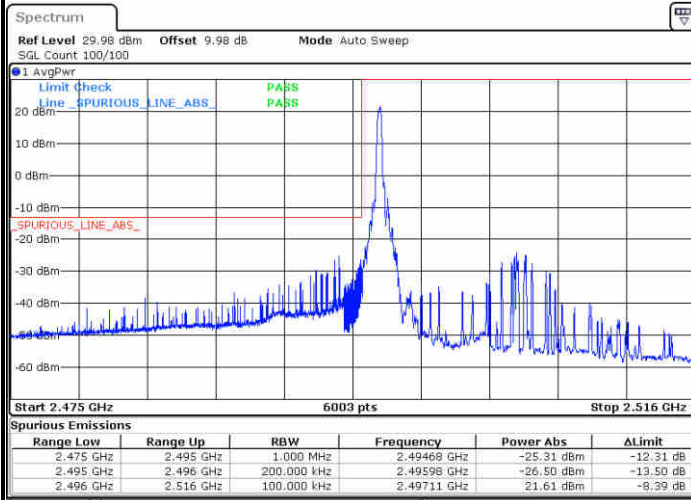


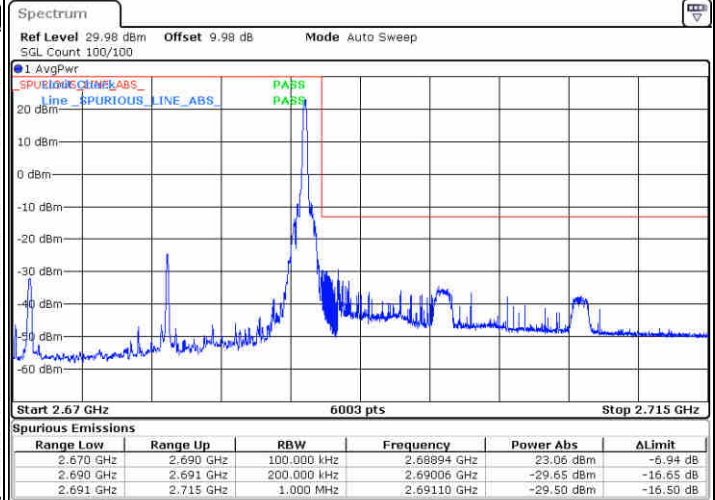


## LTE Band 41 / 20MHz / 64QAM

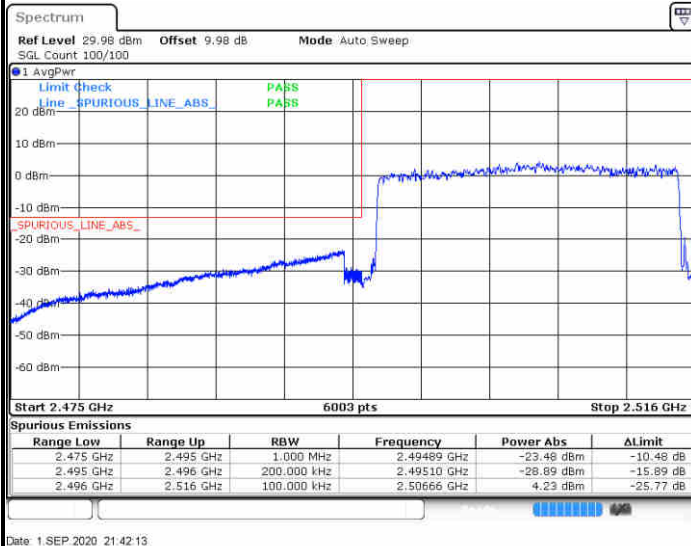
## Lowest Band Edge / 1 RB



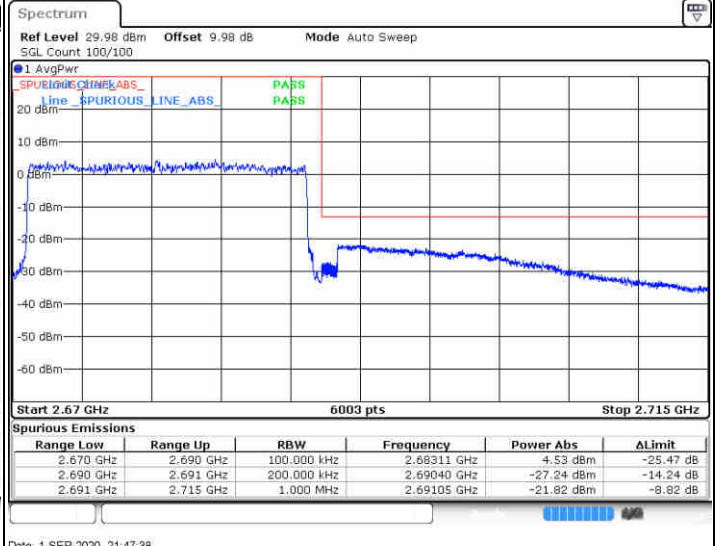
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

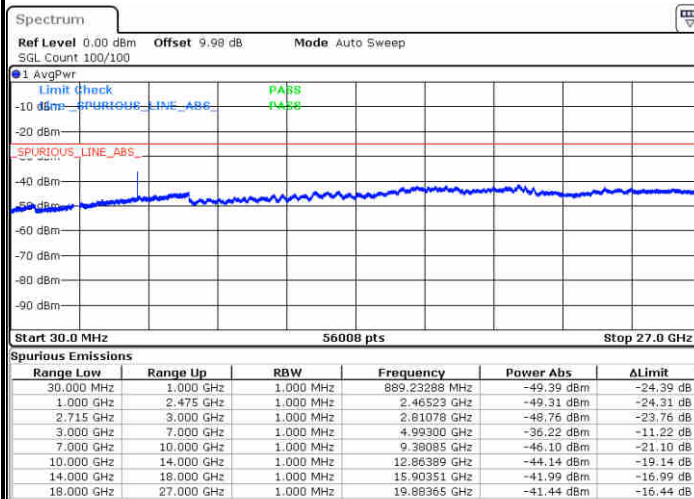




# Conducted Spurious Emission

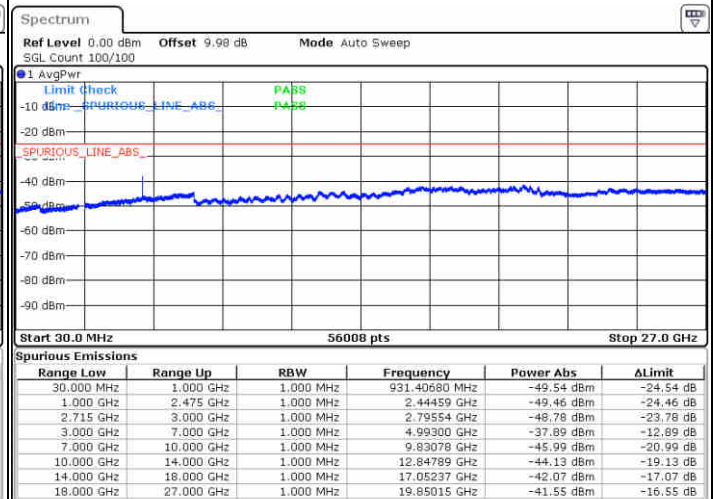
## LTE Band 41 / 5MHz

### Lowest Channel / QPSK



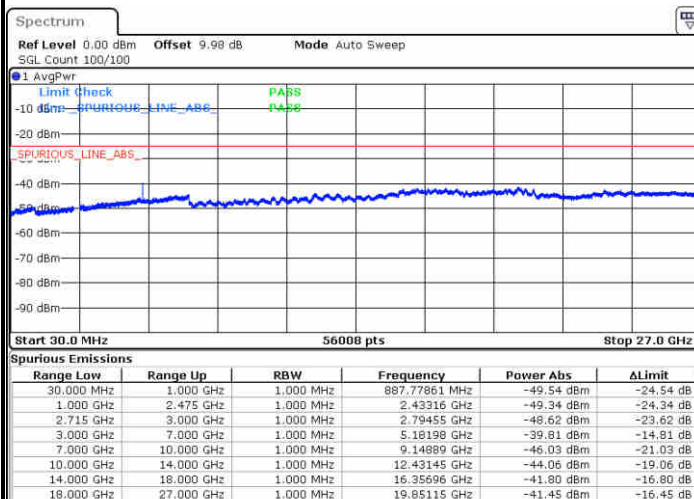
Date: 6 AUG. 2020 00:56:07

### Lowest Channel / 16QAM



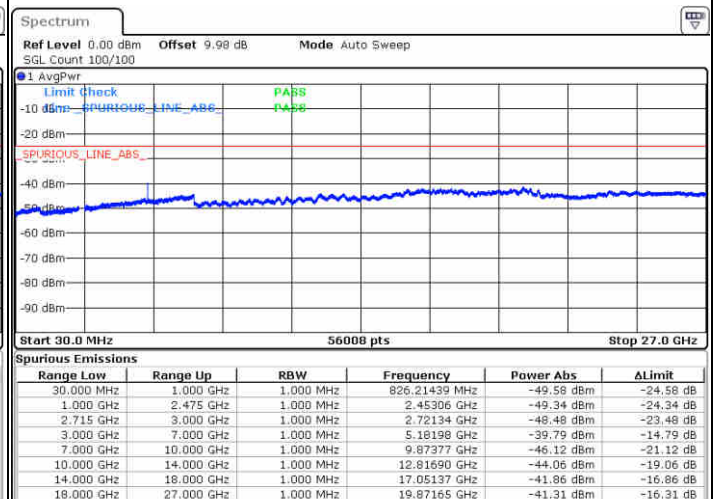
Date: 6 AUG. 2020 00:57:01

### Middle Channel / QPSK



Date: 6 AUG. 2020 00:57:56

### Middle Channel / 16QAM

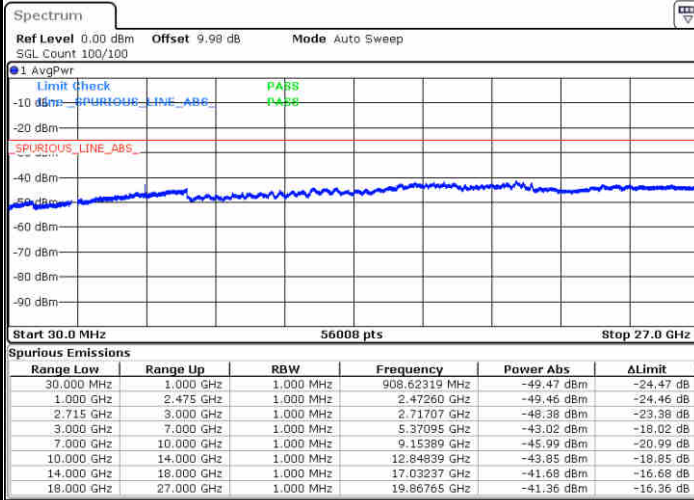


Date: 6 AUG. 2020 00:58:50



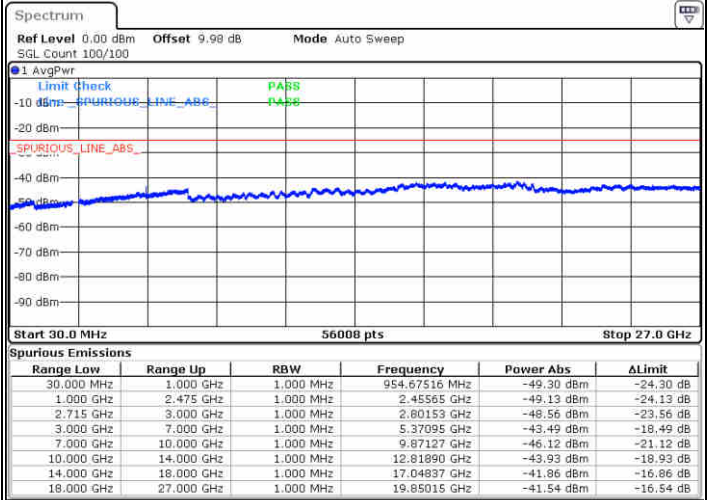
## LTE Band 41 / 5MHz

## Highest Channel / QPSK



Date: 6 AUG.2020 01:04:16

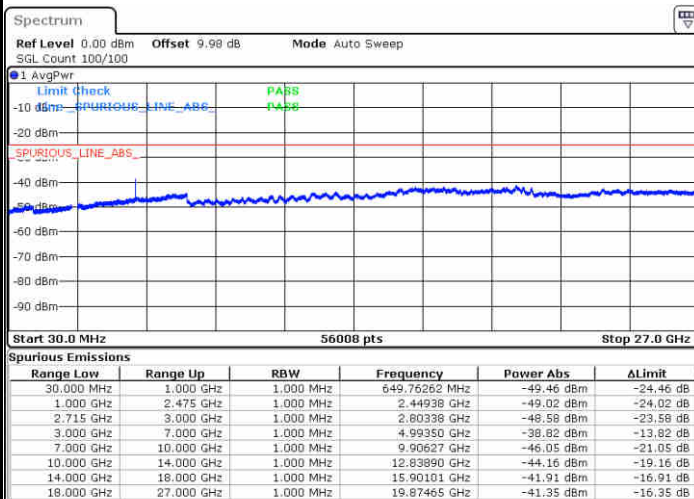
## Highest Channel / 16QAM



Date: 6 AUG.2020 01:05:11

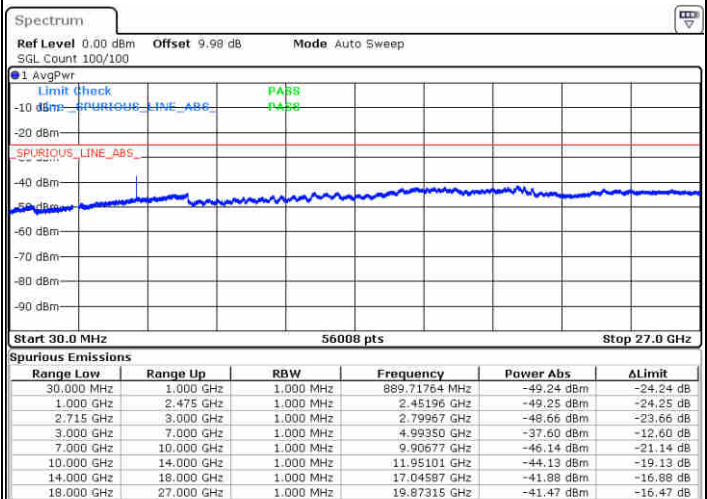
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



Date: 6 AUG.2020 01:10:37

## Lowest Channel / 16QAM

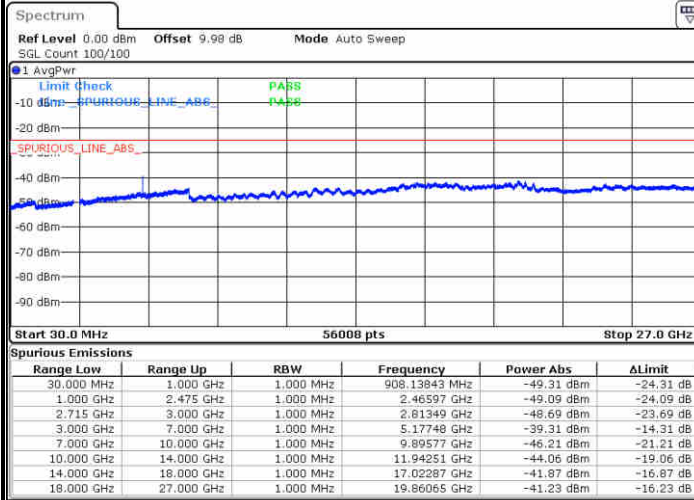


Date: 6 AUG.2020 01:11:32



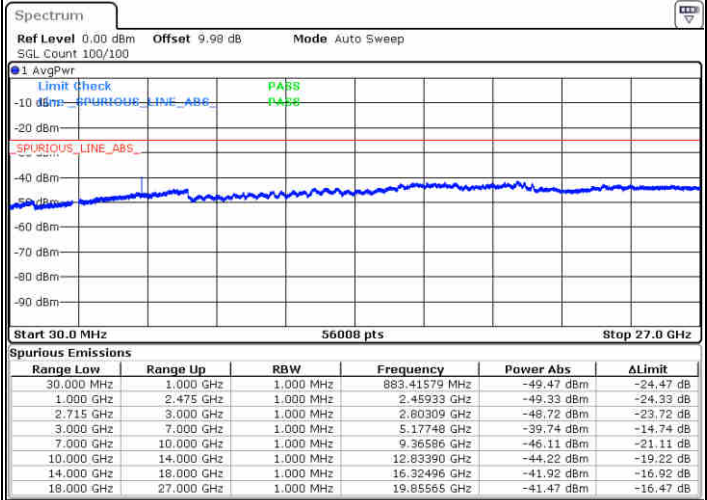
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



