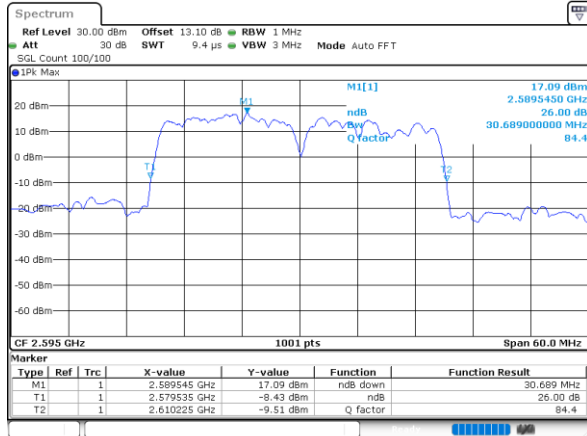




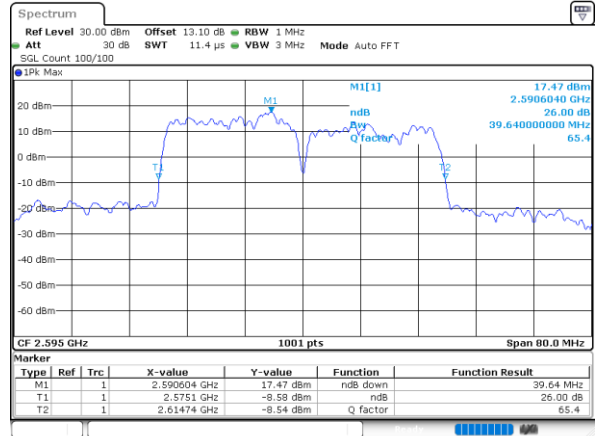
## LTE Band 38C

## QPSK

## Middle Channel / 15MHz+15MHz



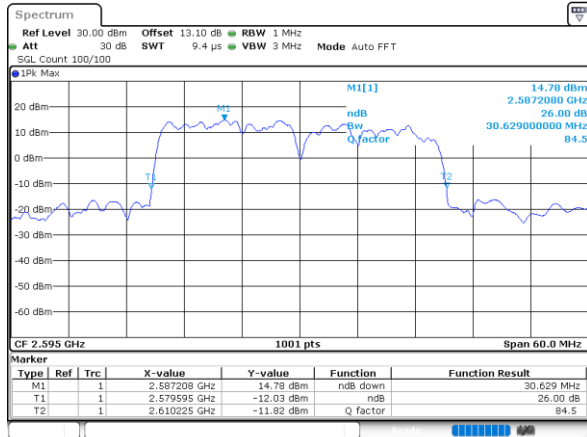
## Middle Channel / 20MHz+20MHz



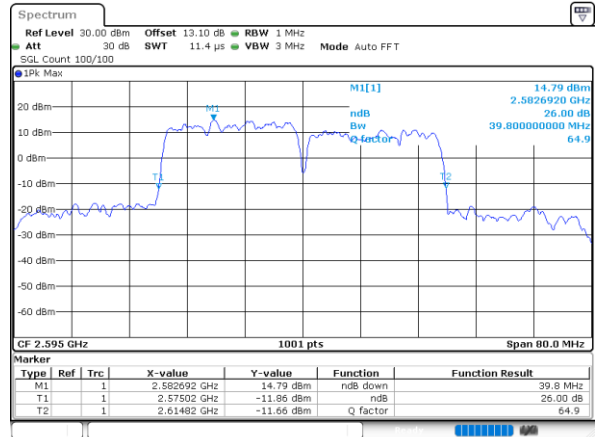
## LTE Band 38C

## 16QAM

## Middle Channel / 15MHz+15MHz



## Middle Channel / 20MHz+20MHz

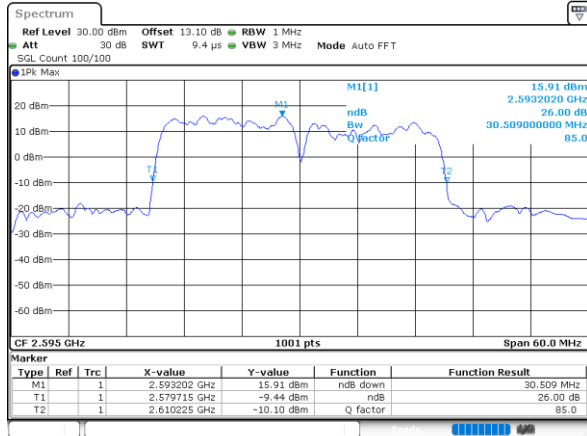




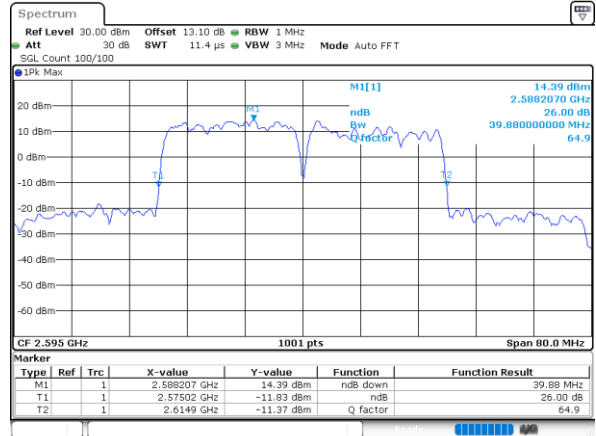
## LTE Band 38C

## 64QAM

## Middle Channel / 15MHz+15MHz



## Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

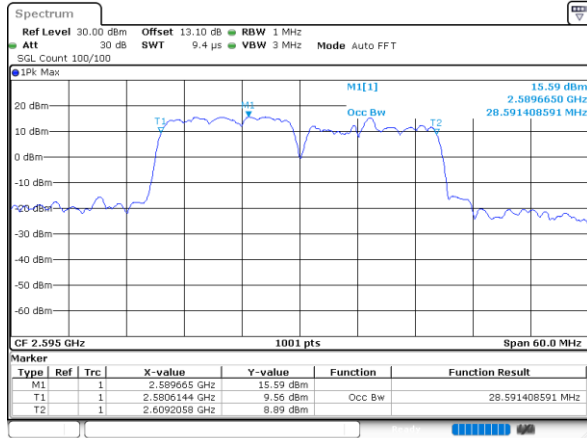
| Mode      | LTE Band 38C : 99%OBW(MHz) |             |             |
|-----------|----------------------------|-------------|-------------|
|           | QPSK                       | 16QAM       | 64QAM       |
| BW        | 15MHz+15MHz                | 15MHz+15MHz | 15MHz+15MHz |
| Middle CH | 28.59                      | 28.05       | 28.29       |
| BW        | 20MHz+20MHz                | 20MHz+20MHz | 20MHz+20MHz |
| Middle CH | 37.56                      | 37.56       | 37.72       |



