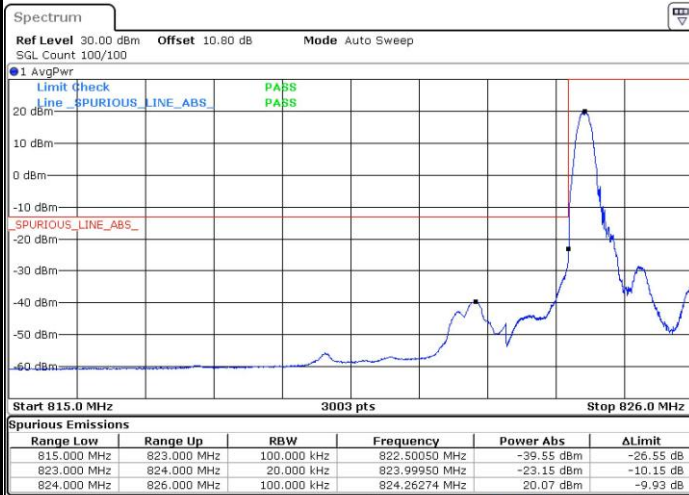
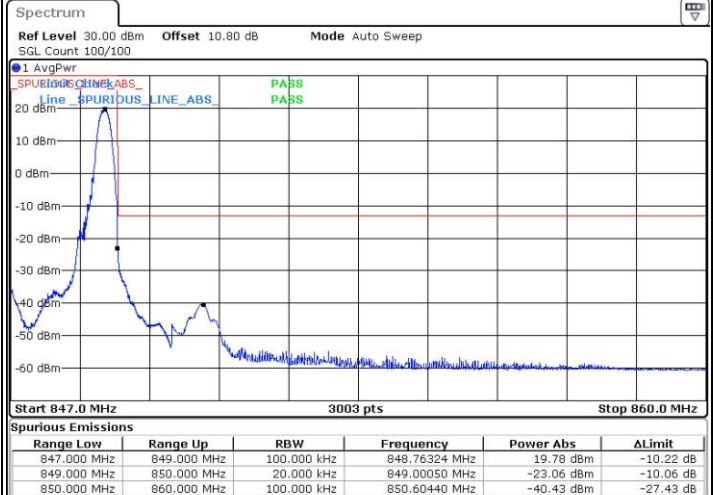
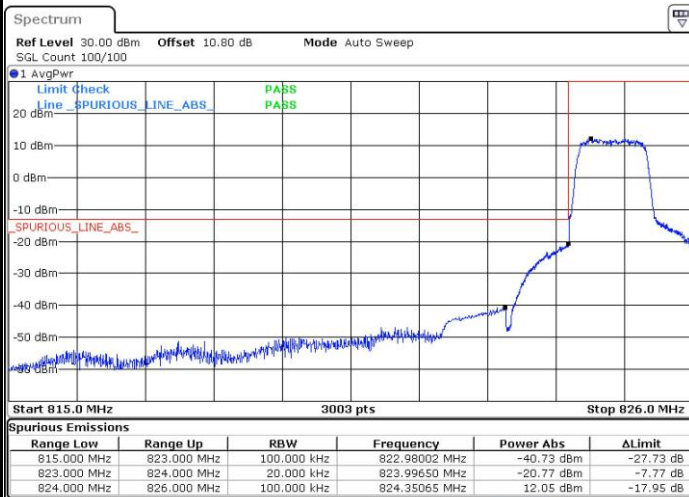
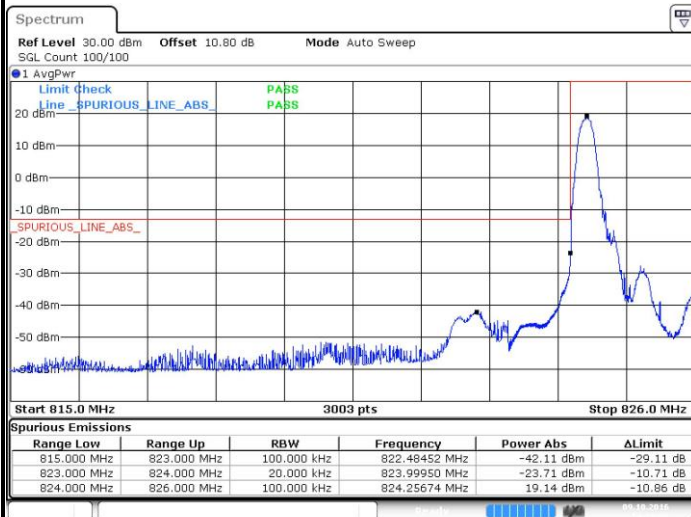


