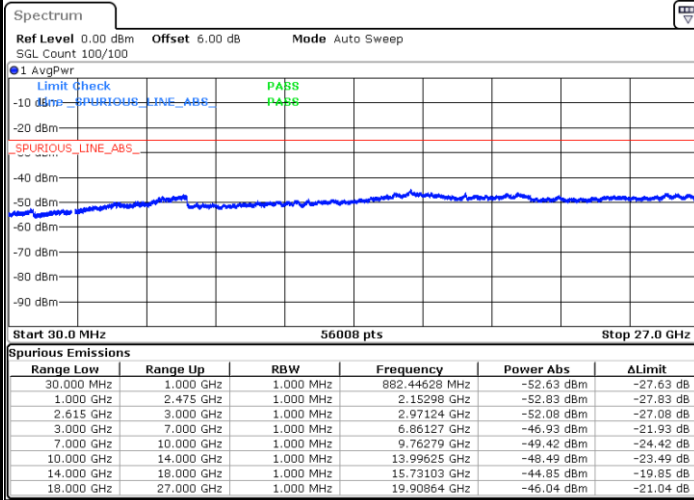




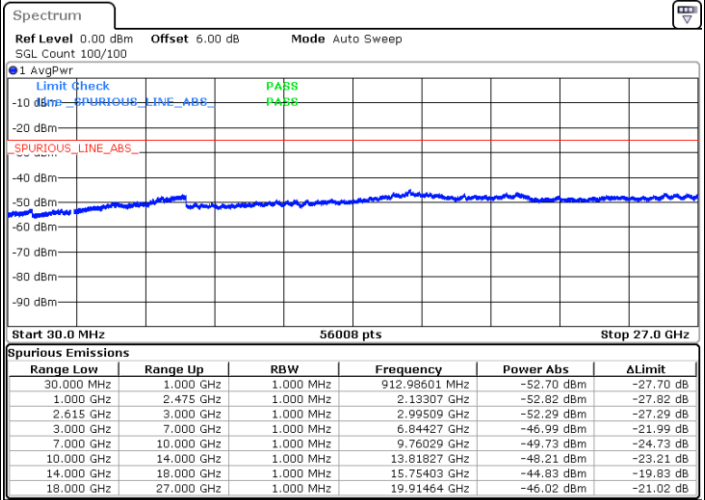
## LTE Band 7 CA / 20MHz+20MHz

## Highest Channel / QPSK



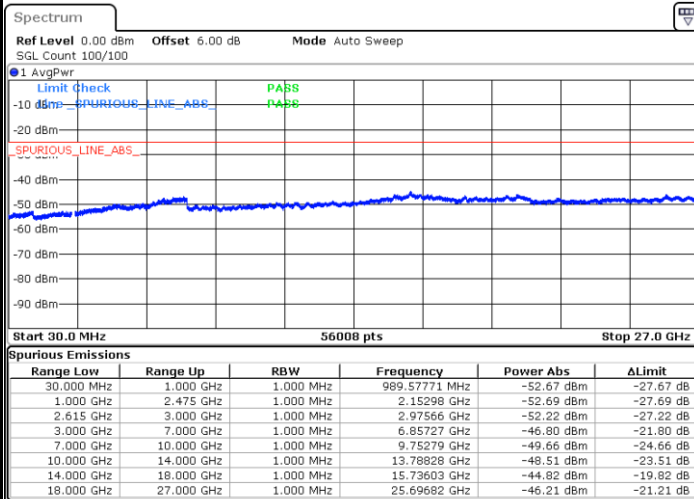
Date: 7.JAN.2020 01:09:57

## Highest Channel / 16QAM



Date: 7.JAN.2020 01:11:37

## Highest Channel / 64QAM



Date: 7.JAN.2020 01:13:58



## LTE Band 41 CA

## 26dB Bandwidth

| Mode       | LTE Band 41 CA : 26dB BW(MHz) |             |             |             |             |
|------------|-------------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                               |             |             |             |             |
| BW         | 5MHz+20MHz                    | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.875                        | 25.225      | 30.03       | 25.175      | 30.569      |
| Middle CH  | 24.875                        | 25.225      | 29.97       | 25.025      | 30.509      |
| Highest CH | 24.825                        | 25.275      | 30.03       | 24.925      | 30.509      |
| BW         | 15MHz+20MHz                   | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.895                        | 25.025      | 30.03       | 34.895      | 39.88       |
| Middle CH  | 34.685                        | 25.025      | 30.03       | 34.965      | 39.8        |
| Highest CH | 34.825                        | 25.025      | 30.03       | 35.245      | 39.8        |

| Mode       | LTE Band 41 CA : 26dB BW(MHz) |             |             |             |             |
|------------|-------------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                               |             |             |             |             |
| BW         | 5MHz+20MHz                    | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.875                        | 25.225      | 29.91       | 25.025      | 30.45       |
| Middle CH  | 24.875                        | 25.125      | 29.97       | 25.075      | 30.39       |
| Highest CH | 24.825                        | 25.225      | 29.91       | 25.175      | 30.39       |
| BW         | 15MHz+20MHz                   | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.825                        | 24.875      | 29.97       | 34.895      | 39.72       |
| Middle CH  | 34.825                        | 24.975      | 29.91       | 35.175      | 39.72       |
| Highest CH | 34.895                        | 24.925      | 29.97       | 35.175      | 39.64       |

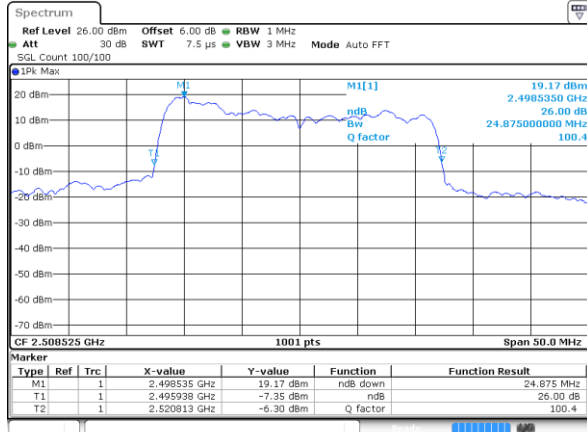
| Mode       | LTE Band 41 CA : 26dB BW(MHz) |             |             |             |             |
|------------|-------------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                               |             |             |             |             |
| BW         | 5MHz+20MHz                    | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 24.875                        | 25.325      | 30.03       | 25.175      | 30.509      |
| Middle CH  | 24.925                        | 25.275      | 30.03       | 25.325      | 30.509      |
| Highest CH | 24.875                        | 25.225      | 29.97       | 25.025      | 30.569      |
| BW         | 15MHz+20MHz                   | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 34.895                        | 24.925      | 30.09       | 35.105      | 39.96       |
| Middle CH  | 34.755                        | 24.925      | 29.97       | 34.895      | 39.88       |
| Highest CH | 34.755                        | 24.975      | 29.97       | 34.825      | 39.8        |



## LTE Band 41 CA

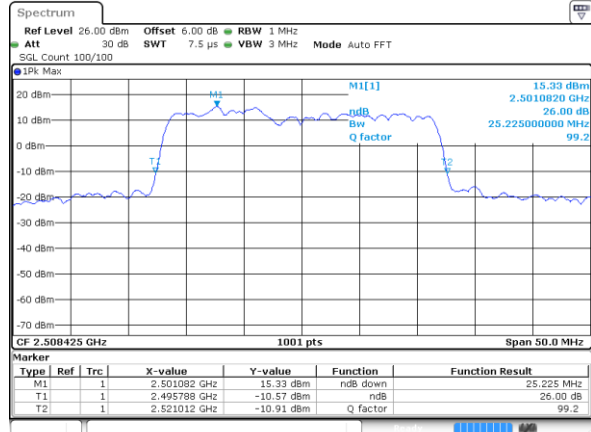
## QPSK

## Lowest Channel / 5MHz+20MHz



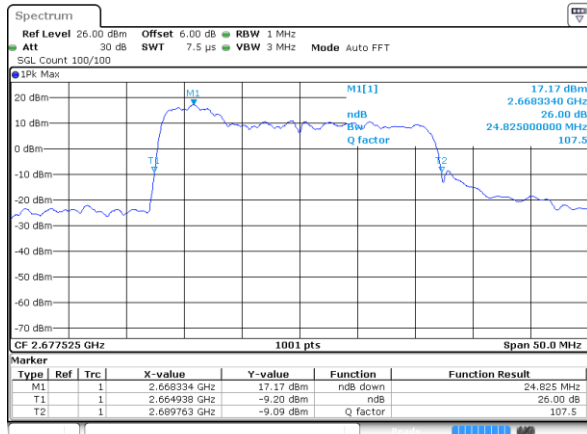
Date: 21 JAN 2020 11:08:57

## Lowest Channel / 10MHz+15MHz



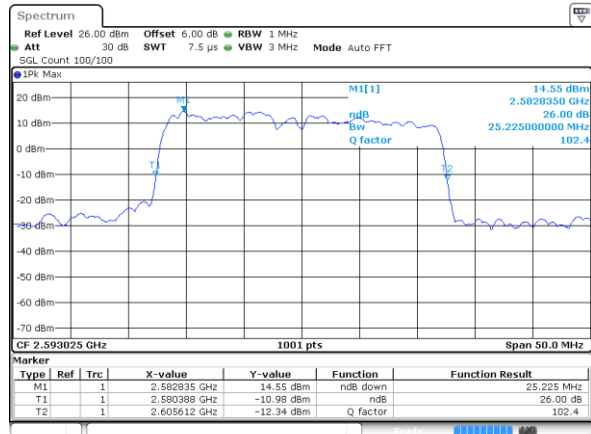
Date: 21 JAN 2020 14:36:20

## Middle Channel / 5MHz+20MHz



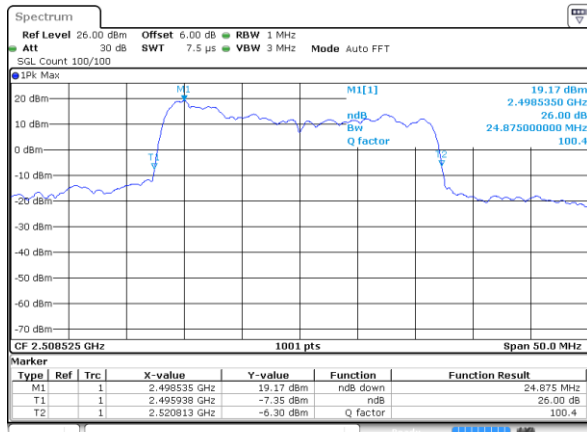
Date: 21 JAN 2020 14:01:07

## Middle Channel / 10MHz+15MHz



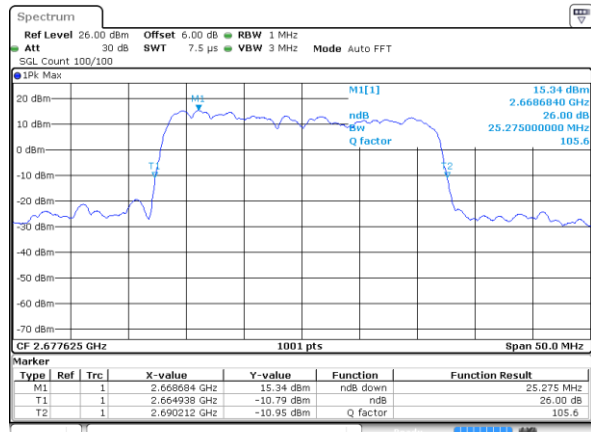
Date: 21 JAN 2020 15:11:11

## Highest Channel / 5MHz+20MHz



Date: 21 JAN 2020 11:08:57

## Highest Channel / 10MHz+15MHz



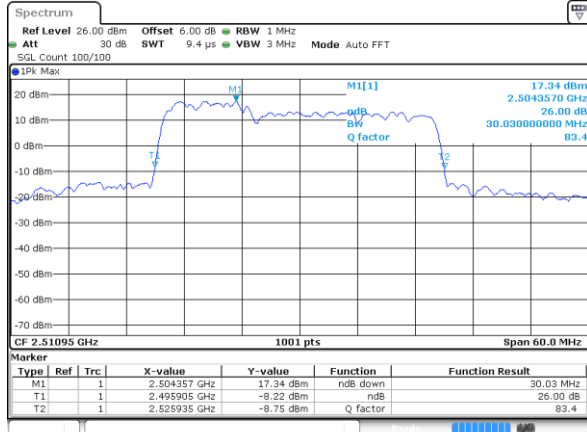
Date: 21 JAN 2020 15:30:10



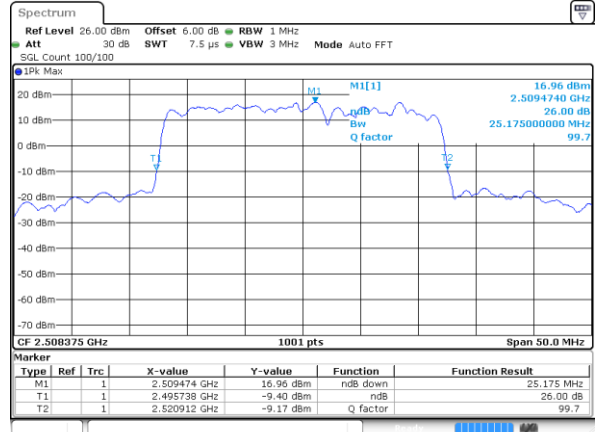
## LTE Band 41 CA

## QPSK

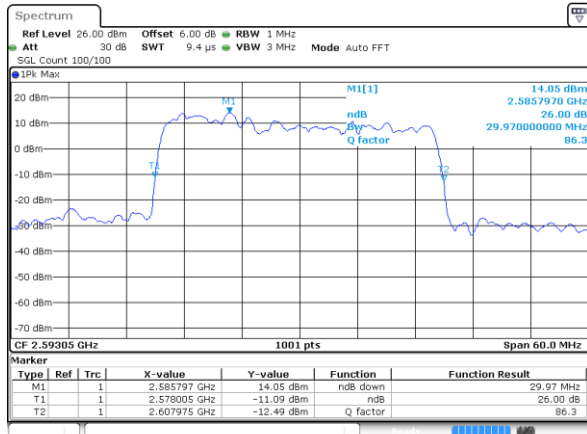
## Lowest Channel / 10MHz+20MHz



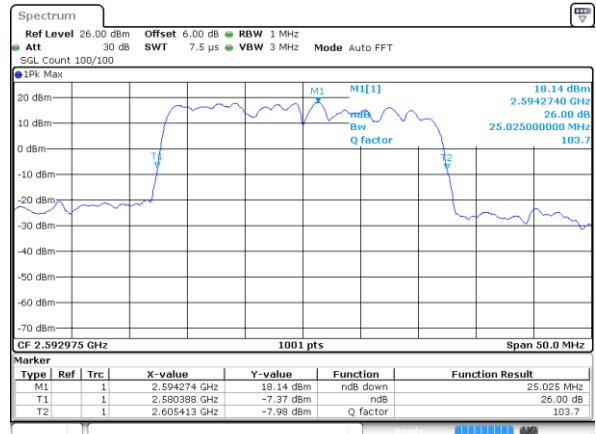
## Lowest Channel / 15MHz+10MHz



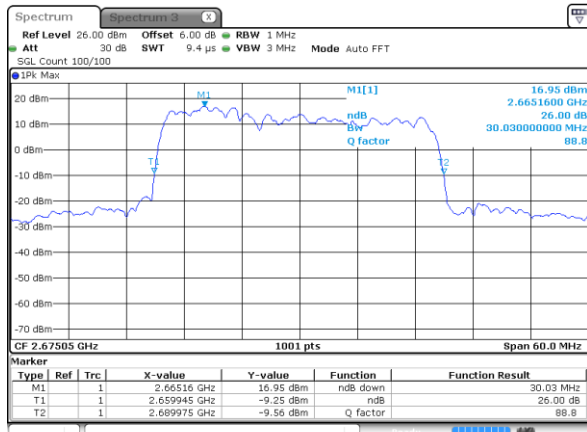
## Middle Channel / 10MHz+20MHz



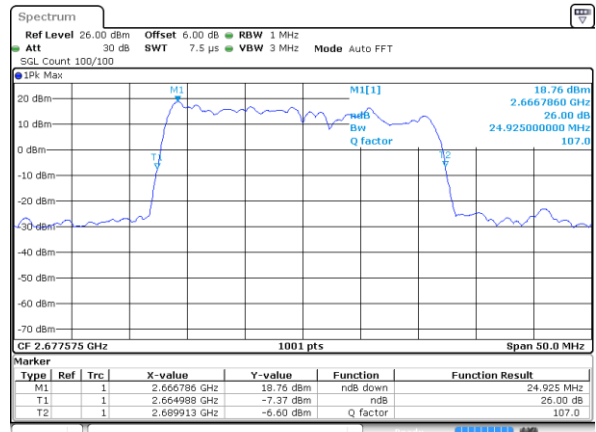
## Middle Channel / 15MHz+10MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+10MHz

