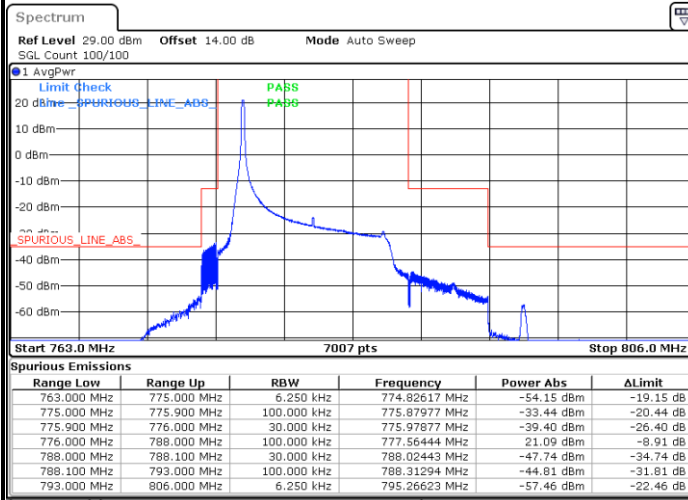




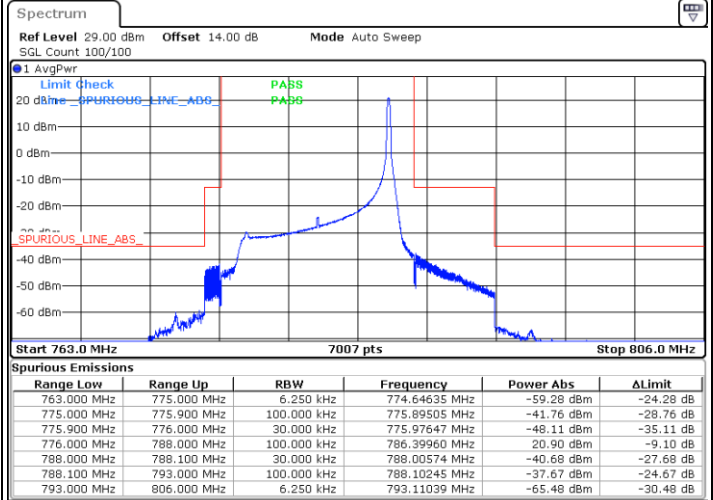
## LTE Band 13 / 10MHz / QPSK

## Lowest Band Edge / 1 RB



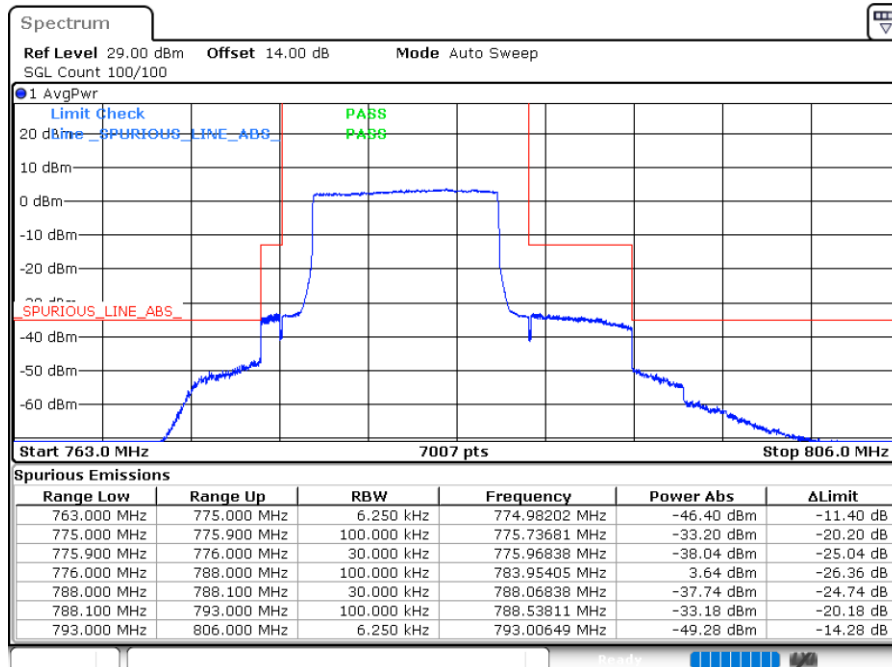
Date: 13.FEB.2021 18:59:04

## Highest Band Edge / 1 RB



Date: 13.FEB.2021 19:00:43

## Band Edge / Full RB

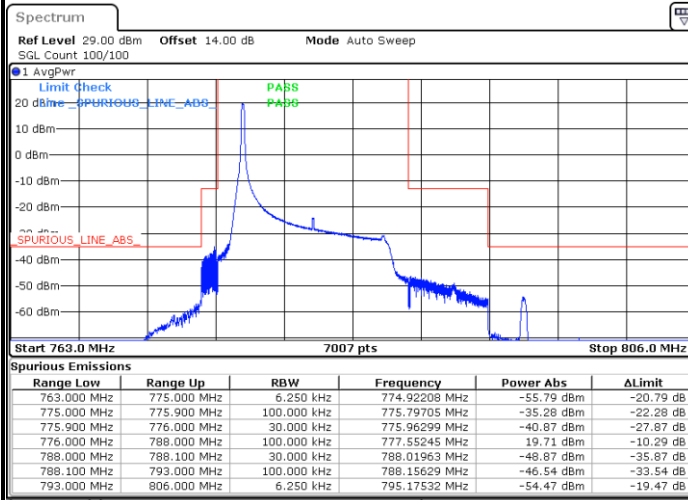


Date: 13.FEB.2021 18:54:06



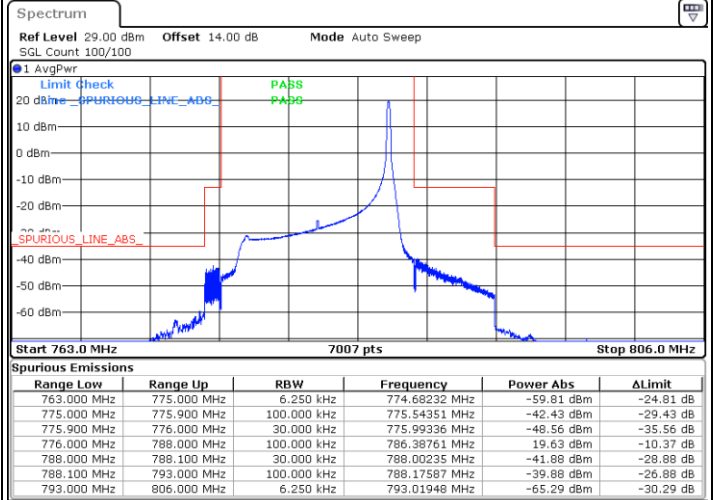
## LTE Band 13 / 10MHz / 16QAM

## Lowest Band Edge / 1 RB



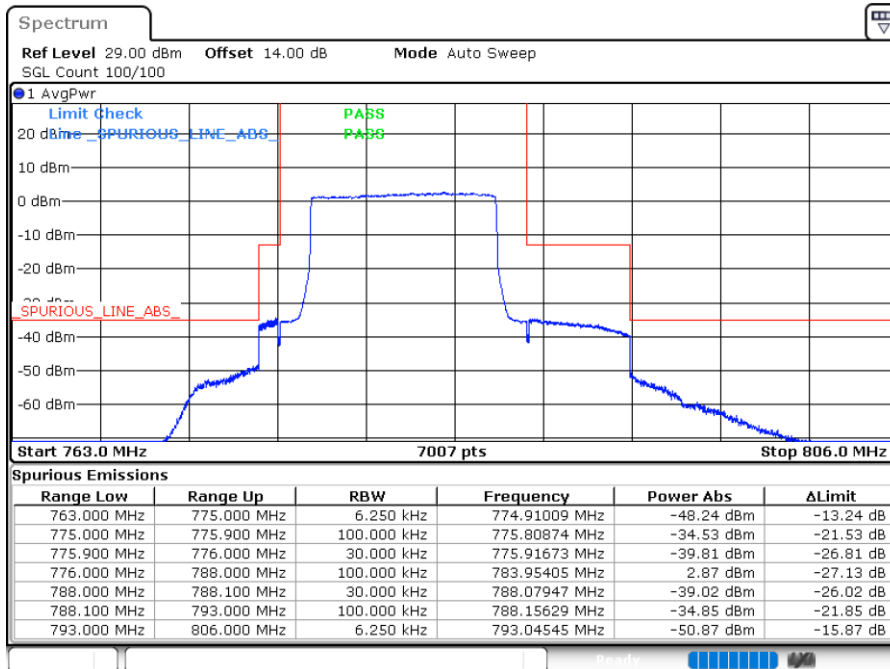
Date: 13.FEB.2021 18:57:24

## Highest Band Edge / 1 RB



Date: 13.FEB.2021 19:02:22

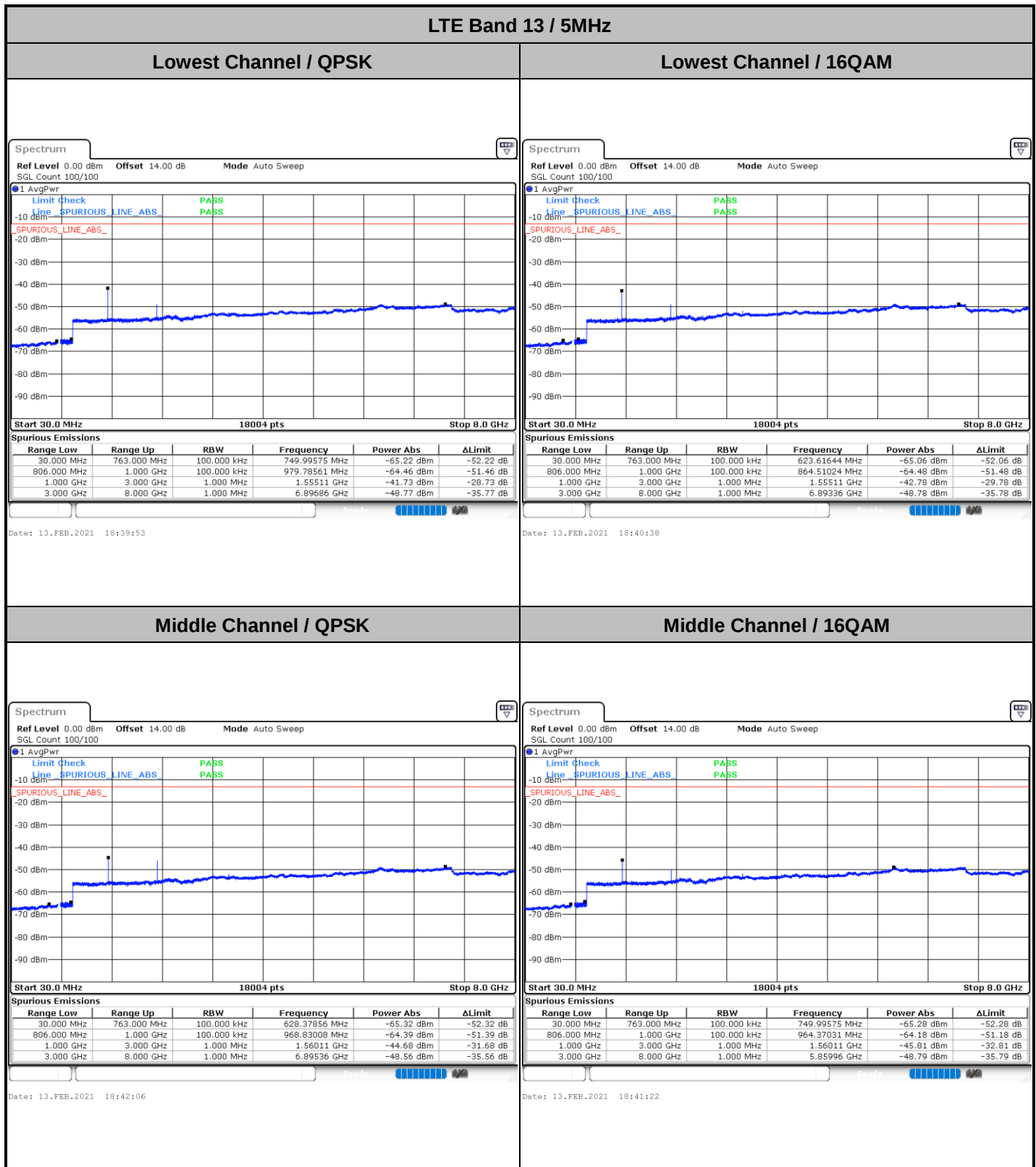
## Band Edge / Full RB



Date: 13.FEB.2021 18:55:45



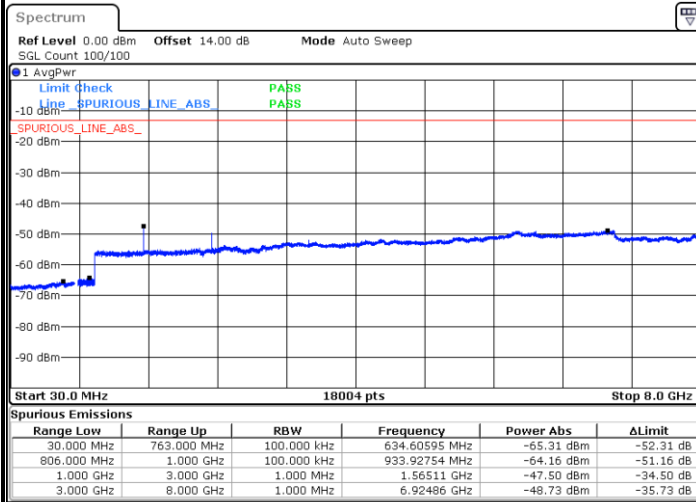
## Conducted Spurious Emission





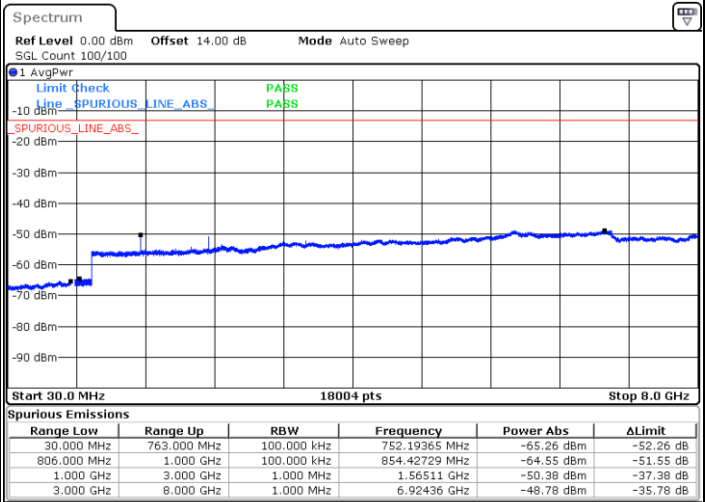
## LTE Band 13 / 5MHz

## Highest Channel / QPSK



Date: 13.FEB.2021 18:50:58

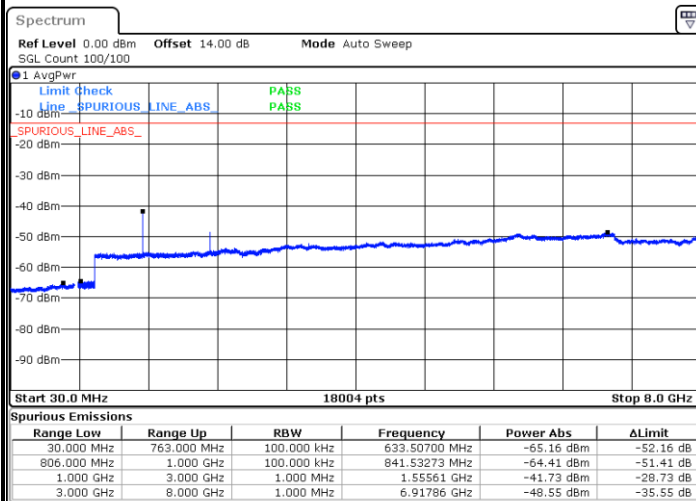
## Highest Channel / 16QAM



Date: 13.FEB.2021 18:51:42

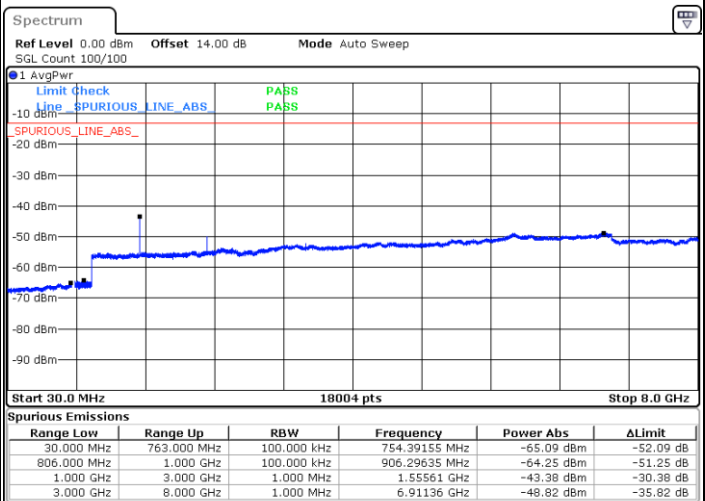
## LTE Band 13 / 10MHz

## Middle Channel / QPSK



Date: 13.FEB.2021 19:03:51

## Middle Channel / 16QAM



Date: 13.FEB.2021 19:03:07

## 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    | 0.0061                              | PASS    |
| 40               | Normal Voltage    | 0.0036                              |         |
| 30               | Normal Voltage    | 0.0008                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0041                              |         |
| 0                | Normal Voltage    | 0.0019                              |         |
| -10              | Normal Voltage    | 0.0066                              |         |
| -20              | Normal Voltage    | 0.0031                              |         |
| -30              | Normal Voltage    | 0.0035                              |         |
| 20               | Maximum Voltage   | 0.0029                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0018                              |         |

