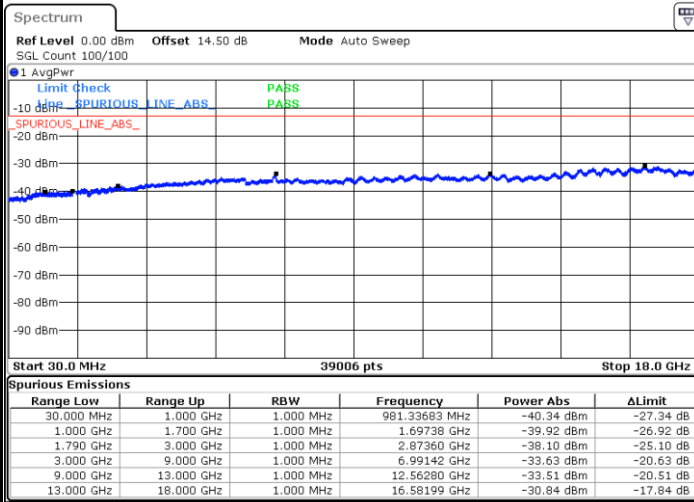




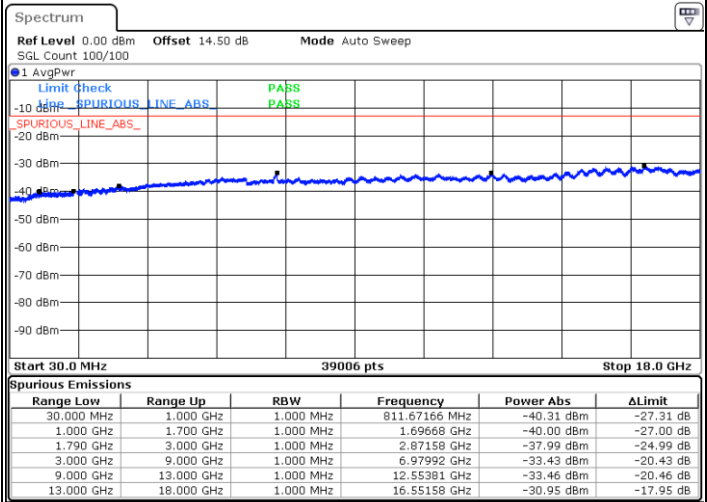
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM



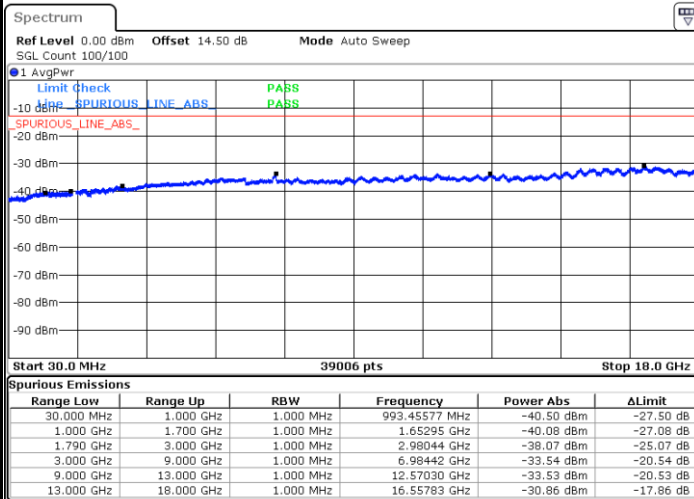
Date: 2.DEC.2019 16:34:42

## Middle Channel / 64QAM



Date: 2.DEC.2019 15:47:54

## Highest Channel / 64QAM

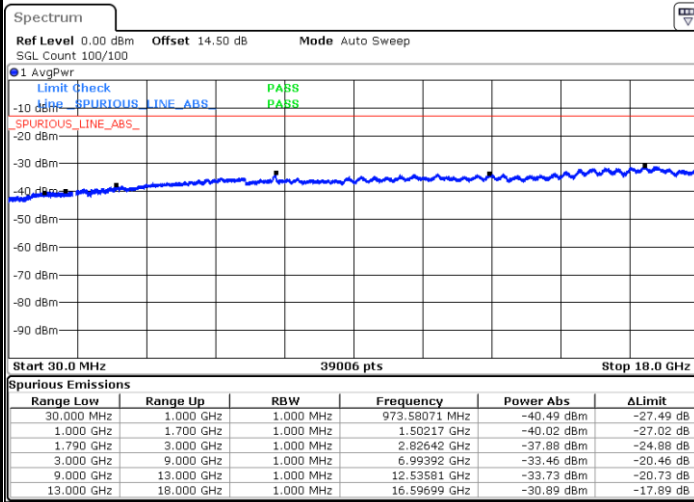


Date: 2.DEC.2019 15:56:14



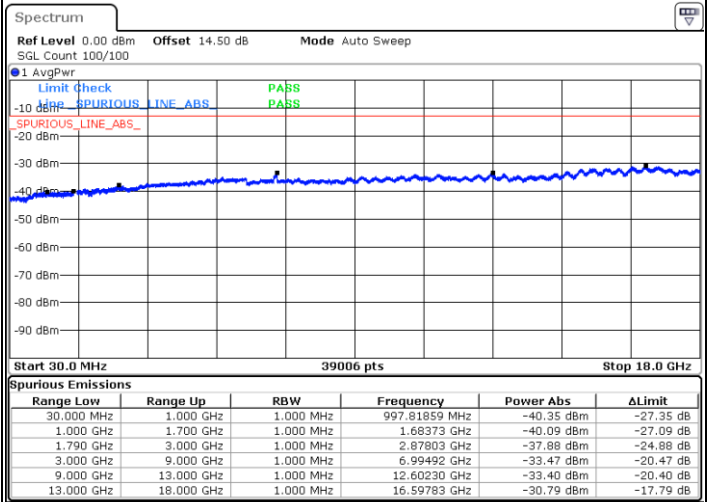
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



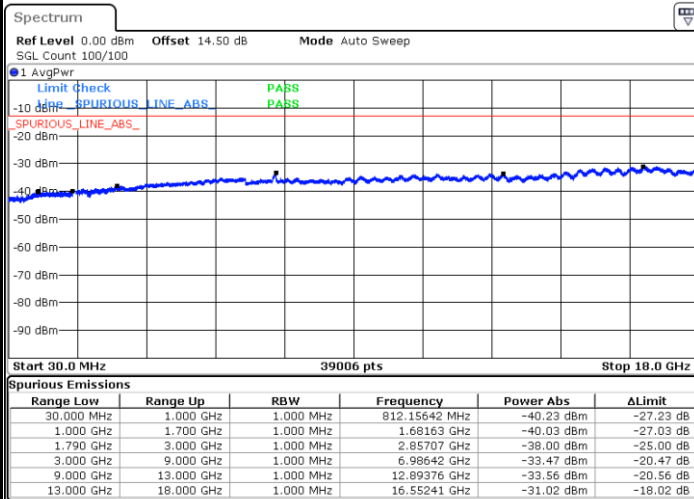
Date: 2.DEC.2019 16:43:47

## Middle Channel / 64QAM



Date: 2.DEC.2019 16:09:46

## Highest Channel / 64QAM

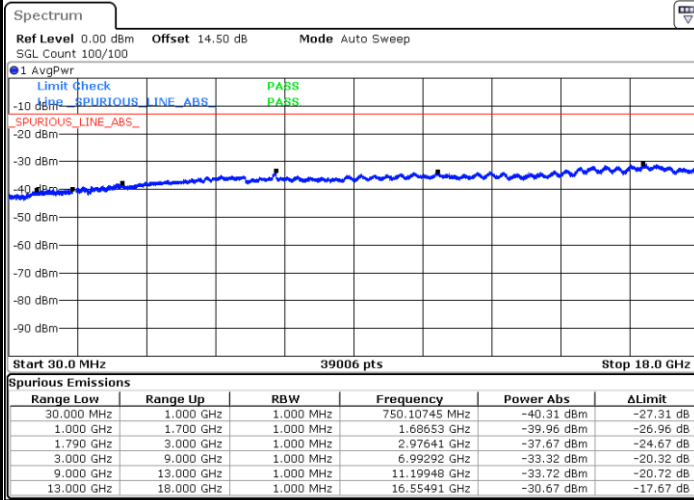


Date: 2.DEC.2019 16:15:52



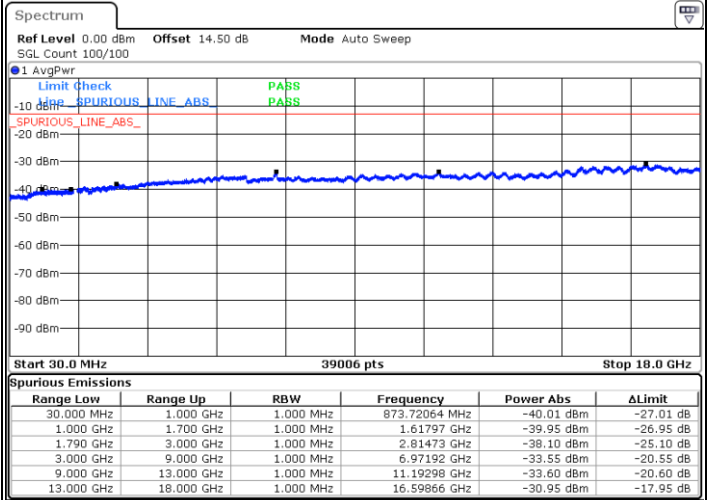
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



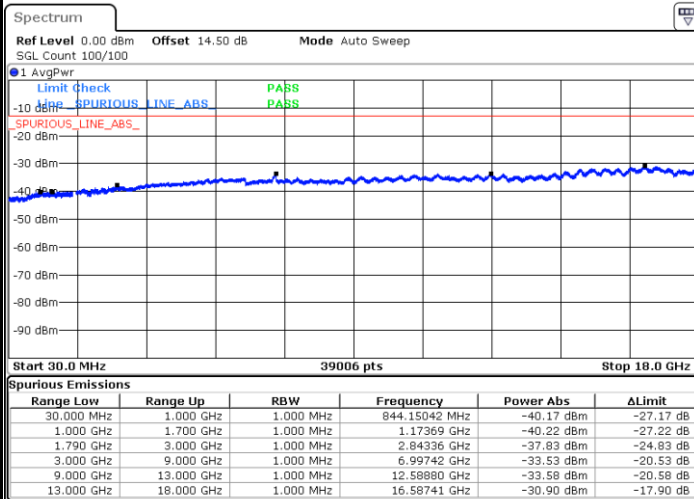
Date: 2.DEC.2019 16:54:31

## Middle Channel / 64QAM



Date: 2.DEC.2019 16:49:09

## Highest Channel / 64QAM

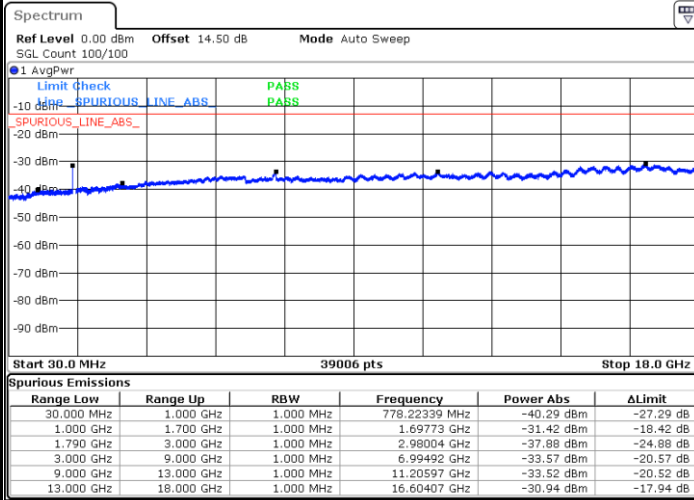


Date: 2.DEC.2019 17:02:39



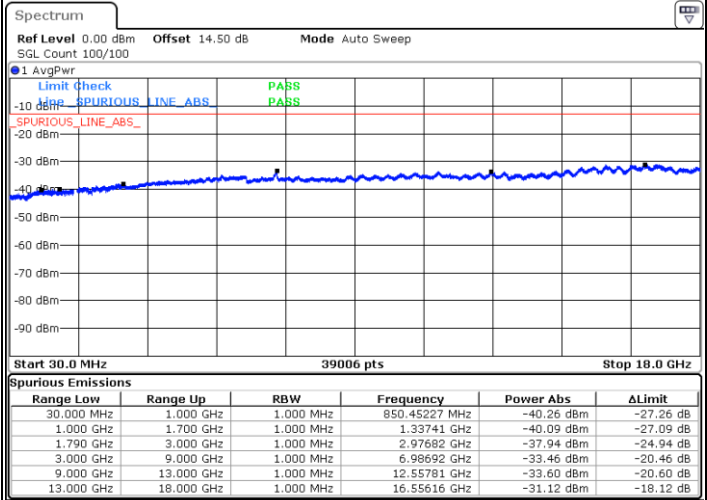
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