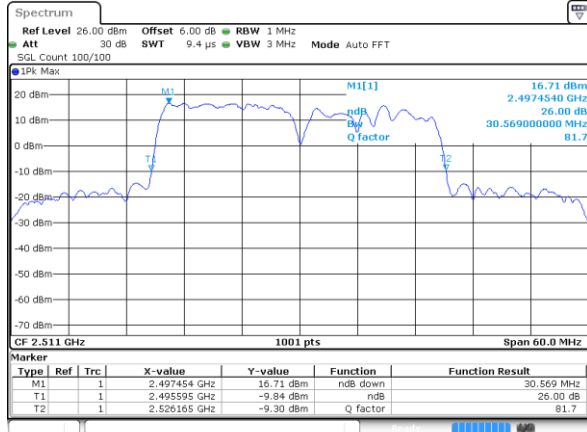




## LTE Band 41 CA

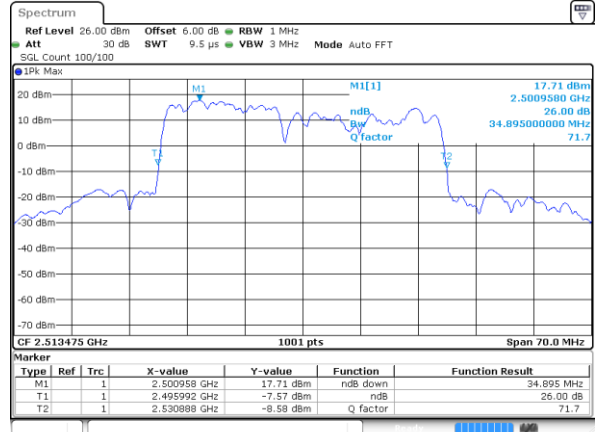
## QPSK

## Lowest Channel / 15MHz+15MHz



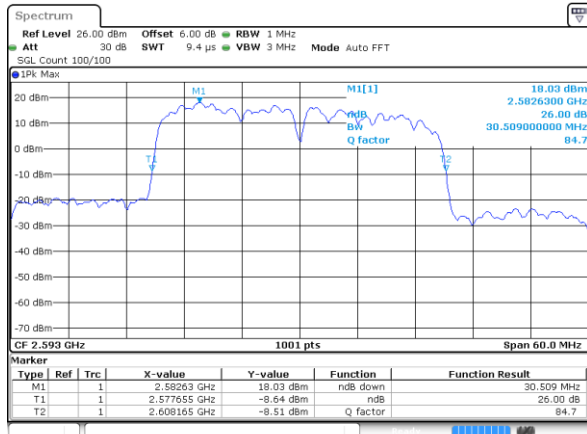
Date: 21 FEB 2020 07:49:08

## Lowest Channel / 15MHz+20MHz



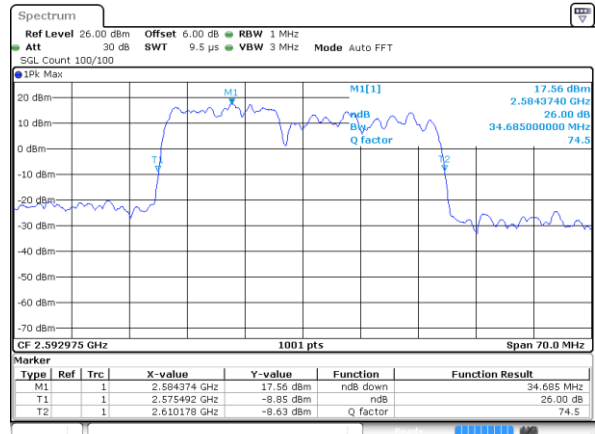
Date: 21 FEB 2020 07:52:20

## Middle Channel / 15MHz+15MHz



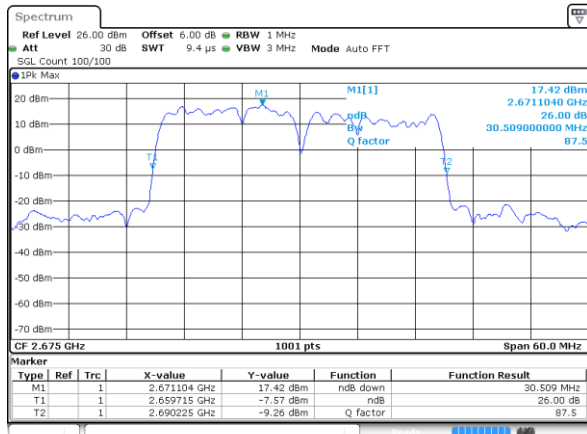
Date: 21 FEB 2020 07:42:15

## Middle Channel / 15MHz+20MHz



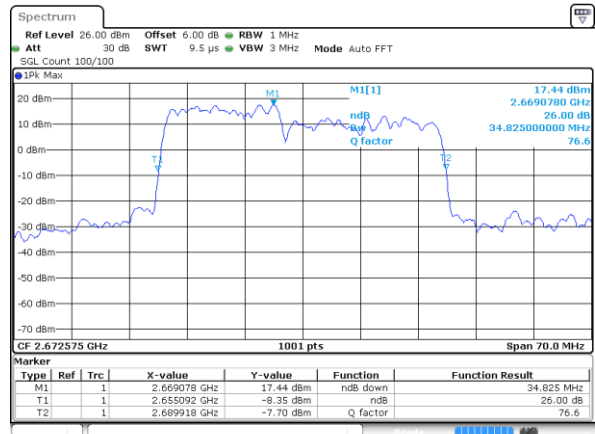
Date: 21 FEB 2020 07:59:23

## Highest Channel / 15MHz+15MHz



Date: 21 FEB 2020 07:39:35

## Highest Channel / 15MHz+20MHz



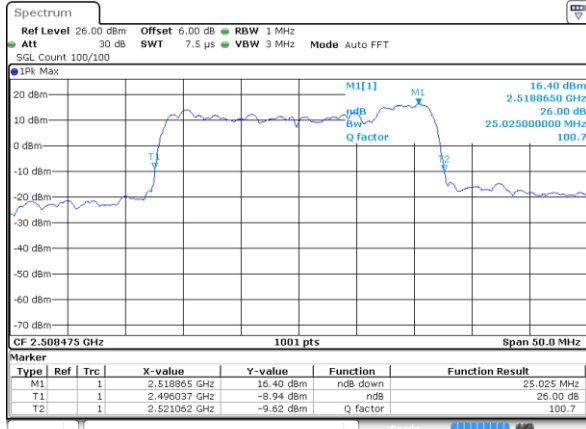
Date: 21 FEB 2020 08:02:11



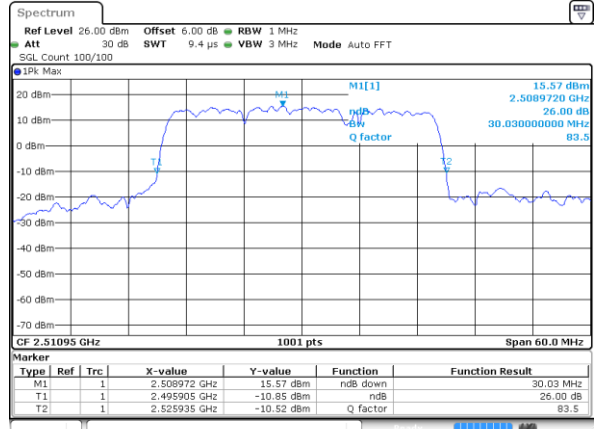
## LTE Band 41 CA

## QPSK

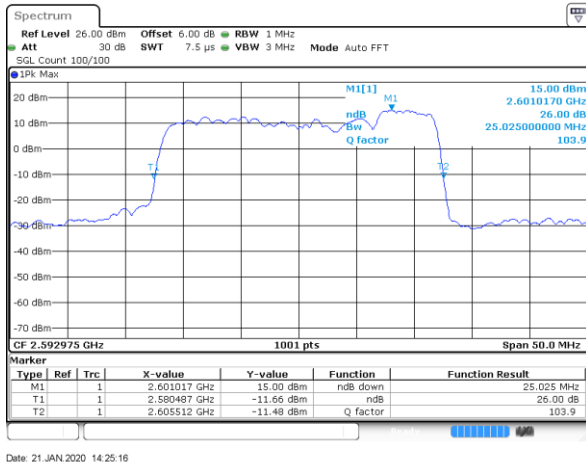
## Lowest Channel / 20MHz+5MHz



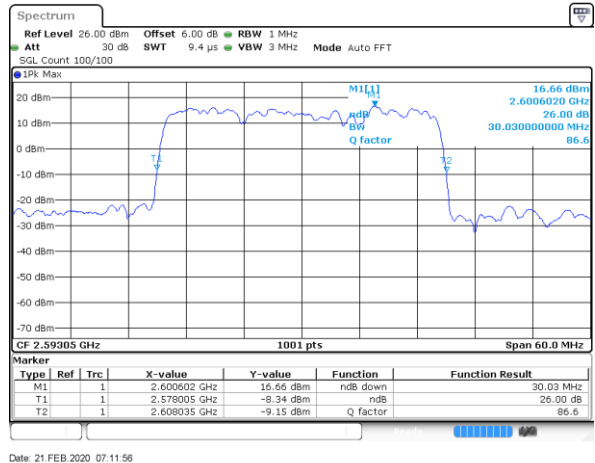
## Lowest Channel / 20MHz+10MHz



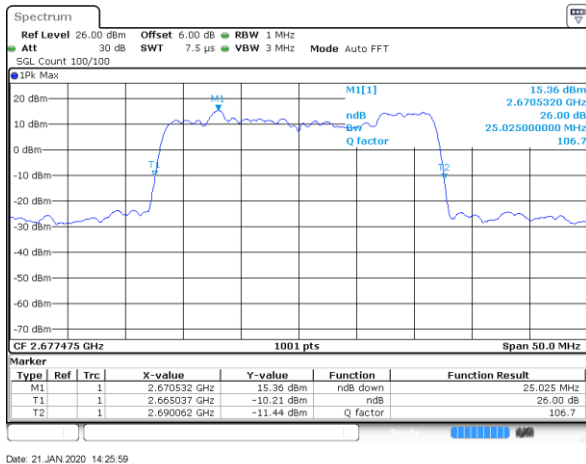
## Middle Channel / 20MHz+5MHz



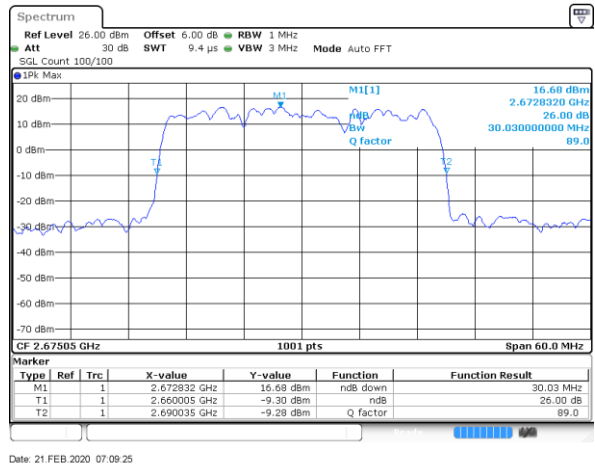
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz