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



## LTE Band 5 / 1.4MHz / 16QAM

## Lowest Band Edge / 1 RB



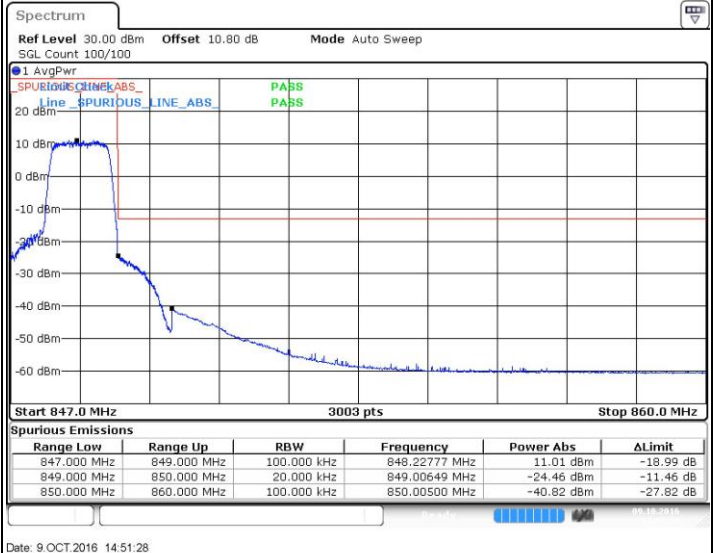
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



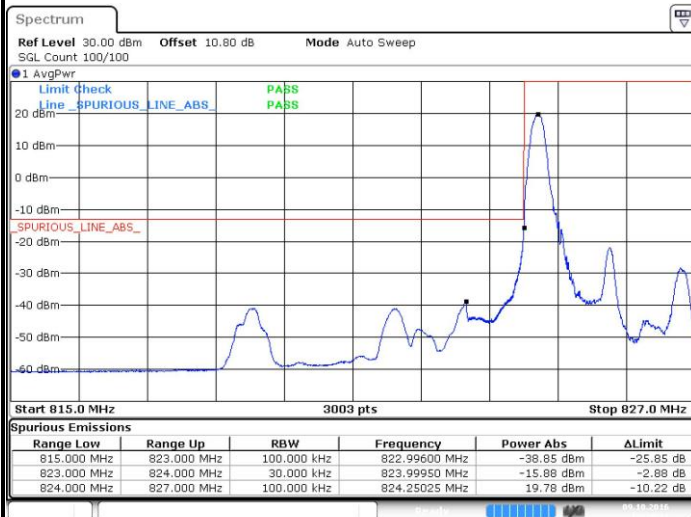
## Highest Band Edge / Full RB





## LTE Band 5 / 3MHz / QPSK

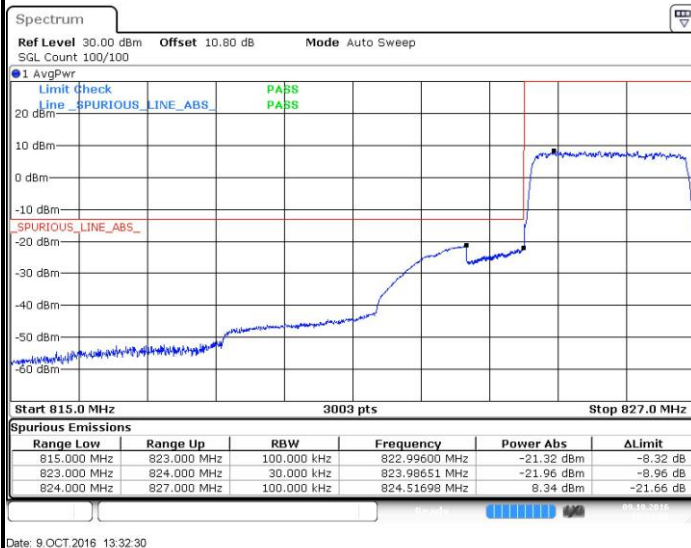
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



