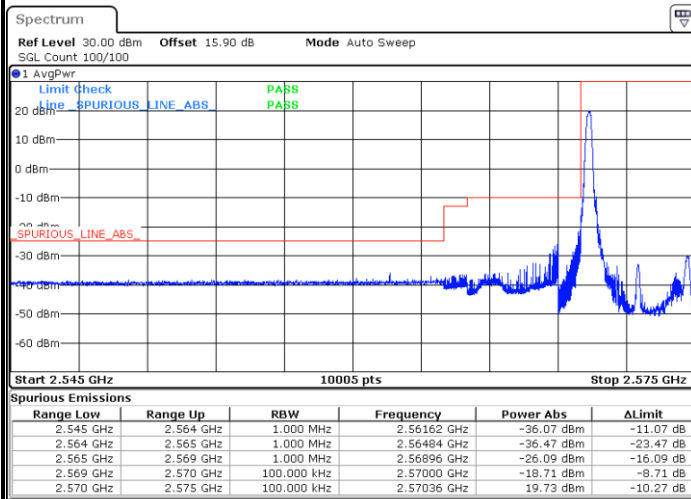
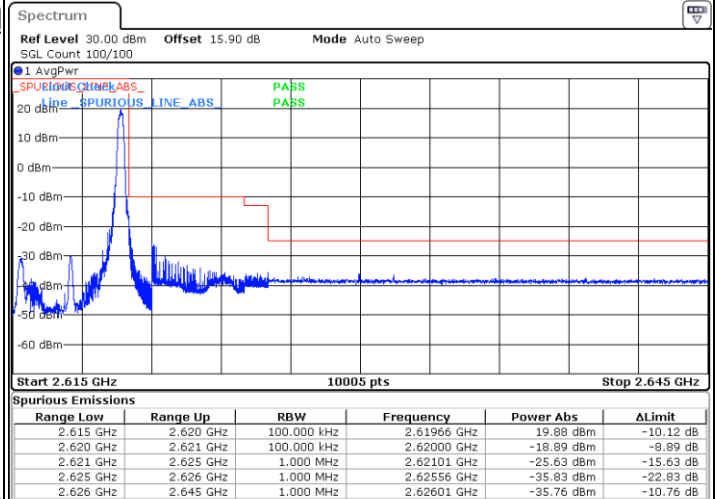
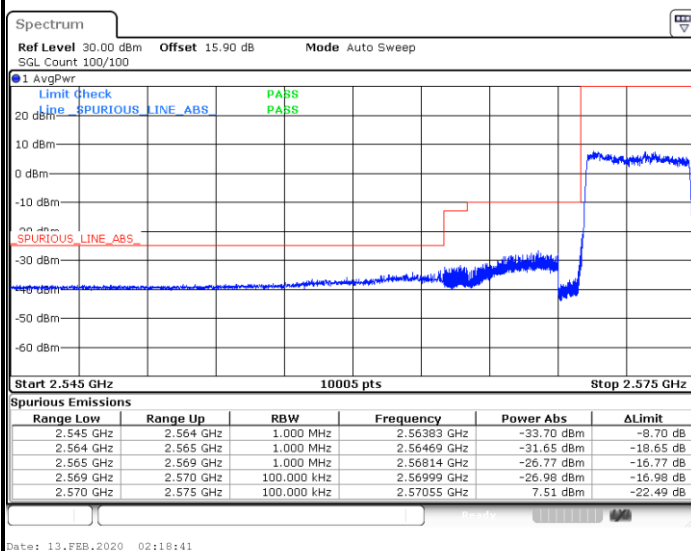
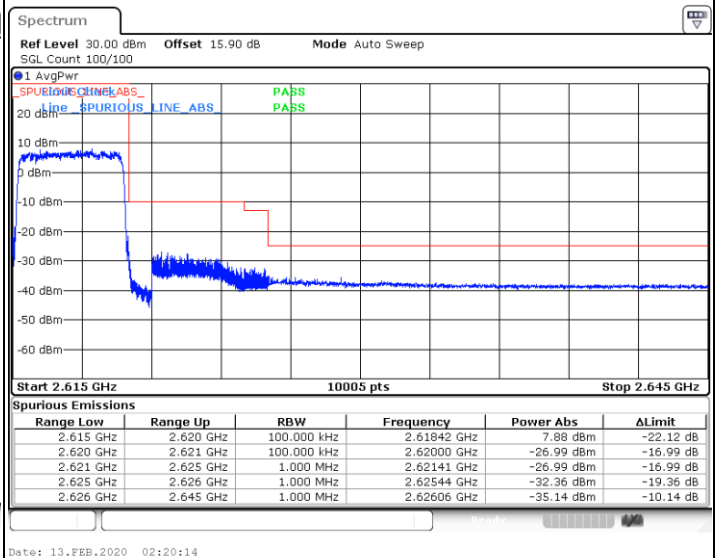
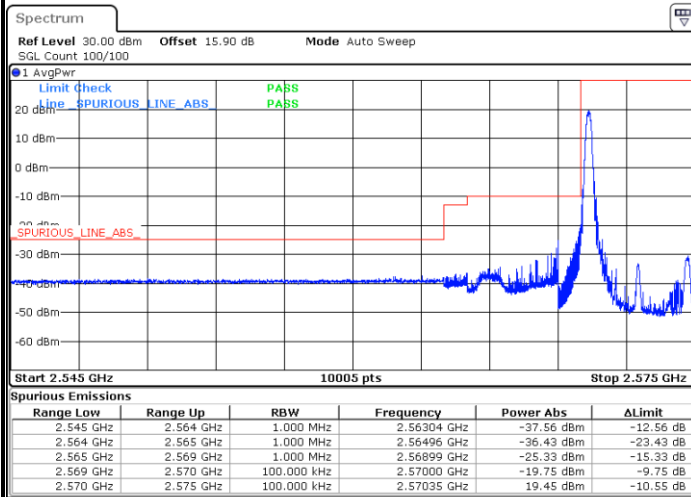


**Conducted Band Edge****LTE Band 38 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

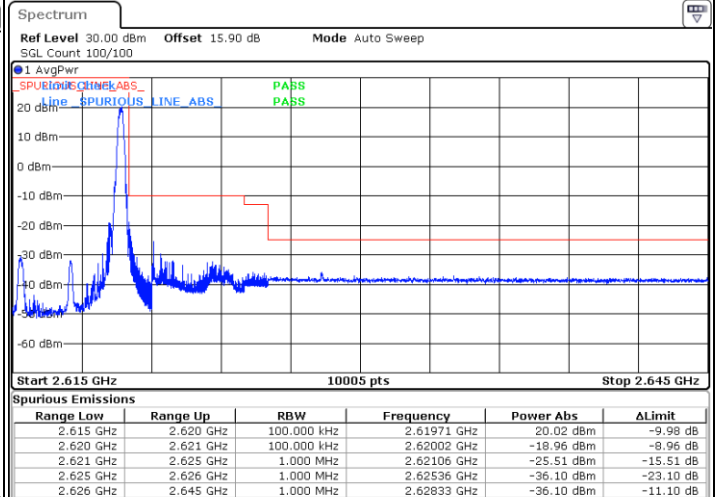


## LTE Band 38 / 5MHz / 16QAM

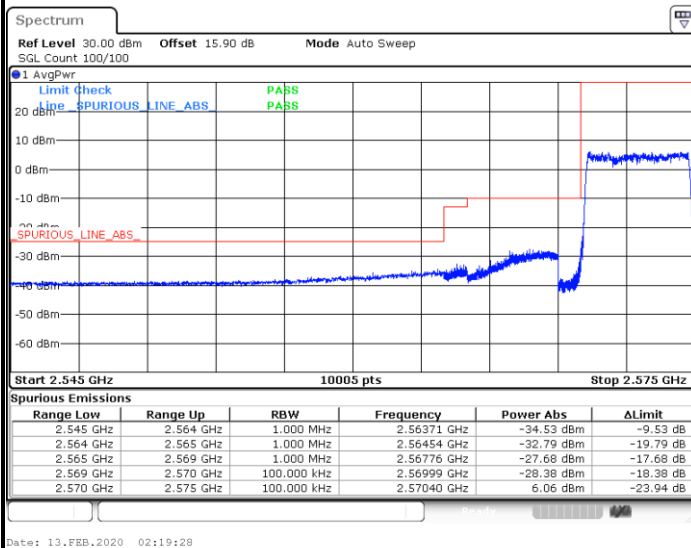
## Lowest Band Edge / 1RB



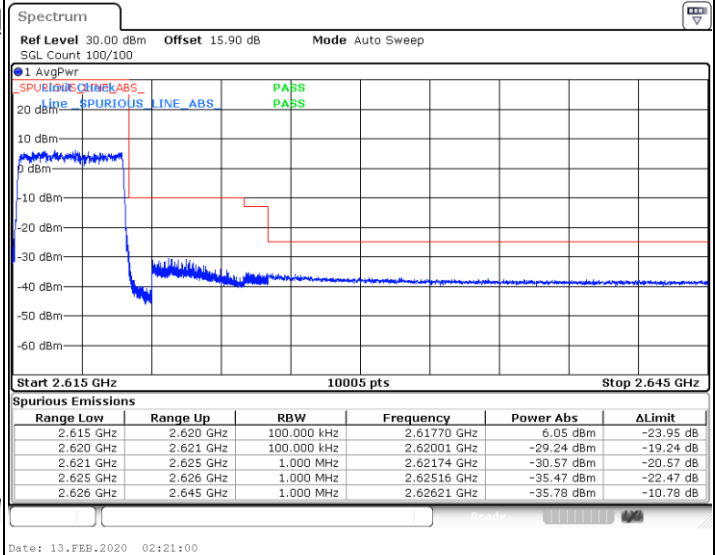
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



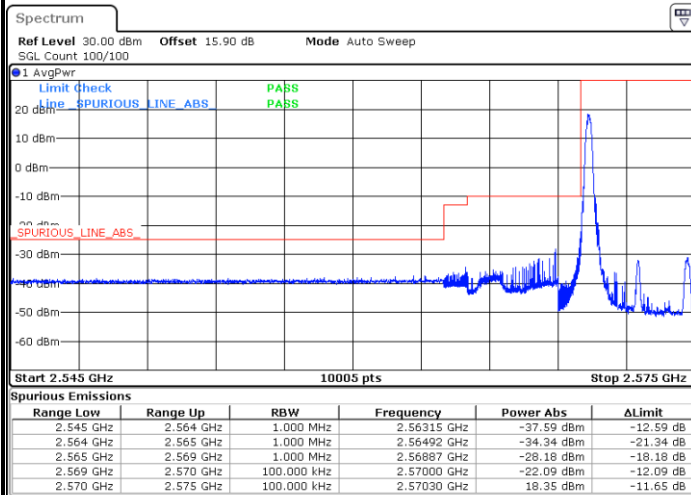
## Highest Band Edge / Full RB





## LTE Band 38 / 5MHz / 64QAM

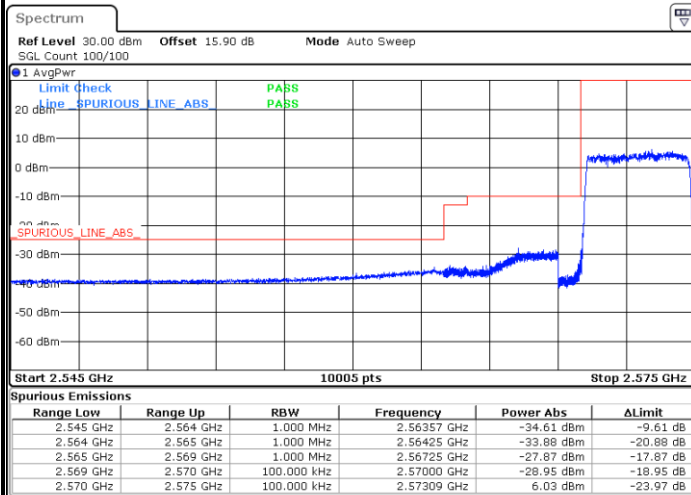
## Lowest Band Edge / 1RB



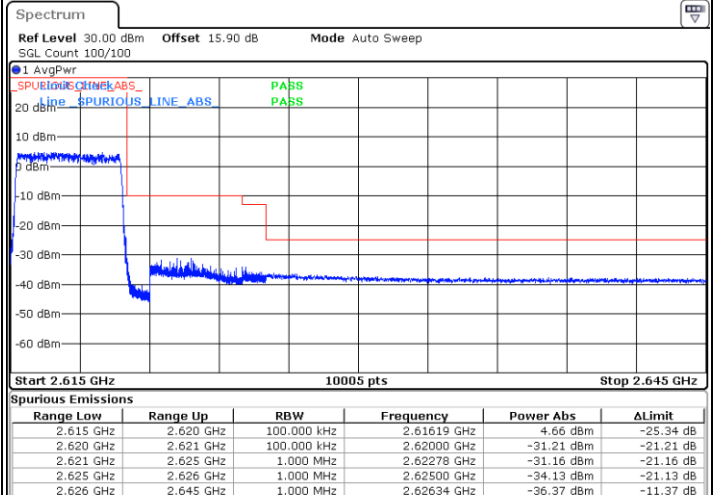
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