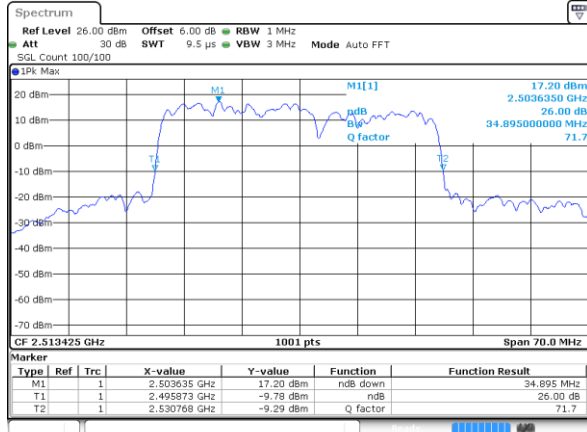




## LTE Band 41 CA

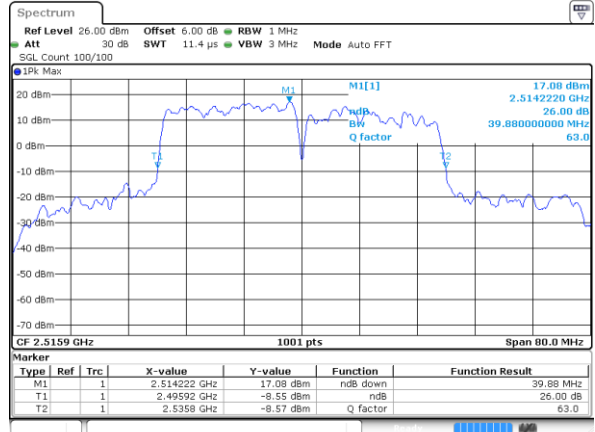
## QPSK

## Lowest Channel / 20MHz+15MHz



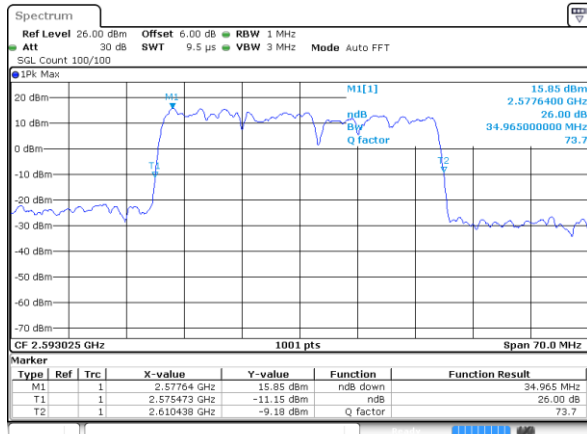
Date: 21 FEB 2020 06:53:25

## Lowest Channel / 20MHz+20MHz



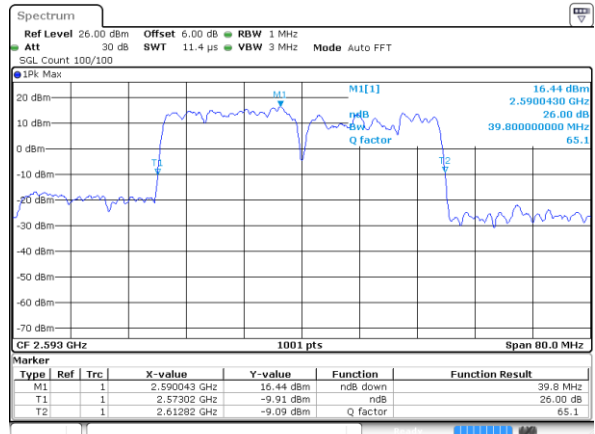
Date: 20 FEB 2020 07:25:54

## Middle Channel / 20MHz+15MHz



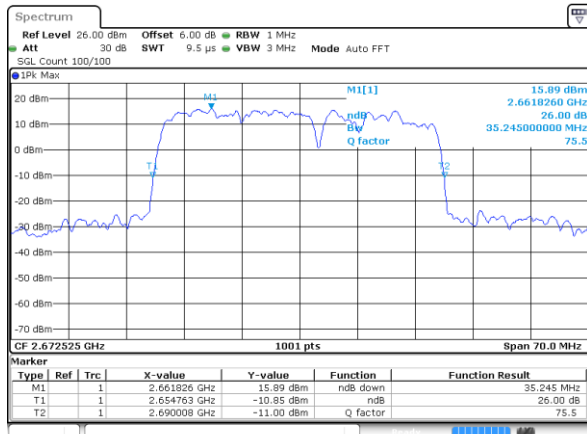
Date: 21 FEB 2020 06:58:56

## Middle Channel / 20MHz+20MHz



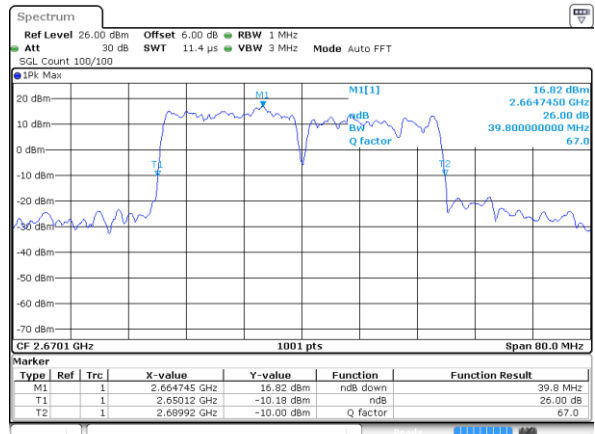
Date: 20 FEB 2020 07:34:40

## Highest Channel / 20MHz+15MHz



Date: 21 FEB 2020 07:01:28

## Highest Channel / 20MHz+20MHz



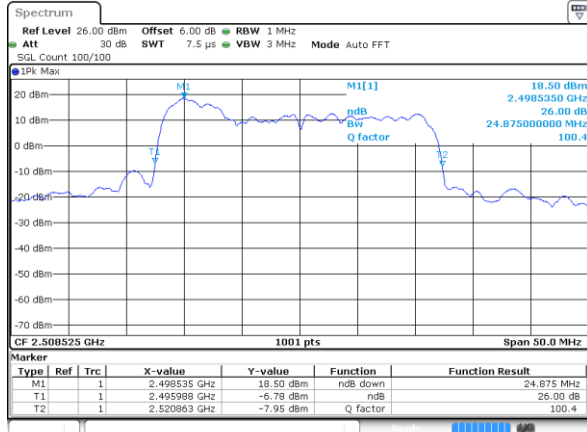
Date: 20 FEB 2020 07:37:26



## LTE Band 41 CA

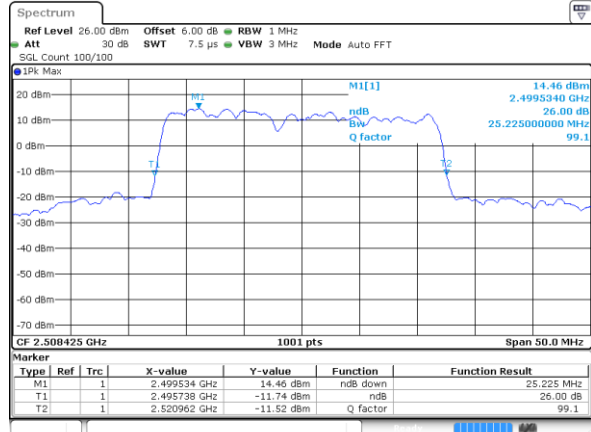
## 16QAM

## Lowest Channel / 5MHz+20MHz



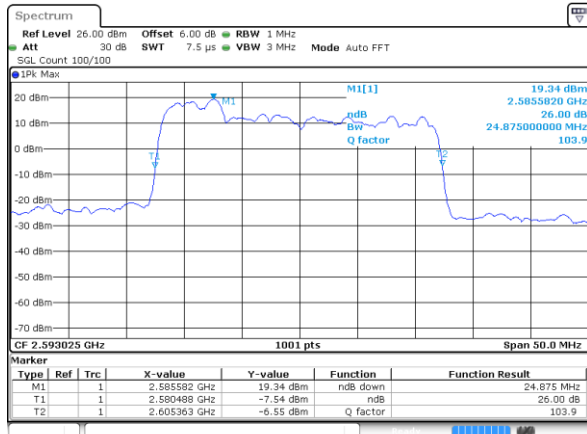
Date: 21 JAN 2020 11:08:35

## Lowest Channel / 10MHz+15MHz



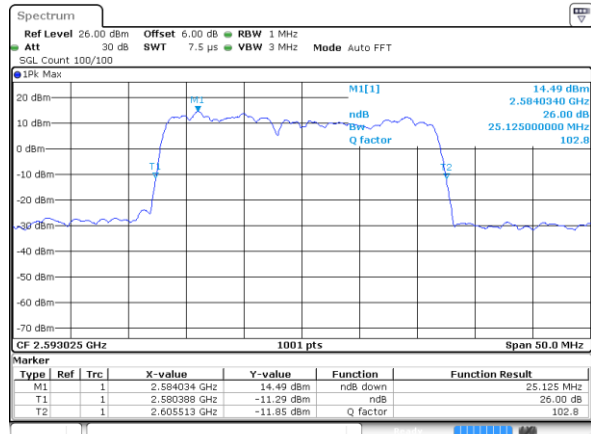
Date: 21 JAN 2020 14:36:42

## Middle Channel / 5MHz+20MHz



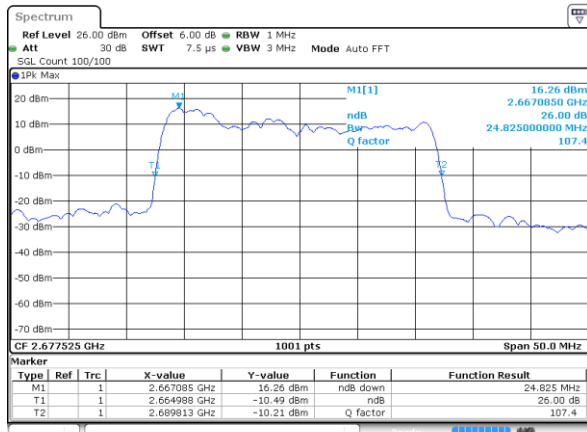
Date: 21 JAN 2020 10:25:38

## Middle Channel / 10MHz+15MHz



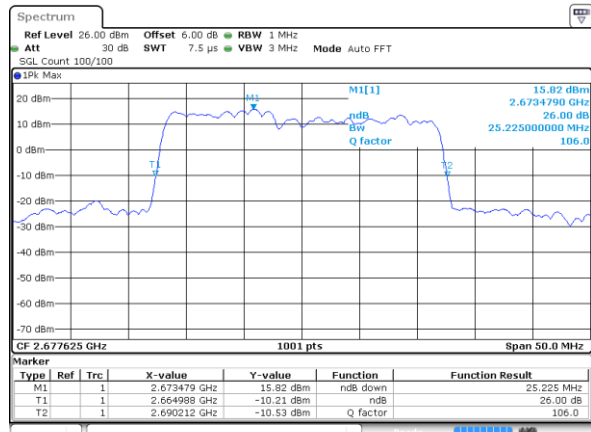
Date: 21 JAN 2020 15:10:33

## Highest Channel / 5MHz+20MHz



Date: 21 JAN 2020 14:01:36

## Highest Channel / 10MHz+15MHz



Date: 21 JAN 2020 15:37:06

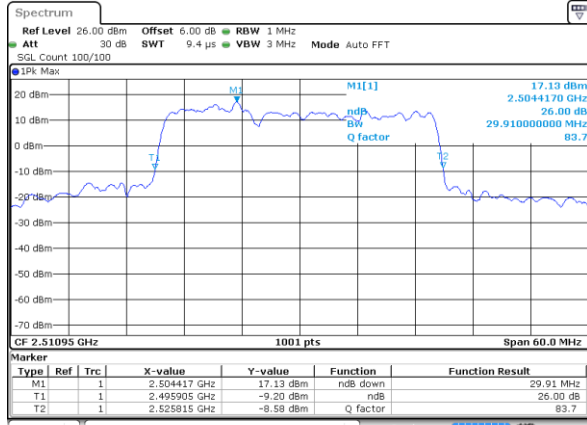




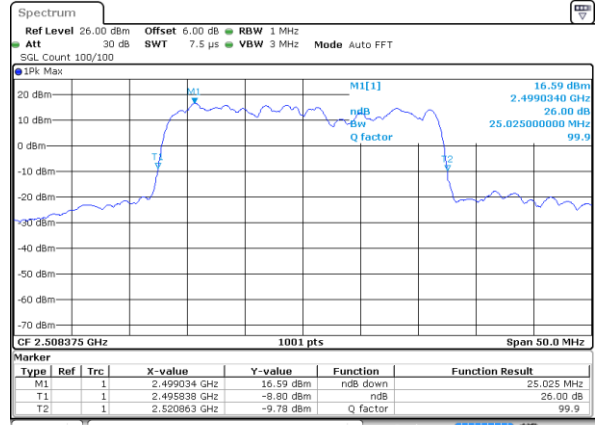
## LTE Band 41 CA

## 16QAM

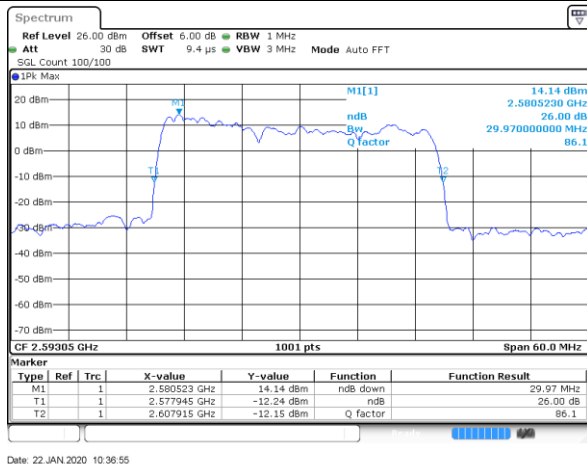
## Lowest Channel / 10MHz+20MHz



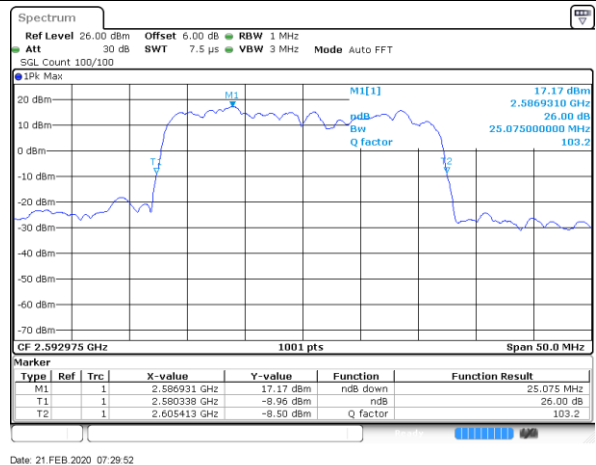
## Lowest Channel / 15MHz+10MHz



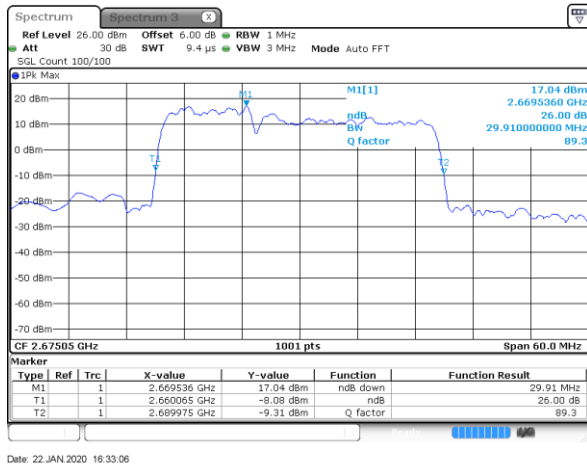
## Middle Channel / 10MHz+20MHz



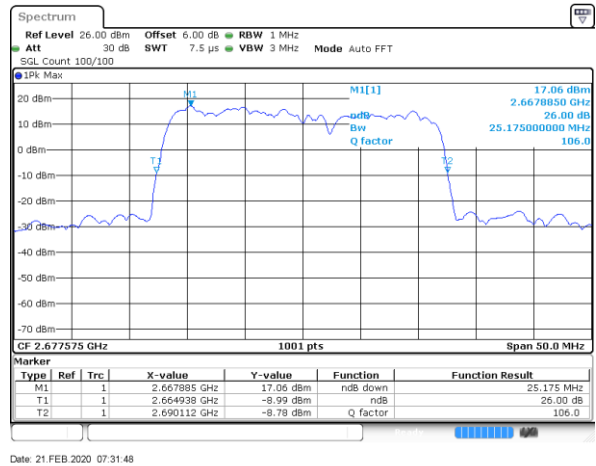
## Middle Channel / 15MHz+10MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+10MHz

