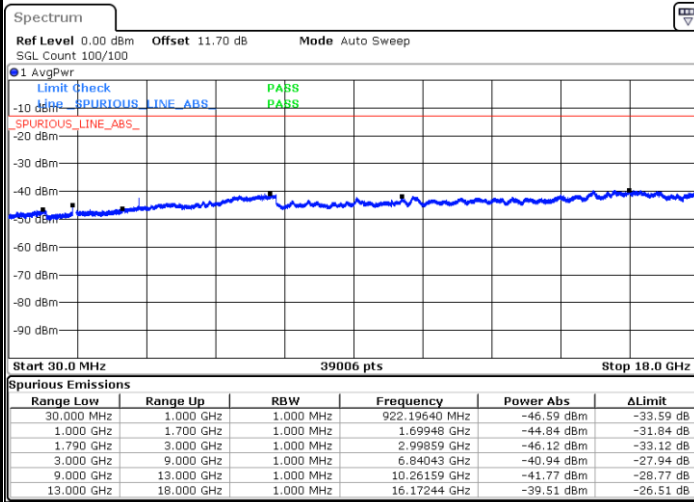




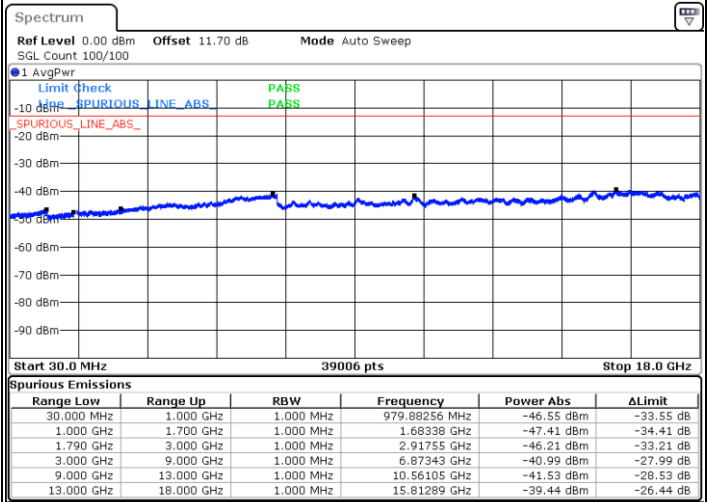
## LTE Band 66 / 1.4MHz

## Lowest Channel / 64QAM



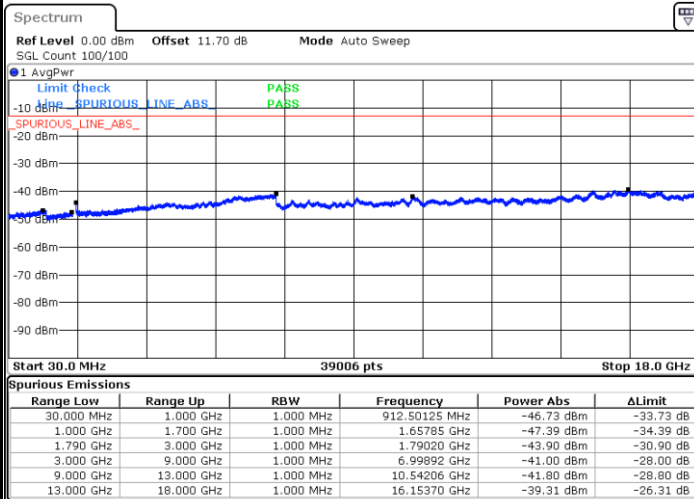
Date: 17.FEB.2018 08:53:19

## Middle Channel / 64QAM



Date: 17.FEB.2018 08:54:32

## Highest Channel / 64QAM

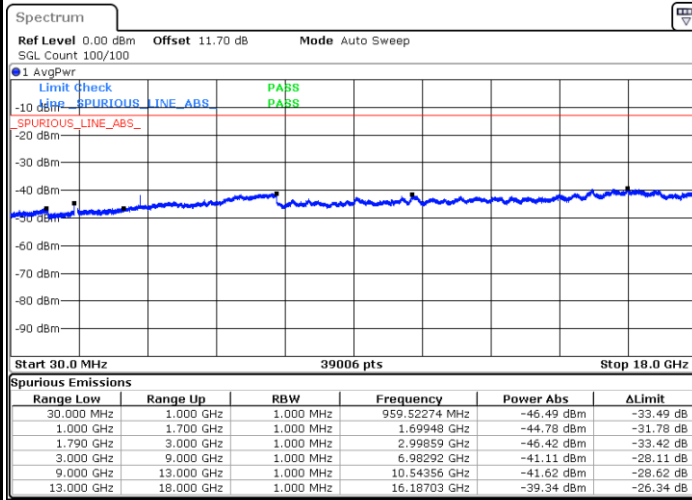


Date: 17.FEB.2018 08:57:59



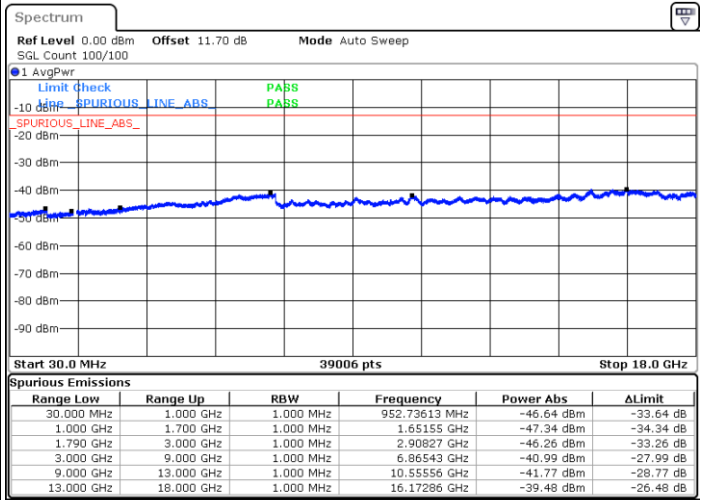
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM



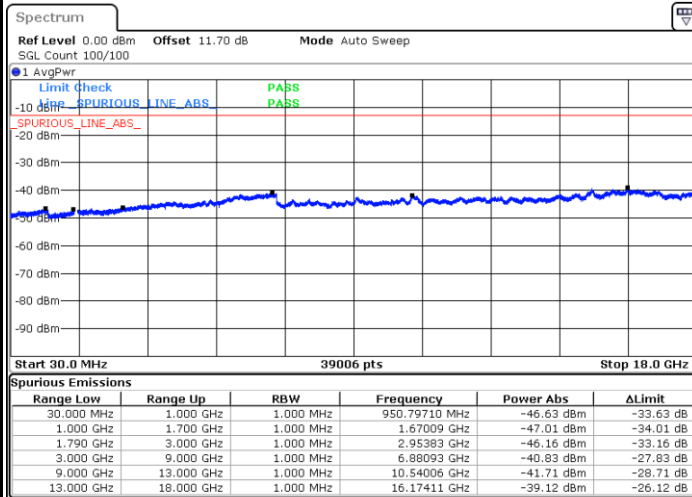
Date: 17 FEB 2018 10:22:46

## Middle Channel / 64QAM



Date: 17 FEB 2018 10:23:59

## Highest Channel / 64QAM

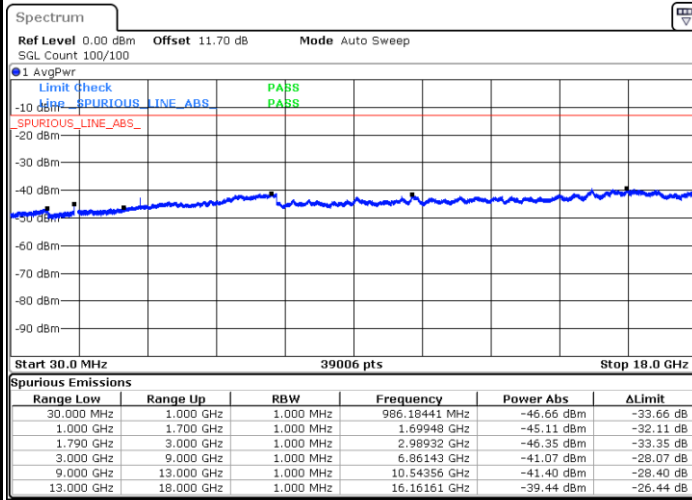


Date: 17 FEB 2018 10:27:26



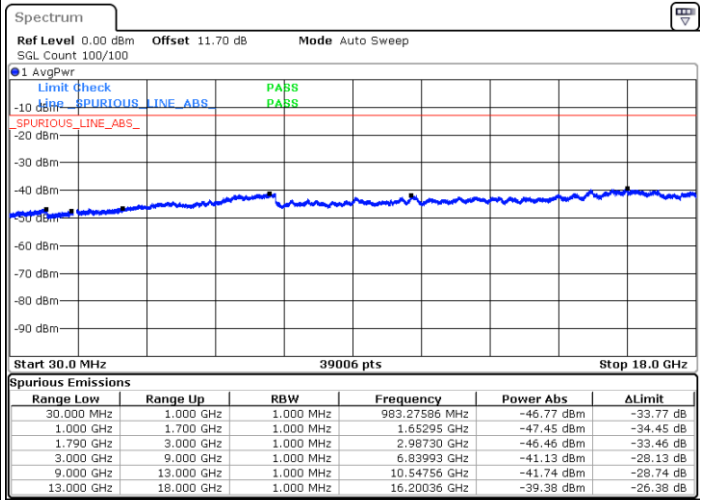
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



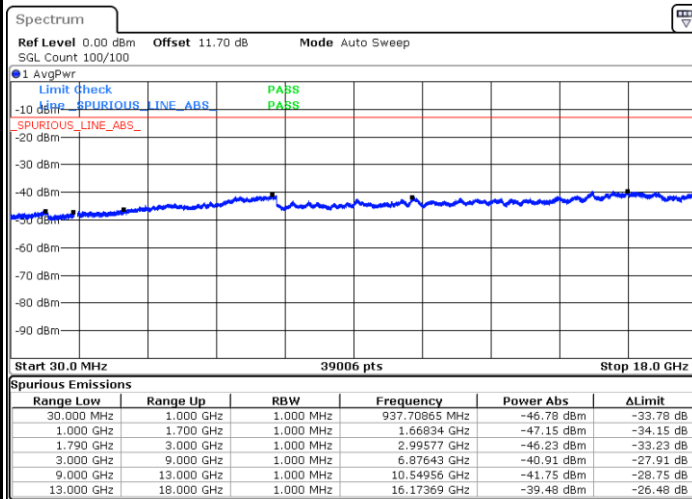
Date: 17 FEB 2018 10:30:53

## Middle Channel / 64QAM



Date: 17 FEB 2018 10:32:06

## Highest Channel / 64QAM

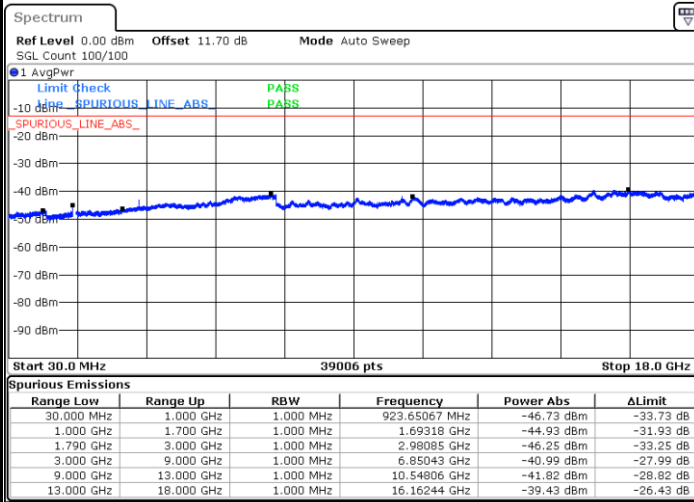


Date: 17 FEB 2018 10:35:34



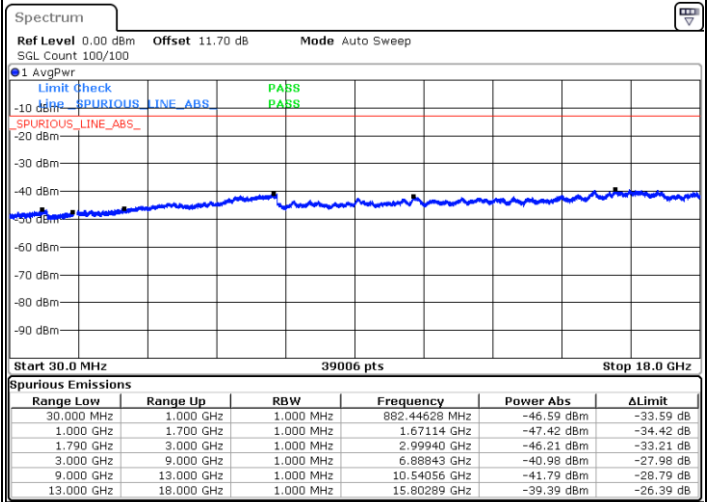
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



