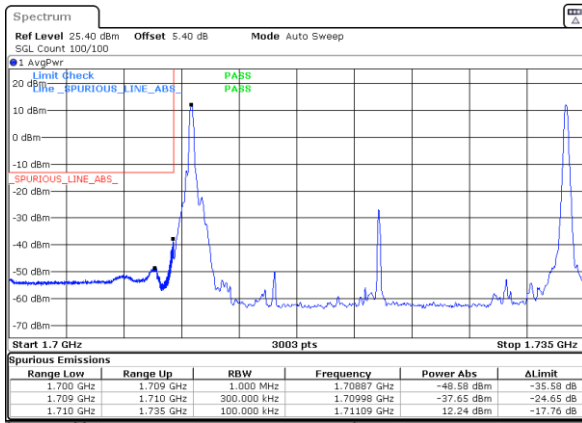




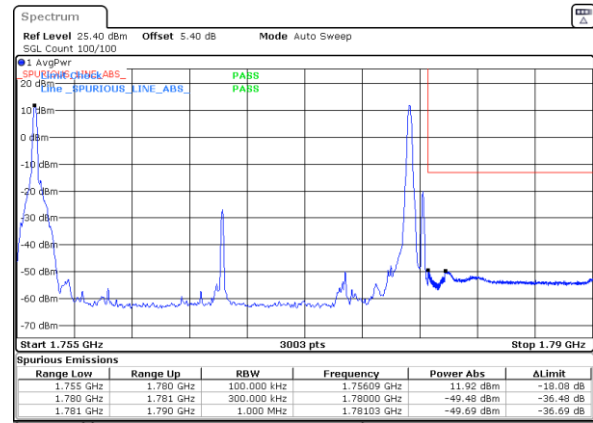
## LTE Band 66C / 20MHz+5MHz

## 16QAM

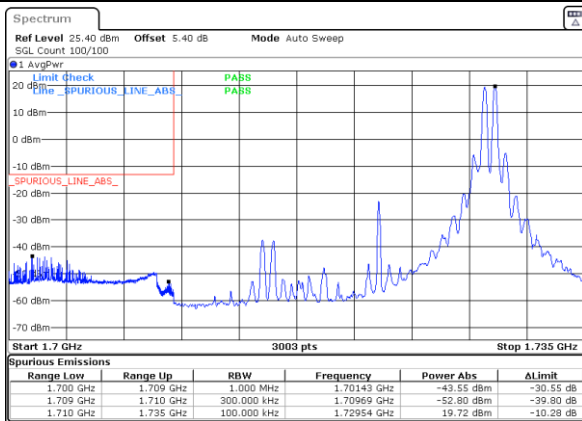
## Lowest Band Edge / 1RB0 and 1RB24



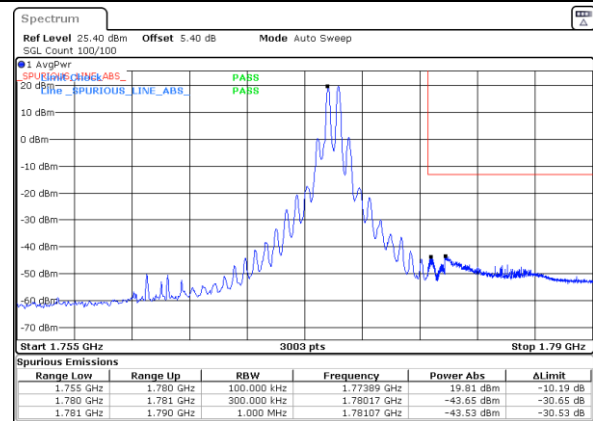
## Highest Band Edge / 1RB0 and 1RB24



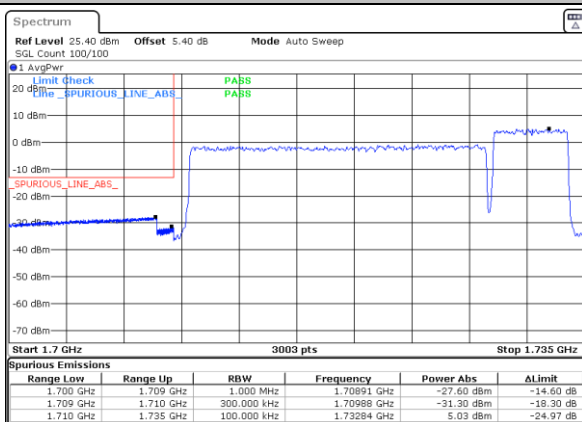
## Lowest Band Edge / 1RB99 and 1RB0



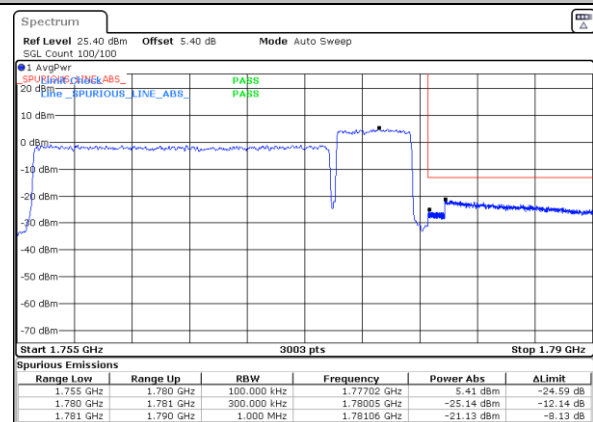
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

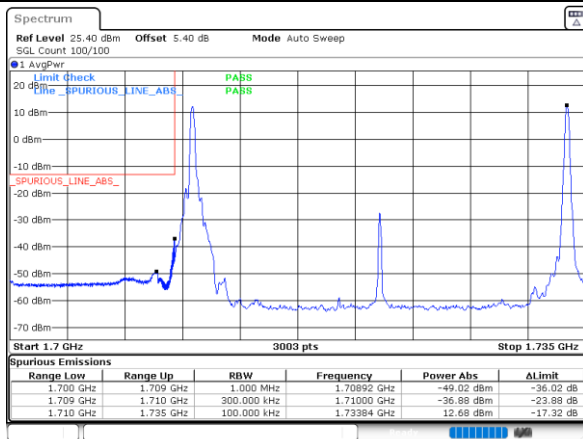




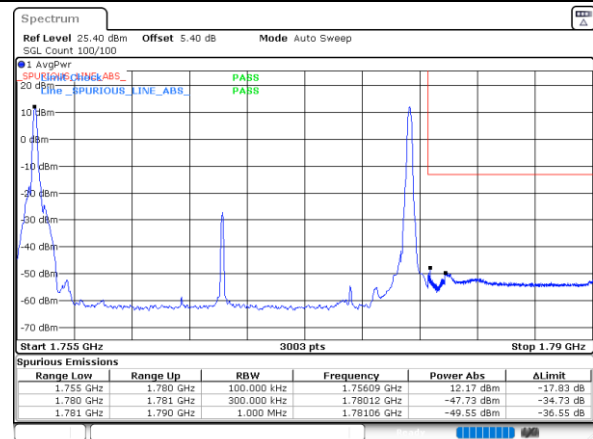
## LTE Band 66C / 20MHz+5MHz

## 64QAM

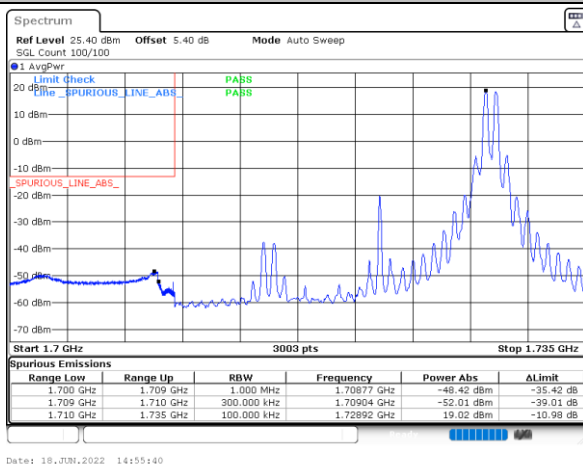
## Lowest Band Edge / 1RB0 and 1RB24



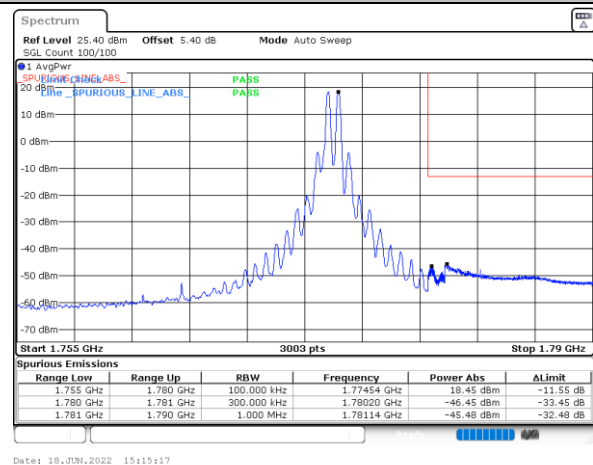
## Highest Band Edge / 1RB0 and 1RB24



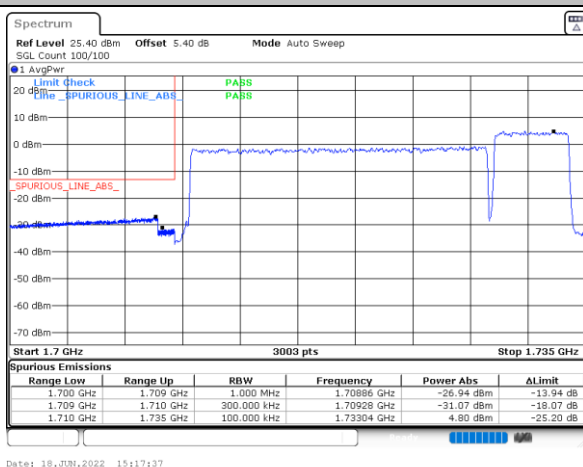
## Lowest Band Edge / 1RB99 and 1RB0



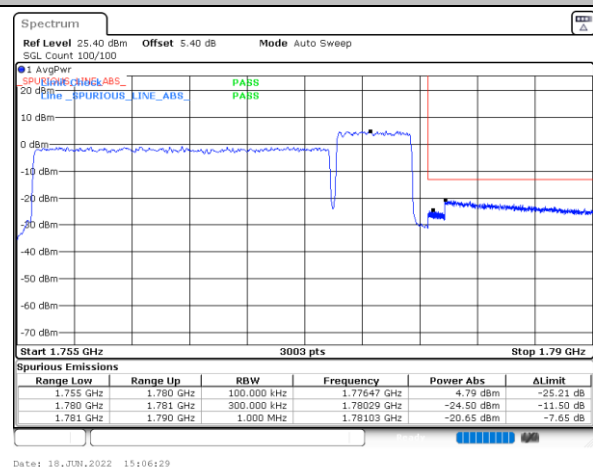
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