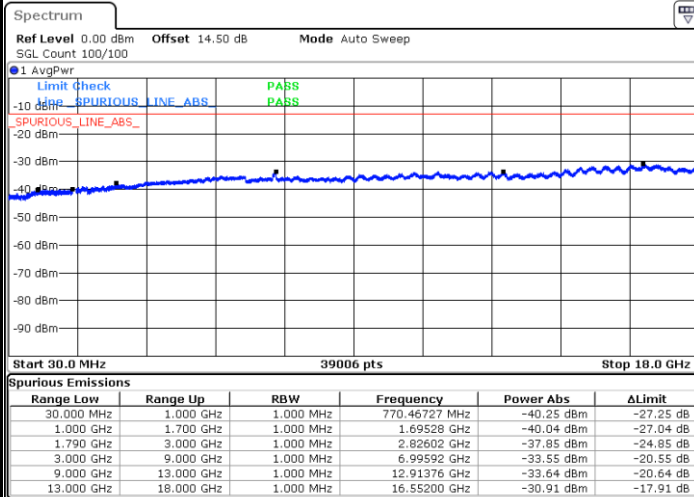
Date: 2.DEC.2019 18:10:29

## Middle Channel / 64QAM



Date: 2.DEC.2019 17:09:47

## Highest Channel / 64QAM

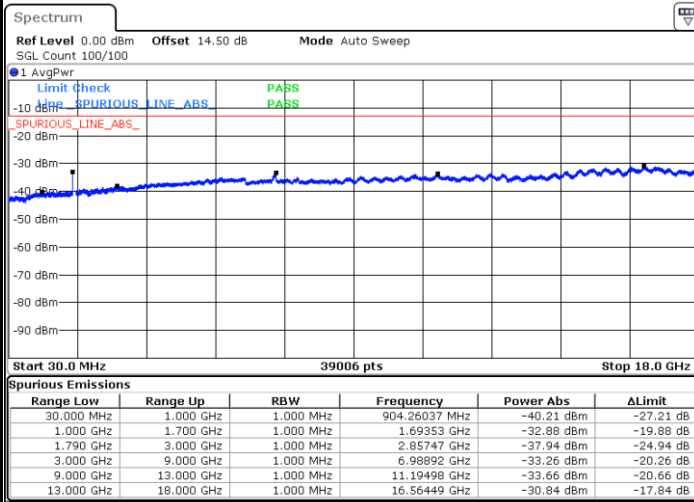


Date: 2.DEC.2019 17:18:53



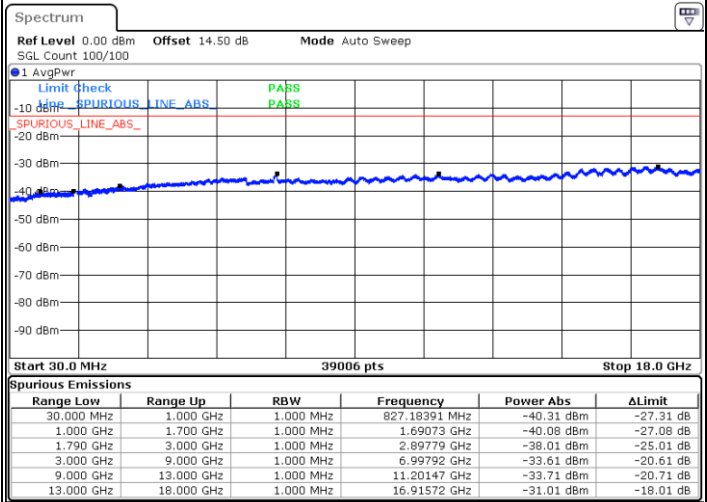
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



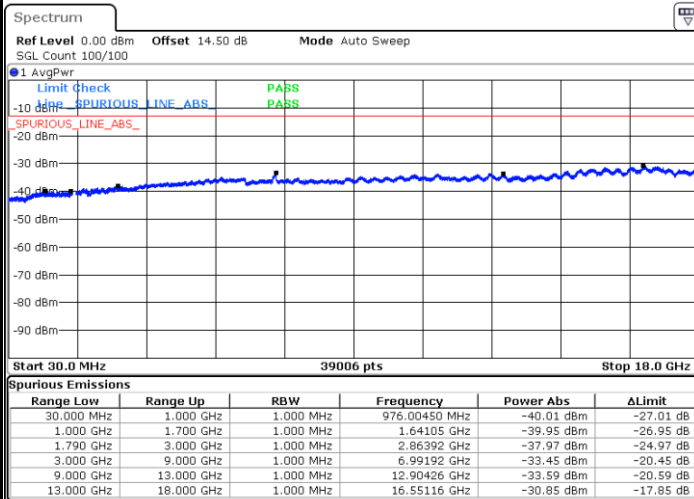
Date: 2.DEC.2019 17:58:09

## Middle Channel / 64QAM



Date: 2.DEC.2019 17:24:37

## Highest Channel / 64QAM



Date: 2.DEC.2019 17:31:28

**Frequency Stability**

| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0016                              | PASS    |
| 40               | Normal Voltage    | 0.0047                              |         |
| 30               | Normal Voltage    | 0.0008                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0033                              |         |
| 0                | Normal Voltage    | 0.0042                              |         |
| -10              | Normal Voltage    | 0.0002                              |         |
| -20              | Normal Voltage    | 0.0043                              |         |
| -30              | Normal Voltage    | 0.0057                              |         |
| 20               | Maximum Voltage   | 0.0019                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0011                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 66C

## 26dB Bandwidth

| Mode       | LTE Band 66C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                             |             |             |             |             |
| BW         | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.68                       | 25.18       | 29.79       | 25.28       | 30.57       |
| Middle CH  | 24.83                       | 25.08       | 29.97       | 25.23       | 30.51       |
| Highest CH | 24.83                       | 25.13       | 29.97       | 25.23       | 30.63       |
| BW         | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.83                       | 24.98       | 30.39       | 35.04       | 39.72       |
| Middle CH  | 34.76                       | 25.13       | 29.97       | 35.04       | 40.04       |
| Highest CH | 34.69                       | 24.93       | 30.09       | 34.97       | 39.80       |

| Mode       | LTE Band 66C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                             |             |             |             |             |
| BW         | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.78                       | 25.23       | 29.97       | 25.18       | 30.51       |
| Middle CH  | 24.78                       | 25.08       | 29.73       | 25.33       | 30.57       |
| Highest CH | 24.63                       | 25.13       | 29.91       | 25.38       | 30.69       |
| BW         | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.83                       | 25.13       | 30.21       | 34.90       | 39.96       |
| Middle CH  | 34.76                       | 25.03       | 30.21       | 34.69       | 39.80       |
| Highest CH | 34.83                       | 24.93       | 30.03       | 34.76       | 39.80       |

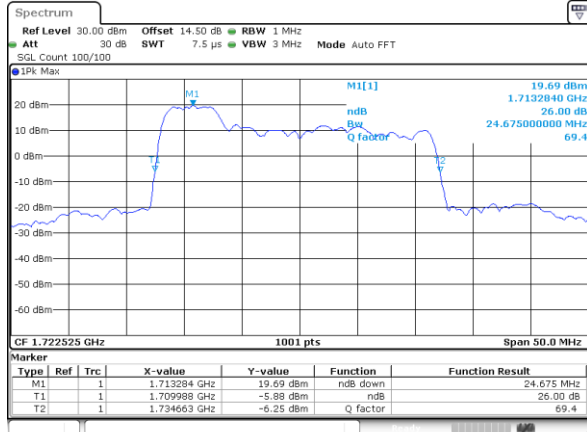
| Mode       | LTE Band 66C : 26dB BW(MHz) |             |             |             |             |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                             |             |             |             |             |
| BW         | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.73                       | 25.08       | 29.91       | 25.38       | 30.51       |
| Middle CH  | 24.73                       | 25.18       | 29.61       | 25.13       | 30.45       |
| Highest CH | 24.68                       | 25.18       | 29.91       | 25.23       | 30.57       |
| BW         | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.90                       | 25.03       | 30.09       | 34.90       | 39.72       |
| Middle CH  | 34.83                       | 24.98       | 30.03       | 35.11       | 40.04       |
| Highest CH | 34.90                       | 25.38       | 29.97       | 34.97       | 39.72       |



