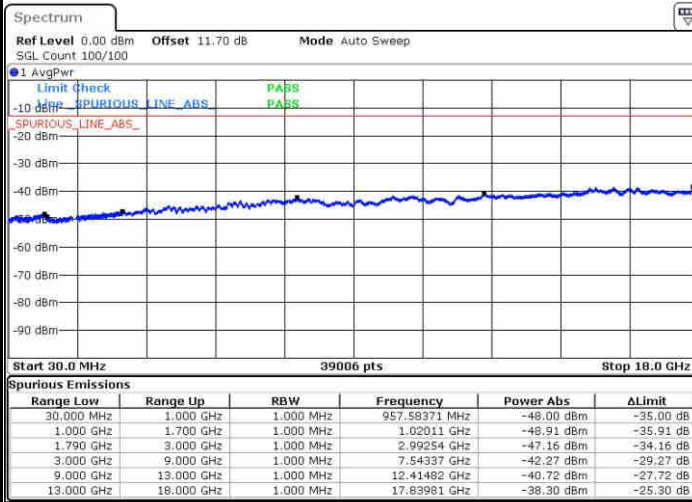




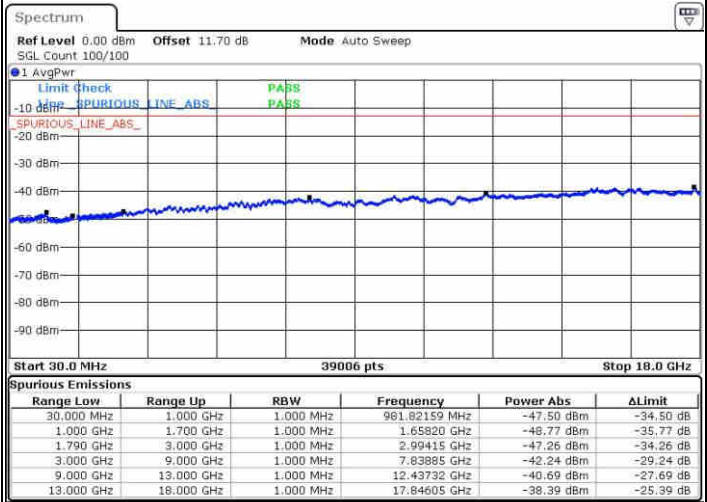
## LTE Band 66 / 10MHz

## Middle Channel / QPSK



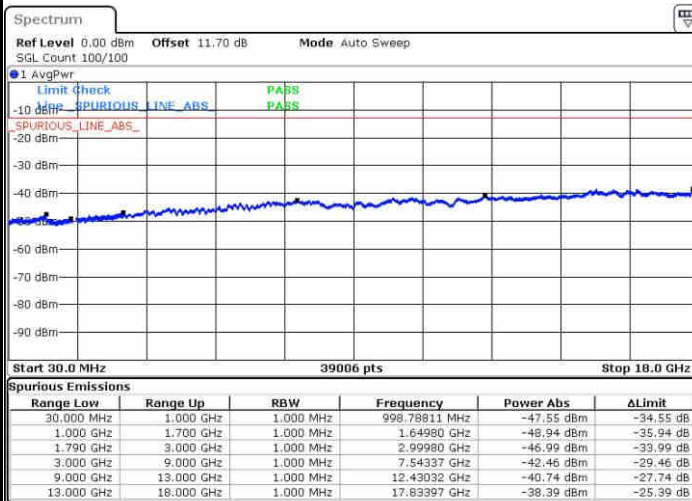
Date: 30 APR 2019 04:16:49

## Middle Channel / 16QAM



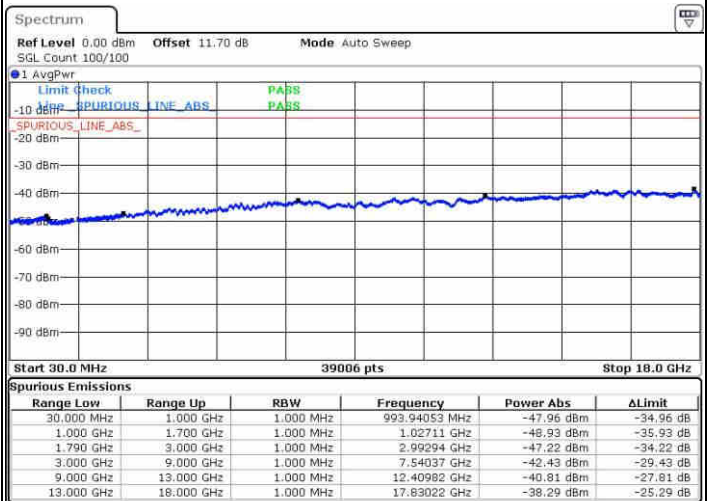
Date: 30 APR 2019 04:17:31

## Highest Channel / QPSK



Date: 30 APR 2019 04:23:08

## Highest Channel / 16QAM

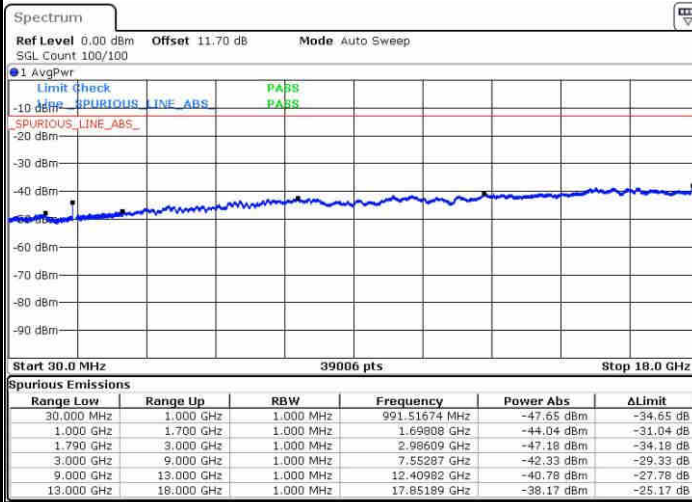


Date: 30 APR 2019 04:23:50



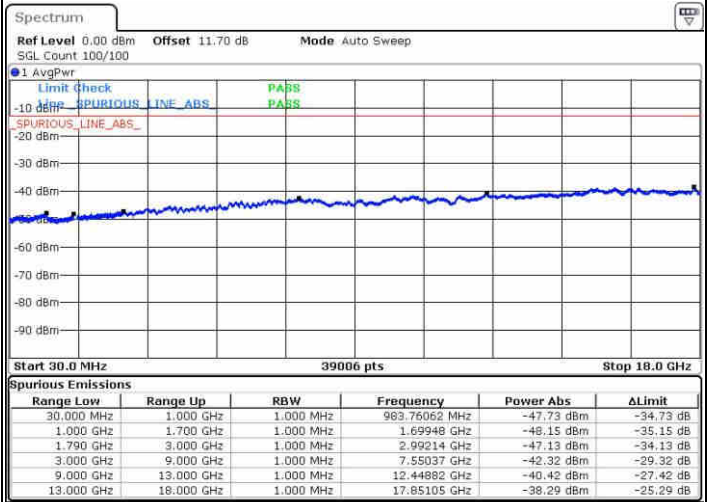
## LTE Band 66 / 15MHz

## Lowest Channel / QPSK



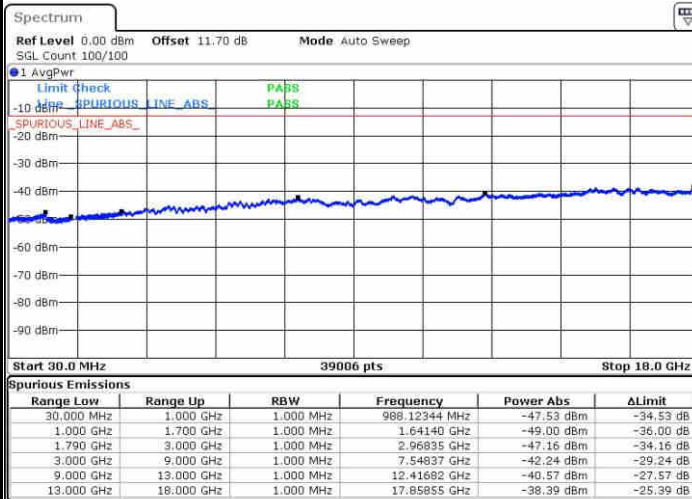
Date: 30 APR 2019 04:44:19

## Lowest Channel / 16QAM



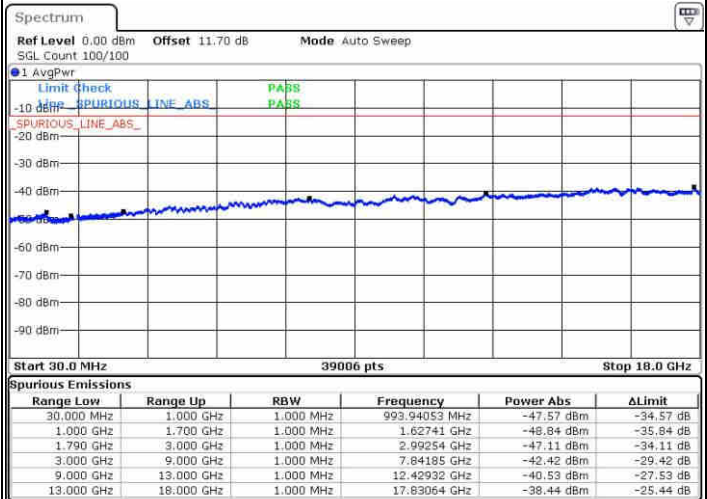
Date: 30 APR 2019 04:45:01

## Middle Channel / QPSK



Date: 30 APR 2019 04:46:32

## Middle Channel / 16QAM

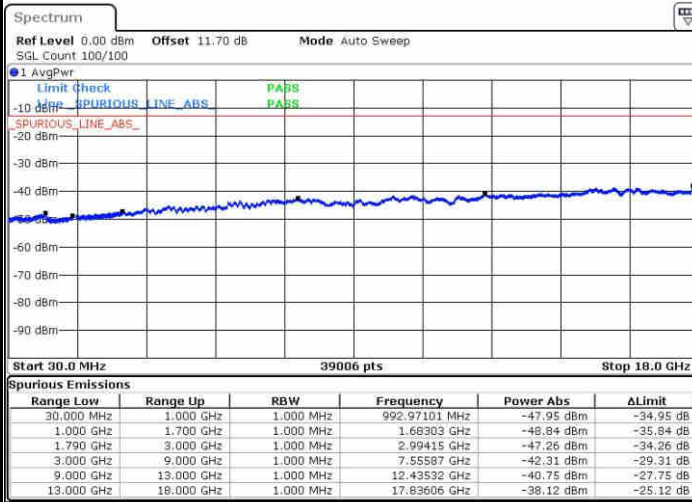


Date: 30 APR 2019 04:47:14



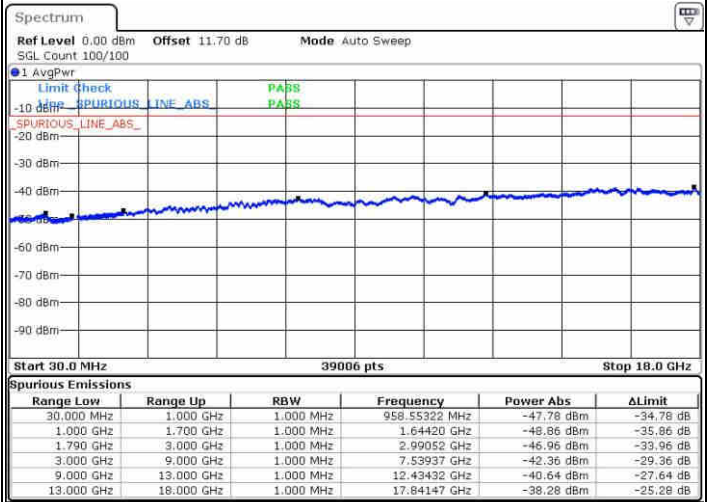
## LTE Band 66 / 15MHz

## Highest Channel / QPSK



Date: 30 APR 2019 04:52:51

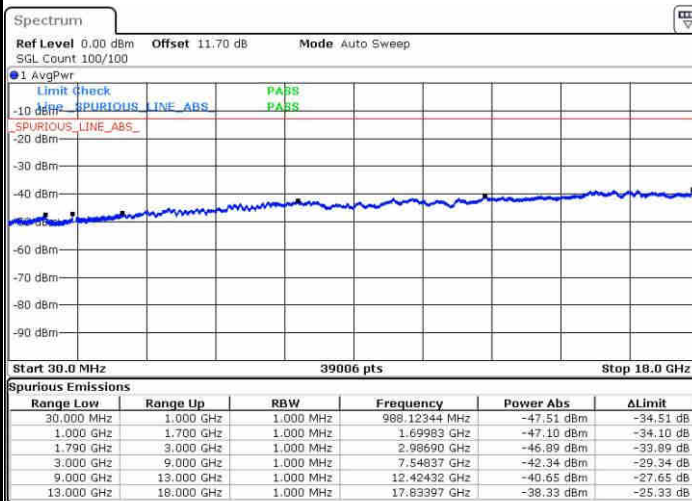
## Highest Channel / 16QAM



Date: 30 APR 2019 04:53:33

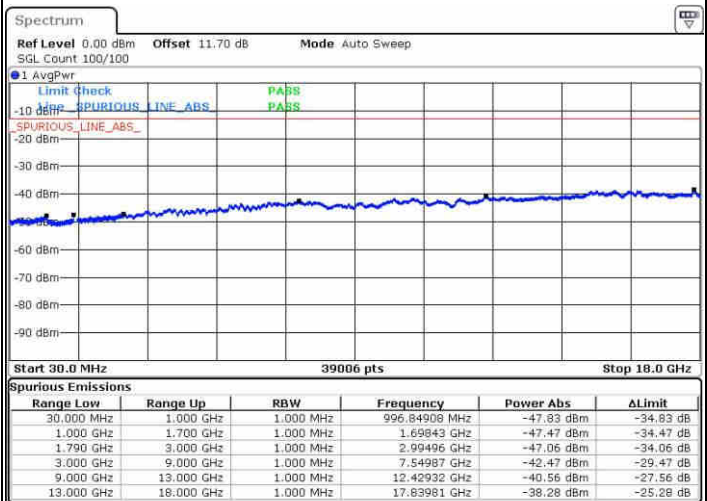
## LTE Band 66 / 20MHz

## Lowest Channel / QPSK



Date: 30 APR 2019 04:59:10

## Lowest Channel / 16QAM

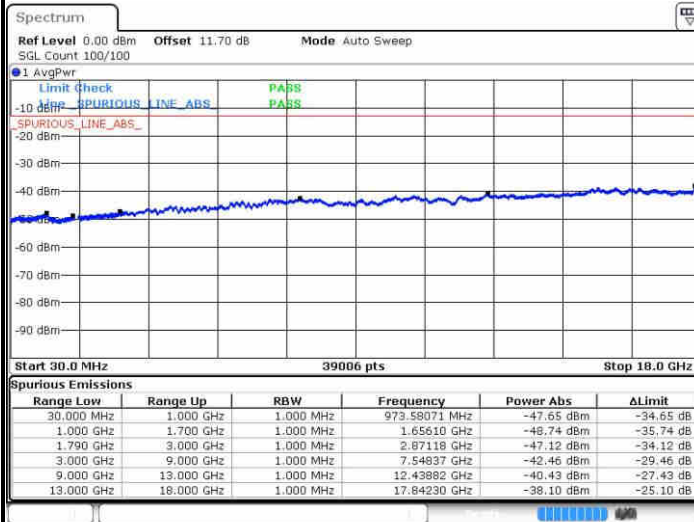


Date: 30 APR 2019 04:59:52



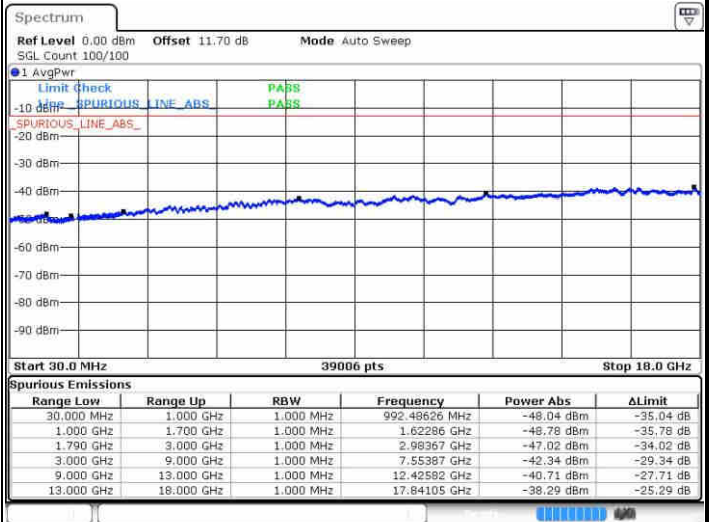
## LTE Band 66 / 20MHz

## Middle Channel / QPSK



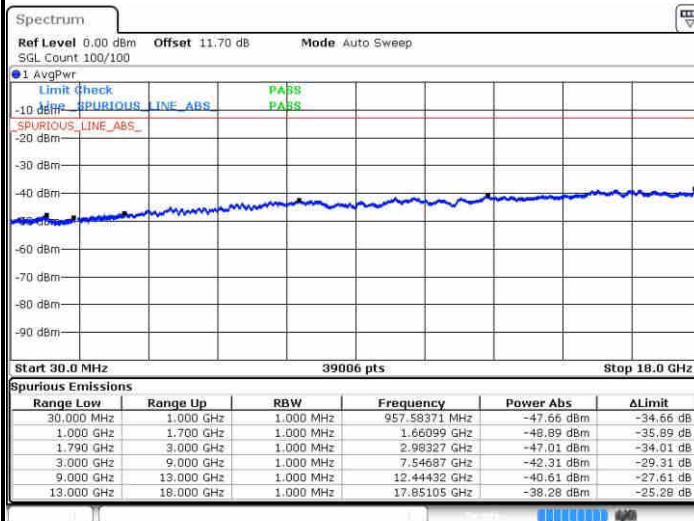
Date: 30 APR 2019 05:01:24

## Middle Channel / 16QAM



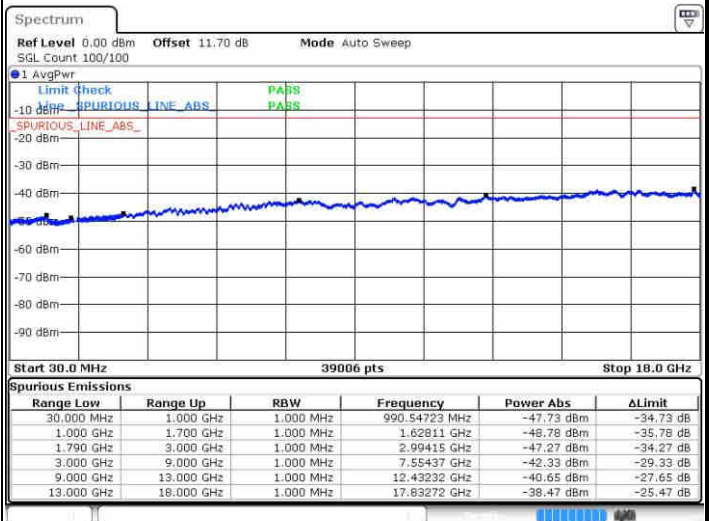
Date: 30 APR 2019 05:02:06