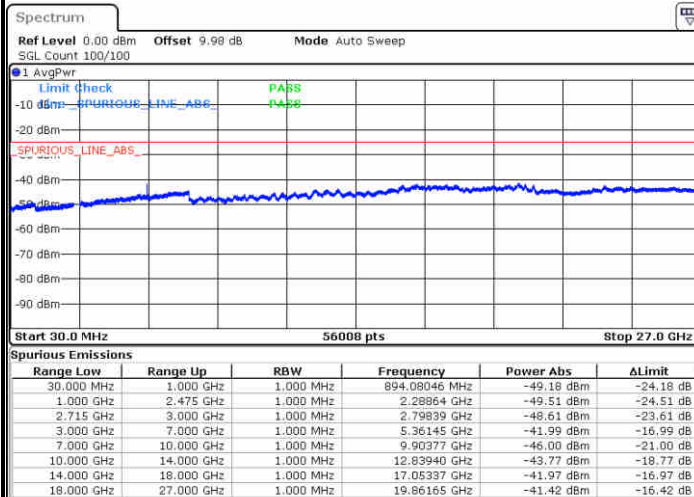
Date: 6 AUG 2020 01:12:26

## Middle Channel / 16QAM



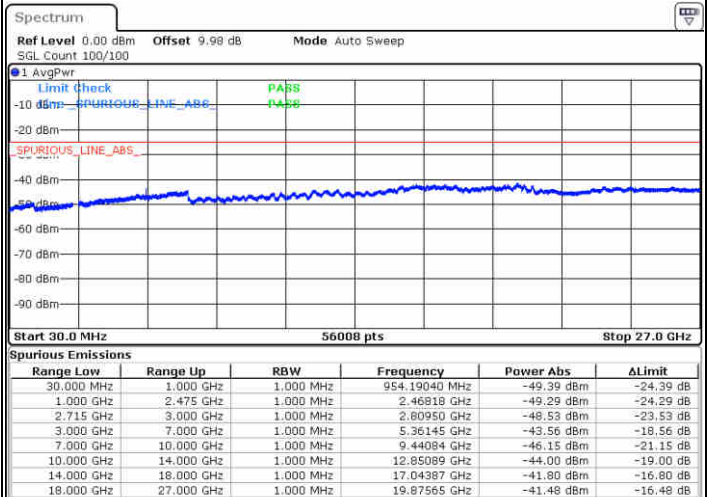
Date: 6 AUG 2020 01:13:20

## Highest Channel / QPSK



Date: 6 AUG 2020 01:18:47

## Highest Channel / 16QAM

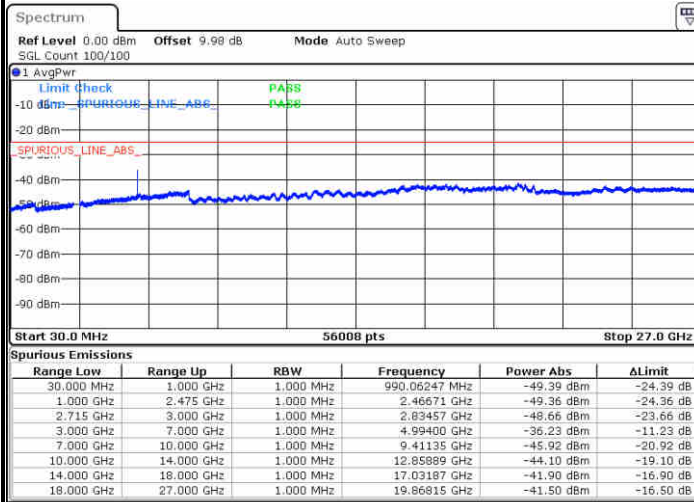


Date: 6 AUG 2020 01:19:41



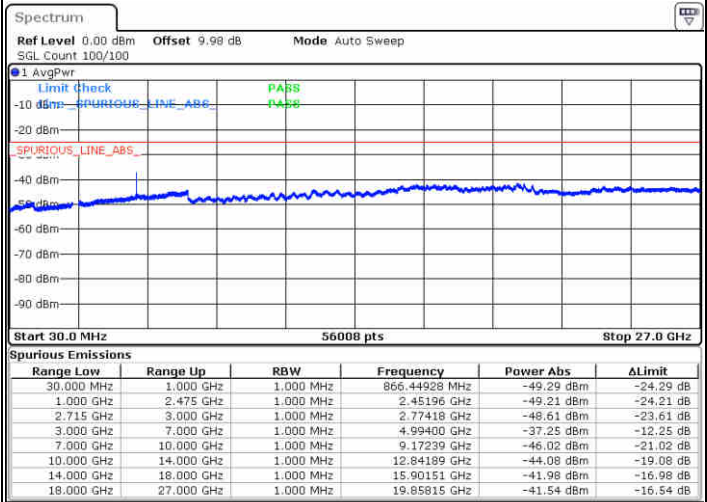
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



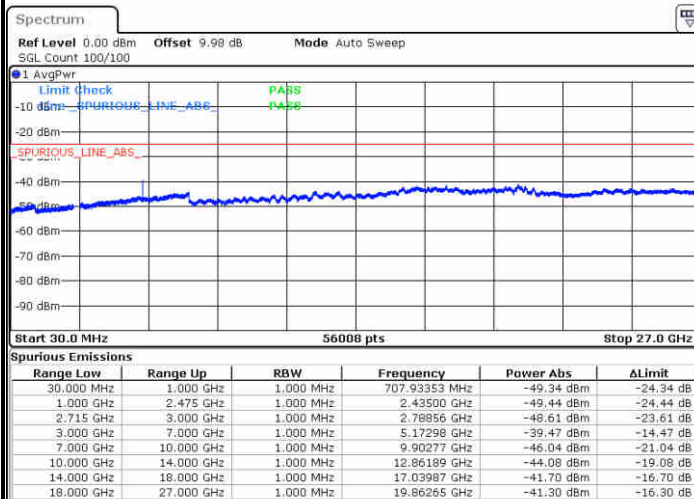
Date: 6 AUG 2020 01:25:08

## Lowest Channel / 16QAM



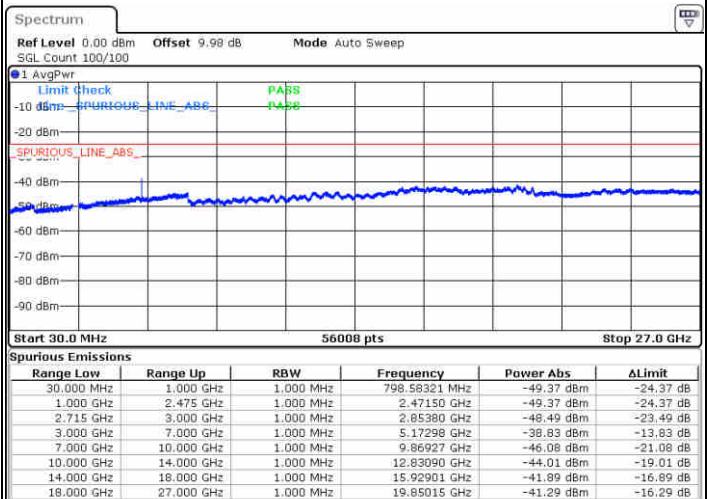
Date: 6 AUG 2020 01:26:02

## Middle Channel / QPSK



Date: 6 AUG 2020 01:26:57

## Middle Channel / 16QAM

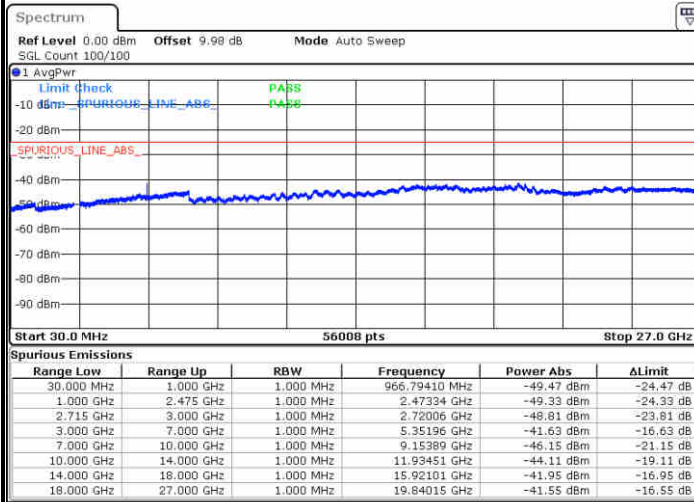


Date: 6 AUG 2020 01:27:51



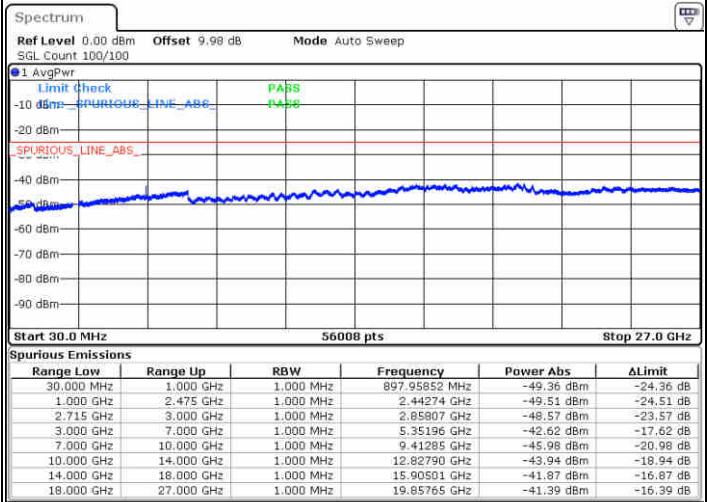
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 6 AUG.2020 01:33:17

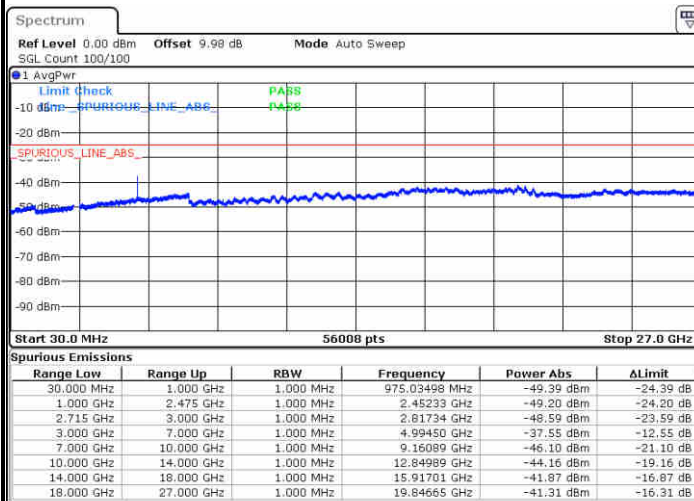
## Highest Channel / 16QAM



Date: 6 AUG.2020 01:34:12

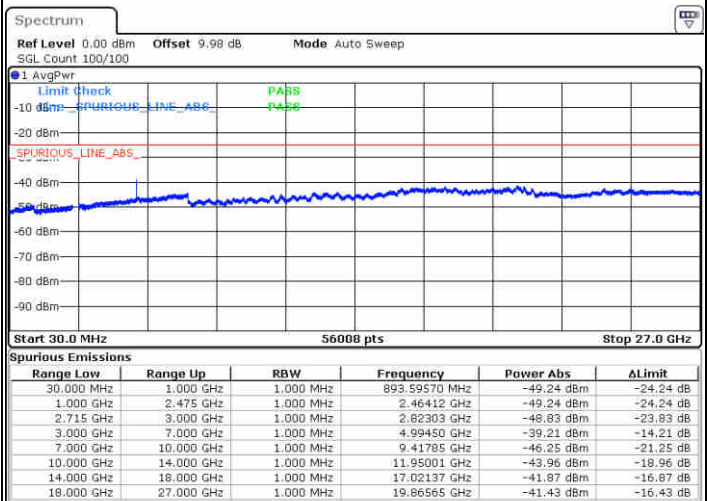
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 6 AUG.2020 01:39:38

## Lowest Channel / 16QAM

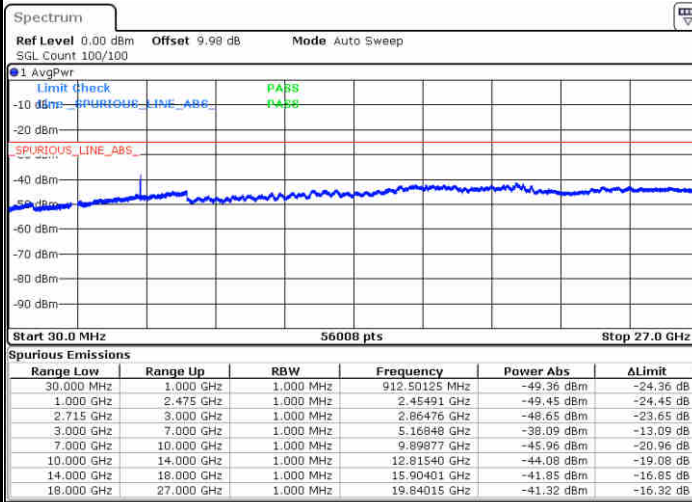


Date: 6 AUG.2020 01:40:33



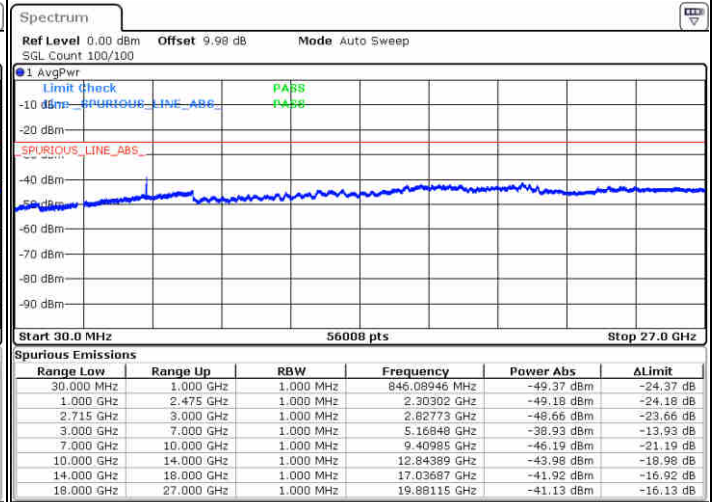
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



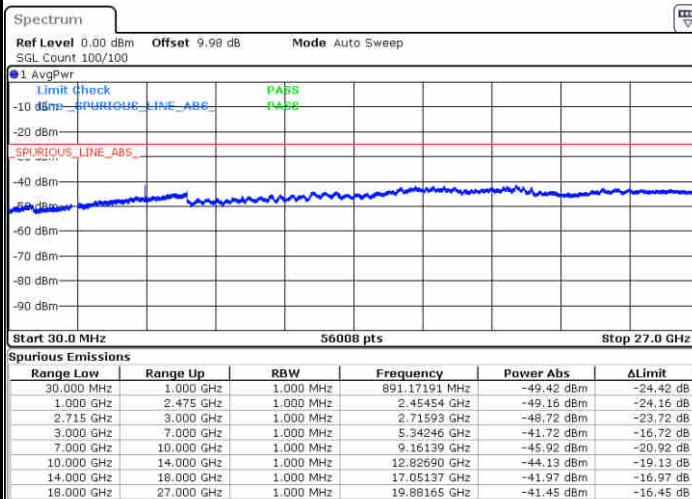
Date: 6 AUG 2020 01:41:27

## Middle Channel / 16QAM



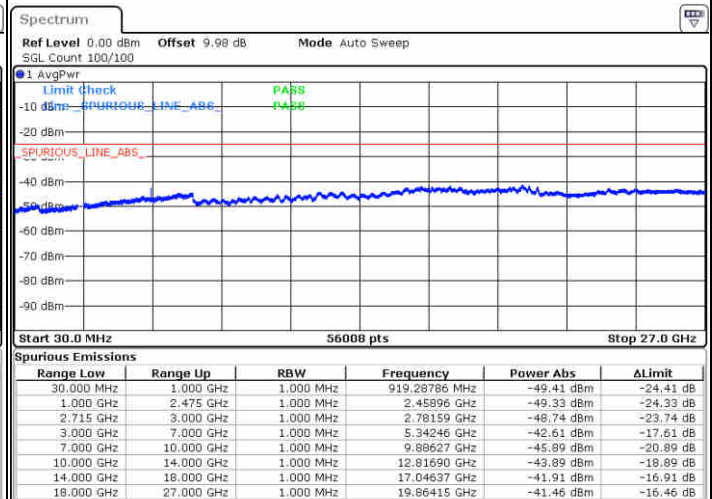
Date: 6 AUG 2020 01:42:21

## Highest Channel / QPSK



Date: 6 AUG 2020 01:47:48

## Highest Channel / 16QAM

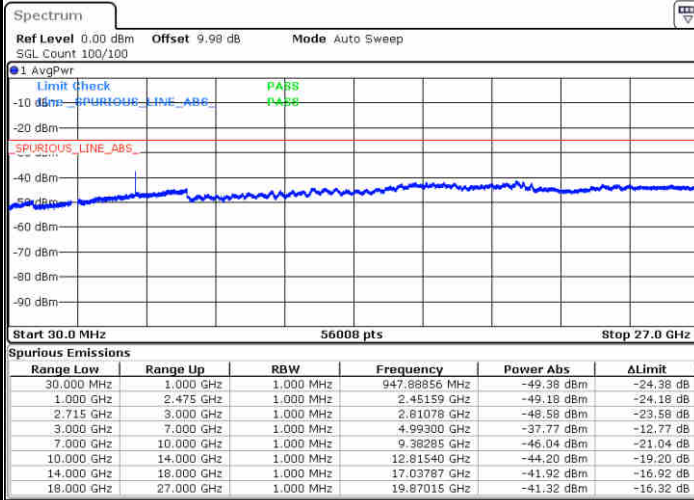


Date: 6 AUG 2020 01:48:42



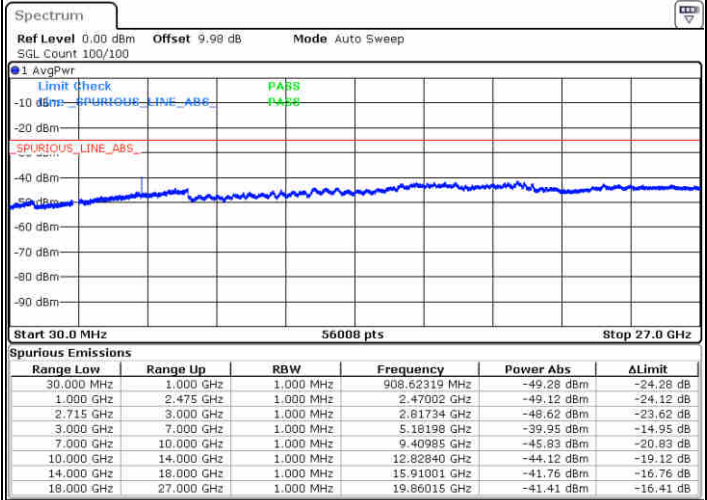
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



