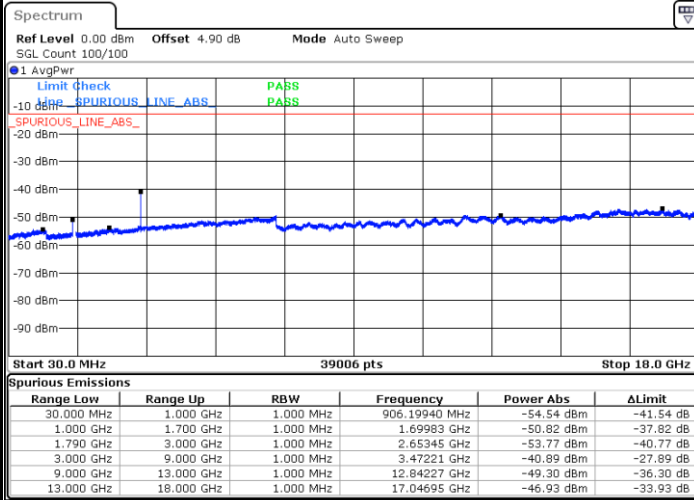




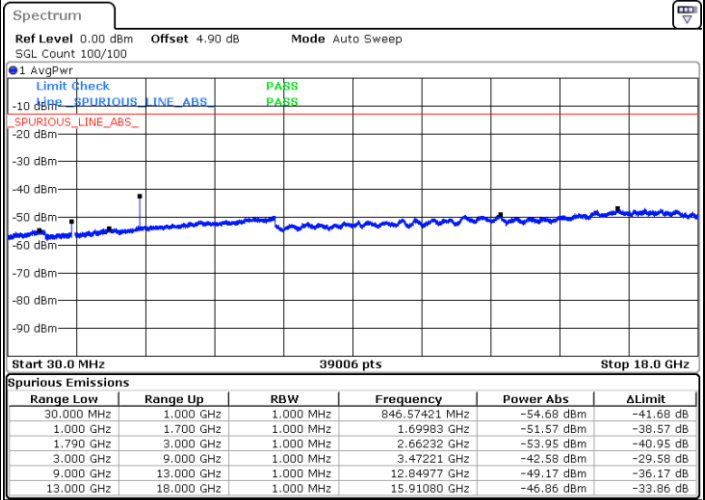
## LTE Band 66 / 20MHz

## Middle Channel / QPSK



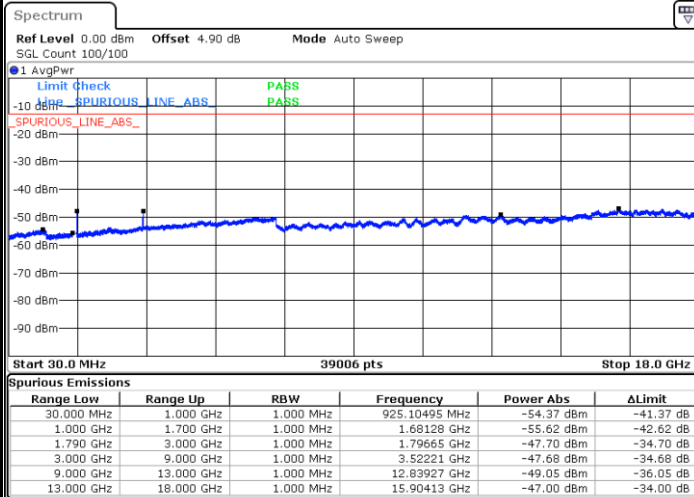
Date: 4 DEC. 2019 14:33:17

## Middle Channel / 16QAM



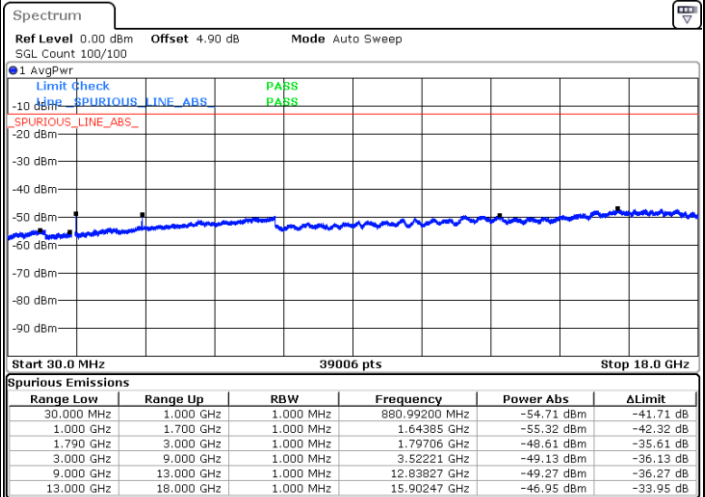
Date: 4 DEC. 2019 14:32:13

## Highest Channel / QPSK



Date: 4 DEC. 2019 14:28:08

## Highest Channel / 16QAM



Date: 4 DEC. 2019 14:30:24

## 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    | 0.0006                              | PASS    |
| 40               | Normal Voltage    | 0.0026                              |         |
| 30               | Normal Voltage    | 0.0008                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0016                              |         |
| 0                | Normal Voltage    | 0.0004                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0022                              |         |
| -30              | Normal Voltage    | 0.0028                              |         |
| 20               | Maximum Voltage   | 0.0002                              |         |
| 20               | Normal Voltage    | 0.0006                              |         |
| 20               | Battery End Point | 0.0012                              |         |

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 71

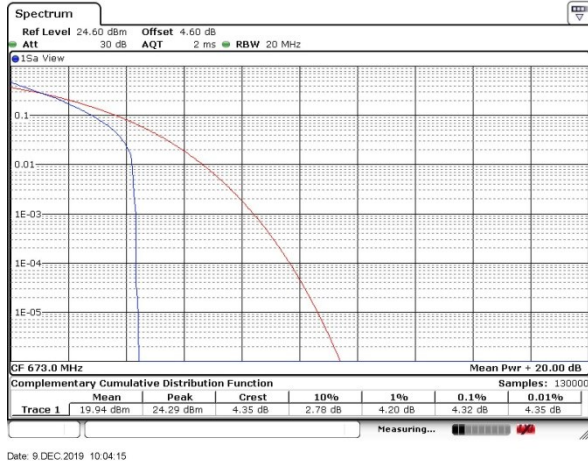
### Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.32                | 5.25    | 5.30  | 6.20    | <b>PASS</b> |
| Middle CH  | 4.93                | 4.84    | 5.54  | 6.17    |             |
| Highest CH | 4.75                | 5.25    | 5.80  | 6.29    |             |

