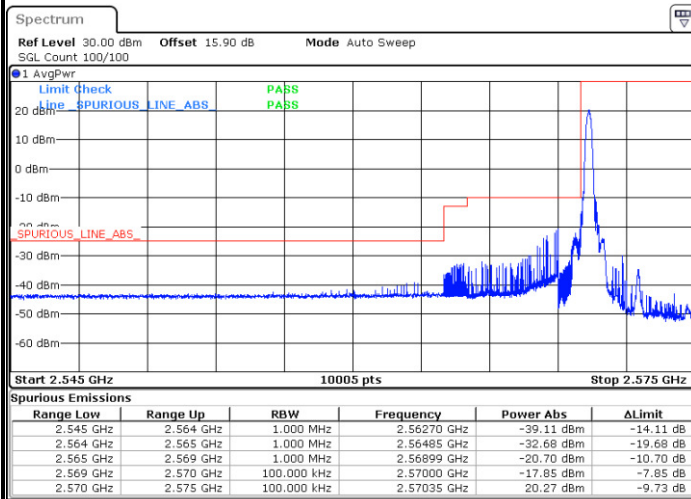


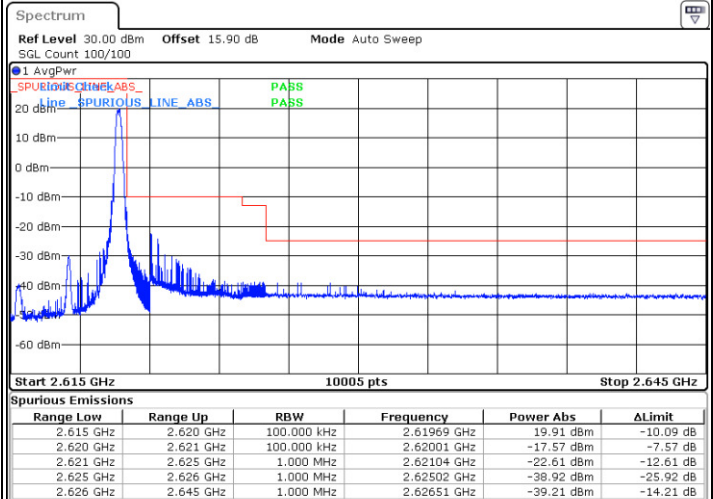


## LTE Band 38 / 5MHz / 64QAM

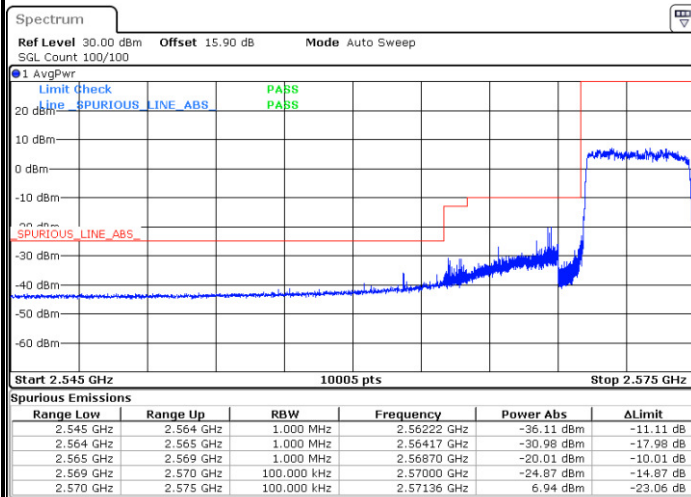
## Lowest Band Edge / 1RB



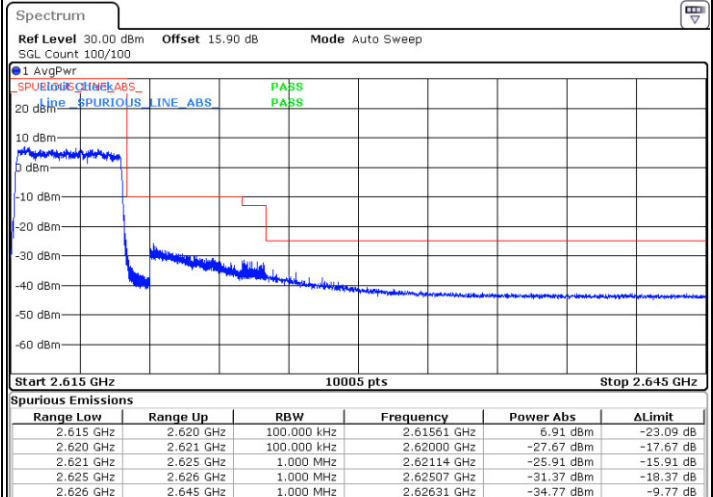
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



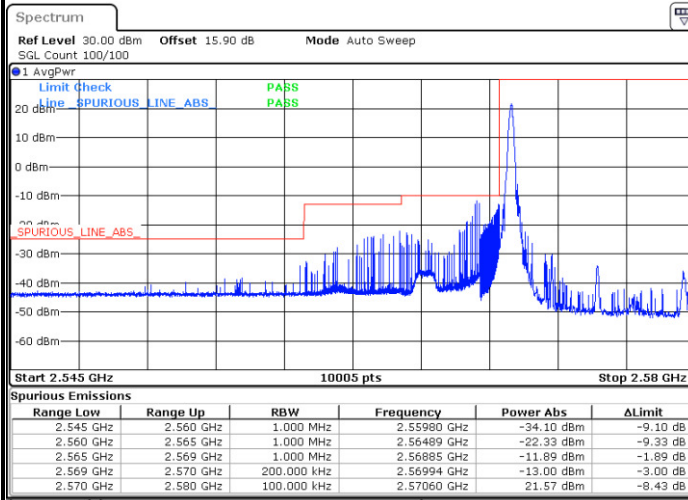
## Highest Band Edge / Full RB



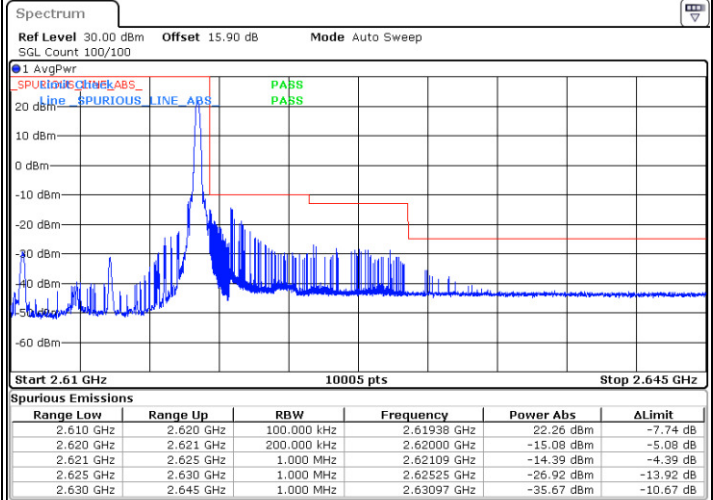


## LTE Band 38 / 10MHz / QPSK

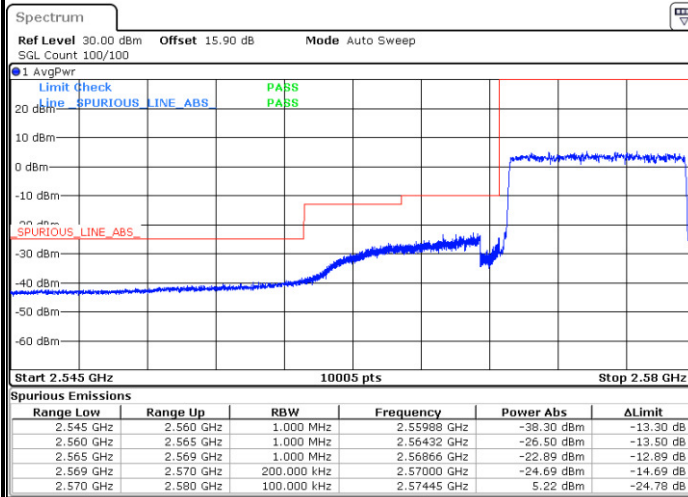
## Lowest Band Edge / 1 RB



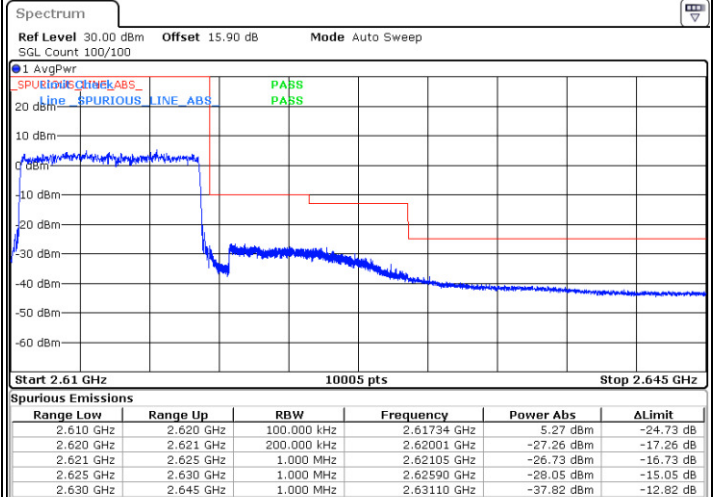
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



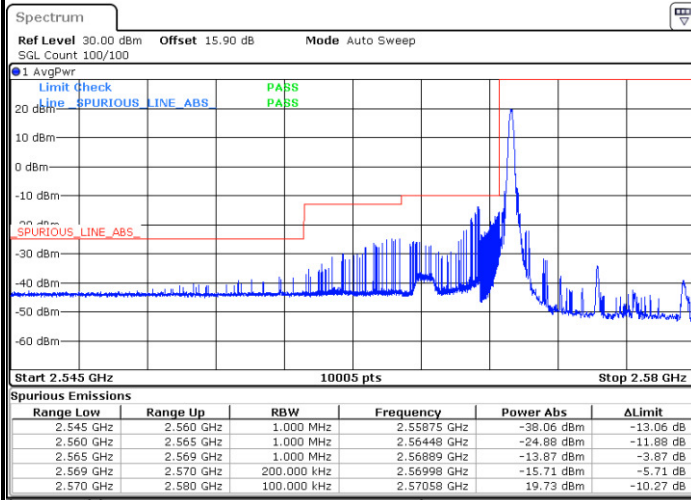
## Highest Band Edge / Full RB



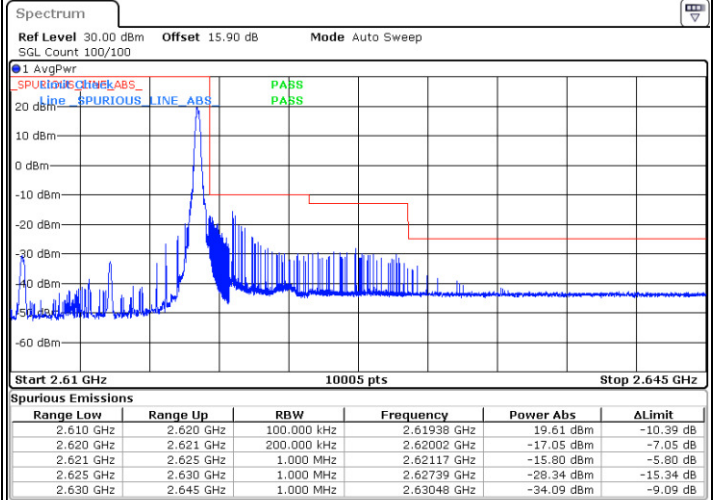


## LTE Band 38 / 10MHz / 16QAM

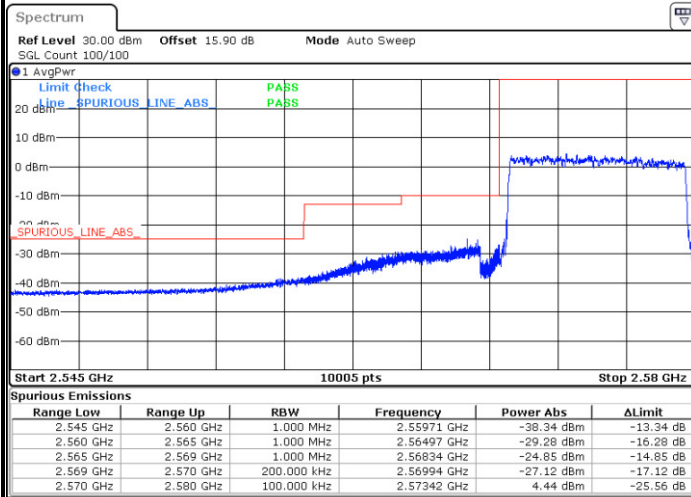
## Lowest Band Edge / 1 RB



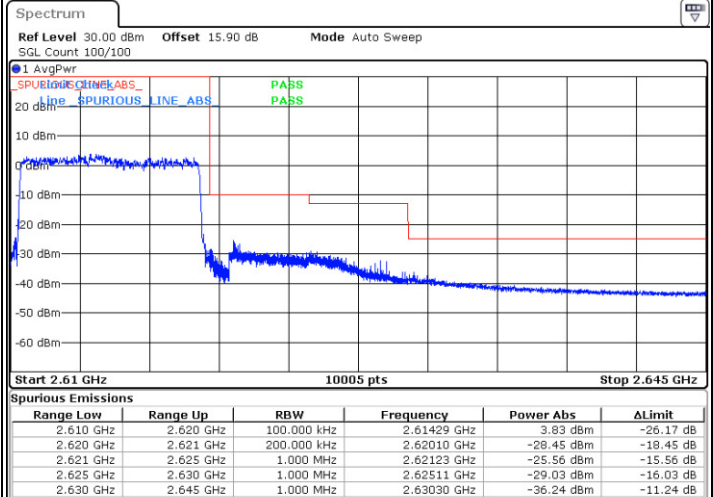
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