## Highest Channel / QPSK



Date: 30 APR 2019 05:07:43

## Highest Channel / 16QAM

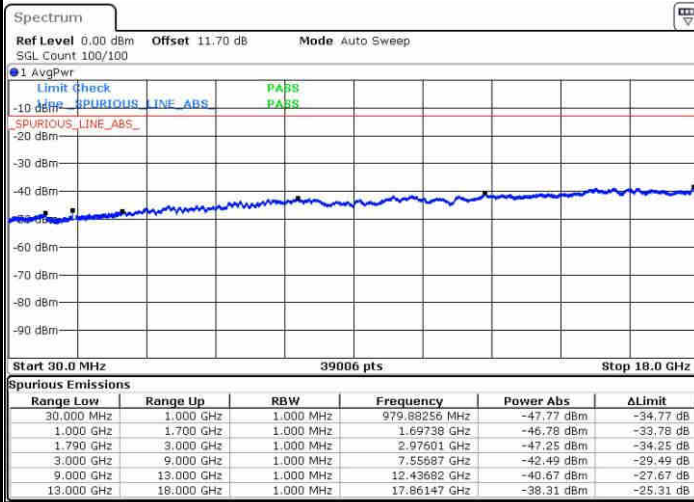


Date: 30 APR 2019 05:08:26



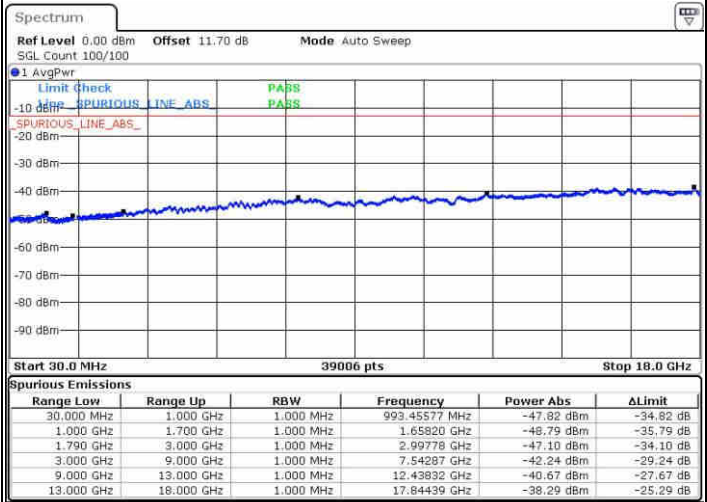
## LTE Band 66 / 1.4MHz

## Lowest Channel / 64QAM



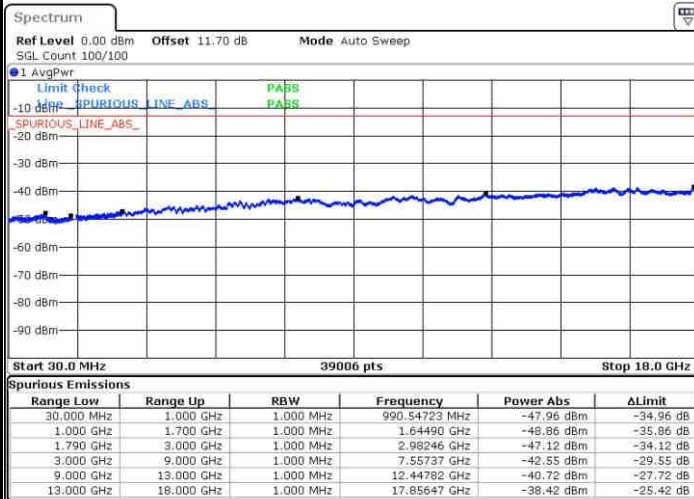
Date: 30 APR 2019 03:20:02

## Middle Channel / 64QAM



Date: 30 APR 2019 03:21:09

## Highest Channel / 64QAM

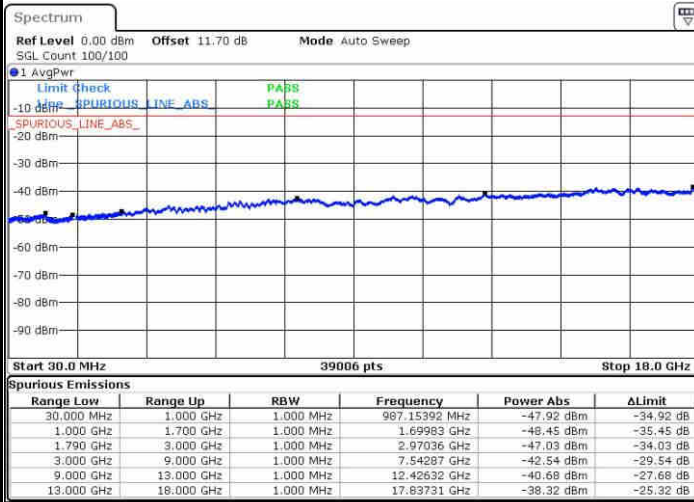


Date: 30 APR 2019 03:24:23



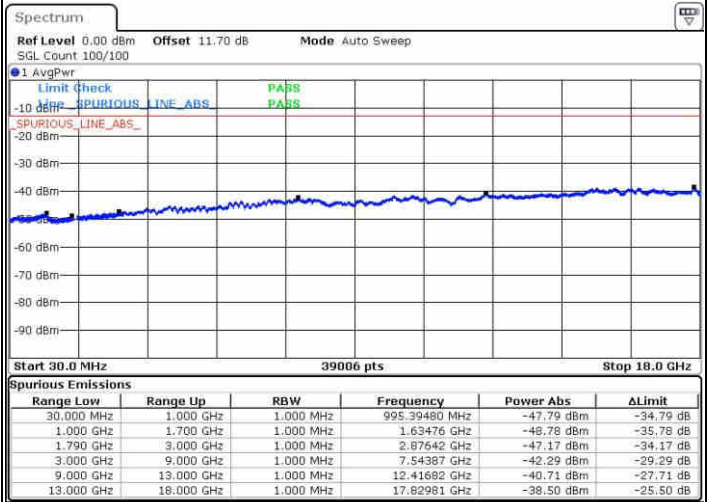
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM



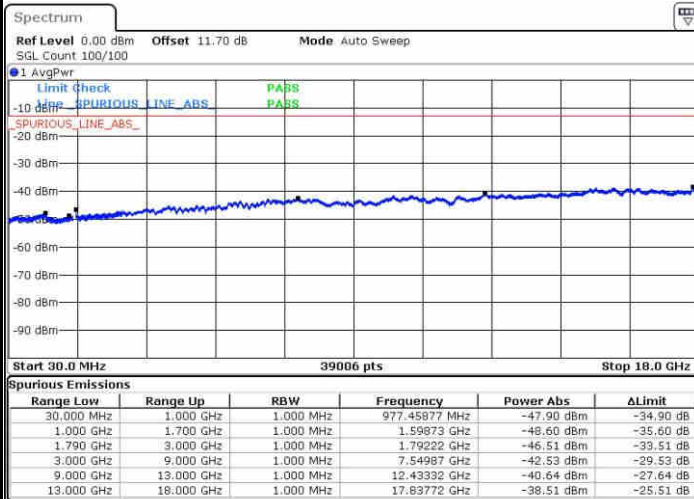
Date: 30 APR 2019 03:42:25

## Middle Channel / 64QAM



Date: 30 APR 2019 03:43:32

## Highest Channel / 64QAM

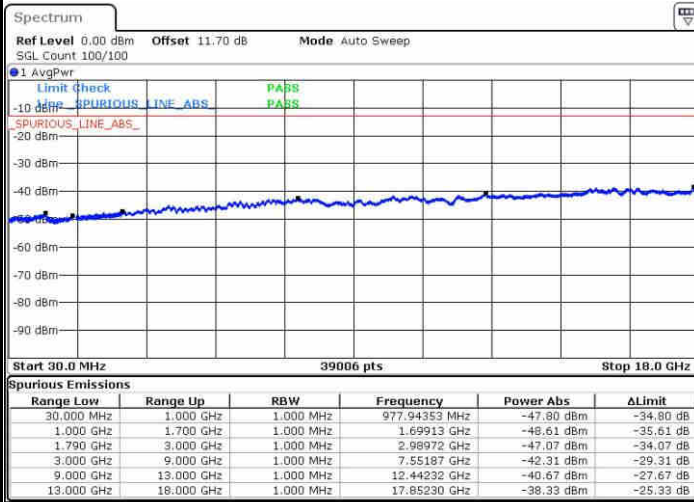


Date: 30 APR 2019 03:46:41



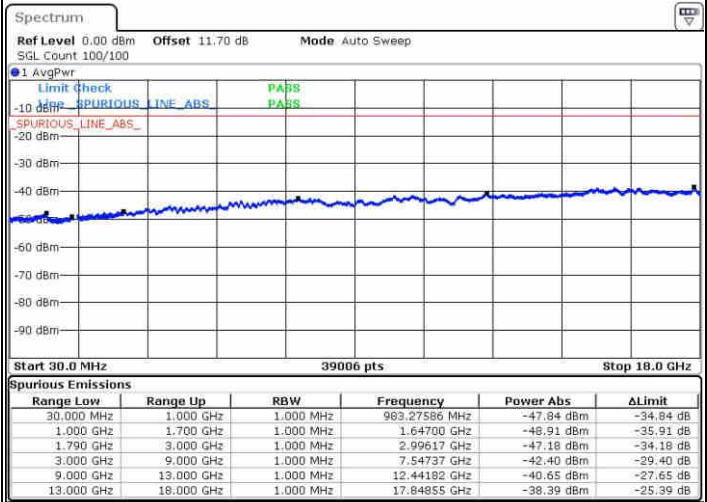
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



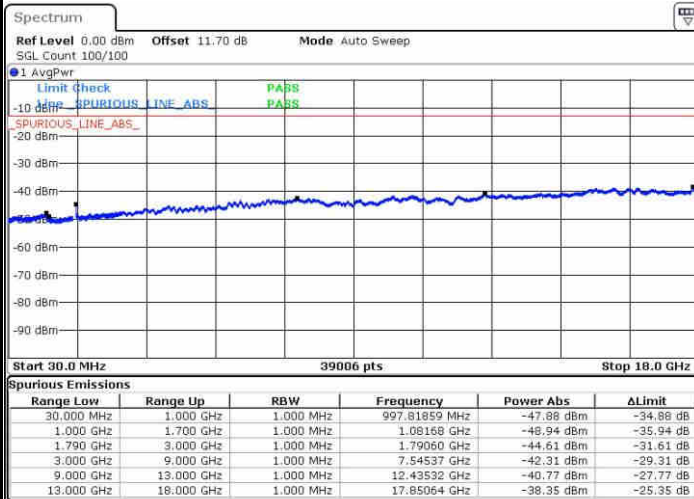
Date: 30 APR 2019 03:49:50

## Middle Channel / 64QAM



Date: 30 APR 2019 03:50:57

## Highest Channel / 64QAM

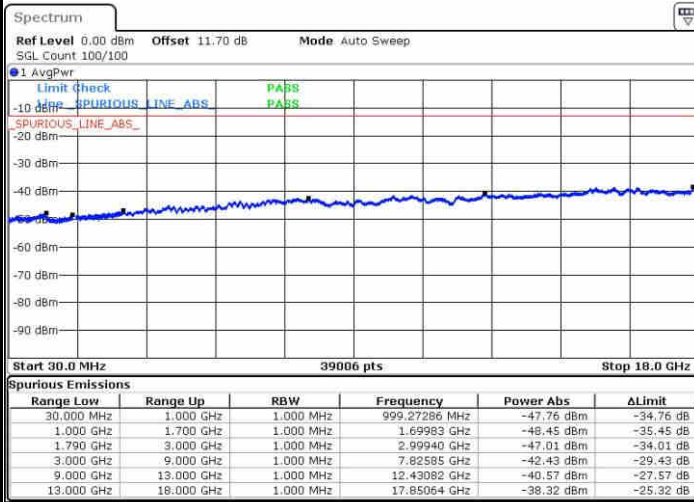


Date: 30 APR 2019 03:54:06



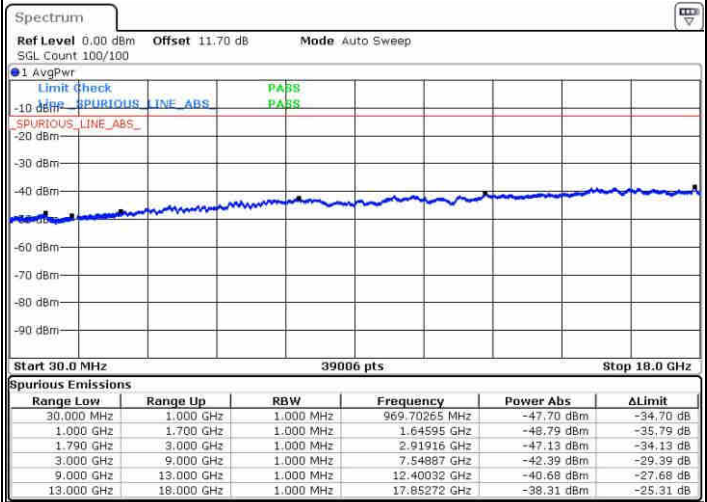
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



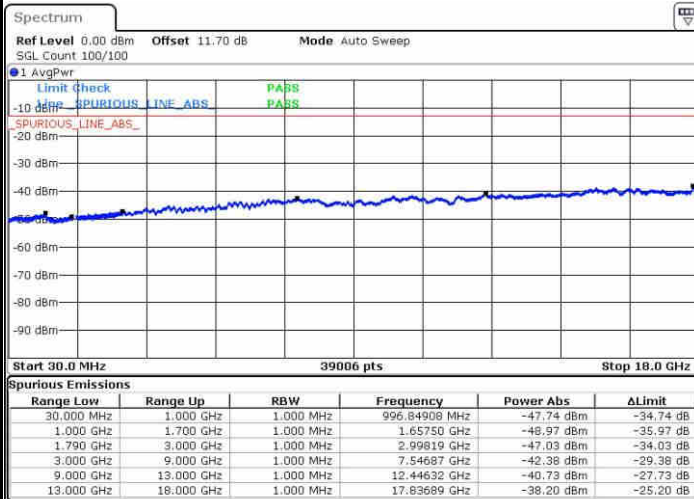
Date: 30 APR 2019 04:26:59

## Middle Channel / 64QAM



Date: 30 APR 2019 04:28:06

## Highest Channel / 64QAM

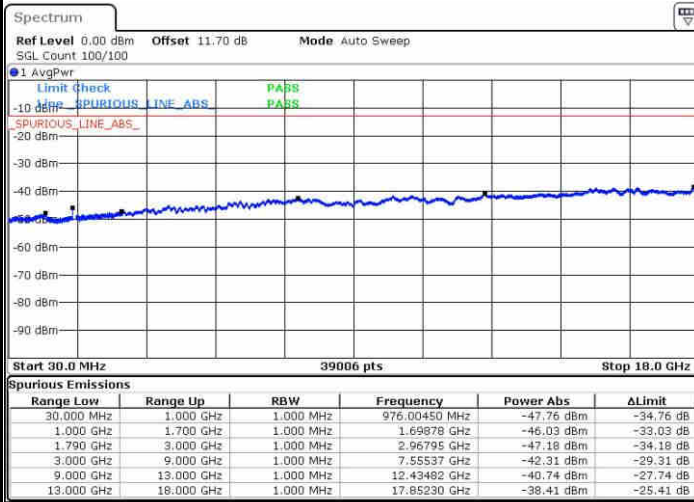


Date: 30 APR 2019 04:31:15



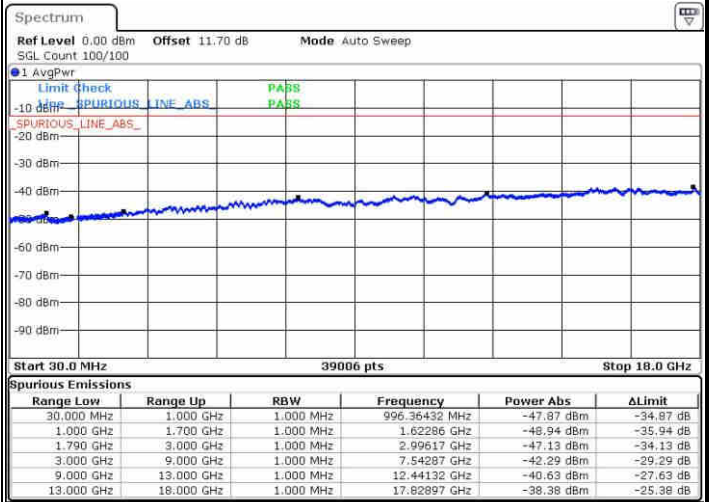
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



