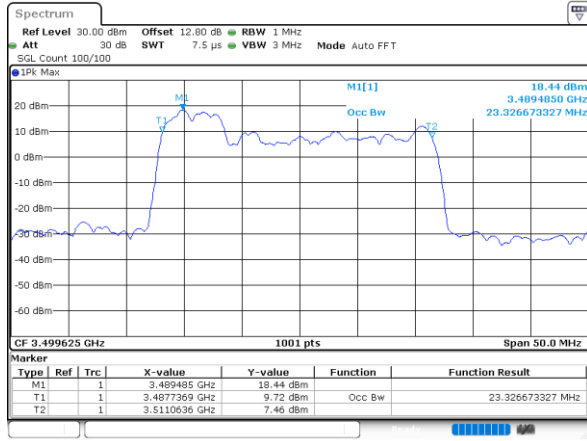




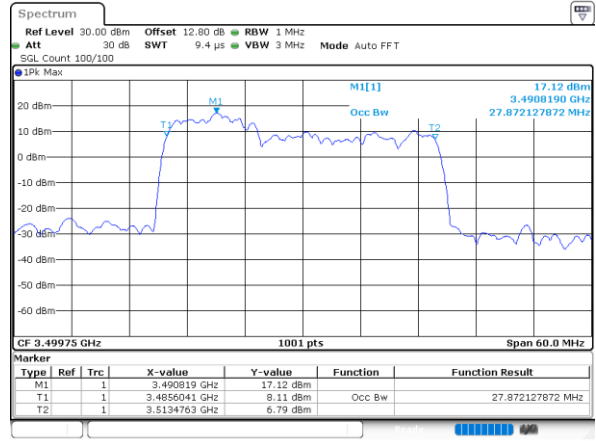
## LTE Band 42C

## 16QAM

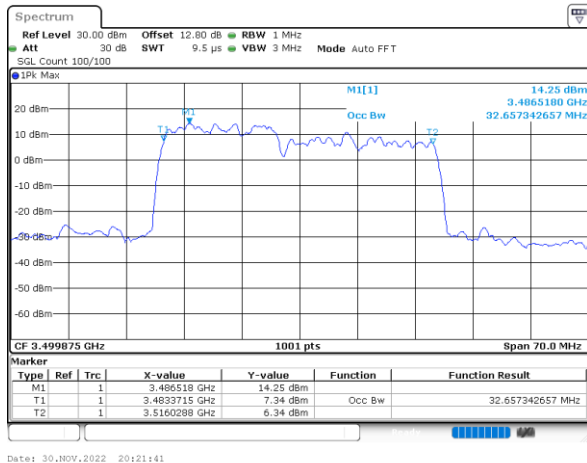
## Middle Channel / 5MHz+20MHz



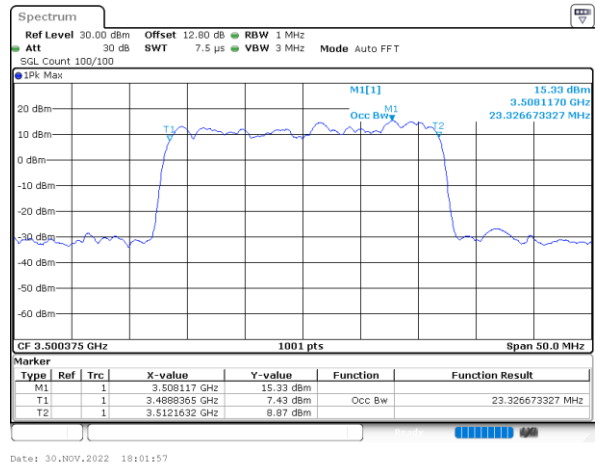
## Middle Channel / 10MHz+20MHz



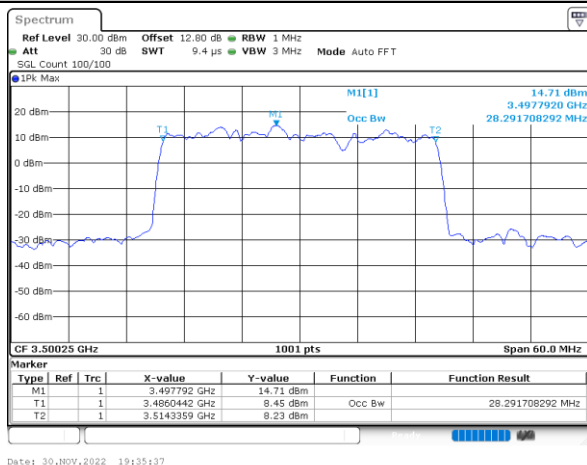
## Middle Channel / 15MHz+20MHz



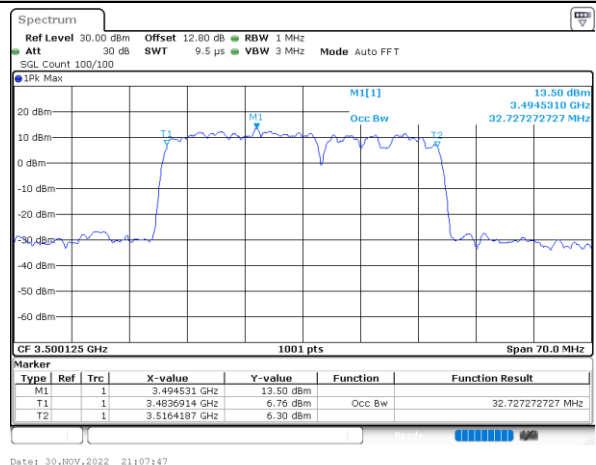
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