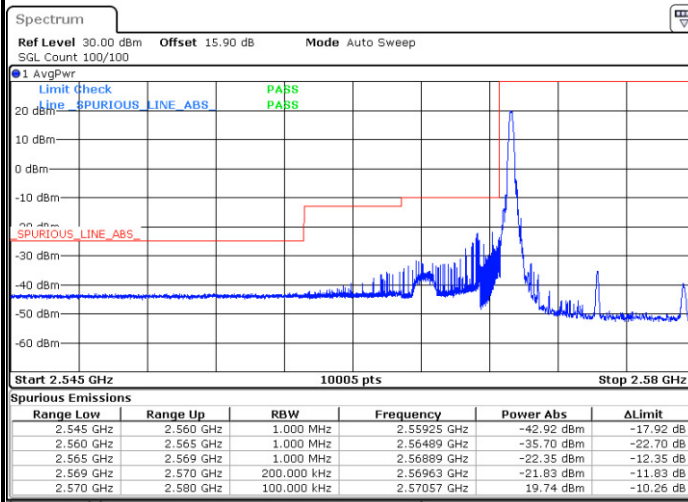
## Highest Band Edge / Full RB



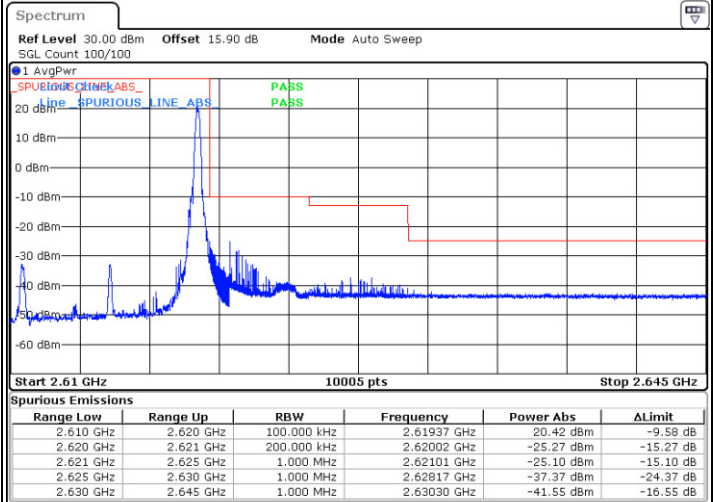


## LTE Band 38 / 10MHz / 64QAM

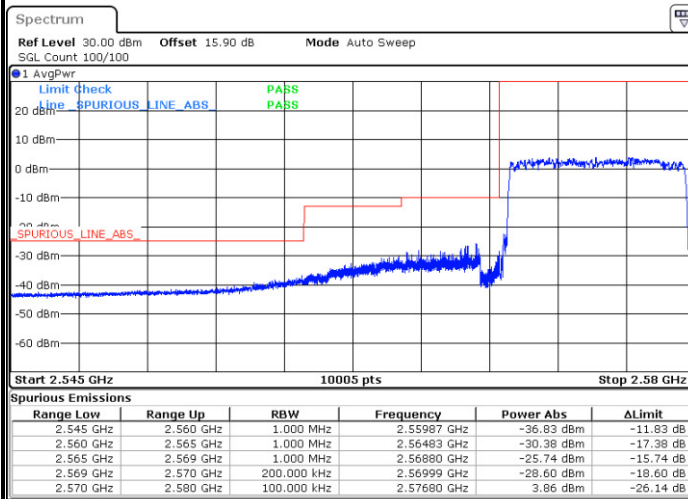
## Lowest Band Edge / 1 RB



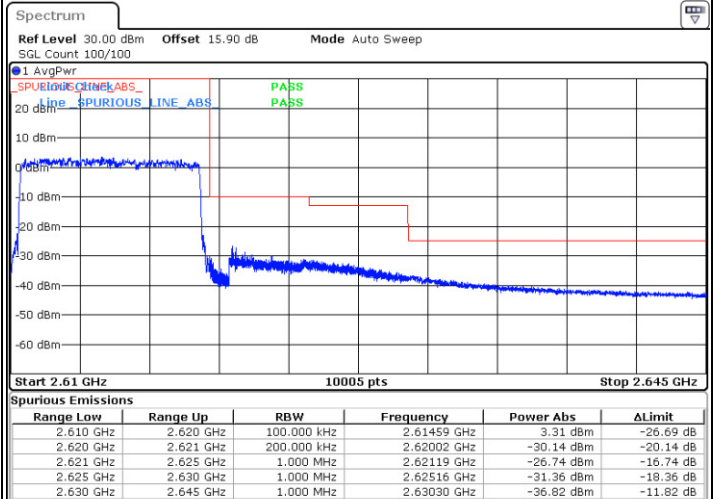
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



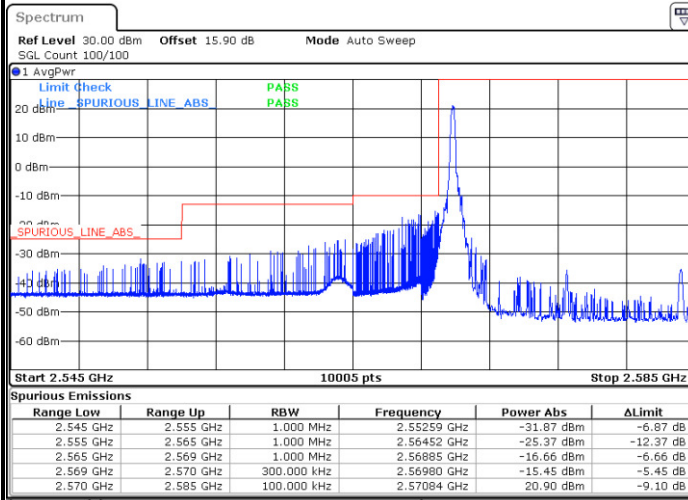
## Highest Band Edge / Full RB



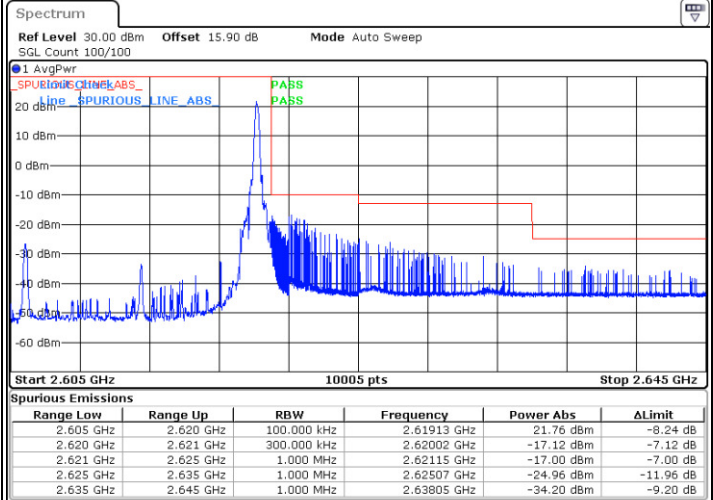


## LTE Band 38 / 15MHz / QPSK

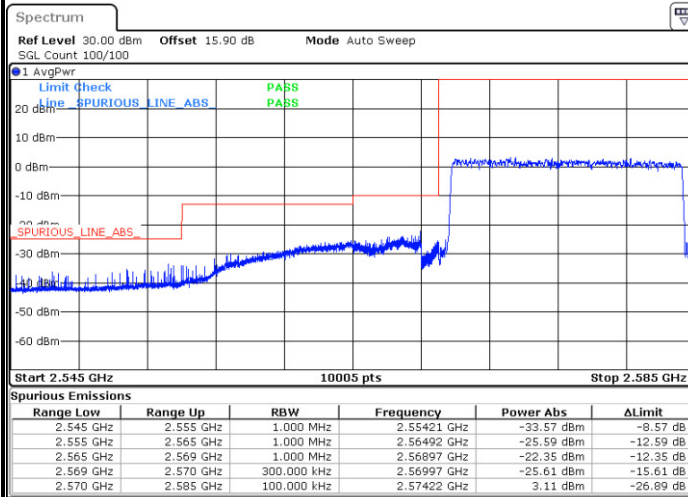
## Lowest Band Edge / 1 RB



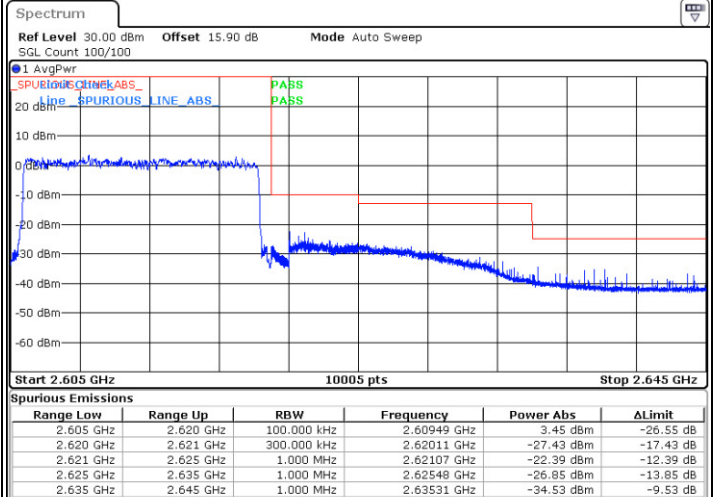
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