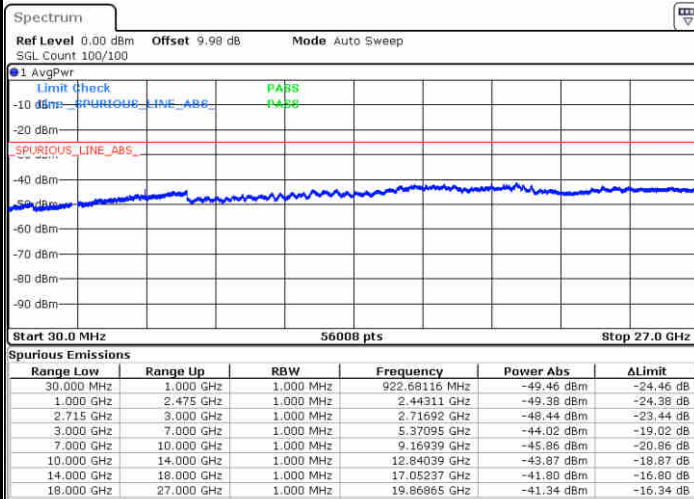
Date: 6 AUG 2020 02:23:13

## Middle Channel / 64QAM



Date: 6 AUG 2020 02:24:08

## Highest Channel / 64QAM

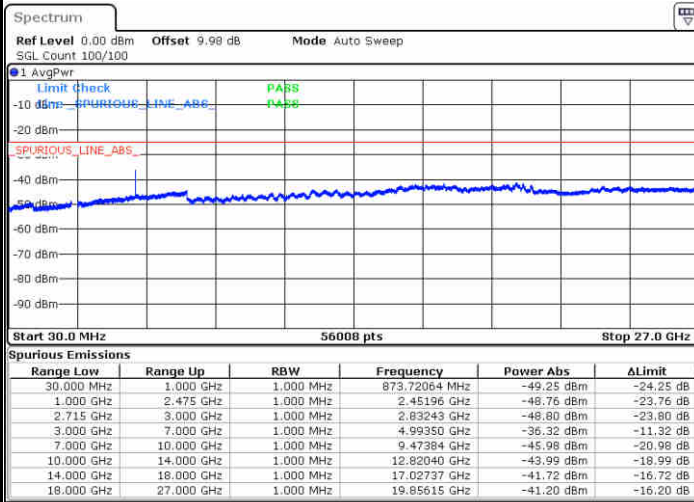


Date: 6 AUG 2020 02:25:02



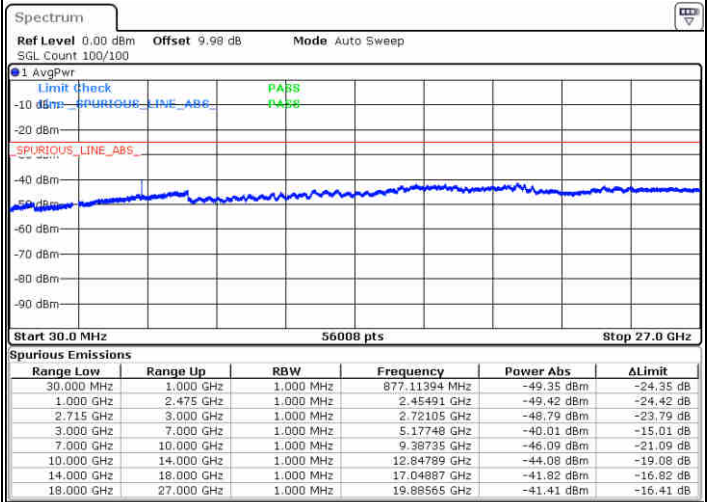
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



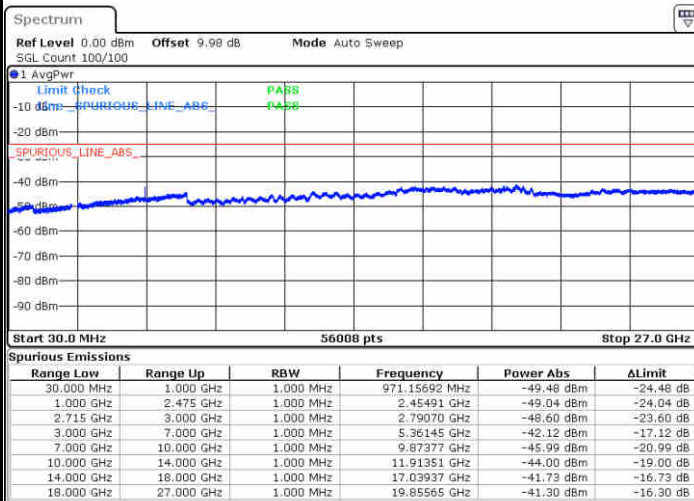
Date: 6 AUG 2020 02:25:57

## Middle Channel / 64QAM



Date: 6 AUG 2020 02:26:51

## Highest Channel / 64QAM

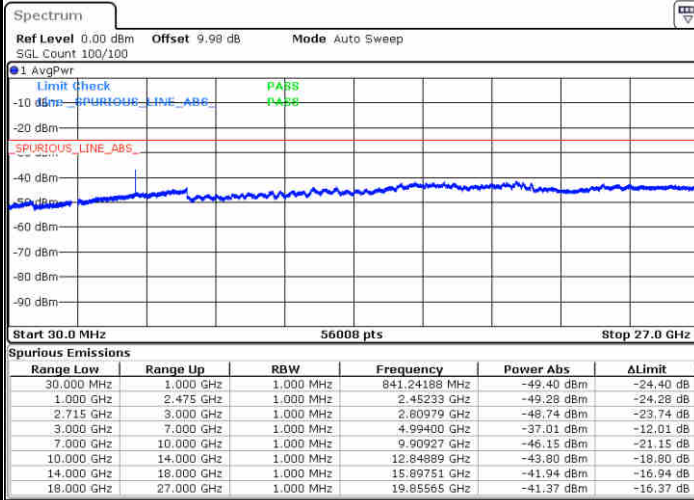


Date: 6 AUG 2020 02:27:46



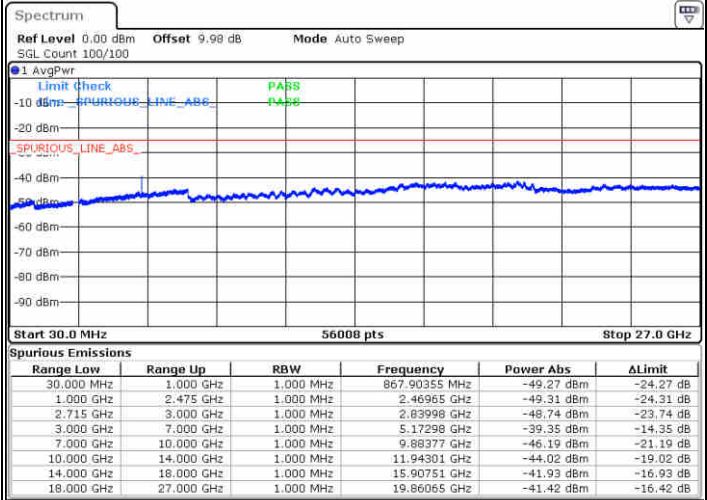
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



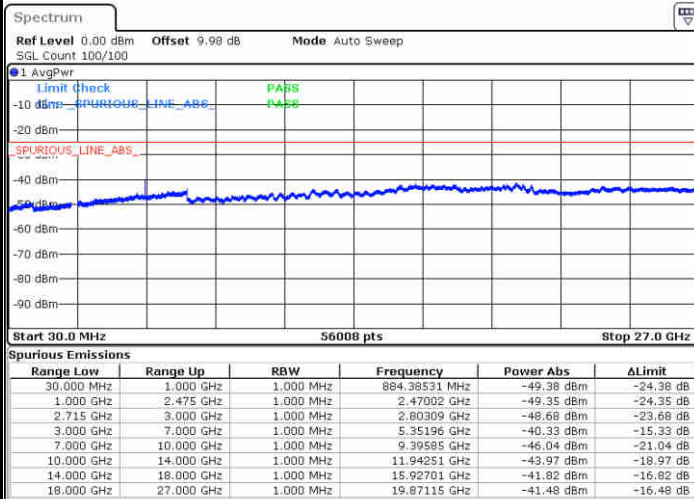
Date: 6 AUG 2020 02:28:40

## Middle Channel / 64QAM



Date: 6 AUG 2020 02:29:35

## Highest Channel / 64QAM

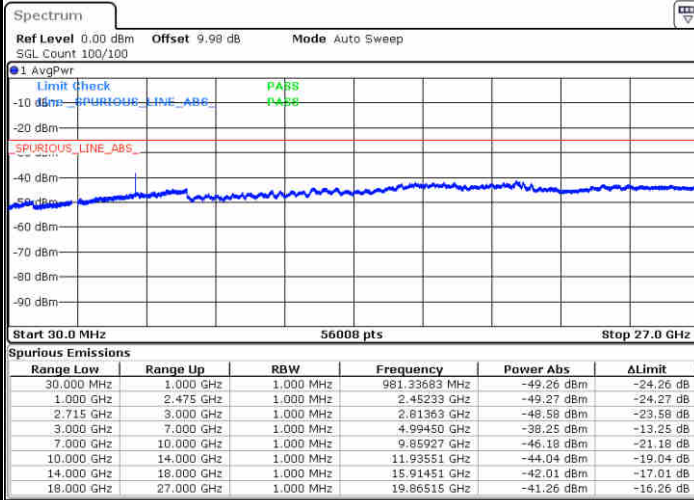


Date: 6 AUG 2020 02:30:29



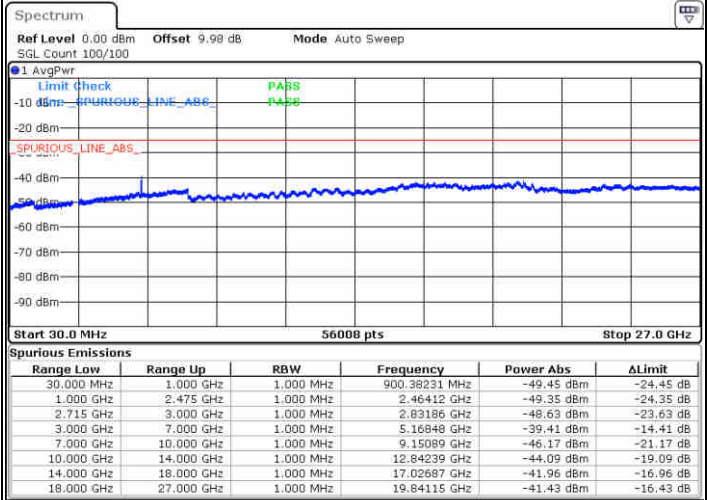
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



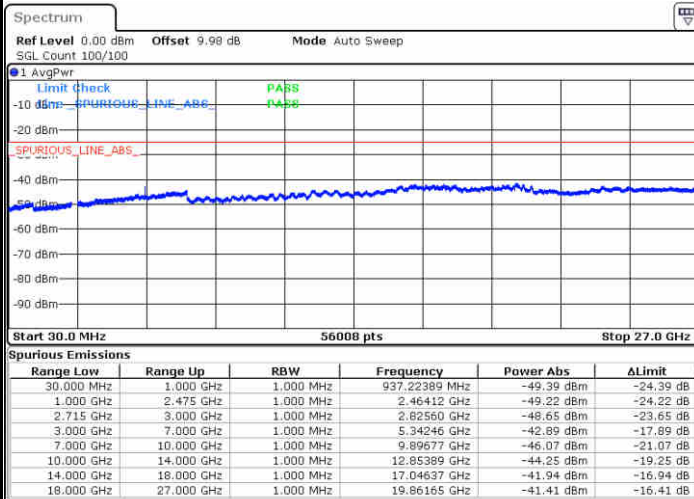
Date: 6 AUG 2020 02:31:24

## Middle Channel / 64QAM



Date: 6 AUG 2020 02:32:18

## Highest Channel / 64QAM



Date: 6 AUG 2020 02:33:12

## 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    | 0.0004                              | PASS    |
| 40               | Normal Voltage    | 0.0025                              |         |
| 30               | Normal Voltage    | 0.0020                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0016                              |         |
| 0                | Normal Voltage    | 0.0013                              |         |
| -10              | Normal Voltage    | 0.0009                              |         |
| -20              | Normal Voltage    | 0.0005                              |         |
| -30              | Normal Voltage    | 0.0015                              |         |
| 20               | Maximum Voltage   | 0.0015                              |         |
| 20               | Normal Voltage    | 0.0006                              |         |
| 20               | Battery End Point | 0.0006                              |         |

**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 71

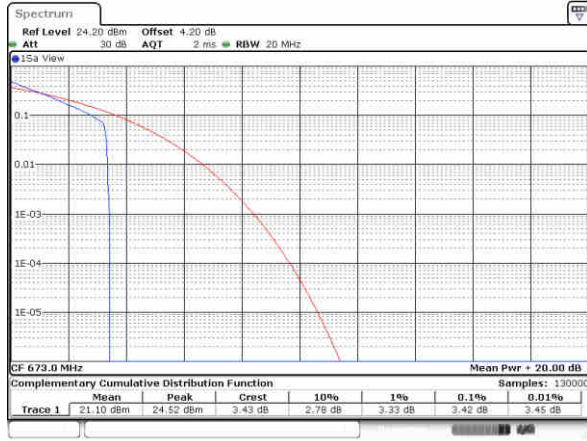
## Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.42                | 4.81    | 5.25  | 5.88    | PASS        |
| Middle CH  | 3.45                | 4.78    | 4.99  | 5.77    |             |
| Highest CH | 3.51                | 4.87    | 5.10  | 5.88    |             |
| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.30                | 5.86    | -     | -       | PASS        |
| Middle CH  | 5.36                | 5.77    | -     | -       |             |
| Highest CH | 5.01                | 5.74    | -     | -       |             |

