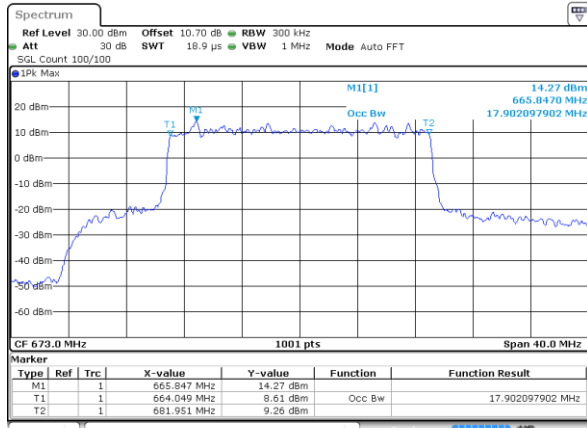




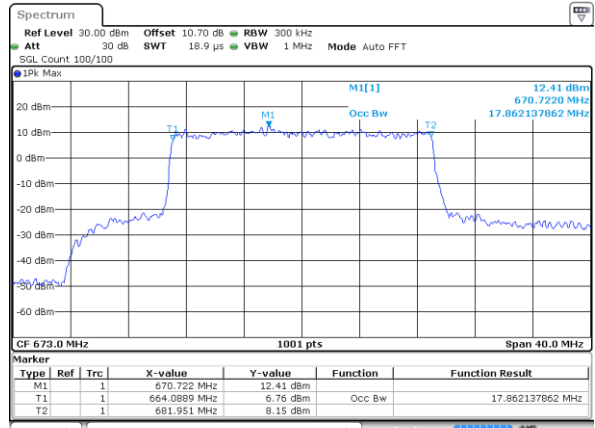
## LTE Band 71

## Lowest Channel / 20MHz / QPSK



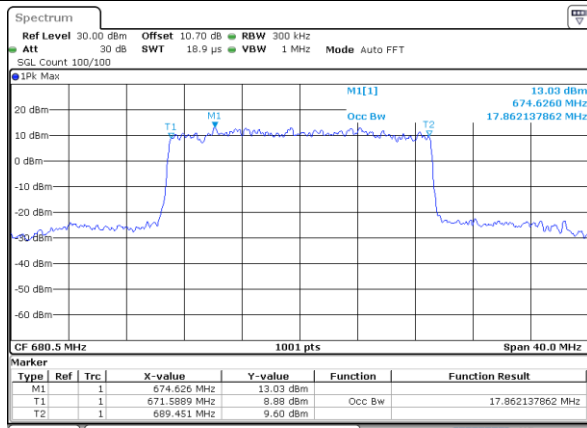
Date: 23 JAN 2020 18:45:03

## Lowest Channel / 20MHz / 16QAM



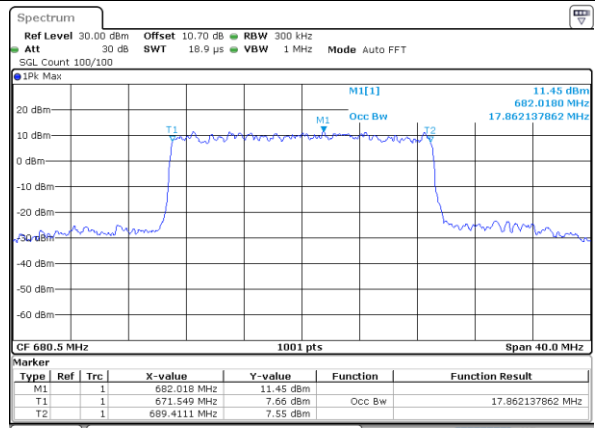
Date: 23 JAN 2020 18:45:15

## Middle Channel / 20MHz / QPSK



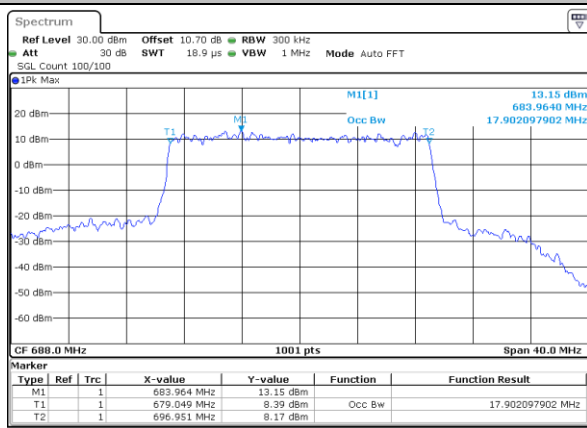
Date: 23 JAN 2020 18:49:54

## Middle Channel / 20MHz / 16QAM



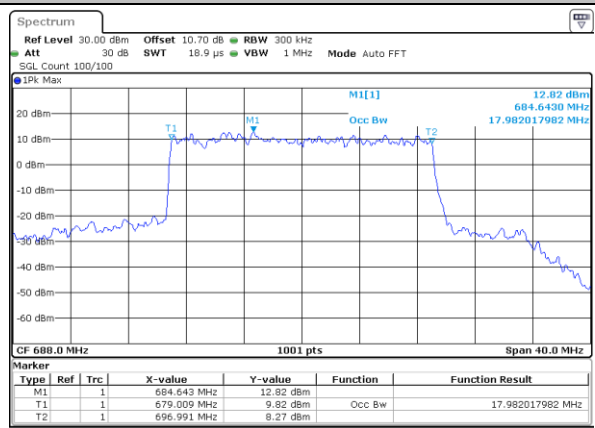
Date: 23 JAN 2020 18:50:06

## Highest Channel / 20MHz / QPSK



Date: 23 JAN 2020 18:51:59

## Highest Channel / 20MHz / 16QAM

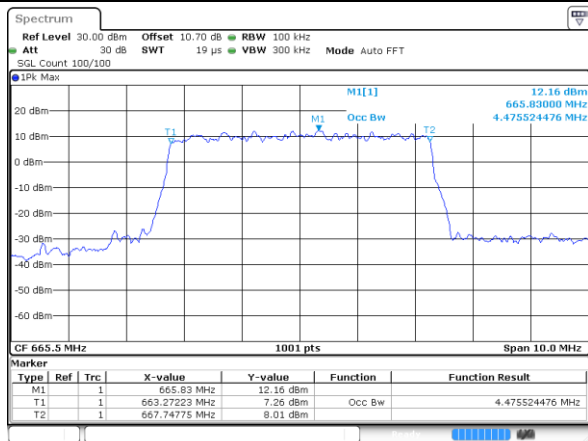


Date: 23 JAN 2020 18:52:12

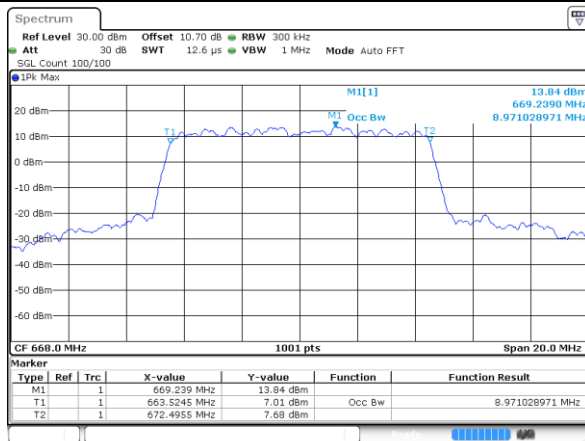


## LTE Band 71

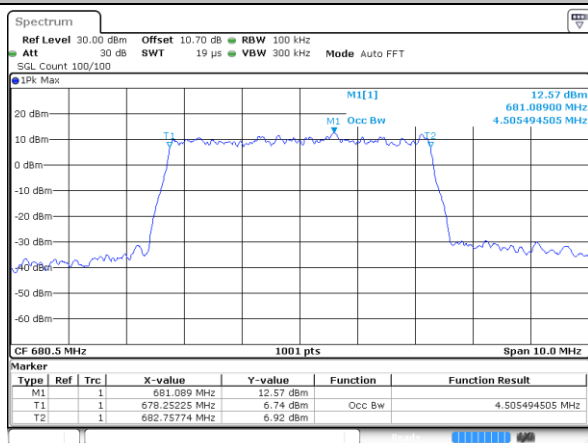
## Lowest Channel / 5MHz / 64QAM



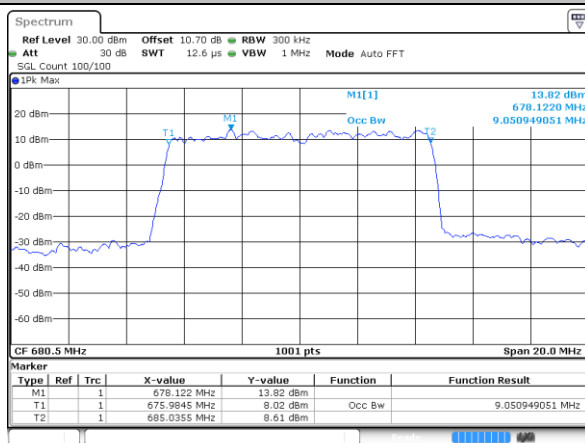
## Lowest Channel / 10MHz / 64QAM



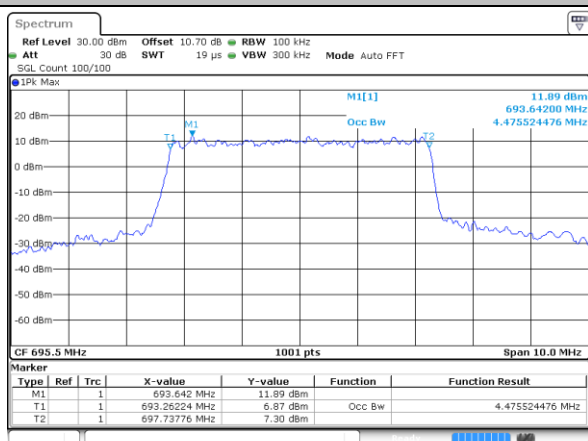
## Middle Channel / 5MHz / 64QAM



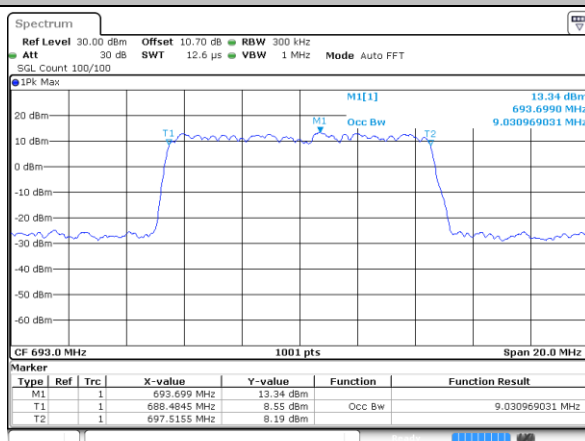
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