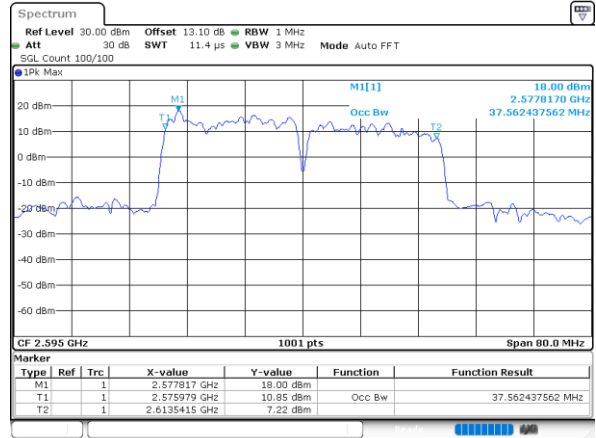
## LTE Band 38C

## QPSK

## Middle Channel / 15MHz+15MHz



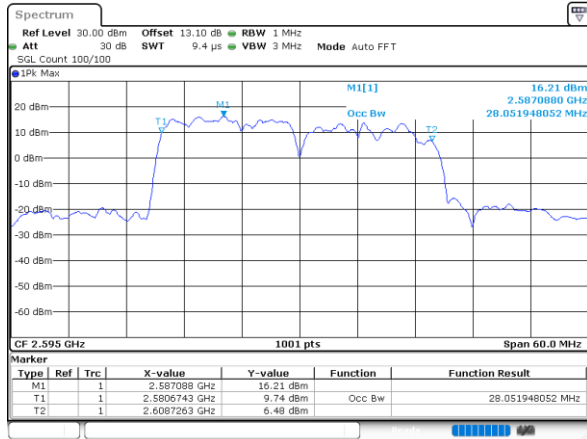
## Middle Channel / 20MHz+20MHz



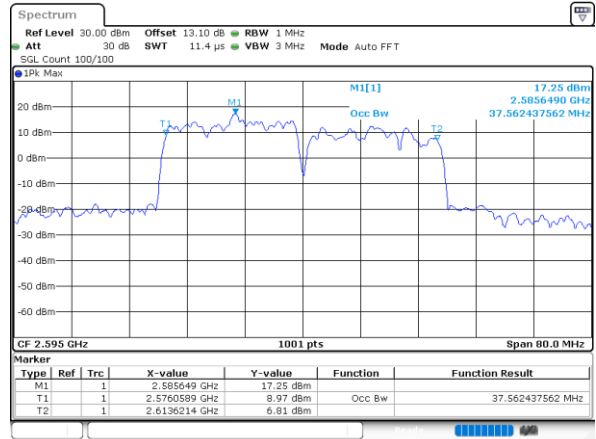
## LTE Band 38C

## 16QAM

## Middle Channel / 15MHz+15MHz



## Middle Channel / 20MHz+20MHz

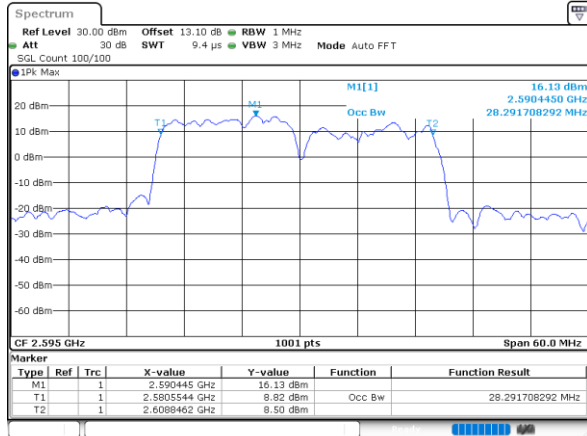




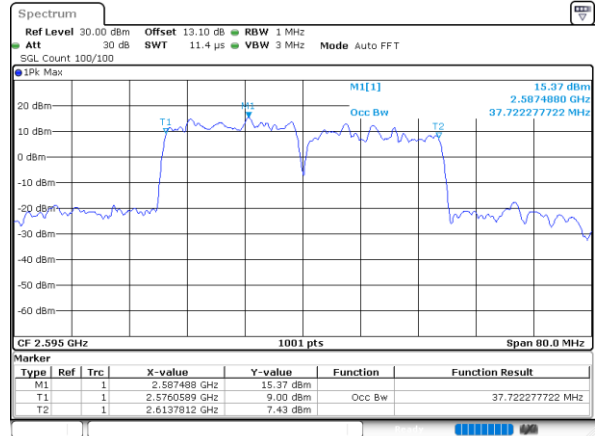
## LTE Band 38C

## 64QAM

## Middle Channel / 15MHz+15MHz



## Middle Channel / 20MHz+20MHz



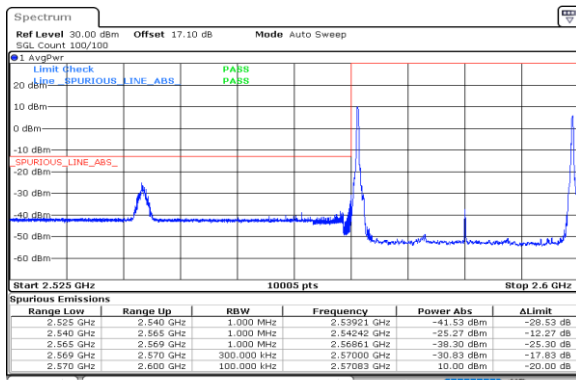


# Conducted Band Edge

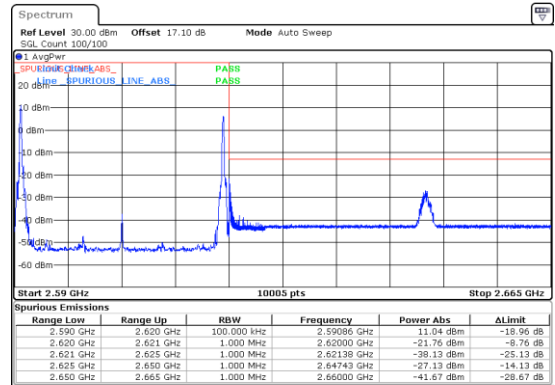
## LTE Band 38C / 15MHz+15MHz

### QPSK

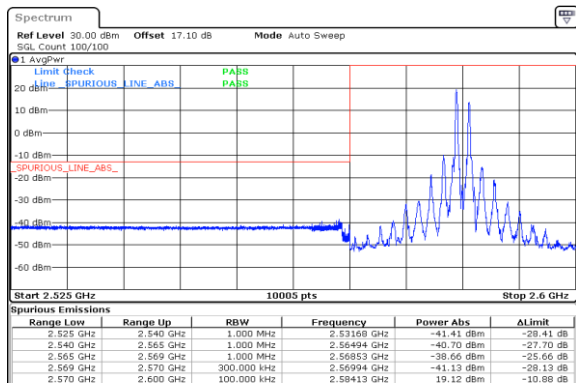
#### Lowest Band Edge / 1RB0 and 1RB74



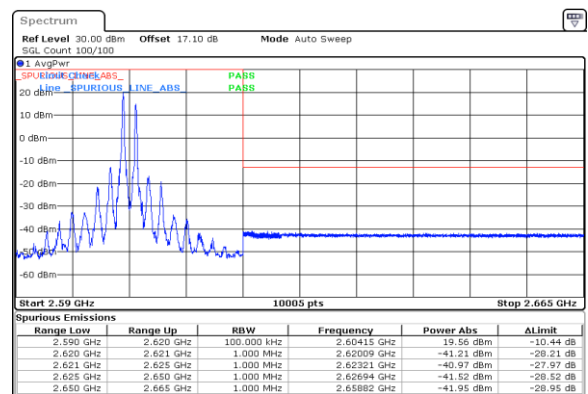
#### Highest Band Edge / 1RB0 and 1RB74



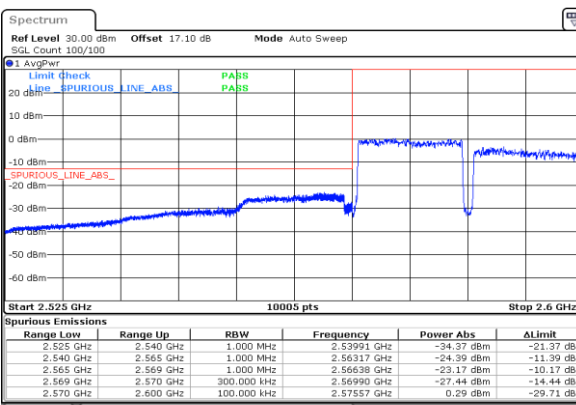
#### Lowest Band Edge / 1RB74 and 1RB0



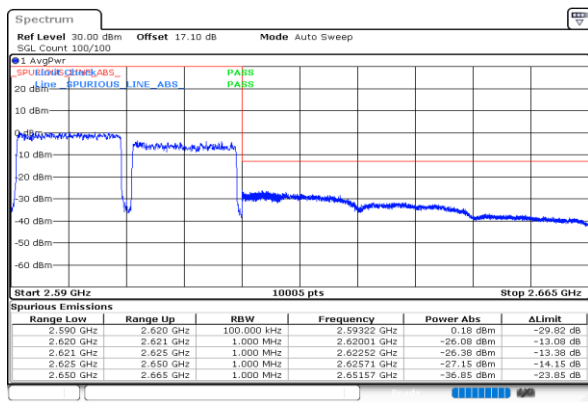
#### Highest Band Edge / 1RB74 and 1RB0



#### Lowest Band Edge / Full RB



#### Highest Band Edge / Full RB

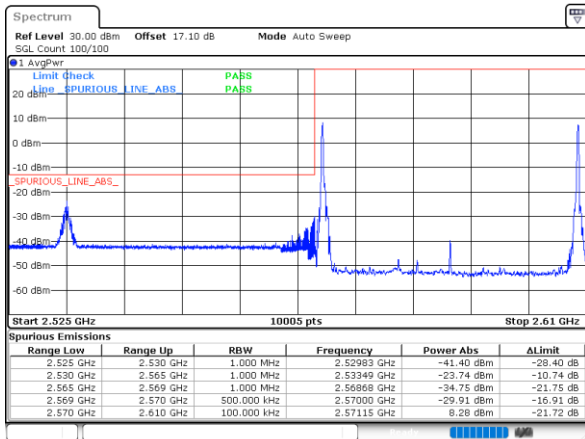




## LTE Band 38C / 20MHz+20MHz

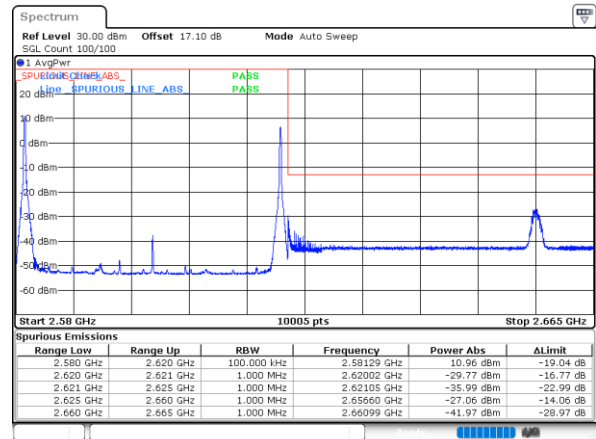
## QPSK

## Lowest Band Edge / 1RB0 and 1RB99



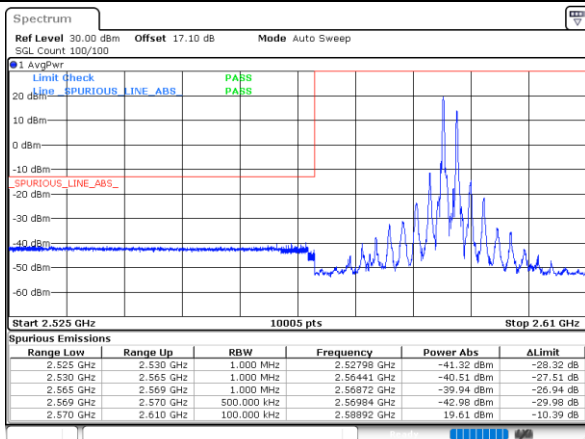
Date: 27.JAN.2021 17:46:26

## Highest Band Edge / 1RB0 and 1RB99



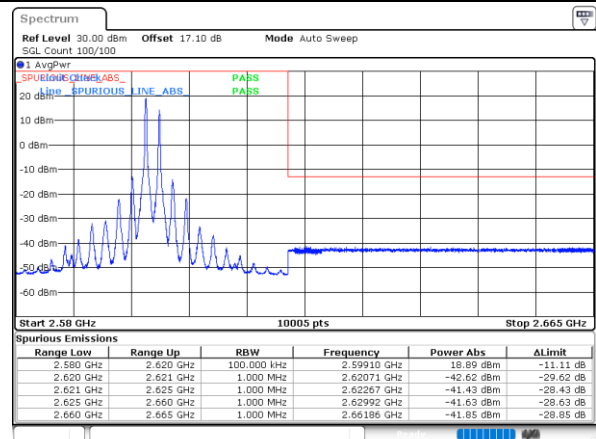
Date: 27.JAN.2021 18:14:36

## Lowest Band Edge / 1RB99 and 1RB0



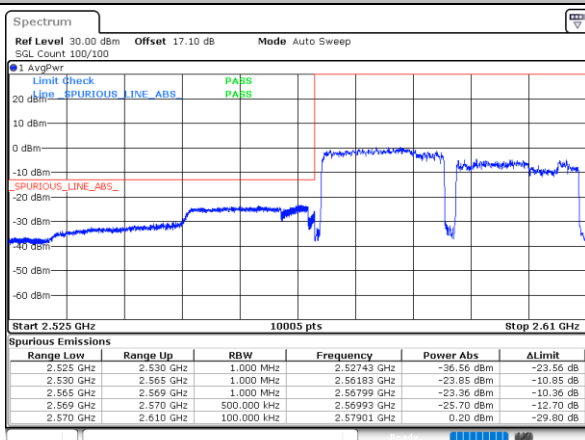
Date: 27.JAN.2021 17:46:53

## Highest Band Edge / 1RB99 and 1RB0



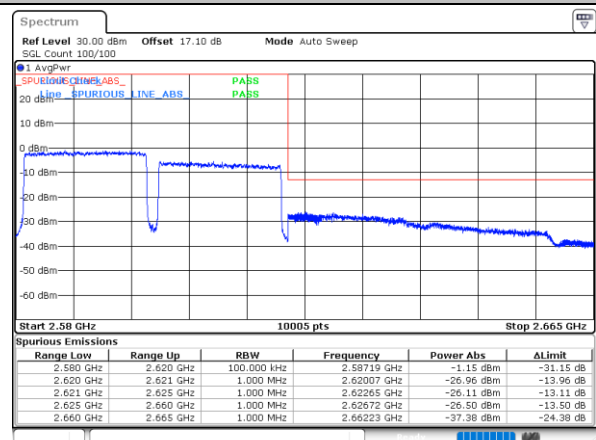
Date: 27.JAN.2021 18:18:41

## Lowest Band Edge / Full RB



Date: 27.JAN.2021 17:44:09

## Highest Band Edge / Full RB



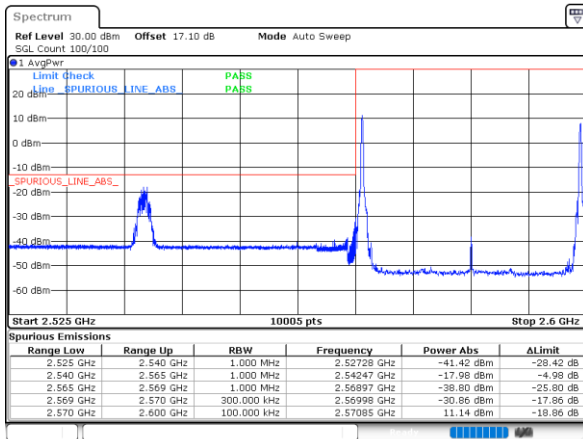
Date: 27.JAN.2021 18:13:47



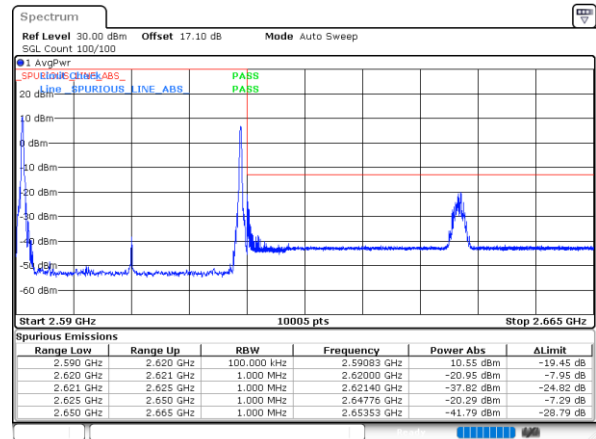
## LTE Band 38C / 15MHz+15MHz

## 16QAM

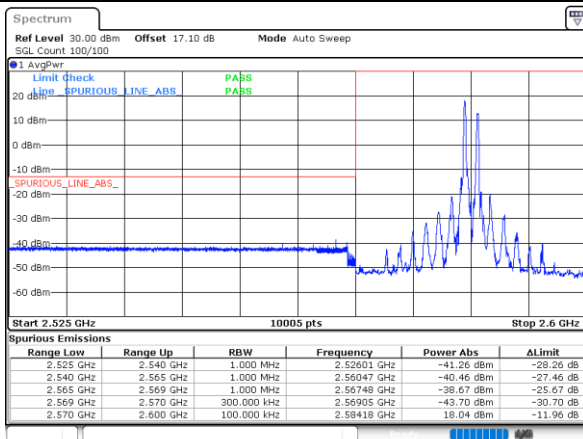
## Lowest Band Edge / 1RB0 and 1RB74



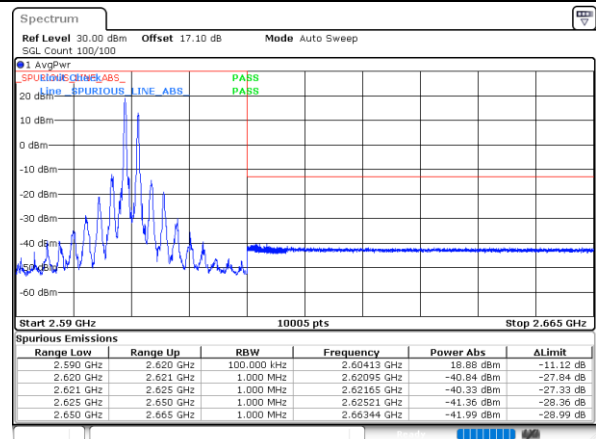
## Highest Band Edge / 1RB0 and 1RB74



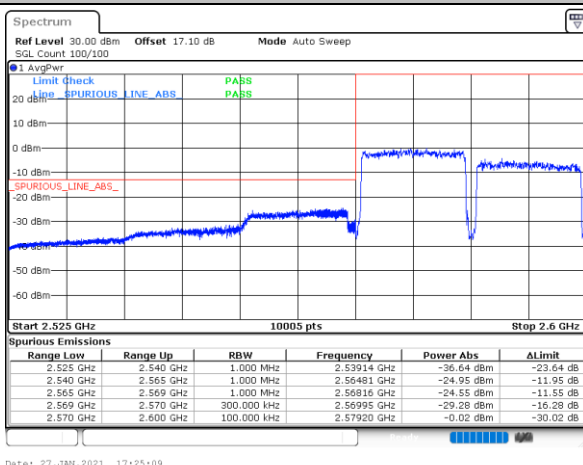
## Lowest Band Edge / 1RB74 and 1RB0



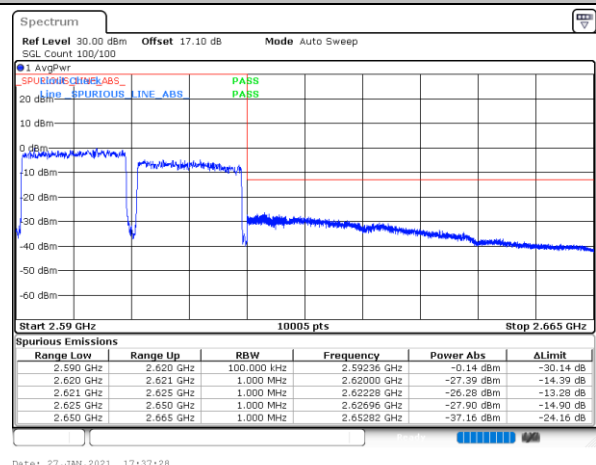
## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

