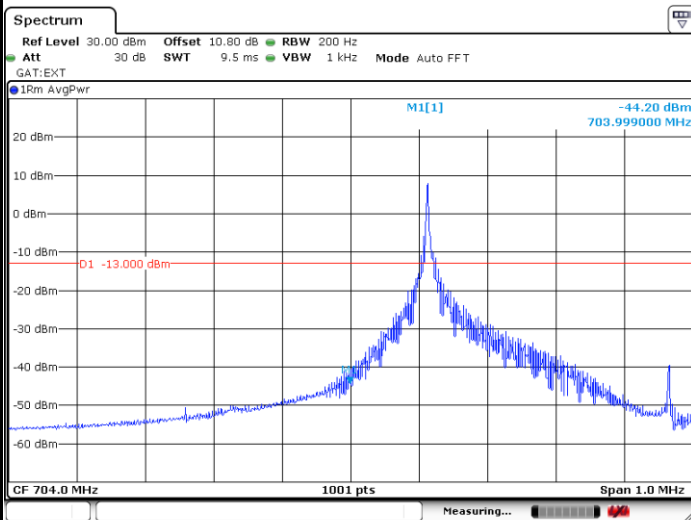
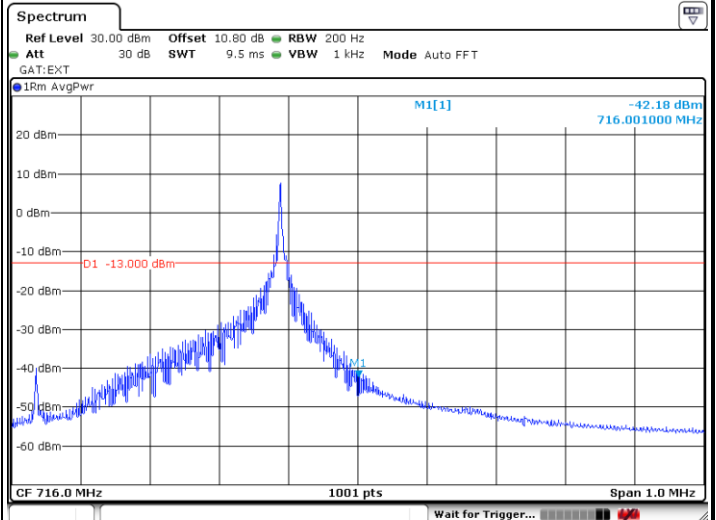
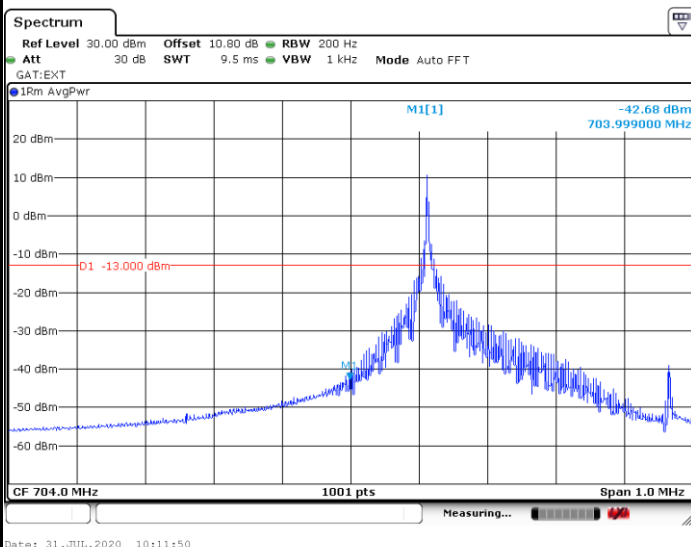
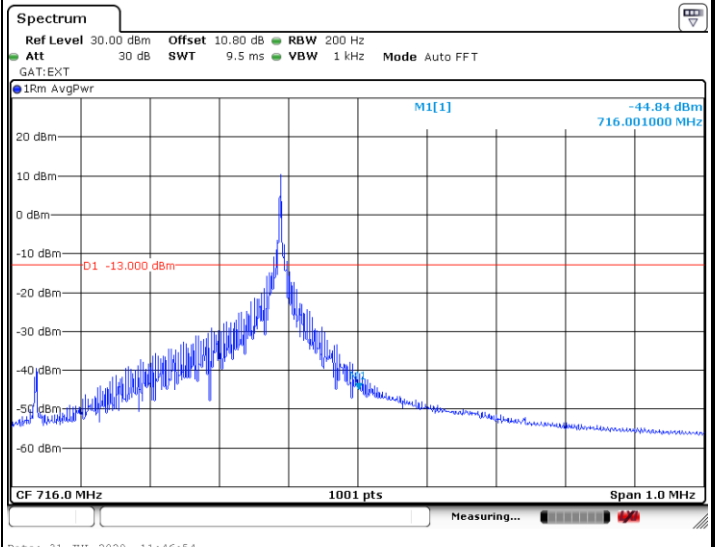
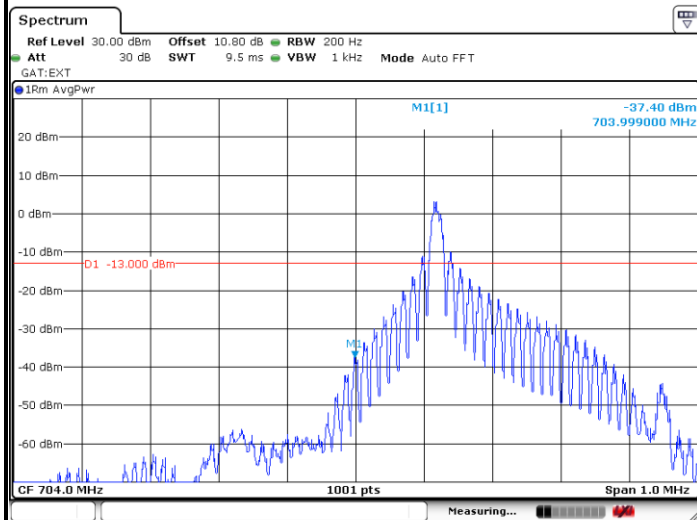


**Conducted Band Edge****LTE Band 17 / 3.75kHz / BPSK****Lowest Band Edge / 1 T****Highest Band Edge / 1 T****LTE Band 17 / 3.75kHz / QPSK****Lowest Band Edge / 1 T****Highest Band Edge / 1 T**