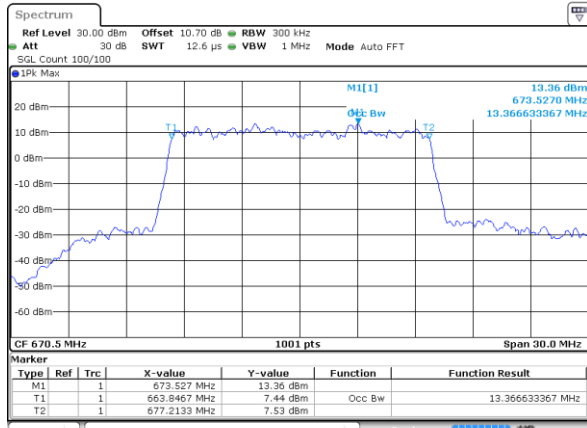
## Highest Channel / 10MHz / 64QAM





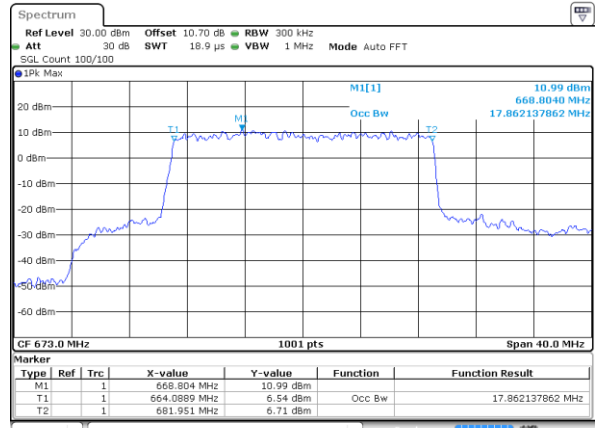
## LTE Band 71

## Lowest Channel / 15MHz / 64QAM



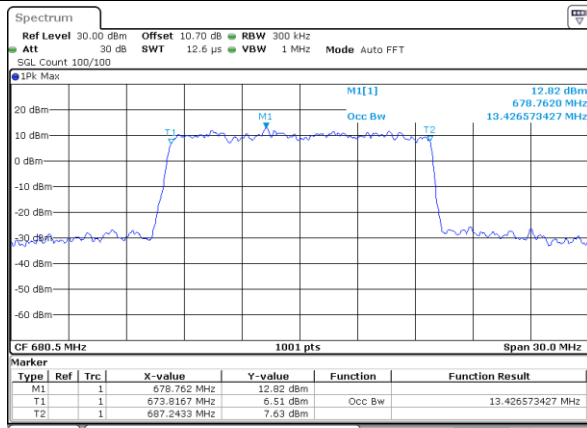
Date: 23 JAN 2020 18:39:11

## Lowest Channel / 20MHz / 64QAM



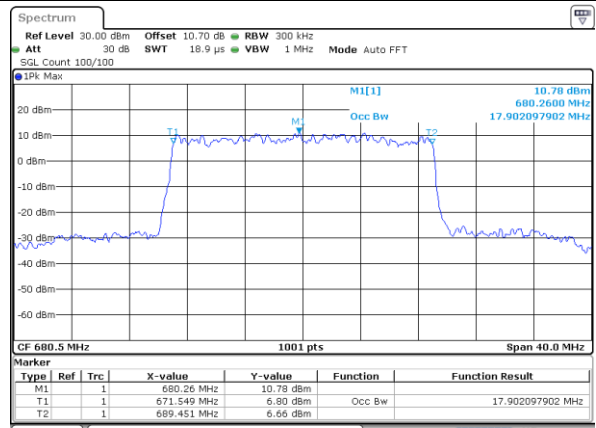
Date: 23 JAN 2020 18:56:50

## Middle Channel / 15MHz / 64QAM



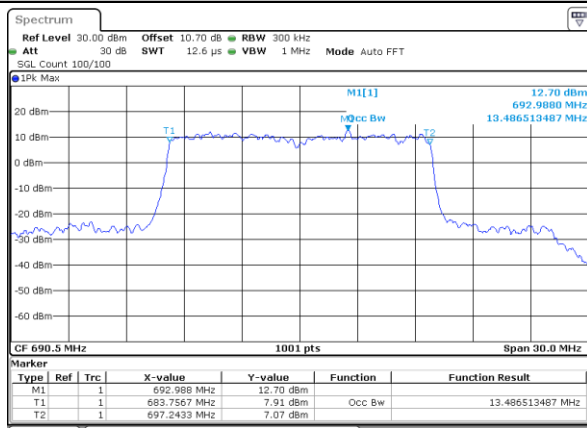
Date: 23 JAN 2020 18:41:35

## Middle Channel / 20MHz / 64QAM



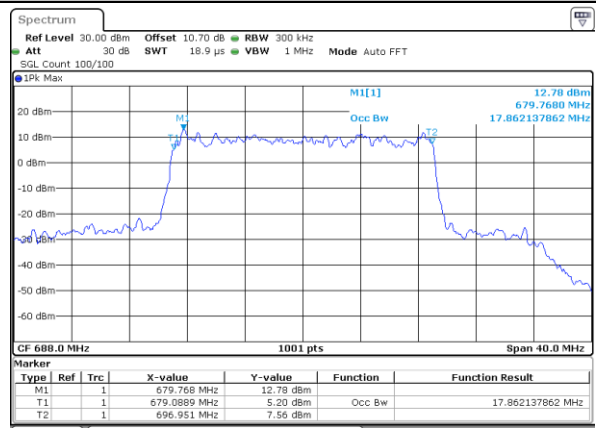
Date: 23 JAN 2020 18:59:15

## Highest Channel / 15MHz / 64QAM

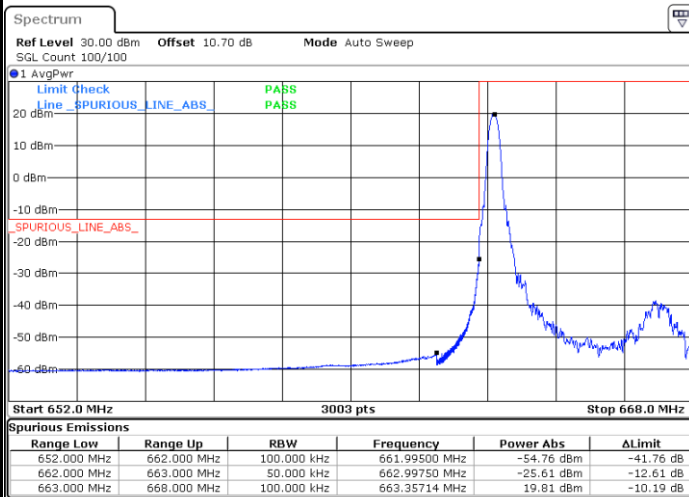
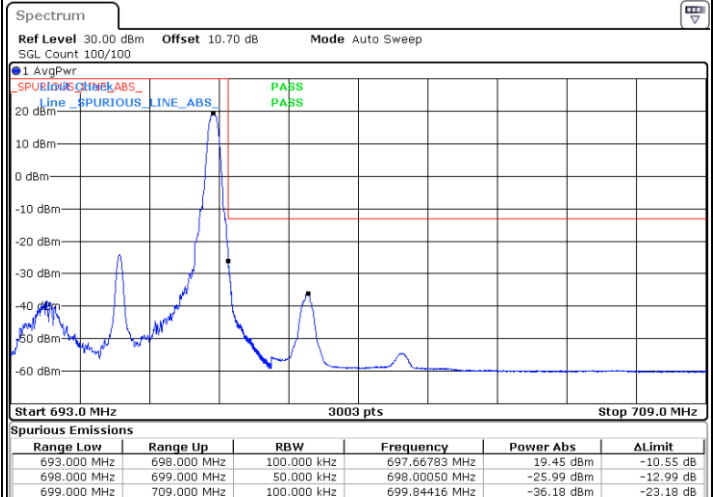
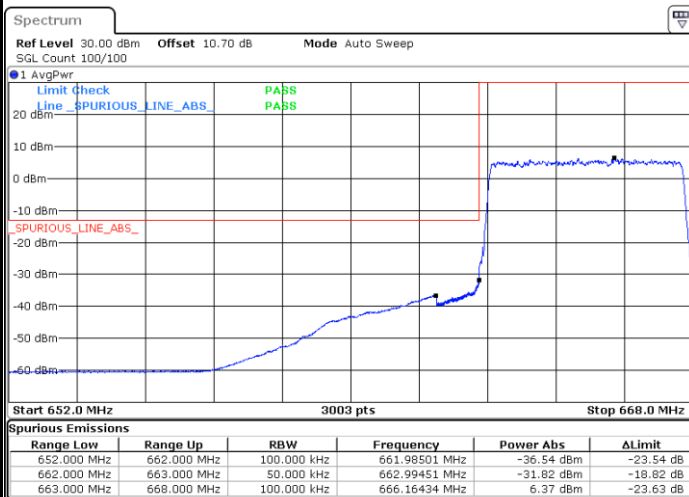
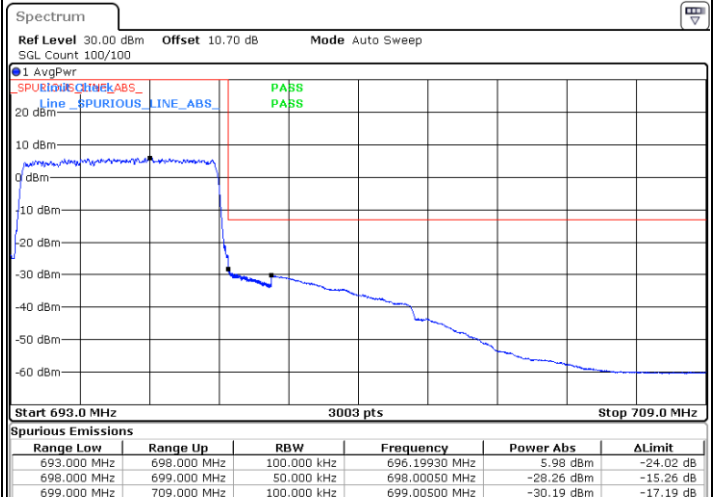


Date: 23 JAN 2020 18:42:37

## Highest Channel / 20MHz / 64QAM



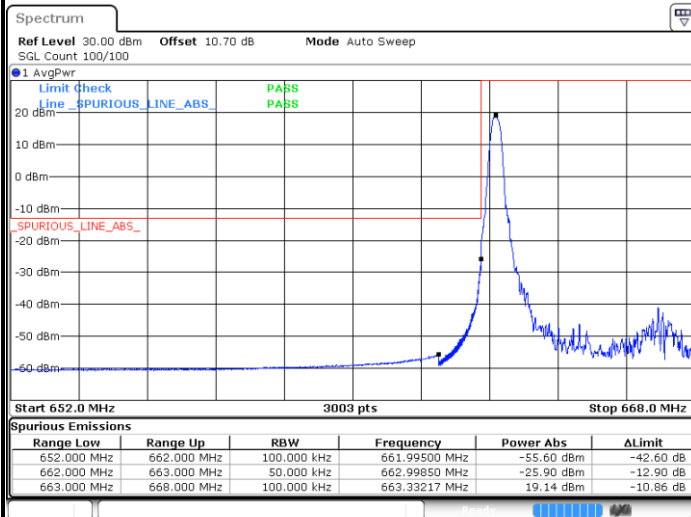
Date: 23 JAN 2020 19:00:18

**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**

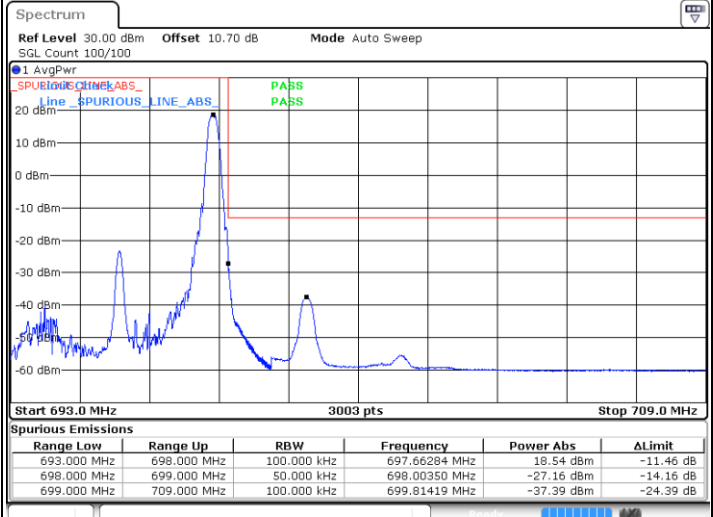


## LTE Band 71 / 5MHz / 16QAM

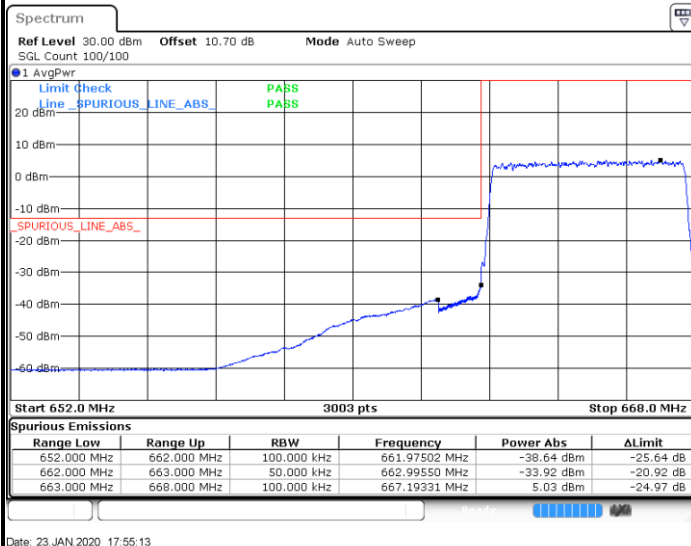
## Lowest Band Edge / 1 RB



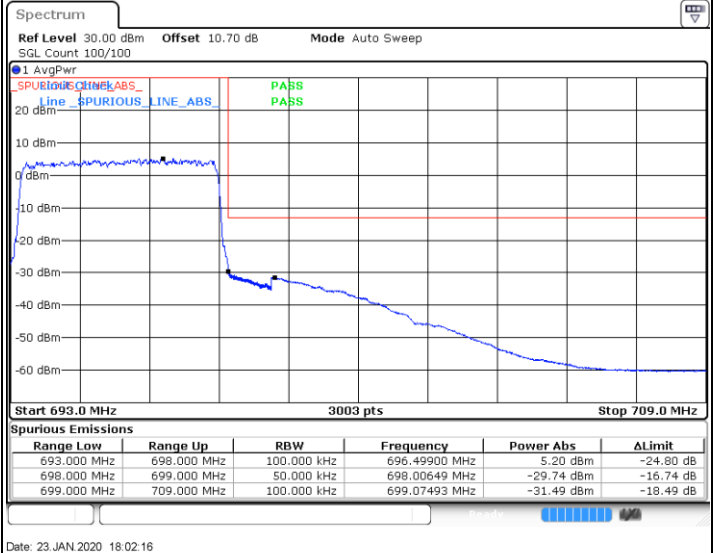
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



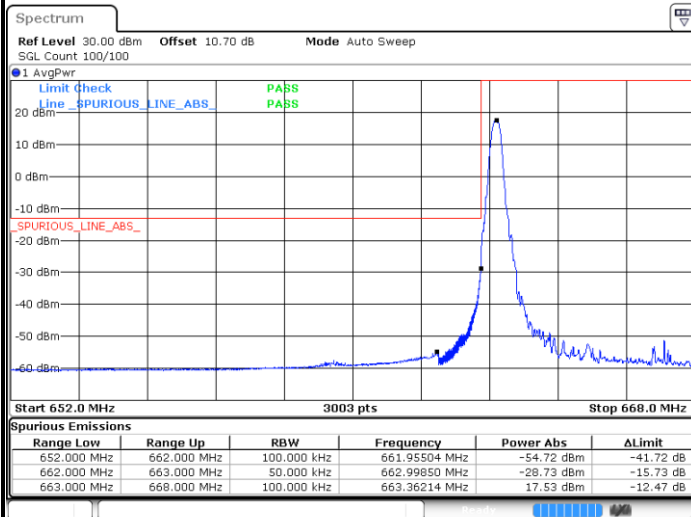
## Highest Band Edge / Full RB



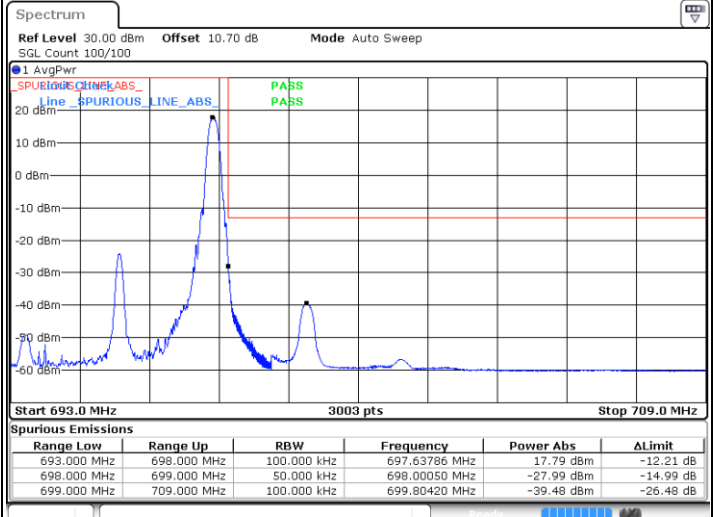


## LTE Band 71 / 5MHz / 64QAM

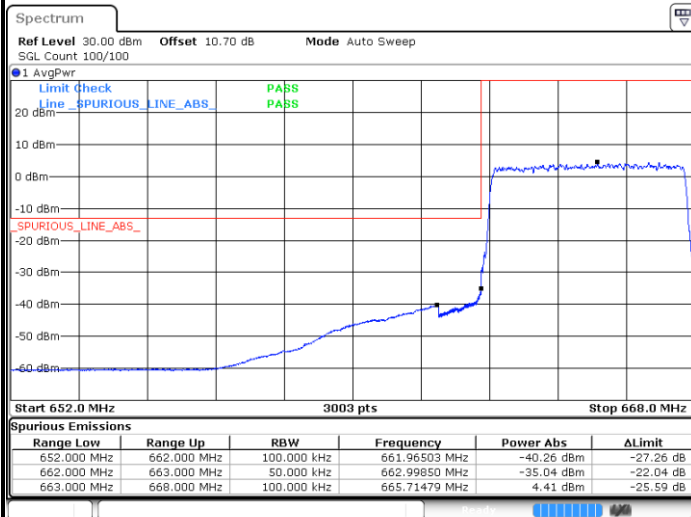
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



