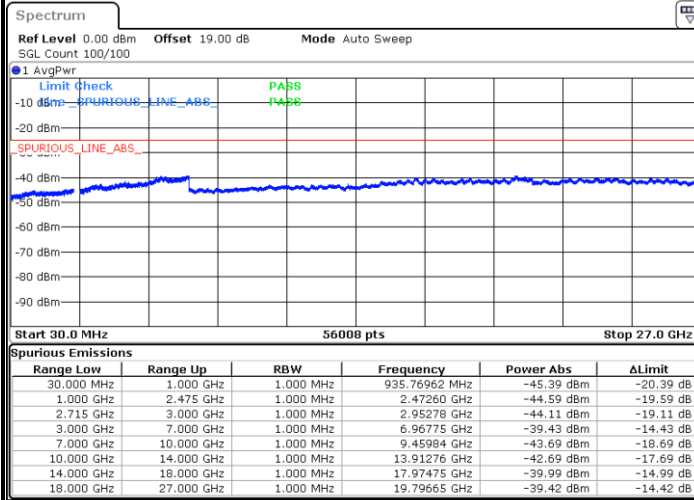




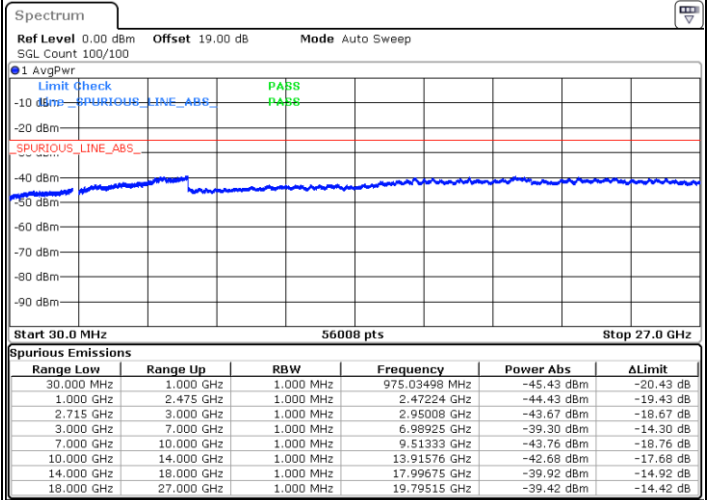
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



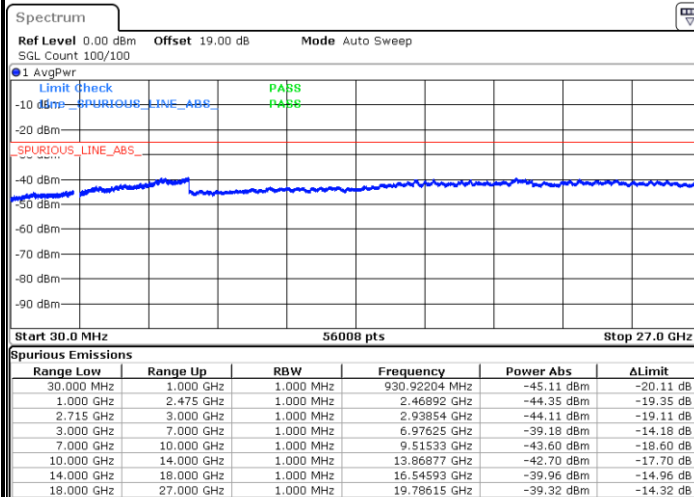
Date: 1.NOV.2021 11:45:19

## Lowest Channel / 16QAM



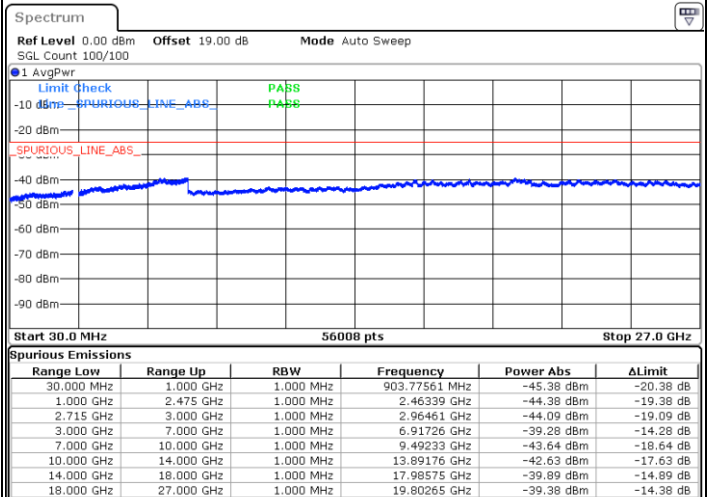
Date: 1.NOV.2021 11:46:38

## Middle Channel / QPSK



Date: 1.NOV.2021 11:47:56

## Middle Channel / 16QAM

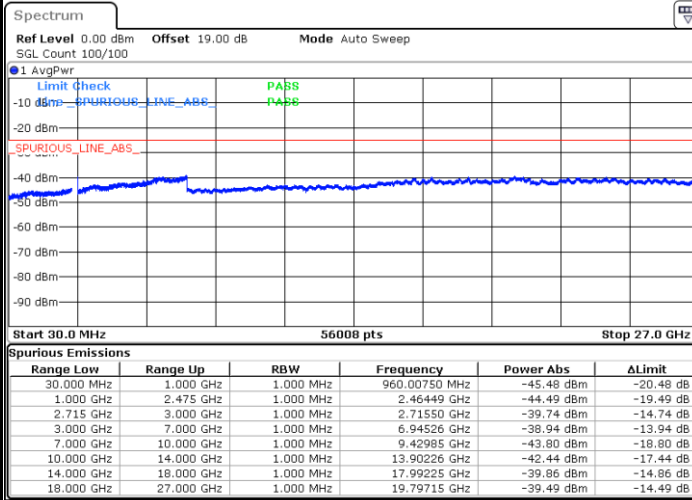


Date: 1.NOV.2021 11:49:14



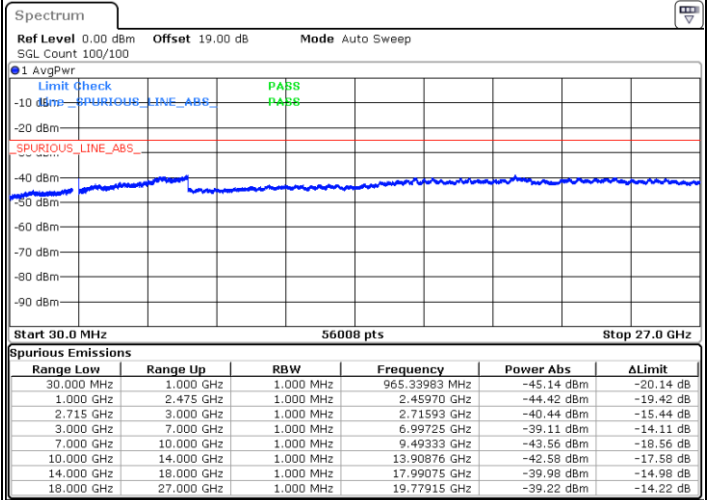
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 1.NOV.2021 11:50:32

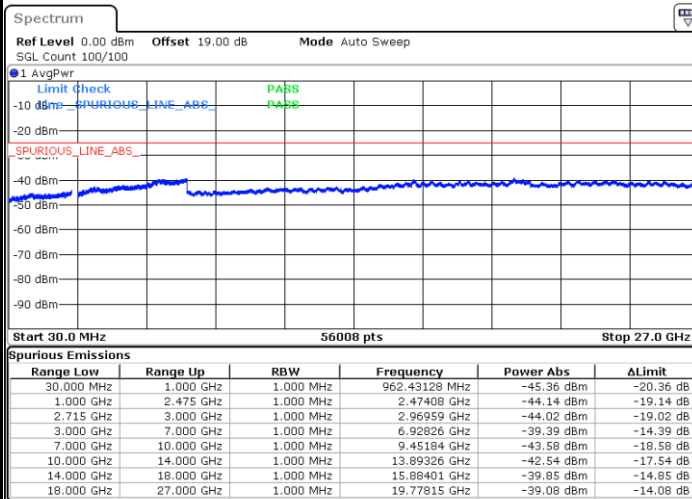
## Highest Channel / 16QAM



Date: 1.NOV.2021 11:51:51

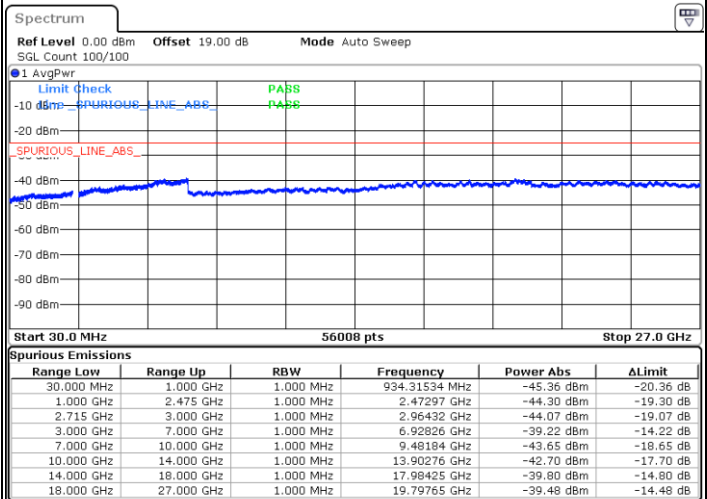
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 1.NOV.2021 11:53:10

## Lowest Channel / 16QAM

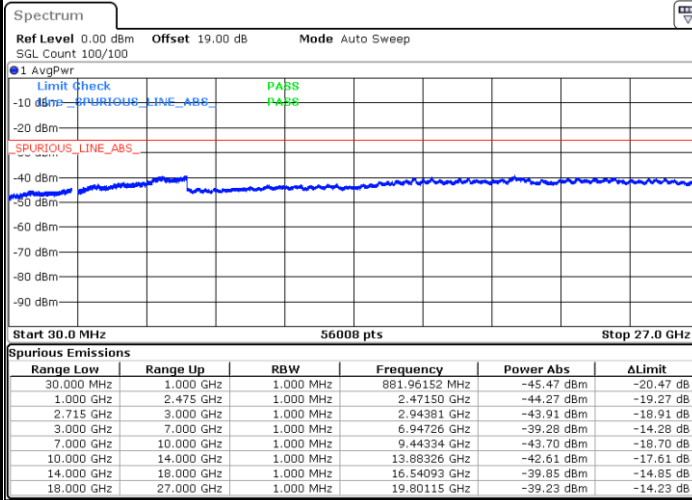


Date: 1.NOV.2021 11:54:28



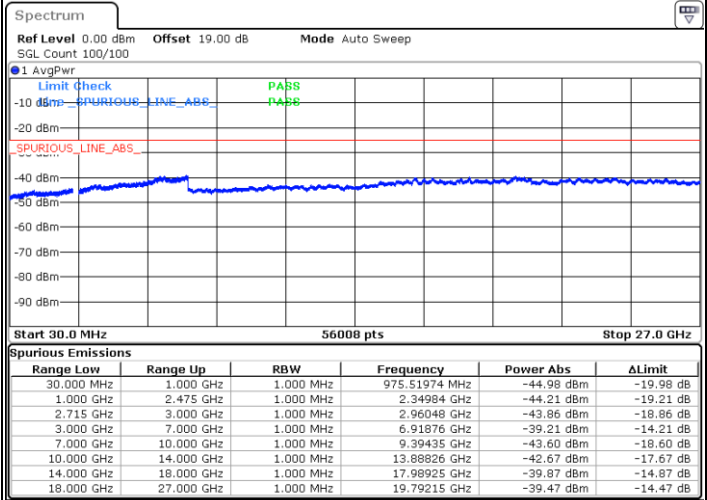
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



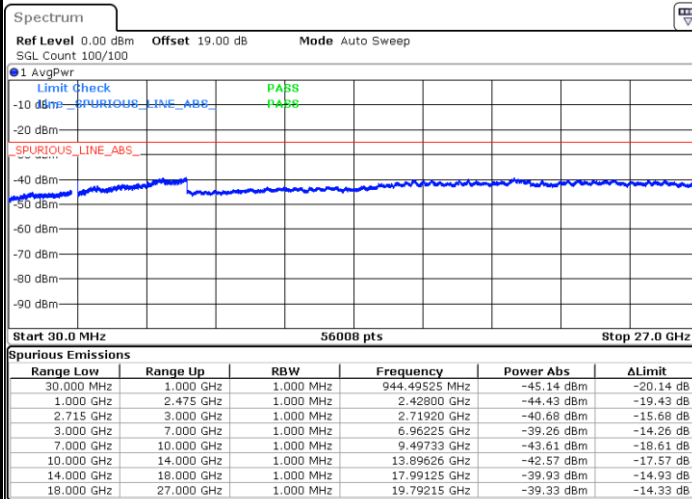
Date: 1.NOV.2021 11:55:46

## Middle Channel / 16QAM



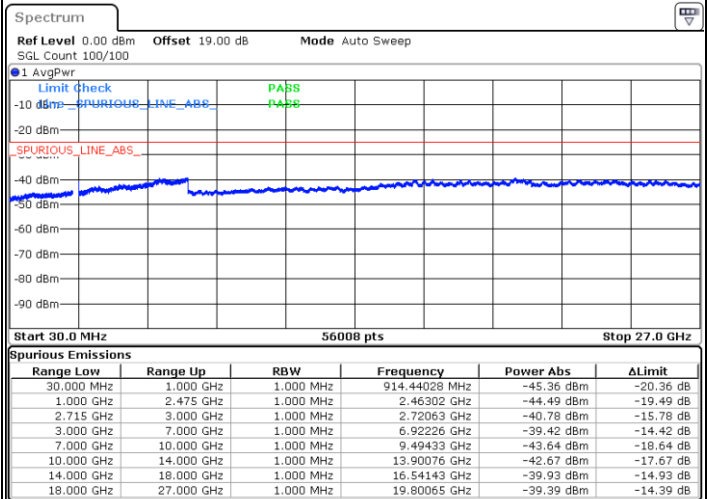
Date: 1.NOV.2021 11:57:04

## Highest Channel / QPSK



Date: 1.NOV.2021 11:58:22

## Highest Channel / 16QAM

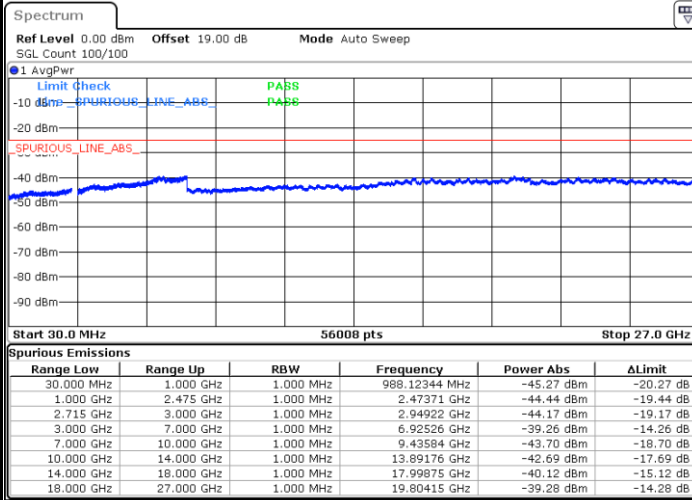


Date: 1.NOV.2021 11:59:41



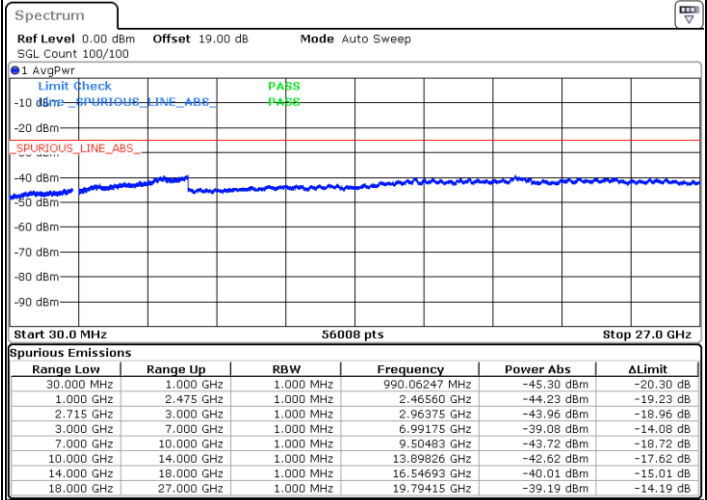
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