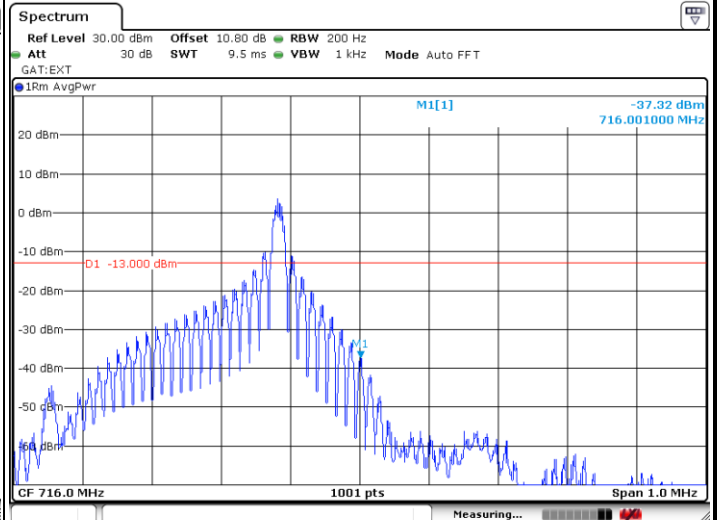


LTE Band 17 / 15kHz / BPSK

Lowest Band Edge / 1 T



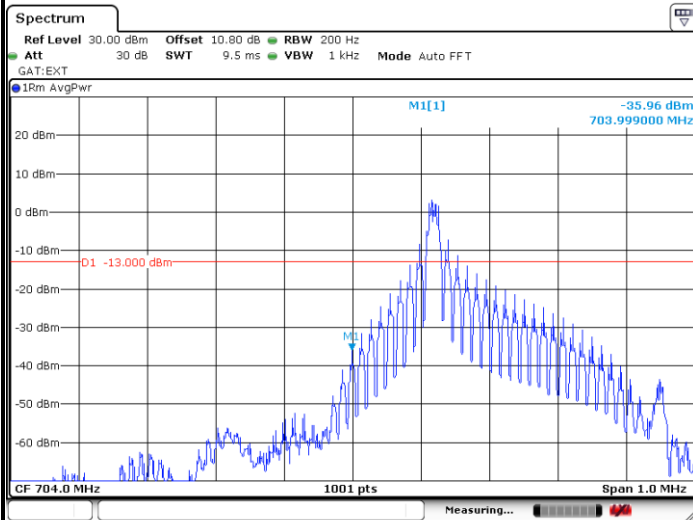
Highest Band Edge / 1 T



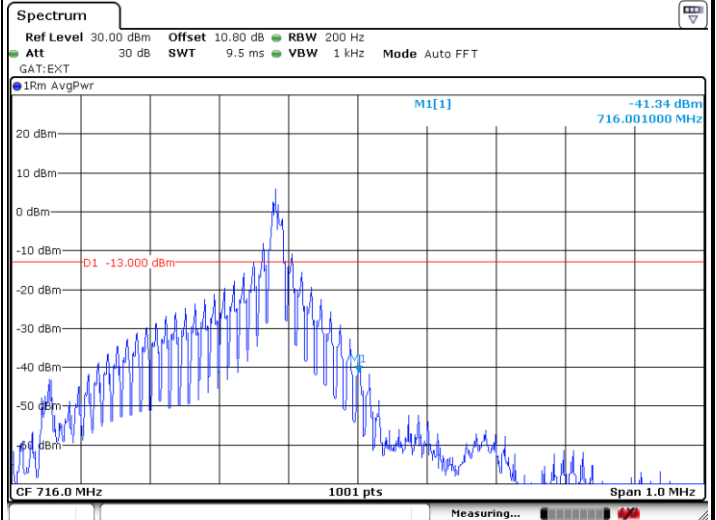


## LTE Band 17 / 15kHz / QPSK

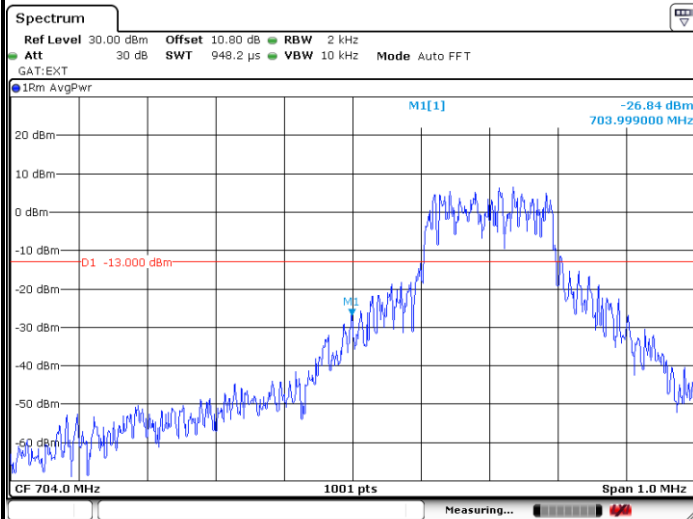
## Lowest Band Edge / 1 T



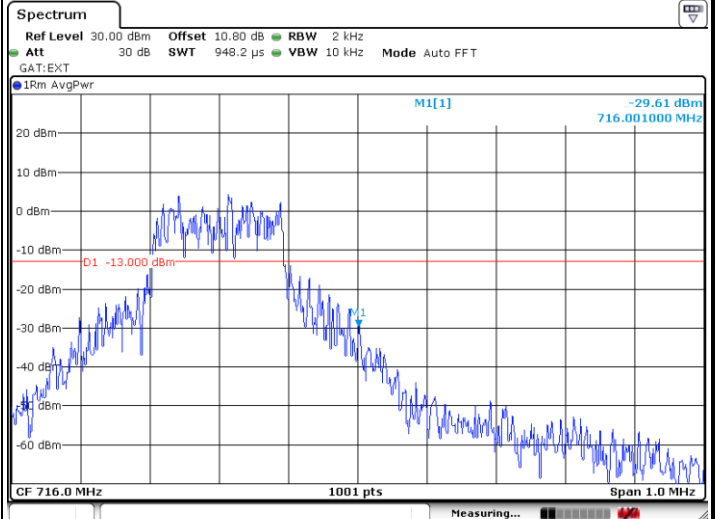
## Highest Band Edge / 1 T



## Lowest Band Edge / Full T



## Highest Band Edge / Full T

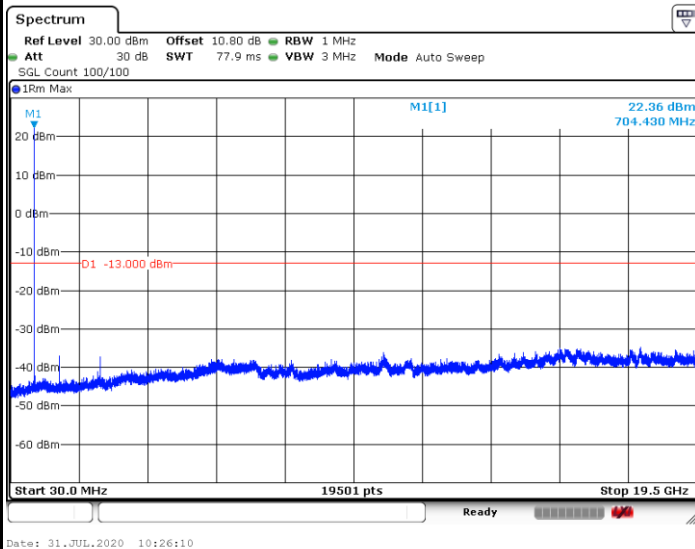




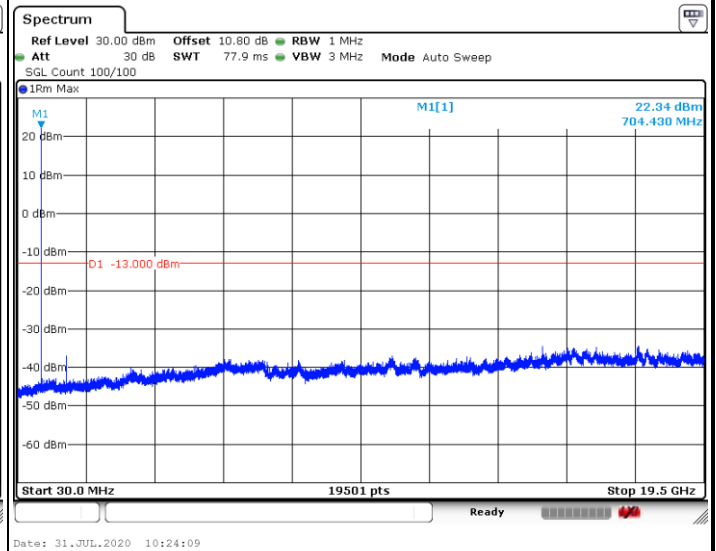
## Conducted Spurious Emission

### LTE Band 17 / 3.75kHz

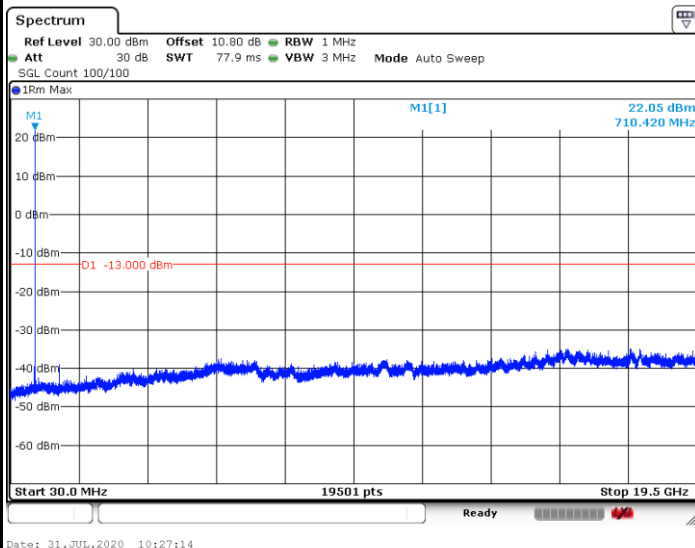
#### Lowest Channel / BPSK



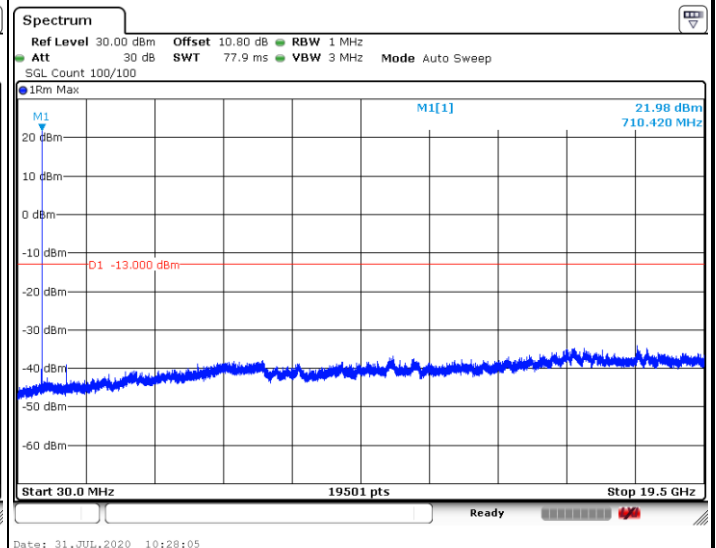
#### Lowest Channel / QPSK



#### Middle Channel / BPSK



#### Middle Channel / QPSK

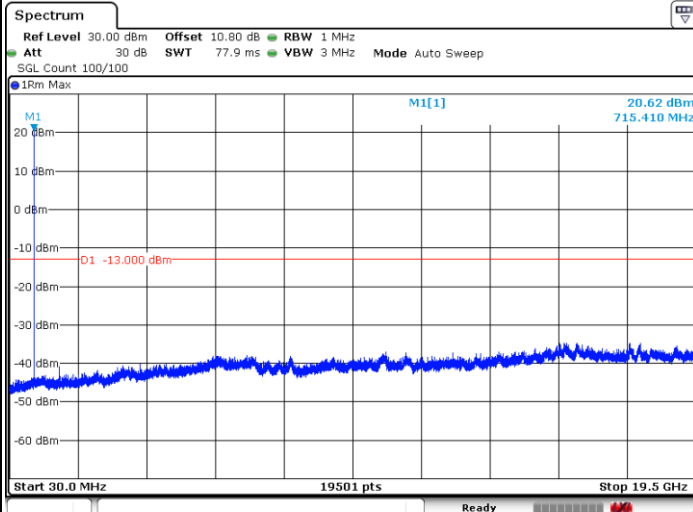




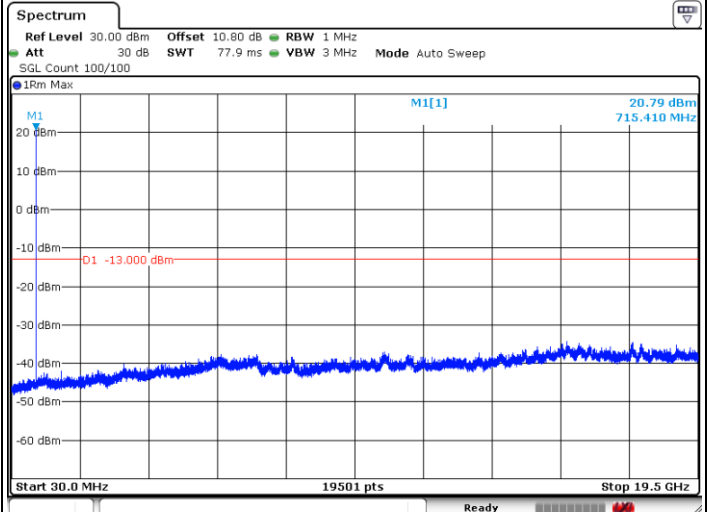
LTE Band 17 / 3.75kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 31.JUL.2020 11:53:25

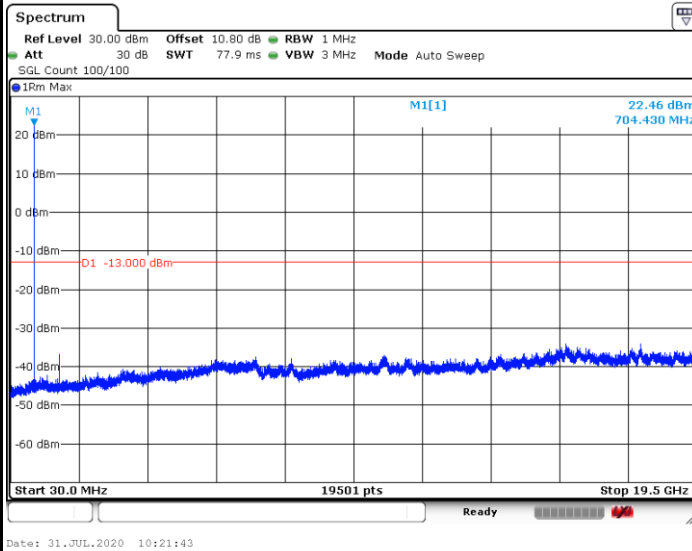


Date: 31.JUL.2020 11:52:28

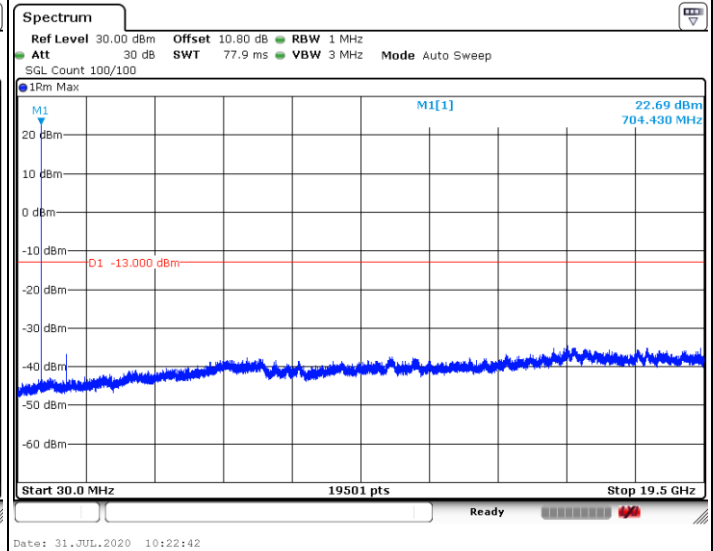


## LTE Band 17 / 15kHz

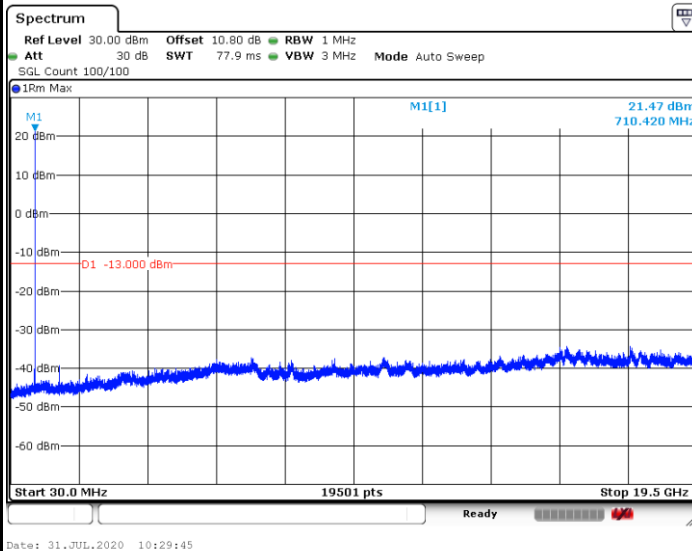
## Lowest Channel / BPSK



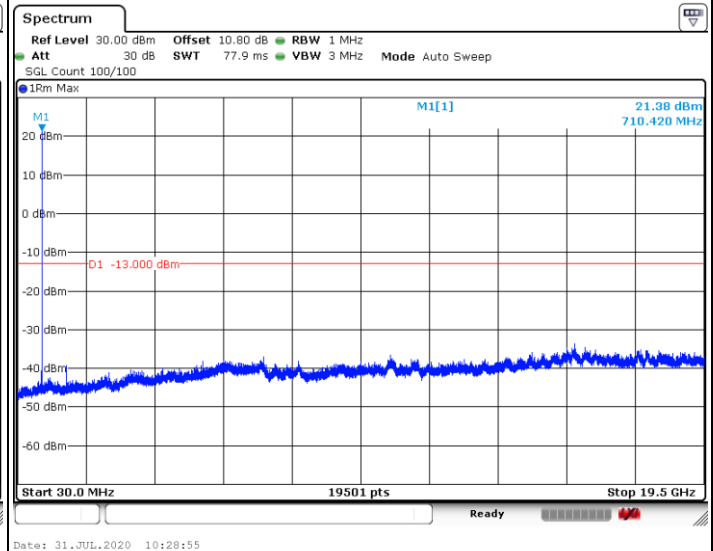
## Lowest Channel / QPSK



## Middle Channel / BPSK



## Middle Channel / QPSK

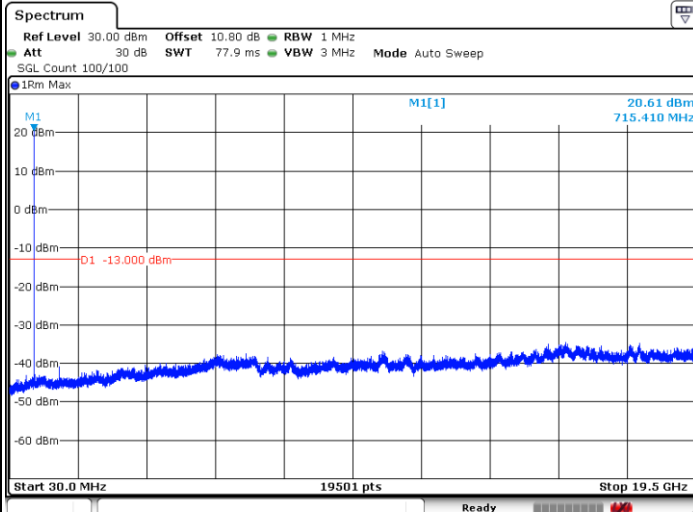




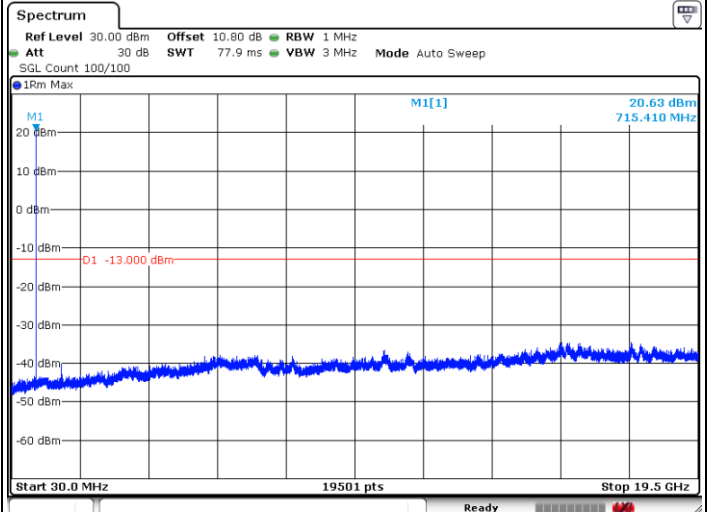
LTE Band 17 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 31.JUL.2020 11:51:32



Date: 31.JUL.2020 11:50:37

## Frequency Stability

| Test Conditions  |                   | LTE Band 17 (BPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 15kHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0000                              | PASS    |
| 40               | Normal Voltage    | 0.0214                              |         |
| 30               | Normal Voltage    | 0.0077                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0000                              |         |
| 0                | Normal Voltage    | 0.0068                              |         |
| -10              | Normal Voltage    | 0.0176                              |         |
| -20              | Normal Voltage    | 0.0197                              |         |
| -30              | Normal Voltage    | 0.0076                              |         |
| 20               | Maximum Voltage   | 0.0244                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0010                              |         |

**Note:**

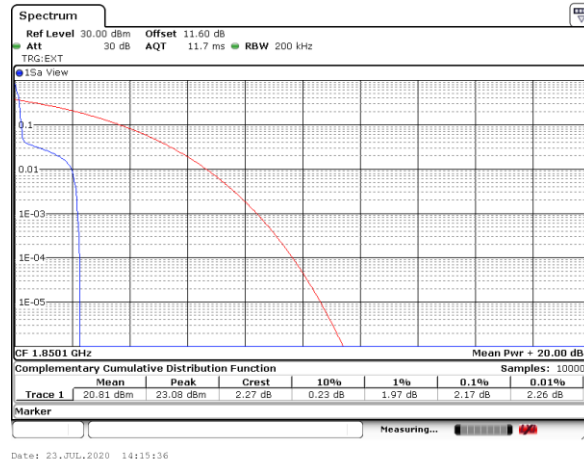
1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