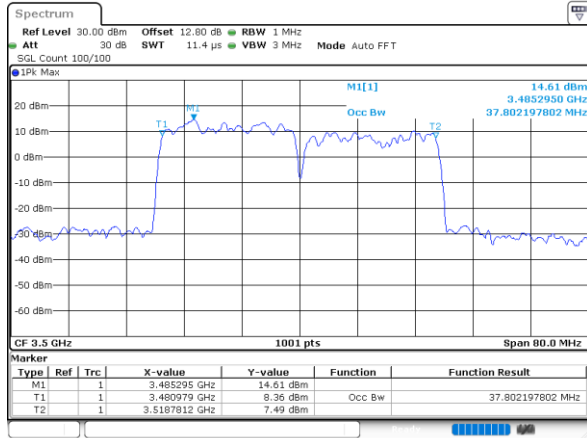


LTE Band 42C

16QAM

Middle Channel / 20MHz+20MHz

N/A

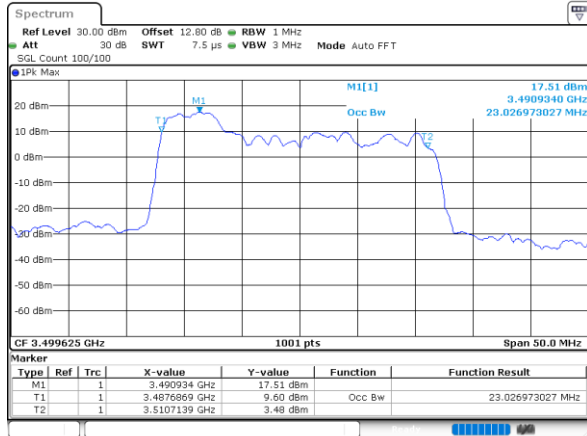




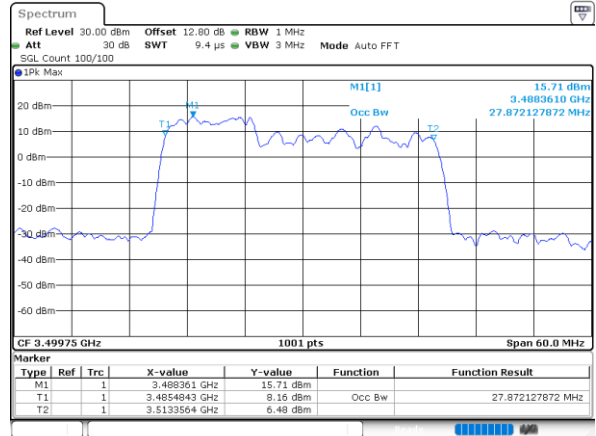
## LTE Band 42C

## 64QAM

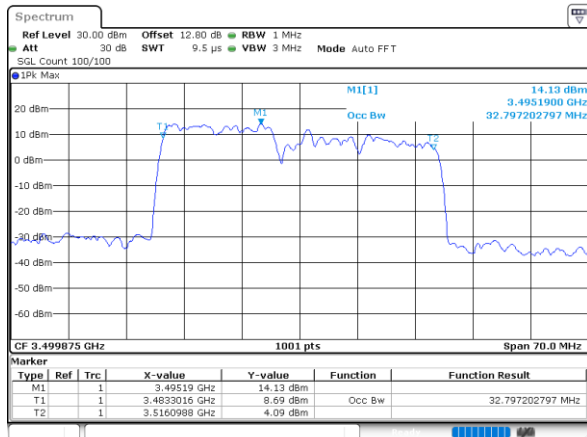
## Middle Channel / 5MHz+20MHz



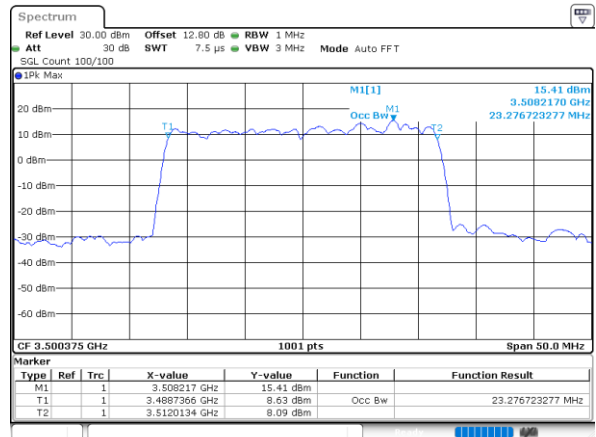
## Middle Channel / 10MHz+20MHz



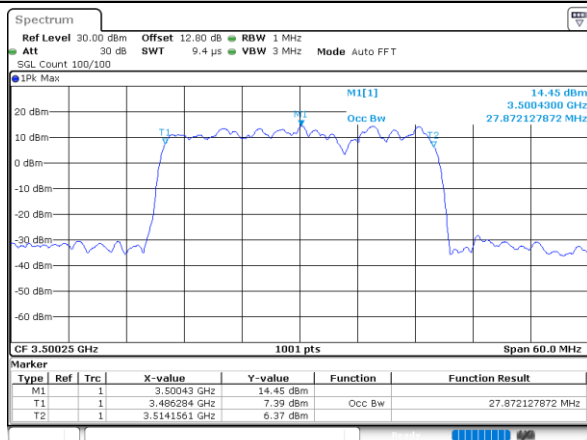
## Middle Channel / 15MHz+20MHz



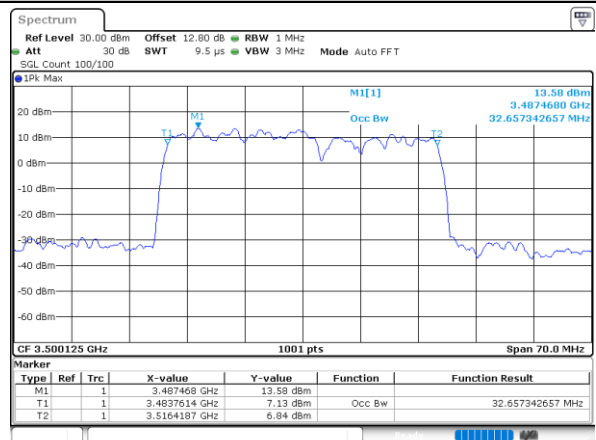
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



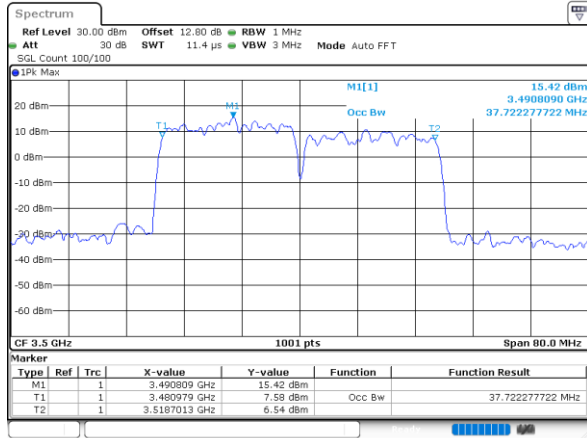


LTE Band 42C

64QAM

Middle Channel / 20MHz+20MHz

N/A

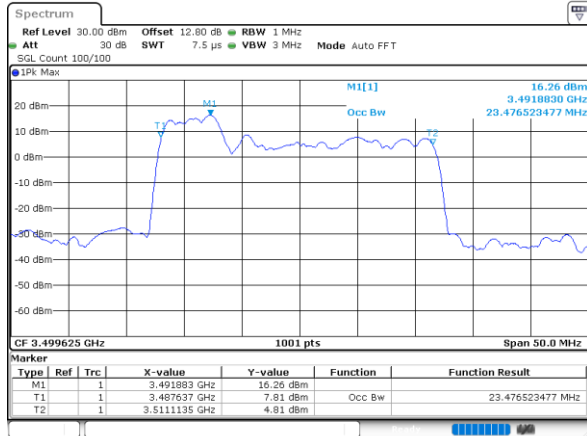




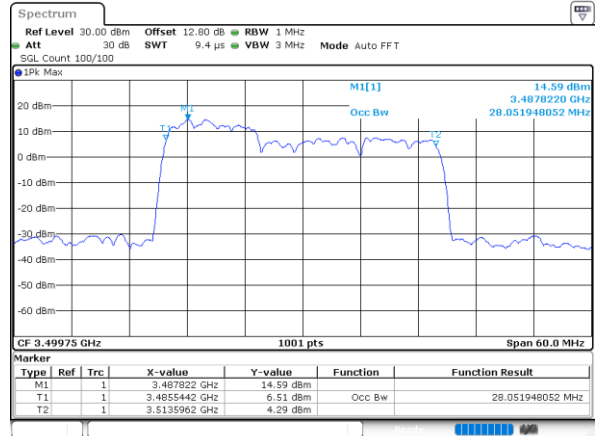
## LTE Band 42C

## 256QAM

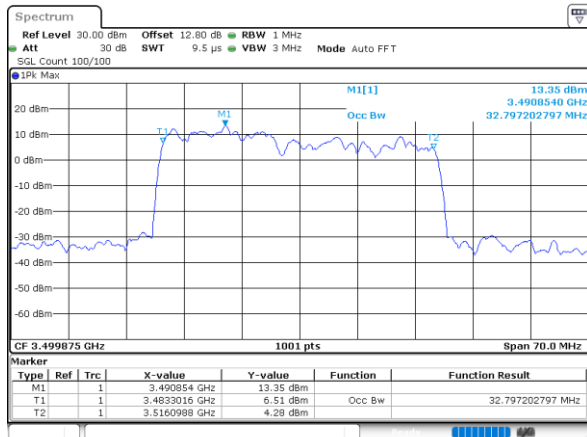
## Middle Channel / 5MHz+20MHz



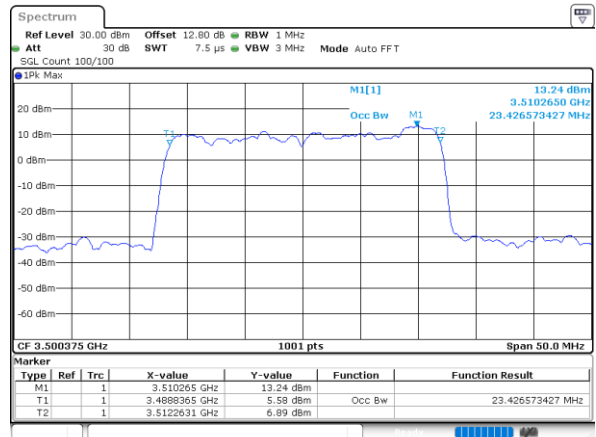
## Middle Channel / 10MHz+20MHz



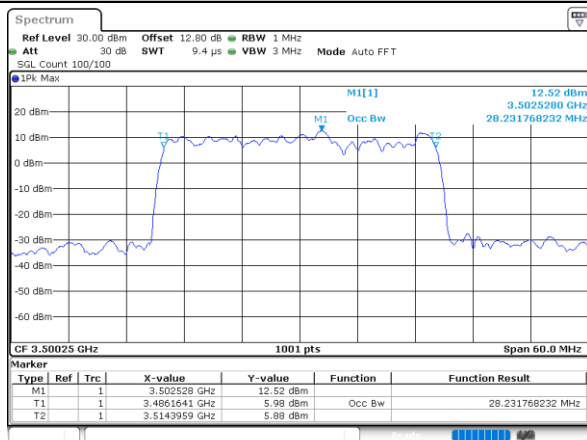
## Middle Channel / 15MHz+20MHz



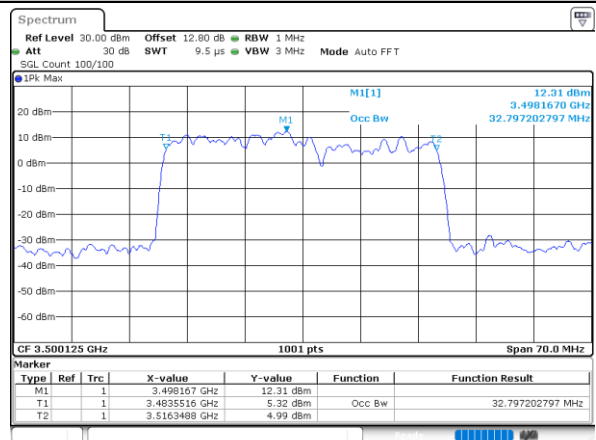
## Middle Channel / 20MHz+5MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



