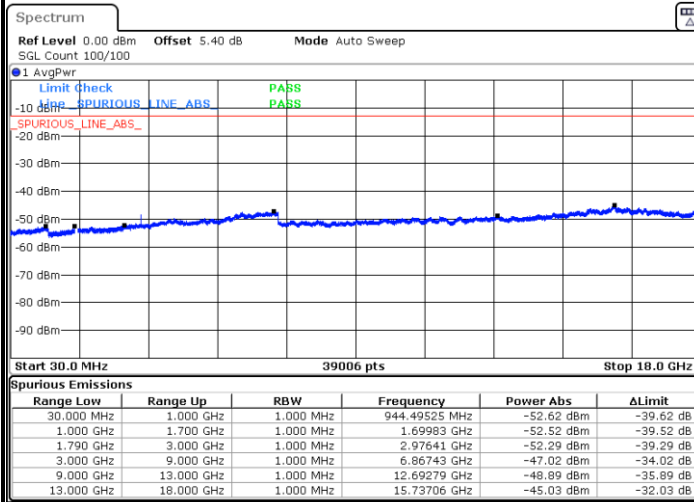




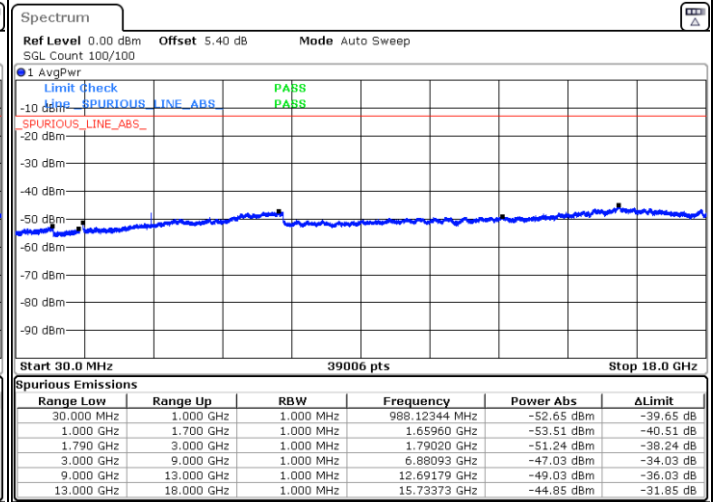
## LTE Band 66 / 5MHz

## Lowest Channel / QPSK



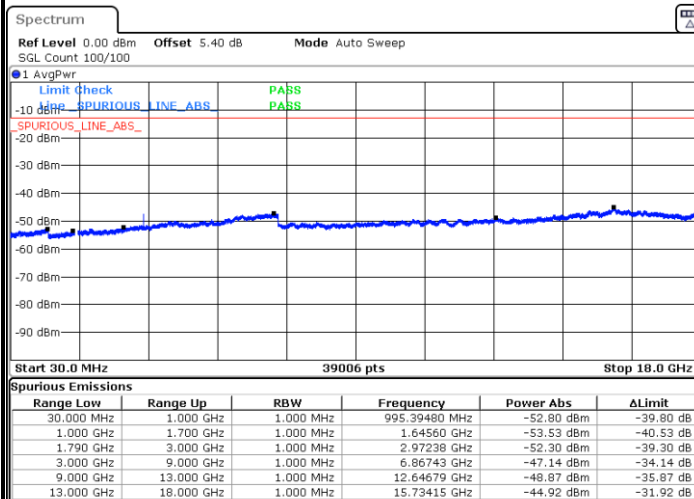
Date: 25.JUL.2020 05:35:22

## Lowest Channel / 16QAM



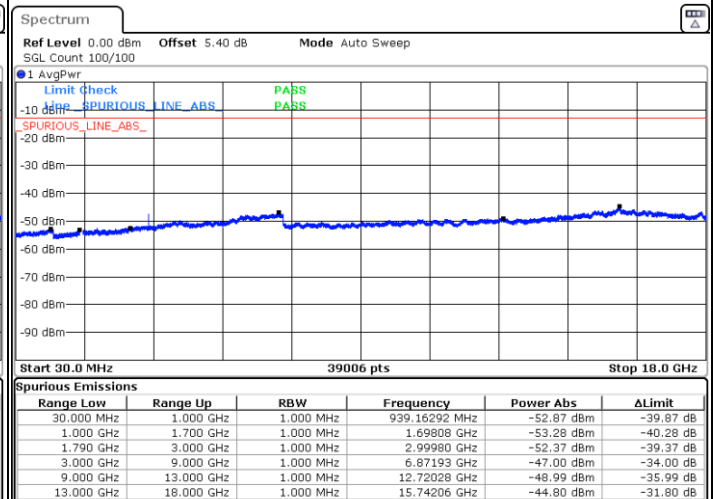
Date: 25.JUL.2020 05:48:01

## Middle Channel / QPSK



Date: 25.JUL.2020 05:39:48

## Middle Channel / 16QAM

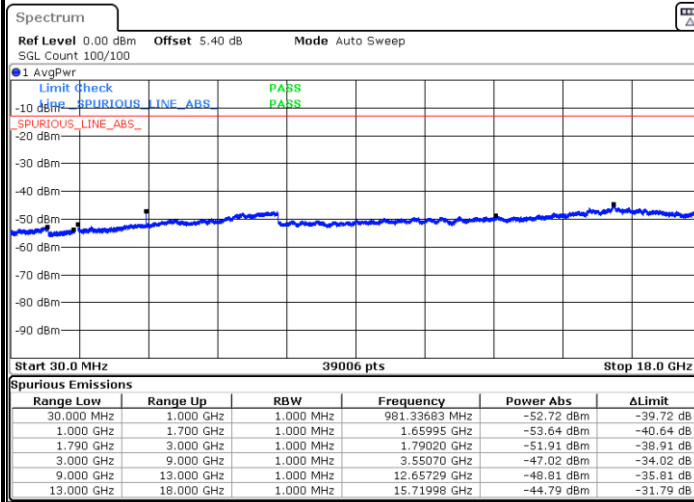


Date: 25.JUL.2020 05:41:42



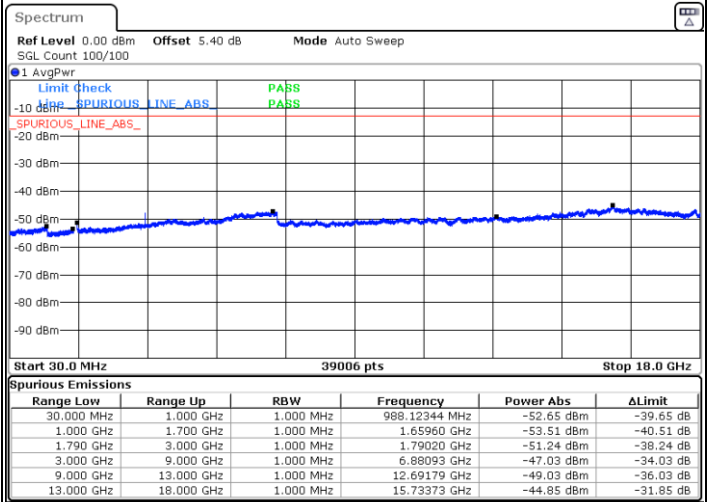
## LTE Band 66 / 5MHz

## Highest Channel / QPSK



Date: 25.JUL.2020 05:47:13

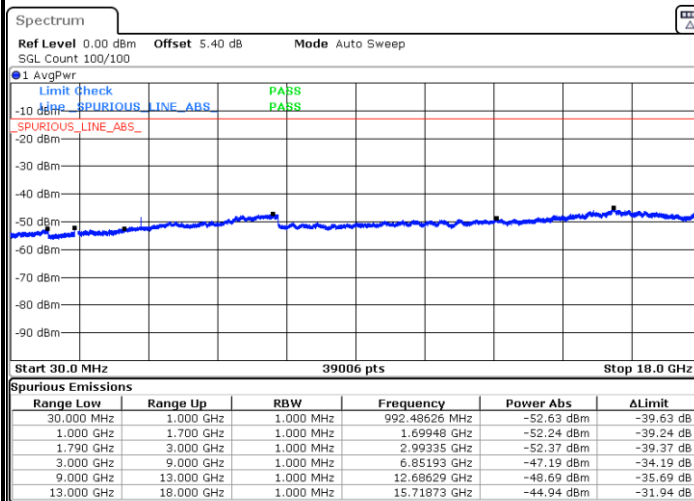
## Highest Channel / 16QAM



Date: 25.JUL.2020 05:48:01

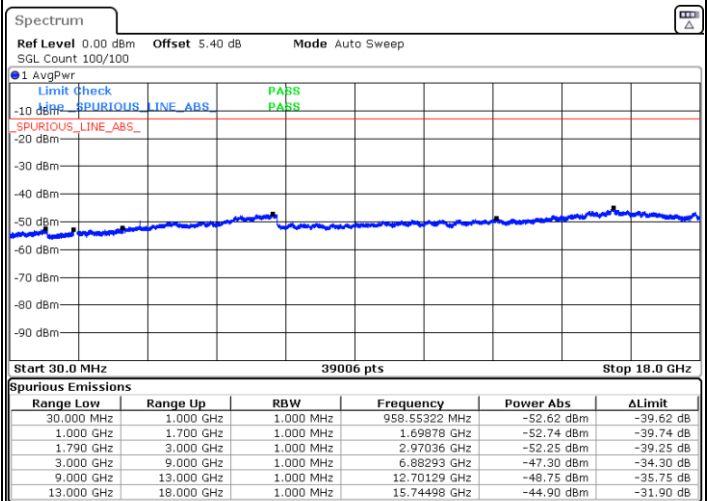
## LTE Band 66 / 10MHz

## Lowest Channel / QPSK



Date: 25.JUL.2020 05:53:27

## Lowest Channel / 16QAM

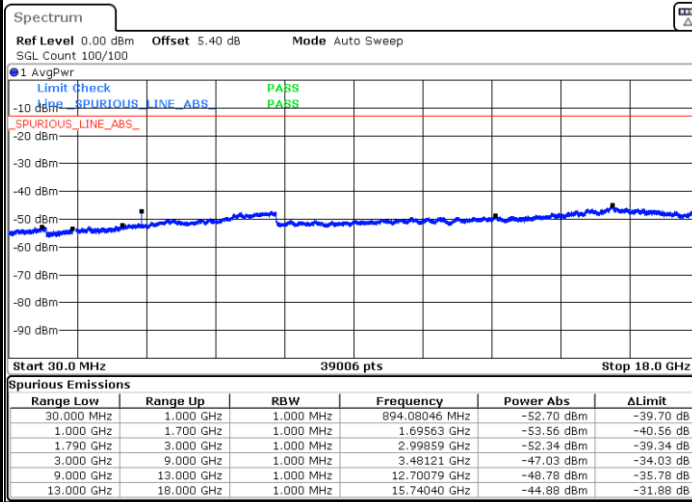


Date: 25.JUL.2020 05:54:20



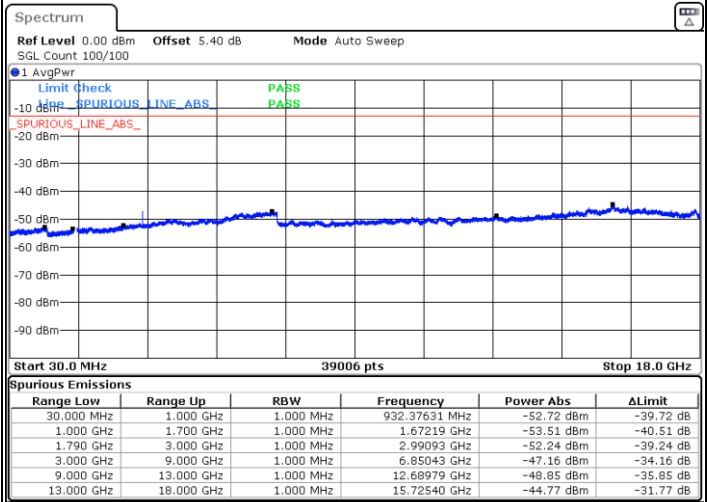
## LTE Band 66 / 10MHz

## Middle Channel / QPSK



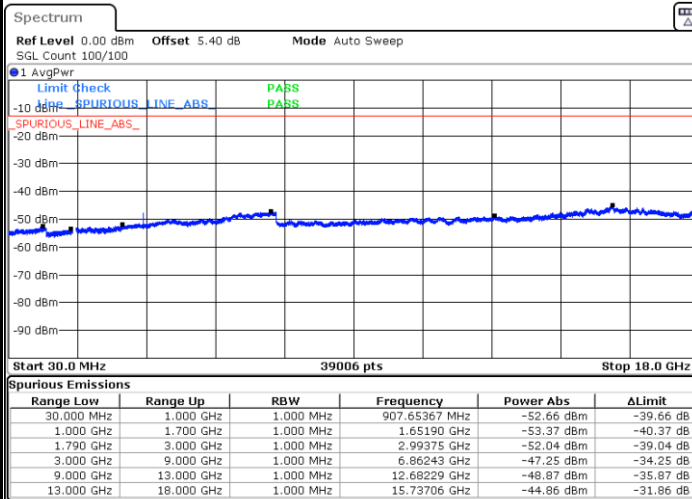
Date: 25.JUL.2020 05:56:38

## Middle Channel / 16QAM



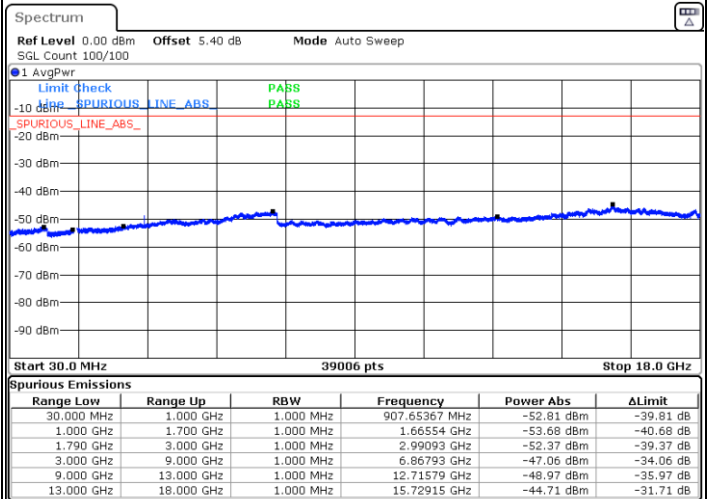
Date: 25.JUL.2020 05:57:23

## Highest Channel / QPSK



Date: 25.JUL.2020 06:03:10

## Highest Channel / 16QAM

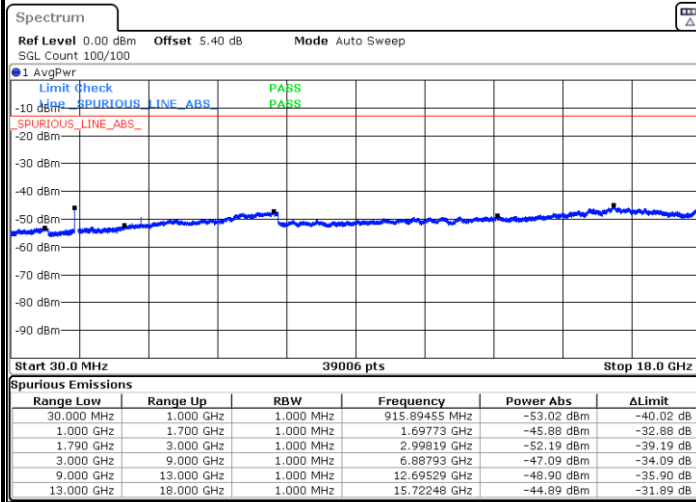


Date: 25.JUL.2020 06:03:50