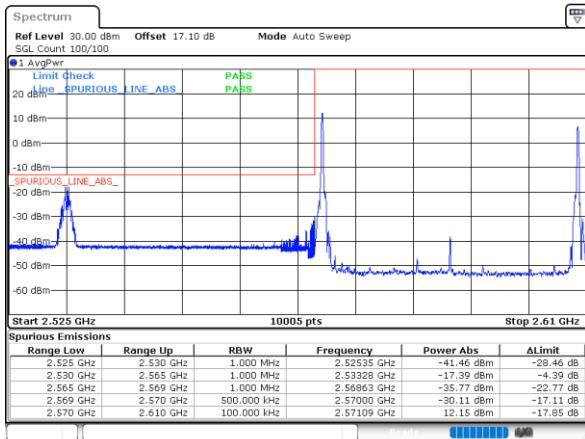




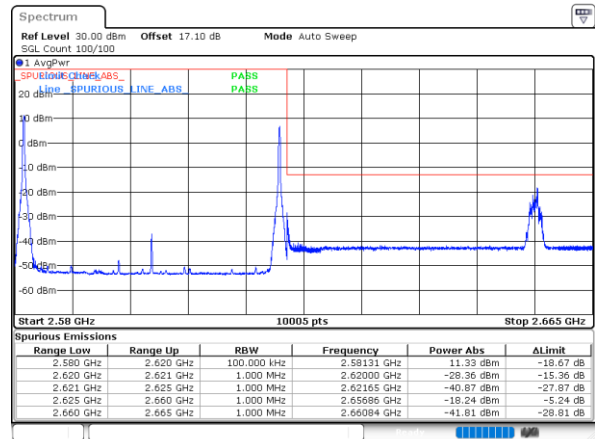
## LTE Band 38C / 20MHz+20MHz

## 16QAM

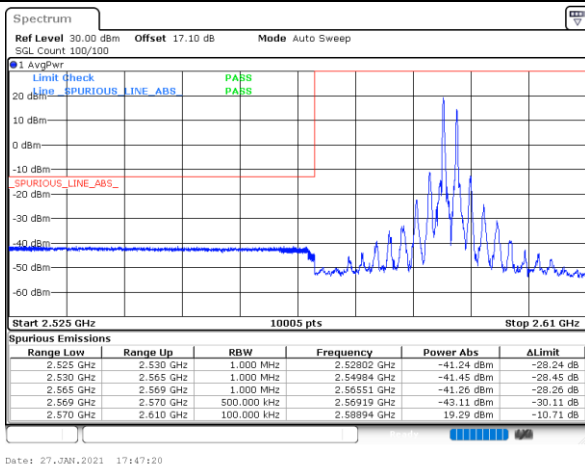
## Lowest Band Edge / 1RB0 and 1RB99



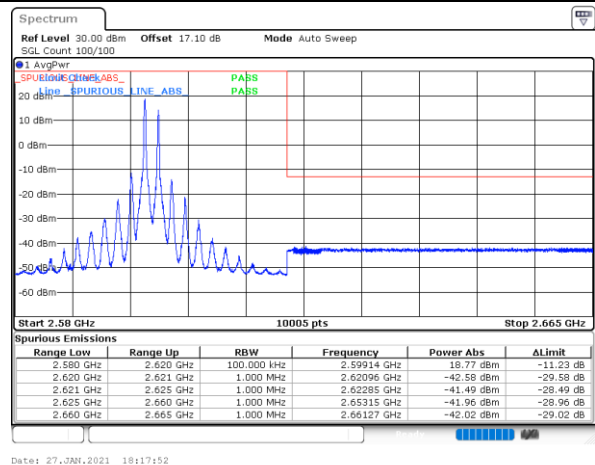
## Highest Band Edge / 1RB0 and 1RB99



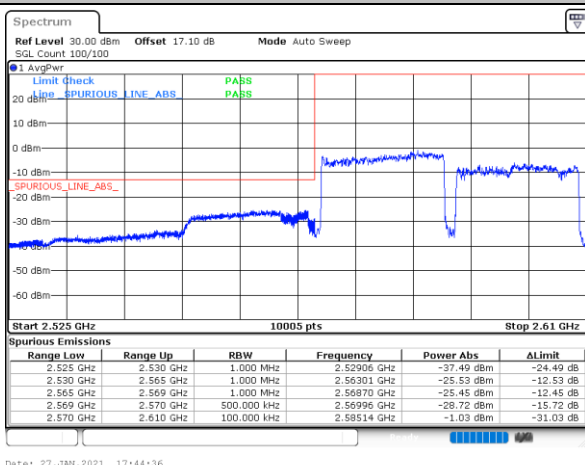
## Lowest Band Edge / 1RB99 and 1RB0



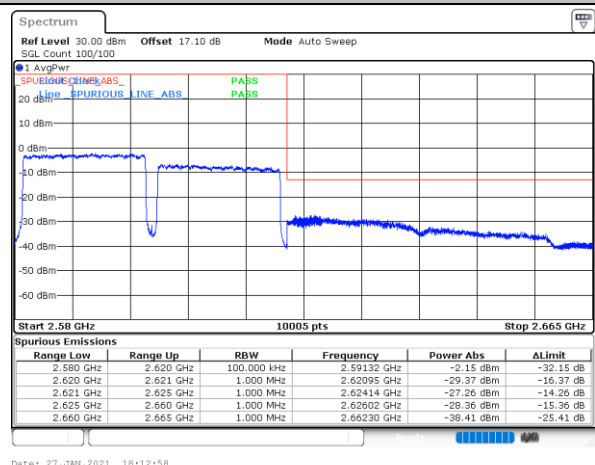
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

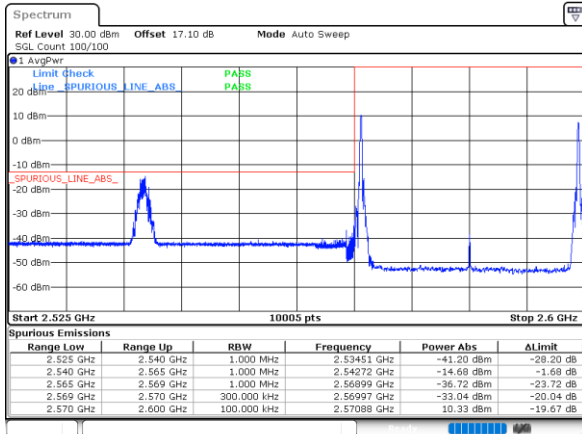




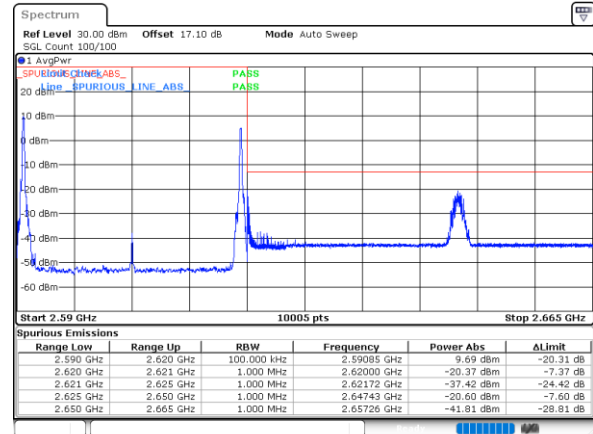
## LTE Band 38C / 15MHz+15MHz

## 64QAM

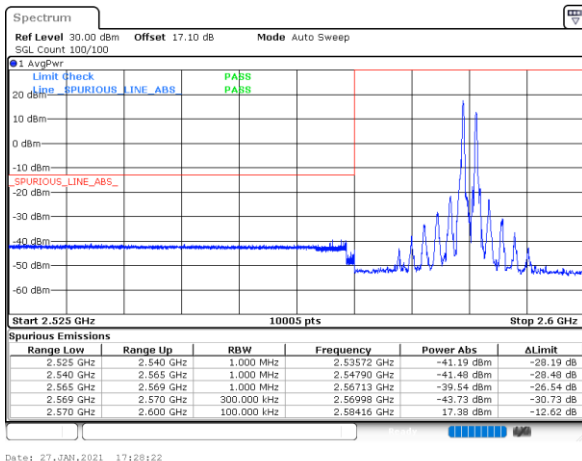
## Lowest Band Edge / 1RB0 and 1RB74



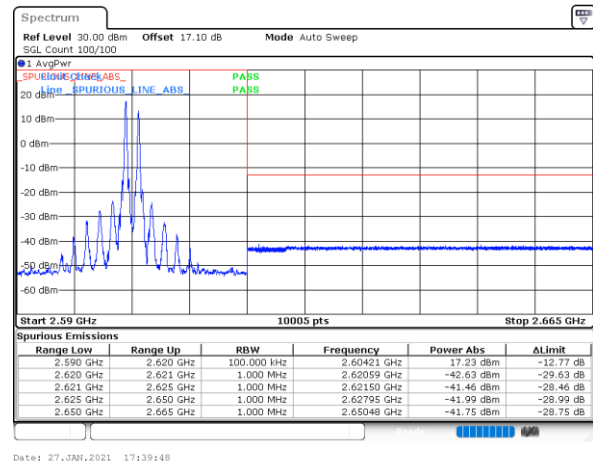
## Highest Band Edge / 1RB0 and 1RB74



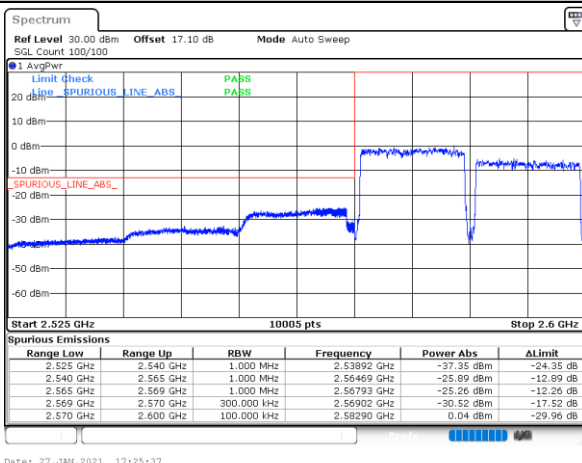
## Lowest Band Edge / 1RB74 and 1RB0



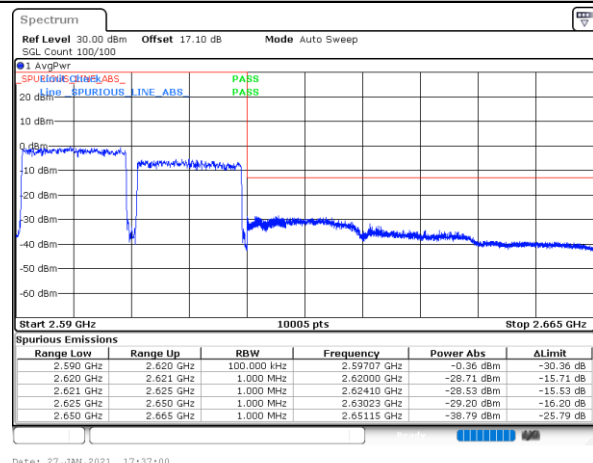
## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

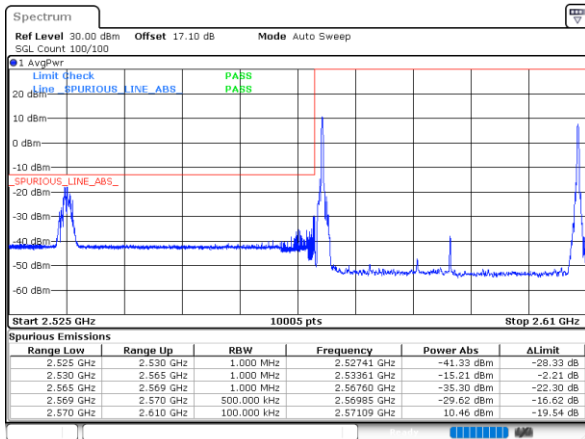




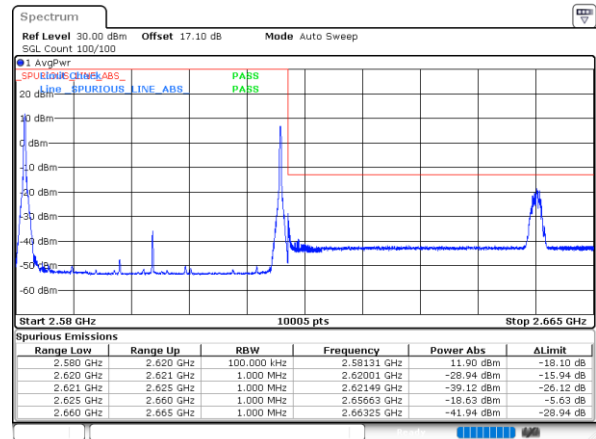
## LTE Band 38C / 20MHz+20MHz

## 64QAM

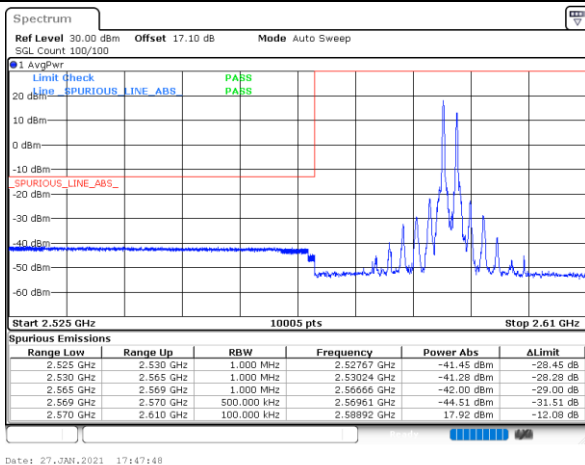
## Lowest Band Edge / 1RB0 and 1RB99



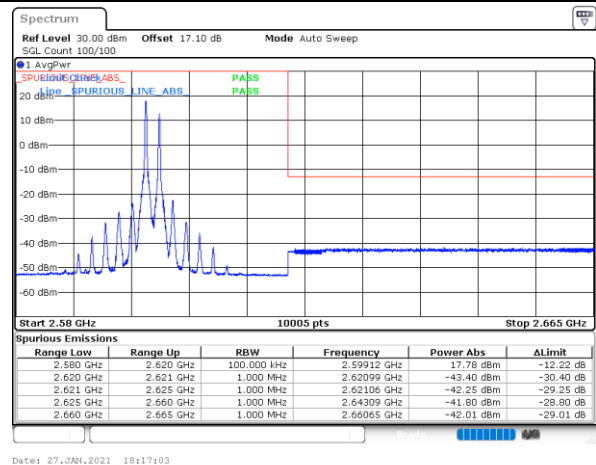
## Highest Band Edge / 1RB0 and 1RB99



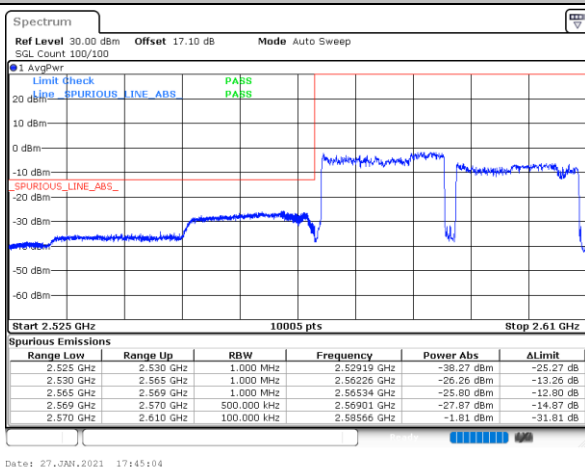
## Lowest Band Edge / 1RB99 and 1RB0



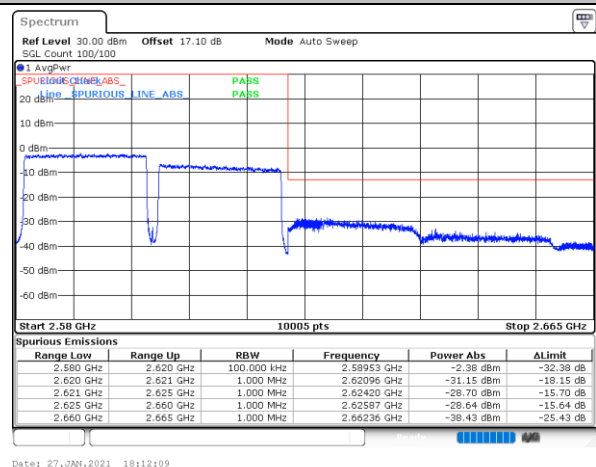
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