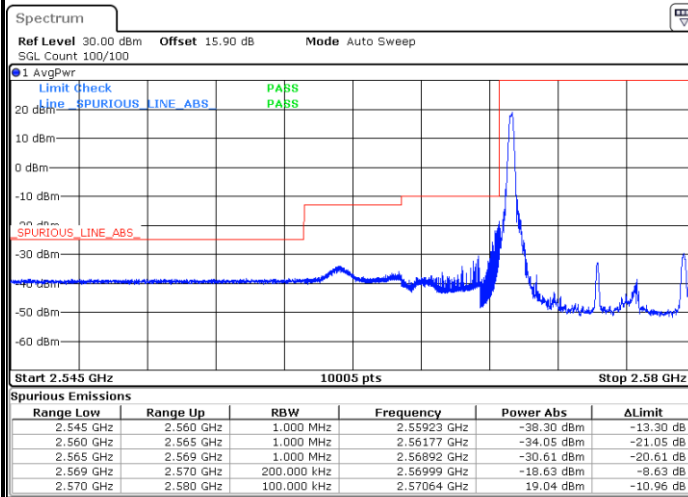
## Highest Band Edge / Full RB



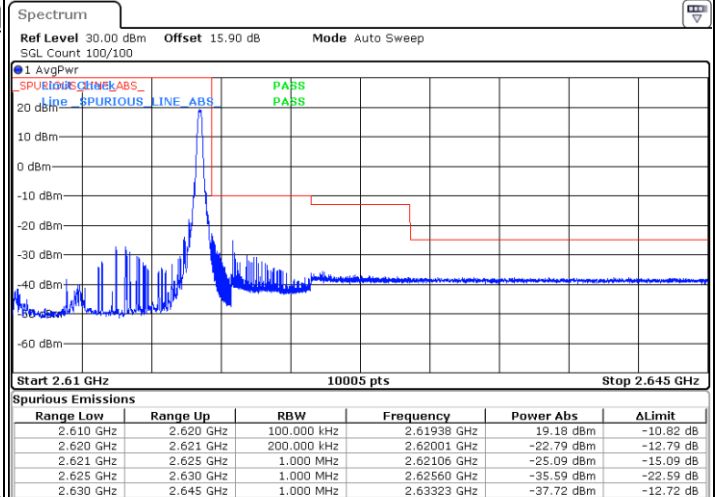


## LTE Band 38 / 10MHz / QPSK

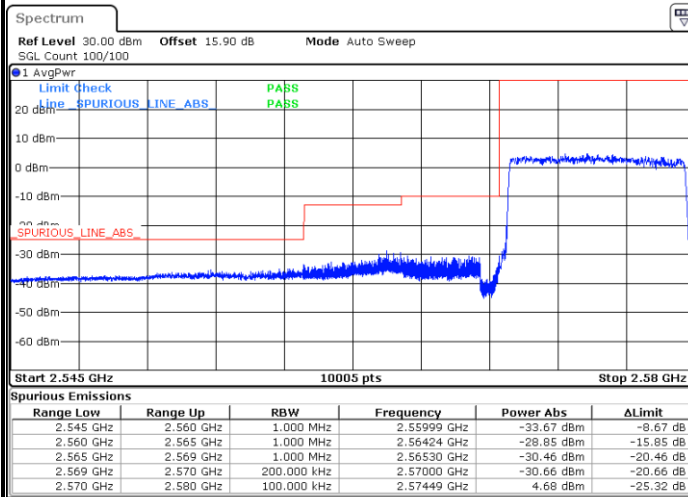
## Lowest Band Edge / 1 RB



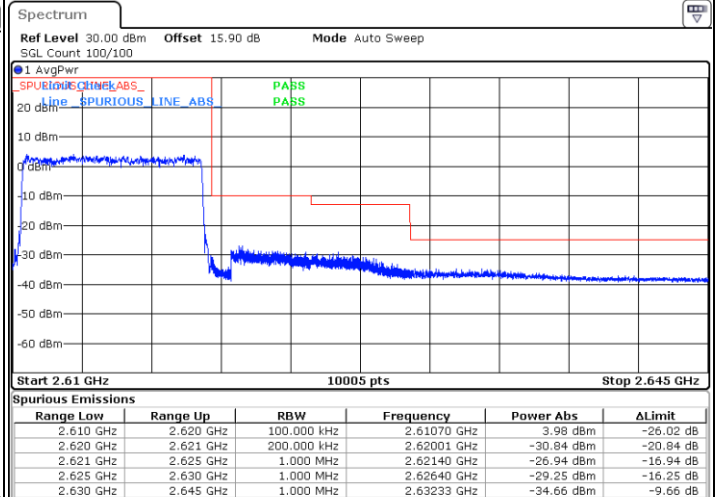
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



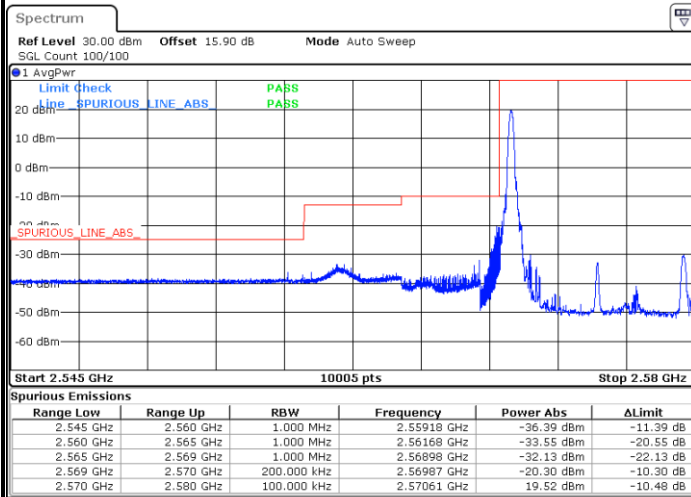
## Highest Band Edge / Full RB



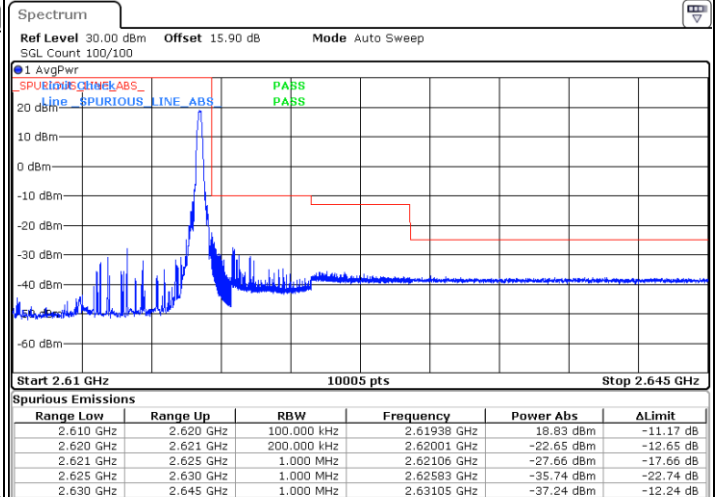


## LTE Band 38 / 10MHz / 16QAM

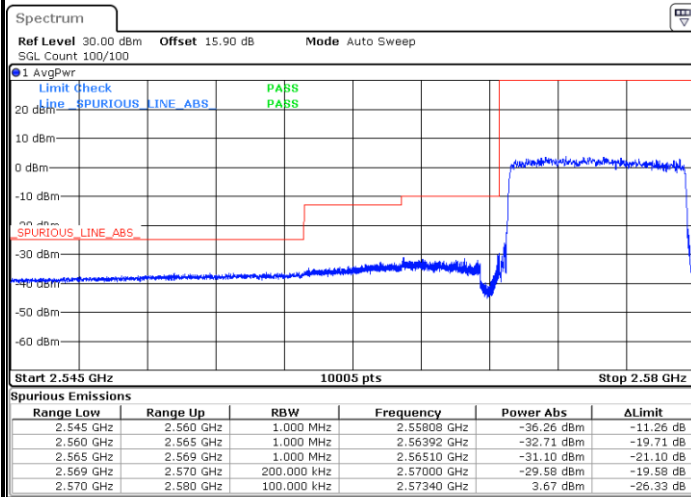
## Lowest Band Edge / 1 RB



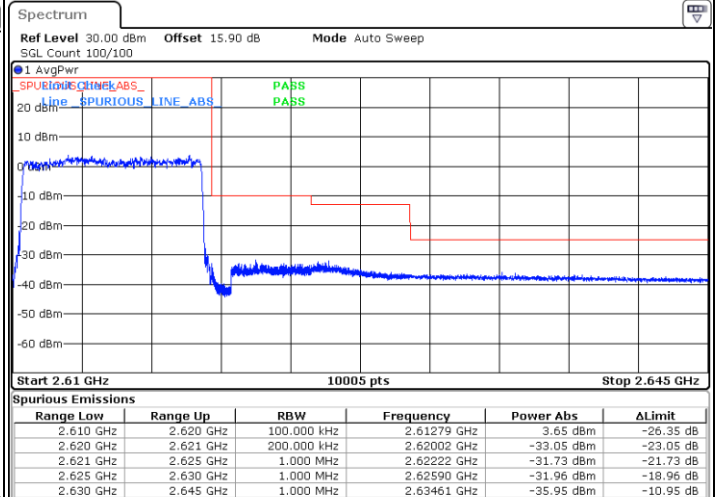
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



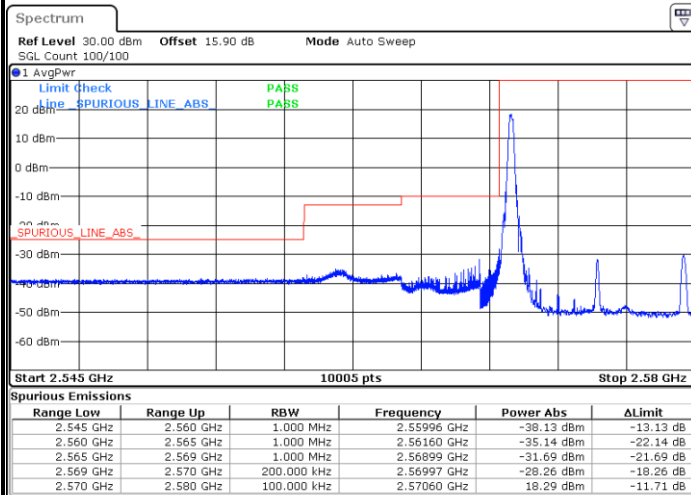
## Highest Band Edge / Full RB



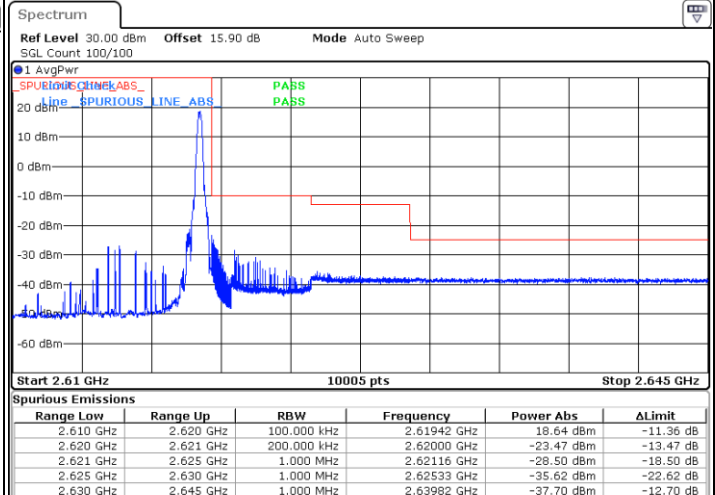


## LTE Band 38 / 10MHz / 64QAM

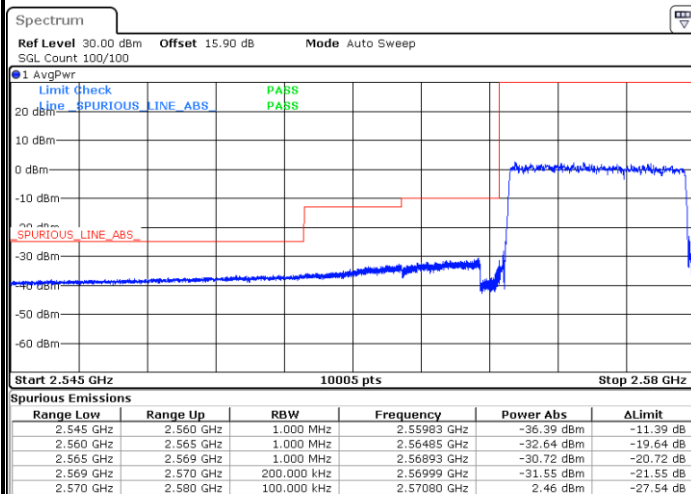
## Lowest Band Edge / 1 RB



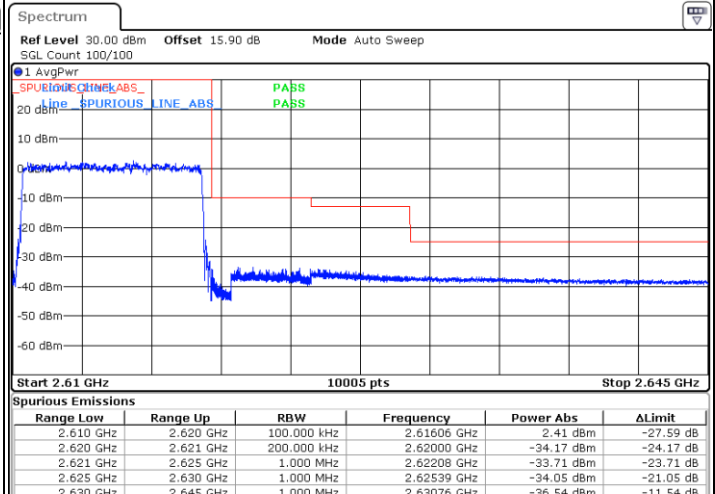
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