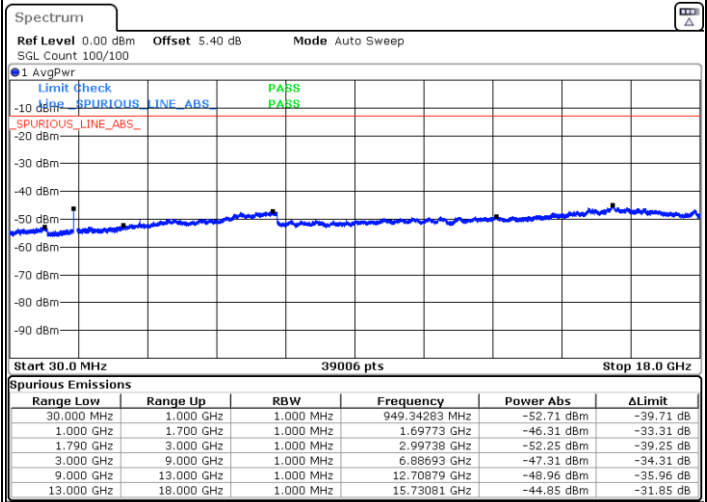
## LTE Band 66 / 15MHz

## Lowest Channel / QPSK



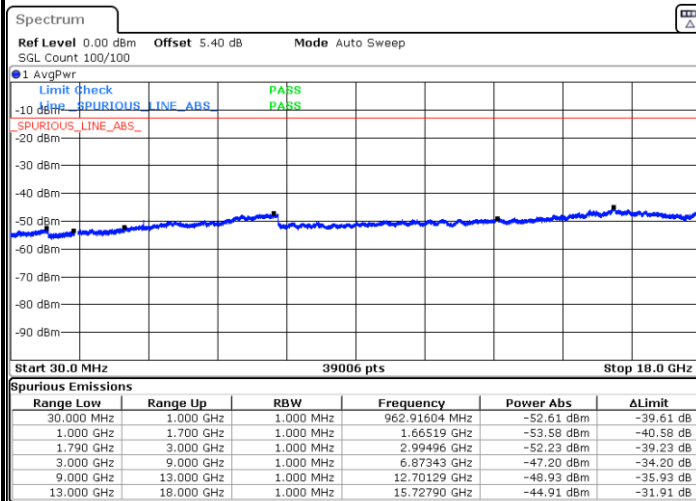
Date: 25.JUL.2020 06:07:51

## Lowest Channel / 16QAM



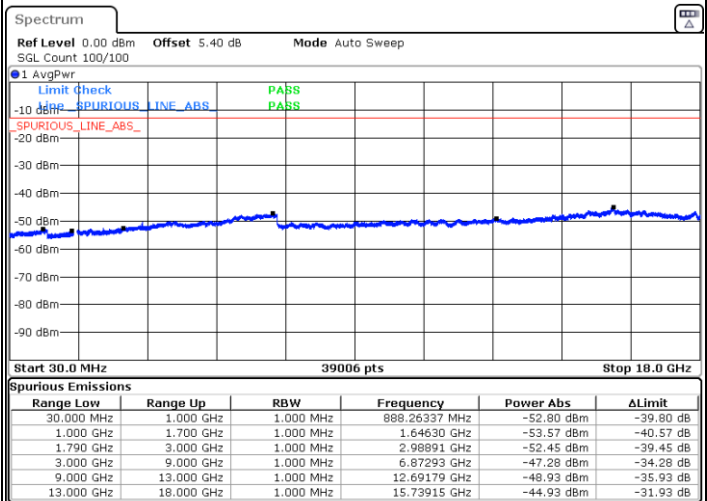
Date: 25.JUL.2020 06:08:50

## Middle Channel / QPSK



Date: 25.JUL.2020 06:12:26

## Middle Channel / 16QAM

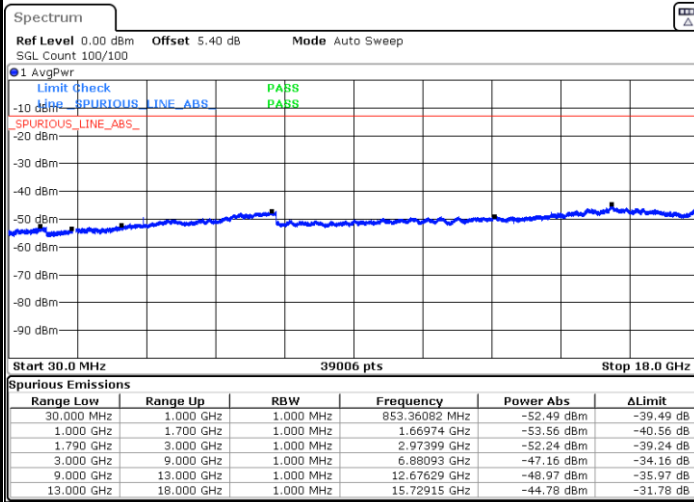


Date: 25.JUL.2020 06:13:07



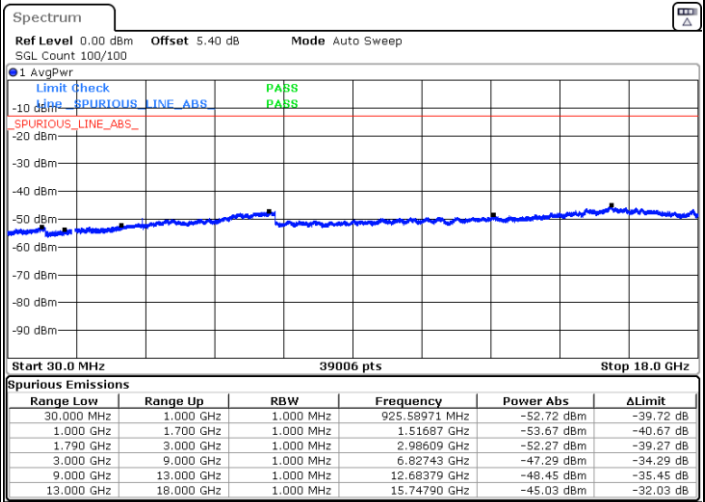
## LTE Band 66 / 15MHz

## Highest Channel / QPSK



Date: 25.JUL.2020 06:14:55

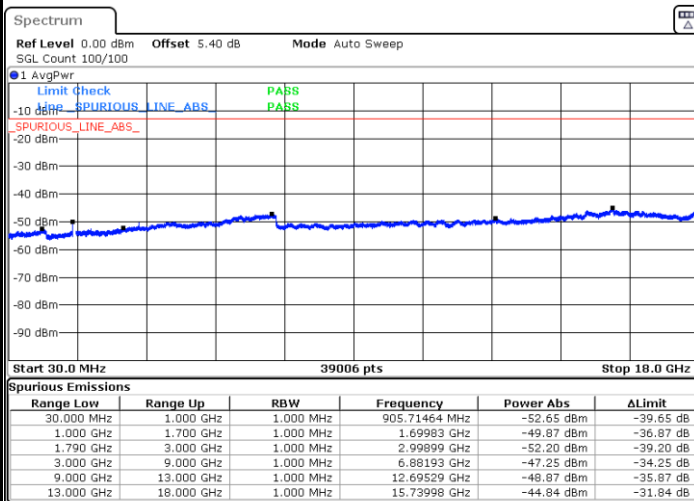
## Highest Channel / 16QAM



Date: 25.JUL.2020 06:15:36

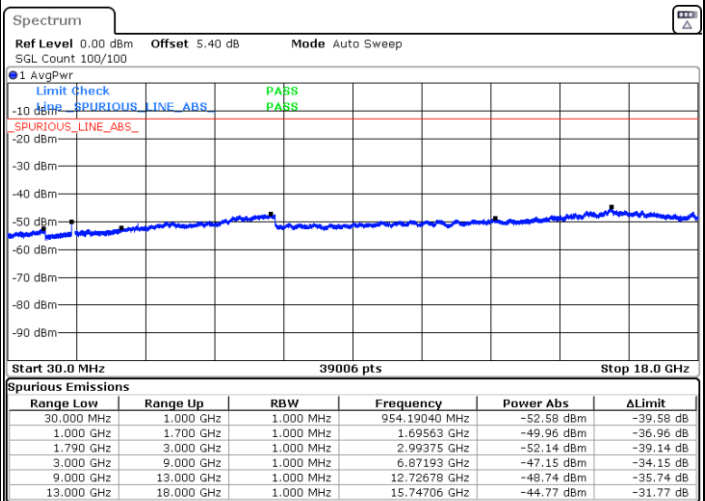
## LTE Band 66 / 20MHz

## Lowest Channel / QPSK



Date: 25.JUL.2020 06:23:35

## Lowest Channel / 16QAM

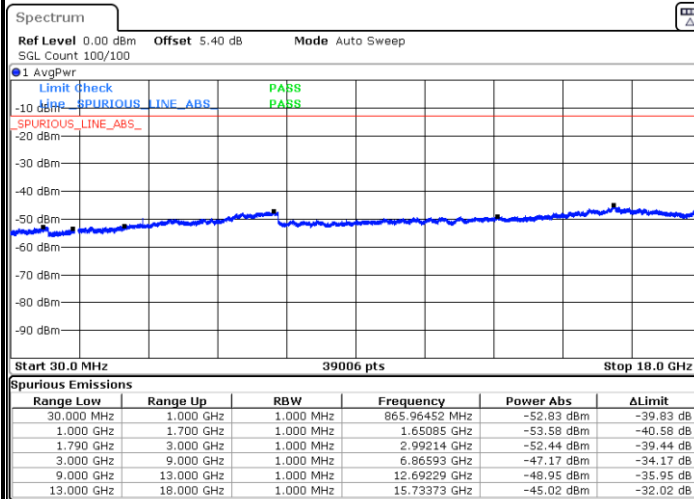


Date: 25.JUL.2020 06:24:53



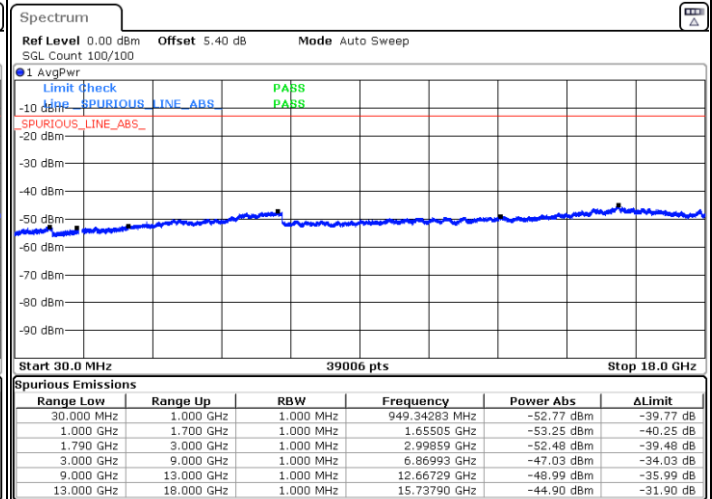
## LTE Band 66 / 20MHz

## Middle Channel / QPSK



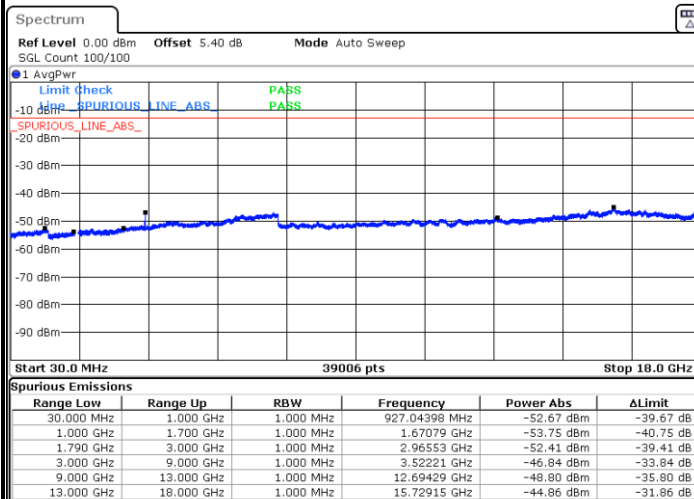
Date: 25.JUL.2020 06:27:51

## Middle Channel / 16QAM



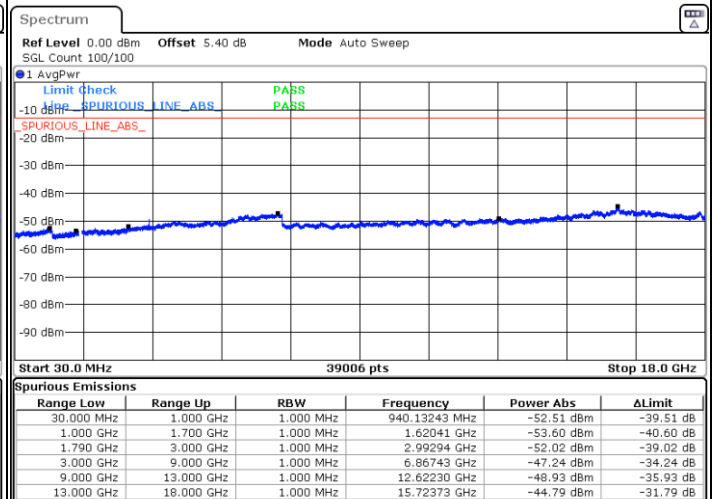
Date: 25.JUL.2020 06:29:55

## Highest Channel / QPSK



Date: 25.JUL.2020 06:39:49

## Highest Channel / 16QAM

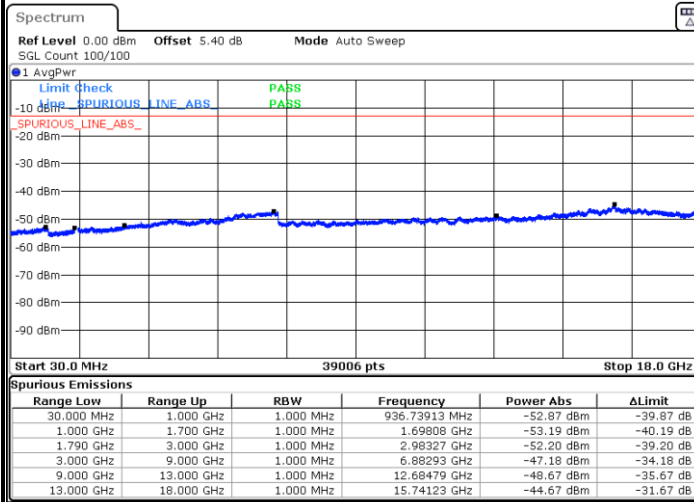


Date: 25.JUL.2020 06:40:47



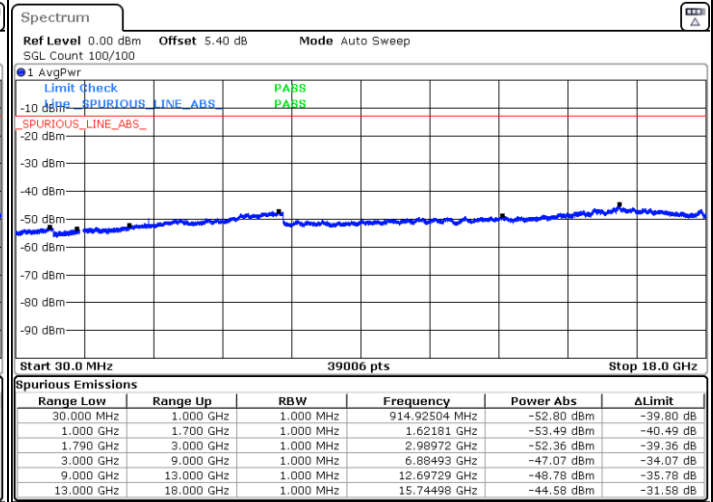