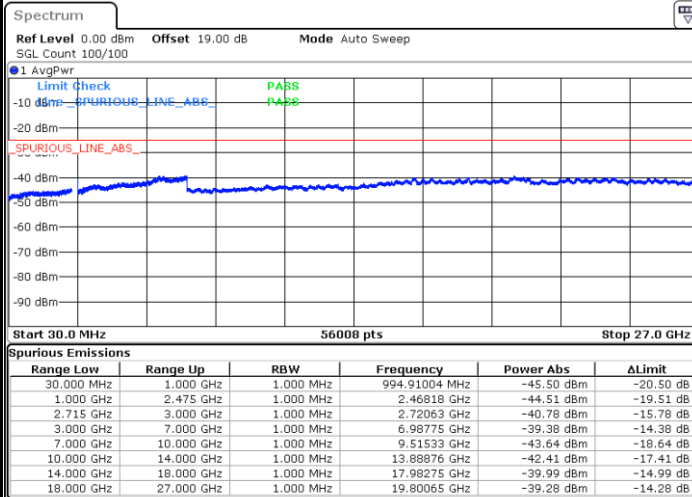
Date: 1.NOV.2021 12:01:00

## Middle Channel / 64QAM



Date: 1.NOV.2021 12:02:19

## Highest Channel / 64QAM

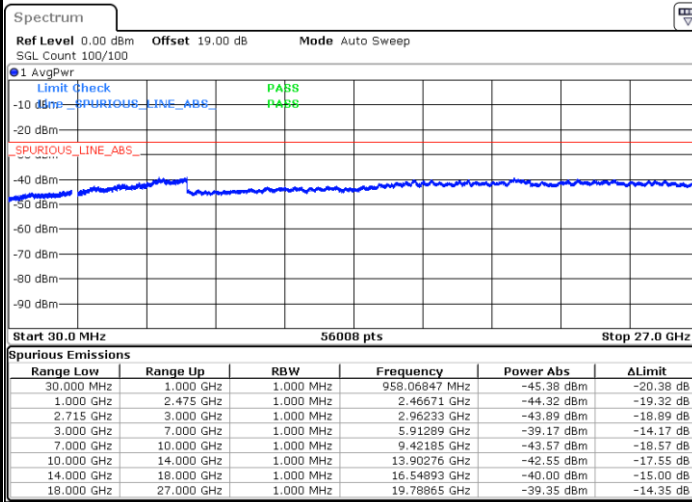


Date: 1.NOV.2021 12:03:37



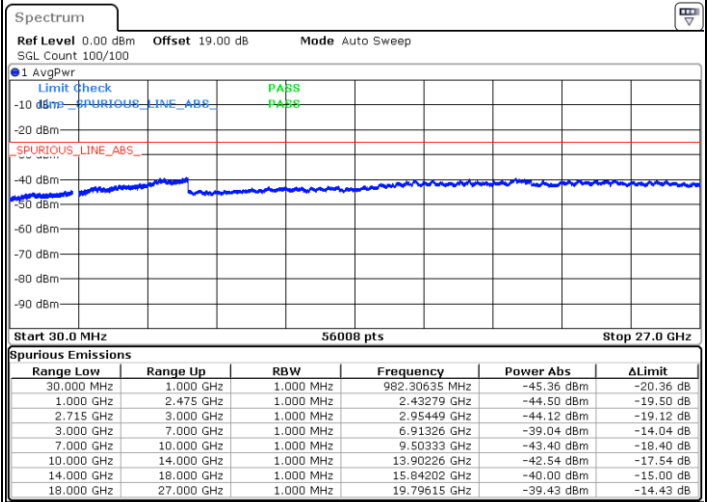
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



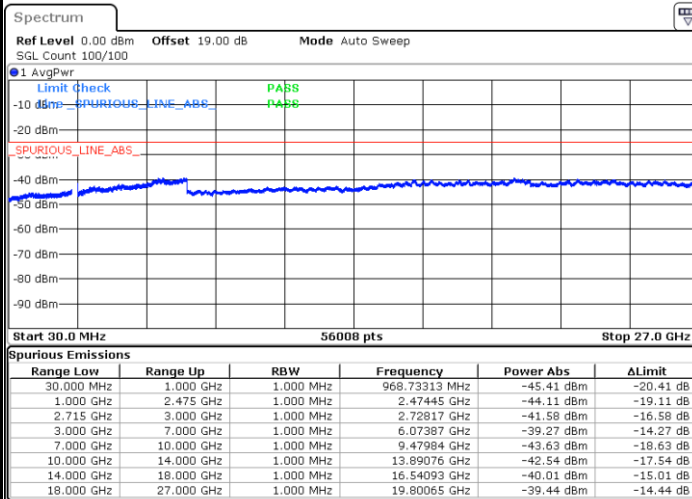
Date: 1.NOV.2021 12:04:56

## Middle Channel / 64QAM



Date: 1.NOV.2021 12:06:14

## Highest Channel / 64QAM

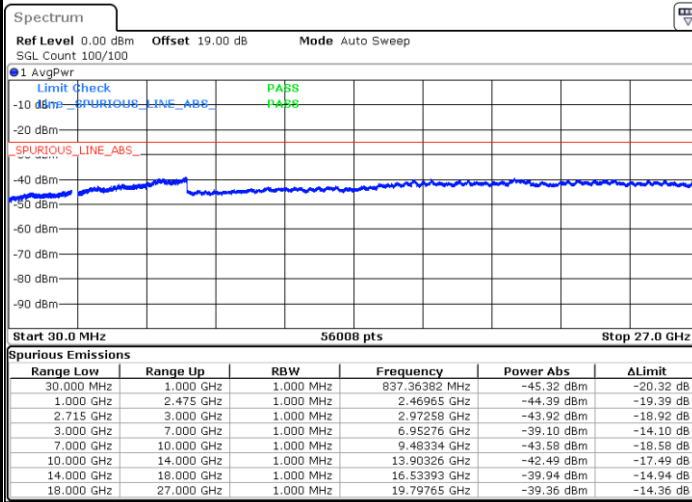


Date: 1.NOV.2021 12:07:32



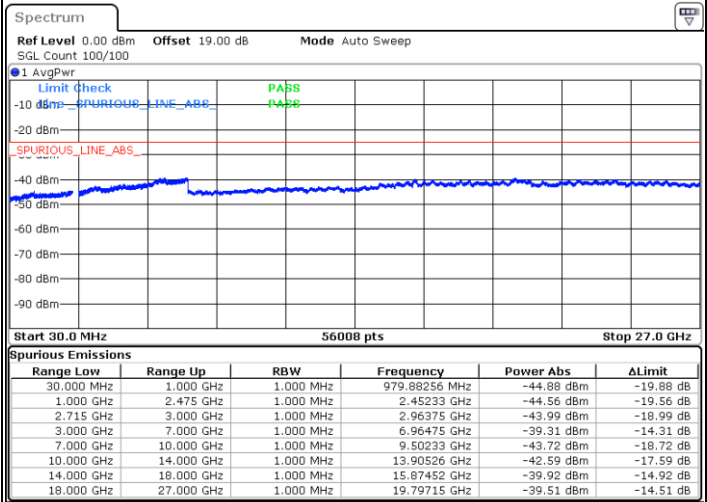
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



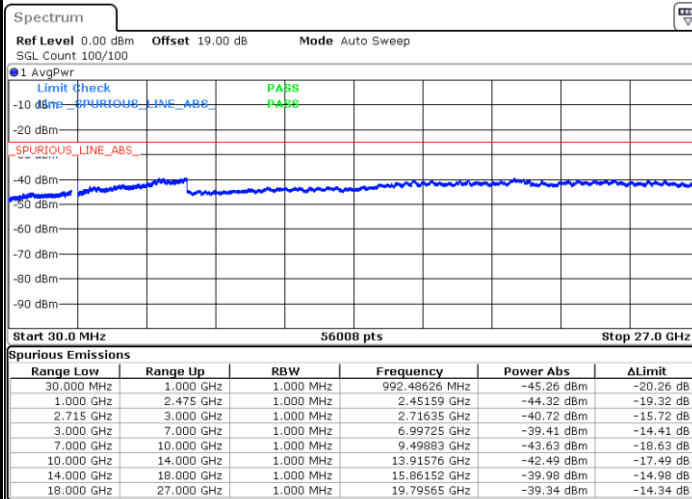
Date: 1.NOV.2021 12:08:51

## Middle Channel / 64QAM



Date: 1.NOV.2021 12:10:09

## Highest Channel / 64QAM

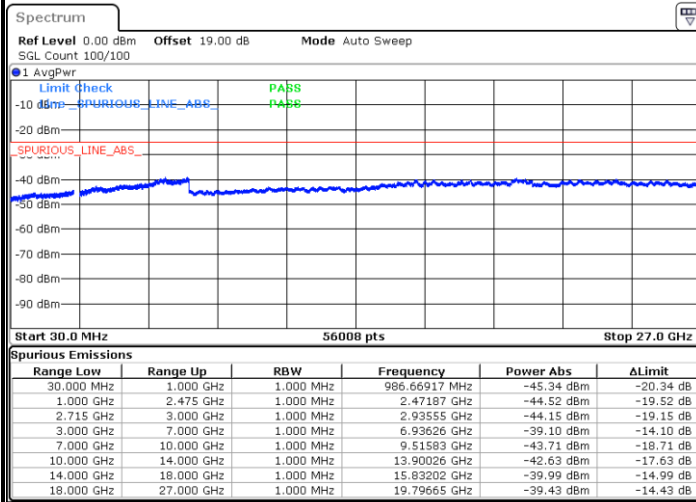


Date: 1.NOV.2021 12:11:27



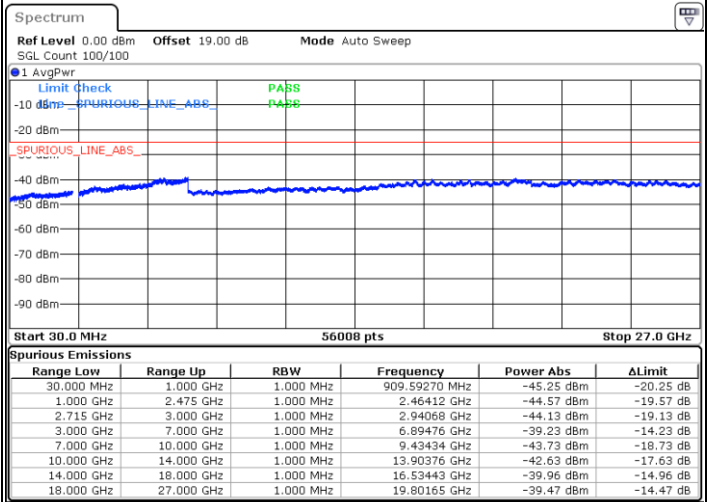
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



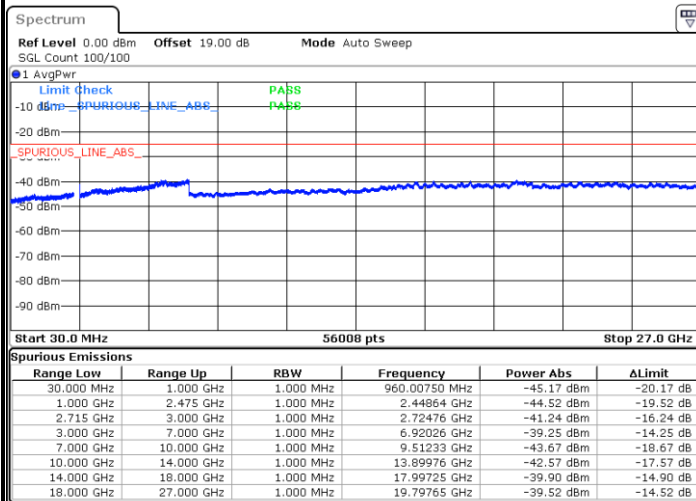
Date: 1.NOV.2021 12:12:47

## Middle Channel / 64QAM



Date: 1.NOV.2021 12:14:05

## Highest Channel / 64QAM



Date: 1.NOV.2021 12:15:23

## Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0005                              | PASS    |
| 40               | Normal Voltage    | 0.0001                              |         |
| 30               | Normal Voltage    | 0.0005                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0008                              |         |
| 0                | Normal Voltage    | 0.0002                              |         |
| -10              | Normal Voltage    | 0.0005                              |         |
| -20              | Normal Voltage    | 0.0006                              |         |
| -30              | Normal Voltage    | 0.0001                              |         |
| 20               | Maximum Voltage   | 0.0002                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0003                              |         |

**Note:**

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =6.6 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7C

## 26dB Bandwidth

| Mode       | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|
| QPSK       |                            |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 29.91                      | 25.18       | 30.63       | 34.83       |
| Middle CH  | 29.85                      | 25.28       | 30.63       | 34.97       |
| Highest CH | 29.85                      | 25.43       | 30.63       | 34.97       |
| BW         | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 30.09                      | 34.90       | 39.80       | -           |
| Middle CH  | 30.15                      | 34.97       | 39.96       | -           |
| Highest CH | 30.15                      | 34.90       | 39.96       | -           |

| Mode       | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|
| 16QAM      |                            |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 29.79                      | 25.28       | 30.51       | 34.76       |
| Middle CH  | 29.85                      | 25.43       | 30.75       | 34.76       |
| Highest CH | 29.79                      | 25.13       | 30.51       | 34.83       |
| BW         | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 30.03                      | 34.83       | 39.80       | -           |
| Middle CH  | 30.15                      | 35.04       | 39.72       | -           |
| Highest CH | 30.03                      | 35.11       | 40.12       | -           |