## LTE Band 66C

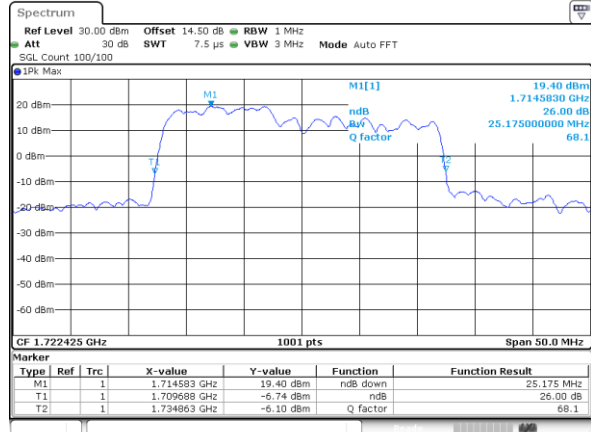
## QPSK

## Lowest Channel / 5MHz+20MHz



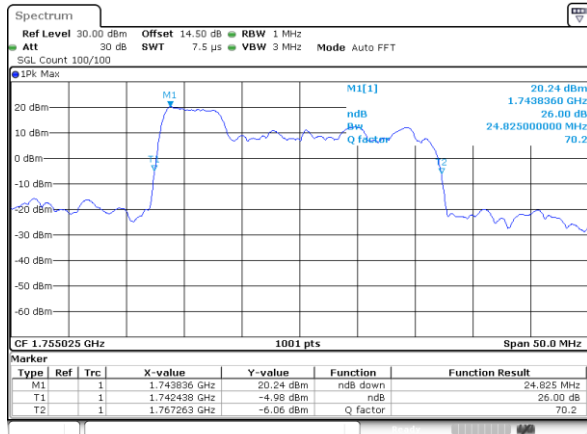
Date: 17.JAN.2020 11:44:16

## Lowest Channel / 10MHz+15MHz



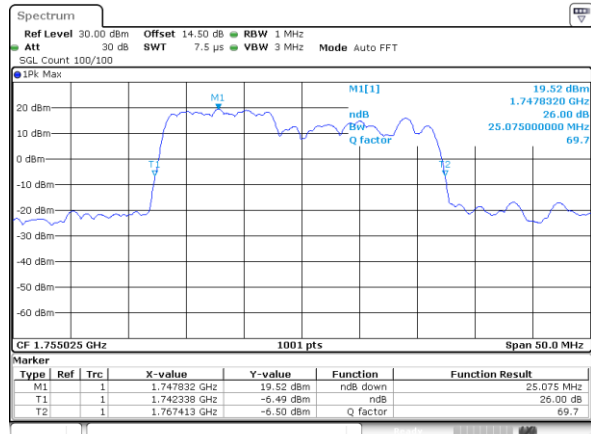
Date: 15.JAN.2020 21:10:40

## Middle Channel / 5MHz+20MHz



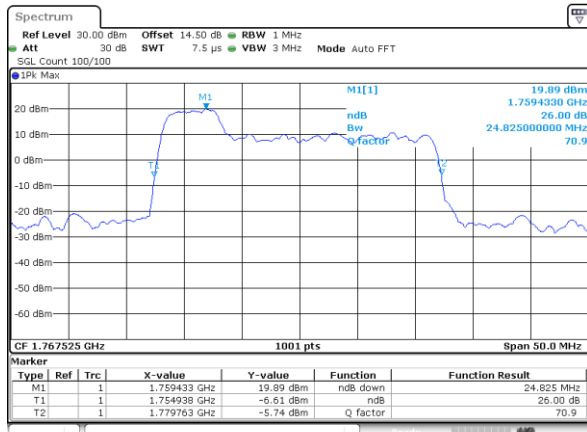
Date: 17.JAN.2020 14:36:35

## Middle Channel / 10MHz+15MHz



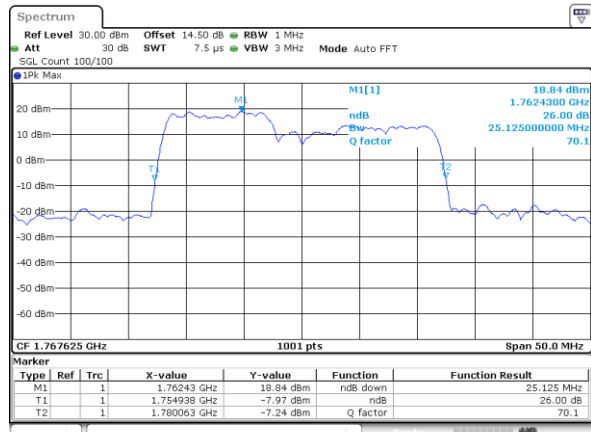
Date: 15.JAN.2020 21:34:35

## Highest Channel / 5MHz+20MHz



Date: 17.JAN.2020 15:44:47

## Highest Channel / 10MHz+15MHz



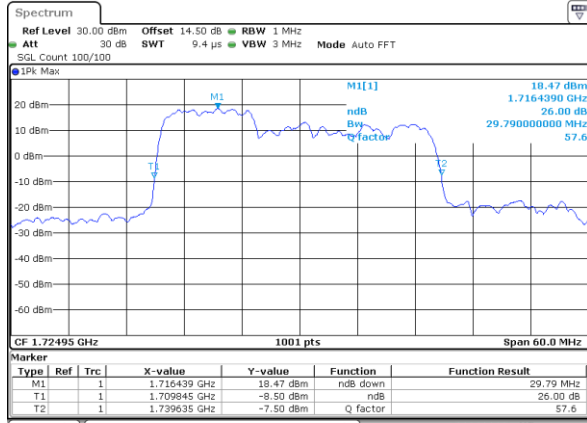
Date: 15.JAN.2020 21:36:47



## LTE Band 66C

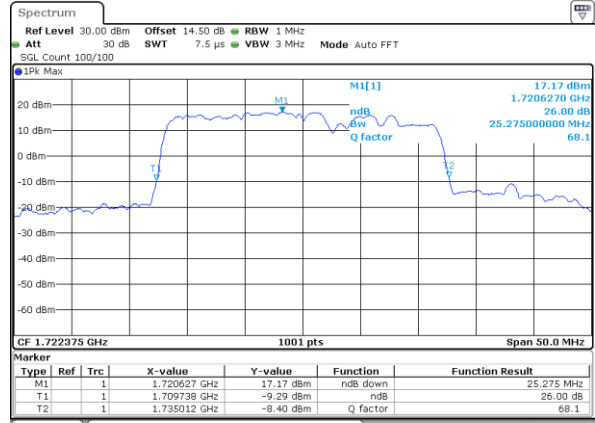
## QPSK

## Lowest Channel / 10MHz+20MHz



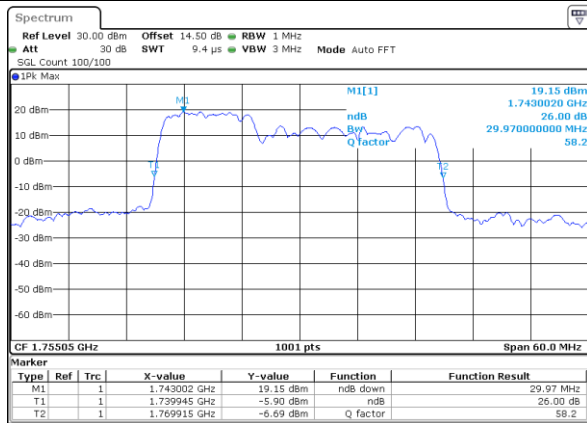
Date: 15.JAN.2020 23:31:01

## Lowest Channel / 15MHz+10MHz



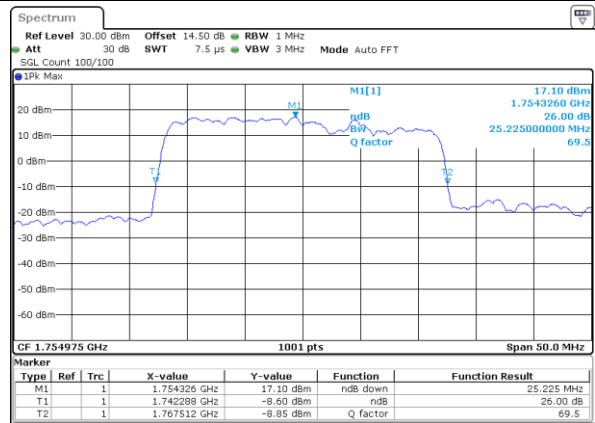
Date: 15.JAN.2020 22:12:22

## Middle Channel / 10MHz+20MHz



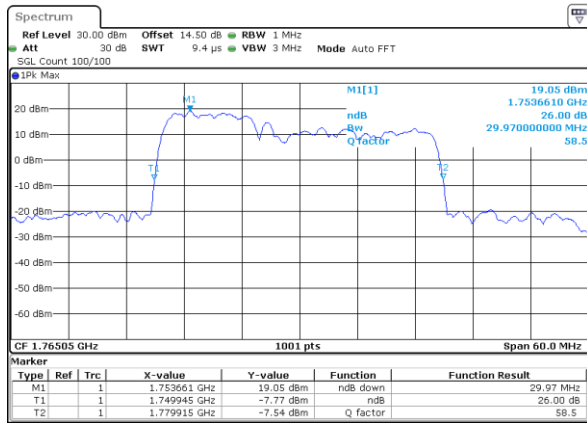
Date: 16.JAN.2020 00:59:17

## Middle Channel / 15MHz+10MHz



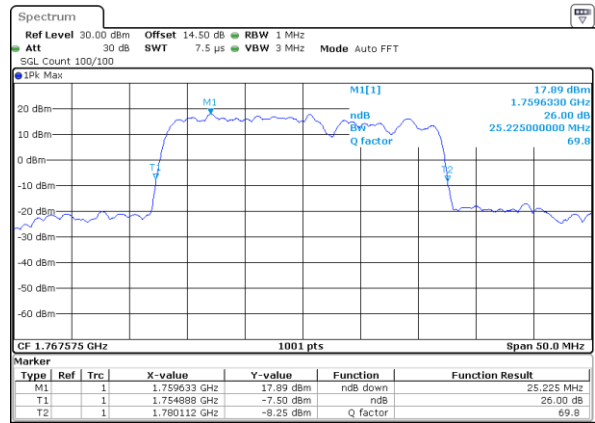
Date: 15.JAN.2020 23:07:03

## Highest Channel / 10MHz+20MHz



Date: 15.JAN.2020 23:59:37

## Highest Channel / 15MHz+10MHz



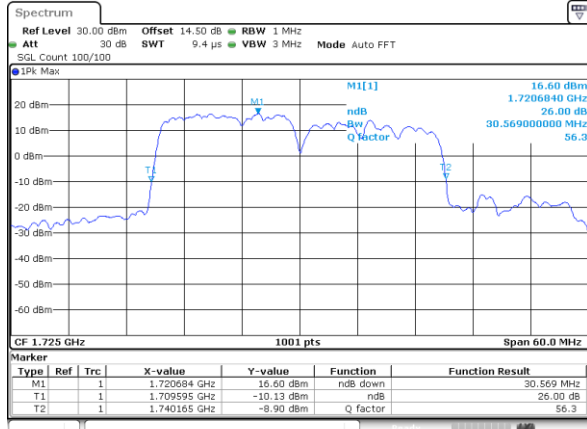
Date: 15.JAN.2020 23:09:29



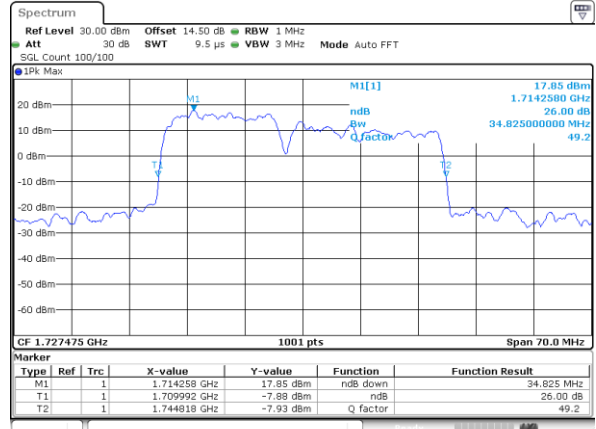
## LTE Band 66C

## QPSK

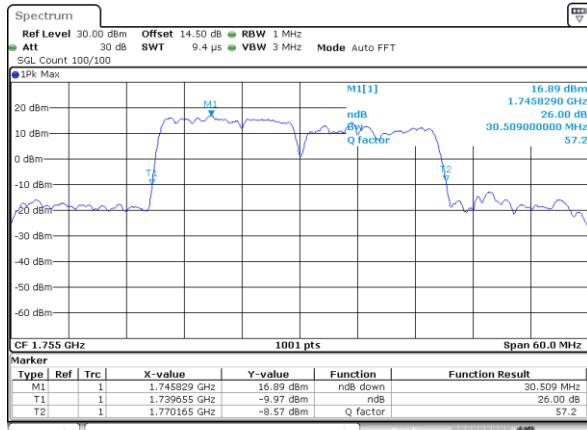
## Lowest Channel / 15MHz+15MHz



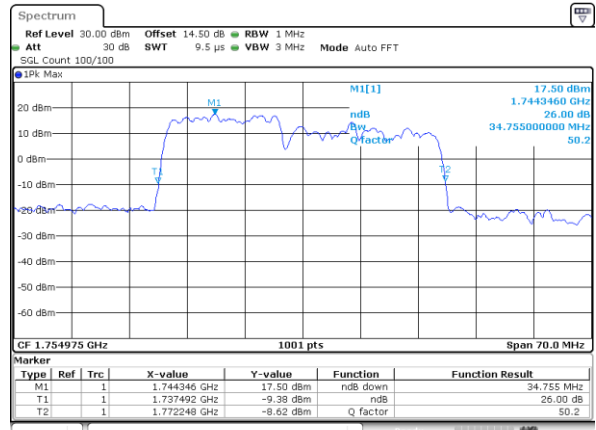
## Lowest Channel / 15MHz+20MHz



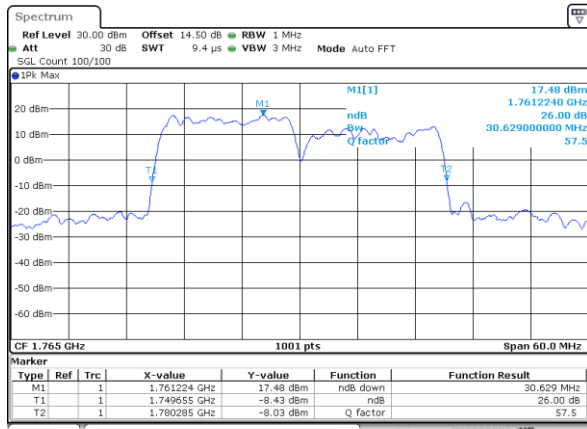
## Middle Channel / 15MHz+15MHz



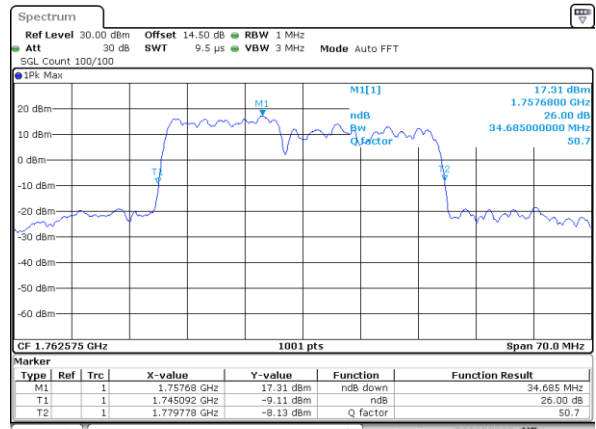
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