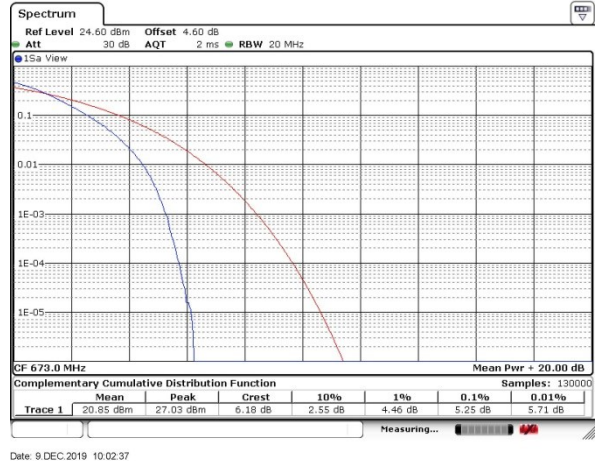


## LTE Band 71 / 20MHz / QPSK

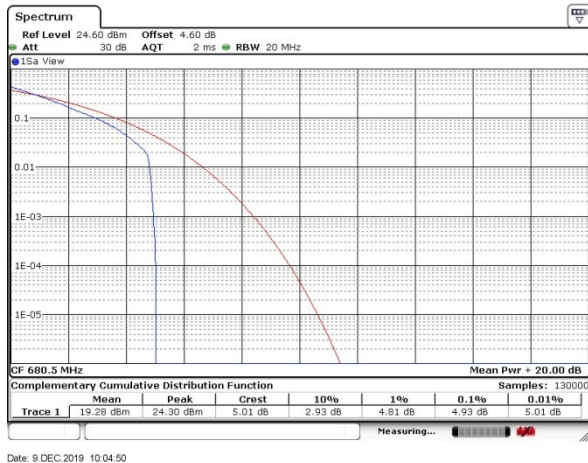
## Lowest Channel / 1RB



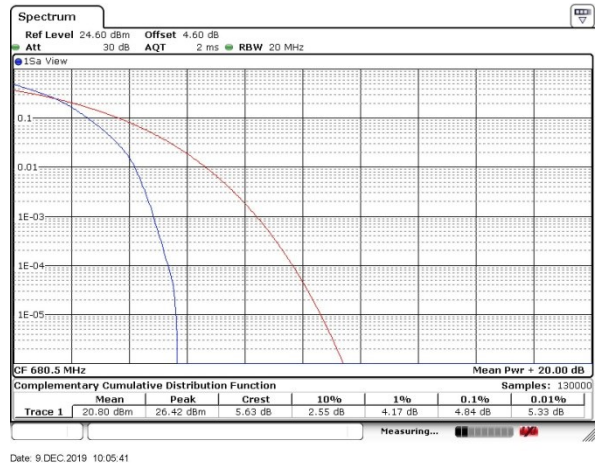
## Lowest Channel / Full RB



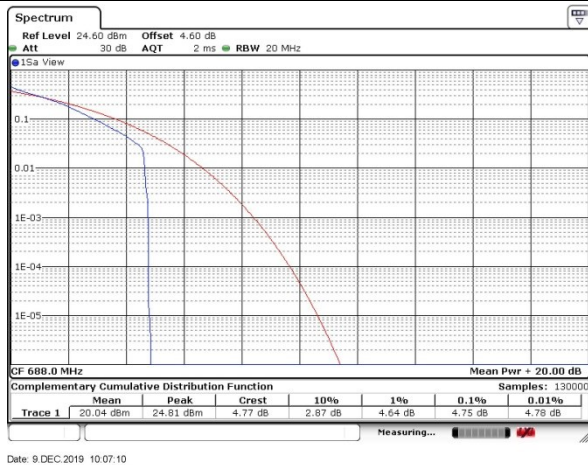
## Middle Channel / 1RB



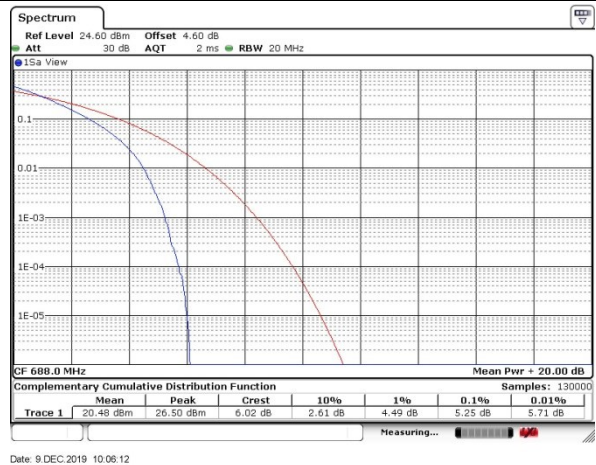
## Middle Channel / Full RB



## Highest Channel / 1RB



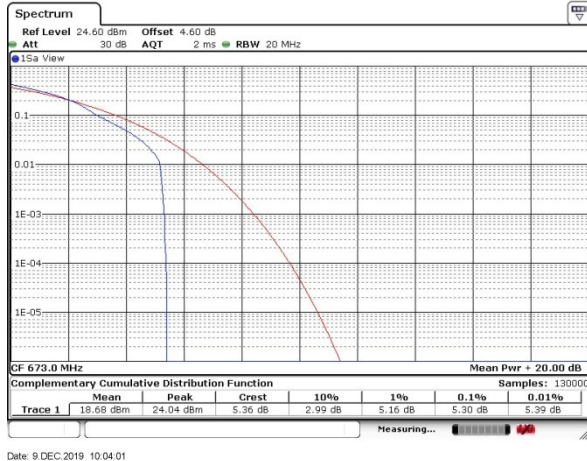
## Highest Channel / Full RB



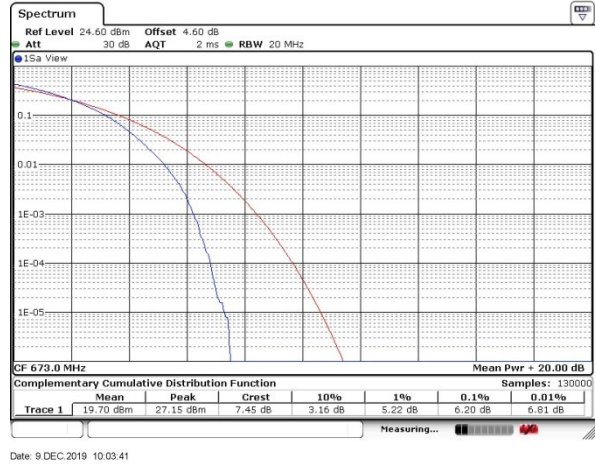


## LTE Band 71 / 20MHz / 16QAM

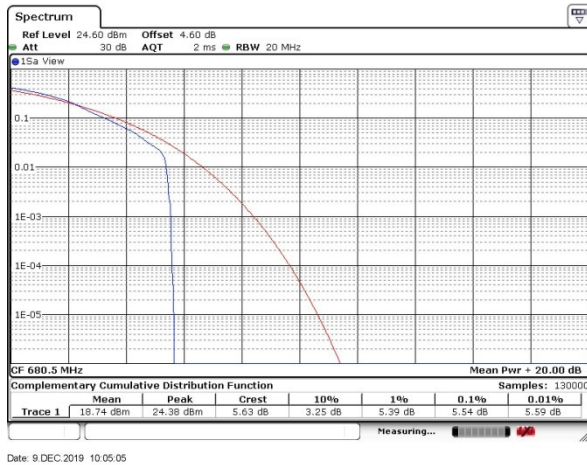
## Lowest Channel / 1RB



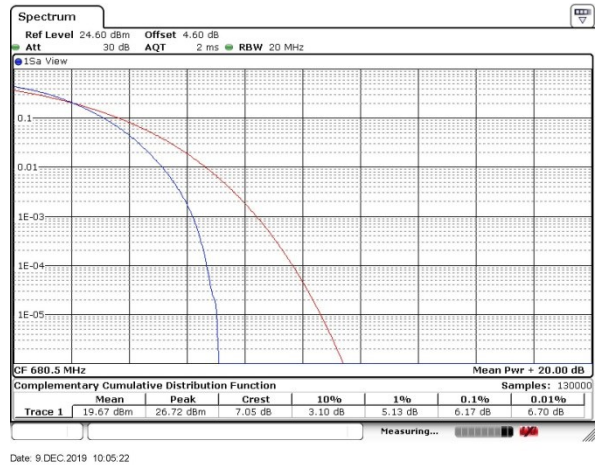
## Lowest Channel / Full RB



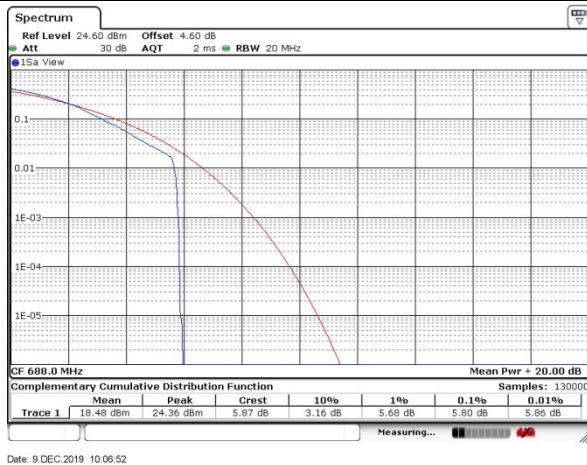
## Middle Channel / 1RB



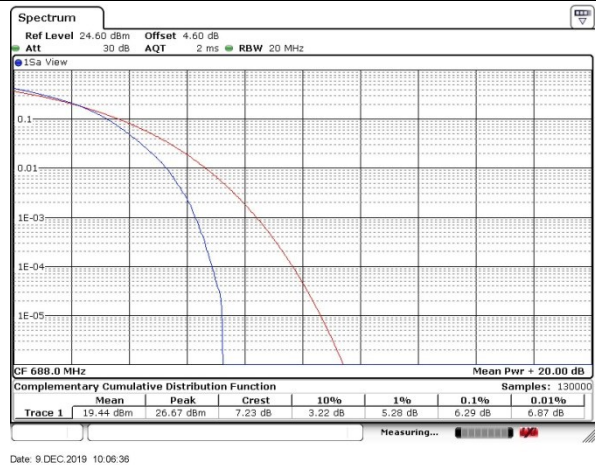
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