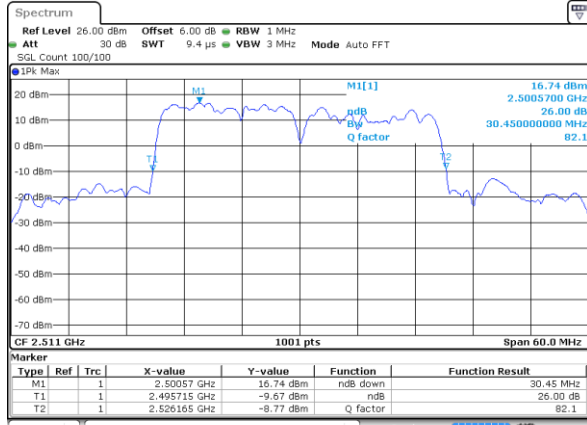




## LTE Band 41 CA

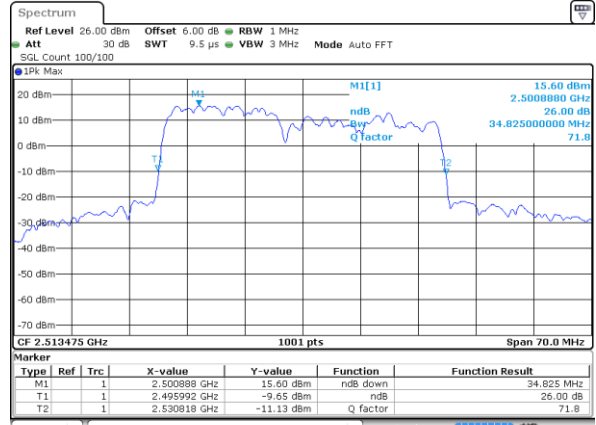
## 16QAM

## Lowest Channel / 15MHz+15MHz



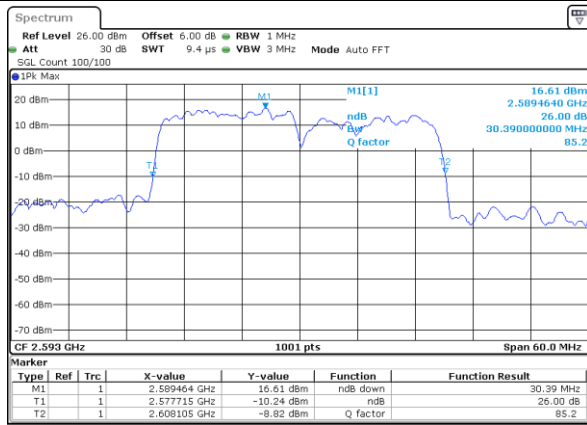
Date: 21 FEB 2020 07:49:32

## Lowest Channel / 15MHz+20MHz



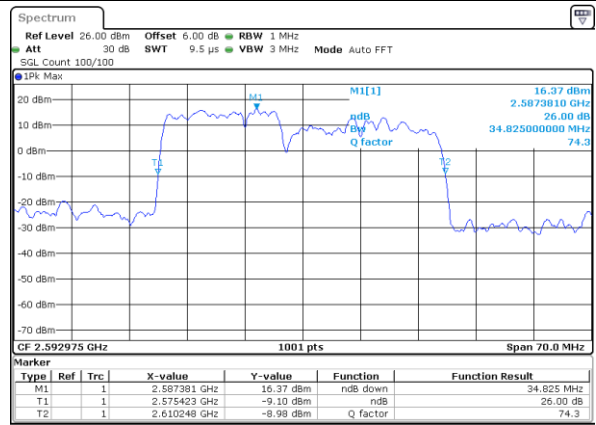
Date: 21 FEB 2020 07:51:45

## Middle Channel / 15MHz+15MHz



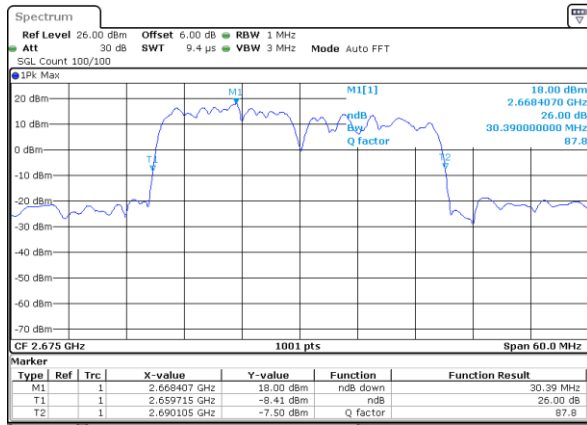
Date: 21 FEB 2020 07:41:48

## Middle Channel / 15MHz+20MHz



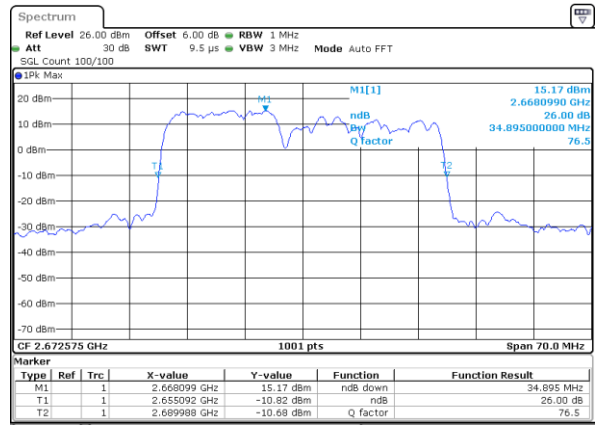
Date: 21 FEB 2020 07:59:48

## Highest Channel / 15MHz+15MHz



Date: 21 FEB 2020 07:39:57

## Highest Channel / 15MHz+20MHz



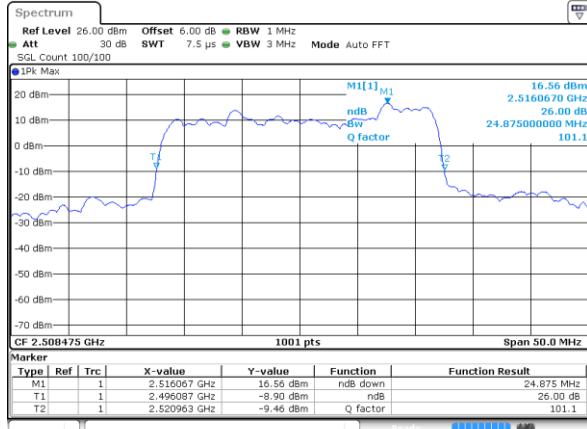
Date: 21 FEB 2020 08:01:36



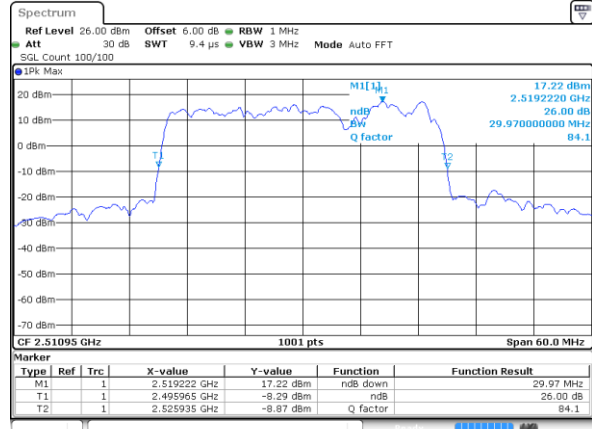
## LTE Band 41 CA

## 16QAM

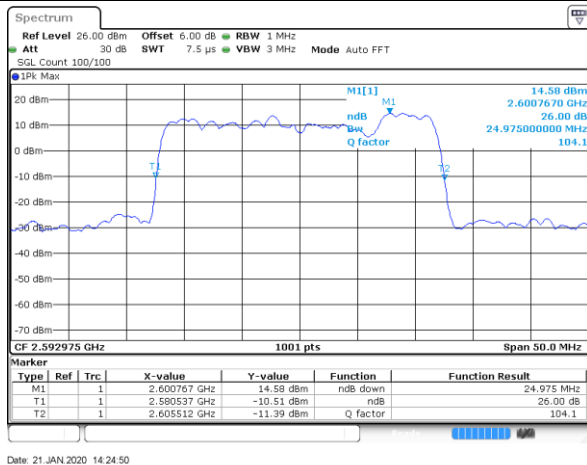
## Lowest Channel / 20MHz+5MHz



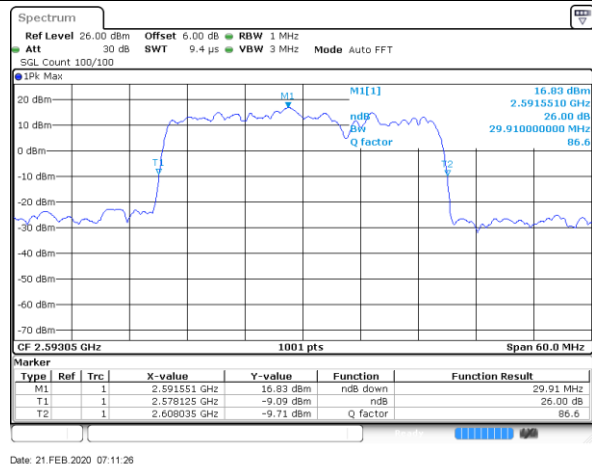
## Lowest Channel / 20MHz+10MHz



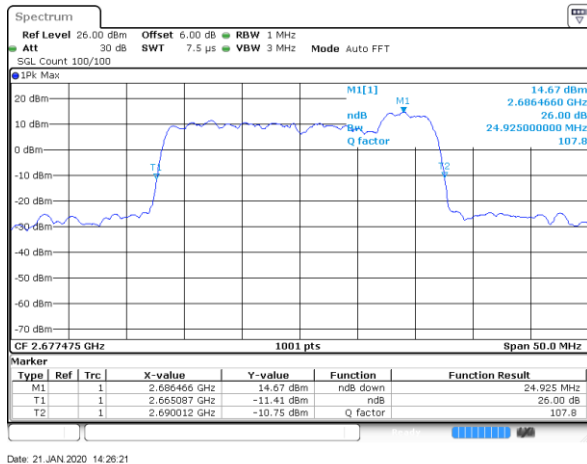
## Middle Channel / 20MHz+5MHz



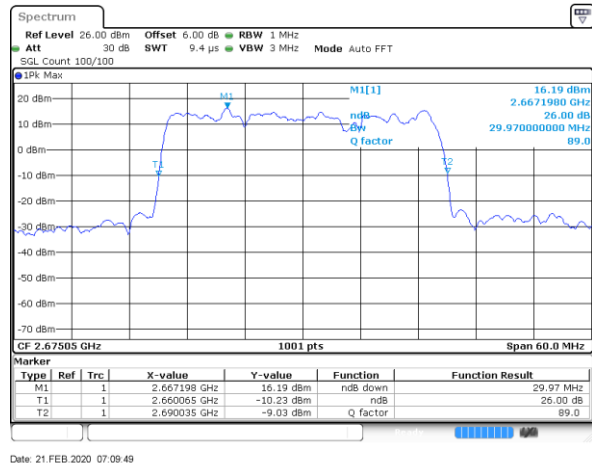
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz

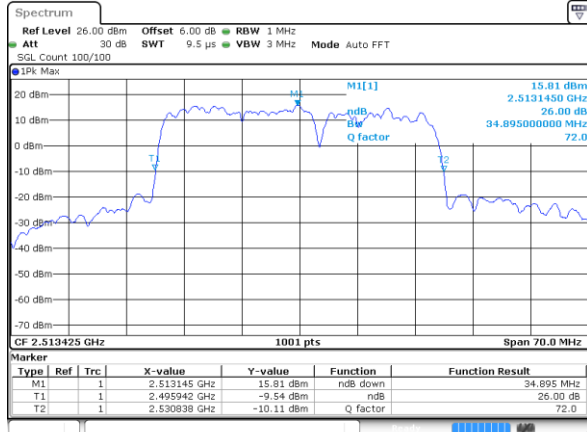




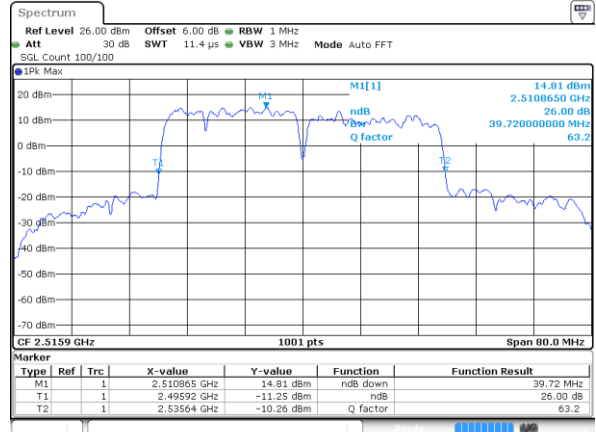
## LTE Band 41 CA

## 16QAM

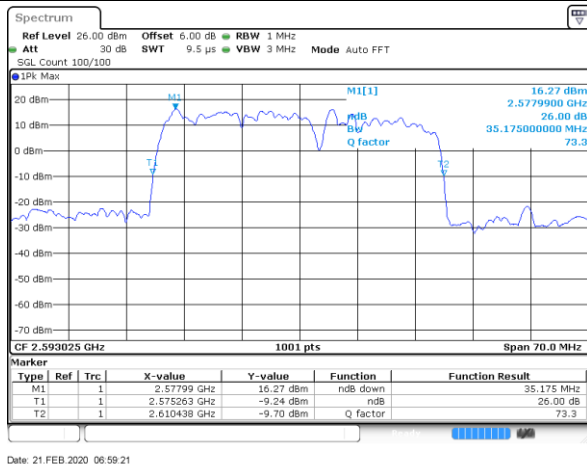
## Lowest Channel / 20MHz+15MHz



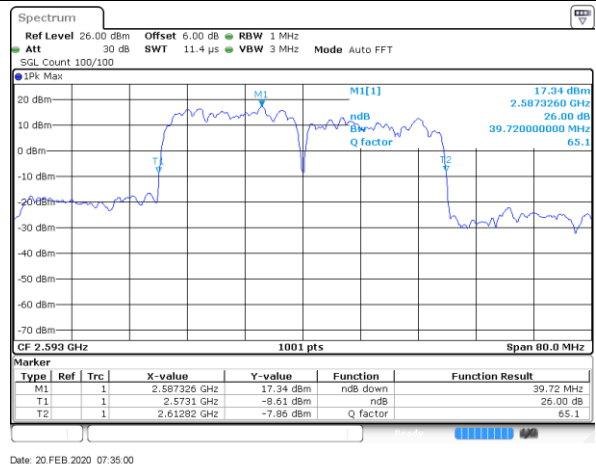
## Lowest Channel / 20MHz+20MHz



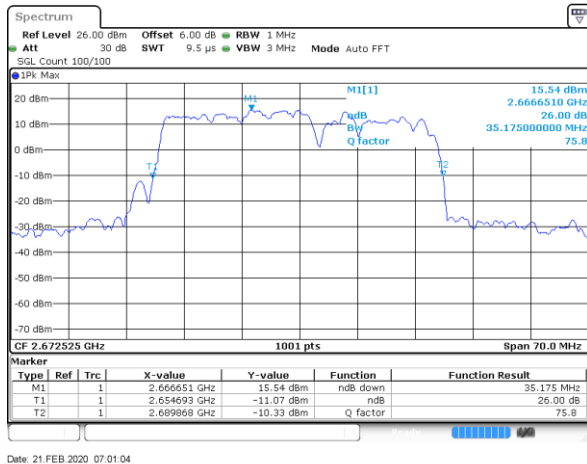
## Middle Channel / 20MHz+15MHz



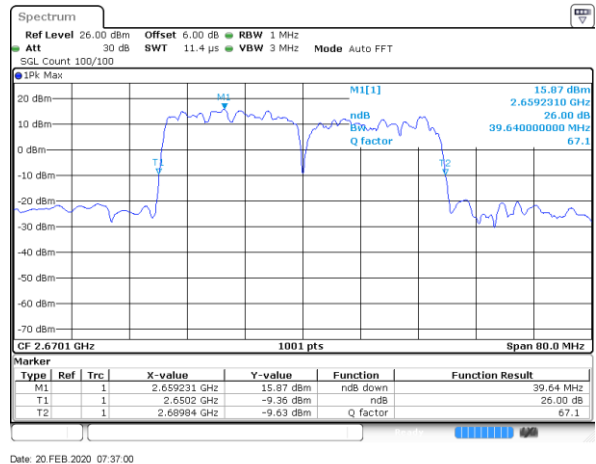
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz