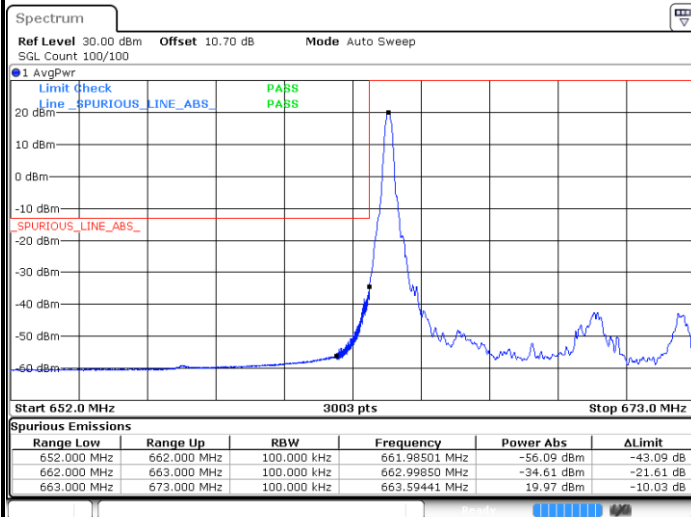
## Highest Band Edge / Full RB



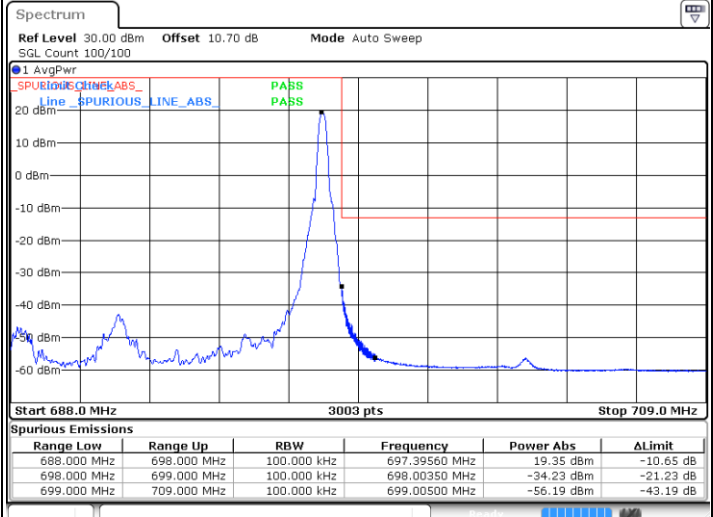


## LTE Band 71 / 10MHz / QPSK

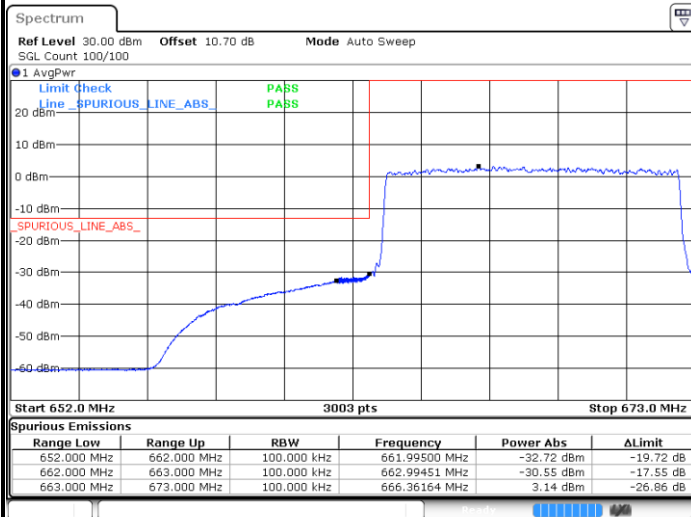
## Lowest Band Edge / 1 RB



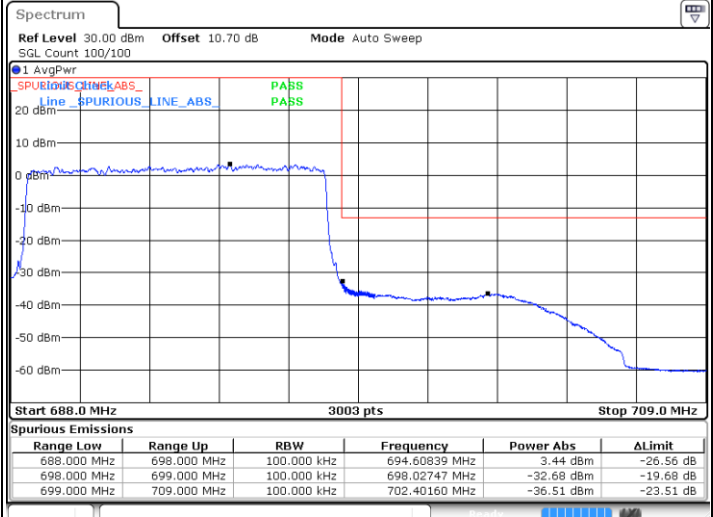
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



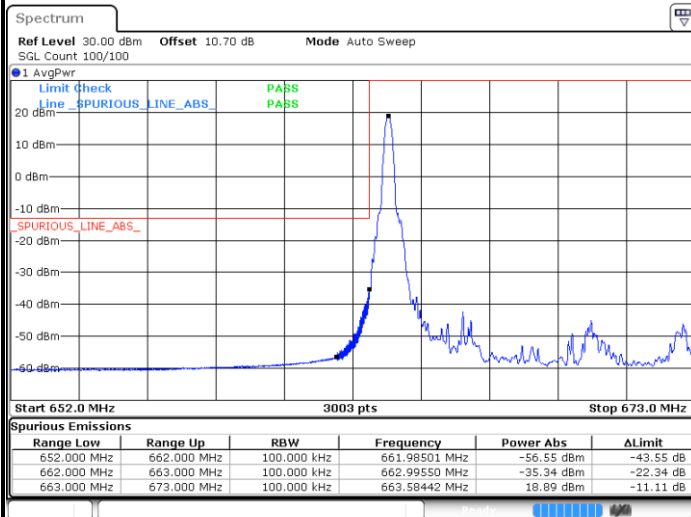
## Highest Band Edge / Full RB



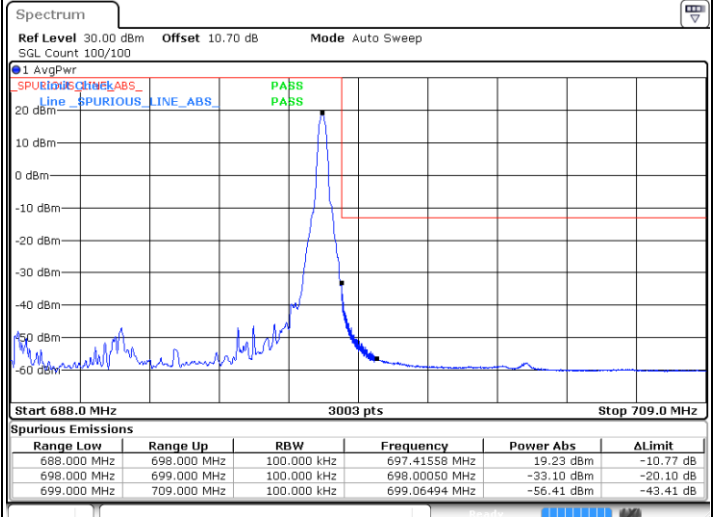


## LTE Band 71 / 10MHz / 16QAM

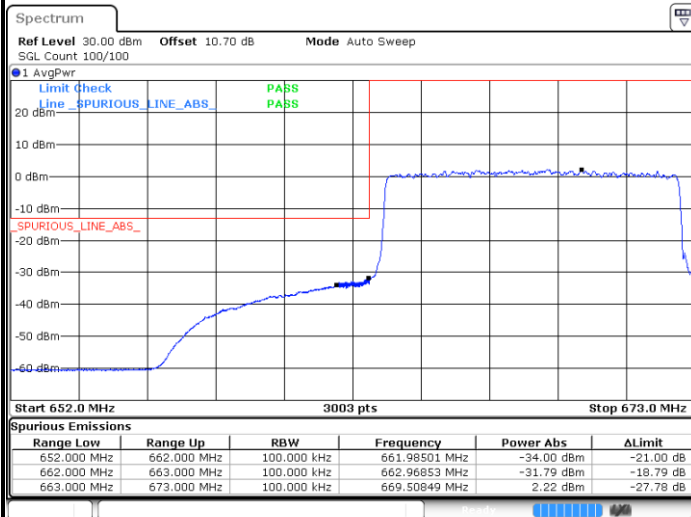
## Lowest Band Edge / 1 RB



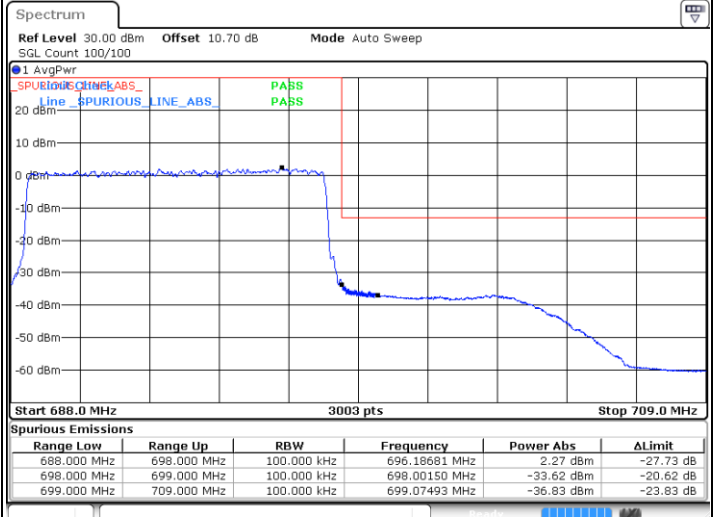
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



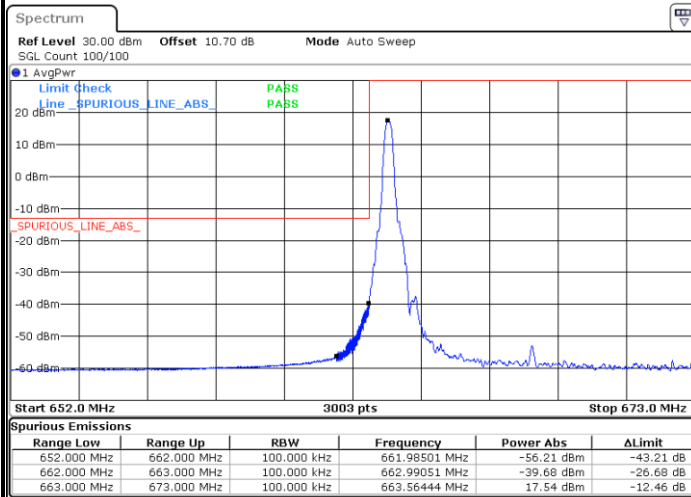
## Highest Band Edge / Full RB



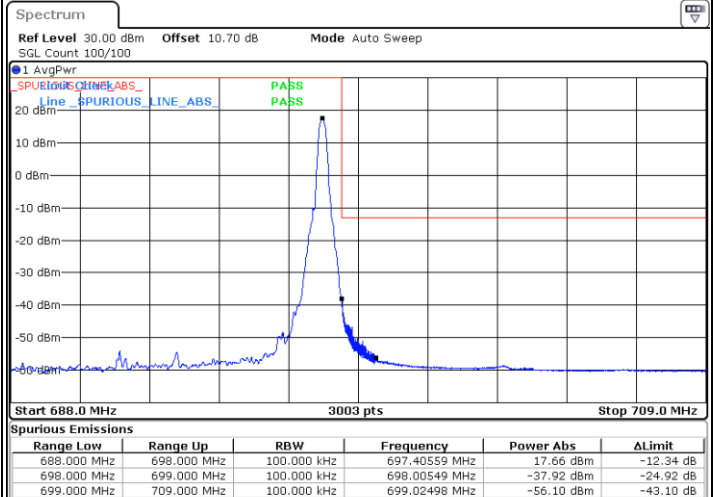


## LTE Band 71 / 10MHz / 64QAM

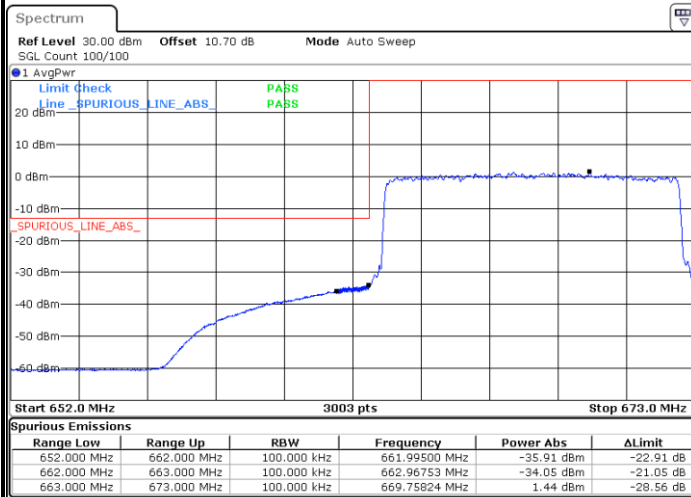
## Lowest Band Edge / 1 RB



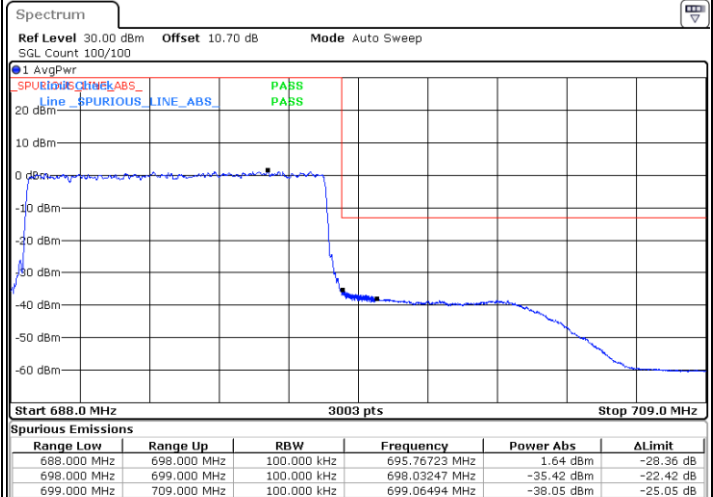
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