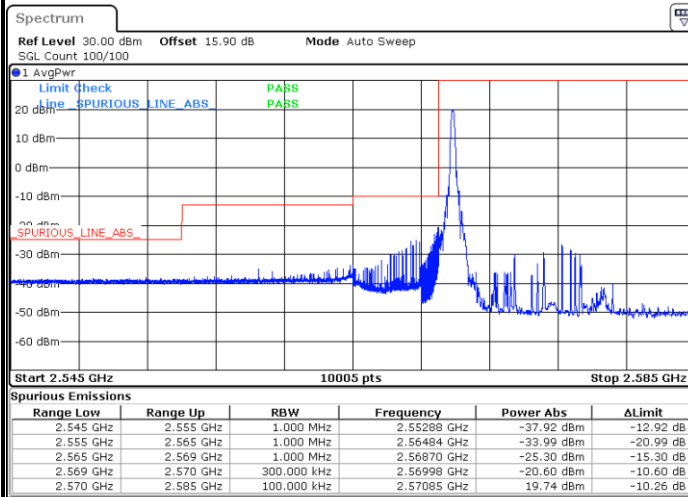
## Highest Band Edge / Full RB



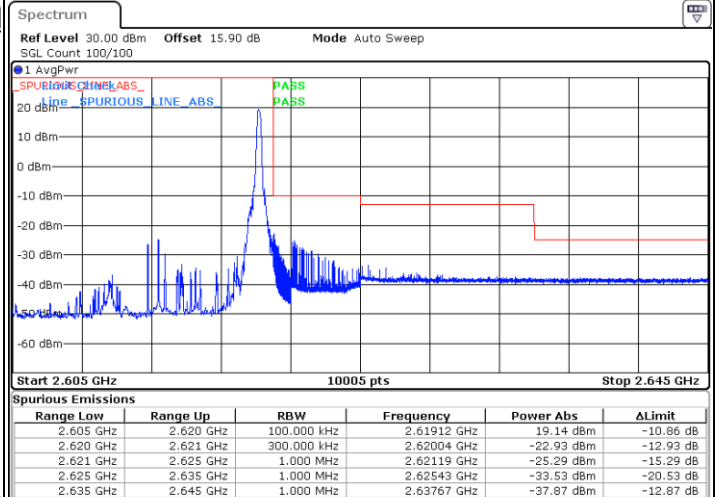


## LTE Band 38 / 15MHz / QPSK

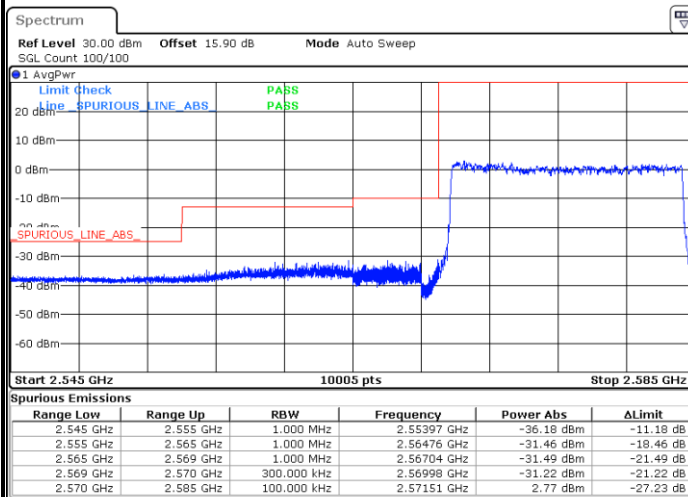
## Lowest Band Edge / 1 RB



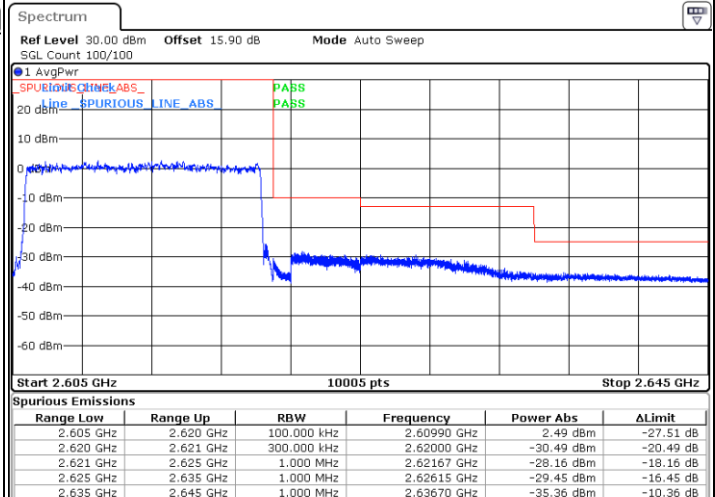
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



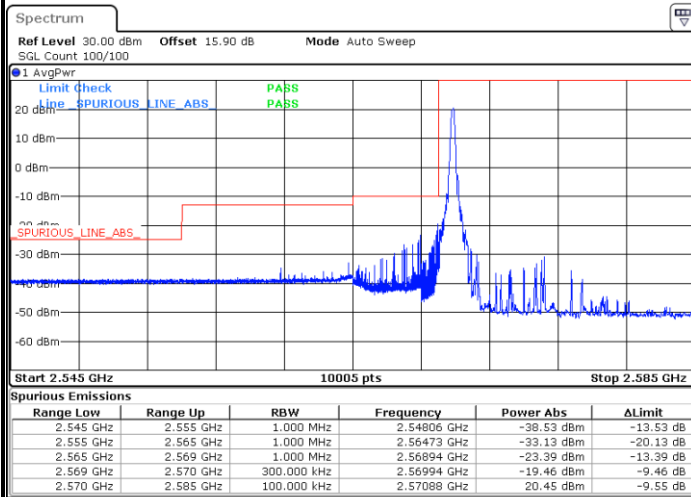
## Highest Band Edge / Full RB



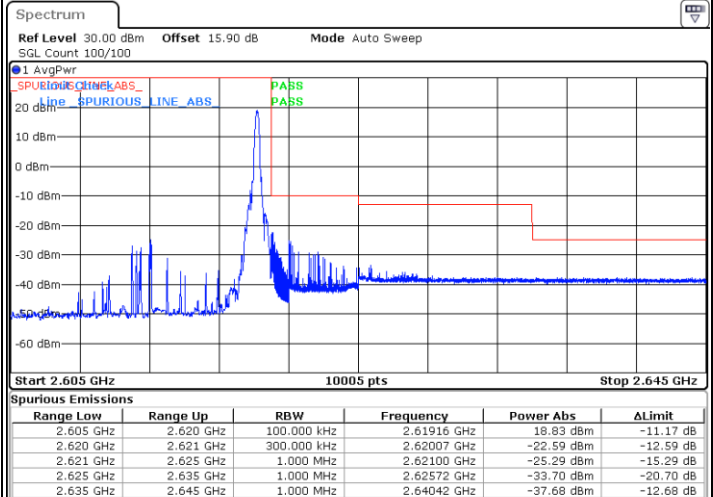


## LTE Band 38 / 15MHz / 16QAM

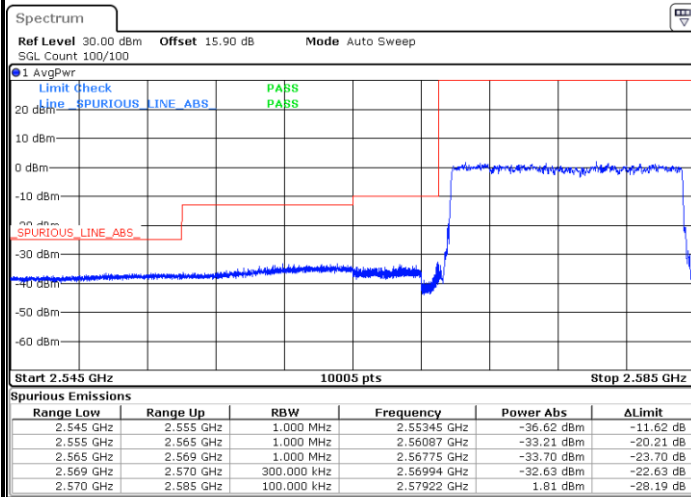
## Lowest Band Edge / 1 RB



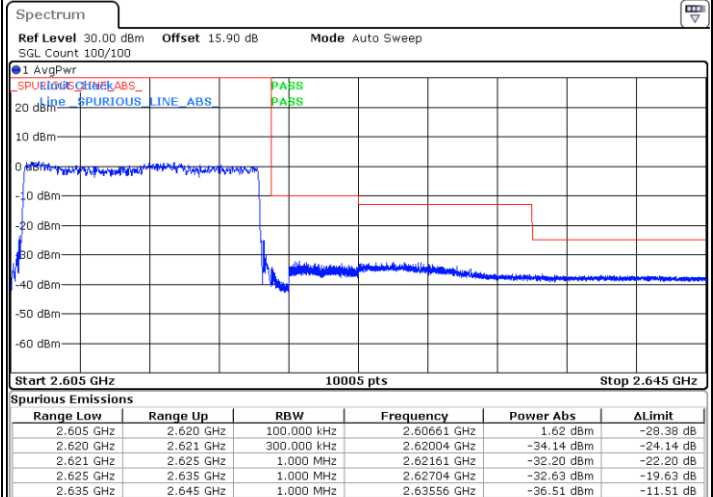
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



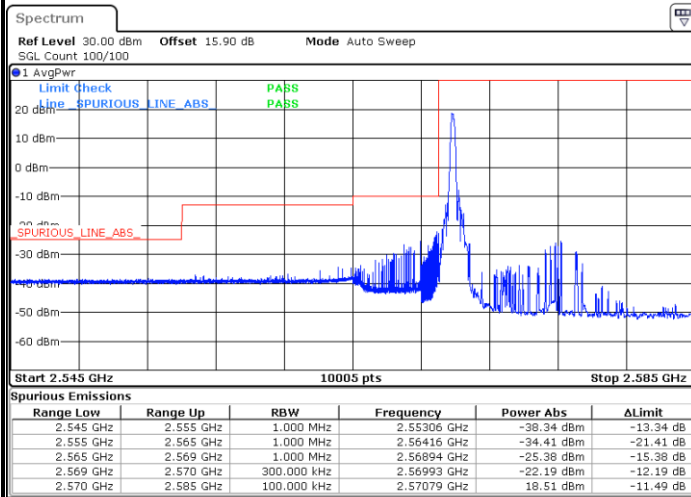
## Highest Band Edge / Full RB



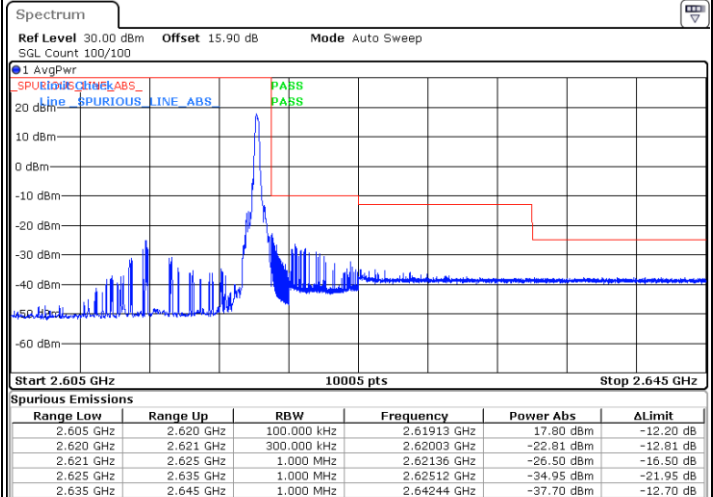


## LTE Band 38 / 15MHz / 64QAM

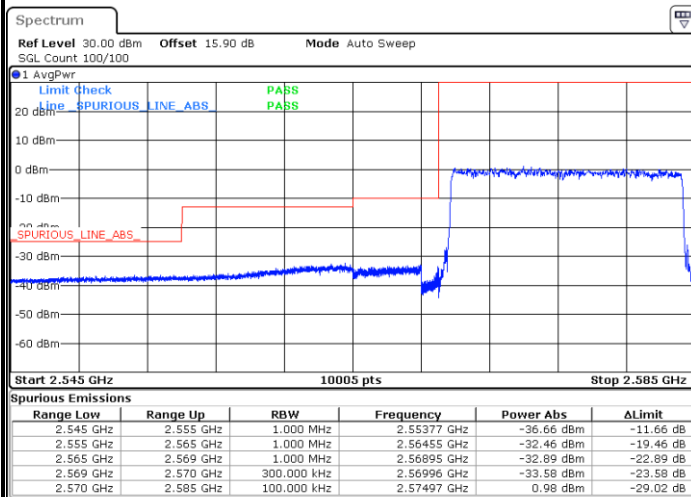
## Lowest Band Edge / 1 RB



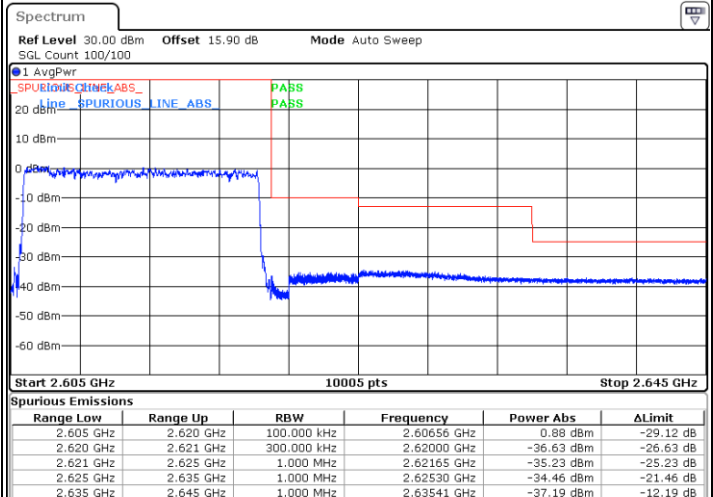
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