## LTE Band 66 / 1.4MHz

## Lowest Channel / 64QAM



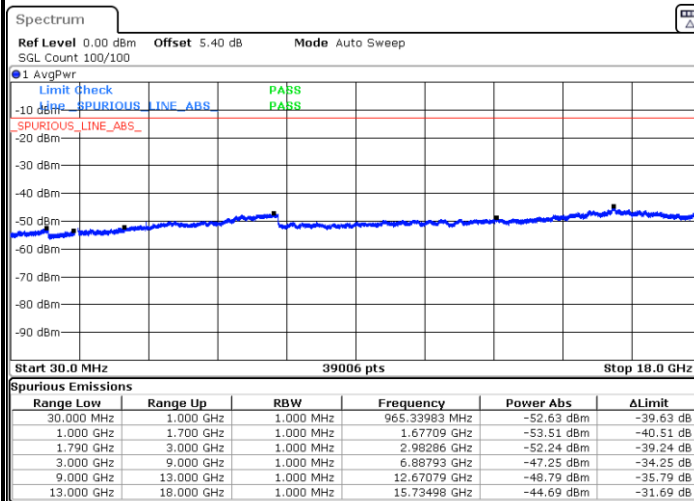
Date: 25.JUL.2020 04:47:19

## Middle Channel / 64QAM



Date: 25.JUL.2020 04:51:35

## Highest Channel / 64QAM

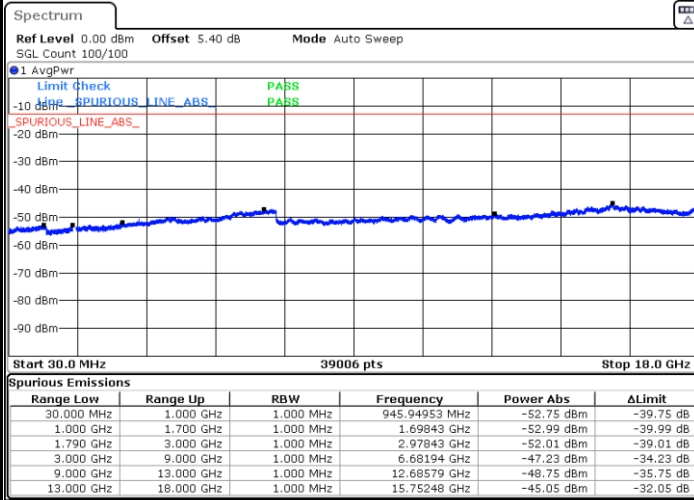


Date: 25.JUL.2020 05:07:55



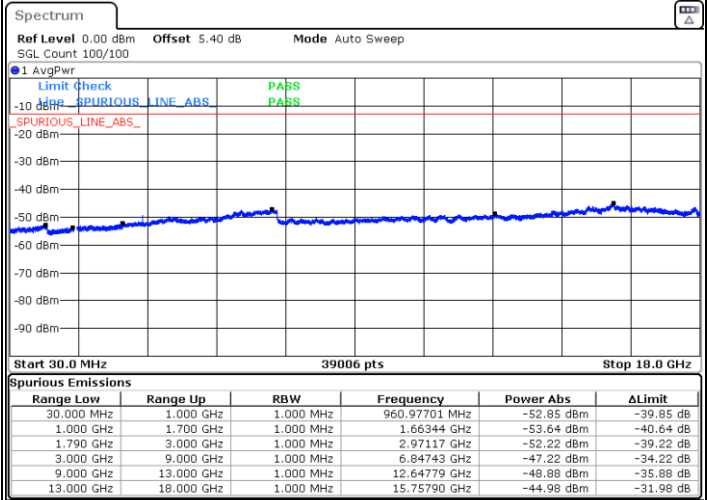
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM



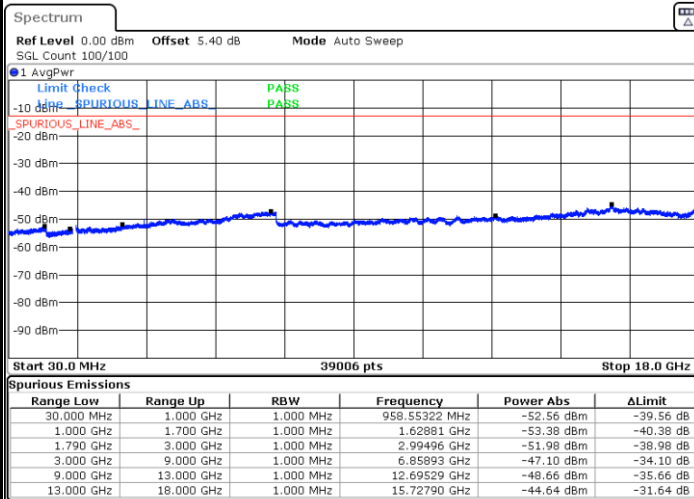
Date: 25.JUL.2020 05:18:18

## Middle Channel / 64QAM



Date: 25.JUL.2020 05:22:59

## Highest Channel / 64QAM

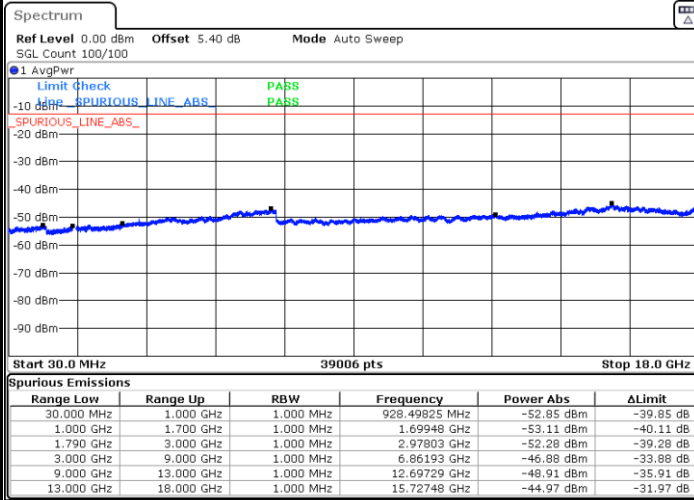


Date: 25.JUL.2020 05:29:40



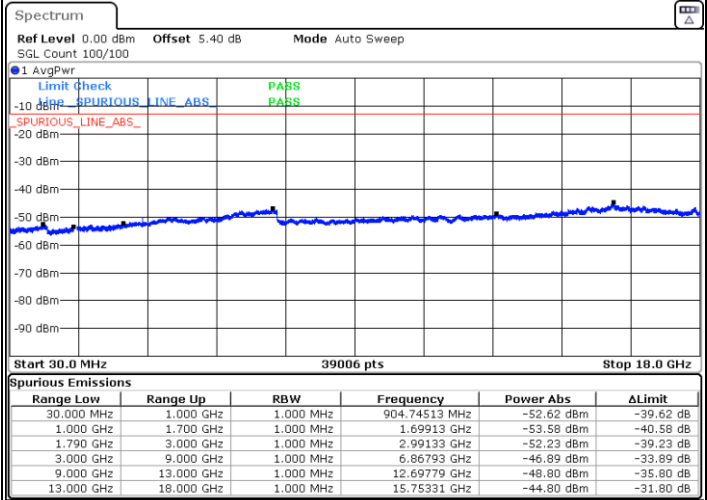
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



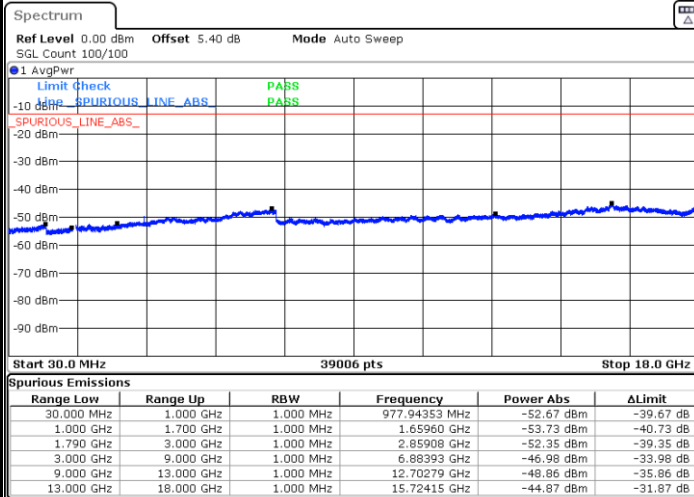
Date: 25.JUL.2020 05:37:25

## Middle Channel / 64QAM



Date: 25.JUL.2020 05:42:32

## Highest Channel / 64QAM

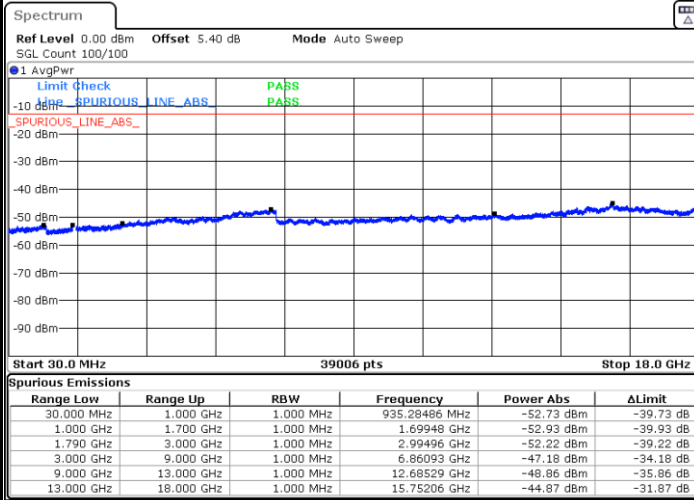


Date: 25.JUL.2020 05:48:58



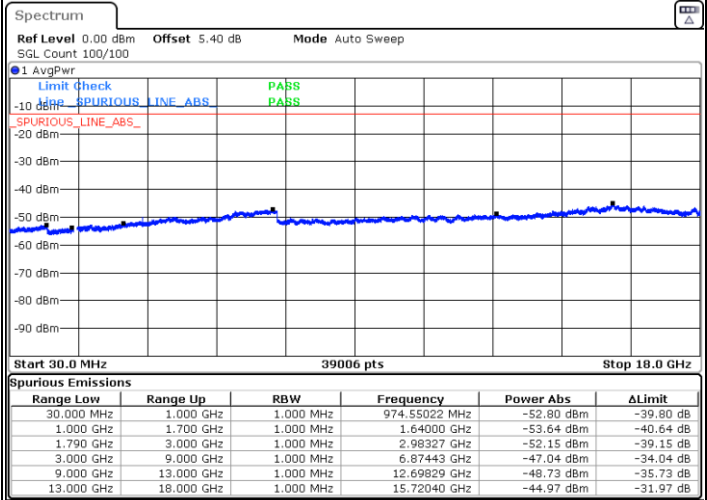
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



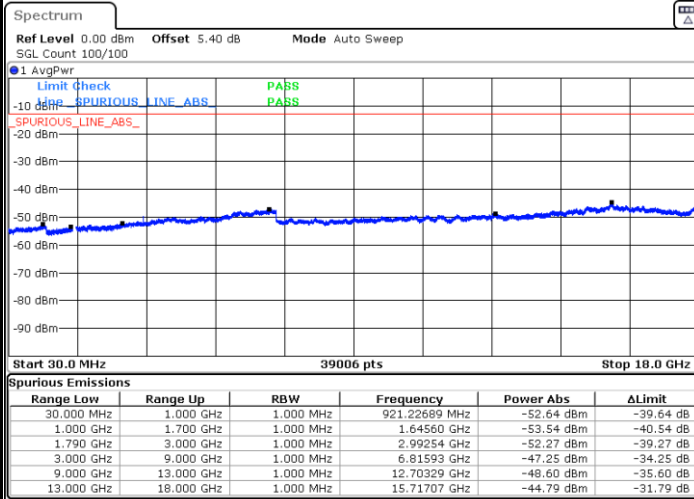
Date: 25.JUL.2020 05:52:34

## Middle Channel / 64QAM



Date: 25.JUL.2020 05:58:14

## Highest Channel / 64QAM

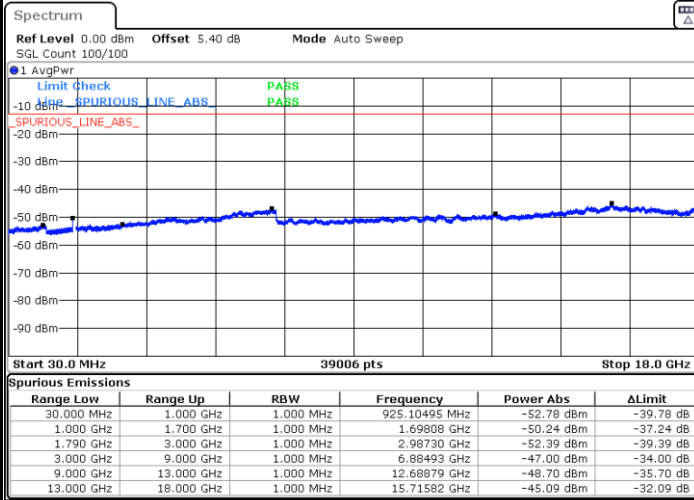


Date: 25.JUL.2020 06:02:27



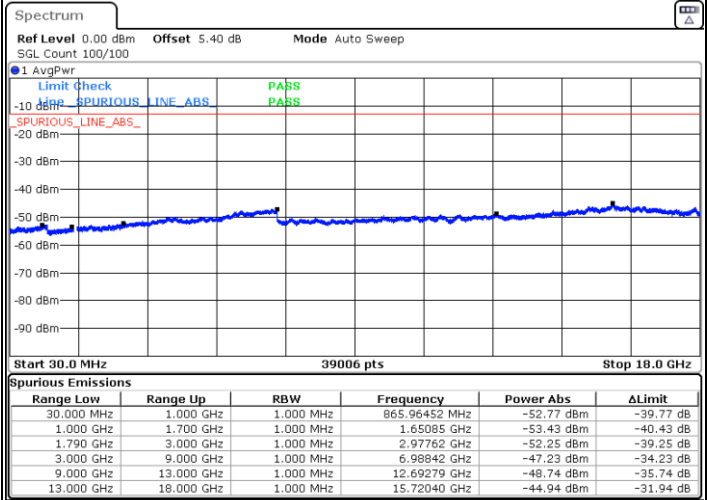
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