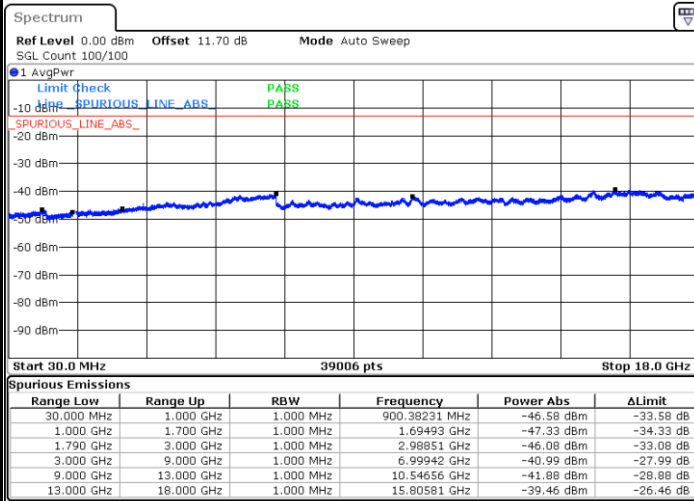
Date: 17.FEB.2018 10:39:01

## Middle Channel / 64QAM



Date: 17.FEB.2018 10:40:14

## Highest Channel / 64QAM

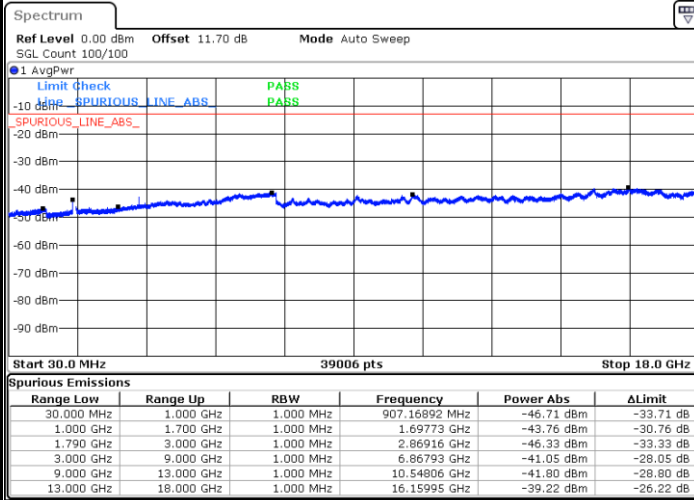


Date: 17.FEB.2018 10:43:41



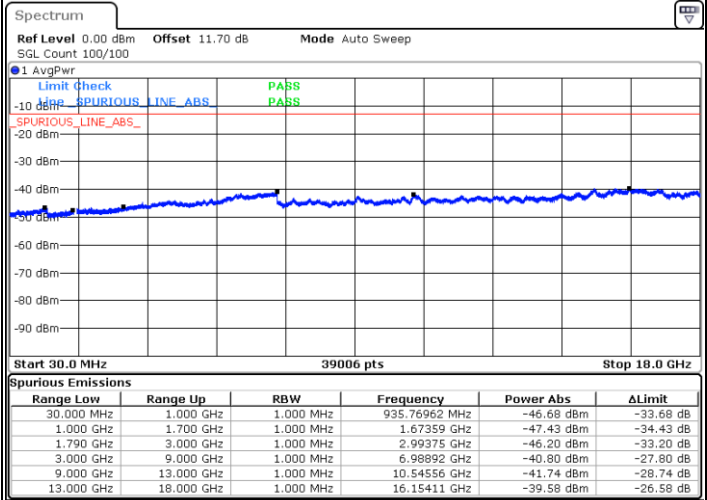
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



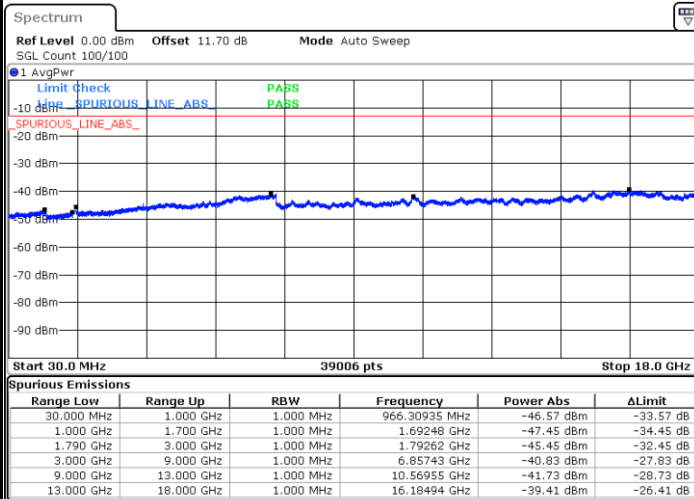
Date: 17.FEB.2018 10:47:09

## Middle Channel / 64QAM



Date: 17.FEB.2018 10:48:22

## Highest Channel / 64QAM

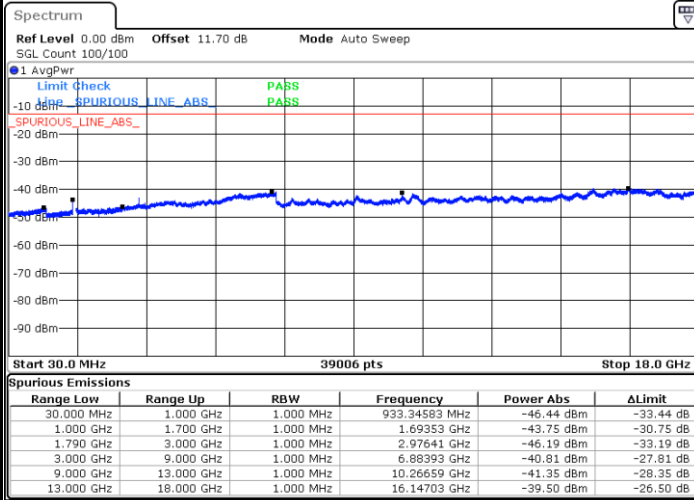


Date: 17.FEB.2018 11:19:50



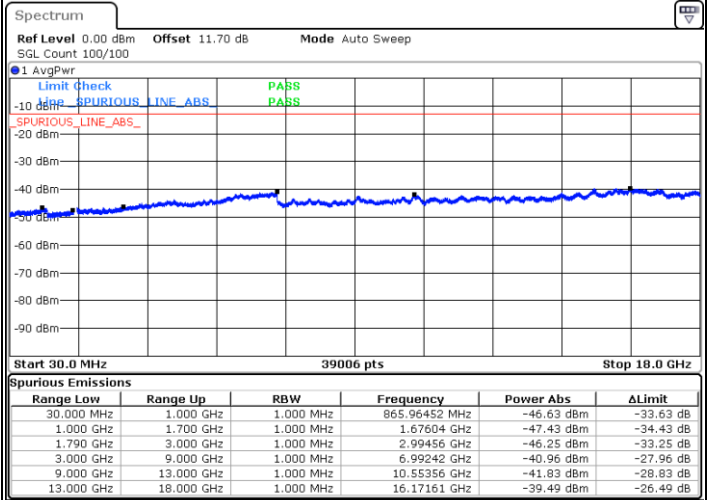
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



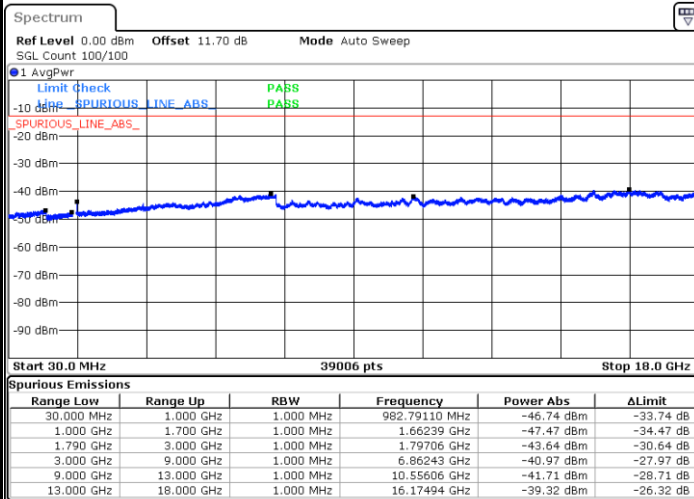
Date: 17.FEB 2018 11:24:33

## Middle Channel / 64QAM



Date: 17.FEB 2018 11:25:46

## Highest Channel / 64QAM



Date: 17.FEB 2018 11:29:13

## 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    | 0.0052                              | PASS    |
| 40               | Normal Voltage    | 0.0032                              |         |
| 30               | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0030                              |         |
| 0                | Normal Voltage    | 0.0004                              |         |
| -10              | Normal Voltage    | 0.0038                              |         |
| -20              | Normal Voltage    | 0.0028                              |         |
| -30              | Normal Voltage    | 0.0009                              |         |
| 20               | Maximum Voltage   | 0.0086                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0005                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 71

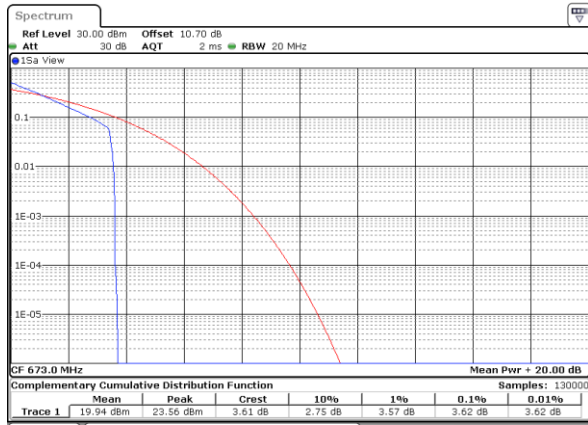
### Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.62                | 4.41    | 5.45  | 5.59    | PASS        |
| Middle CH  | 3.59                | 4.61    | 4.23  | 5.94    |             |
| Highest CH | 3.59                | 4.61    | 5.57  | 5.59    |             |
| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.30                | 5.62    | -     | -       | PASS        |
| Middle CH  | 4.49                | 5.94    | -     | -       |             |
| Highest CH | 5.28                | 5.97    | -     | -       |             |

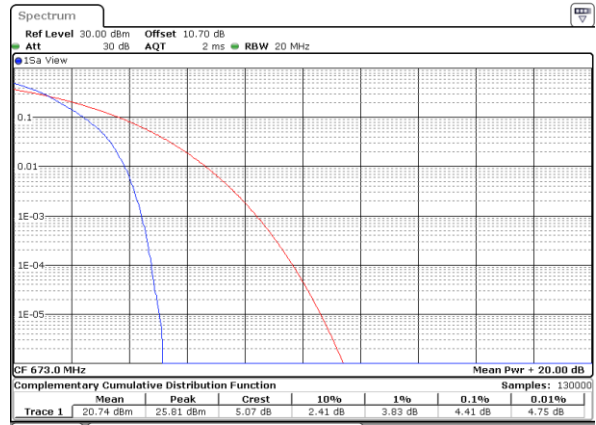


## LTE Band 71 / 20MHz / QPSK

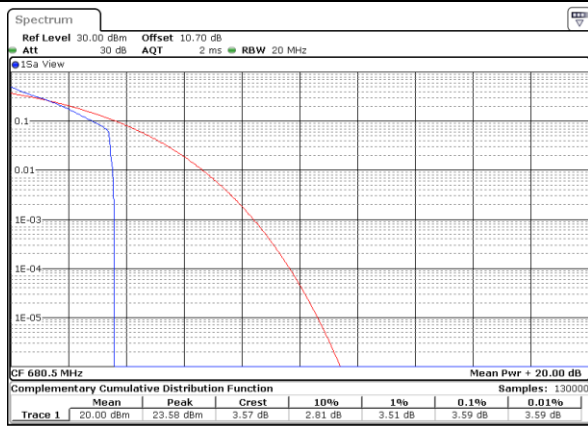
## Lowest Channel / 1RB



## Lowest Channel / Full RB



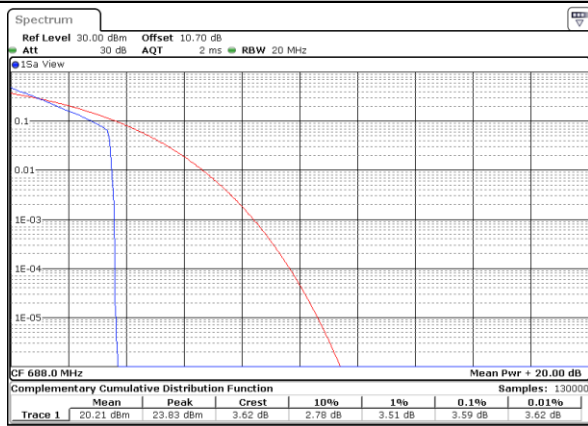
## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