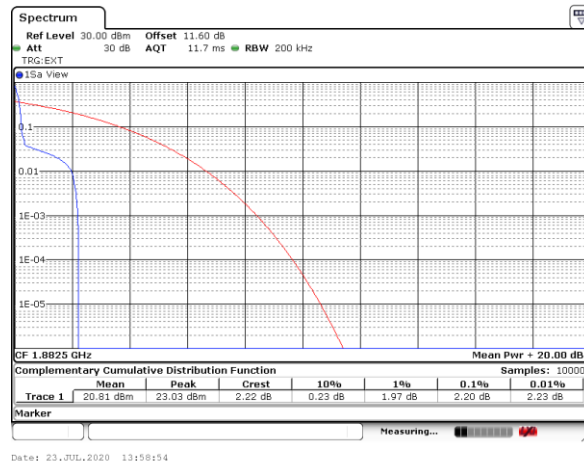
## LTE Band 25

### Peak-to-Average Ratio

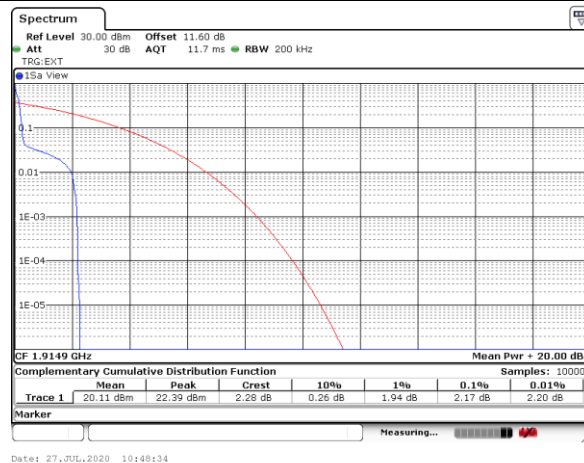
| Mode       | LTE Band 25 / 15kHz |      |        |             |
|------------|---------------------|------|--------|-------------|
| Mod.       | BPSK                | QPSK |        | Limit: 13dB |
| T Size     | 1T                  | 1T   | Full T | Result      |
| Lowest CH  | 2.17                | 1.74 | 4.00   | PASS        |
| Middle CH  | 2.20                | 1.71 | 3.88   |             |
| Highest CH | 2.17                | 1.71 | 3.83   |             |

**LTE Band 25 / 15kHz / BPSK**
**Lowest Channel / 1T**


Date: 23.JUL.2020 14:15:36

**Middle Channel/ 1T**


Date: 23.JUL.2020 13:58:54

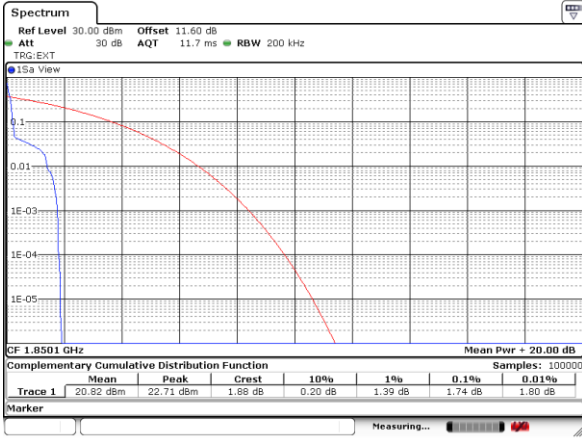
**Highest Channel/ 1T**


Date: 27.JUL.2020 10:48:34

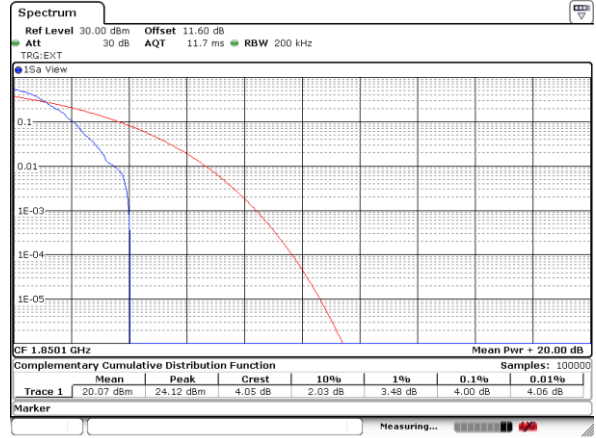


## LTE Band 25 / 15kHz / QPSK

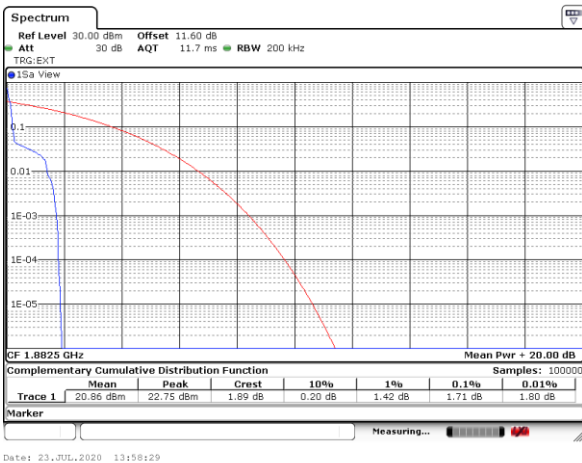
## Lowest Channel / 1T



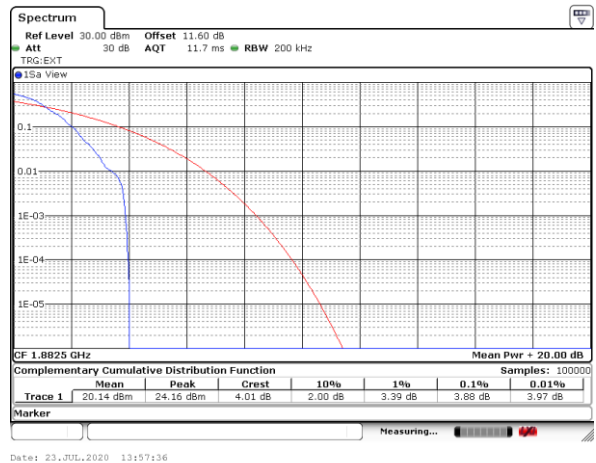
## Lowest Channel / Full T



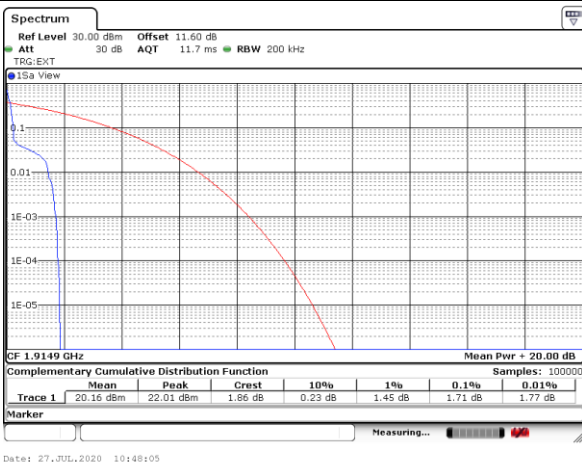
## Middle Channel/ 1T



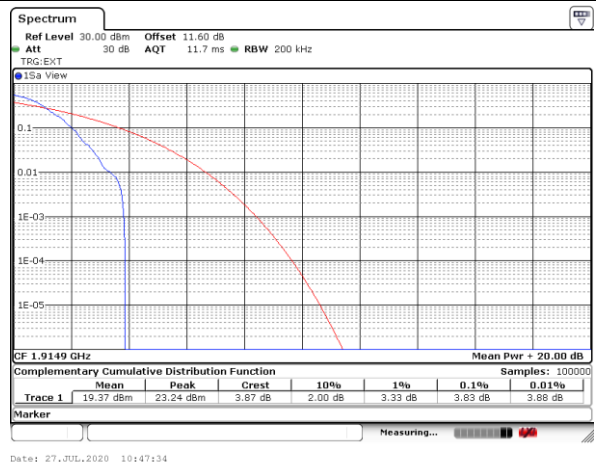
## Middle Channel / Full T



## Highest Channel/ 1T



## Highest Channel / Full T



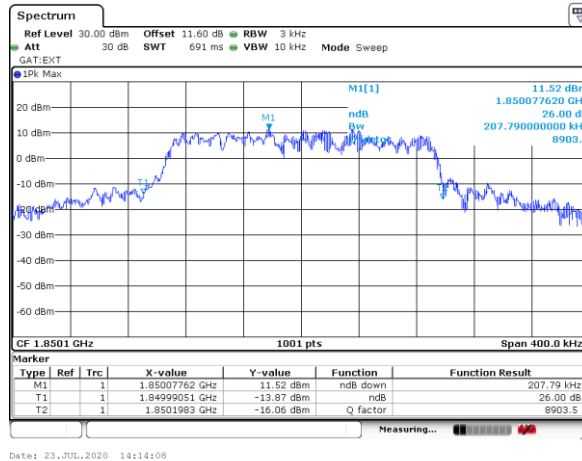
**26dB Bandwidth**

| Mode               | LTE Band 25 : 26dB(kHz) |
|--------------------|-------------------------|
| Subcarrier Spacing | 15k                     |
| Mod.               | QPSK                    |
| Lowest CH          | 207.79                  |
| Middle CH          | 209.39                  |
| Highest CH         | 209.39                  |

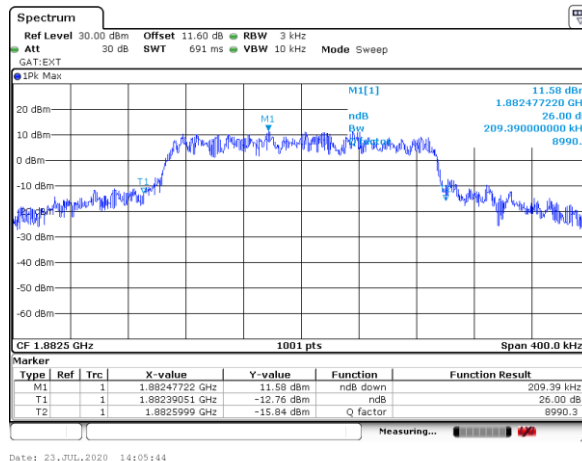


LTE Band 25

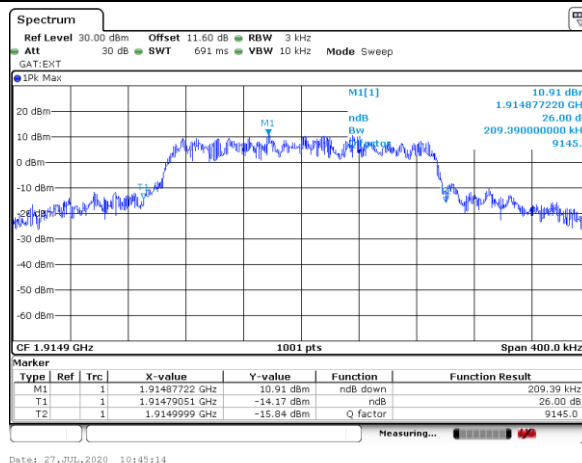
Lowest Channel / 15kHz / QPSK



Middle Channel / 15kHz / QPSK



Highest Channel / 15kHz / QPSK



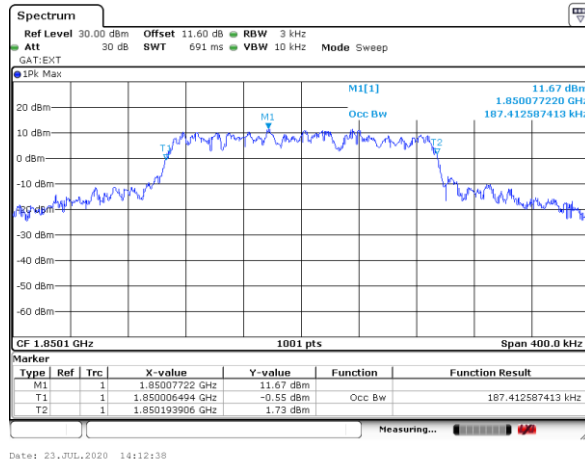
**Occupied Bandwidth**

| Mode               | LTE Band 25 : OB(kHz) |
|--------------------|-----------------------|
| Subcarrier Spacing | 15k                   |
| Mod.               | QPSK                  |
| Lowest CH          | 187.41                |
| Middle CH          | 187.81                |
| Highest CH         | 187.81                |