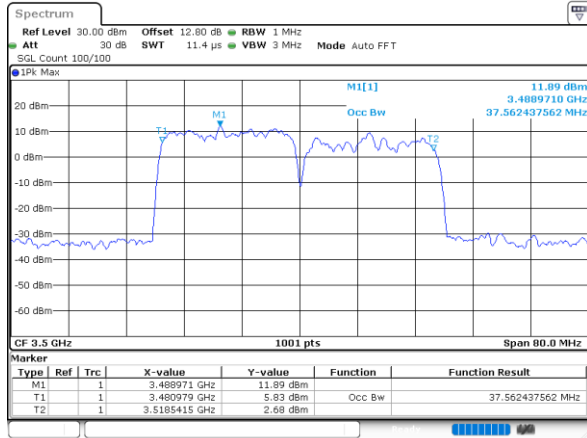


LTE Band 42C

256QAM

Middle Channel / 20MHz+20MHz

N/A



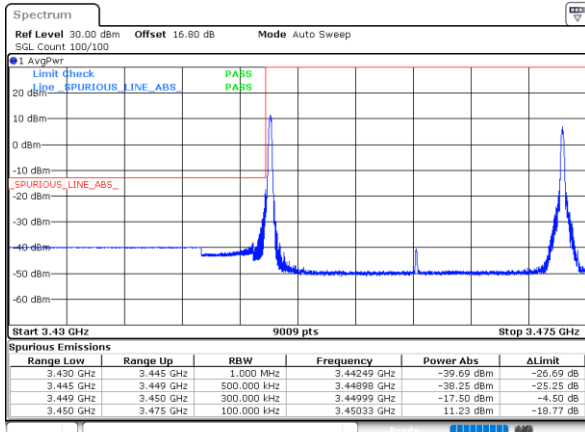


# Conducted Band Edge

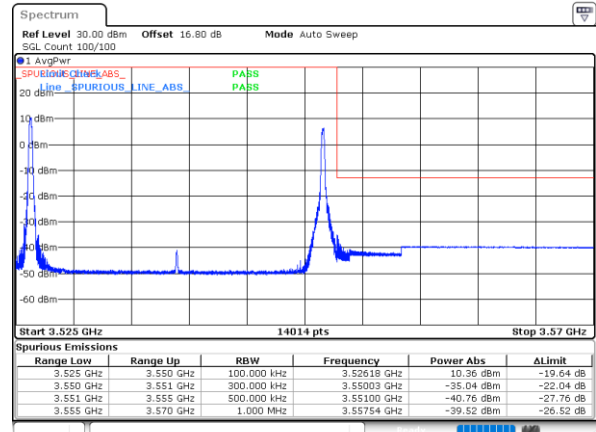
## LTE Band 42C / 5MHz+20MHz

### QPSK

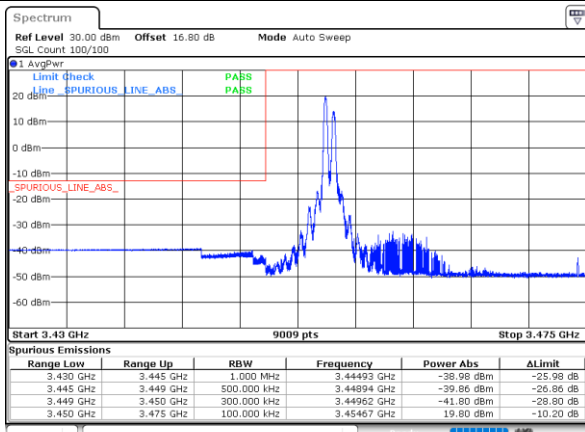
#### Lowest Band Edge / 1RB0 and 1RB99



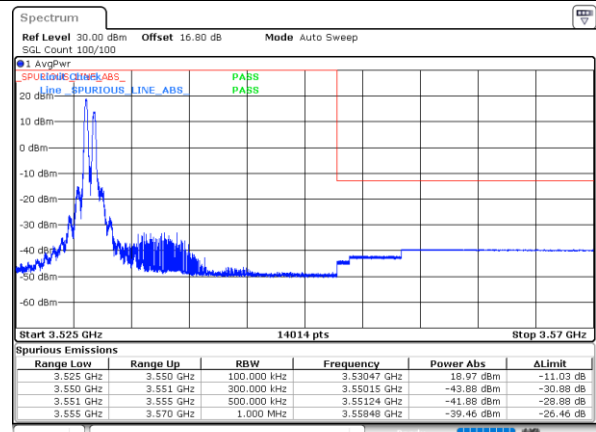
#### Highest Band Edge / 1RB0 and 1RB99



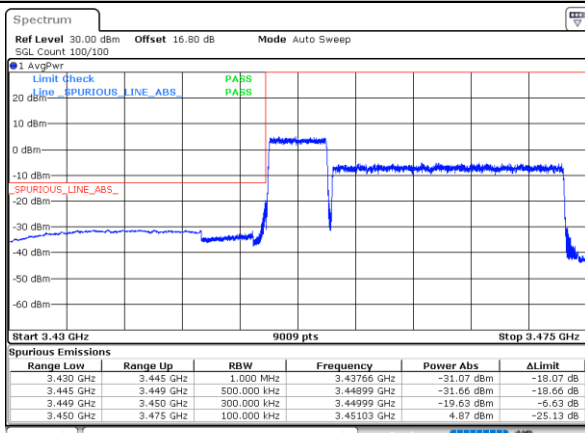
#### Lowest Band Edge / 1RB49 and 1RB0



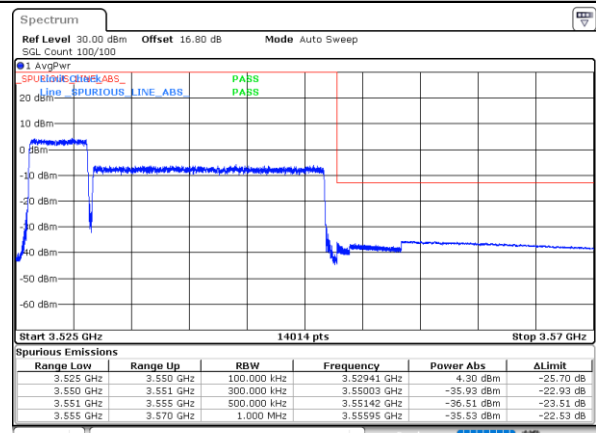
#### Highest Band Edge / 1RB49 and 1RB0



#### Lowest Band Edge / Full RB



#### Highest Band Edge / Full RB



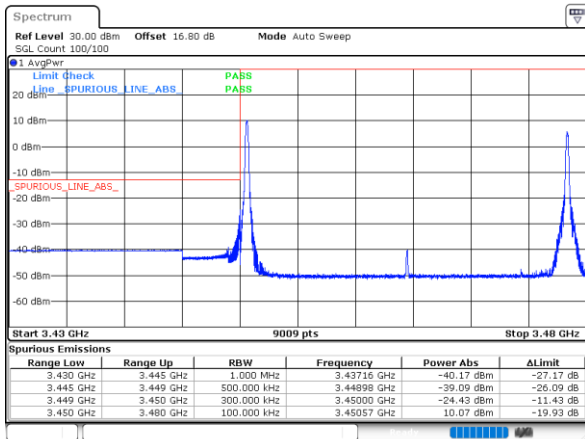




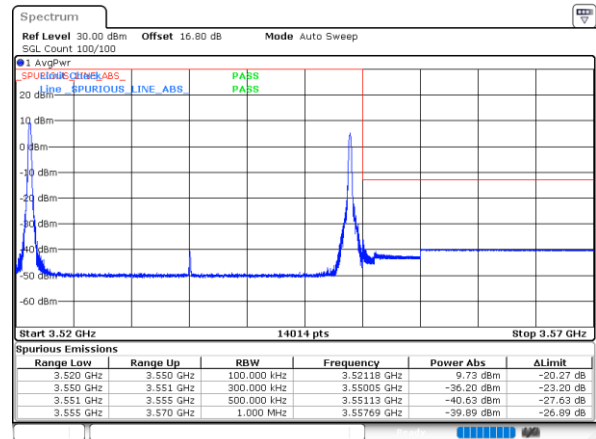
## LTE Band 42C / 10MHz+20MHz

## QPSK

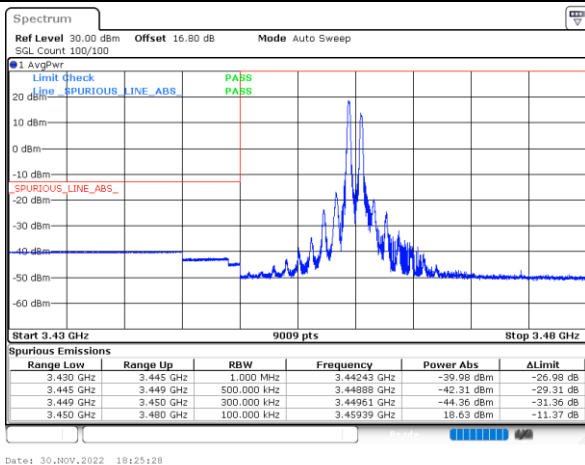
## Lowest Band Edge / 1RB0 and 1RB49



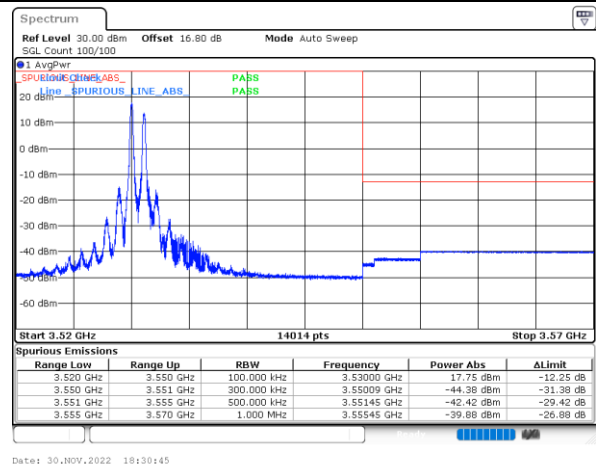