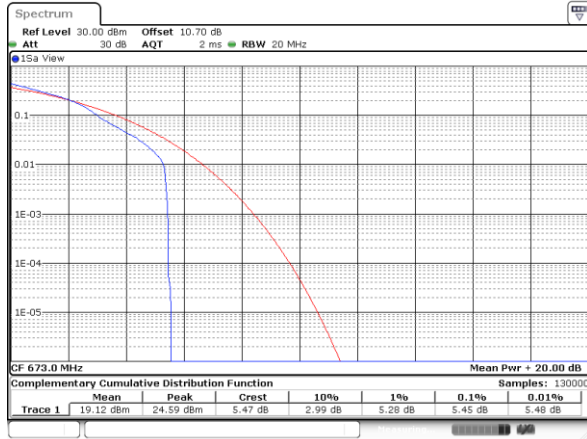
## Highest Channel / Full RB



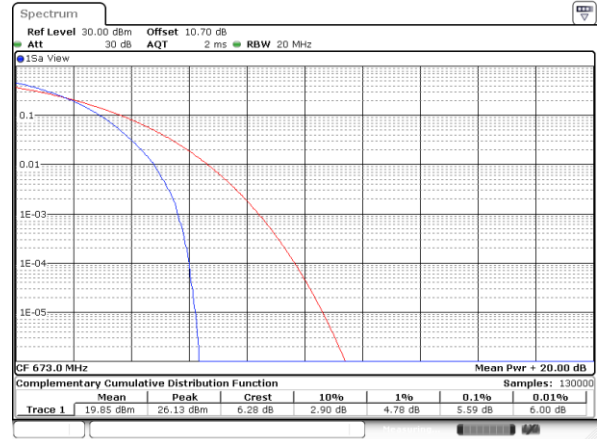


## LTE Band 71 / 20MHz / 16QAM

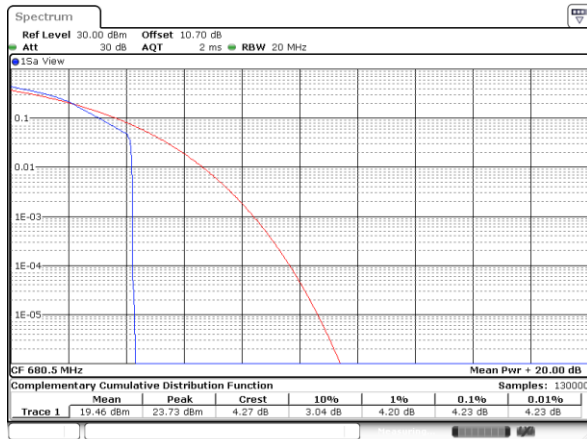
## Lowest Channel / 1RB



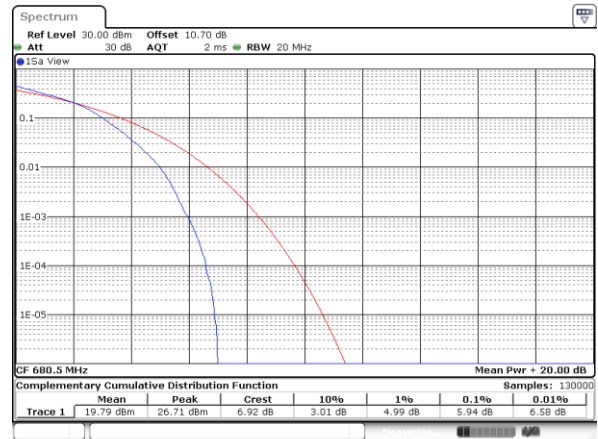
## Lowest Channel / Full RB



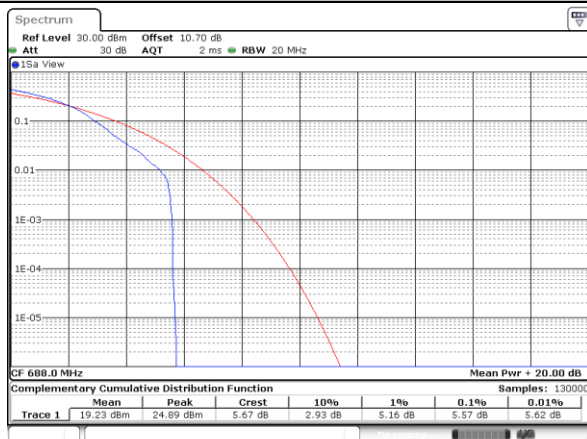
## Middle Channel / 1RB



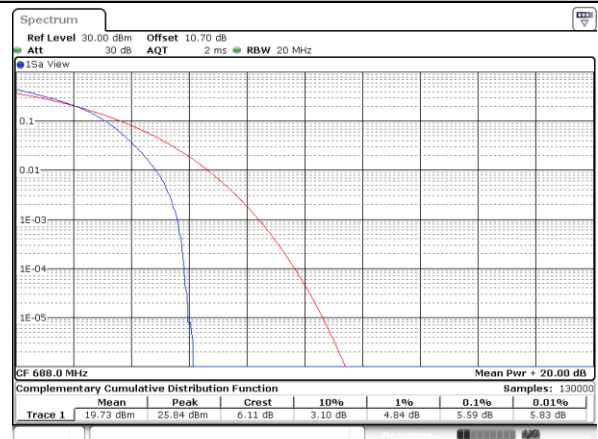
## Middle Channel / Full RB



## Highest Channel / 1RB



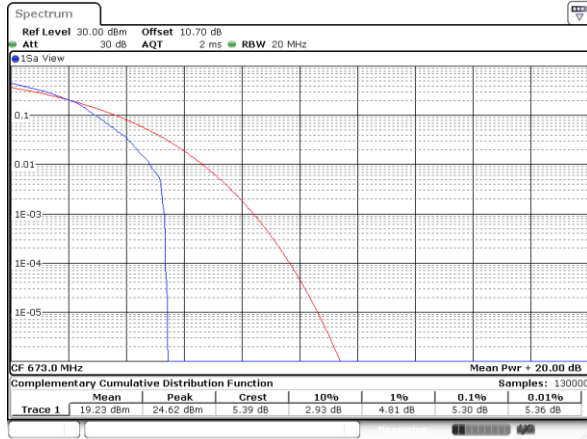
## Highest Channel / Full RB



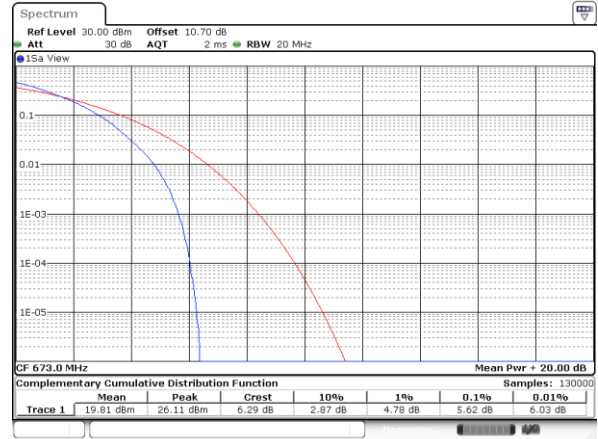


## LTE Band 71 / 20MHz / 64QAM

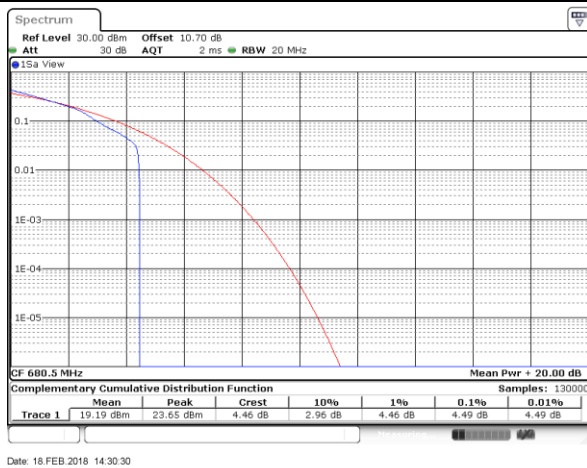
## Lowest Channel / 1RB



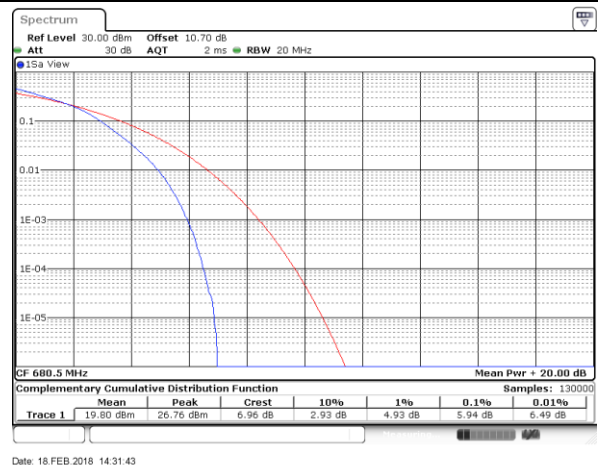
## Lowest Channel / Full RB



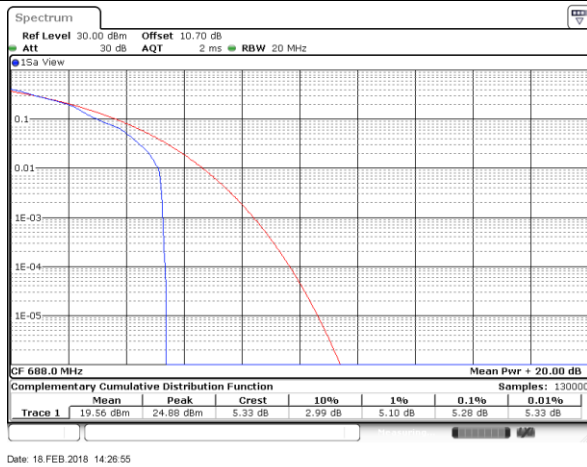
## Middle Channel / 1RB



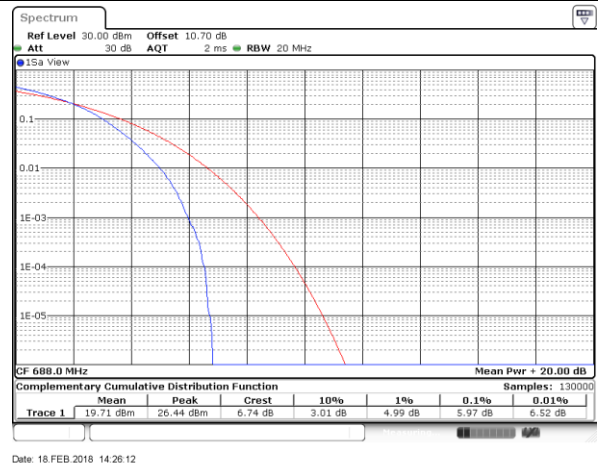
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



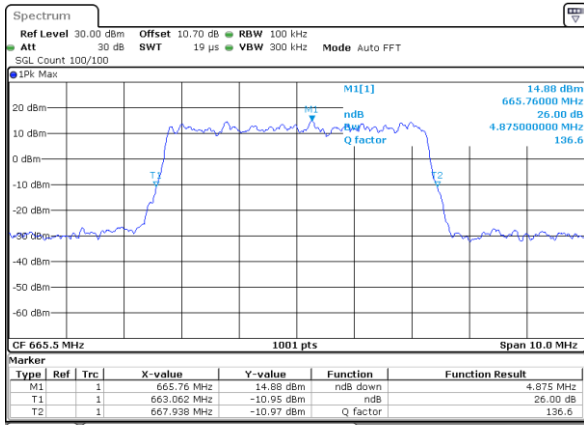
**26dB Bandwidth**

| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 4.88  | 4.91  | 9.79  | 9.89  | 14.27 | 14.33 | 20.34 | 20.50 |
| Middle CH  | -                          | -     | -     | -     | 4.91  | 4.92  | 9.67  | 9.83  | 14.48 | 14.30 | 20.14 | 20.22 |
| Highest CH | -                          | -     | -     | -     | 4.96  | 4.88  | 9.85  | 9.85  | 14.42 | 14.33 | 20.14 | 20.10 |
| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.84  | -     | 9.85  | -     | 14.33 | -     | 20.02 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.87  | -     | 9.95  | -     | 14.45 | -     | 20.22 | -     |
| Highest CH | -                          | -     | -     | -     | 4.88  | -     | 9.81  | -     | 14.54 | -     | 20.38 | -     |