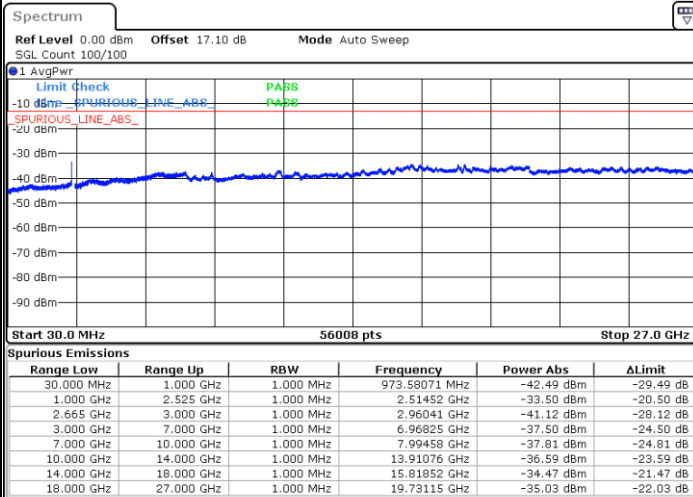
## Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

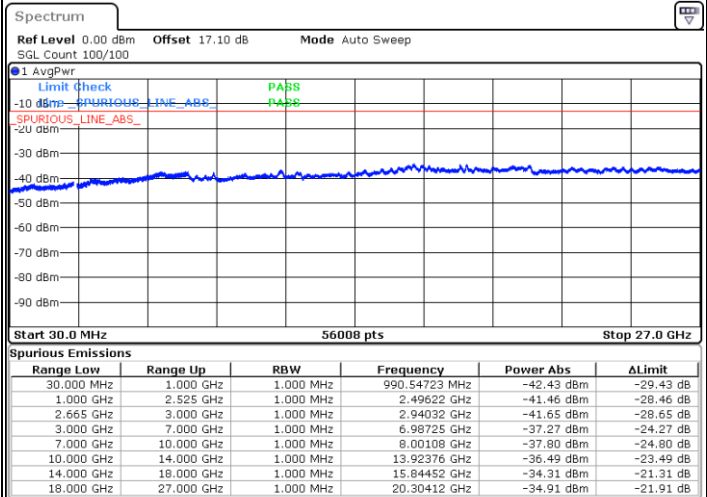
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