**Note:**

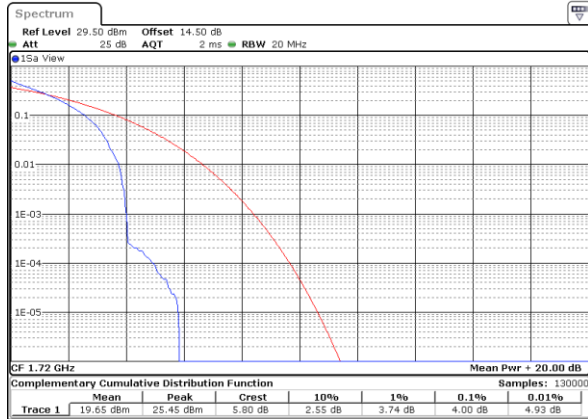
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



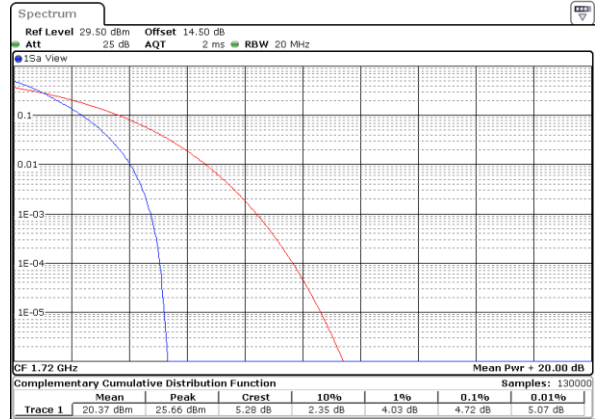
## LTE Band 66

## Peak-to-Average Ratio

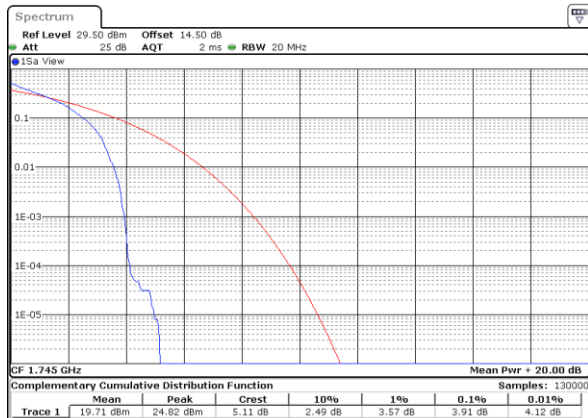
| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.00                | 4.72    | 5.04  | 5.65    | PASS        |
| Middle CH  | 3.91                | 4.87    | 4.96  | 5.80    |             |
| Highest CH | 3.74                | 4.84    | 5.22  | 5.80    |             |

**LTE Band 66 / 20MHz / QPSK**
**Lowest Channel / 1RB**


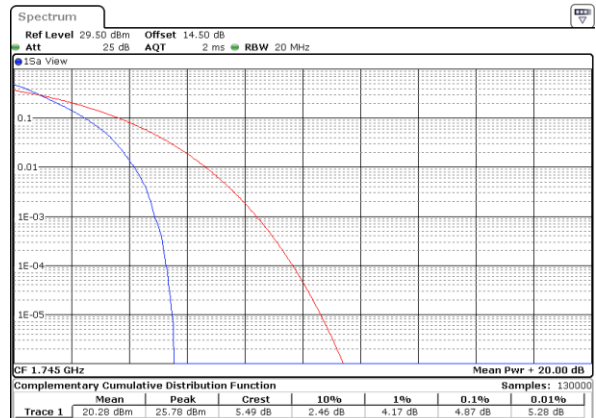
Date: 14.FEB.2021 11:32:59

**Lowest Channel / Full RB**


Date: 14.FEB.2021 11:33:11

**Middle Channel / 1RB**


Date: 14.FEB.2021 11:33:01

**Middle Channel / Full RB**


Date: 14.FEB.2021 11:33:43

**Highest Channel / 1RB**


Date: 14.FEB.2021 11:33:55

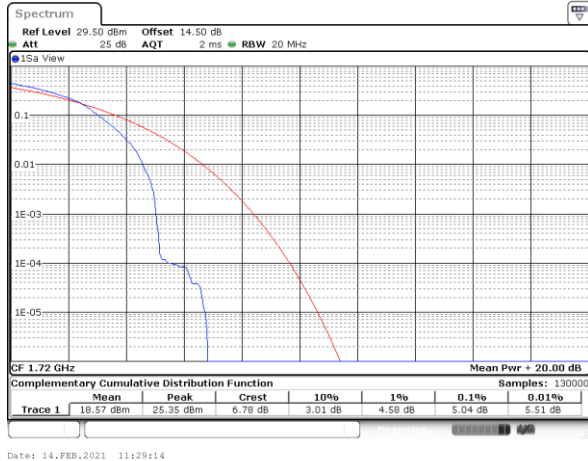
**Highest Channel / Full RB**


Date: 14.FEB.2021 11:34:21

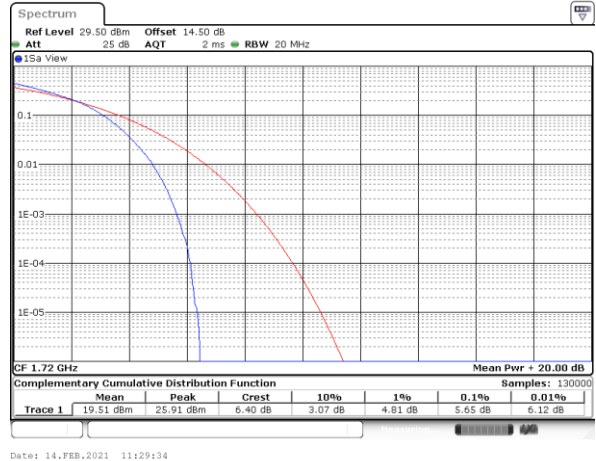


## LTE Band 66 / 20MHz / 16QAM

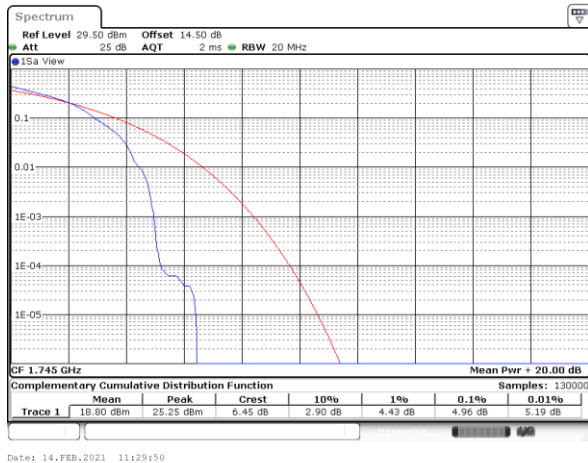
## Lowest Channel / 1RB



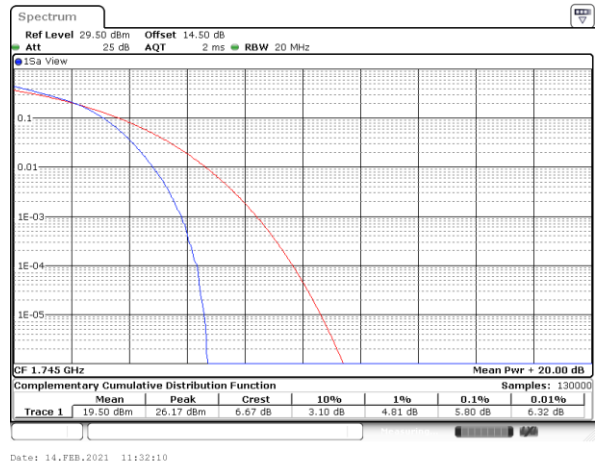
## Lowest Channel / Full RB



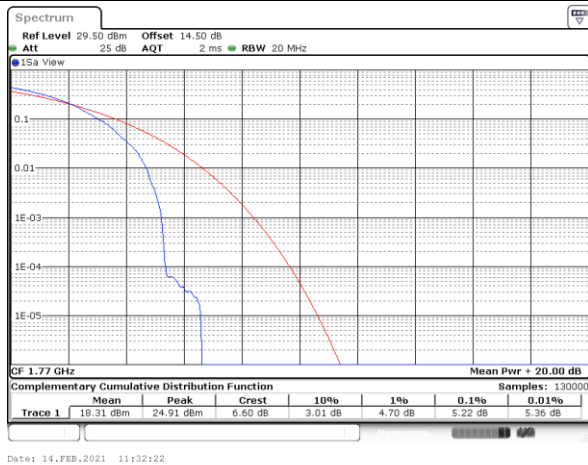
## Middle Channel / 1RB



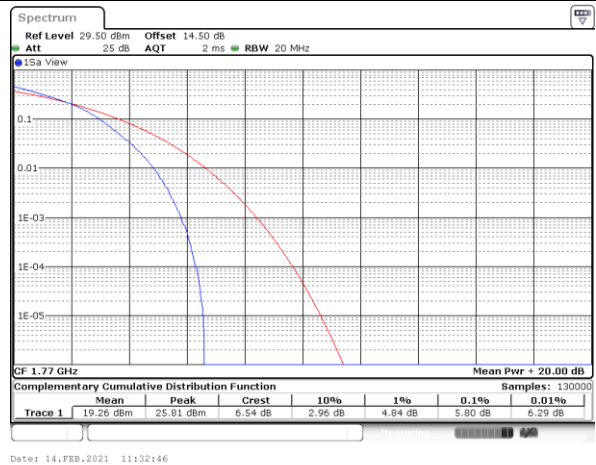
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





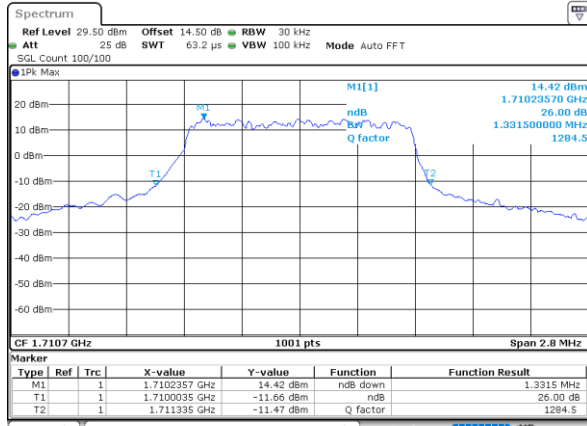
**26dB Bandwidth**

| Mode       | LTE Band 66 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|----------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.33                       | 1.42  | 3.10 | 3.02  | 5.01 | 5.40  | 9.79  | 10.33 | 14.87 | 14.57 | 19.02 | 19.02 |
| Middle CH  | 1.26                       | 1.40  | 3.03 | 3.05  | 4.91 | 5.12  | 9.73  | 9.83  | 14.54 | 14.30 | 19.46 | 19.78 |
| Highest CH | 1.28                       | 1.26  | 3.13 | 3.08  | 4.95 | 4.89  | 9.89  | 9.85  | 14.54 | 14.54 | 19.42 | 19.74 |