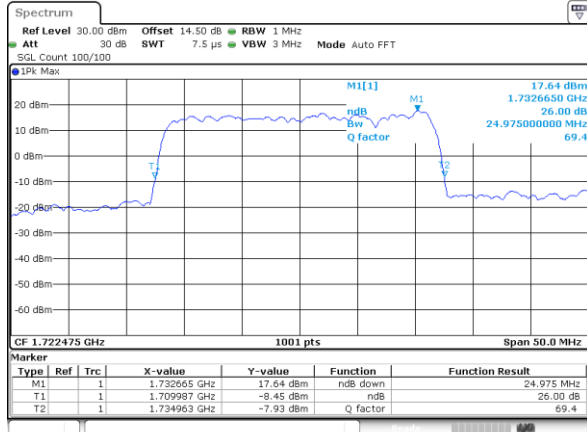




## LTE Band 66C

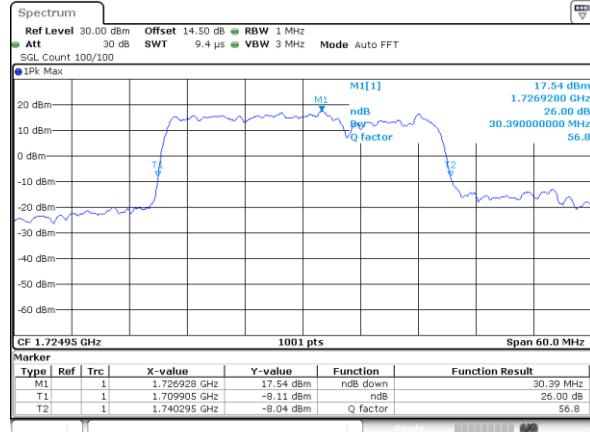
## QPSK

## Lowest Channel / 20MHz+5MHz



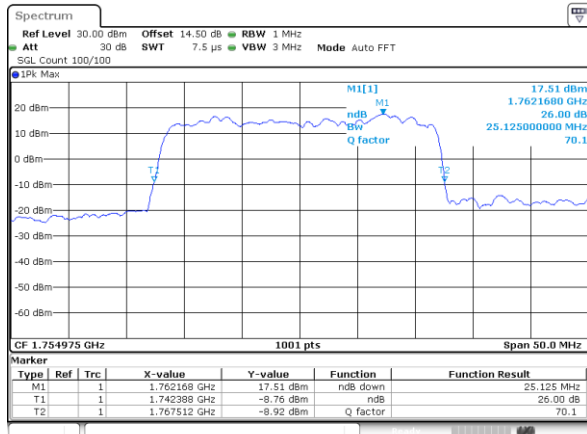
Date: 16.JAN.2020 17:34:40

## Lowest Channel / 20MHz+10MHz



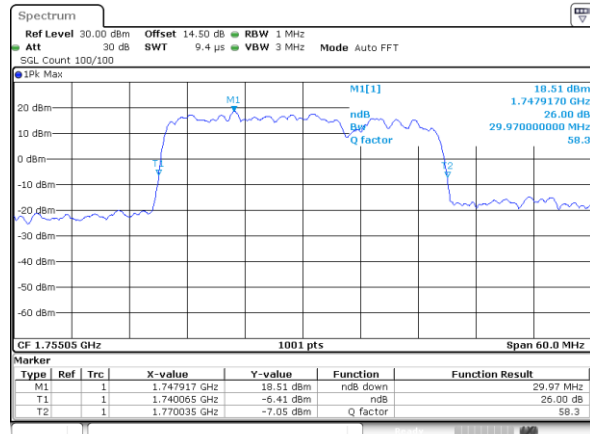
Date: 16.JAN.2020 01:13:23

## Middle Channel / 20MHz+5MHz



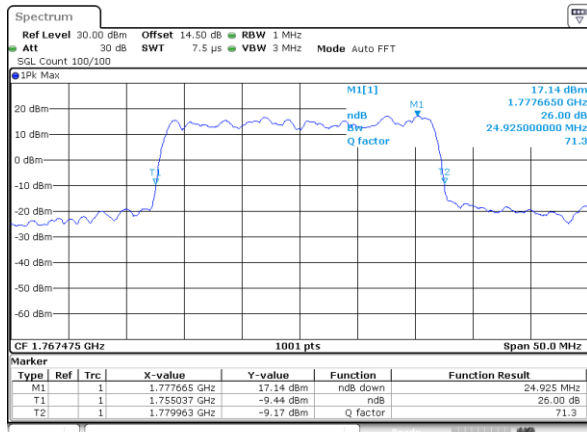
Date: 16.JAN.2020 17:50:52

## Middle Channel / 20MHz+10MHz



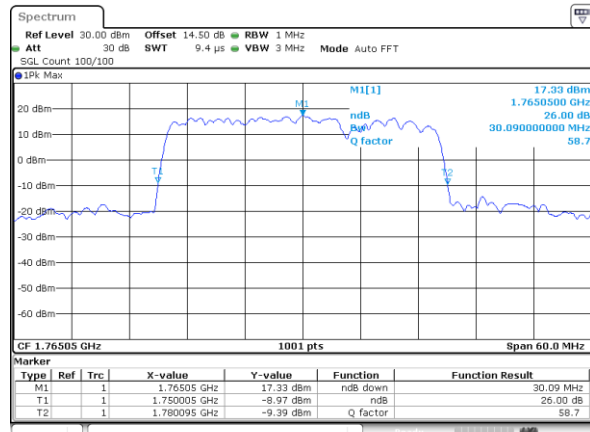
Date: 16.JAN.2020 01:39:04

## Highest Channel / 20MHz+5MHz



Date: 16.JAN.2020 19:06:06

## Highest Channel / 20MHz+10MHz



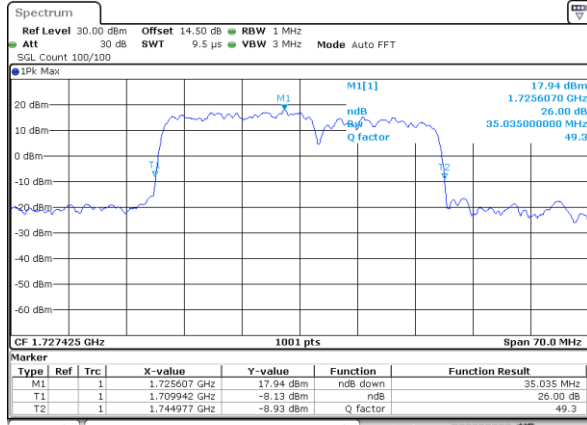
Date: 16.JAN.2020 01:43:30



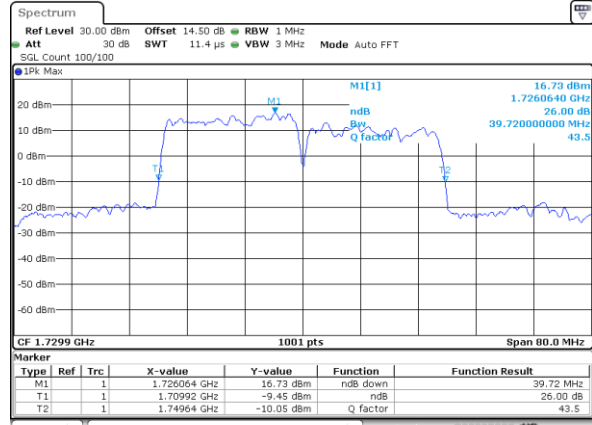
## LTE Band 66C

## QPSK

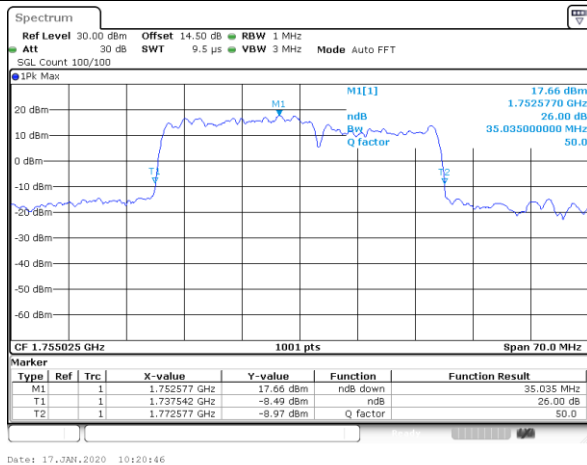
## Lowest Channel / 20MHz+15MHz



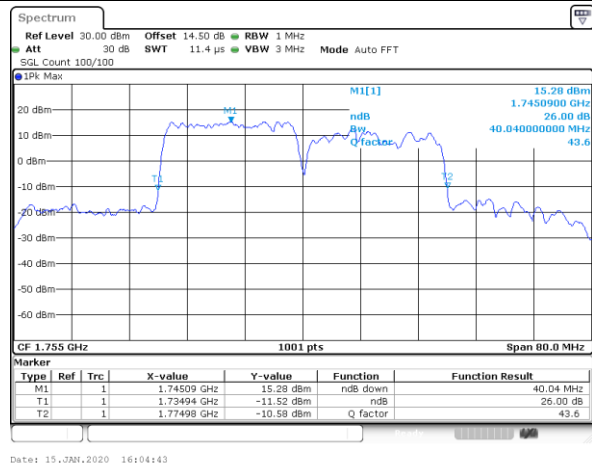
## Lowest Channel / 20MHz+20MHz



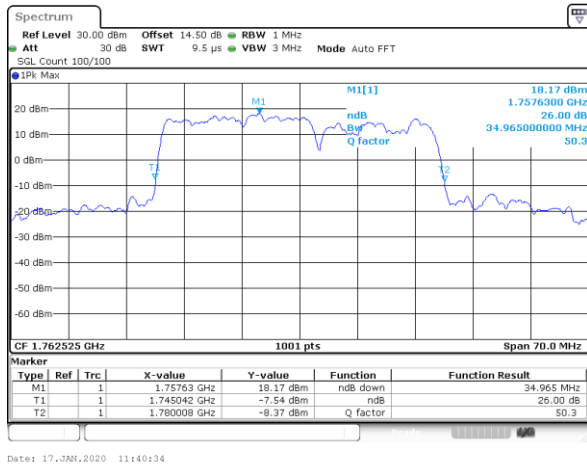
## Middle Channel / 20MHz+15MHz



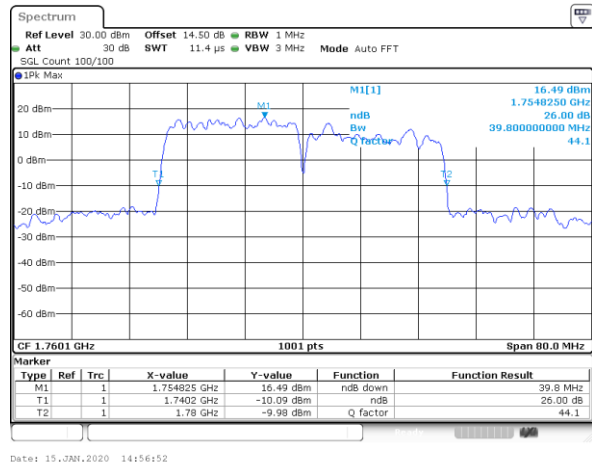
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz