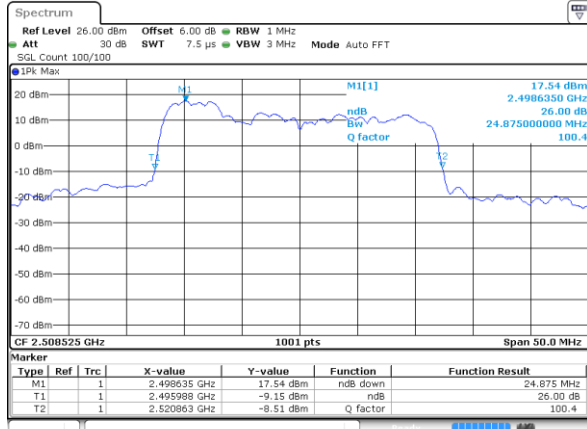




## LTE Band 41 CA

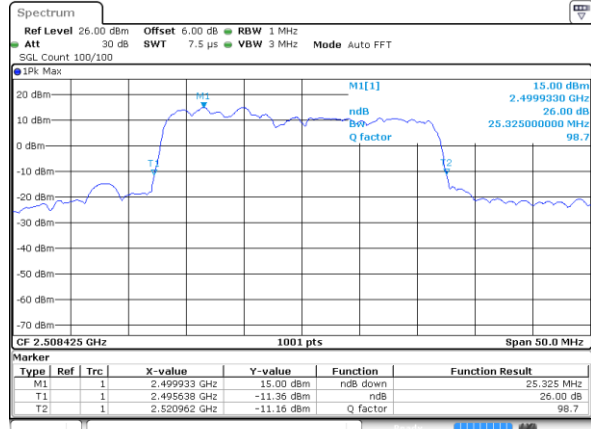
## 64QAM

## Lowest Channel / 5MHz+20MHz



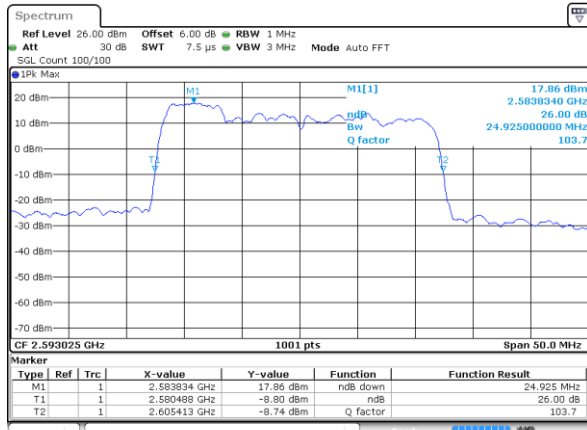
Date: 21 JAN 2020 11:08:14

## Lowest Channel / 10MHz+15MHz



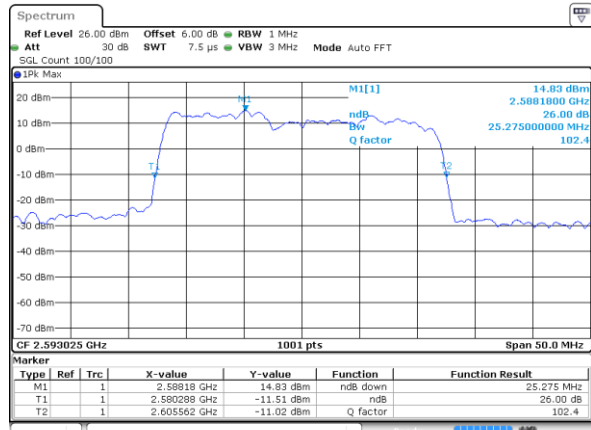
Date: 21 JAN 2020 14:37:04

## Middle Channel / 5MHz+20MHz



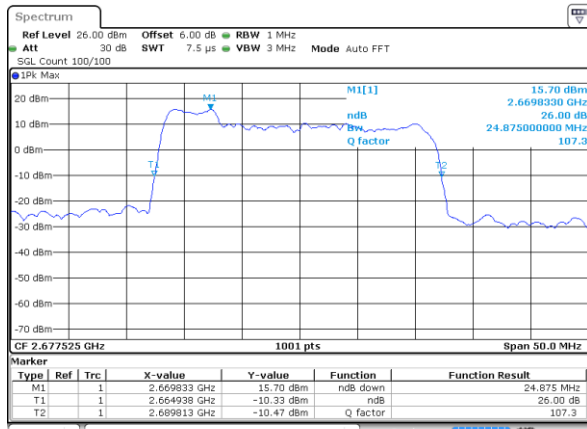
Date: 21 JAN 2020 10:26:20

## Middle Channel / 10MHz+15MHz



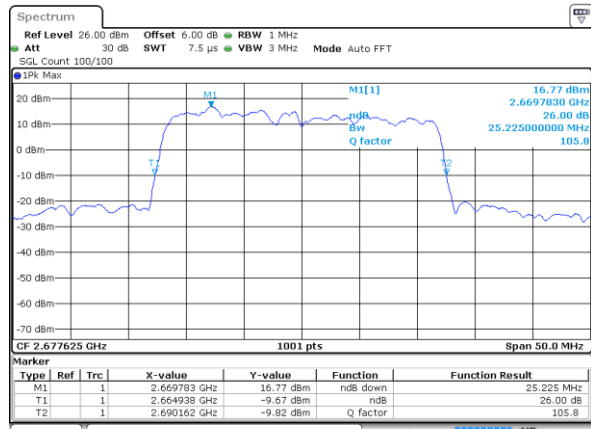
Date: 21 JAN 2020 15:06:54

## Highest Channel / 5MHz+20MHz



Date: 21 JAN 2020 14:01:58

## Highest Channel / 10MHz+15MHz



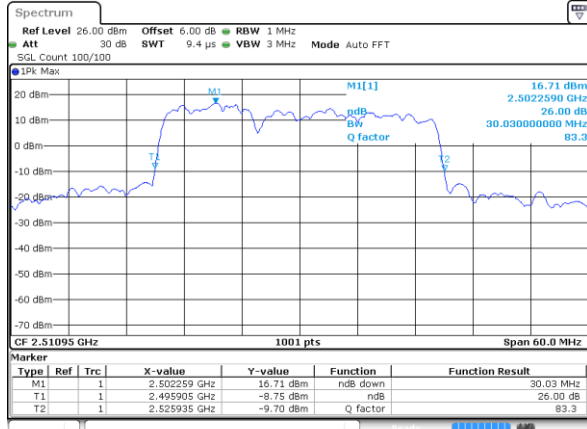
Date: 21 JAN 2020 15:37:29



## LTE Band 41 CA

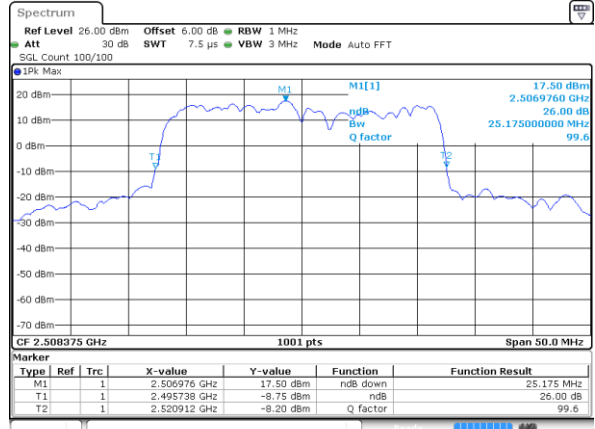
## 64QAM

## Lowest Channel / 10MHz+20MHz



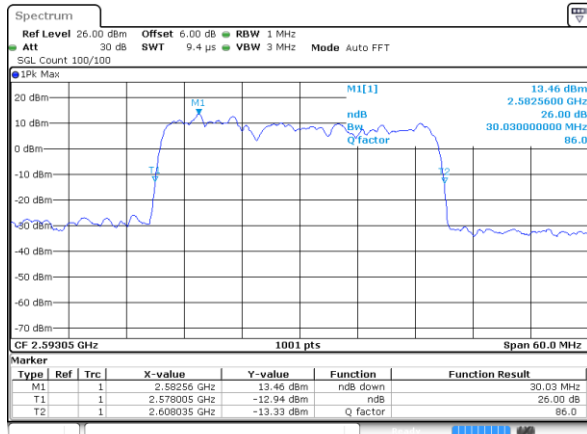
Date: 22 JAN 2020 09:32:02

## Lowest Channel / 15MHz+10MHz



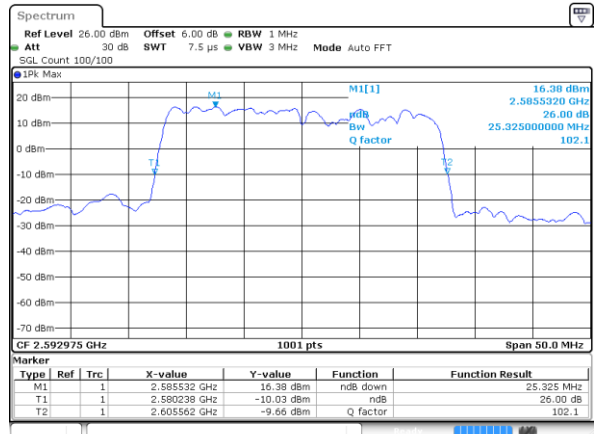
Date: 21 FEB 2020 07:22:03

## Middle Channel / 10MHz+20MHz



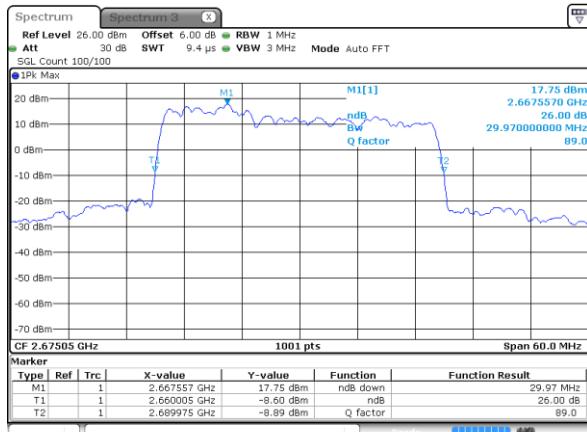
Date: 22 JAN 2020 10:37:20

## Middle Channel / 15MHz+10MHz



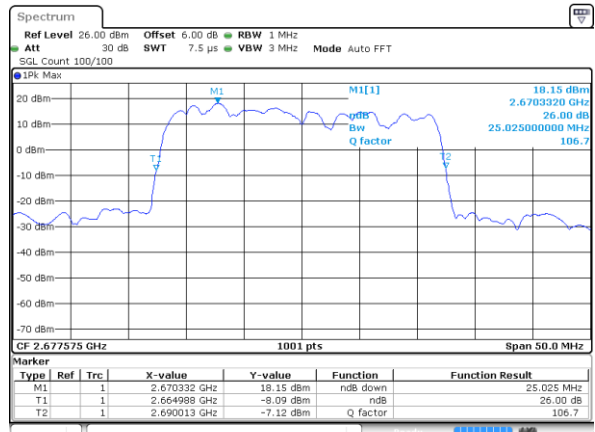
Date: 21 FEB 2020 07:30:23

## Highest Channel / 10MHz+20MHz



Date: 22 JAN 2020 16:33:25

## Highest Channel / 15MHz+10MHz



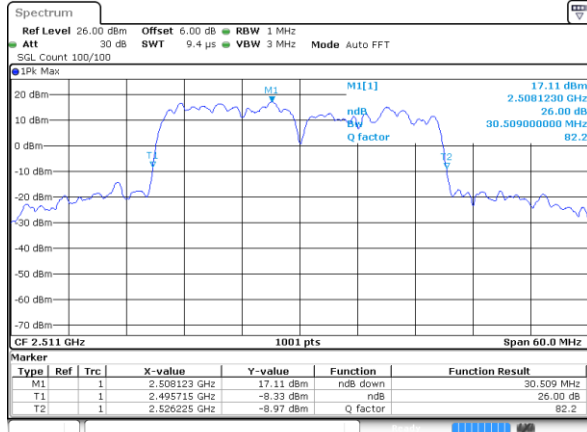
Date: 21 FEB 2020 07:31:24



## LTE Band 41 CA

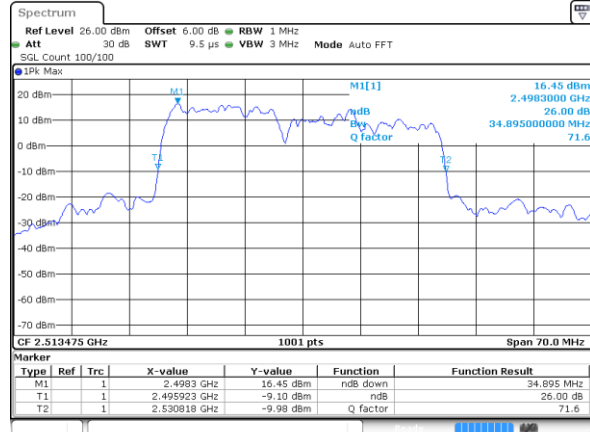
## 64QAM

## Lowest Channel / 15MHz+15MHz



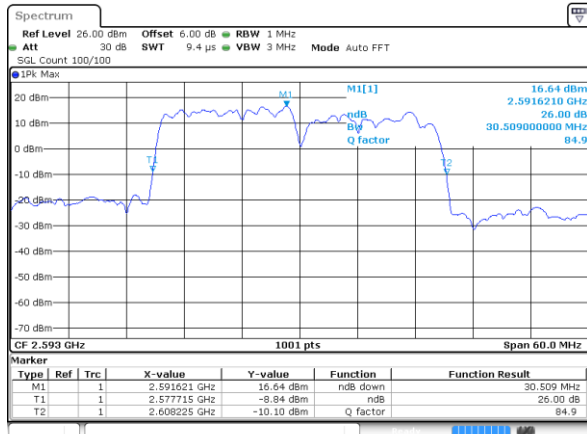
Date: 21 FEB 2020 07:50:05

## Lowest Channel / 15MHz+20MHz



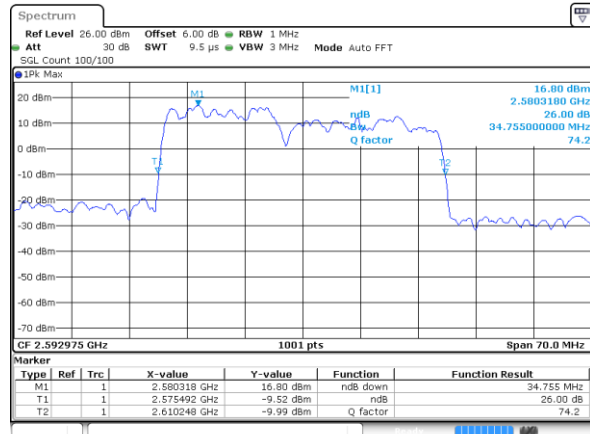
Date: 21 FEB 2020 07:51:17

## Middle Channel / 15MHz+15MHz



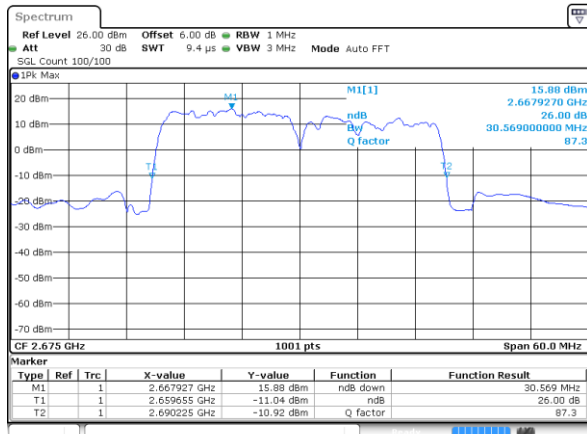
Date: 21 FEB 2020 07:41:22

## Middle Channel / 15MHz+20MHz



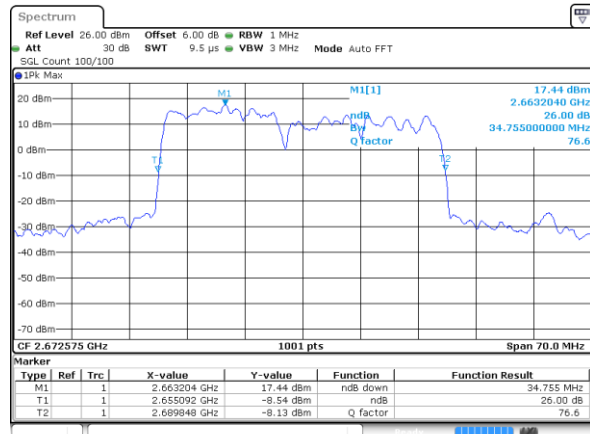
Date: 21 FEB 2020 08:00:22

## Highest Channel / 15MHz+15MHz



Date: 21 FEB 2020 07:40:31

## Highest Channel / 15MHz+20MHz



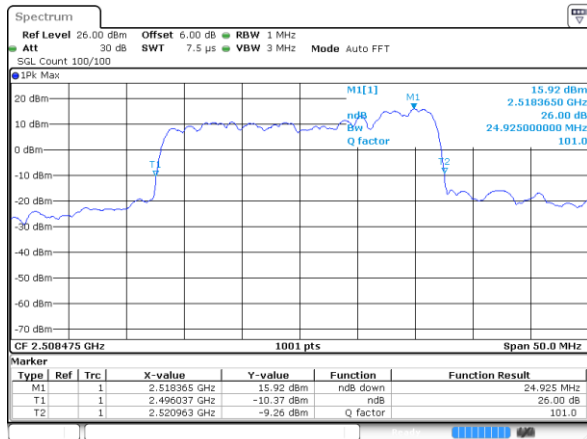
Date: 21 FEB 2020 08:01:12



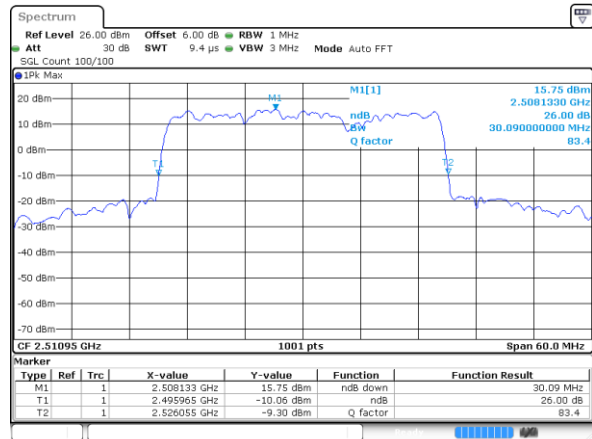
## LTE Band 41 CA

## 64QAM

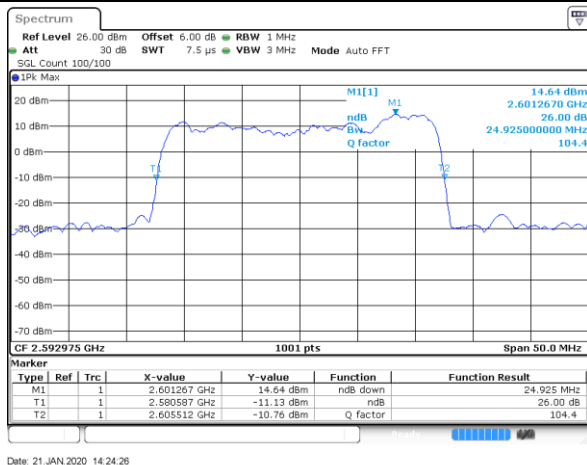
## Lowest Channel / 20MHz+5MHz



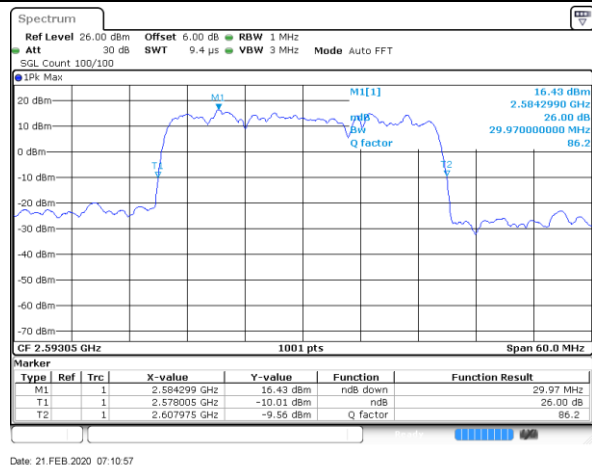
## Lowest Channel / 20MHz+10MHz



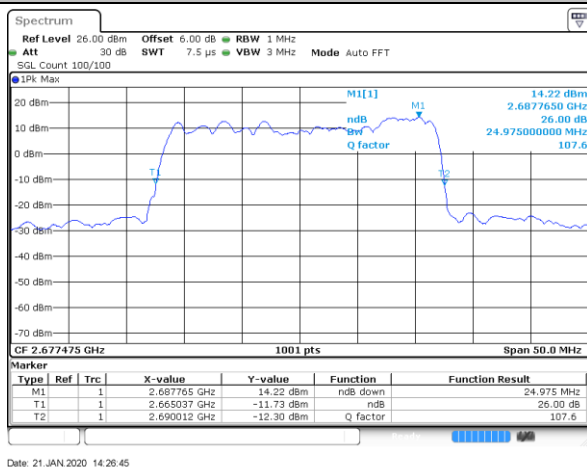
## Middle Channel / 20MHz+5MHz



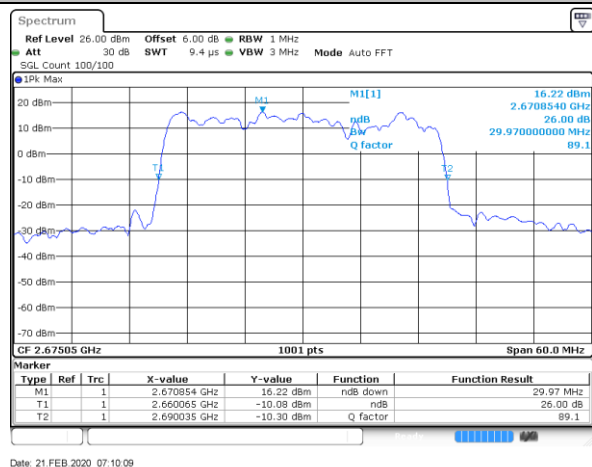
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz



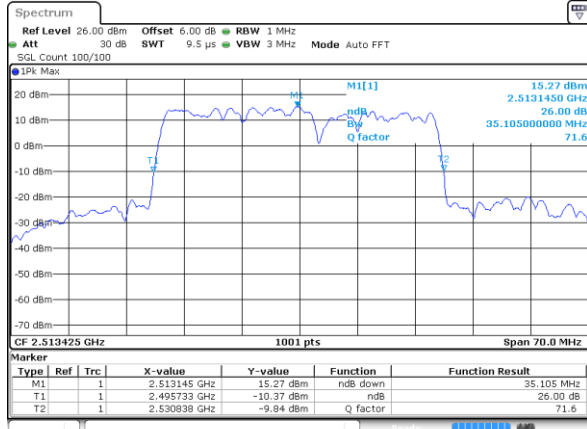




## LTE Band 41 CA

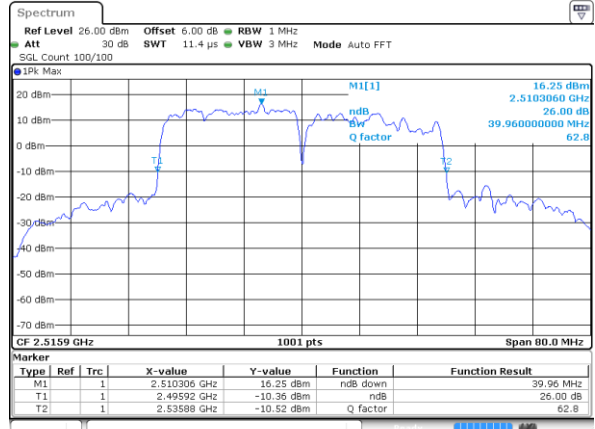
## 64QAM

## Lowest Channel / 20MHz+15MHz



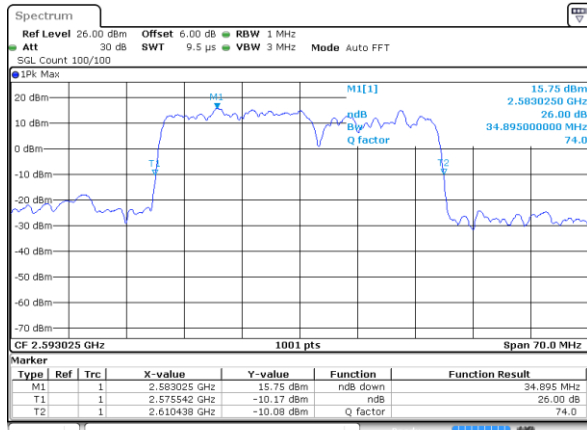
Date: 21 FEB 2020 06:52:38

## Lowest Channel / 20MHz+20MHz



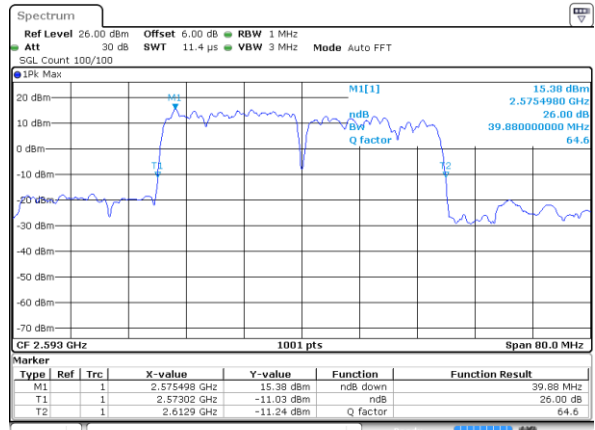
Date: 20 FEB 2020 07:25:05

## Middle Channel / 20MHz+15MHz



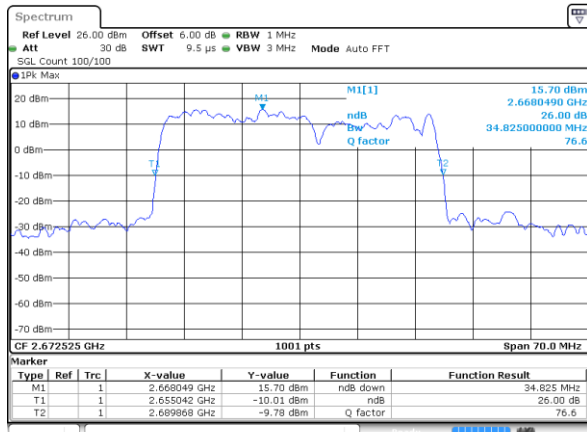
Date: 21 FEB 2020 06:54:58

## Middle Channel / 20MHz+20MHz



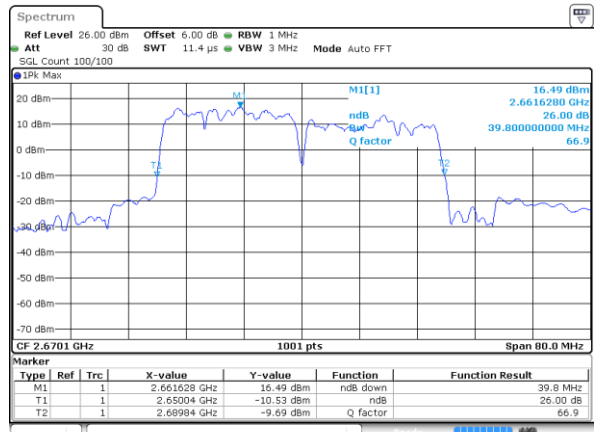
Date: 20 FEB 2020 07:35:36

## Highest Channel / 20MHz+15MHz



Date: 21 FEB 2020 07:00:40

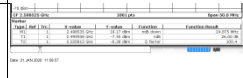
## Highest Channel / 20MHz+20MHz



Date: 20 FEB 2020 07:36:36

**Occupied Bandwidth**

| Mode       | LTE Band 41 CA : 99%OBW(MHz) |             |             |             |             |