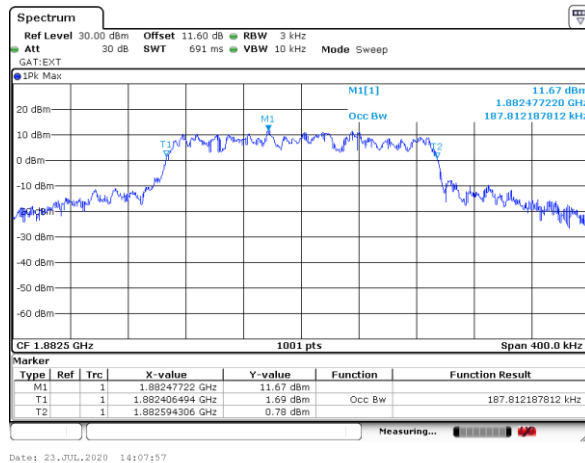


## LTE Band 25

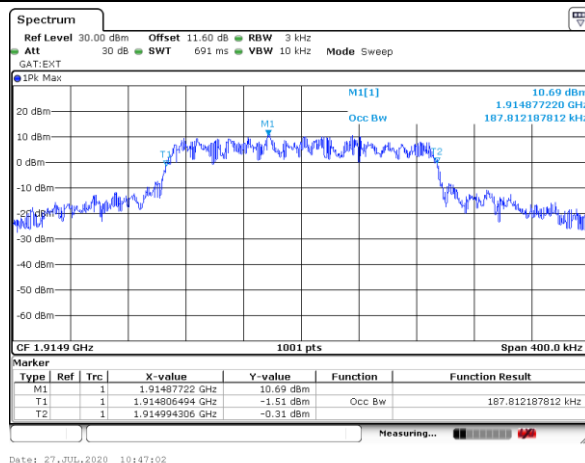
## Lowest Channel / 15kHz / QPSK



## Middle Channel / 15kHz / QPSK



## Highest Channel / 15kHz / QPSK

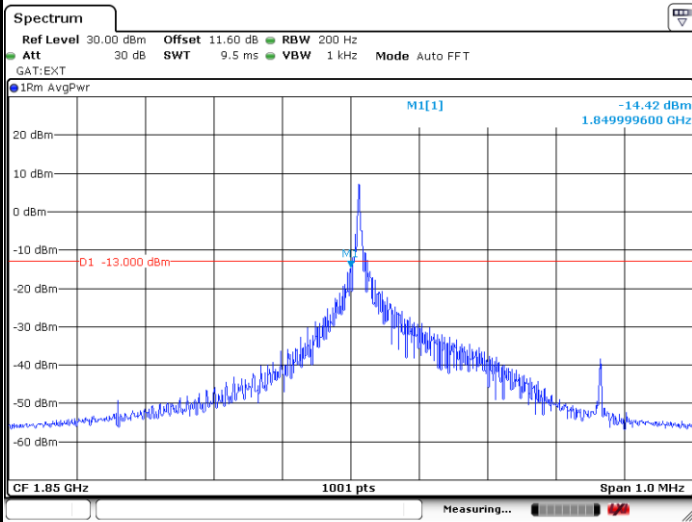




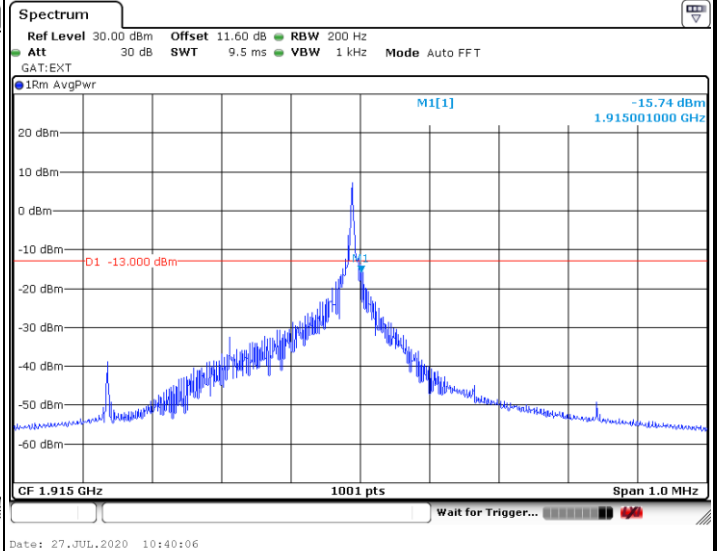
## Conducted Band Edge

### LTE Band 25 / 3.75kHz / BPSK

#### Lowest Band Edge / 1 T

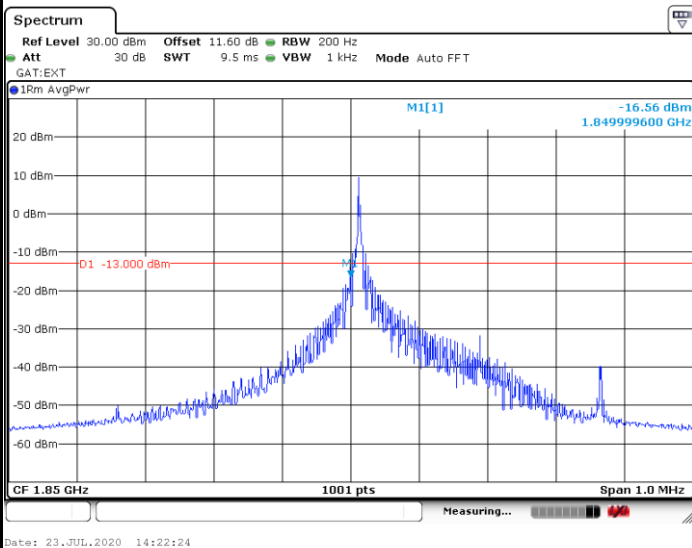


#### Highest Band Edge / 1 T

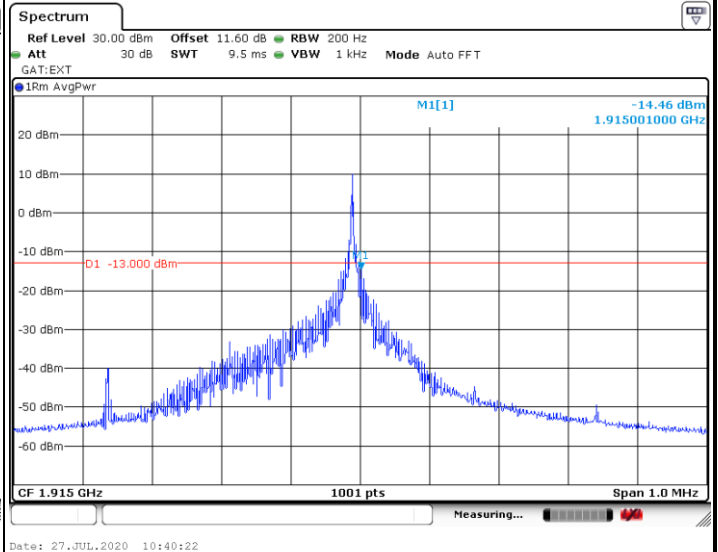


### LTE Band 25 / 3.75kHz / QPSK

#### Lowest Band Edge / 1 T



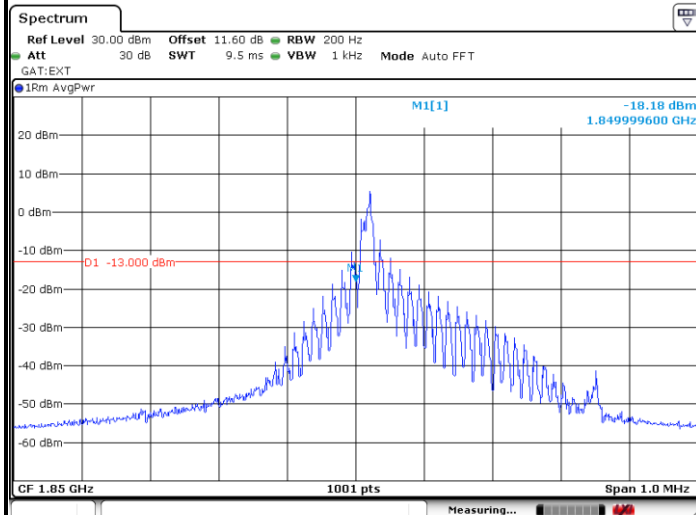
#### Highest Band Edge / 1 T





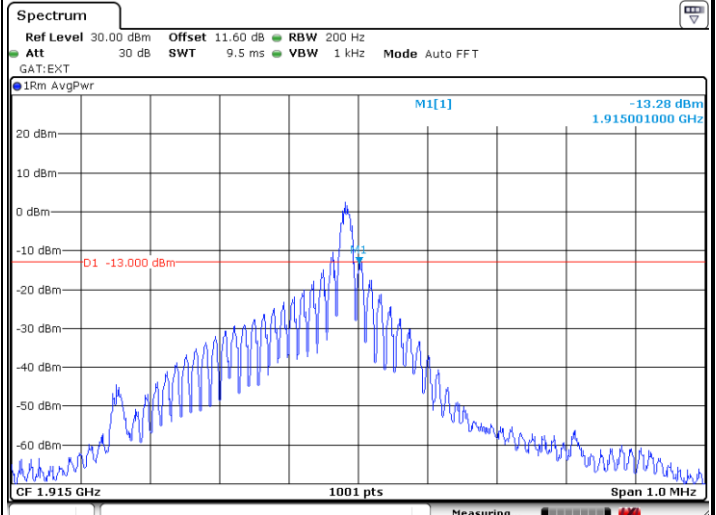
LTE Band 25 / 15kHz / BPSK

Lowest Band Edge / 1 T



Date: 23.JUL.2020 14:19:53

Highest Band Edge / 1 T

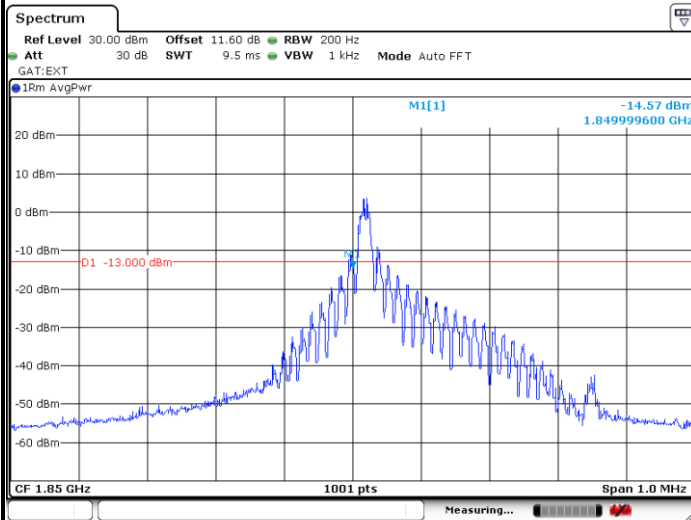


Date: 27.JUL.2020 10:42:22

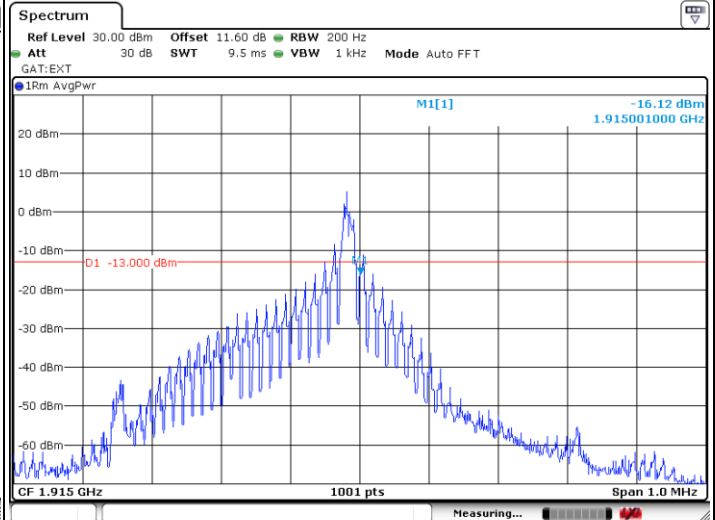


## LTE Band 25 / 15kHz / QPSK

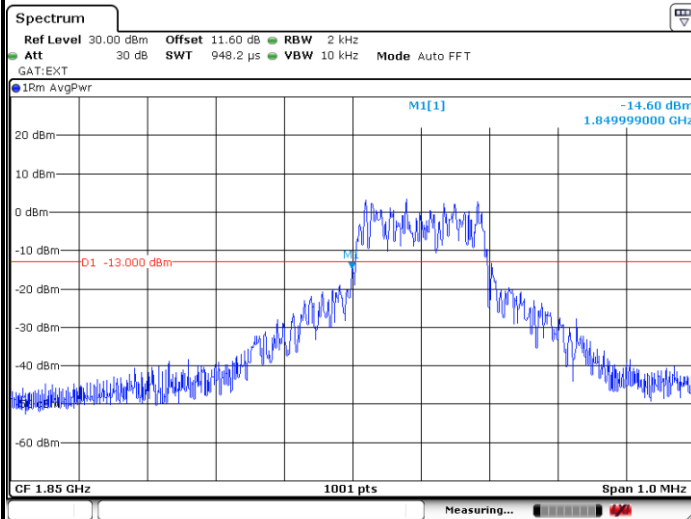
## Lowest Band Edge / 1 T



## Highest Band Edge / 1 T



## Lowest Band Edge / Full T



## Highest Band Edge / Full T

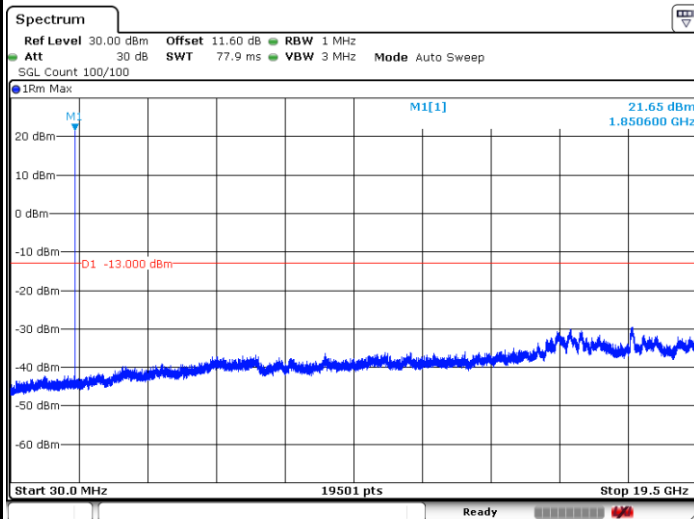




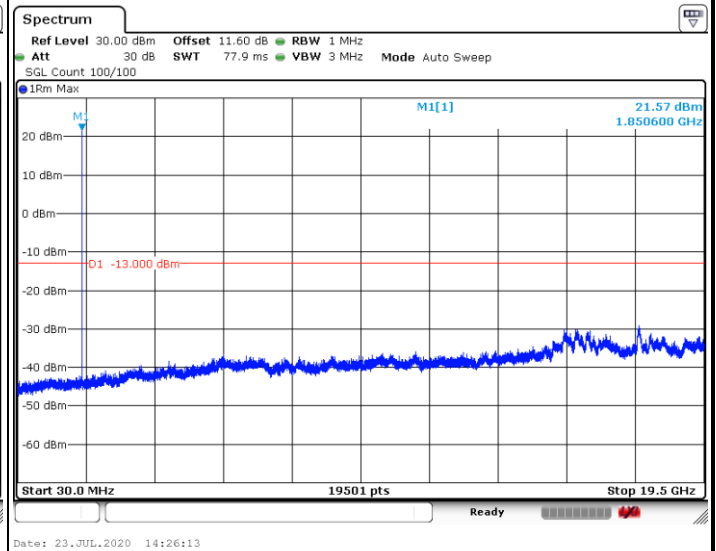
## Conducted Spurious Emission

### LTE Band 25 / 3.75kHz

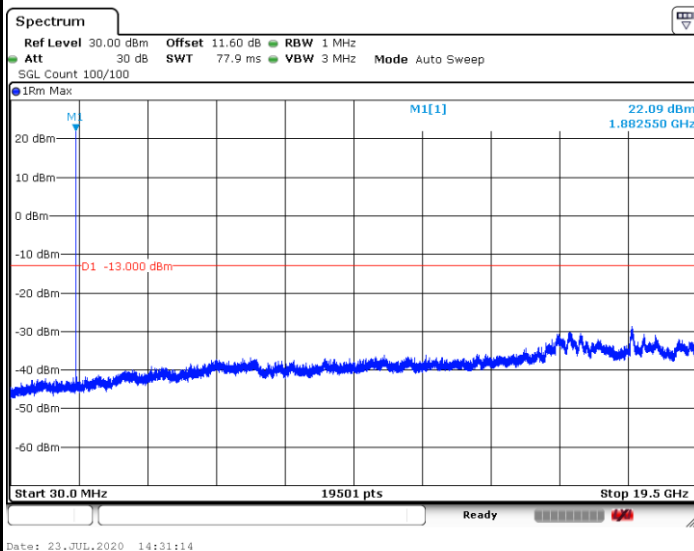
#### Lowest Channel / BPSK



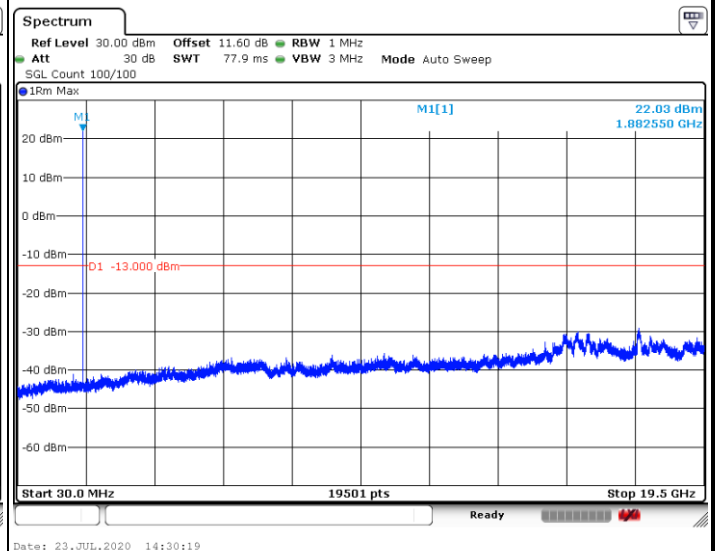
#### Lowest Channel / QPSK



#### Middle Channel / BPSK



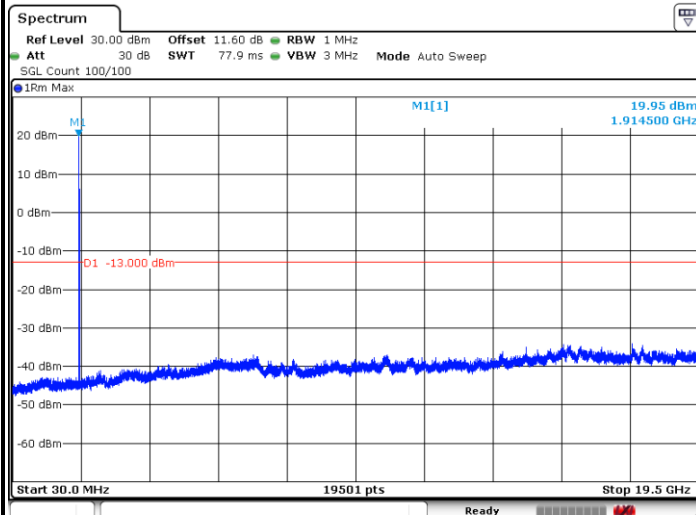
#### Middle Channel / QPSK



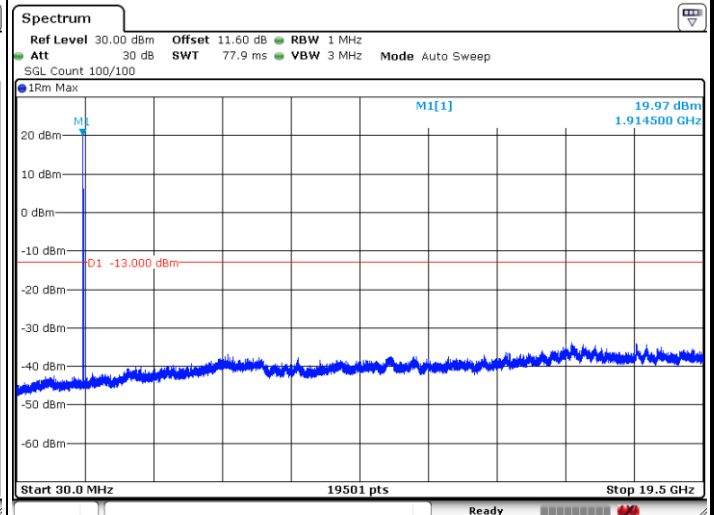


LTE Band 25 / 3.75kHz

Highest Channel / BPSK



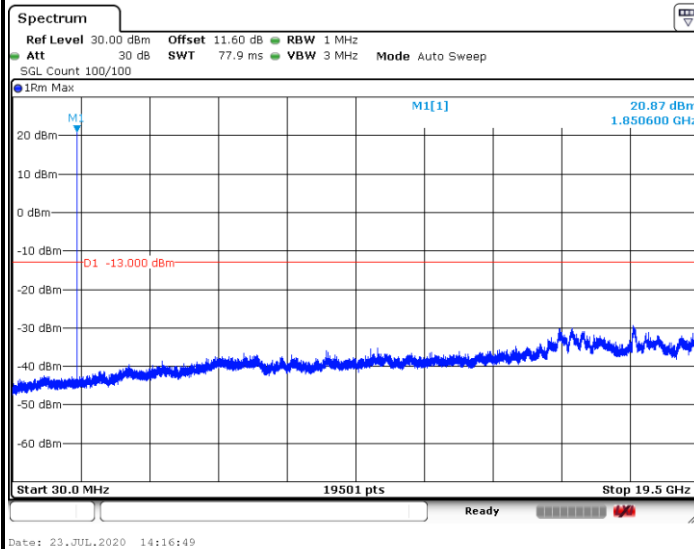
Highest Channel / QPSK



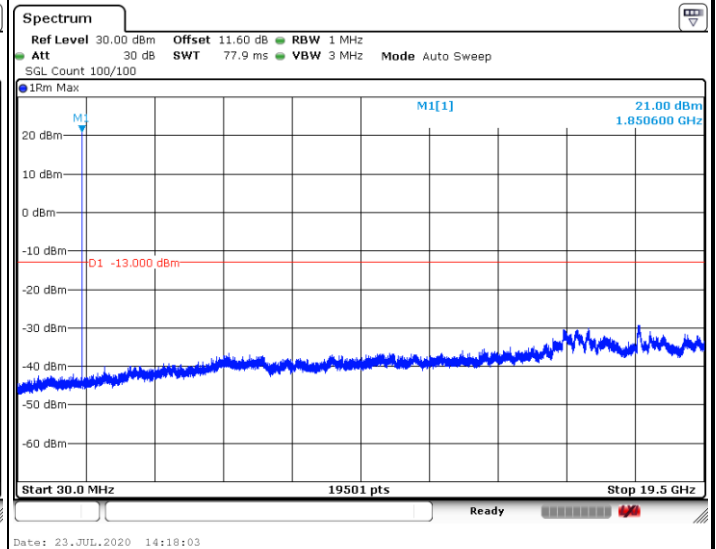


## LTE Band 25 / 15kHz

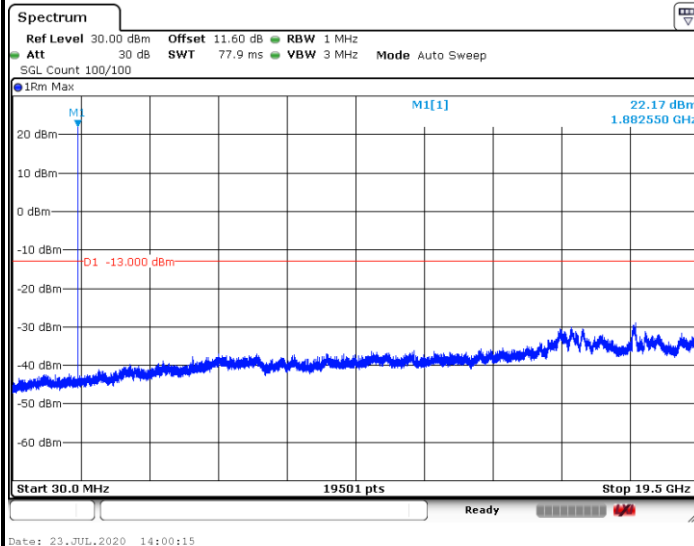
## Lowest Channel / BPSK



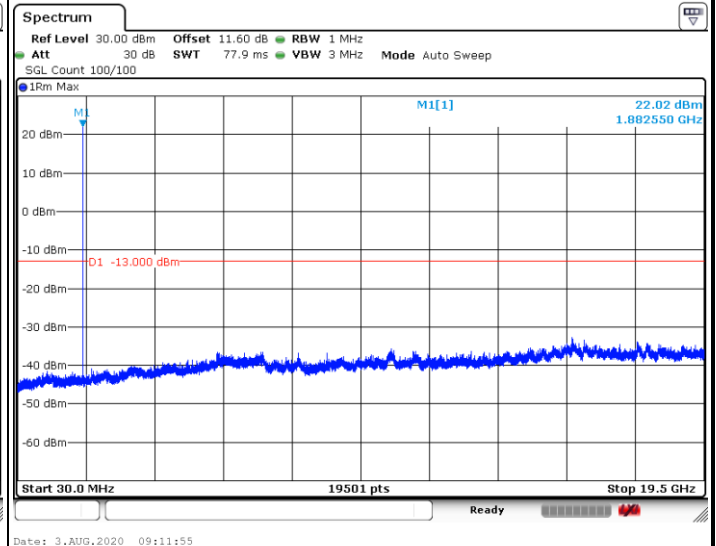
## Lowest Channel / QPSK



## Middle Channel / BPSK



## Middle Channel / QPSK

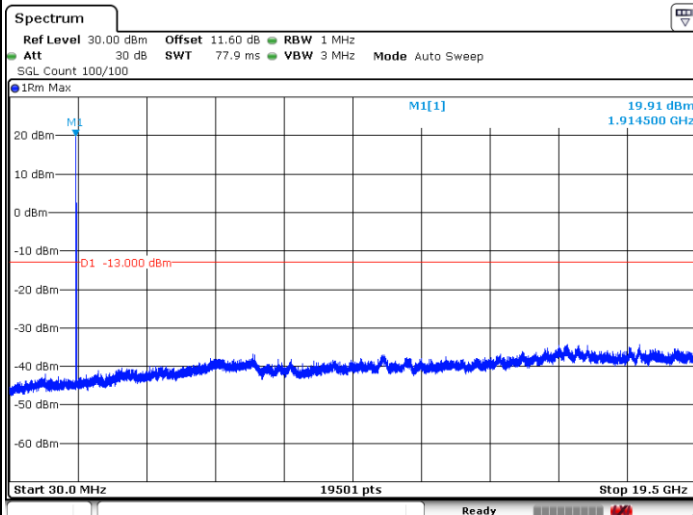