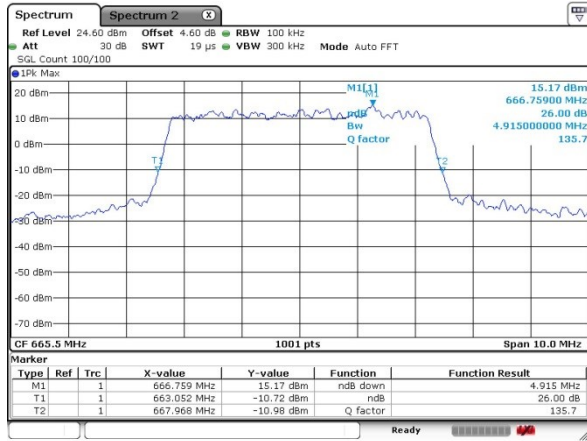
**26dB Bandwidth**

| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |        |        |       |       |  |  |  |  |
|------------|----------------------------|-------|-------|-------|--------|--------|-------|-------|--|--|--|--|
| BW         | 5MHz                       |       | 10MHz |       | 15MHz  |        | 20MHz |       |  |  |  |  |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK  | 16QAM |  |  |  |  |
| Lowest CH  | 4.915                      | 4.885 | 9.85  | 9.87  | 14.386 | 14.326 | 20.1  | 20.14 |  |  |  |  |
| Middle CH  | 4.885                      | 4.885 | 9.71  | 9.73  | 14.326 | 14.416 | 20.1  | 20.1  |  |  |  |  |
| Highest CH | 4.985                      | 4.795 | 9.79  | 9.91  | 14.416 | 14.565 | 20.22 | 20.26 |  |  |  |  |