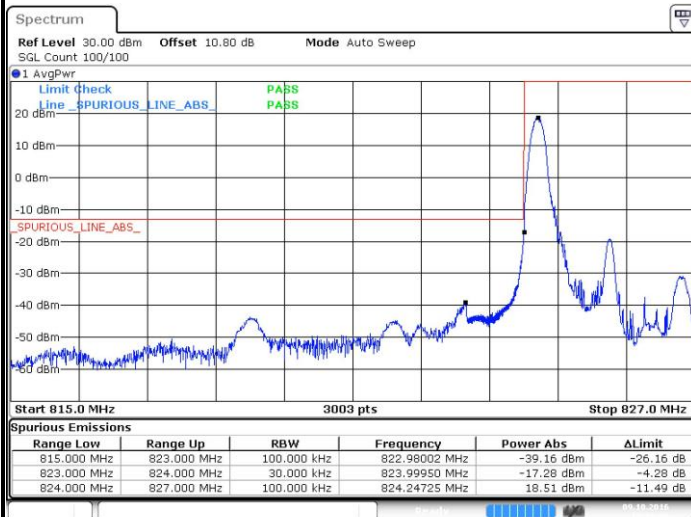
## Highest Band Edge / Full RB





## LTE Band 5 / 3MHz / 16QAM

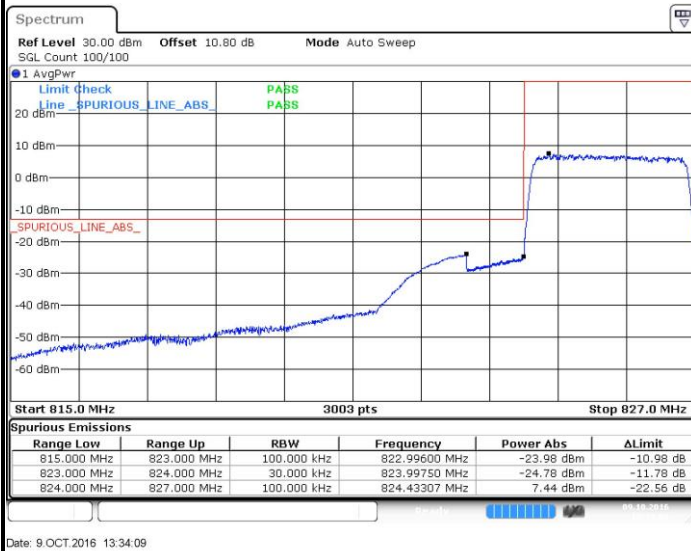
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



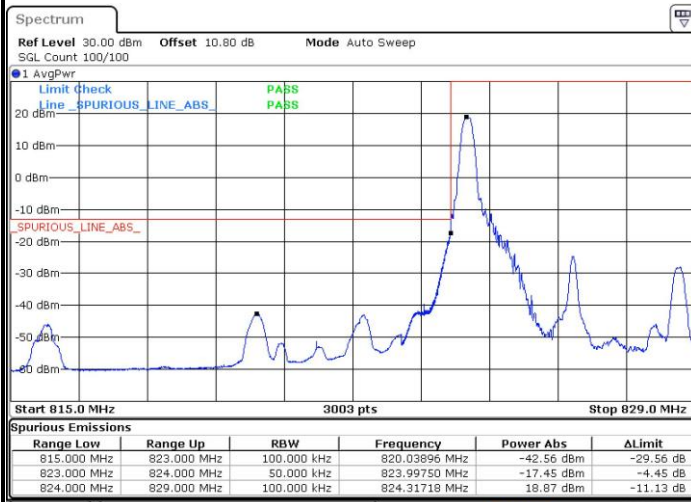
## Highest Band Edge / Full RB



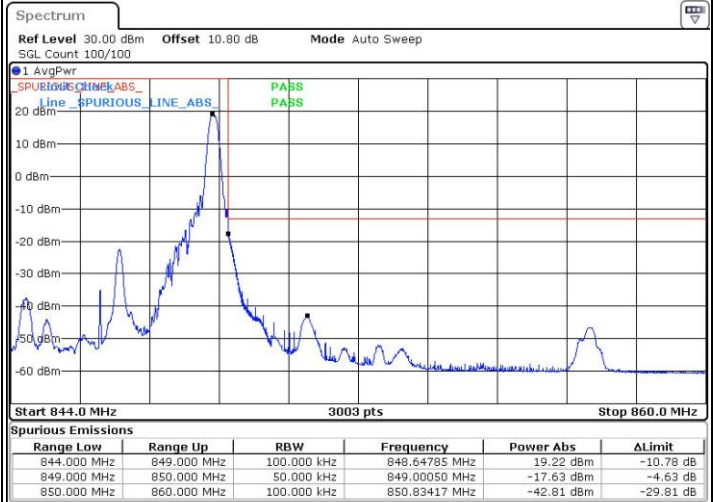


## LTE Band 5 / 5MHz / QPSK

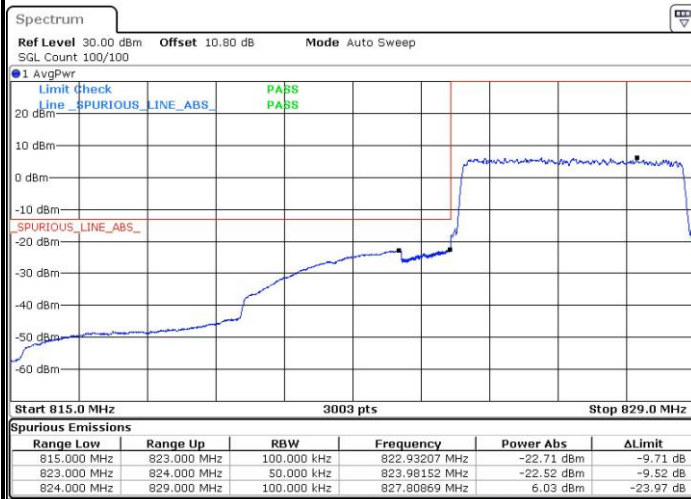
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