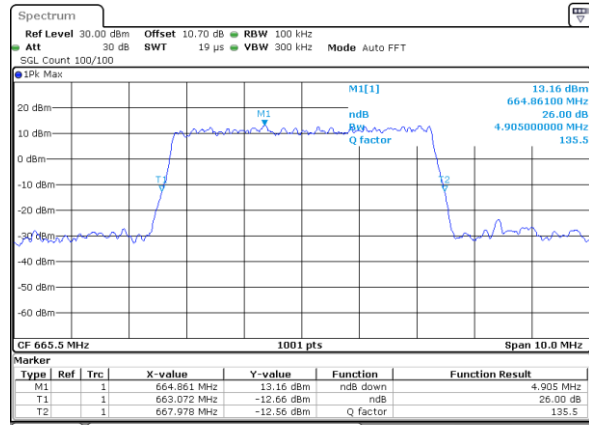
## LTE Band 71

## Lowest Channel / 5MHz / QPSK



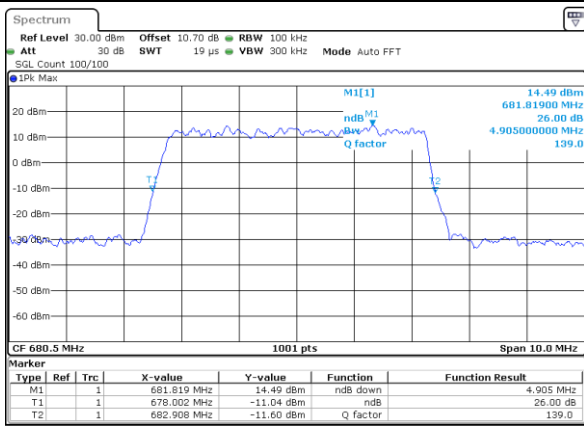
Date: 18 FEB 2018 02:53:37

## Lowest Channel / 5MHz / 16QAM



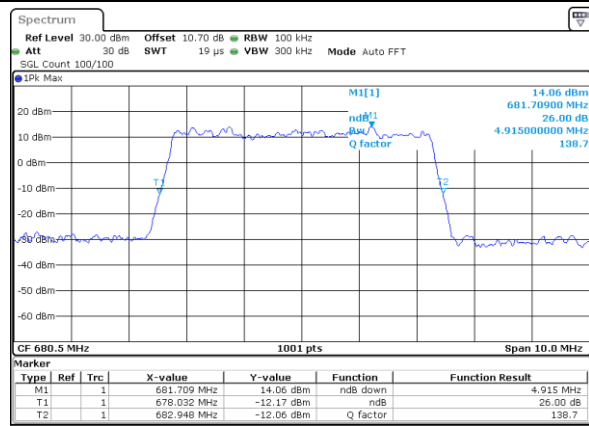
Date: 18 FEB 2018 02:54:31

## Middle Channel / 5MHz / QPSK



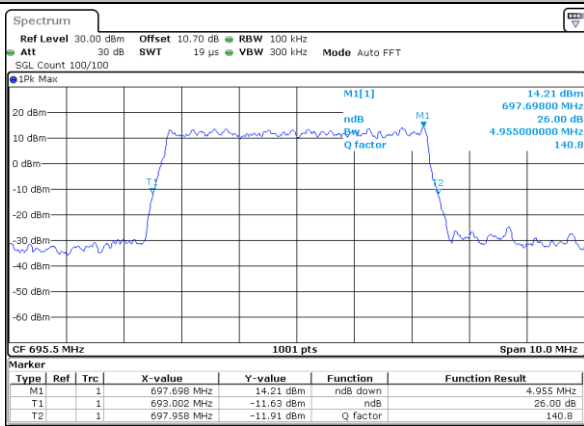
Date: 18 FEB 2018 03:19:58

## Middle Channel / 5MHz / 16QAM



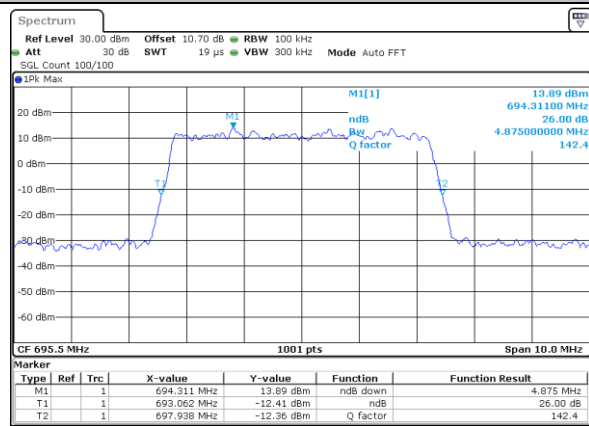
Date: 18 FEB 2018 03:19:03

## Highest Channel / 5MHz / QPSK



Date: 18 FEB 2018 03:28:53

## Highest Channel / 5MHz / 16QAM

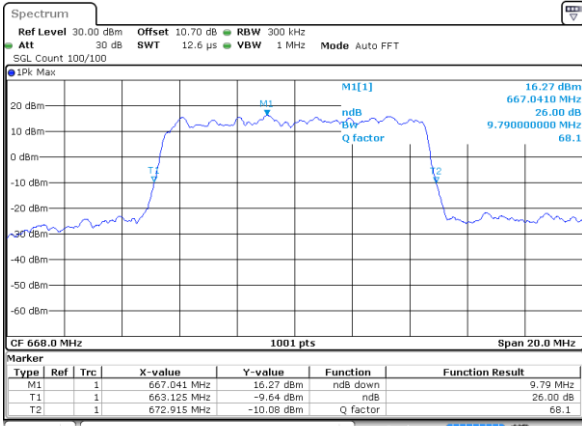


Date: 18 FEB 2018 03:30:49



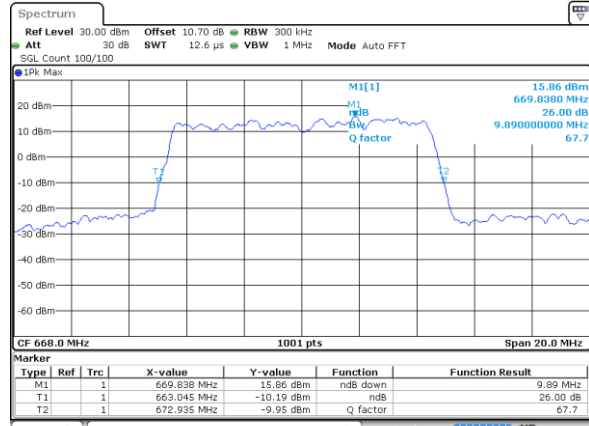
## LTE Band 71

## Lowest Channel / 10MHz / QPSK



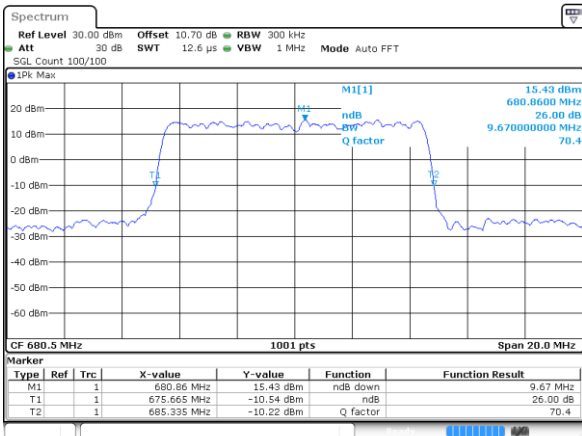
Date: 18 FEB 2018 11:05:07

## Lowest Channel / 10MHz / 16QAM



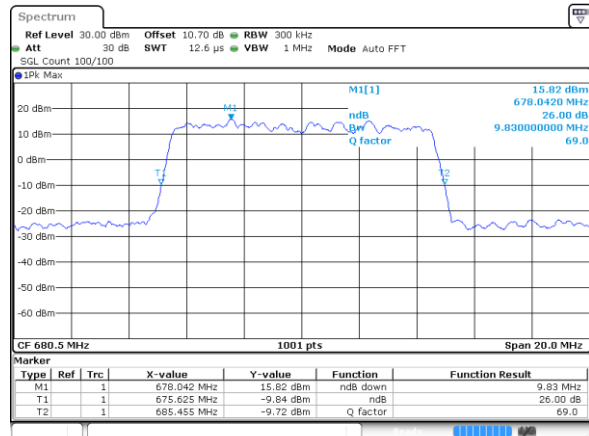
Date: 18 FEB 2018 11:02:50

## Middle Channel / 10MHz / QPSK



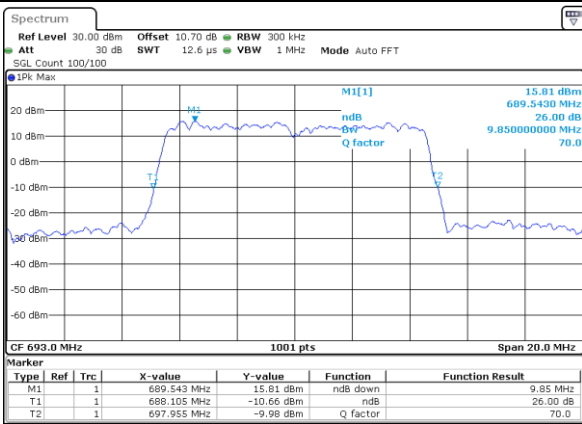
Date: 18 FEB 2018 11:08:50

## Middle Channel / 10MHz / 16QAM



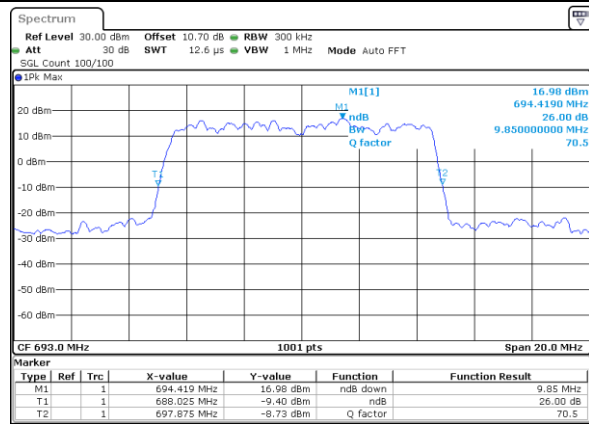
Date: 18 FEB 2018 11:09:57

## Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:54

## Highest Channel / 10MHz / 16QAM

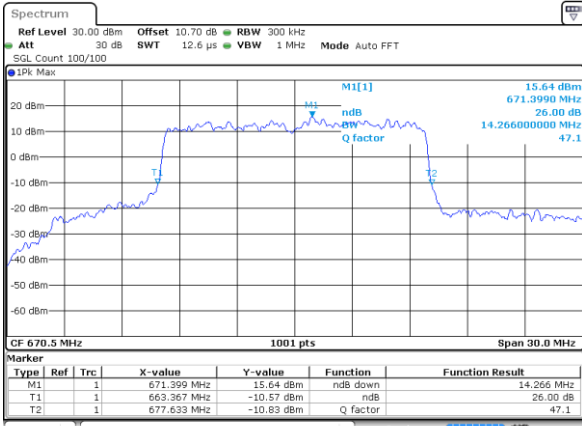


Date: 18 FEB 2018 11:39:04



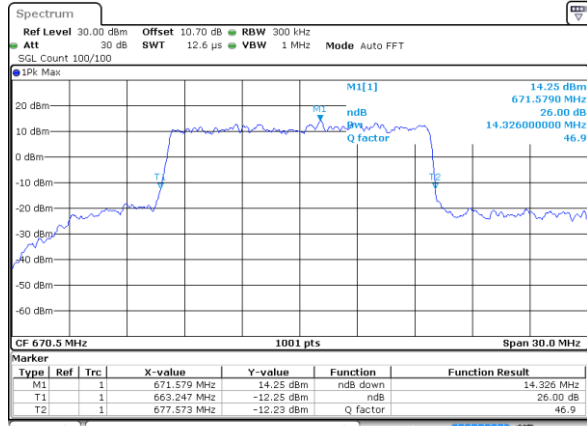
## LTE Band 71

## Lowest Channel / 15MHz / QPSK



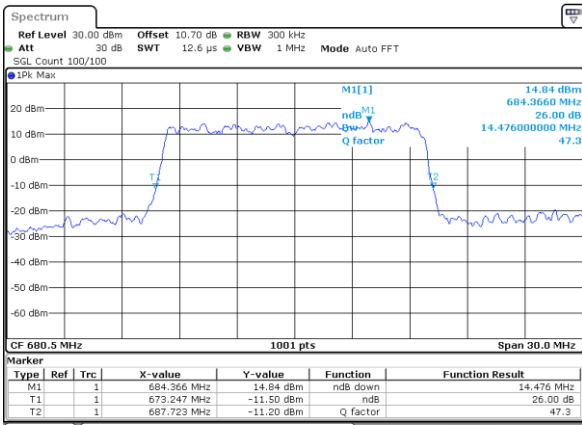
Date: 18 FEB 2018 12:00:38

## Lowest Channel / 15MHz / 16QAM



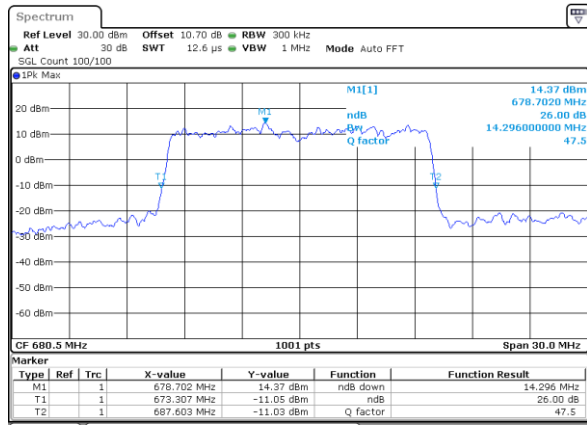
Date: 18 FEB 2018 11:58:37

## Middle Channel / 15MHz / QPSK



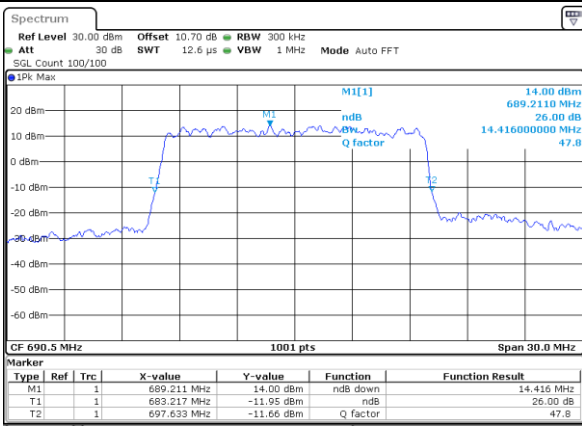
Date: 18 FEB 2018 12:18:43

## Middle Channel / 15MHz / 16QAM



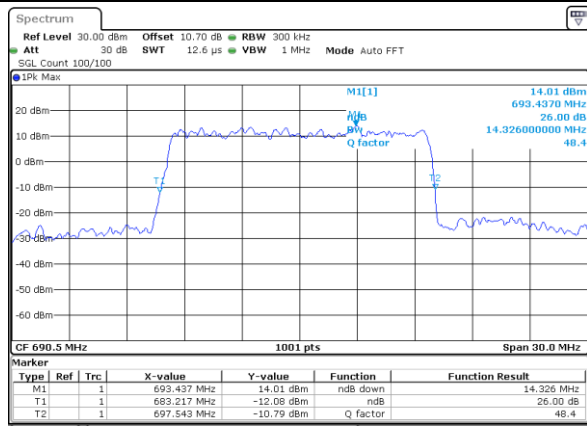
Date: 18 FEB 2018 12:17:05

## Highest Channel / 15MHz / QPSK



Date: 18 FEB 2018 12:48:10

## Highest Channel / 15MHz / 16QAM

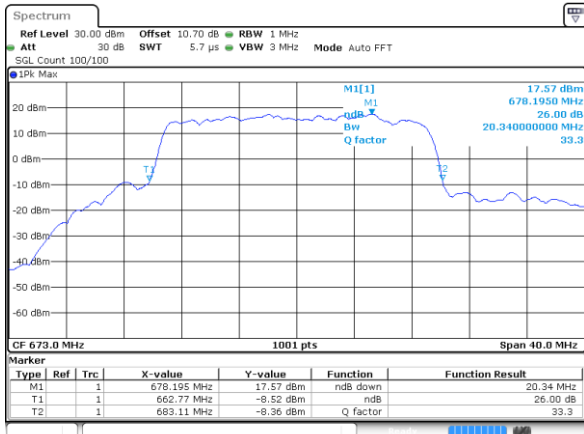


Date: 18 FEB 2018 12:45:31



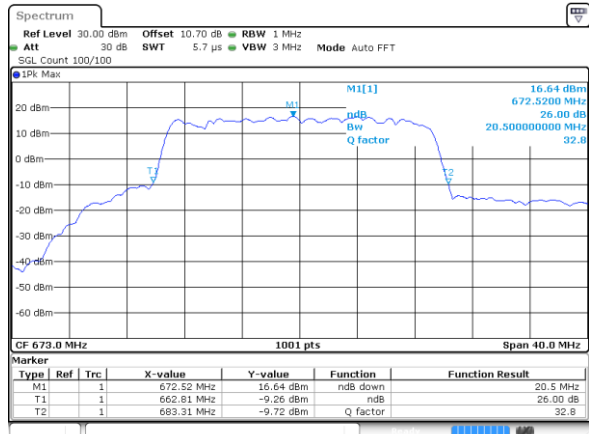
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