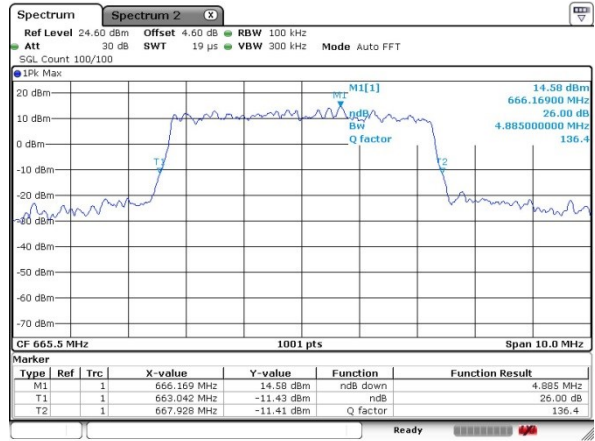
## LTE Band 71

## Lowest Channel / 5MHz / QPSK



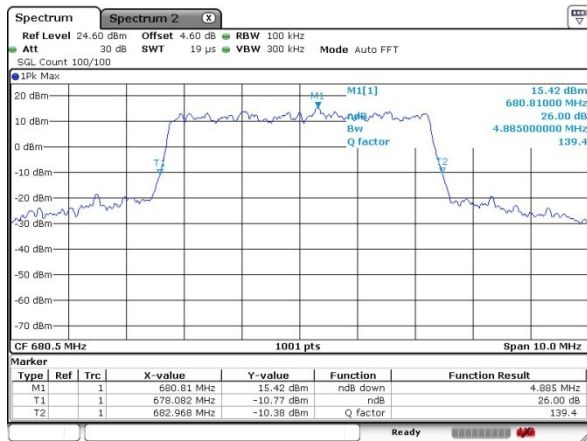
Date: 9 DEC 2019 14:22:22

## Lowest Channel / 5MHz / 16QAM



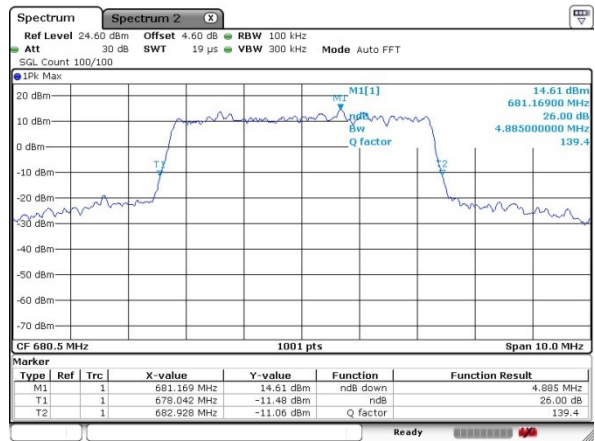
Date: 9 DEC 2019 14:23:32

## Middle Channel / 5MHz / QPSK



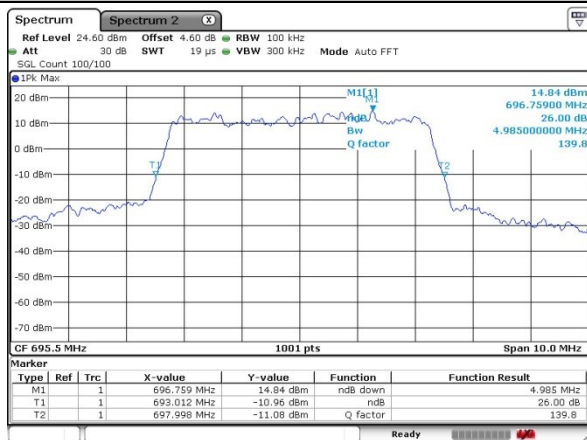
Date: 9 DEC 2019 14:19:07

## Middle Channel / 5MHz / 16QAM



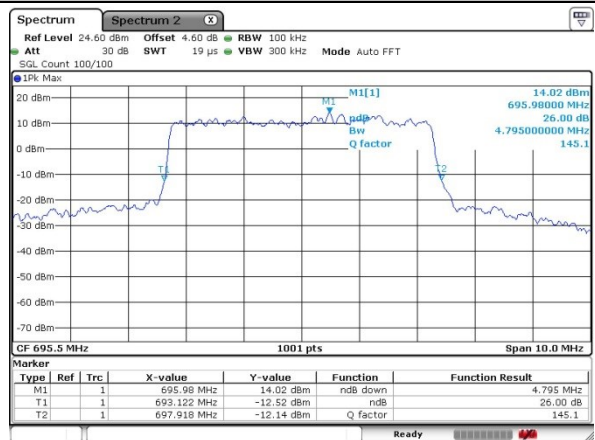
Date: 9 DEC 2019 14:20:13

## Highest Channel / 5MHz / QPSK



Date: 9 DEC 2019 14:21:49

## Highest Channel / 5MHz / 16QAM

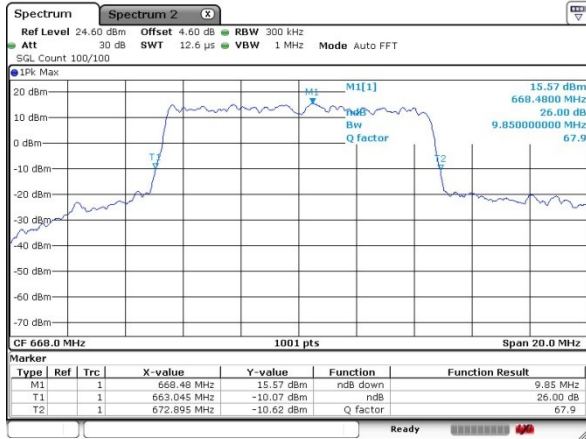


Date: 9 DEC 2019 14:20:49



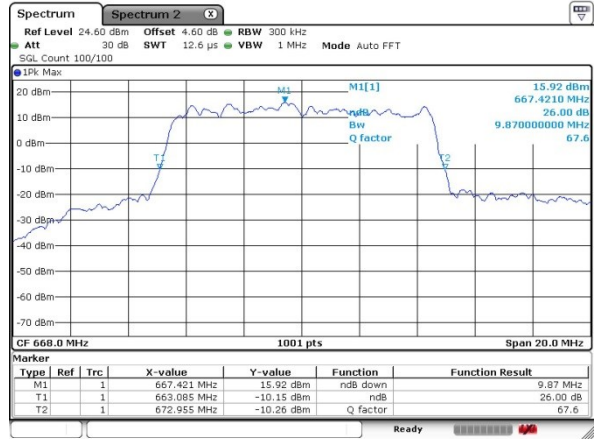
## LTE Band 71

## Lowest Channel / 10MHz / QPSK



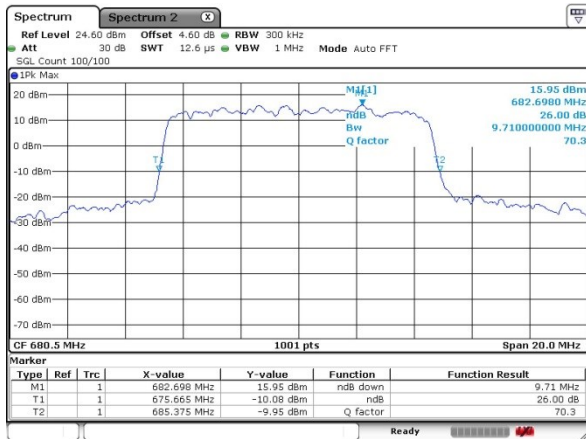
Date: 9 DEC 2019 14:09:55

## Lowest Channel / 10MHz / 16QAM



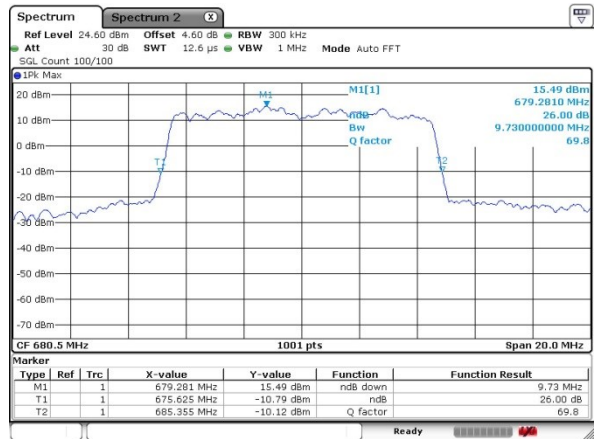
Date: 9 DEC 2019 14:08:58

## Middle Channel / 10MHz / QPSK



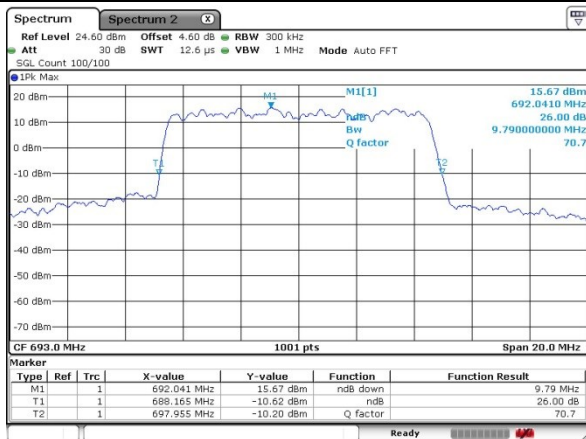
Date: 9 DEC 2019 14:06:46