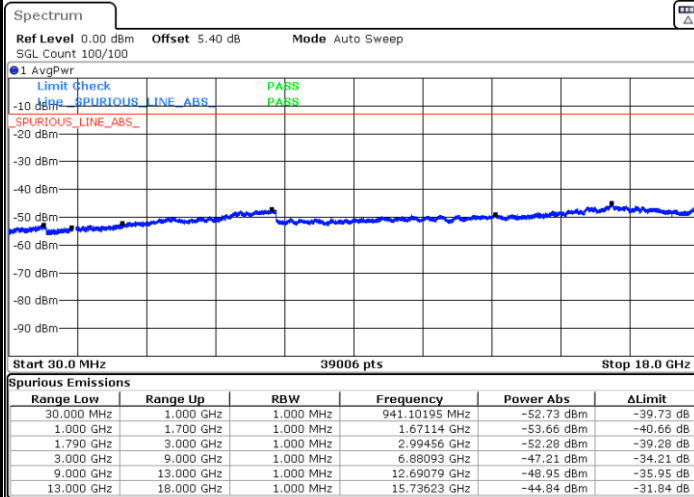
Date: 25.JUL.2020 06:09:42

## Middle Channel / 64QAM



Date: 25.JUL.2020 06:13:50

## Highest Channel / 64QAM

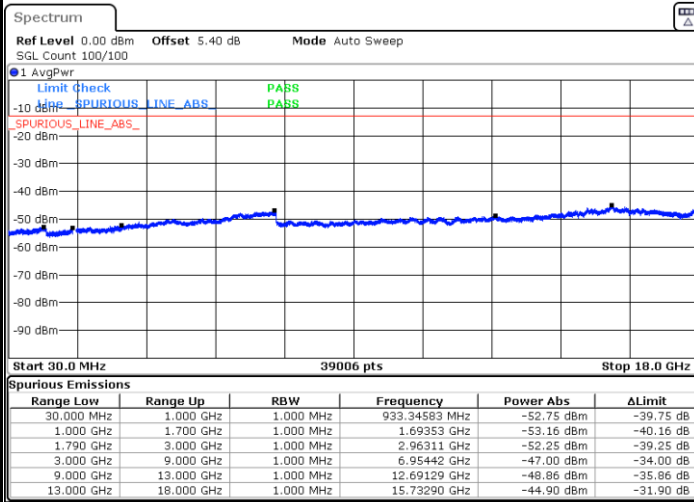


Date: 25.JUL.2020 06:16:17



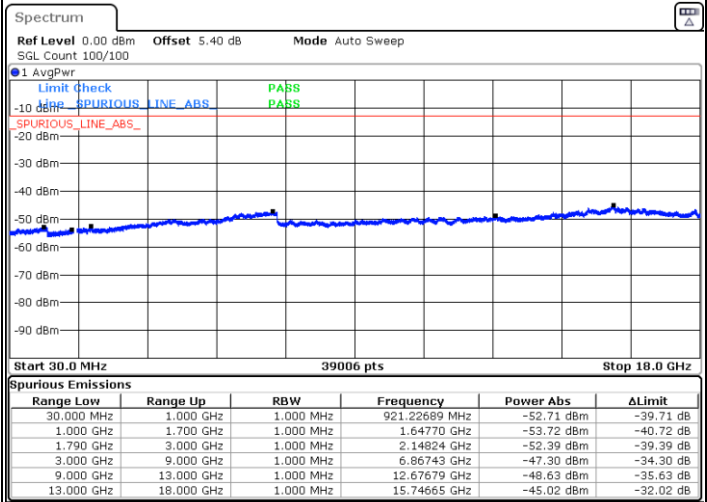
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



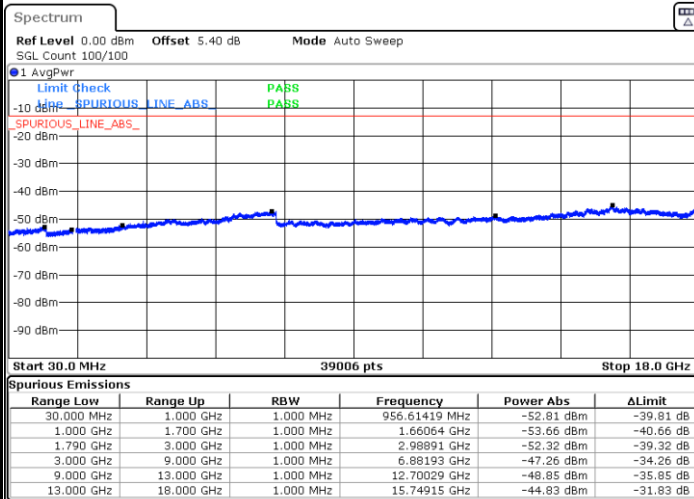
Date: 25.JUL.2020 06:26:15

## Middle Channel / 64QAM



Date: 25.JUL.2020 06:30:48

## Highest Channel / 64QAM



Date: 25.JUL.2020 06:41:43

## 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    | 0.0009                              | PASS    |
| 40               | Normal Voltage    | 0.0021                              |         |
| 30               | Normal Voltage    | 0.0039                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0040                              |         |
| 0                | Normal Voltage    | 0.0031                              |         |
| -10              | Normal Voltage    | 0.0008                              |         |
| -20              | Normal Voltage    | 0.0025                              |         |
| -30              | Normal Voltage    | 0.0033                              |         |
| 20               | Maximum Voltage   | 0.0042                              |         |
| 20               | Normal Voltage    | 0.0020                              |         |
| 20               | Battery End Point | 0.0015                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5B CA

**26dB Bandwidth**

| Mode       | LTE Band 5B : 26dB BW(MHz) |             |            |
|------------|----------------------------|-------------|------------|
| QPSK       |                            |             |            |
| BW         | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 8.12                       | 8.12        | 14.63      |
| Middle CH  | 8.12                       | 8.09        | 14.57      |
| Highest CH | 8.10                       | 8.14        | 14.54      |
| BW         | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Lowest CH  | 14.63                      | 19.62       | -          |
| Middle CH  | 14.57                      | 19.66       | -          |
| Highest CH | 14.60                      | 19.58       | -          |

| Mode       | LTE Band 5B : 26dB BW(MHz) |             |            |
|------------|----------------------------|-------------|------------|
| 16QAM      |                            |             |            |
| BW         | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 8.12                       | 8.14        | 14.57      |
| Middle CH  | 8.12                       | 8.18        | 14.54      |
| Highest CH | 8.09                       | 8.20        | 14.51      |
| BW         | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Lowest CH  | 14.63                      | 19.58       | -          |
| Middle CH  | 14.54                      | 19.66       | -          |
| Highest CH | 14.78                      | 19.54       | -          |

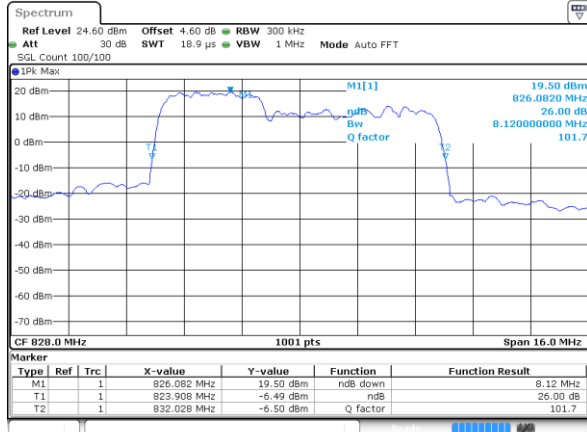
| Mode       | LTE Band 5B : 26dB BW(MHz) |             |            |
|------------|----------------------------|-------------|------------|
| 64QAM      |                            |             |            |
| BW         | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 8.07                       | 8.20        | 14.60      |
| Middle CH  | 8.06                       | 8.14        | 14.57      |
| Highest CH | 8.10                       | 8.15        | 14.60      |
| BW         | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Lowest CH  | 14.69                      | 19.62       | -          |
| Middle CH  | 14.63                      | 19.50       | -          |
| Highest CH | 14.57                      | 19.62       | -          |