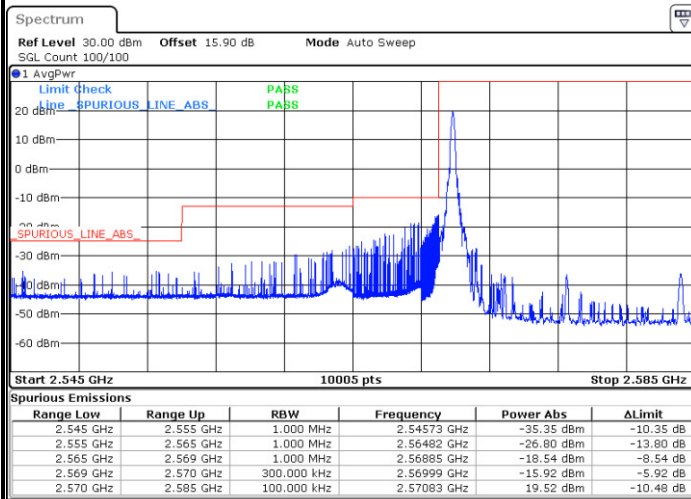
## Highest Band Edge / Full RB



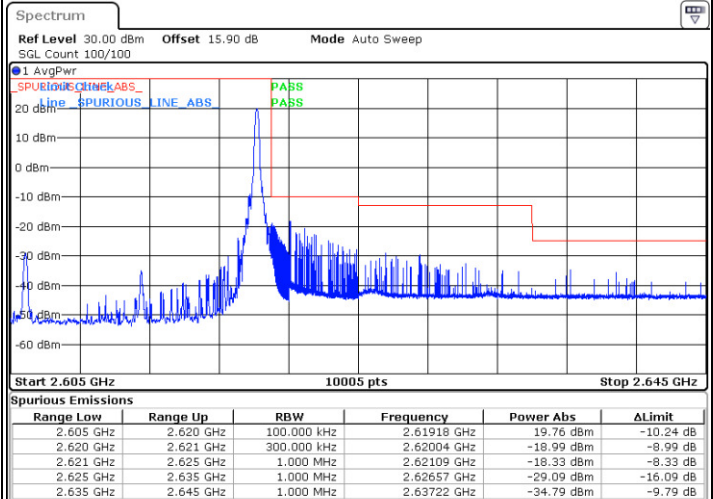


## LTE Band 38 / 15MHz / 16QAM

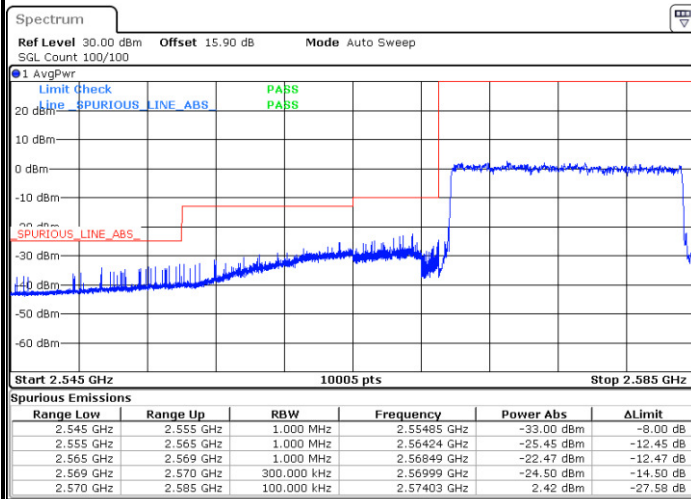
## Lowest Band Edge / 1 RB



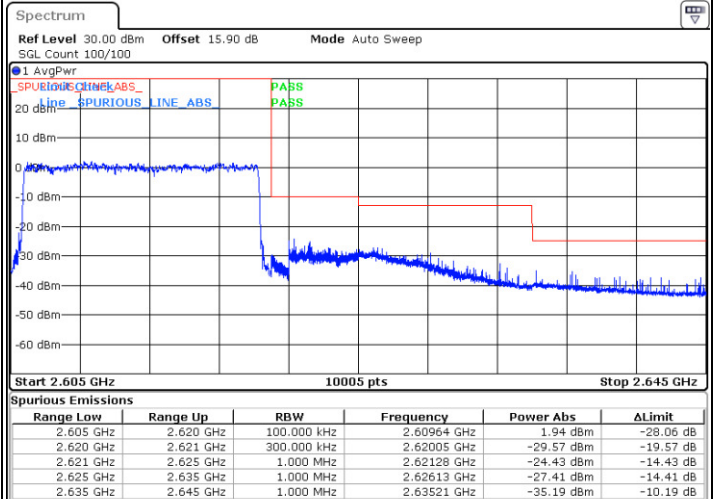
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



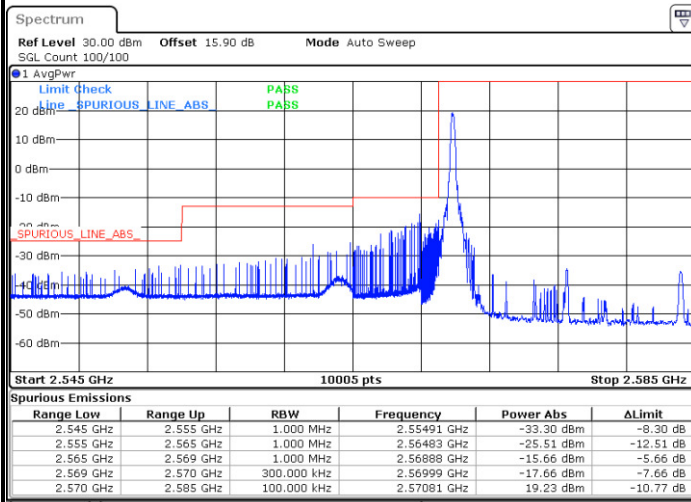
## Highest Band Edge / Full RB



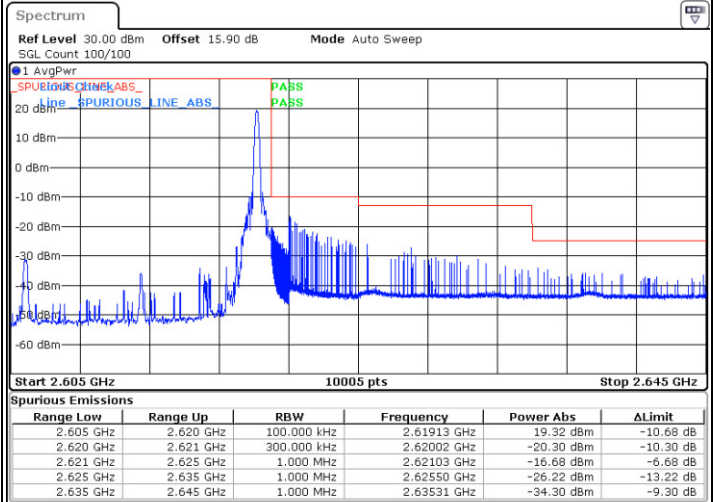


## LTE Band 38 / 15MHz / 64QAM

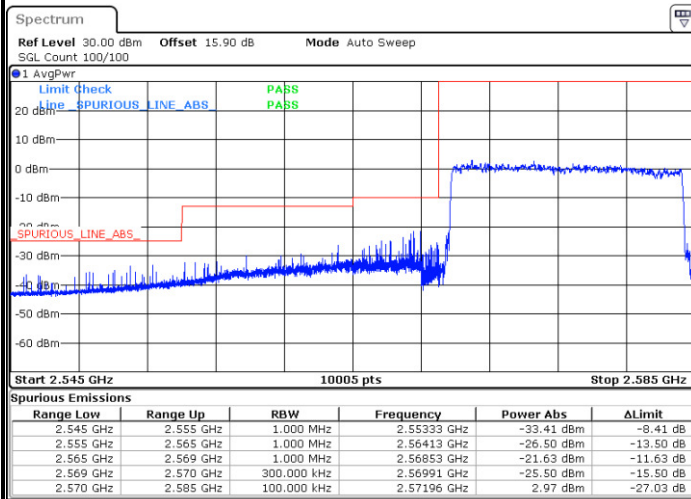
## Lowest Band Edge / 1 RB



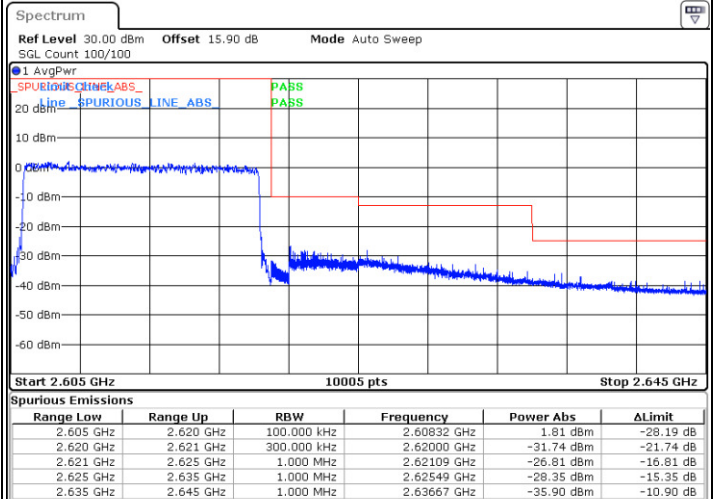
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



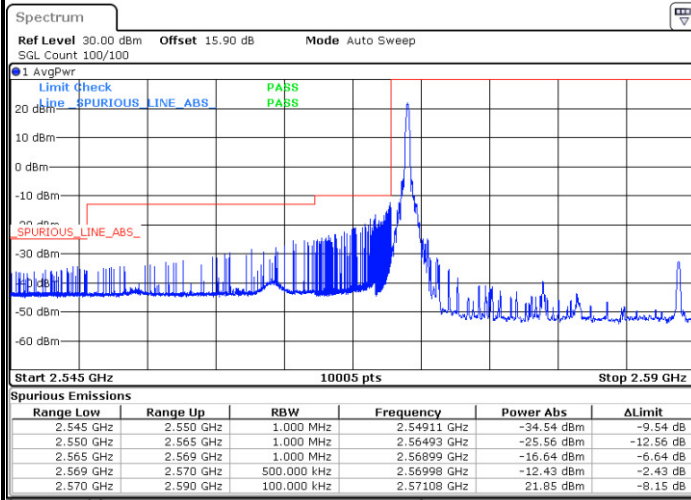
## Highest Band Edge / Full RB



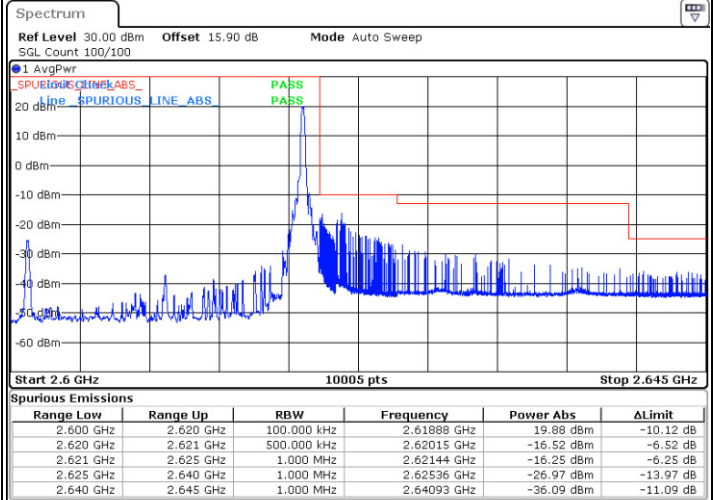


## LTE Band 38 / 20MHz / QPSK

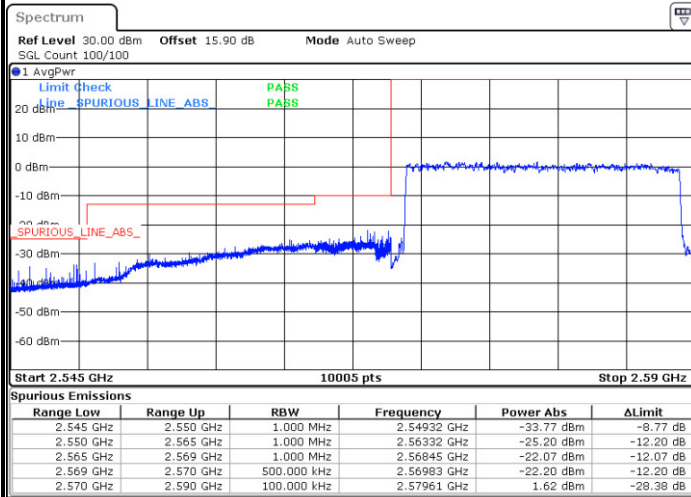
## Lowest Band Edge / 1 RB



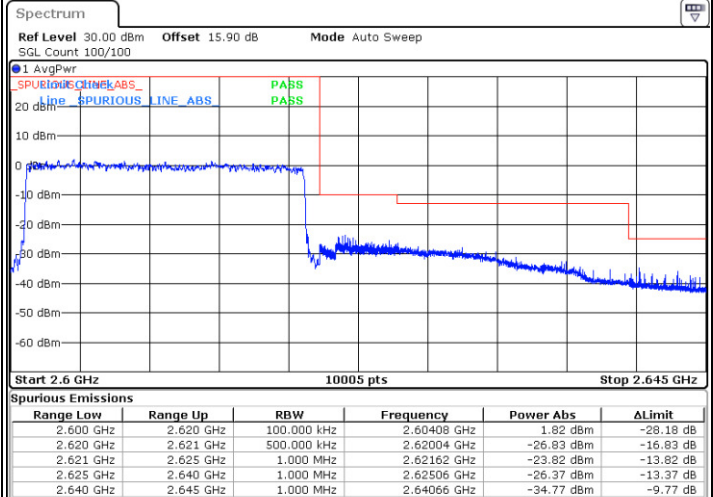
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