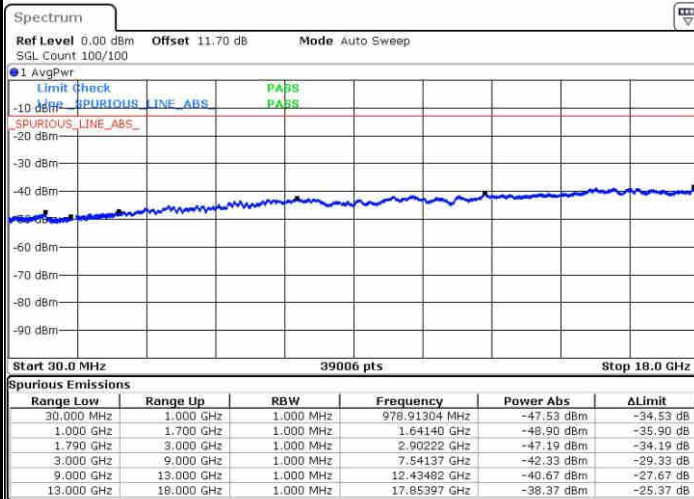
Date: 30 APR 2019 04:34:25

## Middle Channel / 64QAM



Date: 30 APR 2019 04:35:32

## Highest Channel / 64QAM

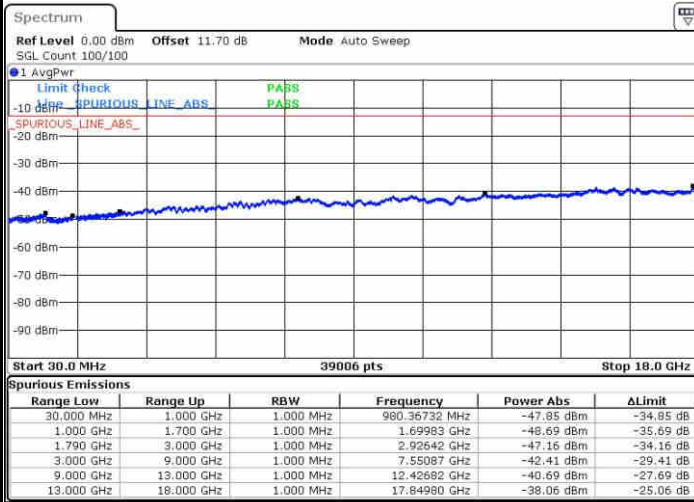


Date: 30 APR 2019 04:38:41



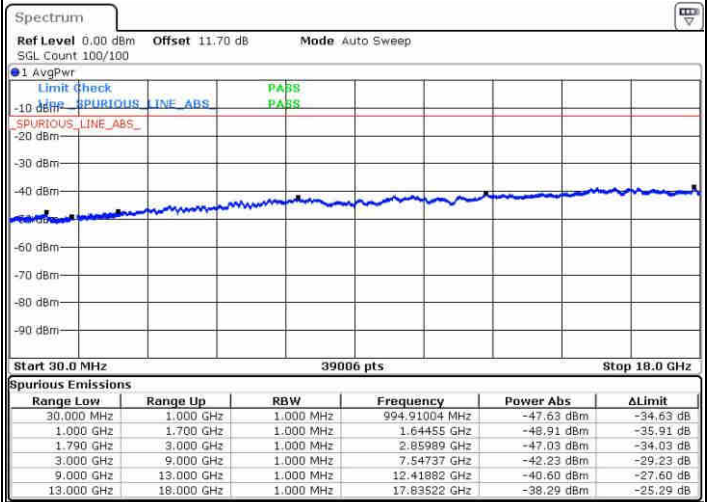
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



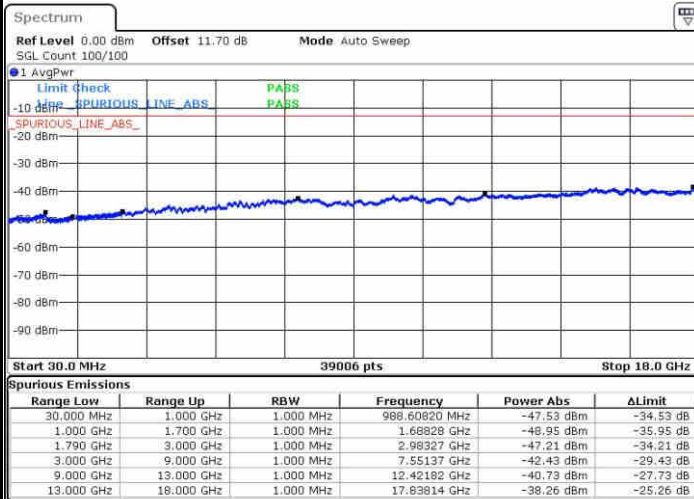
Date: 30 APR 2019 05:11:35

## Middle Channel / 64QAM



Date: 30 APR 2019 05:12:43

## Highest Channel / 64QAM



Date: 30 APR 2019 05:15:53

## 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    | 0.0017                              | PASS    |
| 40               | Normal Voltage    | 0.0014                              |         |
| 30               | Normal Voltage    | 0.0021                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0016                              |         |
| 0                | Normal Voltage    | 0.0022                              |         |
| -10              | Normal Voltage    | 0.0054                              |         |
| -20              | Normal Voltage    | 0.0039                              |         |
| -30              | Normal Voltage    | 0.0030                              |         |
| 20               | Maximum Voltage   | 0.0042                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0019                              |         |

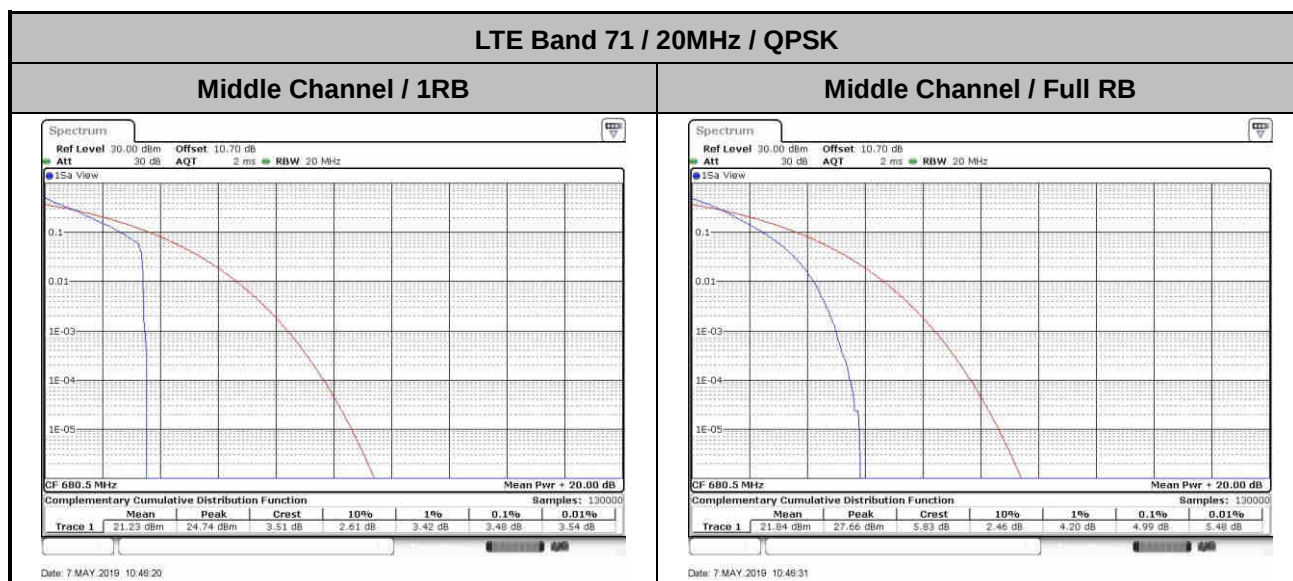
**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 71

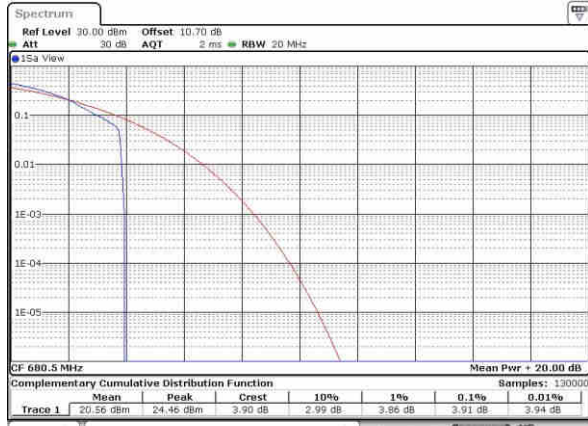
### Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.65                | 4.99    | 4.32  | 6.06    | PASS        |
| Middle CH  | 3.48                | 4.99    | 3.91  | 5.91    |             |
| Highest CH | 3.65                | 5.01    | 4.38  | 6.06    |             |
| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.16                | 6.46    | -     | -       | PASS        |
| Middle CH  | 5.01                | 6.41    | -     | -       |             |
| Highest CH | 5.48                | 6.46    | -     | -       |             |



### LTE Band 71 / 20MHz / 16QAM

#### Middle Channel / 1RB



Date: 7 MAY 2019 10:44:30

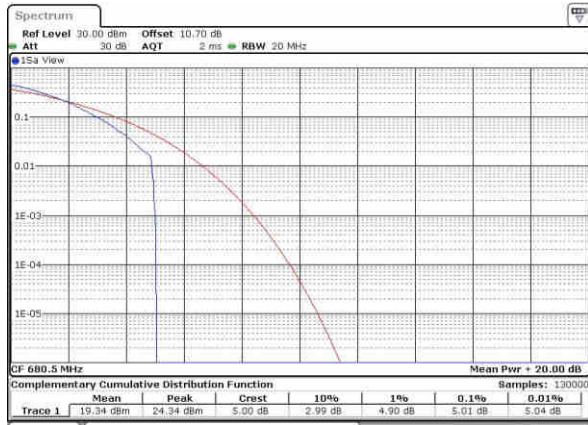
#### Middle Channel / Full RB



Date: 7 MAY 2019 10:44:41

### LTE Band 71 / 20MHz / 64QAM

#### Middle Channel / 1RB



Date: 7 MAY 2019 10:52:29

#### Middle Channel / Full RB



Date: 7 MAY 2019 10:52:40

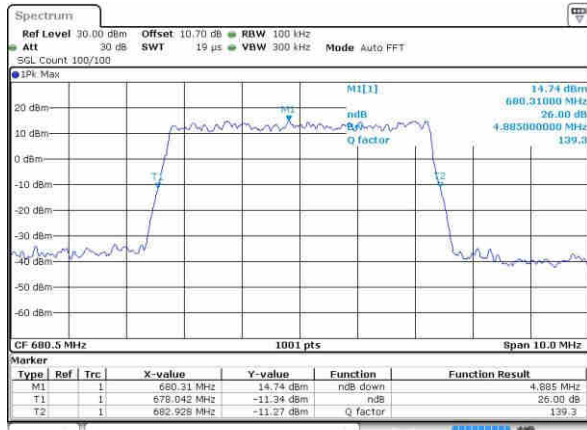
**26dB Bandwidth**

| 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  | -                          | -     | -     | -     | 4.91  | 4.86  | 9.83  | 9.75  | 14.24 | 14.42 | 18.74 | 19.22 |
| Middle CH  | -                          | -     | -     | -     | 4.89  | 4.88  | 9.79  | 9.73  | 14.39 | 14.15 | 18.94 | 19.10 |
| Highest CH | -                          | -     | -     | -     | 4.97  | 4.87  | 9.87  | 9.67  | 14.45 | 14.39 | 19.26 | 18.94 |
| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.86  | -     | 9.85  | -     | 14.45 | -     | 18.98 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.84  | -     | 9.97  | -     | 14.21 | -     | 19.06 | -     |
| Highest CH | -                          | -     | -     | -     | 4.91  | -     | 9.85  | -     | 14.36 | -     | 18.94 | -     |