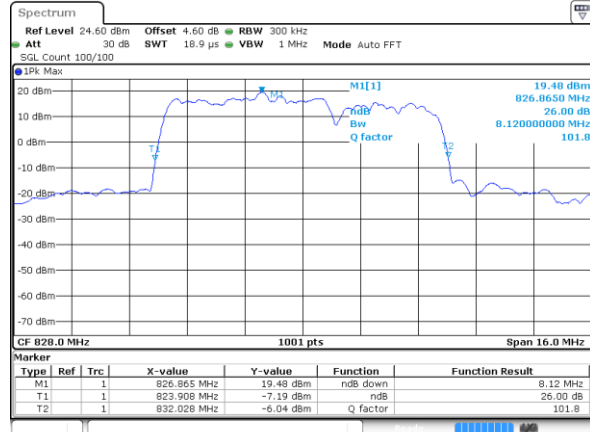
## LTE Band 5B

## QPSK

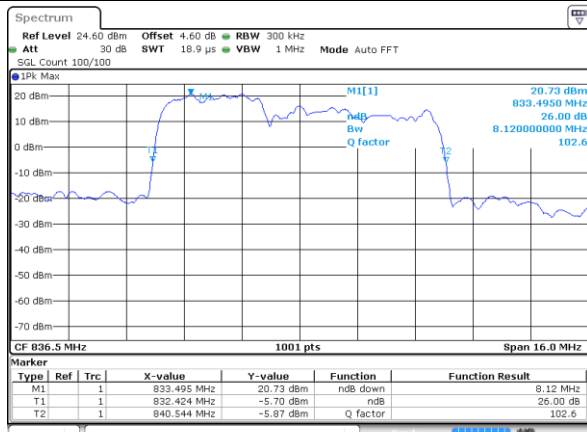
## Lowest Channel / 3MHz+5MHz



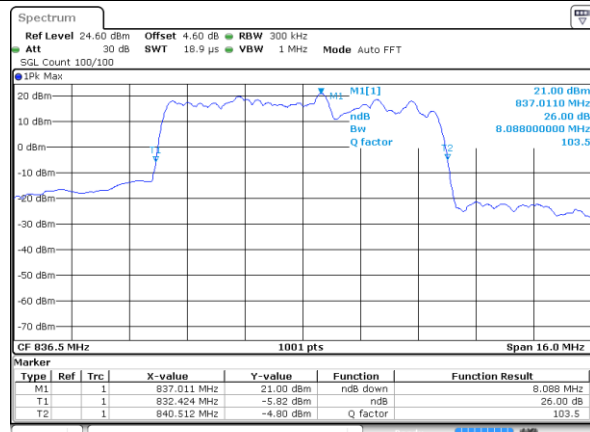
## Lowest Channel / 5MHz+3MHz



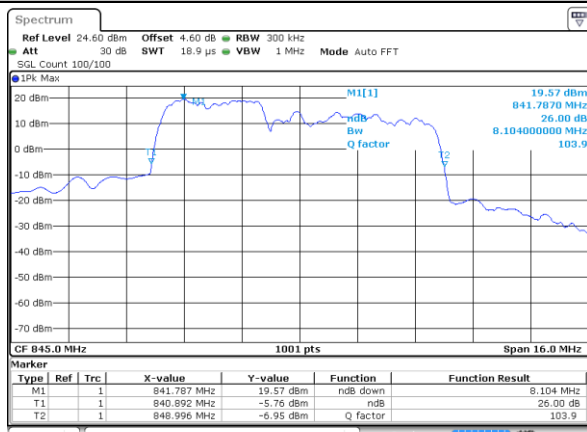
## Middle Channel / 3MHz+5MHz



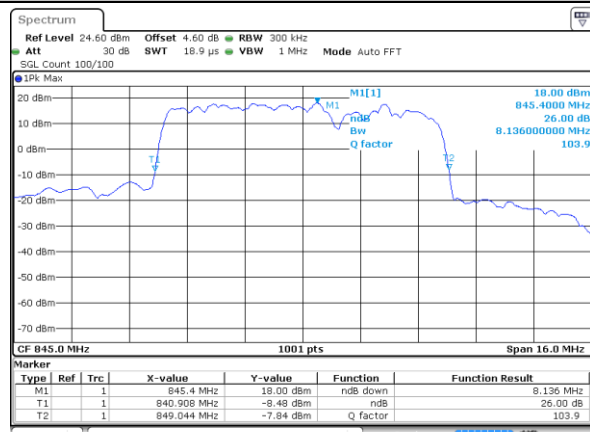
## Middle Channel / 5MHz+3MHz



## Highest Channel / 3MHz+5MHz



## Highest Channel / 5MHz+3MHz

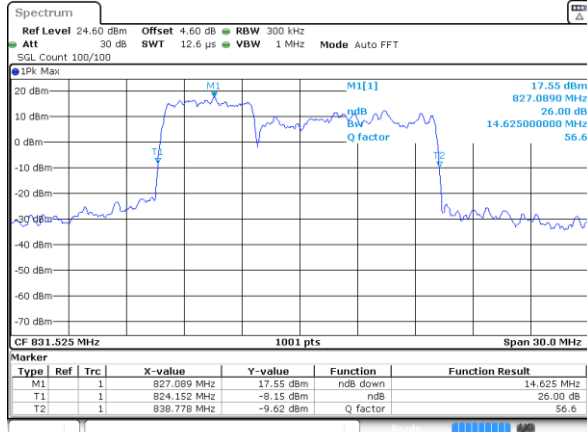




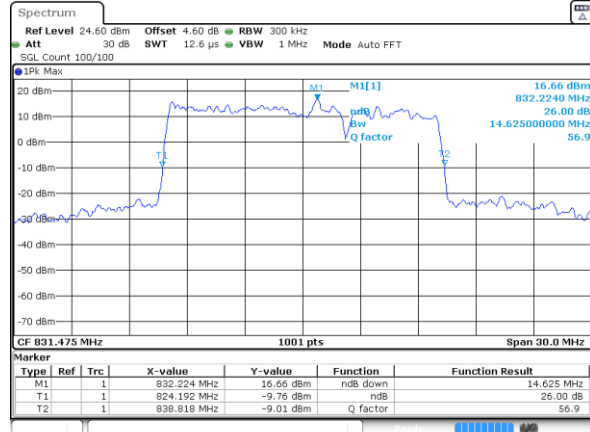
## LTE Band 5B

## QPSK

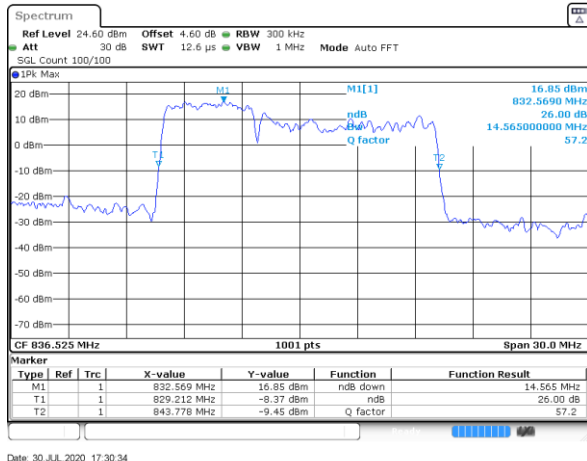
## Lowest Channel / 5MHz+10MHz



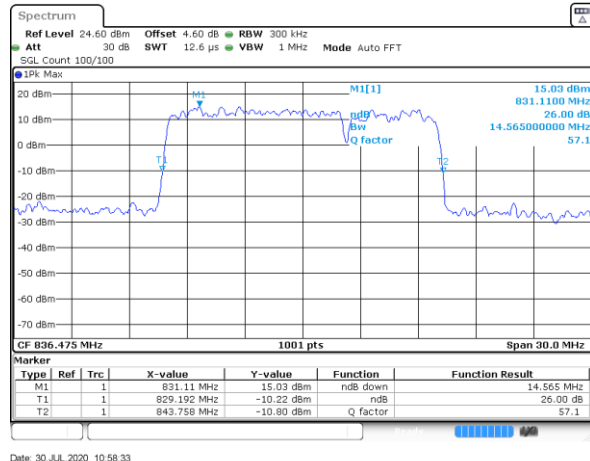
## Lowest Channel / 10MHz+5MHz



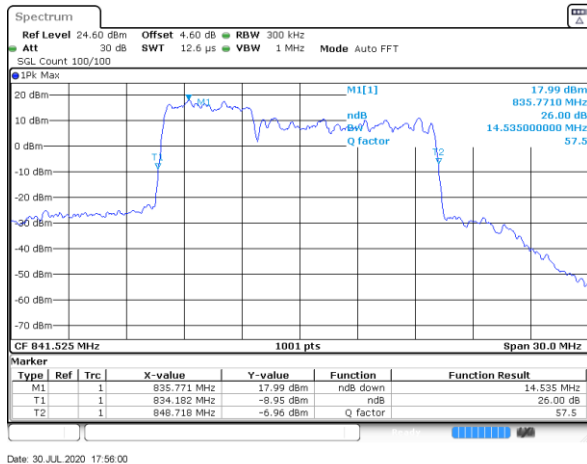
## Middle Channel / 5MHz+10MHz



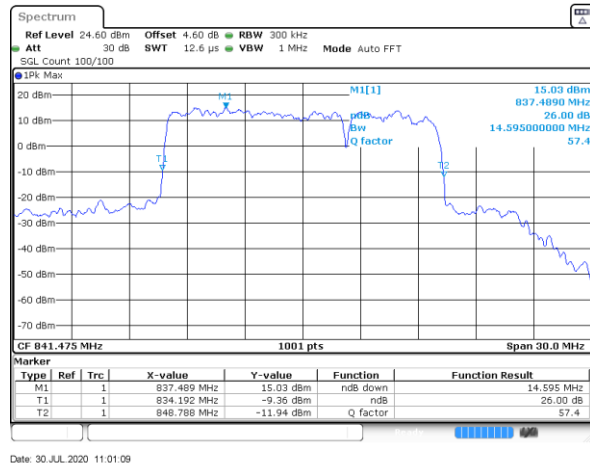
## Middle Channel / 10MHz+5MHz



## Highest Channel / 5MHz+10MHz



## Highest Channel / 10MHz+5MHz



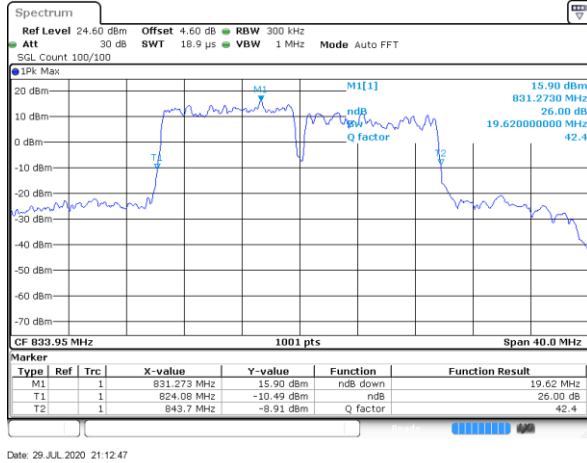


## LTE Band 5B

## QPSK

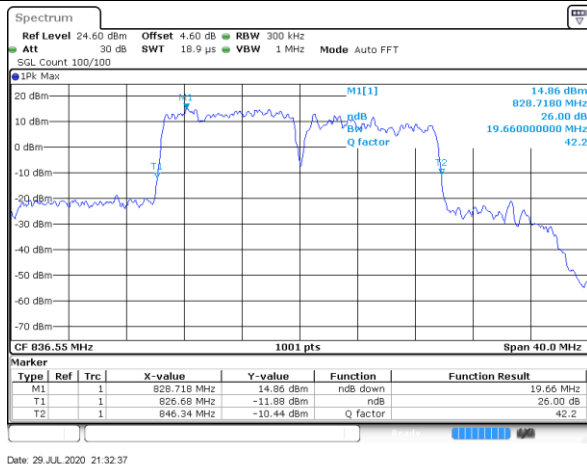
## Lowest Channel / 10MHz+10MHz

N/A



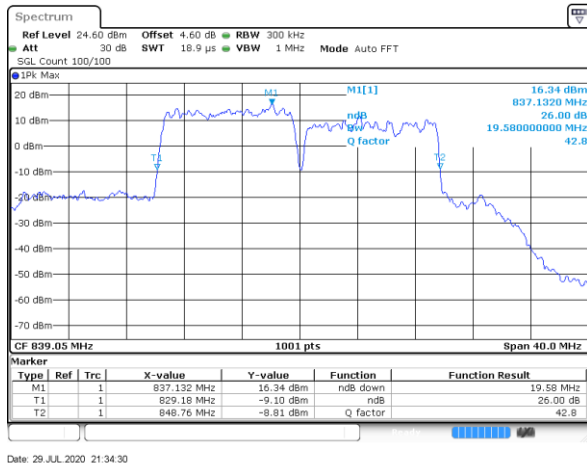
## Middle Channel / 10MHz+10MHz

N/A



## Highest Channel / 10MHz+10MHz

N/A