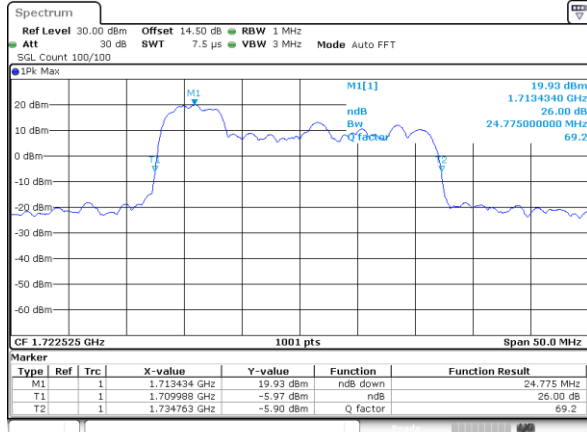




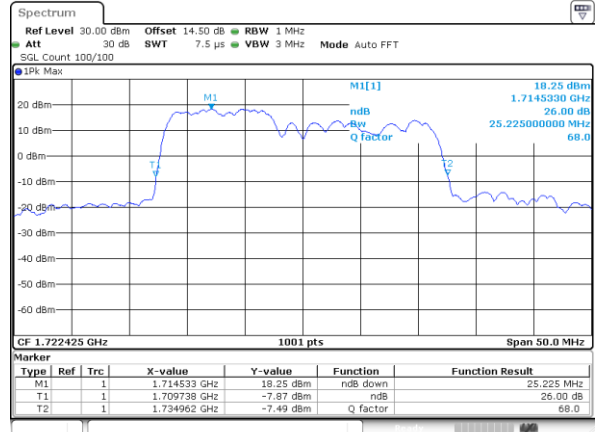
## LTE Band 66C

## 16QAM

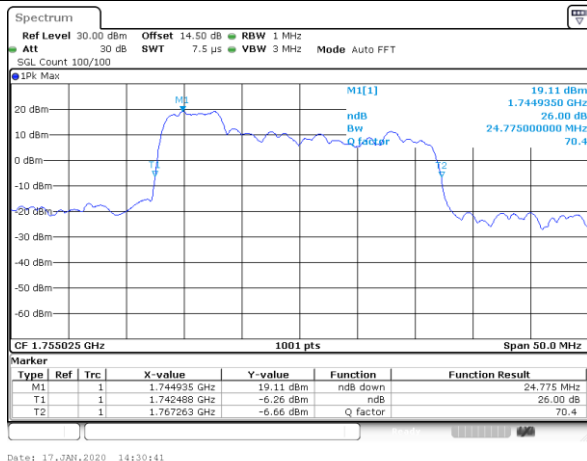
## Lowest Channel / 5MHz+20MHz



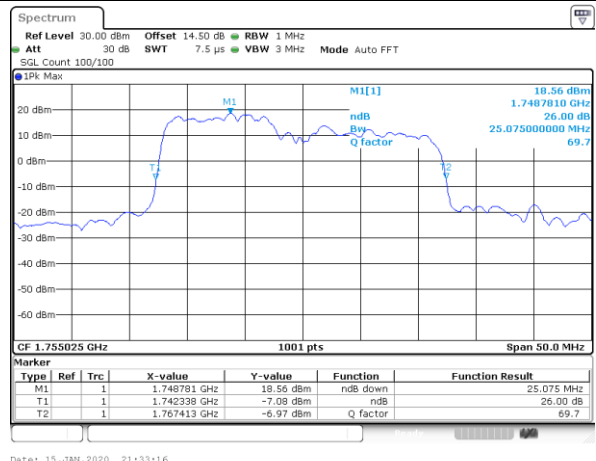
## Lowest Channel / 10MHz+15MHz



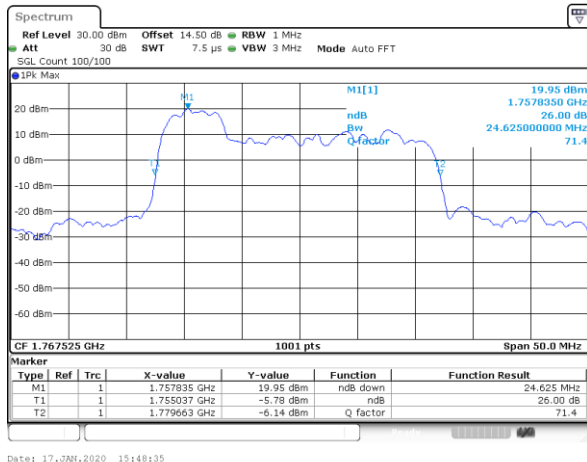
## Middle Channel / 5MHz+20MHz



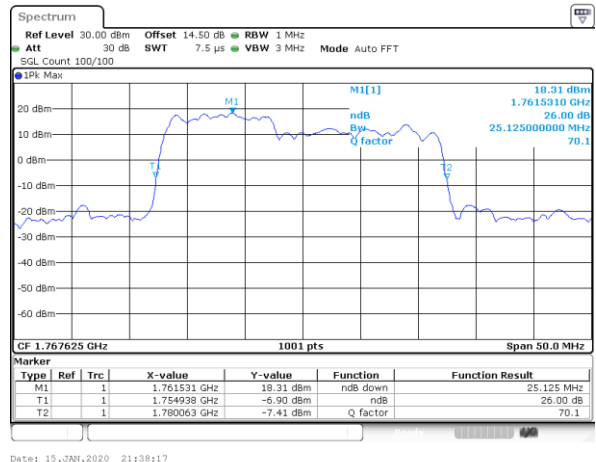
## Middle Channel / 10MHz+15MHz



## Highest Channel / 5MHz+20MHz



## Highest Channel / 10MHz+15MHz

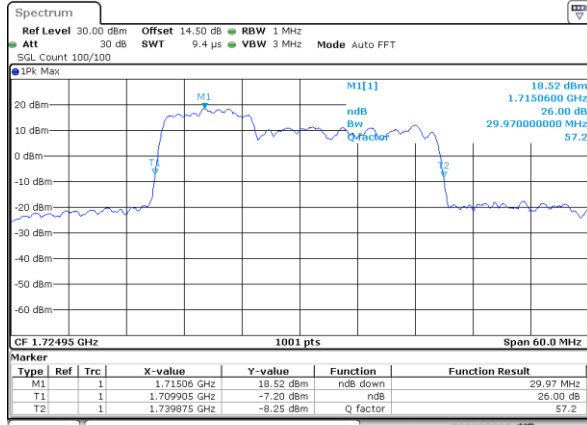




## LTE Band 66C

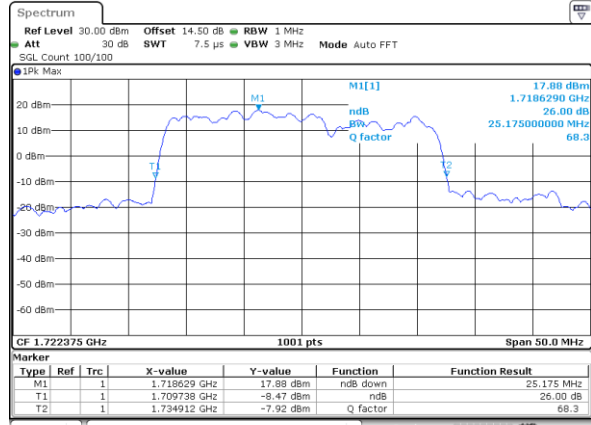
## 16QAM

## Lowest Channel / 10MHz+20MHz



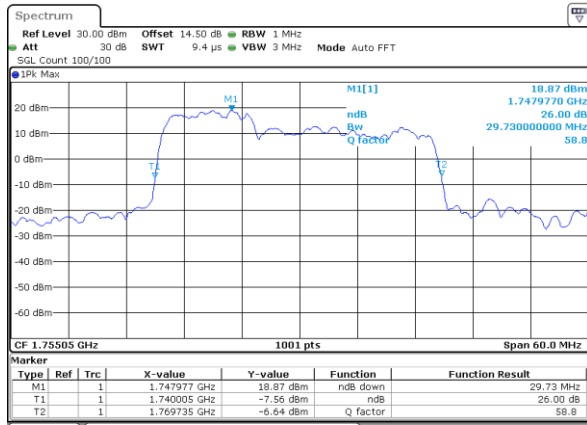
Date: 15.JAN.2020 23:32:21

## Lowest Channel / 15MHz+10MHz



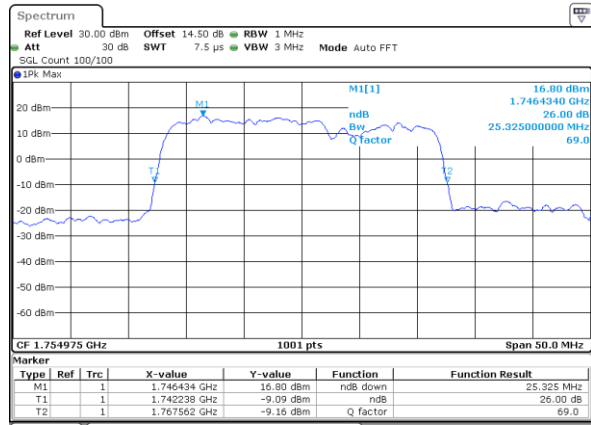
Date: 15.JAN.2020 22:13:48

## Middle Channel / 10MHz+20MHz



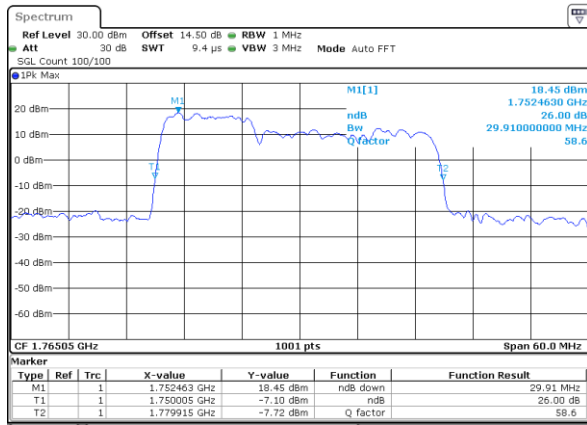
Date: 16.JAN.2020 00:58:05

## Middle Channel / 15MHz+10MHz



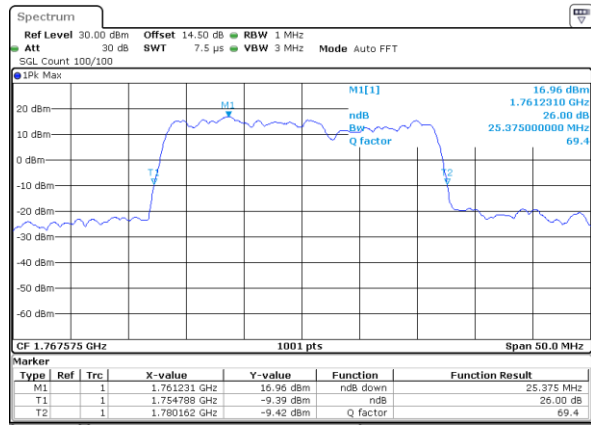
Date: 15.JAN.2020 23:05:33

## Highest Channel / 10MHz+20MHz



Date: 16.JAN.2020 00:00:59

## Highest Channel / 15MHz+10MHz



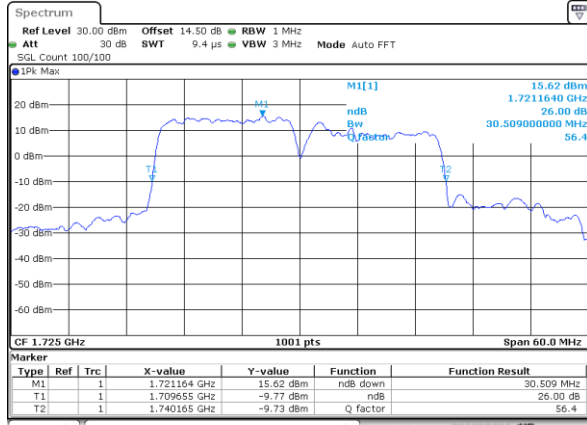
Date: 15.JAN.2020 23:11:33



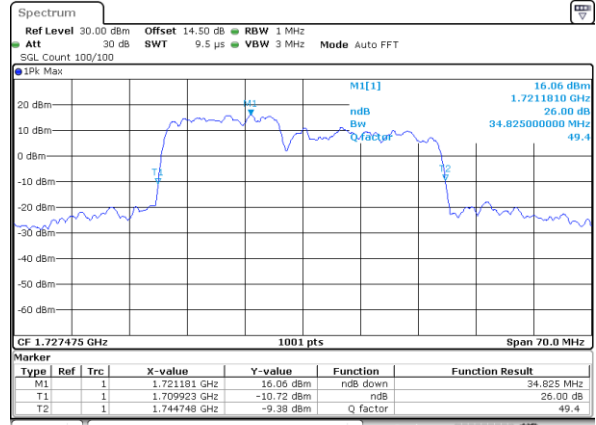
## LTE Band 66C

## 16QAM

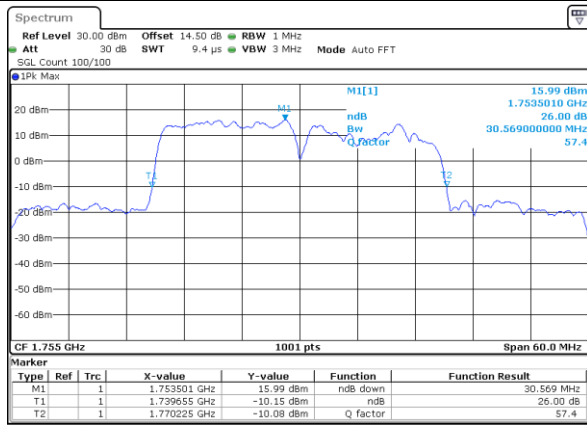
## Lowest Channel / 15MHz+15MHz



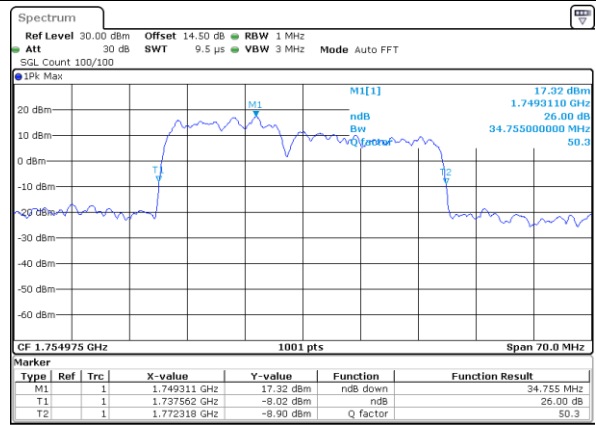
## Lowest Channel / 15MHz+20MHz



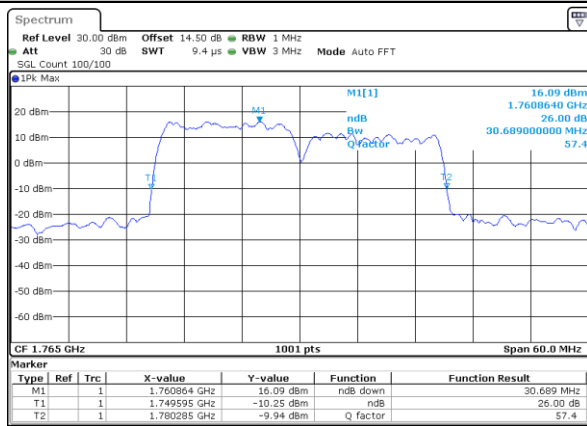
## Middle Channel / 15MHz+15MHz



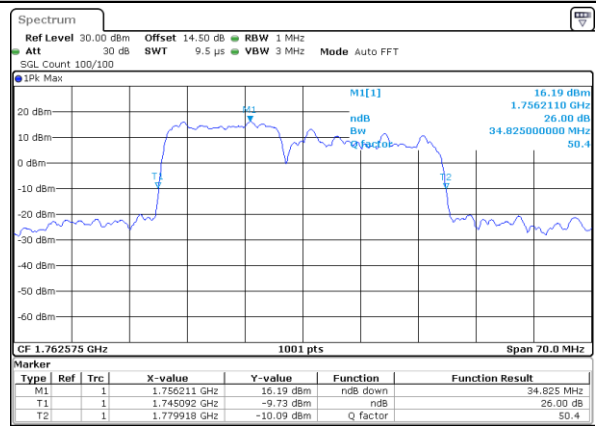
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

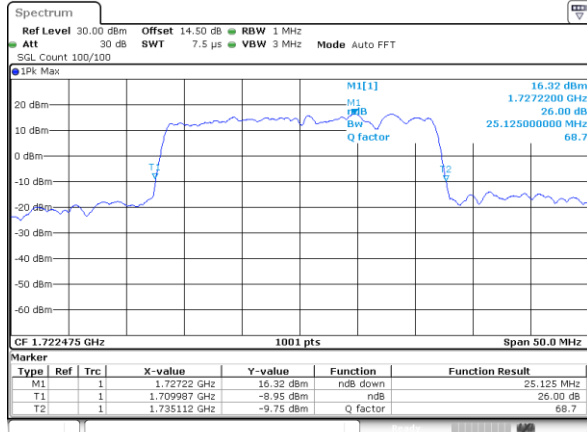




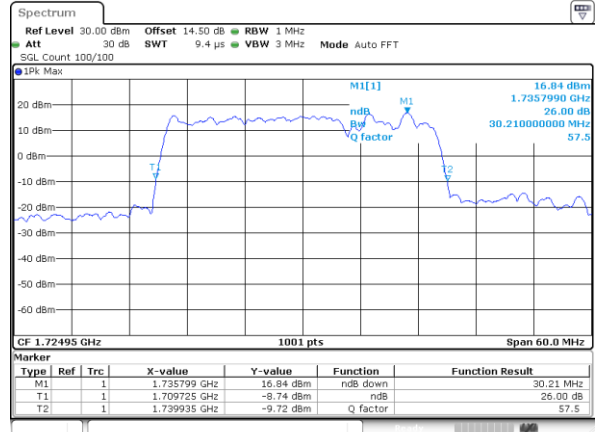
## LTE Band 66C

## 16QAM

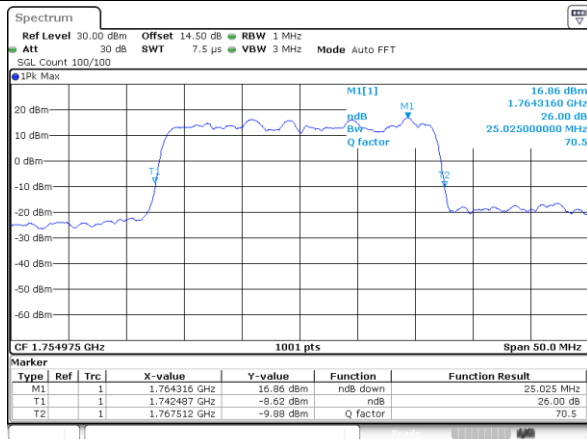
## Lowest Channel / 20MHz+5MHz



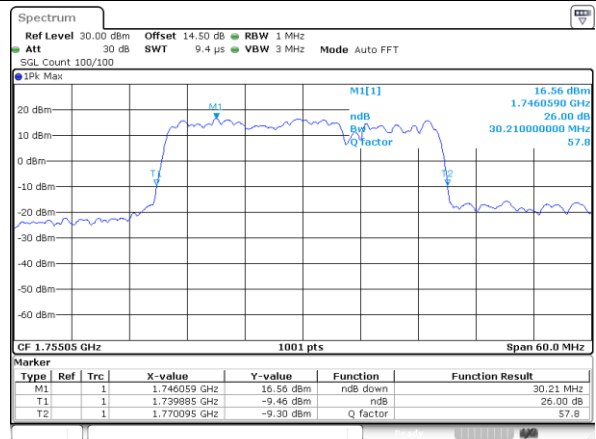
## Lowest Channel / 20MHz+10MHz



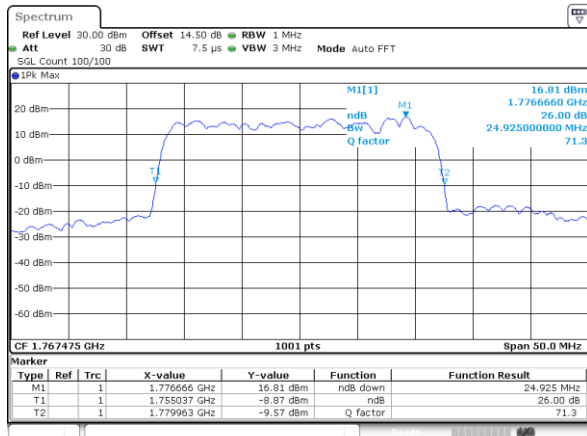
## Middle Channel / 20MHz+5MHz



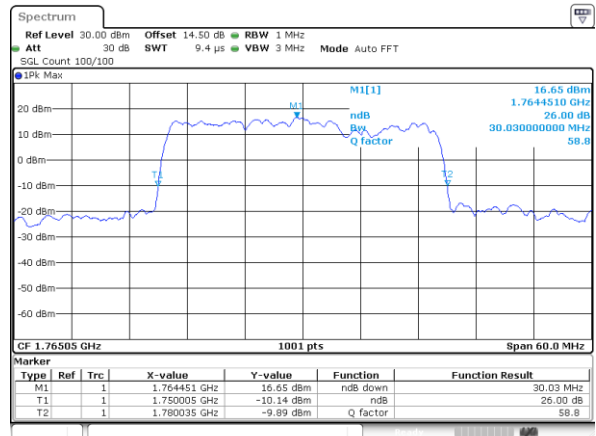
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz