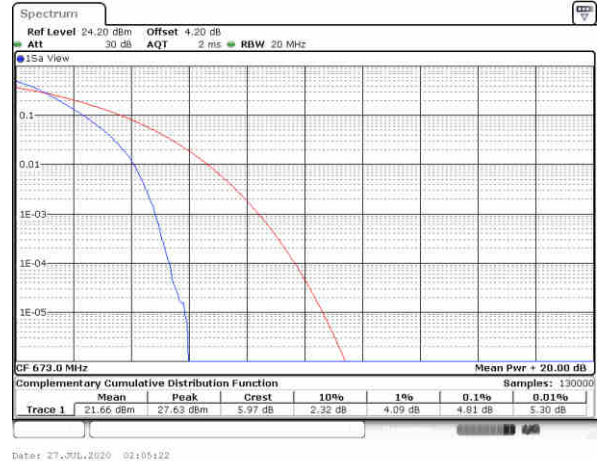


## LTE Band 71 / 20MHz / QPSK

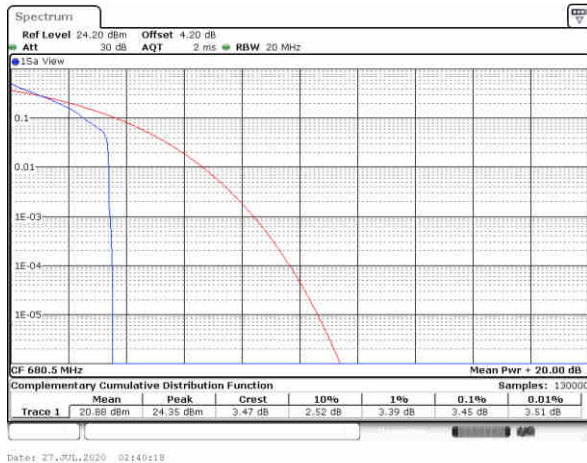
## Lowest Channel / 1RB



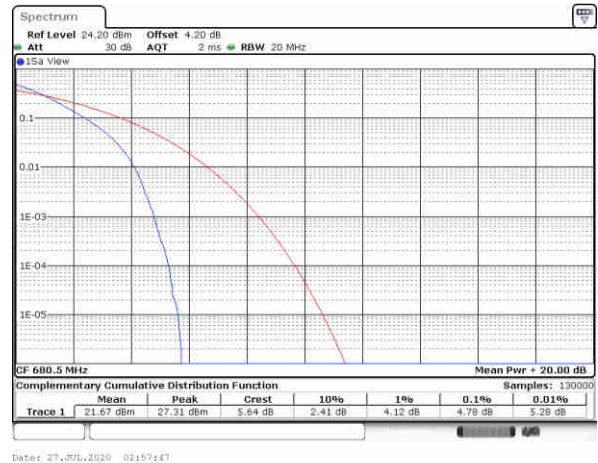
## Lowest Channel / Full RB



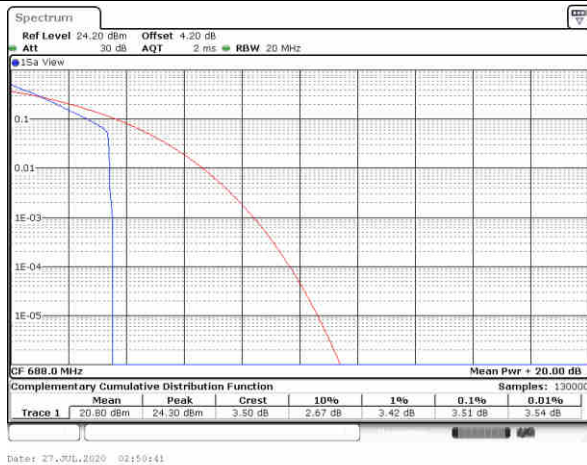
## Middle Channel / 1RB



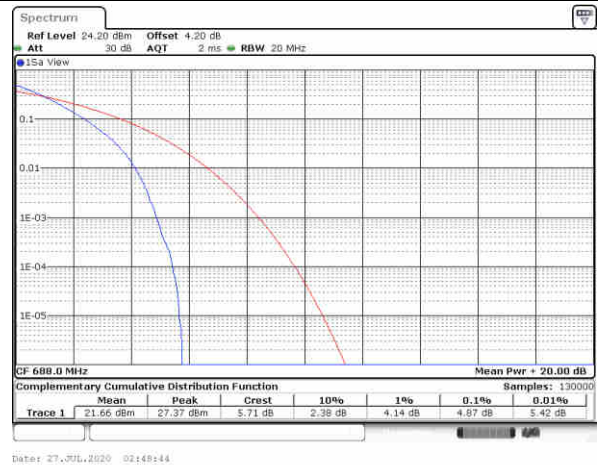
## Middle Channel / Full RB



## Highest Channel / 1RB



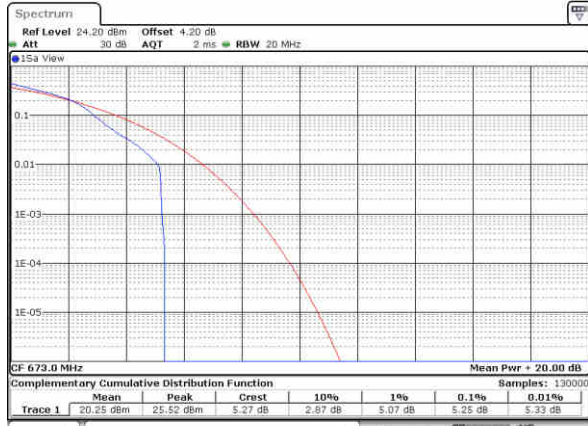
## Highest Channel / Full RB





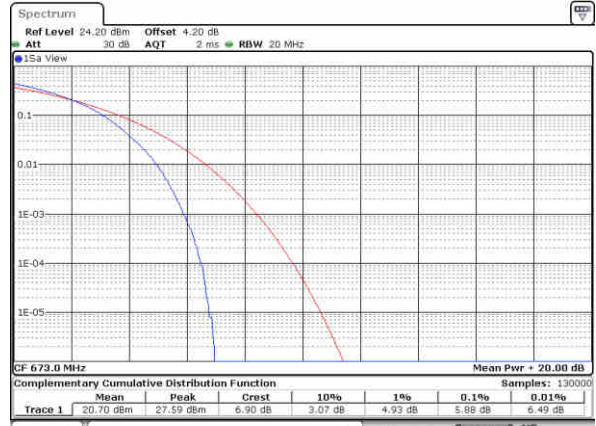
## LTE Band 71 / 20MHz / 16QAM

## Lowest Channel / 1RB



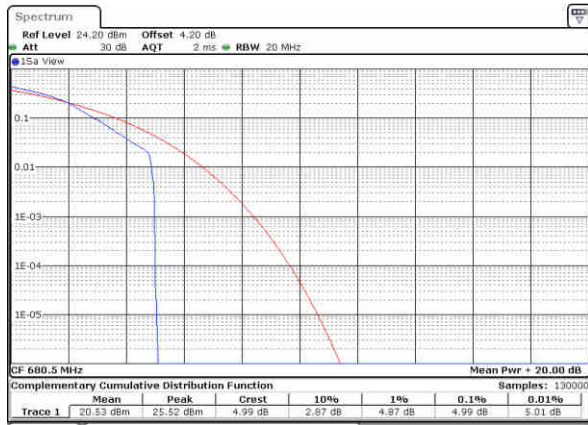
Date: 27-JUL-2020 02:09:40

## Lowest Channel / Full RB



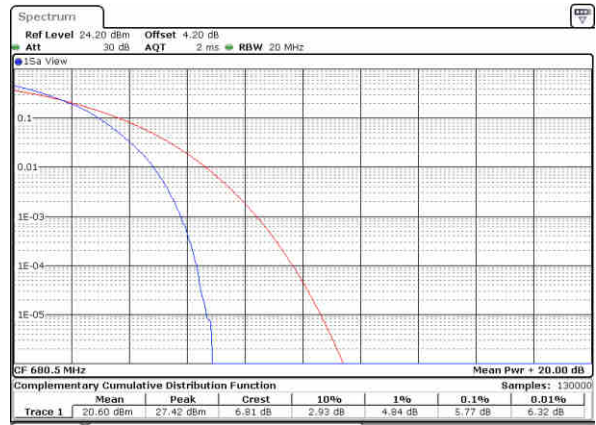
Date: 27-JUL-2020 02:10:10

## Middle Channel / 1RB



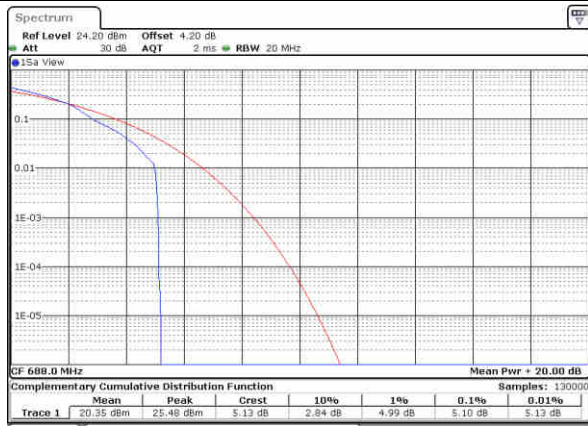
Date: 27-JUL-2020 02:41:30

## Middle Channel / Full RB



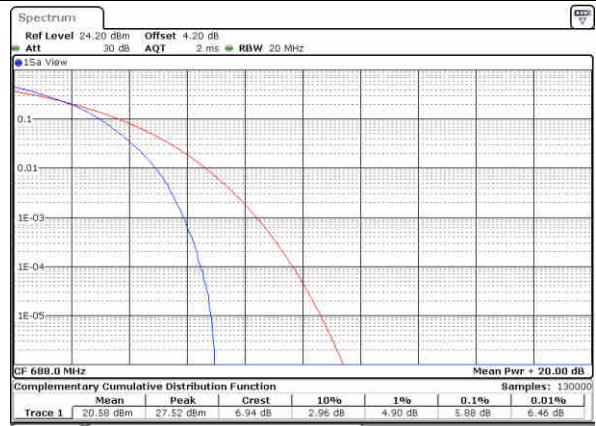
Date: 27-JUL-2020 02:45:57

## Highest Channel / 1RB



Date: 27-JUL-2020 02:51:18

## Highest Channel / Full RB

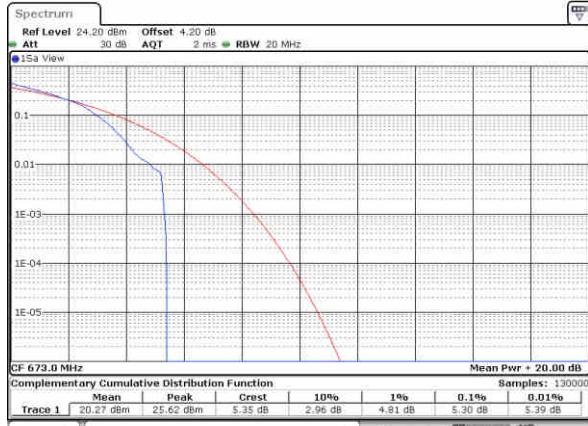


Date: 27-JUL-2020 02:49:26

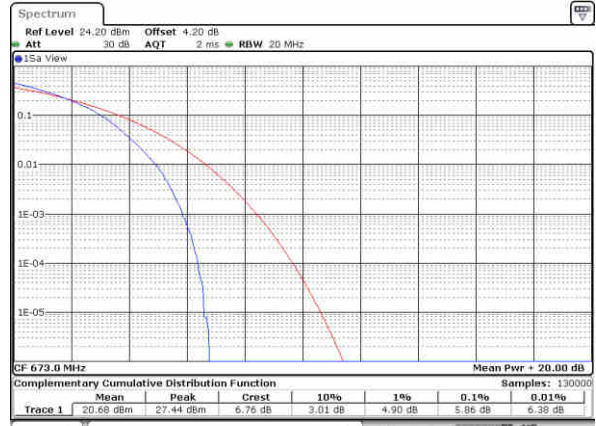


## LTE Band 71 / 20MHz / 64QAM

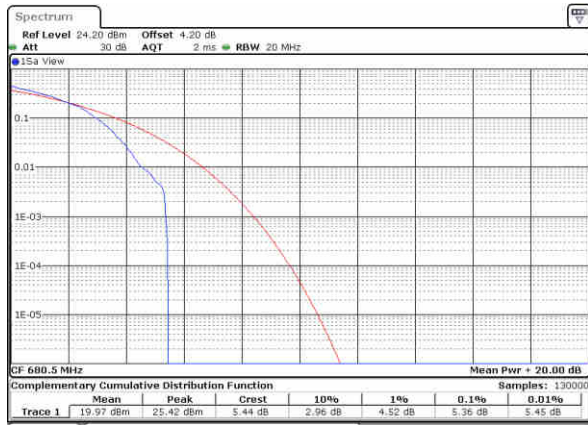
## Lowest Channel / 1RB



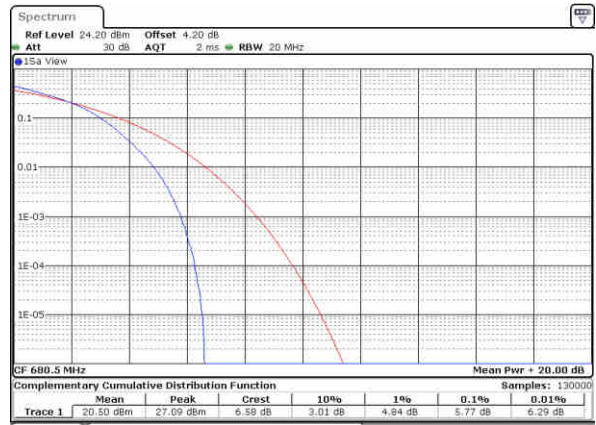
## Lowest Channel / Full RB



## Middle Channel / 1RB



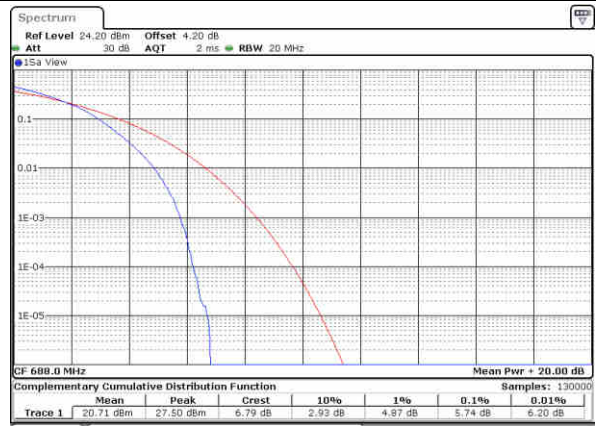
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



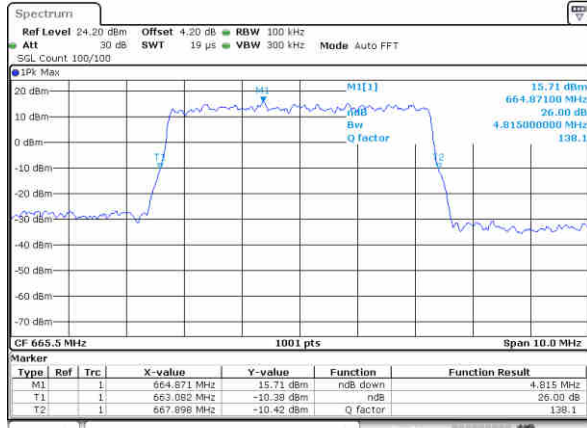
**26dB Bandwidth**

| 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  | -                          | -     | -     | -     | 4.82  | 4.99  | 9.75  | 9.73  | 14.45 | 14.48 | 18.86 | 18.86 |
| Middle CH  | -                          | -     | -     | -     | 4.78  | 4.93  | 9.81  | 9.79  | 14.21 | 14.30 | 18.90 | 18.66 |
| Highest CH | -                          | -     | -     | -     | 4.87  | 4.89  | 9.77  | 9.73  | 14.33 | 14.27 | 18.90 | 18.98 |
| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.88  | -     | 9.89  | -     | 14.42 | -     | 18.82 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.82  | -     | 9.75  | -     | 14.66 | -     | 19.06 | -     |
| Highest CH | -                          | -     | -     | -     | 4.81  | -     | 9.63  | -     | 14.42 | -     | 19.34 | -     |

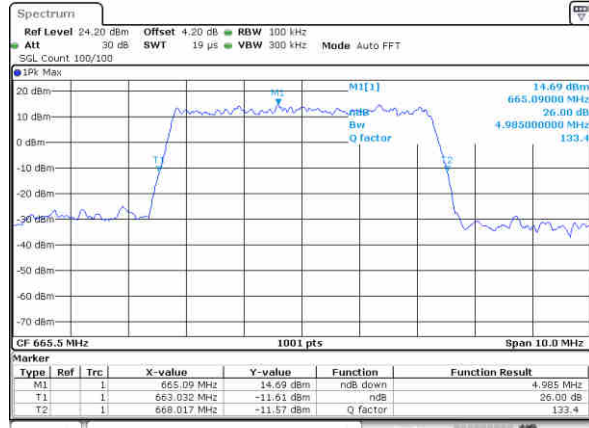


## LTE Band 71

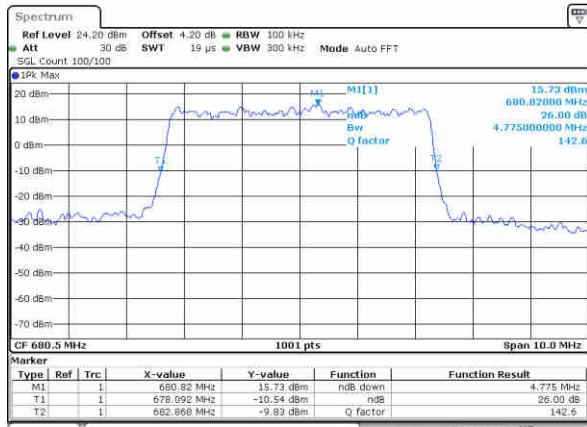
## Lowest Channel / 5MHz / QPSK



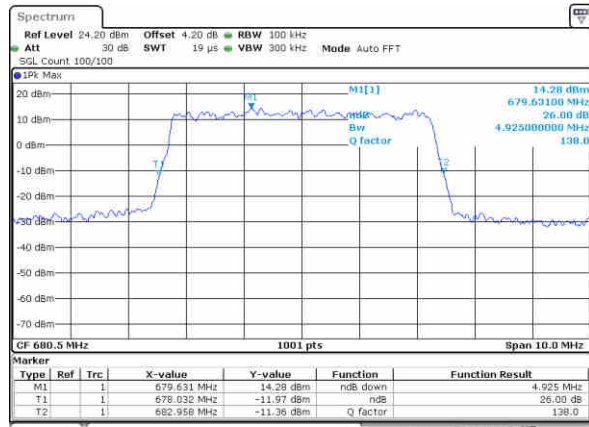
## Lowest Channel / 5MHz / 16QAM



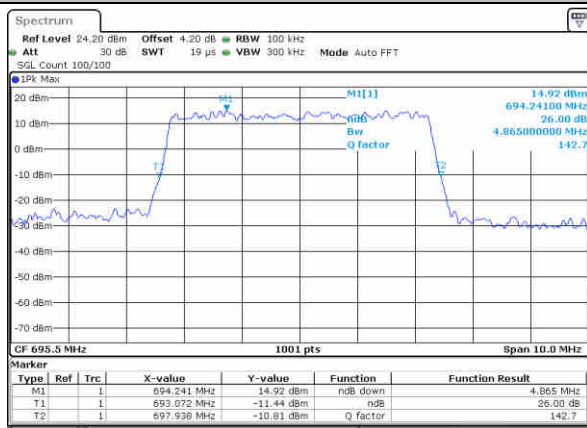
## Middle Channel / 5MHz / QPSK



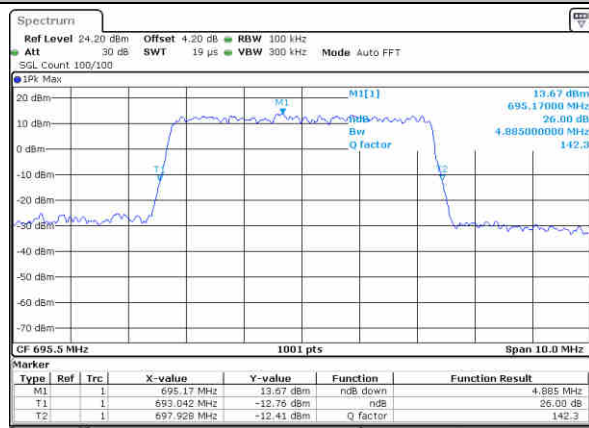
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