## Middle Channel / 10MHz / 16QAM



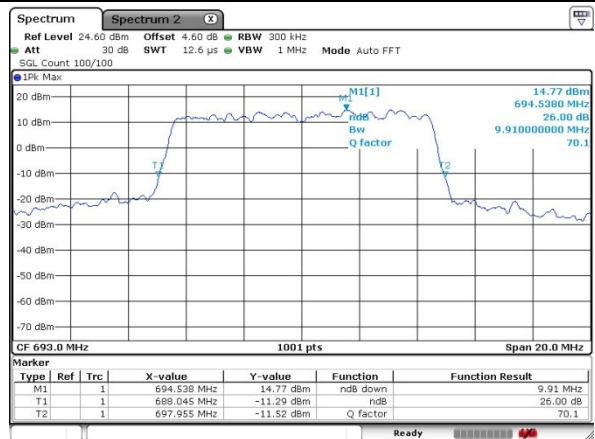
Date: 9 DEC 2019 14:05:54

## Highest Channel / 10MHz / QPSK



Date: 9 DEC 2019 14:07:18

## Highest Channel / 10MHz / 16QAM

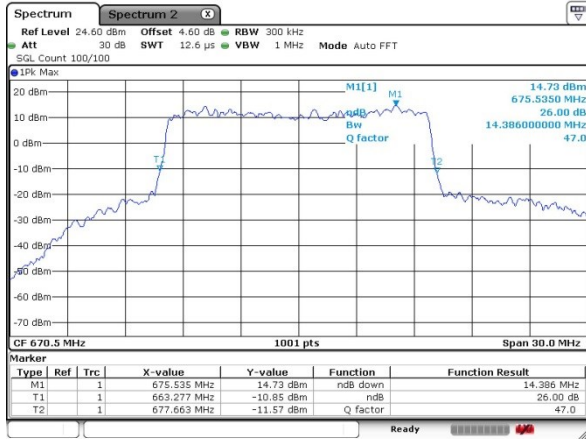


Date: 9 DEC 2019 14:08:19



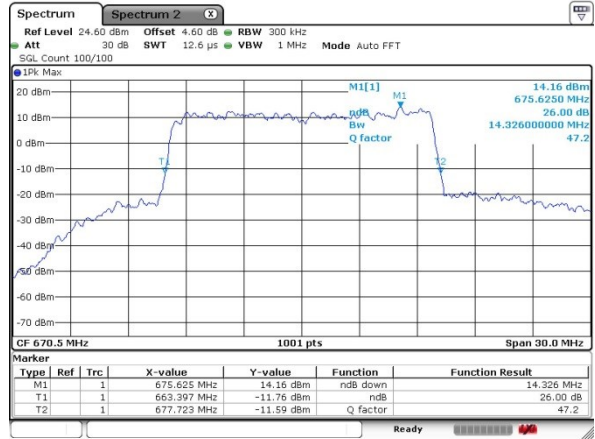
## LTE Band 71

## Lowest Channel / 15MHz / QPSK



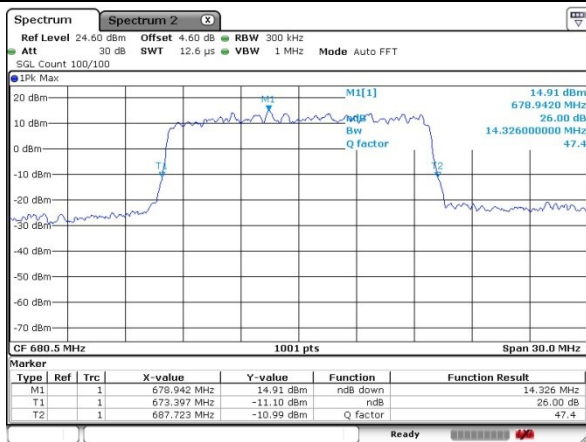
Date: 9 DEC 2019 14:03:08

## Lowest Channel / 15MHz / 16QAM



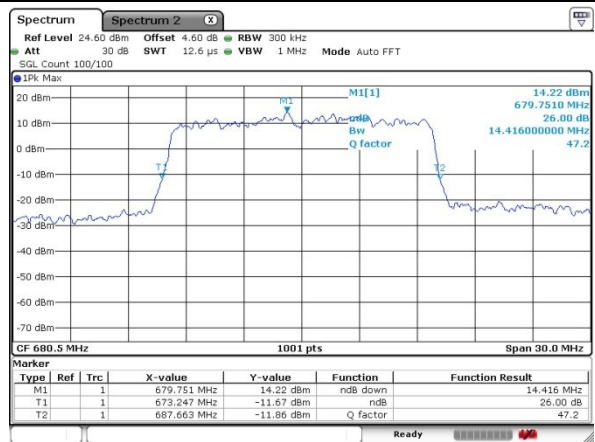
Date: 9 DEC 2019 14:03:28

## Middle Channel / 15MHz / QPSK



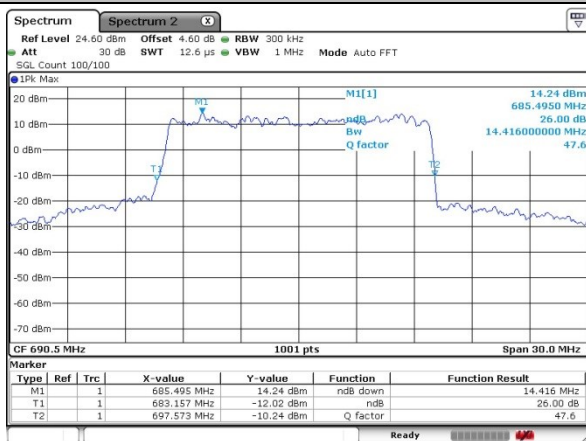
Date: 9 DEC 2019 14:00:22

## Middle Channel / 15MHz / 16QAM



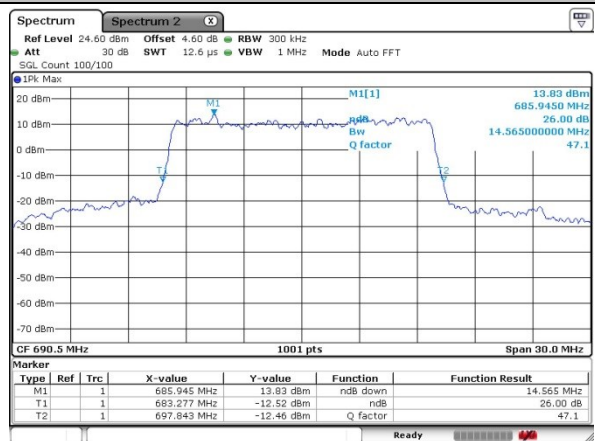
Date: 9 DEC 2019 14:00:40

## Highest Channel / 15MHz / QPSK



Date: 9 DEC 2019 14:02:07

## Highest Channel / 15MHz / 16QAM

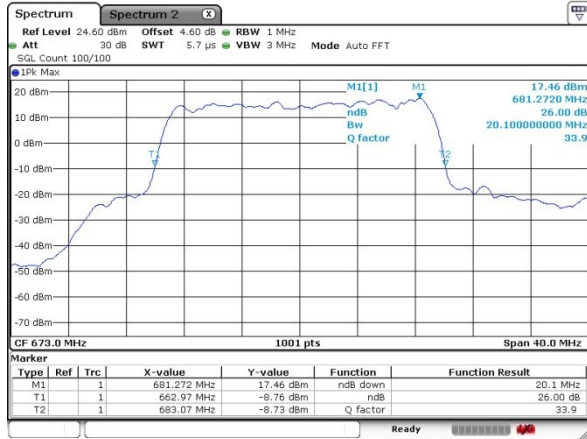


Date: 9 DEC 2019 14:01:48



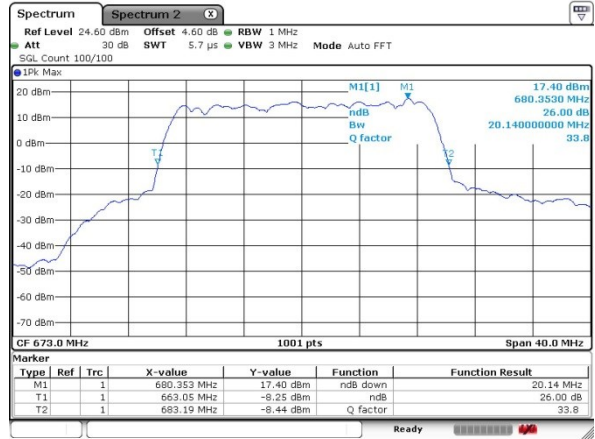
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