## Highest Band Edge / 1RB0 and 1RB49



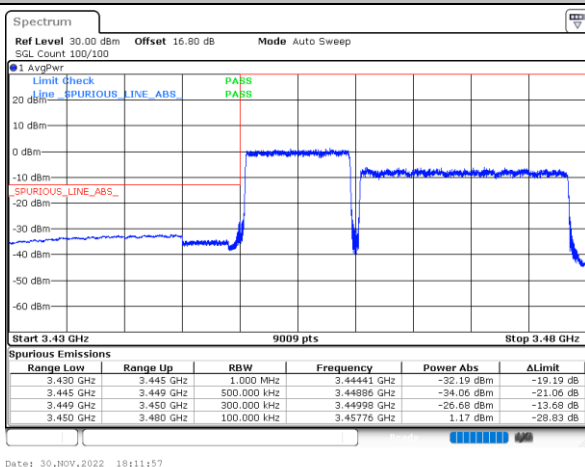
## Lowest Band Edge / 1RB74 and 1RB0



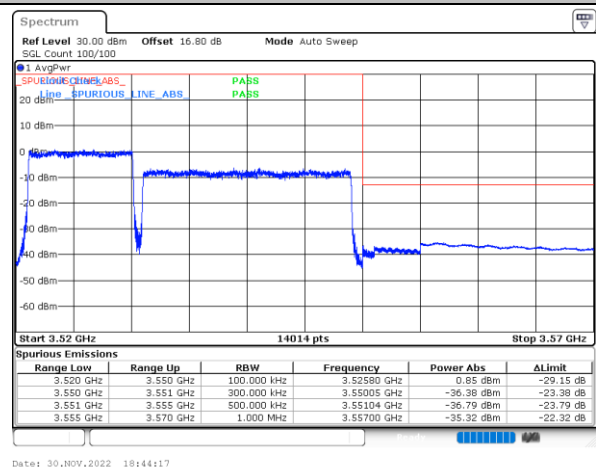
## Highest Band Edge / 1RB74 and 1RB0

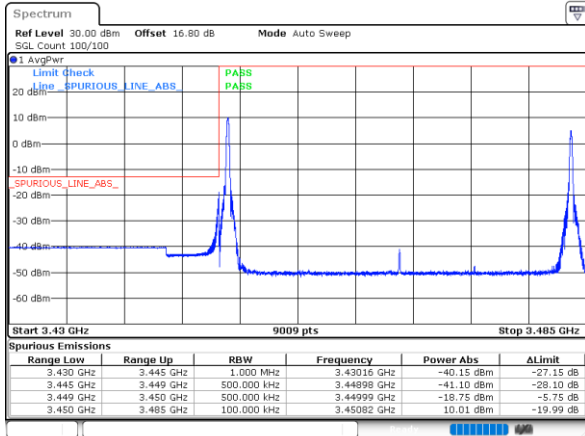


## Lowest Band Edge / Full RB

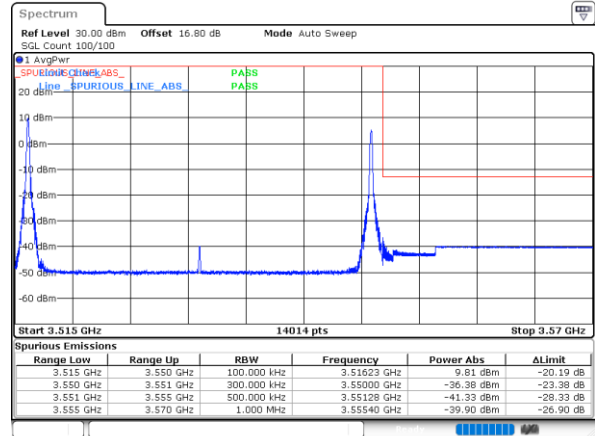


## Highest Band Edge / Full RB

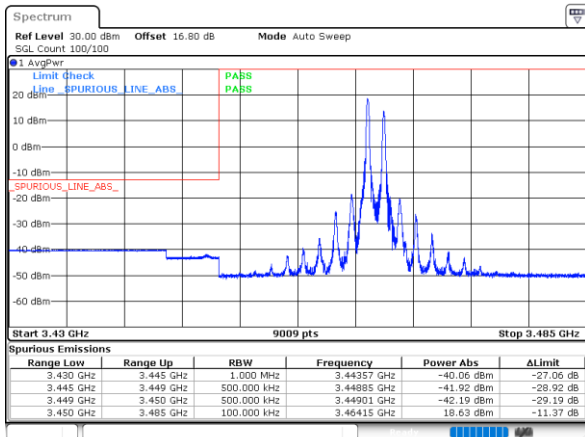


**LTE Band 42C / 15MHz+20MHz**
**QPSK**
**Lowest Band Edge / 1RB0 and 1RB74**


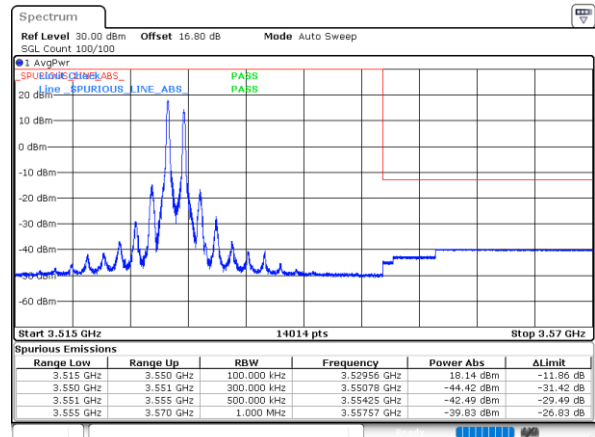
Date: 30.NOV.2022 19:49:16

**Highest Band Edge / 1RB0 and 1RB74**


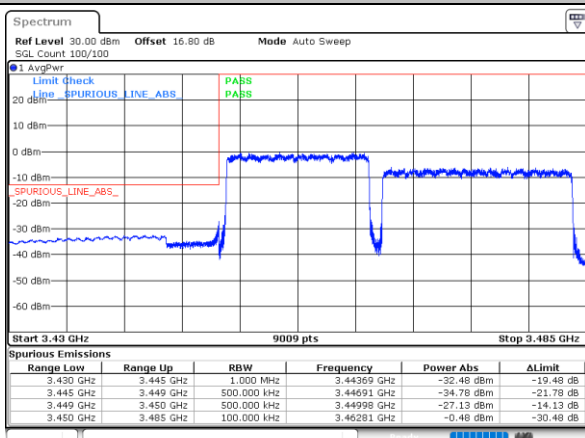
Date: 30.NOV.2022 20:11:16

**Lowest Band Edge / 1RB74 and 1RB0**


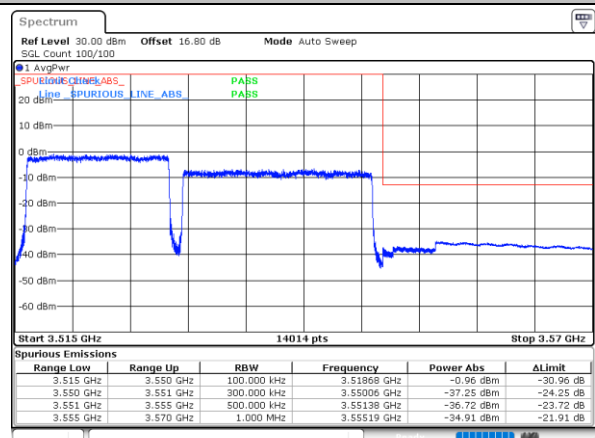
Date: 30.NOV.2022 19:57:38

**Highest Band Edge / 1RB74 and 1RB0**


Date: 30.NOV.2022 20:02:54

**Lowest Band Edge / Full RB**


Date: 30.NOV.2022 19:44:07

**Highest Band Edge / Full RB**


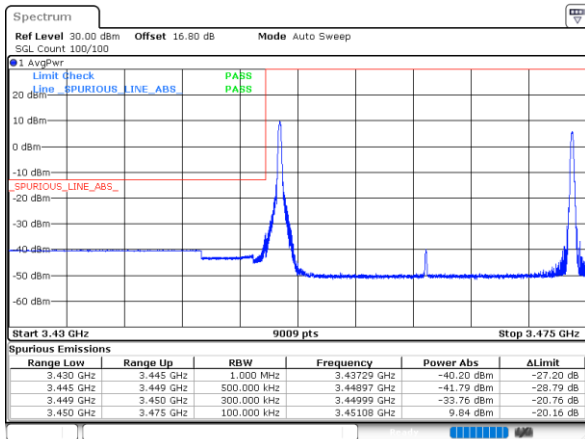