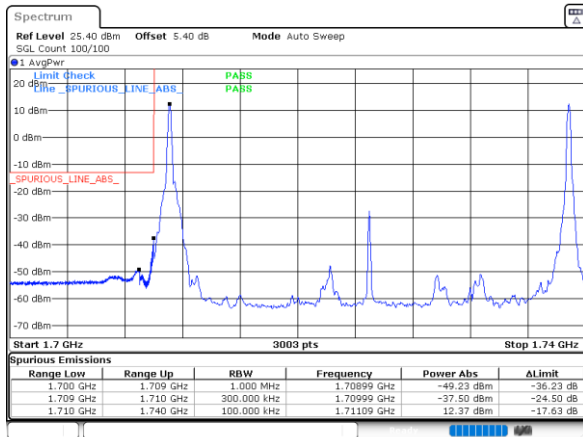




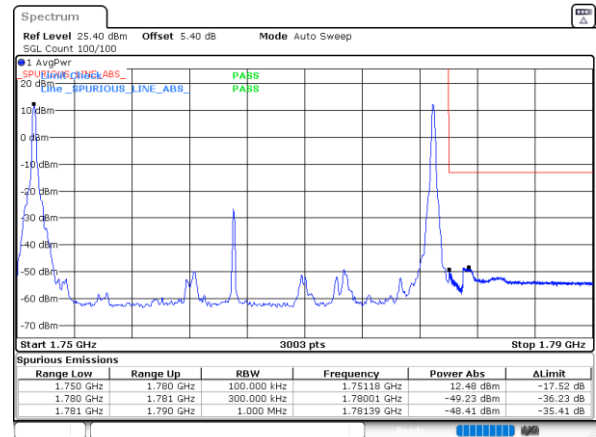
## LTE Band 66C / 20MHz+10MHz

## QPSK

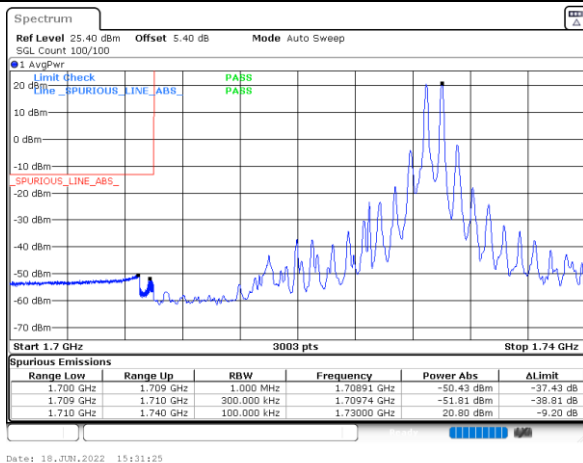
## Lowest Band Edge / 1RB0 and 1RB49



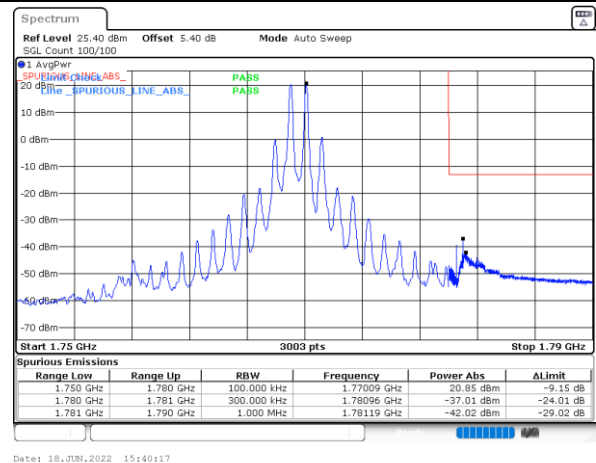
## Highest Band Edge / 1RB0 and 1RB49



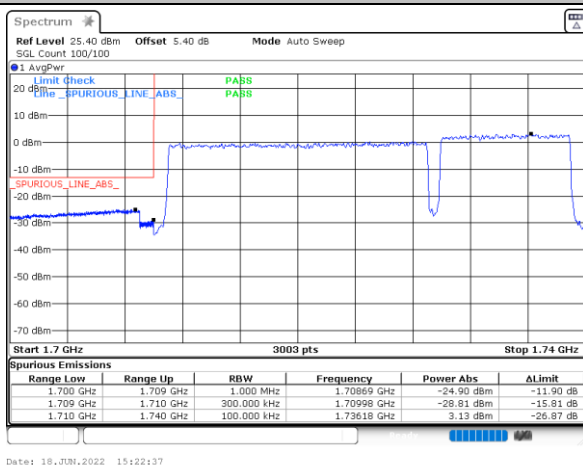
## Lowest Band Edge / 1RB99 and 1RB0



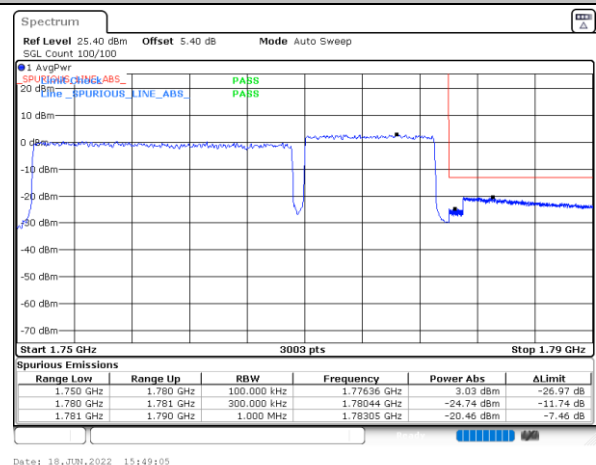
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

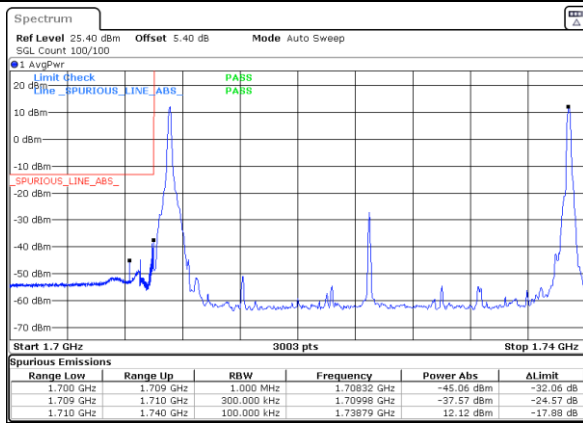




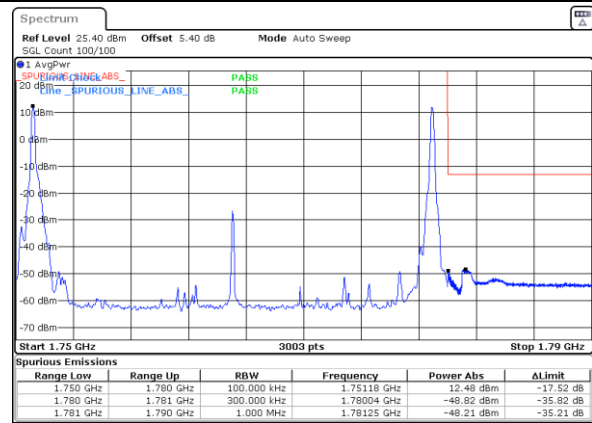
## LTE Band 66C / 20MHz+10MHz

## 16QAM

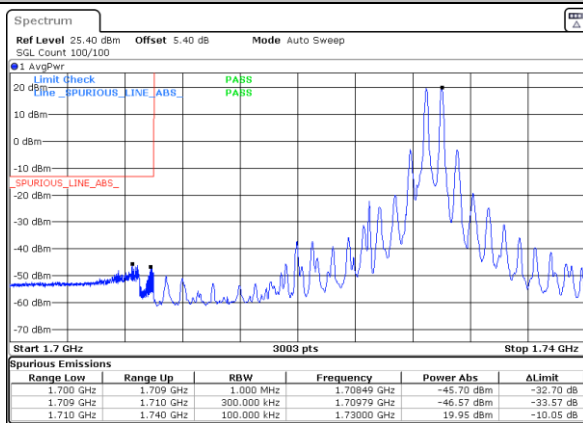
## Lowest Band Edge / 1RB0 and 1RB49



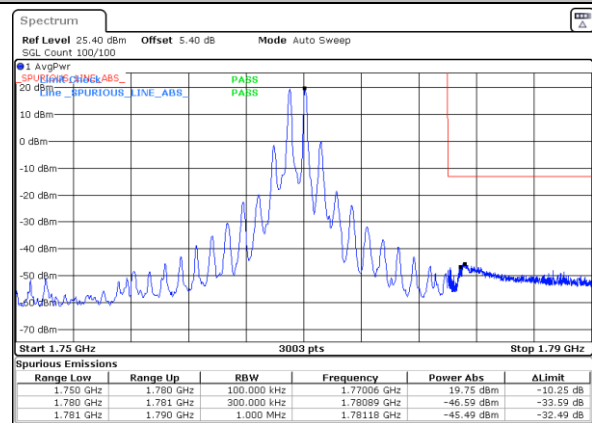
## Highest Band Edge / 1RB0 and 1RB49



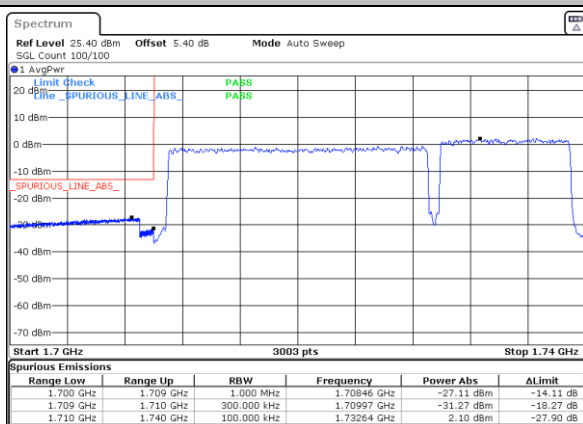
## Lowest Band Edge / 1RB99 and 1RB0



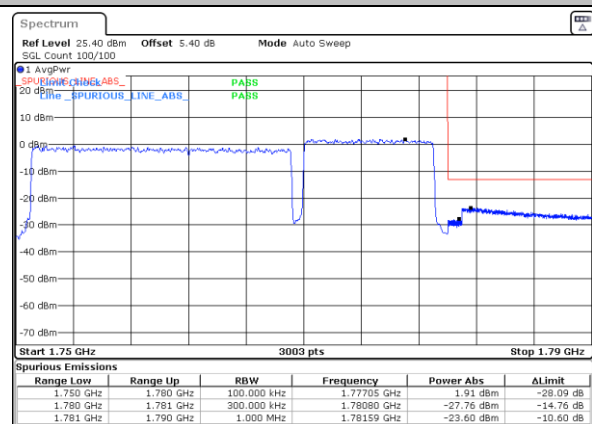
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

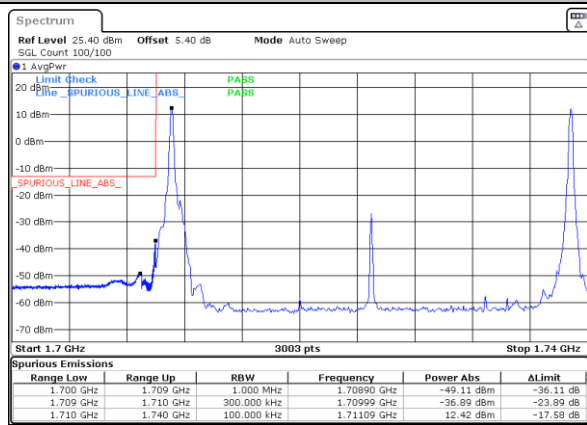




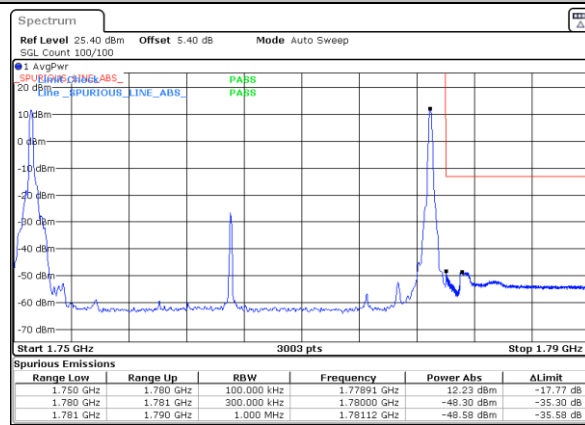
## LTE Band 66C / 20MHz+10MHz

## 64QAM

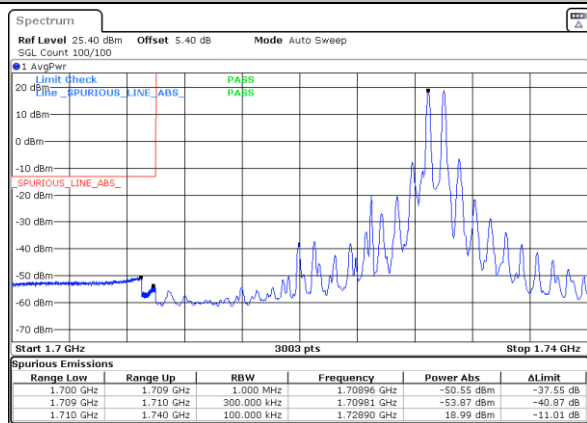
## Lowest Band Edge / 1RB0 and 1RB49



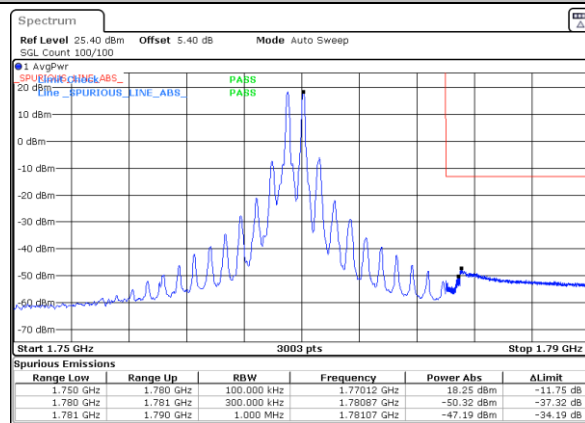
## Highest Band Edge / 1RB0 and 1RB49



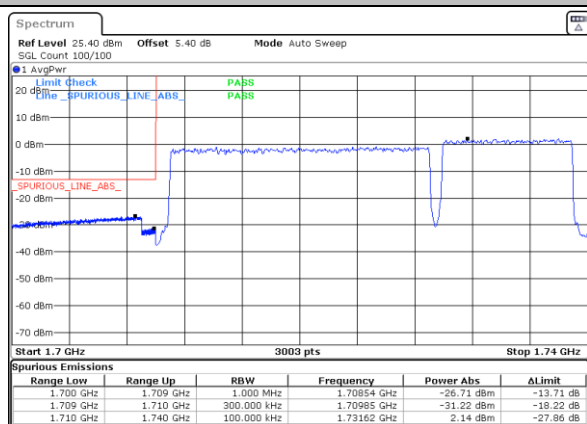
## Lowest Band Edge / 1RB99 and 1RB0



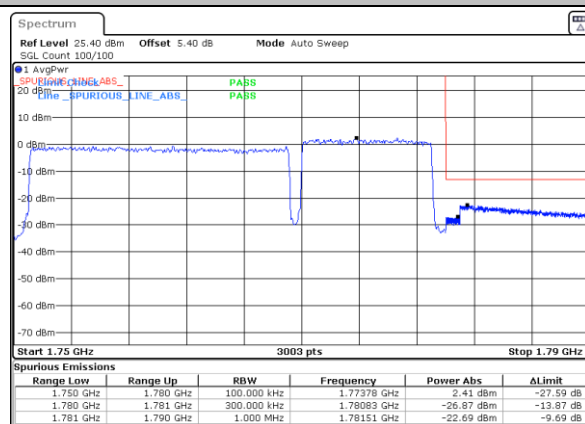
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