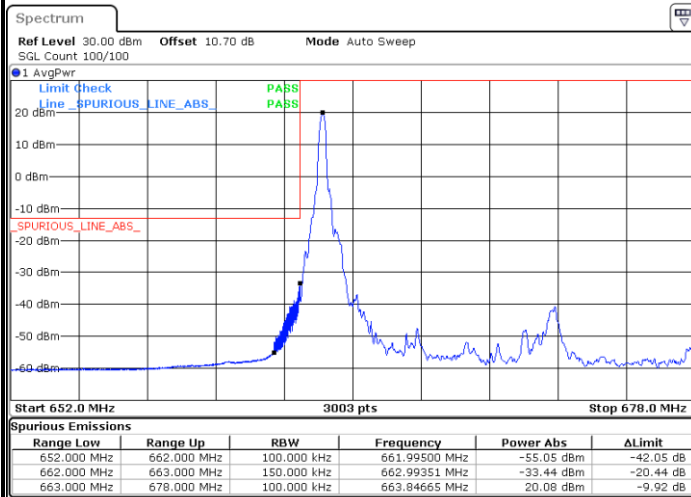
## Highest Band Edge / Full RB



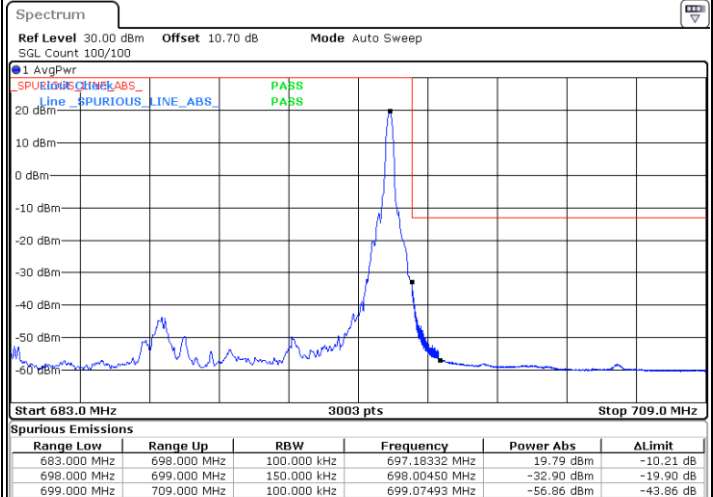


## LTE Band 71 / 15MHz / QPSK

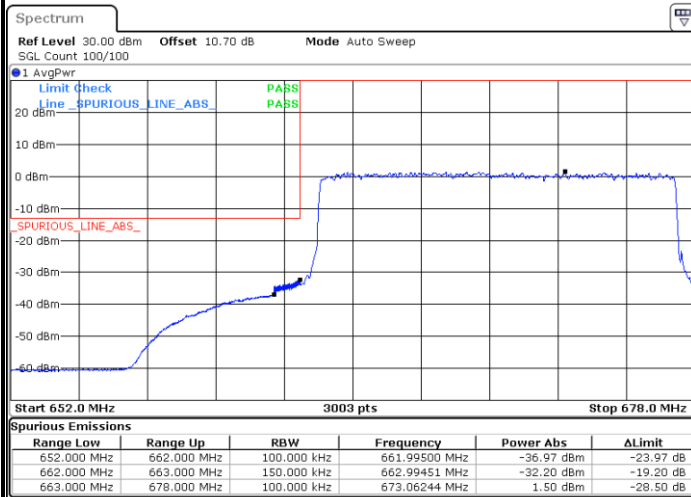
## Lowest Band Edge / 1 RB



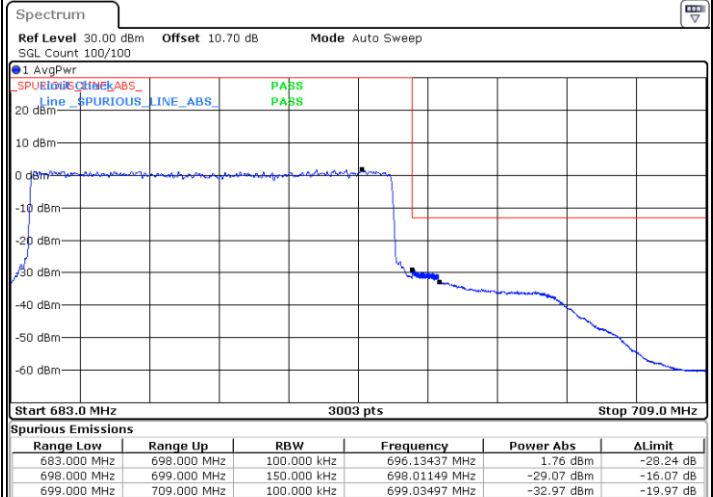
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



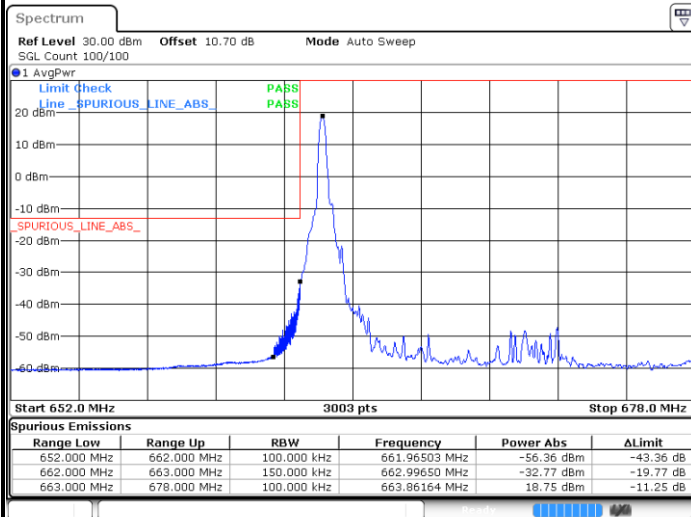
## Highest Band Edge / Full RB



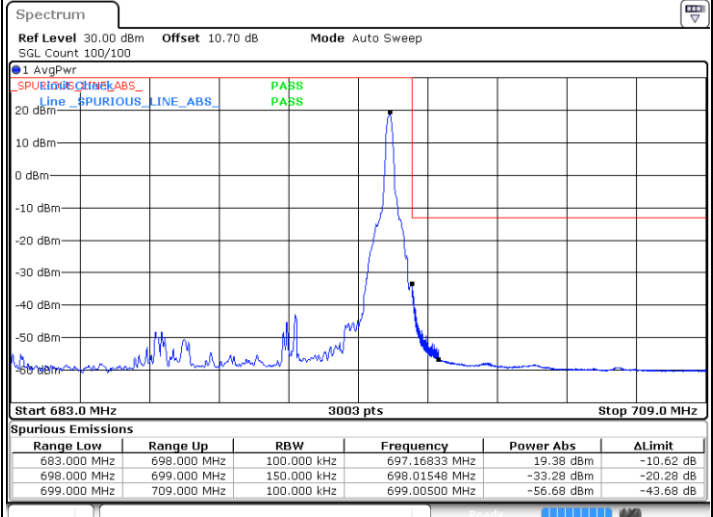


## LTE Band 71 / 15MHz / 16QAM

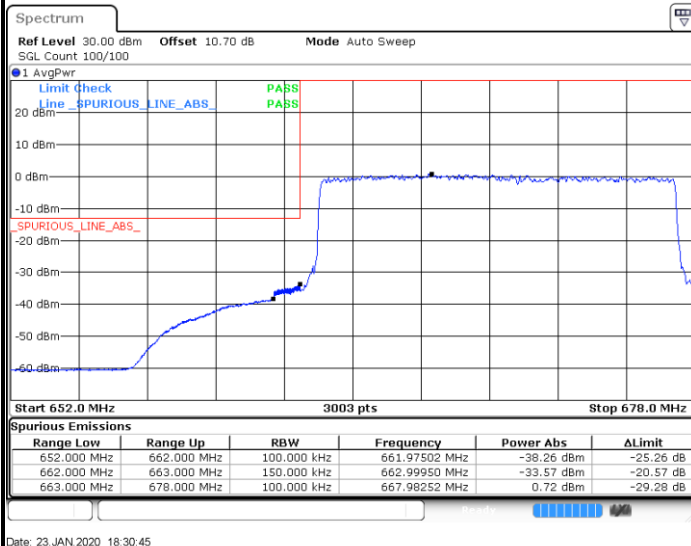
## Lowest Band Edge / 1 RB



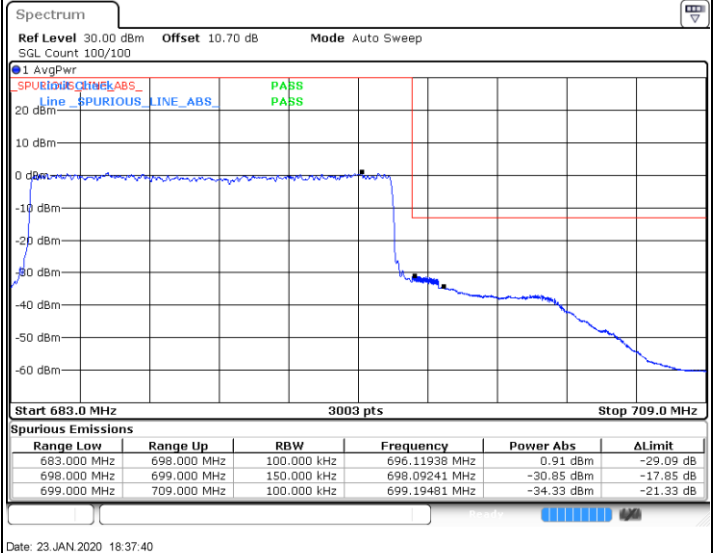
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



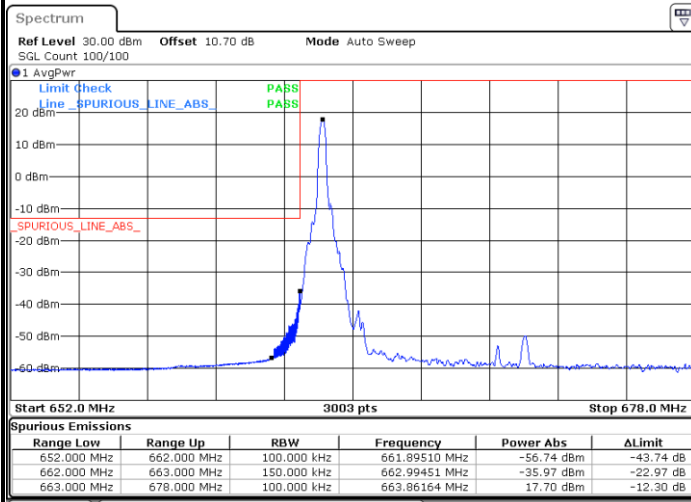
## Highest Band Edge / Full RB



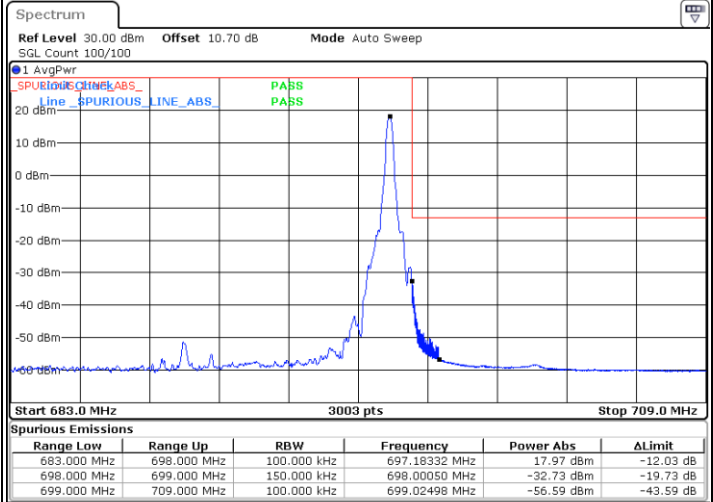


## LTE Band 71 / 15MHz / 64QAM

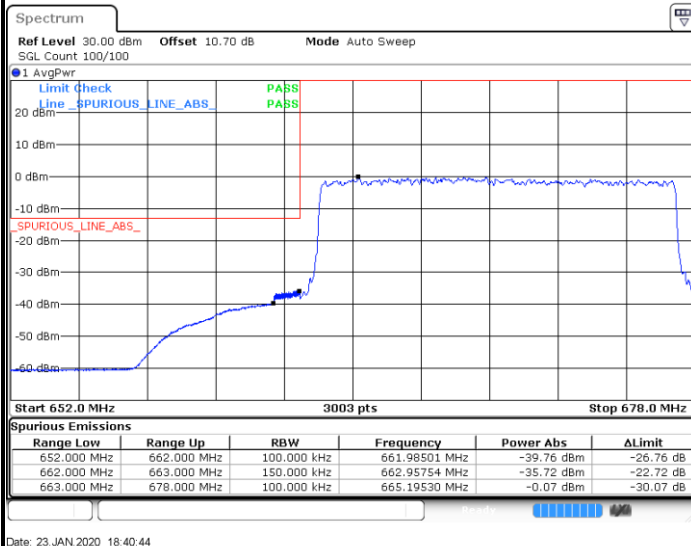
## Lowest Band Edge / 1 RB



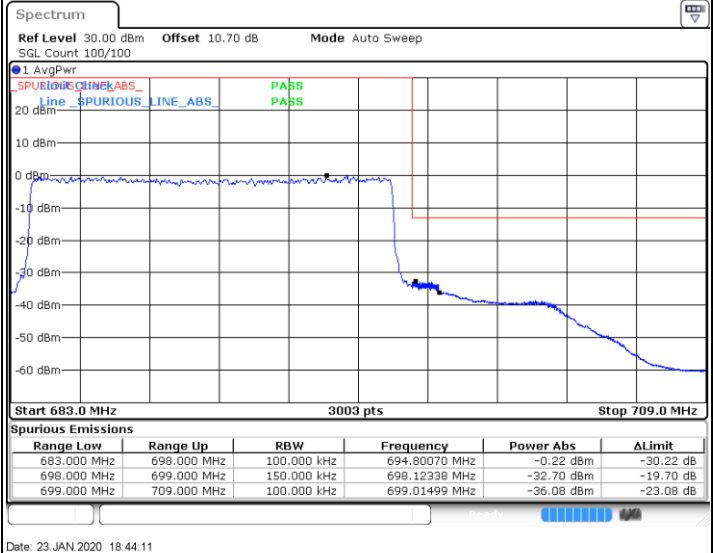
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