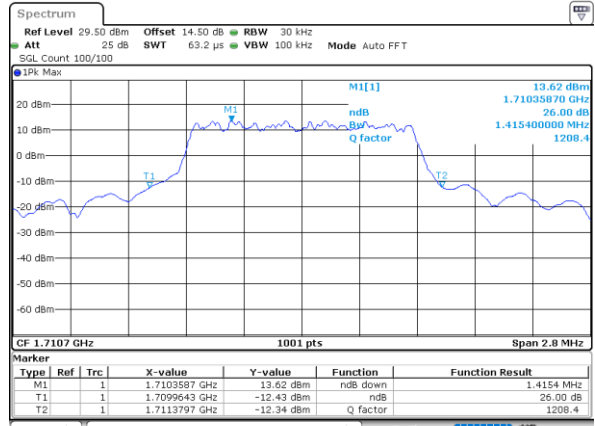
## LTE Band 66

## Lowest Channel / 1.4MHz / QPSK



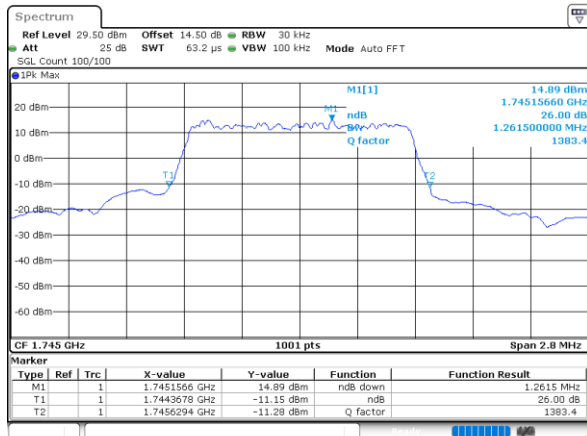
Date: 14.FEB.2021 11:36:10

## Lowest Channel / 1.4MHz / 16QAM



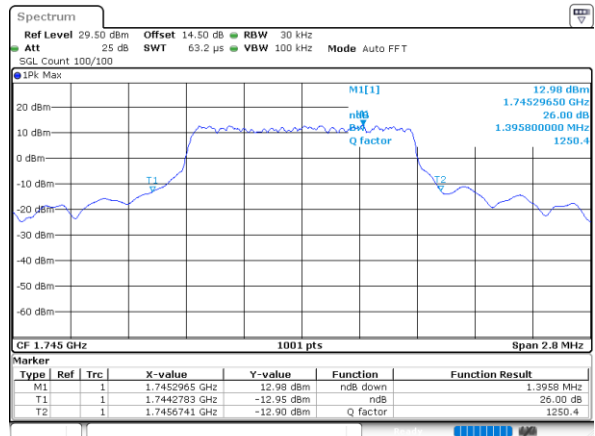
Date: 14.FEB.2021 11:36:30

## Middle Channel / 1.4MHz / QPSK



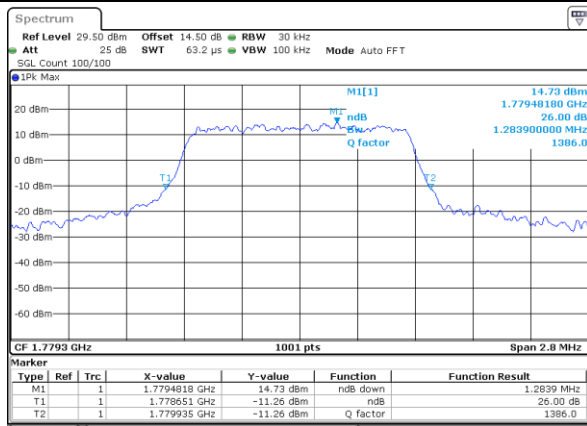
Date: 14.FEB.2021 11:43:51

## Middle Channel / 1.4MHz / 16QAM



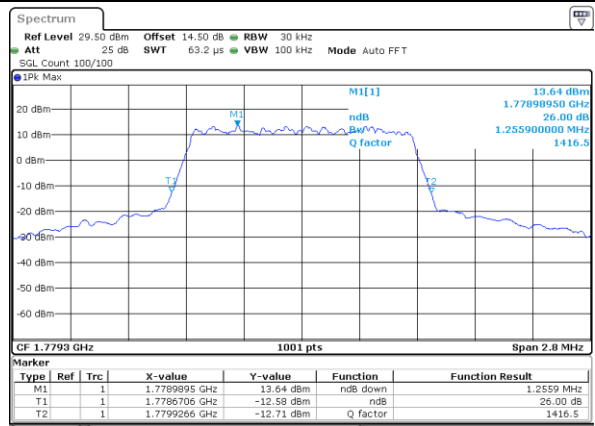
Date: 14.FEB.2021 11:44:02

## Highest Channel / 1.4MHz / QPSK



Date: 14.FEB.2021 11:46:06

## Highest Channel / 1.4MHz / 16QAM

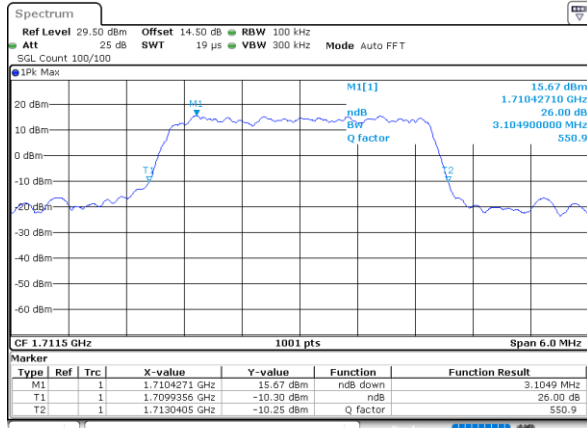


Date: 14.FEB.2021 11:46:17



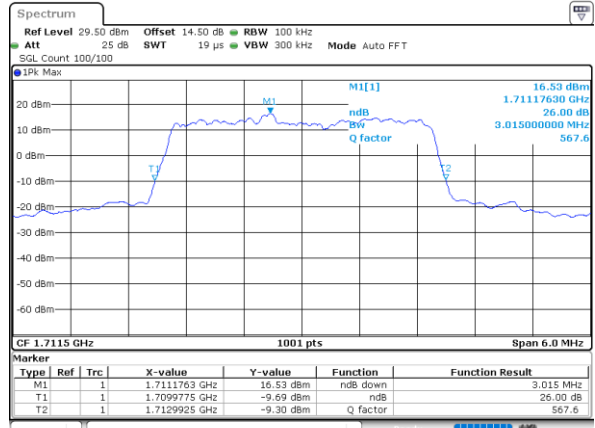
## LTE Band 66

## Lowest Channel / 3MHz / QPSK



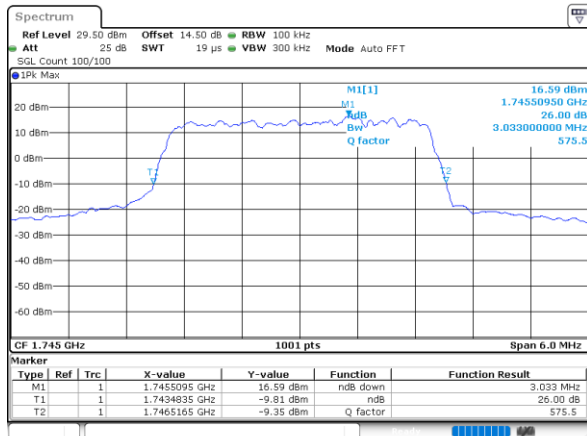
Date: 14.FEB.2021 10:07:20

## Lowest Channel / 3MHz / 16QAM



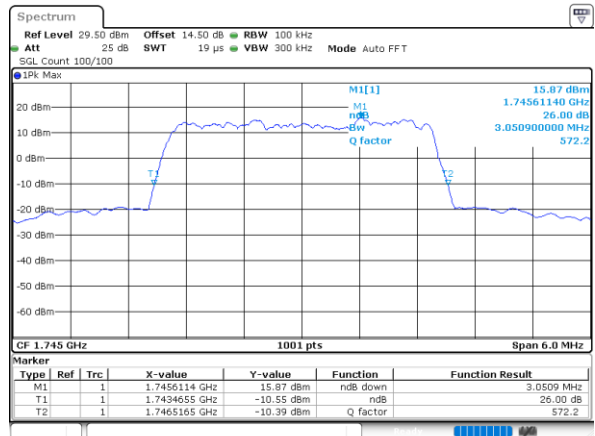
Date: 14.FEB.2021 10:07:33

## Middle Channel / 3MHz / QPSK



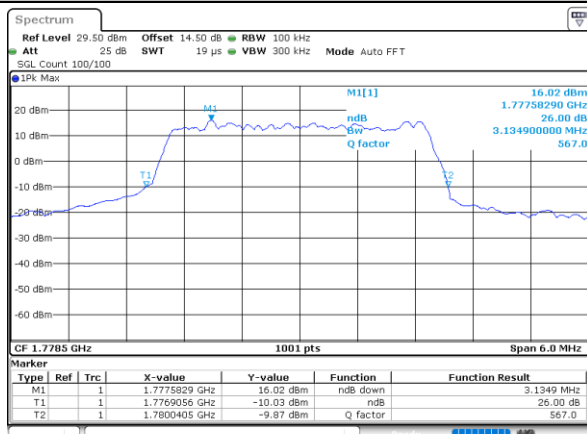
Date: 14.FEB.2021 10:13:10

## Middle Channel / 3MHz / 16QAM



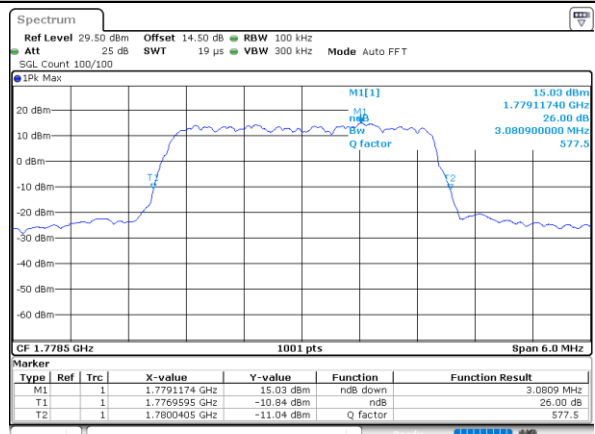
Date: 14.FEB.2021 10:13:30

## Highest Channel / 3MHz / QPSK



Date: 14.FEB.2021 10:15:43

## Highest Channel / 3MHz / 16QAM

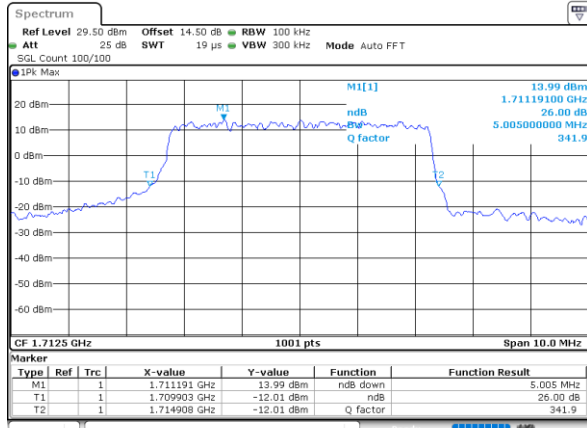


Date: 14.FEB.2021 10:15:55



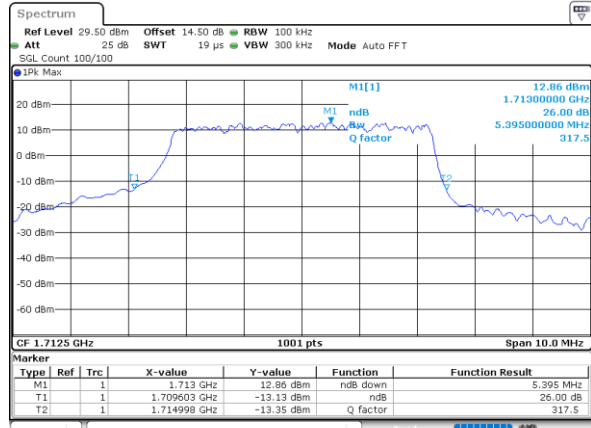
## LTE Band 66

## Lowest Channel / 5MHz / QPSK



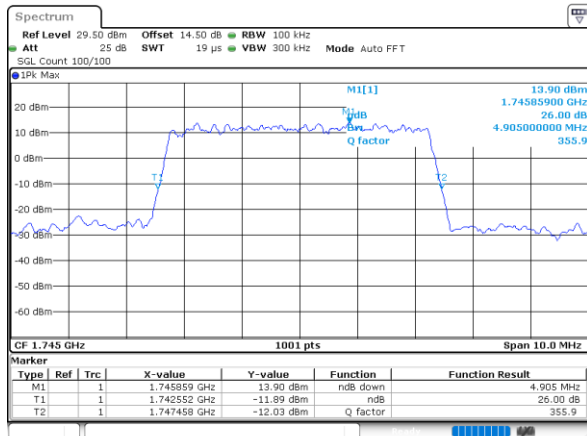
Date: 14.FEB.2021 10:21:36

## Lowest Channel / 5MHz / 16QAM



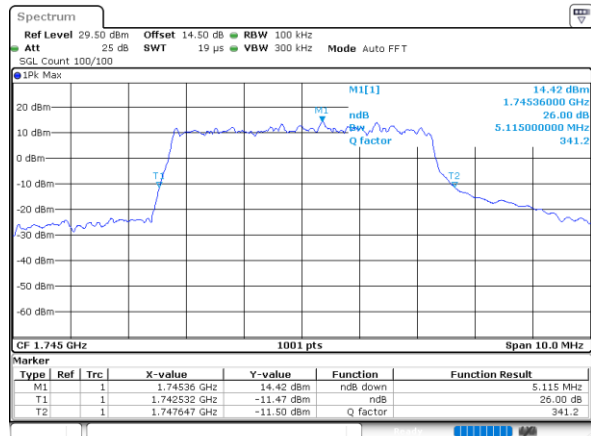
Date: 14.FEB.2021 10:21:47

## Middle Channel / 5MHz / QPSK



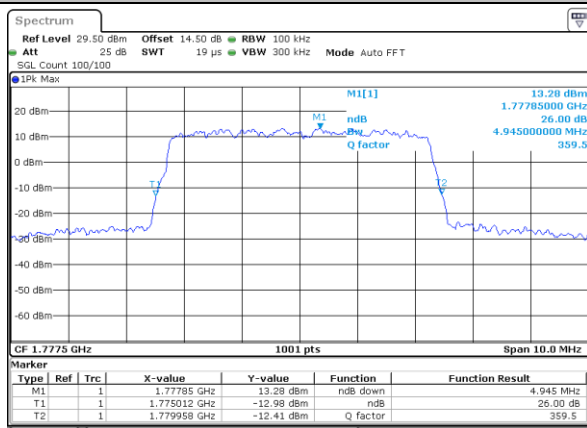
Date: 14.FEB.2021 10:27:28

## Middle Channel / 5MHz / 16QAM



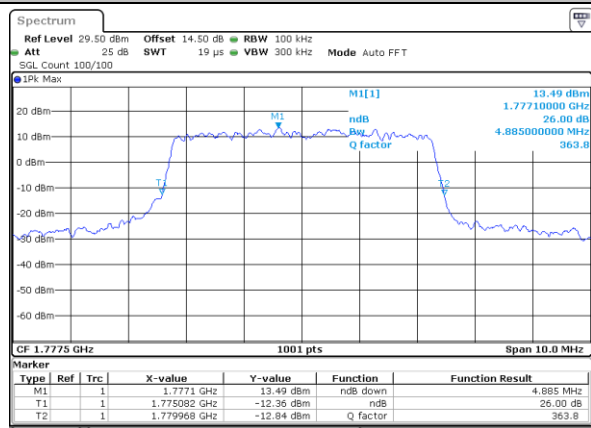