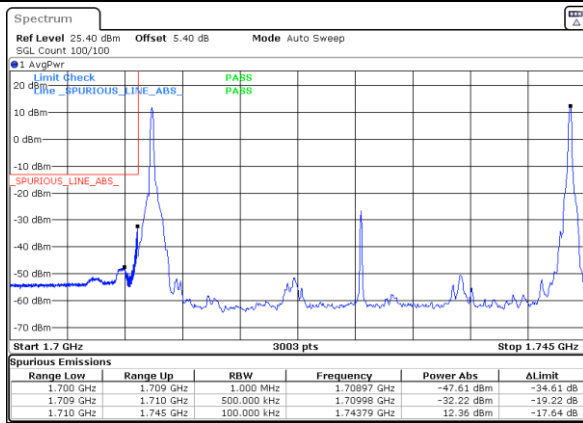




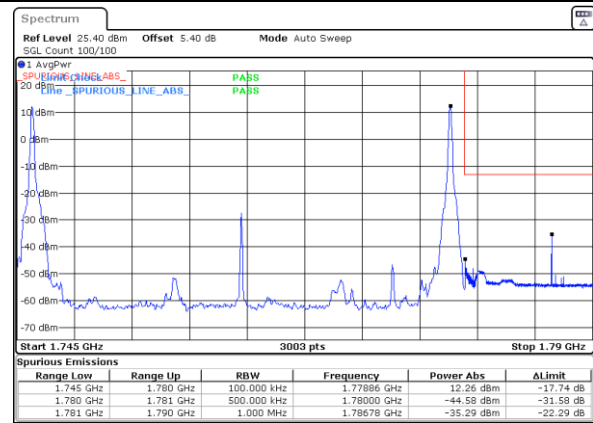
## LTE Band 66C / 20MHz+15MHz

## QPSK

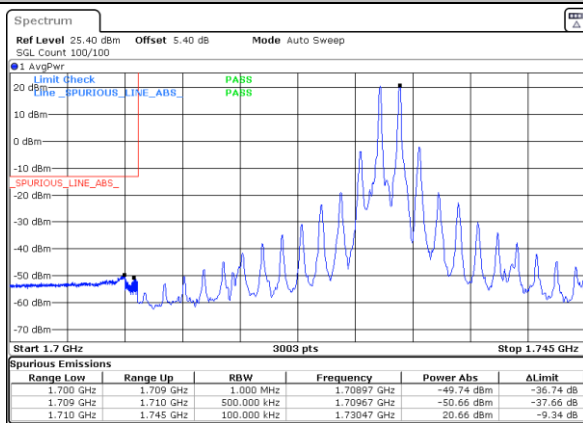
## Lowest Band Edge / 1RB0 and 1RB74



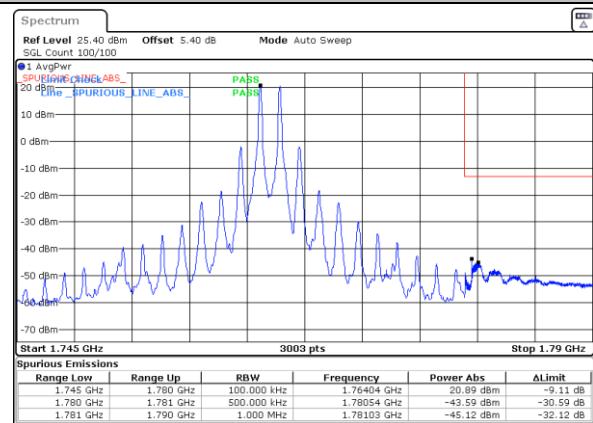
## Highest Band Edge / 1RB0 and 1RB74



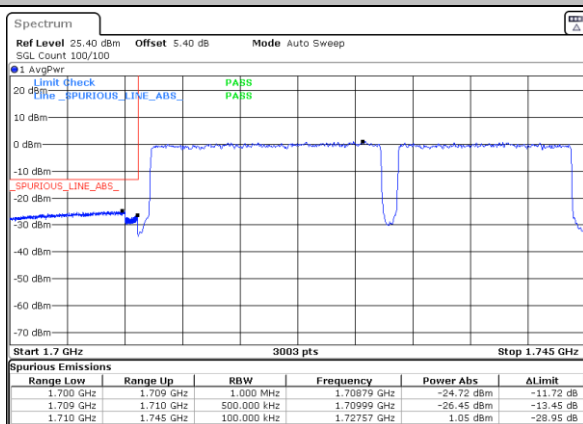
## Lowest Band Edge / 1RB99 and 1RB0



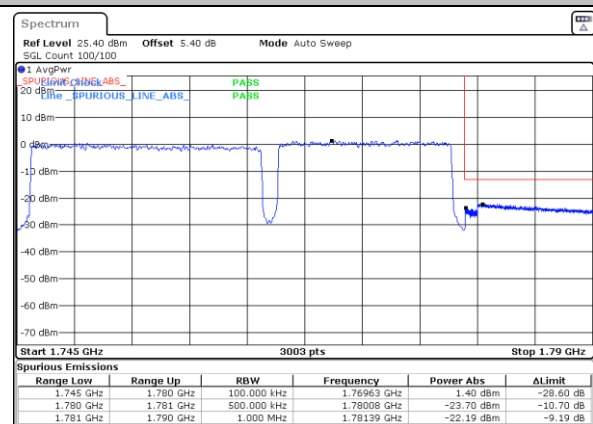
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

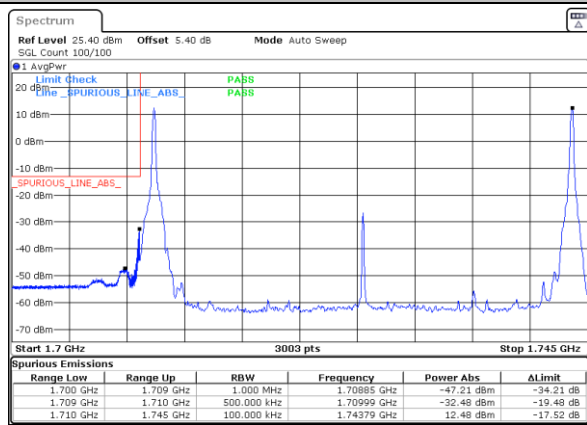




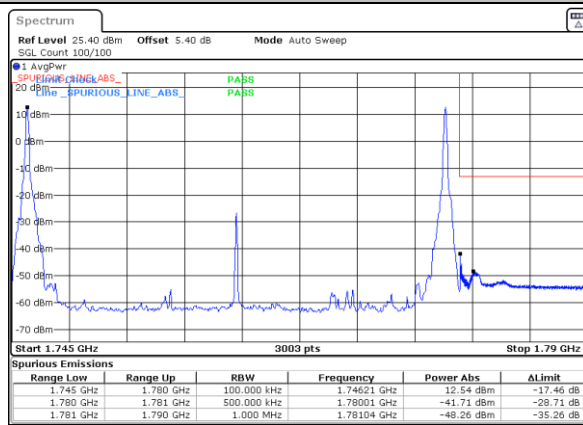
## LTE Band 66C / 20MHz+15MHz

## 16QAM

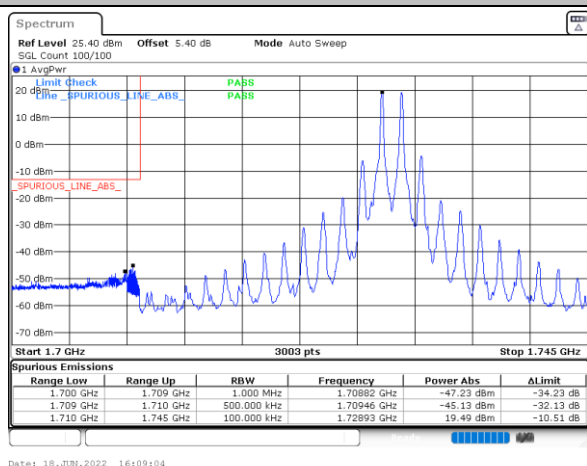
## Lowest Band Edge / 1RB0 and 1RB74



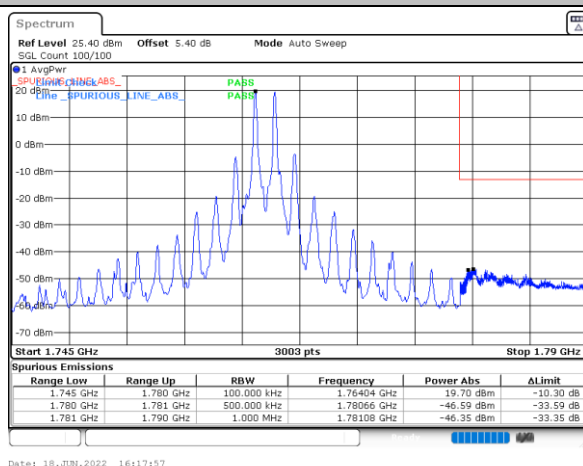
## Highest Band Edge / 1RB0 and 1RB74



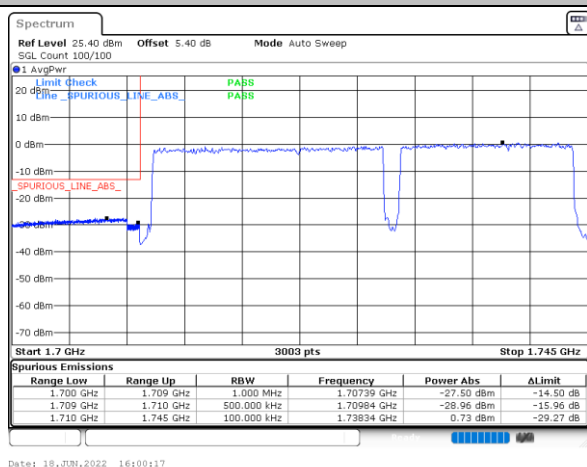
## Lowest Band Edge / 1RB99 and 1RB0



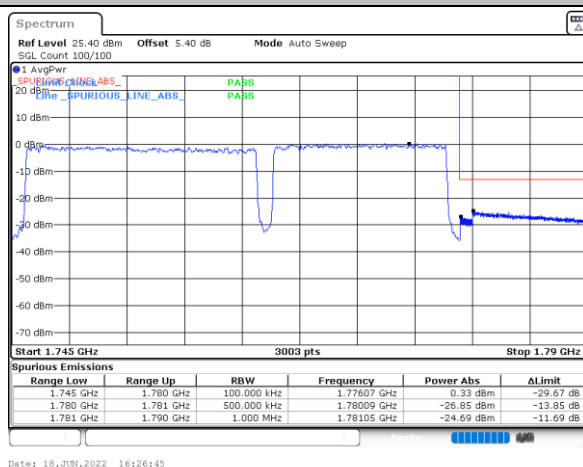
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