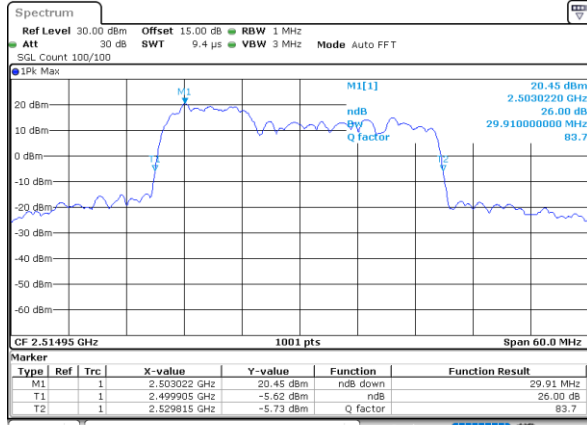
| Mode       | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|------------|----------------------------|-------------|-------------|-------------|
| 64QAM      |                            |             |             |             |
| BW         | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 29.79                      | 25.33       | 30.63       | 34.90       |
| Middle CH  | 29.79                      | 25.23       | 30.87       | 34.90       |
| Highest CH | 29.85                      | 25.28       | 30.57       | 34.97       |
| BW         | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 29.91                      | 34.76       | 39.72       | -           |
| Middle CH  | 30.03                      | 34.90       | 39.72       | -           |
| Highest CH | 29.97                      | 34.90       | 39.88       | -           |