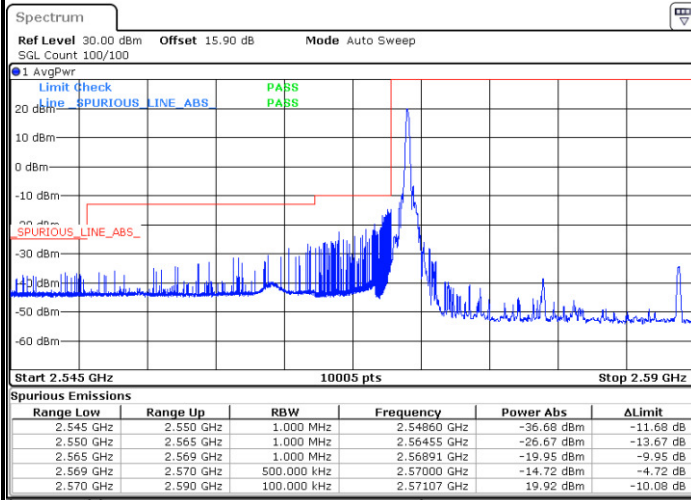
## Highest Band Edge / Full RB



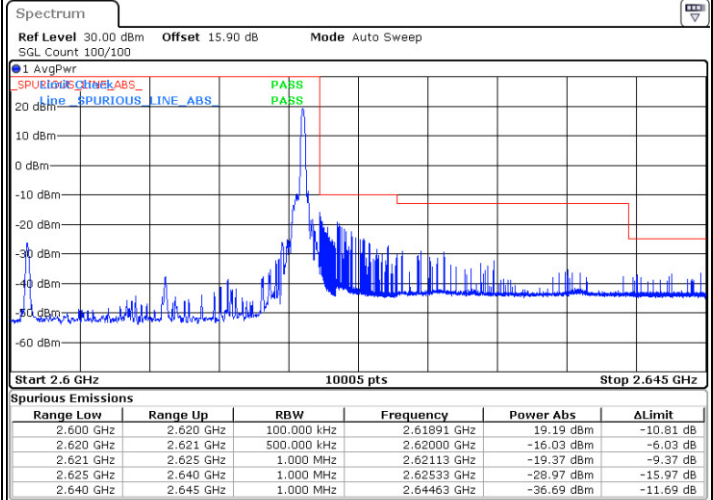


## LTE Band 38 / 20MHz / 16QAM

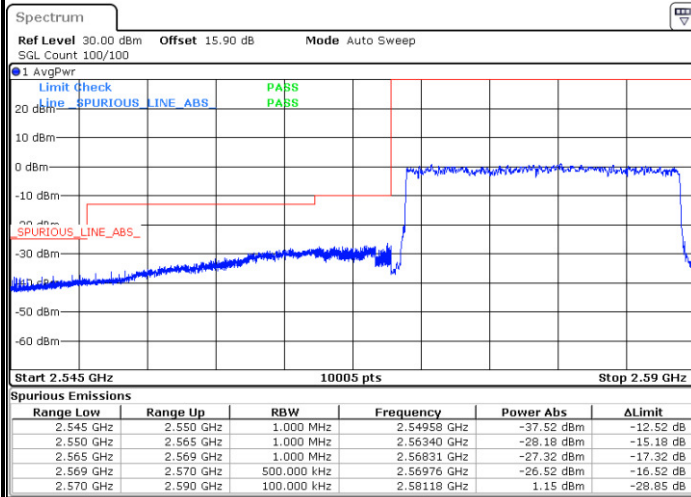
## Lowest Band Edge / 1 RB



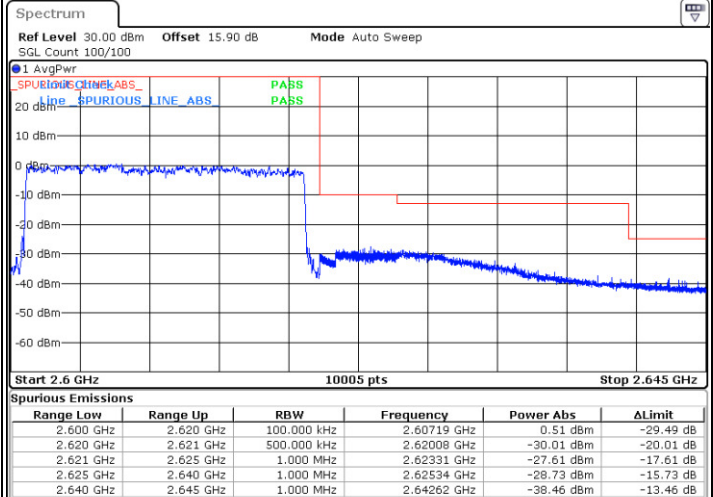
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



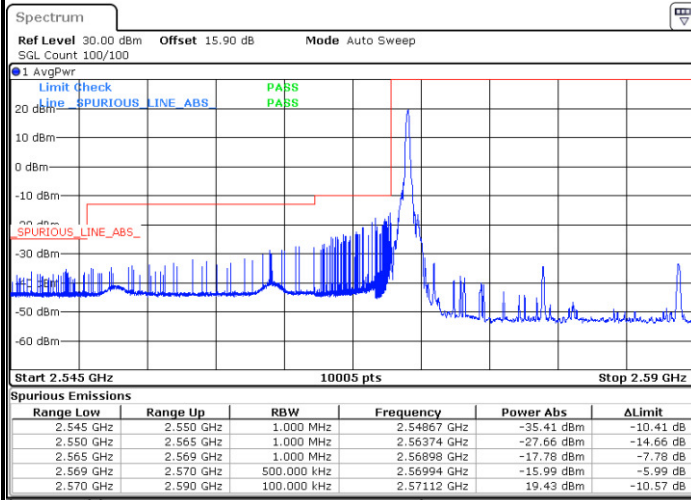
## Highest Band Edge / Full RB



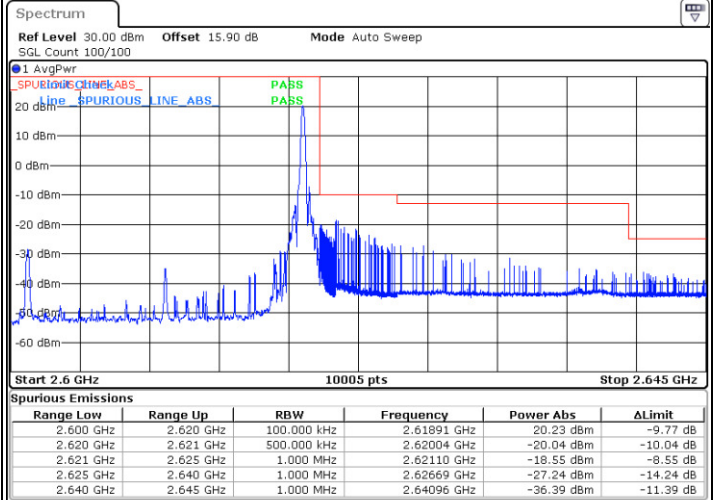


## LTE Band 38 / 20MHz / 64QAM

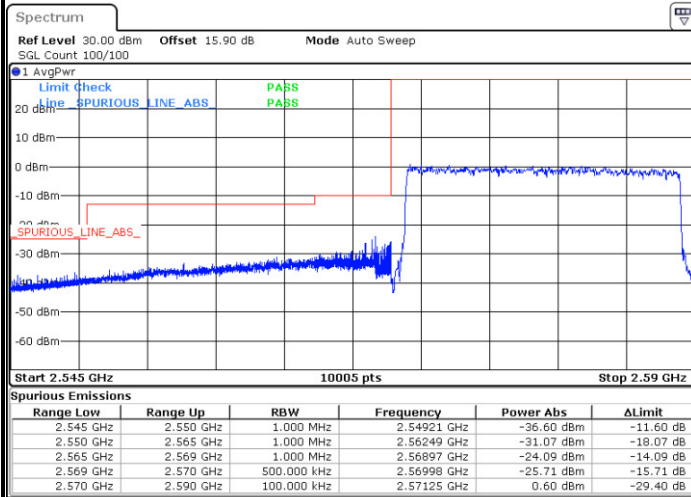
## Lowest Band Edge / 1 RB



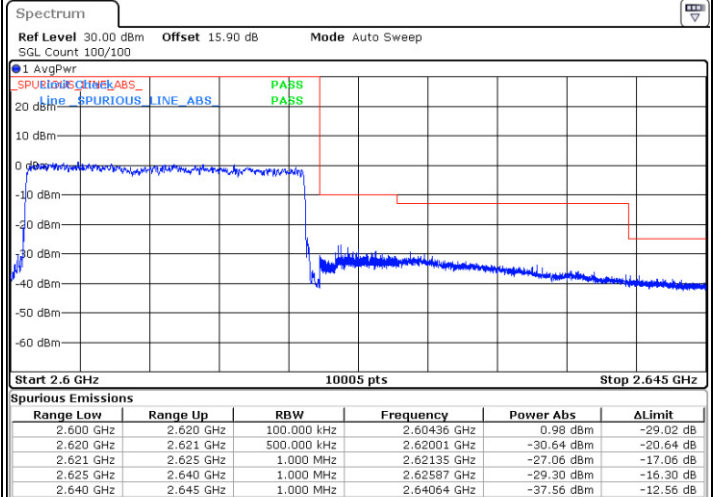
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