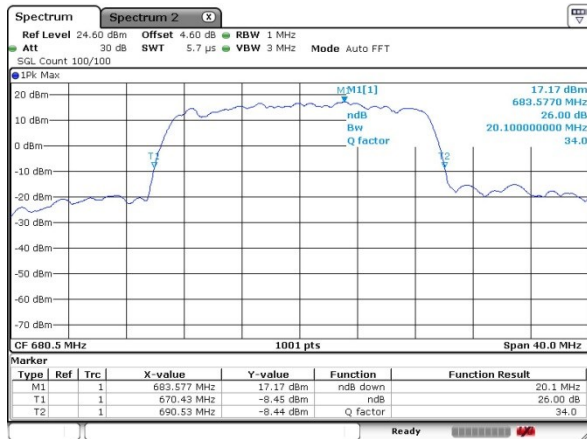
Date: 9 DEC 2019 13:57:24

## Lowest Channel / 20MHz / 16QAM



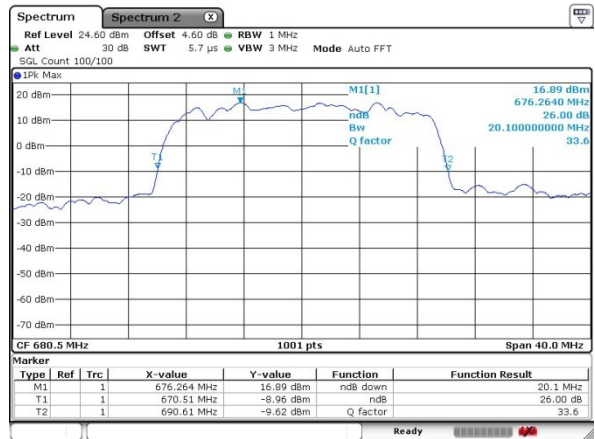
Date: 9 DEC 2019 13:56:24

## Middle Channel / 20MHz / QPSK



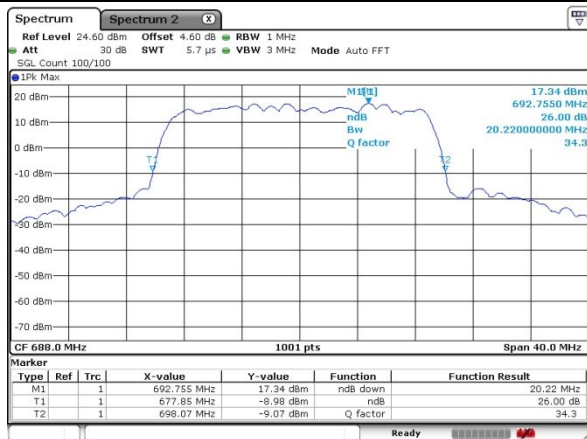
Date: 9 DEC 2019 13:55:03

## Middle Channel / 20MHz / 16QAM



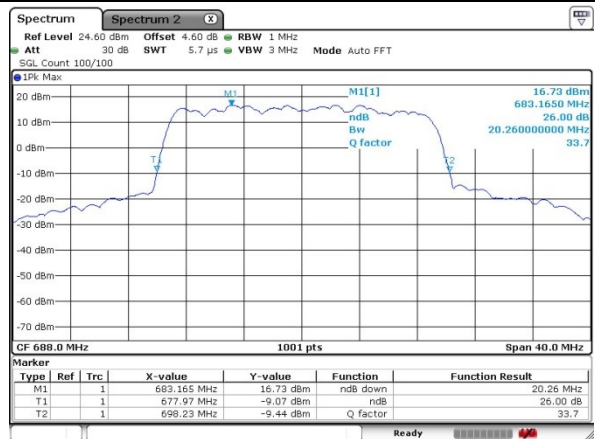
Date: 9 DEC 2019 13:55:52

## Highest Channel / 20MHz / QPSK



Date: 9 DEC 2019 13:54:03

## Highest Channel / 20MHz / 16QAM



Date: 9 DEC 2019 13:53:47

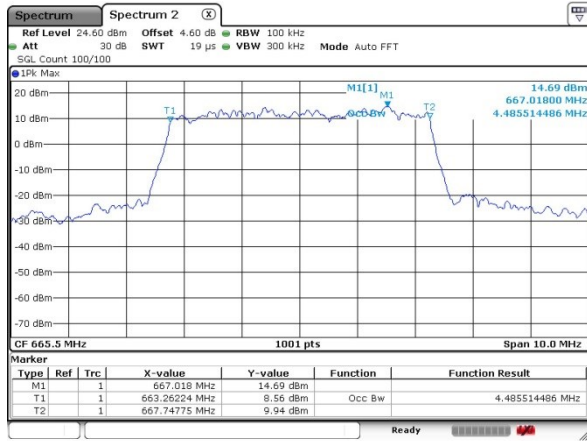
**Occupied Bandwidth**

| Mode       | LTE Band 71 : 99%OBW(MHz) |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 4.49                      | 4.51  | 8.99  | 8.97  | 13.49 | 13.46 | 18.26 | 18.34 |
| Middle CH  | 4.50                      | 4.50  | 8.95  | 8.97  | 13.34 | 13.37 | 18.22 | 17.94 |
| Highest CH | 4.50                      | 4.48  | 8.99  | 9.05  | 13.49 | 13.52 | 18.26 | 18.34 |