Date: 27.JAN.2021 17:30:27



Date: 27.JAN.2021 17:29:25

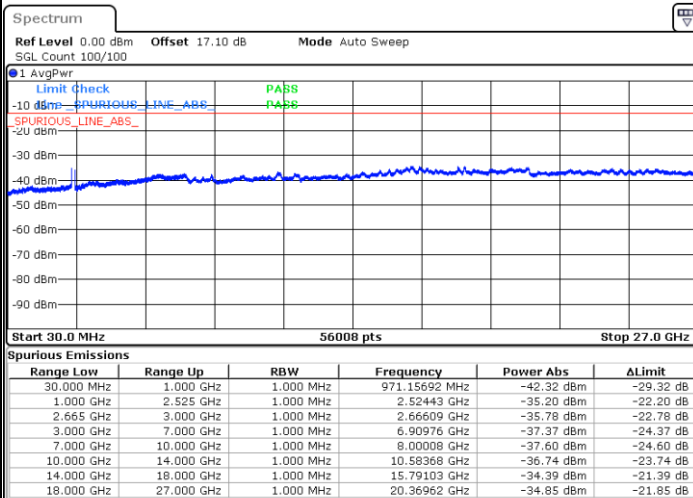


## LTE Band 38C / 15MHz+15MHz

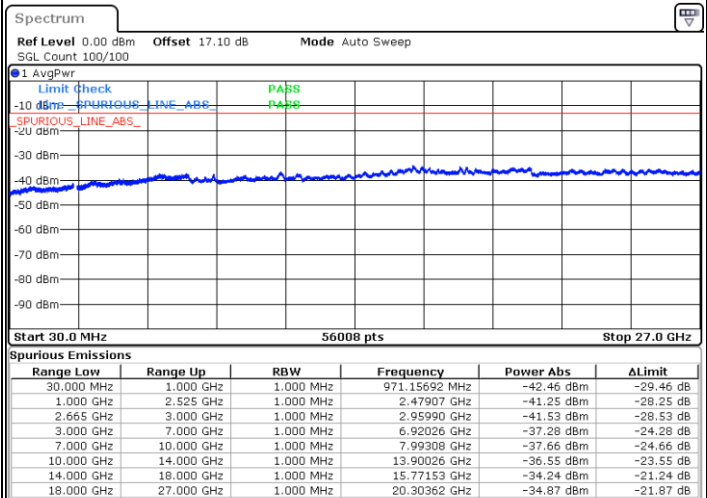
## QPSK

## Middle Channel / 1RB0 and 1RB74

## Middle Channel / 1RB74 and 1RB0



Date: 27.JAN.2021 17:32:16



Date: 27.JAN.2021 17:33:19

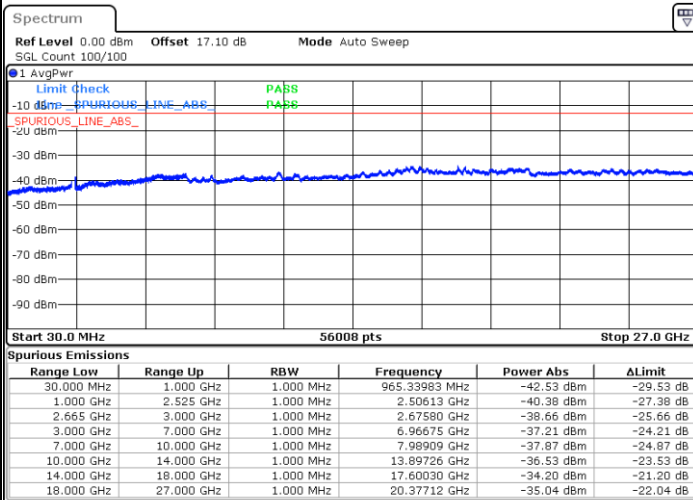


## LTE Band 38C / 15MHz+15MHz

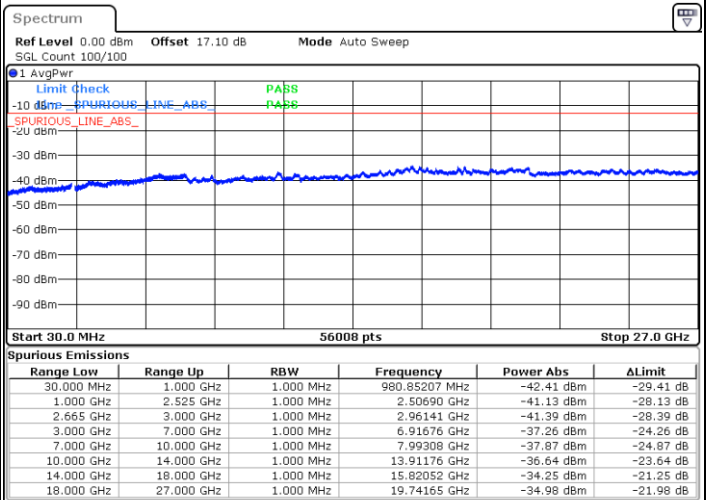
## QPSK

## Highest Channel / 1RB0 and 1RB74

## Highest Channel / 1RB74 and 1RB0



Date: 27.JAN.2021 17:42:51



Date: 27.JAN.2021 17:41:48

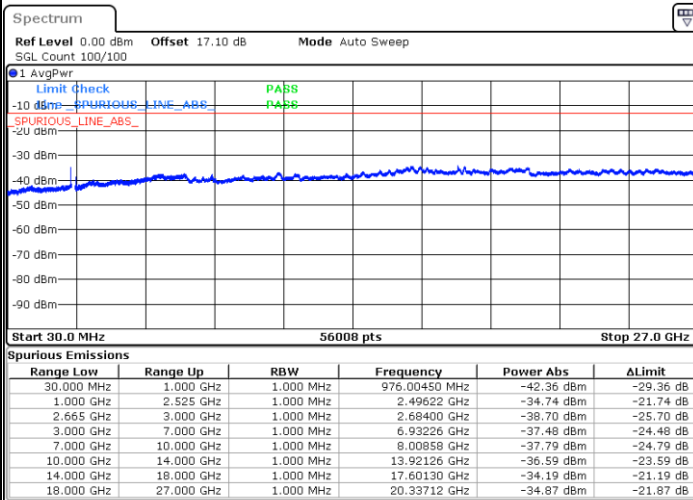


## LTE Band 38C / 20MHz+20MHz

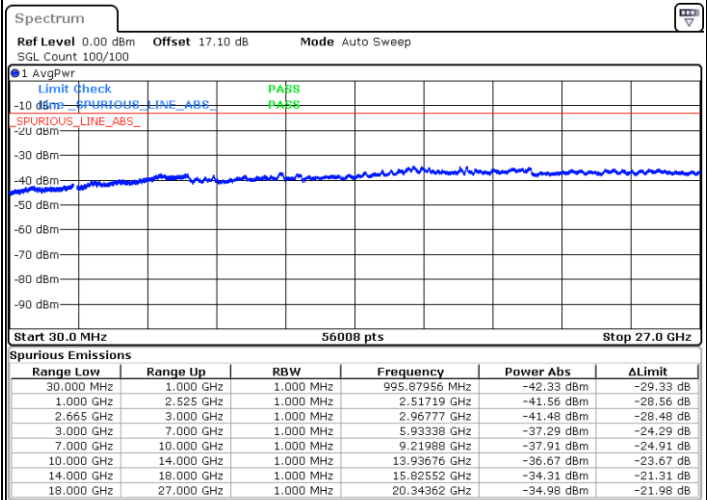
## QPSK

## Lowest Channel / 1RB0 and 1RB99

## Lowest Channel / 1RB99 and 1RB0



Date: 27.JAN.2021 17:49:54



Date: 27.JAN.2021 17:48:51

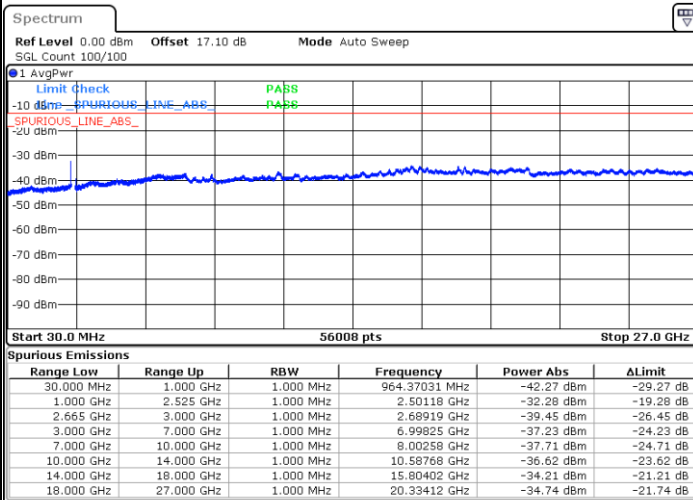


## LTE Band 38C / 20MHz+20MHz

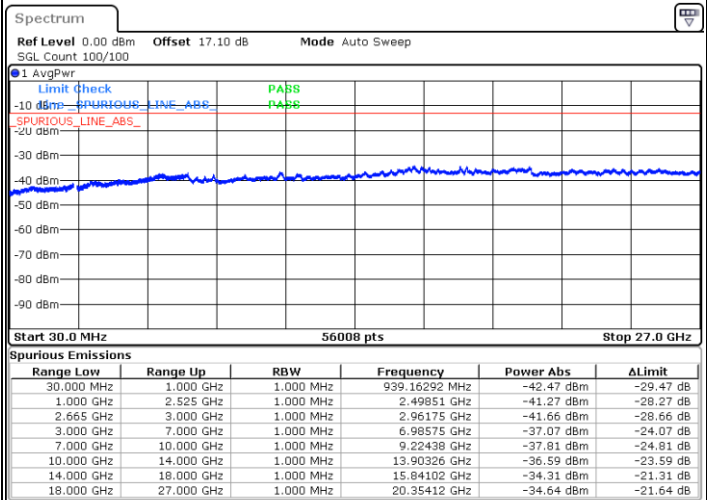
## QPSK

## Middle Channel / 1RB0 and 1RB99

## Middle Channel / 1RB99 and 1RB0



Date: 27.JAN.2021 17:52:35



Date: 27.JAN.2021 17:53:38

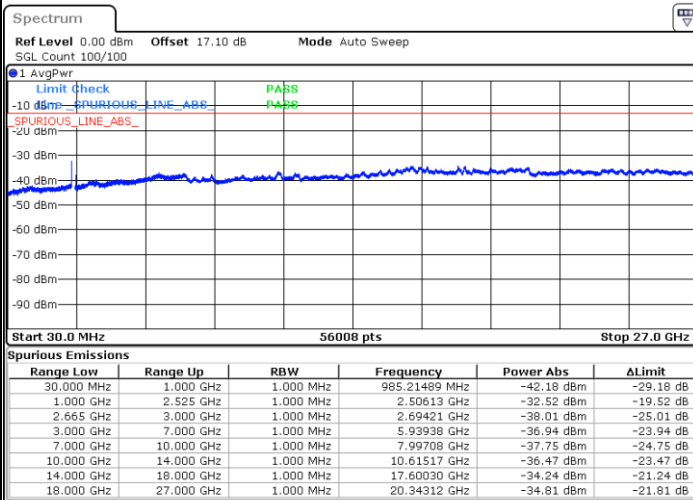


## LTE Band 38C / 20MHz+20MHz

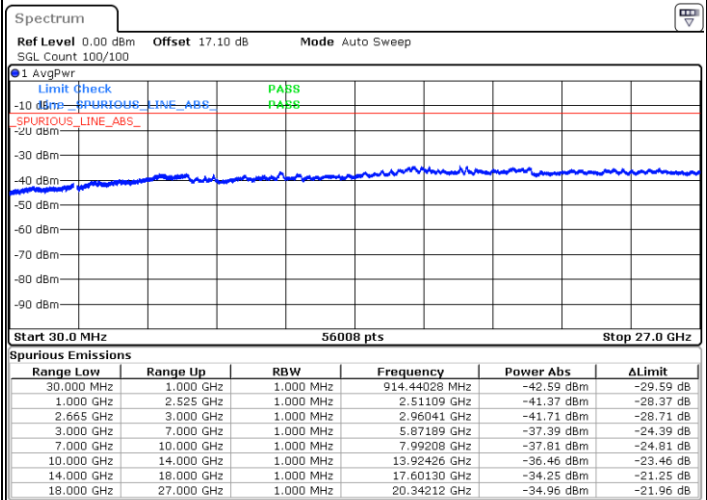
## QPSK

## Highest Channel / 1RB0 and 1RB99

## Highest Channel / 1RB99 and 1RB0



Date: 27.JAN.2021 18:20:47



Date: 27.JAN.2021 18:19:44



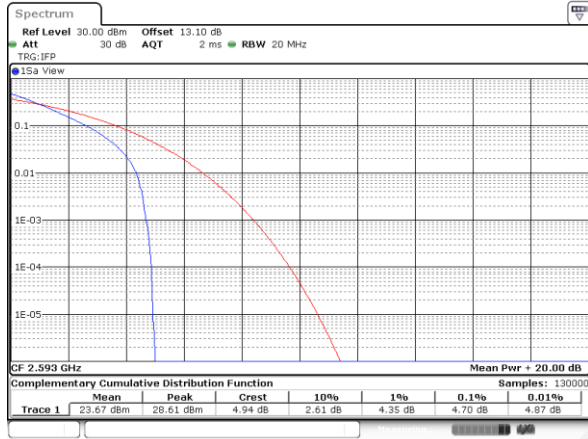
## LTE Band 41

### 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 | 4.70                | 5.68    | 6.67    | PASS        |

## LTE Band 41 / 20MHz / QPSK

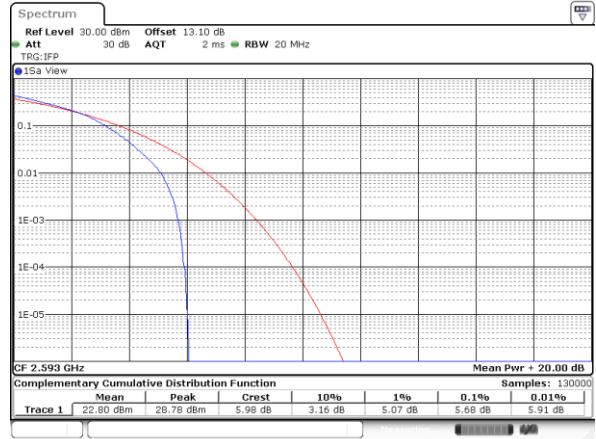
### Middle Channel / Full RB



Date: 17.JAN.2021 08:38:29

## LTE Band 41 / 20MHz / 16QAM

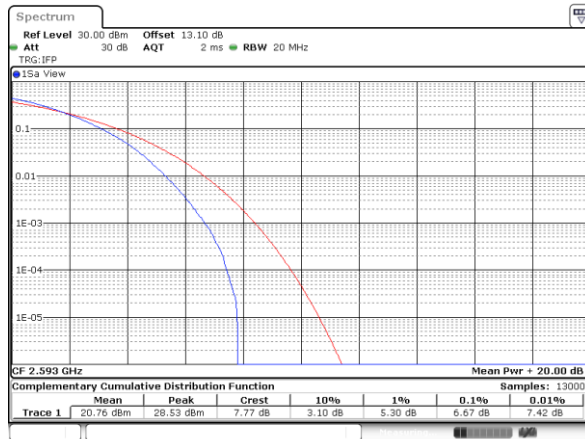
### Middle Channel / Full RB



Date: 17.JAN.2021 08:38:10

## LTE Band 41 / 20MHz / 64QAM

### Middle Channel / Full RB



Date: 17.JAN.2021 08:37:52

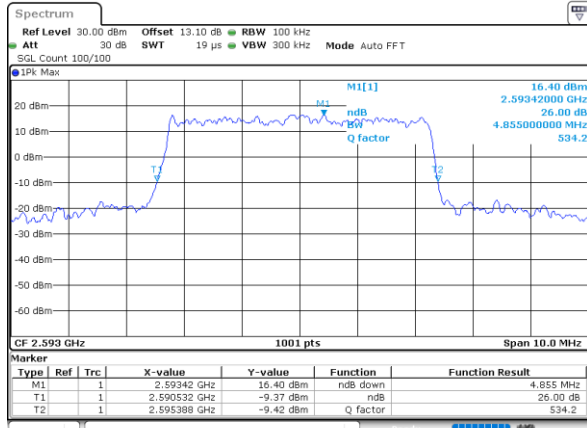
**26dB Bandwidth**

| 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 | -                          | -     | -     | -     | 4.86  | 4.82  | 9.75  | 9.75  | 14.39 | 14.21 | 18.82 | 18.98 |
| Mode      | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW        | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | 64QAM                      | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     |
| Middle CH | -                          | -     | -     | -     | 4.78  | -     | 9.69  | -     | 14.27 | -     | 18.62 | -     |