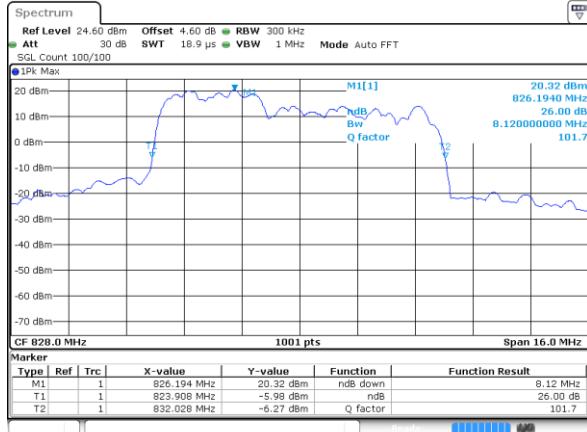




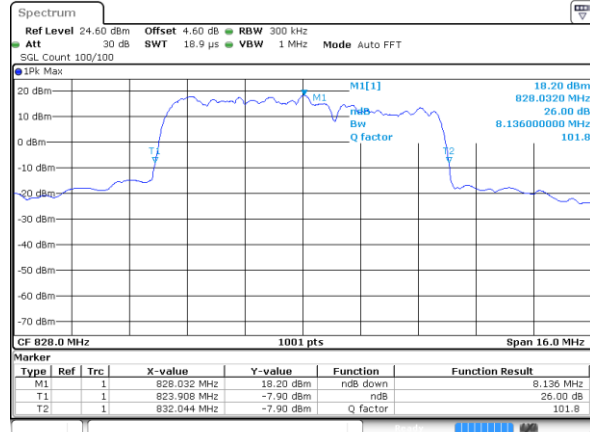
## LTE Band 5B

## 16QAM

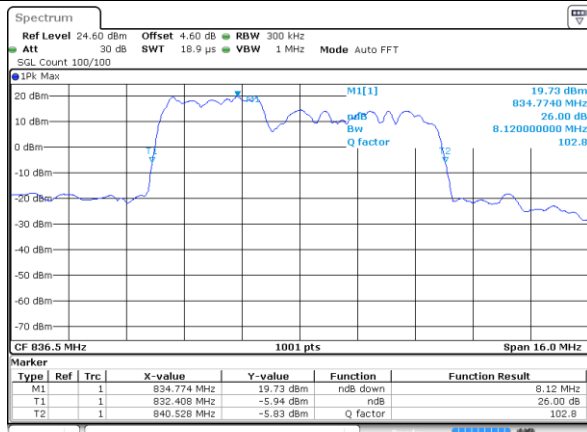
## Lowest Channel / 3MHz+5MHz



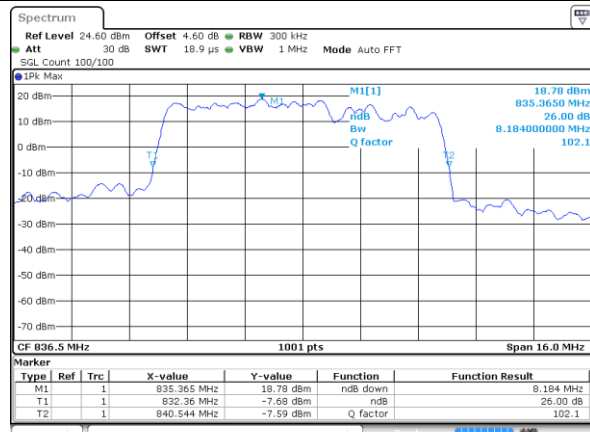
## Lowest Channel / 5MHz+3MHz



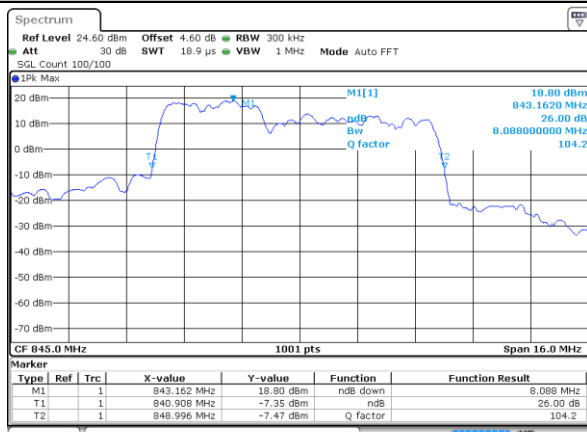
## Middle Channel / 3MHz+5MHz



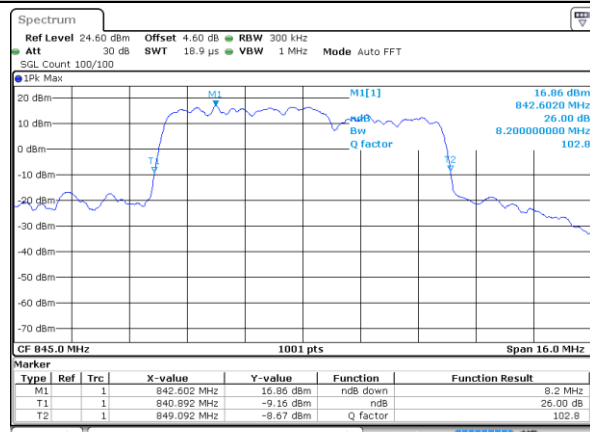
## Middle Channel / 5MHz+3MHz



## Highest Channel / 3MHz+5MHz



## Highest Channel / 5MHz+3MHz

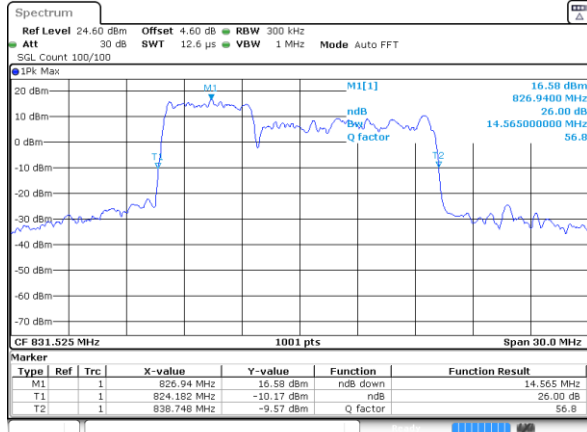




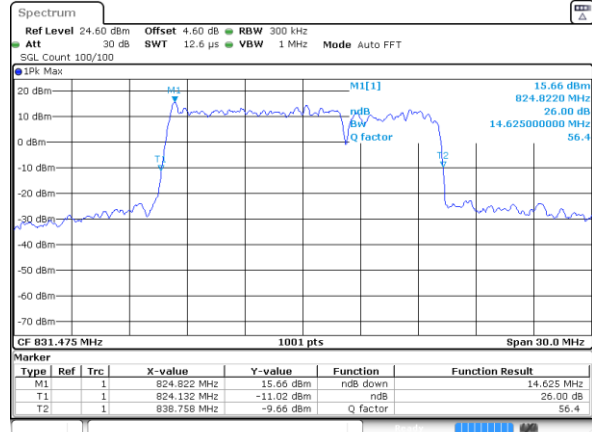
## LTE Band 5B

## 16QAM

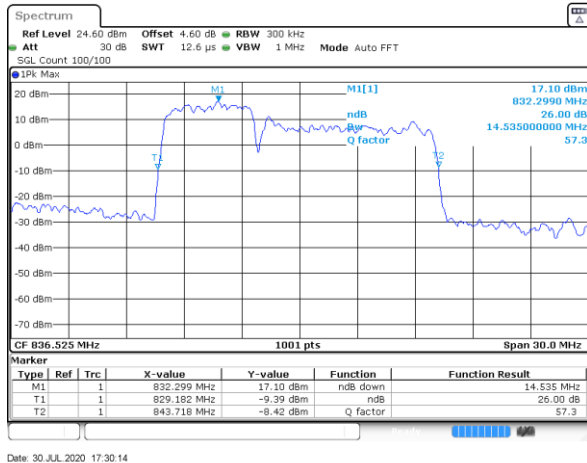
## Lowest Channel / 5MHz+10MHz



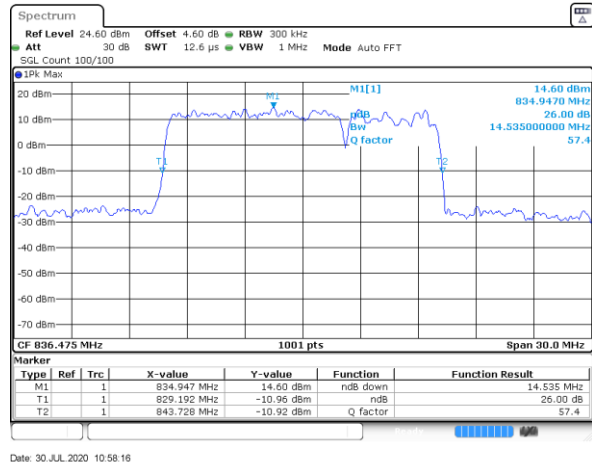
## Lowest Channel / 10MHz+5MHz



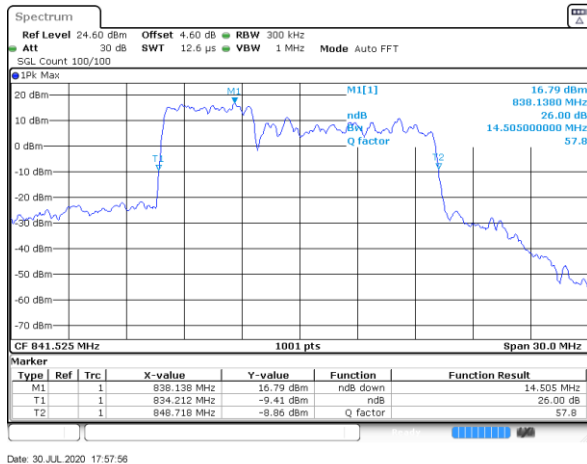
## Middle Channel / 5MHz+10MHz



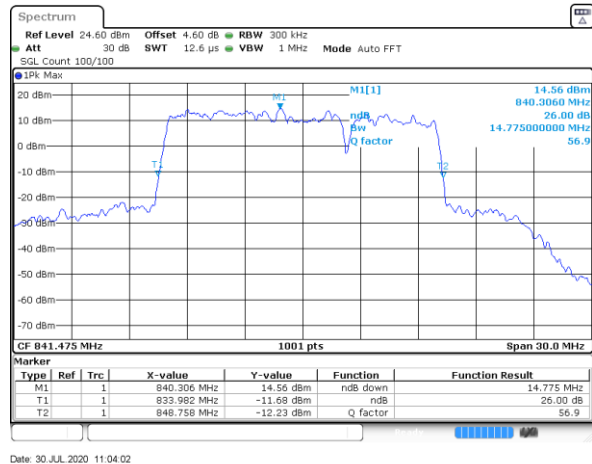
## Middle Channel / 10MHz+5MHz



## Highest Channel / 5MHz+10MHz



## Highest Channel / 10MHz+5MHz



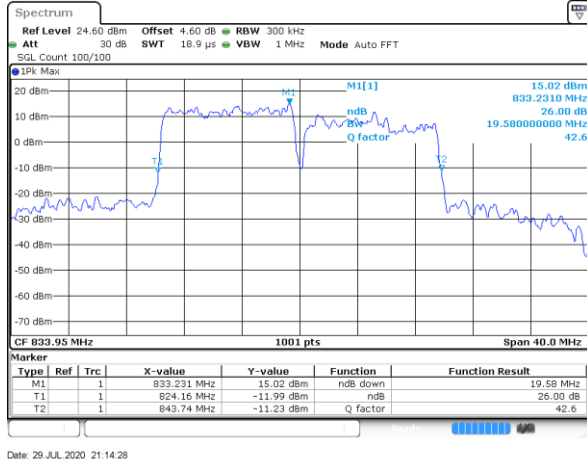


LTE Band 5B

16QAM

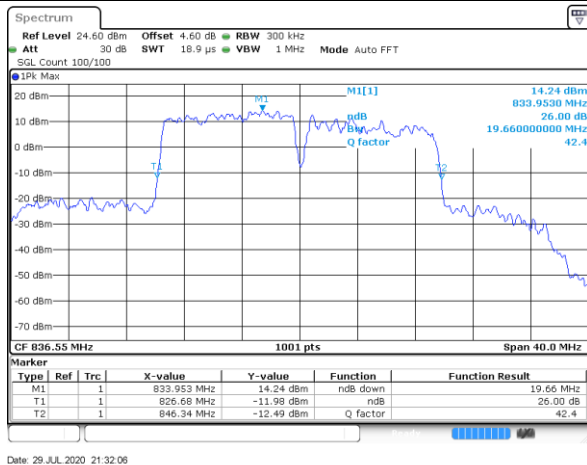
Lowest Channel / 10MHz+10MHz

N/A



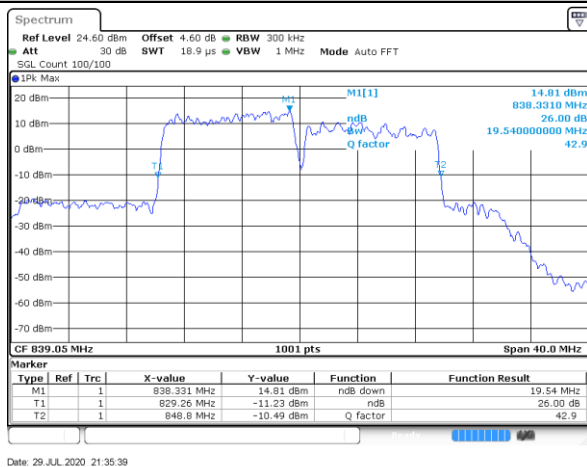
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