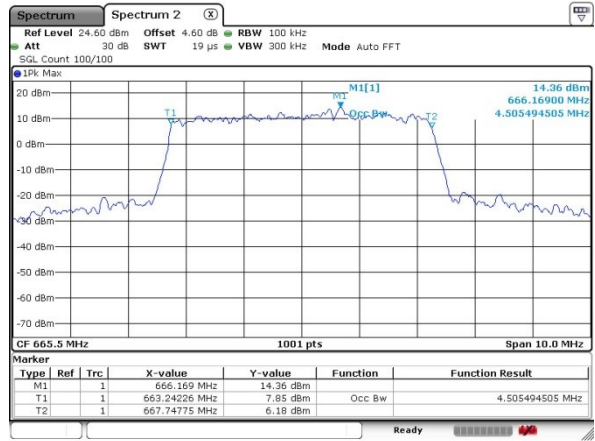
## LTE Band 71

## Lowest Channel / 5MHz / QPSK



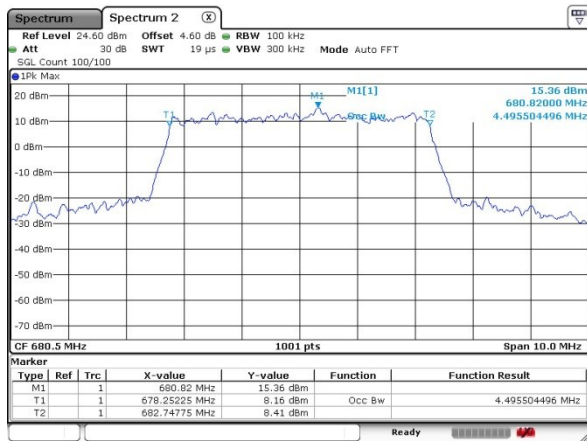
Date: 9 DEC 2019 14:22:56

## Lowest Channel / 5MHz / 16QAM



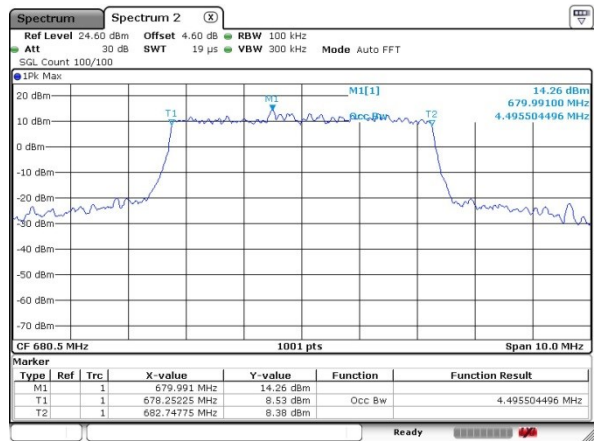
Date: 9 DEC 2019 14:23:15

## Middle Channel / 5MHz / QPSK



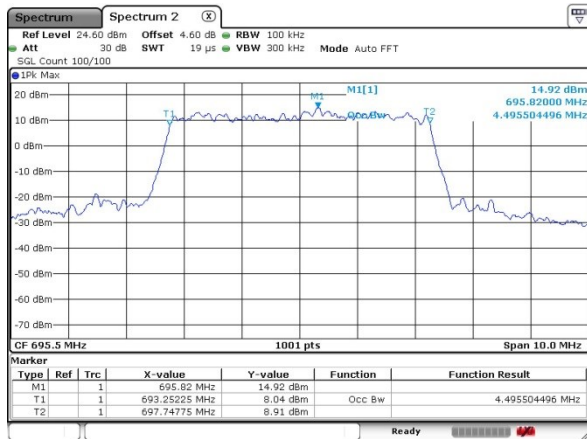
Date: 9 DEC 2019 14:19:29

## Middle Channel / 5MHz / 16QAM



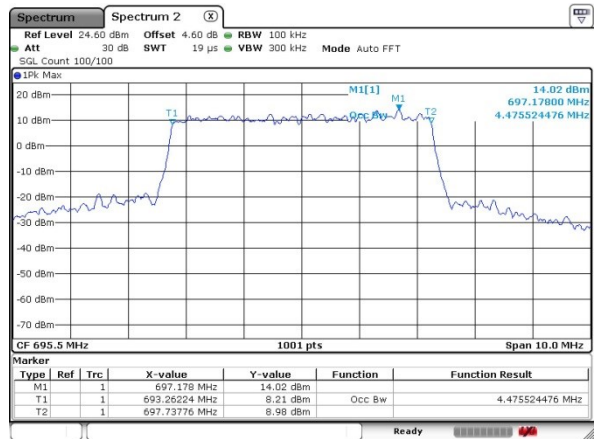
Date: 9 DEC 2019 14:19:50

## Highest Channel / 5MHz / QPSK



Date: 9 DEC 2019 14:21:36

## Highest Channel / 5MHz / 16QAM

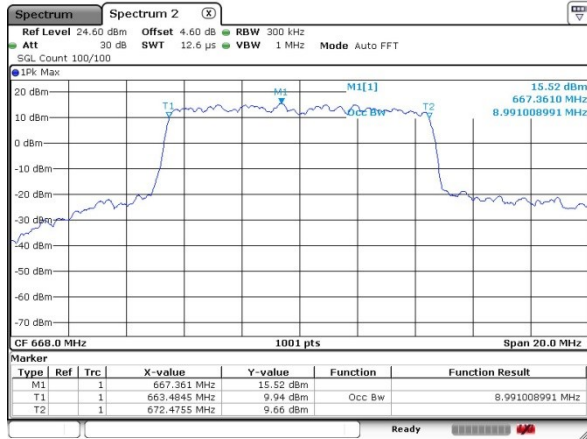


Date: 9 DEC 2019 14:21:11



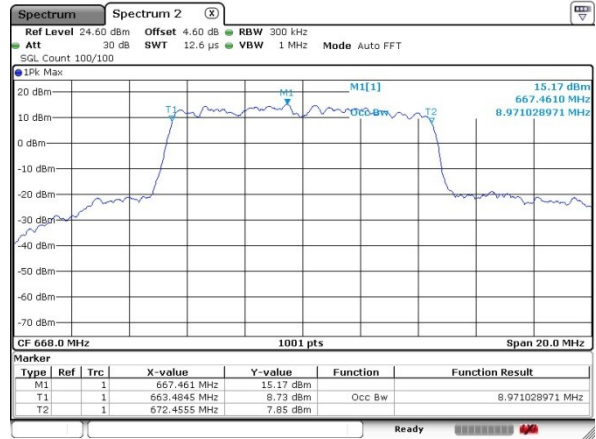
## LTE Band 71

## Lowest Channel / 10MHz / QPSK



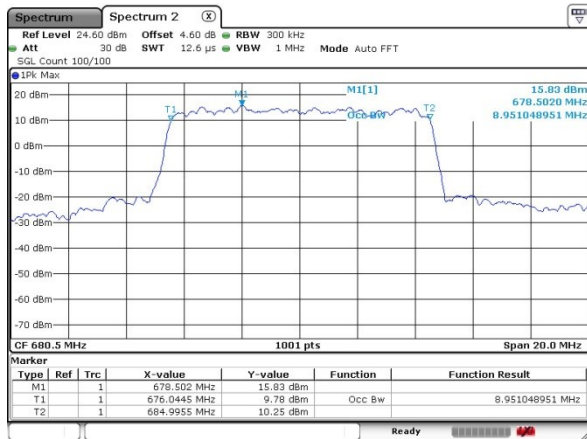
Date: 9 DEC 2019 14:09:43

## Lowest Channel / 10MHz / 16QAM



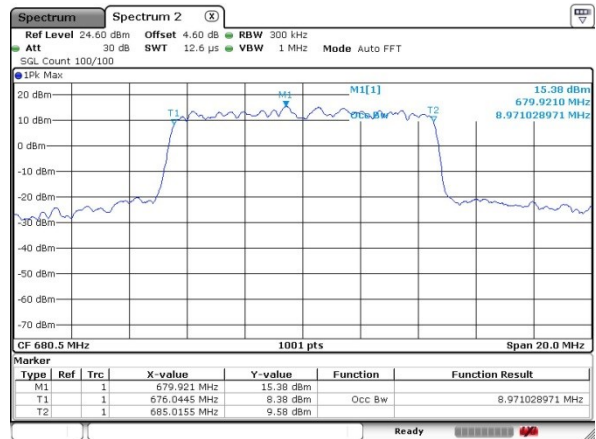
Date: 9 DEC 2019 14:09:27

## Middle Channel / 10MHz / QPSK



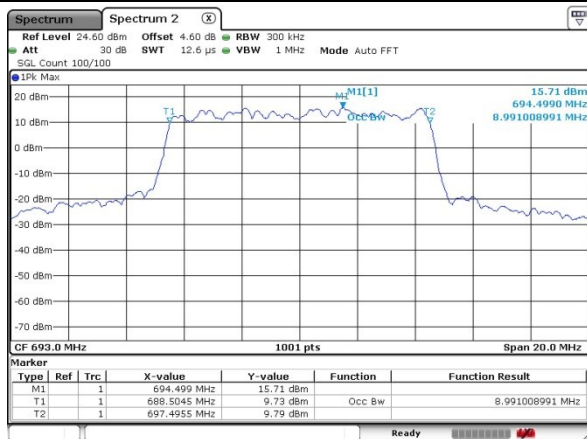
Date: 9 DEC 2019 14:06:28

## Middle Channel / 10MHz / 16QAM



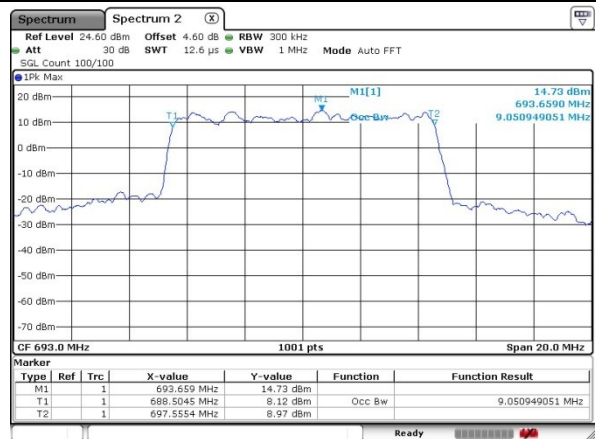
Date: 9 DEC 2019 14:05:26

## Highest Channel / 10MHz / QPSK



Date: 9 DEC 2019 14:07:42

## Highest Channel / 10MHz / 16QAM

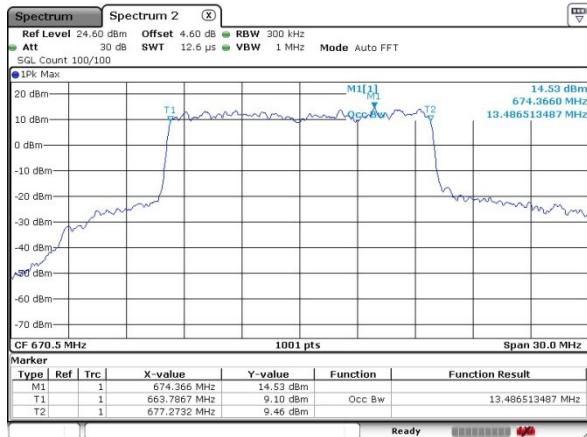