|------------|------------------------------|-------------|-------------|-------------|-------------|
| QPSK       |                              |             |             |             |             |
| BW         | 5MHz+20MHz                   | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.43                        | 23.53       | 28.05       | 23.48       | 28.77       |
| Middle CH  | 23.13                        | 23.48       | 28.05       | 23.43       | 28.59       |
| Highest CH | 23.23                        | 23.38       | 27.81       | 23.43       | 28.59       |
| BW         | 15MHz+20MHz                  | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.59                        | 23.38       | 27.93       | 32.73       | 37.48       |
| Middle CH  | 32.59                        | 23.43       | 27.99       | 32.59       | 37.64       |
| Highest CH | 33.01                        | 23.43       | 28.11       | 32.94       |             |



| Mode       | LTE Band 41 CA : 99%OBW(MHz) |             |             |             |             |
|------------|------------------------------|-------------|-------------|-------------|-------------|
| 16QAM      |                              |             |             |             |             |
| BW         | 5MHz+20MHz                   | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.48                        | 23.43       | 27.99       | 23.28       | 28.41       |
| Middle CH  | 23.33                        | 23.48       | 27.81       | 23.23       | 28.77       |
| Highest CH | 23.18                        | 23.38       | 28.05       | 23.43       | 28.47       |
| BW         | 15MHz+20MHz                  | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.59                        | 23.23       | 28.17       | 32.80       | 37.72       |
| Middle CH  | 32.80                        | 23.48       | 28.17       | 32.73       | 37.80       |
| Highest CH | 32.66                        | 23.53       | 27.81       | 32.80       | 37.56       |

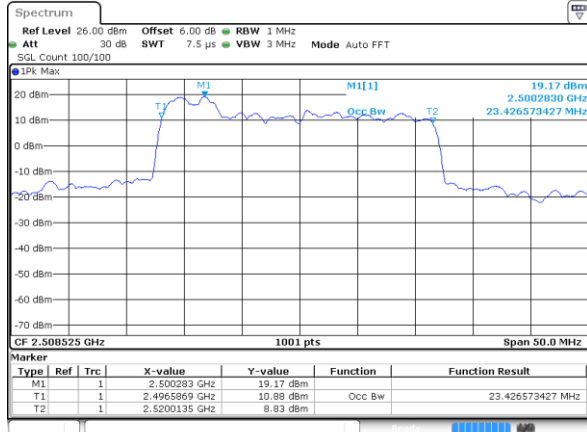
| Mode       | LTE Band 41 CA : 99%OBW(MHz) |             |             |             |             |
|------------|------------------------------|-------------|-------------|-------------|-------------|
| 64QAM      |                              |             |             |             |             |
| BW         | 5MHz+20MHz                   | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH  | 23.33                        | 23.33       | 27.87       | 23.38       | 28.35       |
| Middle CH  | 23.28                        | 23.48       | 28.05       | 23.43       | 28.47       |
| Highest CH | 23.18                        | 23.58       | 27.81       | 23.13       | 28.29       |
| BW         | 15MHz+20MHz                  | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH  | 32.31                        | 23.23       | 28.17       | 32.59       | 37.56       |
| Middle CH  | 32.80                        | 23.33       | 28.11       | 32.66       | 37.56       |
| Highest CH | 32.59                        | 23.18       | 27.81       | 32.66       | 37.56       |