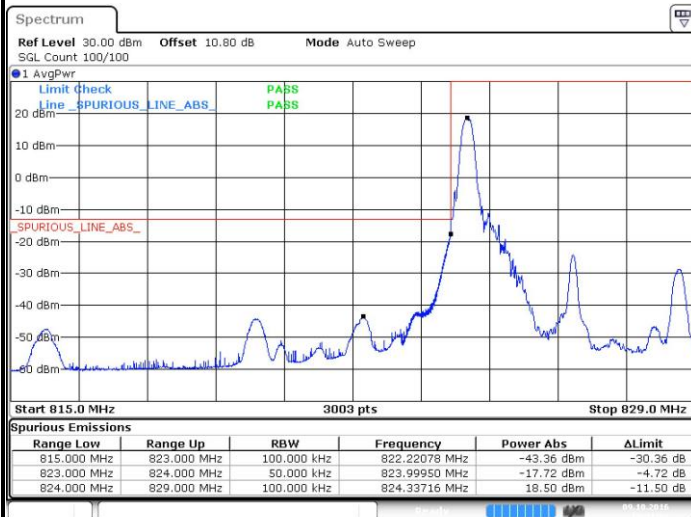
## Highest Band Edge / Full RB





## LTE Band 5 / 5MHz / 16QAM

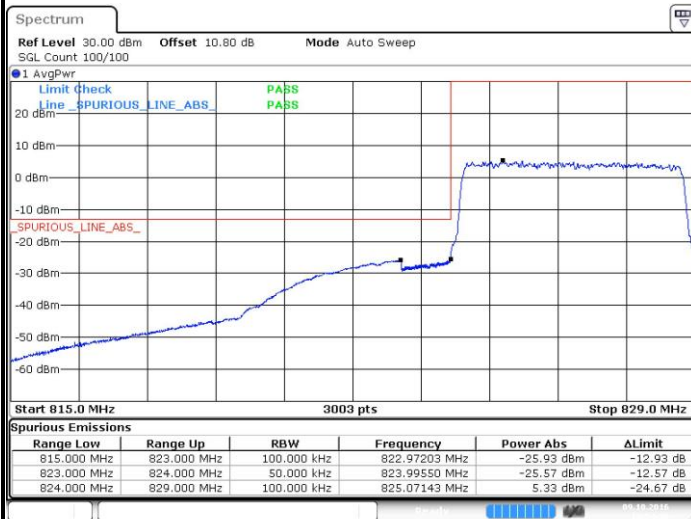
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