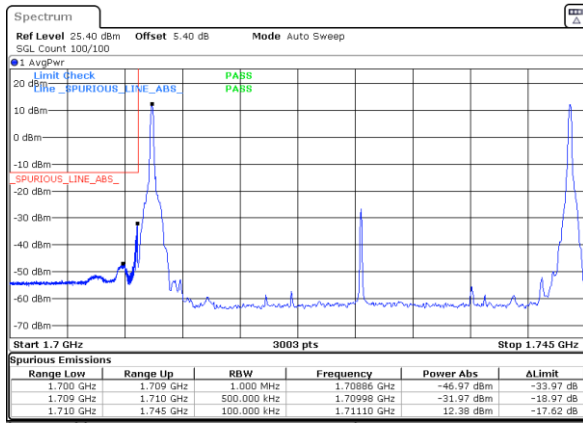




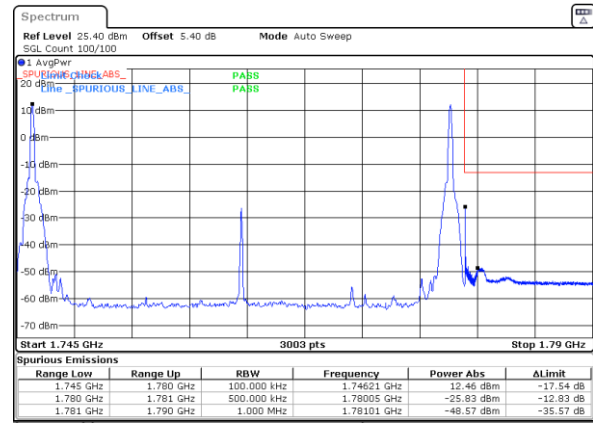
## LTE Band 66C / 20MHz+15MHz

## 64QAM

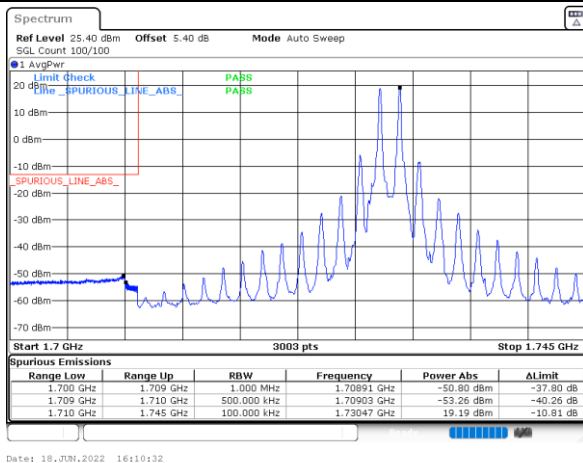
## Lowest Band Edge / 1RB0 and 1RB74



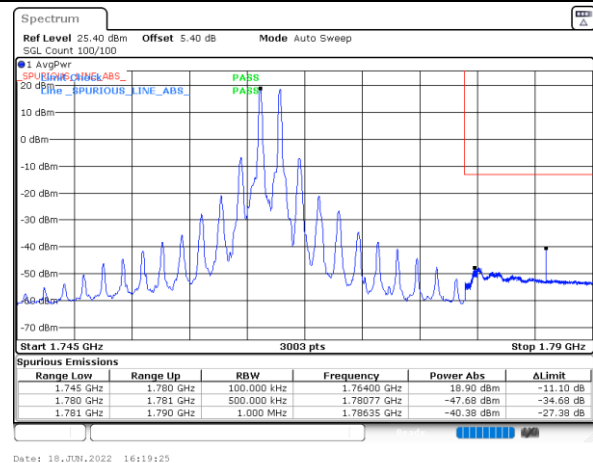
## Highest Band Edge / 1RB0 and 1RB74



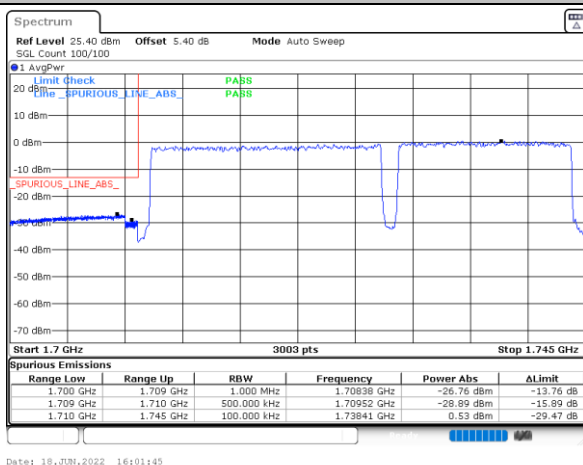
## Lowest Band Edge / 1RB99 and 1RB0



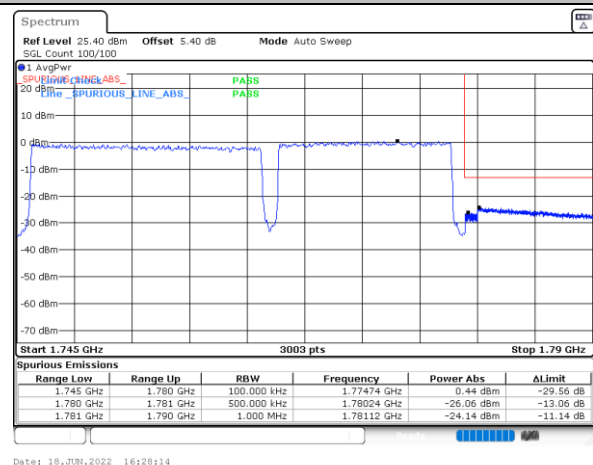
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

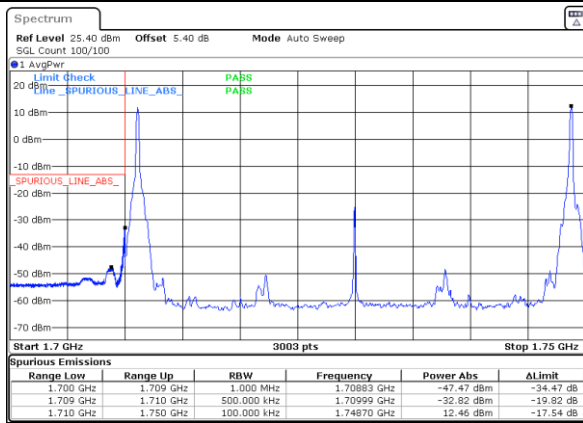




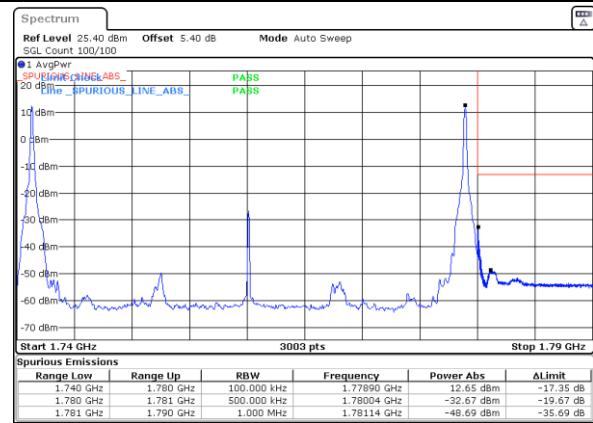
## LTE Band 66C / 20MHz+20MHz

## QPSK

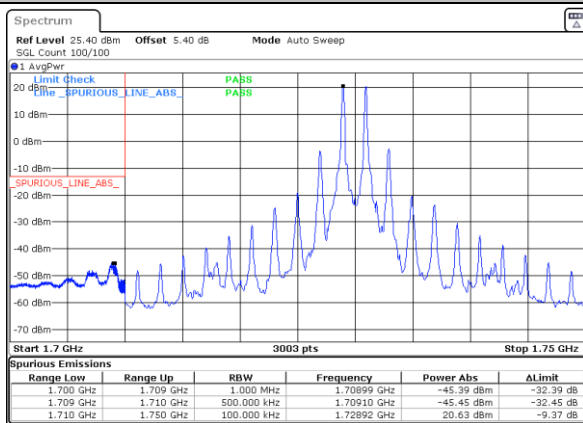
## Lowest Band Edge / 1RB0 and 1RB99



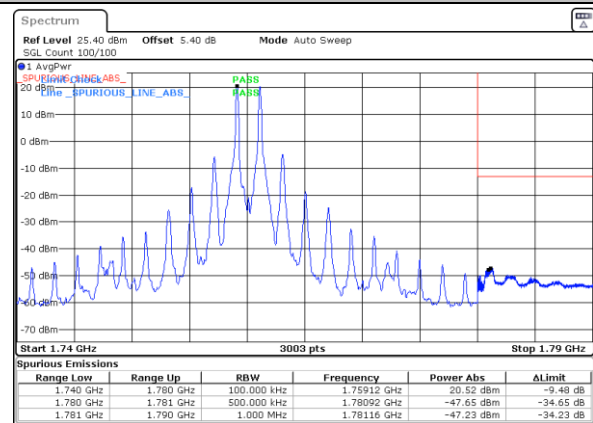
## Highest Band Edge / 1RB0 and 1RB99



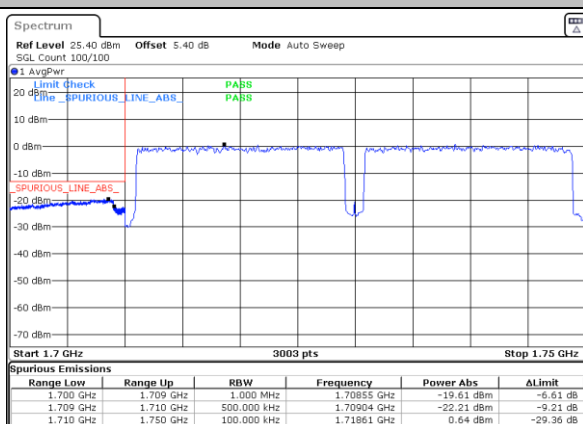
## Lowest Band Edge / 1RB99 and 1RB0



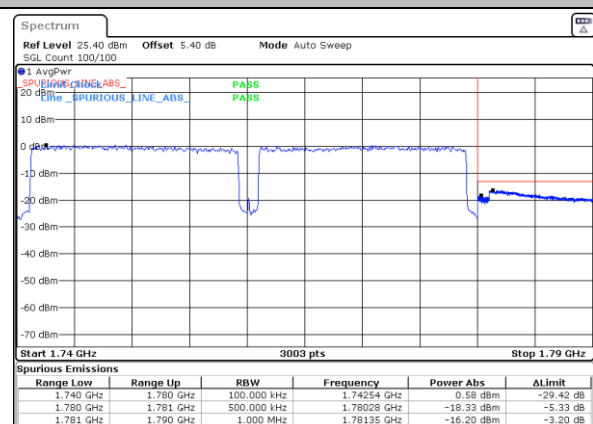
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

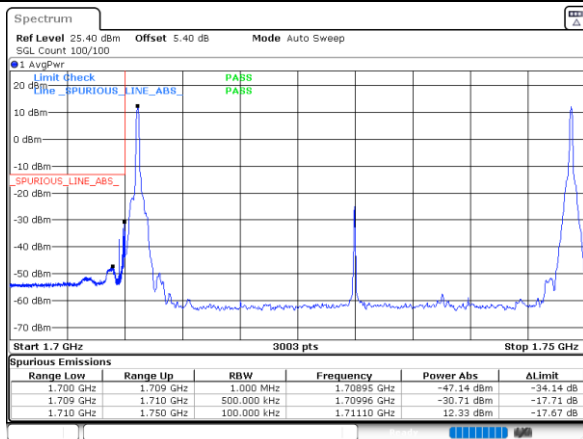




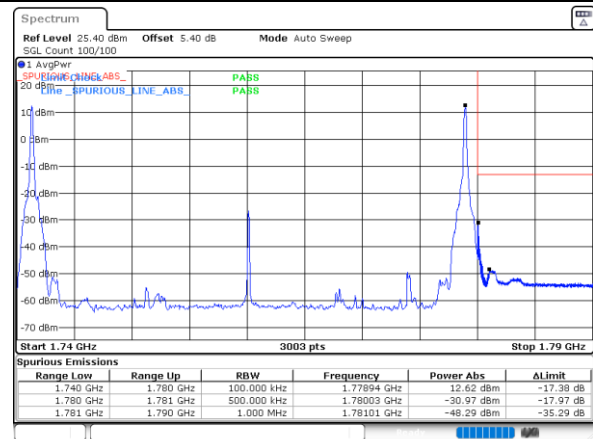
## LTE Band 66C / 20MHz+20MHz

## 16QAM

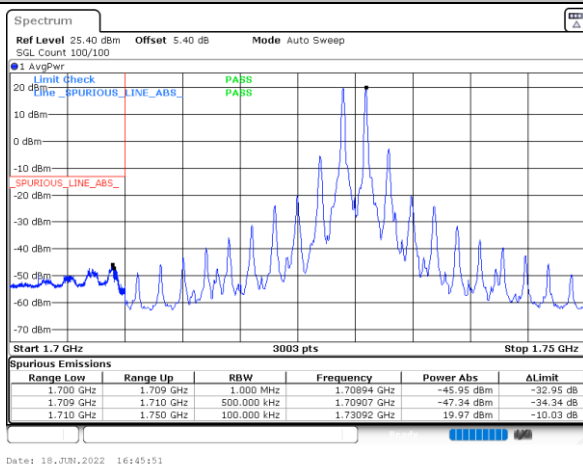
## Lowest Band Edge / 1RB0 and 1RB99



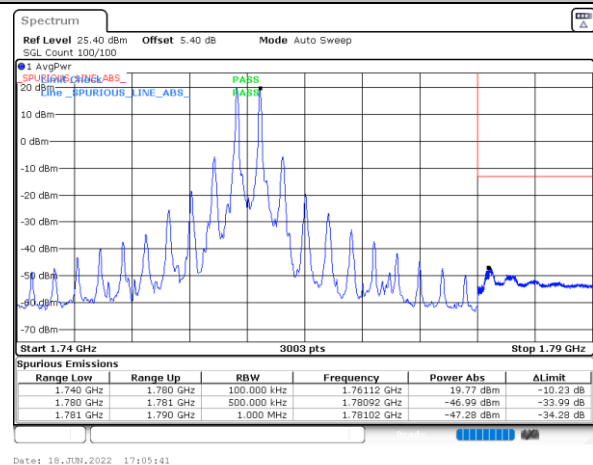
## Highest Band Edge / 1RB0 and 1RB99



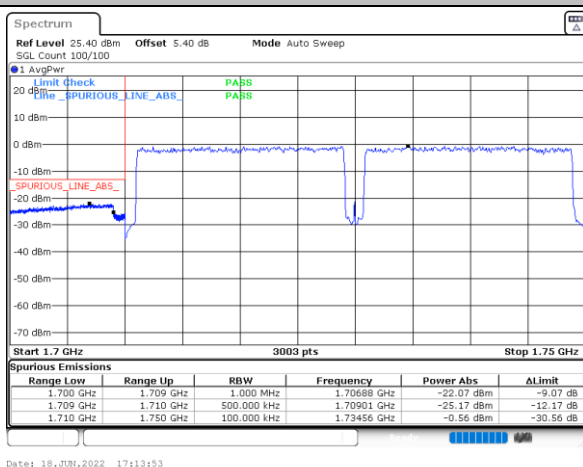
## Lowest Band Edge / 1RB99 and 1RB0



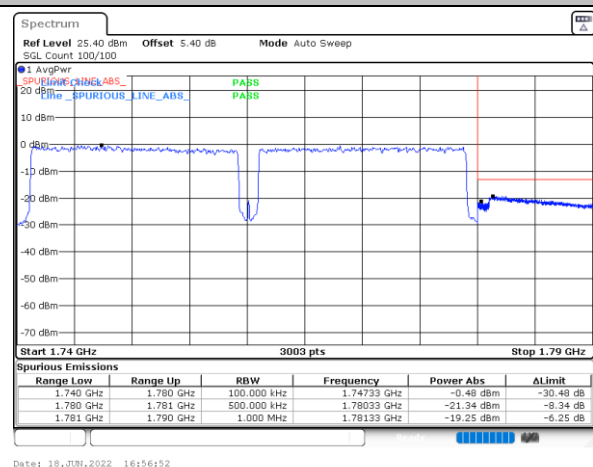
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