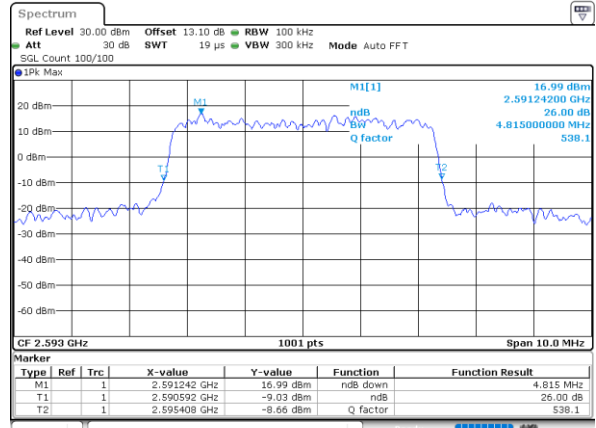
## LTE Band 41

## Middle Channel / 5MHz / QPSK



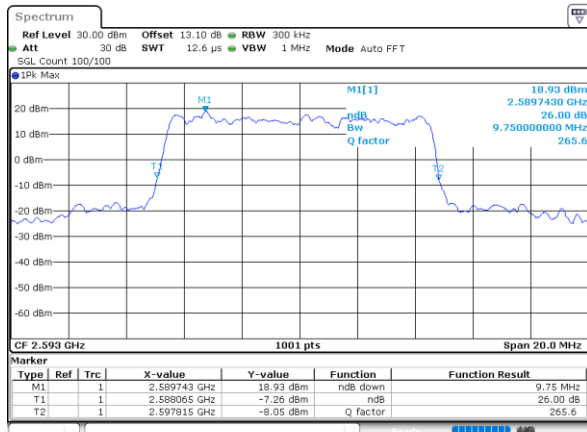
Date: 17.JAN.2021 08:33:29

## Middle Channel / 5MHz / 16QAM



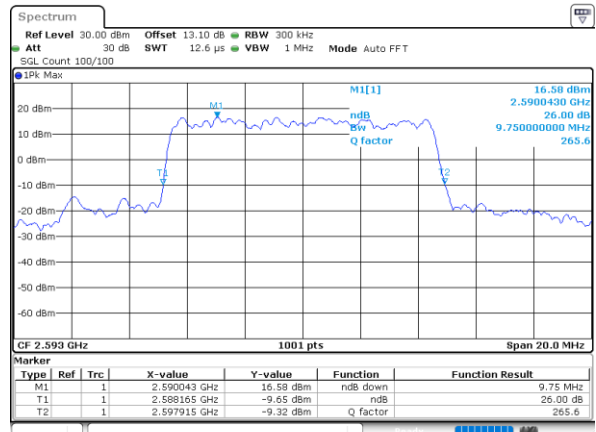
Date: 17.JAN.2021 08:33:40

## Middle Channel / 10MHz / QPSK



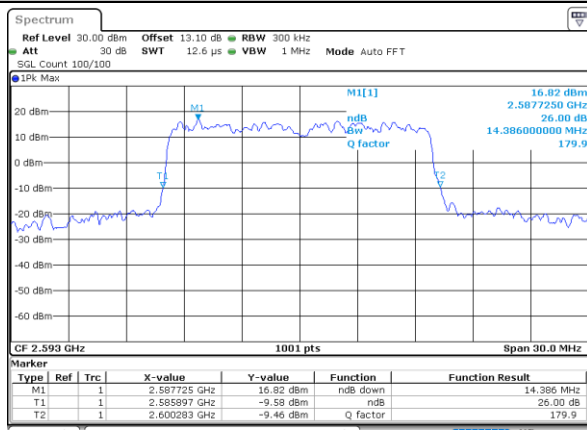
Date: 17.JAN.2021 08:34:14

## Middle Channel / 10MHz / 16QAM



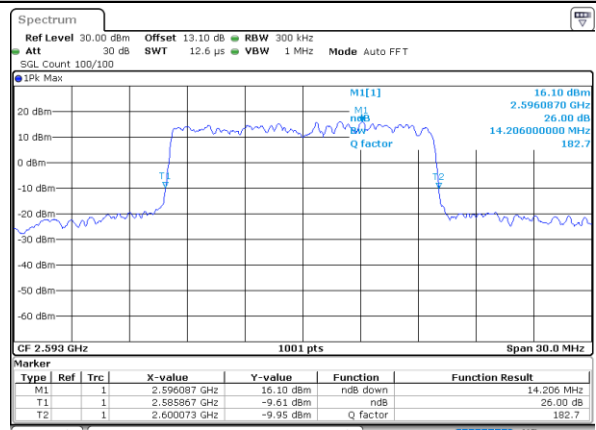
Date: 17.JAN.2021 08:34:25

## Middle Channel / 15MHz / QPSK



Date: 17.JAN.2021 08:35:00

## Middle Channel / 15MHz / 16QAM

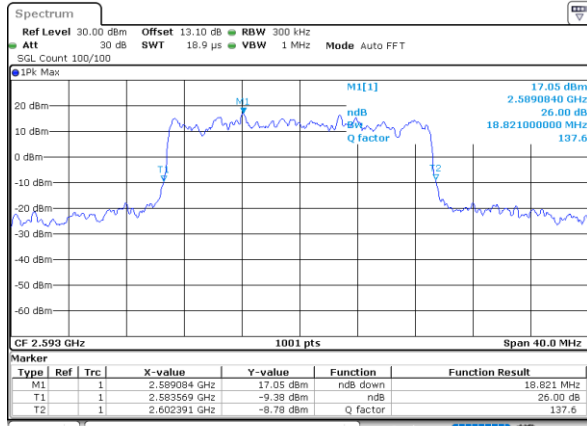


Date: 17.JAN.2021 08:35:11



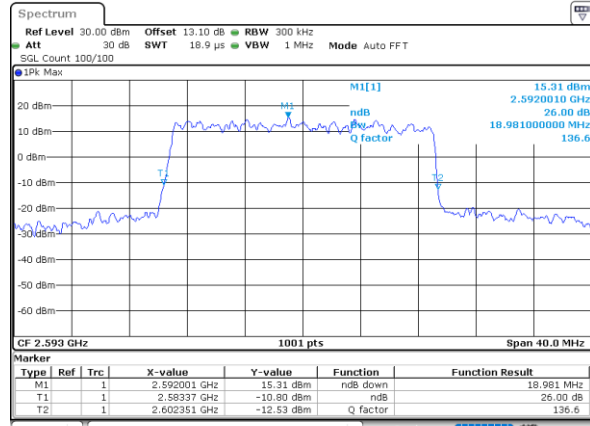
## LTE Band 41

## Middle Channel / 20MHz / QPSK



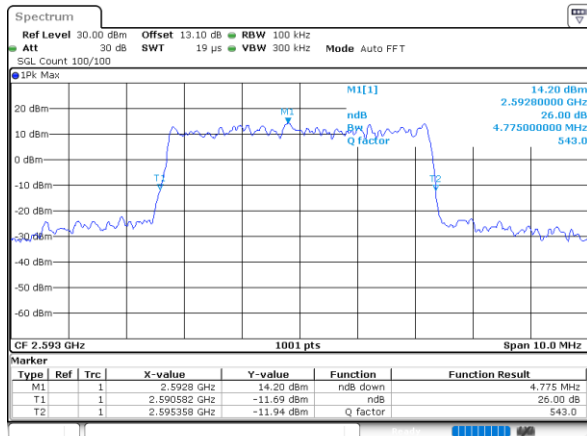
Date: 17\_JAN\_2021 08:35:45

## Middle Channel / 20MHz / 16QAM



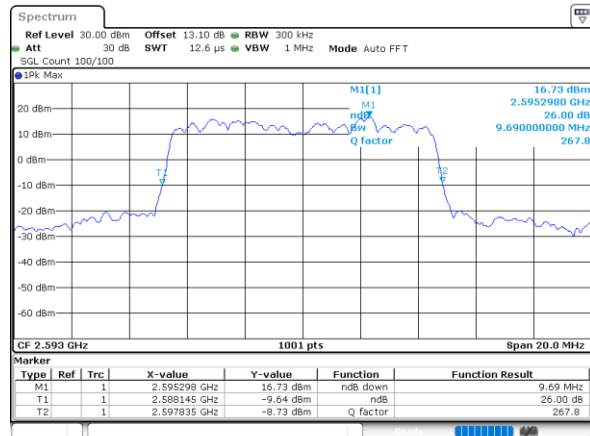
Date: 17\_JAN\_2021 08:35:56

## Middle Channel / 5MHz / 64QAM



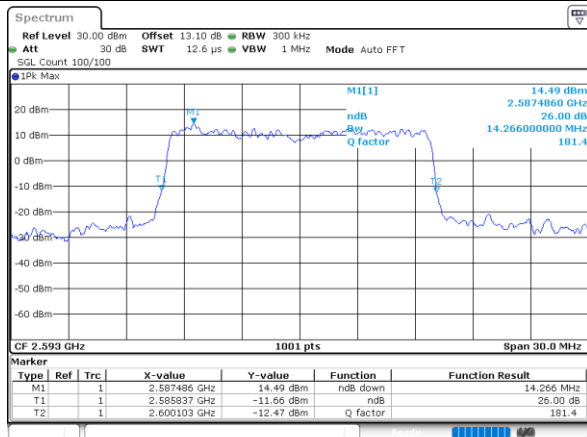
Date: 17\_JAN\_2021 08:36:19

## Middle Channel / 10MHz / 64QAM



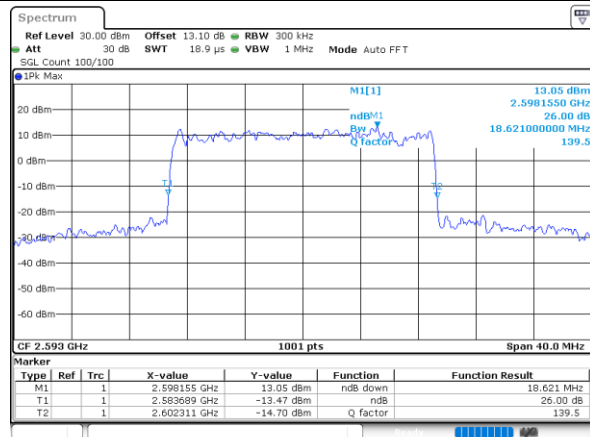
Date: 17\_JAN\_2021 08:36:42

## Middle Channel / 15MHz / 64QAM



Date: 17\_JAN\_2021 08:37:05

## Middle Channel / 20MHz / 64QAM



Date: 17\_JAN\_2021 08:37:28

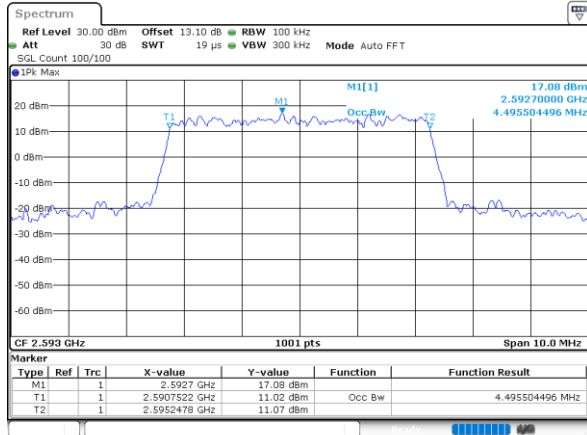
**Occupied Bandwidth**

| 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 | -                         | -     | -     | -     | 4.47  | 4.49  | 9.05  | 9.07  | 13.49 | 13.46 | 17.86 | 17.86 |
| Mode      | LTE Band 41 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW        | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | 64QAM                     | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     |
| Middle CH | -                         | -     | -     | -     | 4.47  | -     | 9.05  | -     | 13.52 | -     | 17.90 | -     |