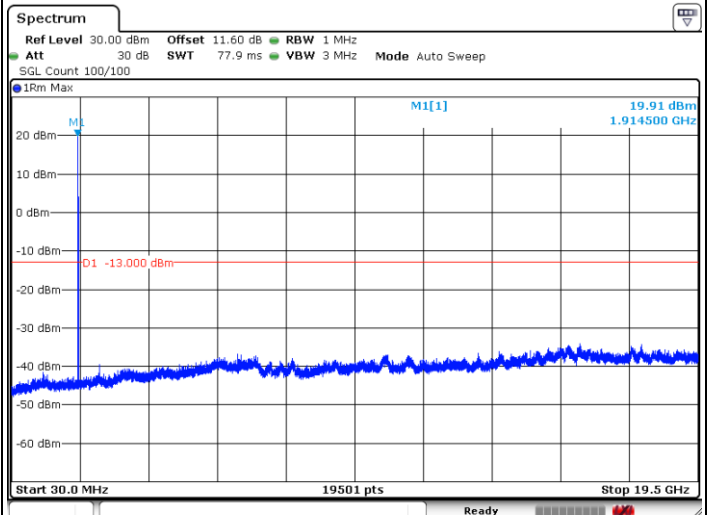
LTE Band 25 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 27.JUL.2020 10:49:26



Date: 27.JUL.2020 10:50:46

## Frequency Stability

| Test Conditions     |                   | LTE Band 25 (BPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 15kHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0003                              | PASS    |
| 40                  | Normal Voltage    | 0.0003                              |         |
| 30                  | Normal Voltage    | 0.0092                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0100                              |         |
| 0                   | Normal Voltage    | 0.0001                              |         |
| -10                 | Normal Voltage    | 0.0009                              |         |
| -20                 | Normal Voltage    | 0.0064                              |         |
| -30                 | Normal Voltage    | 0.0036                              |         |
| 20                  | Maximum Voltage   | 0.0004                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0096                              |         |

**Note:**

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



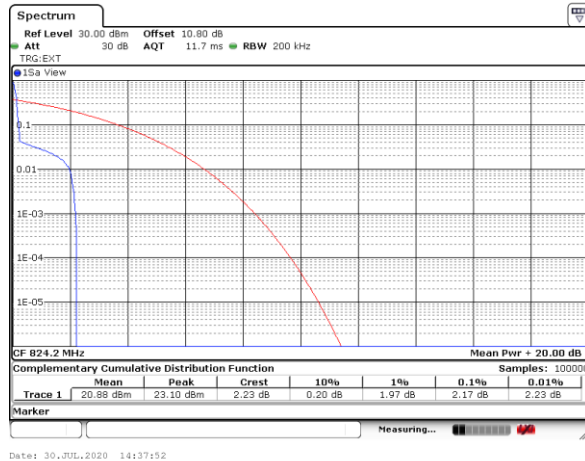
## LTE Band 26

### Peak-to-Average Ratio

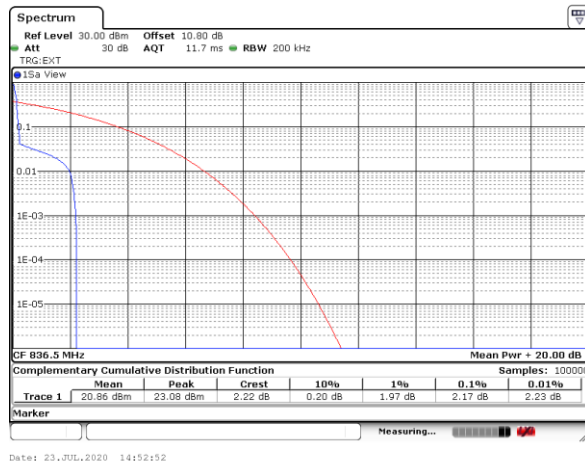
| Mode       | LTE Band 26 / 15kHz |      |        |             |
|------------|---------------------|------|--------|-------------|
| Mod.       | BPSK                | QPSK |        | Limit: 13dB |
| T Size     | 1T                  | 1T   | Full T | Result      |
| Lowest CH  | 2.17                | 1.68 | 3.74   | PASS        |
| Middle CH  | 2.17                | 1.71 | 3.86   |             |
| Highest CH | 2.14                | 1.74 | 3.94   |             |