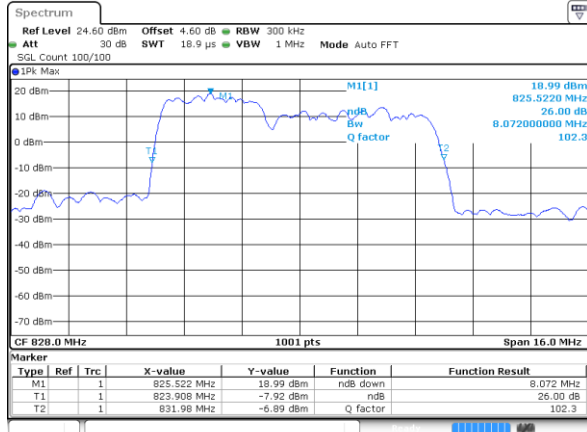




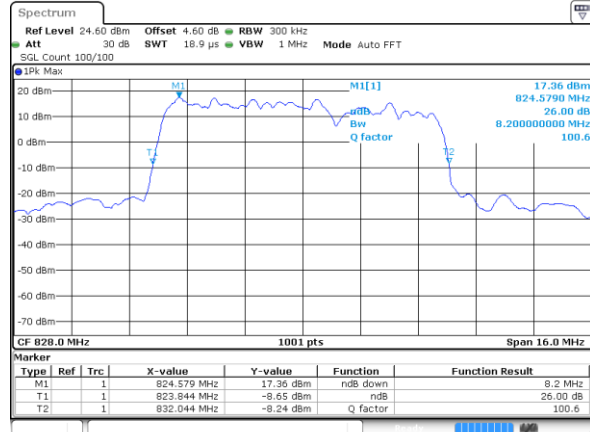
## LTE Band 5B

## 64QAM

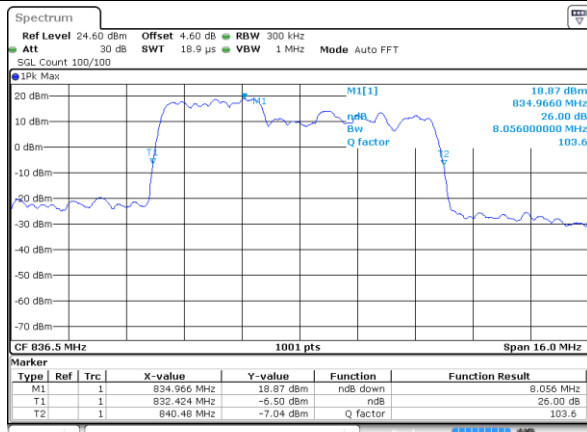
## Lowest Channel / 3MHz+5MHz



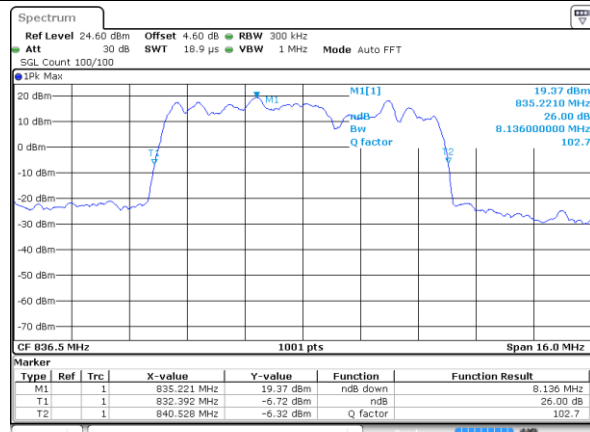
## Lowest Channel / 5MHz+3MHz



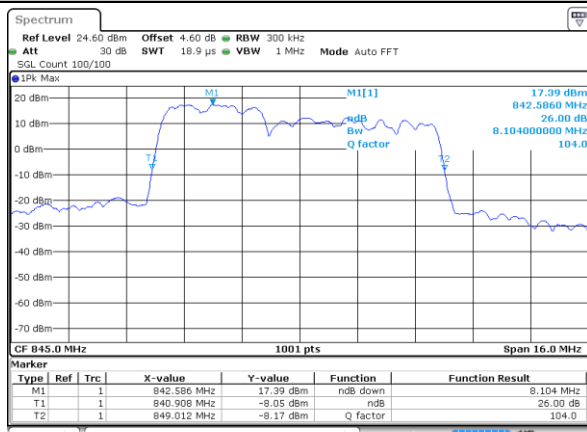
## Middle Channel / 3MHz+5MHz



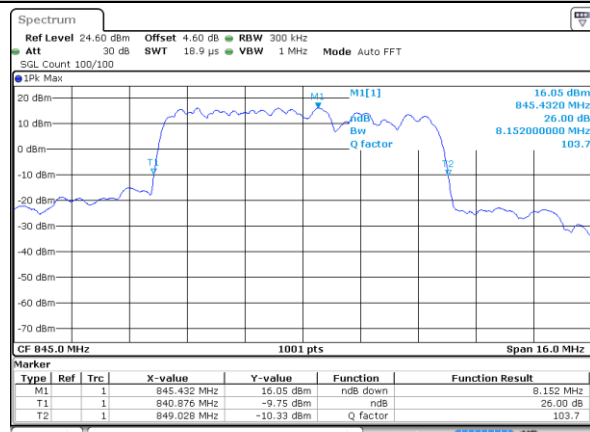
## Middle Channel / 5MHz+3MHz



## Highest Channel / 3MHz+5MHz



## Highest Channel / 5MHz+3MHz

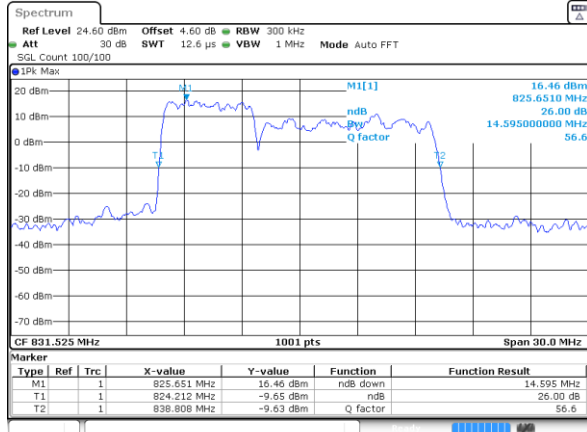




## LTE Band 5B

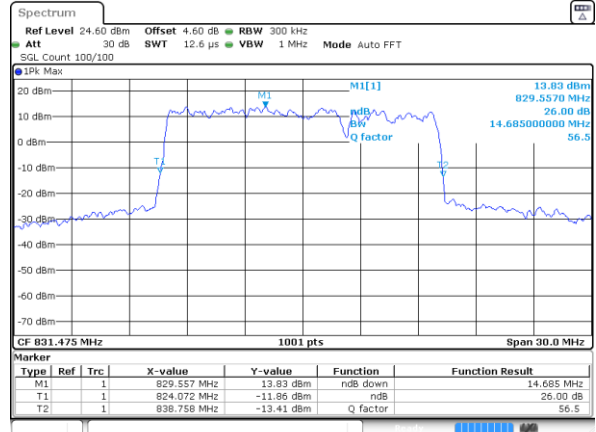
## 64QAM

## Lowest Channel / 5MHz+10MHz



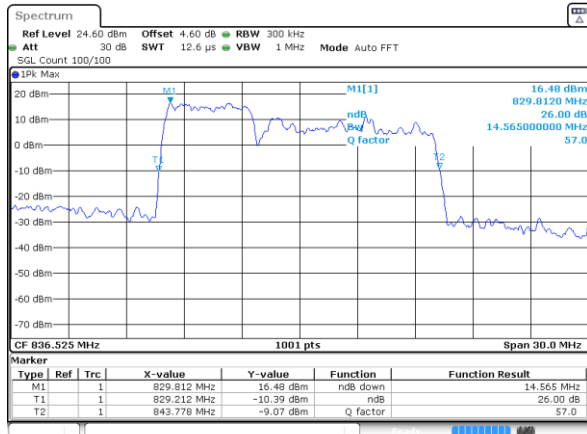
Date: 30 JUL 2020 16:26:02

## Lowest Channel / 10MHz+5MHz



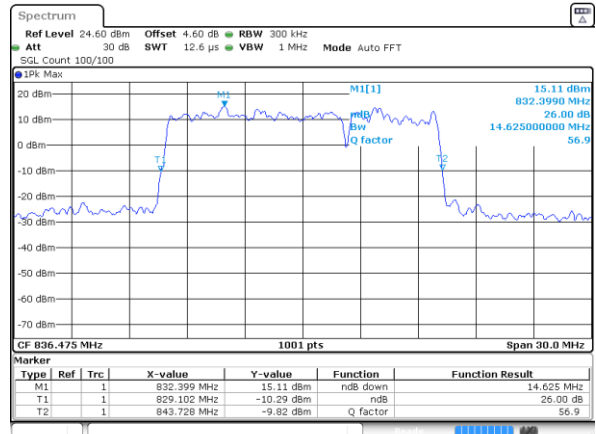
Date: 30 JUL 2020 10:24:31

## Middle Channel / 5MHz+10MHz



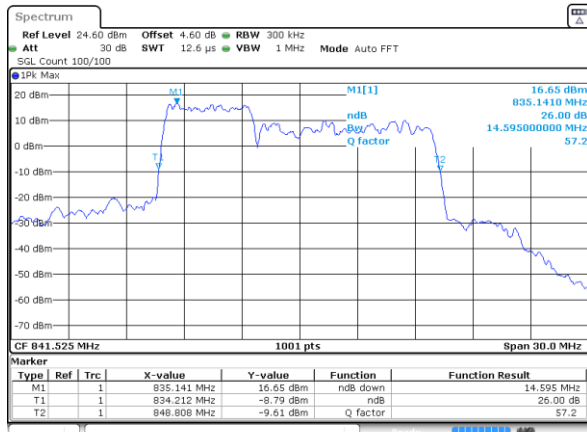
Date: 30 JUL 2020 17:29:52

## Middle Channel / 10MHz+5MHz



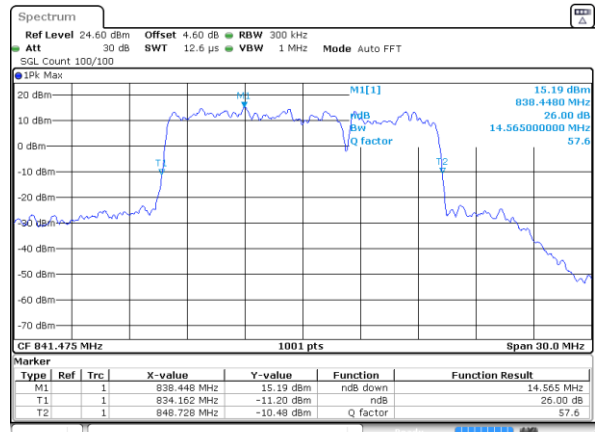
Date: 30 JUL 2020 10:57:34

## Highest Channel / 5MHz+10MHz



Date: 30 JUL 2020 17:59:41

## Highest Channel / 10MHz+5MHz



Date: 30 JUL 2020 11:05:06

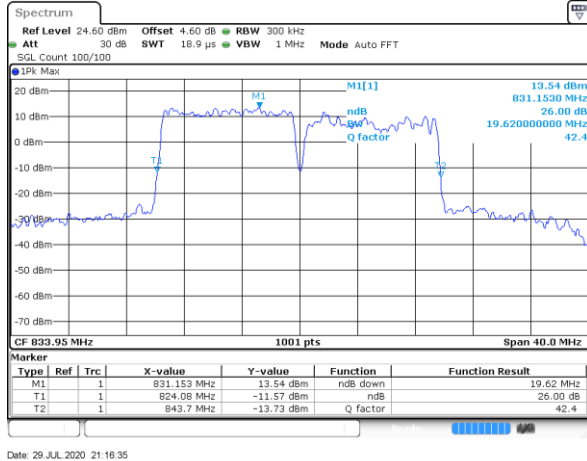


LTE Band 5B

64QAM

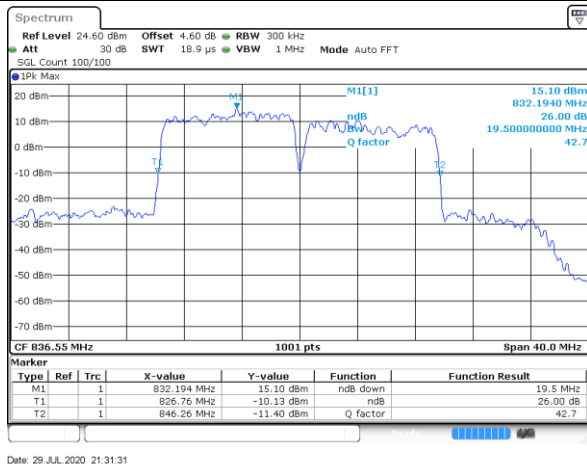
Lowest Channel / 10MHz+10MHz

N/A



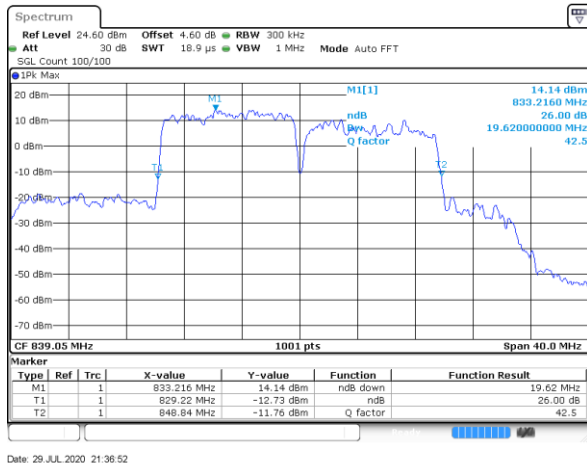
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A



**Occupied Bandwidth**

| Mode       | LTE Band 5B : 99%OBW(MHz) |             |            |
|------------|---------------------------|-------------|------------|
| QPSK       |                           |             |            |
| BW         | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 7.58                      | 7.51        | 13.82      |
| Middle CH  | 7.53                      | 7.53        | 13.88      |
| Highest CH | 7.54                      | 7.64        | 13.91      |
| BW         | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Lowest CH  | 13.88                     | 18.74       | -          |
| Middle CH  | 13.76                     | 18.66       | -          |
| Highest CH | 13.85                     | 18.82       | -          |

| Mode       | LTE Band 5B : 99%OBW(MHz) |             |            |
|------------|---------------------------|-------------|------------|
| 16QAM      |                           |             |            |
| BW         | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 7.51                      | 7.53        | 13.91      |
| Middle CH  | 7.56                      | 7.53        | 13.79      |
| Highest CH | 7.43                      | 7.61        | 13.82      |
| BW         | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Lowest CH  | 13.85                     | 18.66       | -          |
| Middle CH  | 13.85                     | 18.58       | -          |
| Highest CH | 13.88                     | 18.70       | -          |

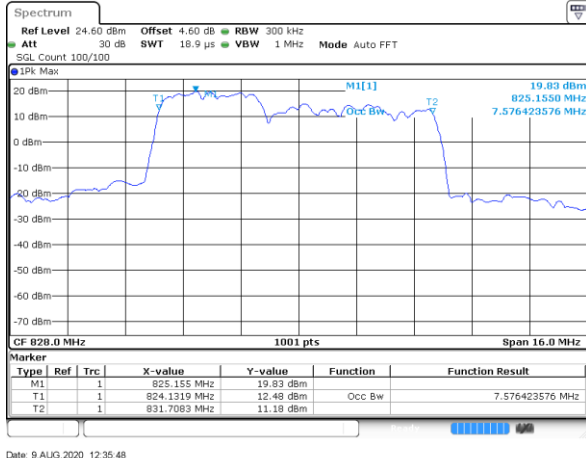
| Mode       | LTE Band 5B : 99%OBW(MHz) |             |            |
|------------|---------------------------|-------------|------------|
| 64QAM      |                           |             |            |
| BW         | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Lowest CH  | 7.50                      | 7.58        | 13.67      |
| Middle CH  | 7.51                      | 7.56        | 13.73      |
| Highest CH | 7.53                      | 7.54        | 13.70      |
| BW         | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Lowest CH  | 13.91                     | 18.66       | -          |
| Middle CH  | 13.88                     | 18.62       | -          |
| Highest CH | 13.97                     | 18.66       | -          |