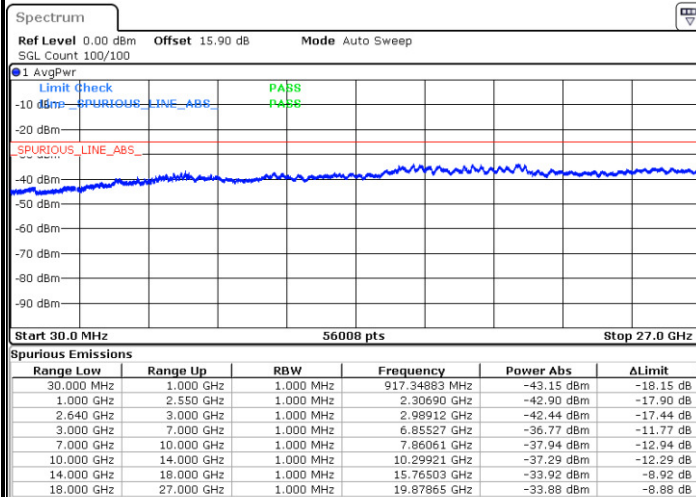




## Conducted Spurious Emission

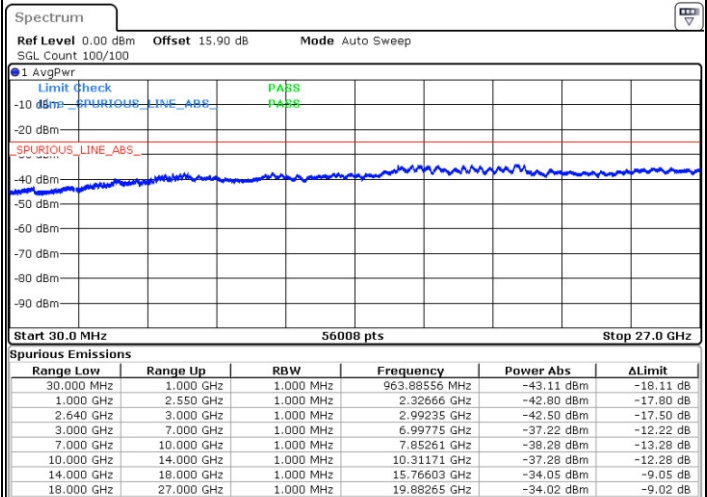
### LTE Band 38 / 5MHz

#### Lowest Channel / QPSK



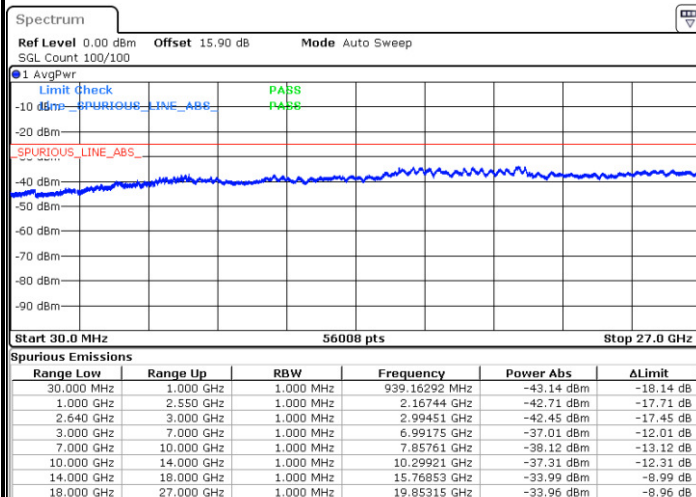
Date: 7.JAN.2018 02:53:00

#### Lowest Channel / 16QAM



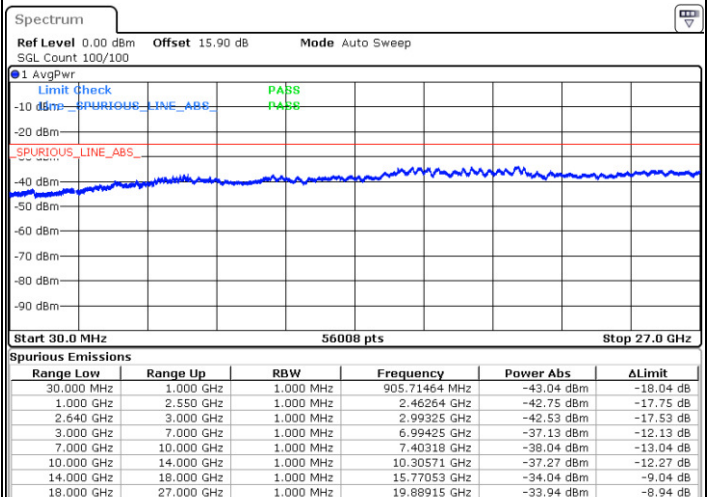
Date: 7.JAN.2018 02:53:54

#### Middle Channel / QPSK



Date: 7.JAN.2018 02:54:48

#### Middle Channel / 16QAM

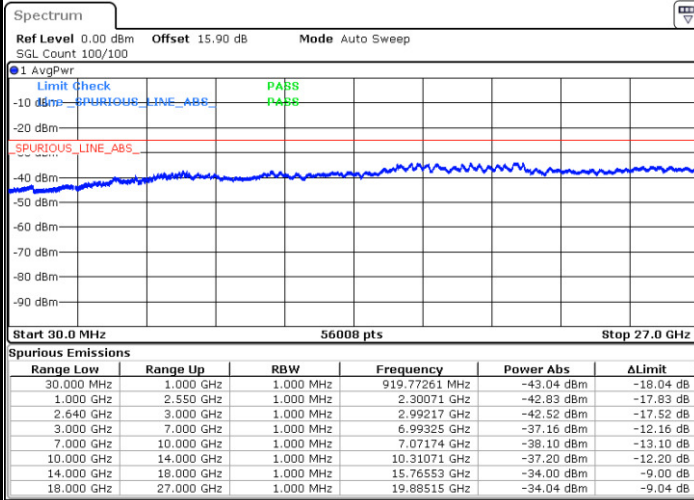


Date: 7.JAN.2018 02:55:42



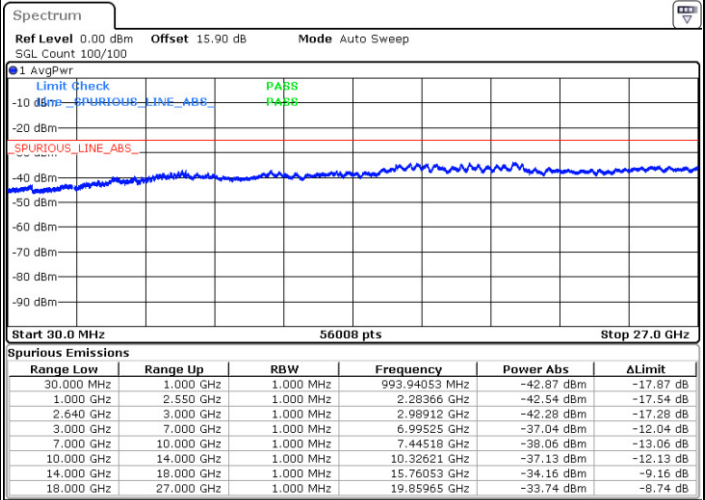
## LTE Band 38 / 5MHz

## Highest Channel / QPSK



Date: 7.JAN.2018 02:56:36

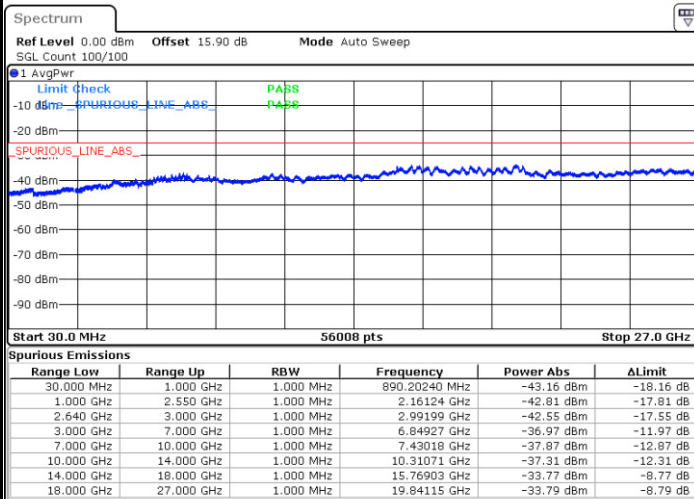
## Highest Channel / 16QAM



Date: 7.JAN.2018 02:57:31

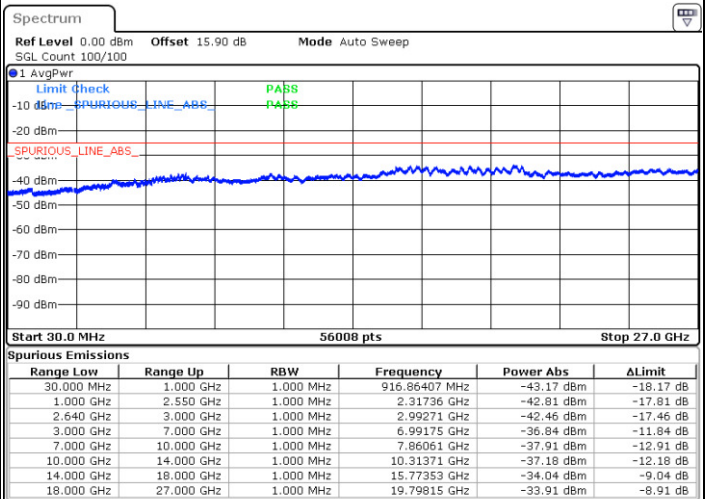
## LTE Band 38 / 10MHz

## Lowest Channel / QPSK



Date: 7.JAN.2018 02:58:25

## Lowest Channel / 16QAM

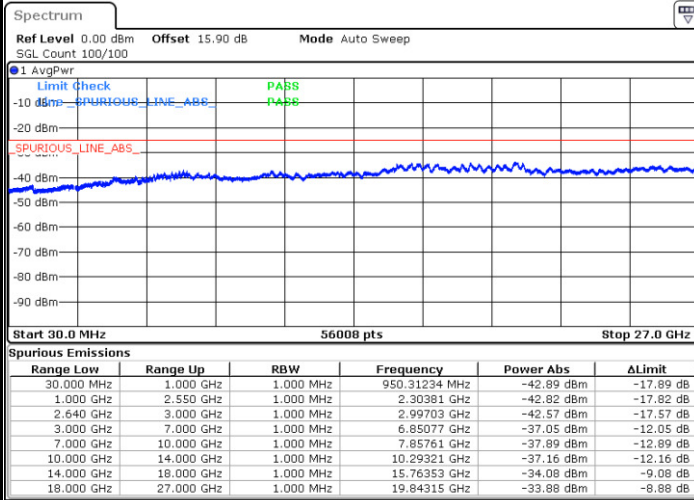


Date: 7.JAN.2018 02:59:19



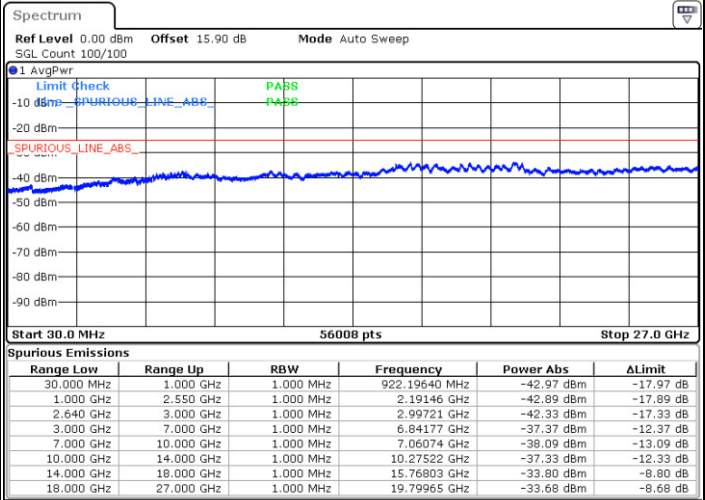
## LTE Band 38 / 10MHz

## Middle Channel / QPSK



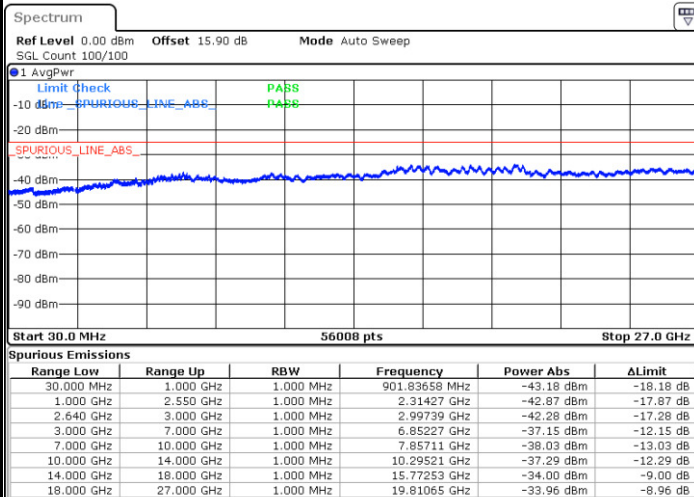
Date: 7.JAN.2018 03:00:13

## Middle Channel / 16QAM



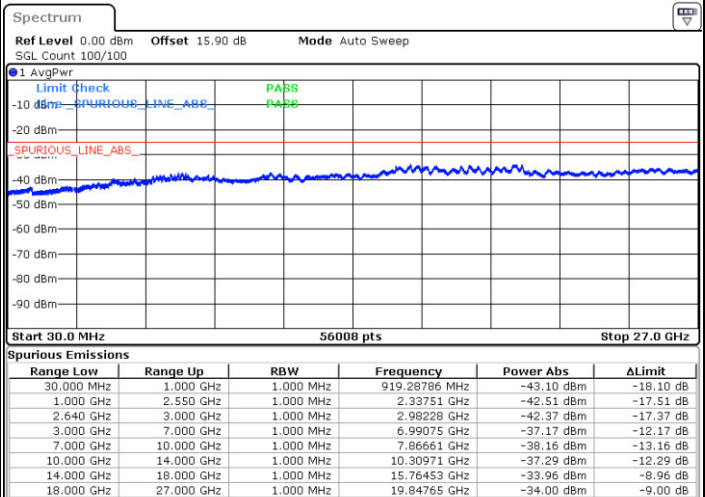
Date: 7.JAN.2018 03:01:07

## Highest Channel / QPSK



Date: 7.JAN.2018 03:02:01

## Highest Channel / 16QAM

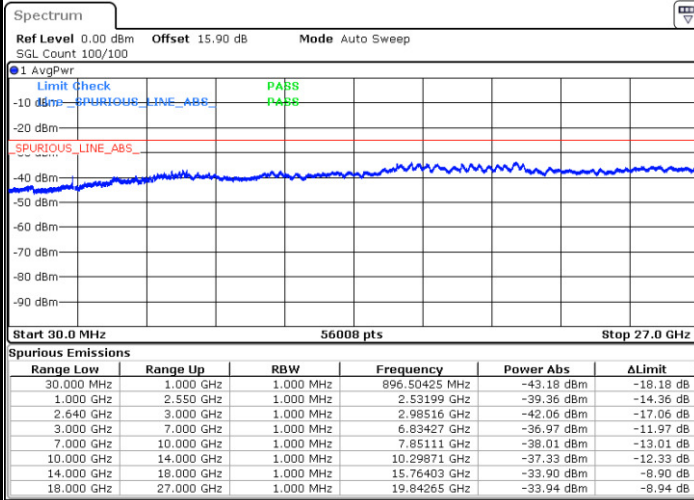


Date: 7.JAN.2018 03:02:56



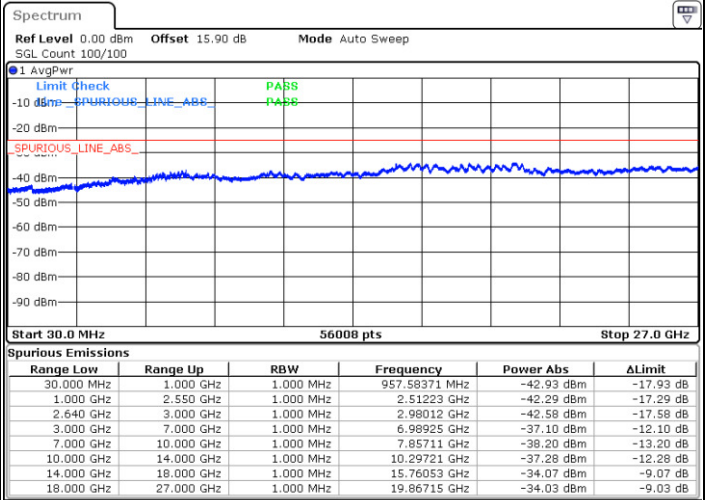
## LTE Band 38 / 15MHz

## Lowest Channel / QPSK



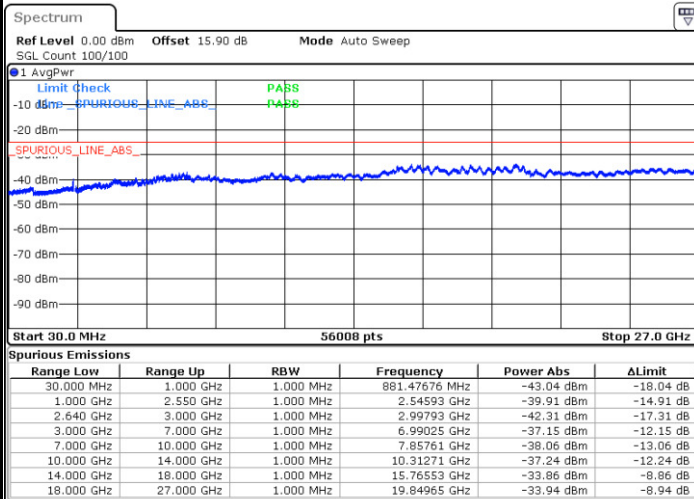
Date: 7.JAN.2018 03:03:50

## Lowest Channel / 16QAM



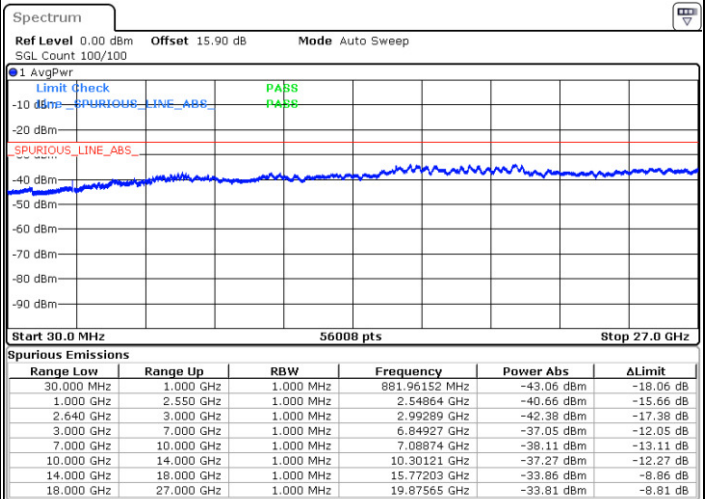