## LTE Band 7C

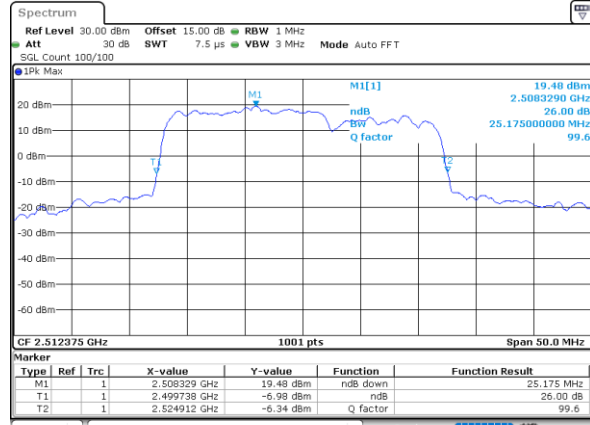
## QPSK

## Lowest Channel / 10MHz+20MHz



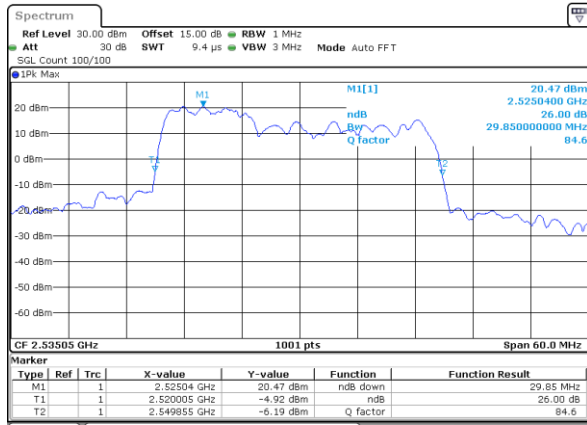
Date: 18.NOV.2021 16:48:32

## Lowest Channel / 15MHz+10MHz



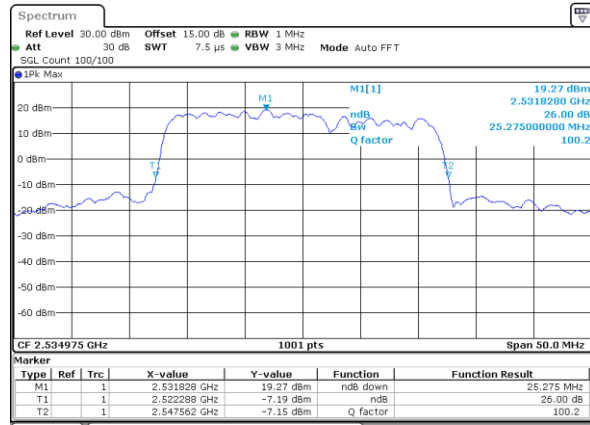
Date: 18.NOV.2021 17:25:35

## Middle Channel / 10MHz+20MHz



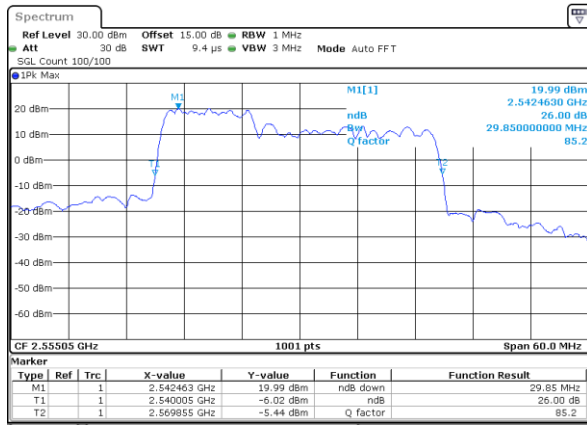
Date: 18.NOV.2021 16:50:35

## Middle Channel / 15MHz+10MHz



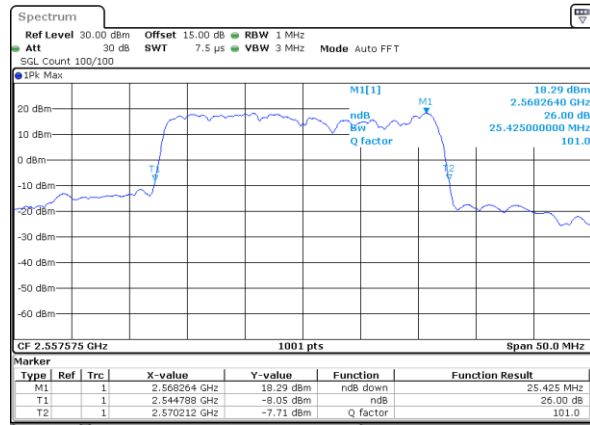
Date: 18.NOV.2021 17:27:37

## Highest Channel / 10MHz+20MHz



Date: 18.NOV.2021 16:51:18

## Highest Channel / 15MHz+10MHz



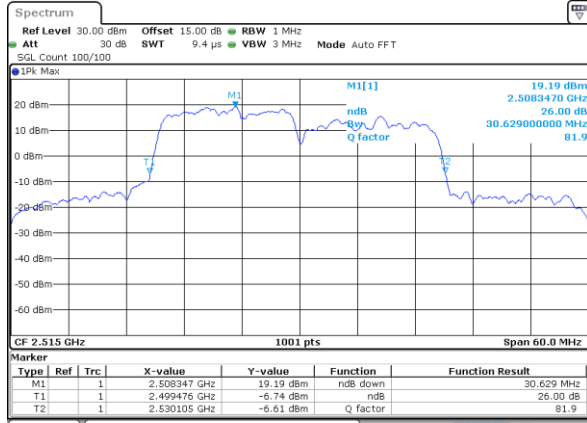
Date: 18.NOV.2021 17:28:20



## LTE Band 7C

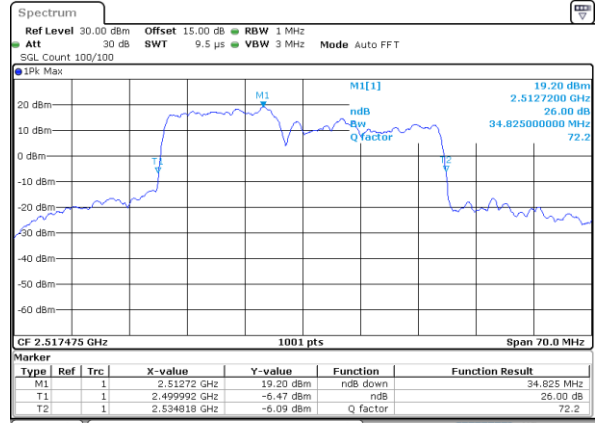
## QPSK

## Lowest Channel / 15MHz+15MHz



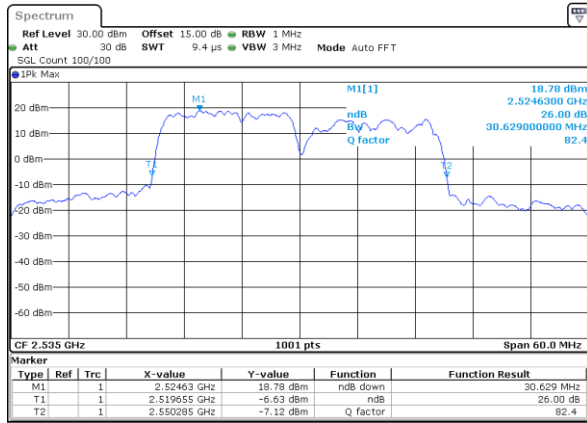
Date: 18.NOV.2021 17:00:55

## Lowest Channel / 15MHz+20MHz



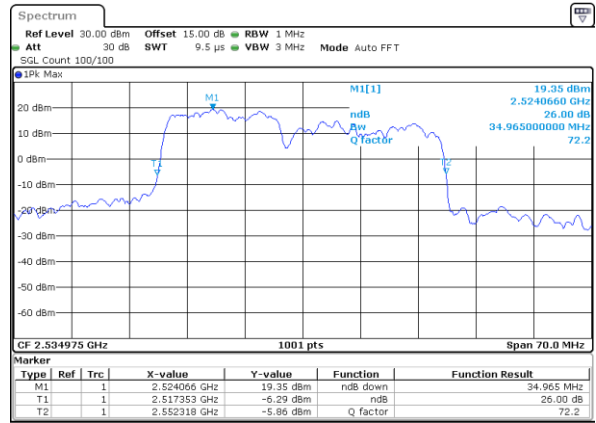
Date: 18.NOV.2021 17:07:03

## Middle Channel / 15MHz+15MHz



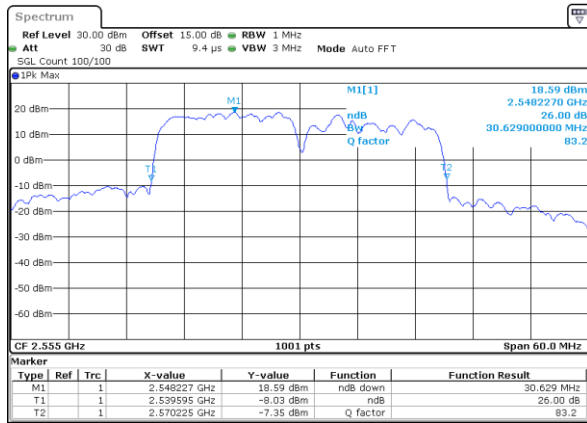
Date: 18.NOV.2021 17:02:57

## Middle Channel / 15MHz+20MHz



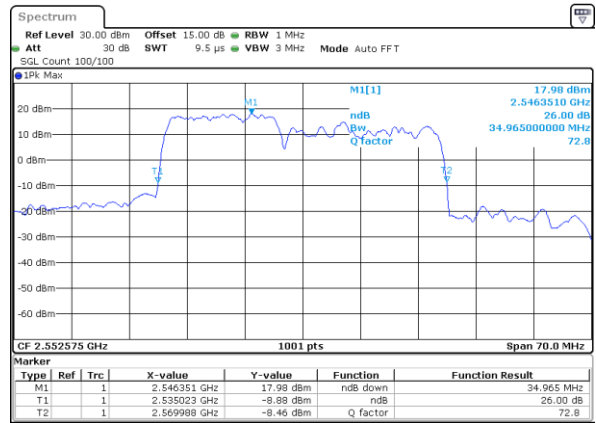
Date: 18.NOV.2021 17:09:06

## Highest Channel / 15MHz+15MHz



Date: 18.NOV.2021 17:03:40

## Highest Channel / 15MHz+20MHz



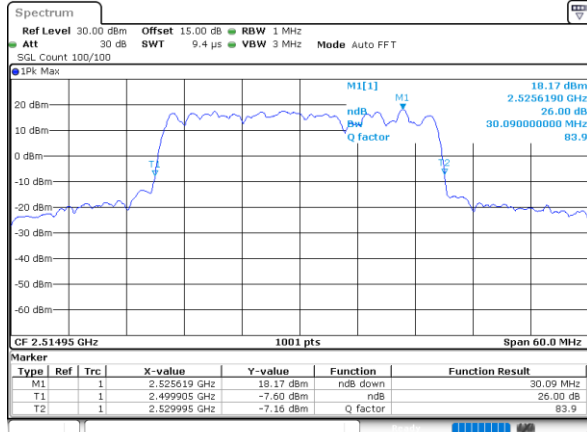
Date: 18.NOV.2021 17:09:49



## LTE Band 7C

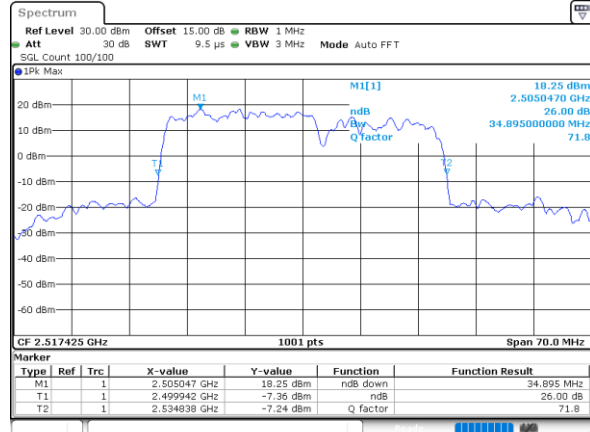
## QPSK

## Lowest Channel / 20MHz+10MHz



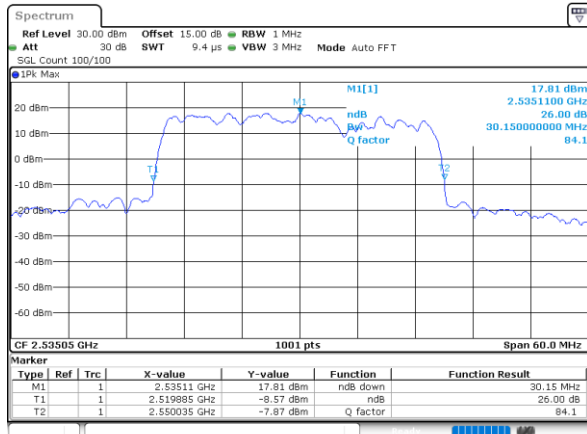
Date: 18.NOV.2021 16:54:41

## Lowest Channel / 20MHz+15MHz



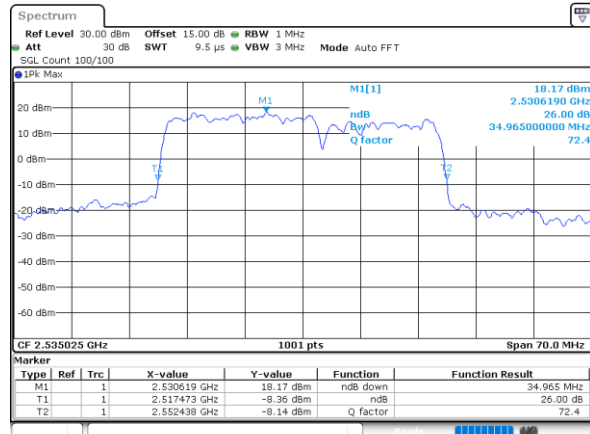
Date: 18.NOV.2021 17:13:12

## Middle Channel / 20MHz+10MHz



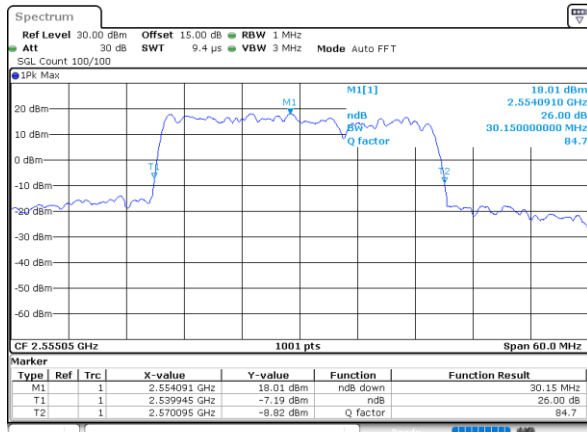
Date: 18.NOV.2021 16:56:43

## Middle Channel / 20MHz+15MHz



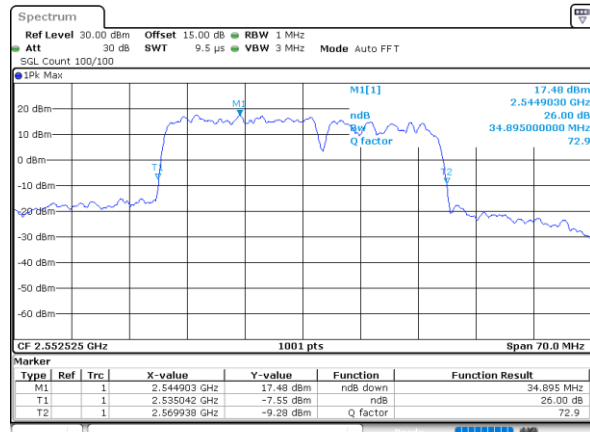
Date: 18.NOV.2021 17:15:14

## Highest Channel / 20MHz+10MHz



Date: 18.NOV.2021 16:57:26

## Highest Channel / 20MHz+15MHz



Date: 18.NOV.2021 17:15:57

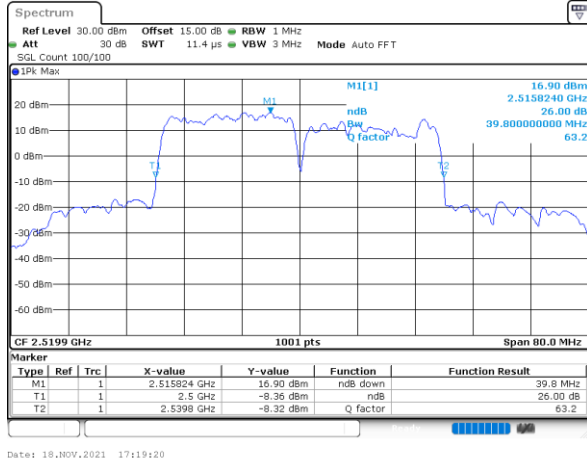


LTE Band 7C

QPSK

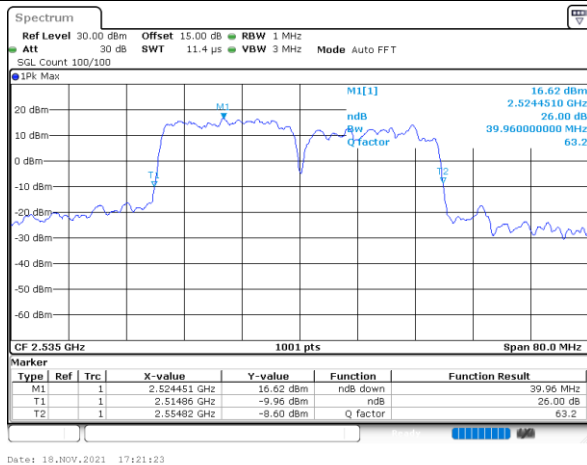
Lowest Channel / 20MHz+20MHz

N/A



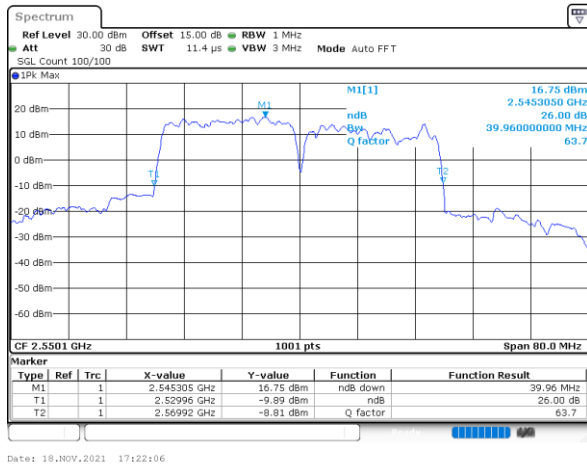
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

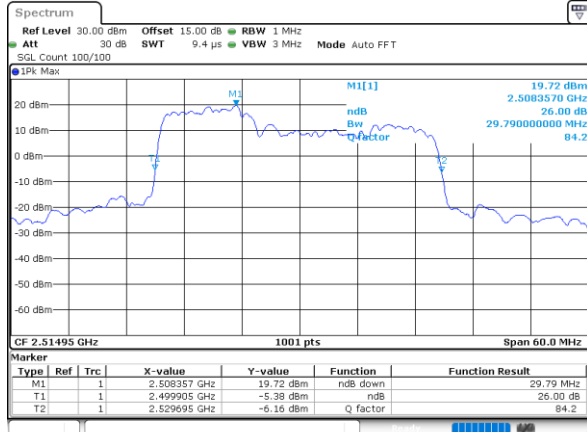




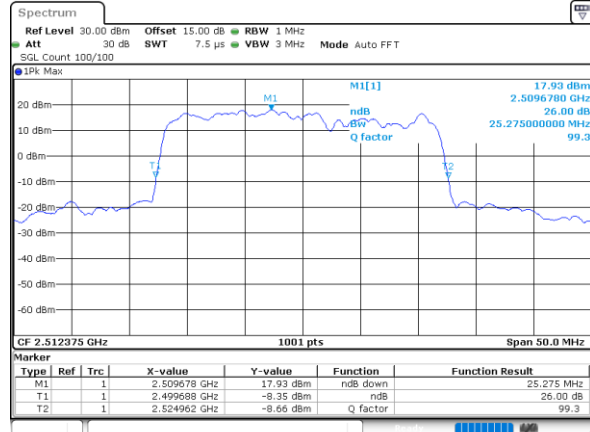
## LTE Band 7C

## 16QAM

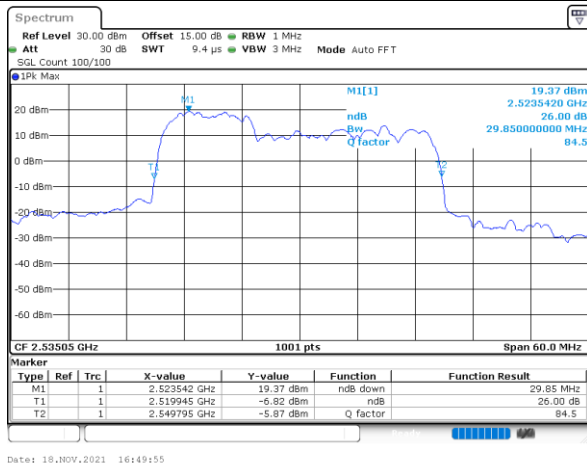
## Lowest Channel / 10MHz+20MHz



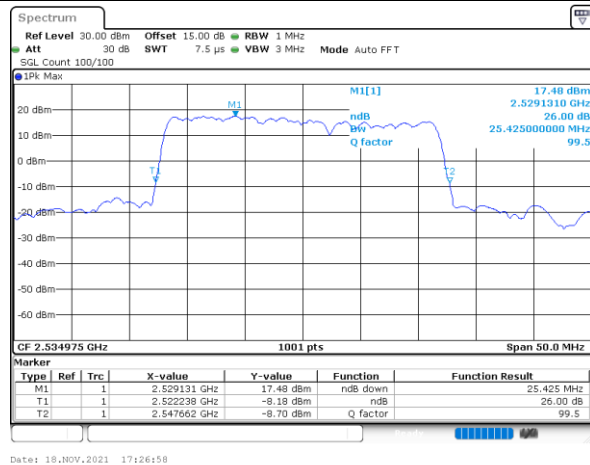
## Lowest Channel / 15MHz+10MHz



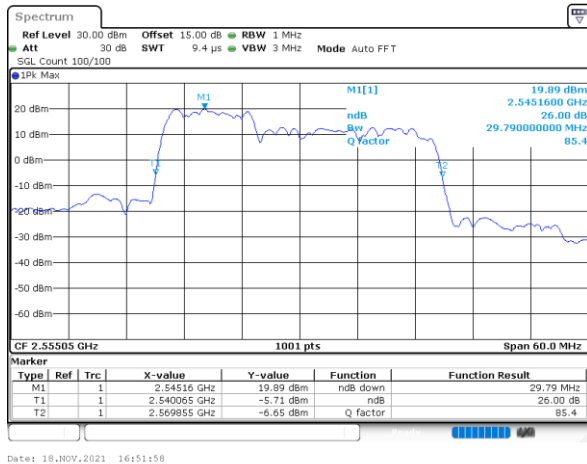
## Middle Channel / 10MHz+20MHz



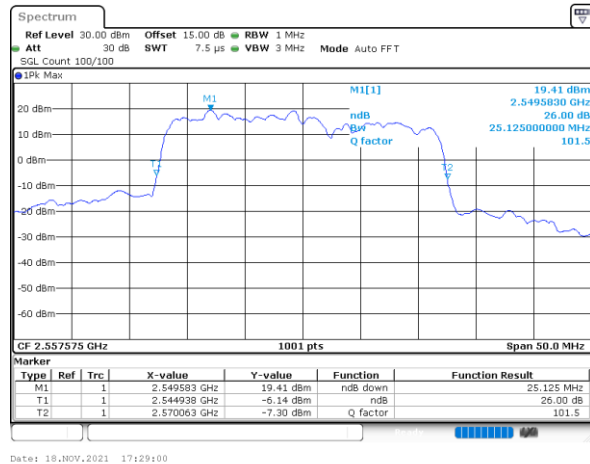
## Middle Channel / 15MHz+10MHz



## Highest Channel / 10MHz+20MHz



## Highest Channel / 15MHz+10MHz

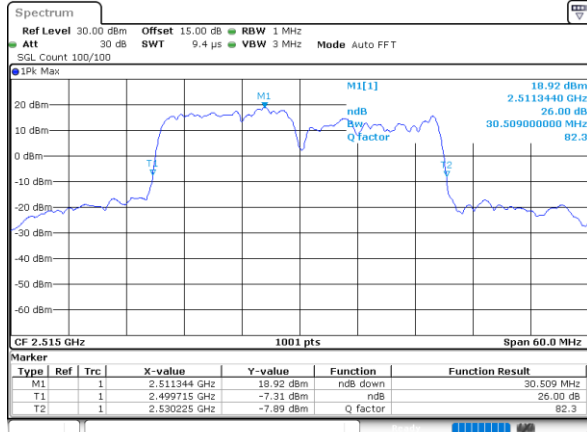




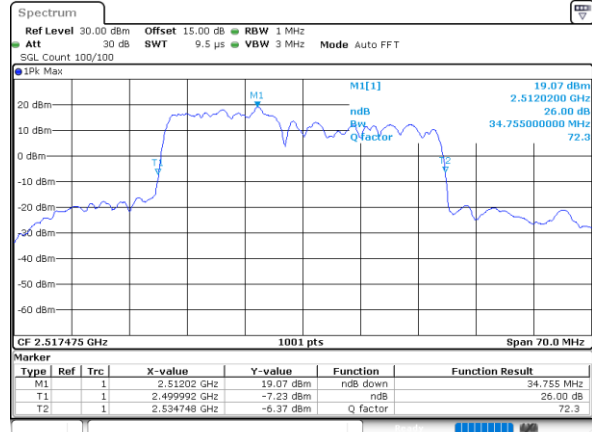
## LTE Band 7C

## 16QAM

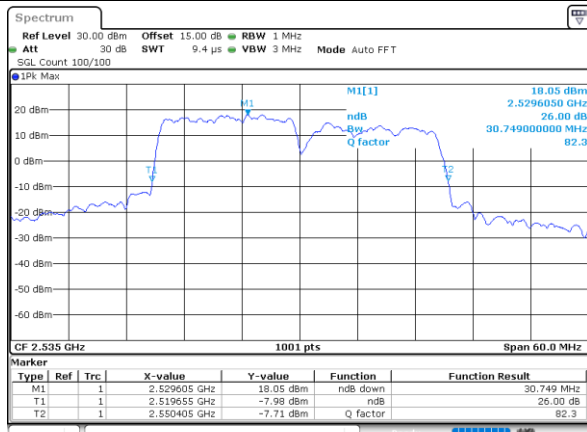
## Lowest Channel / 15MHz+15MHz



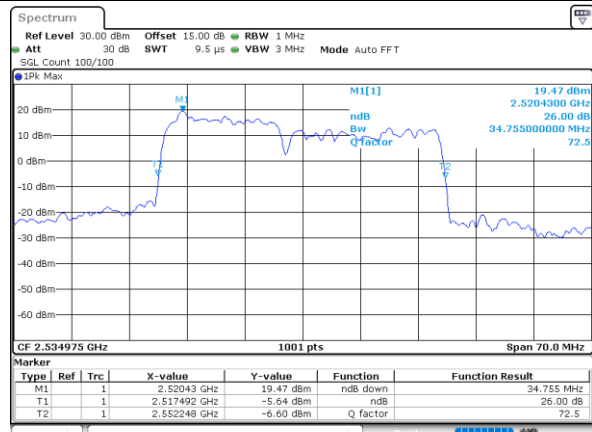
## Lowest Channel / 15MHz+20MHz



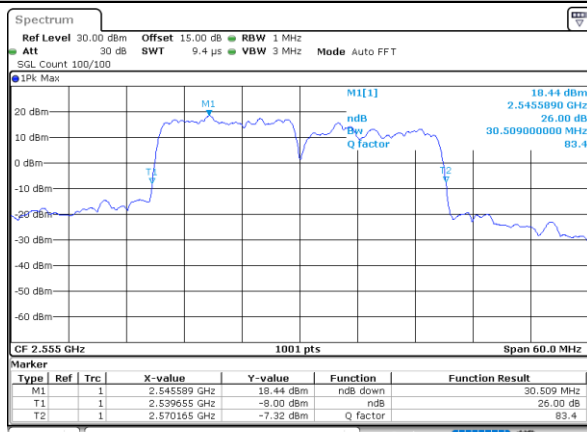
## Middle Channel / 15MHz+15MHz



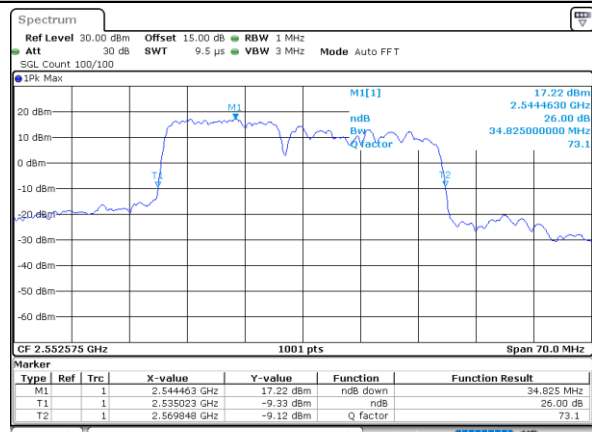
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