Date: 30.NOV.2022 20:16:25



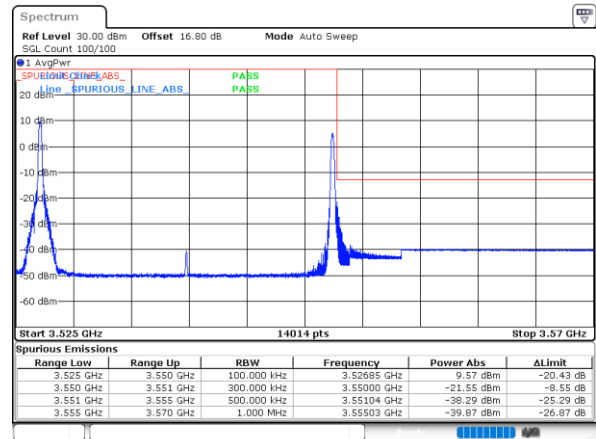
## LTE Band 42C / 20MHz+5MHz

## QPSK

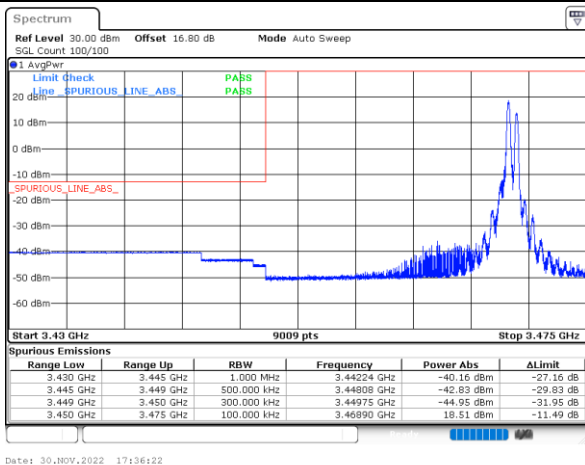
## Lowest Band Edge / 1RB0 and 1RB99



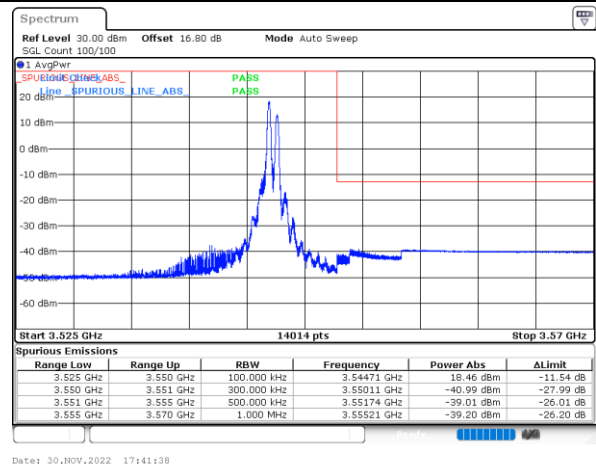
## Highest Band Edge / 1RB0 and 1RB99



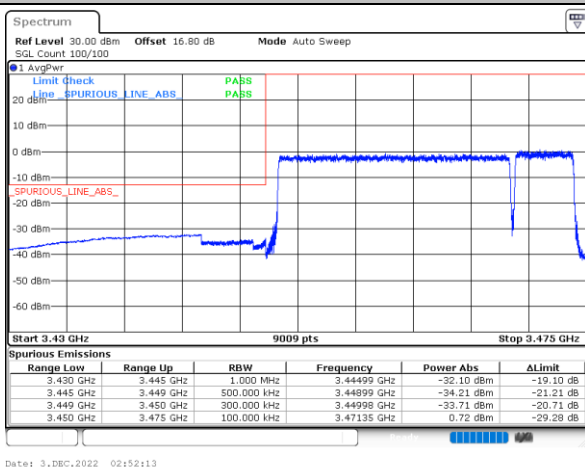
## Lowest Band Edge / 1RB74 and 1RB0



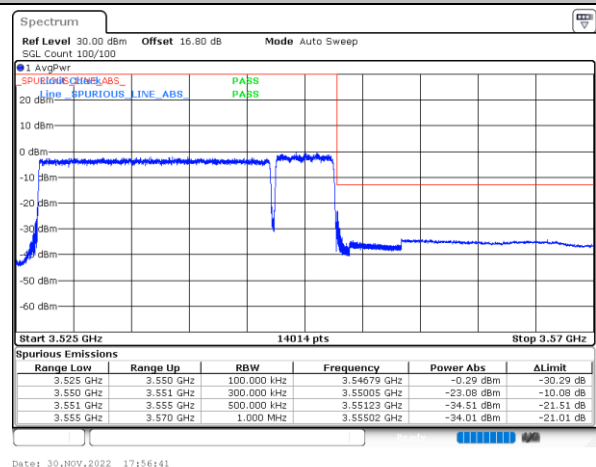
## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

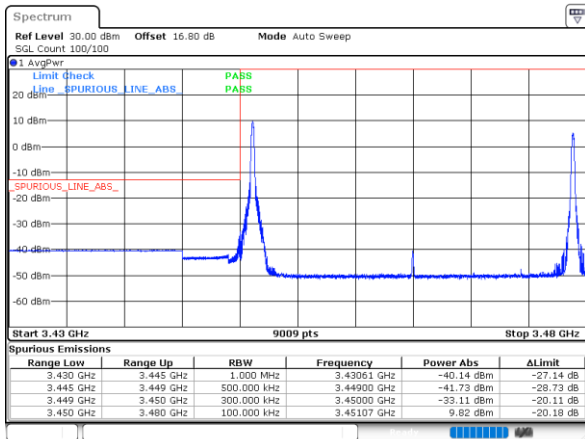




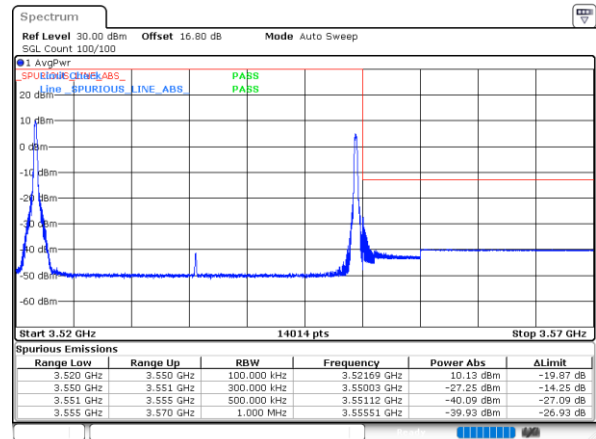
## LTE Band 42C / 20MHz+10MHz

## QPSK

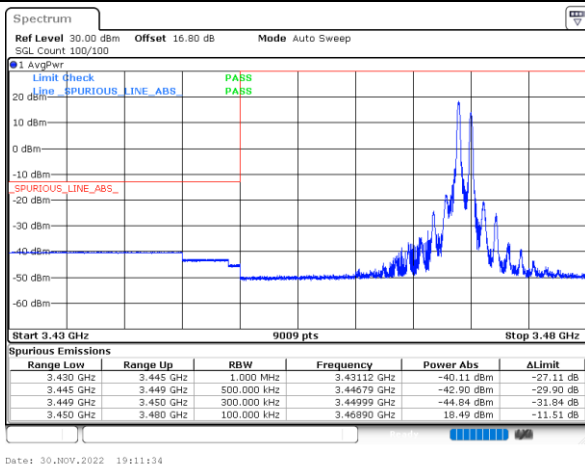
## Lowest Band Edge / 1RB0 and 1RB49



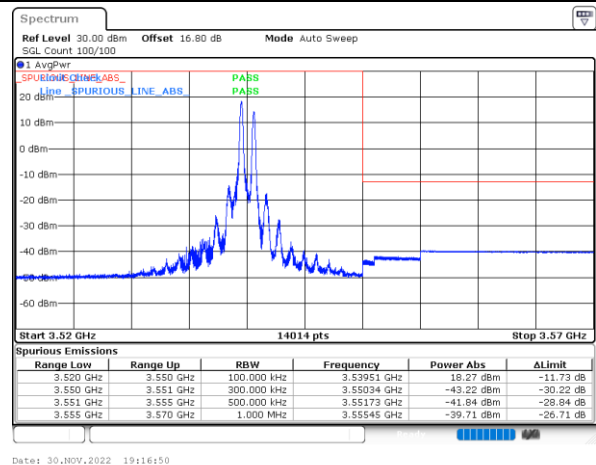
## Highest Band Edge / 1RB0 and 1RB49



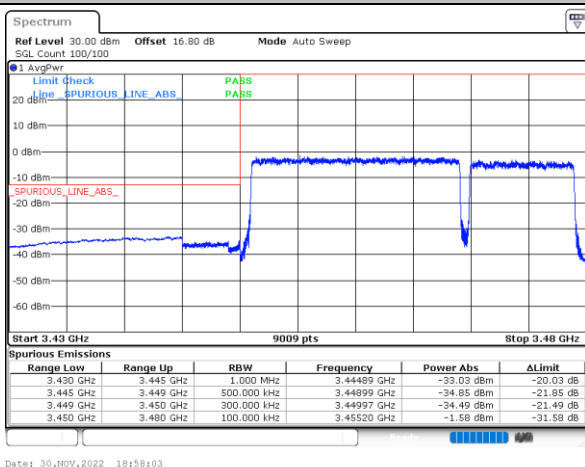
## Lowest Band Edge / 1RB99 and 1RB0



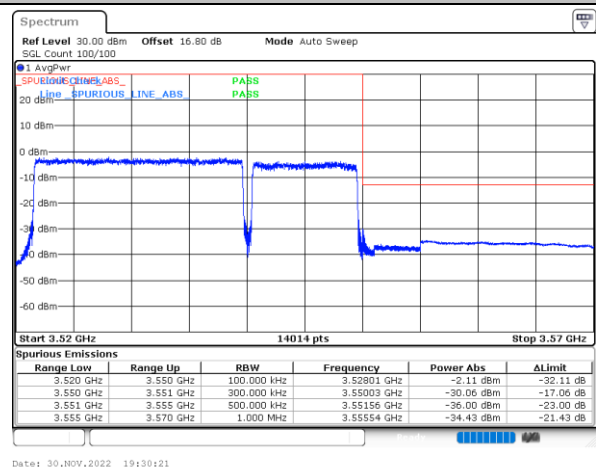
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