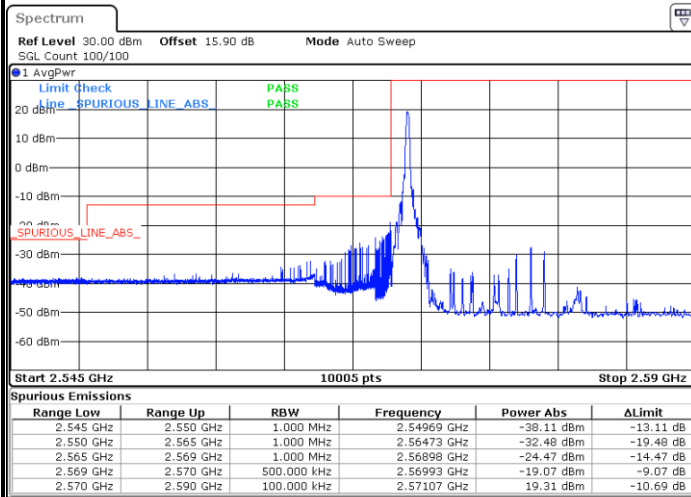
## Highest Band Edge / Full RB



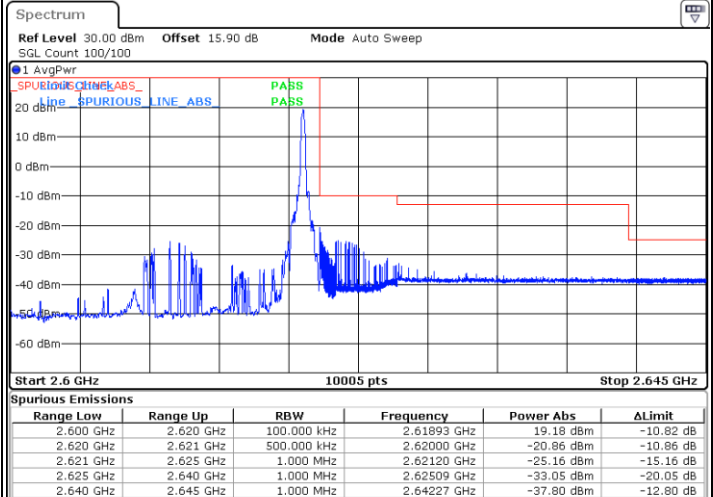


## LTE Band 38 / 20MHz / QPSK

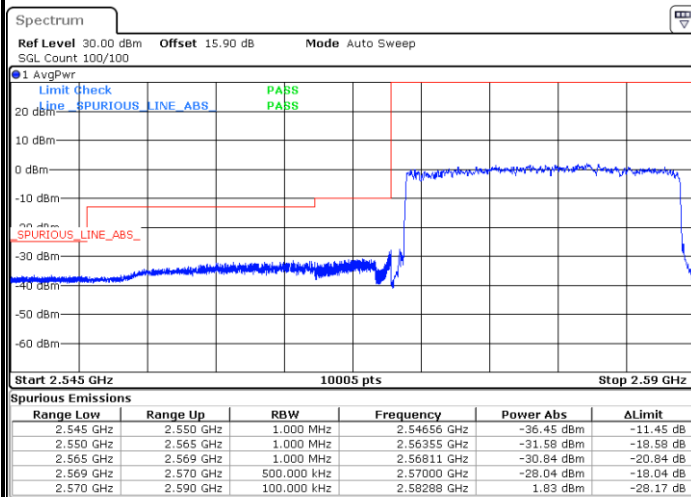
## Lowest Band Edge / 1 RB



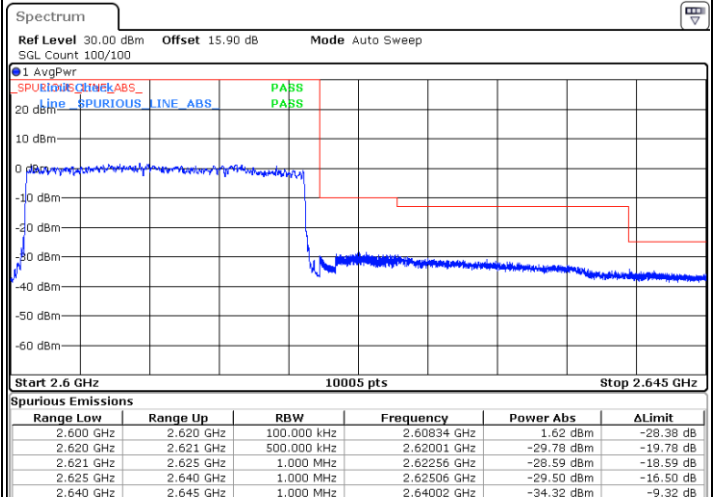
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



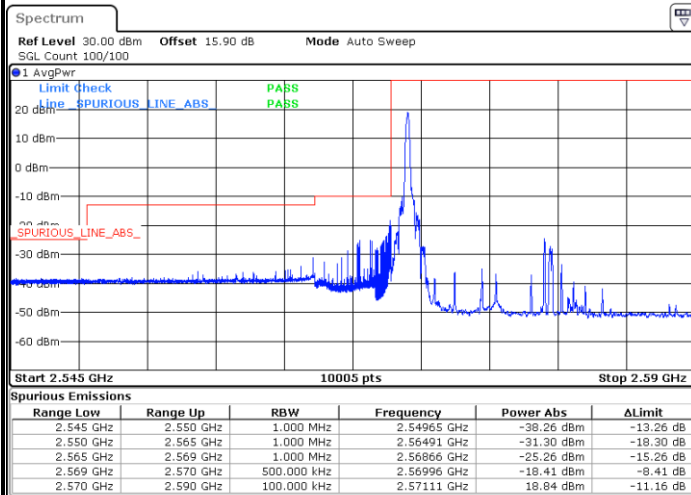
## Highest Band Edge / Full RB



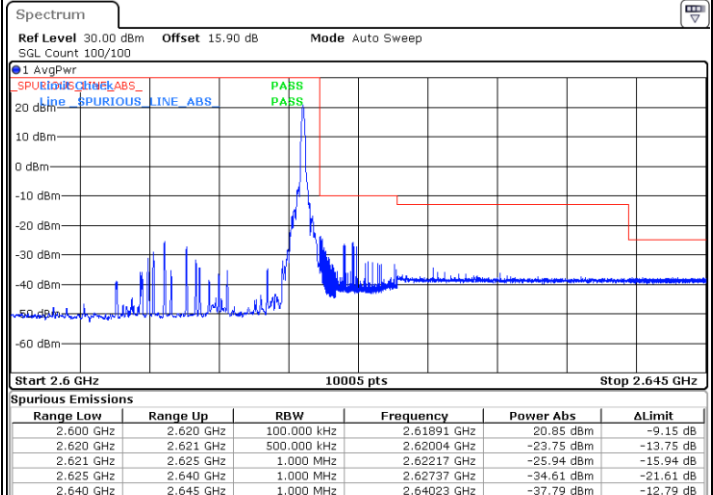


## LTE Band 38 / 20MHz / 16QAM

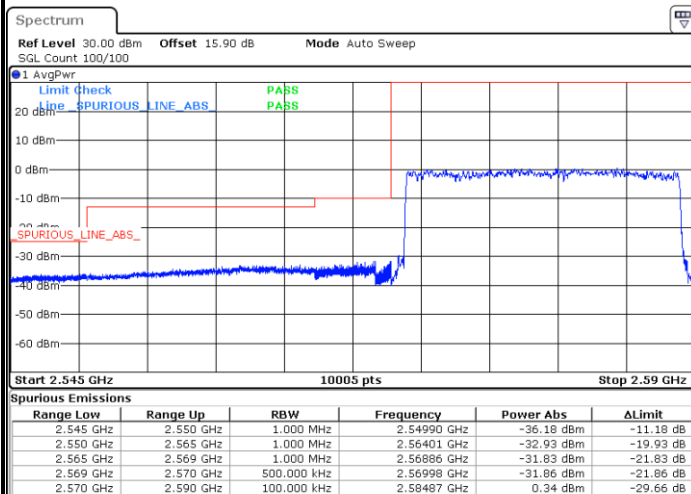
## Lowest Band Edge / 1 RB



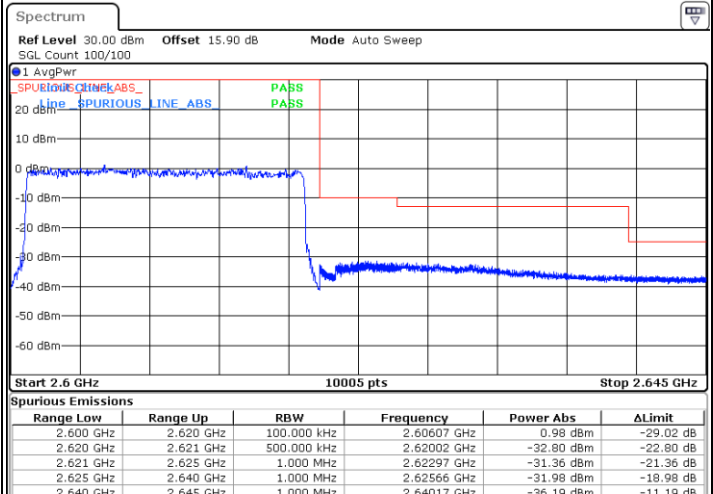
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