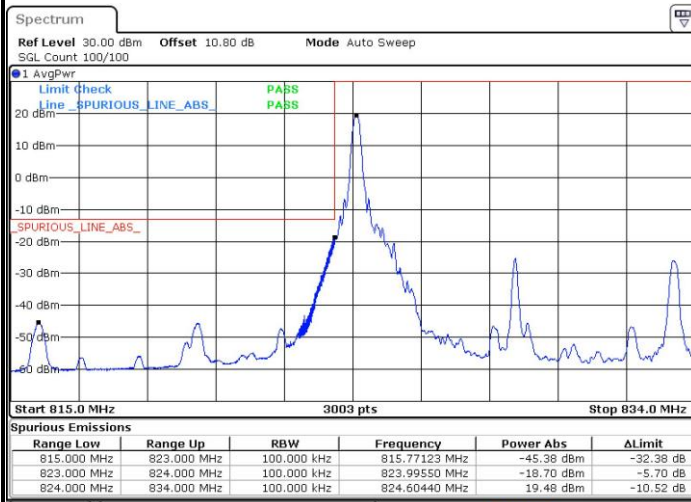
## Highest Band Edge / Full RB



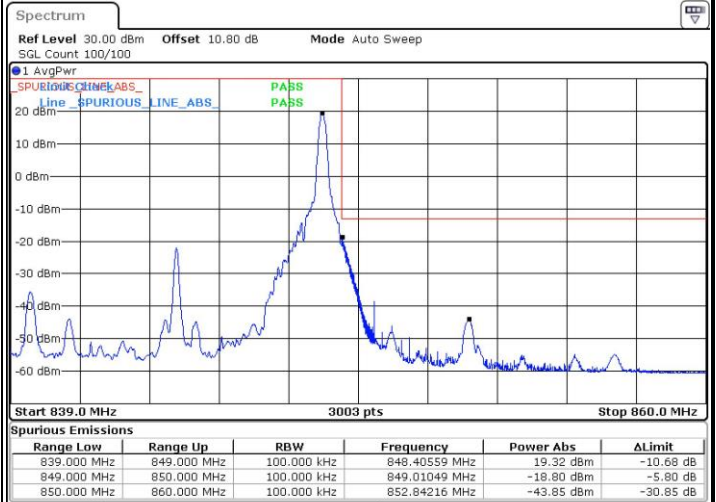


## LTE Band 5 / 10MHz / QPSK

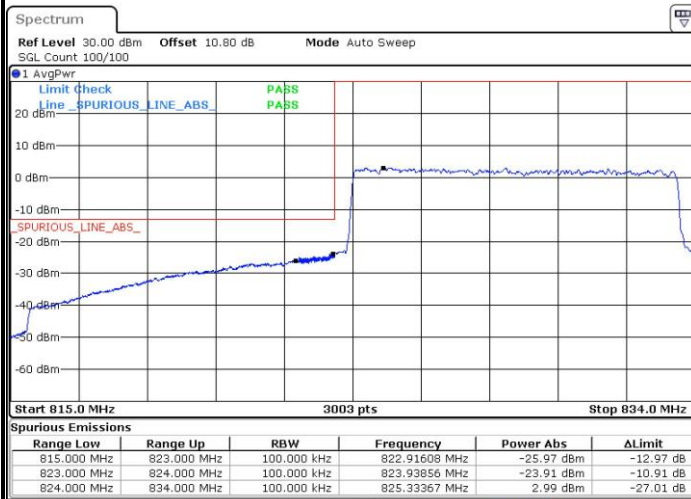
## Lowest Band Edge / 1 RB



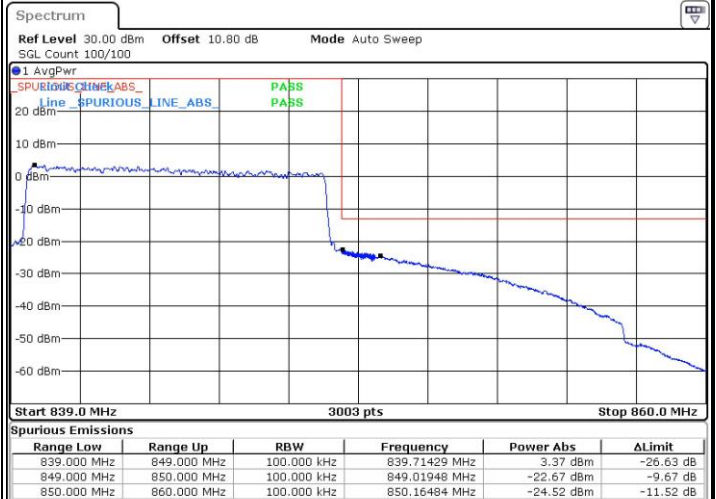
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