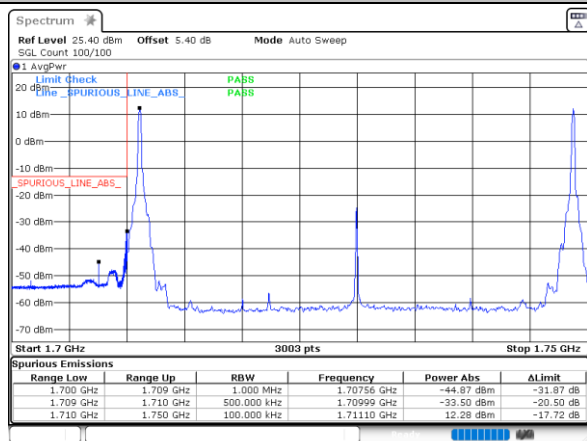




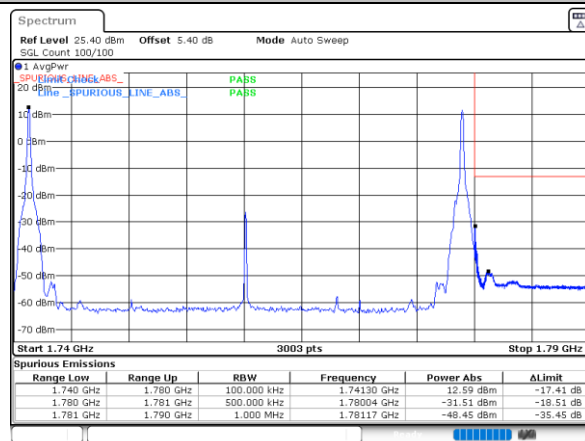
## LTE Band 66C / 20MHz+20MHz

## 64QAM

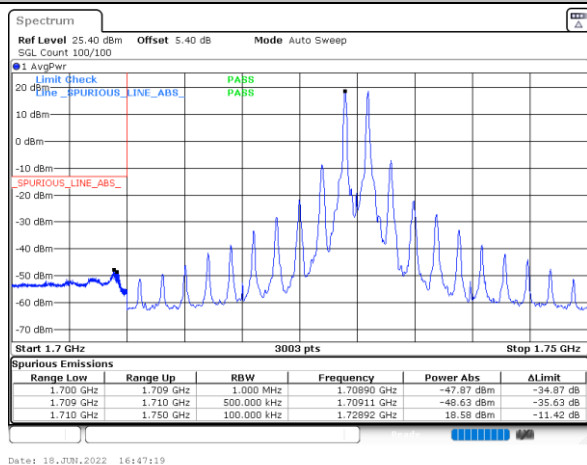
## Lowest Band Edge / 1RB0 and 1RB99



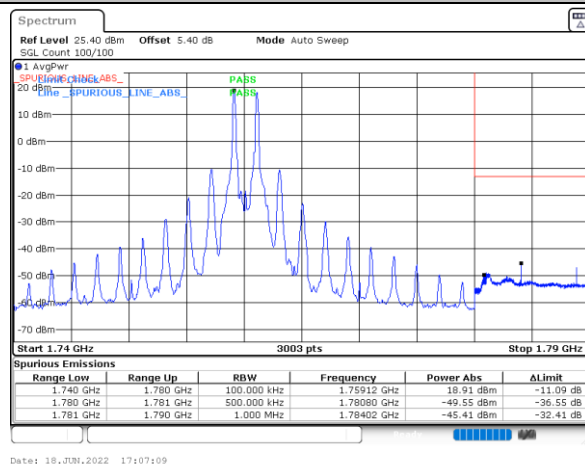
## Highest Band Edge / 1RB0 and 1RB99



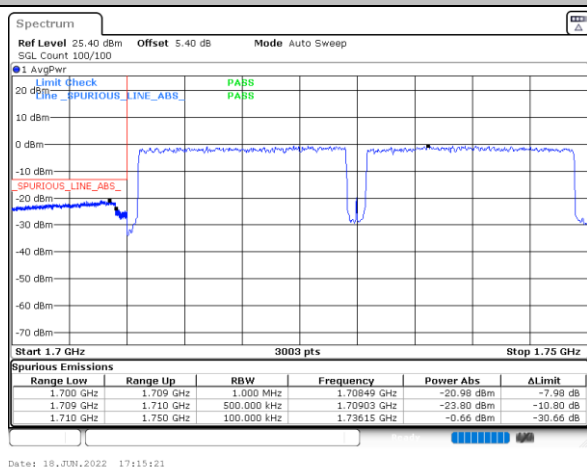
## Lowest Band Edge / 1RB99 and 1RB0



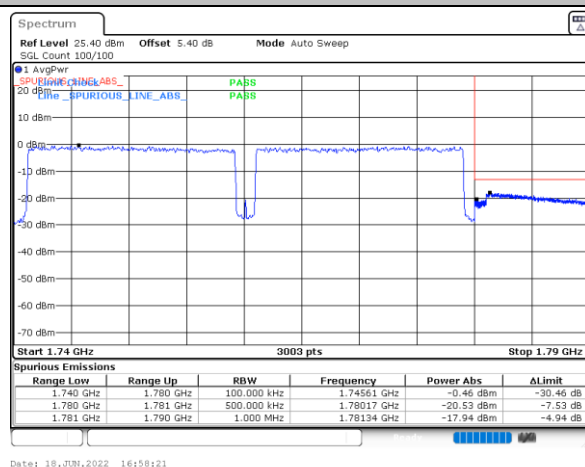
## Highest Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB

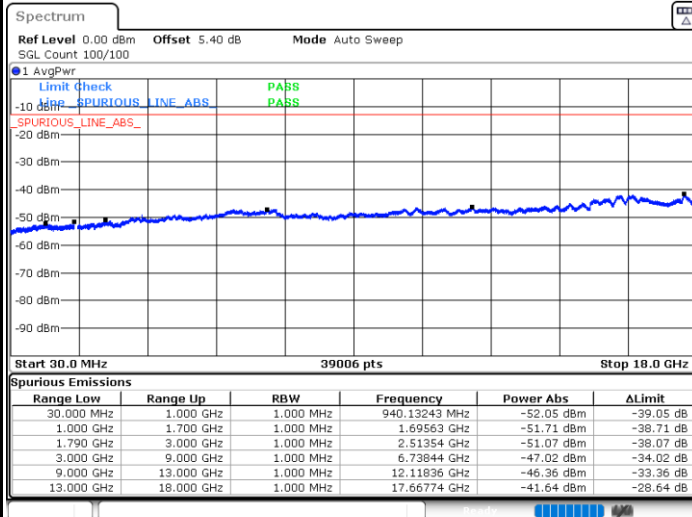


## Highest Band Edge / Full RB

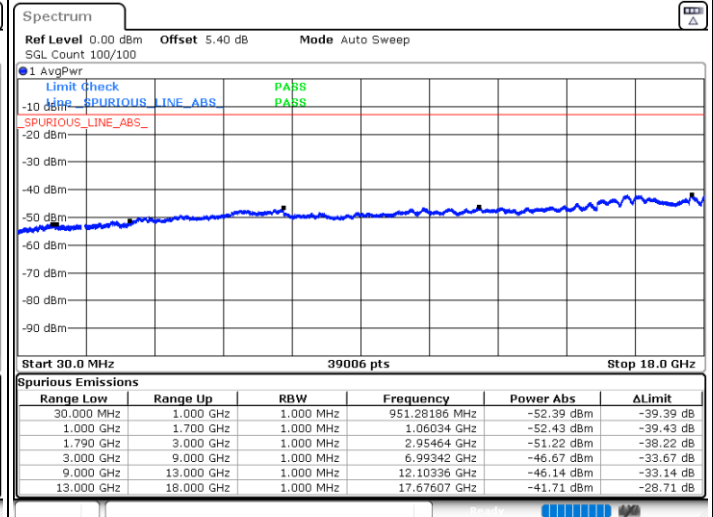




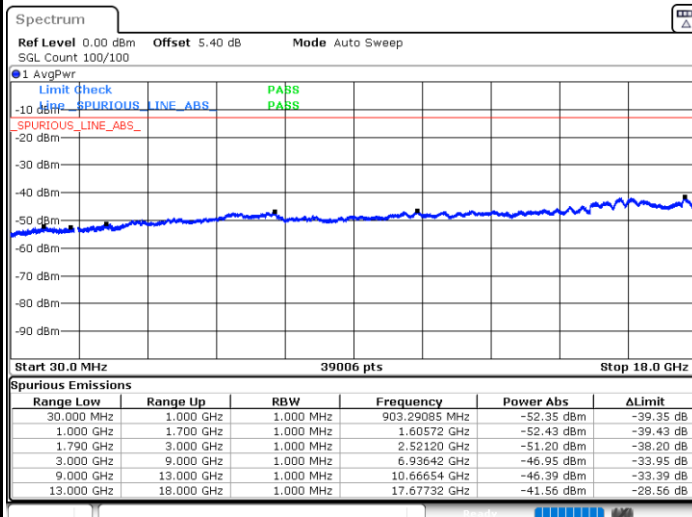
## **Conducted Spurious Emission**

LTE Band 66C / 5MHz+20MHz QPSK Lowest  
Channel / 1RB24 and 1RB0

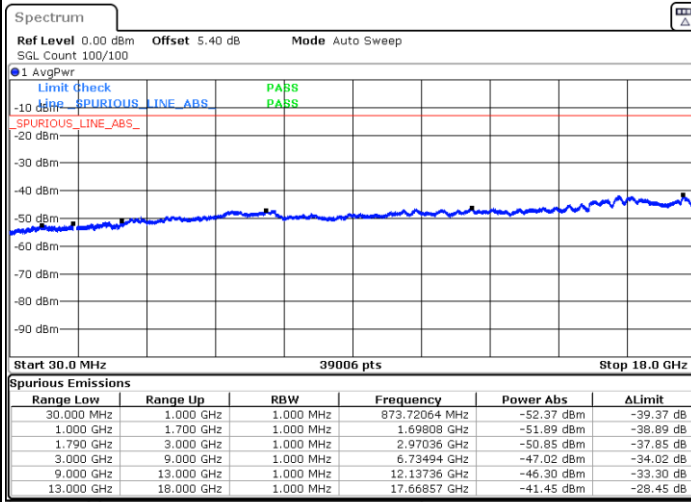
Date: 18.JUN.2022 12:02:24

LTE Band 66C / 5MHz+20MHz QPSK Middle Channel  
/ 1RB24 and 1RB0

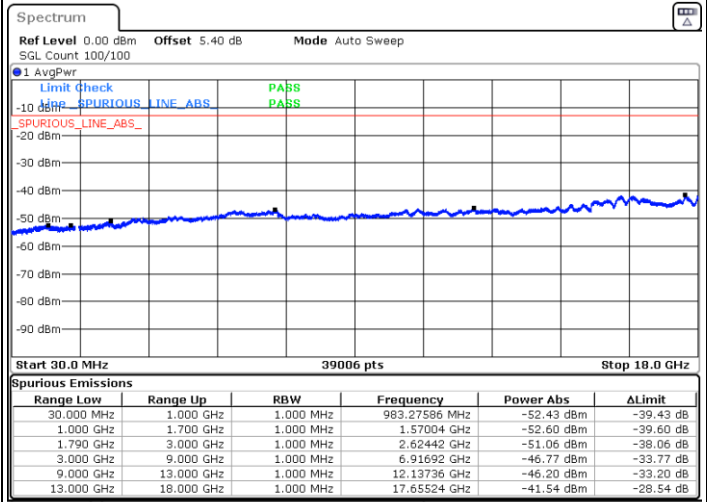
Date: 18.JUN.2022 12:00:54

LTE Band 66C / 5MHz+20MHz QPSK Highest  
Channel / 1RB24 and 1RB0

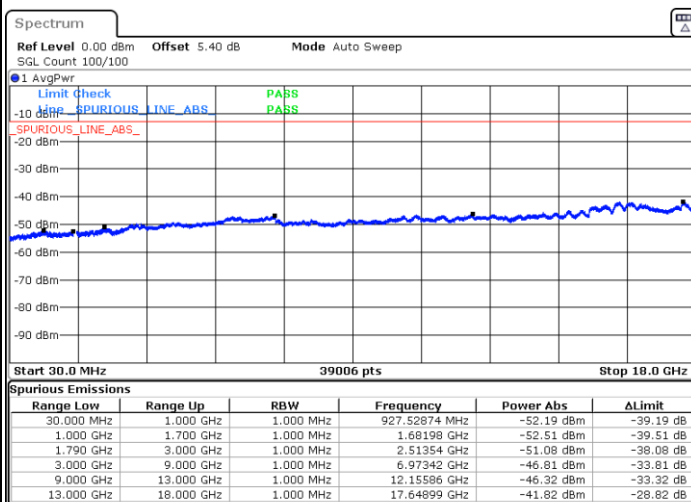
Date: 18.JUN.2022 11:59:23

LTE Band 66C / 10MHz+15MHz QPSK Lowest  
Channel / 1RB24 and 1RB0LTE Band 66C / 10MHz+15MHz QPSK Middle  
Channel / 1RB24 and 1RB0