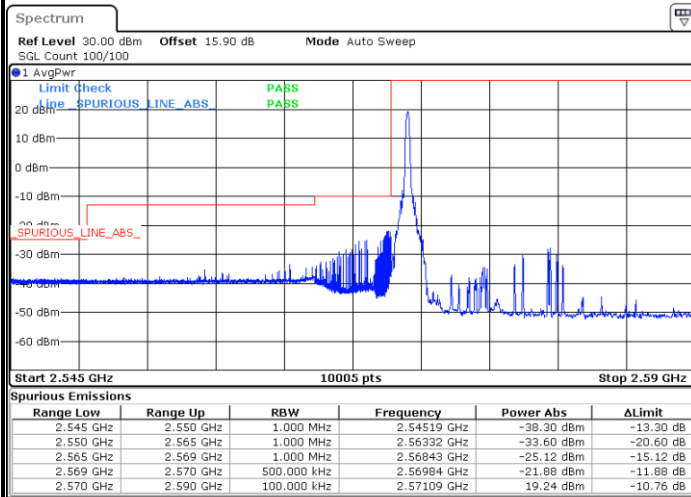
## Highest Band Edge / Full RB



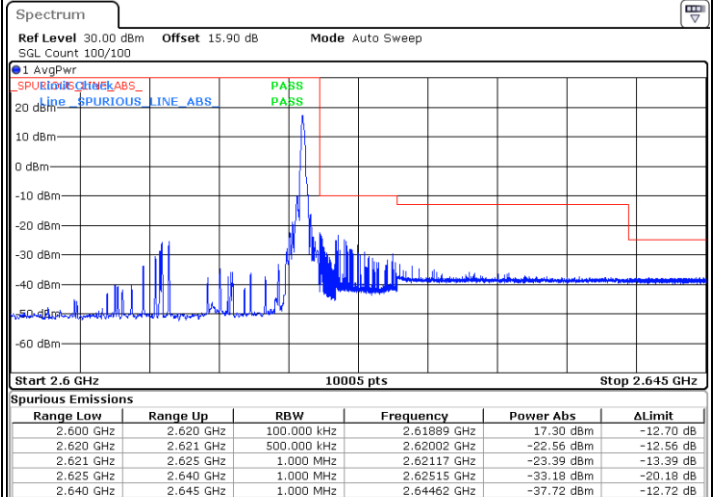


## LTE Band 38 / 20MHz / 64QAM

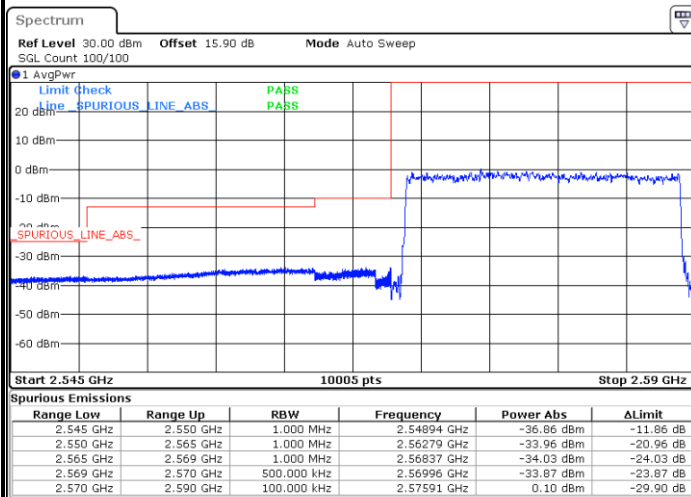
## Lowest Band Edge / 1 RB



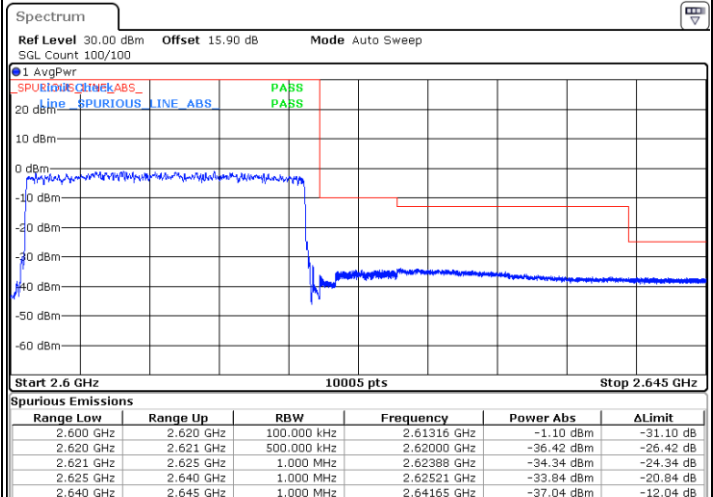
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