## LTE Band 26 / 15kHz / BPSK

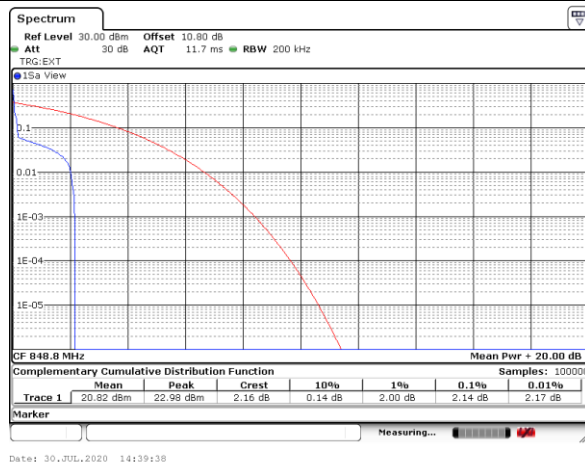
### Lowest Channel / 1T



### Middle Channel/ 1T



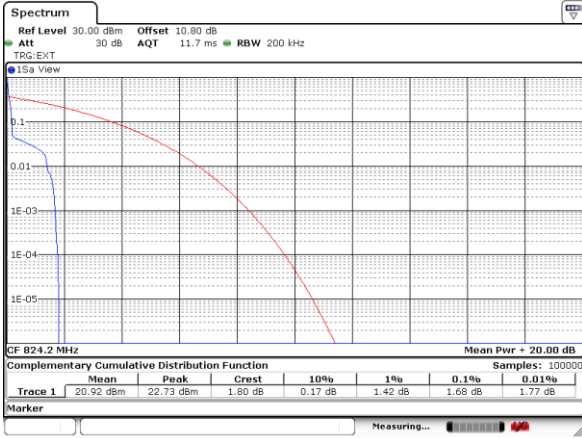
### Highest Channel/ 1T



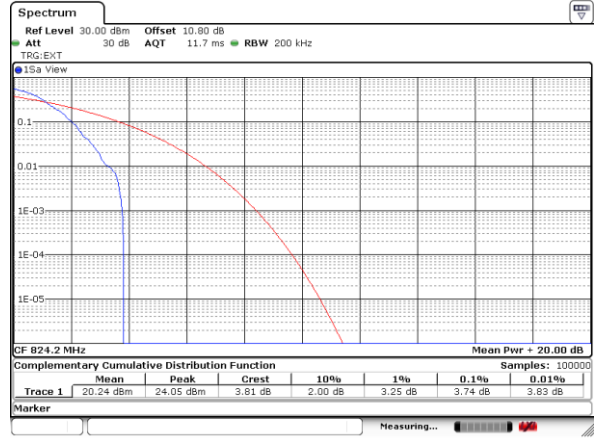


## LTE Band 26 / 15kHz / QPSK

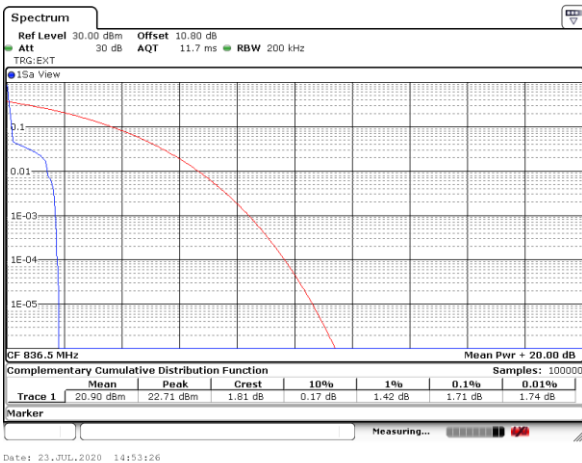
## Lowest Channel / 1T



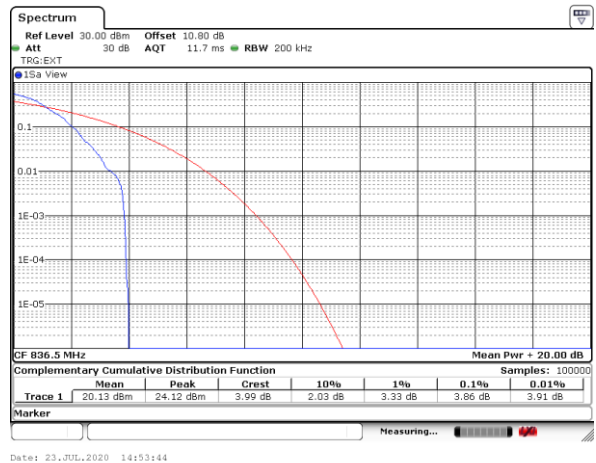
## Lowest Channel / Full T



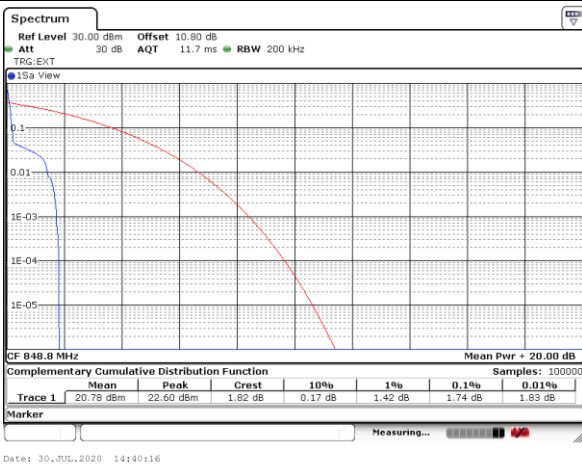
## Middle Channel/ 1T



## Middle Channel / Full T



## Highest Channel/ 1T



## Highest Channel / Full T



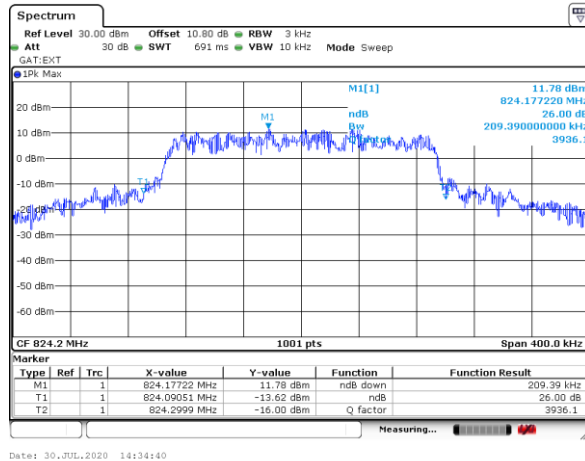
**26dB Bandwidth**

| Mode               | LTE Band 26 : 26dB(kHz) |
|--------------------|-------------------------|
| Subcarrier Spacing | 15k                     |
| Mod.               | QPSK                    |
| Lowest CH          | 209.39                  |
| Middle CH          | 198.20                  |
| Highest CH         | 209.79                  |

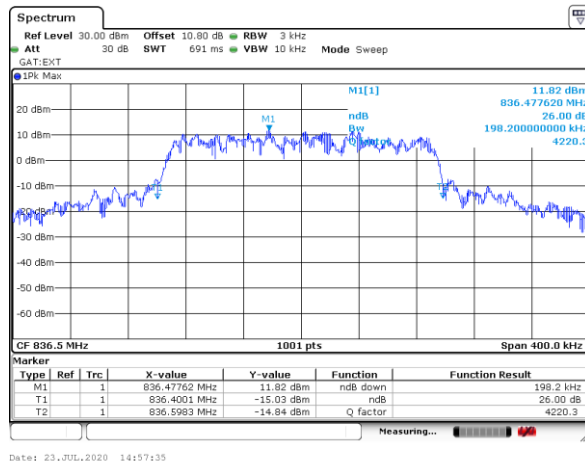


## LTE Band 26

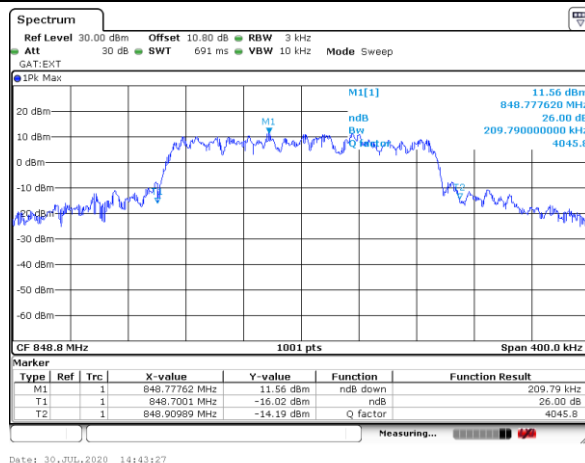
## Lowest Channel / 15kHz / QPSK



## Middle Channel / 15kHz / QPSK



## Highest Channel / 15kHz / QPSK



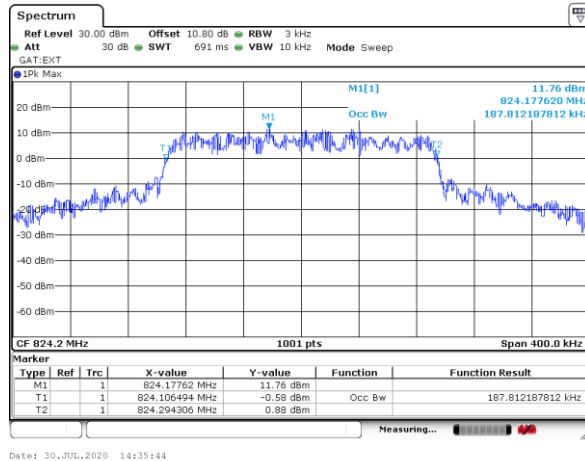
**Occupied Bandwidth**

| Mode               | LTE Band 26 : OB(kHz) |
|--------------------|-----------------------|
| Subcarrier Spacing | 15k                   |
| Mod.               | QPSK                  |
| Lowest CH          | 187.81                |
| Middle CH          | 187.01                |
| Highest CH         | 188.21                |

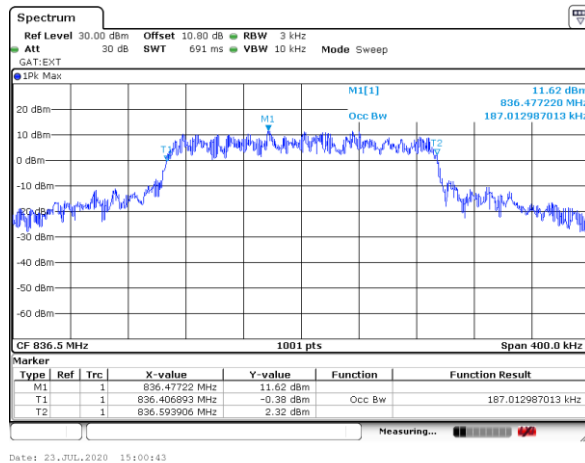


## LTE Band 26

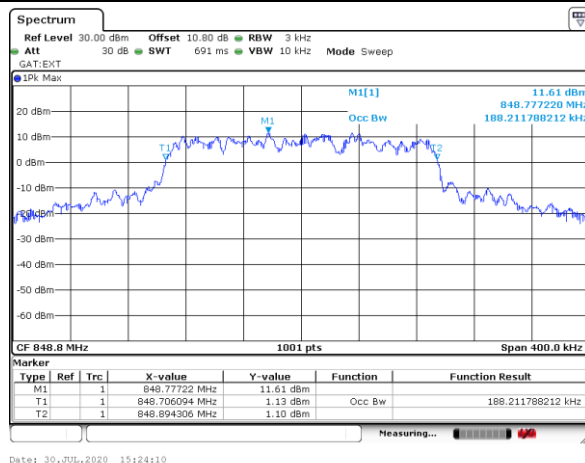
## Lowest Channel / 15kHz / QPSK

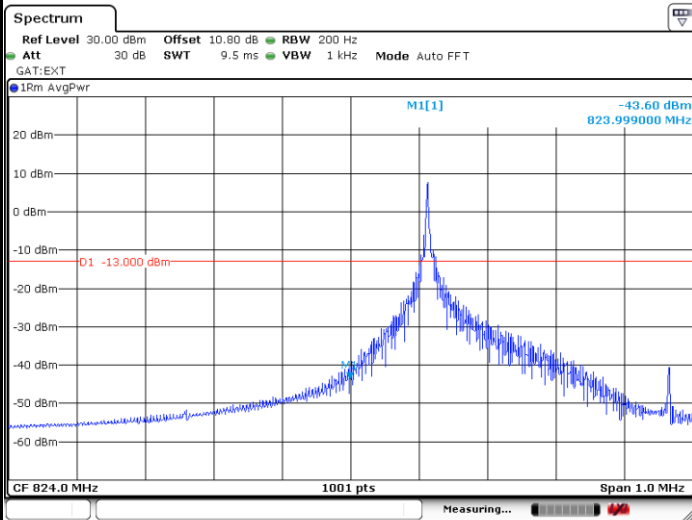
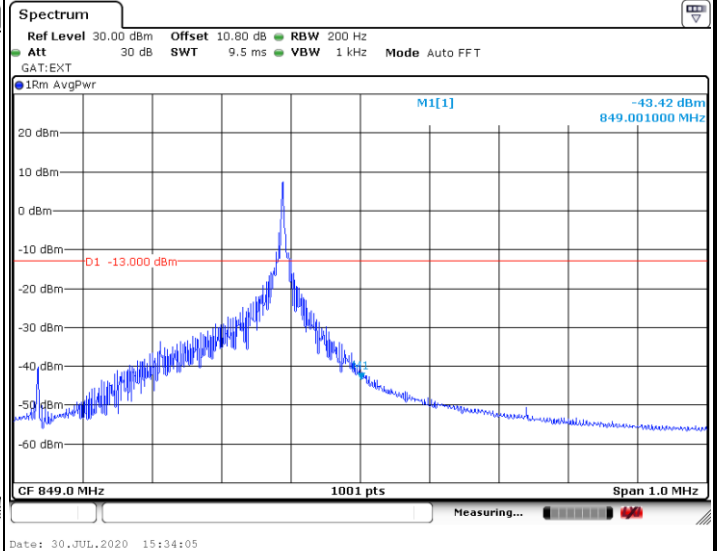
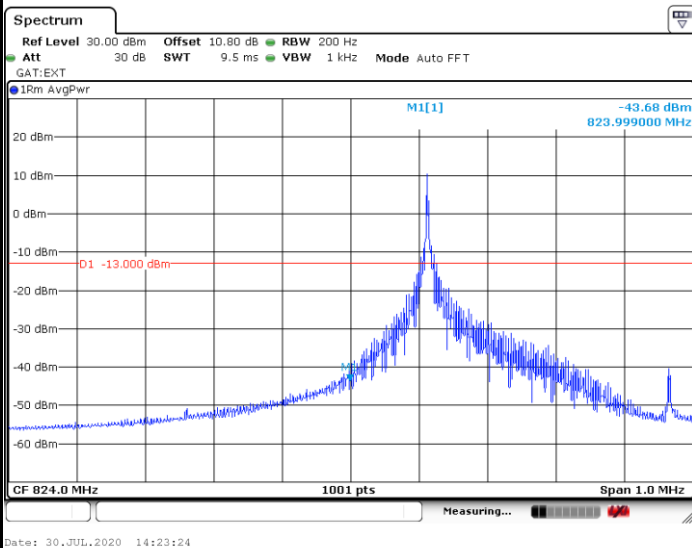
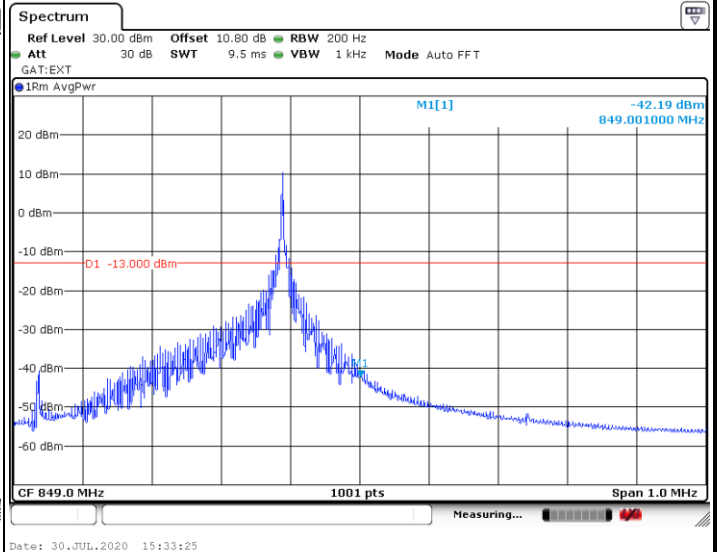