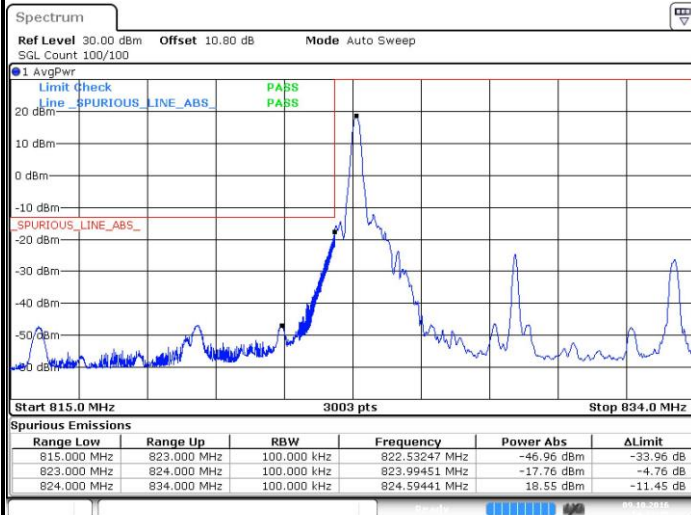
## Highest Band Edge / Full RB



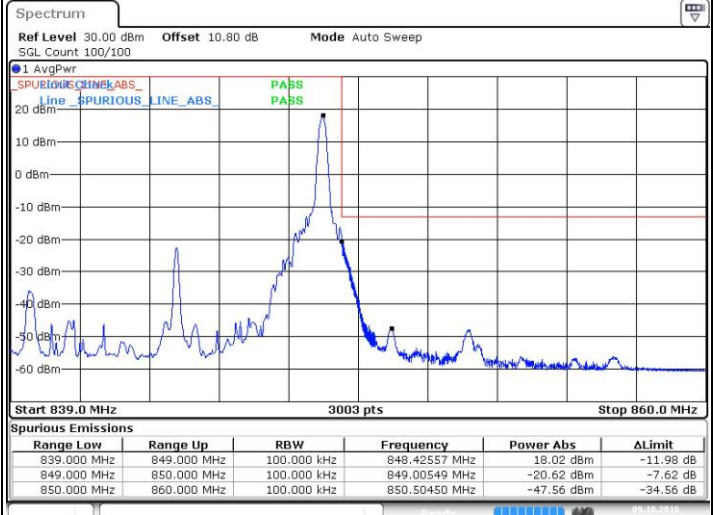


## LTE Band 5 / 10MHz / 16QAM

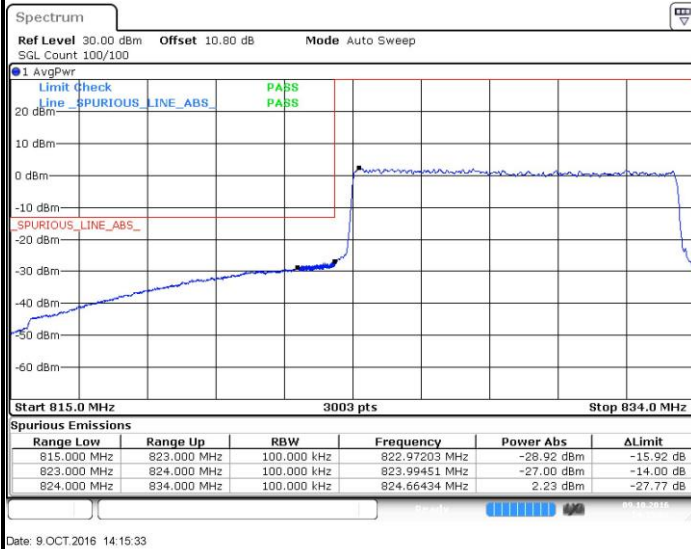
## Lowest Band Edge / 1 RB



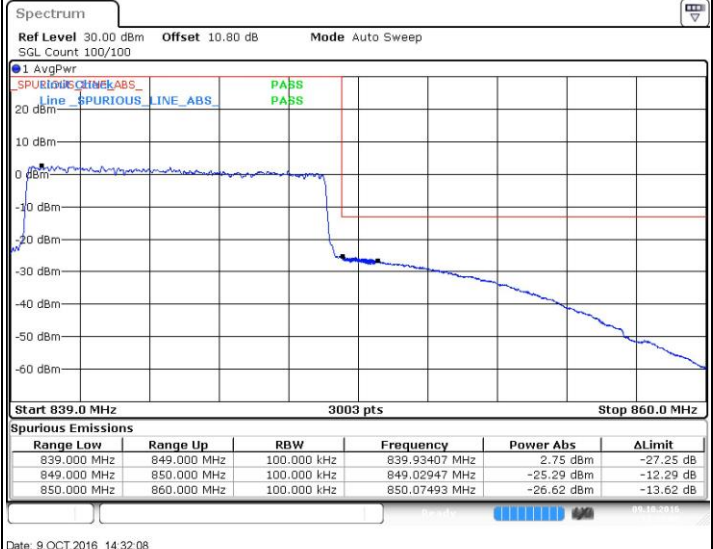
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

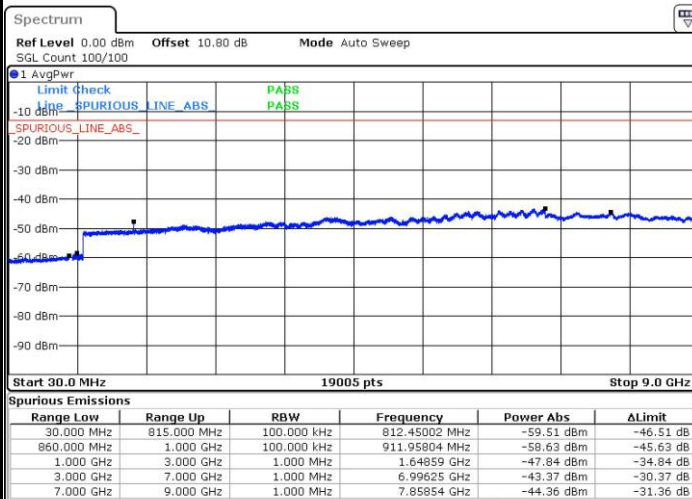




# Conducted Spurious Emission

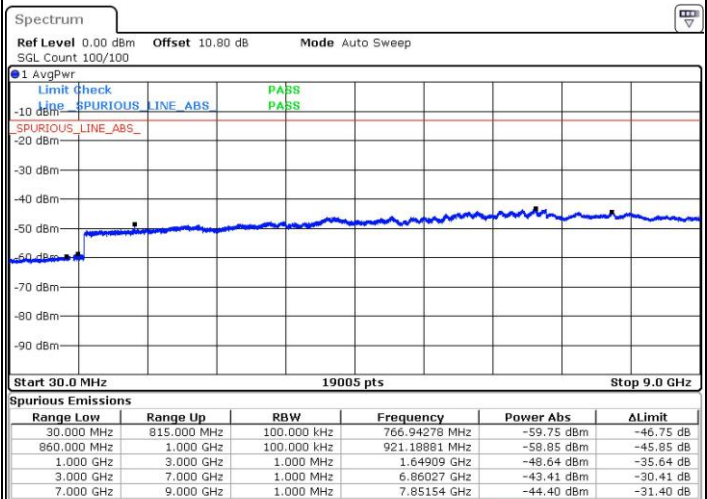
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK