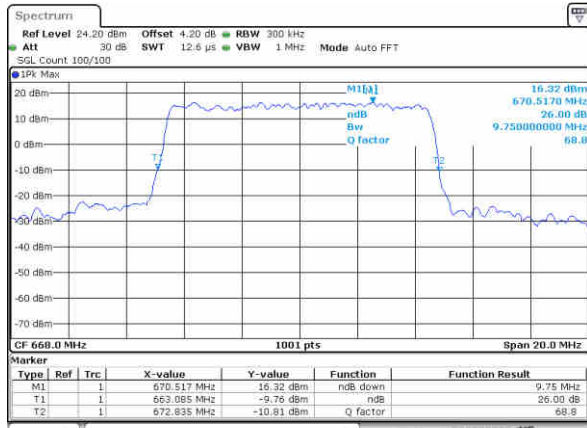
## Highest Channel / 5MHz / 16QAM



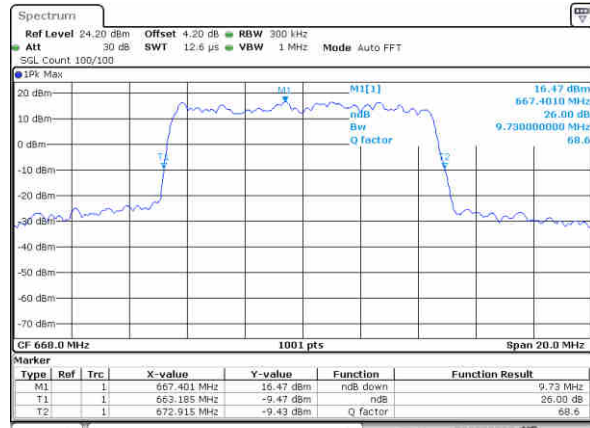


## LTE Band 71

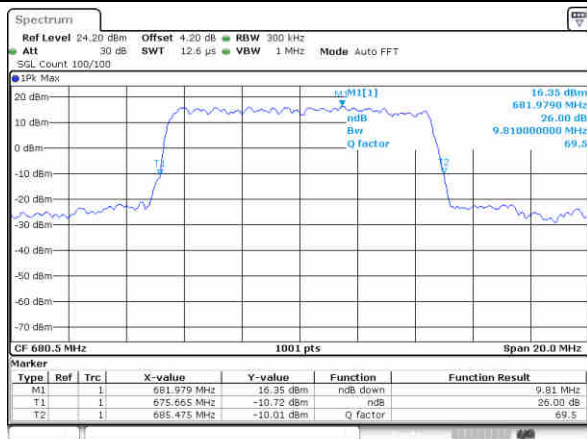
## Lowest Channel / 10MHz / QPSK



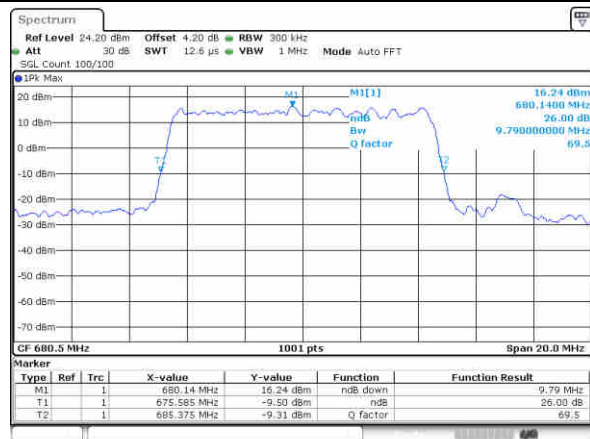
## Lowest Channel / 10MHz / 16QAM



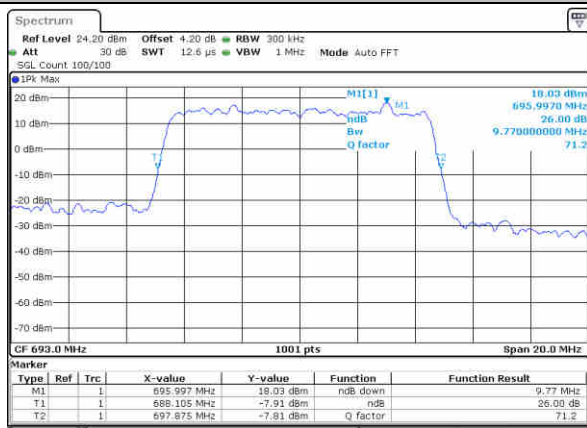
## Middle Channel / 10MHz / QPSK



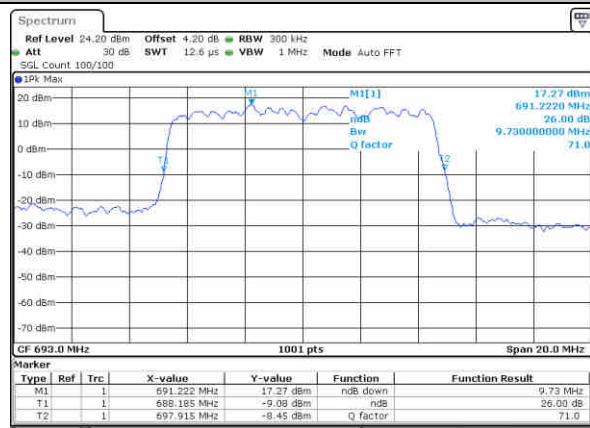
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



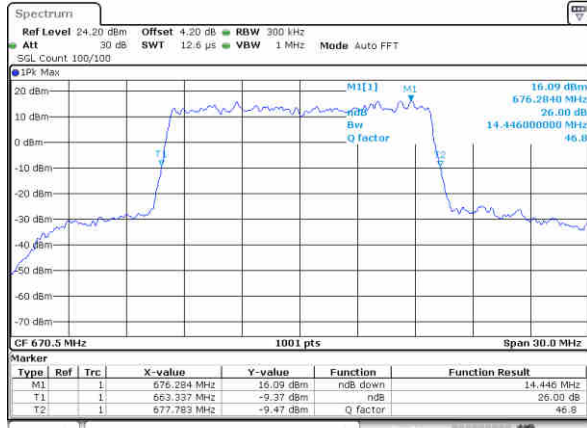
## Highest Channel / 10MHz / 16QAM



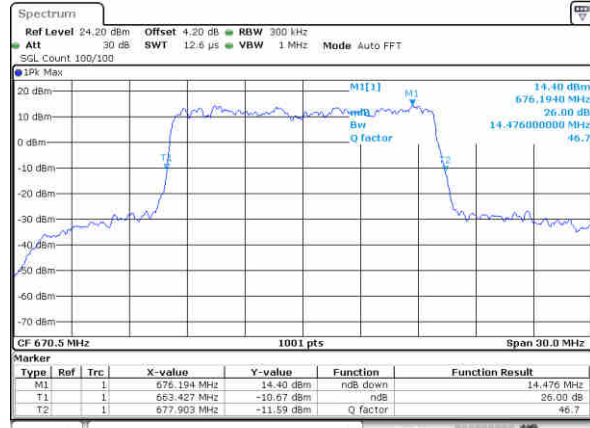


## LTE Band 71

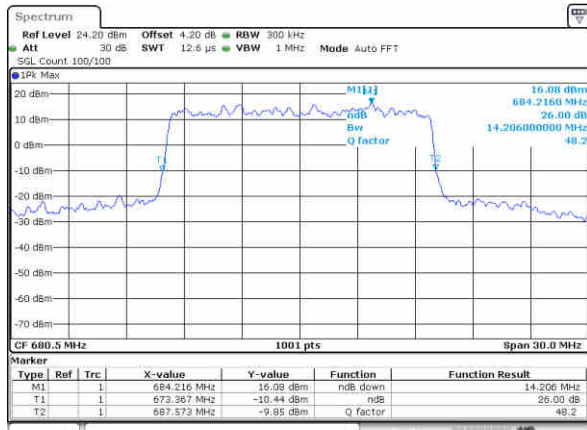
## Lowest Channel / 15MHz / QPSK



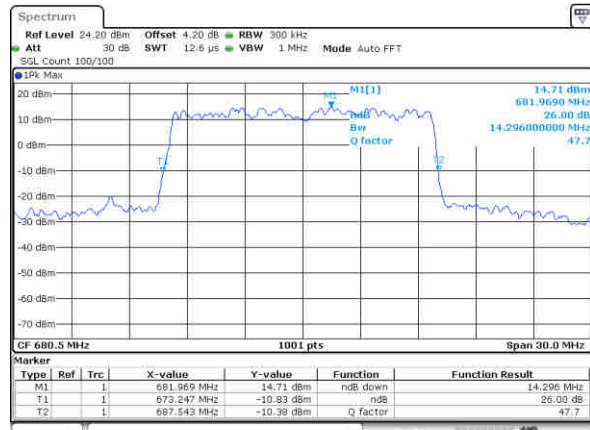
## Lowest Channel / 15MHz / 16QAM



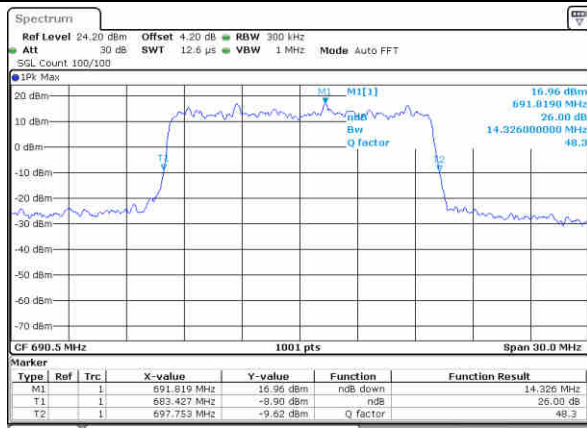
## Middle Channel / 15MHz / QPSK



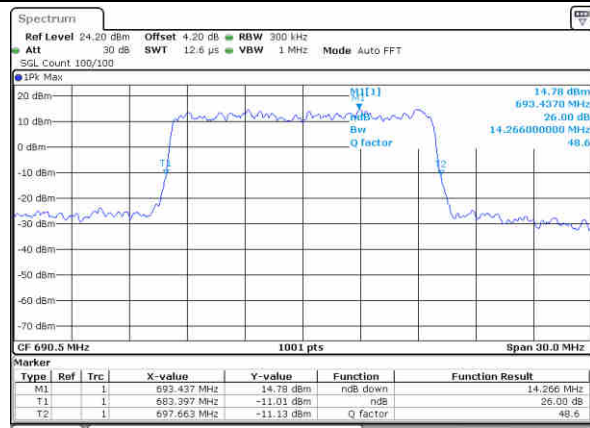
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



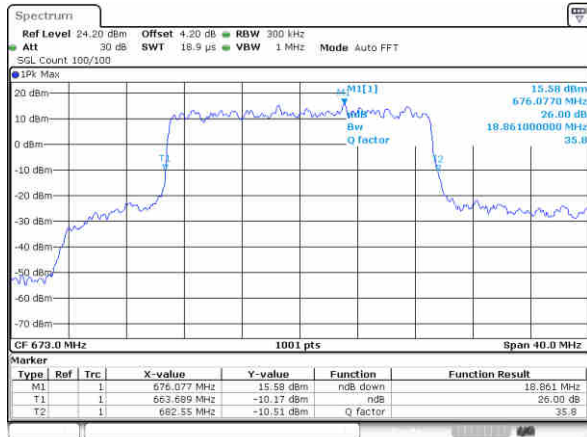
## Highest Channel / 15MHz / 16QAM





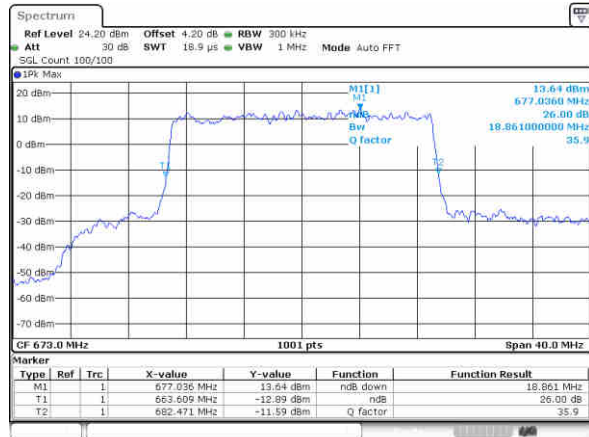
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