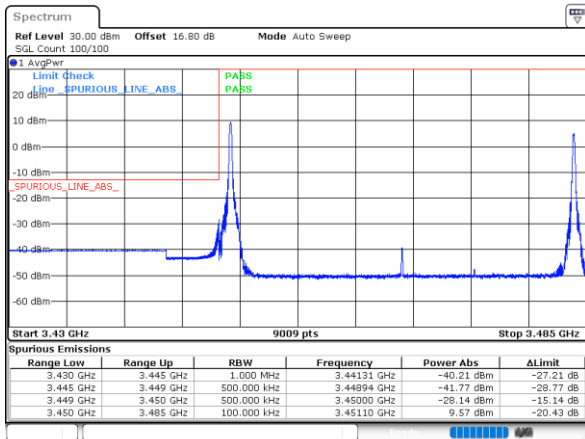




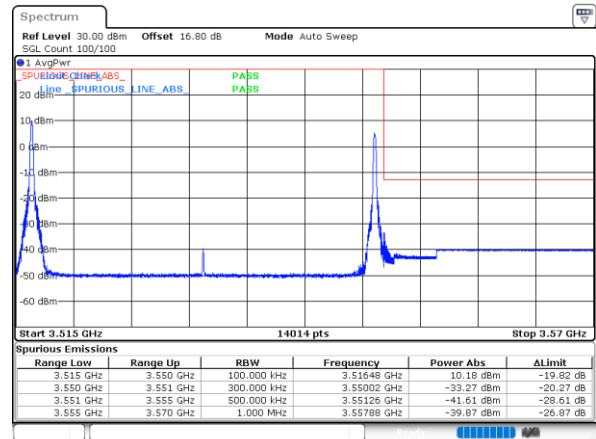
## LTE Band 42C / 20MHz+15MHz

## QPSK

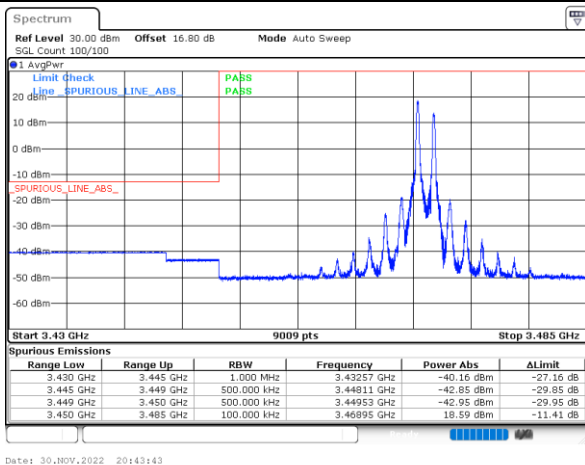
## Lowest Band Edge / 1RB0 and 1RB74



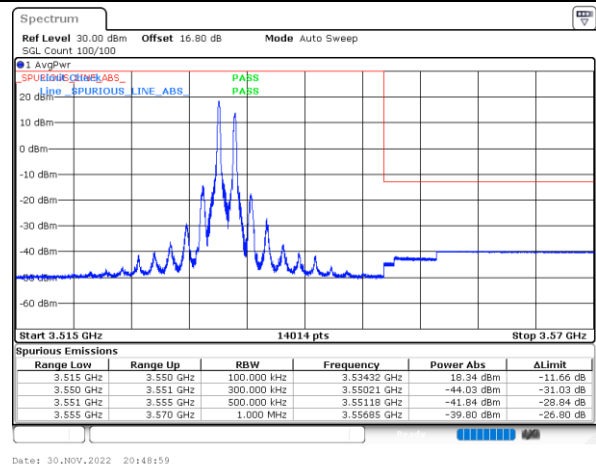
## Highest Band Edge / 1RB0 and 1RB74



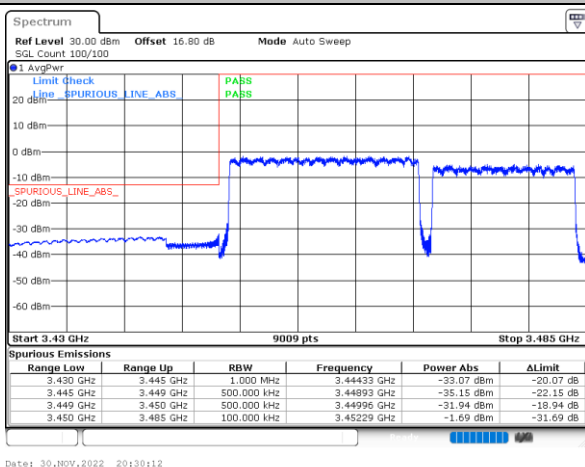
## Lowest Band Edge / 1RB99 and 1RB0



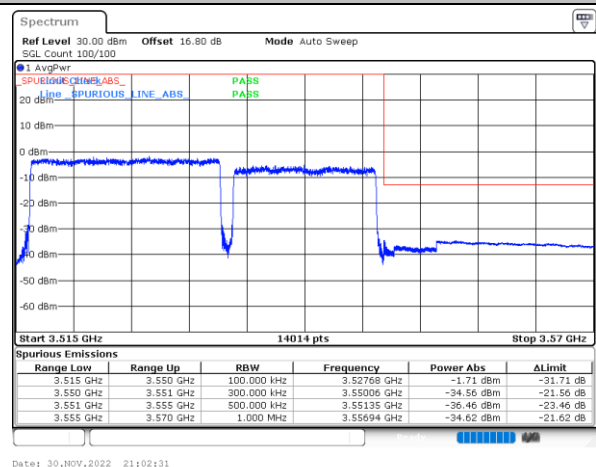
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