## Middle Channel / 15kHz / QPSK



## Highest Channel / 15kHz / QPSK

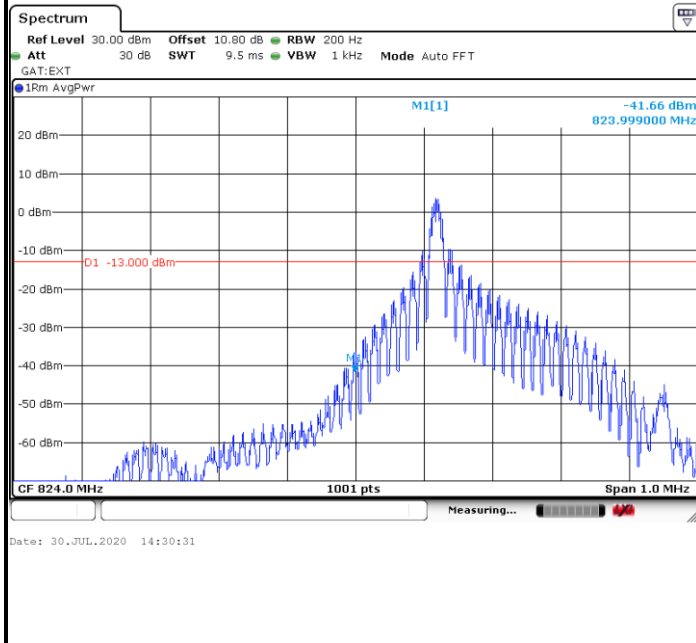


**Conducted Band Edge****LTE Band 26 / 3.75kHz / BPSK****Lowest Band Edge / 1 T****Highest Band Edge / 1 T****LTE Band 26 / 3.75kHz / QPSK****Lowest Band Edge / 1 T****Highest Band Edge / 1 T**

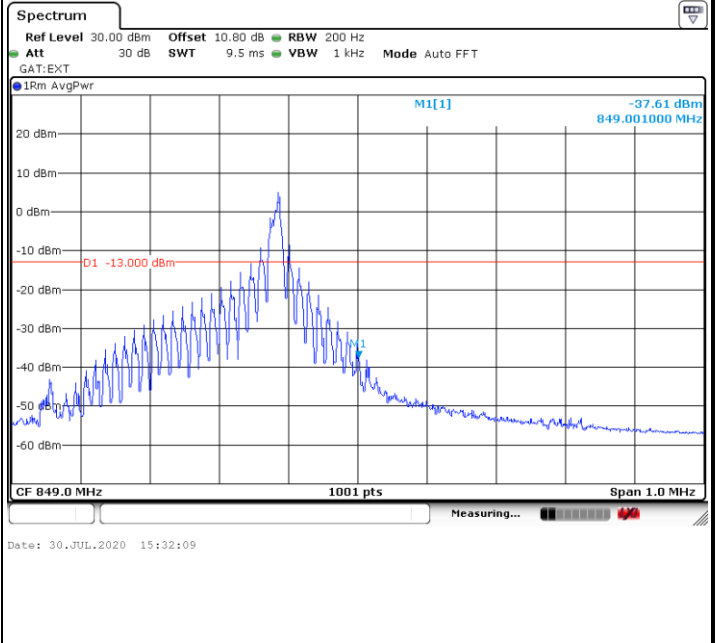


LTE Band 26 / 15kHz / BPSK

Lowest Band Edge / 1 T



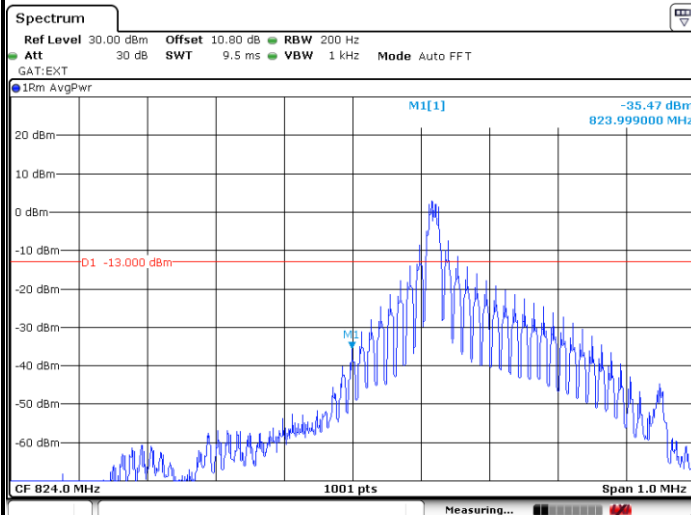
Highest Band Edge / 1 T



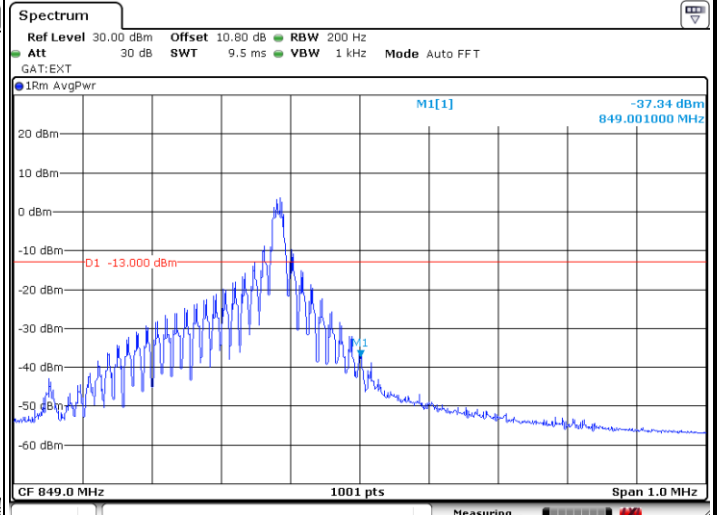


## LTE Band 26 / 15kHz / QPSK

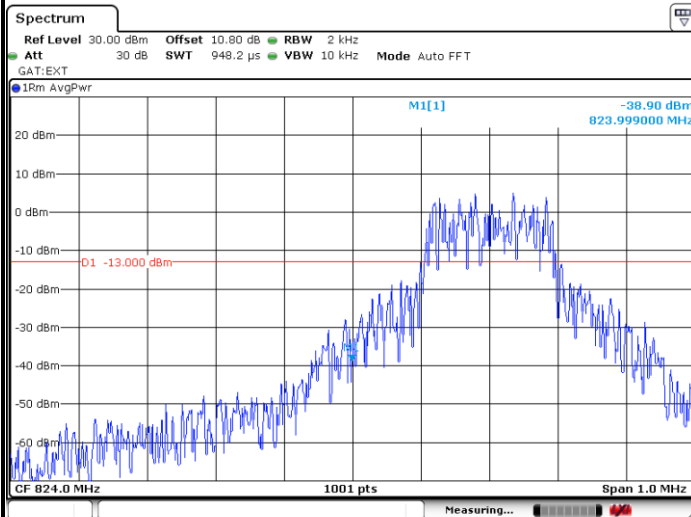
## Lowest Band Edge / 1 T



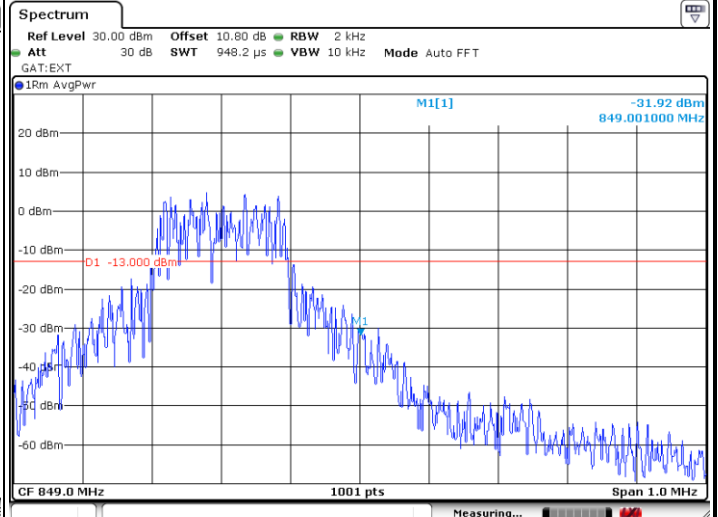
## Highest Band Edge / 1 T

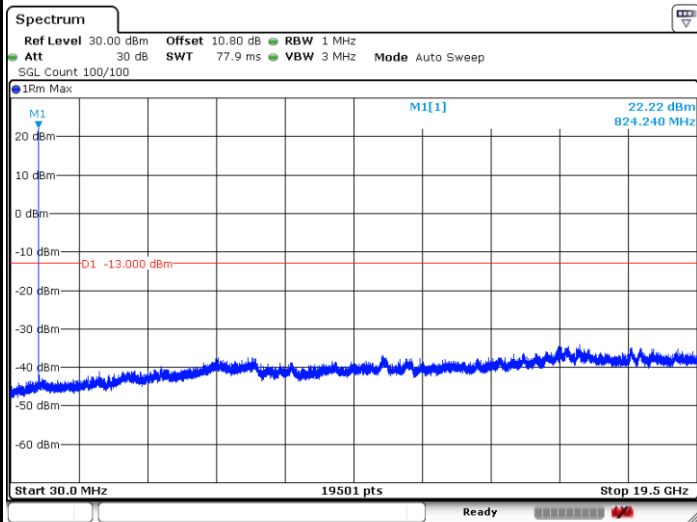
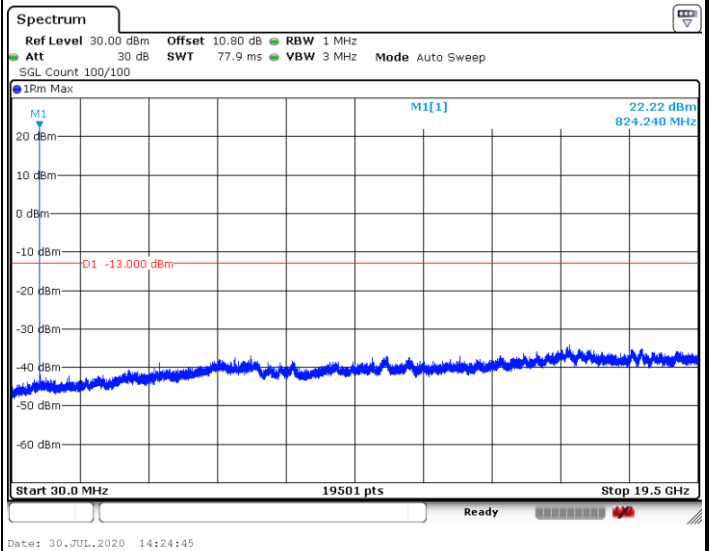
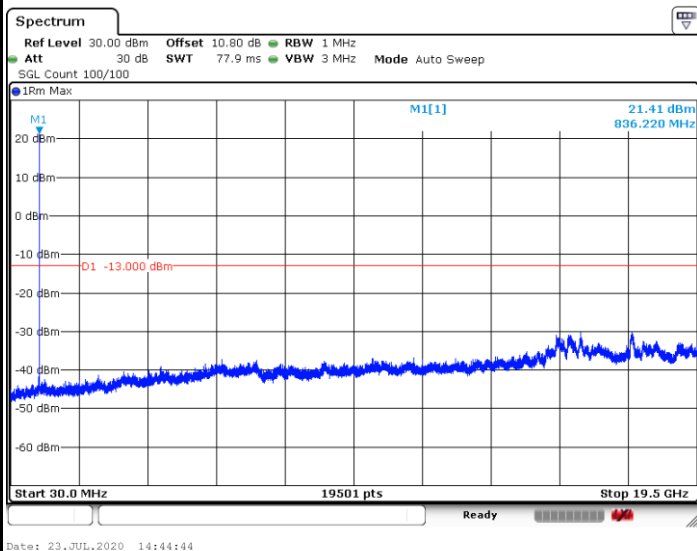
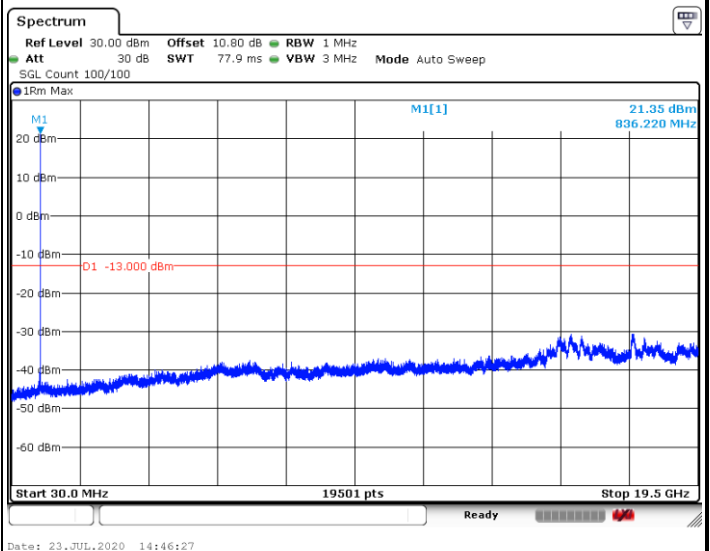


## Lowest Band Edge / Full T



## Highest Band Edge / Full T



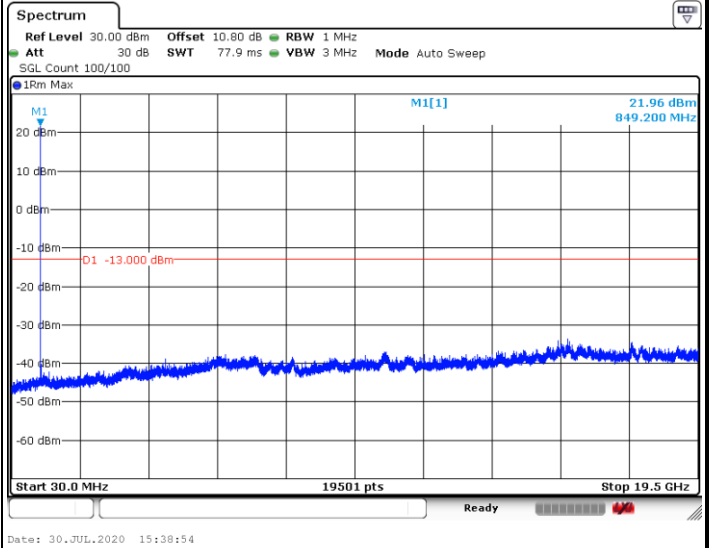
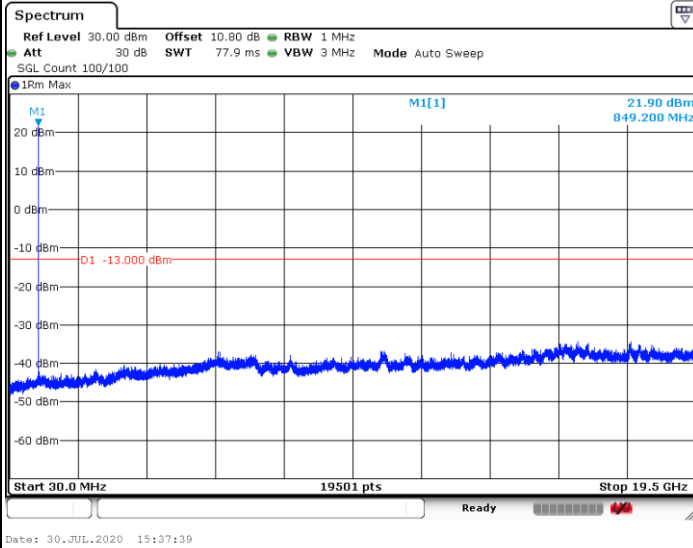
**Conducted Spurious Emission****LTE Band 26 / 3.75kHz****Lowest Channel / BPSK****Lowest Channel / QPSK****Middle Channel / BPSK****Middle Channel / QPSK**