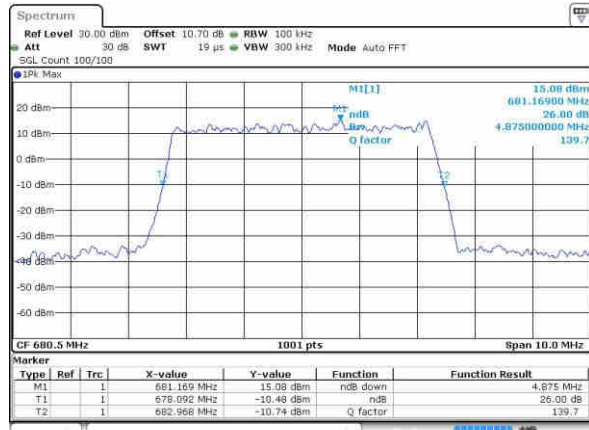
## LTE Band 71

## Middle Channel / 5MHz / QPSK



Date: 7 MAY 2019 09:25:19

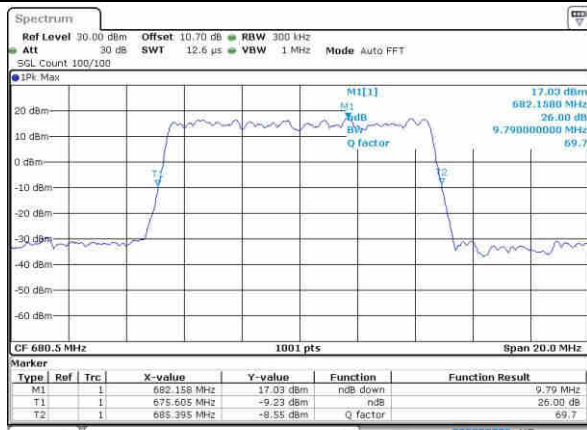
## Middle Channel / 5MHz / 16QAM



Date: 7 MAY 2019 09:25:31

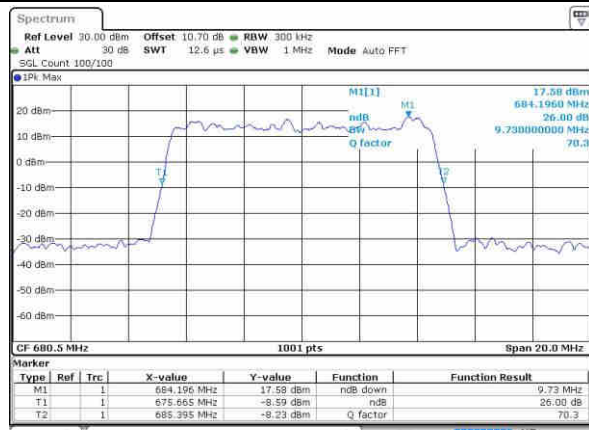
## LTE Band 71

## Middle Channel / 10MHz / QPSK



Date: 7 MAY 2019 09:44:53

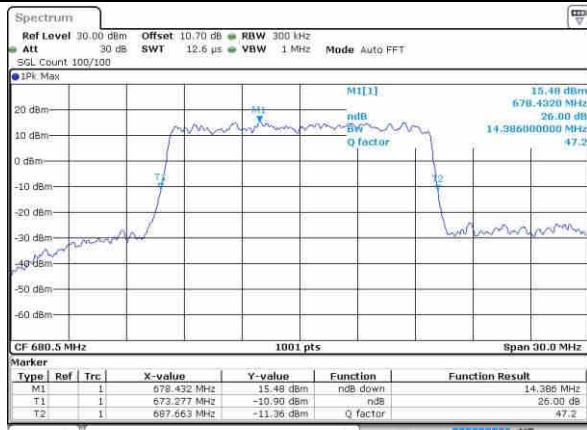
## Middle Channel / 10MHz / 16QAM



Date: 7 MAY 2019 09:45:05

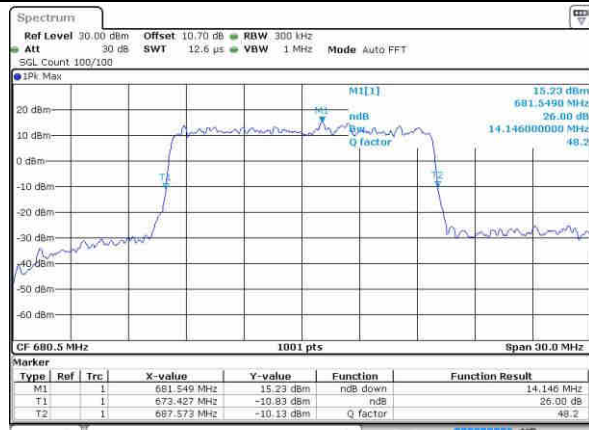
## LTE Band 71

## Middle Channel / 15MHz / QPSK



Date: 7 MAY 2019 10:04:27

## Middle Channel / 15MHz / 16QAM

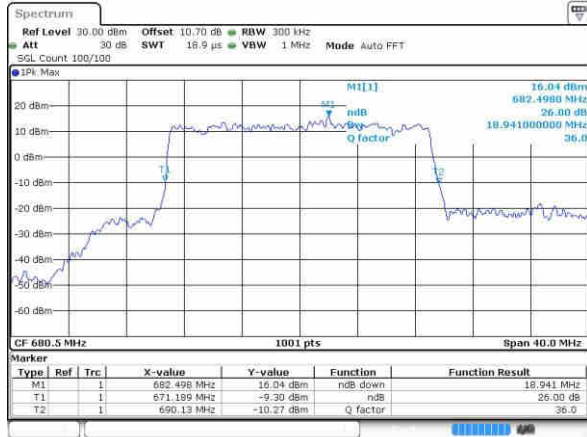


Date: 7 MAY 2019 10:04:39



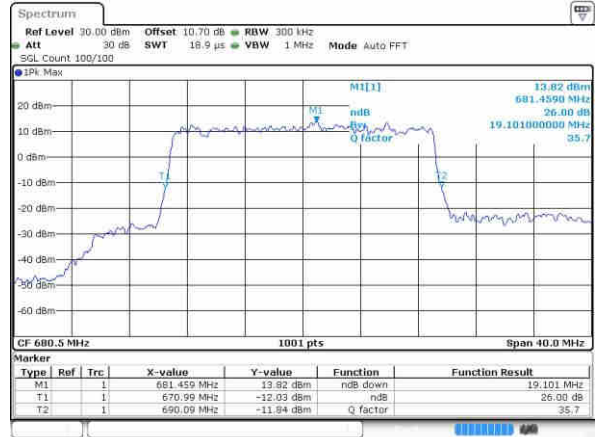
## LTE Band 71

## Middle Channel / 20MHz / QPSK



Date: 7 MAY 2019 10:24:02

## Middle Channel / 20MHz / 16QAM

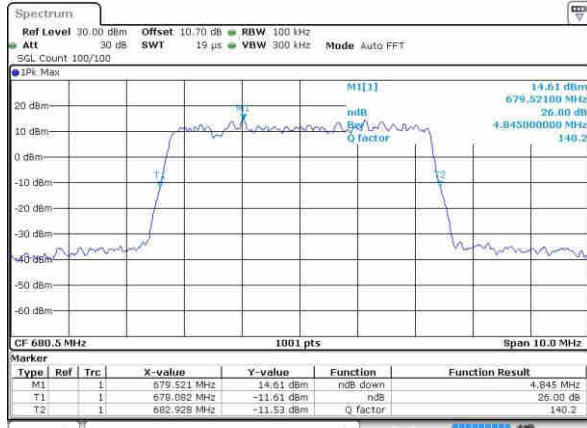


Date: 7 MAY 2019 10:24:14



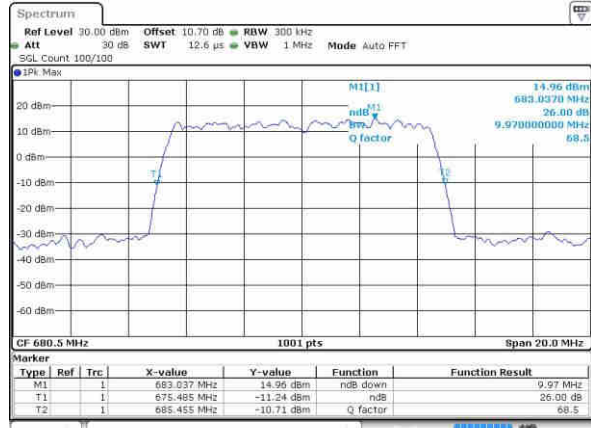
## LTE Band 71

## Middle Channel / 5MHz / 64QAM



Date: 7 MAY 2019 09:35:29

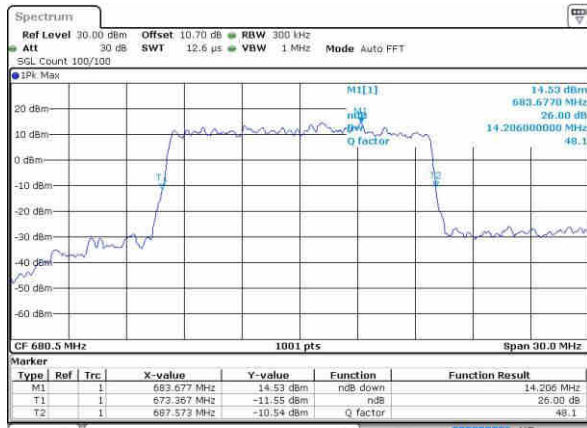
## Middle Channel / 10MHz / 64QAM



Date: 7 MAY 2019 09:55:02

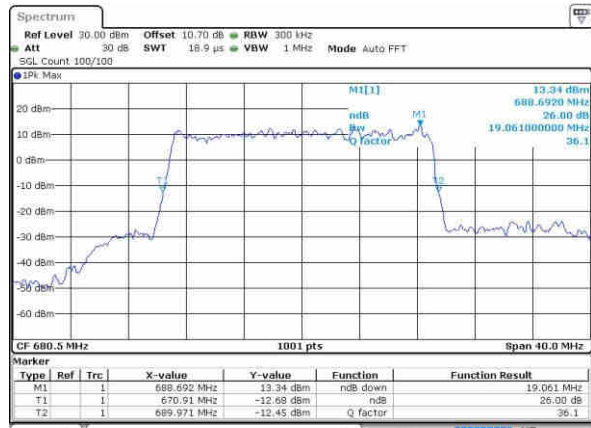
## LTE Band 71

## Middle Channel / 15MHz / 64QAM



Date: 7 MAY 2019 10:14:37

## Middle Channel / 20MHz / 64QAM



Date: 7 MAY 2019 10:34:11

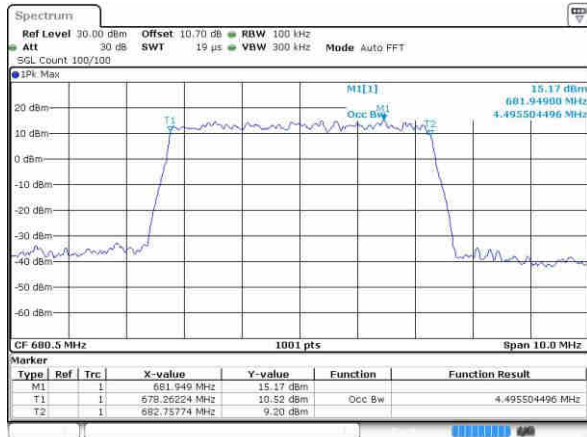
**Occupied Bandwidth**

| 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  | -                         | -     | -     | -     | 4.49  | 4.48  | 9.01  | 8.99  | 13.46 | 13.40 | 17.86 | 17.90 |
| Middle CH  | -                         | -     | -     | -     | 4.50  | 4.51  | 8.97  | 8.99  | 13.46 | 13.40 | 17.90 | 17.94 |
| Highest CH | -                         | -     | -     | -     | 4.48  | 4.49  | 9.03  | 9.01  | 13.46 | 13.43 | 17.86 | 17.78 |
| Mode       | LTE Band 71 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.50  | -     | 8.97  | -     | 13.37 | -     | 17.90 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.49  | -     | 9.03  | -     | 13.37 | -     | 17.98 | -     |
| Highest CH | -                         | -     | -     | -     | 4.50  | -     | 9.03  | -     | 13.40 | -     | 17.82 | -     |