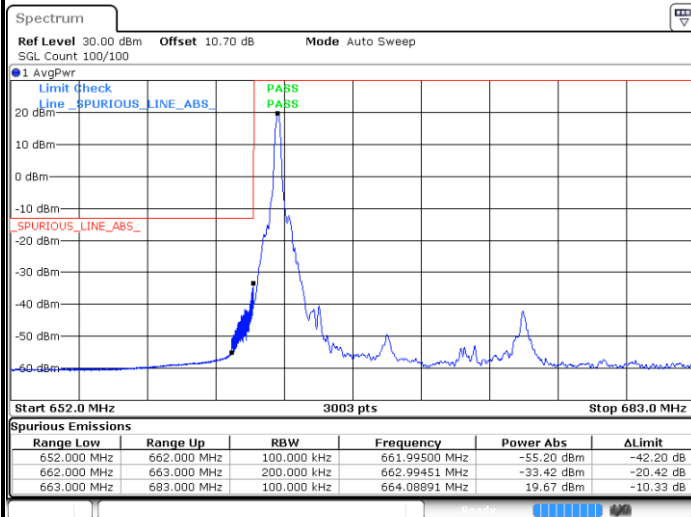
## Highest Band Edge / Full RB



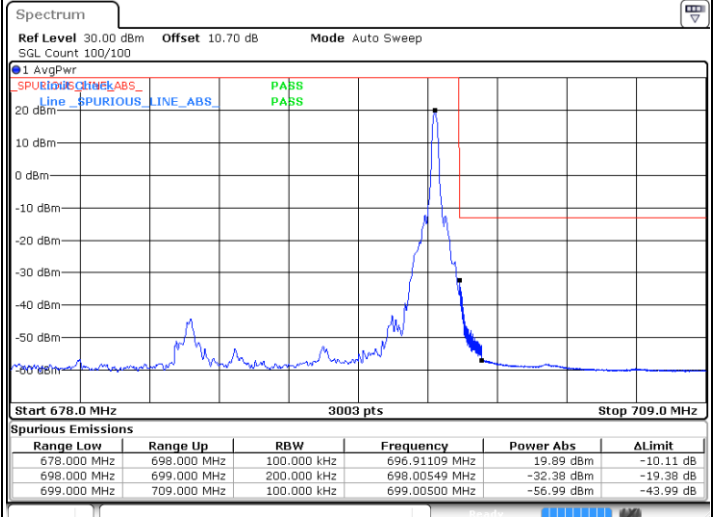


## LTE Band 71 / 20MHz / QPSK

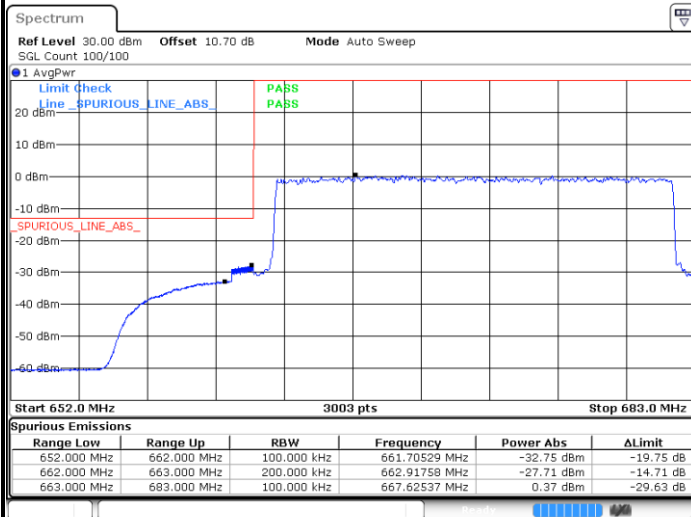
## Lowest Band Edge / 1 RB



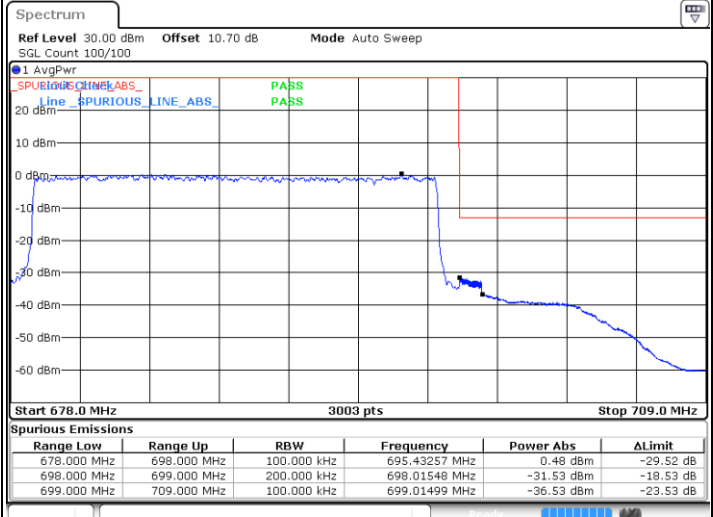
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



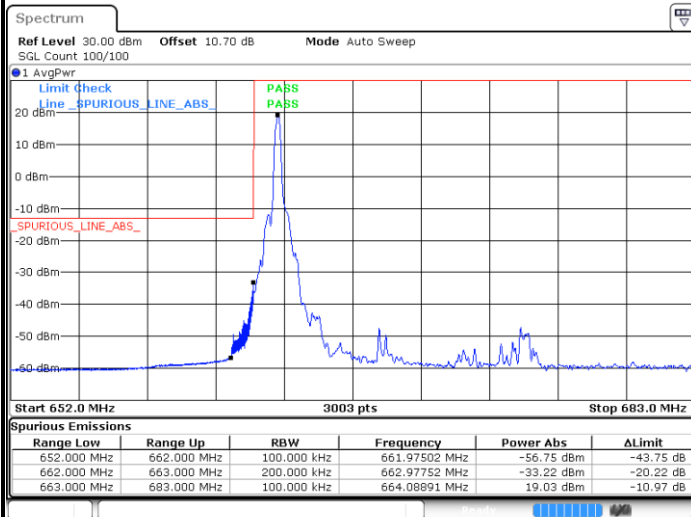
## Highest Band Edge / Full RB



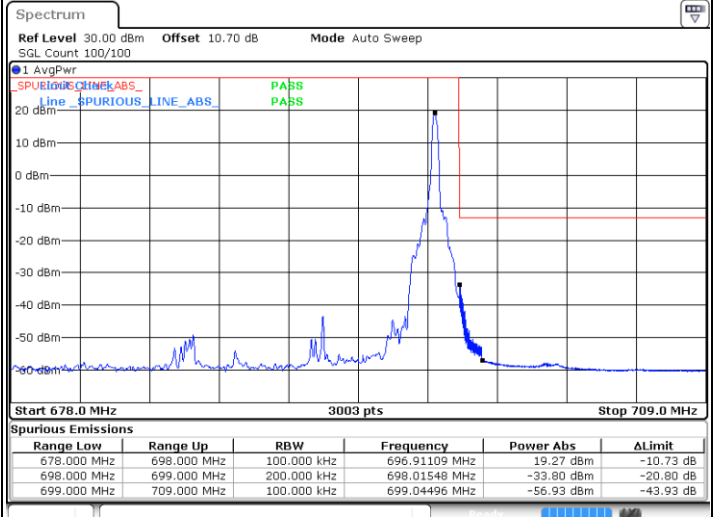


## LTE Band 71 / 20MHz / 16QAM

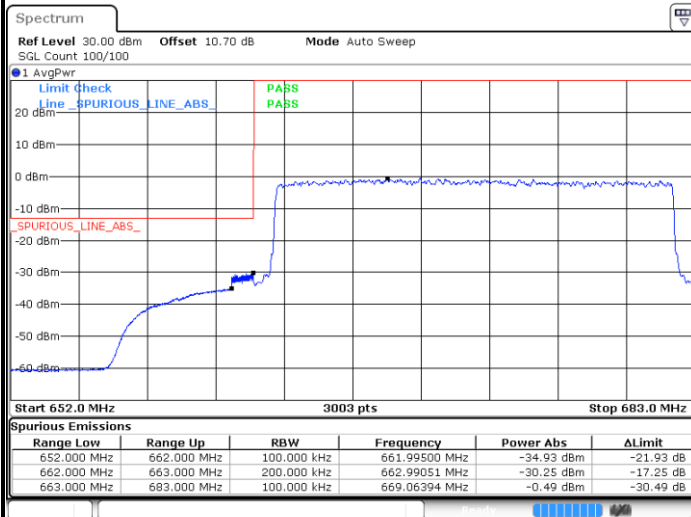
## Lowest Band Edge / 1 RB



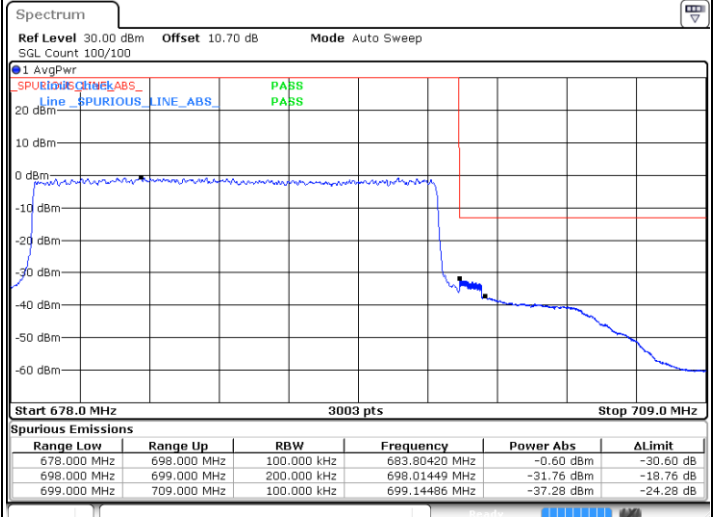
## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



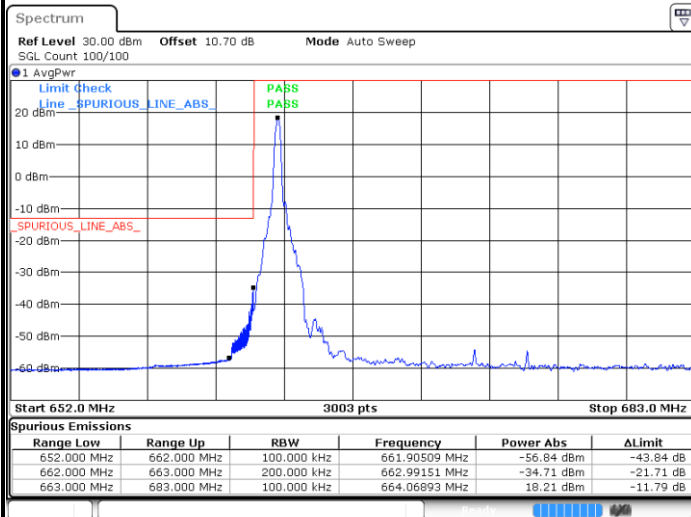
## Highest Band Edge / Full RB



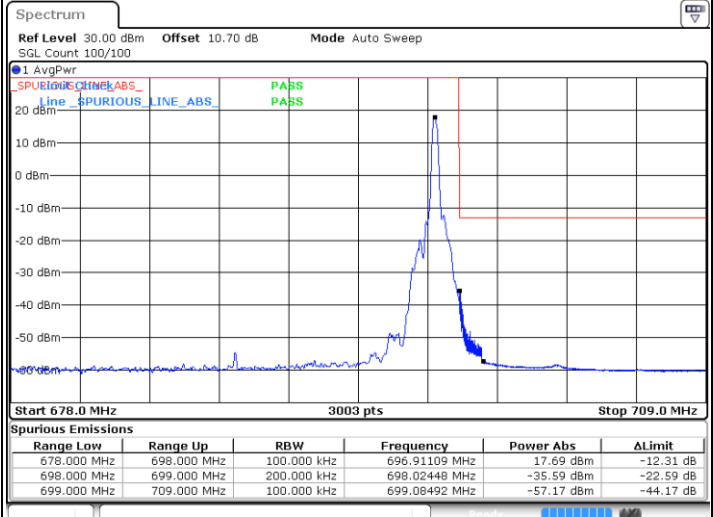


## LTE Band 71 / 20MHz / 64QAM

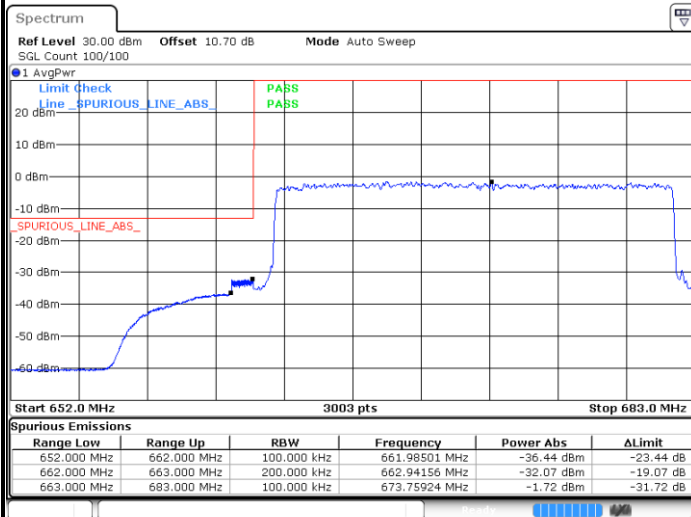
## Lowest Band Edge / 1 RB



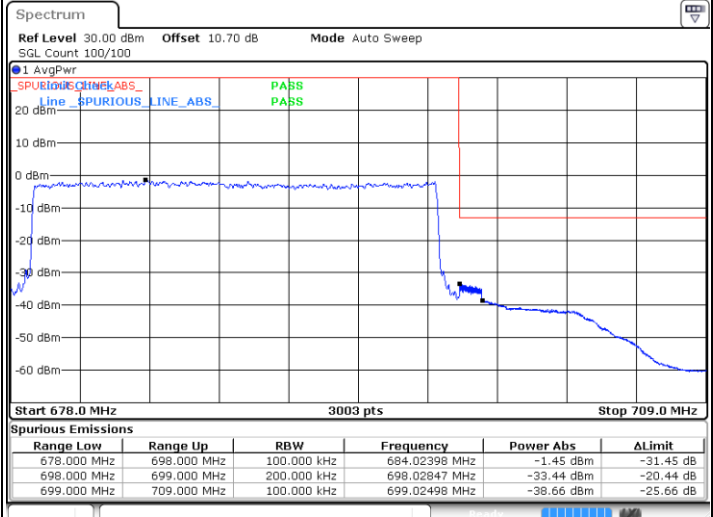
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