Date: 14.FEB.2021 10:27:39

## Highest Channel / 5MHz / QPSK



Date: 14.FEB.2021 10:29:43

## Highest Channel / 5MHz / 16QAM

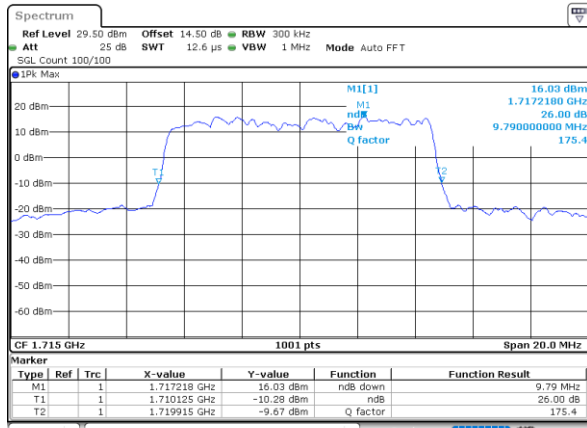


Date: 14.FEB.2021 10:29:55

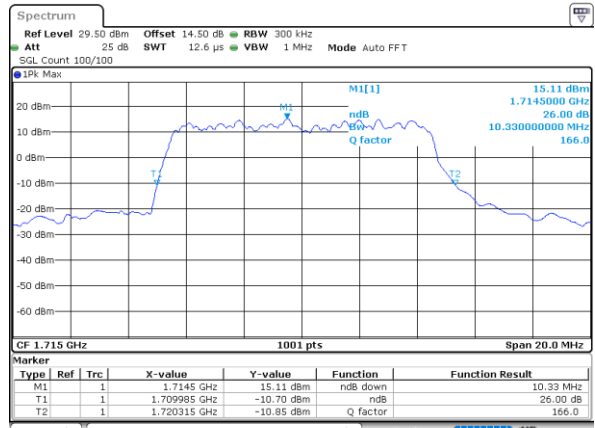


## LTE Band 66

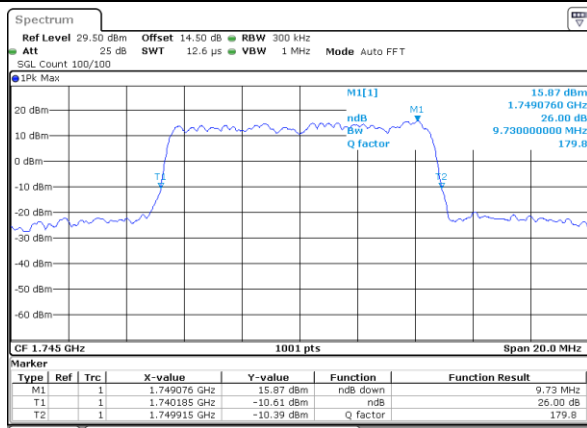
## Lowest Channel / 10MHz / QPSK



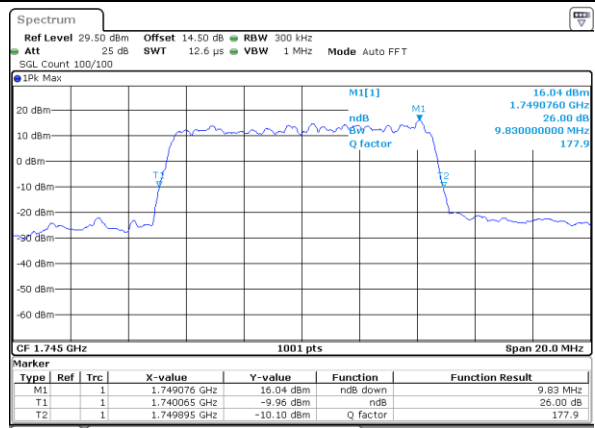
## Lowest Channel / 10MHz / 16QAM



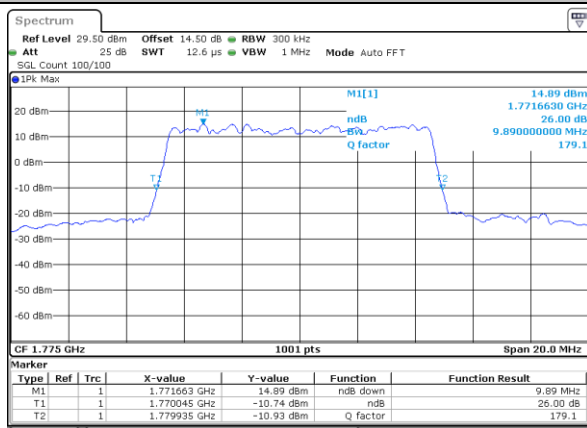
## Middle Channel / 10MHz / QPSK



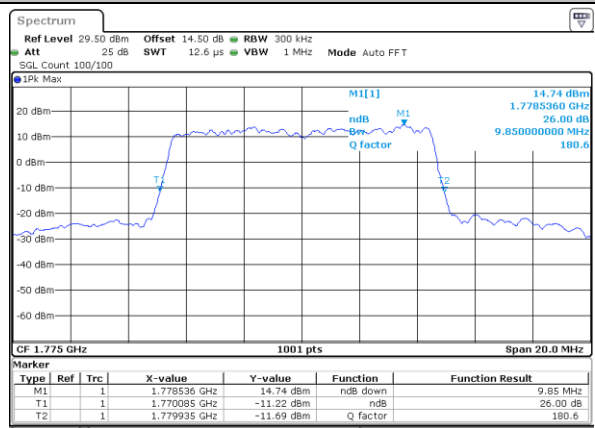
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



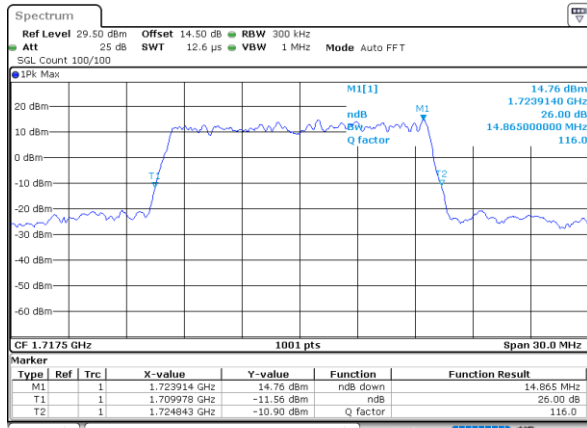
## Highest Channel / 10MHz / 16QAM





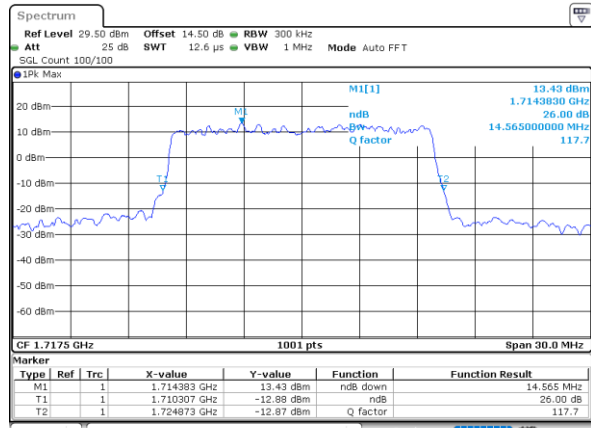
## LTE Band 66

## Lowest Channel / 15MHz / QPSK



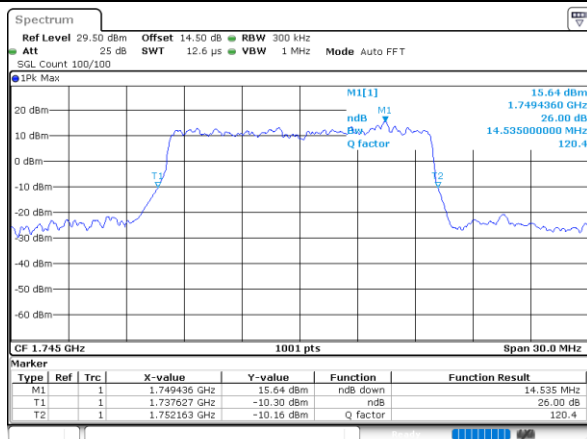
Date: 14.FEB.2021 10:49:35

## Lowest Channel / 15MHz / 16QAM



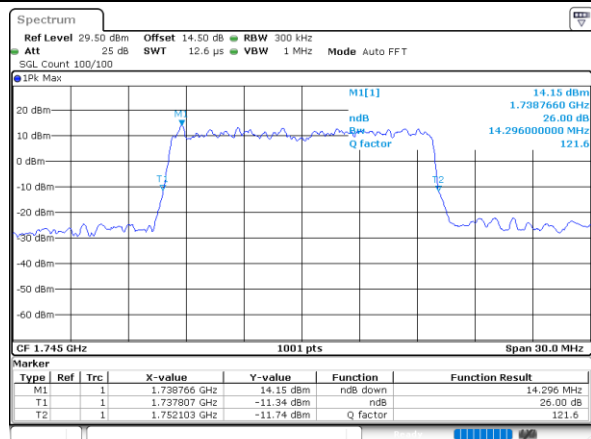
Date: 14.FEB.2021 10:49:46

## Middle Channel / 15MHz / QPSK



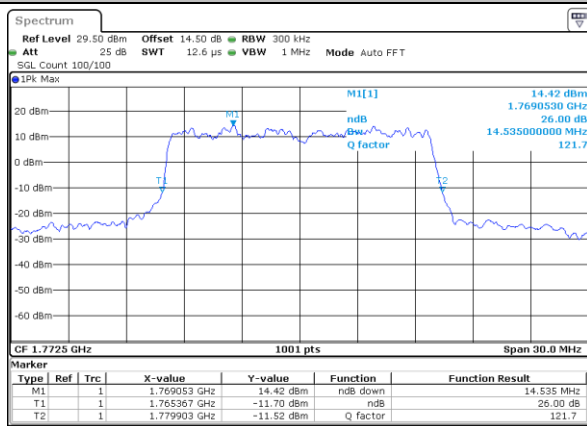
Date: 14.FEB.2021 10:55:26

## Middle Channel / 15MHz / 16QAM



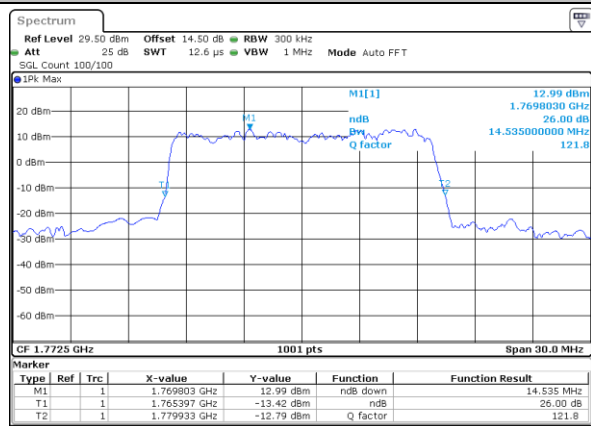
Date: 14.FEB.2021 10:55:38

## Highest Channel / 15MHz / QPSK



Date: 14.FEB.2021 10:57:42

## Highest Channel / 15MHz / 16QAM

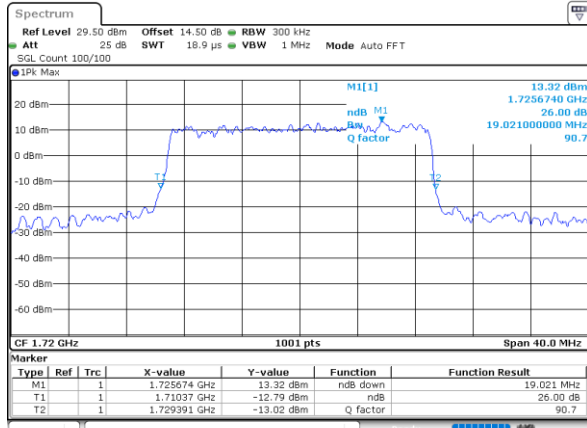


Date: 14.FEB.2021 10:57:53

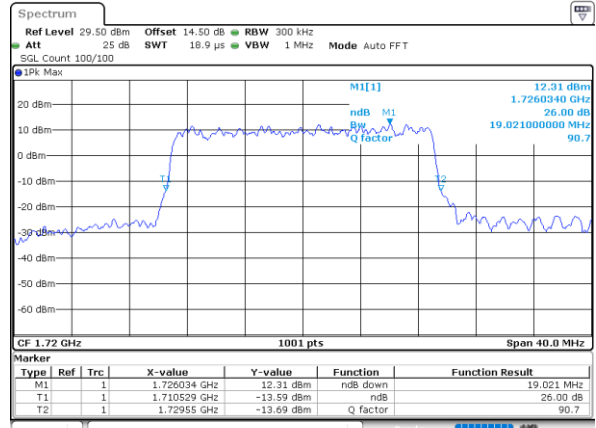


## LTE Band 66

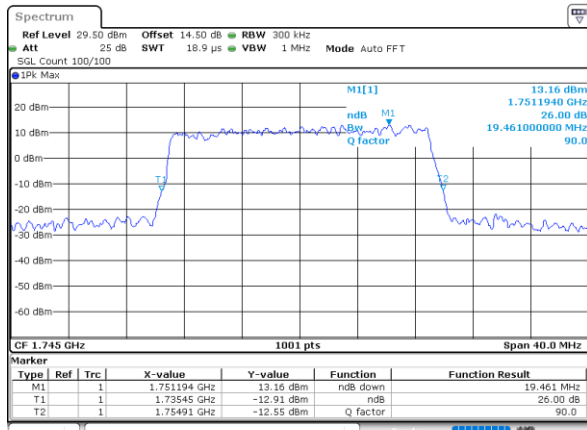
## Lowest Channel / 20MHz / QPSK



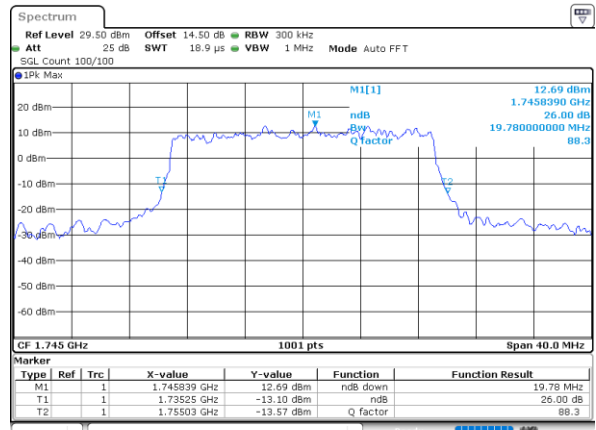
## Lowest Channel / 20MHz / 16QAM



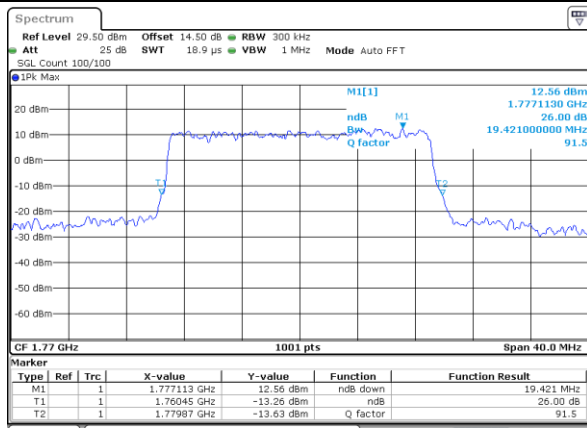
## Middle Channel / 20MHz / QPSK



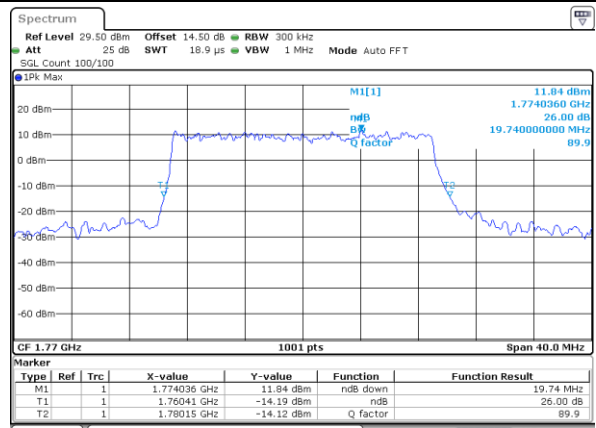
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM