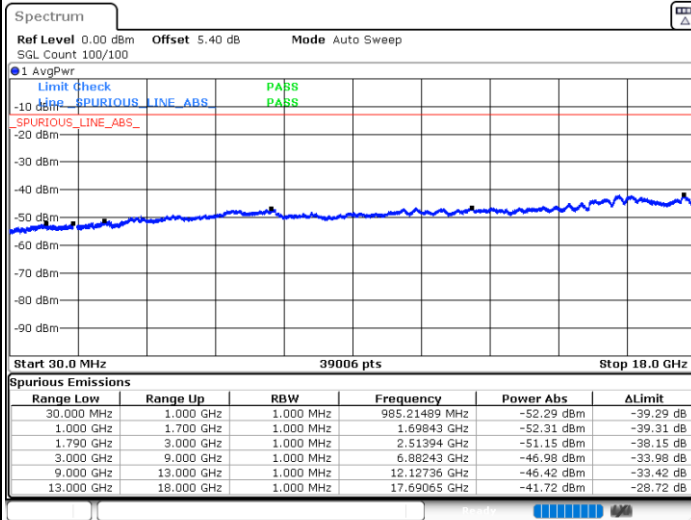
Date: 18.JUN.2022 12:04:41



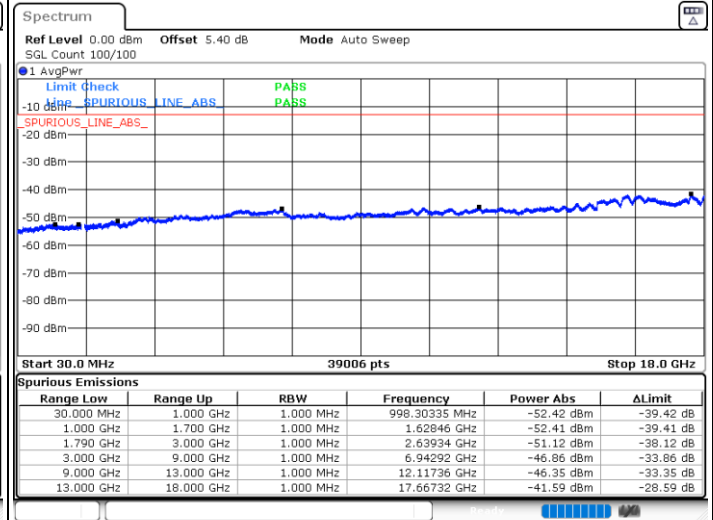
Date: 18.JUN.2022 12:06:16

LTE Band 66C / 10MHz+15MHz QPSK Highest  
Channel / 1RB24 and 1RB0

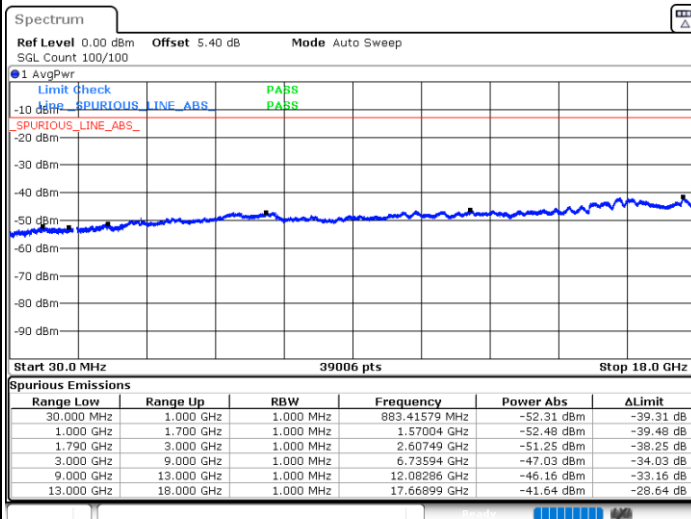
Date: 18.JUN.2022 12:07:57

LTE Band 66C / 10MHz+20MHz QPSK Lowest  
Channel / 1RB49 and 1RB0LTE Band 66C / 10MHz+20MHz QPSK Middle  
Channel / 1RB49 and 1RB0

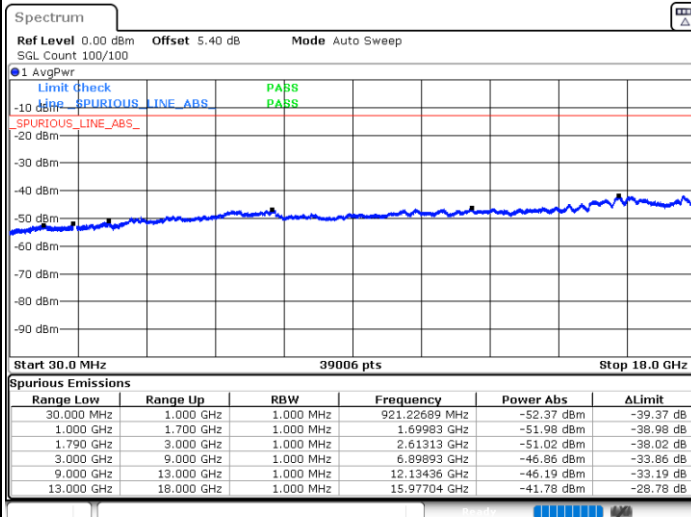
Date: 18.JUN.2022 12:24:51



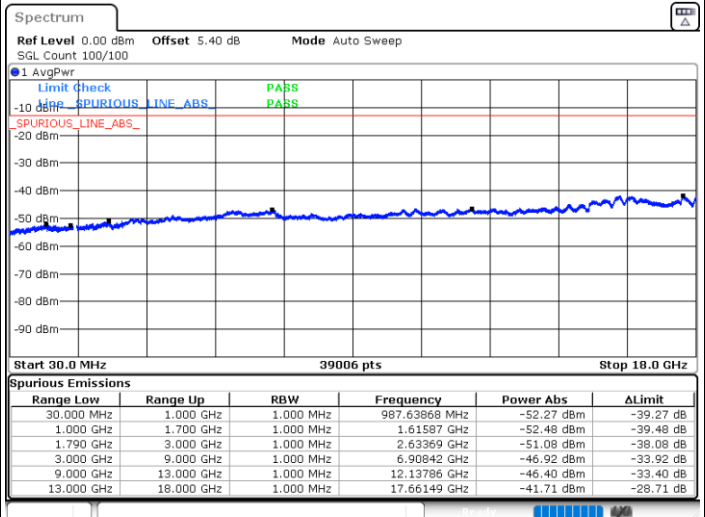
Date: 18.JUN.2022 12:26:22

LTE Band 66C / 10MHz+20MHz QPSK Highest  
Channel / 1RB49 and 1RB0

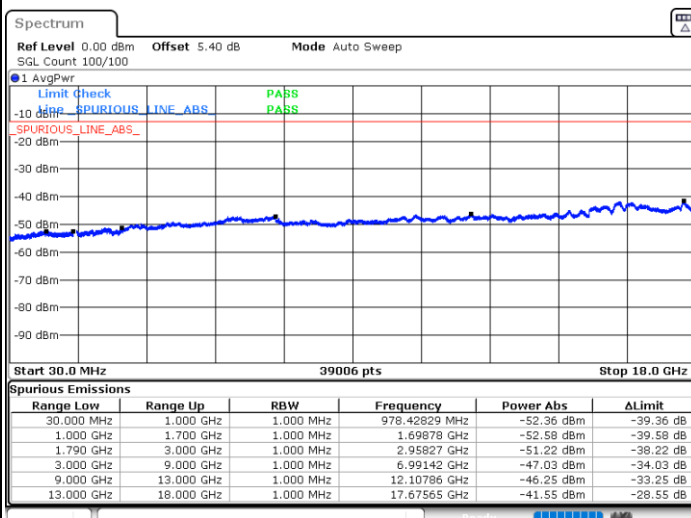
Date: 18.JUN.2022 12:27:52

LTE Band 66C / 15MHz+10MHz QPSK Lowest  
Channel / 1RB24 and 1RB0LTE Band 66C / 15MHz+10MHz QPSK Middle  
Channel / 1RB24 and 1RB0

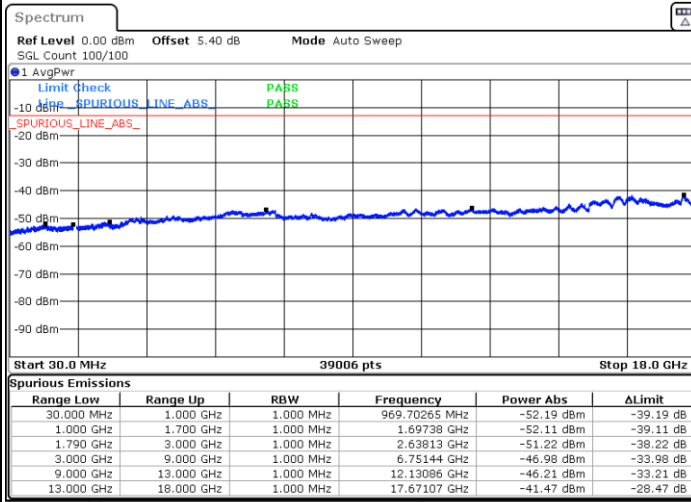
Date: 18.JUN.2022 13:01:08



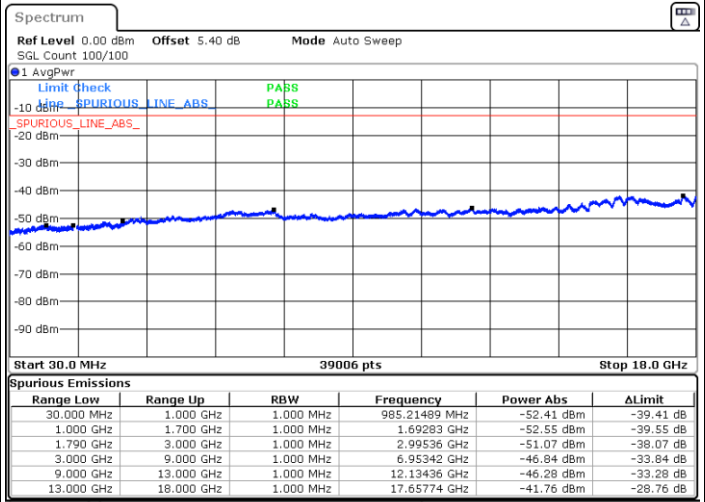
Date: 18.JUN.2022 13:02:39

LTE Band 66C / 15MHz+10MHz QPSK Highest  
Channel / 1RB24 and 1RB0

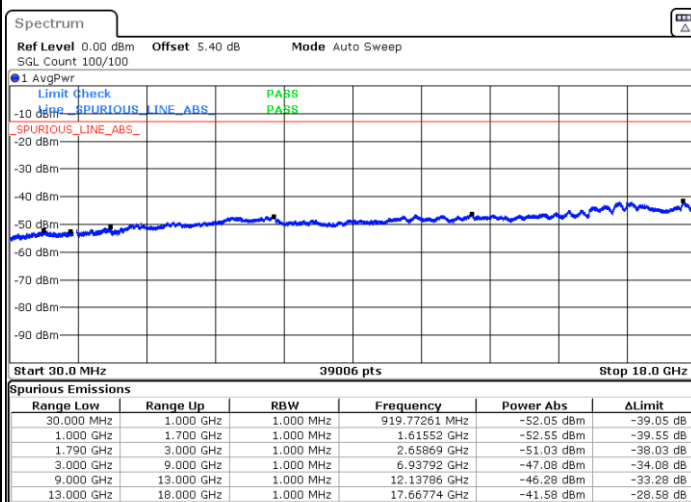
Date: 18.JUN.2022 13:04:09

LTE Band 66C / 15MHz+15MHz QPSK Lowest  
Channel / 1RB24 and 1RB0LTE Band 66C / 15MHz+15MHz QPSK Middle  
Channel / 1RB24 and 1RB0

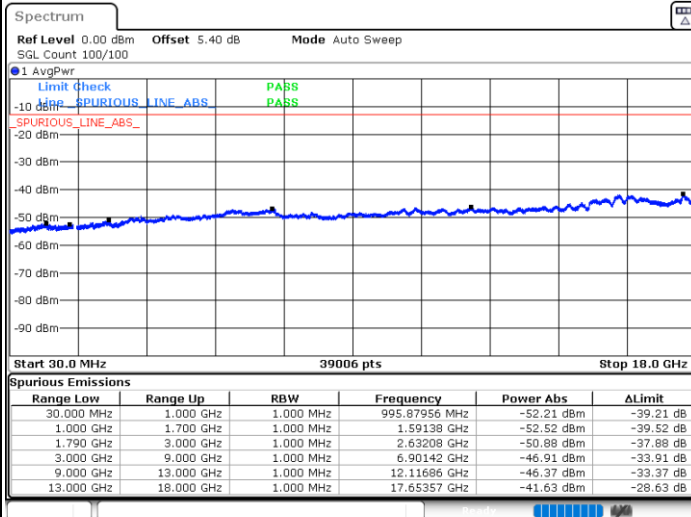
Date: 18.JUN.2022 13:42:01



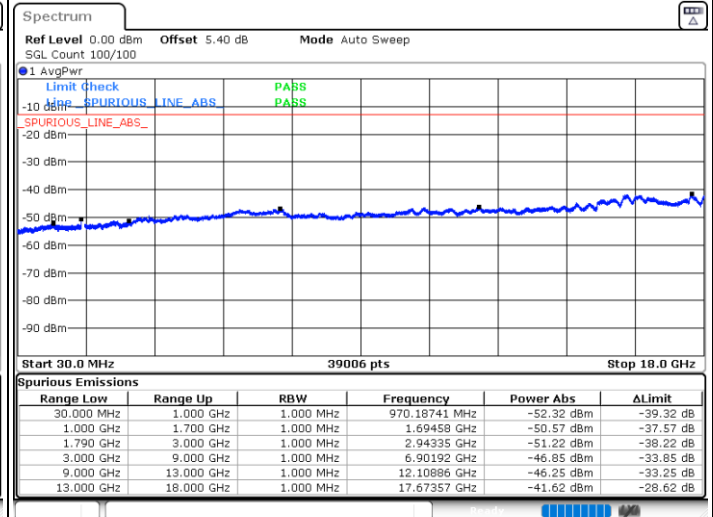
Date: 18.JUN.2022 13:43:30

LTE Band 66C / 15MHz+15MHz QPSK Highest  
Channel / 1RB24 and 1RB0

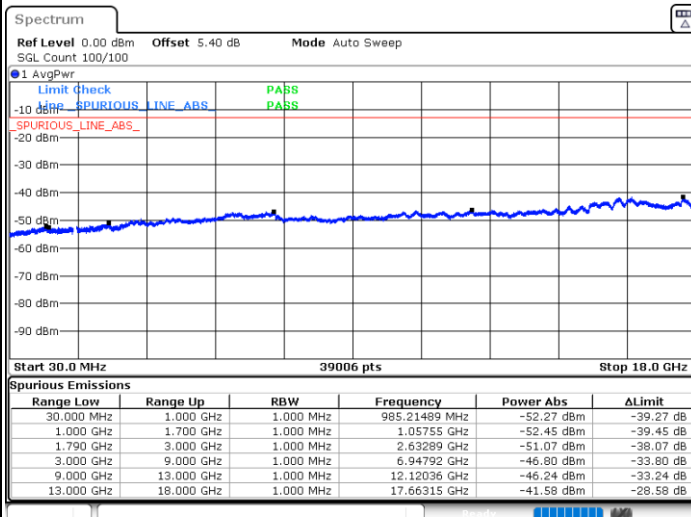
Date: 18.JUN.2022 13:45:01

LTE Band 66C / 15MHz+20MHz QPSK Lowest  
Channel / 1RB74 and 1RB0LTE Band 66C / 15MHz+20MHz QPSK Middle  
Channel / 1RB74 and 1RB0