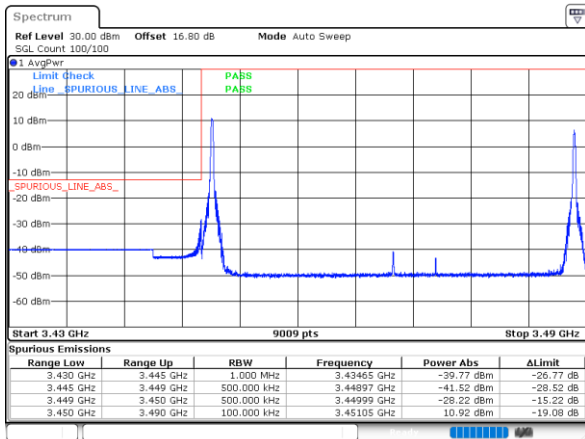




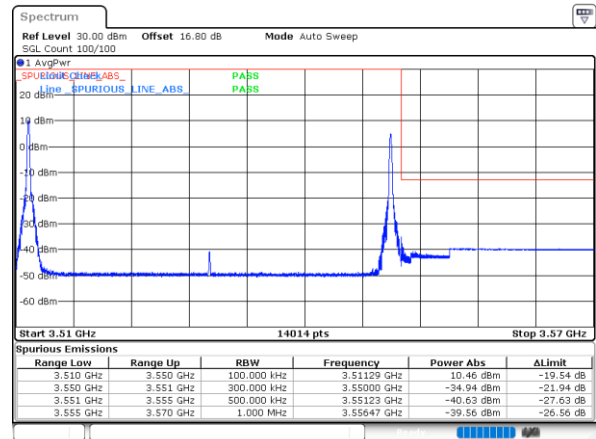
## LTE Band 42C / 20MHz+20MHz

## QPSK

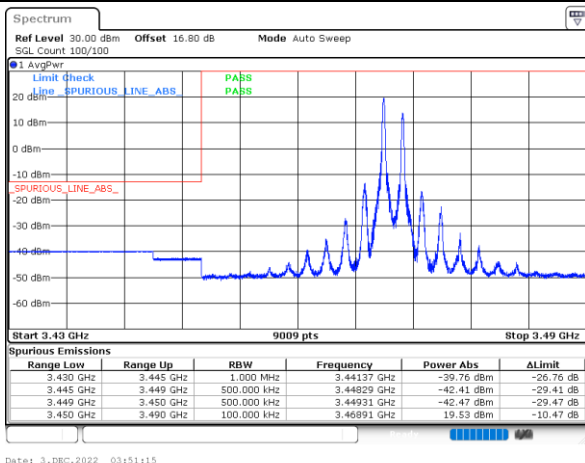
## Lowest Band Edge / 1RB0 and 1RB99



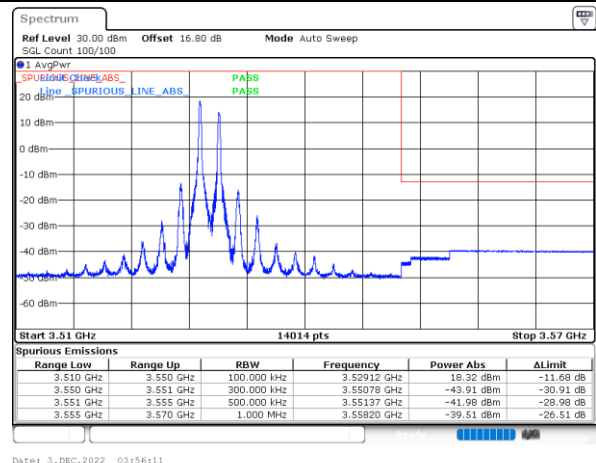
## Highest Band Edge / 1RB0 and 1RB99



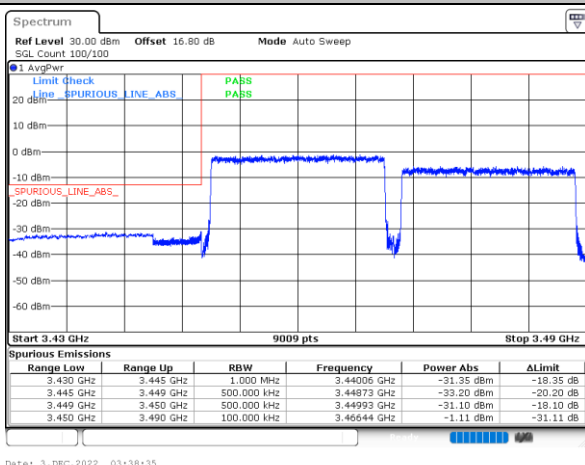
## Lowest Band Edge / 1RB99 and 1RB0



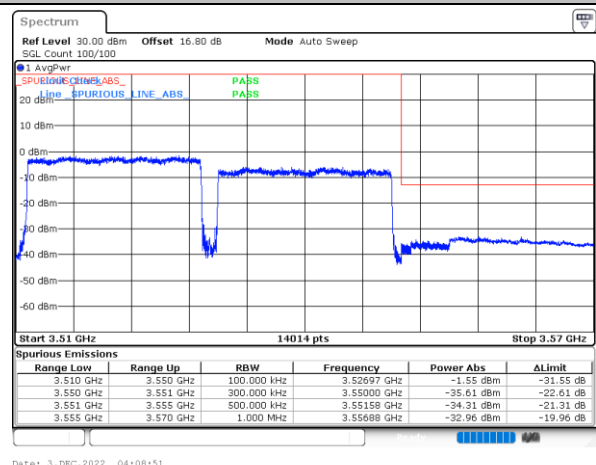
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

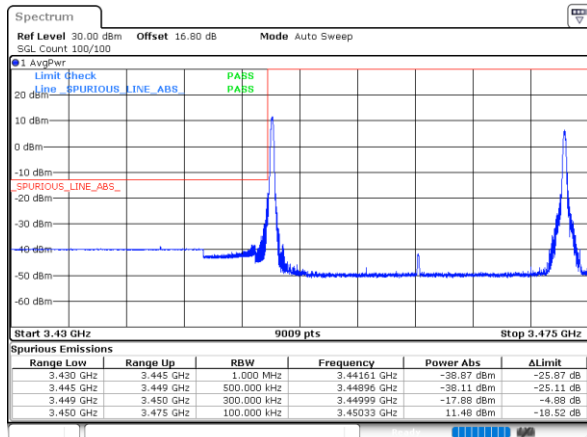




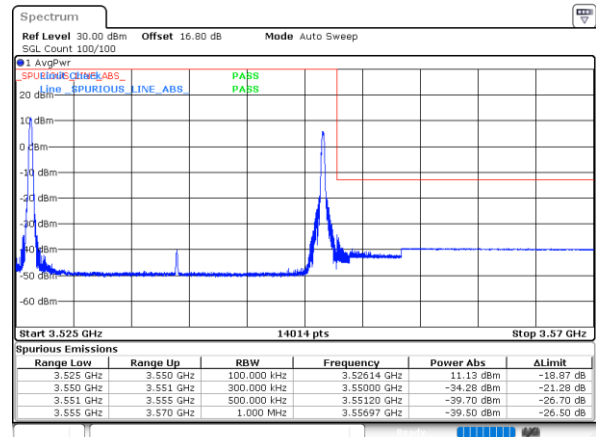
## LTE Band 42C / 5MHz+20MHz

## 16QAM

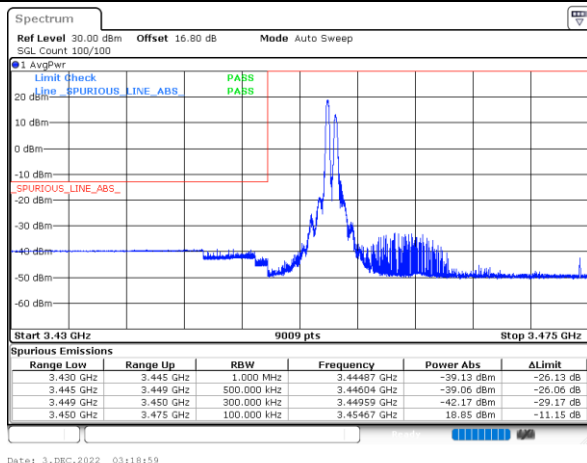
## Lowest Band Edge / 1RB0 and 1RB99



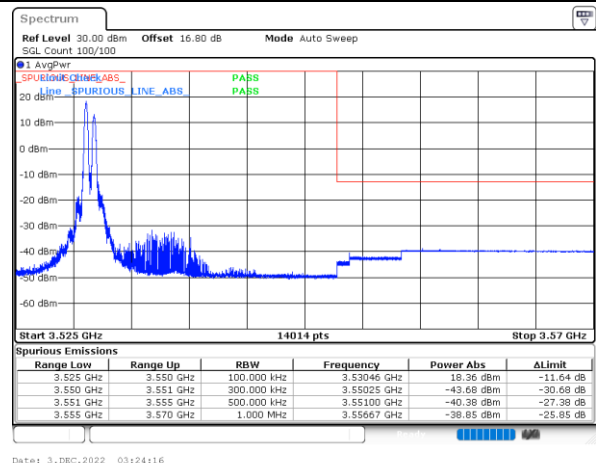
## Highest Band Edge / 1RB0 and 1RB99



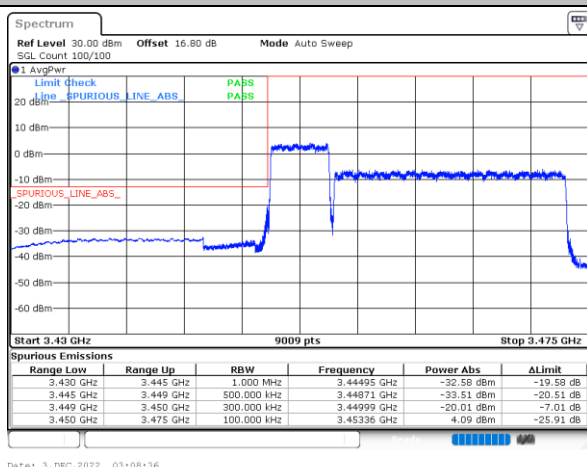
## Lowest Band Edge / 1RB49 and 1RB0



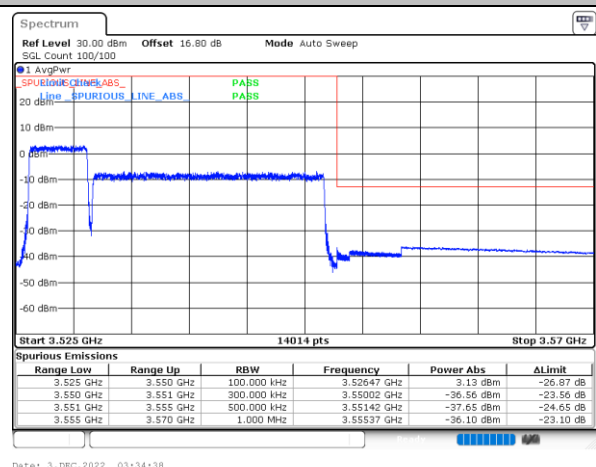
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