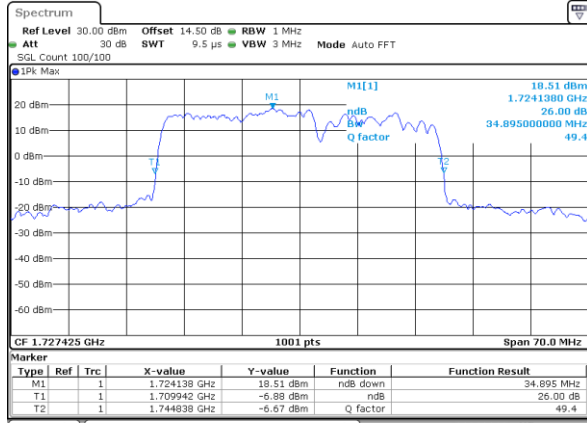




## LTE Band 66C

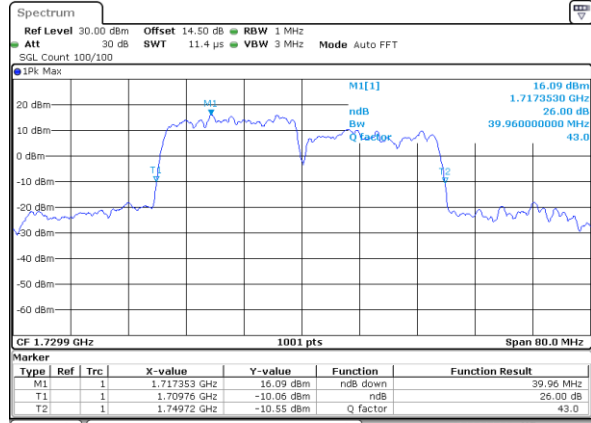
## 16QAM

## Lowest Channel / 20MHz+15MHz



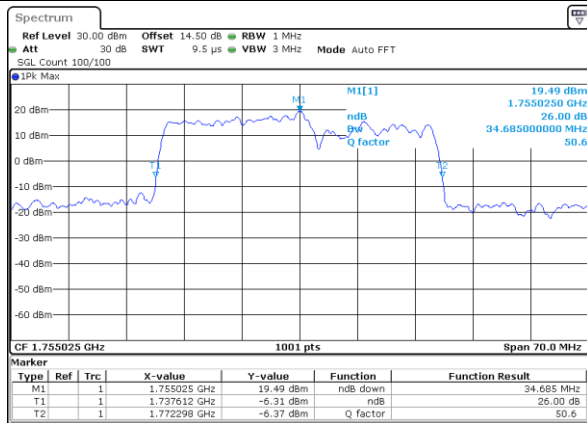
Date: 16.JAN.2020 16:25:09

## Lowest Channel / 20MHz+20MHz



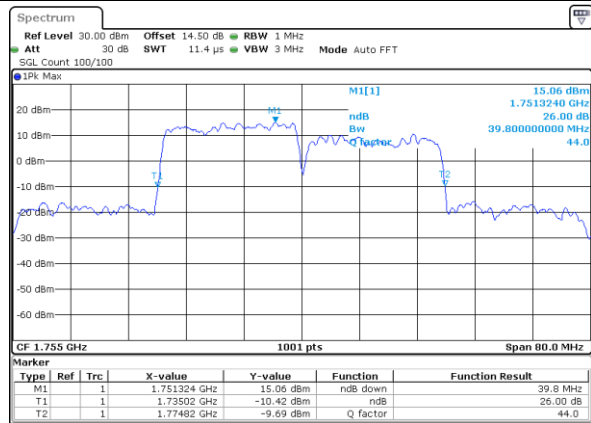
Date: 15.JAN.2020 17:22:55

## Middle Channel / 20MHz+15MHz



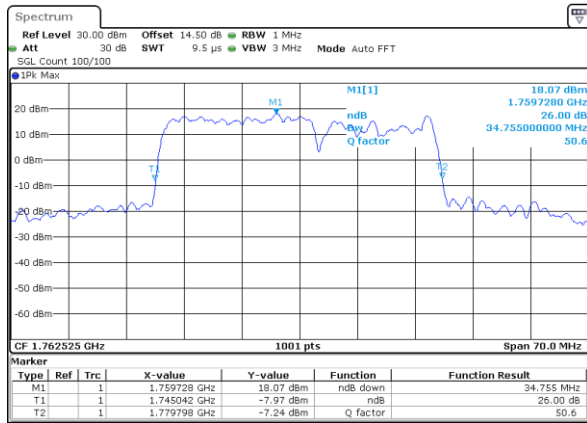
Date: 17.JAN.2020 10:24:12

## Middle Channel / 20MHz+20MHz



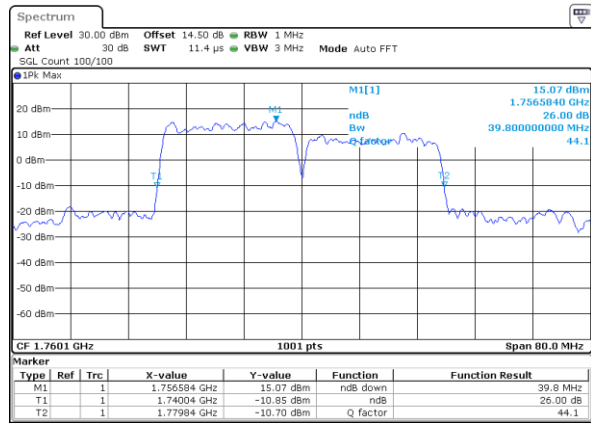
Date: 15.JAN.2020 16:07:23

## Highest Channel / 20MHz+15MHz



Date: 17.JAN.2020 11:34:49

## Highest Channel / 20MHz+20MHz



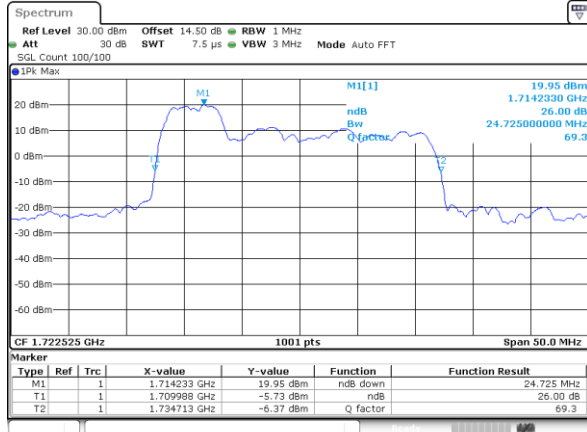
Date: 15.JAN.2020 15:01:14



## LTE Band 66C

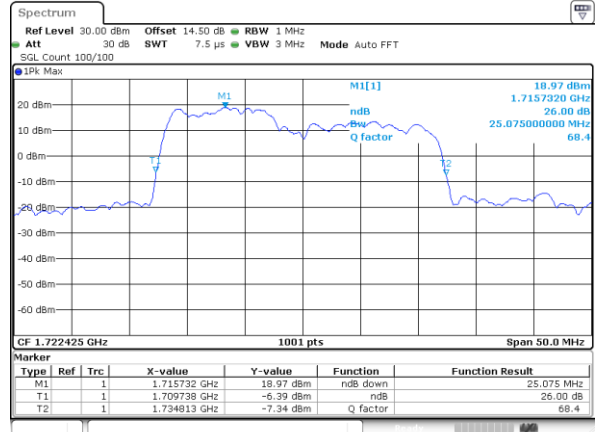
## 64QAM

## Lowest Channel / 5MHz+20MHz



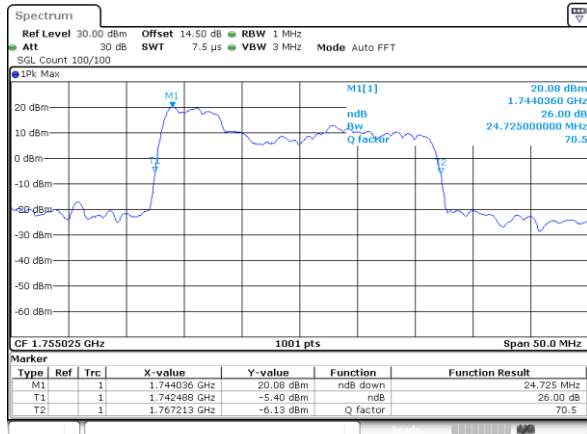
Date: 17.JAN.2020 11:51:27

## Lowest Channel / 10MHz+15MHz



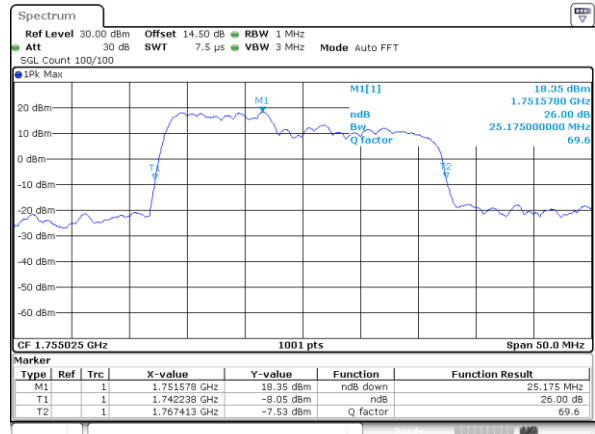
Date: 15.JAN.2020 21:14:36

## Middle Channel / 5MHz+20MHz



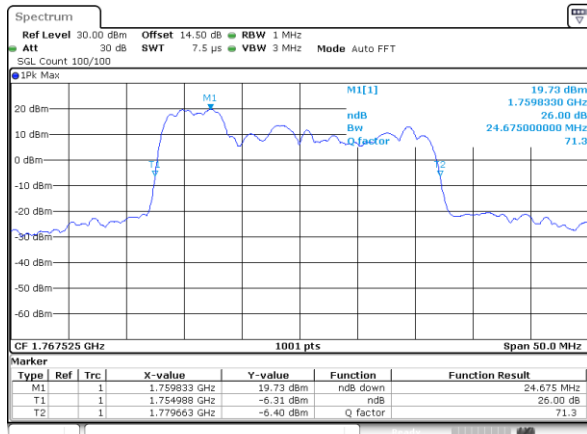
Date: 17.JAN.2020 14:21:32

## Middle Channel / 10MHz+15MHz



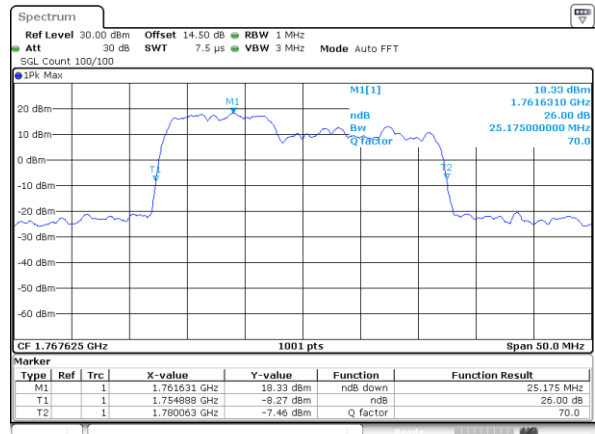
Date: 15.JAN.2020 21:32:01

## Highest Channel / 5MHz+20MHz



Date: 17.JAN.2020 15:53:12

## Highest Channel / 10MHz+15MHz



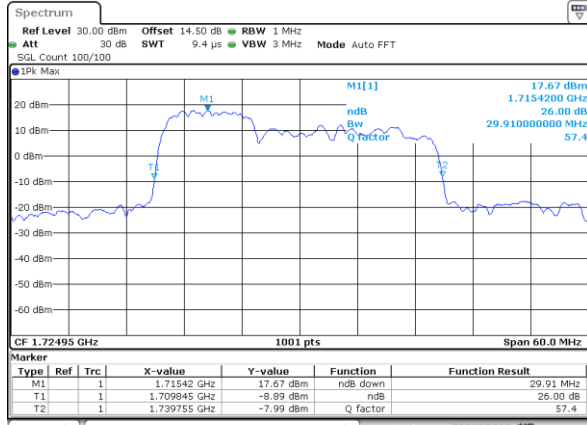