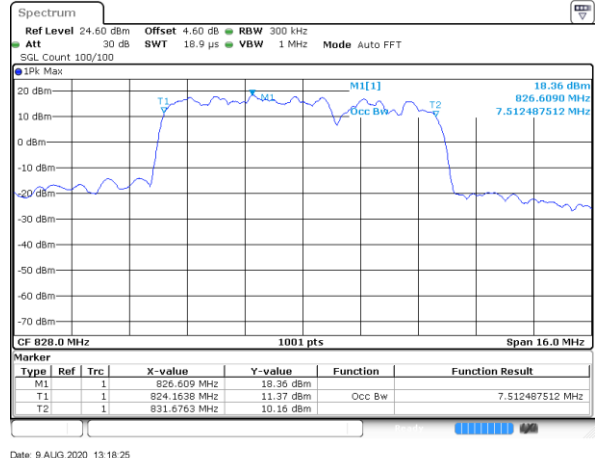
## LTE Band 5B

## QPSK

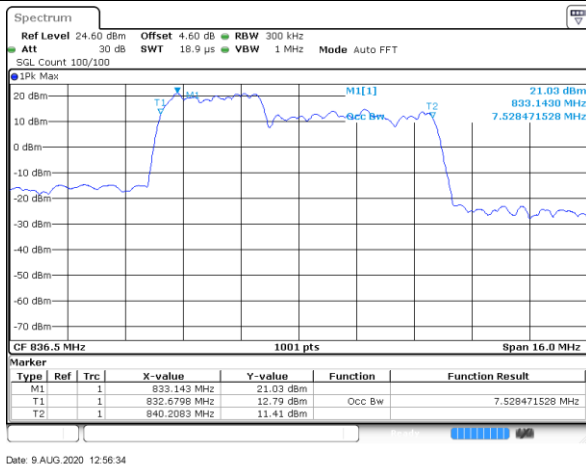
## Lowest Channel / 3MHz+5MHz



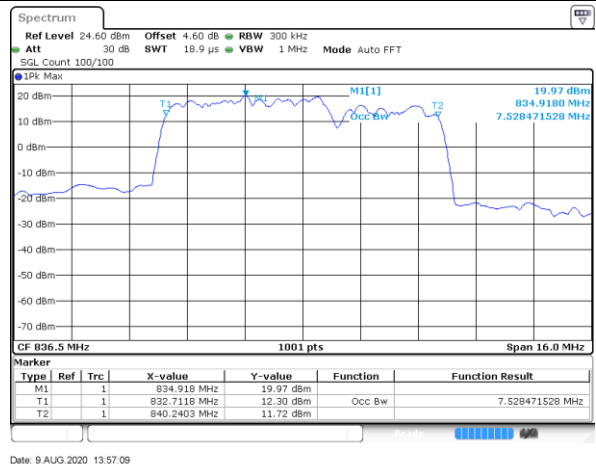
## Lowest Channel / 5MHz+3MHz



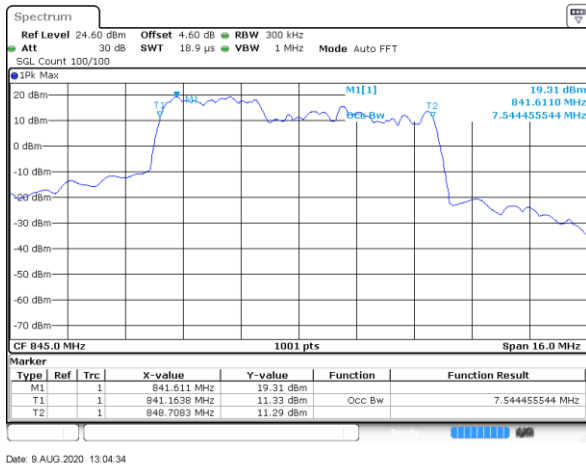
## Middle Channel / 3MHz+5MHz



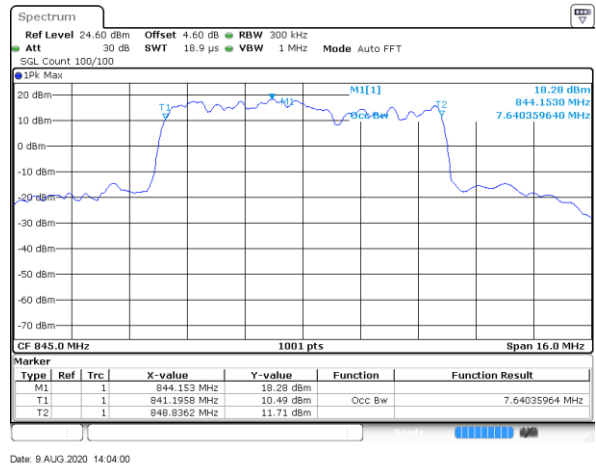
## Middle Channel / 5MHz+3MHz



## Highest Channel / 3MHz+5MHz



## Highest Channel / 5MHz+3MHz

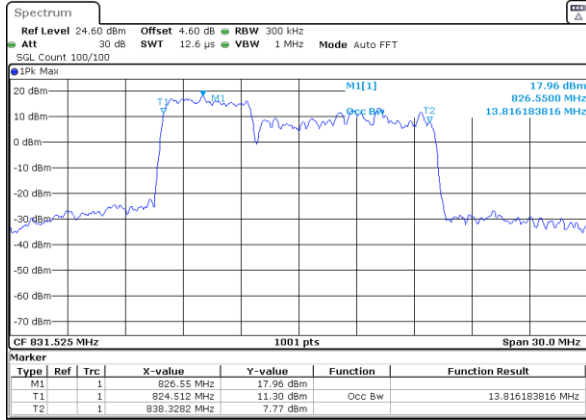




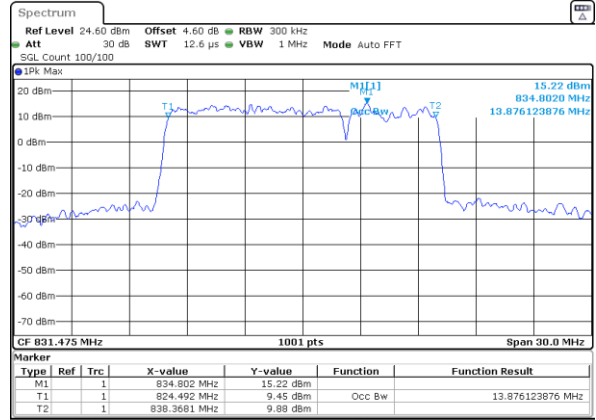
## LTE Band 5B

## QPSK

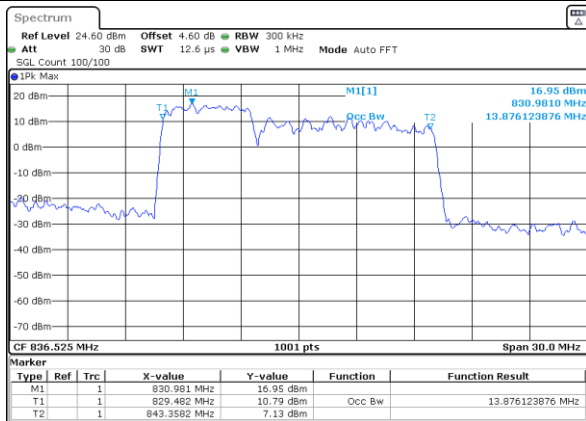
## Lowest Channel / 5MHz+10MHz



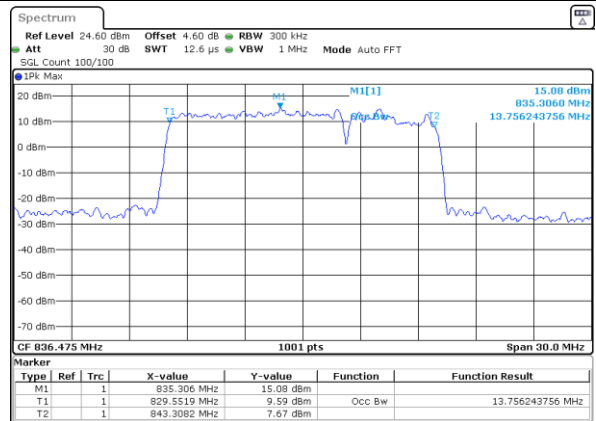
## Lowest Channel / 10MHz+5MHz



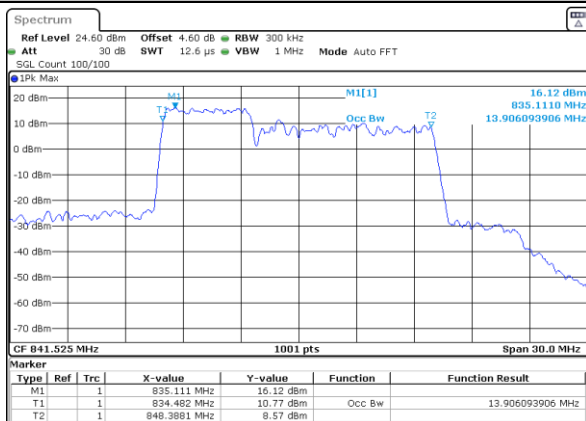
## Middle Channel / 5MHz+10MHz



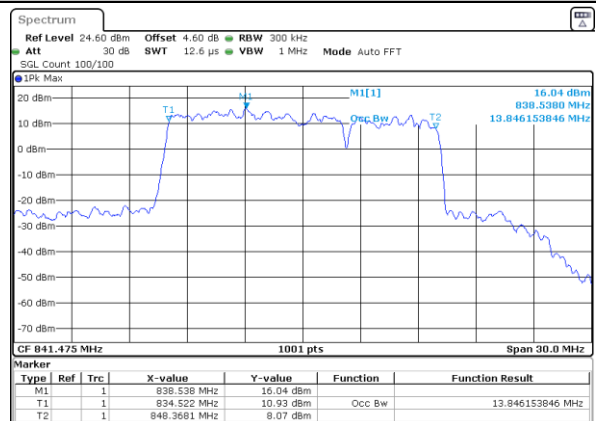
## Middle Channel / 10MHz+5MHz



## Highest Channel / 5MHz+10MHz



## Highest Channel / 10MHz+5MHz



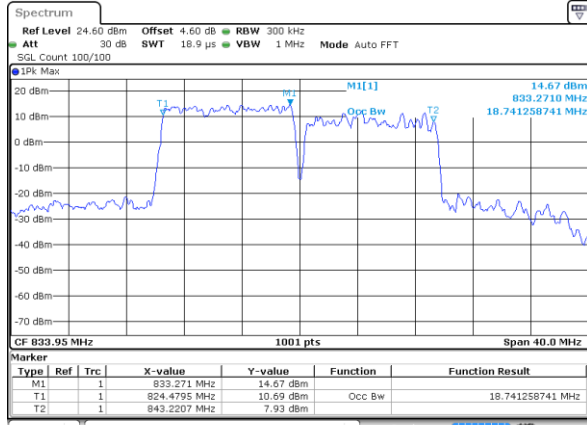


LTE Band 5B

QPSK

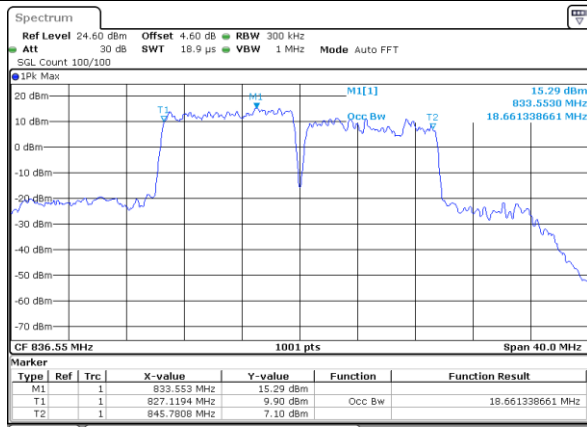
Lowest Channel / 10MHz+10MHz

N/A



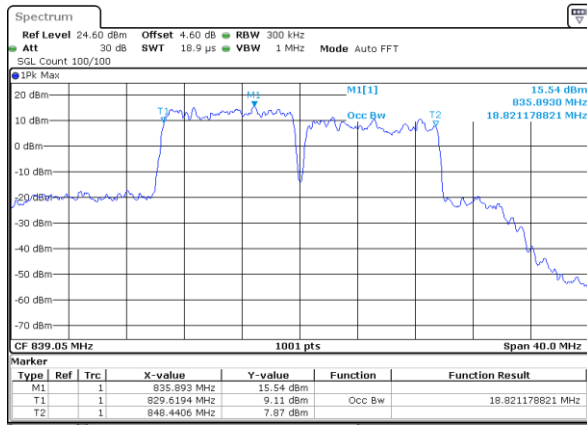
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

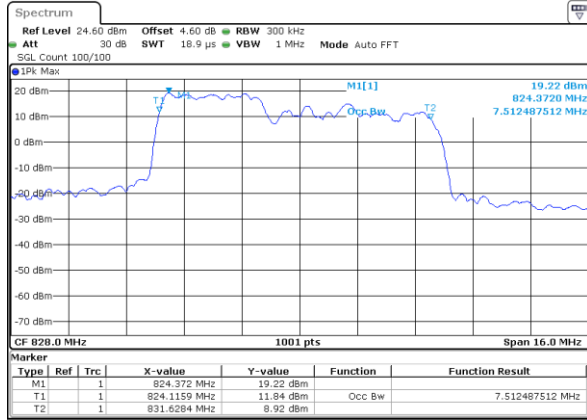




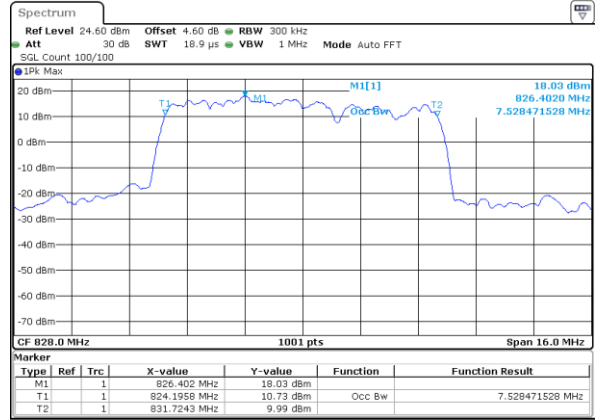
## LTE Band 5B

## 16QAM

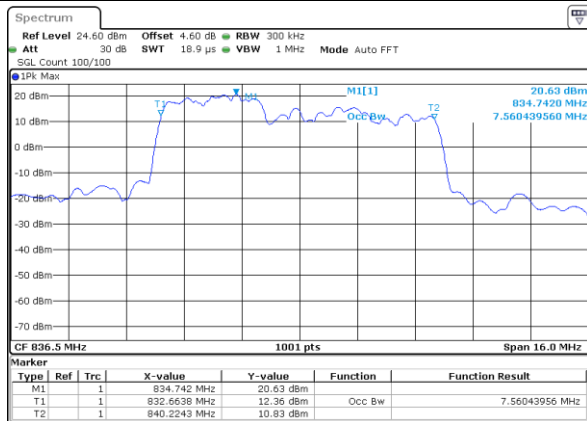
## Lowest Channel / 3MHz+5MHz



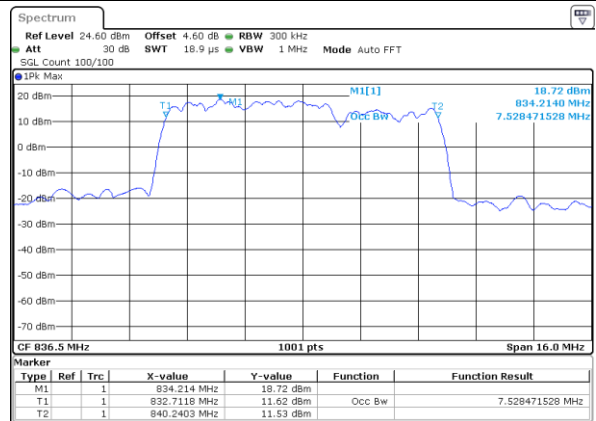
## Lowest Channel / 5MHz+3MHz



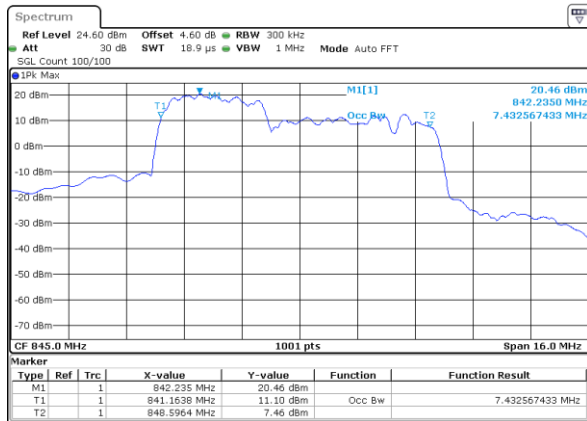
## Middle Channel / 3MHz+5MHz



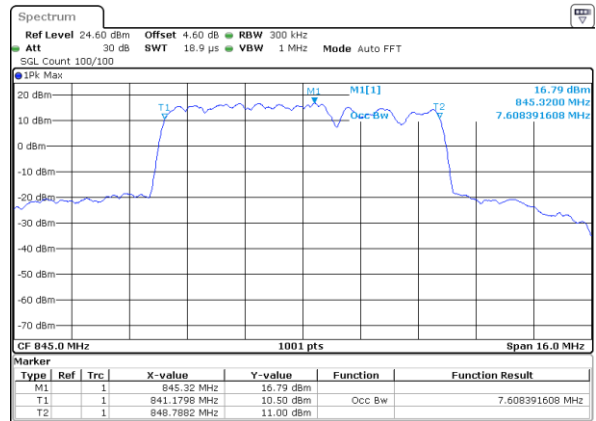
## Middle Channel / 5MHz+3MHz



## Highest Channel / 3MHz+5MHz



## Highest Channel / 5MHz+3MHz

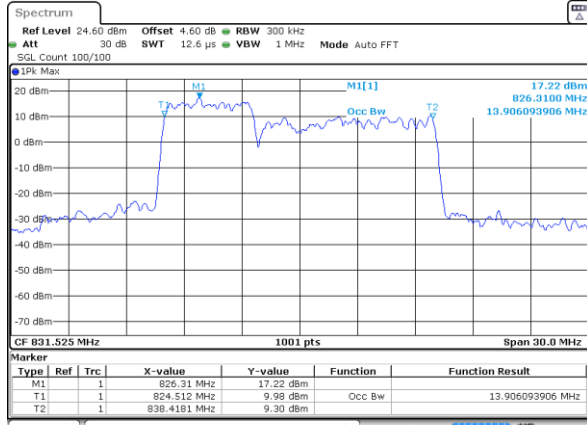




## LTE Band 5B

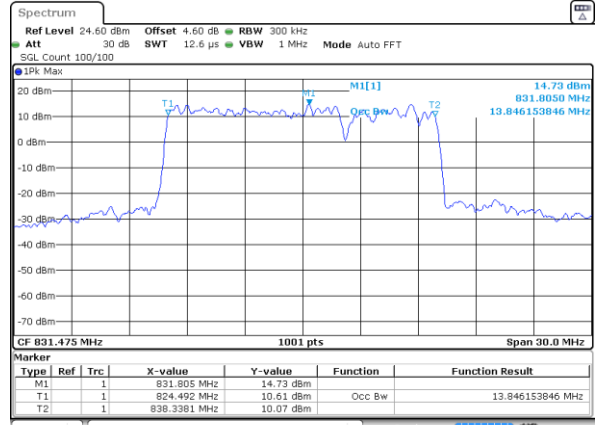
## 16QAM

## Lowest Channel / 5MHz+10MHz



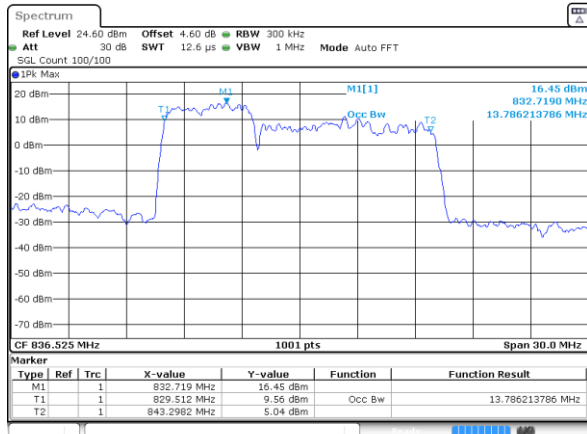
Date: 30 JUL 2020 16:24:55

## Lowest Channel / 10MHz+5MHz



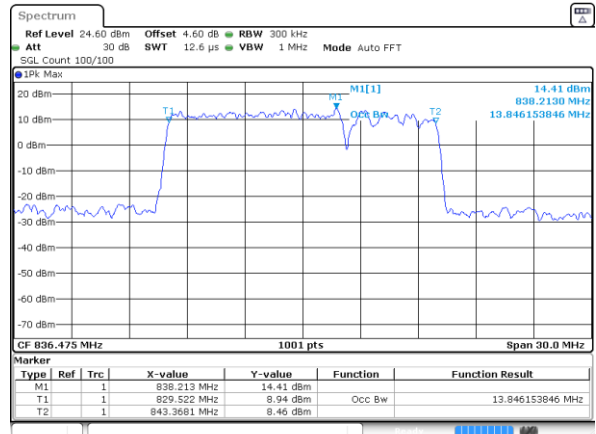
Date: 30 JUL 2020 10:22:45

## Middle Channel / 5MHz+10MHz



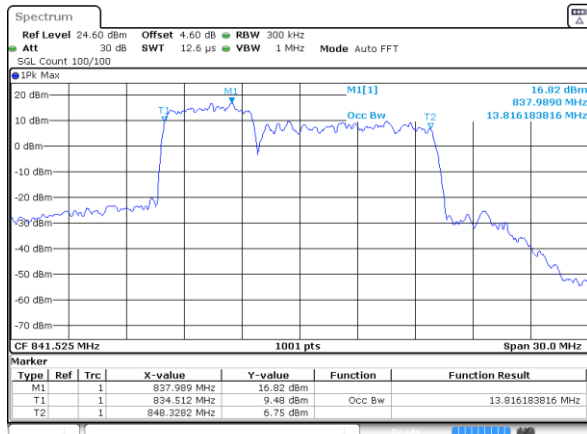
Date: 30 JUL 2020 17:30:09

## Middle Channel / 10MHz+5MHz



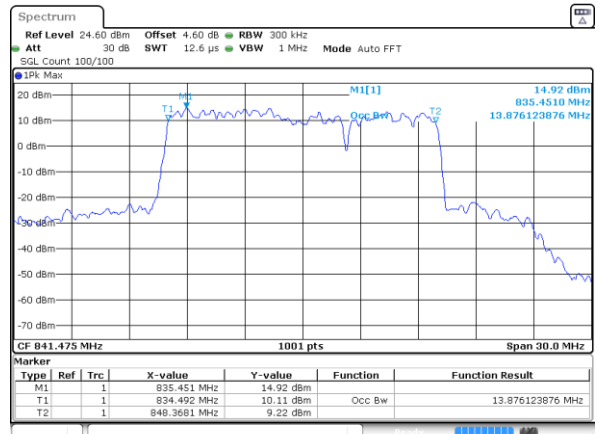
Date: 30 JUL 2020 10:58:10

## Highest Channel / 5MHz+10MHz



Date: 30 JUL 2020 17:57:50

## Highest Channel / 10MHz+5MHz



Date: 30 JUL 2020 11:03:57

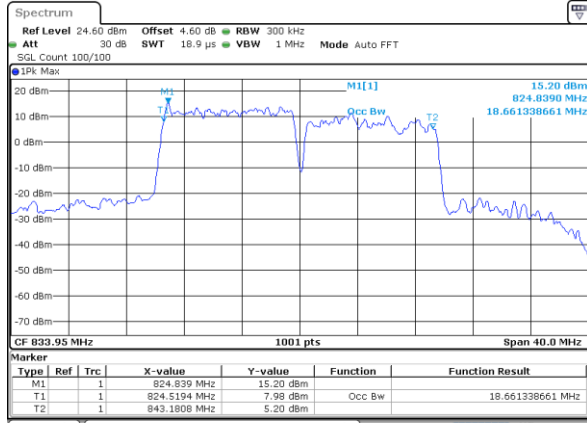


LTE Band 5B

16QAM

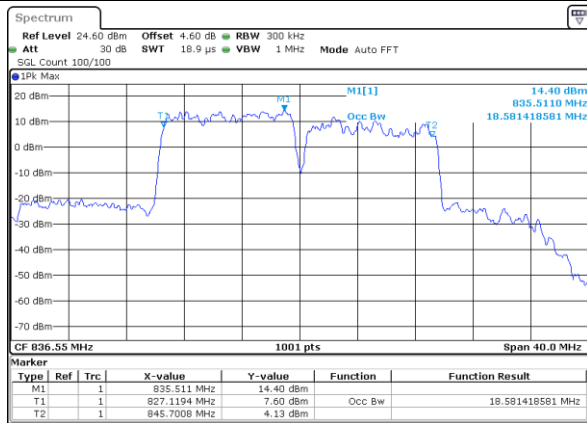
Lowest Channel / 10MHz+10MHz

N/A



Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