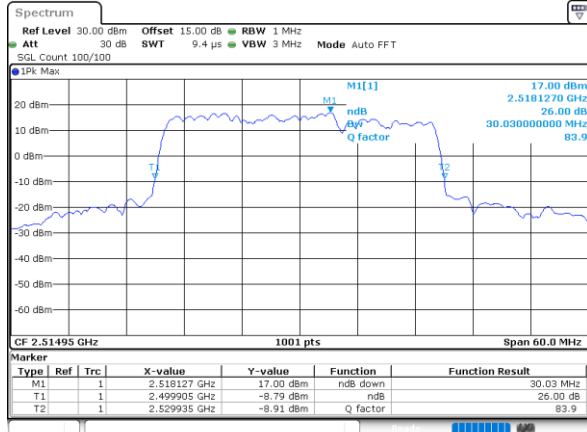




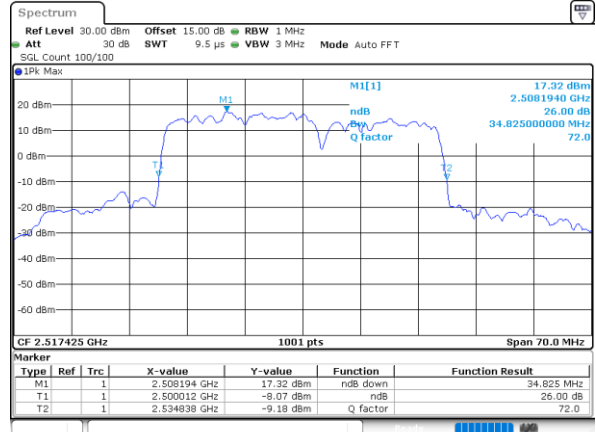
## LTE Band 7C

## 16QAM

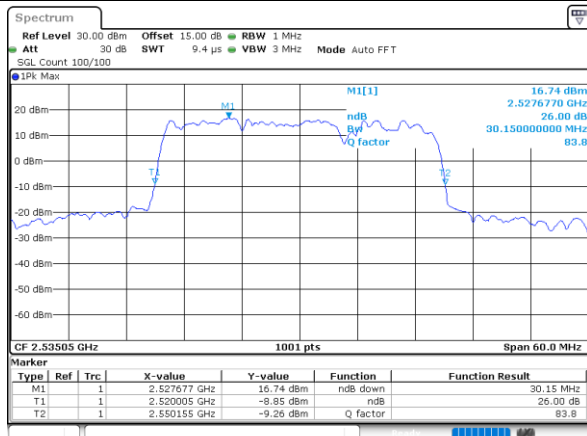
## Lowest Channel / 20MHz+10MHz



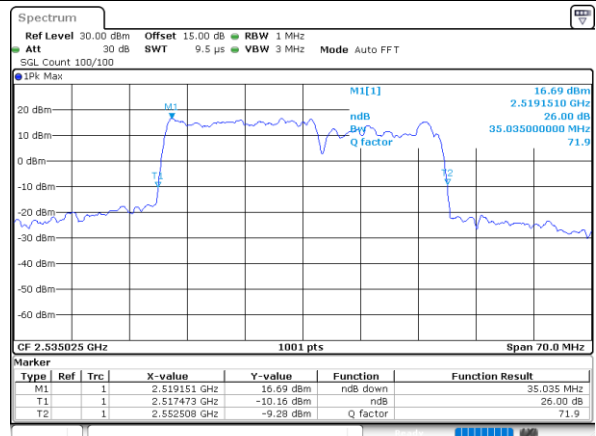
## Lowest Channel / 20MHz+15MHz



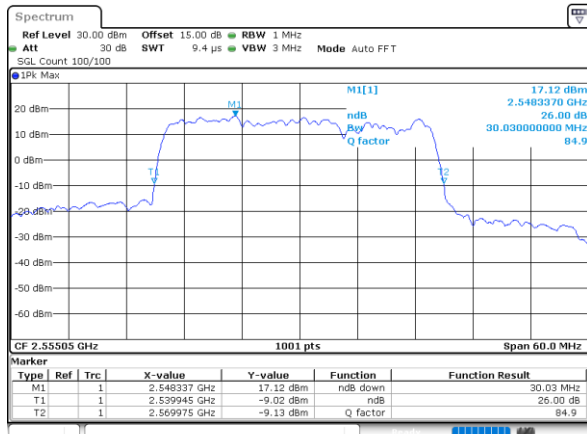
## Middle Channel / 20MHz+10MHz



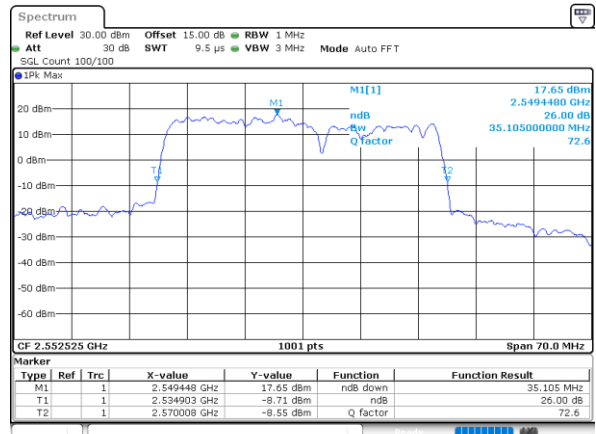
## Middle Channel / 20MHz+15MHz



## Highest Channel / 20MHz+10MHz



## Highest Channel / 20MHz+15MHz



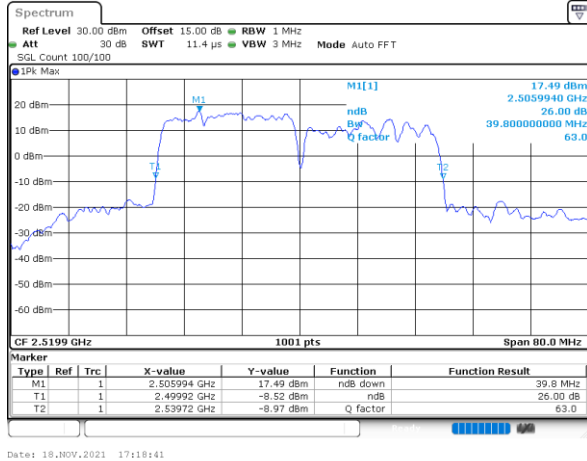


LTE Band 7C

16QAM

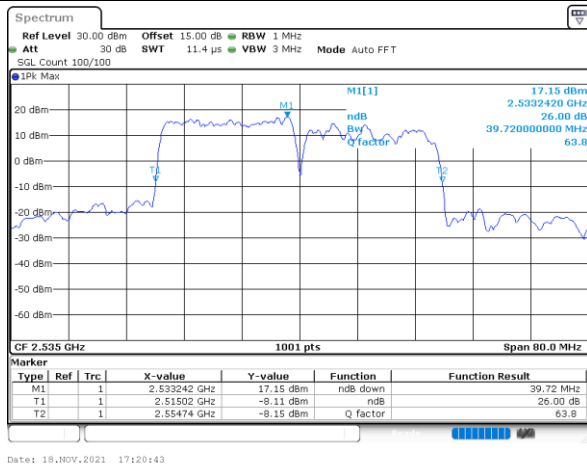
Lowest Channel / 20MHz+20MHz

N/A



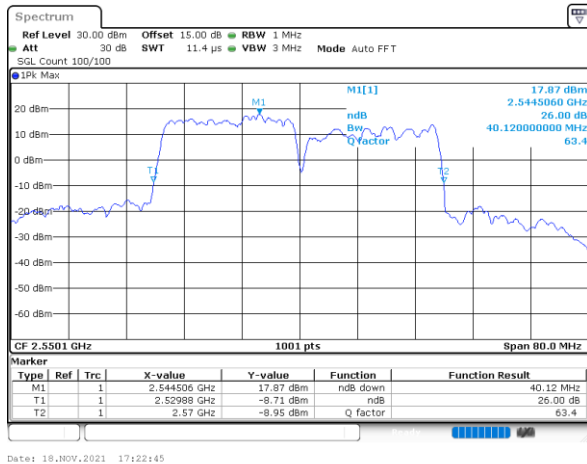
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