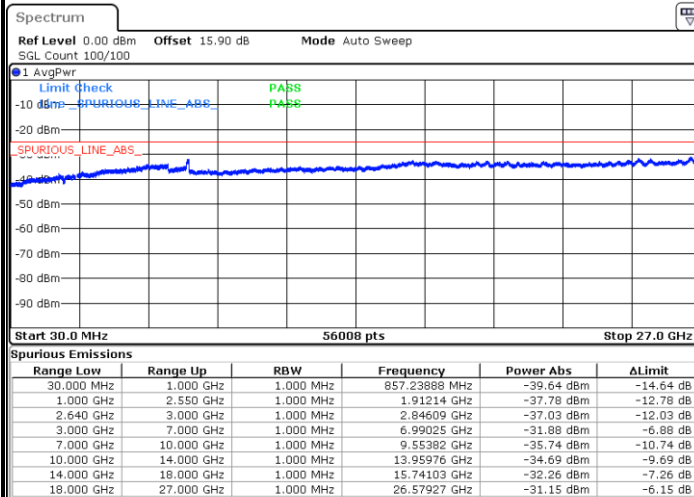




# Conducted Spurious Emission

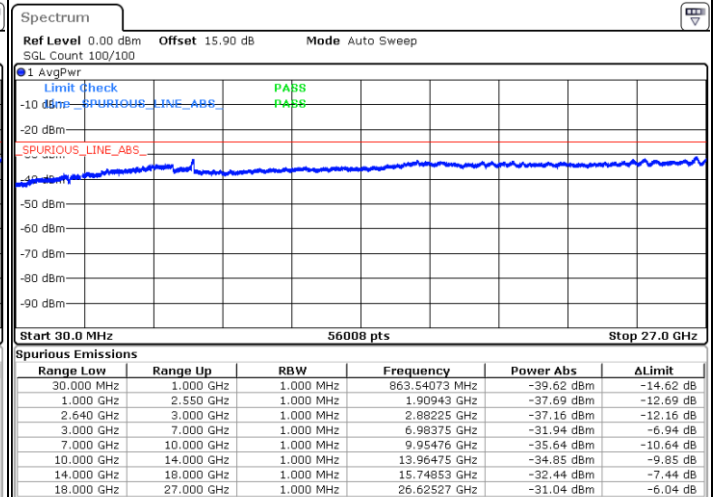
## LTE Band 38 / 5MHz

### Lowest Channel / QPSK



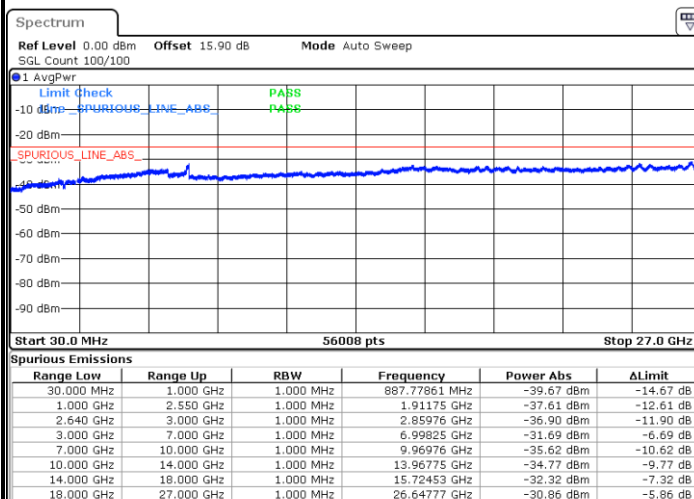
Date: 13.FEB.2020 02:56:55

### Lowest Channel / 16QAM



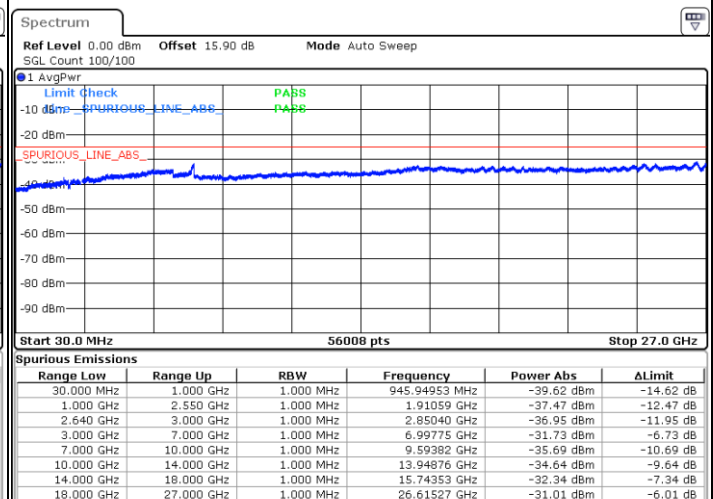
Date: 13.FEB.2020 02:57:47

### Middle Channel / QPSK



Date: 13.FEB.2020 02:58:38

### Middle Channel / 16QAM

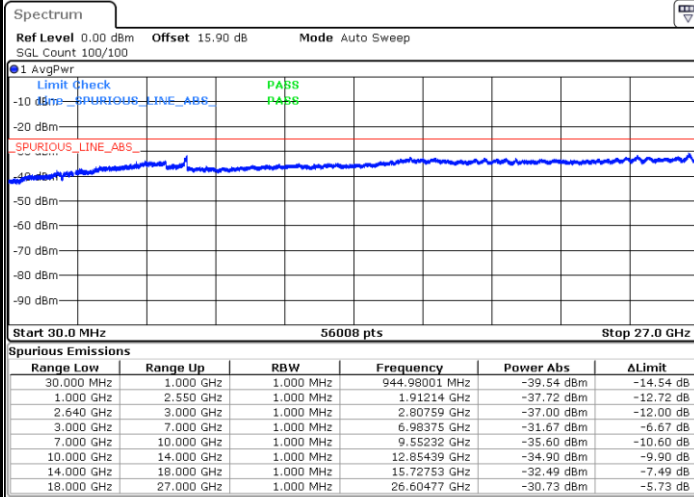


Date: 13.FEB.2020 02:59:29



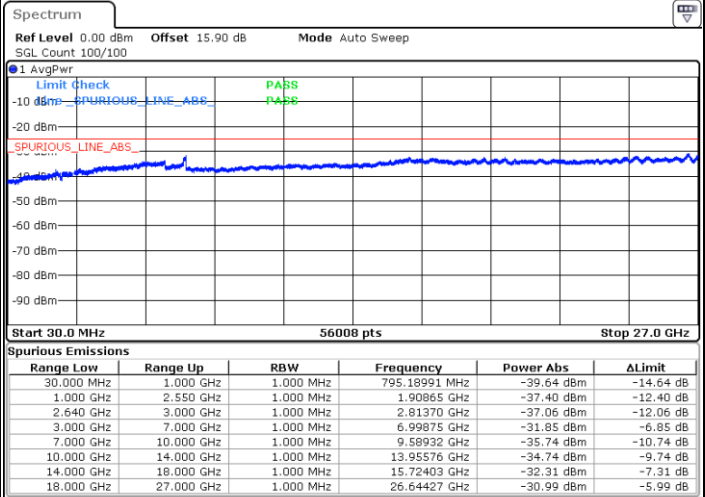
## LTE Band 38 / 5MHz

## Highest Channel / QPSK



Date: 13.FEB.2020 03:00:20

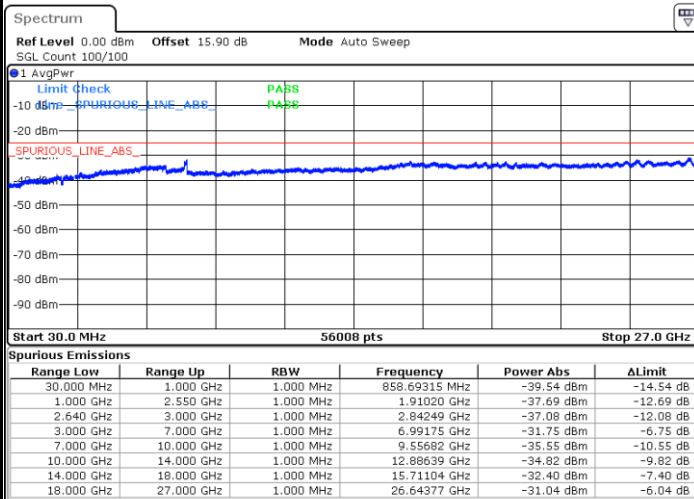
## Highest Channel / 16QAM



Date: 13.FEB.2020 03:01:11

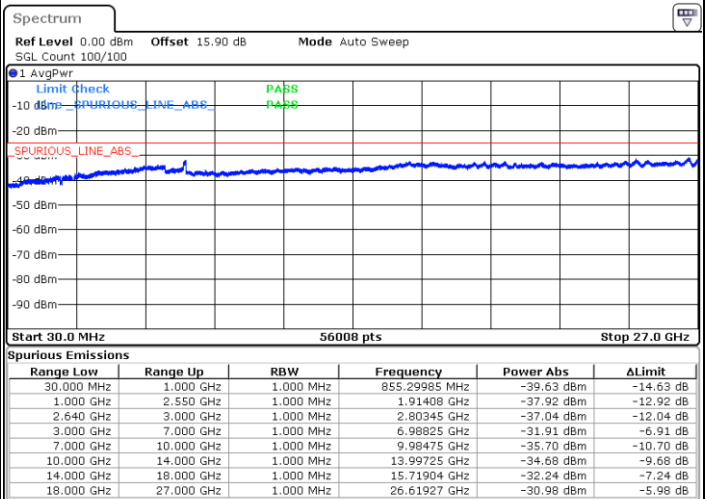
## LTE Band 38 / 10MHz

## Lowest Channel / QPSK



Date: 13.FEB.2020 03:04:38

## Lowest Channel / 16QAM

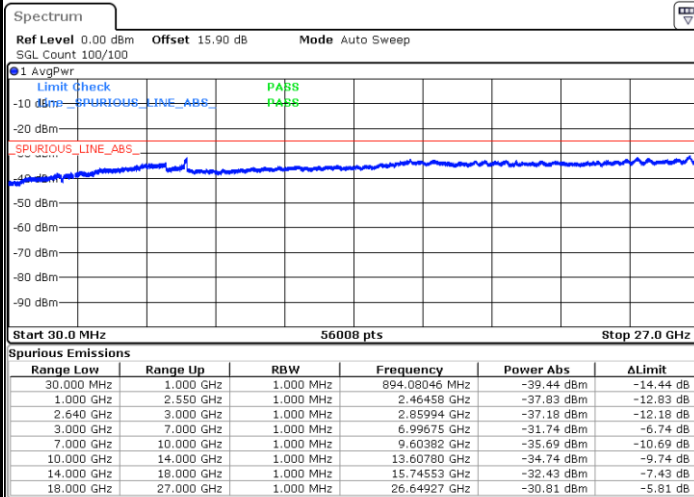


Date: 13.FEB.2020 03:05:29



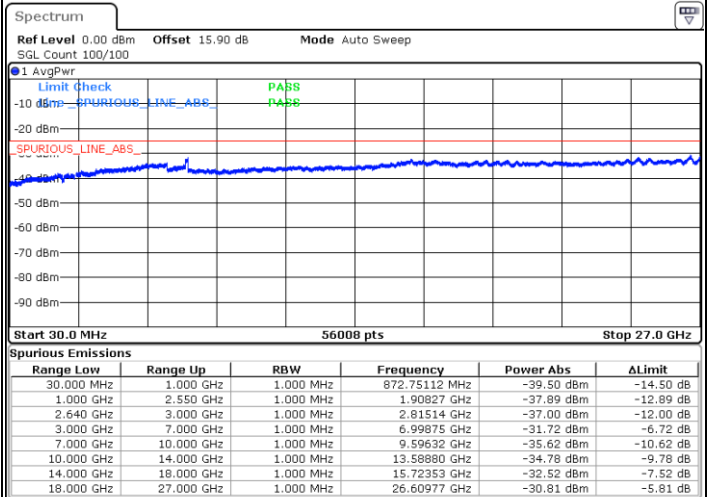
## LTE Band 38 / 10MHz

## Middle Channel / QPSK



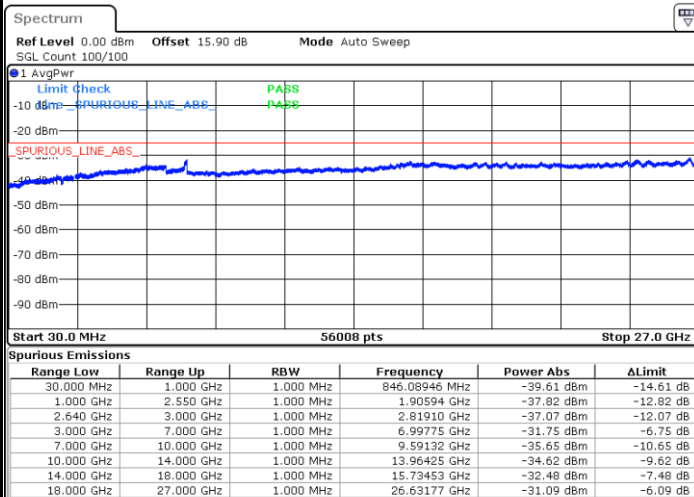
Date: 13.FEB.2020 03:06:20

## Middle Channel / 16QAM



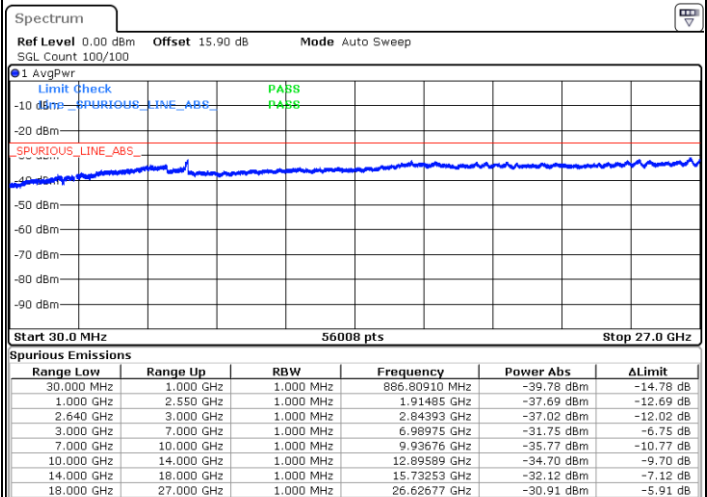
Date: 13.FEB.2020 03:07:11

## Highest Channel / QPSK



Date: 13.FEB.2020 03:08:02

## Highest Channel / 16QAM

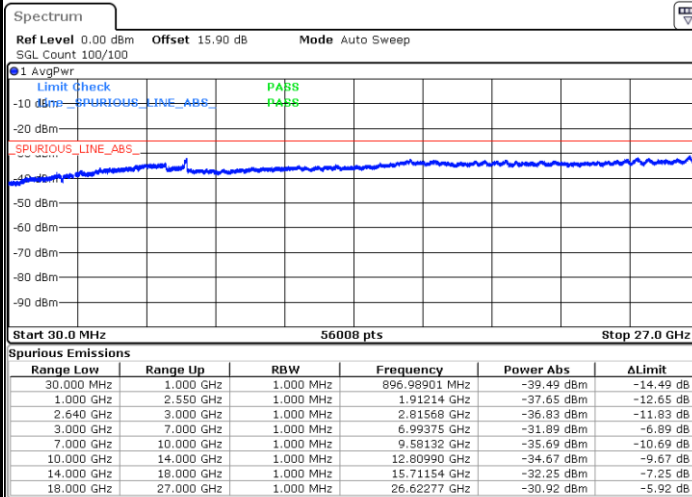


Date: 13.FEB.2020 03:08:54



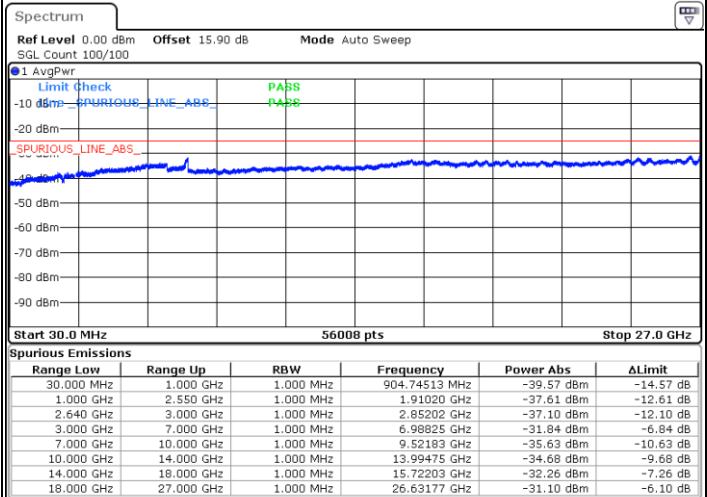
## LTE Band 38 / 15MHz

## Lowest Channel / QPSK



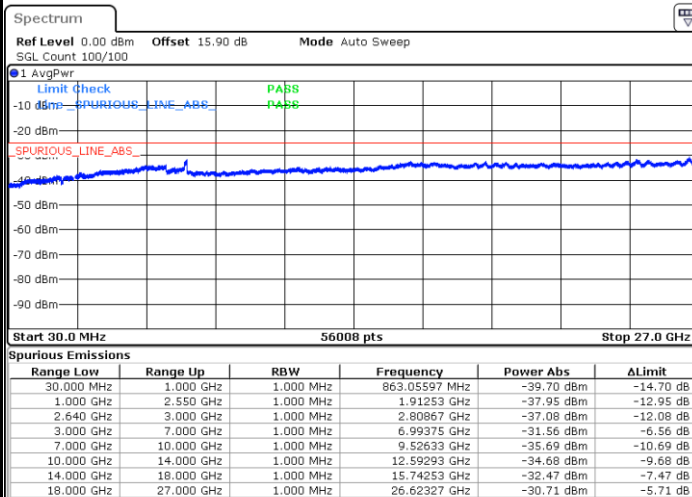
Date: 13.FEB.2020 03:09:47

## Lowest Channel / 16QAM



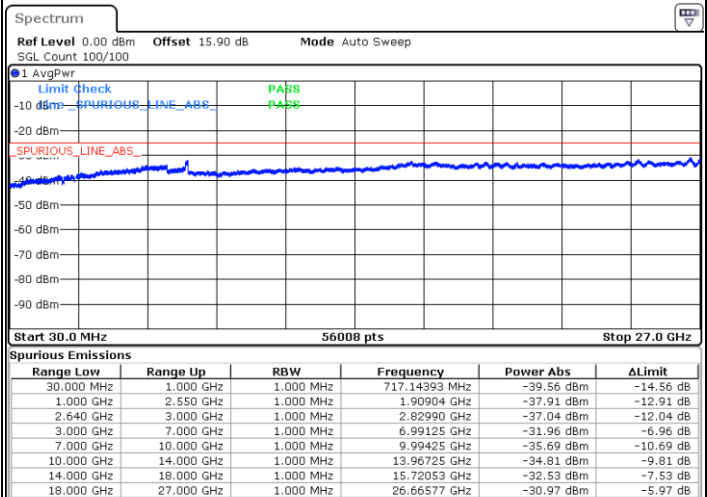
Date: 13.FEB.2020 03:10:38

## Middle Channel / QPSK



Date: 13.FEB.2020 03:11:30

## Middle Channel / 16QAM

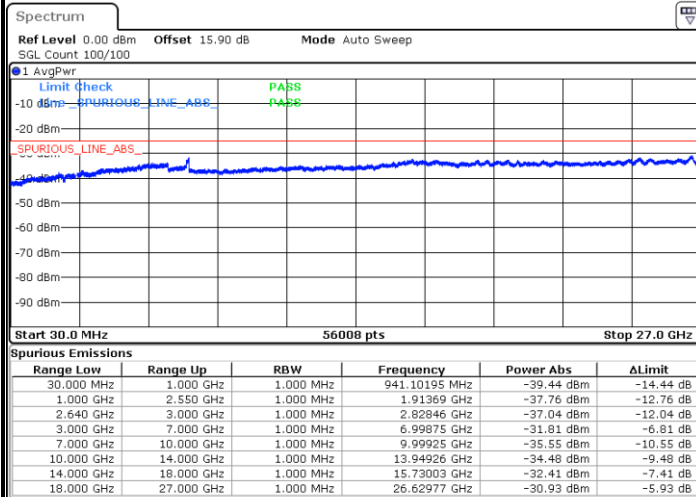


Date: 13.FEB.2020 03:12:21



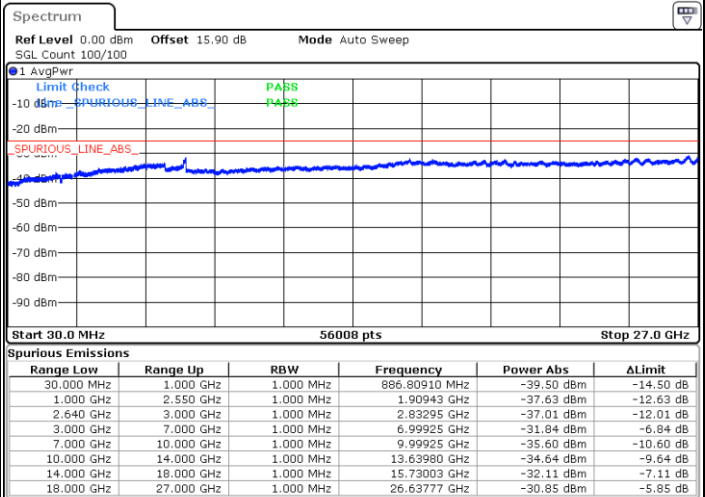
## LTE Band 38 / 15MHz

## Highest Channel / QPSK



Date: 13.FEB.2020 03:13:12