Date: 7.JAN.2018 03:04:44

## Middle Channel / QPSK



Date: 7.JAN.2018 03:05:38

## Middle Channel / 16QAM

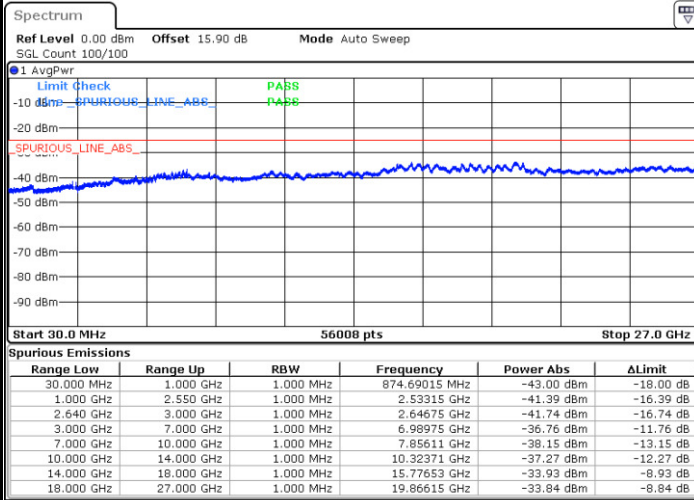


Date: 7.JAN.2018 03:06:32



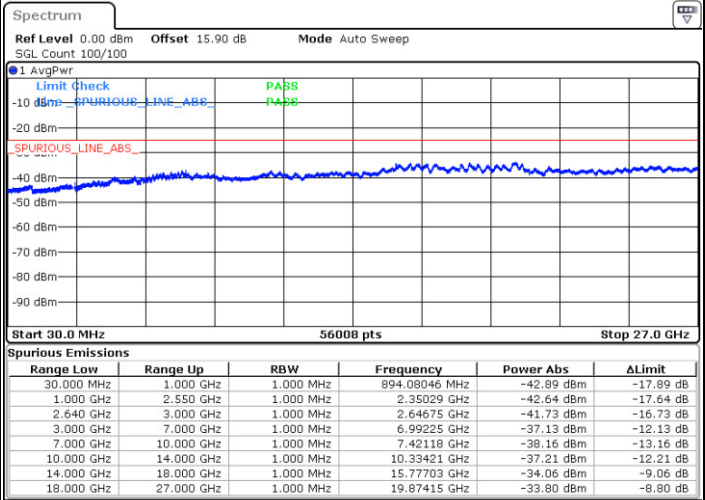
## LTE Band 38 / 15MHz

## Highest Channel / QPSK



Date: 7.JAN.2018 03:07:26

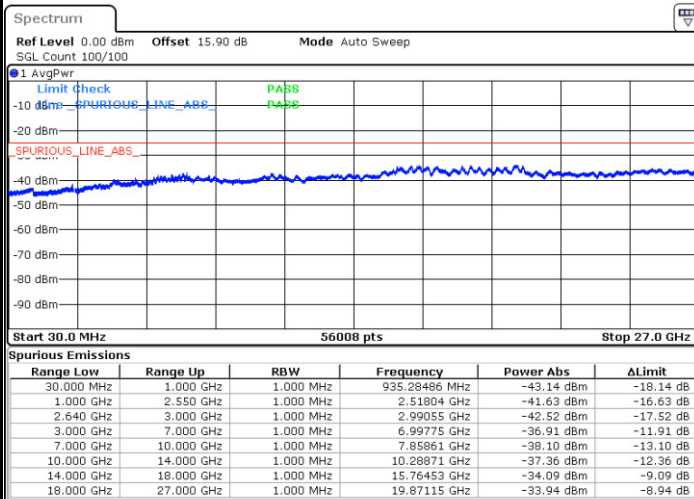
## Highest Channel / 16QAM



Date: 7.JAN.2018 03:08:20

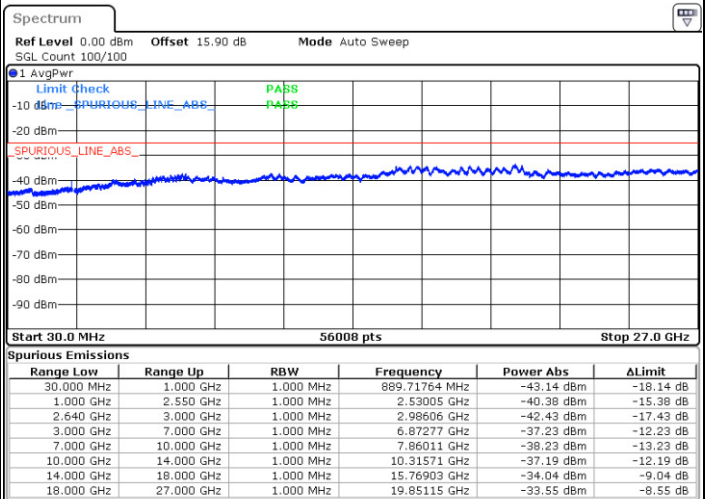
## LTE Band 38 / 20MHz

## Lowest Channel / QPSK



Date: 7.JAN.2018 03:09:14

## Lowest Channel / 16QAM

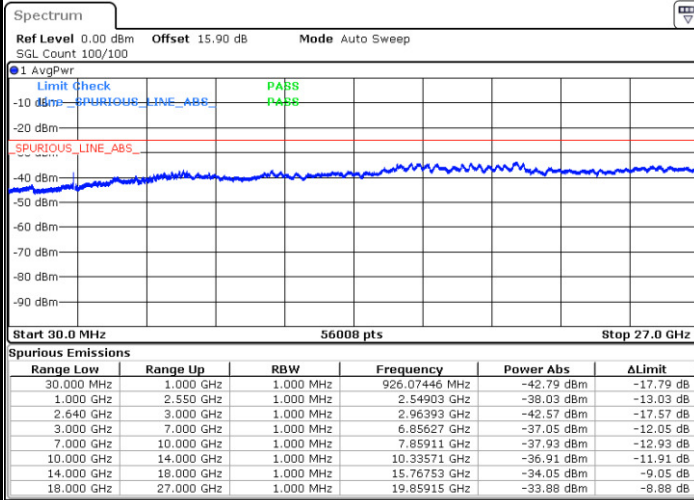


Date: 7.JAN.2018 03:10:09



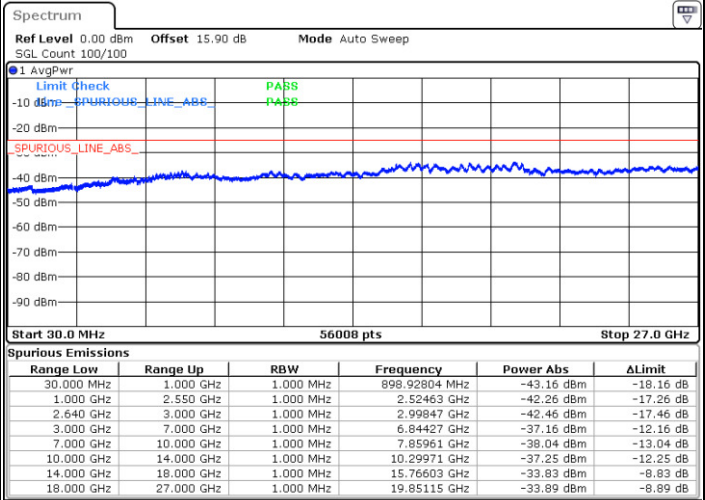
## LTE Band 38 / 20MHz

## Middle Channel / QPSK



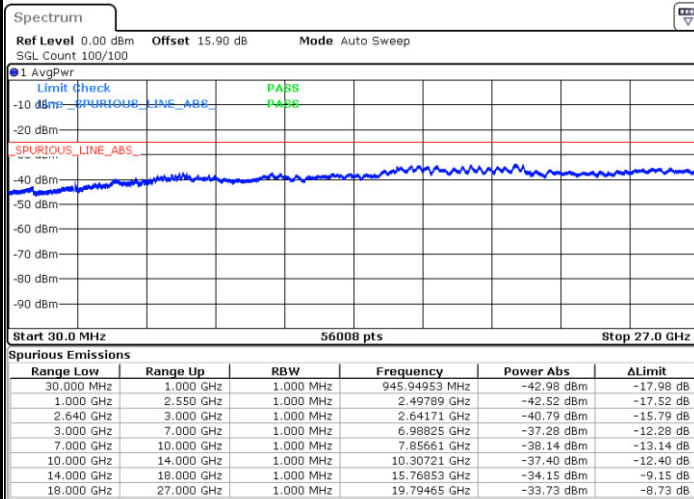
Date: 7.JAN.2018 03:11:03

## Middle Channel / 16QAM



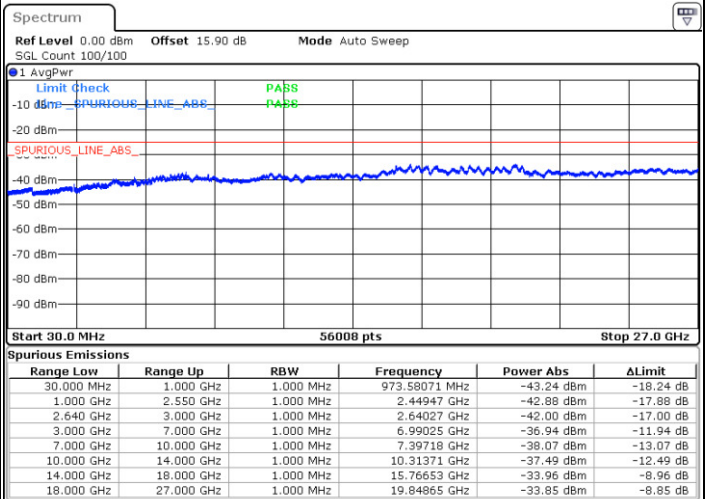
Date: 7.JAN.2018 03:11:57

## Highest Channel / QPSK



Date: 7.JAN.2018 03:12:51

## Highest Channel / 16QAM

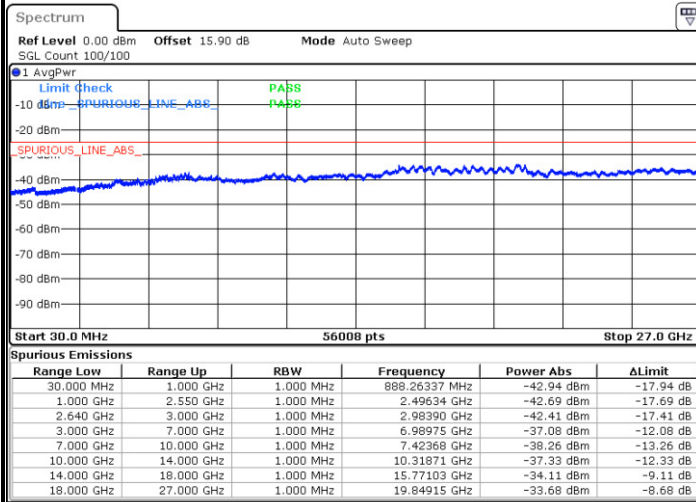


Date: 7.JAN.2018 03:13:46



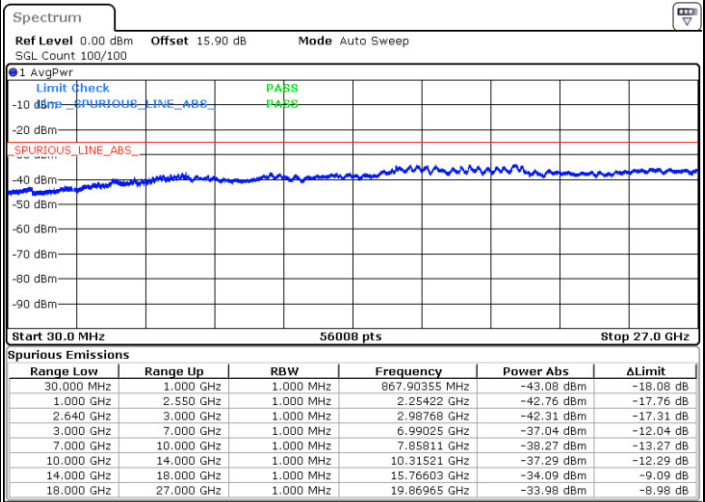
## LTE Band 38 / 5MHz

## Lowest Channel / 64QAM



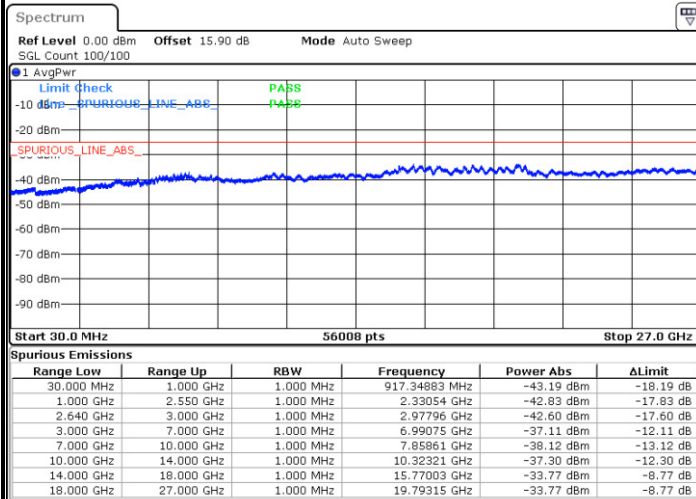
Date: 2 FEB 2018 01:05:54

## Middle Channel / 64QAM



Date: 2 FEB 2018 01:06:49

## Highest Channel / 64QAM

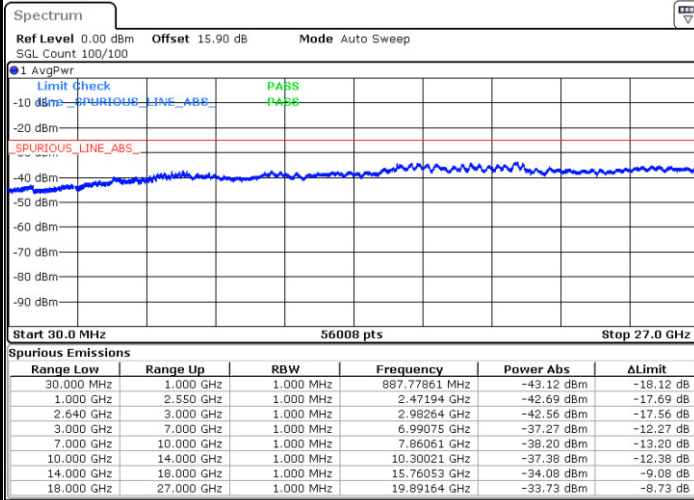


Date: 2 FEB 2018 01:07:43



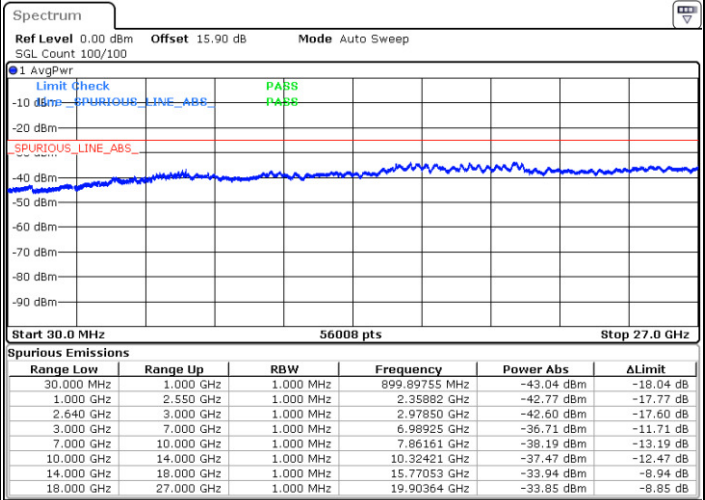
## LTE Band 38 / 10MHz

## Lowest Channel / 64QAM



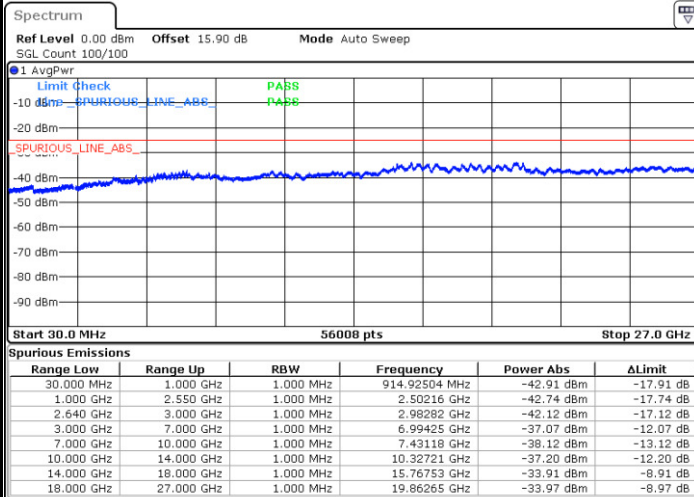
Date: 2 FEB 2018 01:08:37

## Middle Channel / 64QAM



Date: 2 FEB 2018 01:09:31