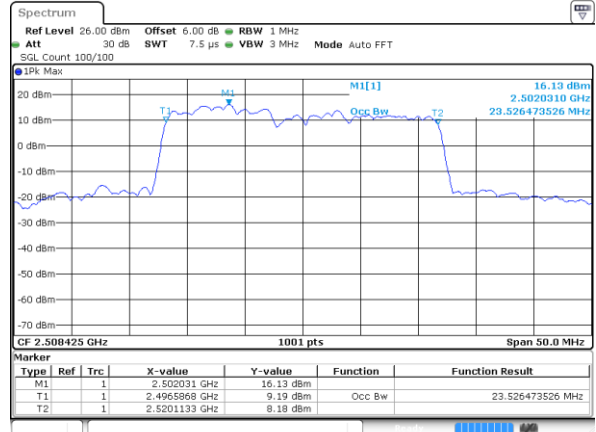
## LTE Band 41 CA

## QPSK

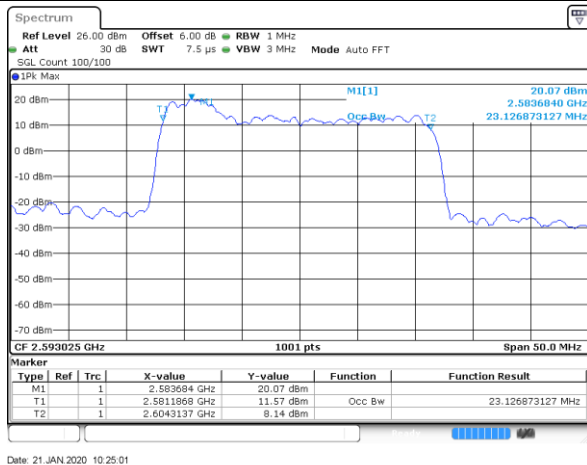
## Lowest Channel / 5MHz+20MHz



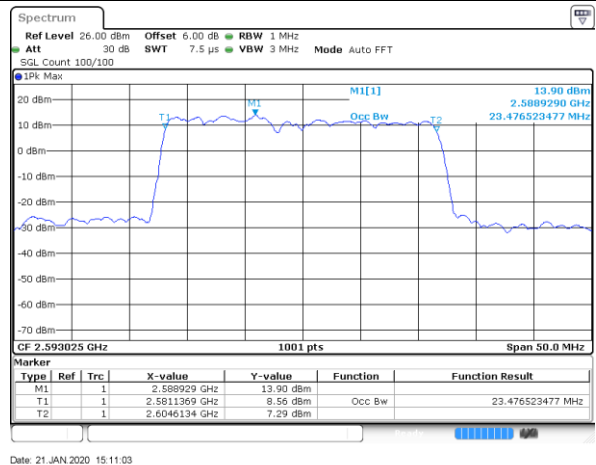
## Lowest Channel / 10MHz+15MHz



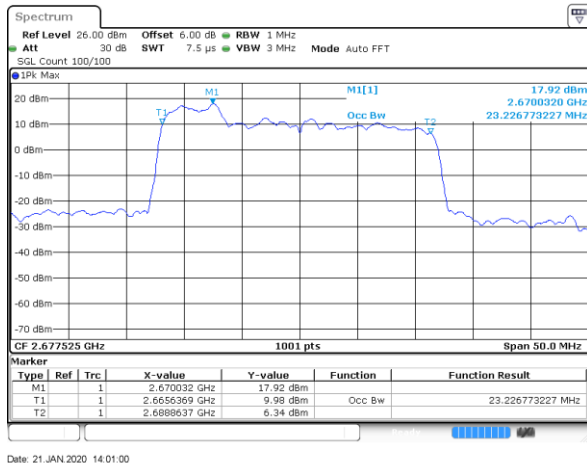
## Middle Channel / 5MHz+20MHz



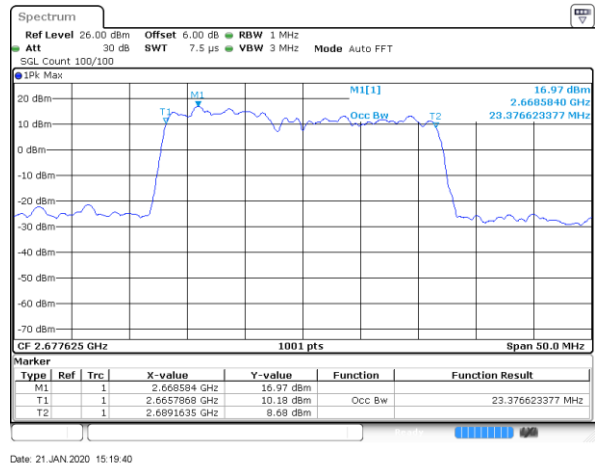
## Middle Channel / 10MHz+15MHz



## Highest Channel / 5MHz+20MHz



## Highest Channel / 10MHz+15MHz

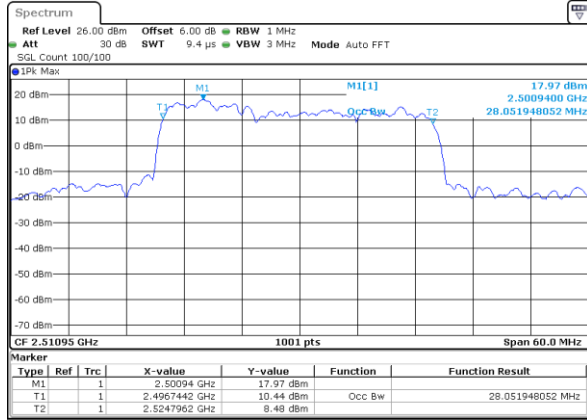




## LTE Band 41 CA

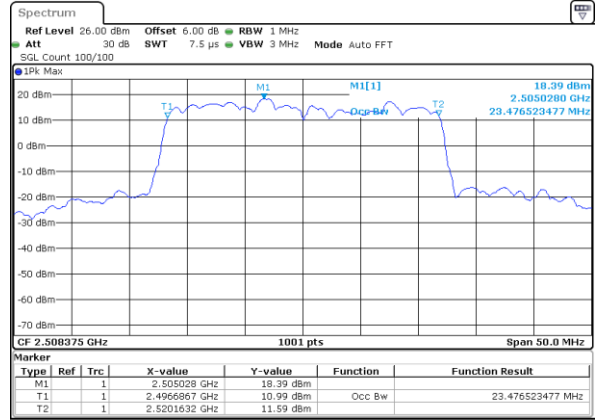
## QPSK

## Lowest Channel / 10MHz+20MHz



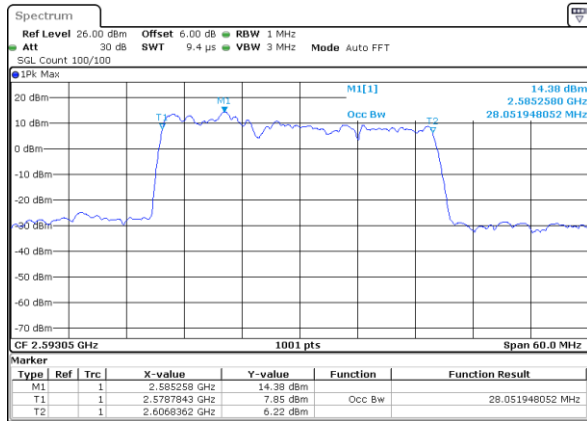
Date: 22 JAN 2020 09:41:08

## Lowest Channel / 15MHz+10MHz



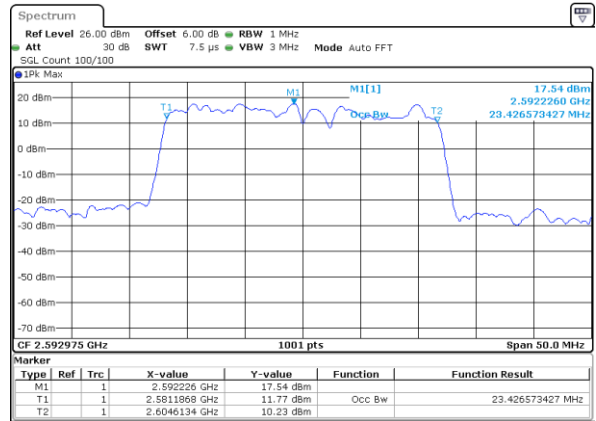
Date: 21 FEB 2020 07:23:00

## Middle Channel / 10MHz+20MHz



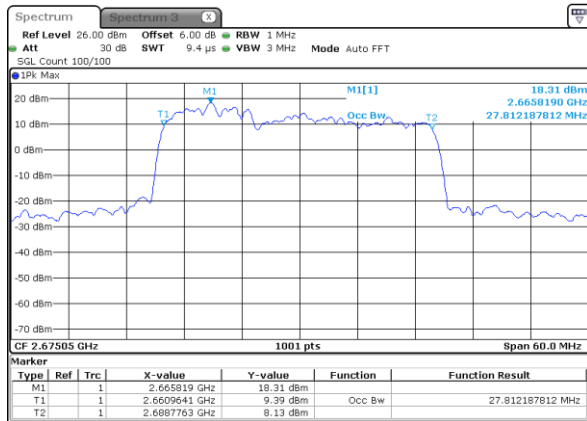
Date: 22 JAN 2020 10:36:26

## Middle Channel / 15MHz+10MHz



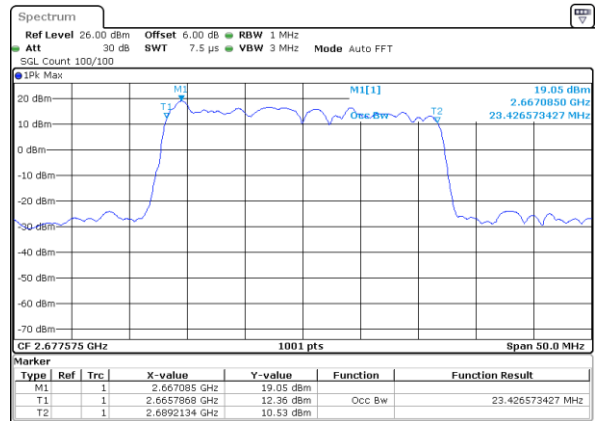
Date: 21 FEB 2020 07:29:24

## Highest Channel / 10MHz+20MHz



Date: 22 JAN 2020 16:32:45

## Highest Channel / 15MHz+10MHz



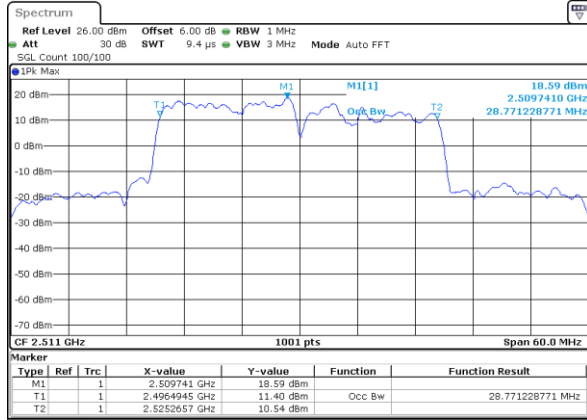
Date: 21 FEB 2020 07:32:04



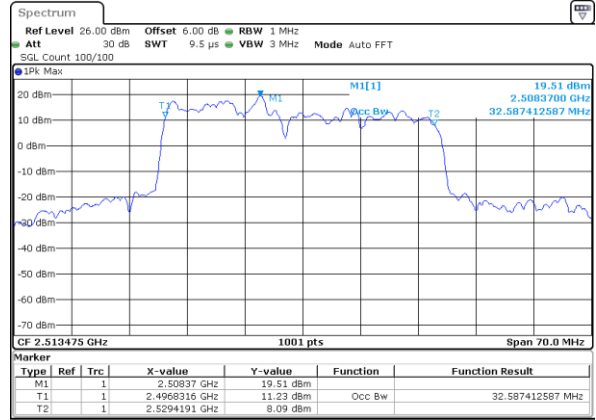
## LTE Band 41 CA

## QPSK

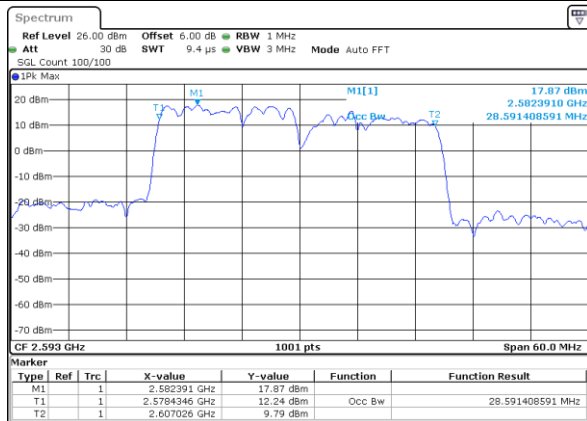
## Lowest Channel / 15MHz+15MHz



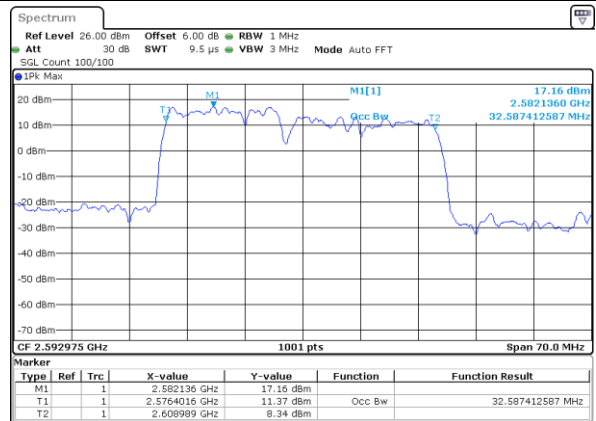
## Lowest Channel / 15MHz+20MHz



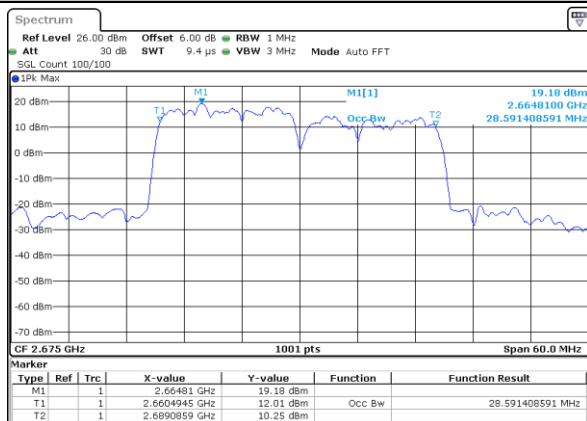
## Middle Channel / 15MHz+15MHz



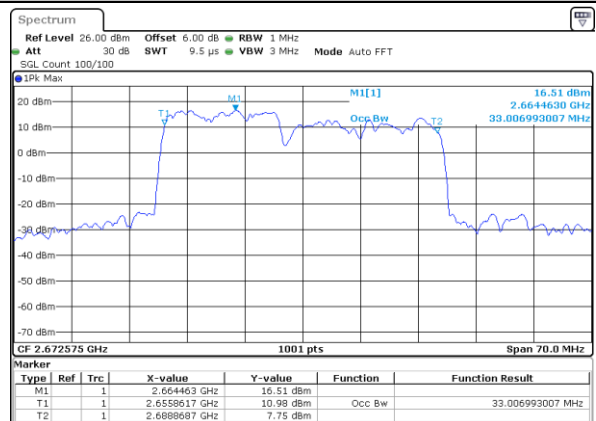
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