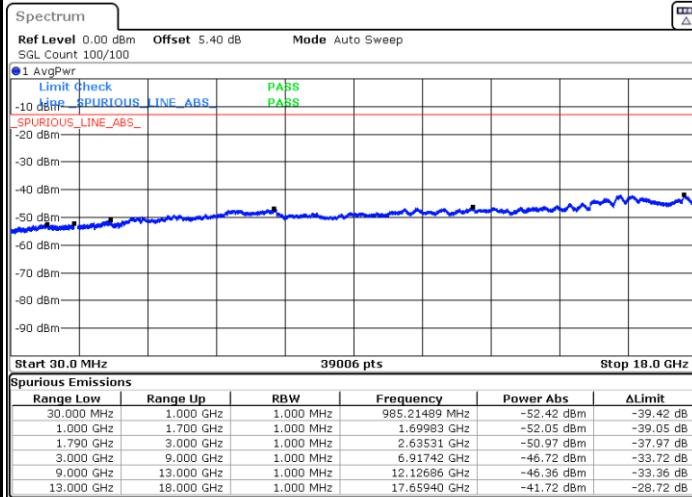
Date: 18.JUN.2022 14:21:30



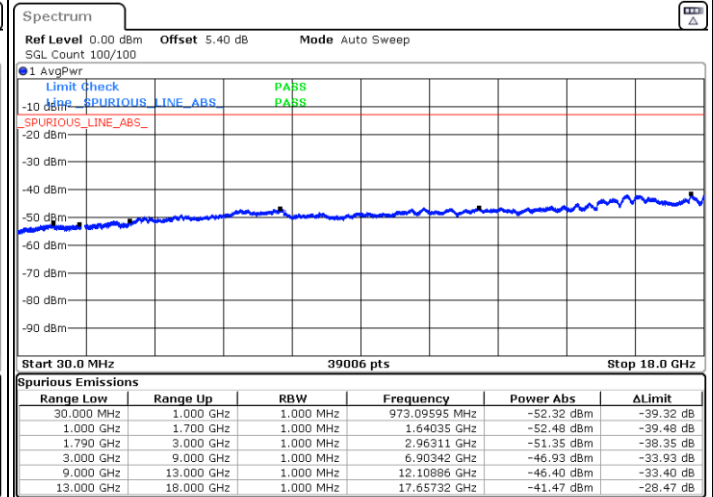
Date: 18.JUN.2022 14:20:00

LTE Band 66C / 15MHz+20MHz QPSK Highest  
Channel / 1RB74 and 1RB0

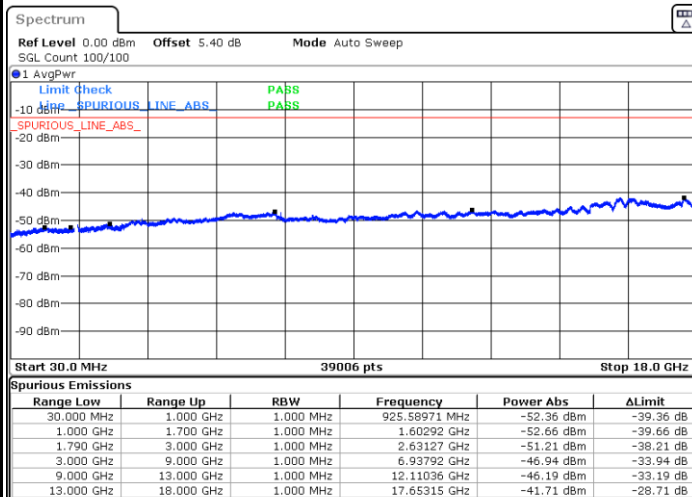
Date: 18.JUN.2022 14:23:00

LTE Band 66C / 20MHz+5MHz QPSK Lowest  
Channel / 1RB99 and 1RB0

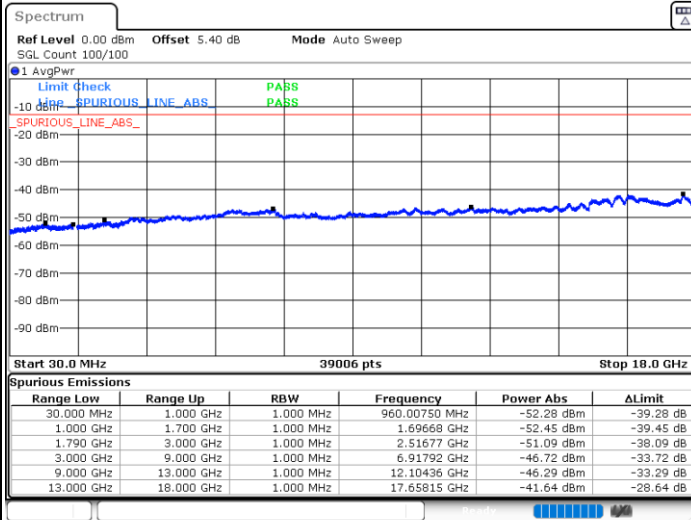
Date: 18.JUN.2022 14:57:07

LTE Band 66C / 20MHz+5MHz QPSK Middle Channel  
/ 1RB99 and 1RB0

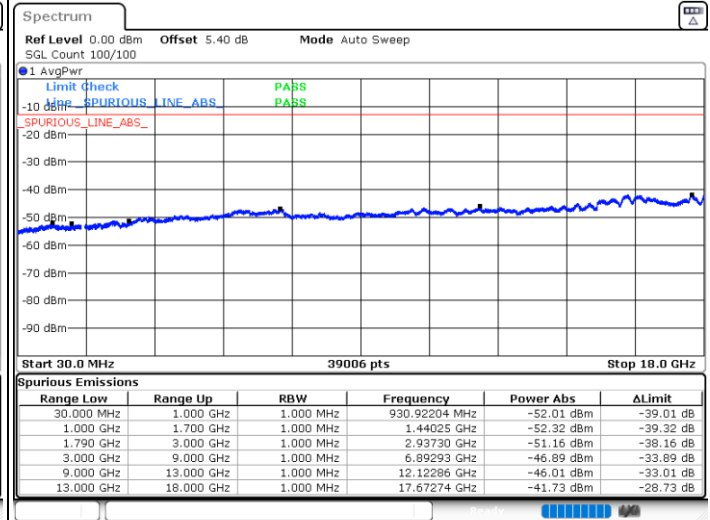
Date: 18.JUN.2022 14:58:37

LTE Band 66C / 20MHz+5MHz QPSK Highest  
Channel / 1RB99 and 1RB0

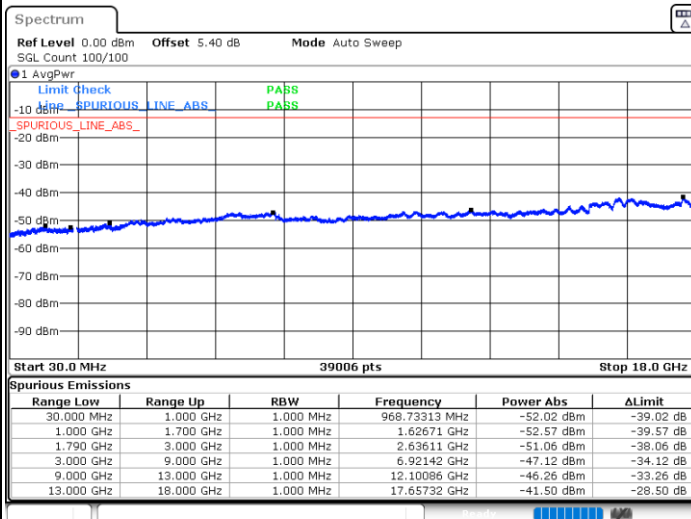
Date: 18.JUN.2022 15:00:08

LTE Band 66C / 20MHz+10MHz QPSK Lowest  
Channel / 1RB99 and 1RB0LTE Band 66C / 20MHz+10MHz QPSK Middle  
Channel / 1RB99 and 1RB0

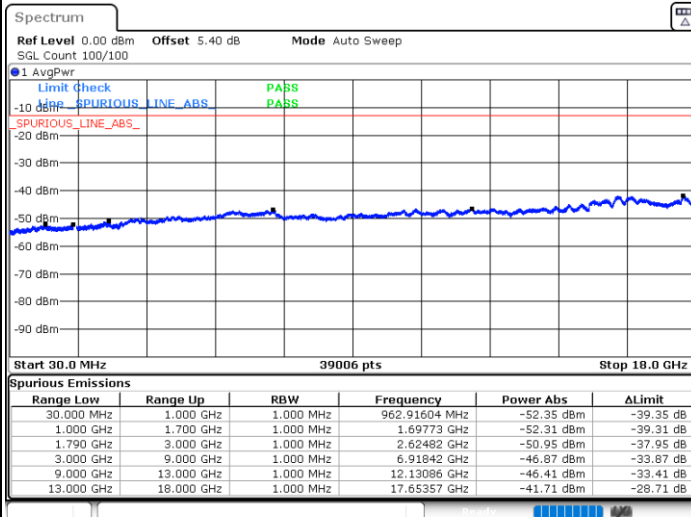
Date: 18.JUN.2022 15:35:49



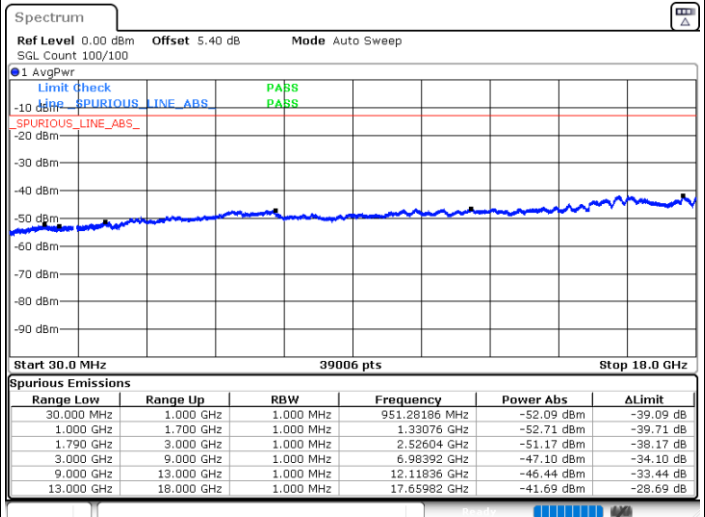
Date: 18.JUN.2022 15:37:19

LTE Band 66C / 20MHz+10MHz QPSK Highest  
Channel / 1RB99 and 1RB0

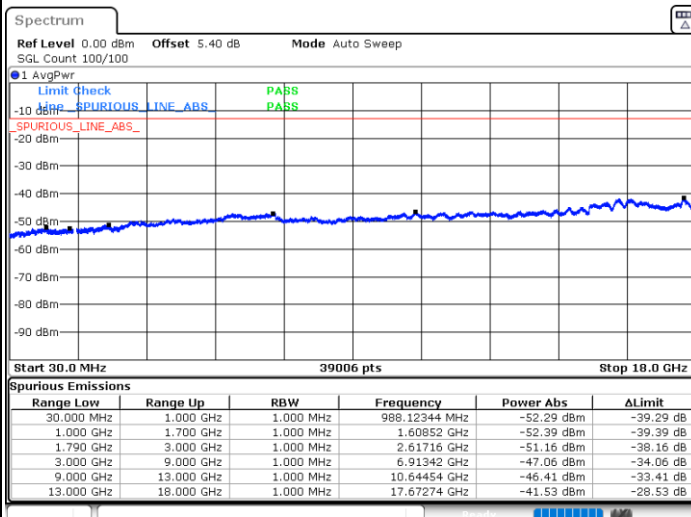
Date: 18.JUN.2022 15:38:49

**LTE Band 66C / 20MHz+15MHz QPSK Lowest  
Channel / 1RB99 and 1RB0****LTE Band 66C / 20MHz+15MHz QPSK Middle  
Channel / 1RB99 and 1RB0**