## Highest Channel / 64QAM

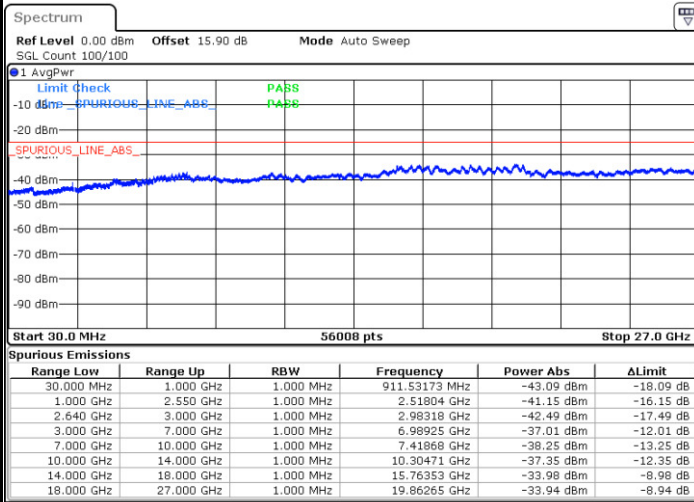


Date: 2 FEB 2018 01:10:25



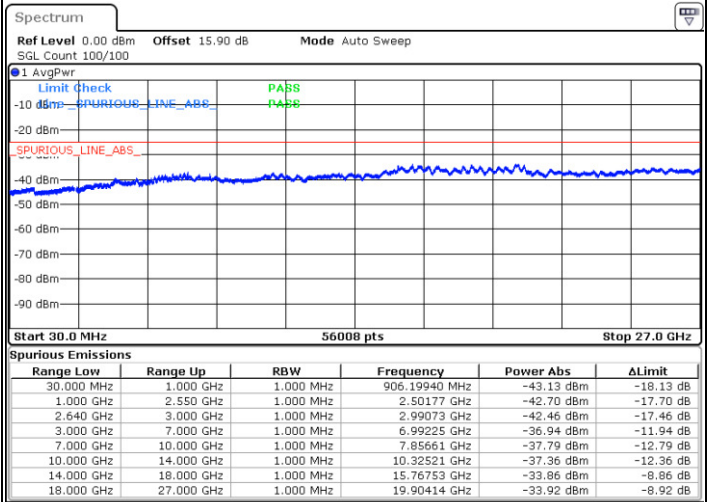
## LTE Band 38 / 15MHz

## Lowest Channel / 64QAM



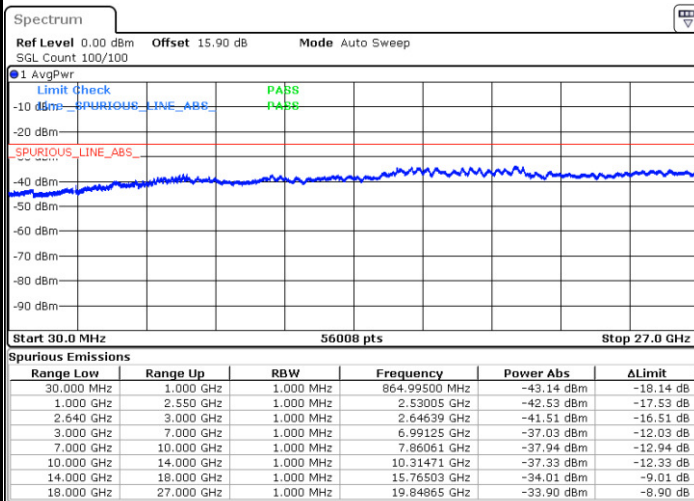
Date: 2.FEB.2018 01:11:19

## Middle Channel / 64QAM



Date: 2.FEB.2018 01:12:14

## Highest Channel / 64QAM

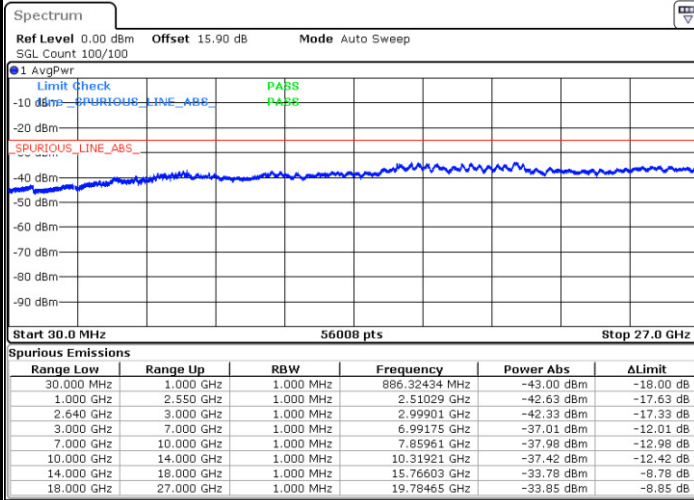


Date: 2.FEB.2018 01:13:08



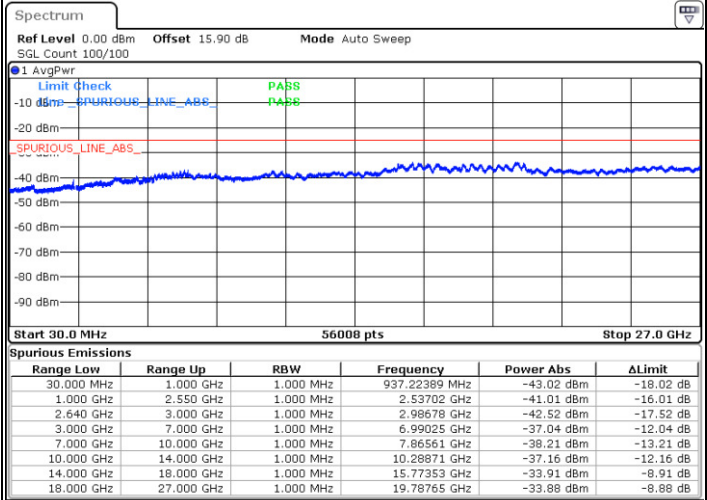
## LTE Band 38 / 20MHz

## Lowest Channel / 64QAM



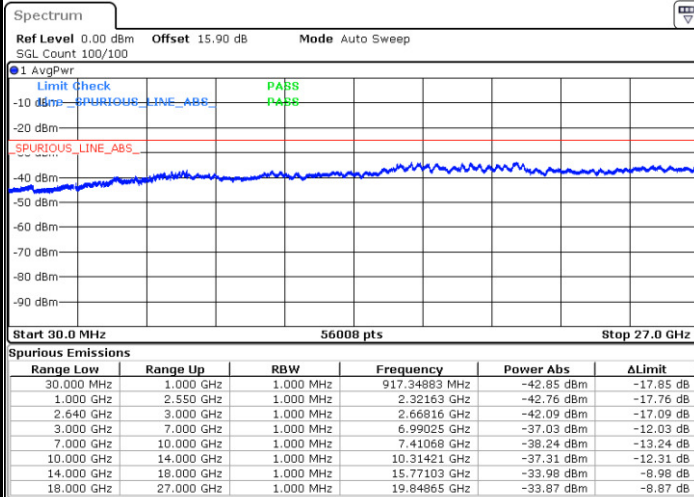
Date: 2 FEB 2018 01:14:02

## Middle Channel / 64QAM



Date: 2 FEB 2018 01:14:56

## Highest Channel / 64QAM



Date: 2 FEB 2018 01:15:50

## Frequency Stability

| Test Conditions  |                   | LTE Band 38 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0017                              | PASS    |
| 40               | Normal Voltage    | 0.0001                              |         |
| 30               | Normal Voltage    | 0.0011                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0032                              |         |
| 0                | Normal Voltage    | 0.0005                              |         |
| -10              | Normal Voltage    | 0.0030                              |         |
| -20              | Normal Voltage    | 0.0032                              |         |
| -30              | Normal Voltage    | 0.0007                              |         |