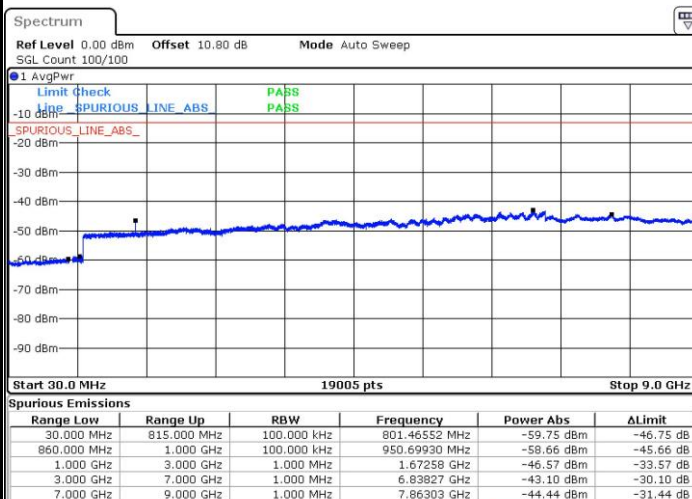
Date: 9.OCT.2016 14:44:05

### Lowest Channel / 16QAM



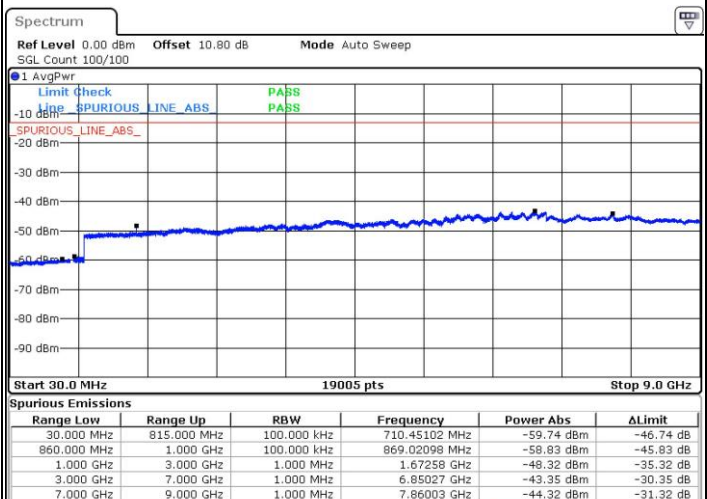
Date: 9.OCT.2016 14:45:00

### Middle Channel / QPSK



Date: 9.OCT.2016 14:46:35

### Middle Channel / 16QAM

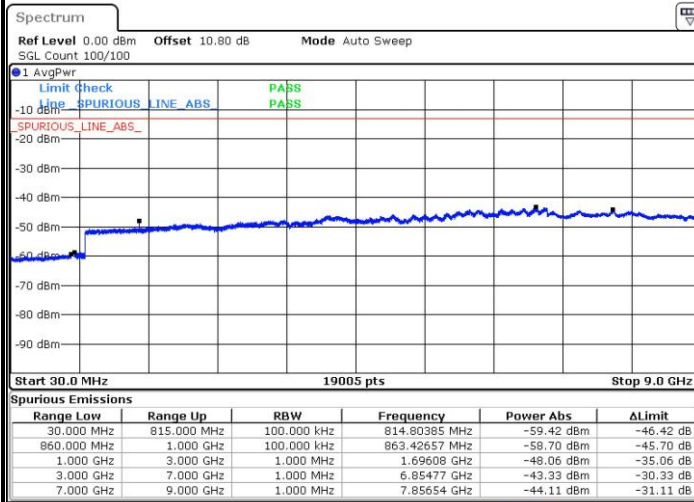


Date: 9.OCT.2016 14:47:30



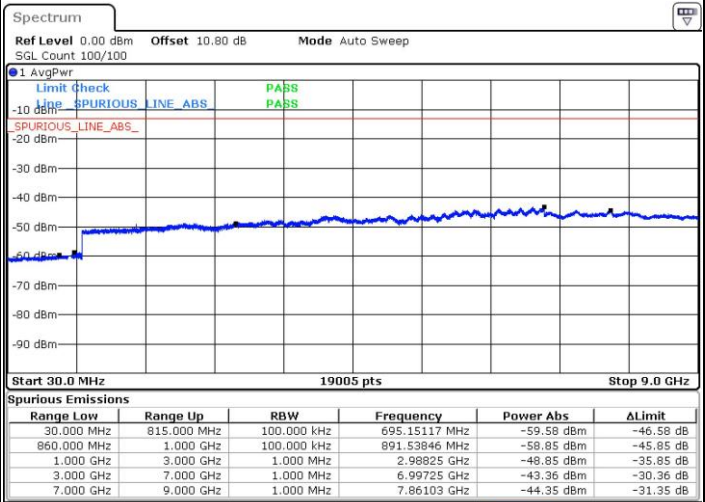
## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK