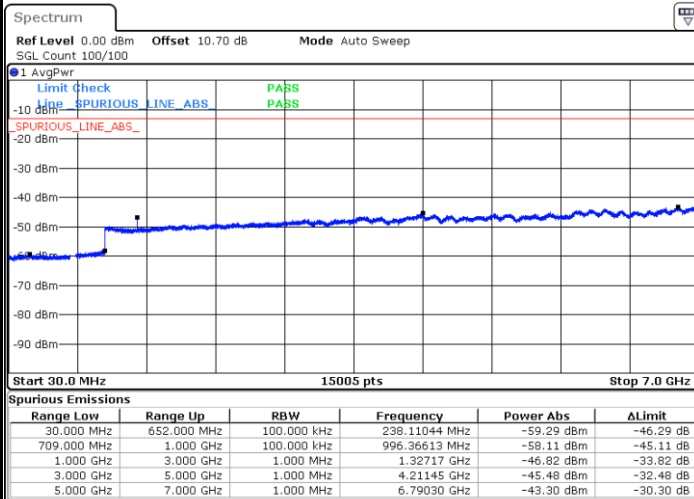




# Conducted Spurious Emission

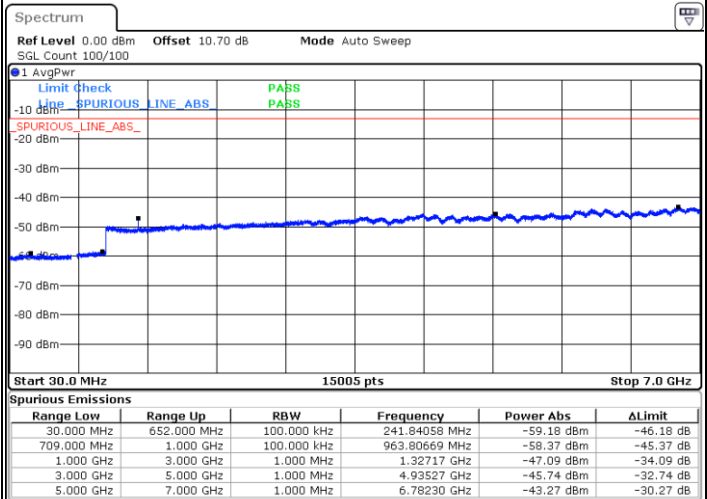
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