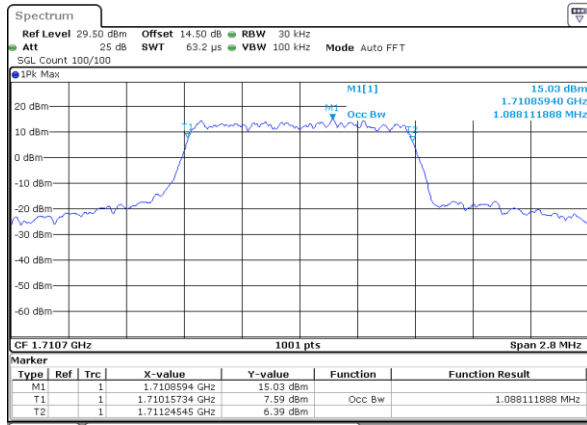
**Occupied Bandwidth**

| Mode       | LTE Band 66 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.11  | 2.72 | 2.73  | 4.48 | 4.50  | 9.05  | 9.07  | 13.37 | 13.40 | 17.94 | 17.86 |
| Middle CH  | 1.10                      | 1.11  | 2.72 | 2.72  | 4.50 | 4.50  | 9.01  | 9.07  | 13.49 | 13.49 | 17.86 | 17.94 |
| Highest CH | 1.11                      | 1.10  | 2.70 | 2.72  | 4.55 | 4.49  | 9.07  | 9.09  | 13.49 | 13.52 | 17.90 | 17.98 |

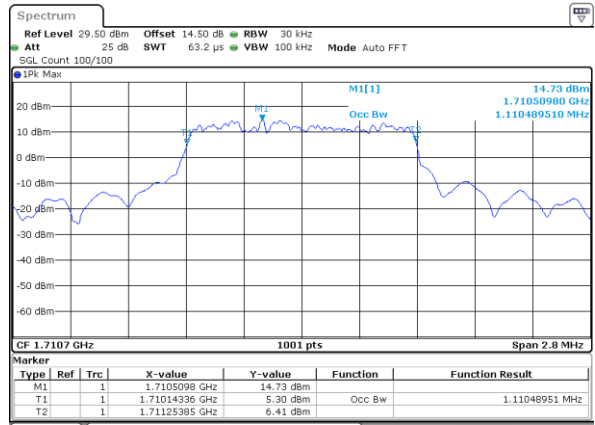


## LTE Band 66

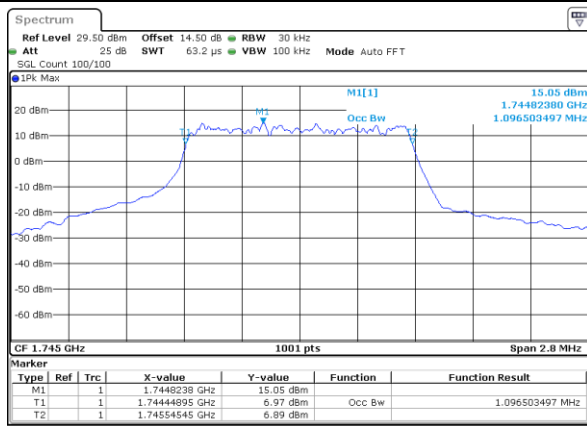
## Lowest Channel / 1.4MHz / QPSK



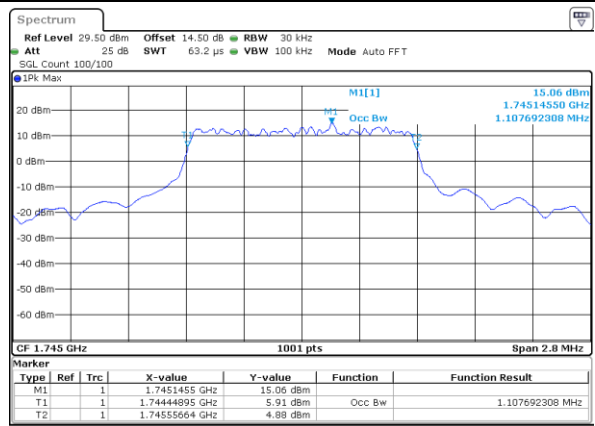
## Lowest Channel / 1.4MHz / 16QAM



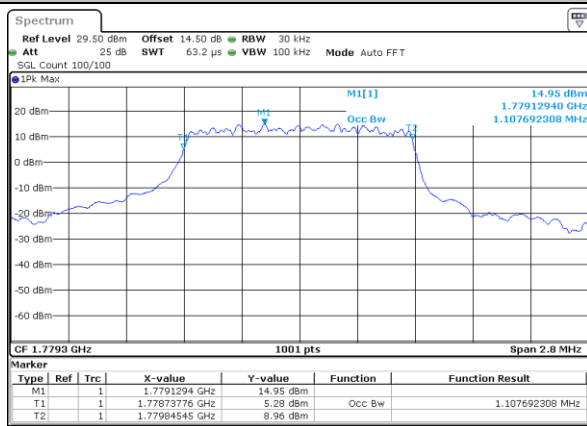
## Middle Channel / 1.4MHz / QPSK



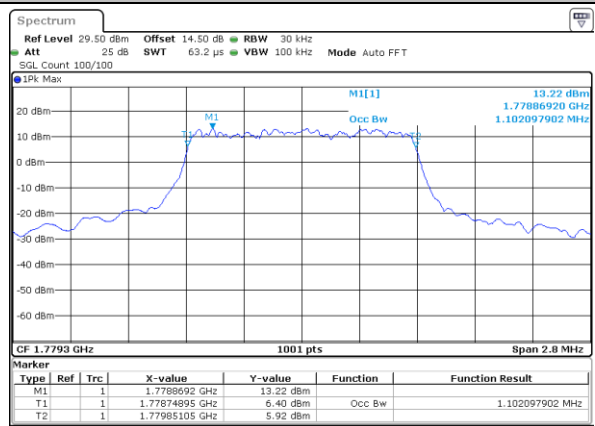
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