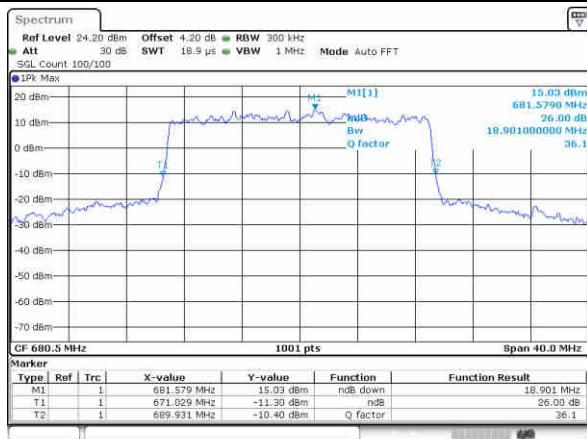
Date: 27\_JUL\_2020 02:02:09

## Lowest Channel / 20MHz / 16QAM



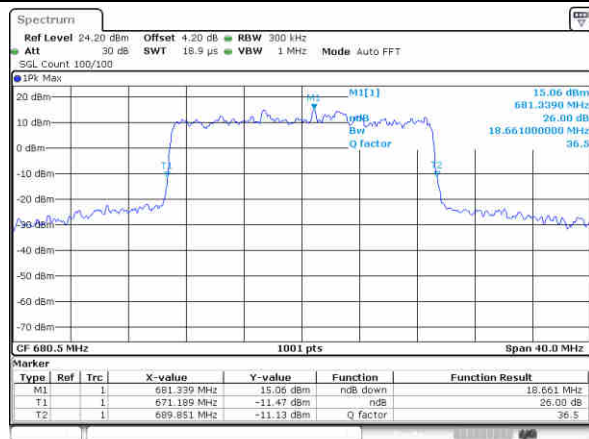
Date: 27\_JUL\_2020 02:03:22

## Middle Channel / 20MHz / QPSK



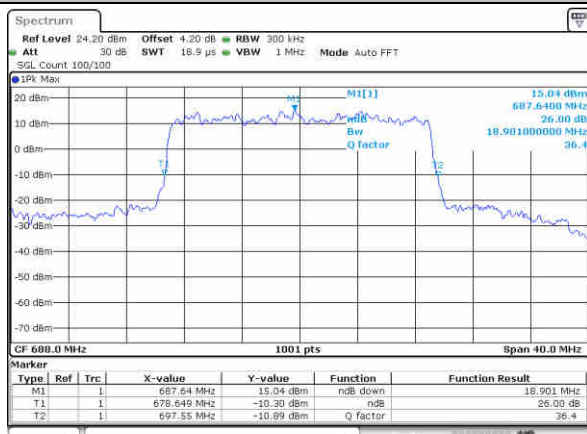
Date: 27\_JUL\_2020 02:44:02

## Middle Channel / 20MHz / 16QAM



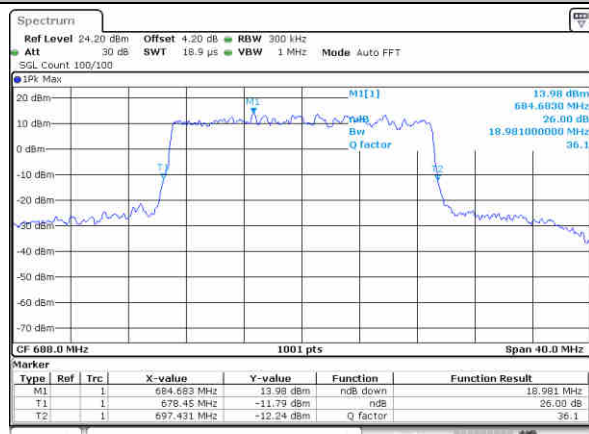
Date: 27\_JUL\_2020 02:43:34

## Highest Channel / 20MHz / QPSK



Date: 27\_JUL\_2020 02:49:00

## Highest Channel / 20MHz / 16QAM

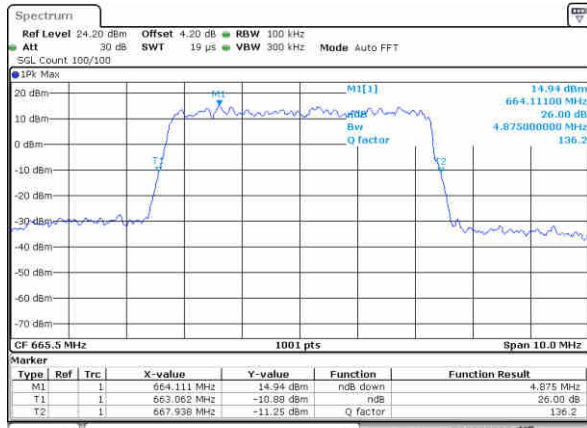


Date: 27\_JUL\_2020 02:47:22



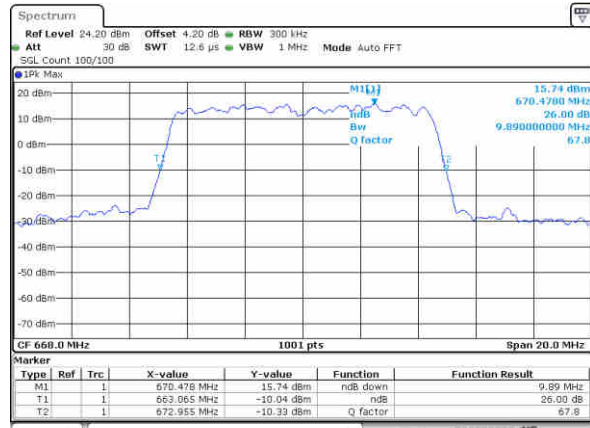
## LTE Band 71

## Lowest Channel / 5MHz / 64QAM



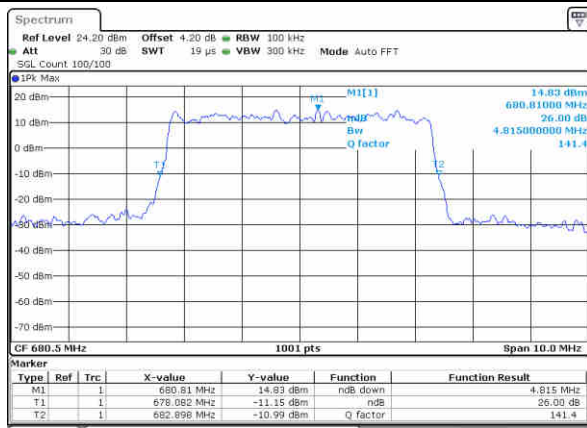
Date: 27\_JUL\_2020 00:41:32

## Lowest Channel / 10MHz / 64QAM



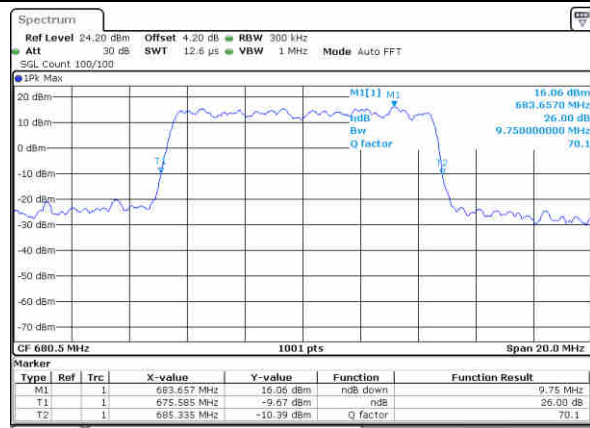
Date: 27\_JUL\_2020 01:12:51

## Middle Channel / 5MHz / 64QAM



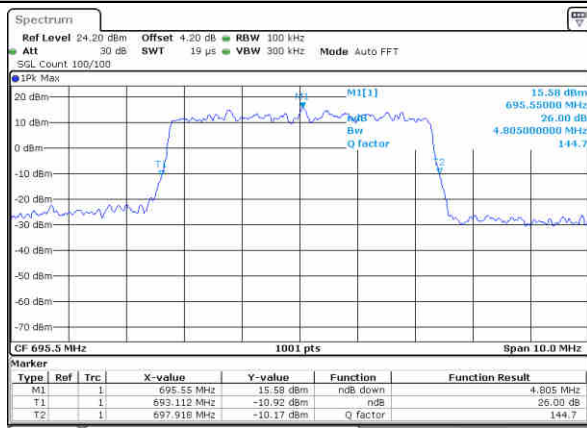
Date: 27\_JUL\_2020 00:55:32

## Middle Channel / 10MHz / 64QAM



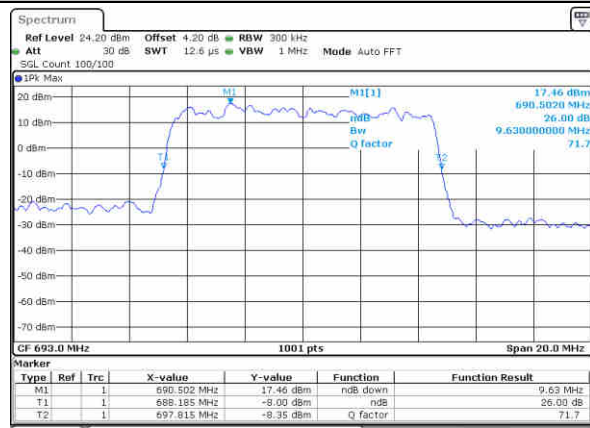
Date: 27\_JUL\_2020 01:12:05

## Highest Channel / 5MHz / 64QAM



Date: 27\_JUL\_2020 00:56:50

## Highest Channel / 10MHz / 64QAM

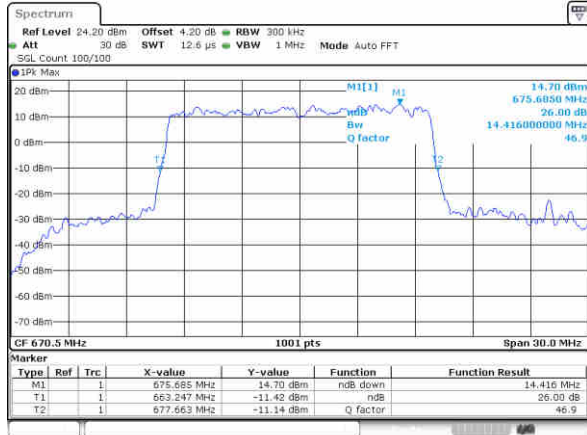


Date: 27\_JUL\_2020 01:25:35

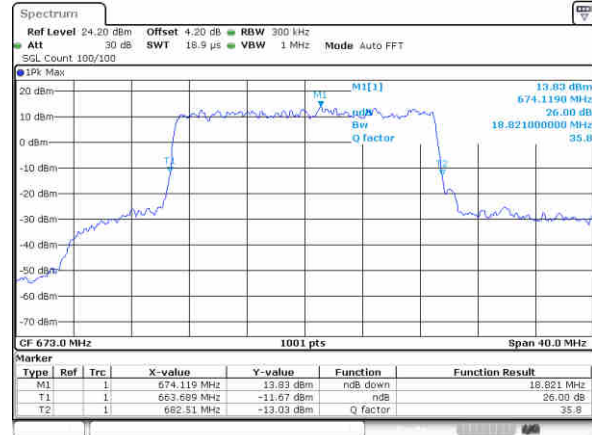


## LTE Band 71

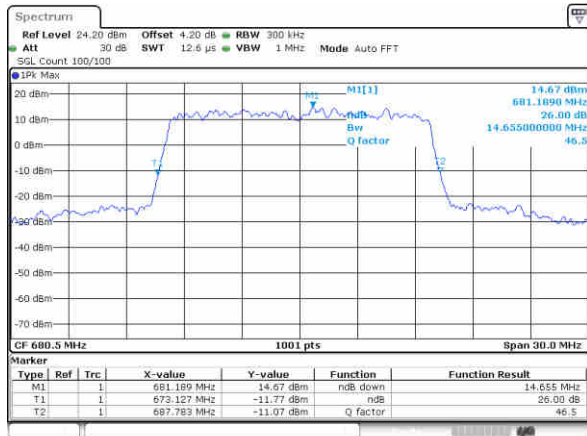
## Lowest Channel / 15MHz / 64QAM



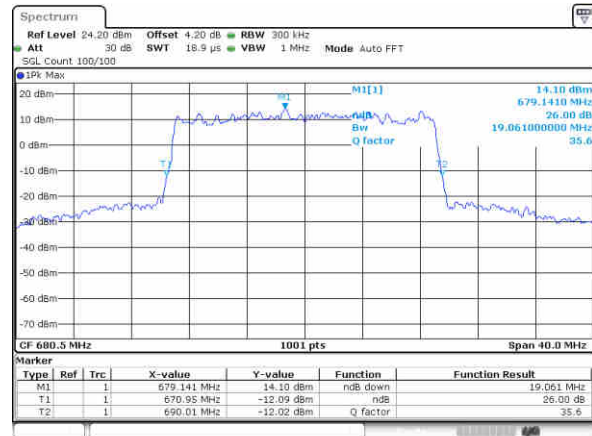
## Lowest Channel / 20MHz / 64QAM



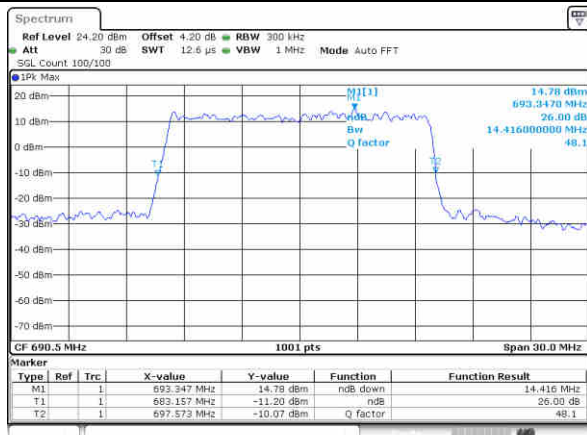
## Middle Channel / 15MHz / 64QAM



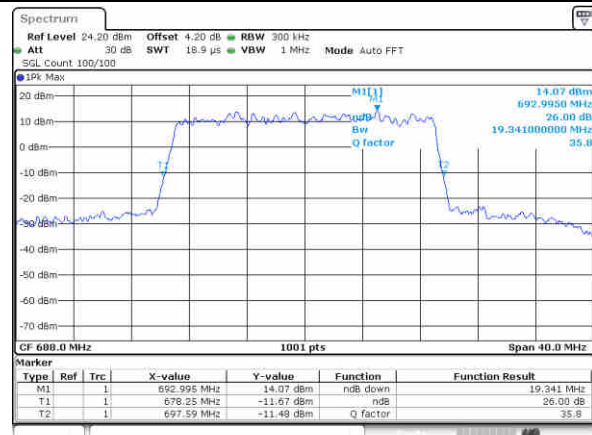
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



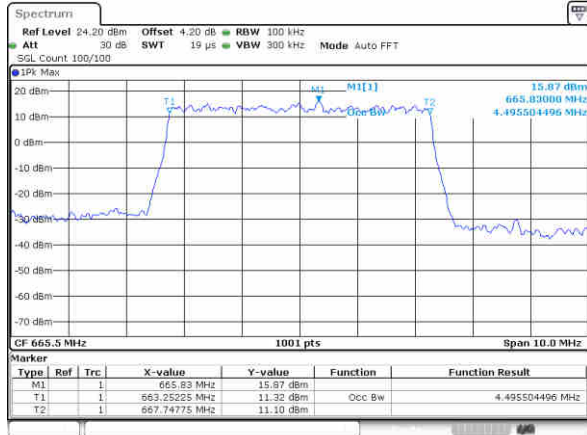
**Occupied Bandwidth**

| 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  | -                         | -     | -     | -     | 4.50  | 4.48  | 9.01  | 9.01  | 13.43 | 13.49 | 17.82 | 17.82 |
| Middle CH  | -                         | -     | -     | -     | 4.48  | 4.49  | 8.95  | 8.97  | 13.49 | 13.43 | 17.86 | 17.90 |
| Highest CH | -                         | -     | -     | -     | 4.49  | 4.47  | 9.01  | 9.01  | 13.43 | 13.43 | 17.86 | 17.86 |
| Mode       | LTE Band 71 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.47  | -     | 9.05  | -     | 13.40 | -     | 17.90 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.52  | -     | 9.01  | -     | 13.43 | -     | 17.86 | -     |
| Highest CH | -                         | -     | -     | -     | 4.46  | -     | 8.95  | -     | 13.49 | -     | 17.90 | -     |

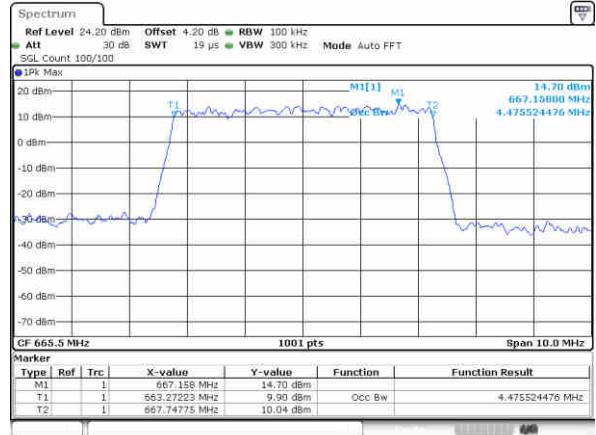


## LTE Band 71

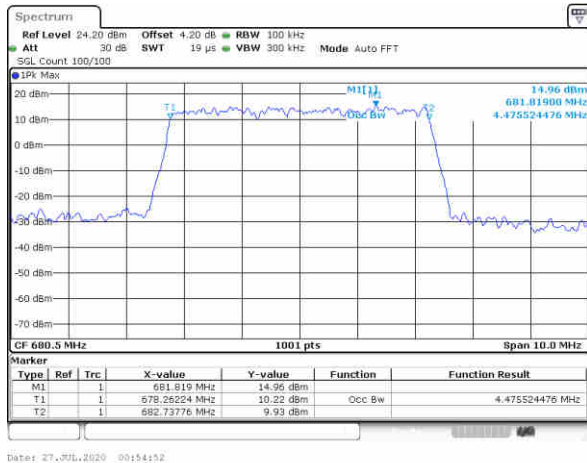
## Lowest Channel / 5MHz / QPSK



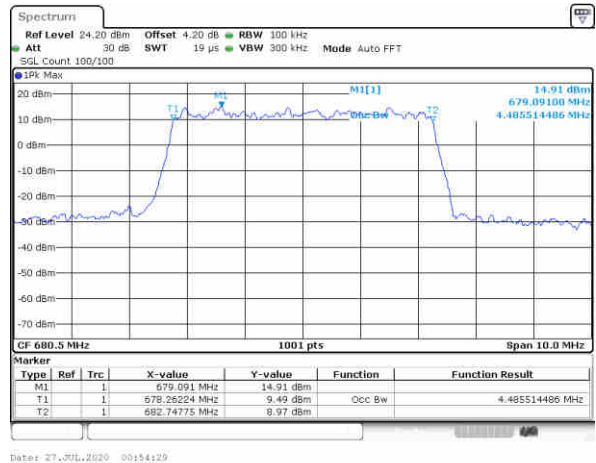
## Lowest Channel / 5MHz / 16QAM



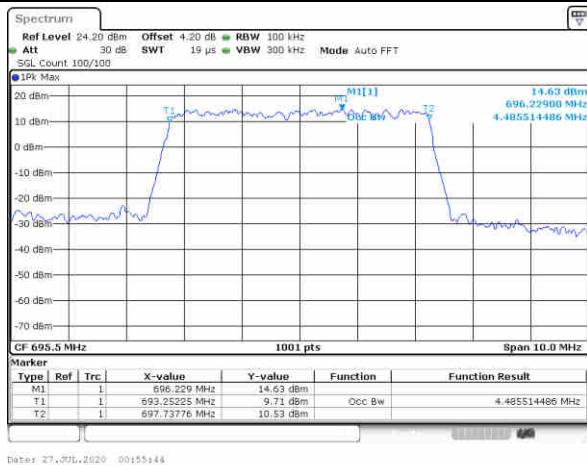
## Middle Channel / 5MHz / QPSK



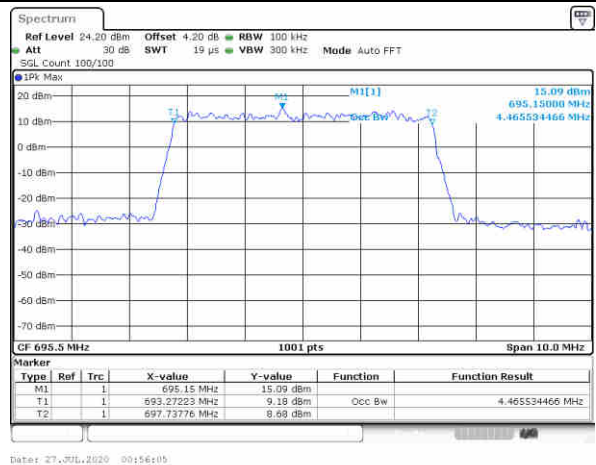
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