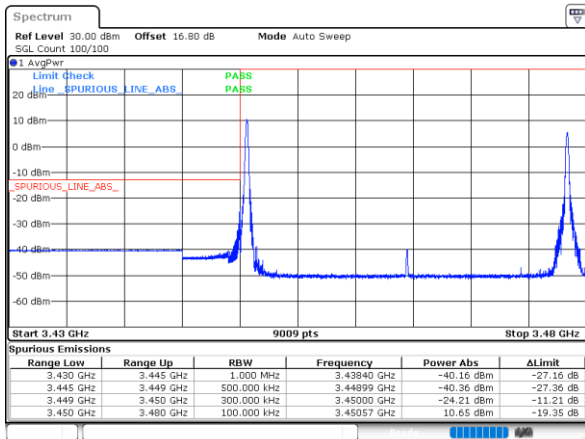




## LTE Band 42C / 10MHz+20MHz

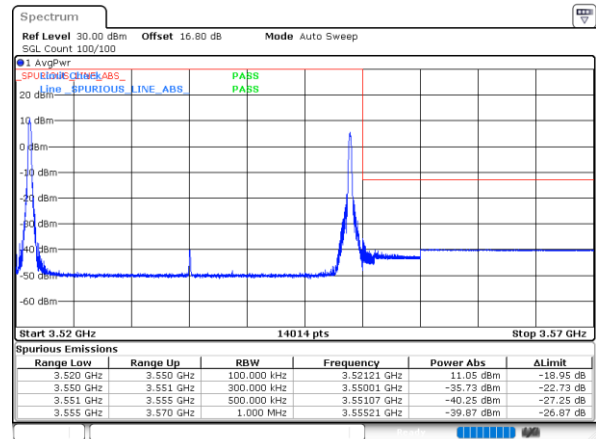
## 16QAM

## Lowest Band Edge / 1RB0 and 1RB49



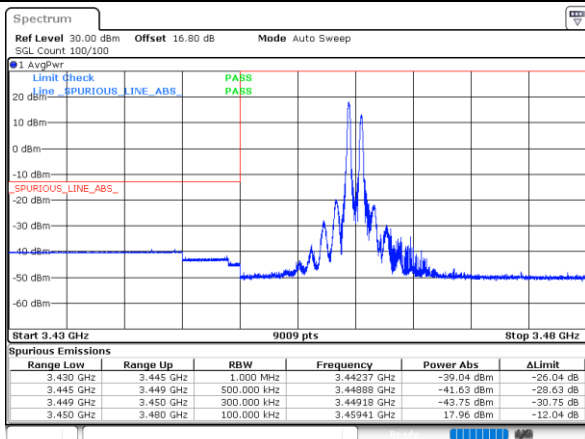
Date: 30.NOV.2022 18:18:24

## Highest Band Edge / 1RB0 and 1RB49



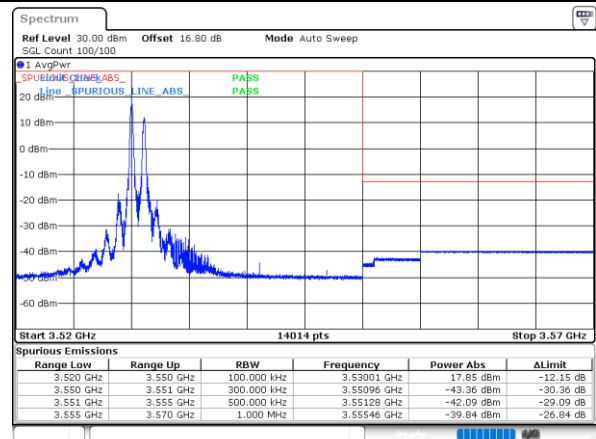
Date: 30.NOV.2022 18:18:24

## Lowest Band Edge / 1RB74 and 1RB0



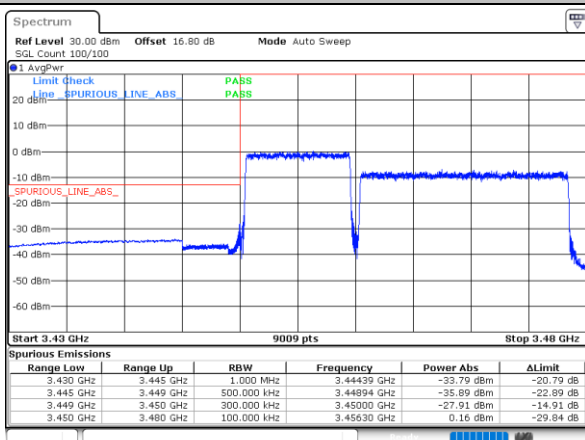
Date: 30.NOV.2022 18:26:46

## Highest Band Edge / 1RB74 and 1RB0



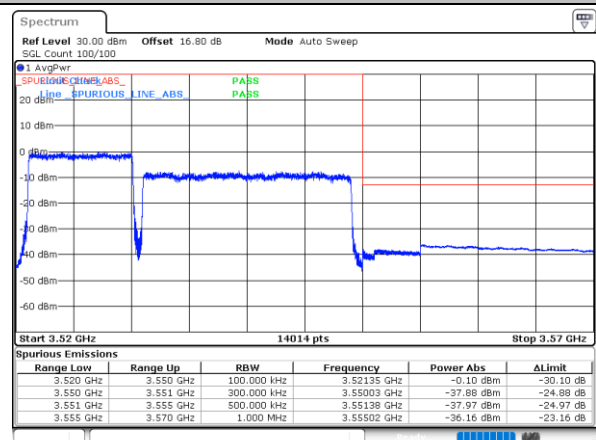
Date: 30.NOV.2022 18:32:03

## Lowest Band Edge / Full RB



Date: 30.NOV.2022 18:13:14

## Highest Band Edge / Full RB



Date: 30.NOV.2022 18:45:34

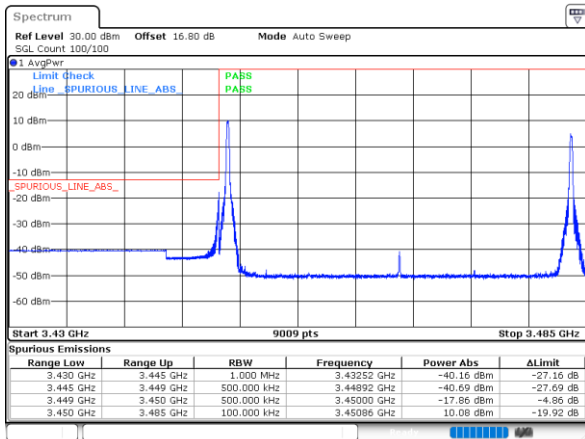




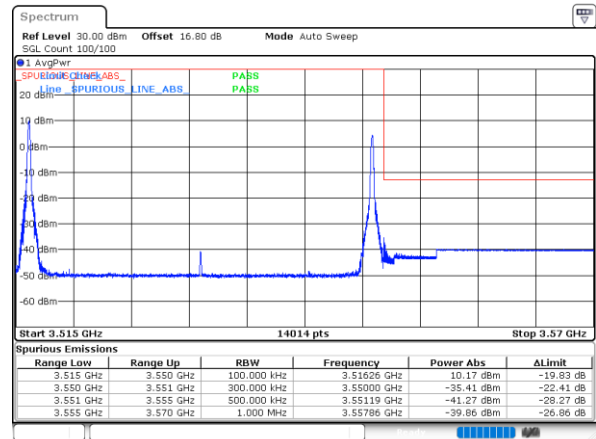
## LTE Band 42C / 15MHz+20MHz

## 16QAM

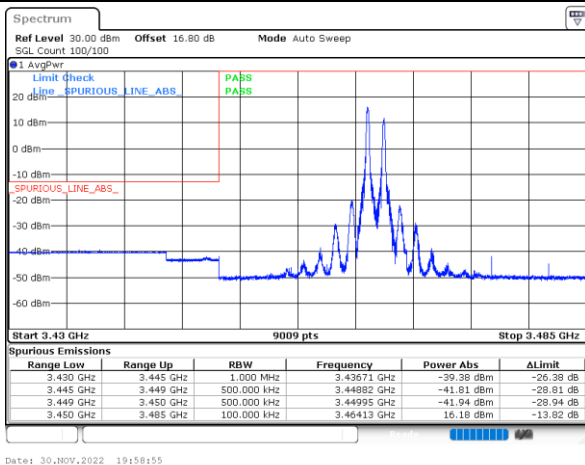
## Lowest Band Edge / 1RB0 and 1RB74



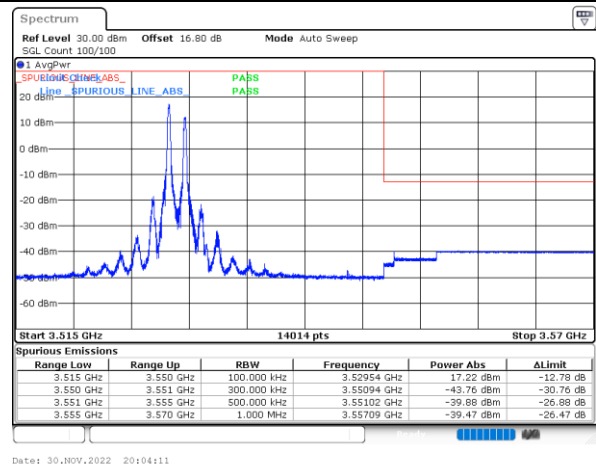
## Highest Band Edge / 1RB0 and 1RB74



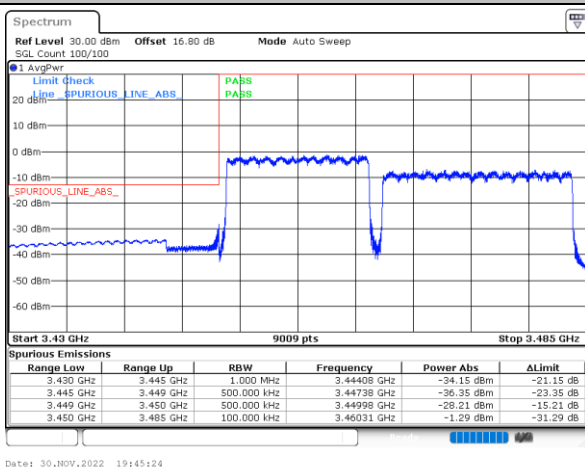
## Lowest Band Edge / 1RB74 and 1RB0



## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