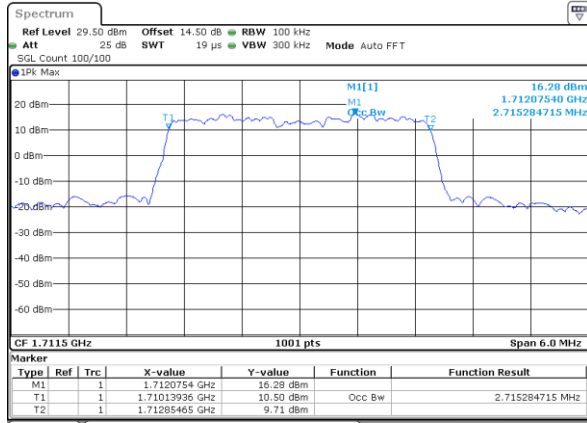
## Highest Channel / 1.4MHz / 16QAM





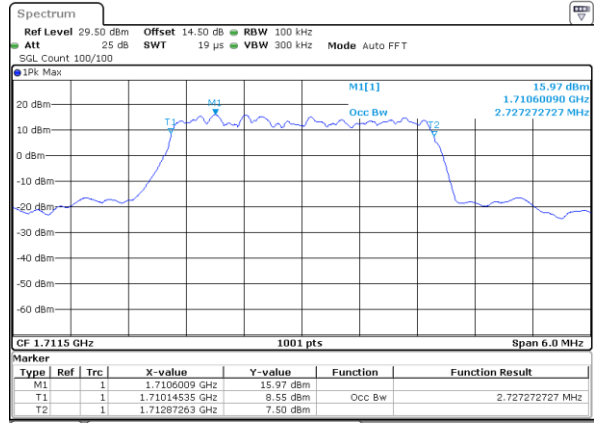
## LTE Band 66

## Lowest Channel / 3MHz / QPSK



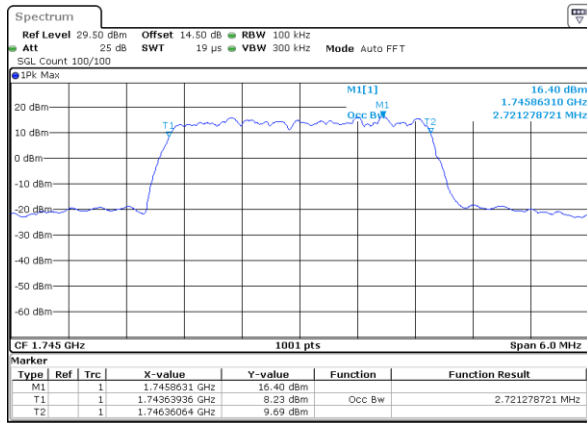
Date: 14.FEB.2021 10:06:54

## Lowest Channel / 3MHz / 16QAM



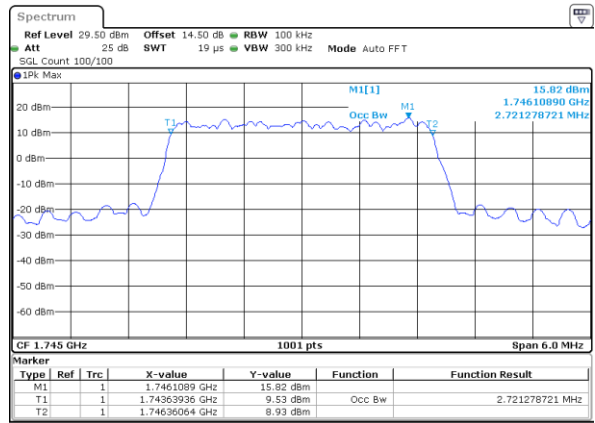
Date: 14.FEB.2021 10:07:07

## Middle Channel / 3MHz / QPSK



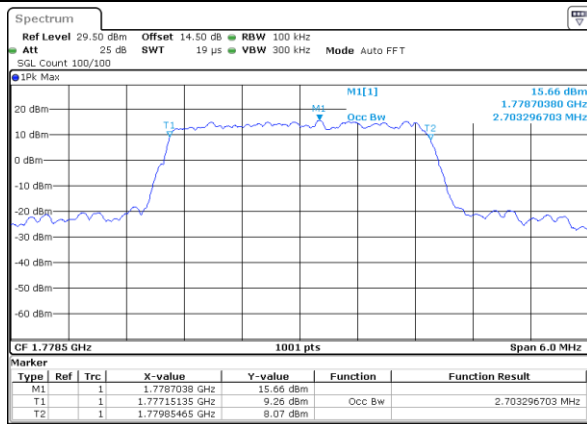
Date: 14.FEB.2021 10:12:53

## Middle Channel / 3MHz / 16QAM



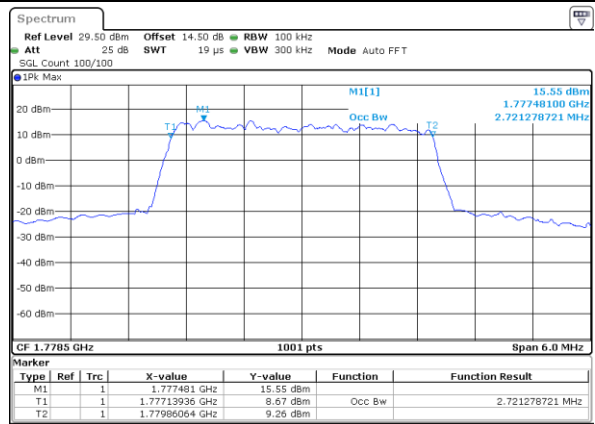
Date: 14.FEB.2021 10:13:05

## Highest Channel / 3MHz / QPSK



Date: 14.FEB.2021 10:15:19

## Highest Channel / 3MHz / 16QAM

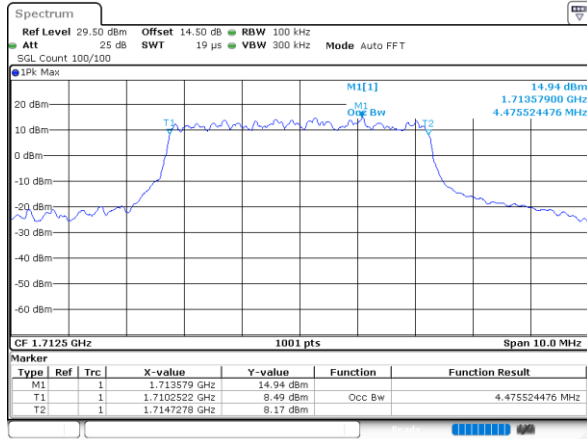


Date: 14.FEB.2021 10:15:32

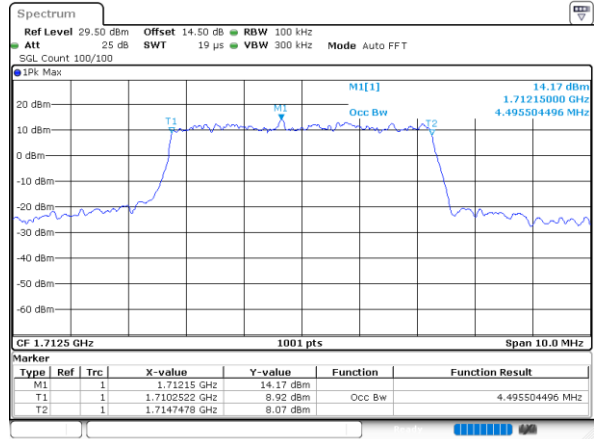


## LTE Band 66

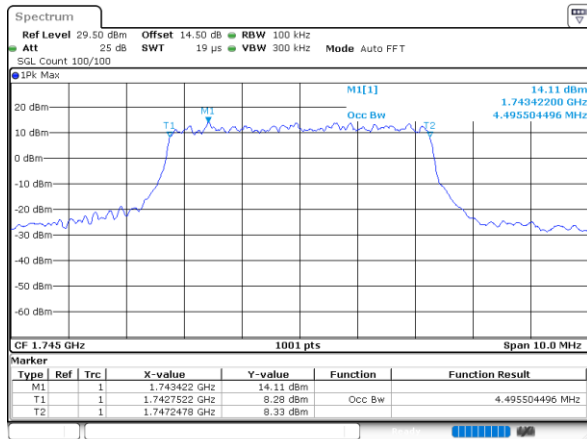
## Lowest Channel / 5MHz / QPSK



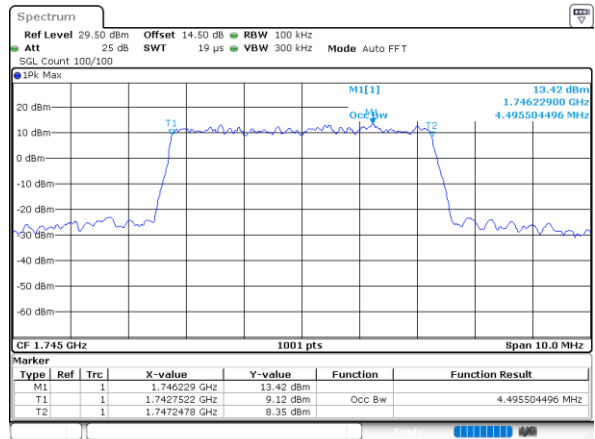
## Lowest Channel / 5MHz / 16QAM



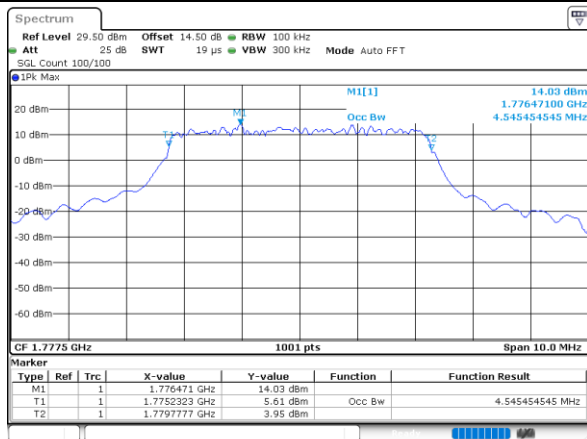
## Middle Channel / 5MHz / QPSK



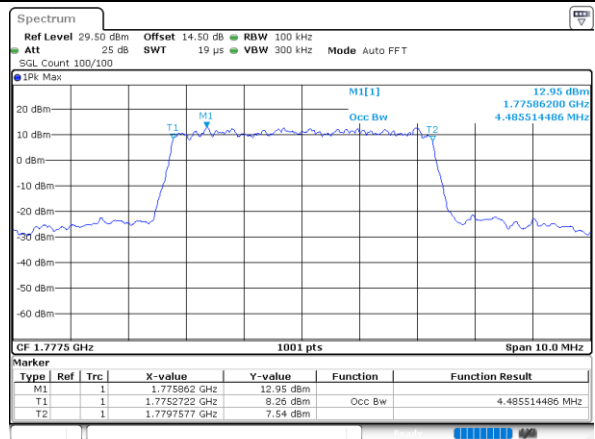
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



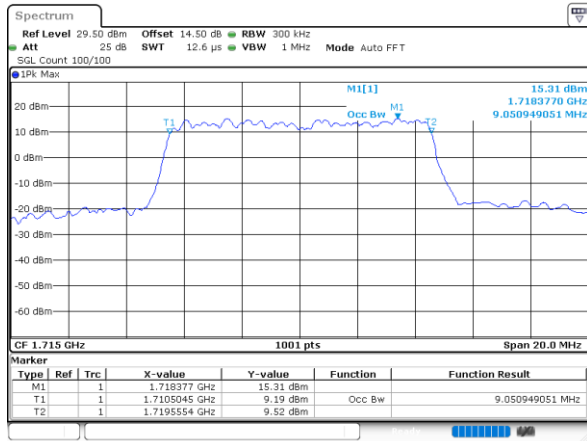
## Highest Channel / 5MHz / 16QAM



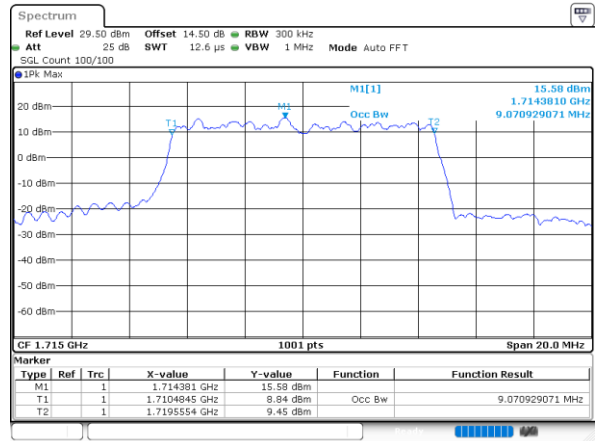


## LTE Band 66

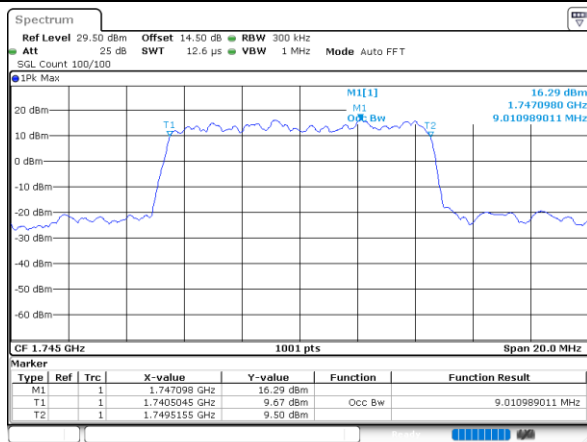
## Lowest Channel / 10MHz / QPSK



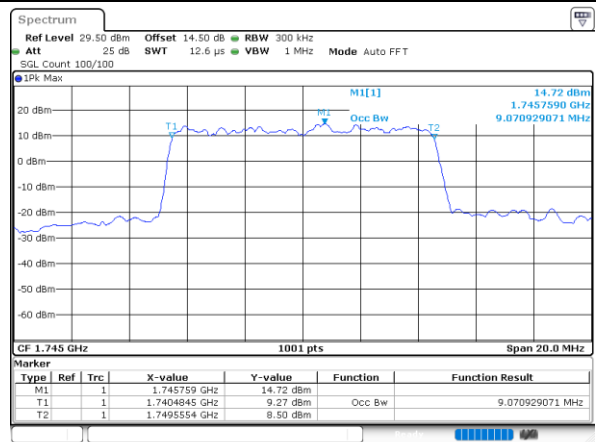
## Lowest Channel / 10MHz / 16QAM



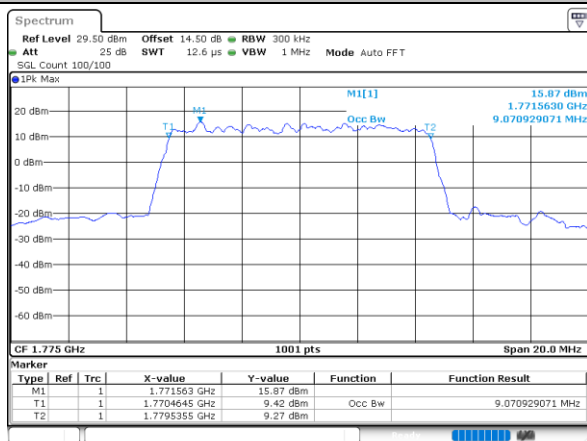
## Middle Channel / 10MHz / QPSK



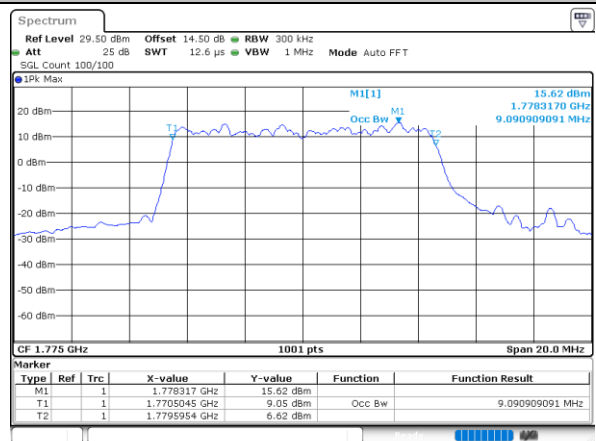
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



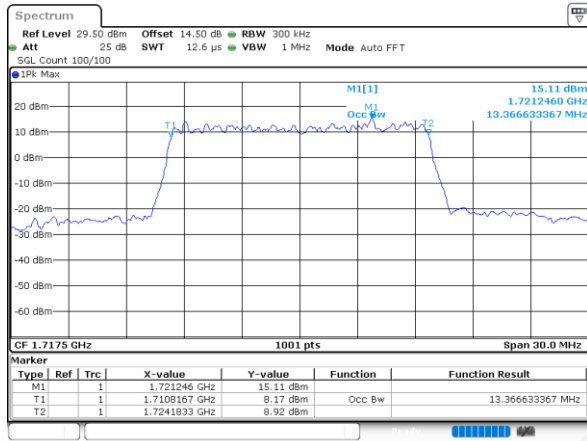
## Highest Channel / 10MHz / 16QAM



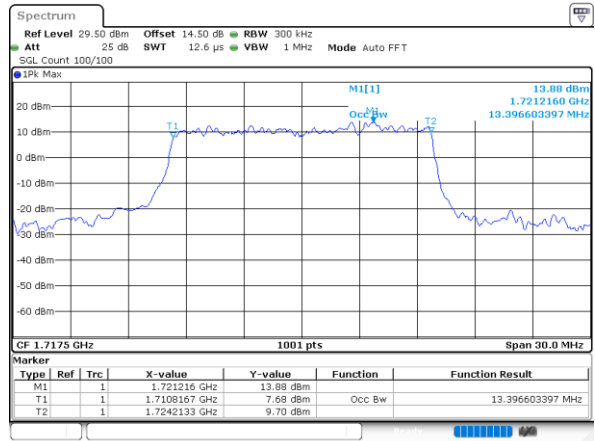


## LTE Band 66

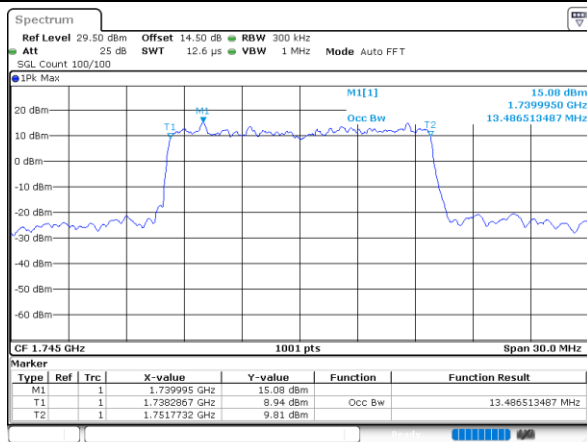
## Lowest Channel / 15MHz / QPSK



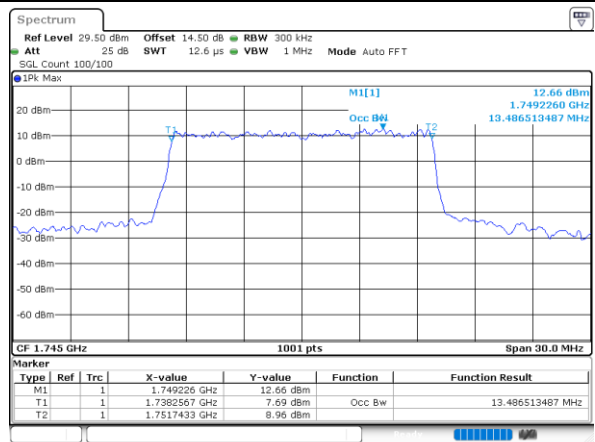
## Lowest Channel / 15MHz / 16QAM



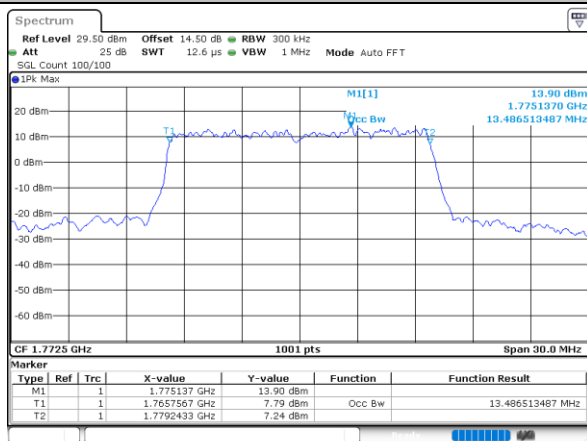
## Middle Channel / 15MHz / QPSK



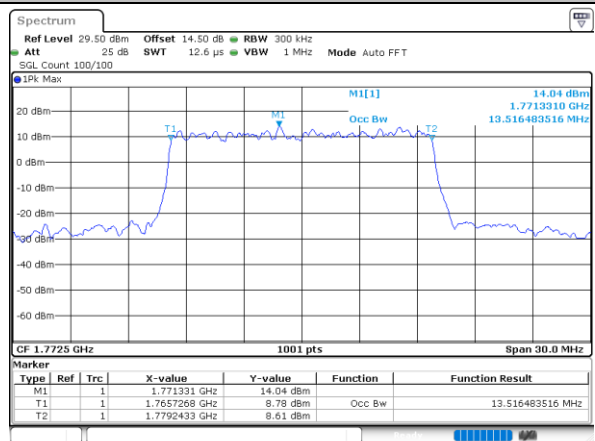
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