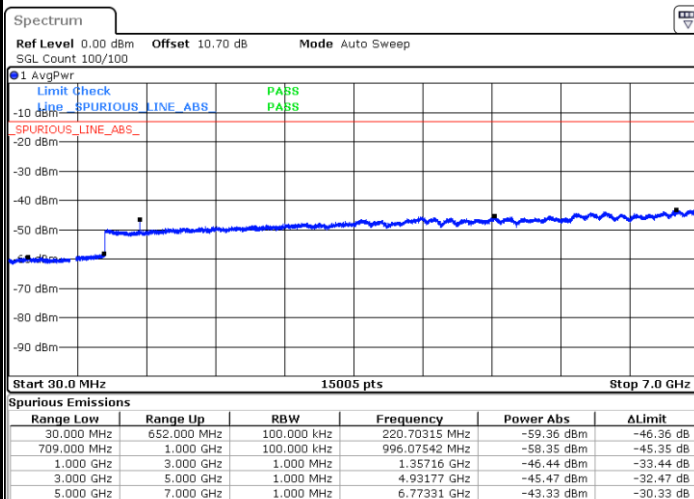
Date: 23 JAN 2020 17:55:53

### Lowest Channel / 16QAM



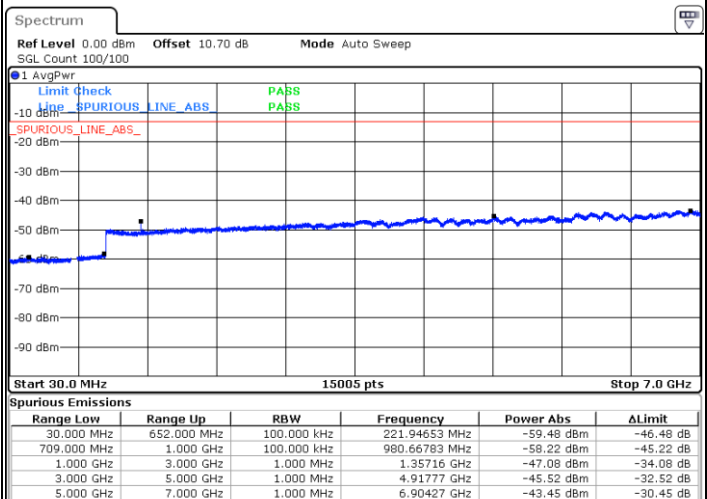
Date: 23 JAN 2020 17:56:33

### Middle Channel / QPSK



Date: 23 JAN 2020 17:57:59

### Middle Channel / 16QAM

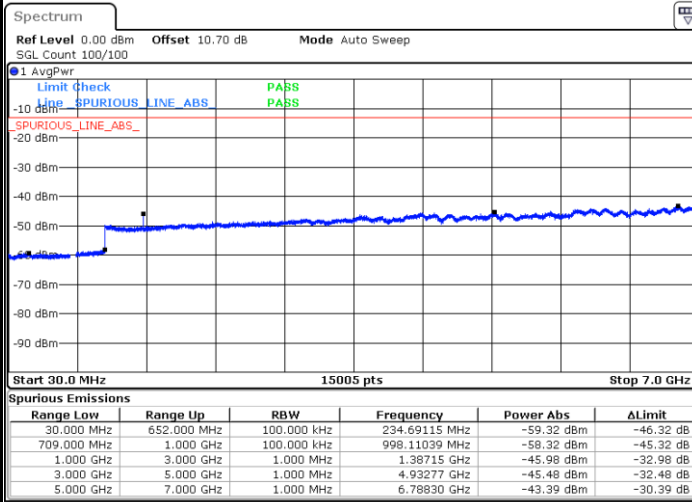


Date: 23 JAN 2020 17:58:39



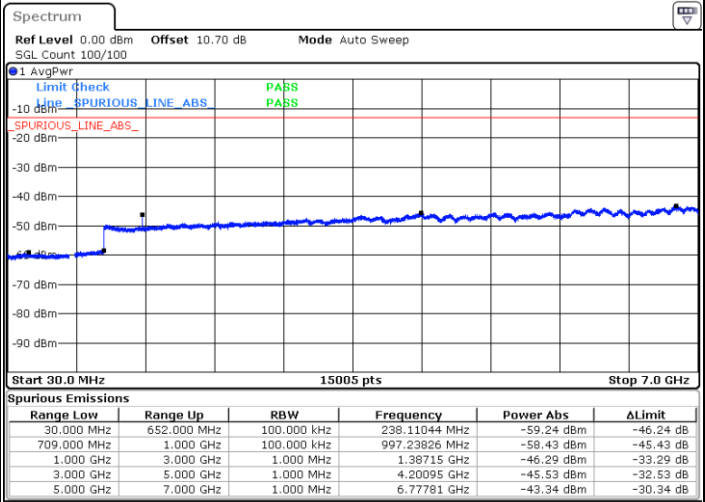
## LTE Band 71 / 5MHz

## Highest Channel / QPSK



Date: 23 JAN 2020 18:02:56

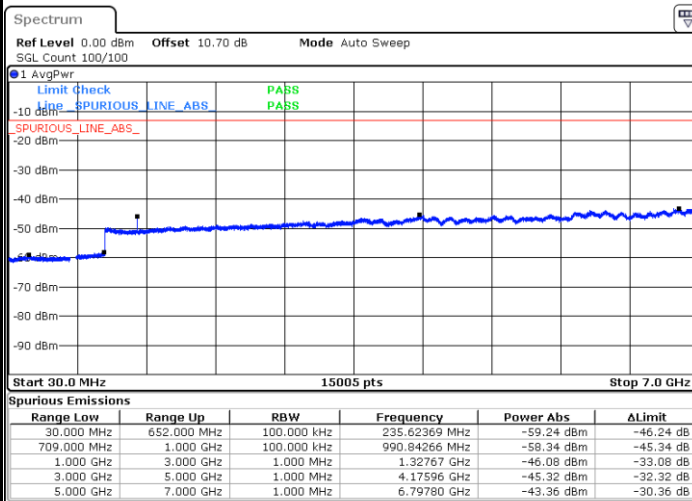
## Highest Channel / 16QAM



Date: 23 JAN 2020 18:03:35

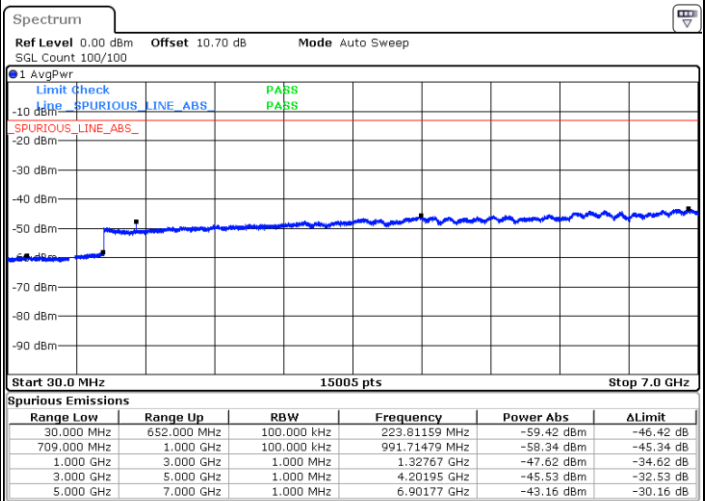
## LTE Band 71 / 10MHz

## Lowest Channel / QPSK



Date: 23 JAN 2020 18:13:45

## Lowest Channel / 16QAM

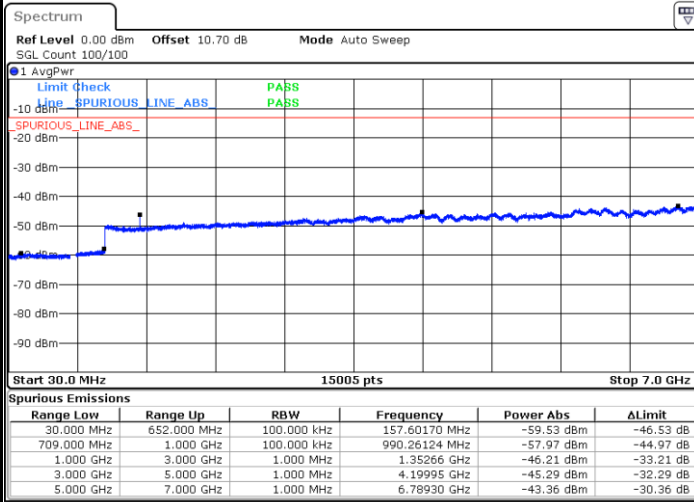


Date: 23 JAN 2020 18:14:25



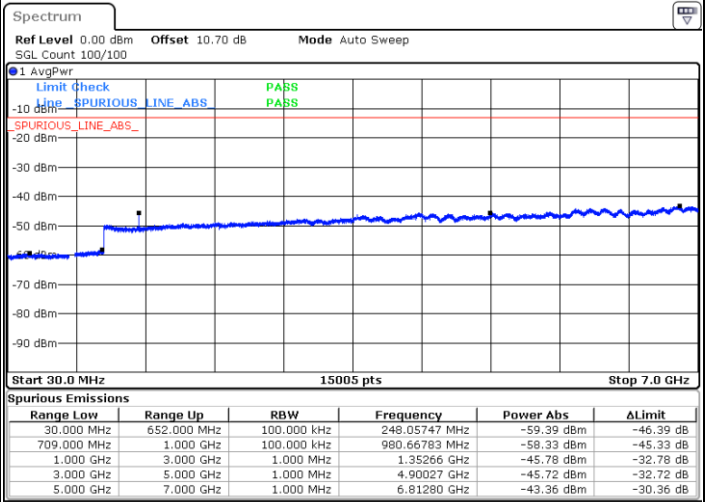
## LTE Band 71 / 10MHz

## Middle Channel / QPSK



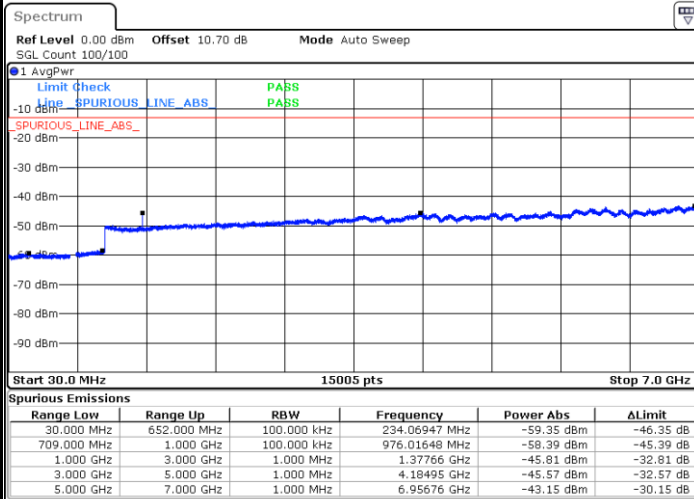
Date: 23 JAN 2020 18:15:51

## Middle Channel / 16QAM



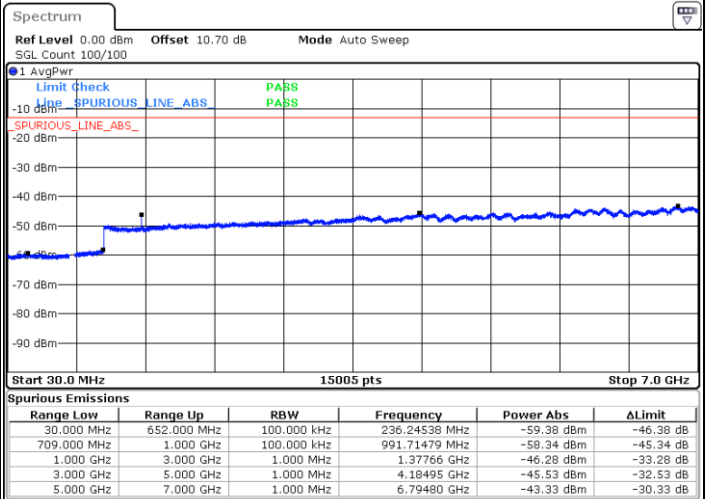
Date: 23 JAN 2020 18:16:30

## Highest Channel / QPSK



Date: 23 JAN 2020 18:20:41

## Highest Channel / 16QAM

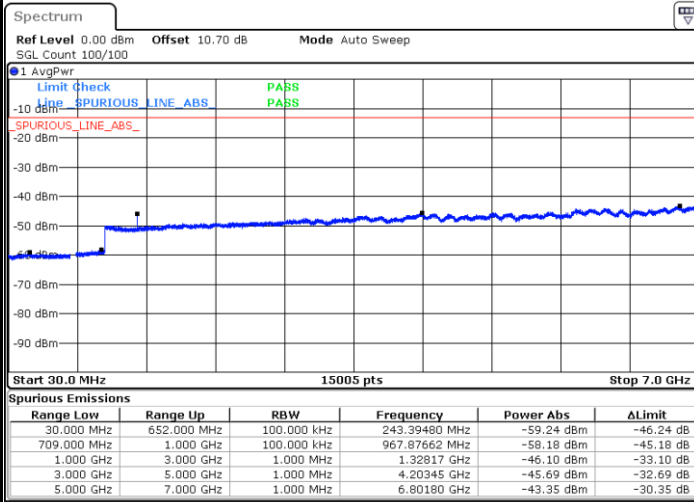


Date: 23 JAN 2020 18:21:21



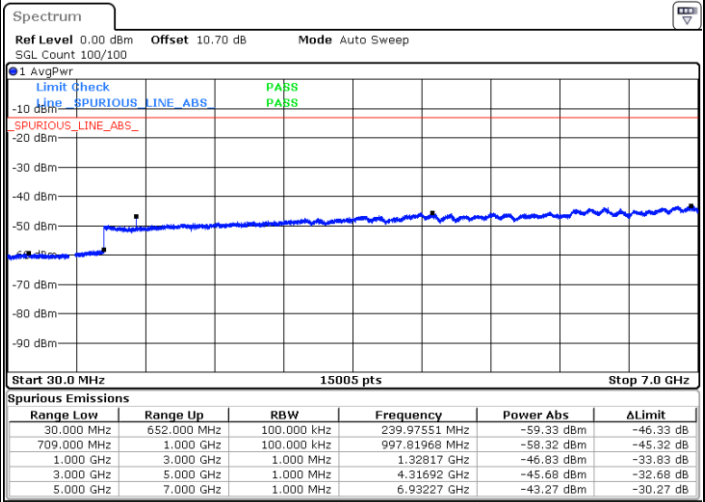
## LTE Band 71 / 15MHz

## Lowest Channel / QPSK



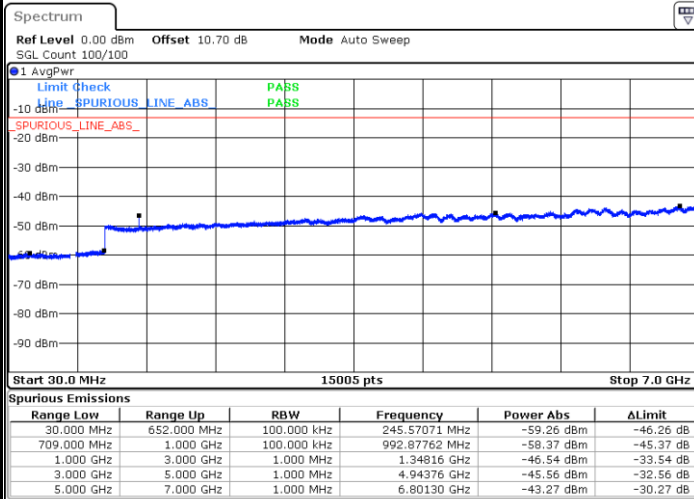
Date: 23 JAN 2020 18:31:25

## Lowest Channel / 16QAM



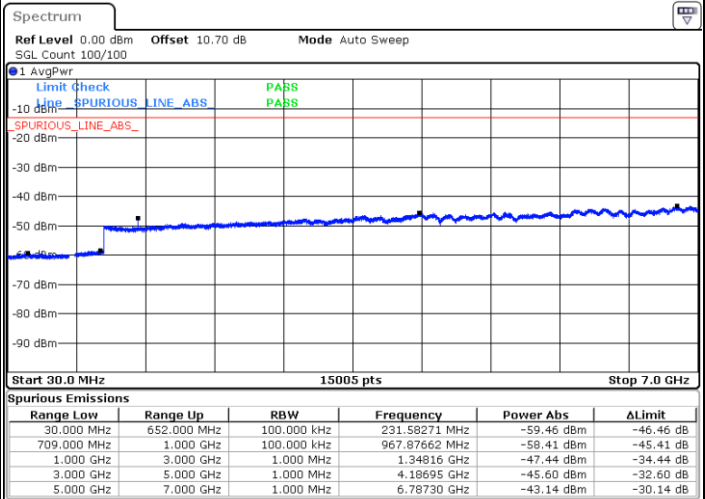
Date: 23 JAN 2020 18:32:05

## Middle Channel / QPSK



Date: 23 JAN 2020 18:33:30

## Middle Channel / 16QAM

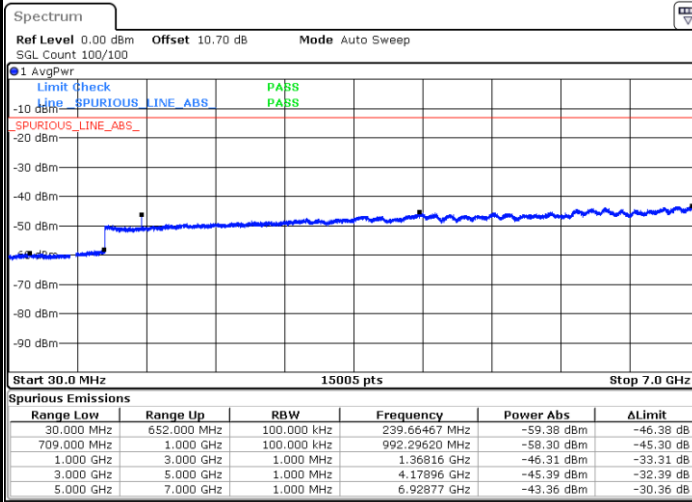


Date: 23 JAN 2020 18:34:09



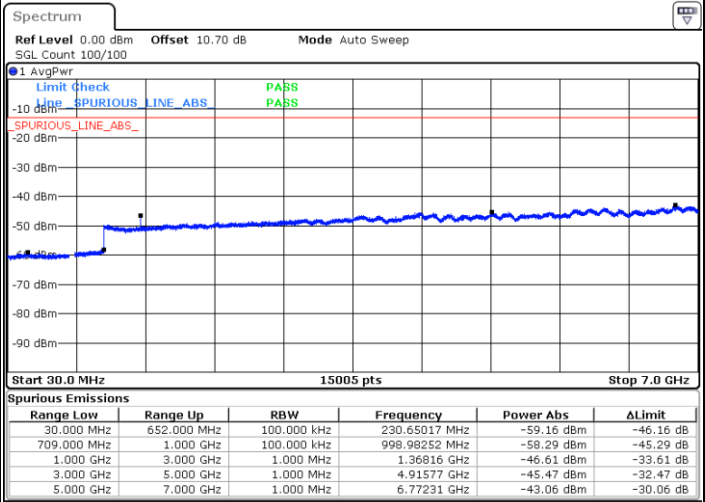
## LTE Band71 / 15MHz

## Highest Channel / QPSK



Date: 23 JAN 2020 18:38:19

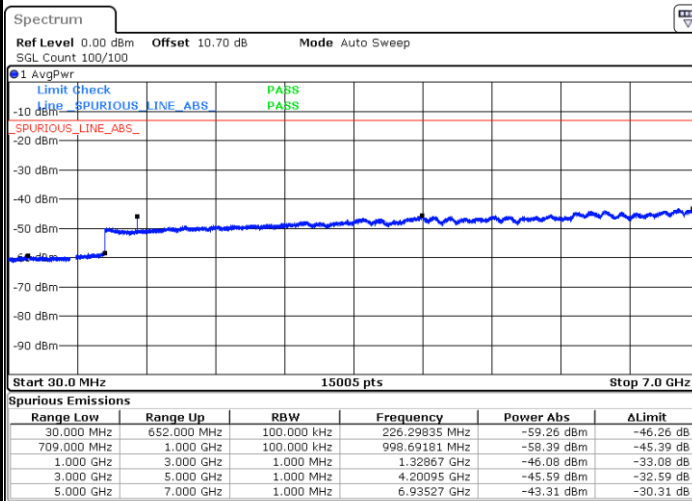
## Highest Channel / 16QAM



Date: 23 JAN 2020 18:38:59

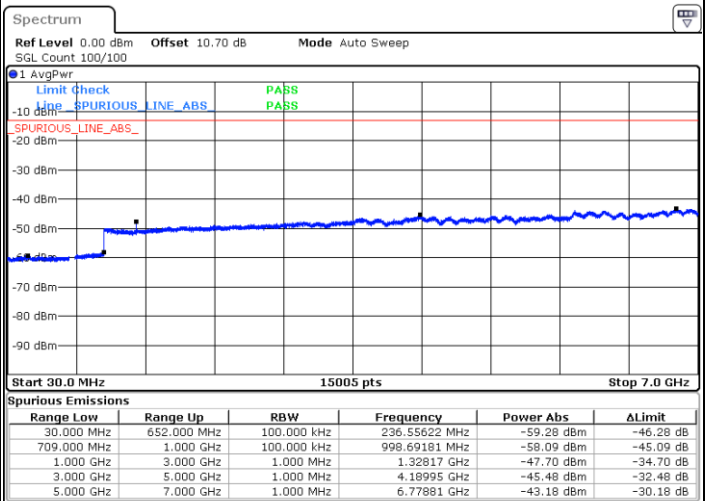
## LTE Band 71 / 20MHz

## Lowest Channel / QPSK



Date: 23 JAN 2020 18:49:03

## Lowest Channel / 16QAM

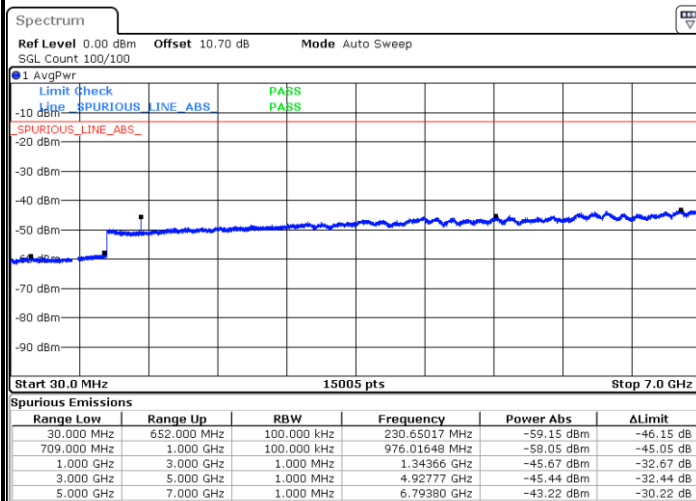


Date: 23 JAN 2020 18:49:42



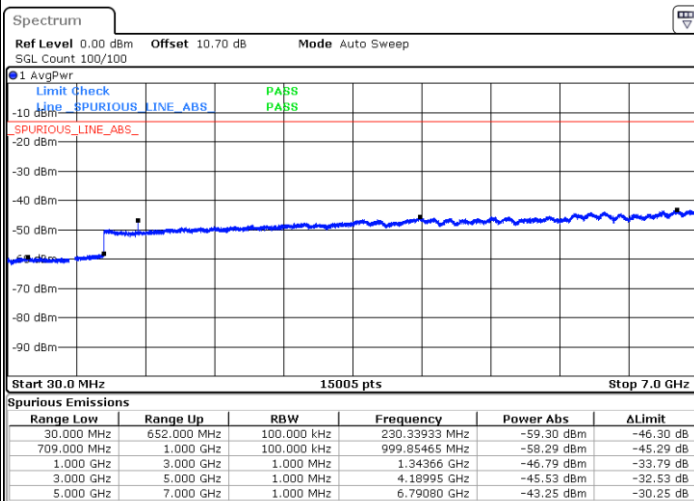
## LTE Band 71 / 20MHz

## Middle Channel / QPSK



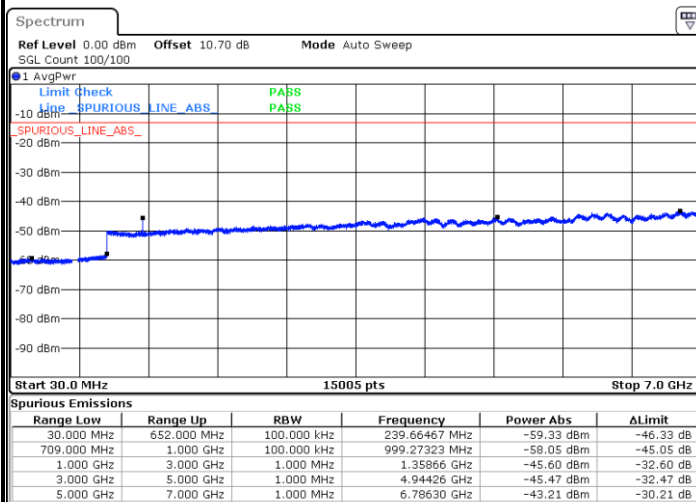
Date: 23 JAN 2020 18:51:08

## Middle Channel / 16QAM



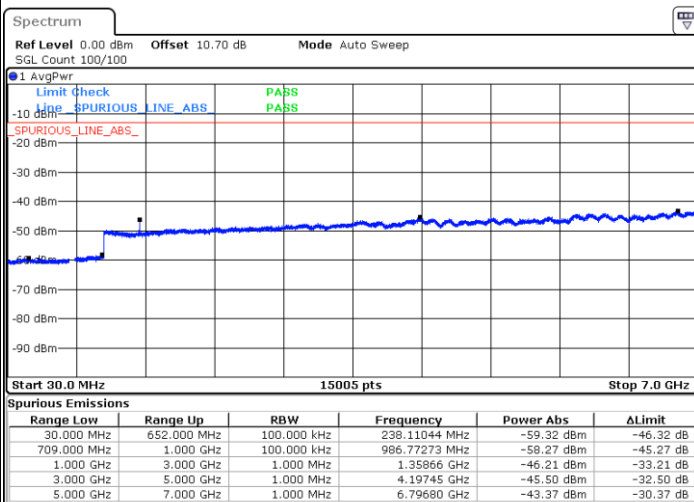
Date: 23 JAN 2020 18:51:48

## Highest Channel / QPSK



Date: 23 JAN 2020 18:55:58

## Highest Channel / 16QAM

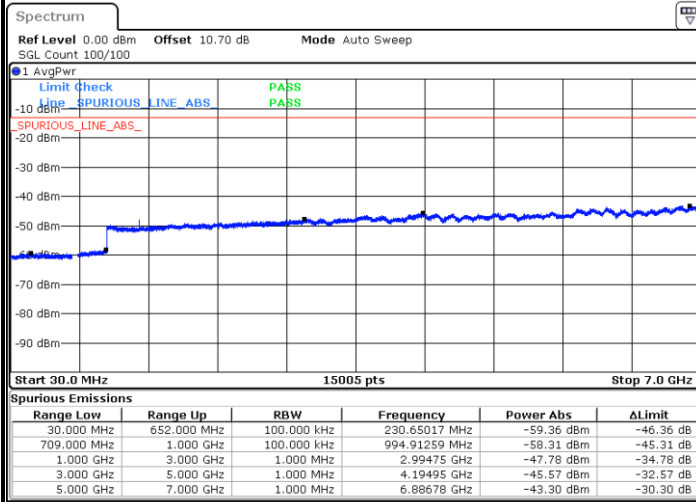


Date: 23 JAN 2020 18:56:38



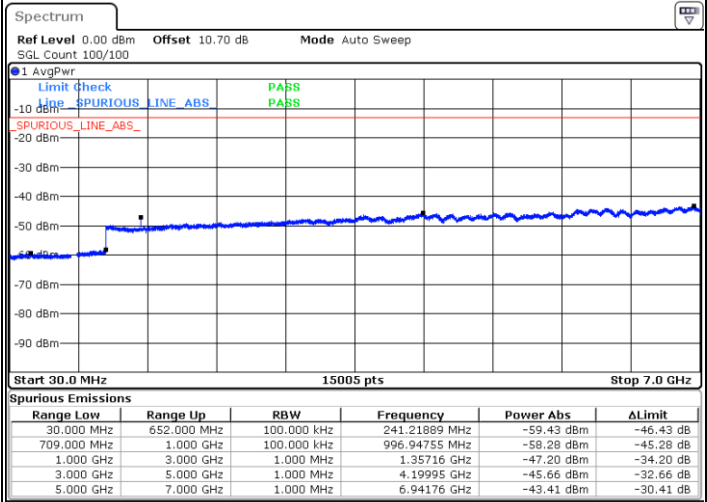
## LTE Band 71 / 5MHz

## Lowest Channel / 64QAM



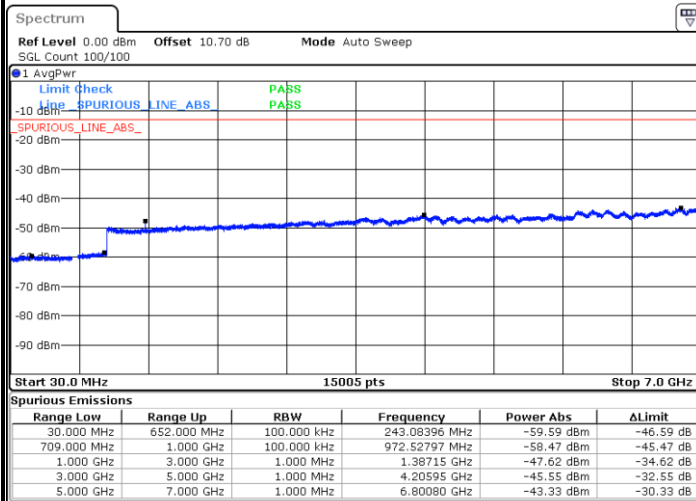
Date: 23 JAN 2020 18:06:02

## Middle Channel / 64QAM



Date: 23 JAN 2020 18:07:05

## Highest Channel / 64QAM

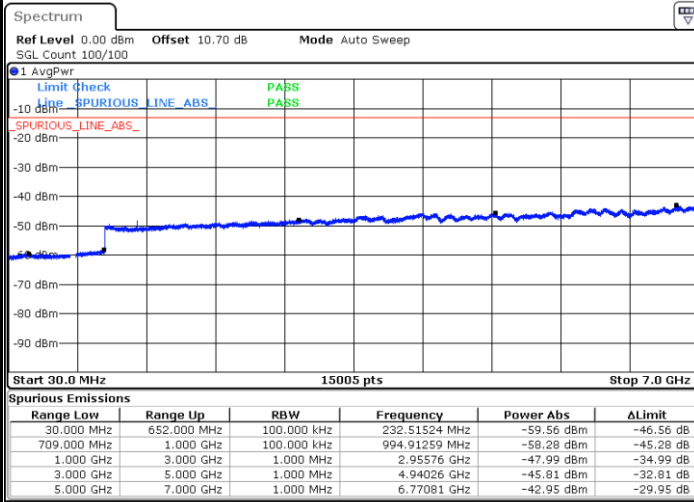


Date: 23 JAN 2020 18:09:34



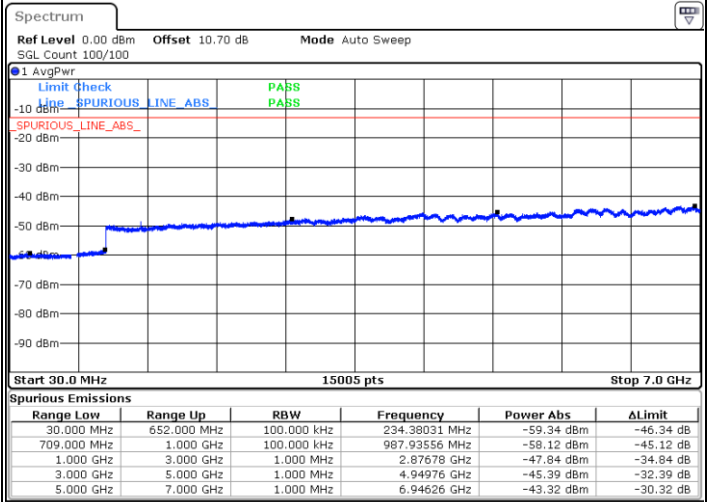
## LTE Band 71 / 10MHz

## Lowest Channel / 64QAM



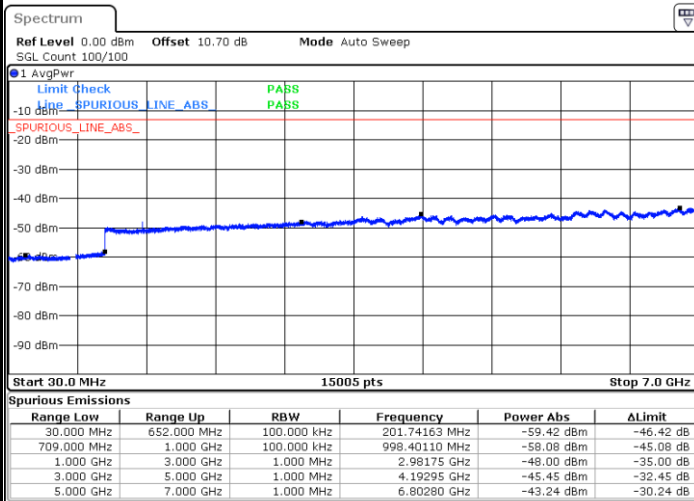
Date: 23 JAN 2020 18:23:46

## Middle Channel / 64QAM



Date: 23 JAN 2020 18:24:49

## Highest Channel / 64QAM

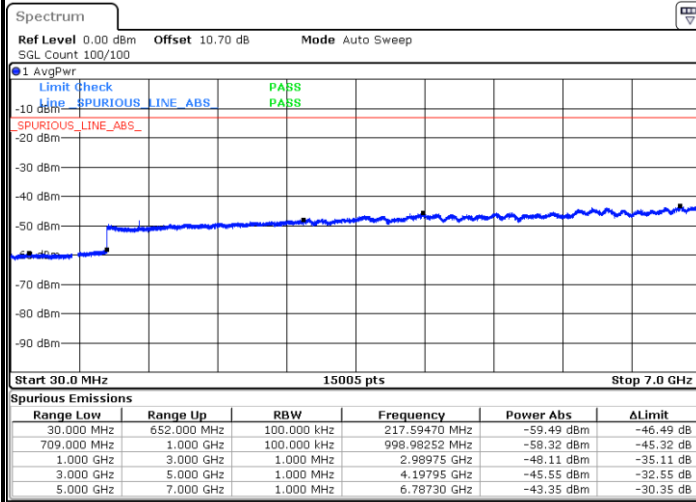


Date: 23 JAN 2020 18:27:13



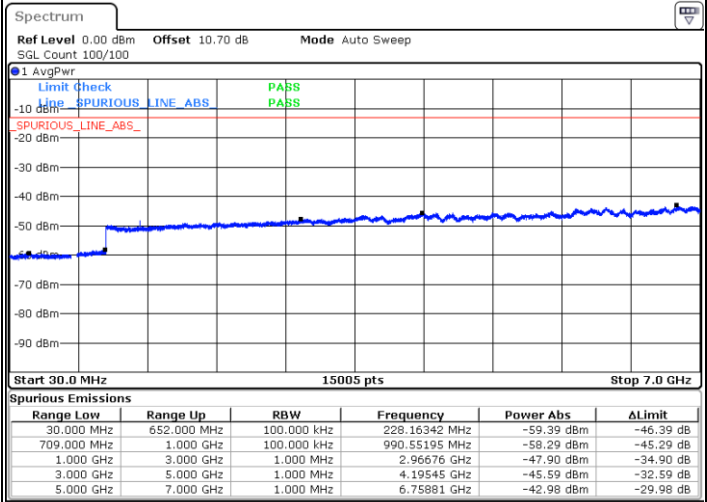