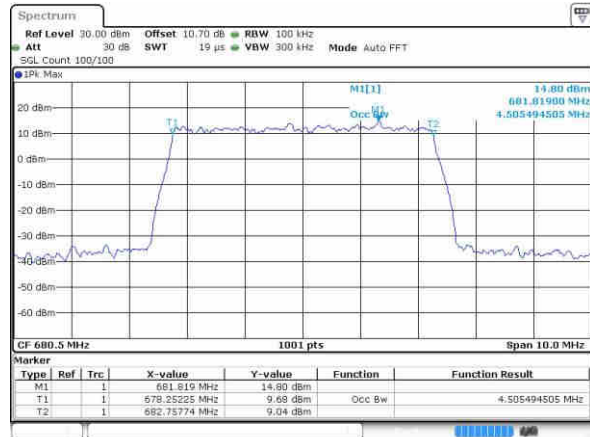


## LTE Band 71

## Middle Channel / 5MHz / QPSK

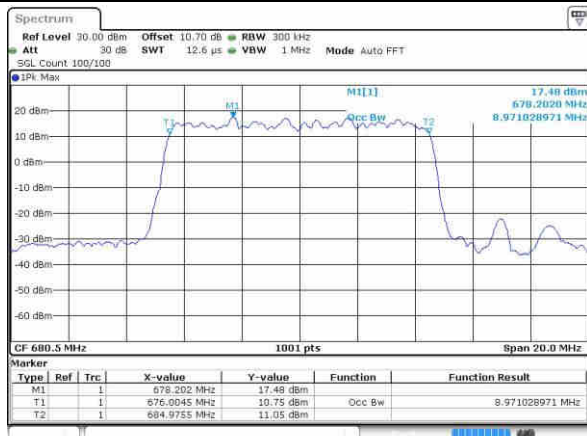


## Middle Channel / 5MHz / 16QAM

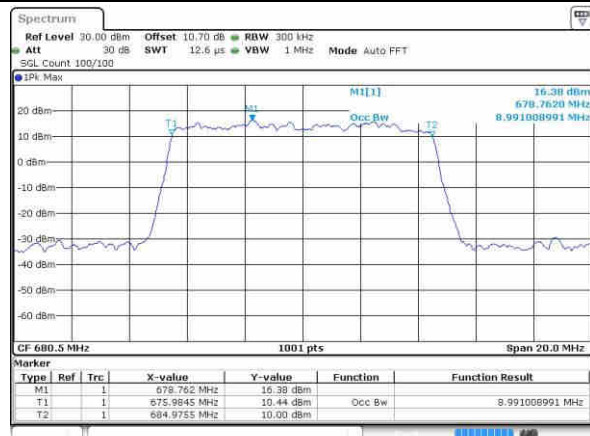


## LTE Band 71

## Middle Channel / 10MHz / QPSK

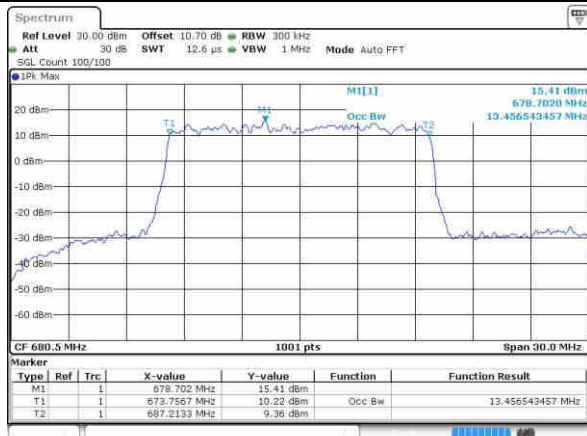


## Middle Channel / 10MHz / 16QAM

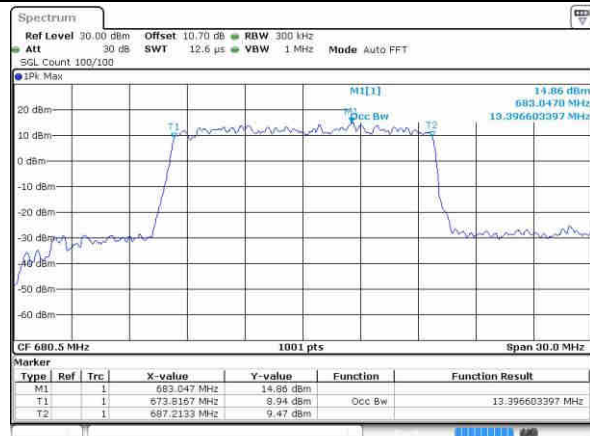


## LTE Band 71

## Middle Channel / 15MHz / QPSK



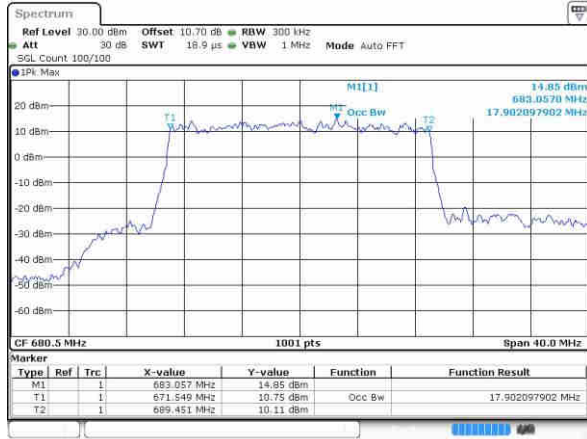
## Middle Channel / 15MHz / 16QAM





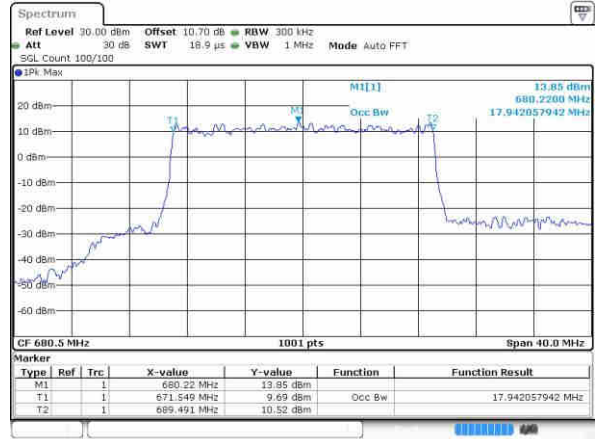
## LTE Band 71

## Middle Channel / 20MHz / QPSK



Date: 7 MAY 2019 10:23:39

## Middle Channel / 20MHz / 16QAM

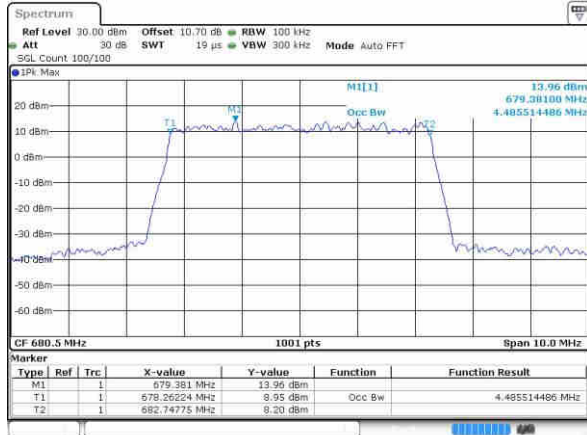


Date: 7 MAY 2019 10:23:50

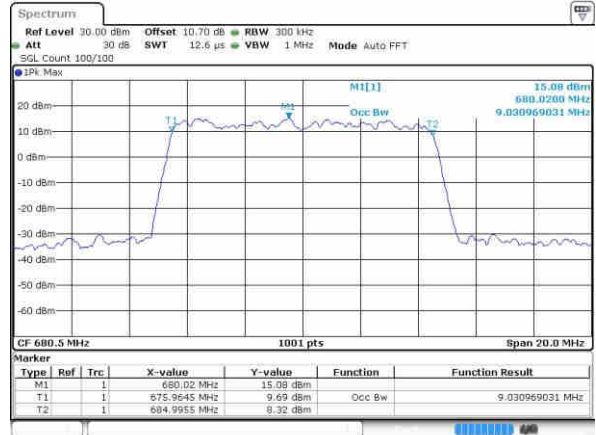


## LTE Band 71

## Middle Channel / 5MHz / 64QAM

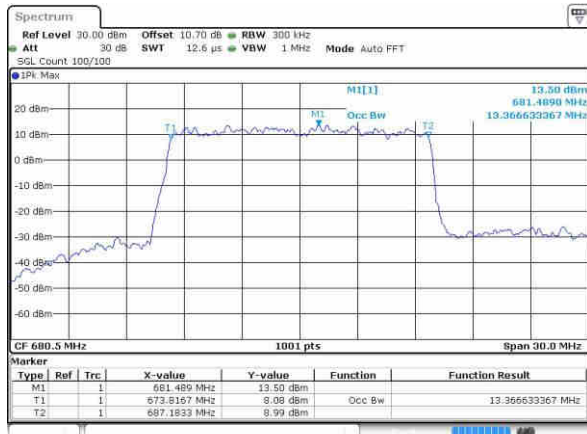


## Middle Channel / 10MHz / 64QAM

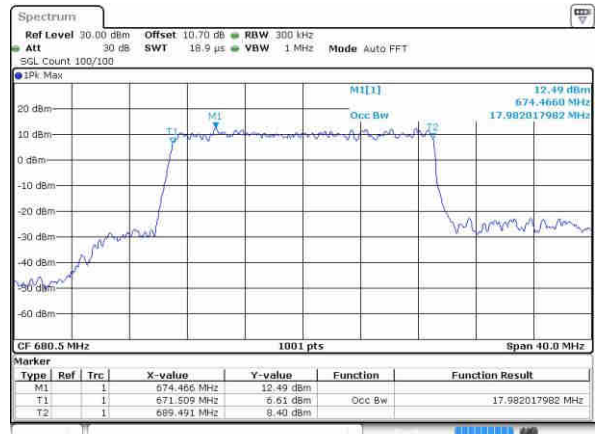


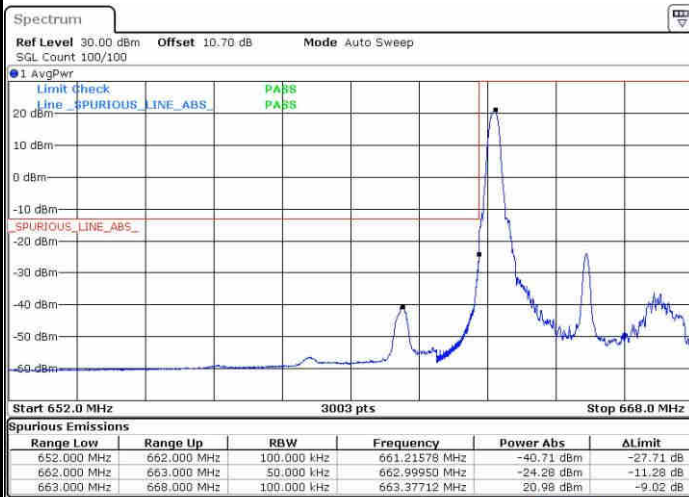
## LTE Band 71

## Middle Channel / 15MHz / 64QAM



## Middle Channel / 20MHz / 64QAM

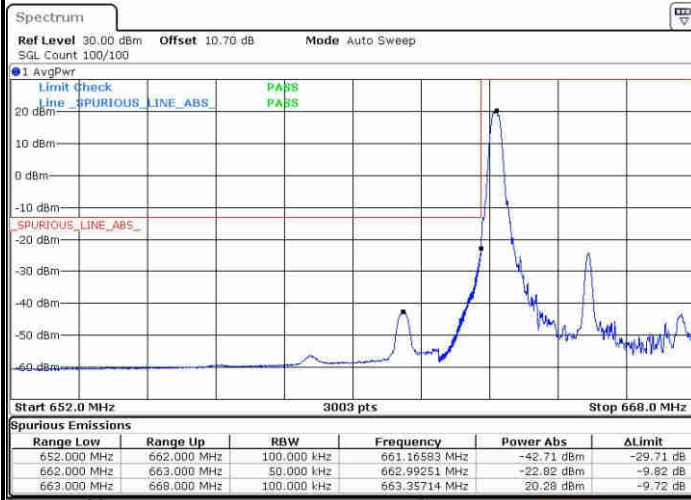


**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

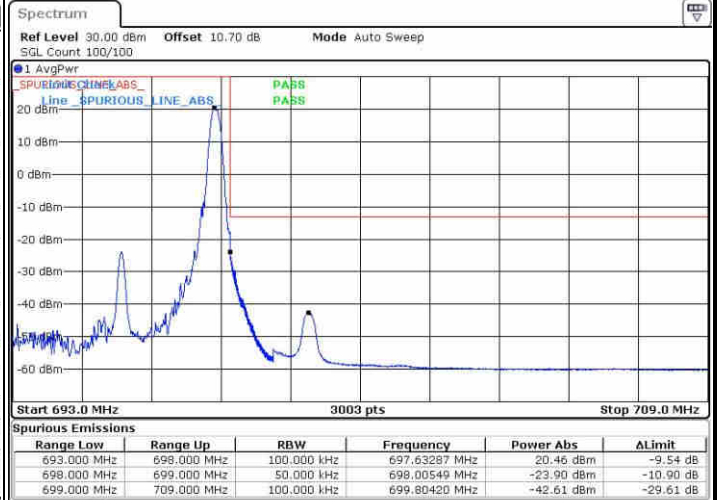


## LTE Band 71 / 5MHz / 16QAM

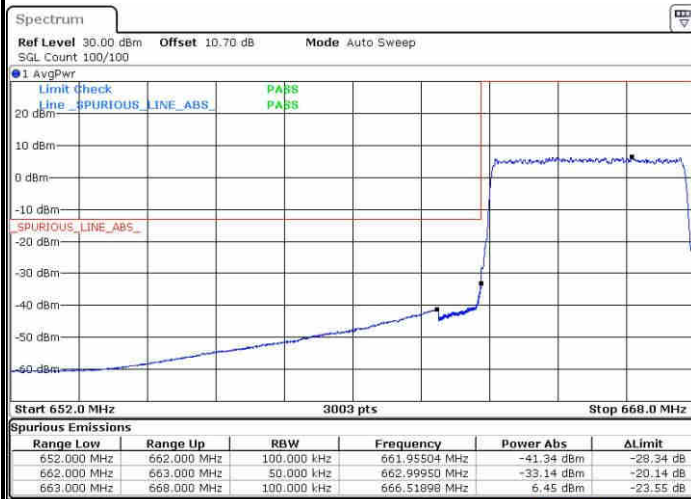
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



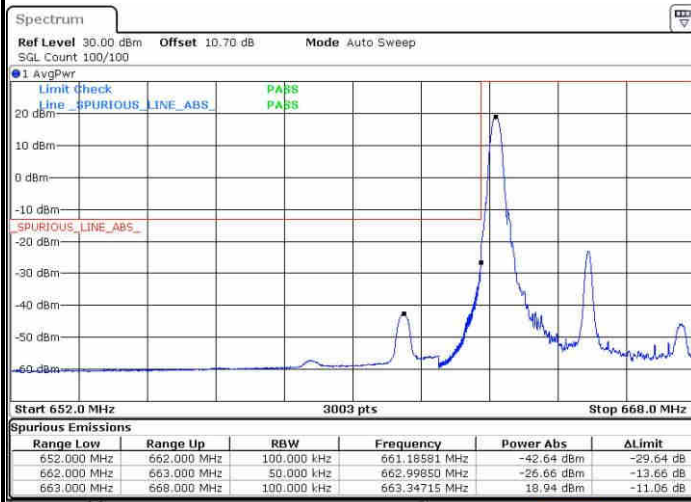
## Highest Band Edge / Full RB



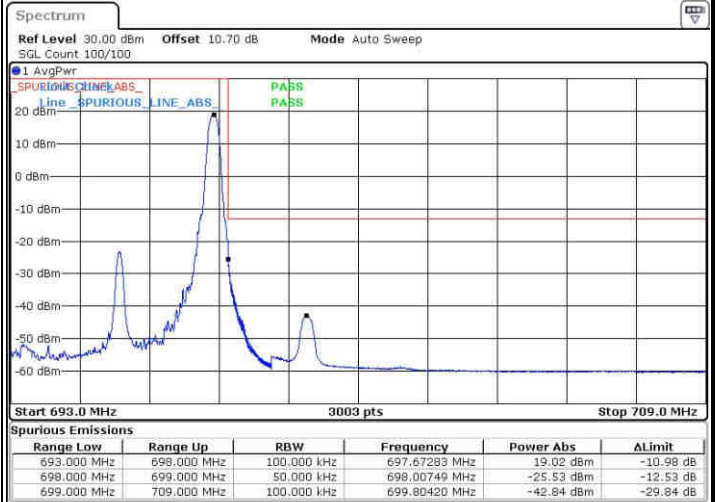


## LTE Band 71 / 5MHz / 64QAM

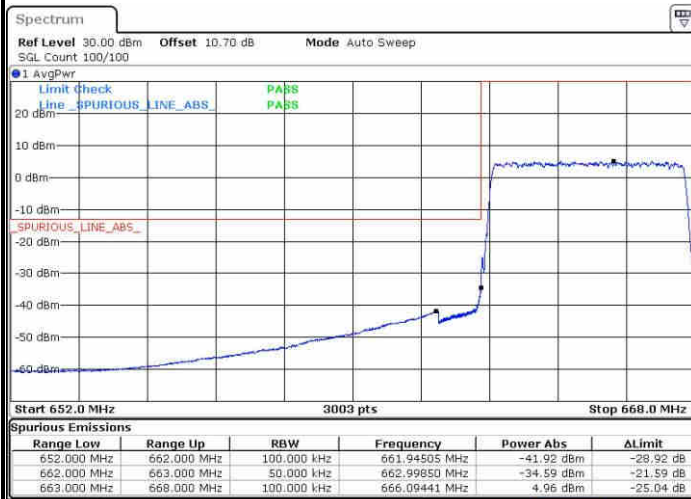
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



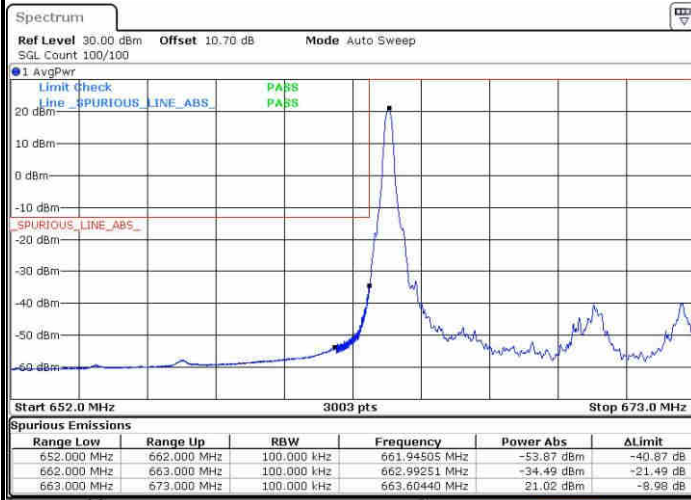
## Highest Band Edge / Full RB



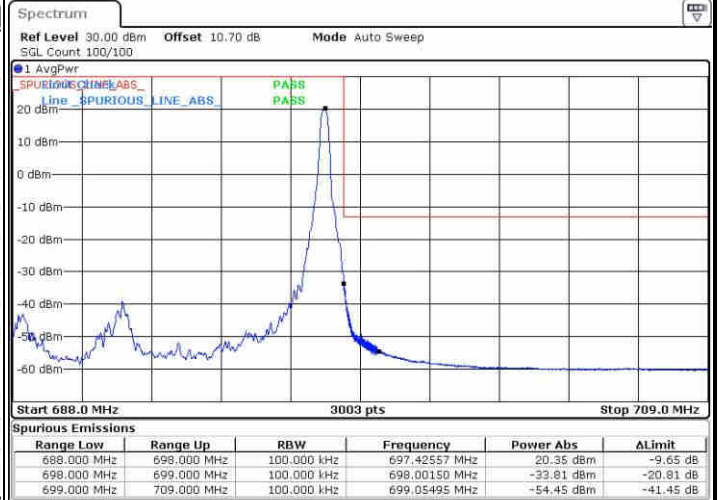


## LTE Band 71 / 10MHz / QPSK

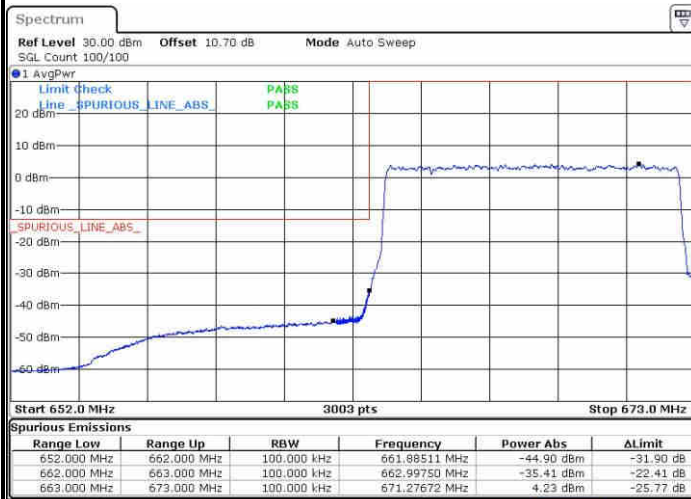
## Lowest Band Edge / 1 RB



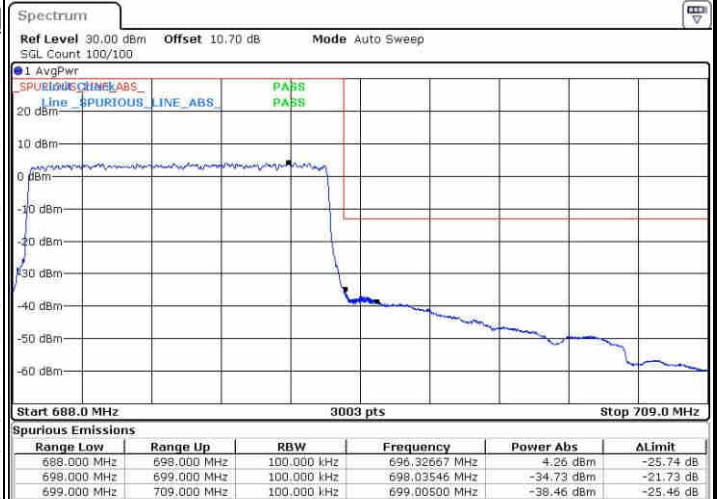
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



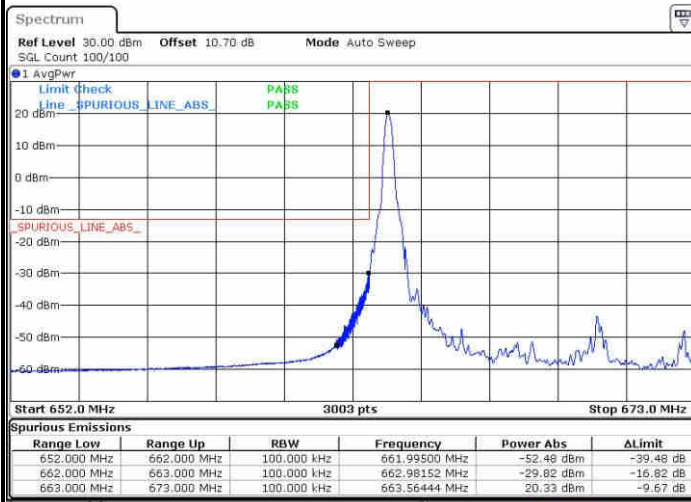
## Highest Band Edge / Full RB



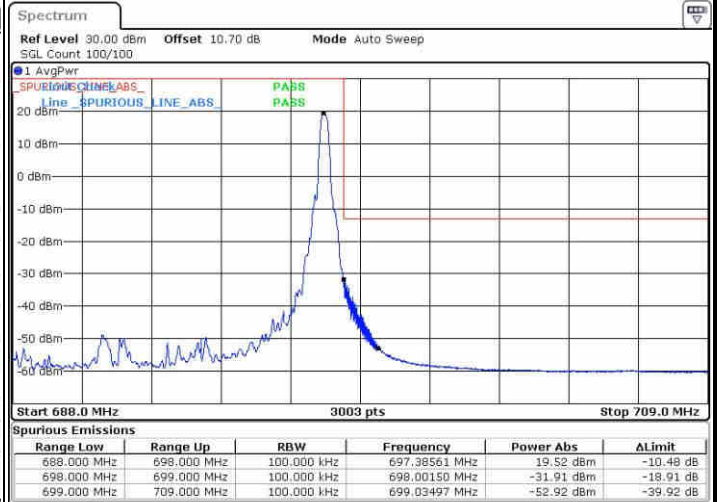


## LTE Band 71 / 10MHz / 16QAM

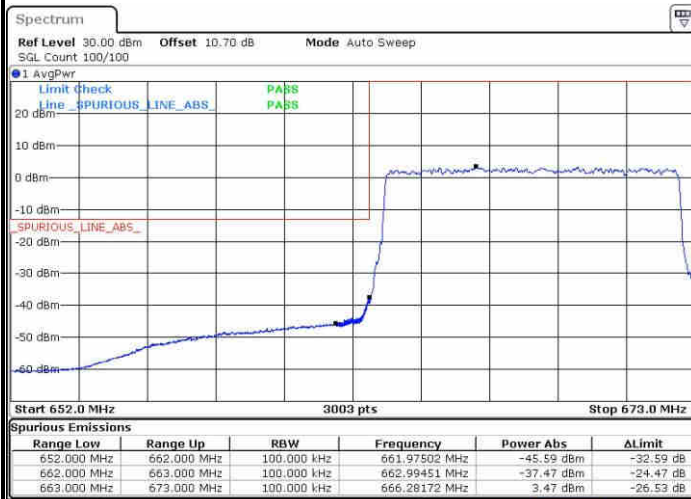
## Lowest Band Edge / 1 RB



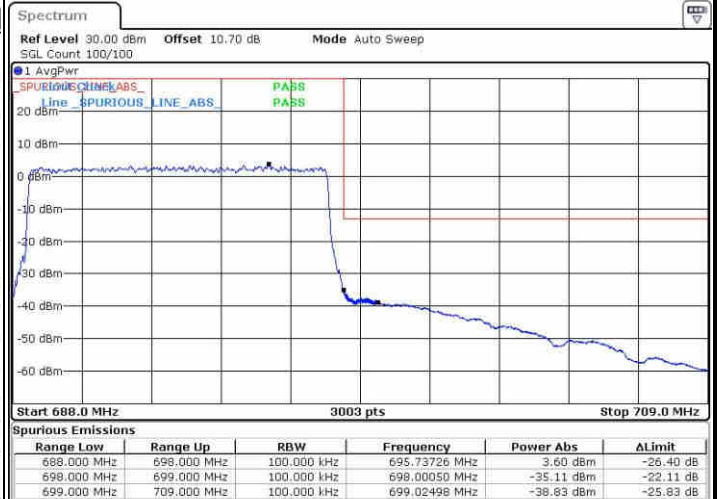
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