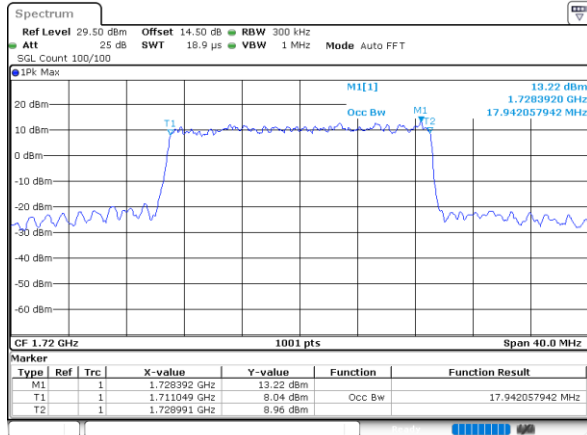
## Highest Channel / 15MHz / 16QAM



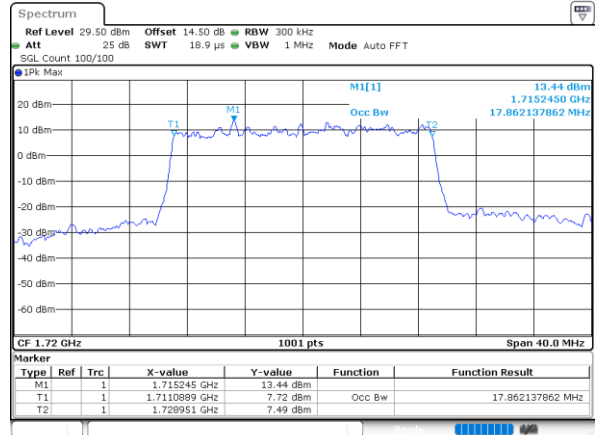


## LTE Band 66

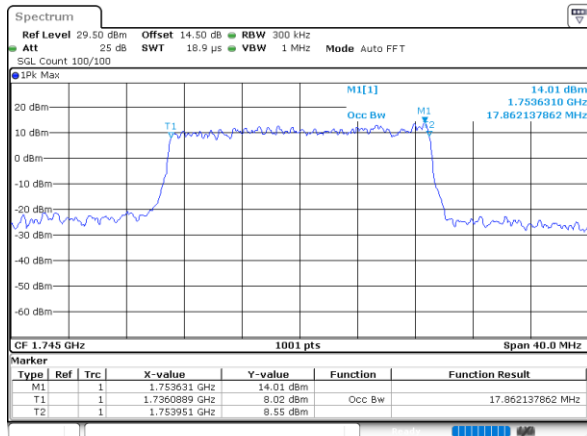
## Lowest Channel / 20MHz / QPSK



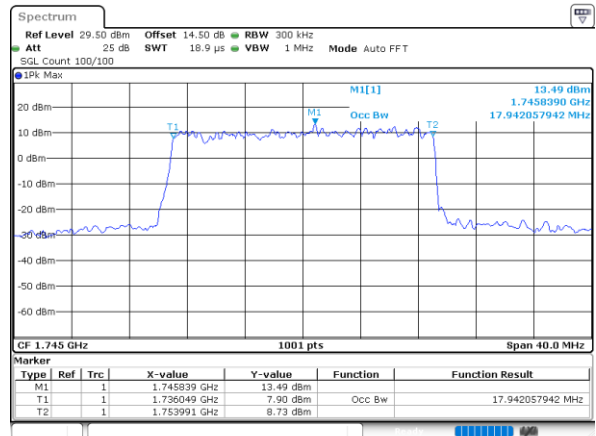
## Lowest Channel / 20MHz / 16QAM



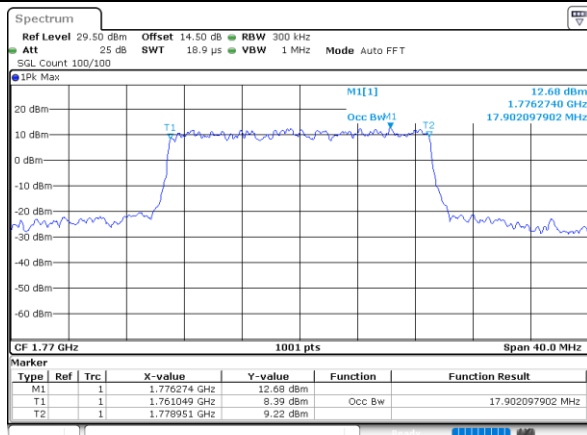
## Middle Channel / 20MHz / QPSK



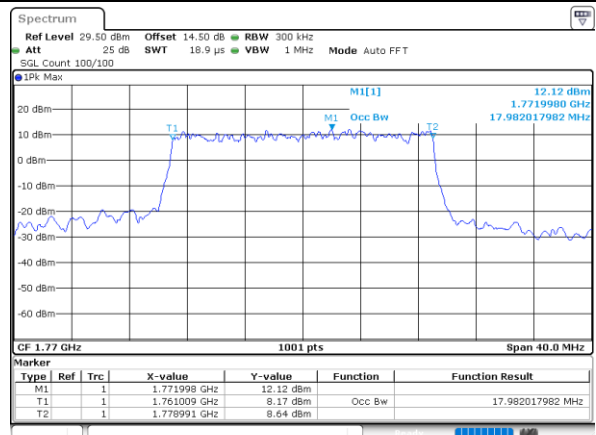
## Middle Channel / 20MHz / 16QAM

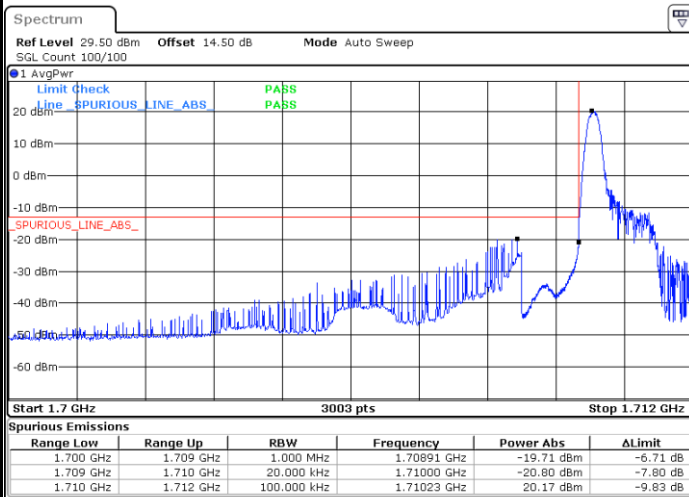
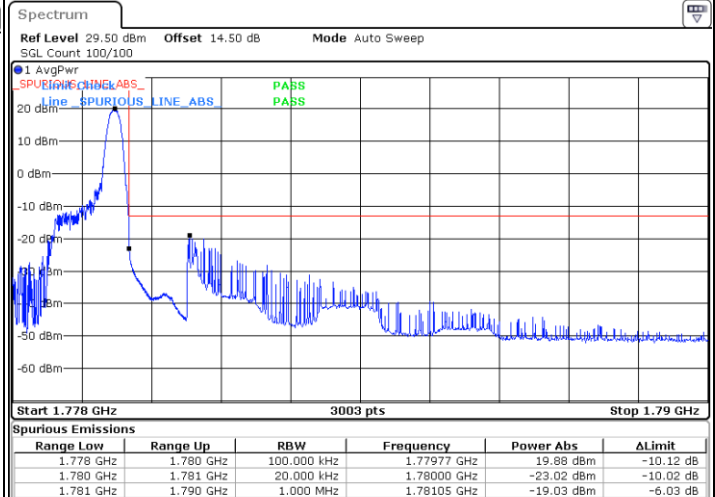
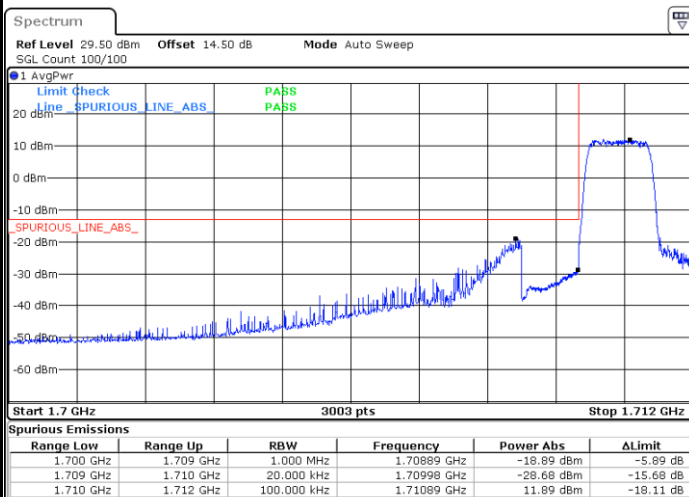
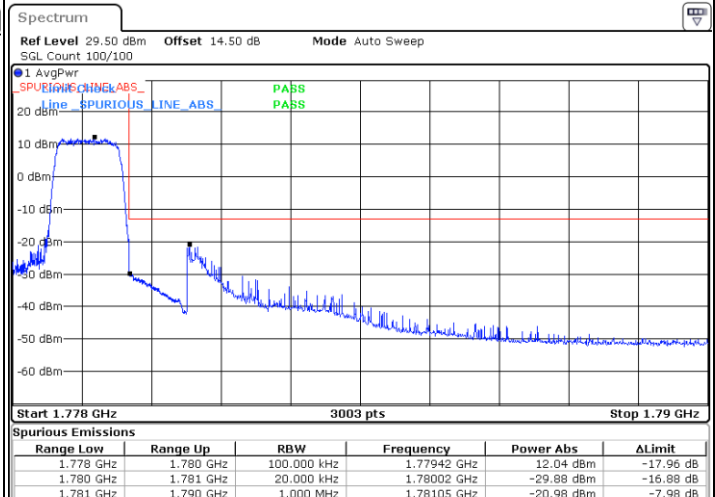


## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM

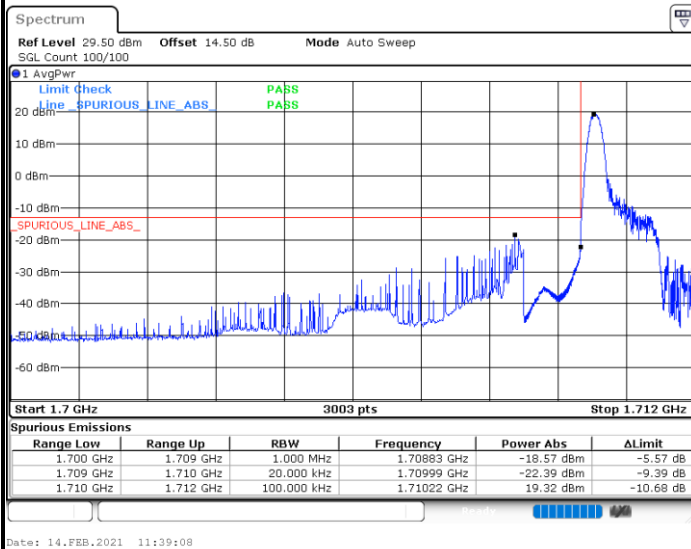


**Conducted Band Edge****LTE Band 66 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

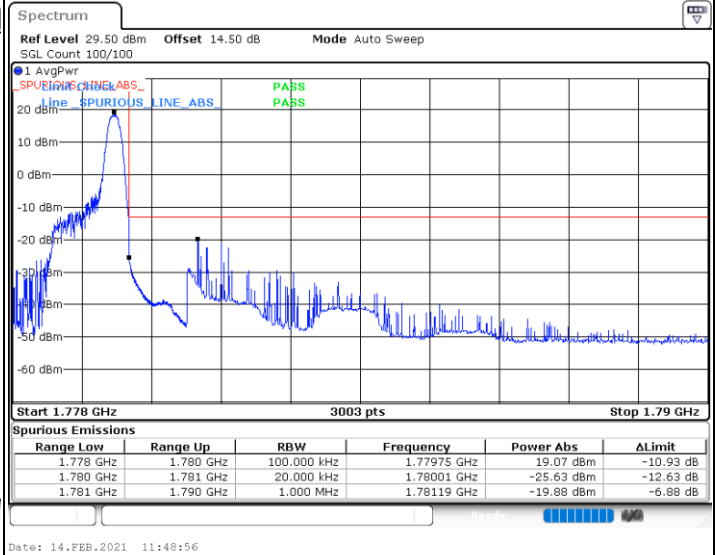


## LTE Band 66 / 1.4MHz / 16QAM

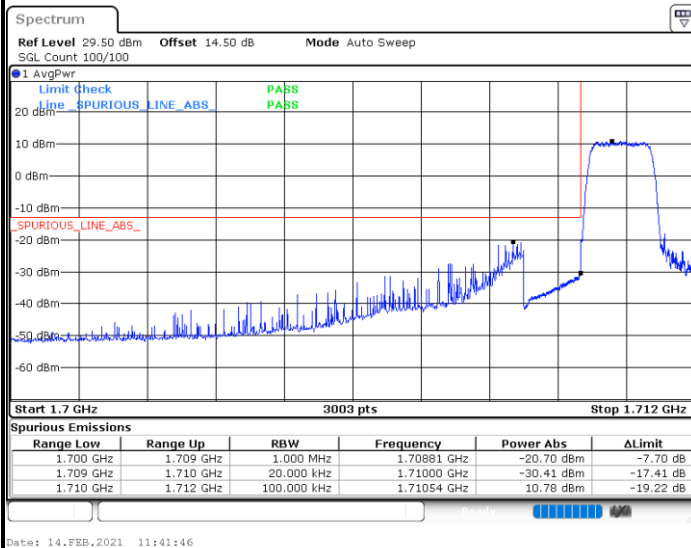
## Lowest Band Edge / 1 RB



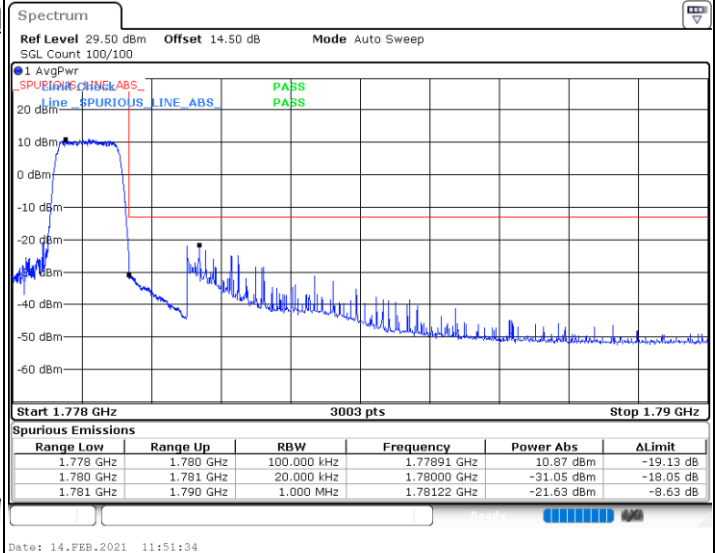
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



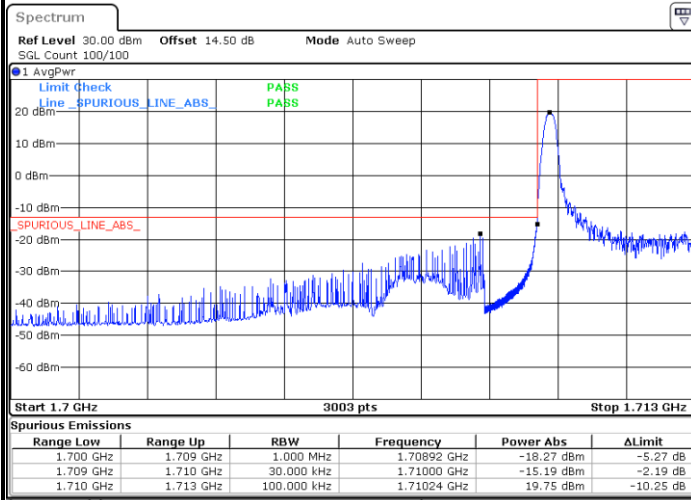
## Highest Band Edge / Full RB



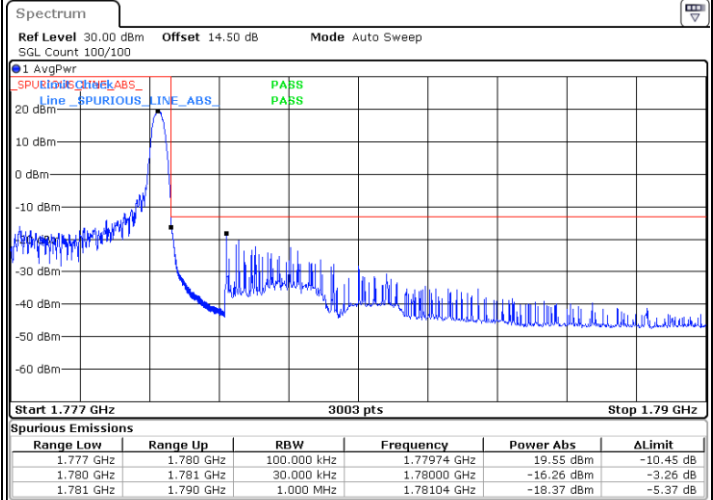


## LTE Band 66 / 3MHz / QPSK

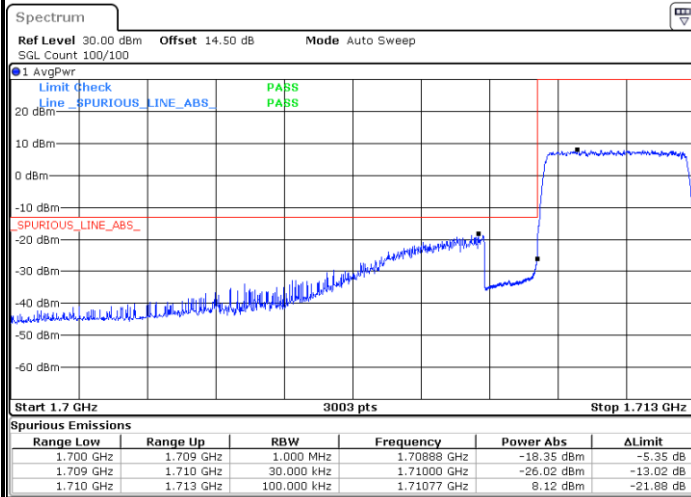
## Lowest Band Edge / 1RB



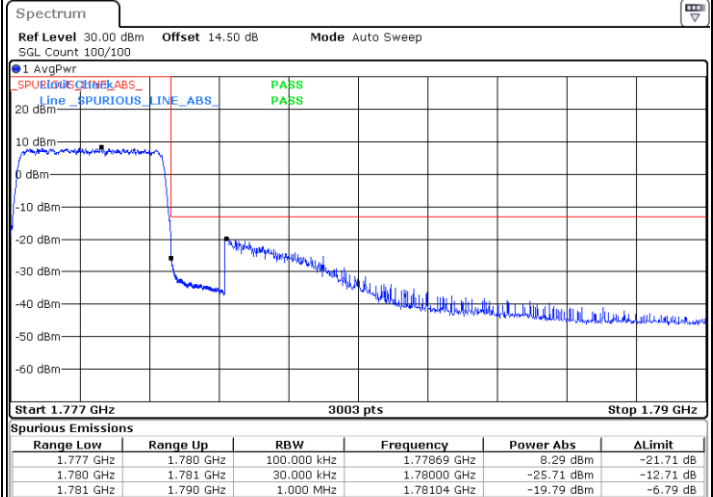
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