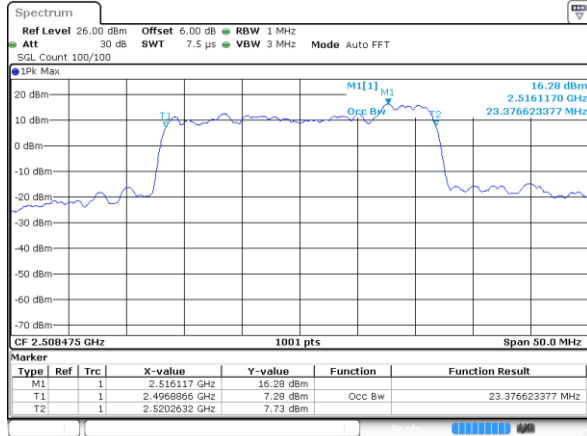




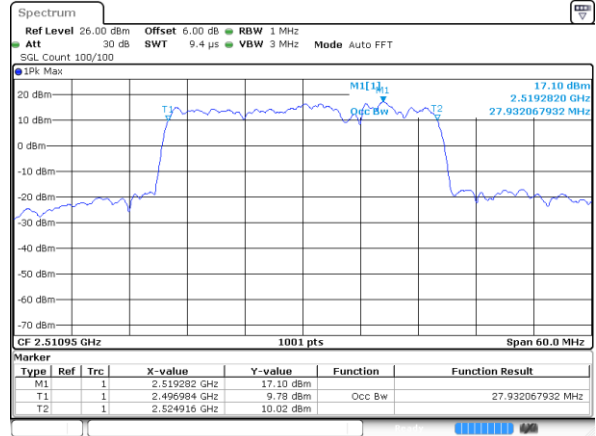
## LTE Band 41 CA

## QPSK

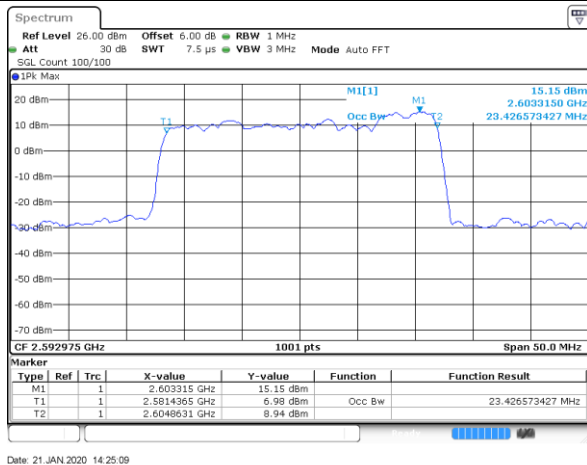
## Lowest Channel / 20MHz+5MHz



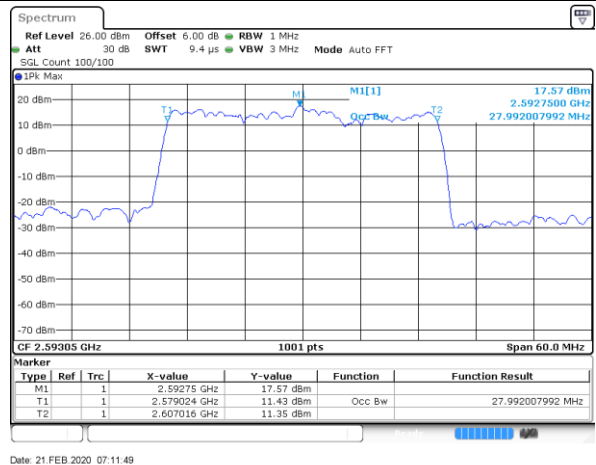
## Lowest Channel / 20MHz+10MHz



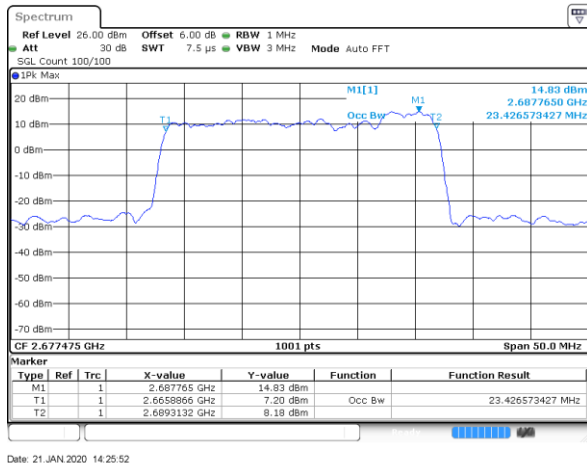
## Middle Channel / 20MHz+5MHz



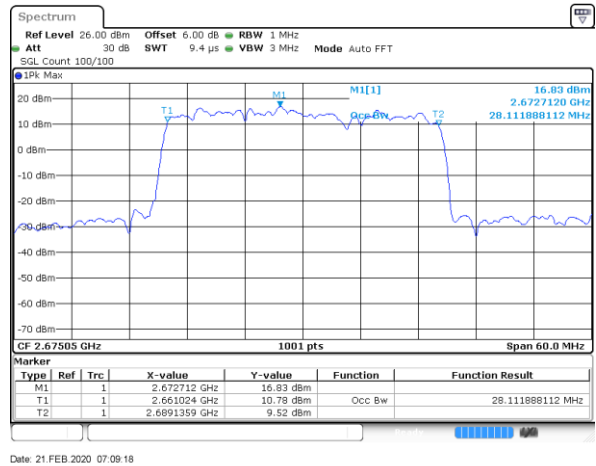
## Middle Channel / 20MHz+10MHz



## Highest Channel / 20MHz+5MHz



## Highest Channel / 20MHz+10MHz

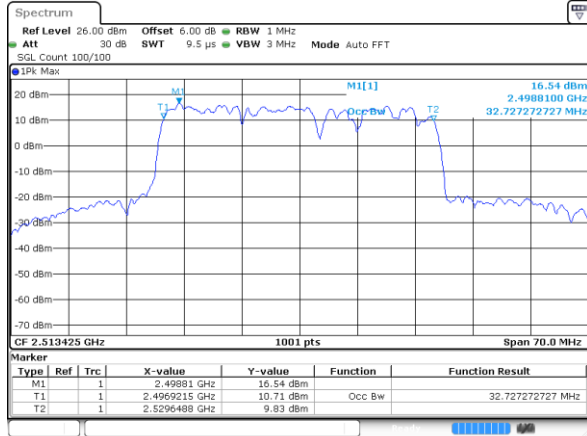




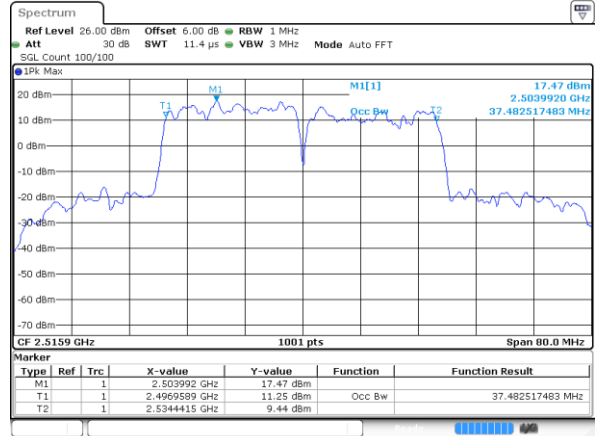
## LTE Band 41 CA

## QPSK

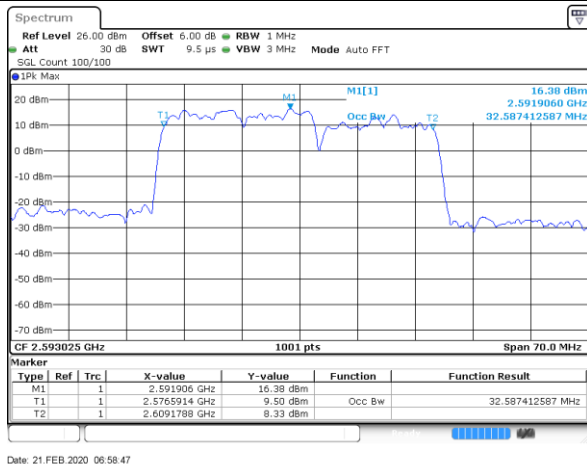
## Lowest Channel / 20MHz+15MHz



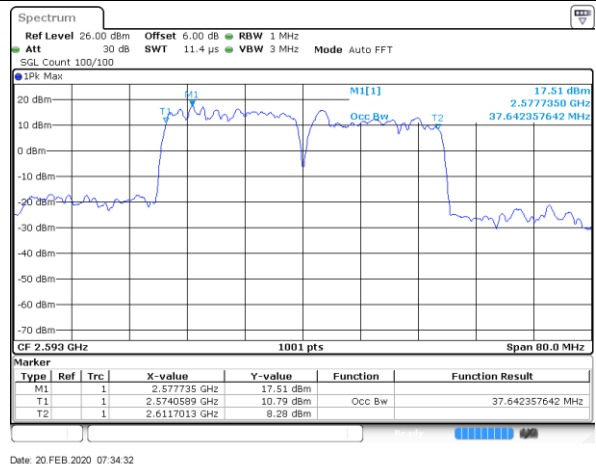
## Lowest Channel / 20MHz+20MHz



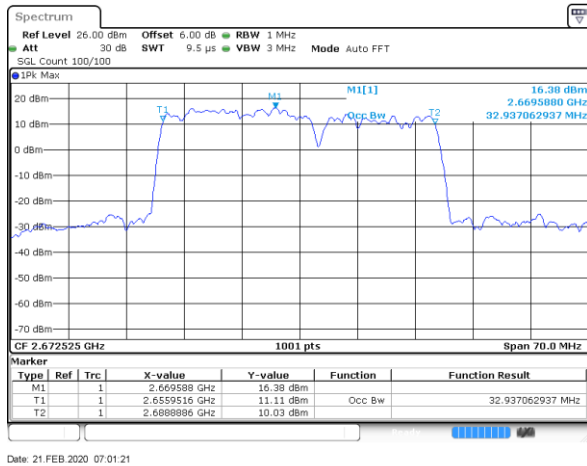
## Middle Channel / 20MHz+15MHz



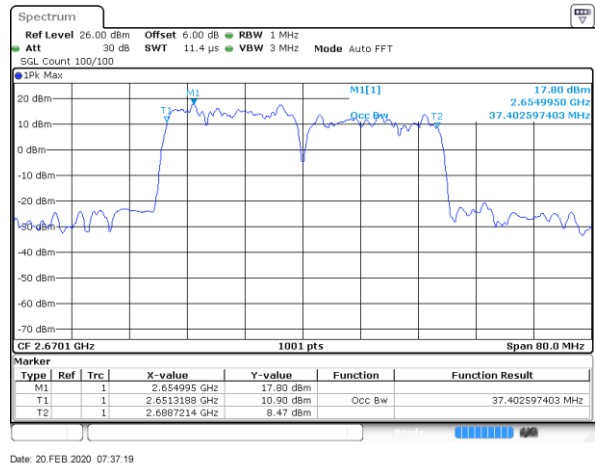
## Middle Channel / 20MHz+20MHz



## Highest Channel / 20MHz+15MHz



## Highest Channel / 20MHz+20MHz

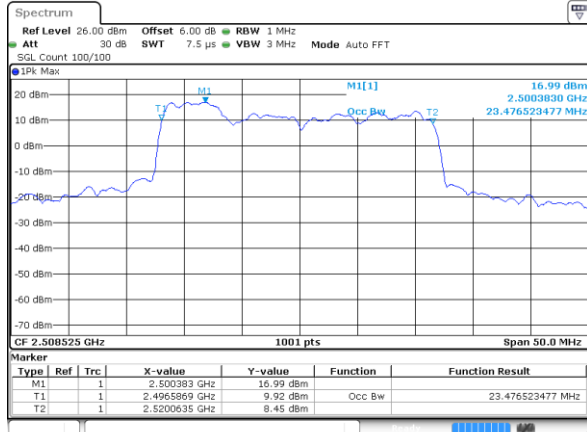




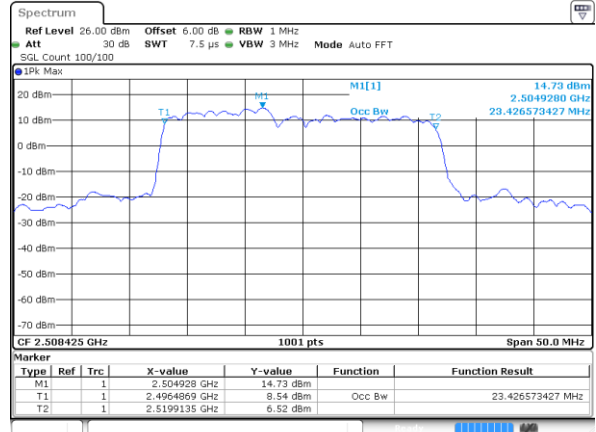
## LTE Band 41 CA

## 16QAM

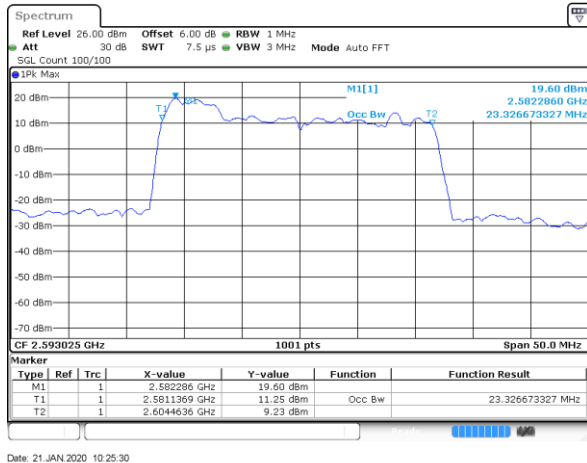
## Lowest Channel / 5MHz+20MHz



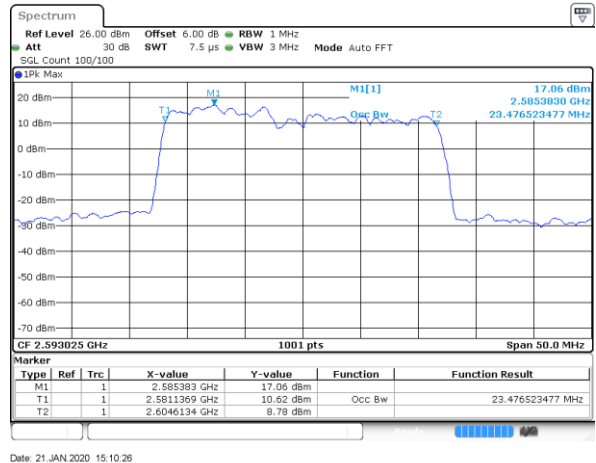
## Lowest Channel / 10MHz+15MHz



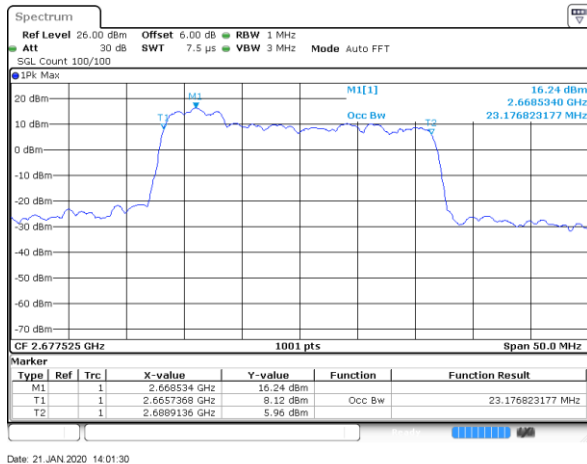
## Middle Channel / 5MHz+20MHz



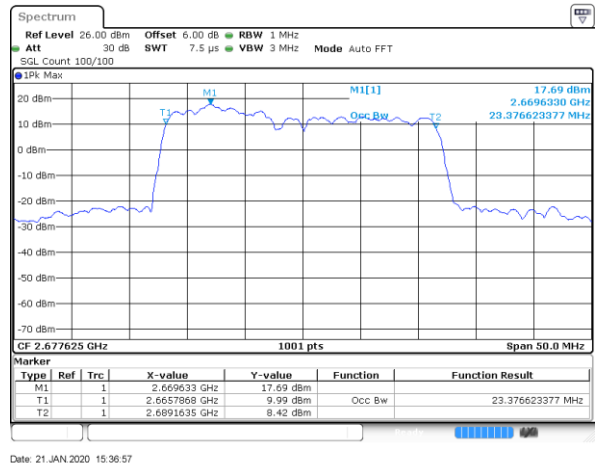
## Middle Channel / 10MHz+15MHz



## Highest Channel / 5MHz+20MHz



## Highest Channel / 10MHz+15MHz



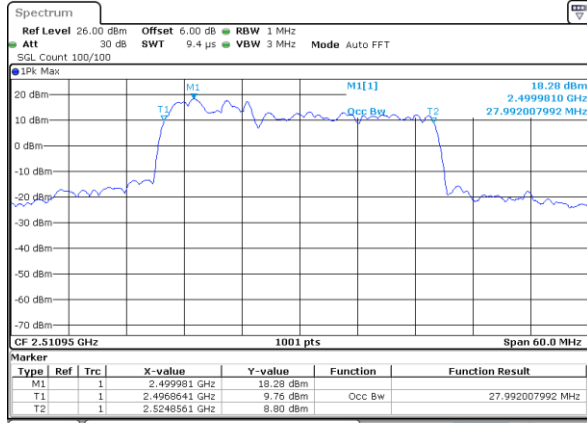




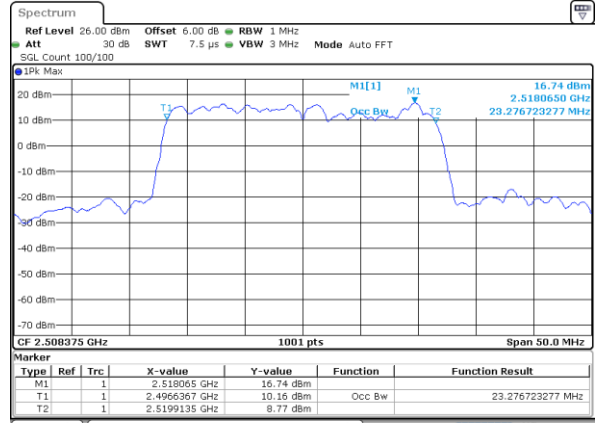
## LTE Band 41 CA

## 16QAM

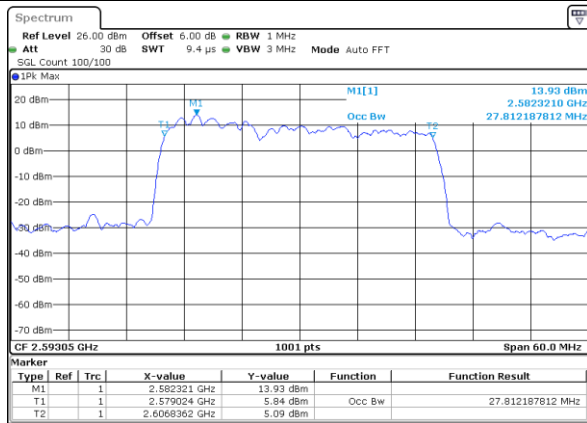
## Lowest Channel / 10MHz+20MHz



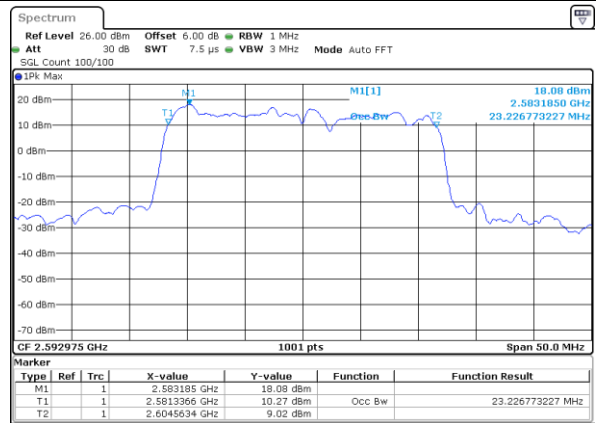
## Lowest Channel / 15MHz+10MHz



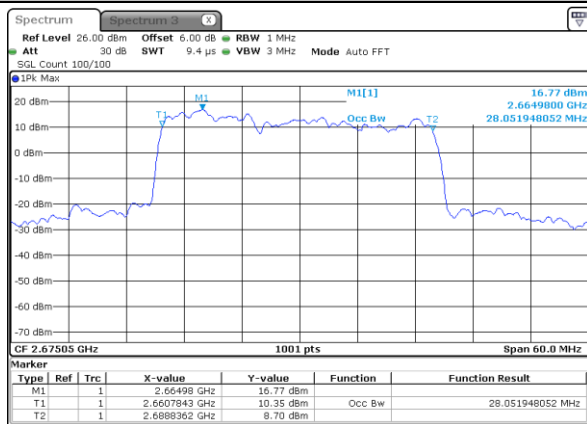
## Middle Channel / 10MHz+20MHz



## Middle Channel / 15MHz+10MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+10MHz