Date: 15.JAN.2020 21:39:46



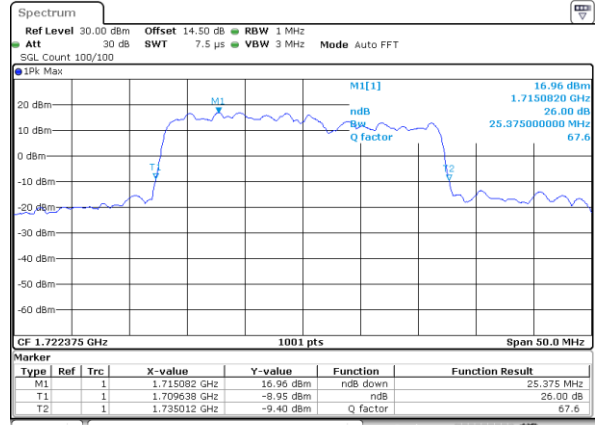
## LTE Band 66C

## 64QAM

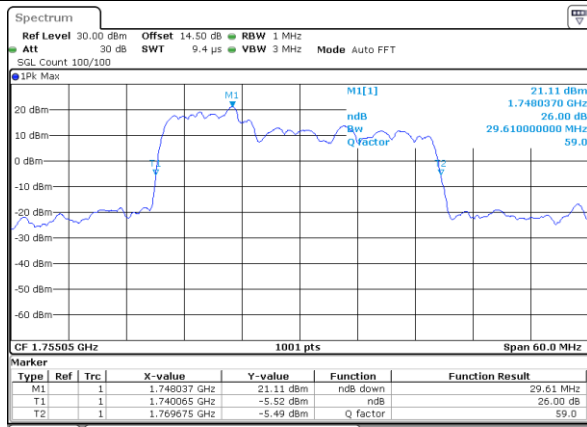
## Lowest Channel / 10MHz+20MHz



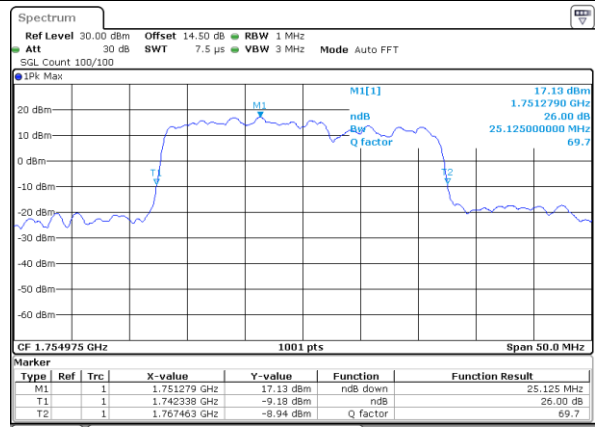
## Lowest Channel / 15MHz+10MHz



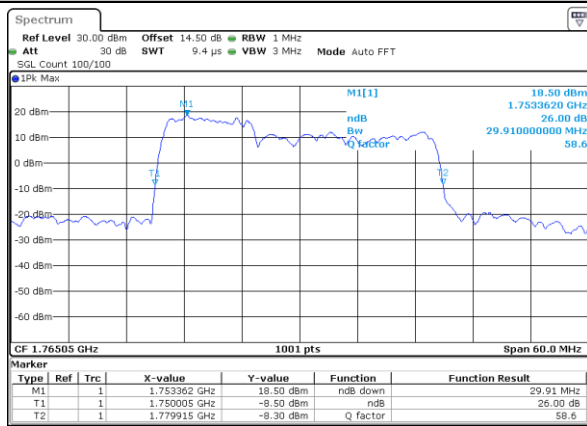
## Middle Channel / 10MHz+20MHz



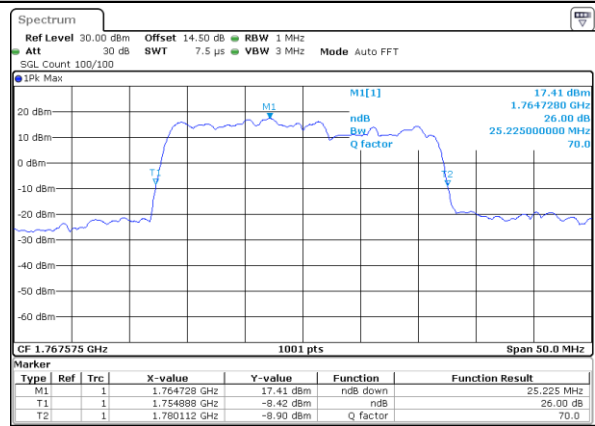
## Middle Channel / 15MHz+10MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+10MHz

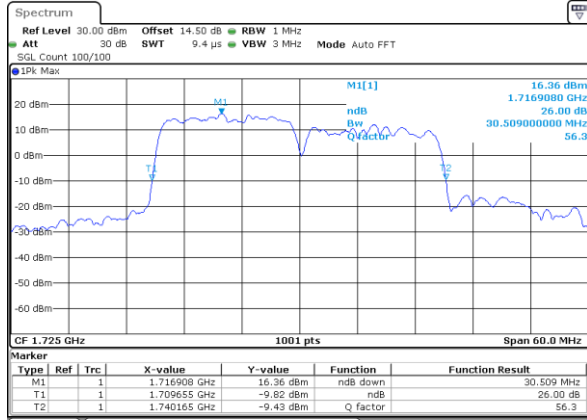




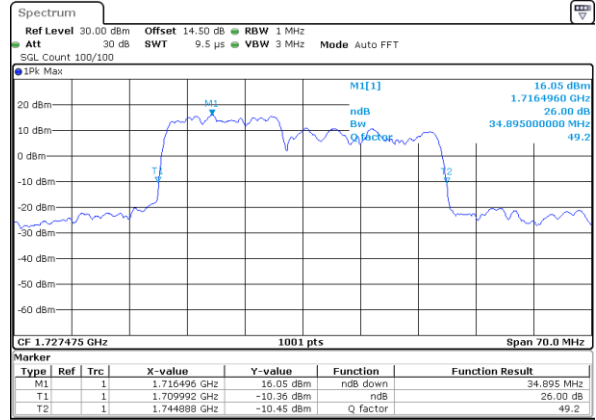
## LTE Band 66C

## 64QAM

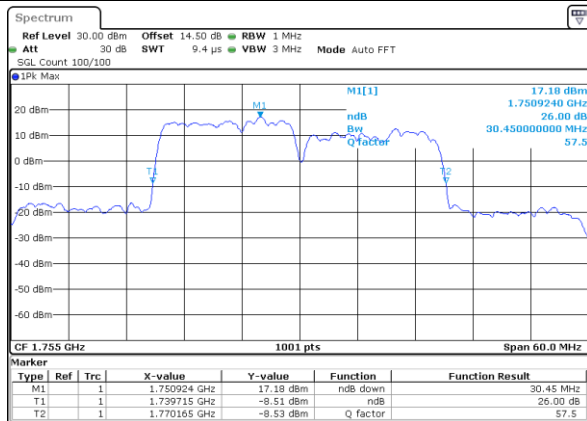
## Lowest Channel / 15MHz+15MHz



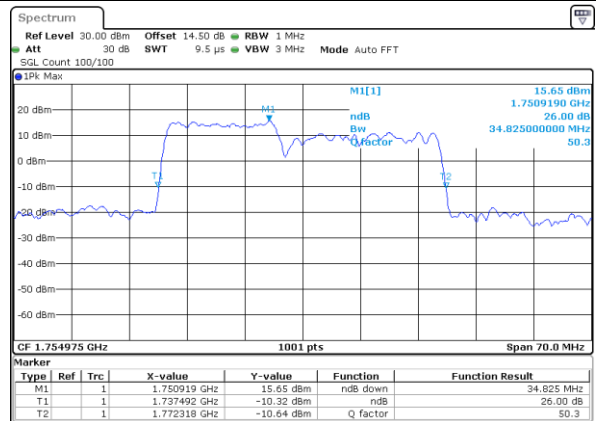
## Lowest Channel / 15MHz+20MHz



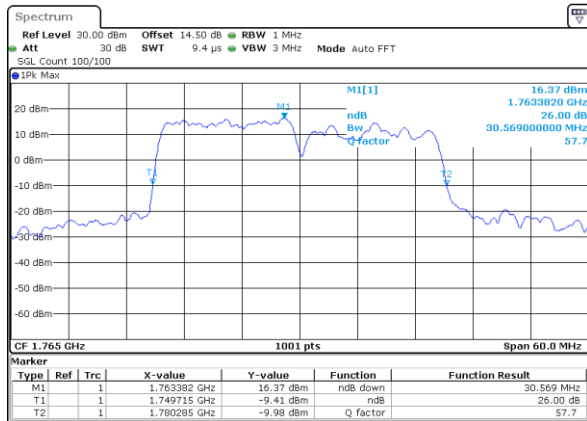
## Middle Channel / 15MHz+15MHz



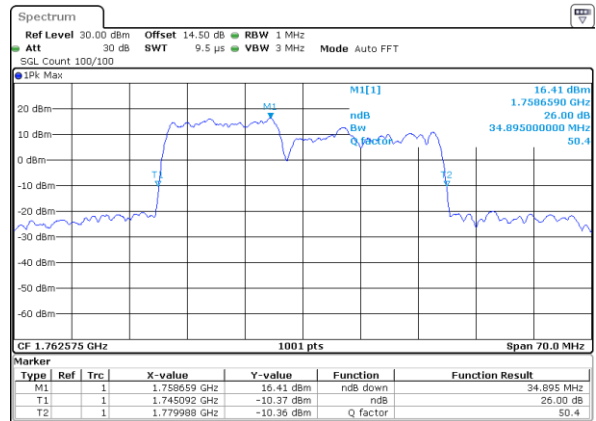
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

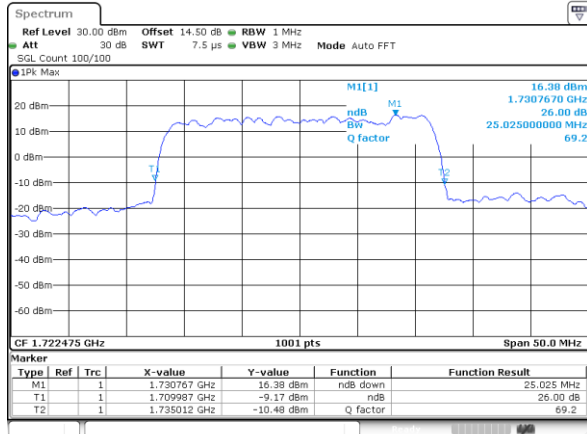




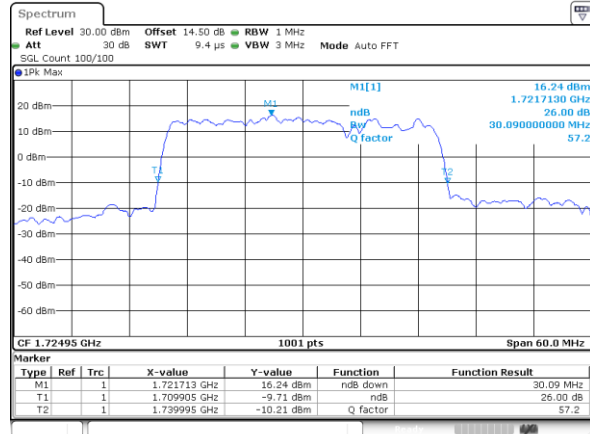
## LTE Band 66C

## 64QAM

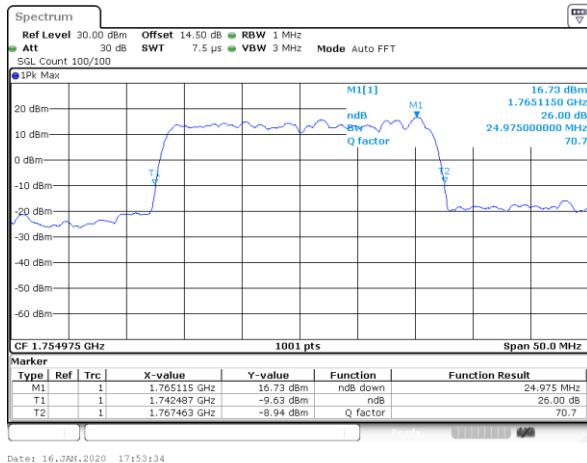
## Lowest Channel / 20MHz+5MHz



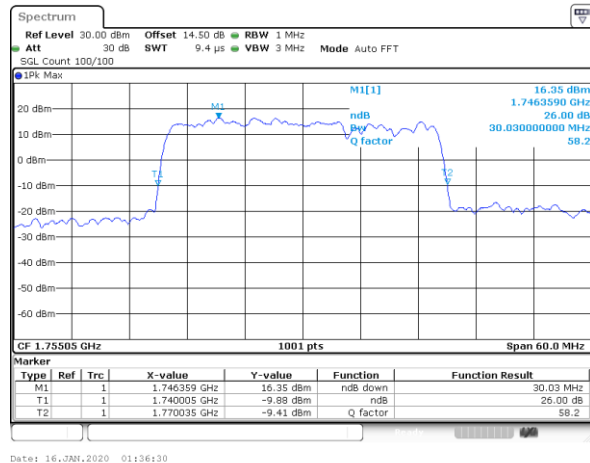
## Lowest Channel / 20MHz+10MHz



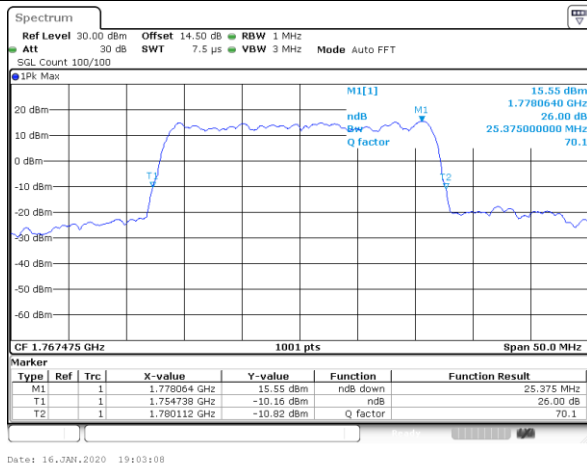
## Middle Channel / 20MHz+5MHz



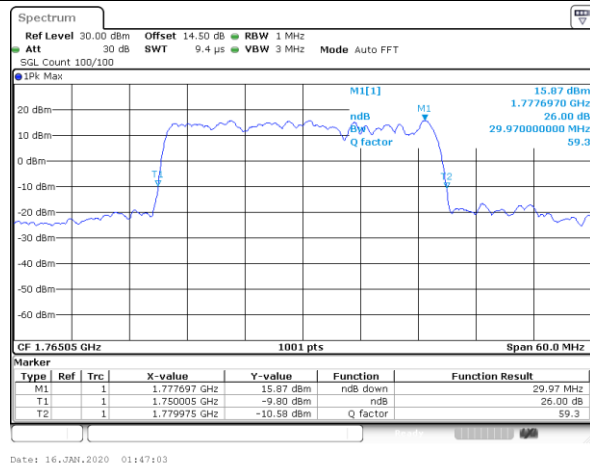
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz