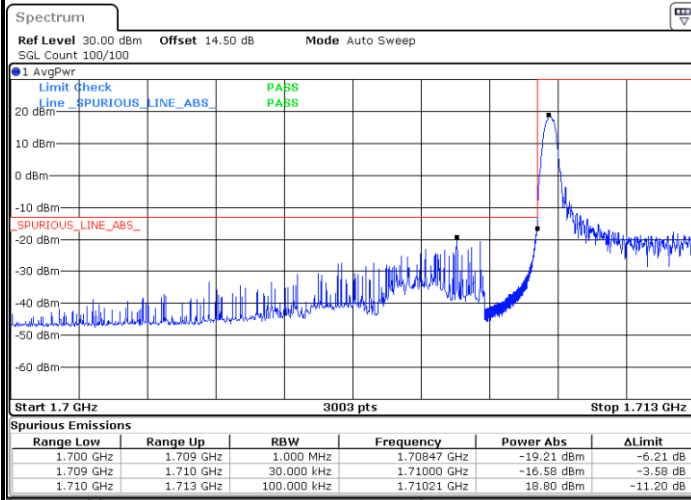
## Highest Band Edge / Full RB



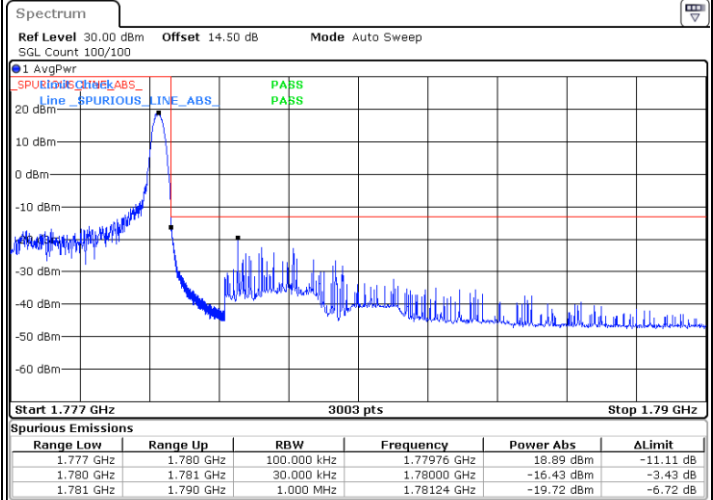


## LTE Band 66 / 3MHz / 16QAM

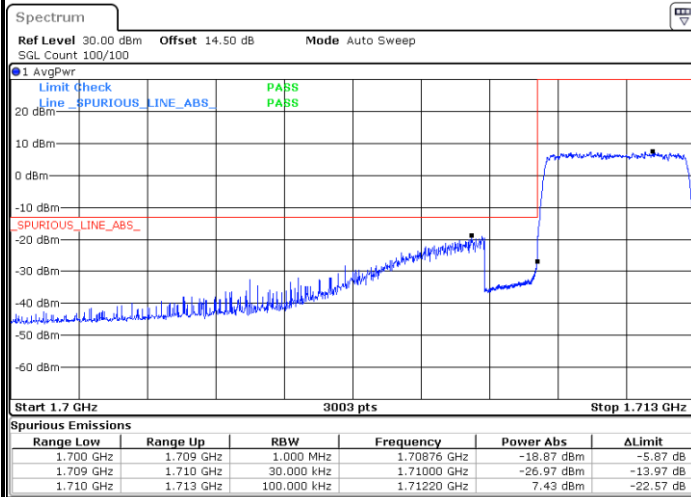
## Lowest Band Edge / 1 RB



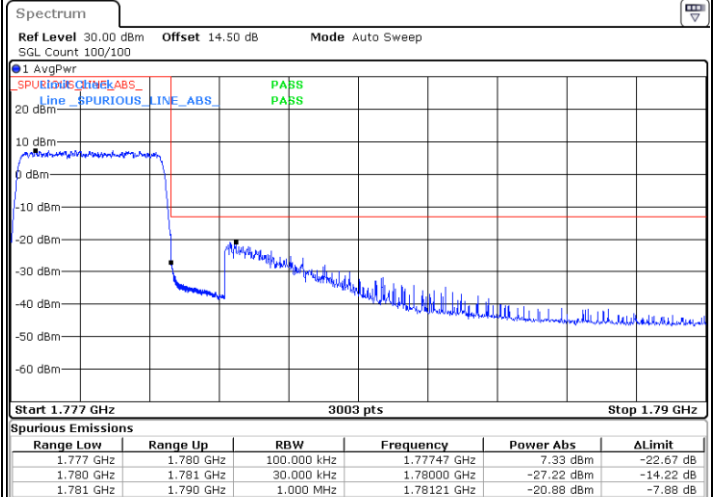
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



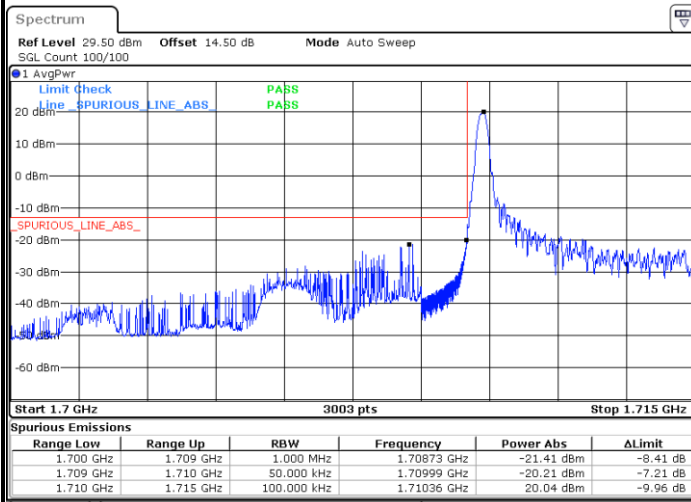
## Highest Band Edge / Full RB



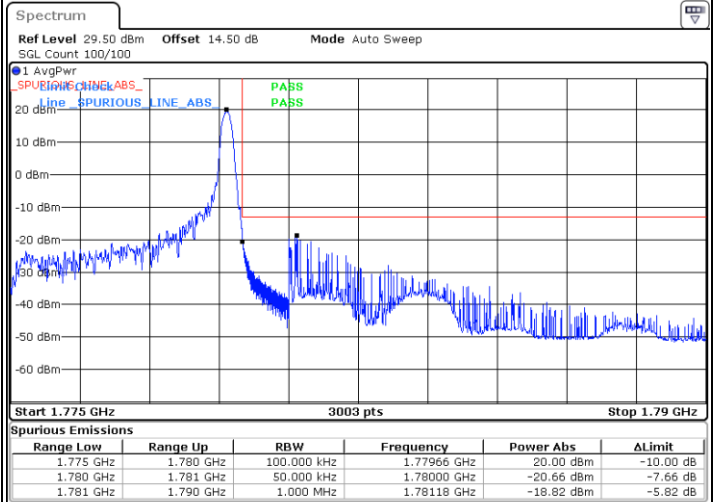


## LTE Band 66 / 5MHz / QPSK

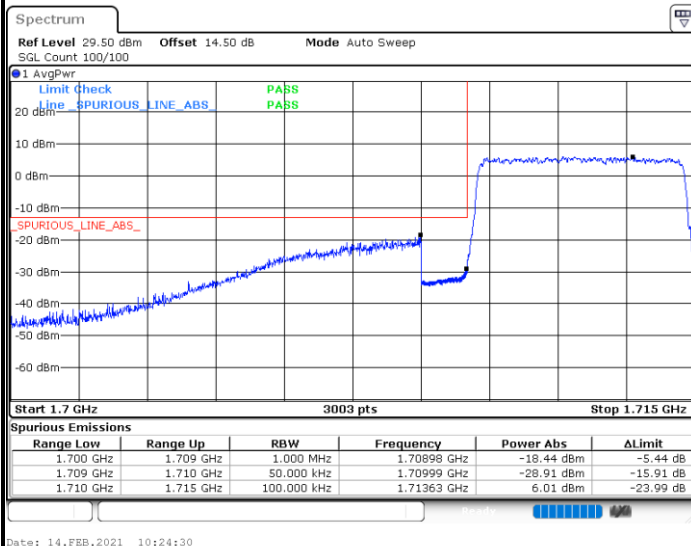
## Lowest Band Edge / 1 RB



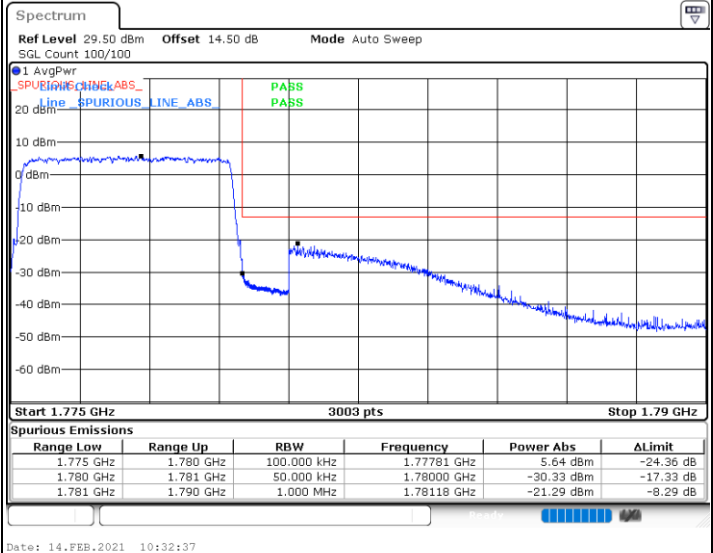
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



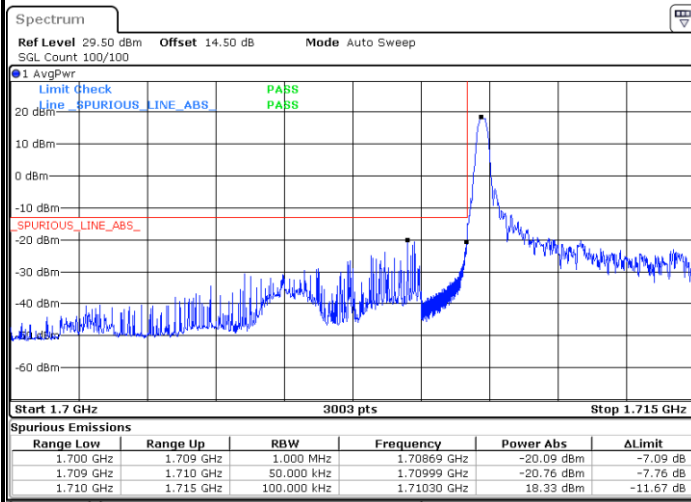
## Highest Band Edge / Full RB



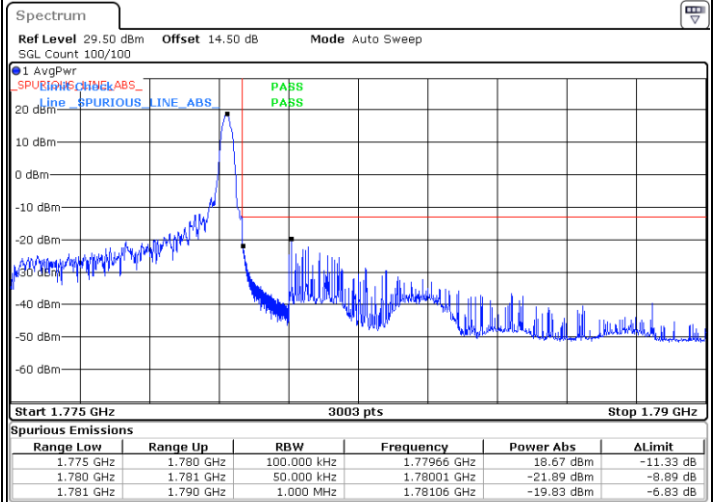


## LTE Band 66 / 5MHz / 16QAM

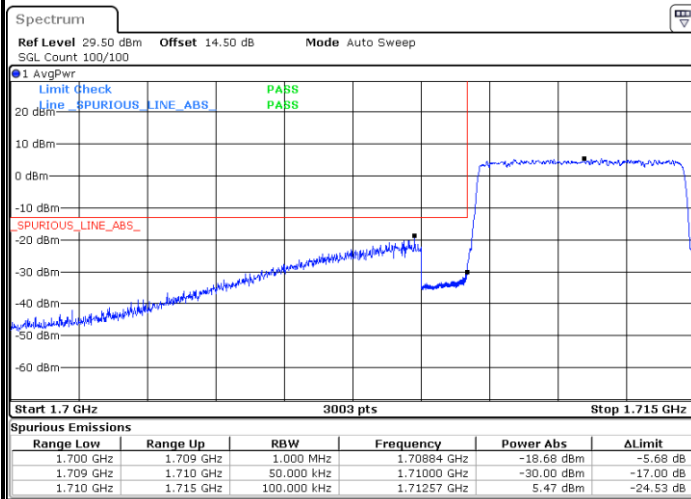
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