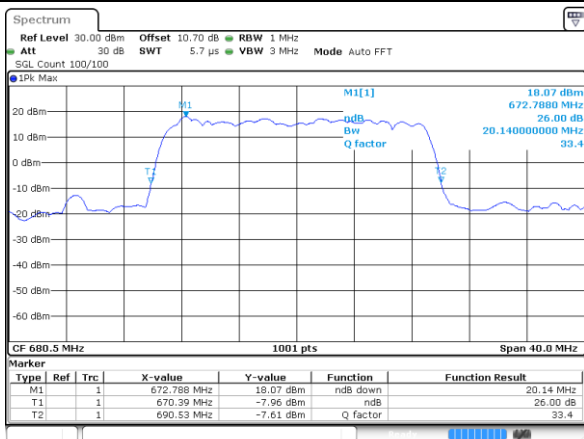
Date: 18 FEB 2018 12:51:54

## Lowest Channel / 20MHz / 16QAM



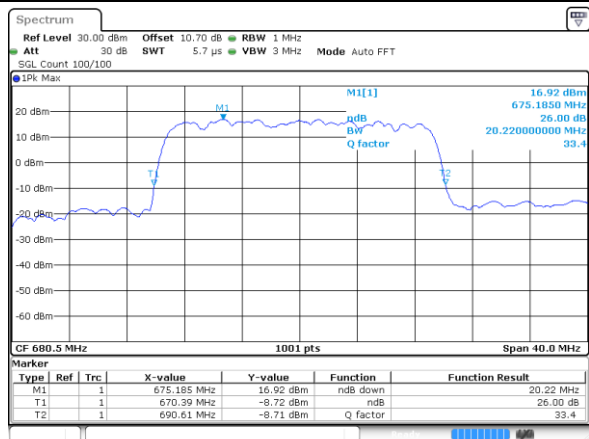
Date: 18 FEB 2018 13:23:02

## Middle Channel / 20MHz / QPSK



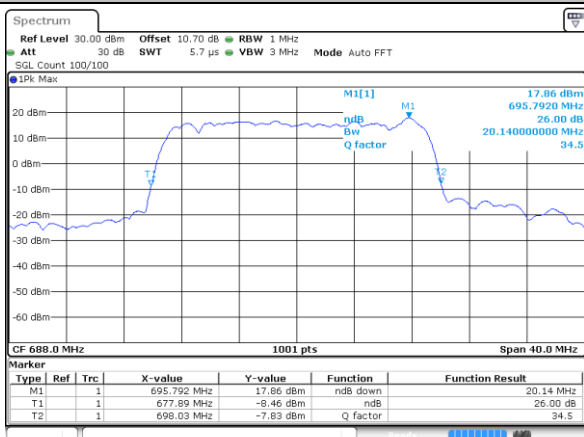
Date: 18 FEB 2018 13:34:36

## Middle Channel / 20MHz / 16QAM



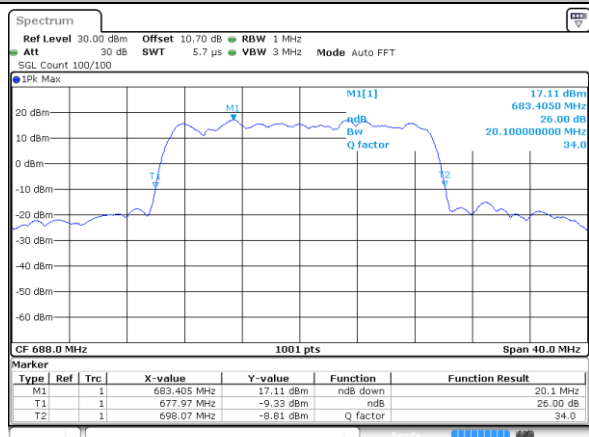
Date: 18 FEB 2018 13:35:32

## Highest Channel / 20MHz / QPSK



Date: 18 FEB 2018 14:24:07

## Highest Channel / 20MHz / 16QAM

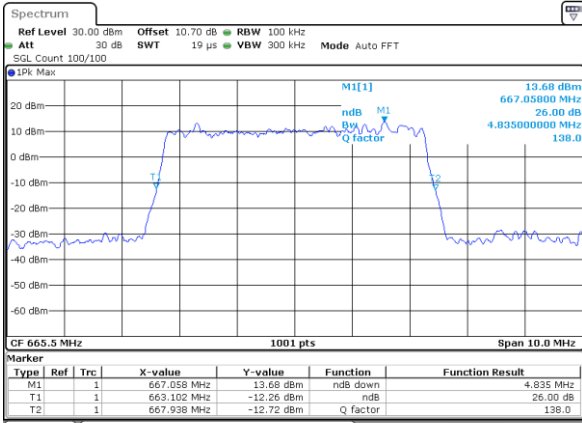


Date: 18 FEB 2018 13:59:06

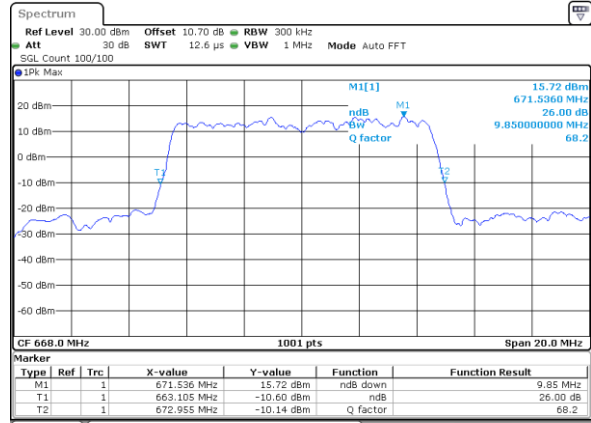


## LTE Band 71

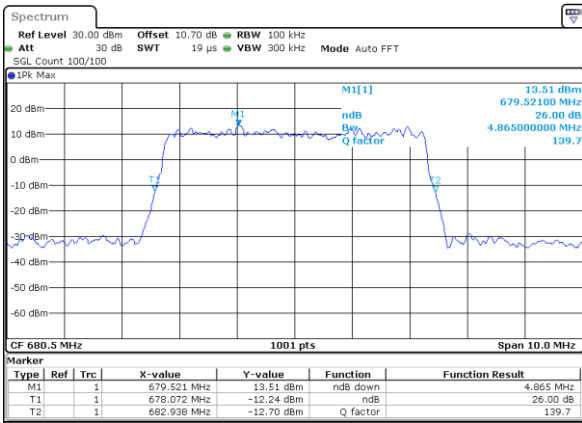
## Lowest Channel / 5MHz / 64QAM



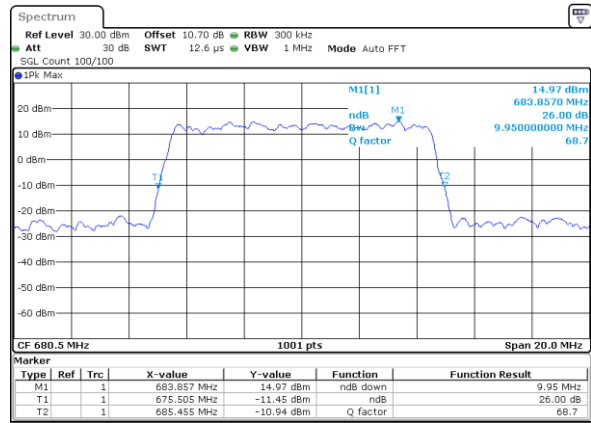
## Lowest Channel / 10MHz / 64QAM



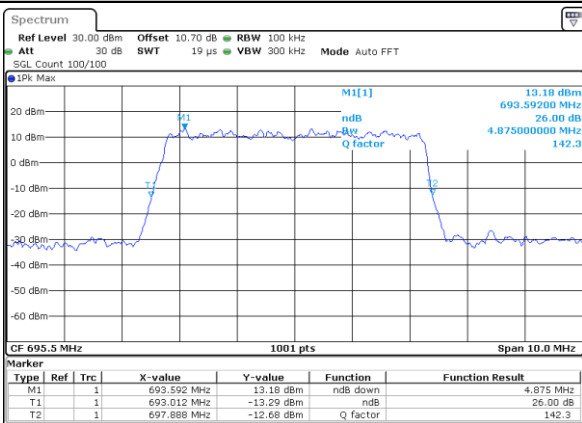
## Middle Channel / 5MHz / 64QAM



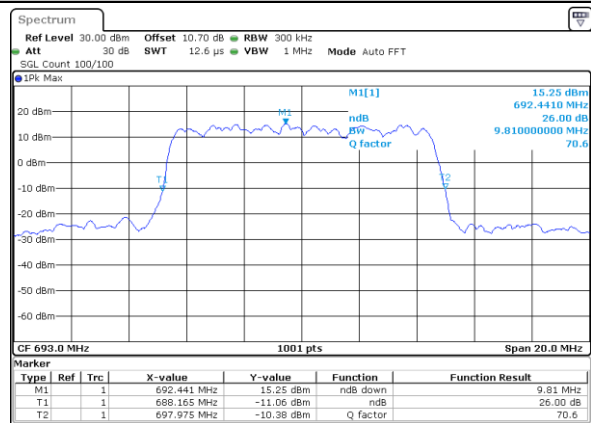
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



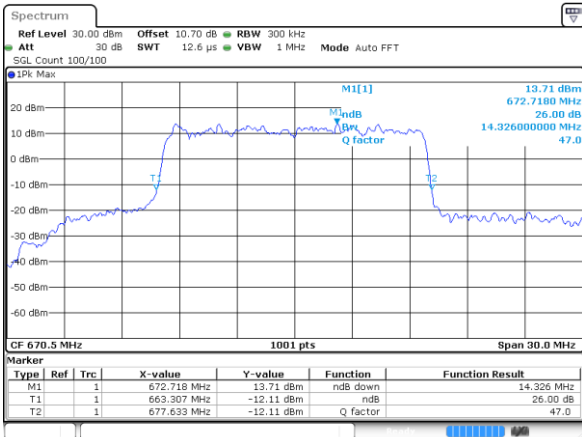
## Highest Channel / 10MHz / 64QAM



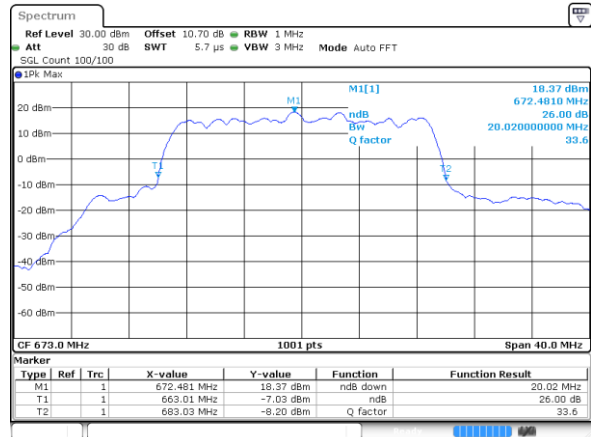


## LTE Band 71

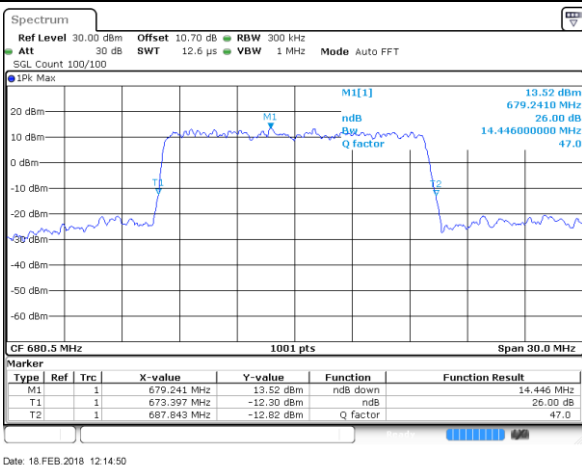
## Lowest Channel / 15MHz / 64QAM



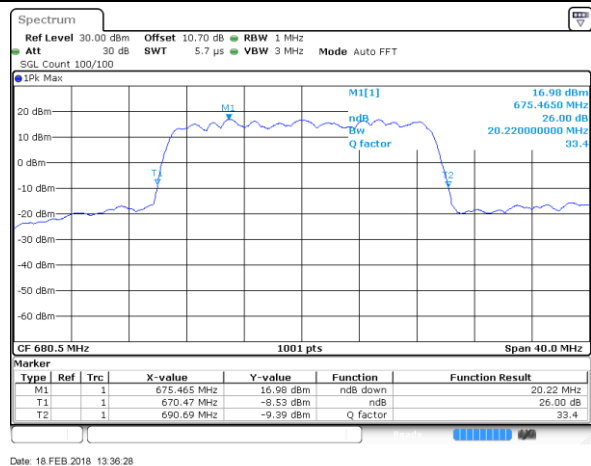
## Lowest Channel / 20MHz / 64QAM



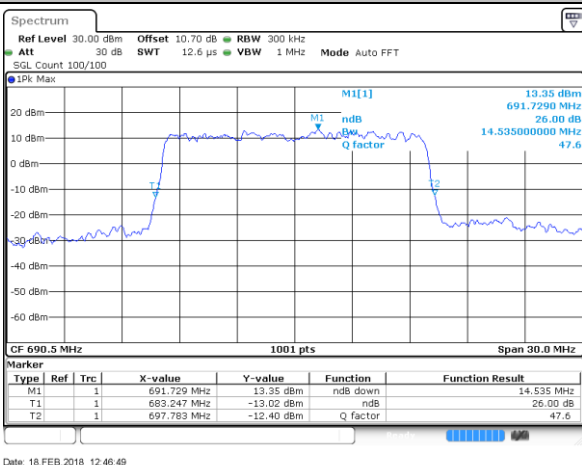
## Middle Channel / 15MHz / 64QAM



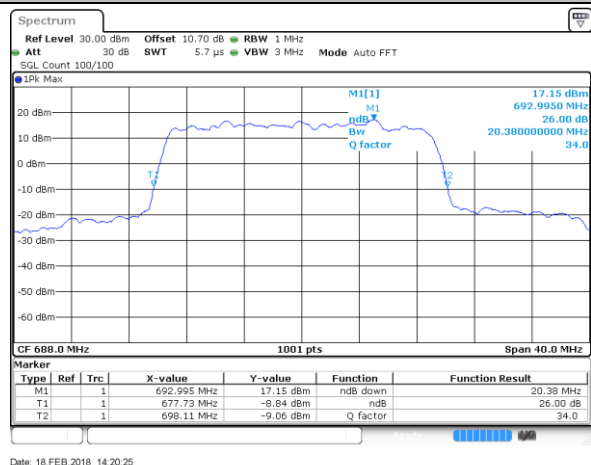
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