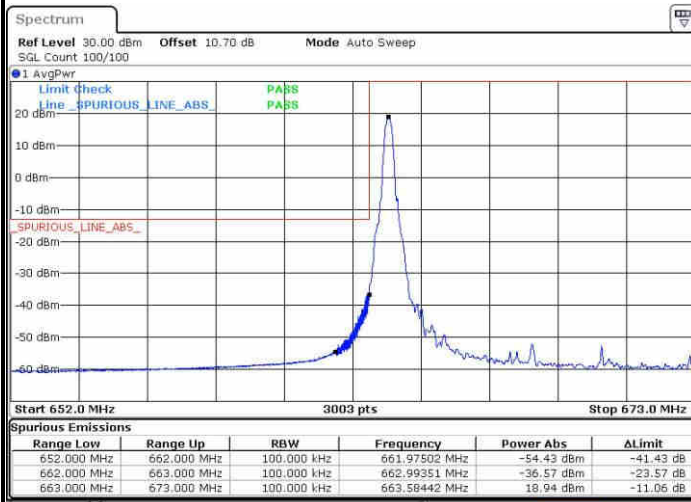
## Highest Band Edge / Full RB



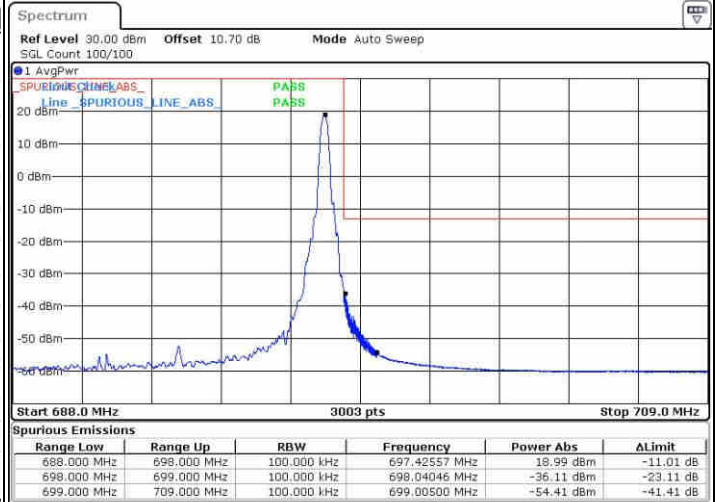


## LTE Band 71 / 10MHz / 64QAM

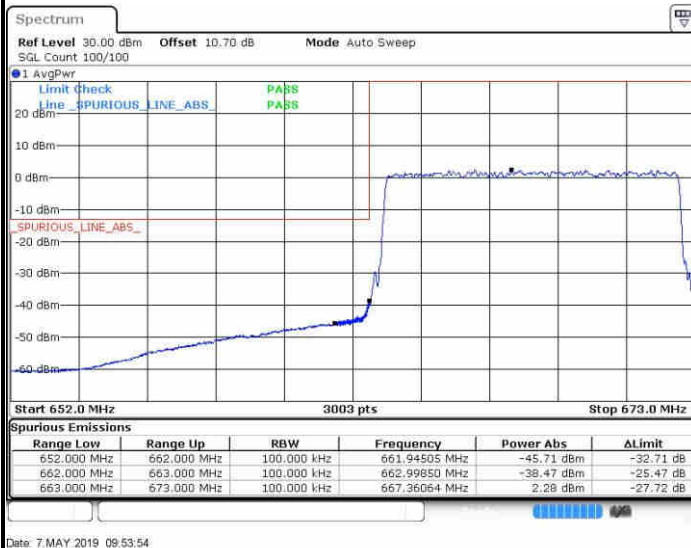
## Lowest Band Edge / 1 RB



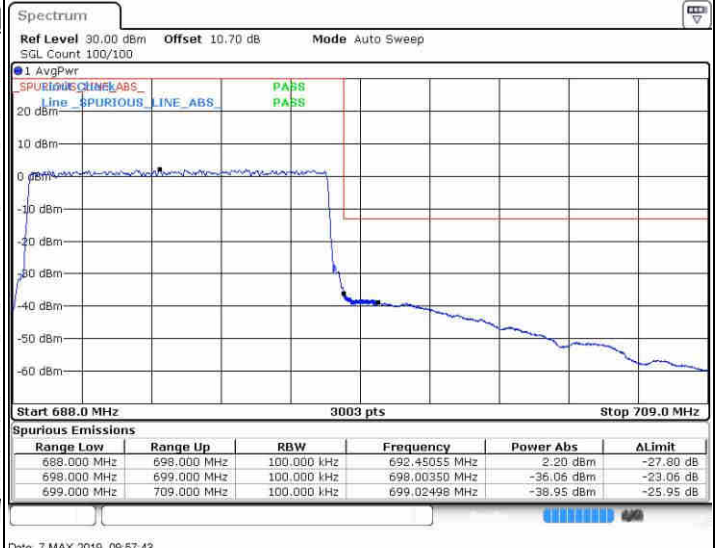
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



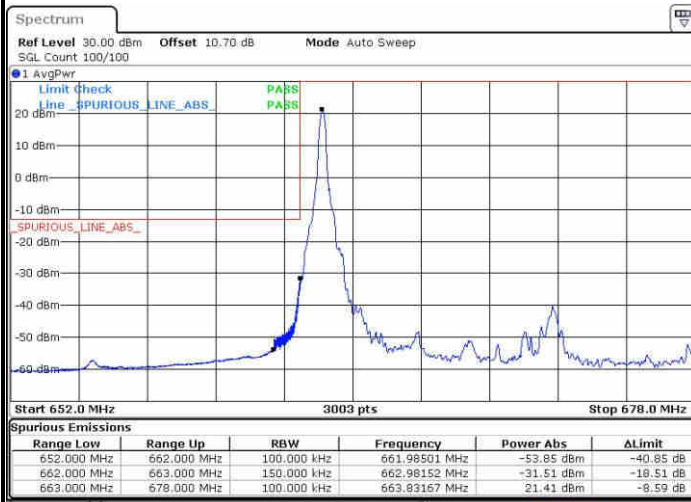
## Highest Band Edge / Full RB



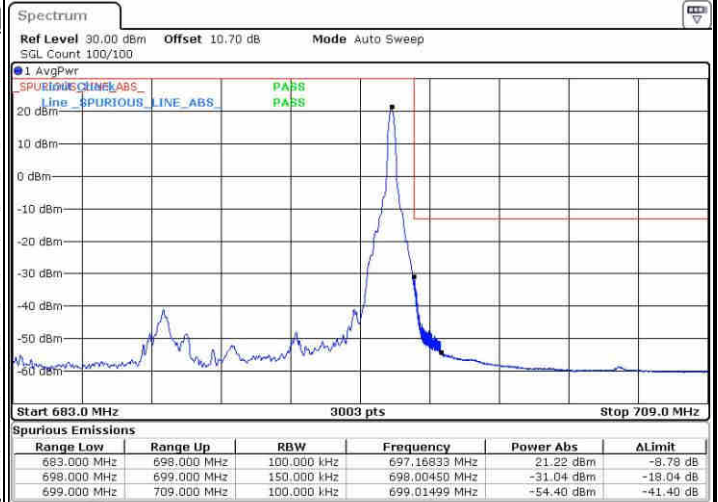


## LTE Band 71 / 15MHz / QPSK

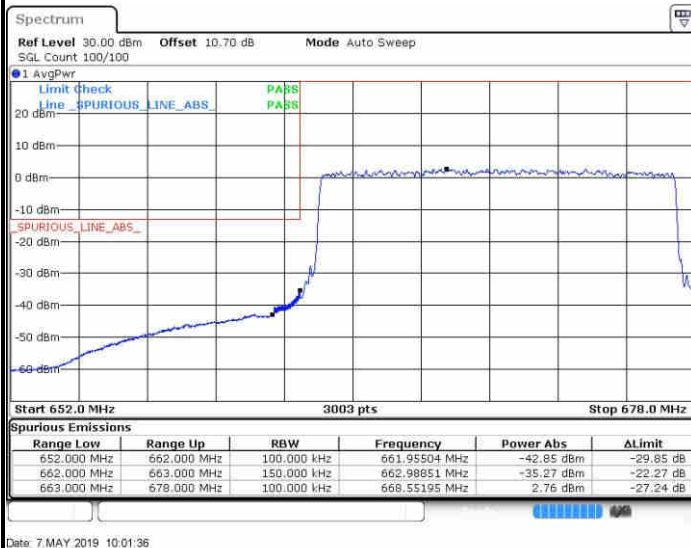
## Lowest Band Edge / 1 RB



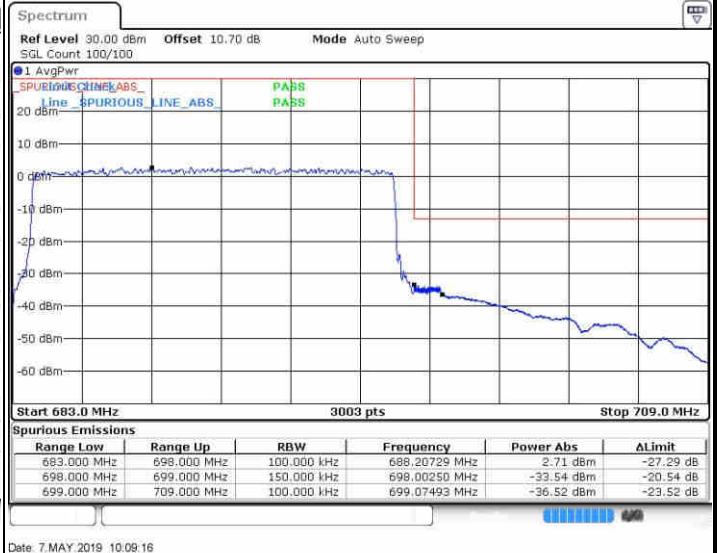
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



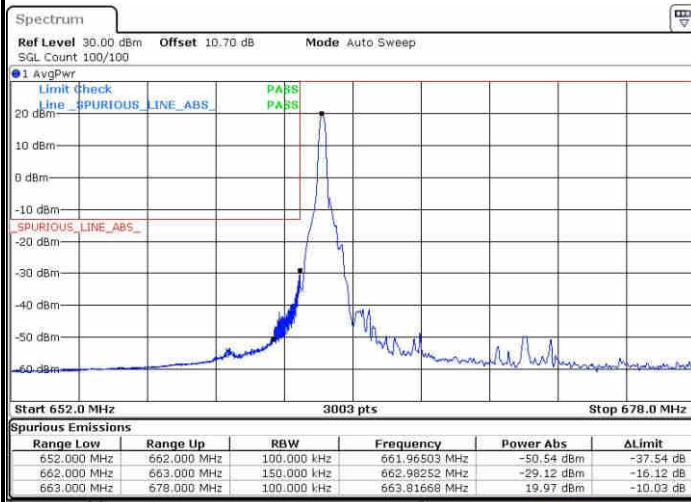
## Highest Band Edge / Full RB



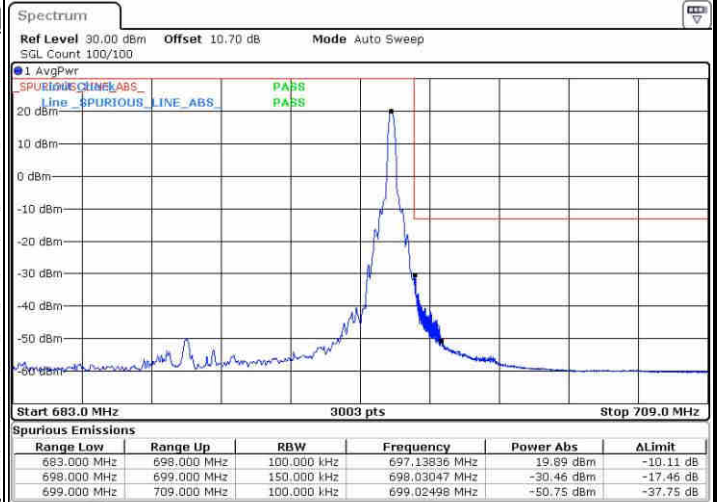


## LTE Band 71 / 15MHz / 16QAM

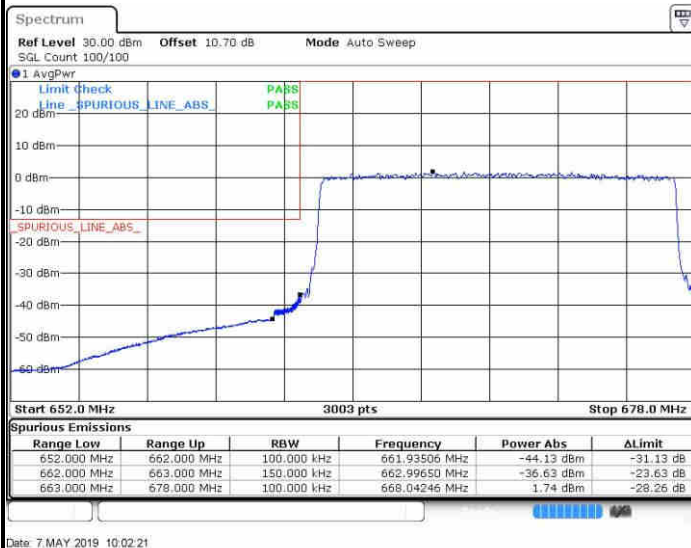
## Lowest Band Edge / 1 RB



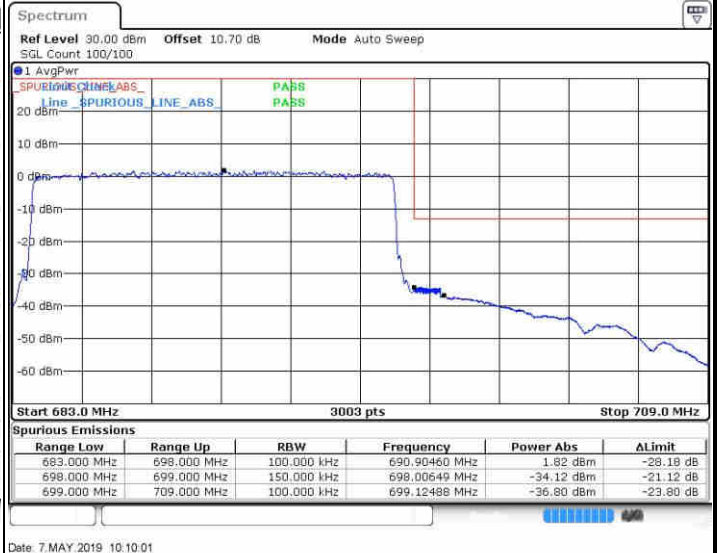
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



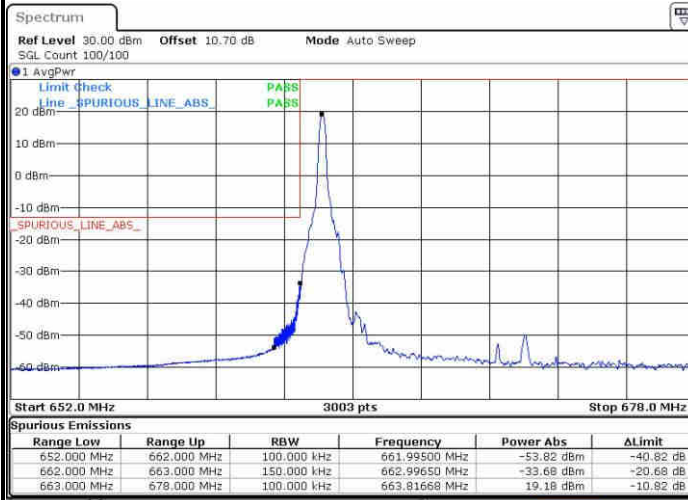
## Highest Band Edge / Full RB



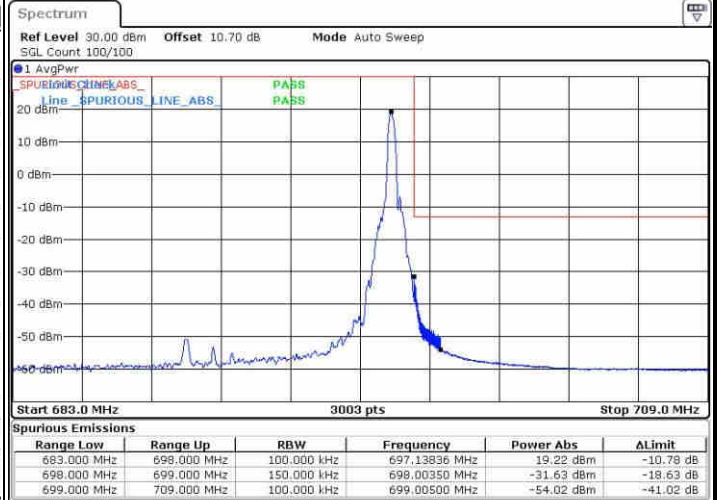


## LTE Band 71 / 15MHz / 64QAM

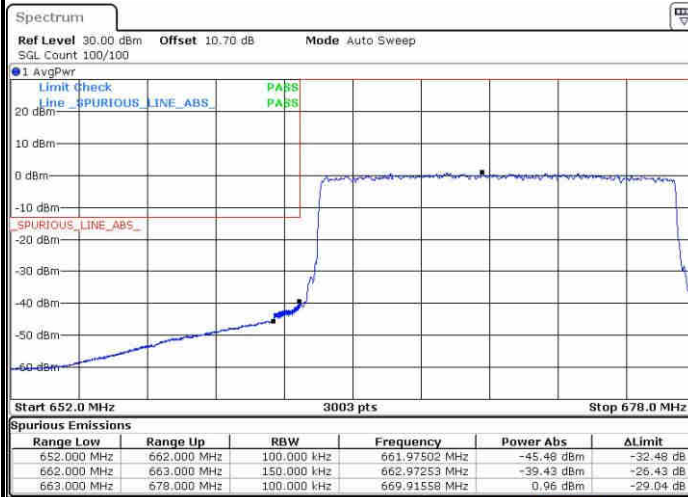
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