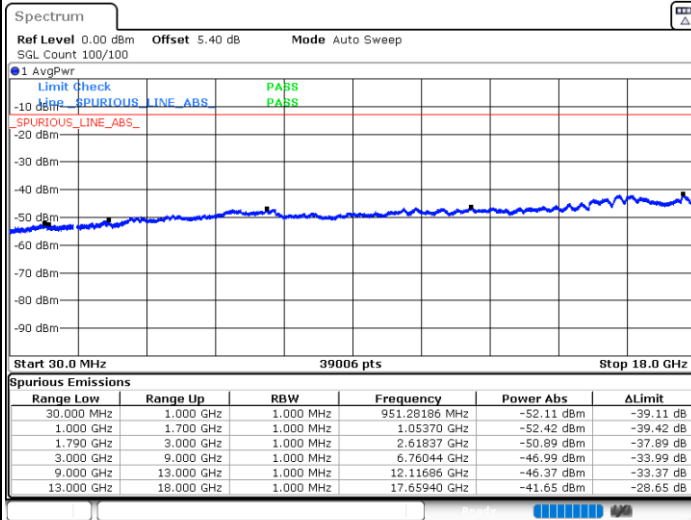
Date: 18.JUN.2022 16:11:59



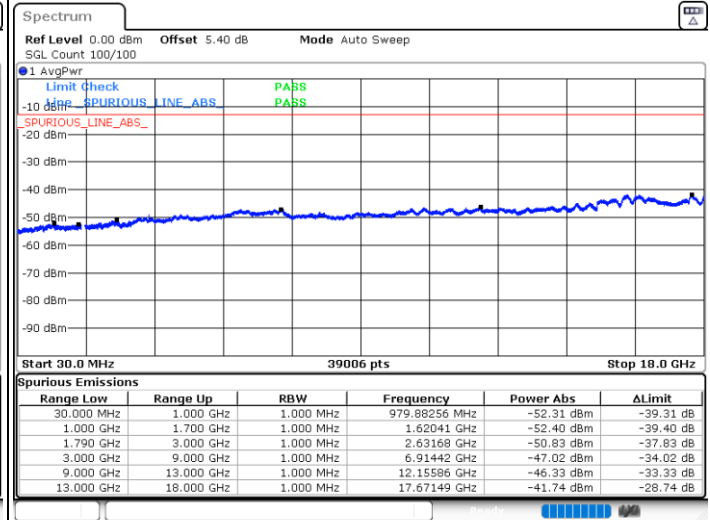
Date: 18.JUN.2022 16:13:30

**LTE Band 66C / 20MHz+15MHz QPSK Highest  
Channel / 1RB99 and 1RB0**

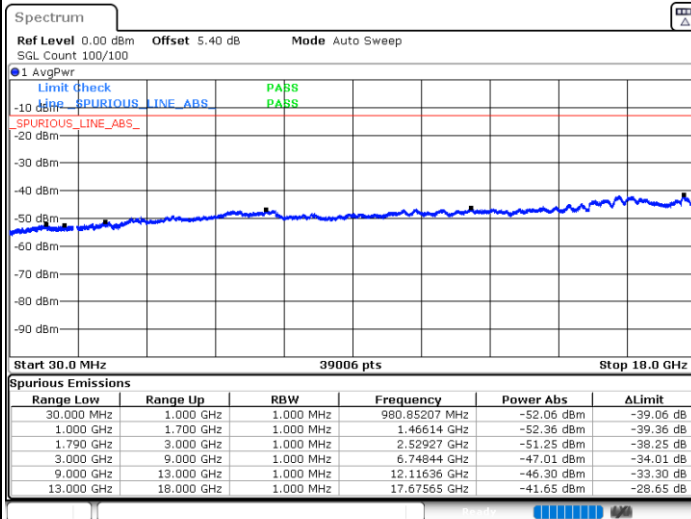
Date: 18.JUN.2022 16:15:01

LTE Band 66C / 20MHz+20MHz QPSK Lowest  
Channel / 1RB99 and 1RB0LTE Band 66C / 20MHz+20MHz QPSK Middle  
Channel / 1RB99 and 1RB0

Date: 18.JUN.2022 16:52:27



Date: 18.JUN.2022 16:48:50

LTE Band 66C / 20MHz+20MHz QPSK Highest  
Channel / 1RB99 and 1RB0

Date: 18.JUN.2022 16:53:57

## Frequency Stability

| Test Conditions  |                   | LTE Band 66C (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|--------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20+20MHz                          | Note 2. |
|                  |                   | Deviation (ppm)                      | Result  |
| 50               | Normal Voltage    | 0.0024                               | PASS    |
| 40               | Normal Voltage    | 0.0019                               |         |
| 30               | Normal Voltage    | 0.0021                               |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                               |         |
| 10               | Normal Voltage    | 0.0017                               |         |
| 0                | Normal Voltage    | 0.0023                               |         |
| -10              | Normal Voltage    | 0.0002                               |         |
| -20              | Normal Voltage    | 0.0019                               |         |
| -30              | Normal Voltage    | 0.0028                               |         |
| 20               | Maximum Voltage   | 0.0013                               |         |
| 20               | Normal Voltage    | 0.0017                               |         |
| 20               | Battery End Point | 0.0026                               |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

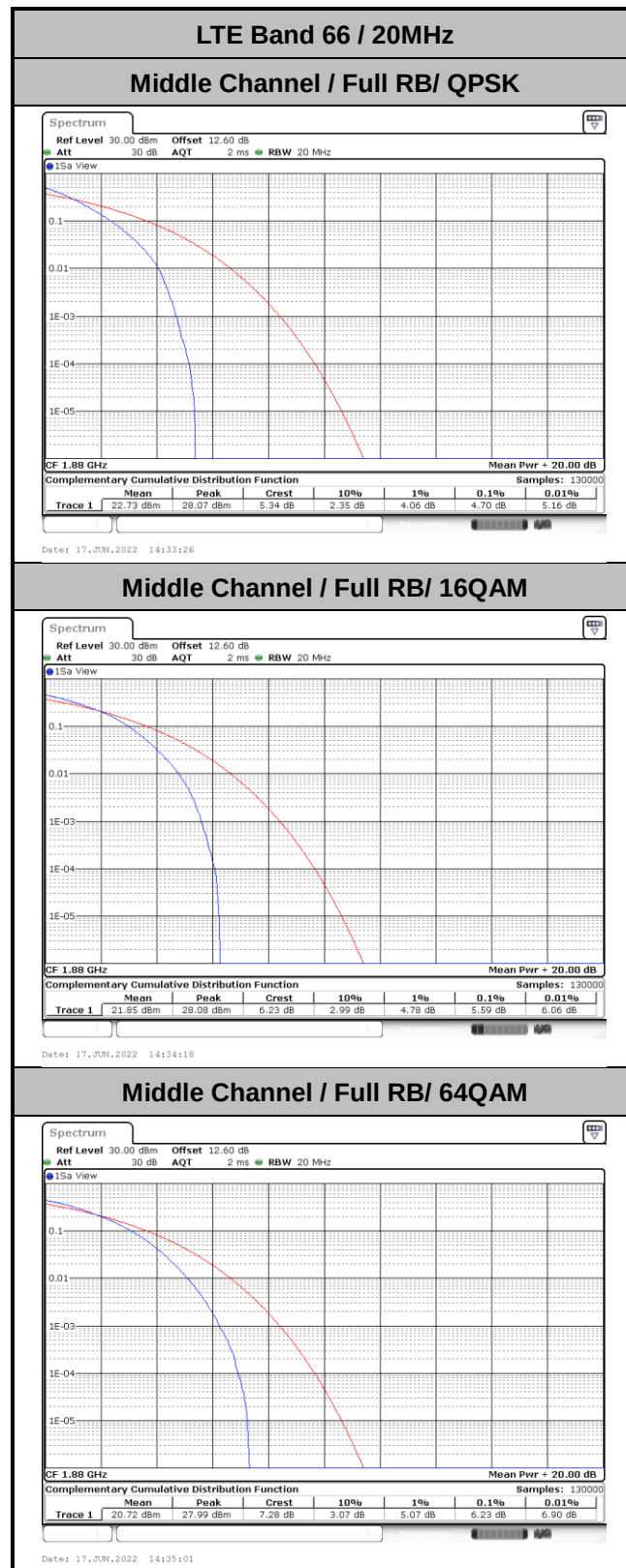


## Other PA

## LTE Band 2

### Peak-to-Average Ratio

| Mode      | LTE Band 2 / 20MHz |         |         |             |
|-----------|--------------------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Result      |
| Middle CH | 4.7                | 5.59    | 6.23    | PASS        |



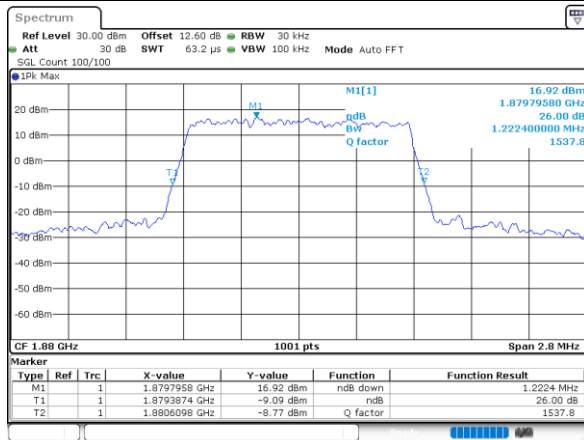
## 26dB Bandwidth

|           |                           |       |
|-----------|---------------------------|-------|
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 1.4MHz                    |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 1.22                      | 1.21  |
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 3MHz                      |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 3.06                      | 3.04  |
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 5MHz                      |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 4.94                      | 4.93  |
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 10MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 9.81                      | 9.73  |
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 15MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 14.51                     | 14.72 |
| Mode      | LTE Band 2 : 26dB BW(MHz) |       |
| BW        | 20MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 19.22                     | 18.78 |

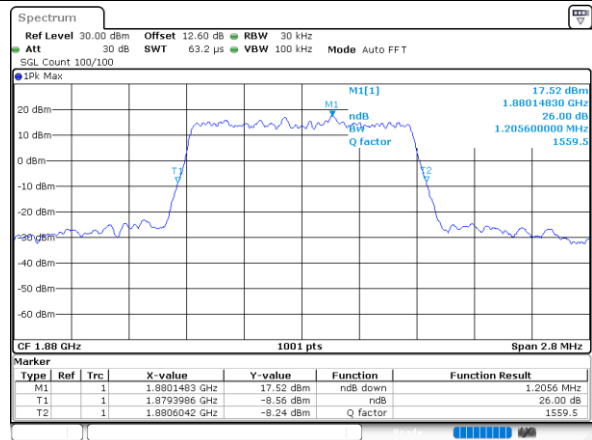


## LTE Band 2

## Middle Channel / 1.4MHz / QPSK

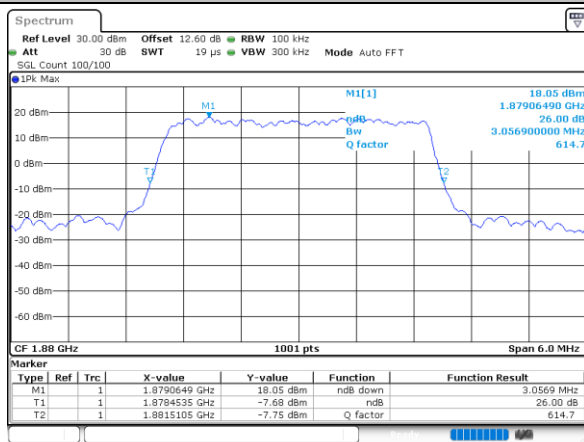


## Middle Channel / 1.4MHz / 16QAM

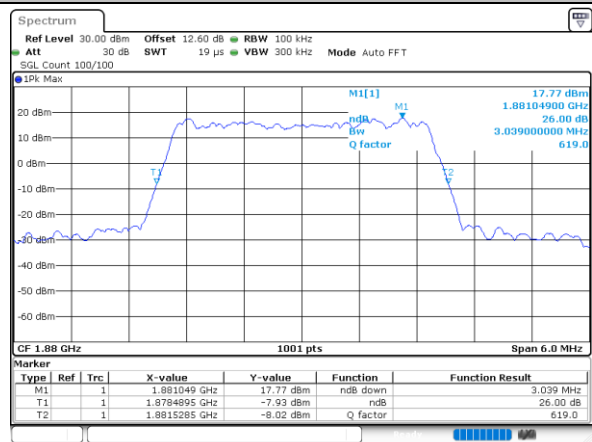


## LTE Band 2

## Middle Channel / 3MHz / QPSK

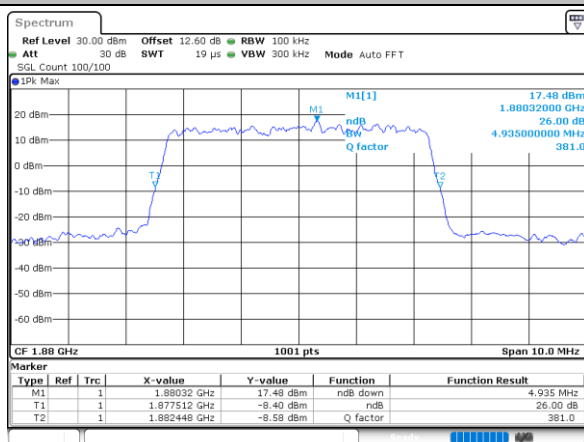


## Middle Channel / 3MHz / 16QAM



## LTE Band 2

## Middle Channel / 5MHz / QPSK



## Middle Channel / 5MHz / 16QAM