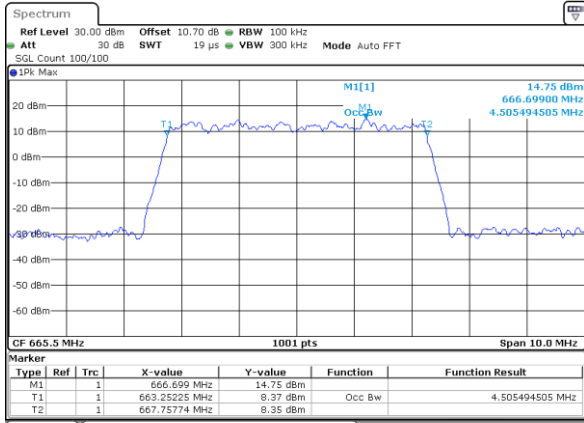
**Occupied Bandwidth**

| Mode       | LTE Band 71 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -     | -     | 4.51  | 4.5   | 9.07  | 8.99  | 13.43 | 13.46 | 18.42 | 18.42 |
| Middle CH  | -                         | -     | -     | -     | 4.5   | 4.5   | 9.05  | 9.11  | 13.46 | 13.43 | 18.54 | 18.22 |
| Highest CH | -                         | -     | -     | -     | 4.51  | 4.5   | 9.03  | 9.05  | 13.46 | 13.49 | 18.26 | 18.38 |
| Mode       | LTE Band 71 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.48  | -     | 9.05  | -     | 13.43 | -     | 18.46 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.48  | -     | 8.99  | -     | 13.43 | -     | 18.38 | -     |
| Highest CH | -                         | -     | -     | -     | 4.49  | -     | 9.07  | -     | 13.49 | -     | 18.46 | -     |