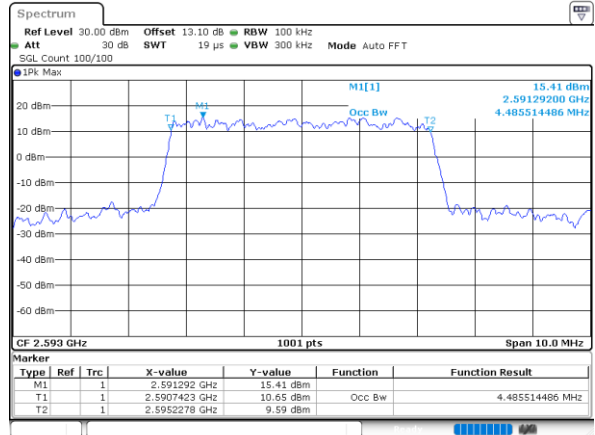
## LTE Band 41

## Middle Channel / 5MHz / QPSK



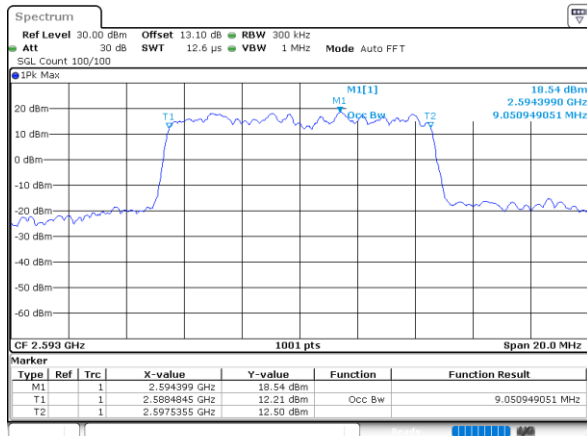
Date: 17\_JAN\_2021 08:33:06

## Middle Channel / 5MHz / 16QAM



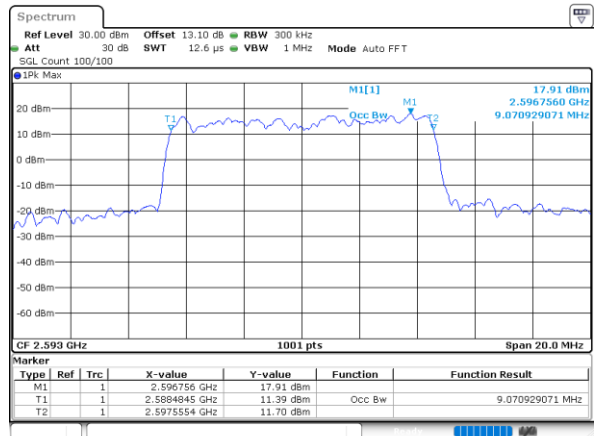
Date: 17\_JAN\_2021 08:33:18

## Middle Channel / 10MHz / QPSK



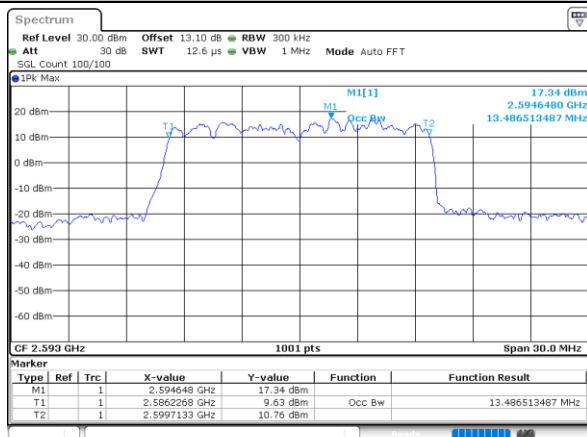
Date: 17\_JAN\_2021 08:33:52

## Middle Channel / 10MHz / 16QAM



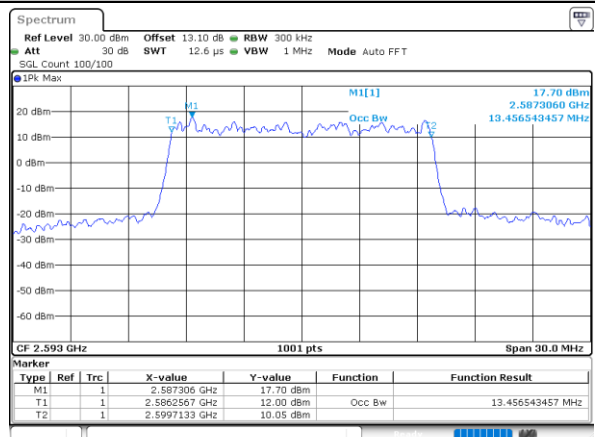
Date: 17\_JAN\_2021 08:34:03

## Middle Channel / 15MHz / QPSK



Date: 17\_JAN\_2021 08:34:37

## Middle Channel / 15MHz / 16QAM

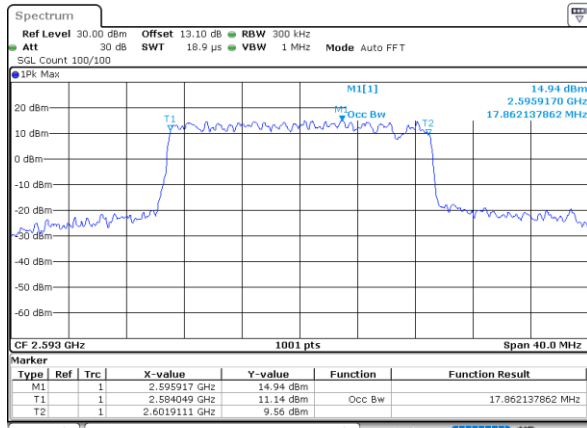


Date: 17\_JAN\_2021 08:34:49



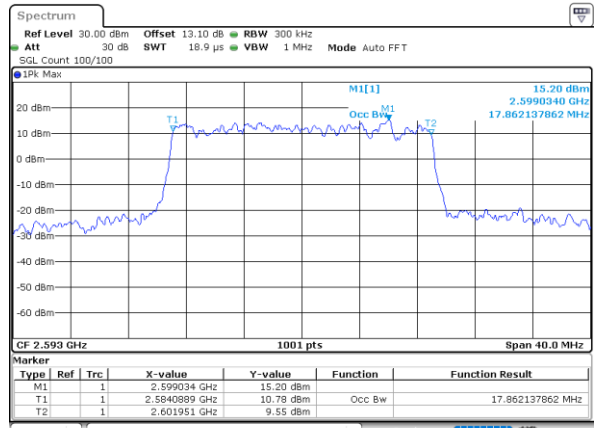
## LTE Band 41

## Middle Channel / 20MHz / QPSK



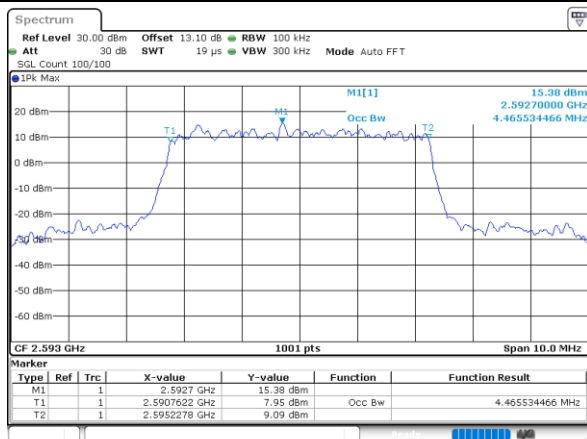
Date: 17.JAN.2021 08:35:23

## Middle Channel / 20MHz / 16QAM



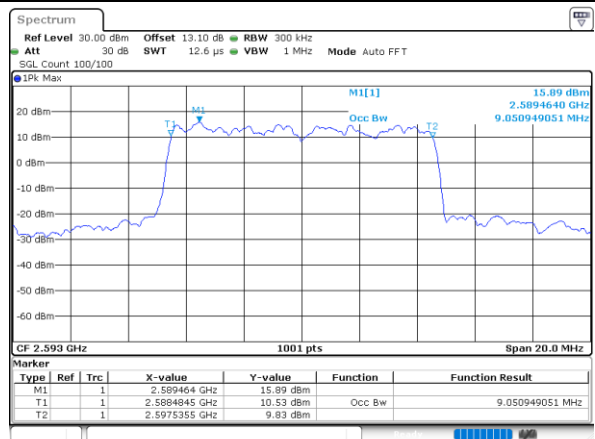
Date: 17.JAN.2021 08:35:34

## Middle Channel / 5MHz / 64QAM



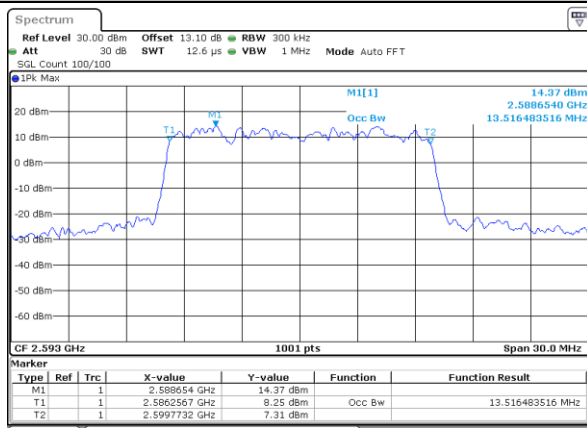
Date: 17.JAN.2021 08:36:08

## Middle Channel / 10MHz / 64QAM



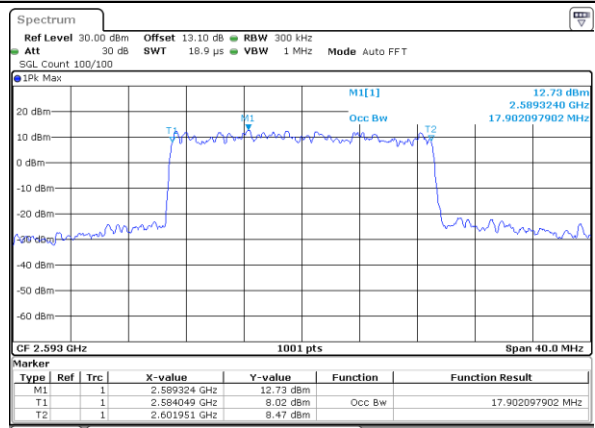
Date: 17.JAN.2021 08:36:31

## Middle Channel / 15MHz / 64QAM



Date: 17.JAN.2021 08:36:54

## Middle Channel / 20MHz / 64QAM



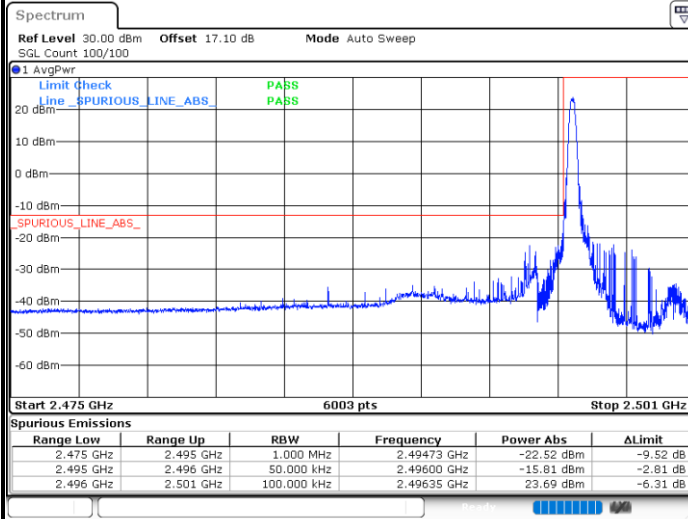
Date: 17.JAN.2021 08:37:17



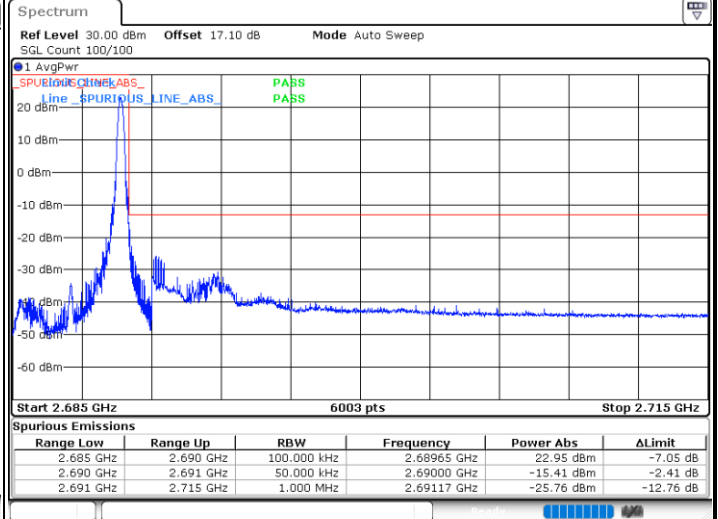
# Conducted Band Edge

## LTE Band 41 / 5MHz / QPSK

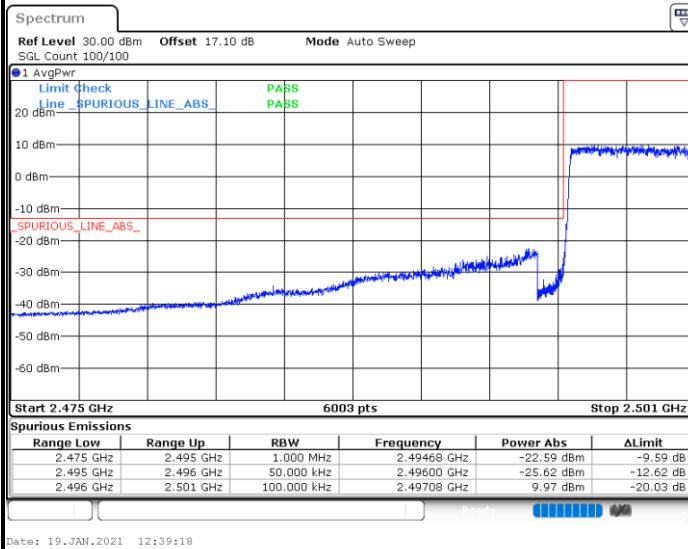
### Lowest Band Edge / 1 RB



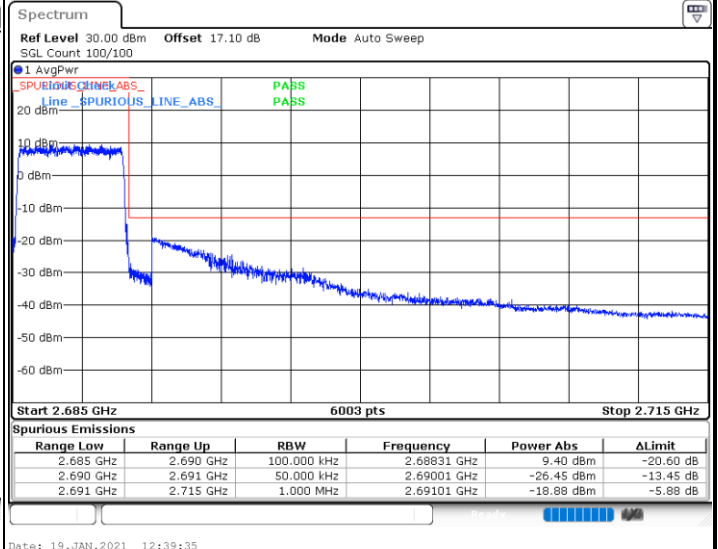
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



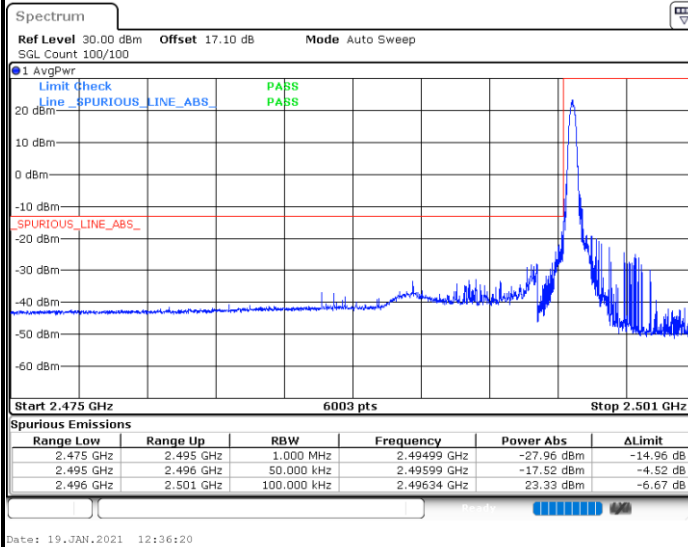
### Highest Band Edge / Full RB



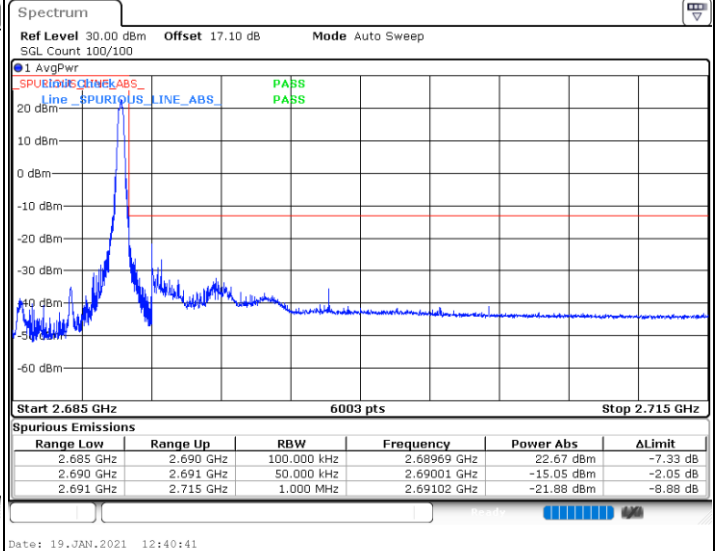


## LTE Band 41 / 5MHz / 16QAM

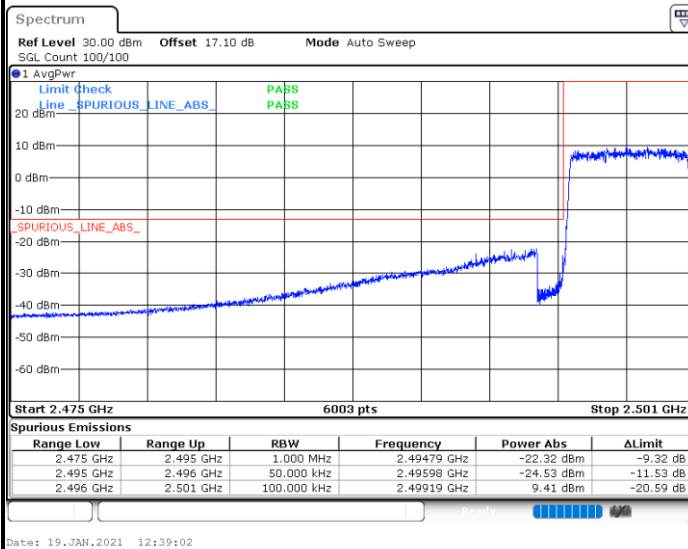
## Lowest Band Edge / 1RB



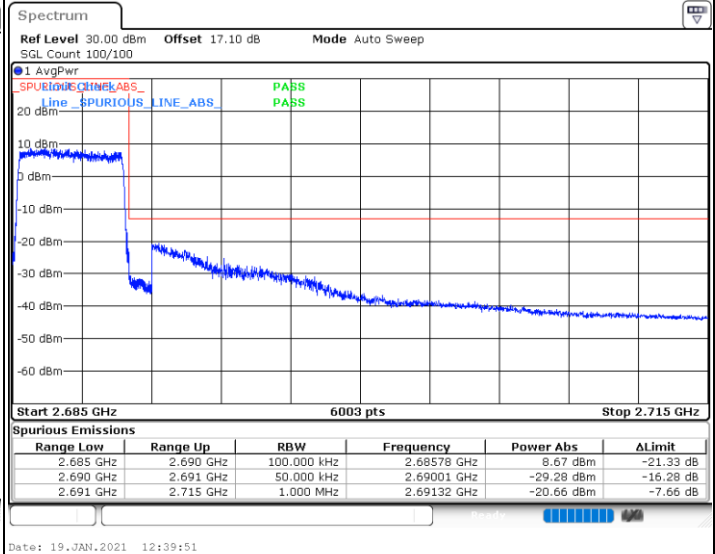
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



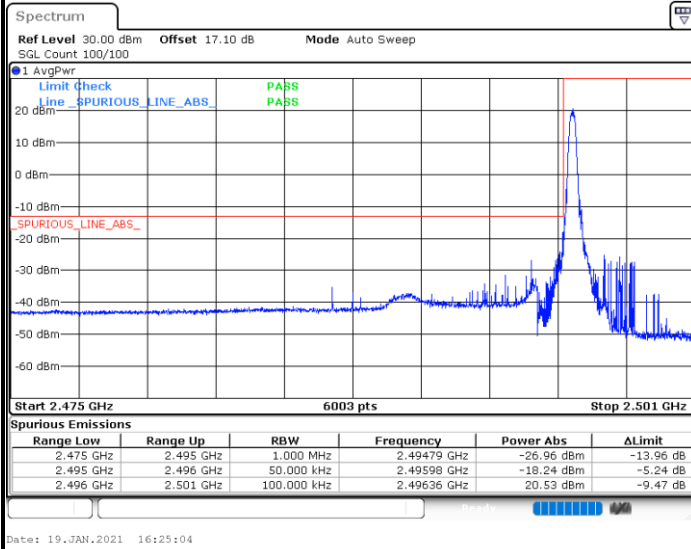
## Highest Band Edge / Full RB



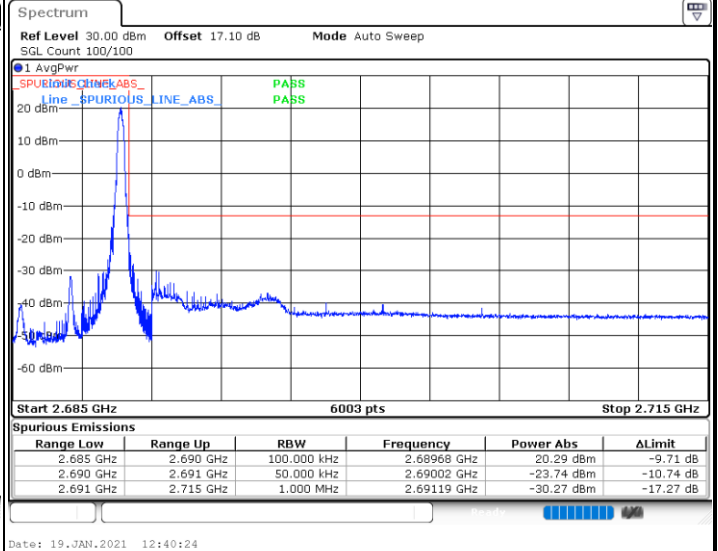


## LTE Band 41 / 5MHz / 64QAM

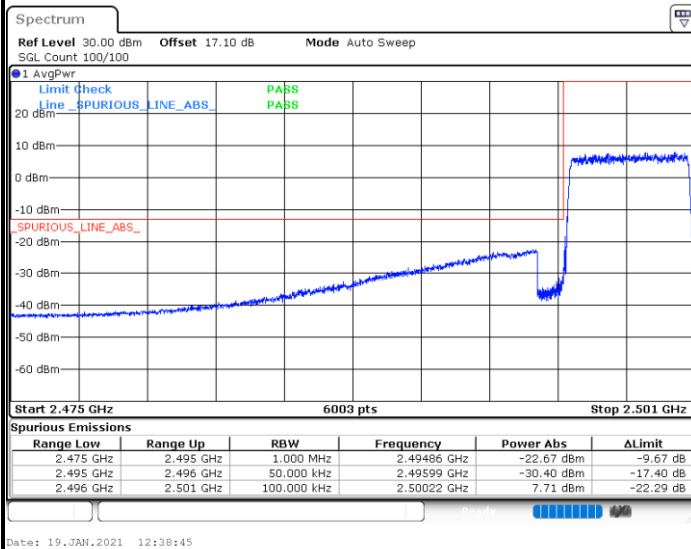
## Lowest Band Edge / 1RB



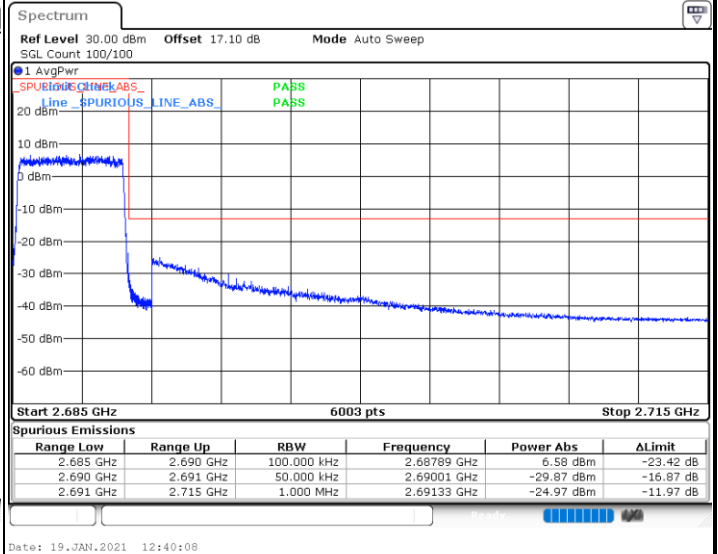
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