Date: 9 DEC 2019 14:06:08



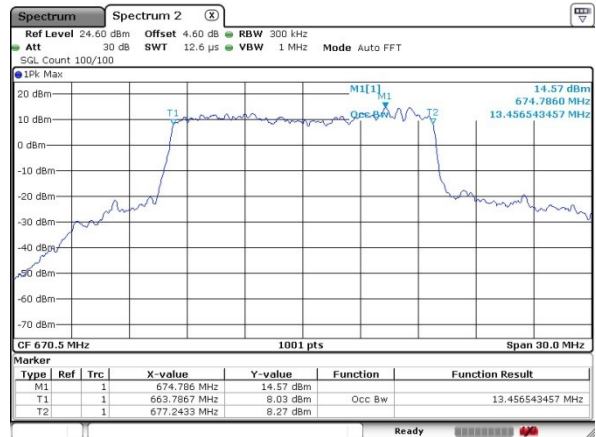
## LTE Band 71

## Lowest Channel / 15MHz / QPSK



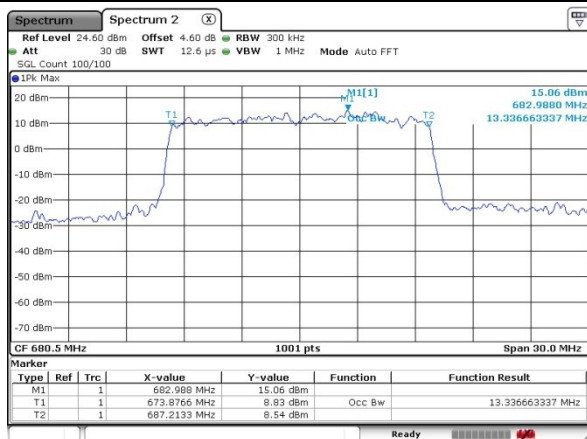
Date: 9 DEC 2019 14:02:53

## Lowest Channel / 15MHz / 16QAM



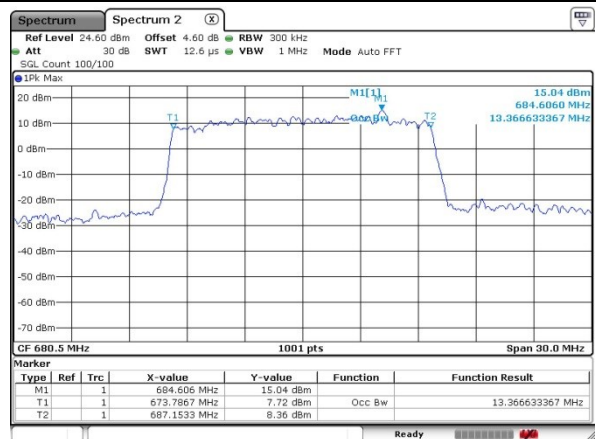
Date: 9 DEC 2019 14:03:40

## Middle Channel / 15MHz / QPSK



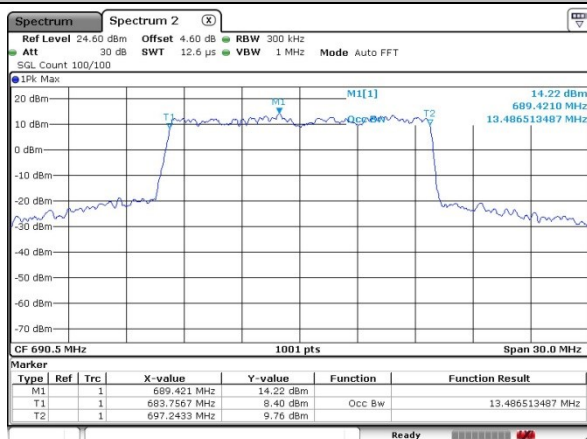
Date: 9 DEC 2019 13:59:47

## Middle Channel / 15MHz / 16QAM



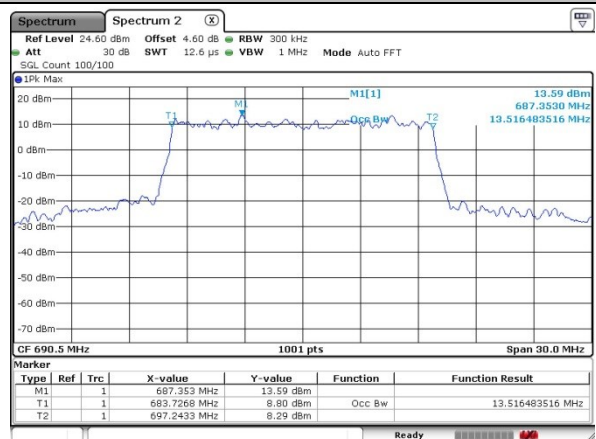
Date: 9 DEC 2019 14:00:53

## Highest Channel / 15MHz / QPSK



Date: 9 DEC 2019 14:02:27

## Highest Channel / 15MHz / 16QAM

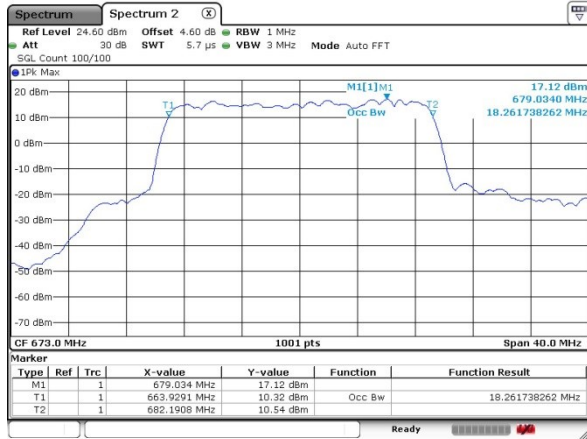


Date: 9 DEC 2019 14:01:24



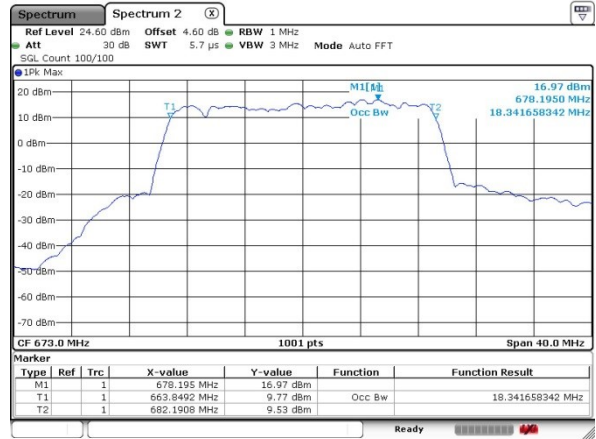
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



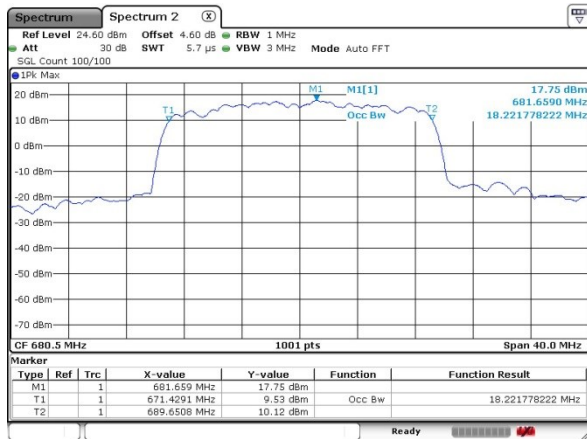
Date: 9 DEC 2019 13:57:08

## Lowest Channel / 20MHz / 16QAM



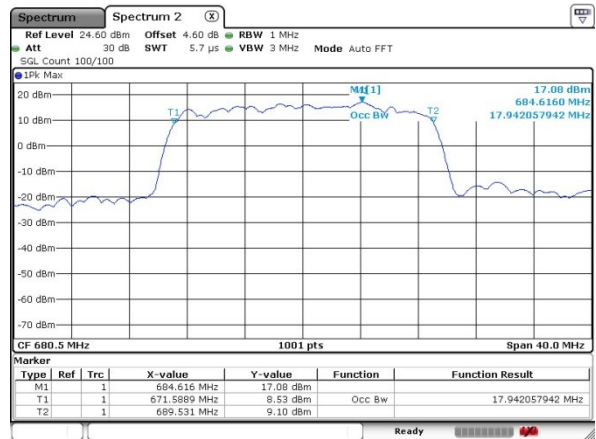
Date: 9 DEC 2019 13:56:49

## Middle Channel / 20MHz / QPSK



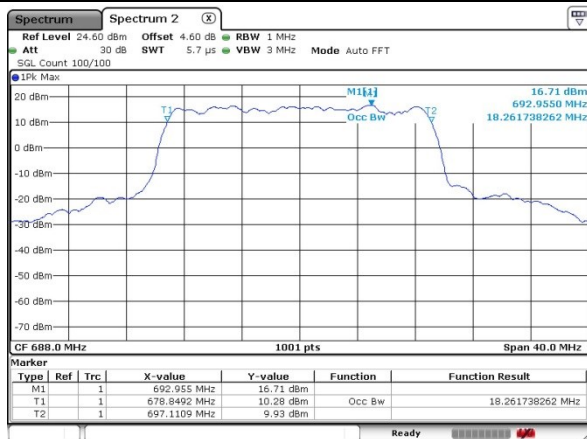
Date: 9 DEC 2019 13:55:19

## Middle Channel / 20MHz / 16QAM



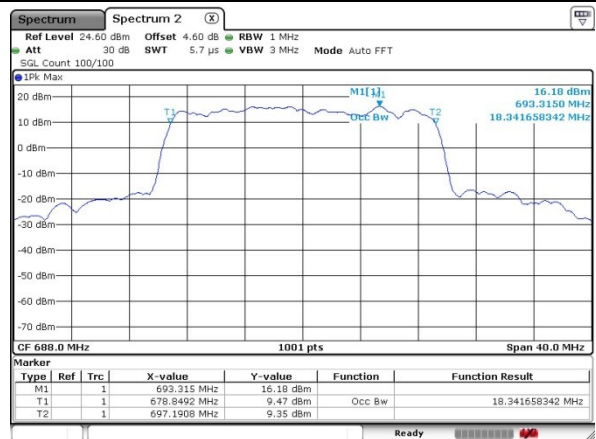
Date: 9 DEC 2019 13:55:39

## Highest Channel / 20MHz / QPSK



Date: 9 DEC 2019 13:54:19

## Highest Channel / 20MHz / 16QAM



Date: 9 DEC 2019 13:53:33