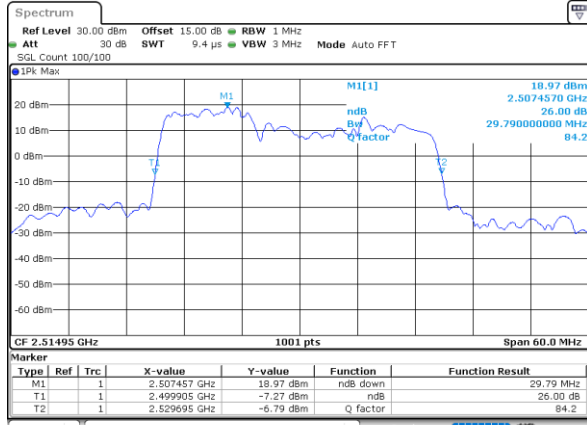




## LTE Band 7C

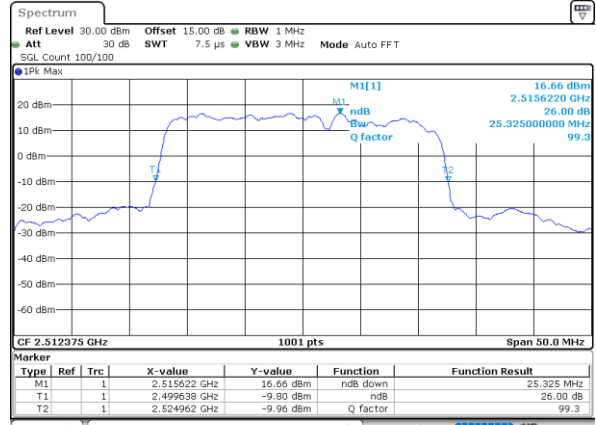
## 64QAM

## Lowest Channel / 10MHz+20MHz



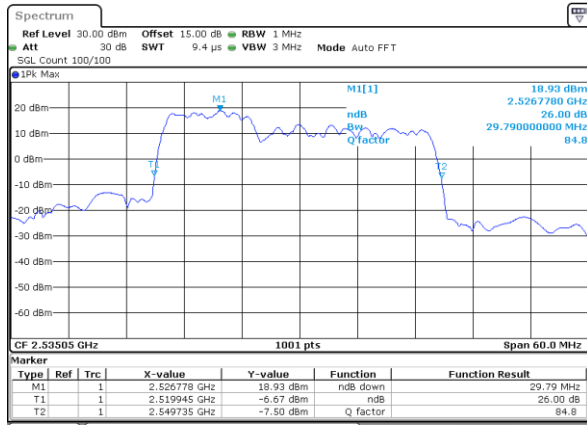
Date: 18.NOV.2021 16:47:13

## Lowest Channel / 15MHz+10MHz



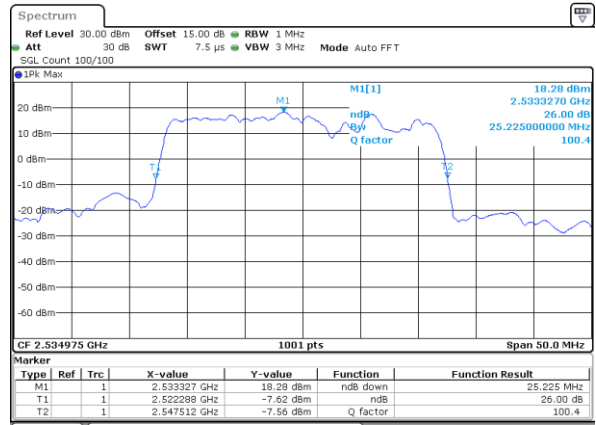
Date: 18.NOV.2021 17:24:14

## Middle Channel / 10MHz+20MHz



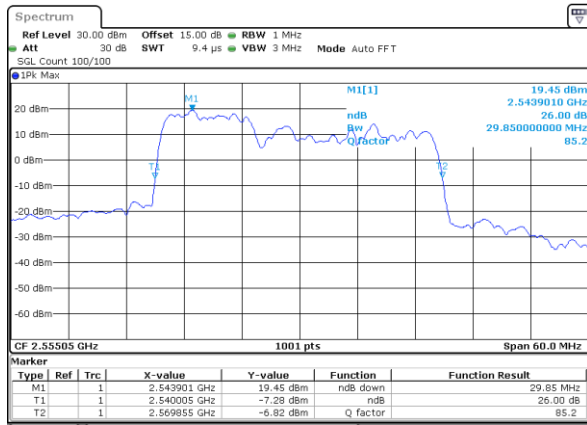
Date: 18.NOV.2021 16:49:16

## Middle Channel / 15MHz+10MHz



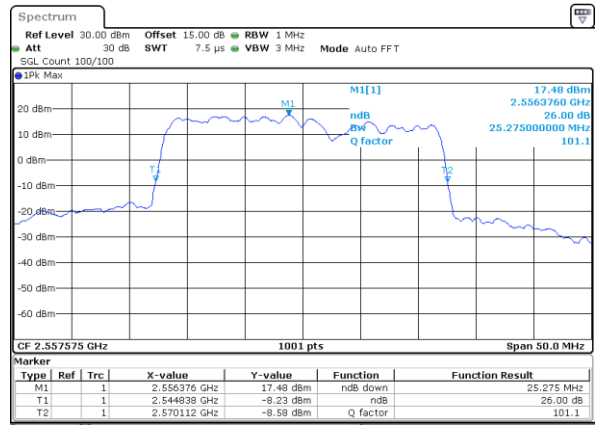
Date: 18.NOV.2021 17:24:18

## Highest Channel / 10MHz+20MHz



Date: 18.NOV.2021 16:52:37

## Highest Channel / 15MHz+10MHz



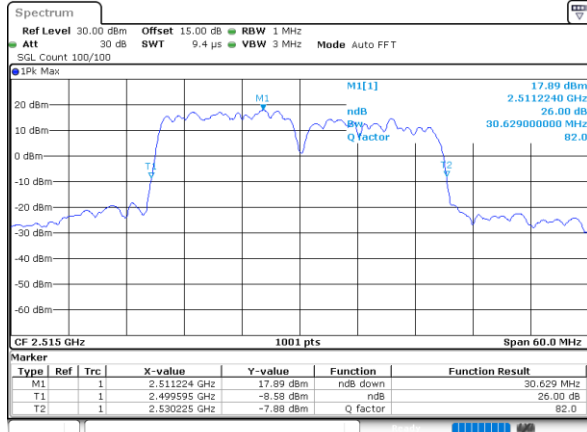
Date: 18.NOV.2021 17:29:39



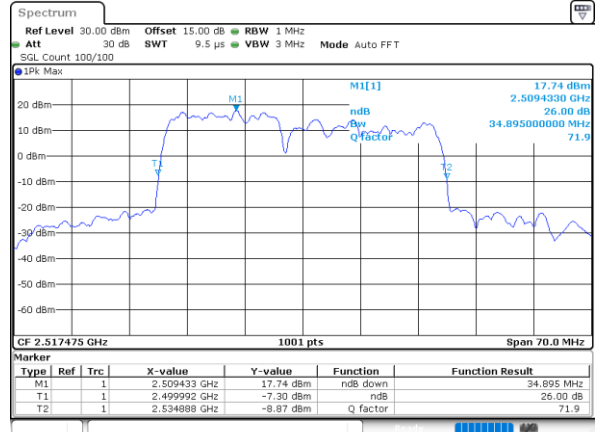
## LTE Band 7C

## 64QAM

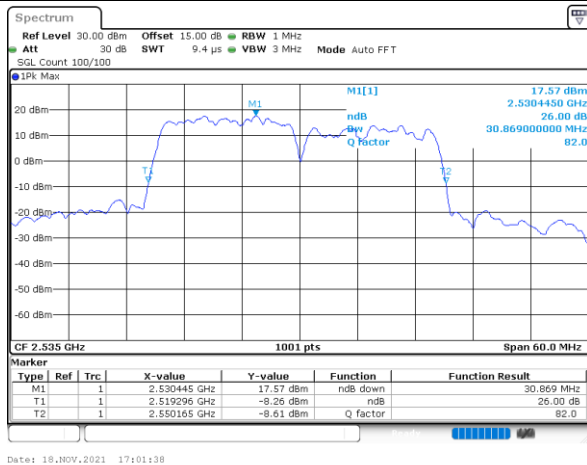
## Lowest Channel / 15MHz+15MHz



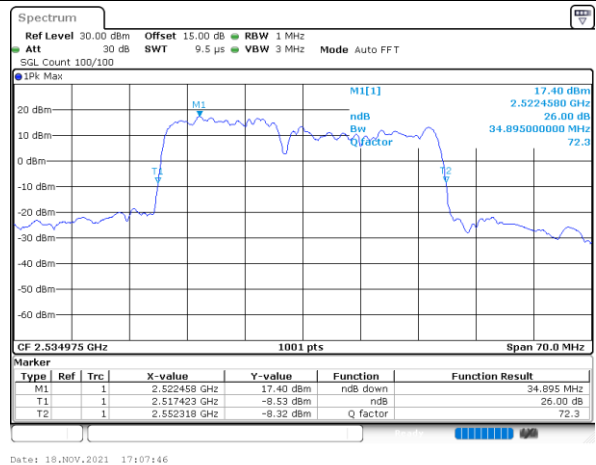
## Lowest Channel / 15MHz+20MHz



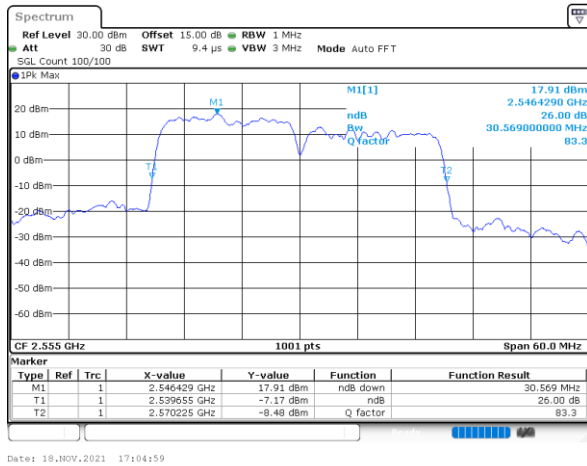
## Middle Channel / 15MHz+15MHz



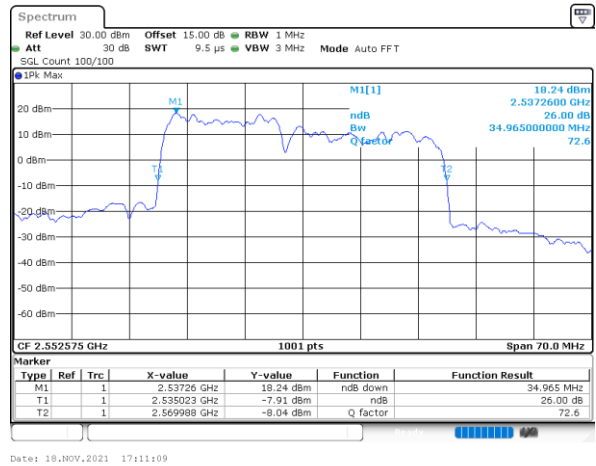
## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

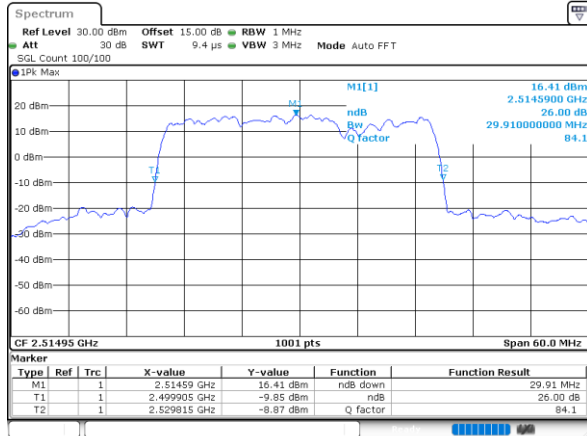




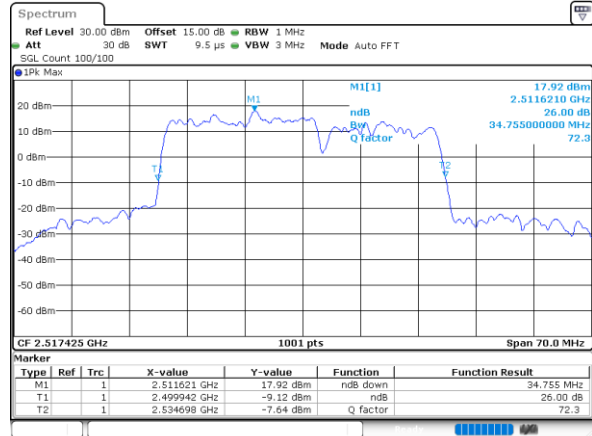
## LTE Band 7C

## 64QAM

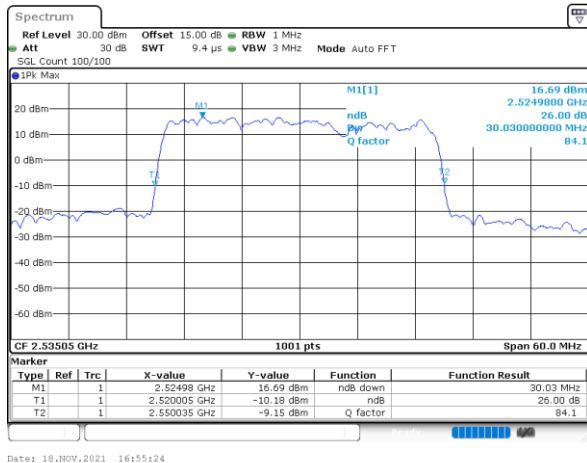
## Lowest Channel / 20MHz+10MHz



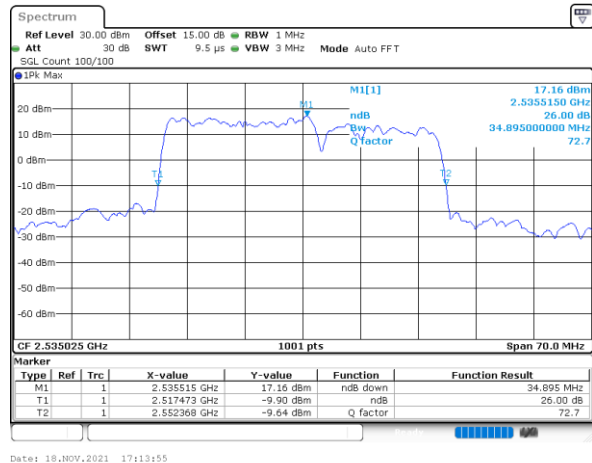
## Lowest Channel / 20MHz+15MHz



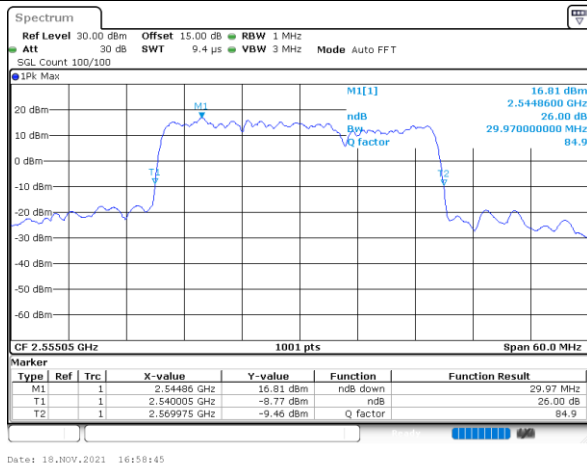
## Middle Channel / 20MHz+10MHz



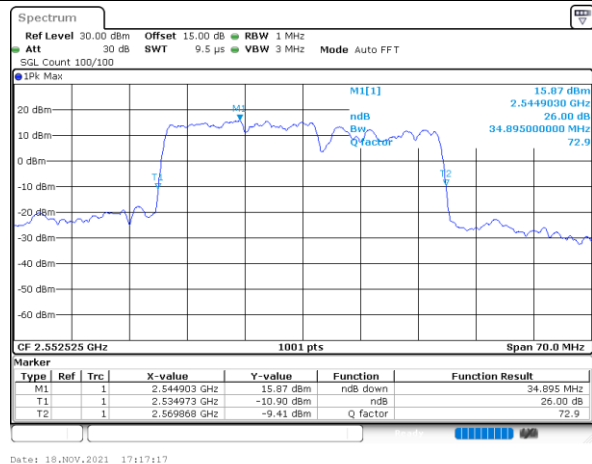
## Middle Channel / 20MHz+15MHz



## Highest Channel / 20MHz+10MHz



## Highest Channel / 20MHz+15MHz



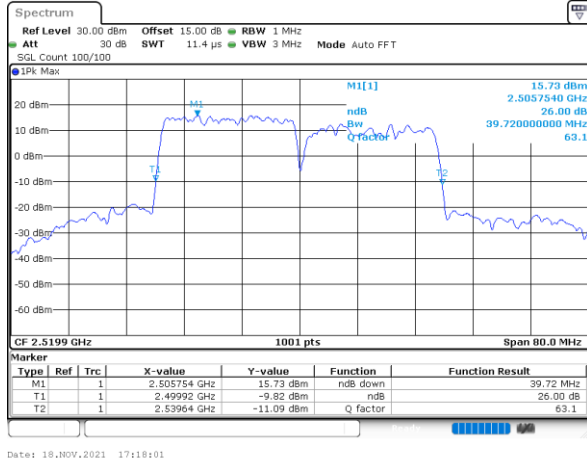


LTE Band 7C

64QAM

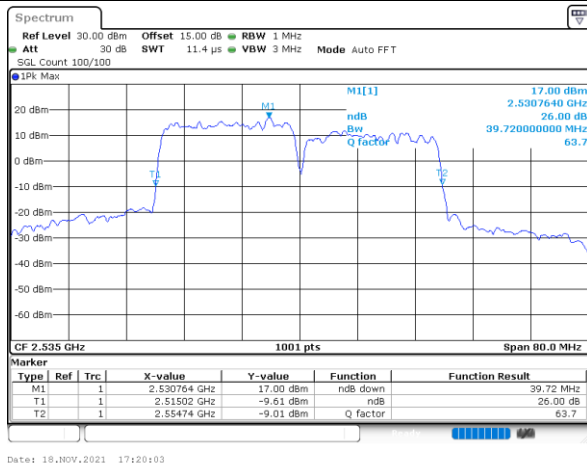
Lowest Channel / 20MHz+20MHz

N/A



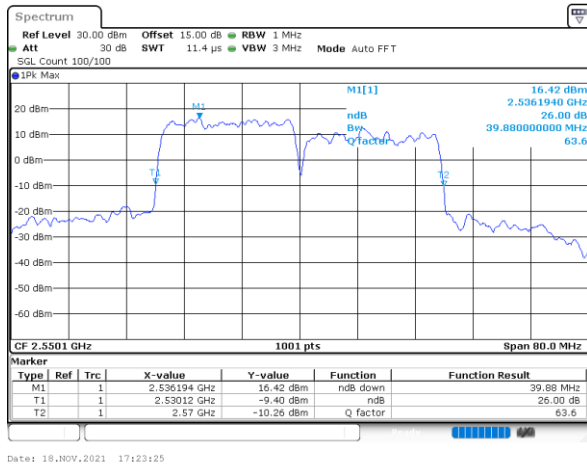
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MH

N/A



**Occupied Bandwidth**

| Mode       | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|------------|---------------------------|-------------|-------------|-------------|
| QPSK       |                           |             |             |             |
| BW         | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 27.99                     | 23.48       | 28.65       | 32.87       |
| Middle CH  | 28.05                     | 23.53       | 28.65       | 32.87       |
| Highest CH | 28.05                     | 23.53       | 28.59       | 32.80       |
| BW         | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 27.99                     | 32.87       | 37.64       | -           |
| Middle CH  | 28.05                     | 32.87       | 37.72       | -           |
| Highest CH | 28.05                     | 32.73       | 37.72       | -           |

| Mode       | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|------------|---------------------------|-------------|-------------|-------------|
| 16QAM      |                           |             |             |             |
| BW         | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 27.99                     | 23.48       | 28.47       | 32.73       |
| Middle CH  | 27.99                     | 23.43       | 28.53       | 32.80       |
| Highest CH | 27.99                     | 23.48       | 28.53       | 32.80       |
| BW         | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 27.93                     | 32.94       | 37.64       | -           |
| Middle CH  | 28.11                     | 32.80       | 37.64       | -           |
| Highest CH | 28.05                     | 32.87       | 37.72       | -           |