| 20               | Maximum Voltage   | 0.0001                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0007                              |         |

**Note:**

1. Normal Voltage =3.8 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 66

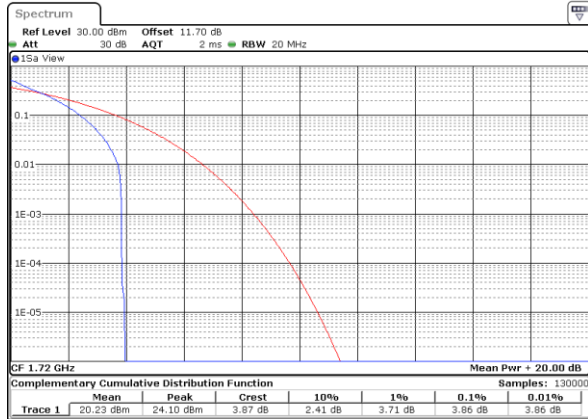
### Peak-to-Average Ratio

| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.86                | 4.67    | 4.55  | 5.65    | PASS        |
| Middle CH  | 4.17                | 4.81    | 4.9   | 5.77    |             |
| Highest CH | 3.97                | 4.93    | 4.96  | 5.86    |             |
| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.30                | 6.26    | -     | -       | PASS        |
| Middle CH  | 5.88                | 6.35    | -     | -       |             |
| Highest CH | 5.91                | 6.46    | -     | -       |             |

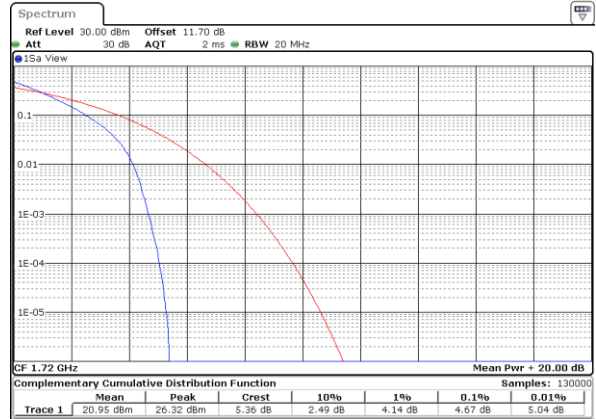


## LTE Band 66 / 20MHz / QPSK

## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB

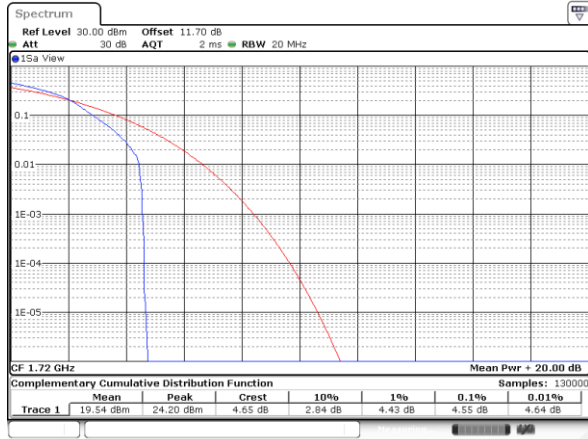


## Highest Channel / 1RB

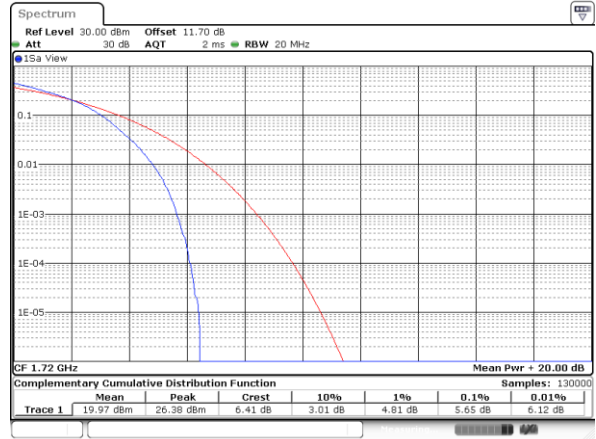


## Highest Channel / Full RB

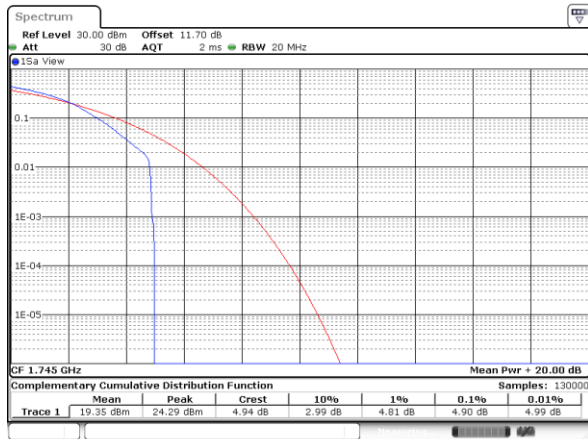


**LTE Band 66 / 20MHz / 16QAM**
**Lowest Channel / 1RB**


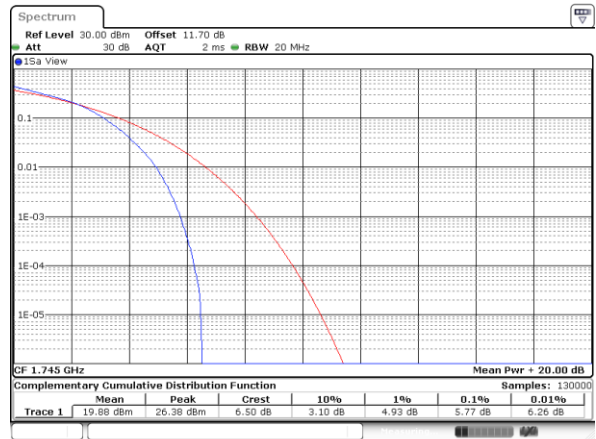
Date: 9 JAN 2018 21:33:14

**Lowest Channel / Full RB**


Date: 9 JAN 2018 21:33:23

**Middle Channel / 1RB**


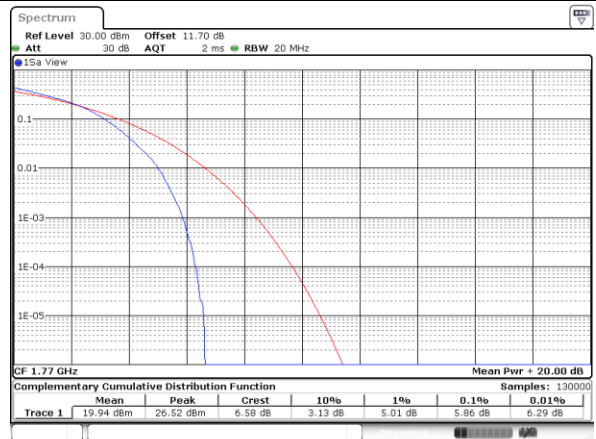
Date: 9 JAN 2018 21:33:35

**Middle Channel / Full RB**


Date: 9 JAN 2018 21:33:44

**Highest Channel / 1RB**


Date: 9 JAN 2018 21:33:55

**Highest Channel / Full RB**


Date: 9 JAN 2018 21:34:07