LTE Band 26 / 3.75kHz

Highest Channel / BPSK

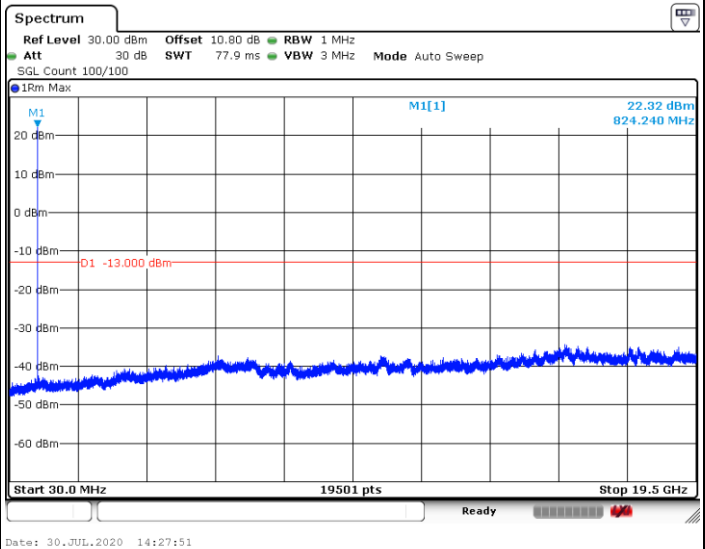
Highest Channel / QPSK



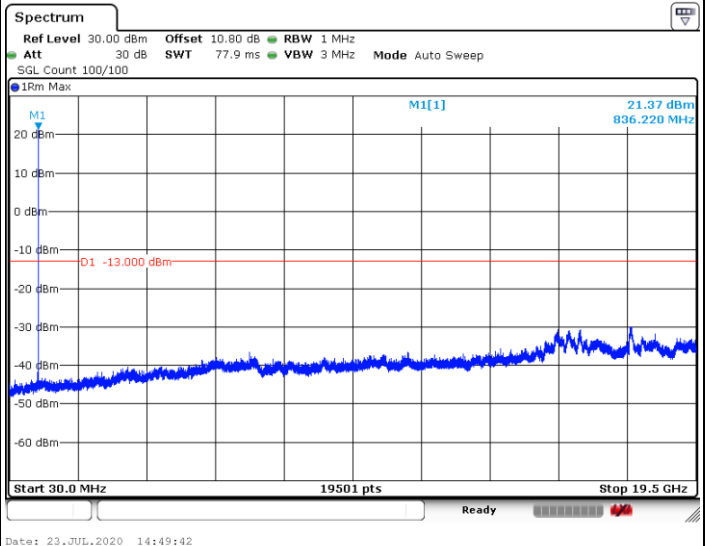


## LTE Band 26 / 15kHz

### Lowest Channel / QPSK



### Middle Channel / QPSK

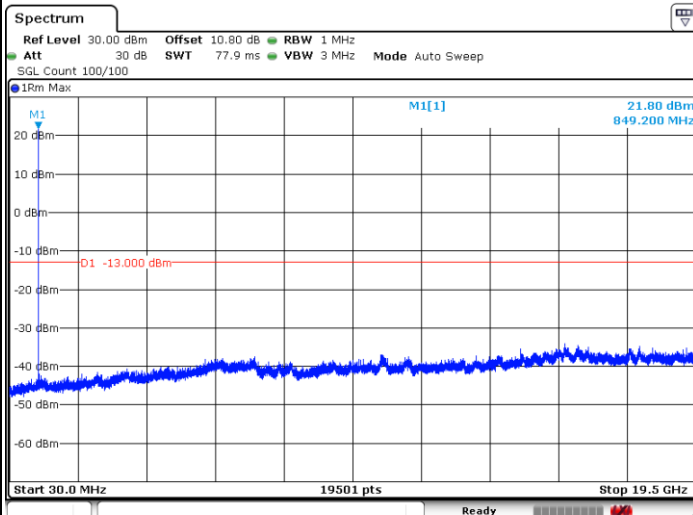




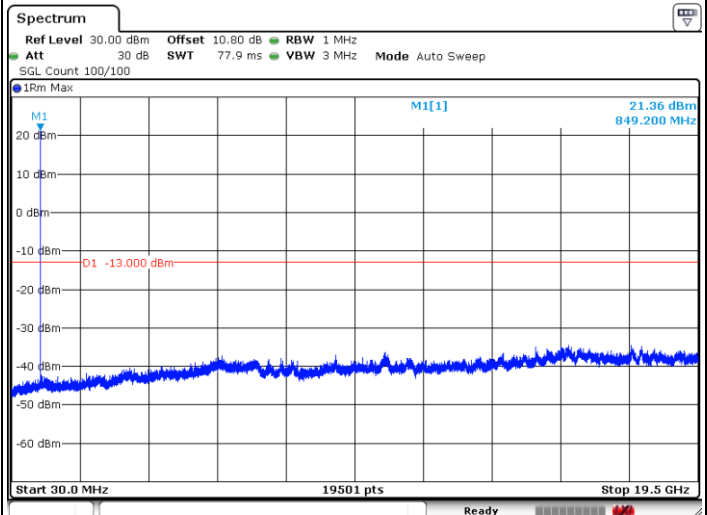
LTE Band 26 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 30.JUL.2020 15:40:52



Date: 30.JUL.2020 15:39:49

## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (BPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 15kHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0000                              | PASS    |
| 40                  | Normal Voltage    | 0.0137                              |         |
| 30                  | Normal Voltage    | 0.0136                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0000                              |         |
| 0                   | Normal Voltage    | 0.0054                              |         |
| -10                 | Normal Voltage    | 0.0090                              |         |
| -20                 | Normal Voltage    | 0.0075                              |         |
| -30                 | Normal Voltage    | 0.0077                              |         |
| 20                  | Maximum Voltage   | 0.0016                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0179                              |         |

**Note:**

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



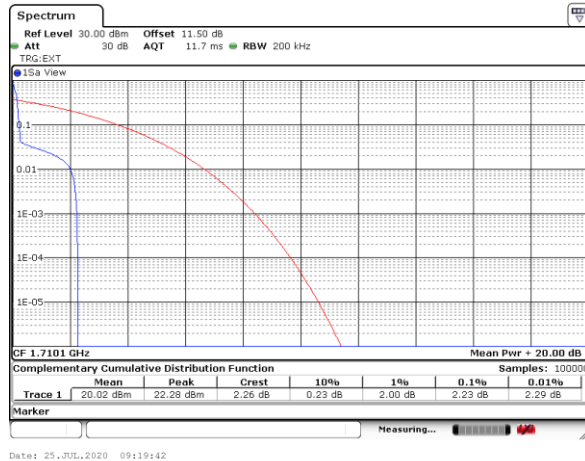
## LTE Band 66

### Peak-to-Average Ratio

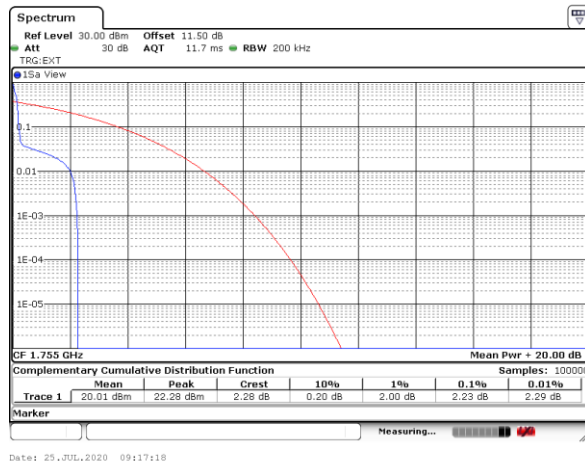
| Mode       | LTE Band 66 / 15kHz |      |        |             |
|------------|---------------------|------|--------|-------------|
| Mod.       | BPSK                | QPSK |        | Limit: 13dB |
| T Size     | 1T                  | 1T   | Full T | Result      |
| Lowest CH  | 2.23                | 1.83 | 4.38   | PASS        |
| Middle CH  | 2.23                | 1.83 | 4.31   |             |
| Highest CH | 2.23                | 1.83 | 4.32   |             |

## LTE Band 66 / 15kHz / BPSK

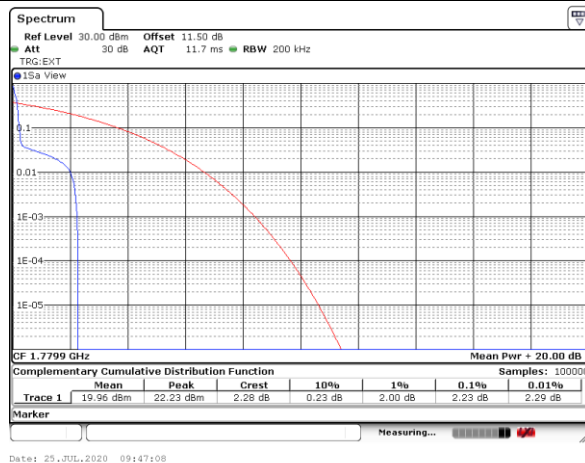
### Lowest Channel / 1T



### Middle Channel/ 1T



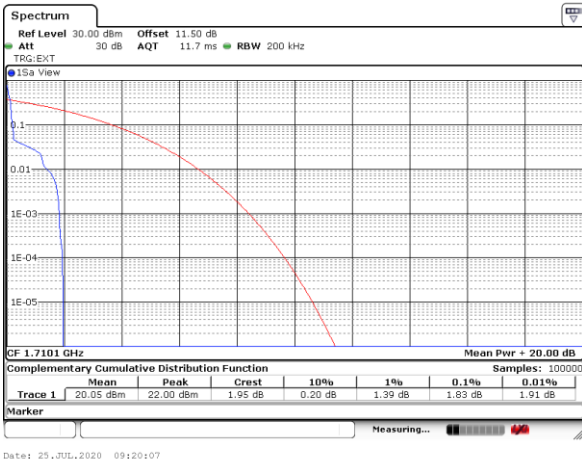
### Highest Channel/ 1T



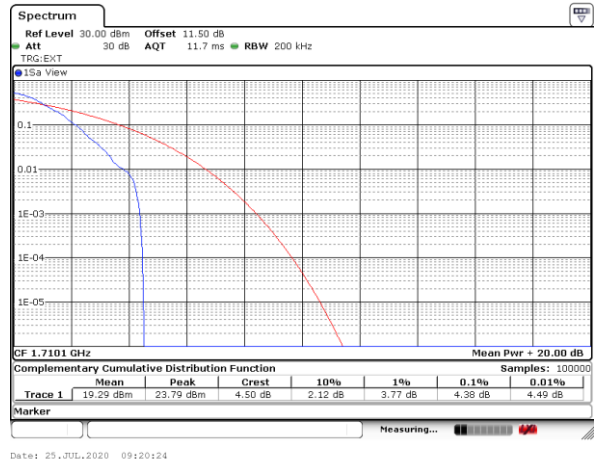


## LTE Band 66 / 15kHz / QPSK

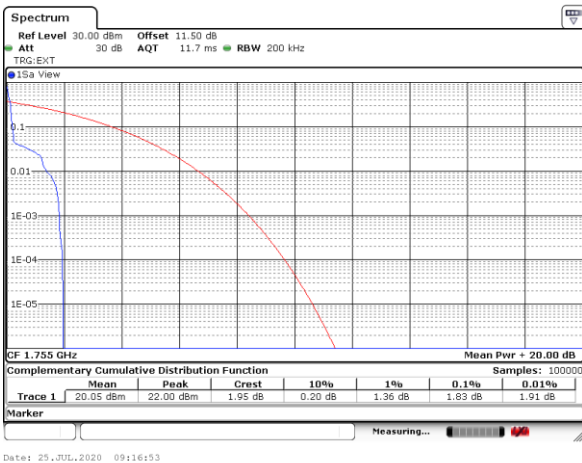
## Lowest Channel / 1T



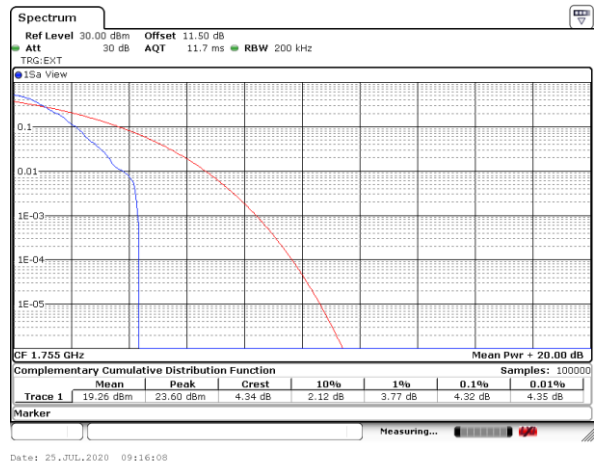
## Lowest Channel / Full T



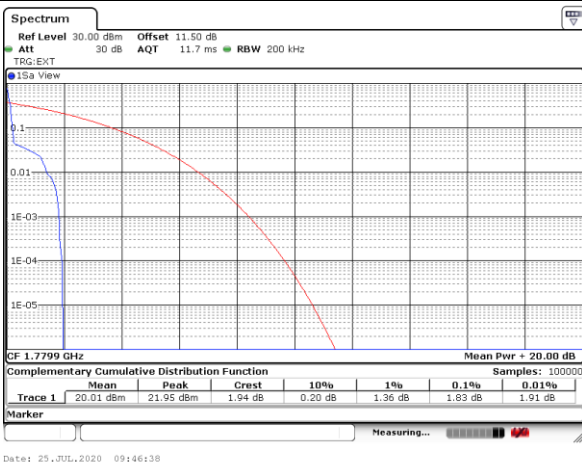
## Middle Channel/ 1T



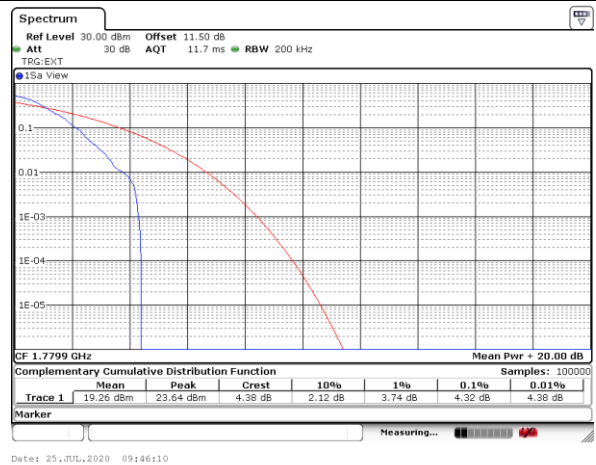
## Middle Channel / Full T



## Highest Channel/ 1T



## Highest Channel / Full T



**26dB Bandwidth**

| Mode               | LTE Band 66 : 26dB(kHz) |
|--------------------|-------------------------|
| Subcarrier Spacing | 15k                     |
| Mod.               | QPSK                    |
| Lowest CH          | 198.20                  |
| Middle CH          | 206.59                  |
| Highest CH         | 208.99                  |