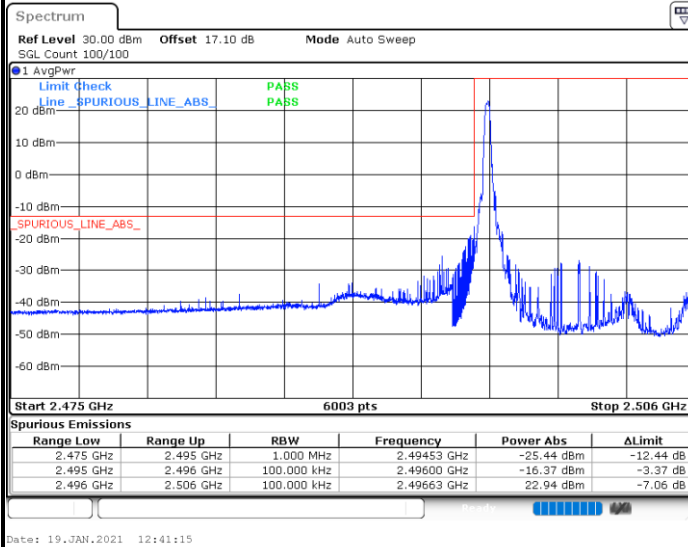
## Highest Band Edge / Full RB



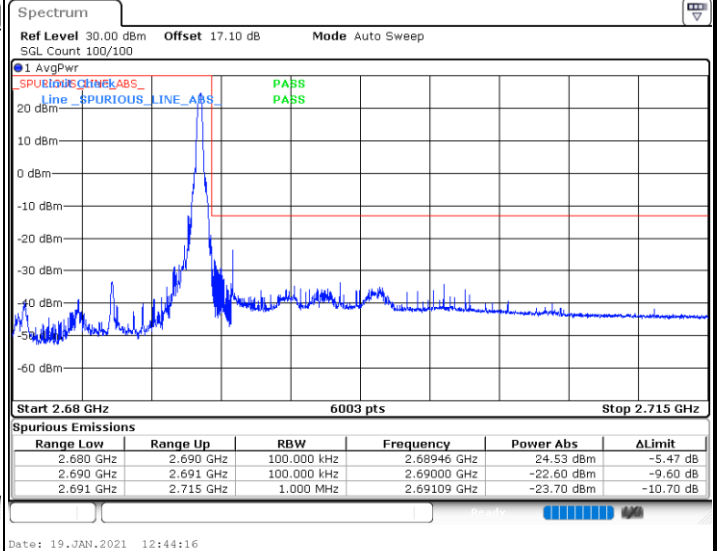


## LTE Band 41 / 10MHz / QPSK

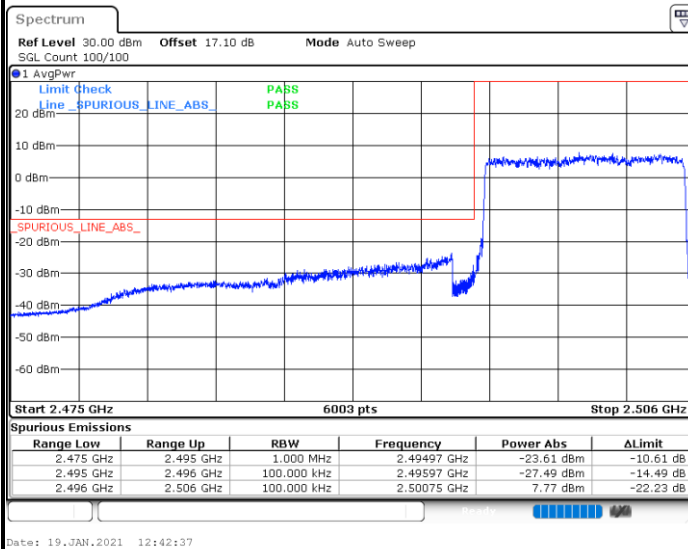
## Lowest Band Edge / 1 RB



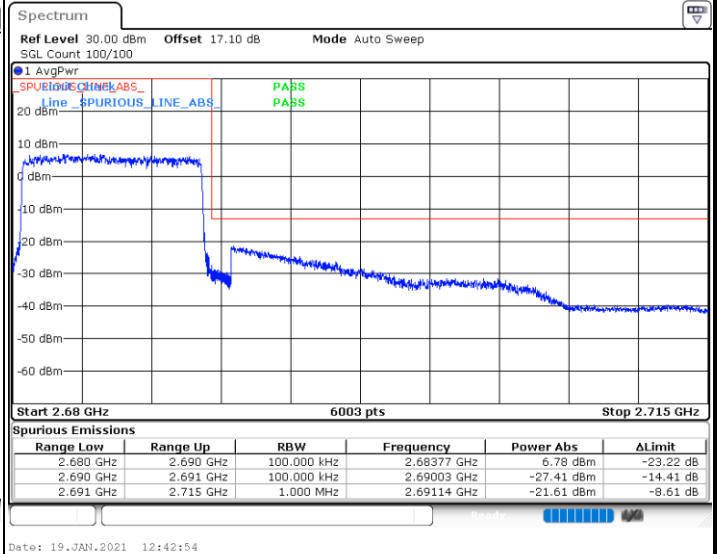
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



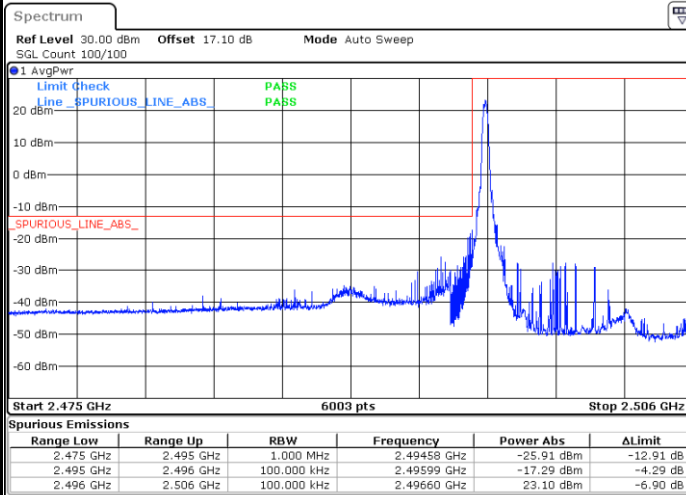
## Highest Band Edge / Full RB



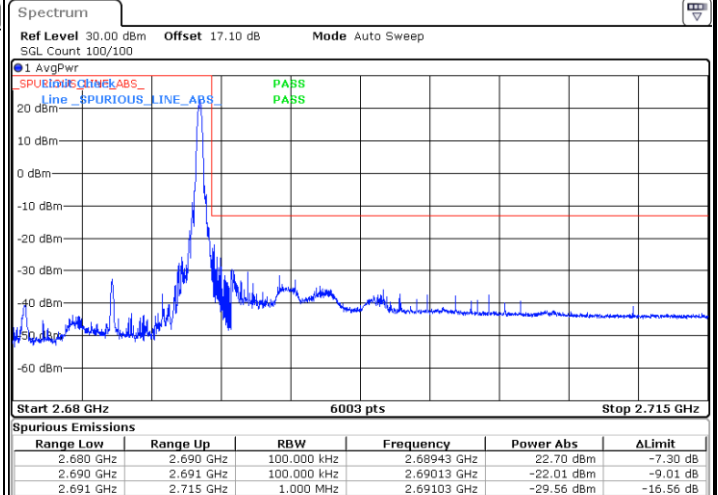


## LTE Band 41 / 10MHz / 16QAM

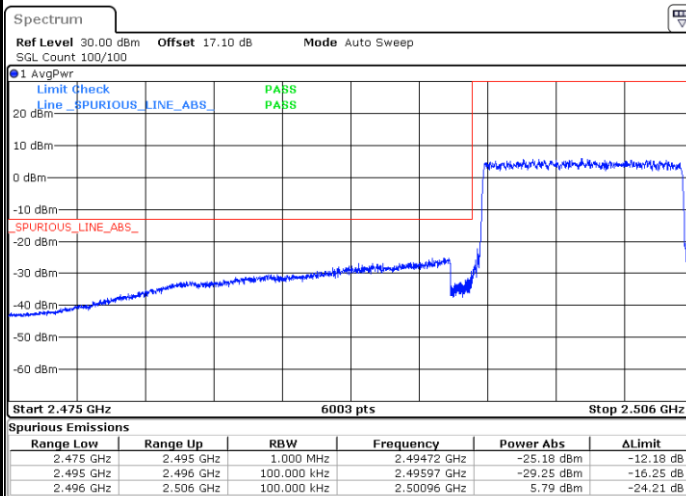
## Lowest Band Edge / 1 RB



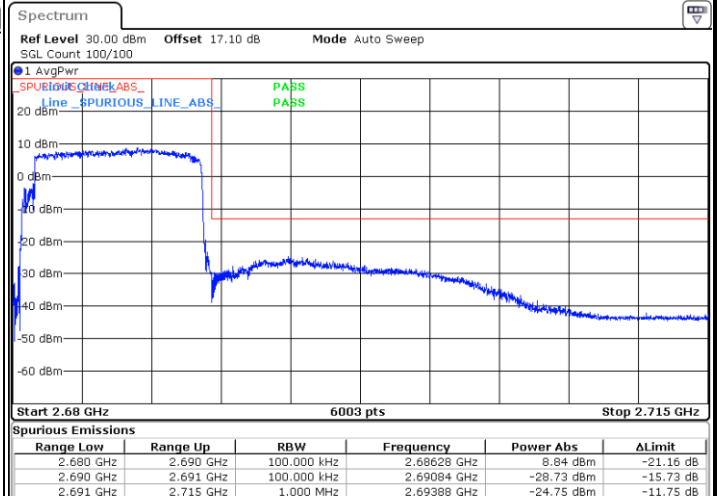
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



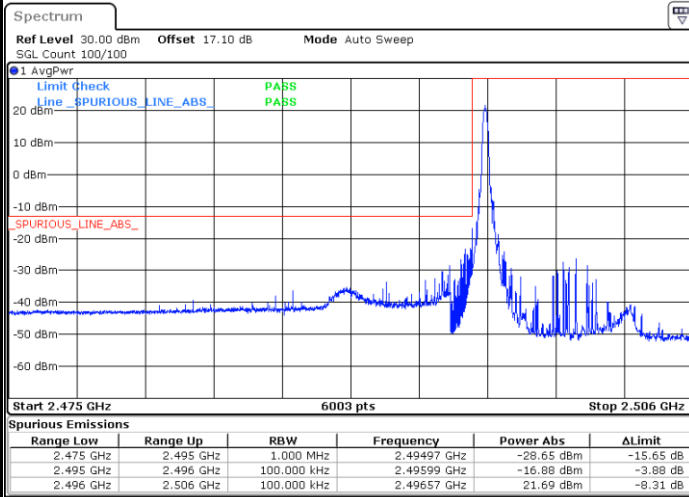
## Highest Band Edge / Full RB



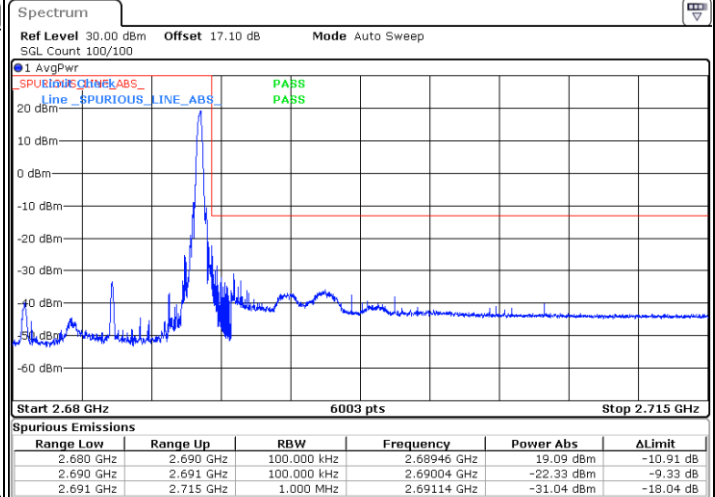


## LTE Band 41 / 10MHz / 64QAM

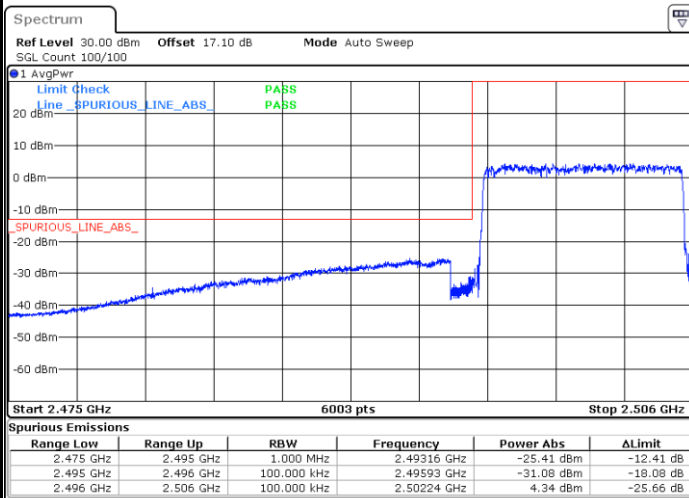
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