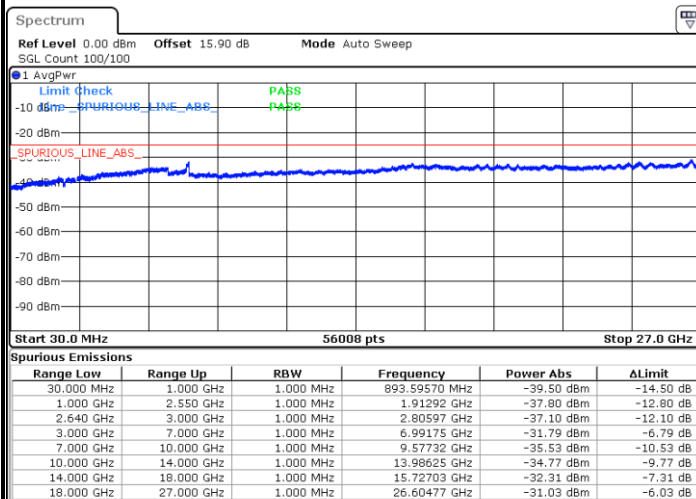
## Highest Channel / 16QAM



Date: 13.FEB.2020 03:14:04

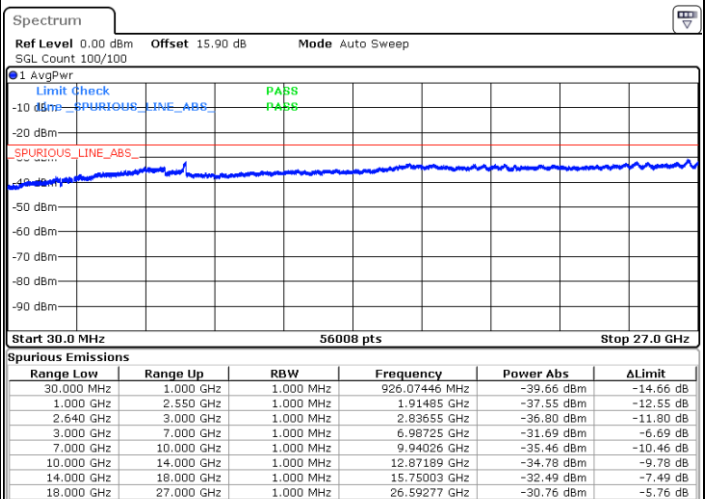
## LTE Band 38 / 20MHz

## Lowest Channel / QPSK



Date: 13.FEB.2020 03:17:29

## Lowest Channel / 16QAM

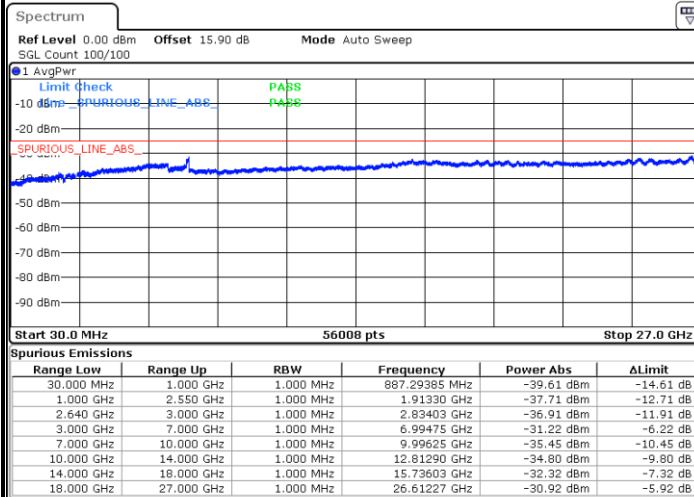


Date: 13.FEB.2020 03:18:21



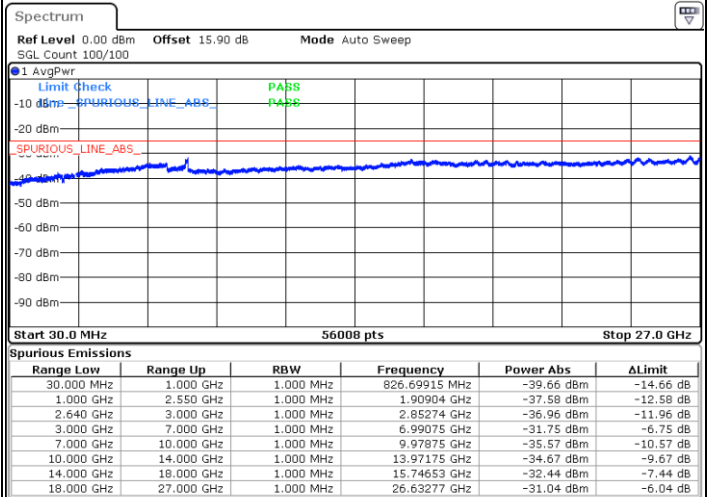
## LTE Band 38 / 20MHz

## Middle Channel / QPSK



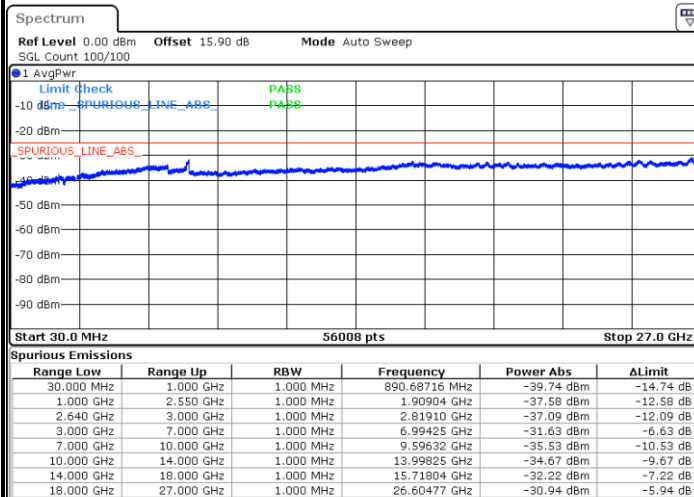
Date: 13.FEB.2020 03:19:11

## Middle Channel / 16QAM



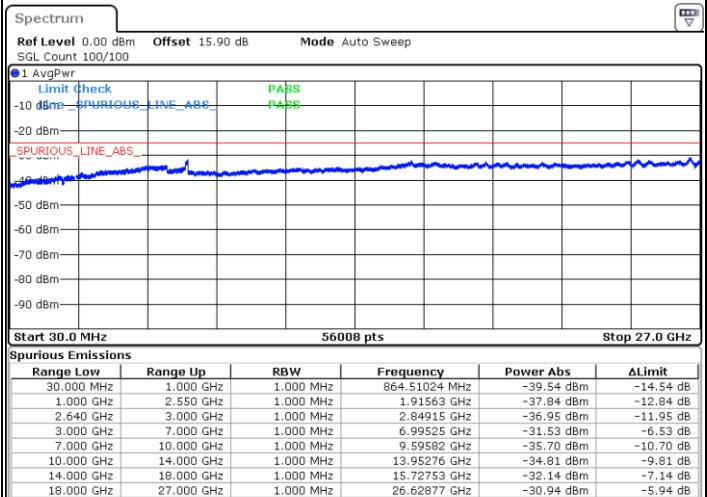
Date: 13.FEB.2020 03:20:03

## Highest Channel / QPSK



Date: 13.FEB.2020 03:20:54

## Highest Channel / 16QAM

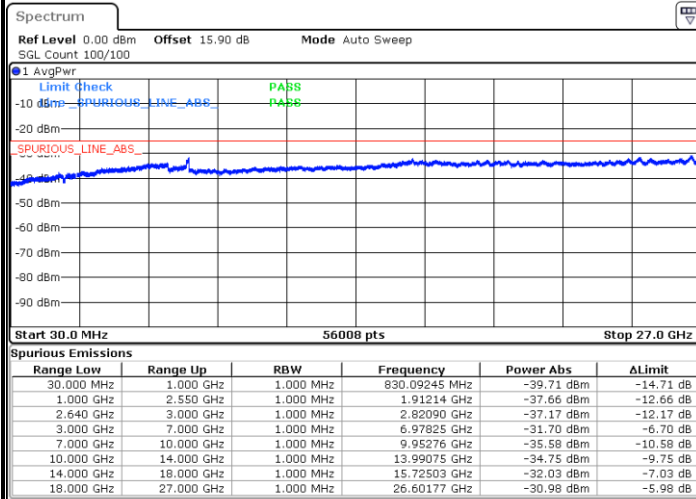


Date: 13.FEB.2020 03:21:46



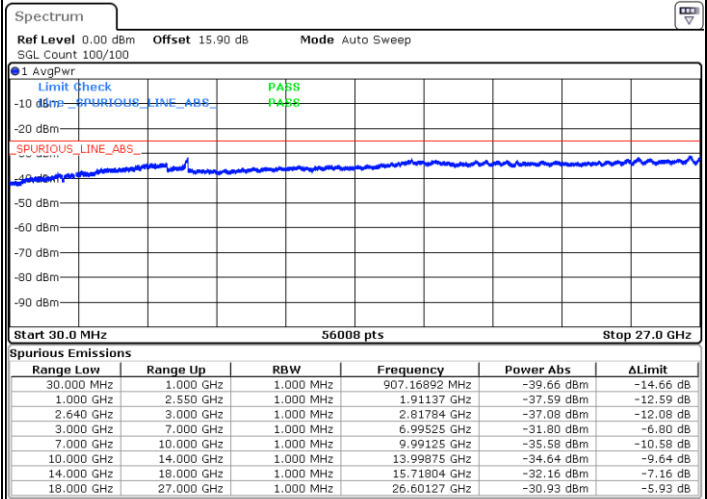
## LTE Band 38 / 5MHz

## Lowest Channel / 64QAM



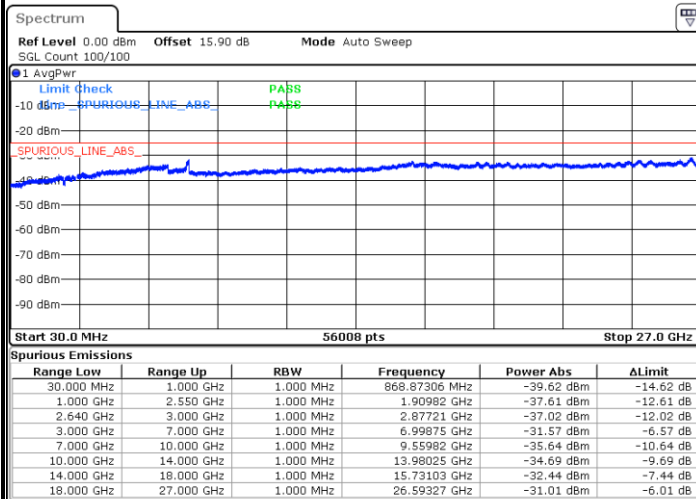
Date: 13.FEB.2020 02:54:21

## Middle Channel / 64QAM



Date: 13.FEB.2020 02:55:12

## Highest Channel / 64QAM

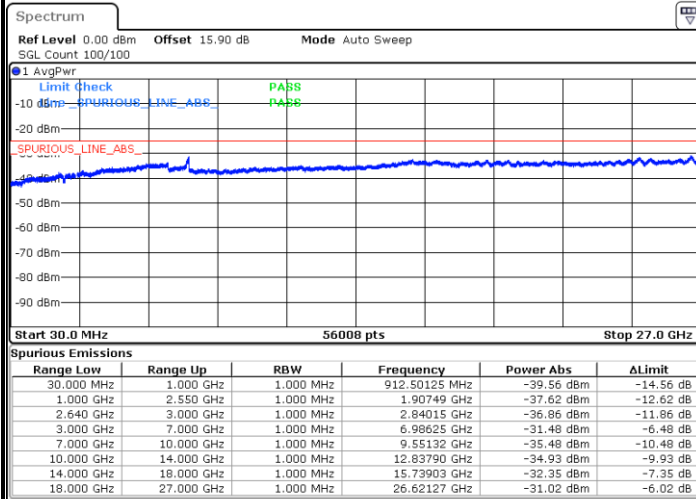


Date: 13.FEB.2020 02:56:03



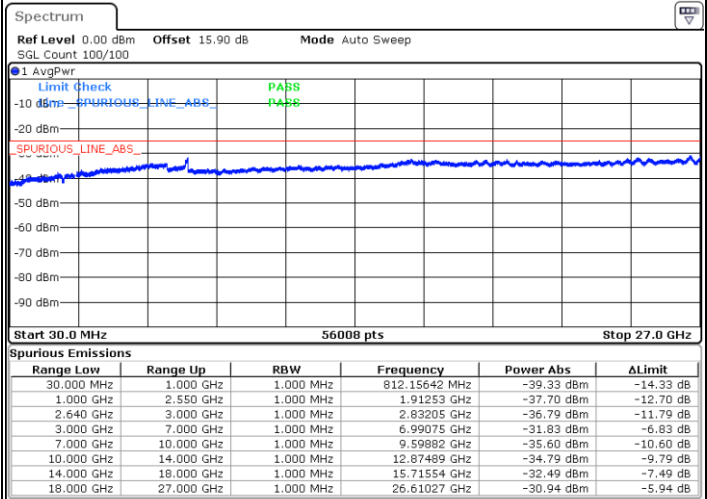
## LTE Band 38 / 10MHz

## Lowest Channel / 64QAM



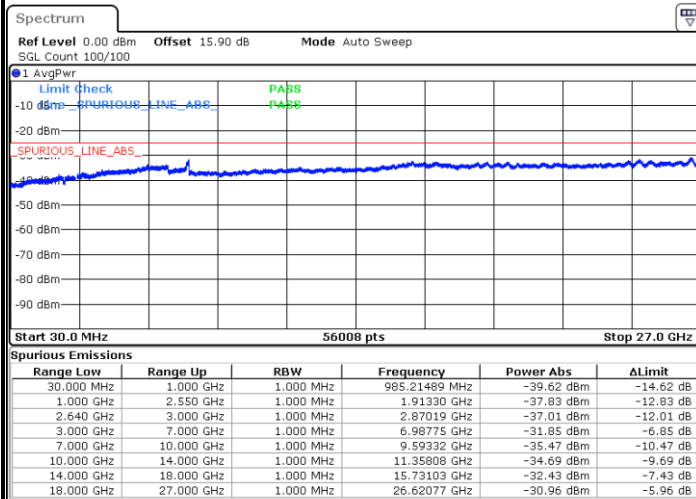
Date: 13.FEB.2020 03:02:04

## Middle Channel / 64QAM



Date: 13.FEB.2020 03:02:55

## Highest Channel / 64QAM

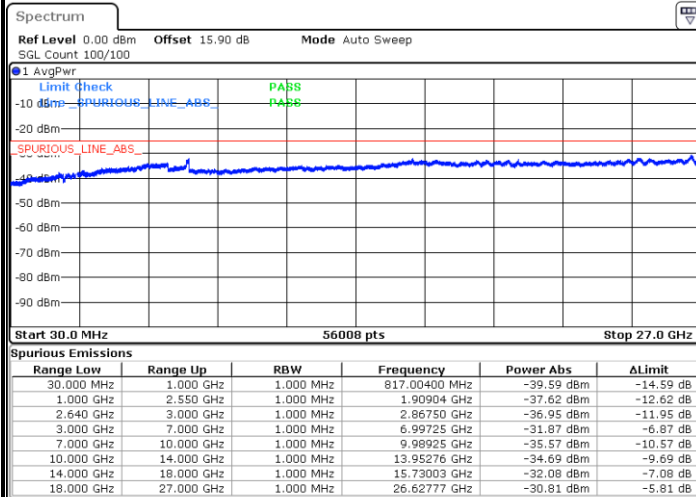


Date: 13.FEB.2020 03:03:46



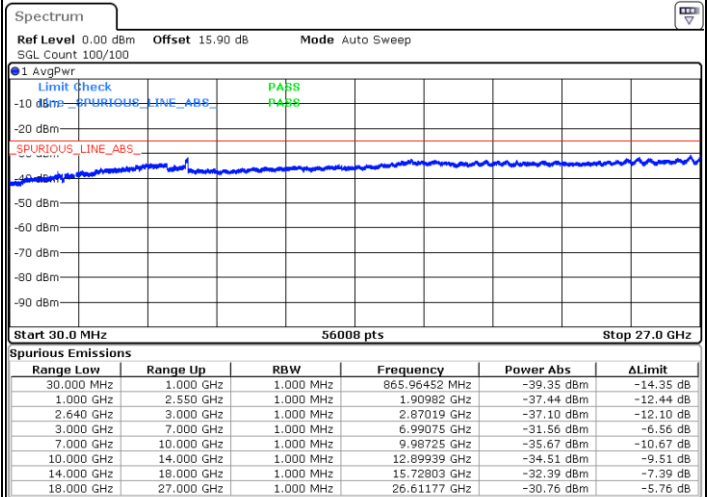
## LTE Band 38 / 15MHz

## Lowest Channel / 64QAM



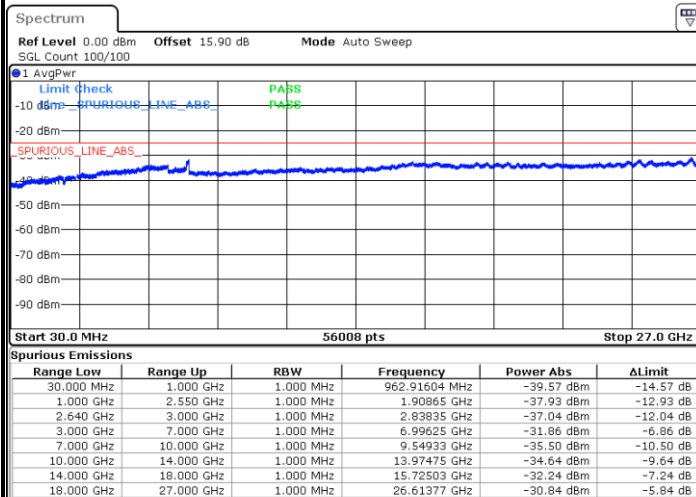
Date: 13.FEB.2020 03:14:55

## Middle Channel / 64QAM



Date: 13.FEB.2020 03:15:46

## Highest Channel / 64QAM

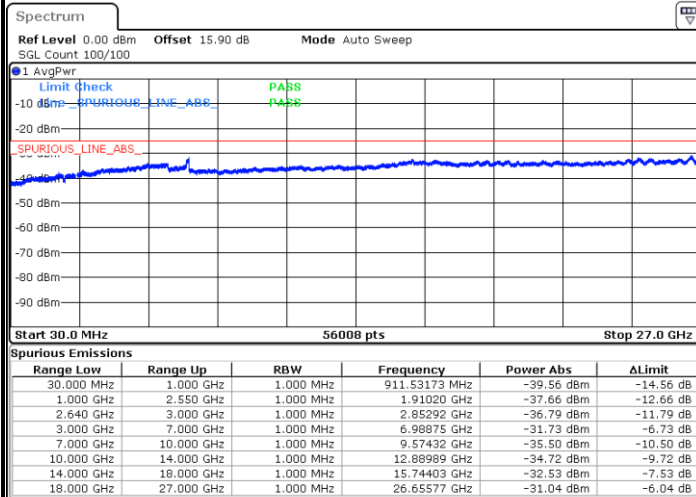


Date: 13.FEB.2020 03:16:37



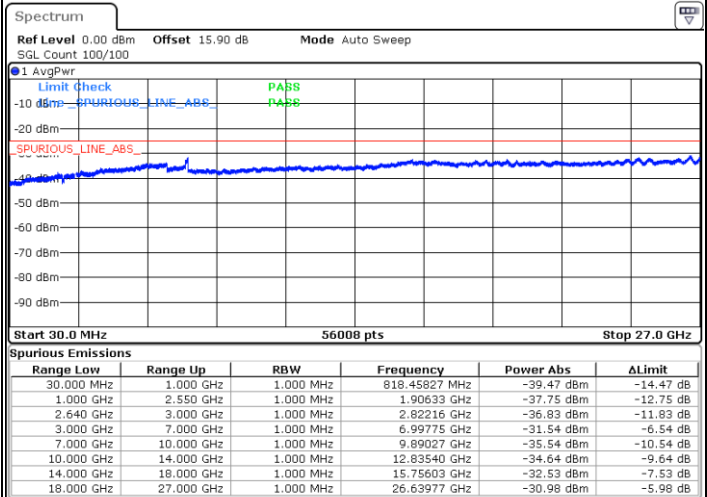
## LTE Band 38 / 20MHz

## Lowest Channel / 64QAM



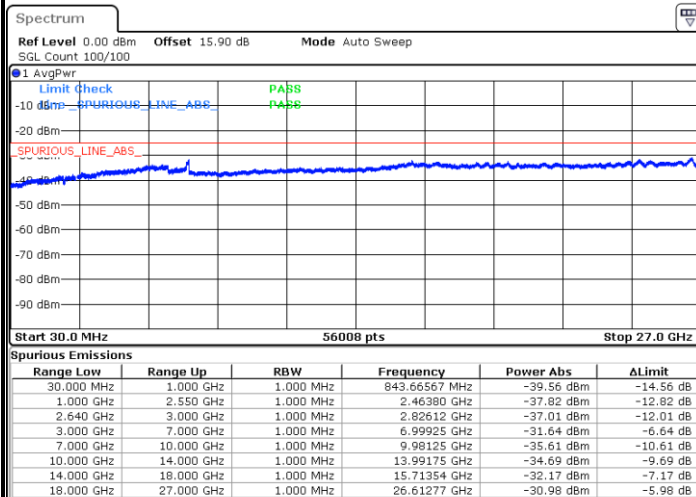
Date: 13.FEB.2020 03:22:37

## Middle Channel / 64QAM



Date: 13.FEB.2020 03:23:28