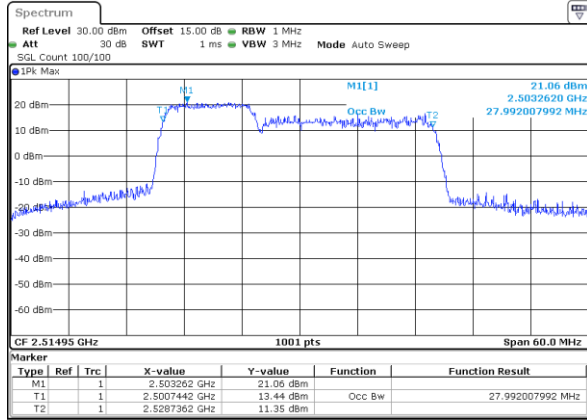
| Mode       | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|------------|---------------------------|-------------|-------------|-------------|
| 64QAM      |                           |             |             |             |
| BW         | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH  | 27.81                     | 23.38       | 28.53       | 32.80       |
| Middle CH  | 28.05                     | 23.43       | 28.53       | 32.73       |
| Highest CH | 27.93                     | 23.43       | 28.53       | 32.80       |
| BW         | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Lowest CH  | 27.87                     | 32.87       | 37.56       | -           |
| Middle CH  | 28.05                     | 32.80       | 37.64       | -           |
| Highest CH | 28.17                     | 32.80       | 37.80       | -           |