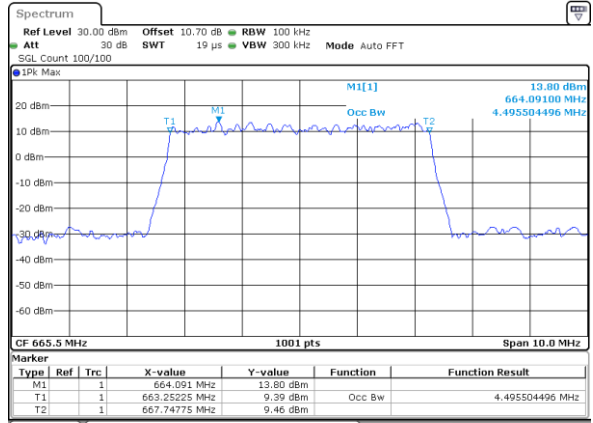
## LTE Band 71

## Lowest Channel / 5MHz / QPSK



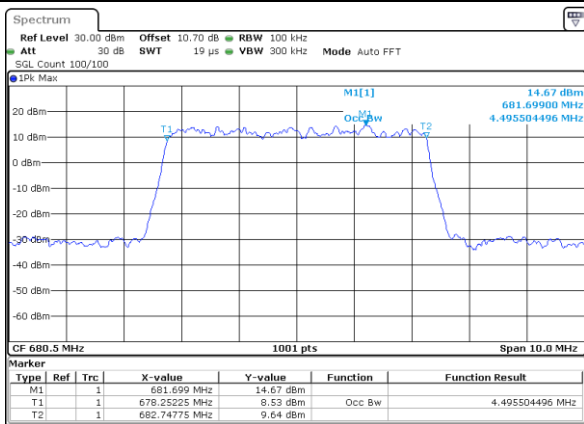
Date: 18 FEB 2018 02:53:16

## Lowest Channel / 5MHz / 16QAM



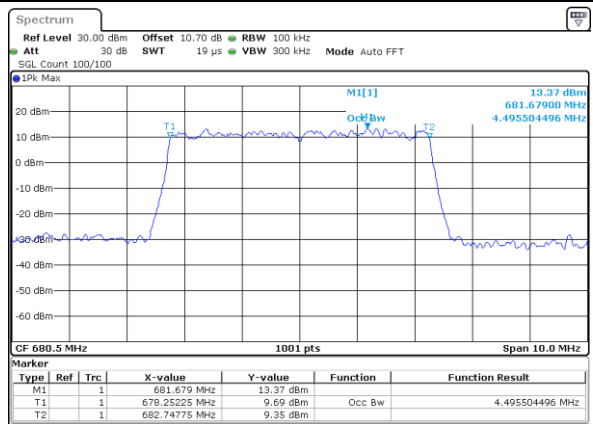
Date: 18 FEB 2018 02:54:23

## Middle Channel / 5MHz / QPSK



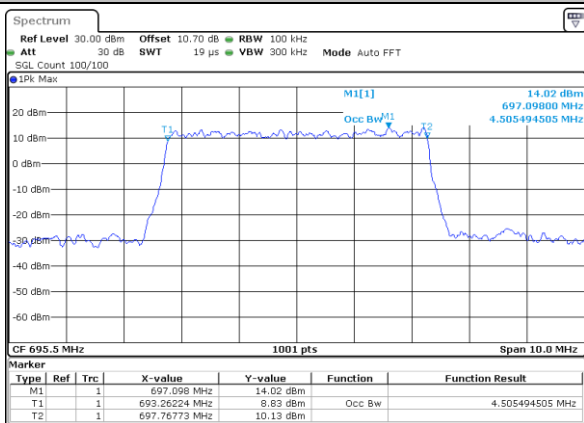
Date: 18 FEB 2018 03:19:48

## Middle Channel / 5MHz / 16QAM



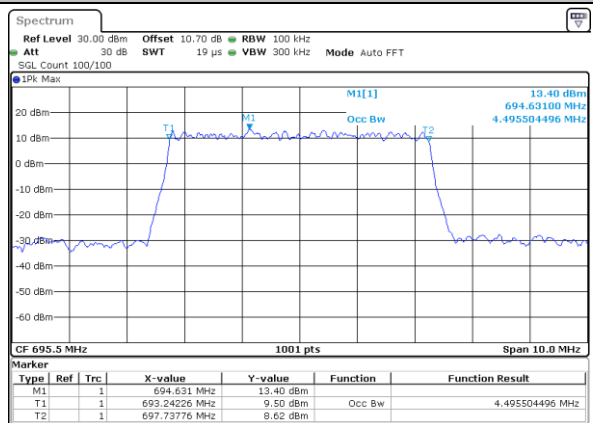
Date: 18 FEB 2018 03:17:26

## Highest Channel / 5MHz / QPSK



Date: 18 FEB 2018 03:28:19

## Highest Channel / 5MHz / 16QAM

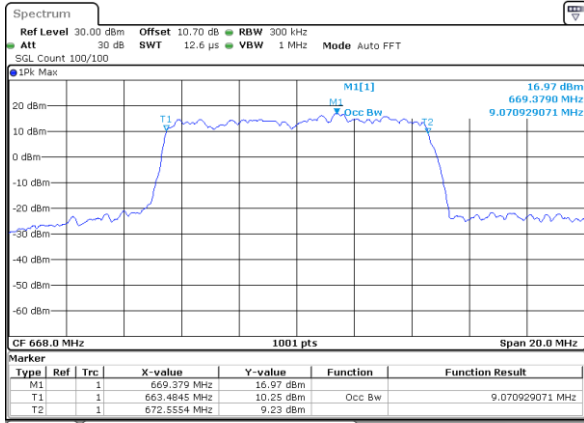


Date: 18 FEB 2018 03:30:35



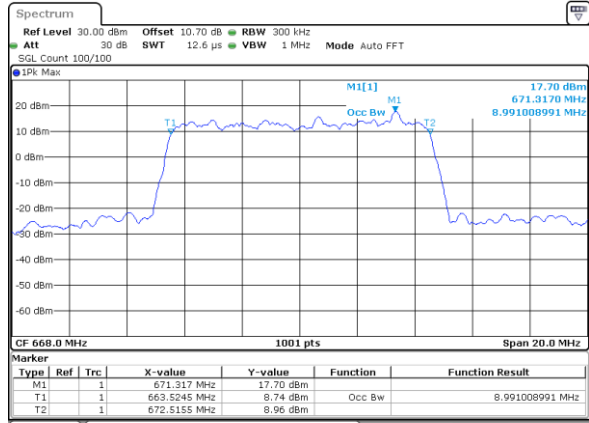
## LTE Band 71

## Lowest Channel / 10MHz / QPSK



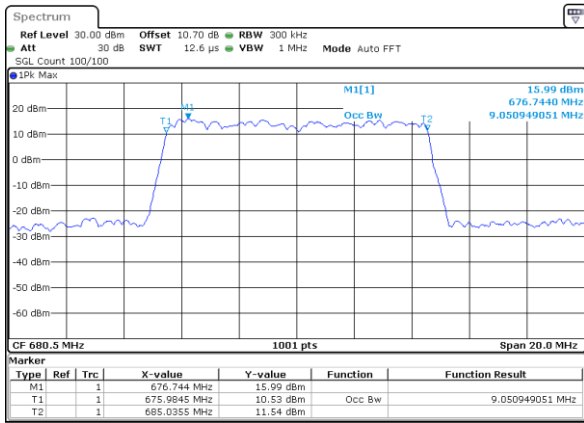
Date: 18 FEB 2018 11:03:41

## Lowest Channel / 10MHz / 16QAM



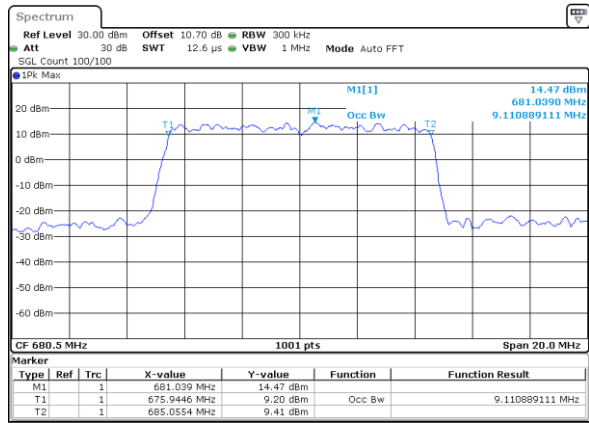
Date: 18 FEB 2018 11:02:32

## Middle Channel / 10MHz / QPSK



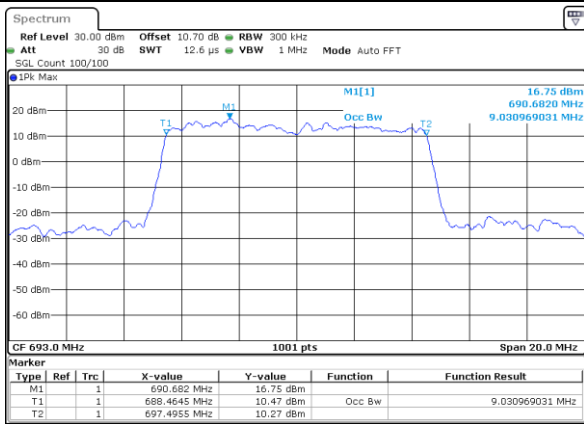
Date: 18 FEB 2018 11:08:29

## Middle Channel / 10MHz / 16QAM



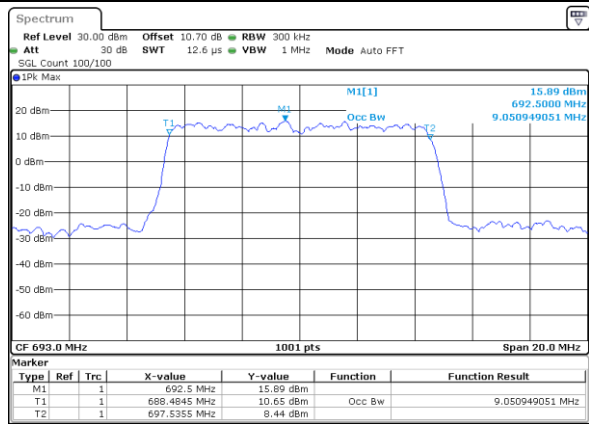
Date: 18 FEB 2018 11:09:38

## Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:34

## Highest Channel / 10MHz / 16QAM

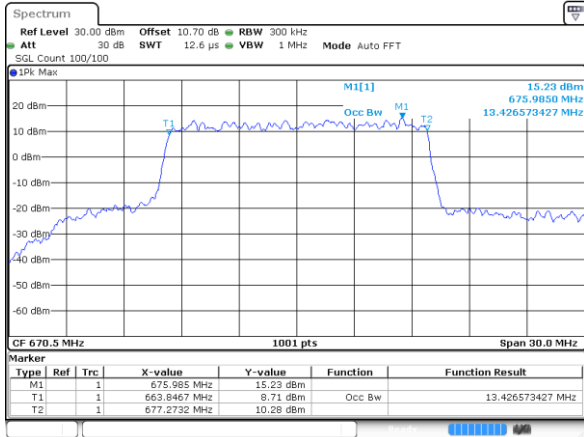


Date: 18 FEB 2018 11:39:11

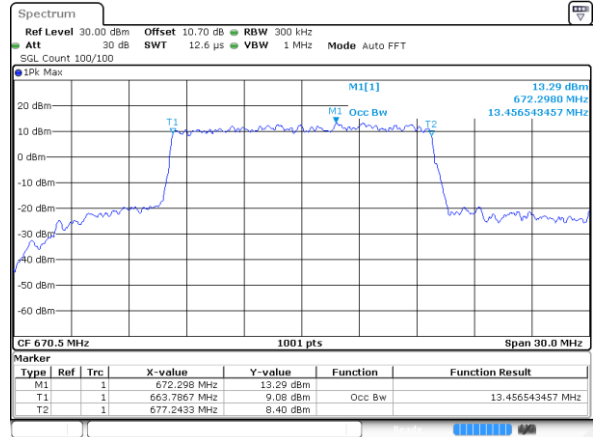


## LTE Band 71

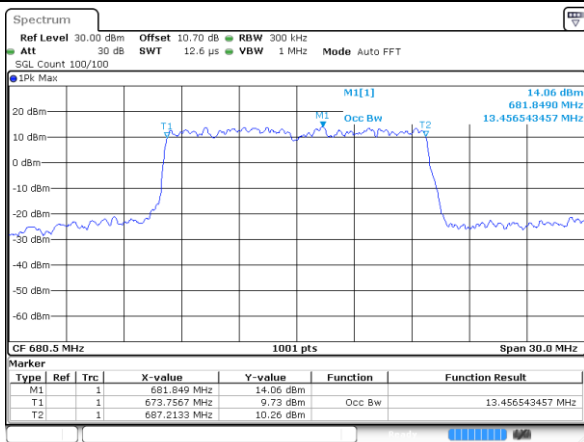
## Lowest Channel / 15MHz / QPSK



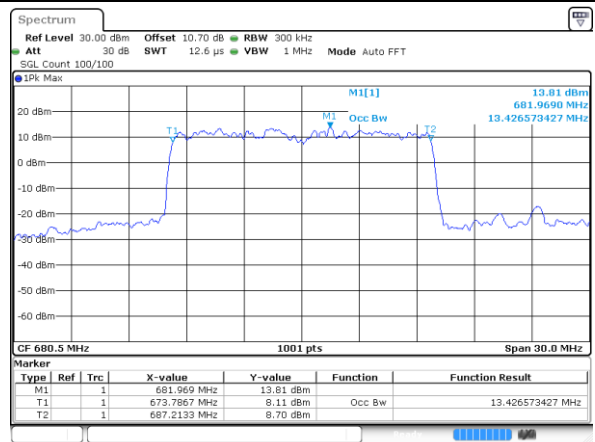
## Lowest Channel / 15MHz / 16QAM



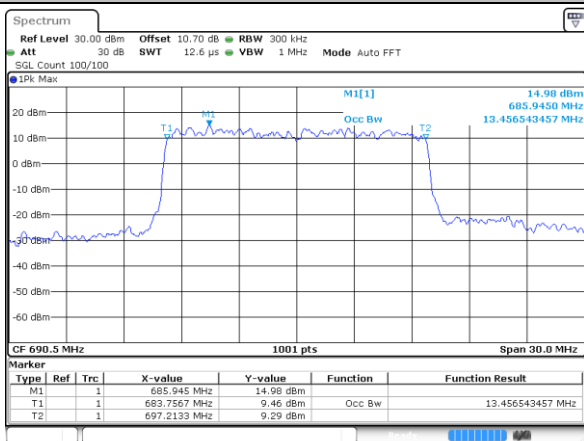
## Middle Channel / 15MHz / QPSK



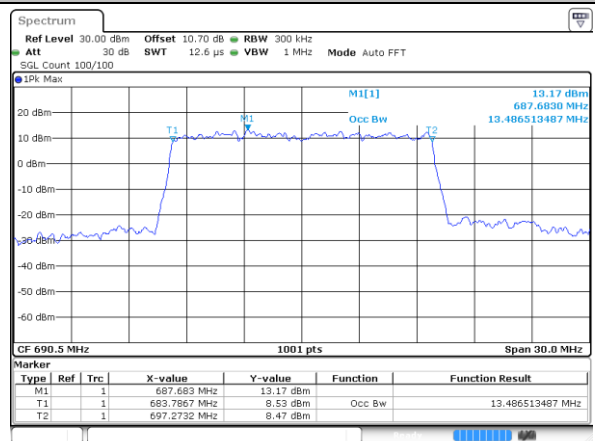
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



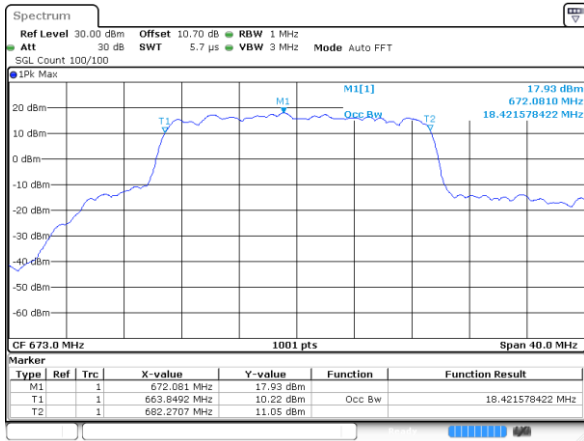
## Highest Channel / 15MHz / 16QAM





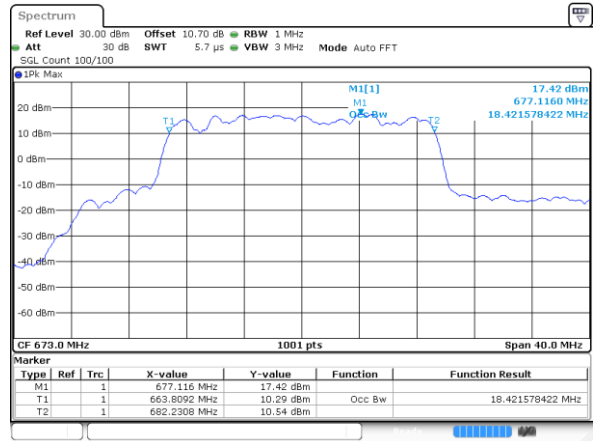
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



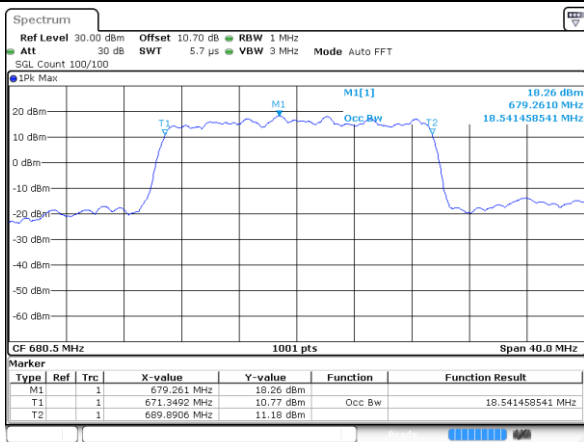
Date: 18 FEB 2018 12:51:43

## Lowest Channel / 20MHz / 16QAM



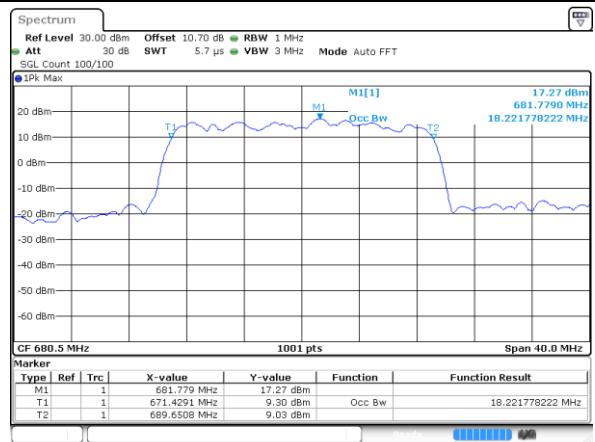
Date: 18 FEB 2018 13:22:34

## Middle Channel / 20MHz / QPSK



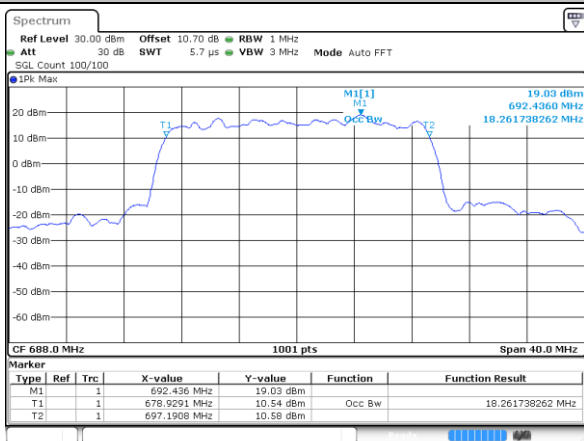
Date: 18 FEB 2018 13:33:55

## Middle Channel / 20MHz / 16QAM



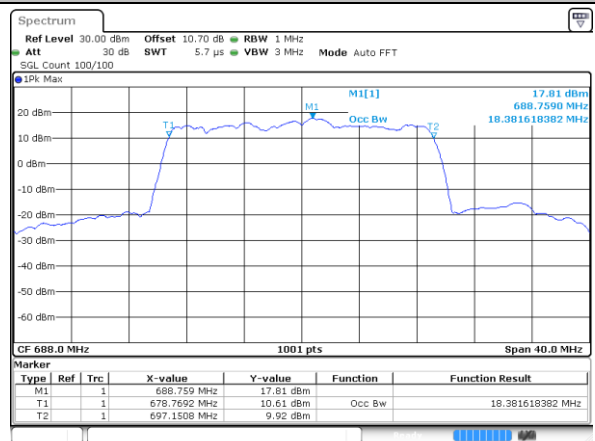
Date: 18 FEB 2018 13:35:02

## Highest Channel / 20MHz / QPSK



Date: 18 FEB 2018 14:23:02

## Highest Channel / 20MHz / 16QAM

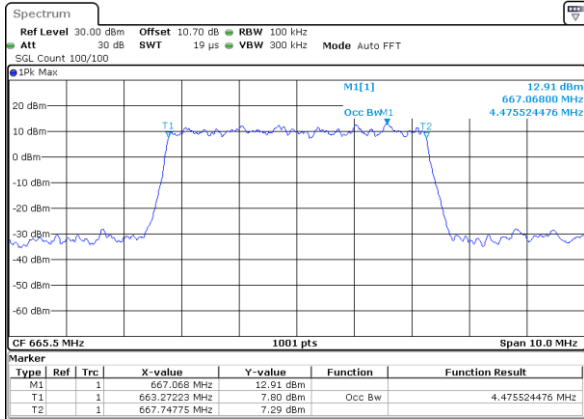


Date: 18 FEB 2018 13:59:27

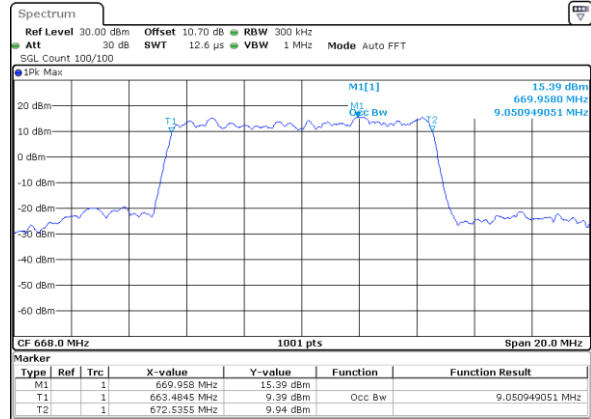


## LTE Band 71

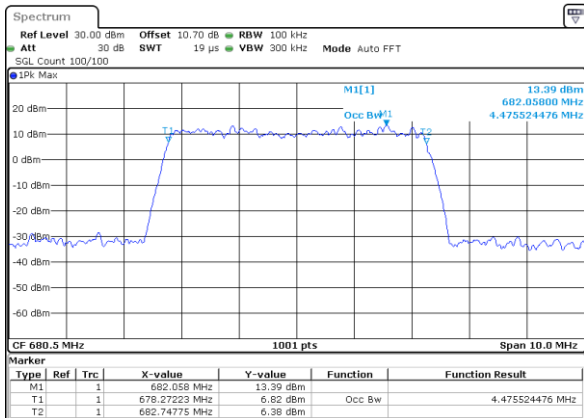
## Lowest Channel / 5MHz / 64QAM



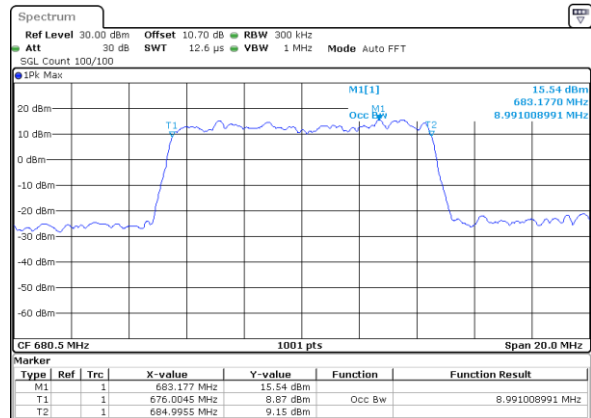
## Lowest Channel / 10MHz / 64QAM



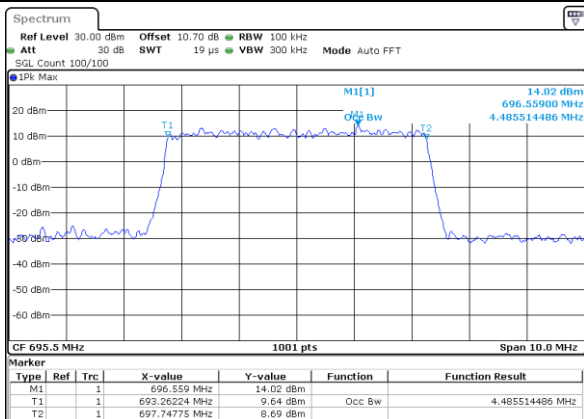
## Middle Channel / 5MHz / 64QAM



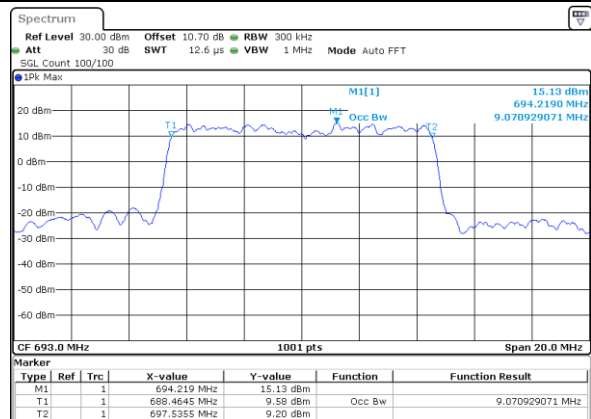
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