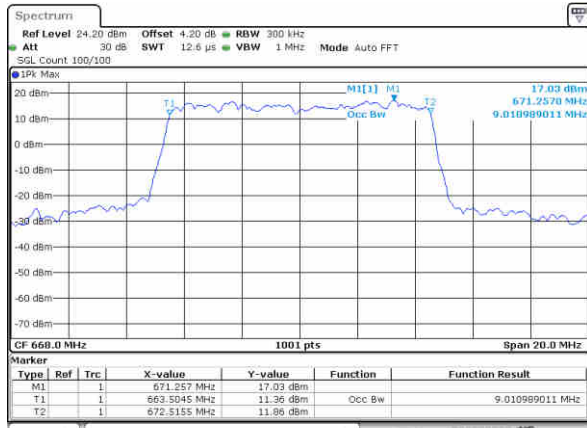
## Highest Channel / 5MHz / 16QAM



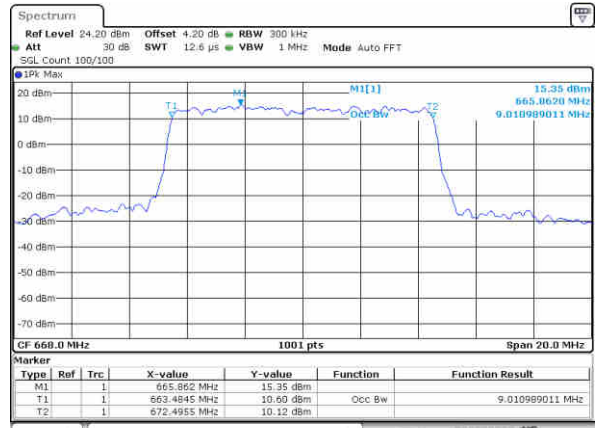


## LTE Band 71

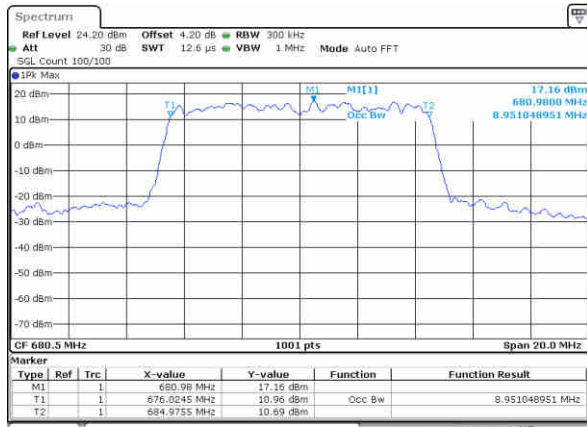
## Lowest Channel / 10MHz / QPSK



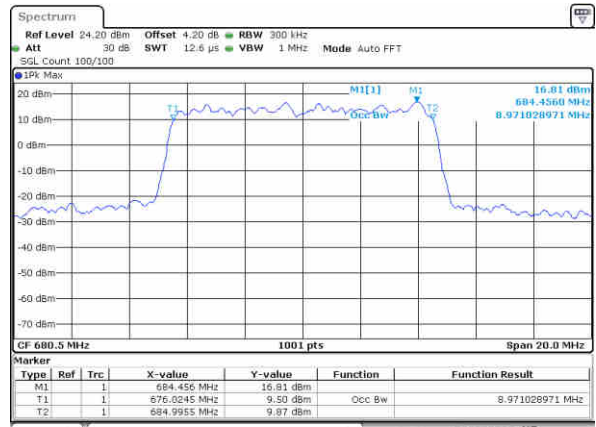
## Lowest Channel / 10MHz / 16QAM



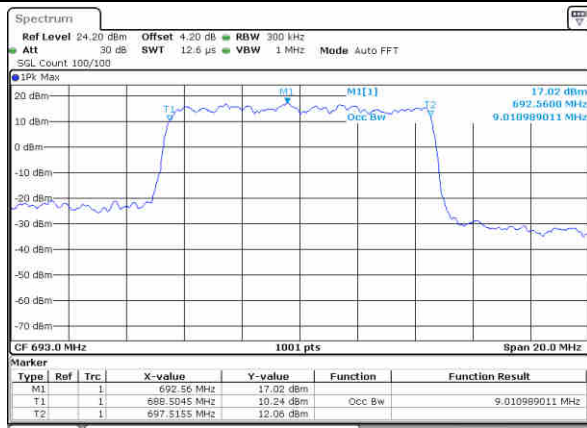
## Middle Channel / 10MHz / QPSK



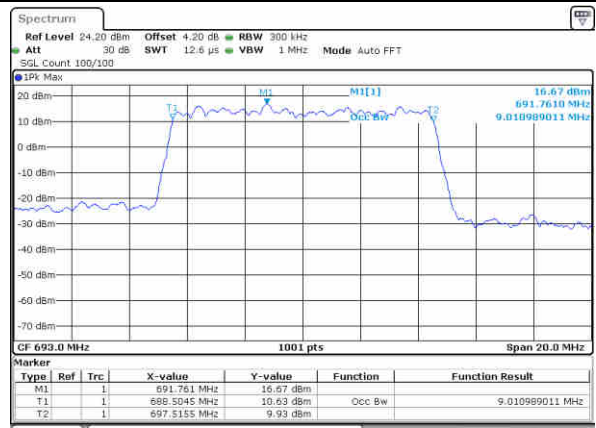
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



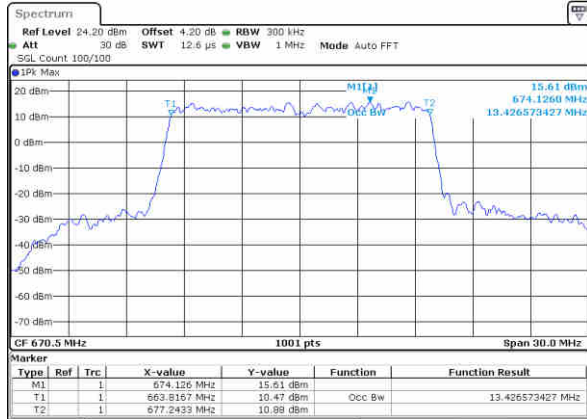
## Highest Channel / 10MHz / 16QAM





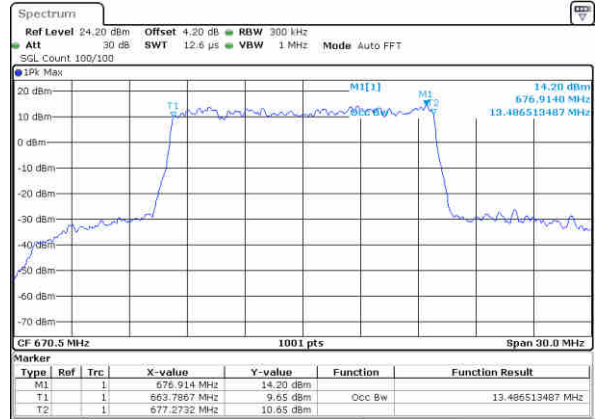
## LTE Band 71

## Lowest Channel / 15MHz / QPSK



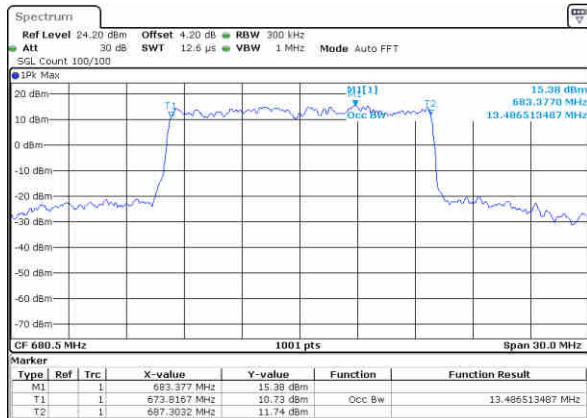
Date: 27\_JUL\_2020 01:40:05

## Lowest Channel / 15MHz / 16QAM



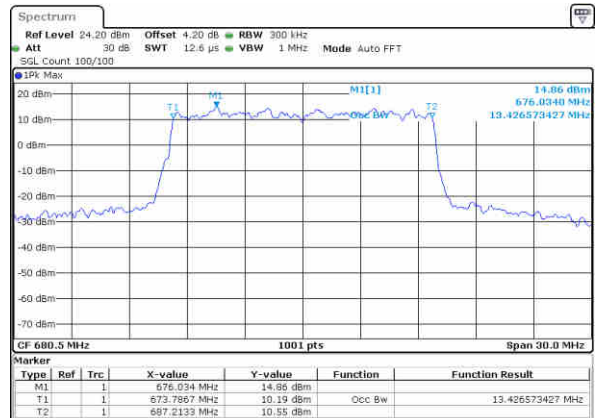
Date: 27\_JUL\_2020 01:38:53

## Middle Channel / 15MHz / QPSK



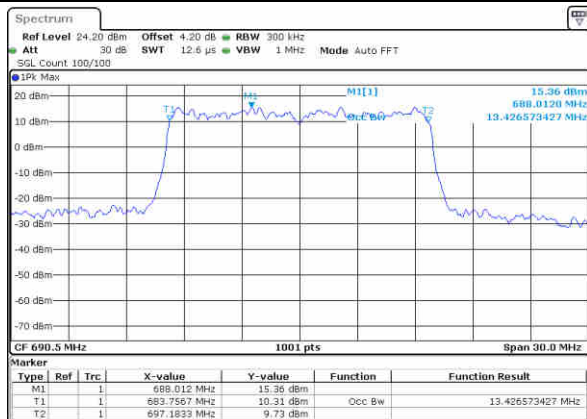
Date: 27\_JUL\_2020 01:49:00

## Middle Channel / 15MHz / 16QAM



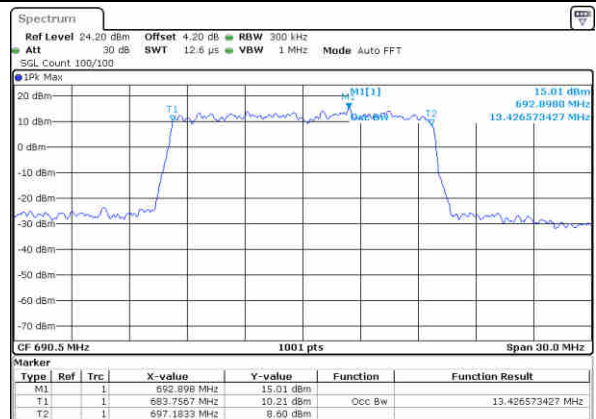
Date: 27\_JUL\_2020 01:49:27

## Highest Channel / 15MHz / QPSK



Date: 27\_JUL\_2020 01:54:33

## Highest Channel / 15MHz / 16QAM

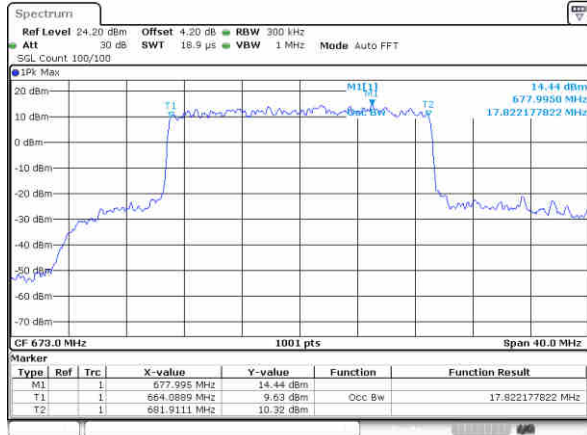


Date: 27\_JUL\_2020 01:53:02

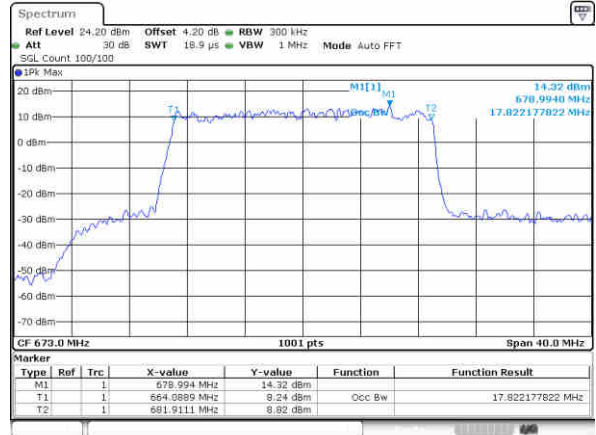


## LTE Band 71

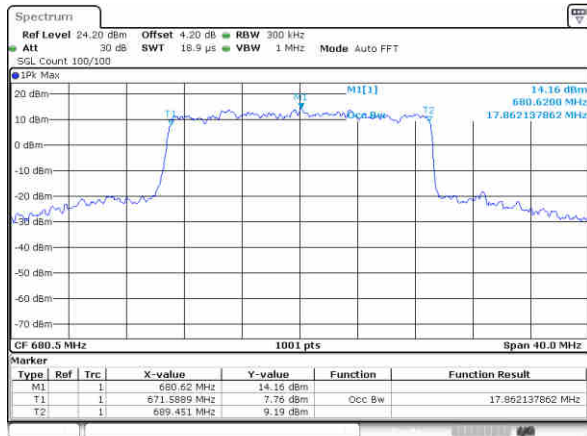
## Lowest Channel / 20MHz / QPSK



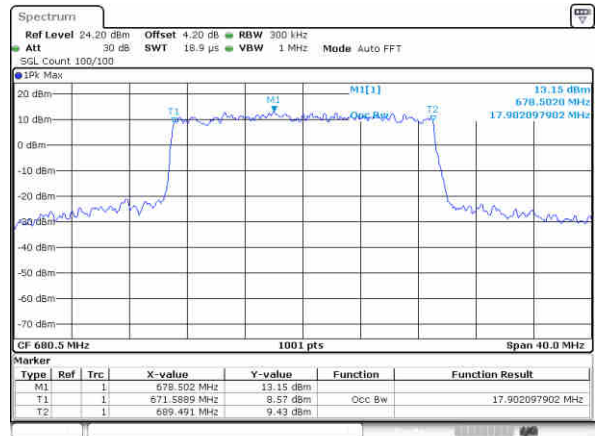
## Lowest Channel / 20MHz / 16QAM



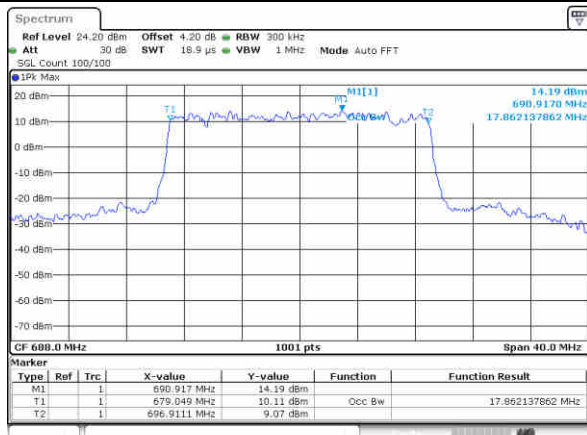
## Middle Channel / 20MHz / QPSK



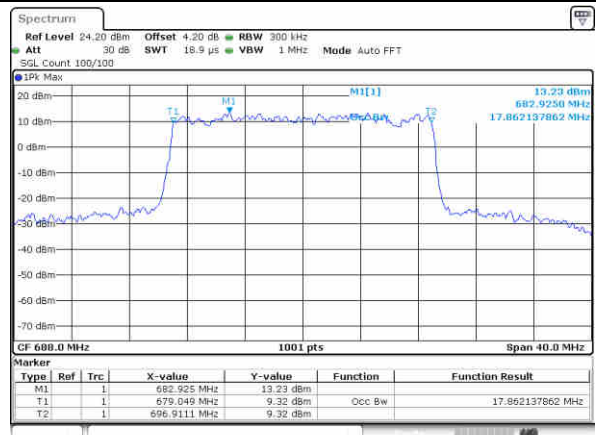
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



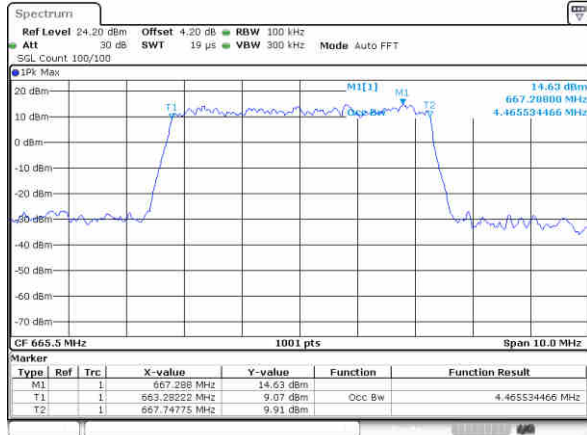
## Highest Channel / 20MHz / 16QAM



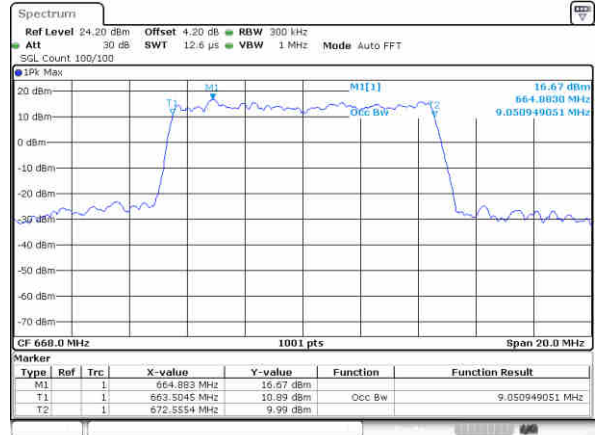


## LTE Band 71

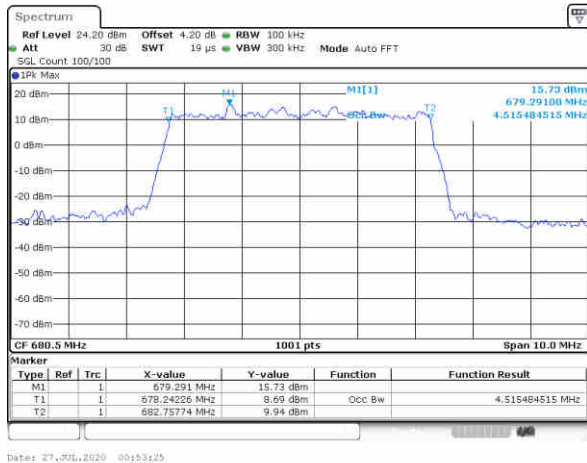
## Lowest Channel / 5MHz / 64QAM



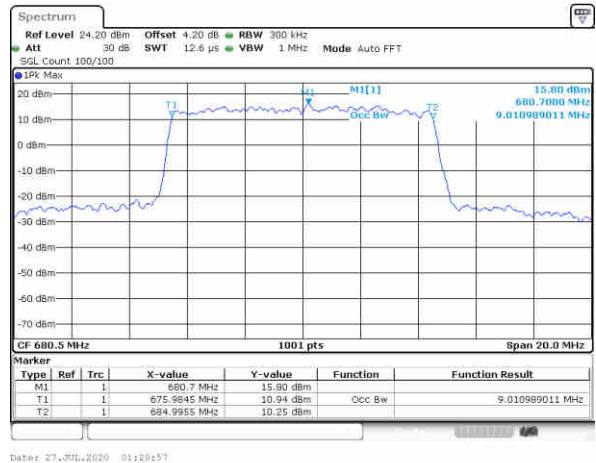
## Lowest Channel / 10MHz / 64QAM



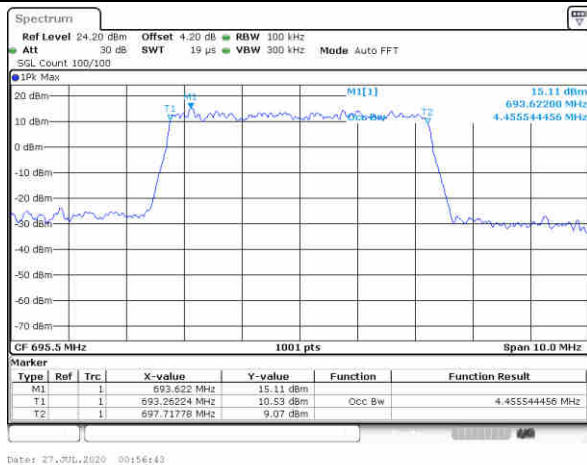
## Middle Channel / 5MHz / 64QAM



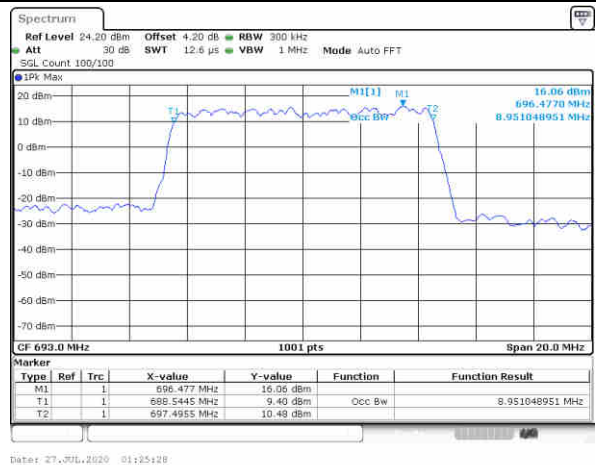
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