## LTE Band 7C

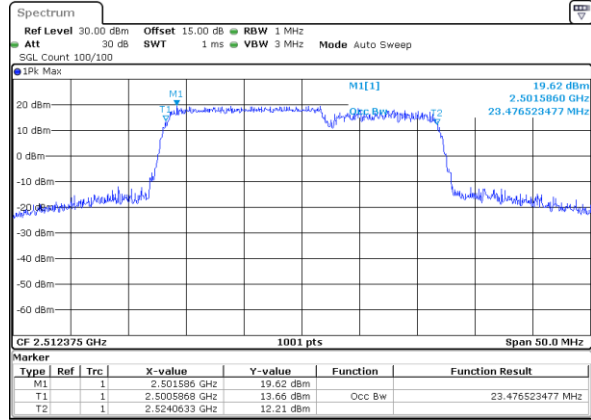
## QPSK

## Lowest Channel / 10MHz+20MHz



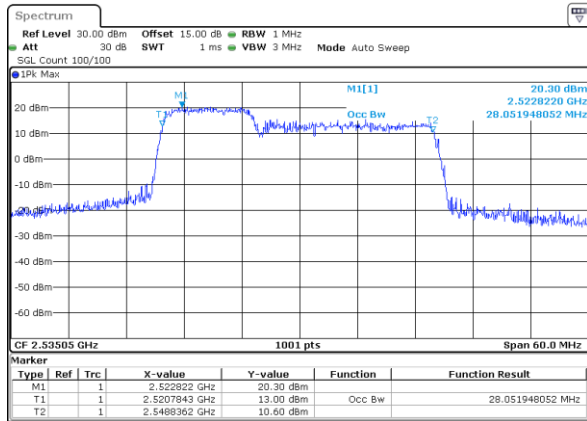
Date: 5 NOV 2021 17:23:23

## Lowest Channel / 15MHz+10MHz



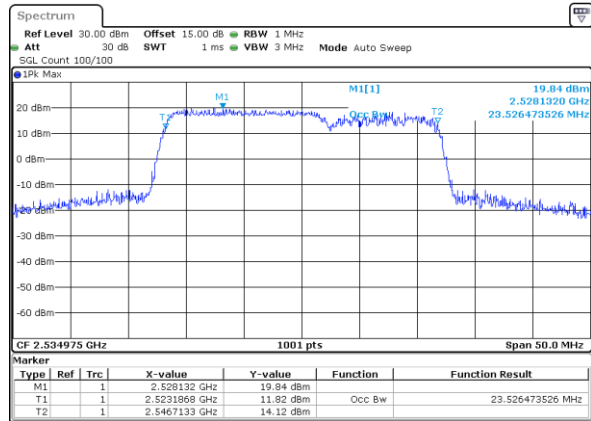
Date: 7 NOV 2021 08:23:26

## Middle Channel / 10MHz+20MHz



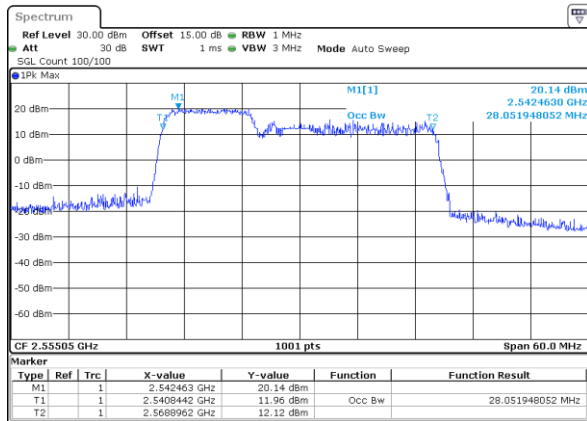
Date: 5 NOV 2021 17:51:10

## Middle Channel / 15MHz+10MHz



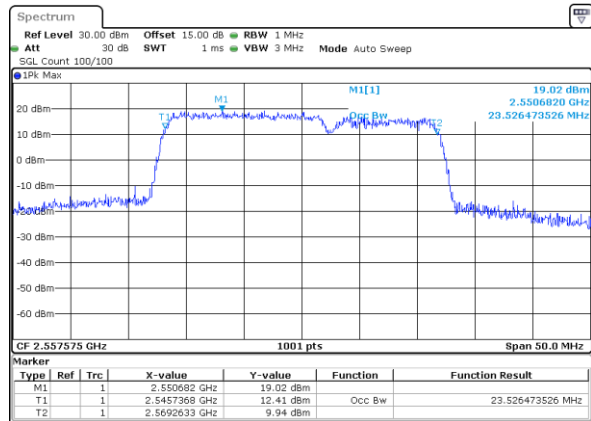
Date: 7 NOV 2021 08:54:53

## Highest Channel / 10MHz+20MHz



Date: 5 NOV 2021 18:07:13

## Highest Channel / 15MHz+10MHz



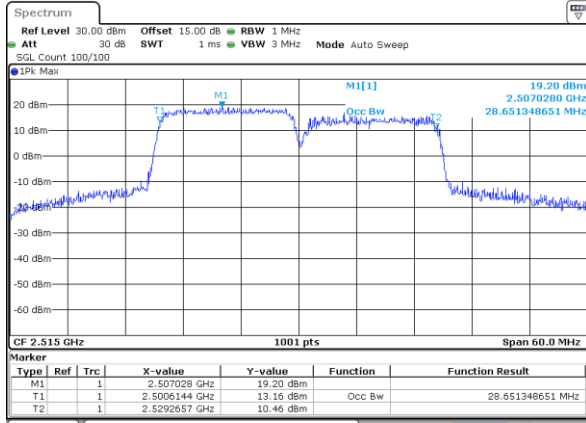
Date: 7 NOV 2021 09:12:42



## LTE Band 7C

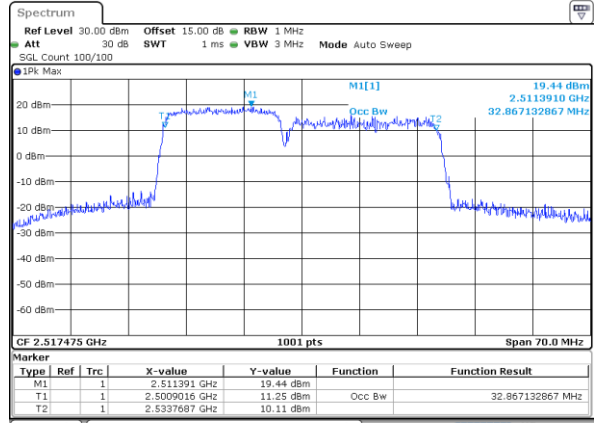
## QPSK

## Lowest Channel / 15MHz+15MHz



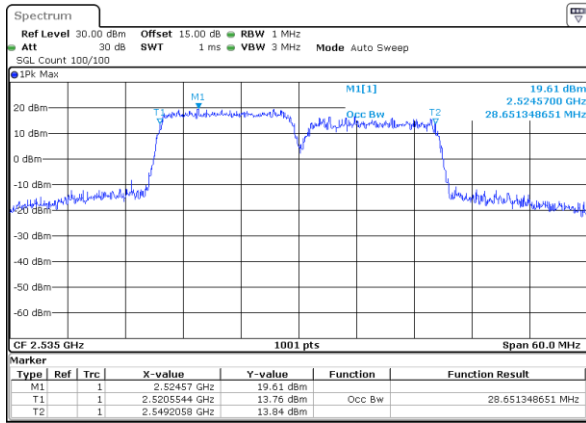
Date: 5 NOV 2021 20:21:37

## Lowest Channel / 15MHz+20MHz



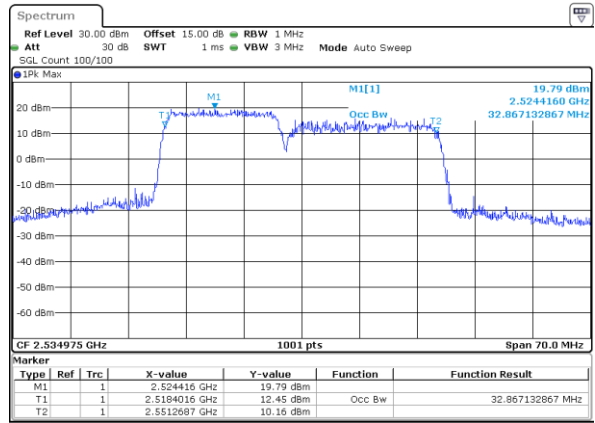
Date: 5 NOV 2021 21:33:21

## Middle Channel / 15MHz+15MHz



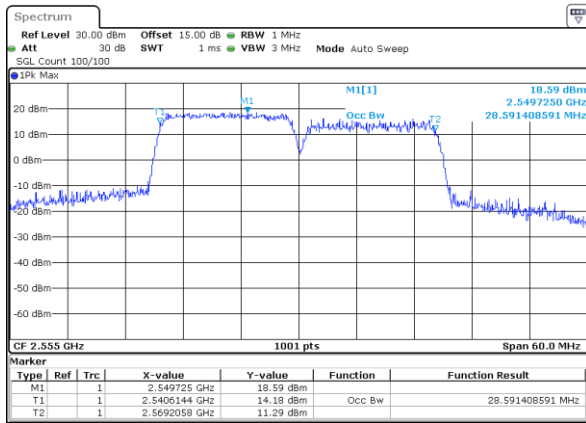
Date: 5 NOV 2021 20:50:05

## Middle Channel / 15MHz+20MHz



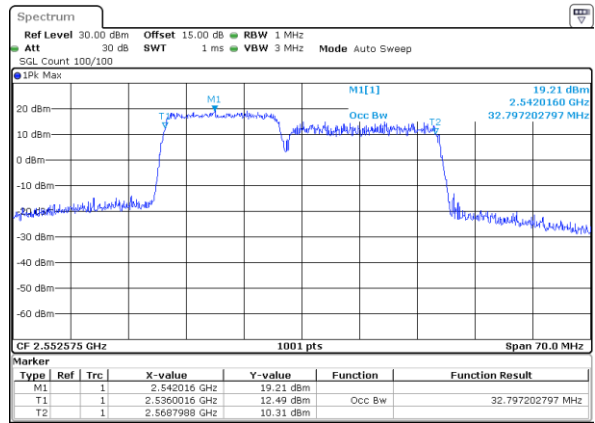
Date: 5 NOV 2021 22:01:52

## Highest Channel / 15MHz+15MHz



Date: 5 NOV 2021 21:05:48

## Highest Channel / 15MHz+20MHz



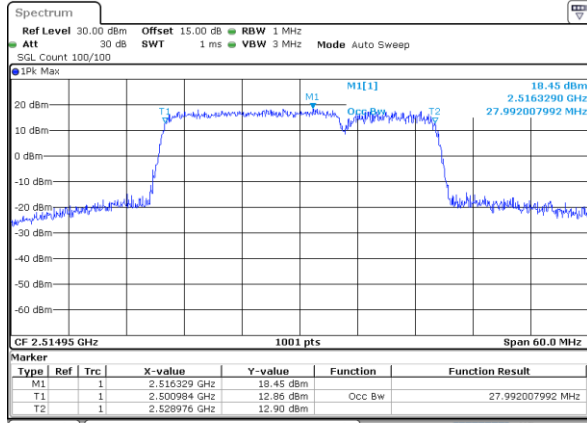
Date: 5 NOV 2021 22:17:29



## LTE Band 7C

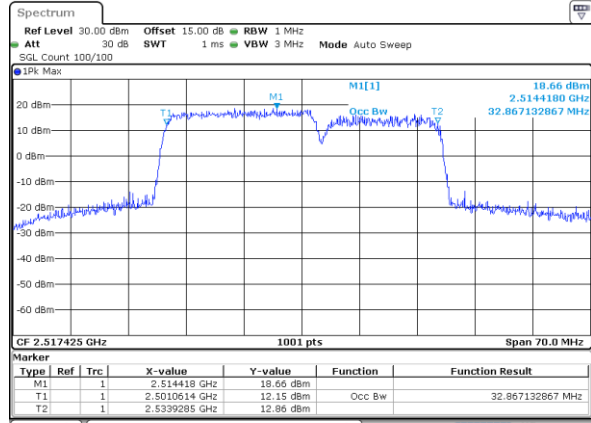
## QPSK

## Lowest Channel / 20MHz+10MHz



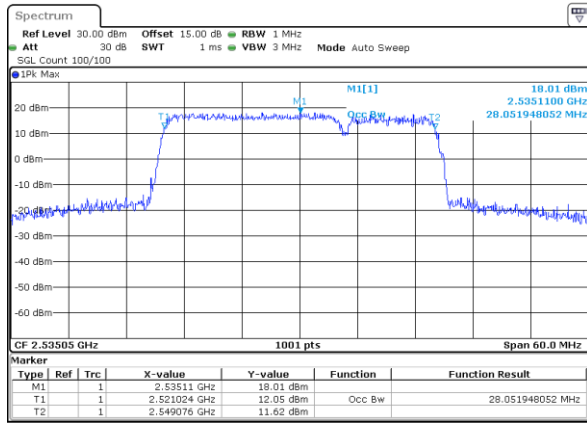
Date: 5 NOV 2021 19:09:42

## Lowest Channel / 20MHz+15MHz



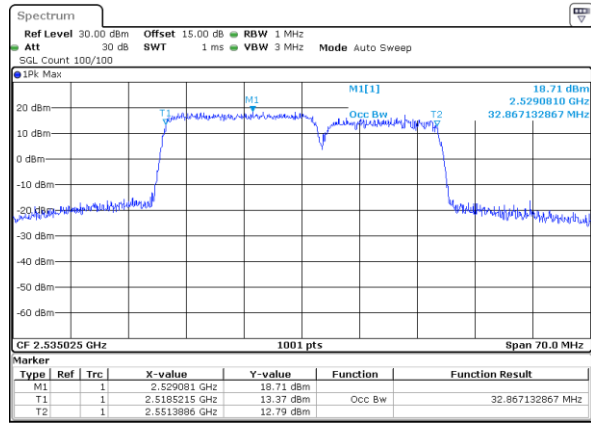
Date: 5 NOV 2021 22:44:22

## Middle Channel / 20MHz+10MHz



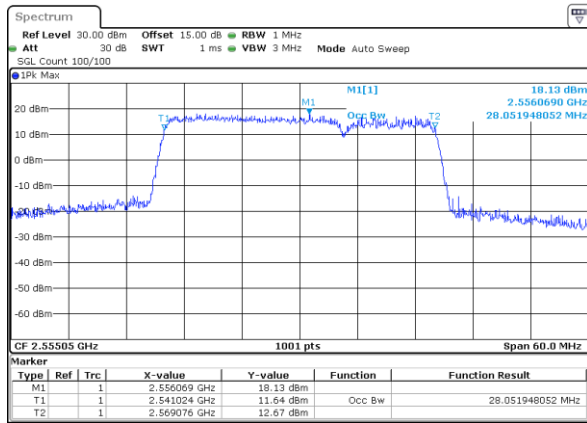
Date: 5 NOV 2021 19:37:30

## Middle Channel / 20MHz+15MHz



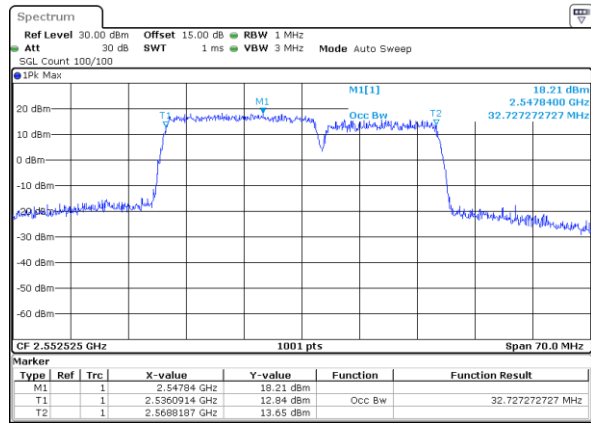
Date: 5 NOV 2021 23:12:58

## Highest Channel / 20MHz+10MHz



Date: 5 NOV 2021 19:53:06

## Highest Channel / 20MHz+15MHz



Date: 5 NOV 2021 23:28:41

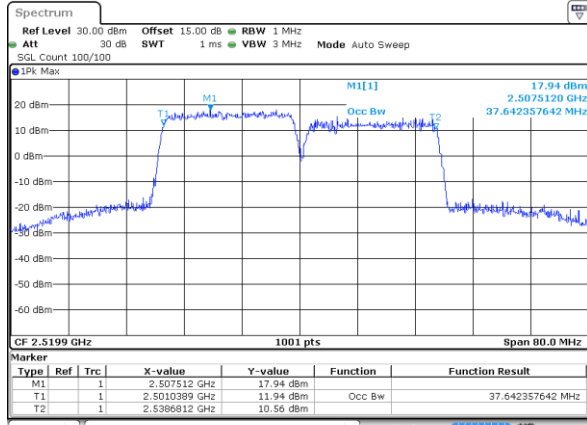


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

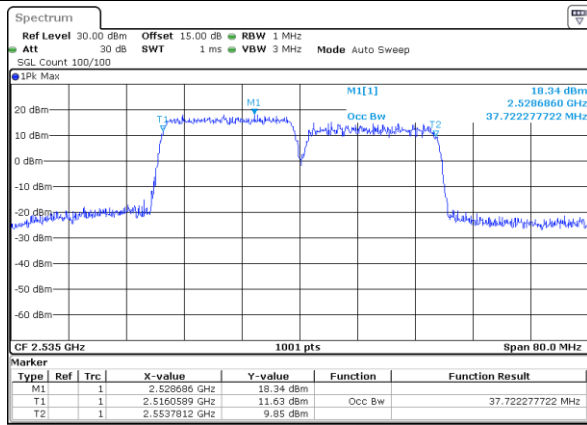
N/A



Date: 5 NOV 2021 23:55:34

Middle Channel / 20MHz+20MHz

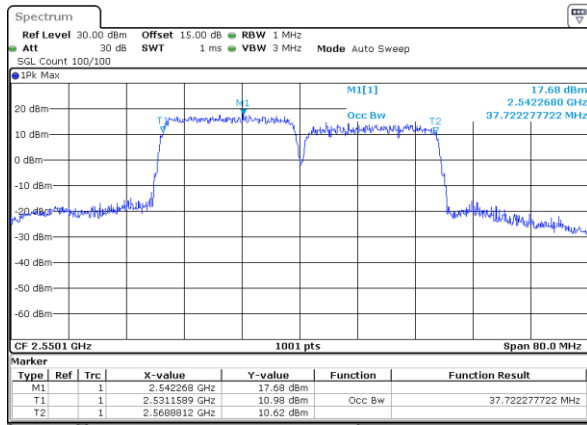
N/A



Date: 6 NOV 2021 00:24:15

Highest Channel / 20MHz+20MHz

N/A



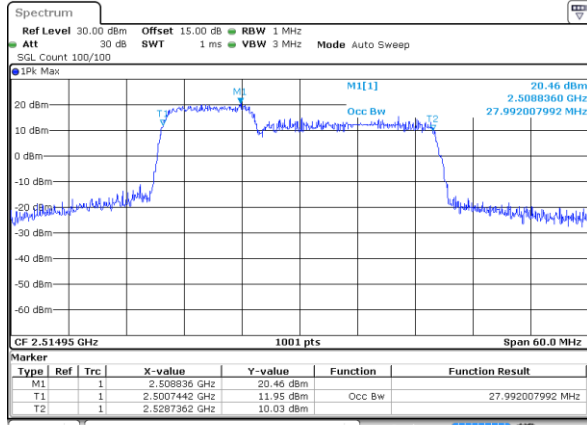
Date: 6 NOV 2021 00:39:53



## LTE Band 7C

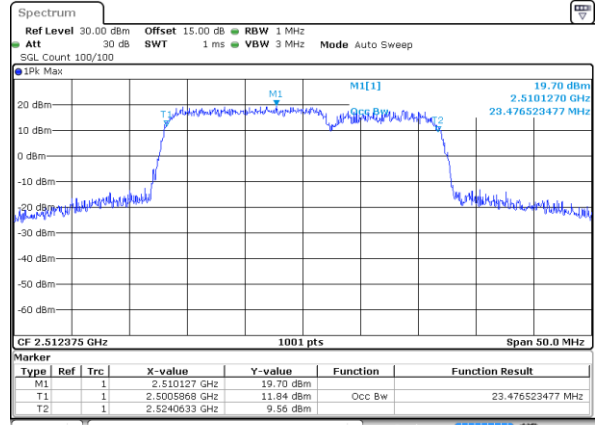
## 16QAM

## Lowest Channel / 10MHz+20MHz



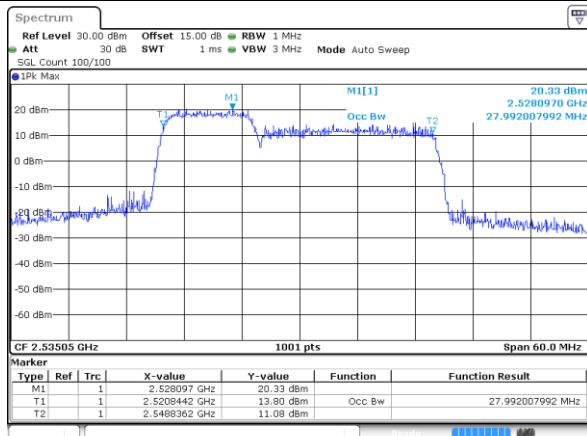
Date: 5 NOV 2021 17:23:54

## Lowest Channel / 15MHz+10MHz



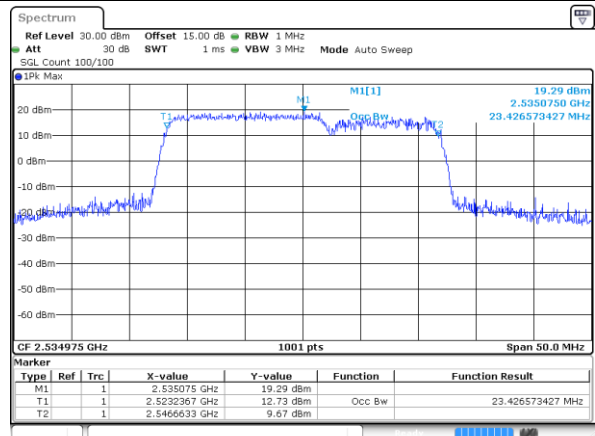
Date: 7 NOV 2021 08:24:03

## Middle Channel / 10MHz+20MHz



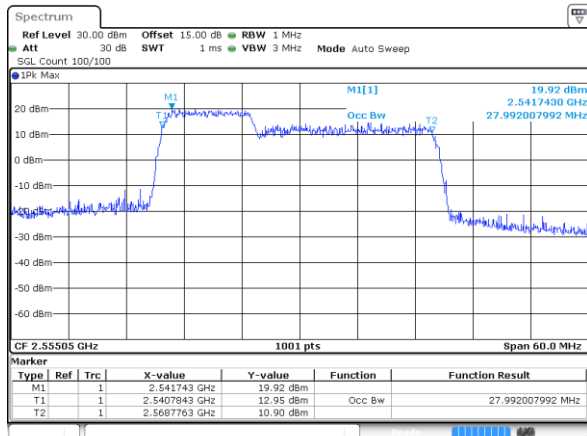
Date: 5 NOV 2021 17:51:41

## Middle Channel / 15MHz+10MHz



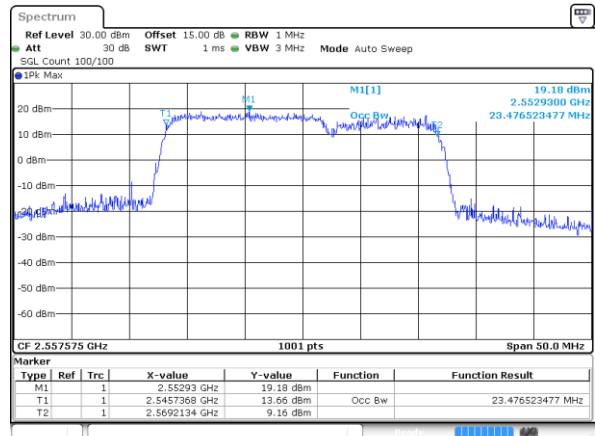
Date: 7 NOV 2021 08:55:31

## Highest Channel / 10MHz+20MHz



Date: 5 NOV 2021 18:06:43

## Highest Channel / 15MHz+10MHz



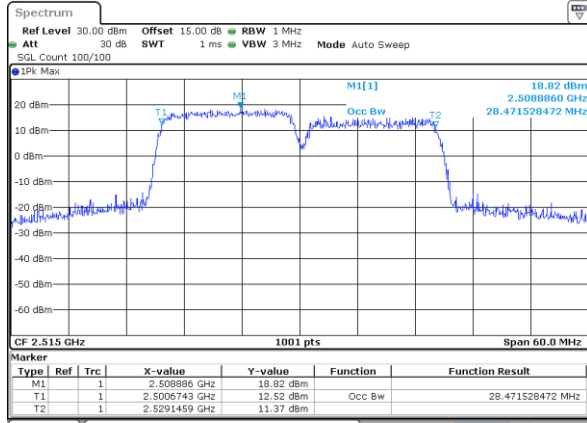
Date: 7 NOV 2021 09:12:04



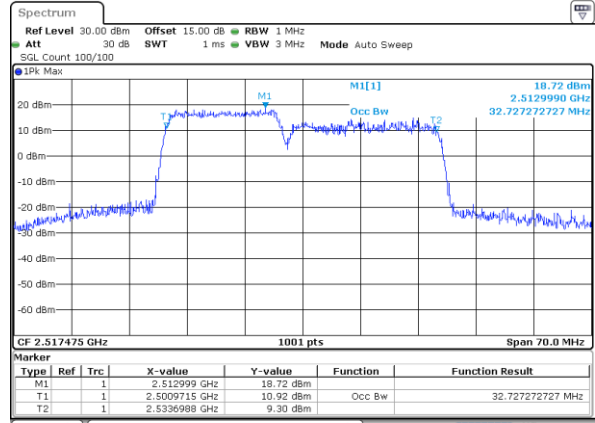
## LTE Band 7C

## 16QAM

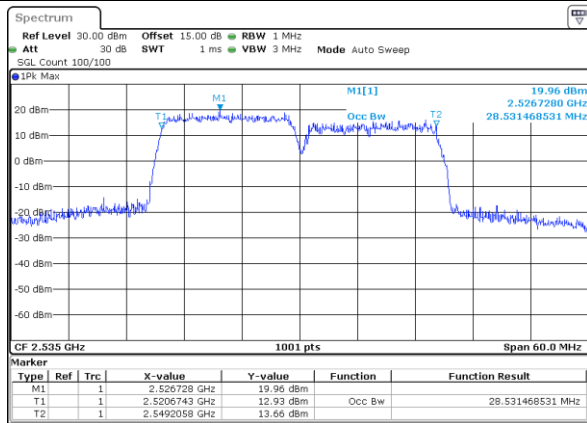
## Lowest Channel / 15MHz+15MHz



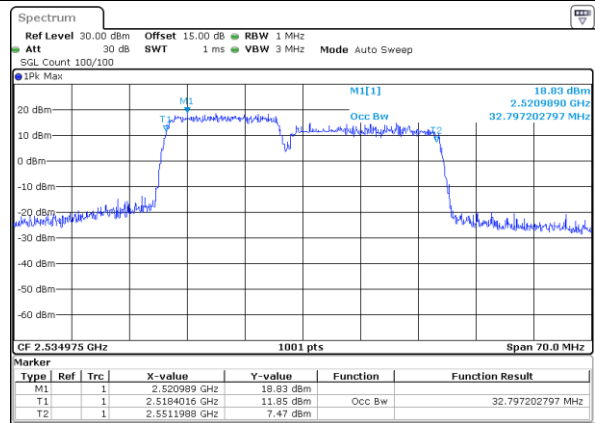
## Lowest Channel / 15MHz+20MHz



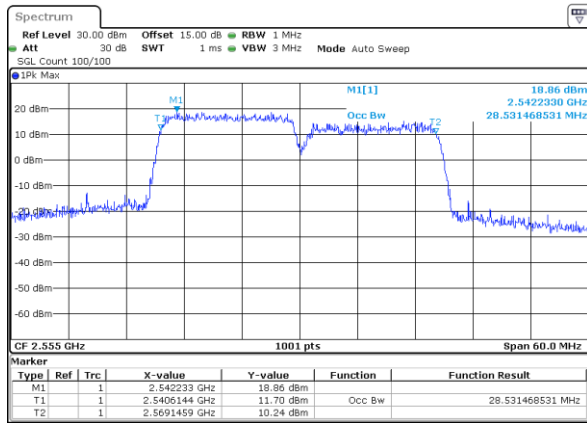
## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz



## Highest Channel / 15MHz+15MHz



## Highest Channel / 15MHz+20MHz