## Highest Channel / 64QAM



Date: 13.FEB.2020 03:24:19

## 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    | 0.0012                              | PASS    |
| 40               | Normal Voltage    | 0.0004                              |         |
| 30               | Normal Voltage    | 0.0013                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0005                              |         |
| 0                | Normal Voltage    | 0.0016                              |         |
| -10              | Normal Voltage    | 0.0011                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0004                              |         |
| 20               | Maximum Voltage   | 0.0015                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0010                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



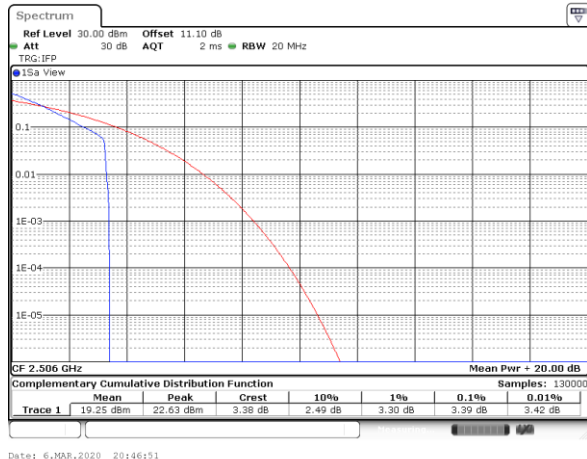
## LTE Band 41

**Peak-to-Average Ratio**

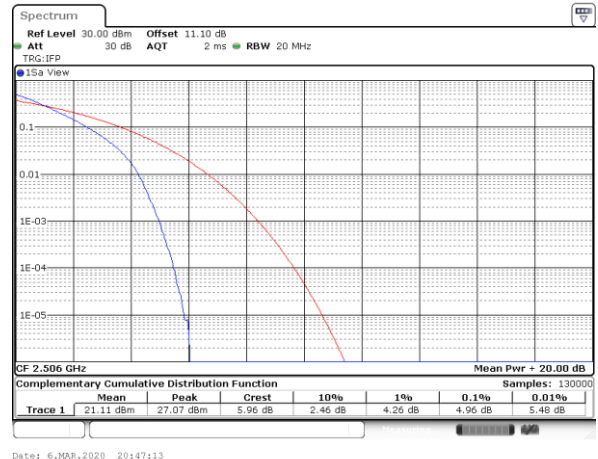
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.39                | 4.96    | 5.28  | 6.61    | PASS        |
| Middle CH  | 4.03                | 5.07    | 5.71  | 6.96    |             |
| Highest CH | 3.65                | 5.19    | 6.43  | 6.12    |             |
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.23                | 7.39    | -     | -       | PASS        |
| Middle CH  | 7.04                | 6.46    | -     | -       |             |
| Highest CH | 6.78                | 6.70    | -     | -       |             |

## LTE Band 41 / 20MHz / QPSK

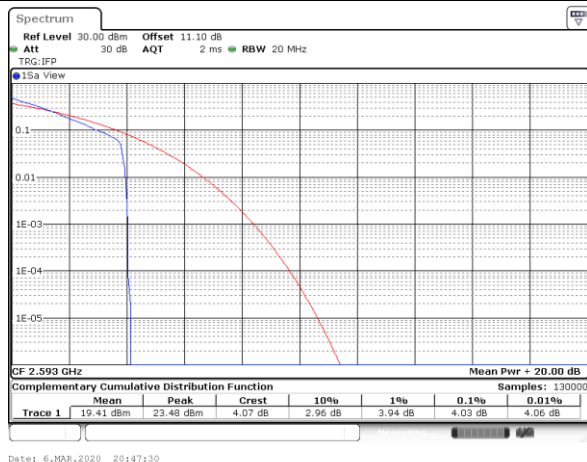
### Lowest Channel / 1RB



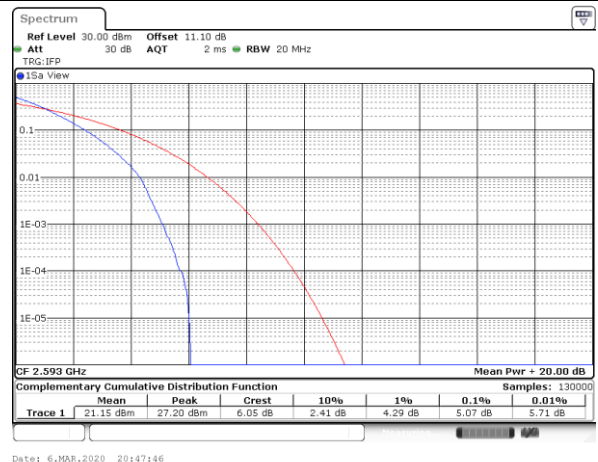
### Lowest Channel / Full RB



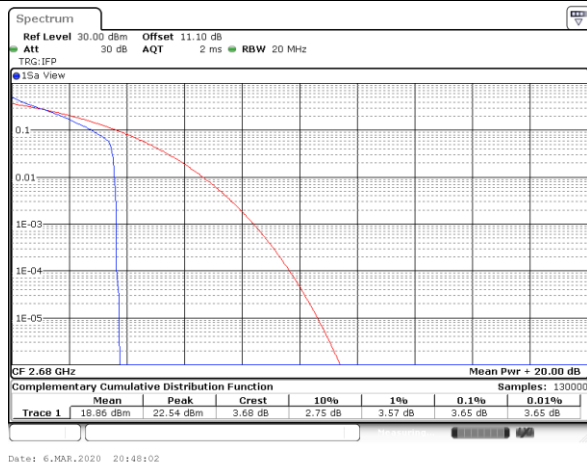
### Middle Channel / 1RB



### Middle Channel / Full RB



### Highest Channel / 1RB



### Highest Channel / Full RB