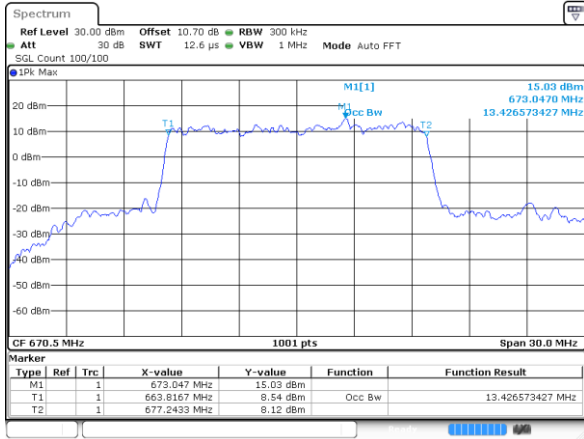
## Highest Channel / 10MHz / 64QAM



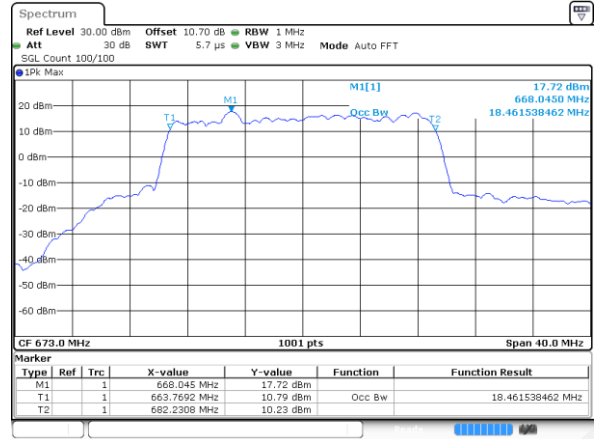


## LTE Band 71

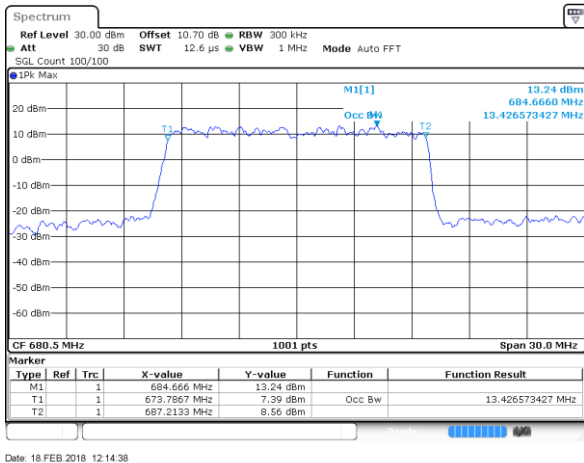
## Lowest Channel / 15MHz / 64QAM



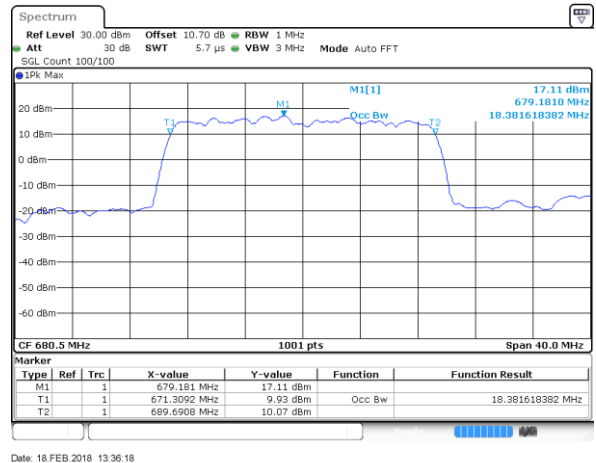
## Lowest Channel / 20MHz / 64QAM



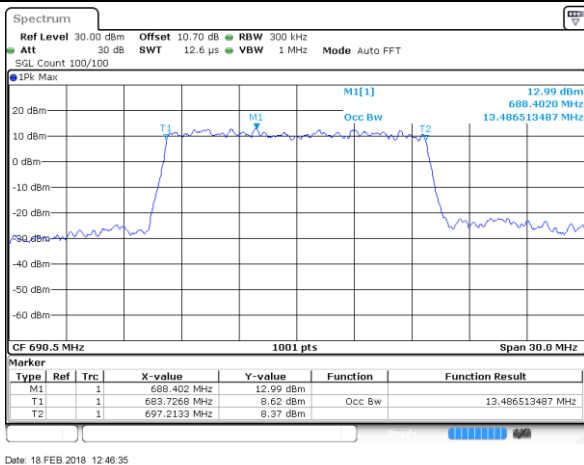
## Middle Channel / 15MHz / 64QAM



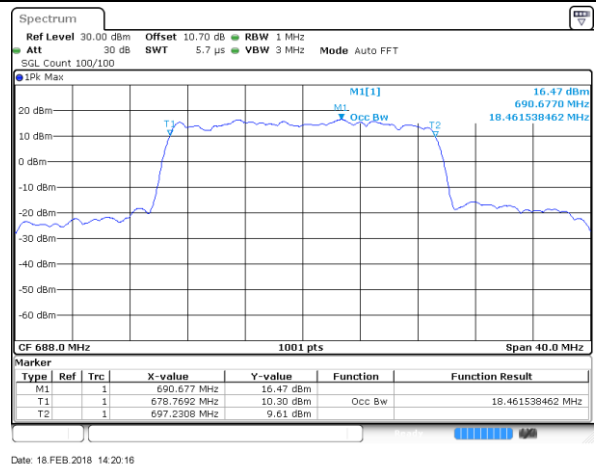
## Middle Channel / 20MHz / 64QAM

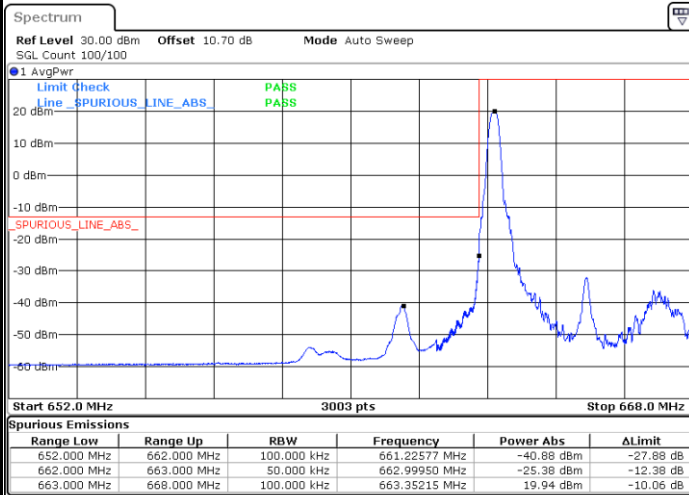
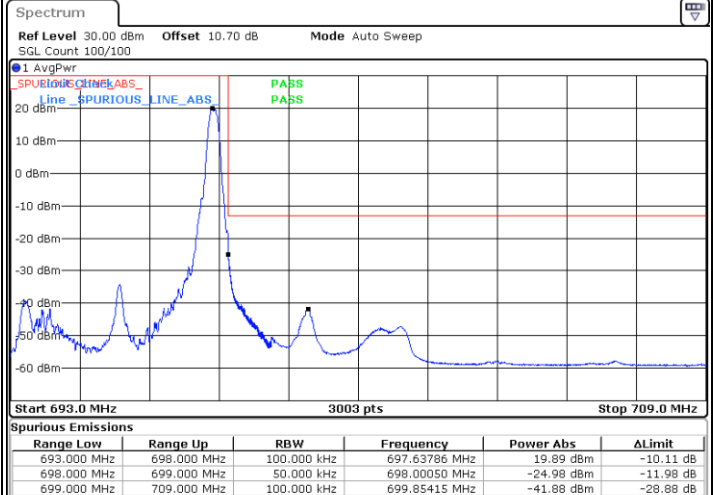
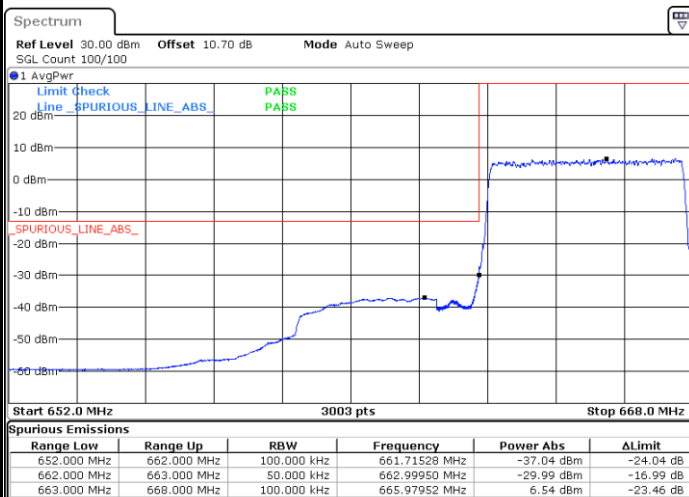
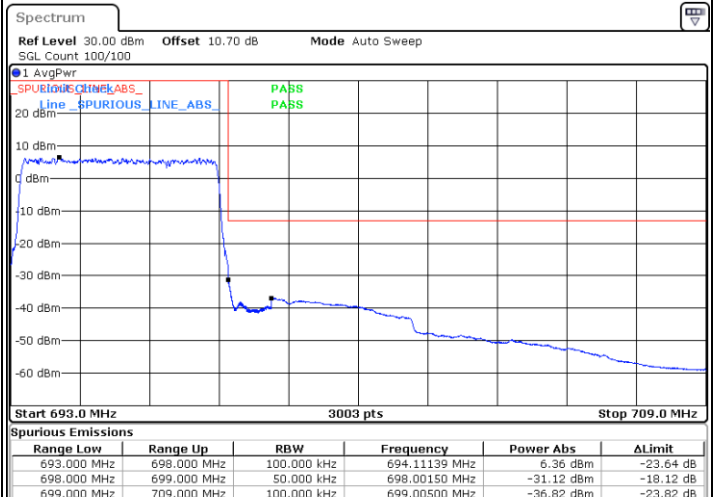


## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM

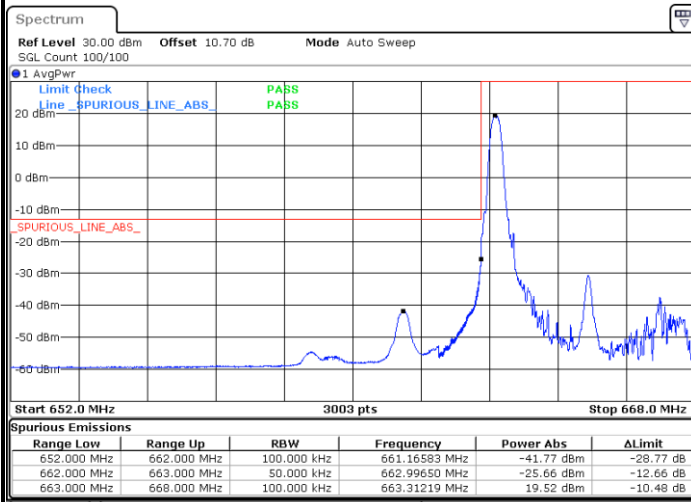


**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



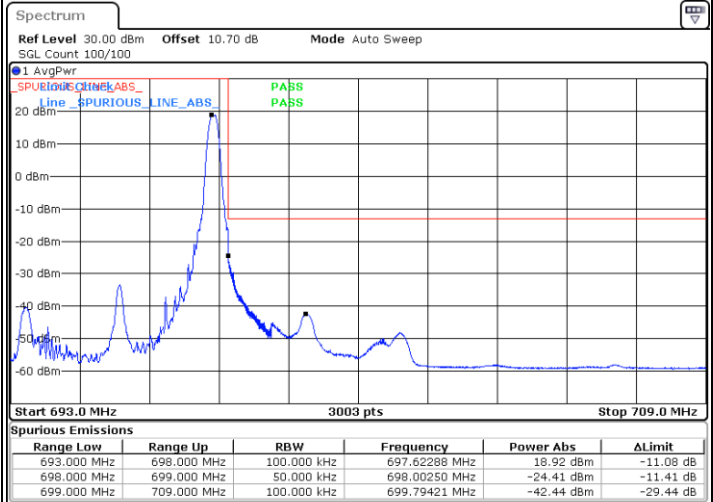
## LTE Band 71 / 5MHz / 16QAM

## Lowest Band Edge / 1 RB



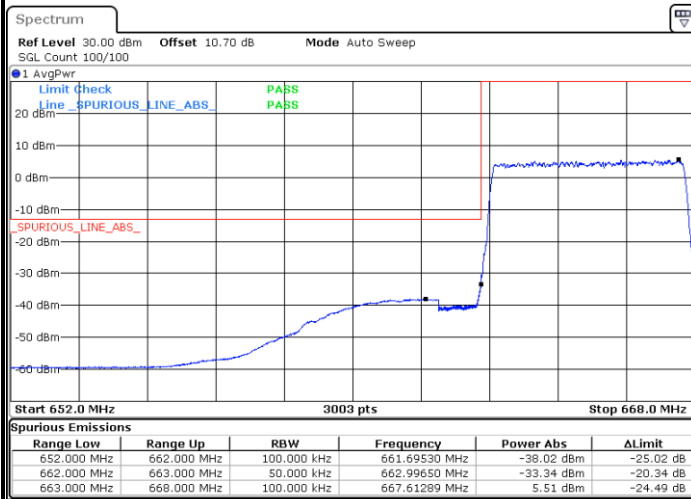
Date: 18.FEB.2018 03:44:33

## Highest Band Edge / 1 RB



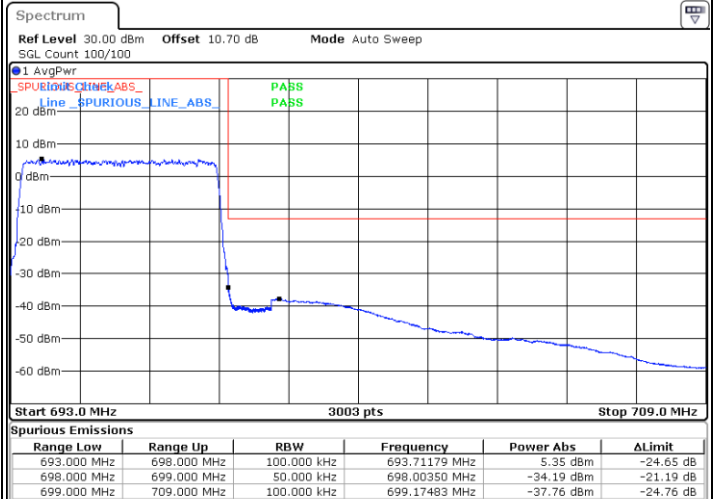
Date: 18.FEB.2018 03:38:57

## Lowest Band Edge / Full RB



Date: 18.FEB.2018 02:55:42

## Highest Band Edge / Full RB



Date: 18.FEB.2018 15:10:08