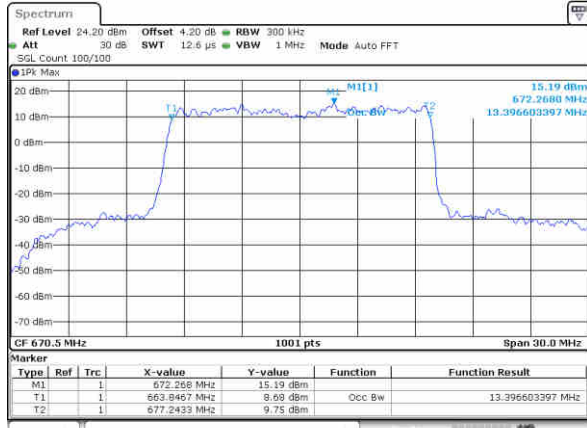
## Highest Channel / 10MHz / 64QAM



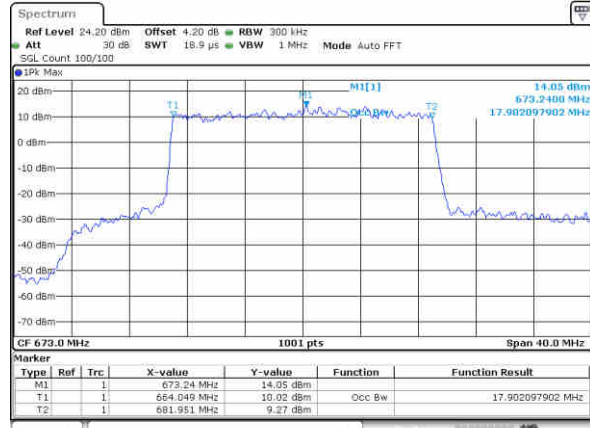


## LTE Band 71

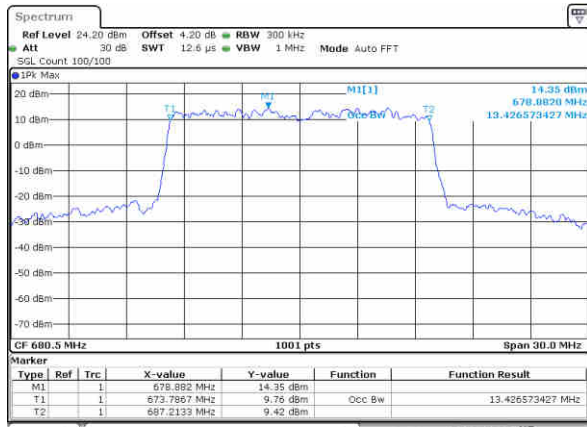
## Lowest Channel / 15MHz / 64QAM



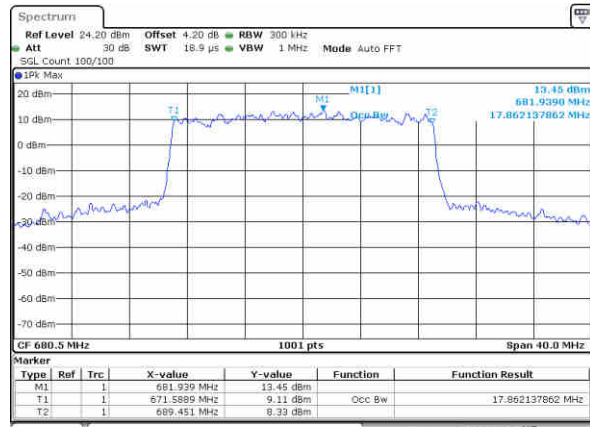
## Lowest Channel / 20MHz / 64QAM



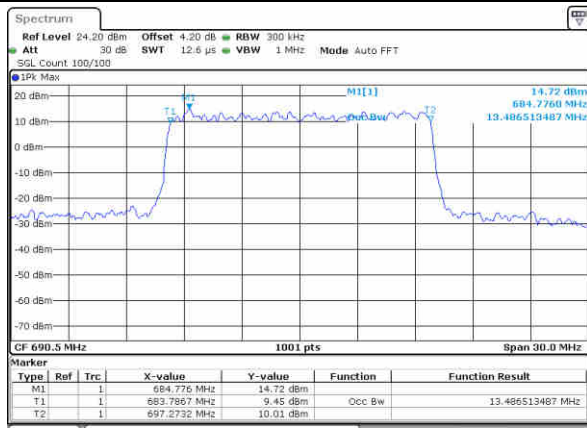
## Middle Channel / 15MHz / 64QAM



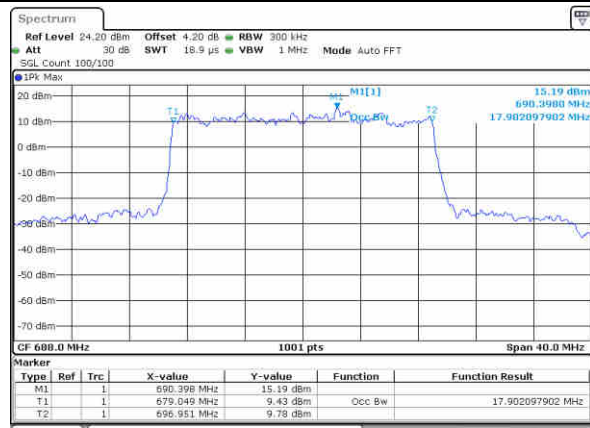
## Middle Channel / 20MHz / 64QAM

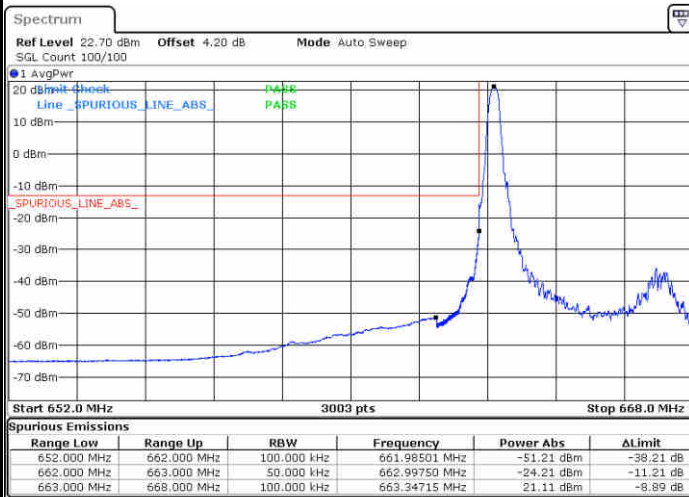
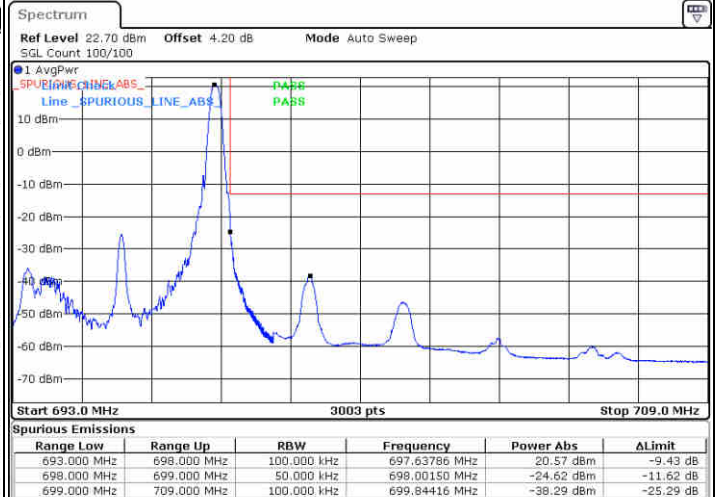
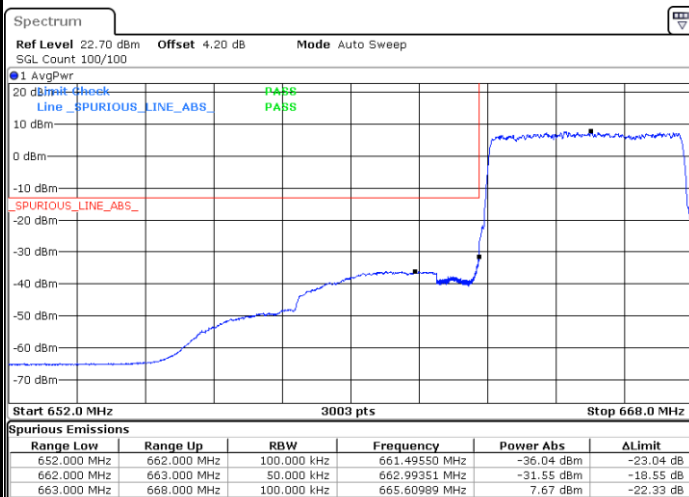


## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM

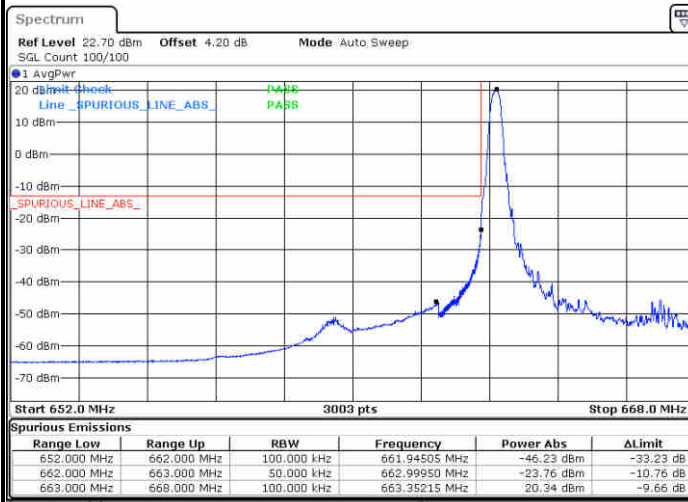


**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

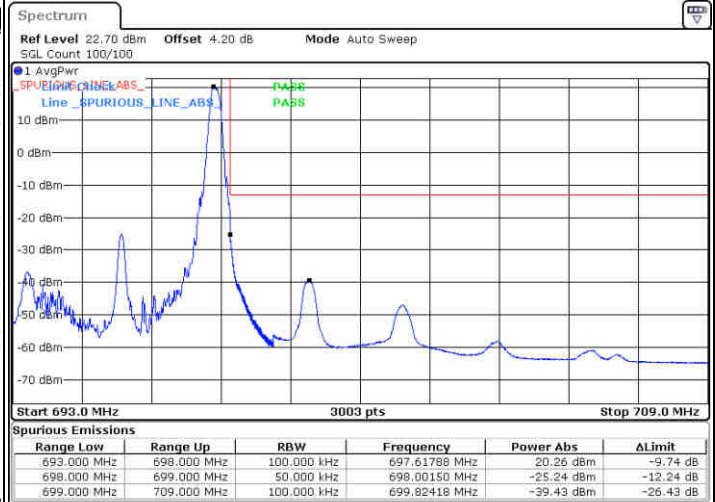


## LTE Band 71 / 5MHz / 16QAM

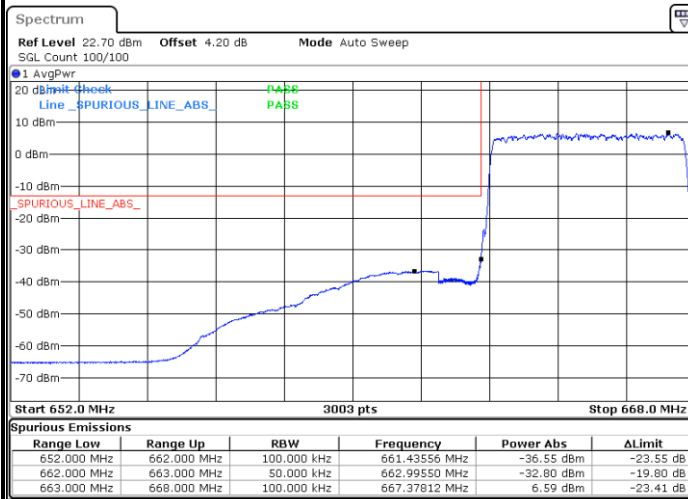
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



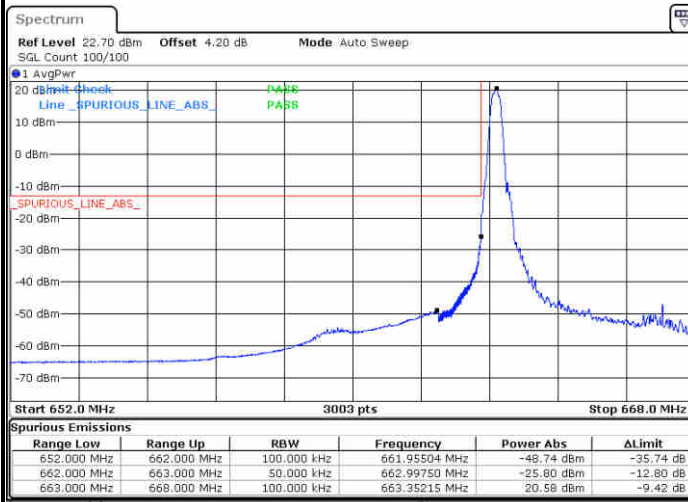
## Highest Band Edge / Full RB



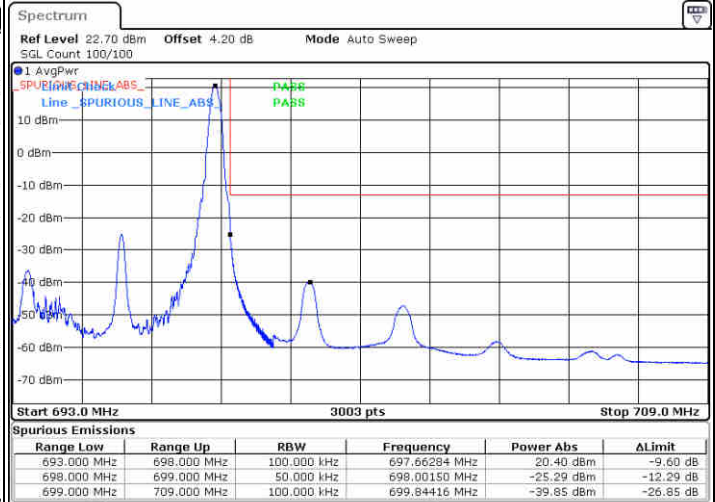


## LTE Band 71 / 5MHz / 64QAM

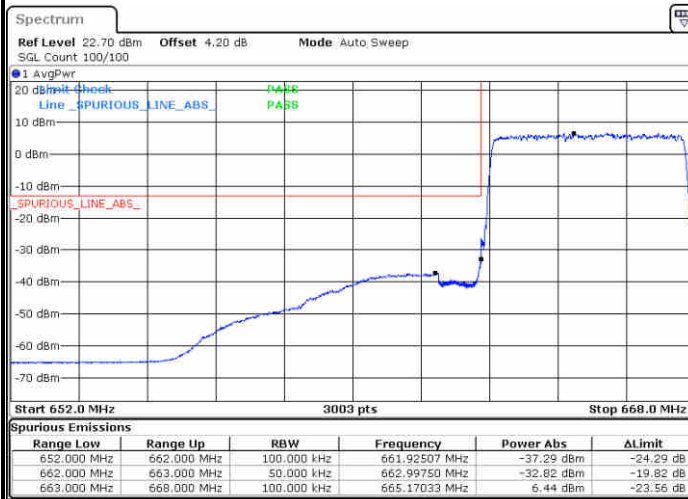
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