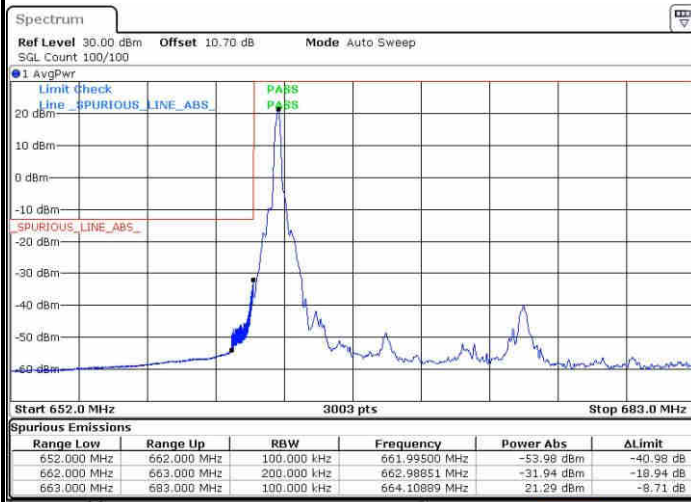
## Highest Band Edge / Full RB



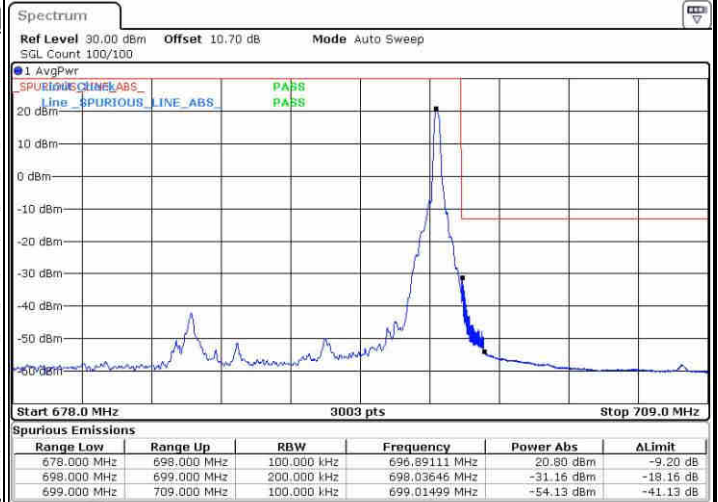


## LTE Band 71 / 20MHz / QPSK

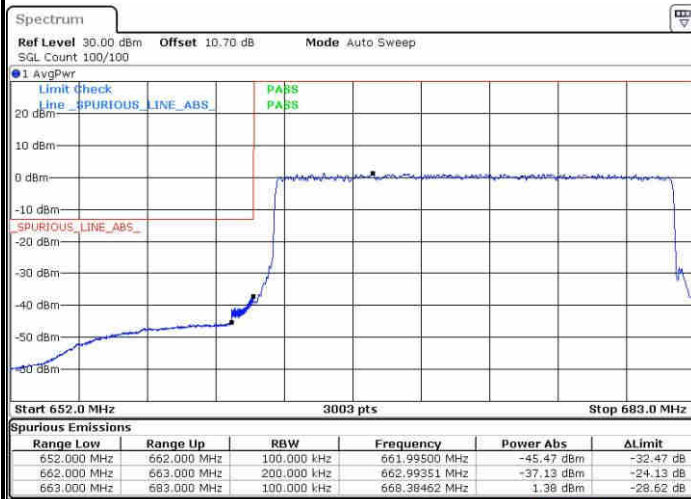
## Lowest Band Edge / 1 RB



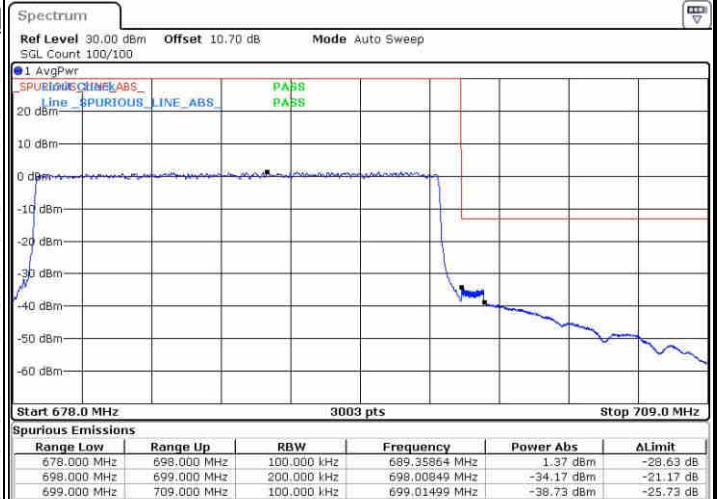
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



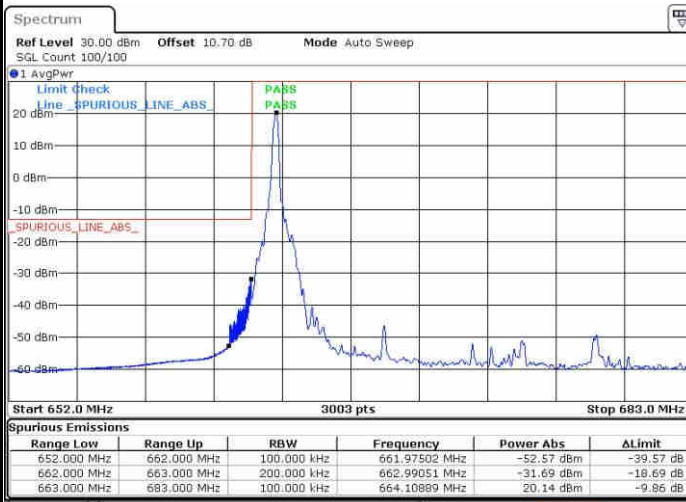
## Highest Band Edge / Full RB



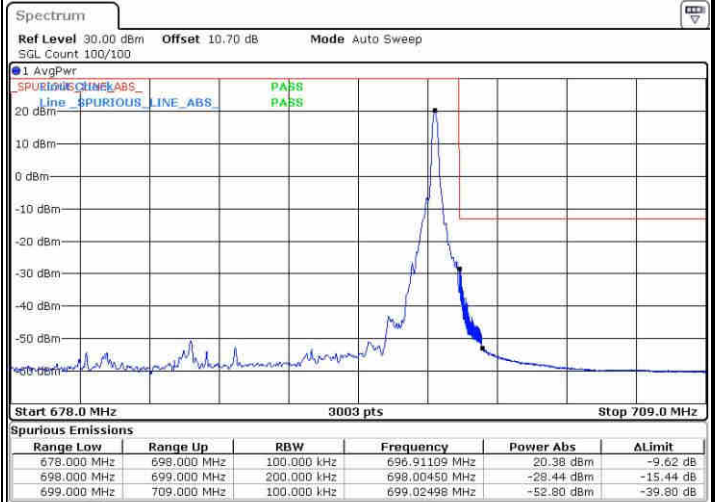


## LTE Band 71 / 20MHz / 16QAM

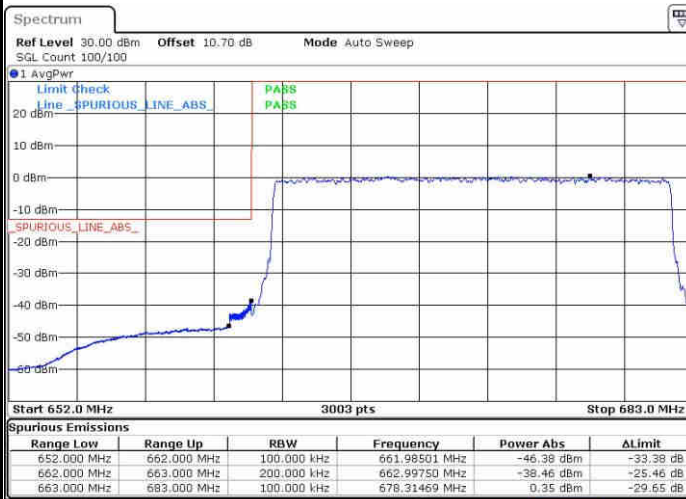
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



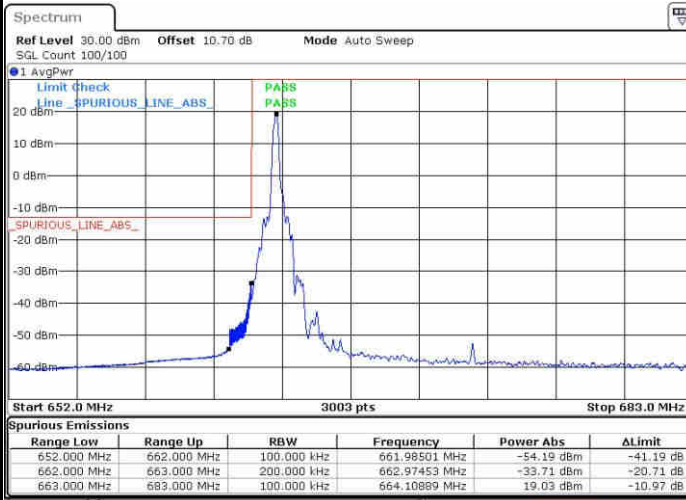
## Highest Band Edge / Full RB



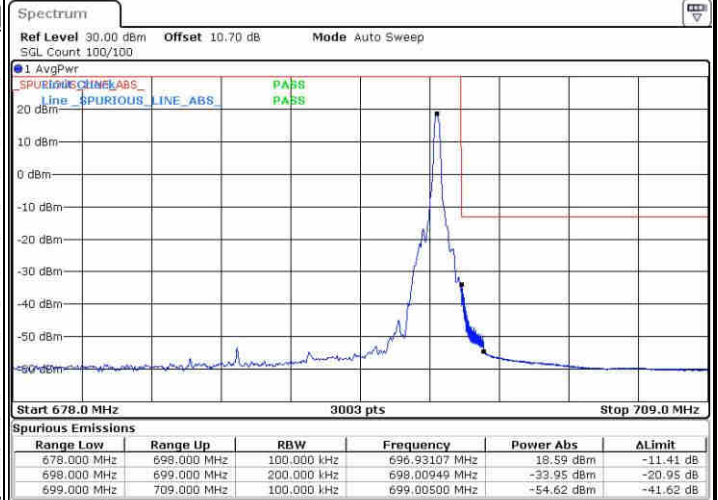


## LTE Band 71 / 20MHz / 64QAM

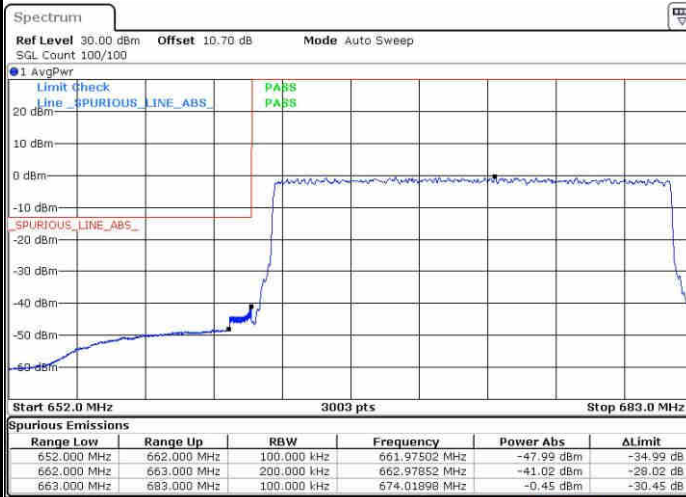
## Lowest Band Edge / 1 RB



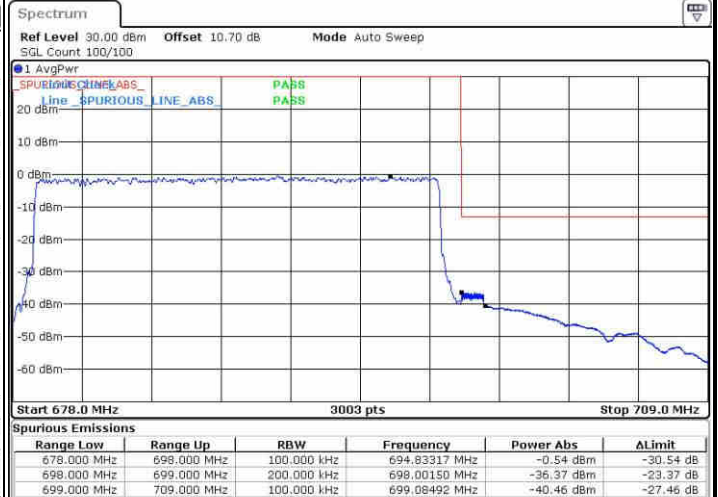
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

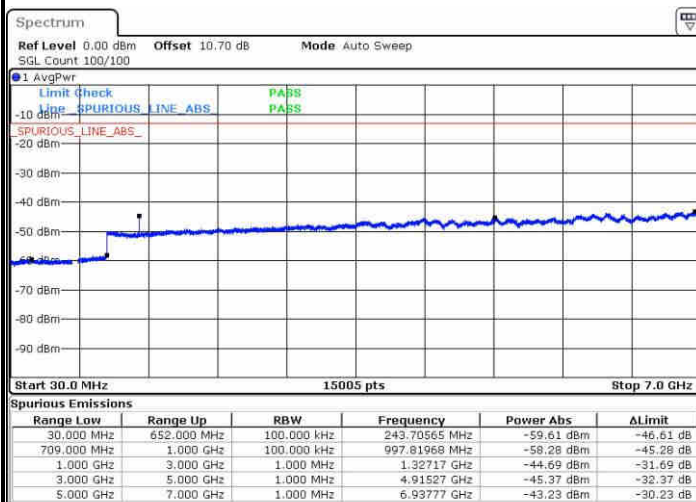




# Conducted Spurious Emission

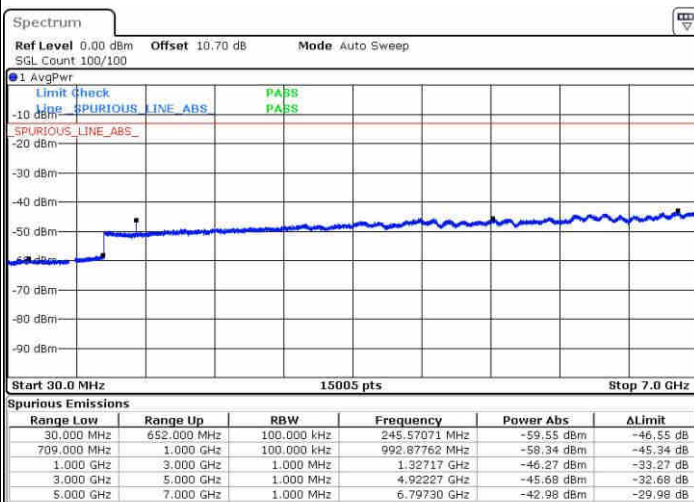
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