## LTE Band 71 / 15MHz

## Lowest Channel / 64QAM



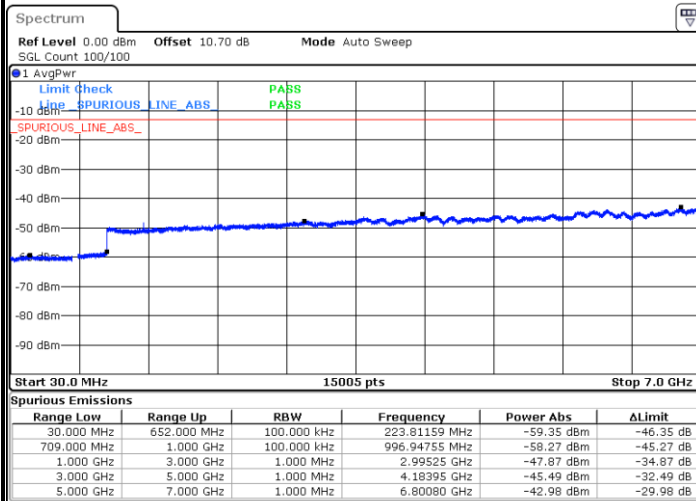
Date: 23 JAN 2020 18:41:24

## Middle Channel / 64QAM



Date: 23 JAN 2020 18:42:26

## Highest Channel / 64QAM

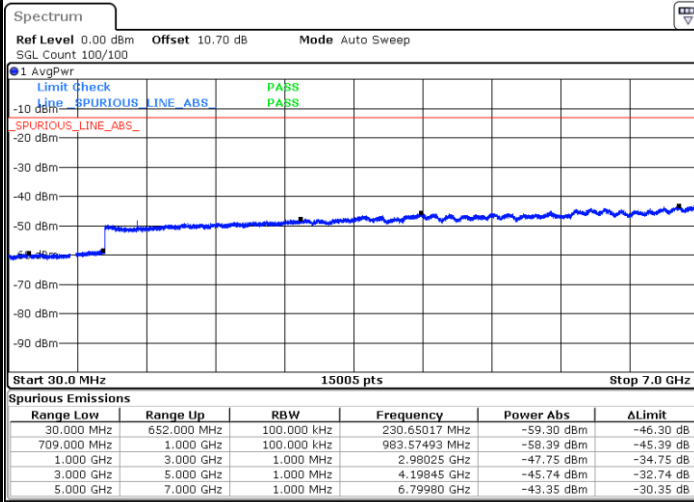


Date: 23 JAN 2020 18:44:51



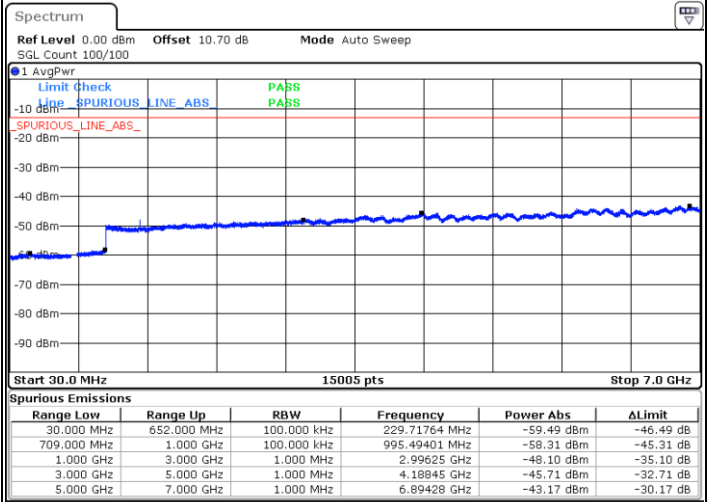
## LTE Band 71 / 20MHz

## Lowest Channel / 64QAM



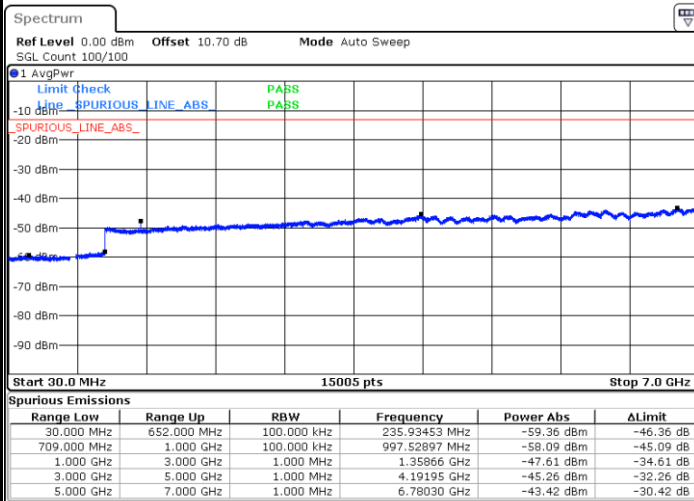
Date: 23 JAN 2020 18:59:04

## Middle Channel / 64QAM



Date: 23 JAN 2020 19:00:06

## Highest Channel / 64QAM



Date: 23 JAN 2020 19:02:32

## Frequency Stability

| Test Conditions  |                   | LTE Band 71 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0012                              | PASS    |
| 40               | Normal Voltage    | 0.0028                              |         |
| 30               | Normal Voltage    | 0.0006                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0021                              |         |
| 0                | Normal Voltage    | 0.0018                              |         |
| -10              | Normal Voltage    | 0.0031                              |         |
| -20              | Normal Voltage    | 0.0103                              |         |
| -30              | Normal Voltage    | 0.0100                              |         |
| 20               | Maximum Voltage   | 0.0012                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0098                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## FR1 n2\_Ant. 3

**Peak-to-Average Ratio**

| Mode       | FR1 n2 / 20MHz / DFT-S OFDM |         |       |         |             |
|------------|-----------------------------|---------|-------|---------|-------------|
| Mod.       | PI/2 BPSK                   |         | QPSK  |         | Limit: 13dB |
| RB Size    | 1RB                         | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 5.28                        | 4.90    | 5.80  | 6.06    | PASS        |
| Middle CH  | 5.10                        | 4.67    | 5.97  | 6.03    |             |
| Highest CH | 5.74                        | 4.96    | 6.26  | 6.06    |             |
| Mode       | FR1 n2 / 20MHz / DFT-S OFDM |         |       |         |             |
| Mod.       | 16QAM                       |         | 64QAM |         | Limit: 13dB |
| RB Size    | 1RB                         | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 7.71                        | 6.99    | 7.97  | 7.13    | PASS        |
| Middle CH  | 7.77                        | 7.01    | 8.26  | 7.19    |             |
| Highest CH | 7.77                        | 6.99    | 8.03  | 7.25    |             |
| Mode       | FR1 n2 / 20MHz / DFT-S OFDM |         |       |         |             |
| Mod.       | 256QAM                      |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                         | Full RB | -     | -       | Result      |
| Lowest CH  | 7.59                        | 7.36    | -     | -       | PASS        |
| Middle CH  | 7.51                        | 7.30    | -     | -       |             |
| Highest CH | 7.68                        | 7.04    | -     | -       |             |