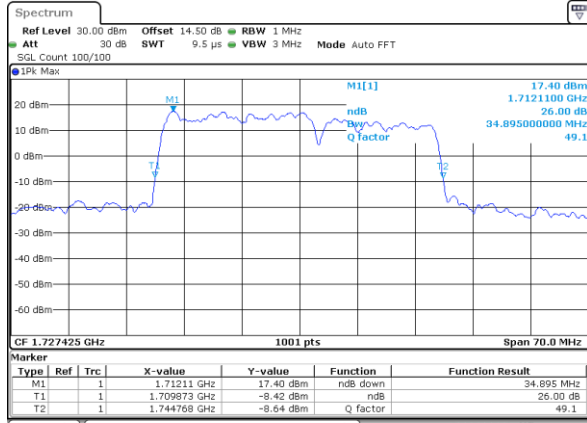




## LTE Band 66C

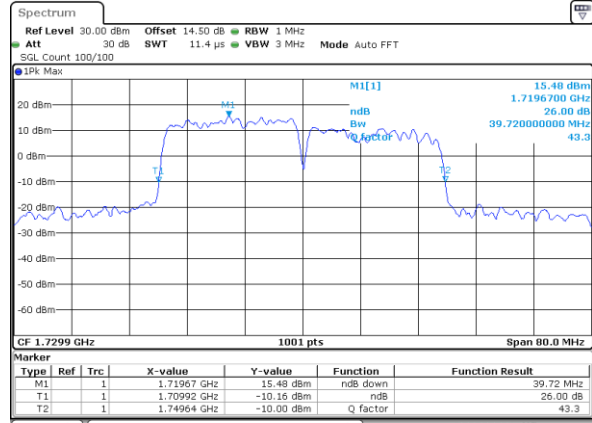
## 64QAM

## Lowest Channel / 20MHz+15MHz



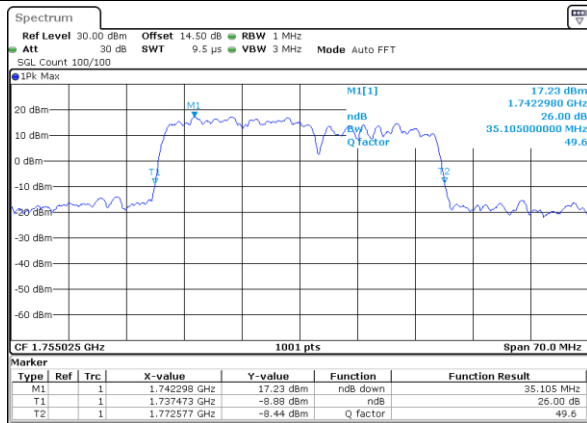
Date: 16.JAN.2020 16:28:51

## Lowest Channel / 20MHz+20MHz



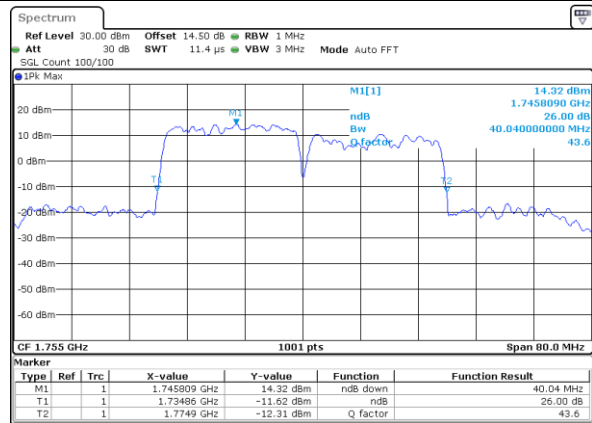
Date: 15.JAN.2020 17:26:27

## Middle Channel / 20MHz+15MHz



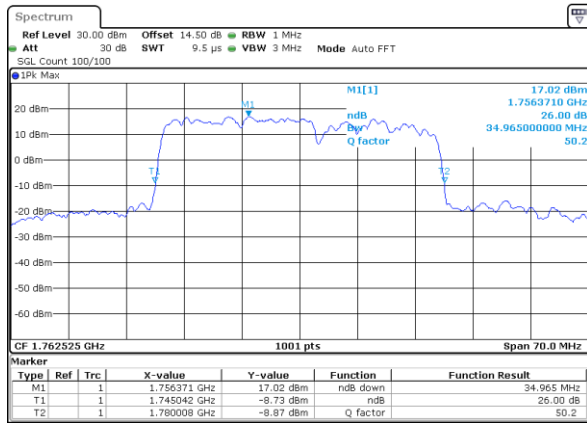
Date: 17.JAN.2020 10:29:51

## Middle Channel / 20MHz+20MHz



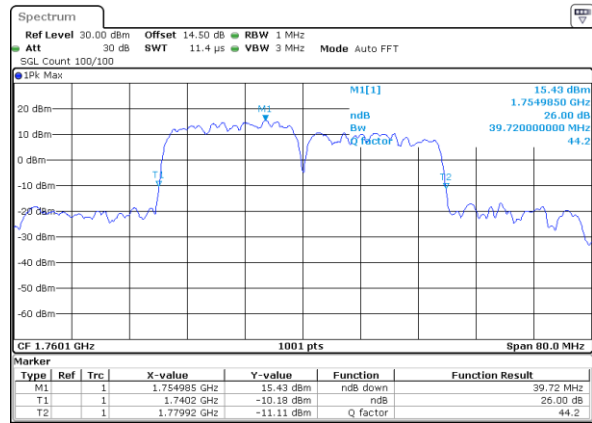
Date: 15.JAN.2020 15:56:01

## Highest Channel / 20MHz+15MHz



Date: 17.JAN.2020 11:31:35

## Highest Channel / 20MHz+20MHz



Date: 15.JAN.2020 15:05:08

**Occupied Bandwidth**

| Mode       | LTE Band 66C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                            |             |             |             |             |
| BW         | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.23                      | 23.38       | 28.05       | 23.23       | 28.41       |
| Middle CH  | 22.98                      | 23.58       | 27.93       | 23.38       | 28.59       |
| Highest CH | 23.13                      | 23.63       | 27.93       | 23.18       | 27.99       |
| BW         | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.73                      | 23.28       | 27.99       | 32.59       | 37.56       |
| Middle CH  | 32.66                      | 23.08       | 27.93       | 32.73       | 37.80       |
| Highest CH | 32.45                      | 23.18       | 27.99       | 32.73       | 37.24       |

| Mode       | LTE Band 66C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                            |             |             |             |             |
| BW         | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.08                      | 23.58       | 27.69       | 23.18       | 28.41       |
| Middle CH  | 22.93                      | 23.28       | 27.51       | 23.23       | 28.47       |
| Highest CH | 23.08                      | 23.33       | 27.57       | 23.58       | 28.23       |
| BW         | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.66                      | 23.23       | 27.81       | 32.73       | 37.48       |
| Middle CH  | 32.45                      | 23.28       | 27.87       | 32.66       | 37.32       |
| Highest CH | 33.01                      | 23.18       | 27.93       | 32.73       | 37.24       |

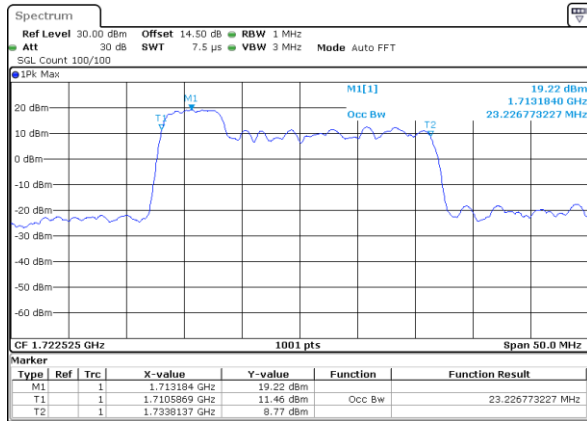
| Mode       | LTE Band 66C : 99%OBW(MHz) |             |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                            |             |             |             |             |
| BW         | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.03                      | 23.38       | 27.69       | 23.43       | 28.29       |
| Middle CH  | 23.23                      | 23.13       | 27.81       | 23.28       | 28.17       |
| Highest CH | 22.88                      | 23.38       | 27.99       | 23.53       | 28.47       |
| BW         | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.80                      | 23.43       | 27.93       | 32.59       | 37.48       |
| Middle CH  | 32.66                      | 23.23       | 27.81       | 32.73       | 37.56       |
| Highest CH | 32.66                      | 23.33       | 28.11       | 32.66       | 37.72       |



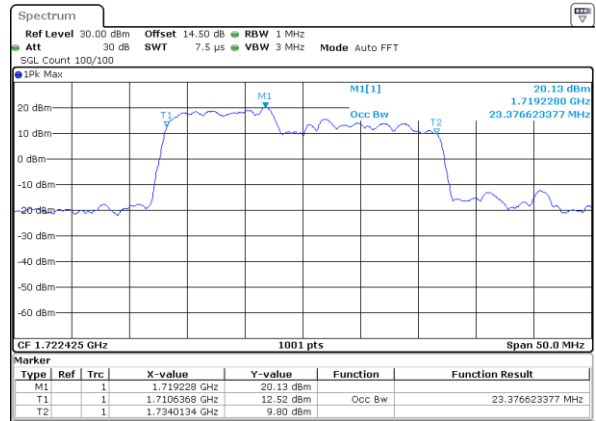
## LTE Band 66C

## QPSK

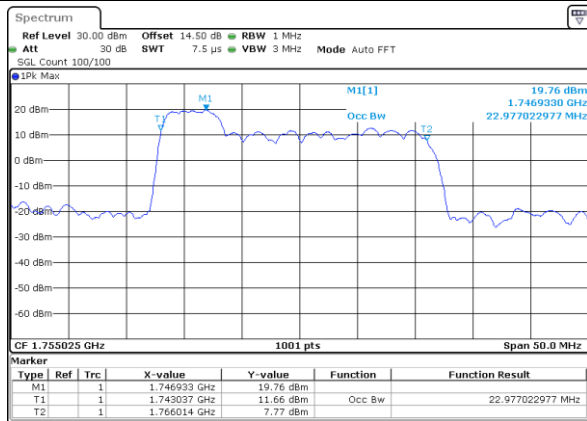
## Lowest Channel / 5MHz+20MHz



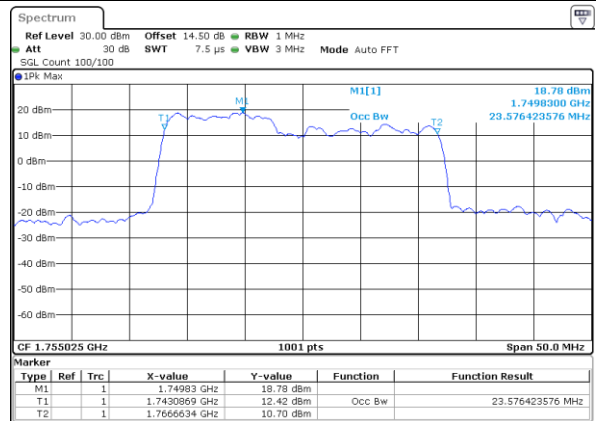
## Lowest Channel / 10MHz+15MHz



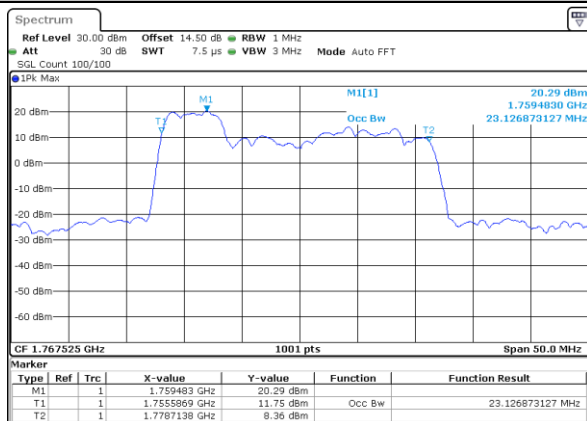
## Middle Channel / 5MHz+20MHz



## Middle Channel / 10MHz+15MHz



## Highest Channel / 5MHz+20MHz



## Highest Channel / 10MHz+15MHz