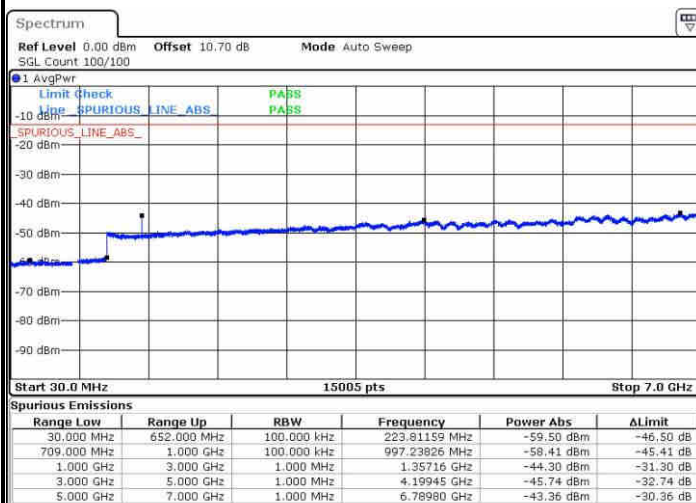
Date: 7.MAY.2019 09:23:59

### Lowest Channel / 16QAM



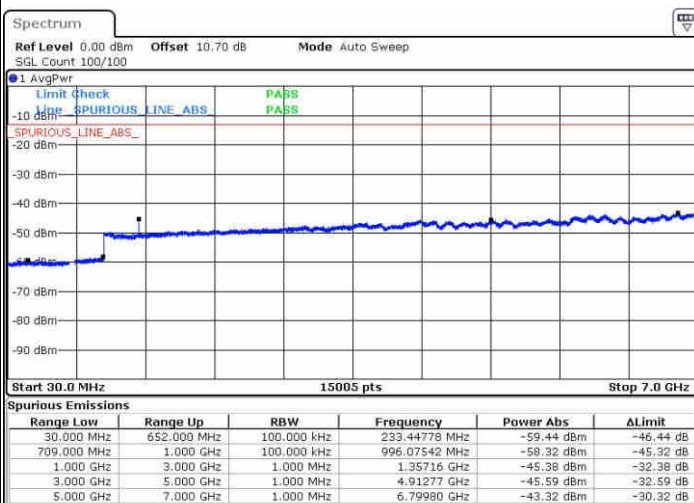
Date: 7.MAY.2019 09:24:44

### Middle Channel / QPSK



Date: 7.MAY.2019 09:26:16

### Middle Channel / 16QAM

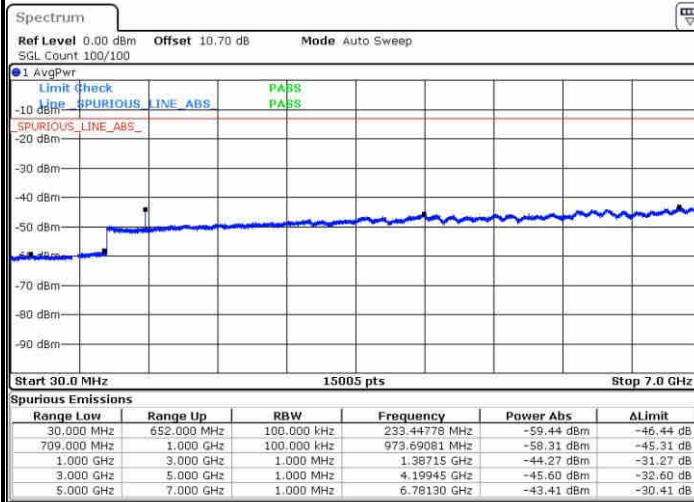


Date: 7.MAY.2019 09:27:00



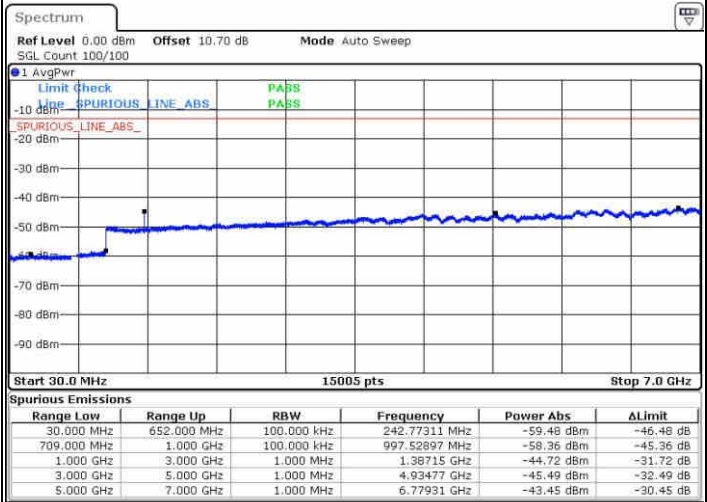
## LTE Band 71 / 5MHz

## Highest Channel / QPSK



Date: 7.MAY.2019 09:31:38

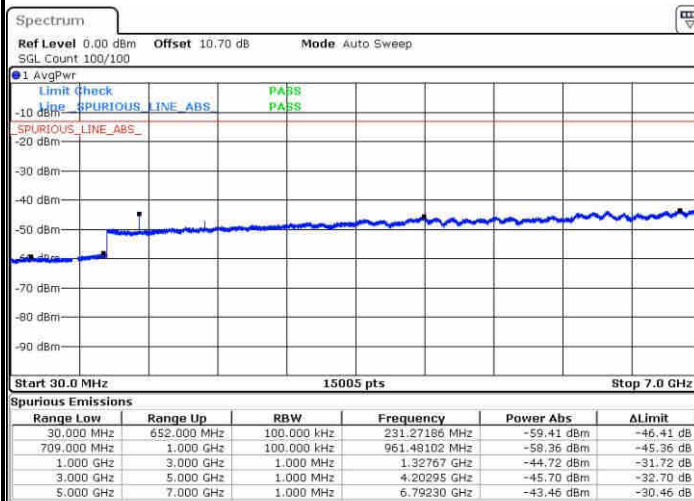
## Highest Channel / 16QAM



Date: 7.MAY.2019 09:32:23

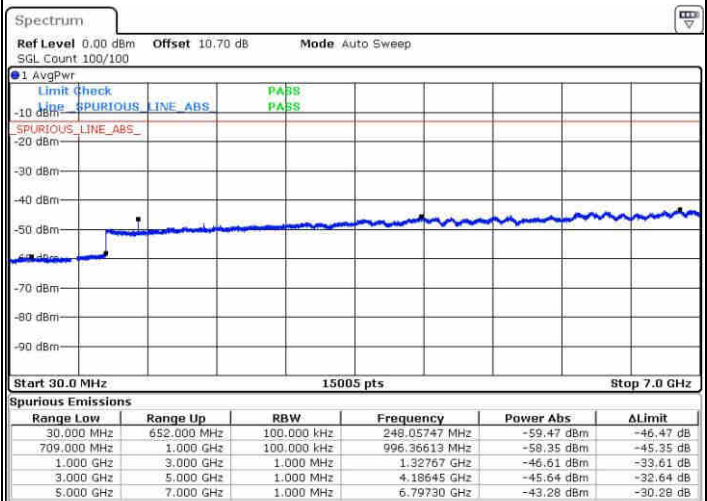
## LTE Band 71 / 10MHz

## Lowest Channel / QPSK



Date: 7.MAY.2019 09:43:33

## Lowest Channel / 16QAM

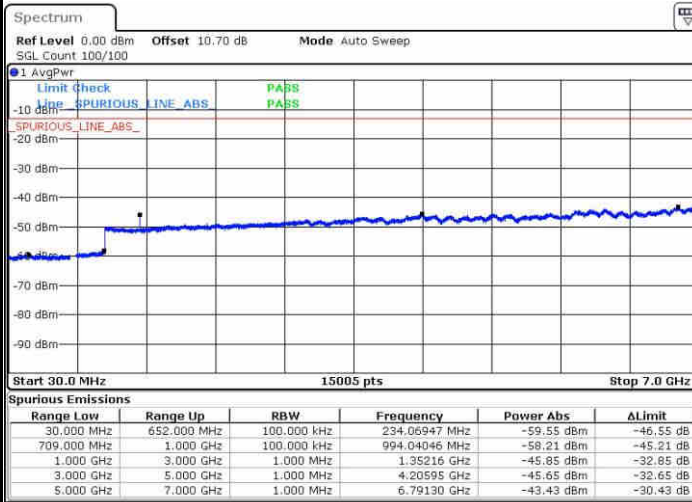


Date: 7.MAY.2019 09:44:18



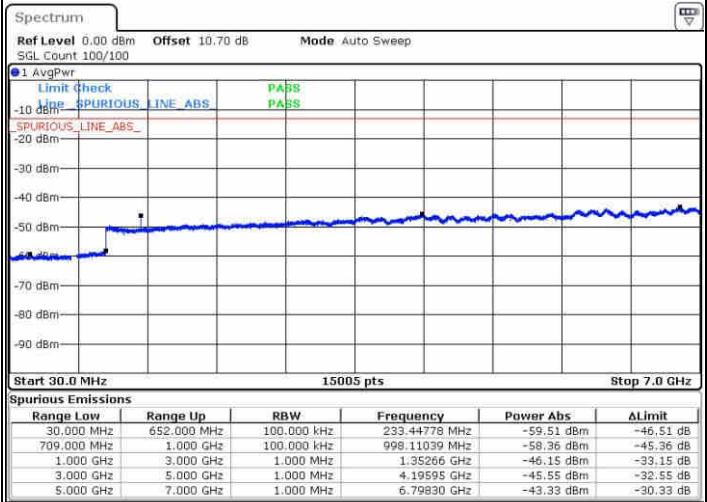
## LTE Band 71 / 10MHz

## Middle Channel / QPSK



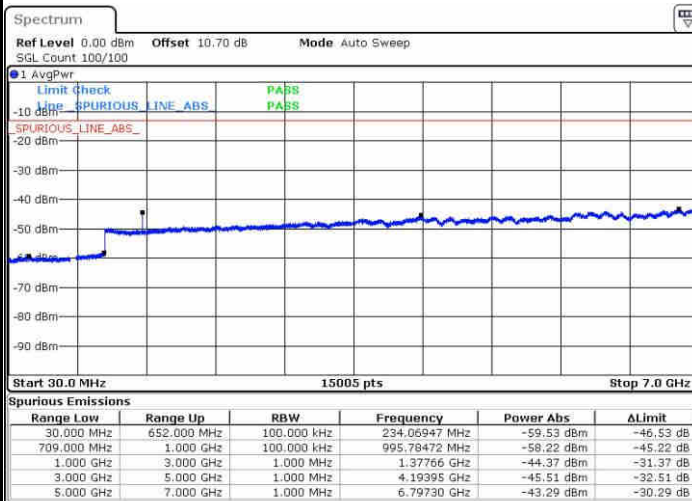
Date: 7.MAY.2019 09:45:50

## Middle Channel / 16QAM



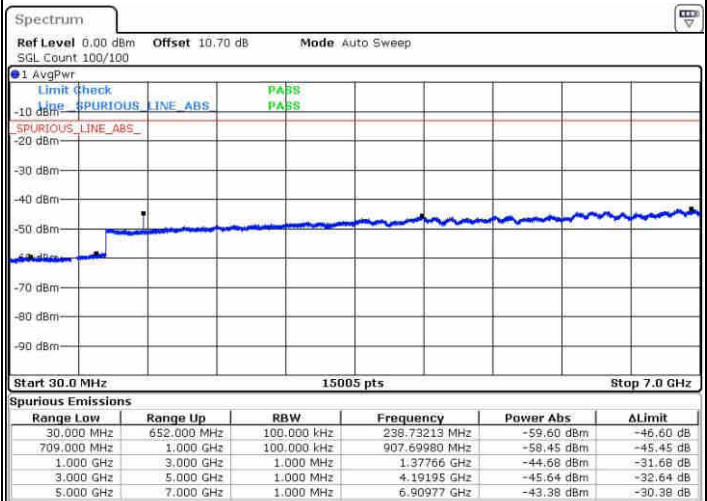
Date: 7.MAY.2019 09:46:34

## Highest Channel / QPSK



Date: 7.MAY.2019 09:51:12

## Highest Channel / 16QAM

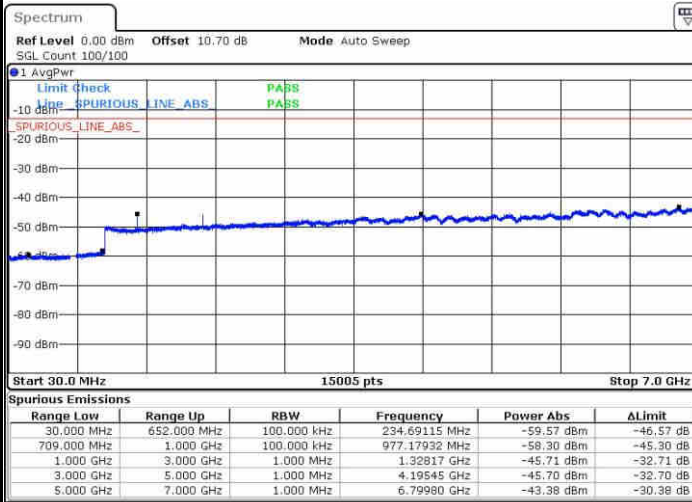


Date: 7.MAY.2019 09:51:57



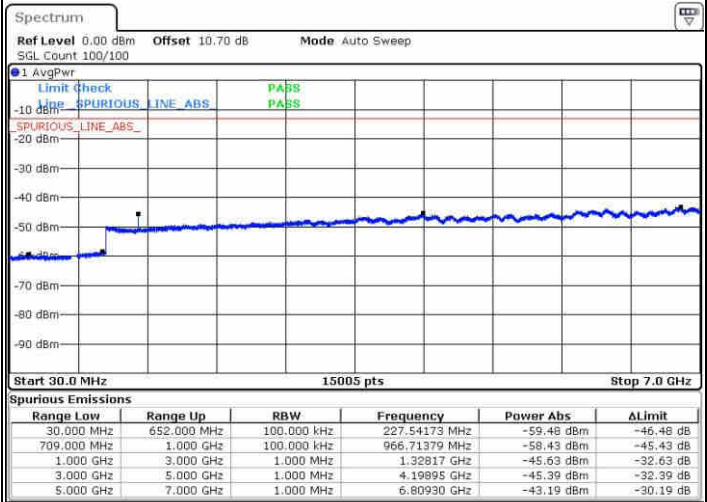
## LTE Band 71 / 15MHz

## Lowest Channel / QPSK



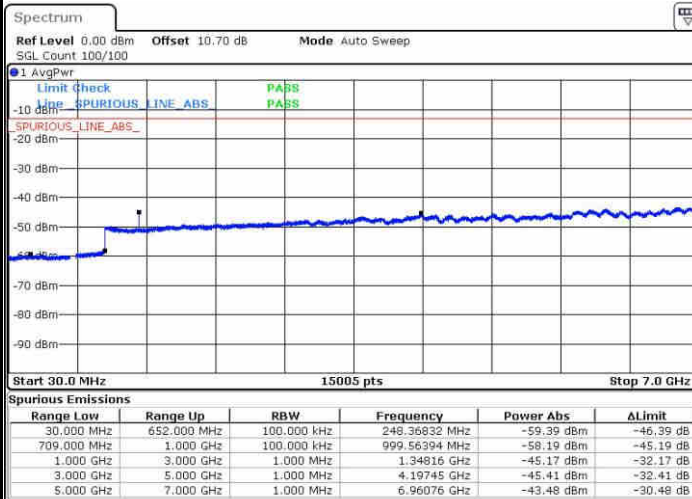
Date: 7.MAY.2019 10:03:06

## Lowest Channel / 16QAM



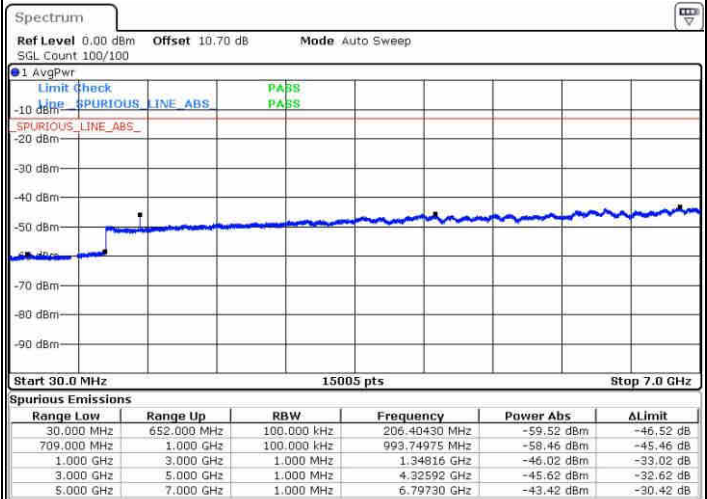
Date: 7.MAY.2019 10:03:51

## Middle Channel / QPSK



Date: 7.MAY.2019 10:05:23

## Middle Channel / 16QAM

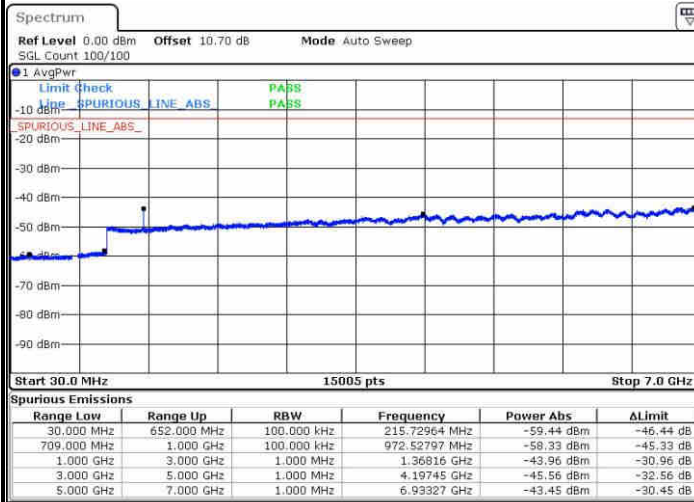


Date: 7.MAY.2019 10:06:08



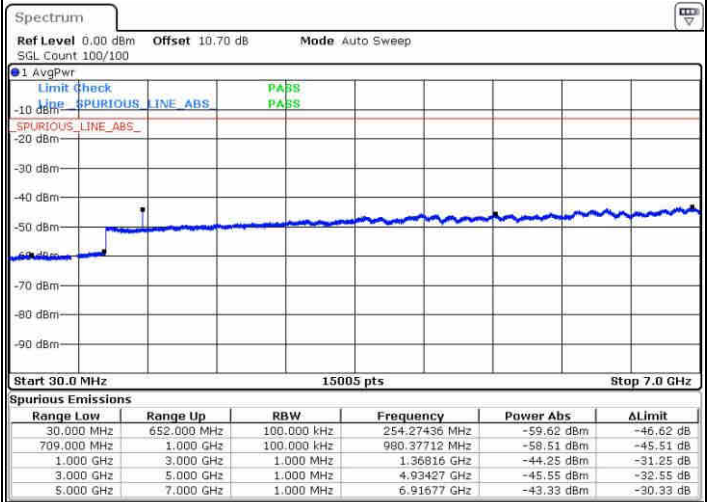
## LTE Band71 / 15MHz

## Highest Channel / QPSK



Date: 7.MAY.2019 10:10:46

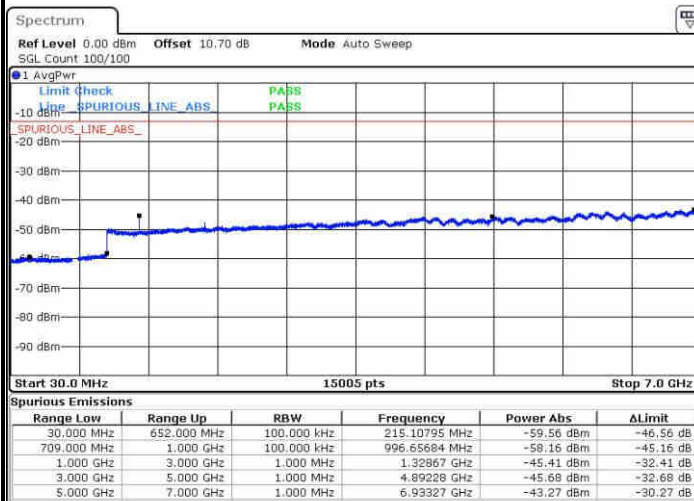
## Highest Channel / 16QAM



Date: 7.MAY.2019 10:11:31

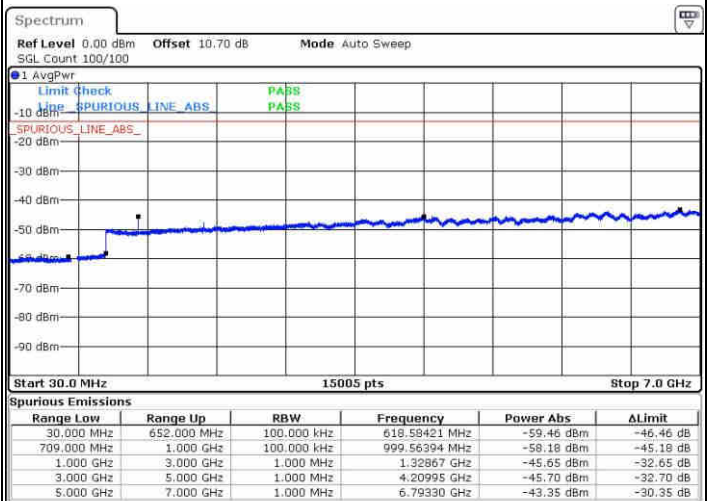
## LTE Band 71 / 20MHz

## Lowest Channel / QPSK



Date: 7.MAY.2019 10:22:42

## Lowest Channel / 16QAM



Date: 7.MAY.2019 10:23:27