Date: 9.OCT.2016 14:55:41

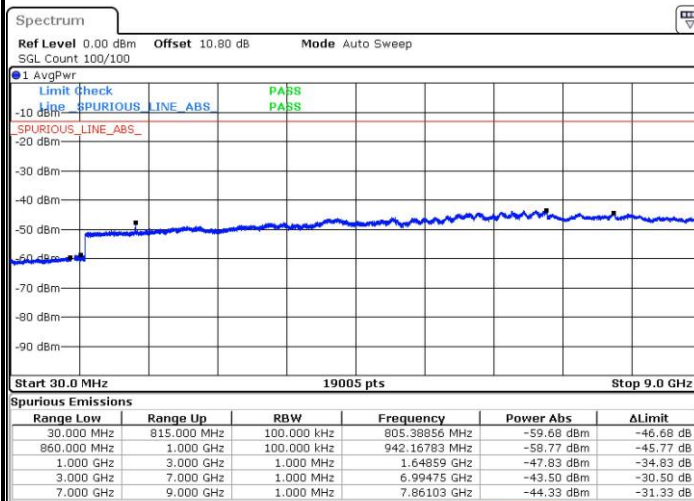
## Highest Channel / 16QAM



Date: 9.OCT.2016 14:56:36

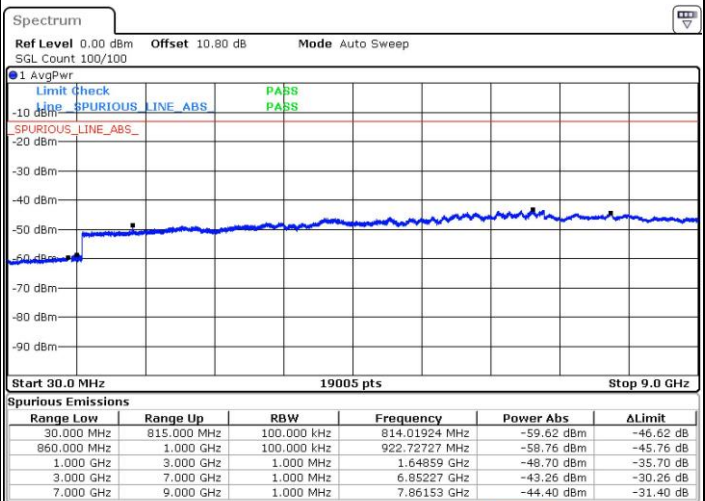
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



Date: 9.OCT.2016 13:35:04

## Lowest Channel / 16QAM

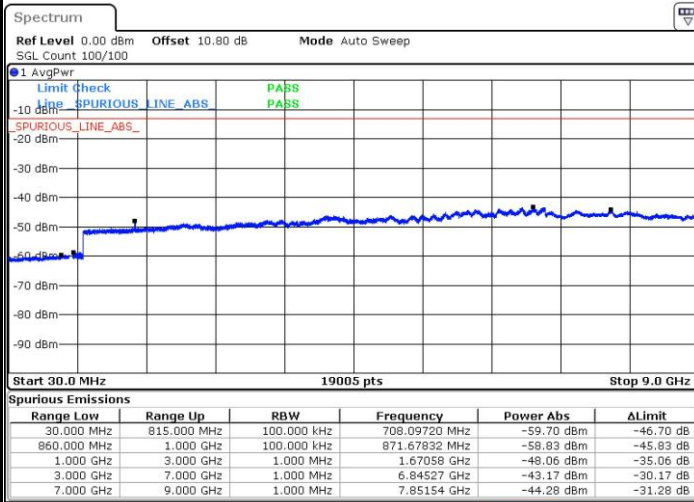


Date: 9.OCT.2016 13:35:58



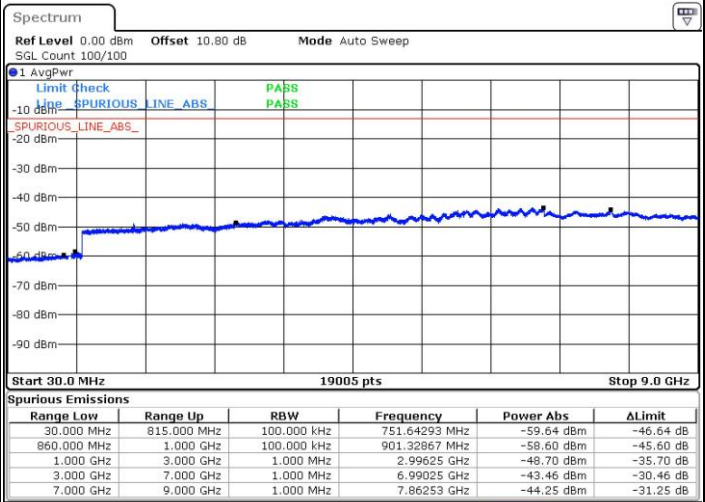
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



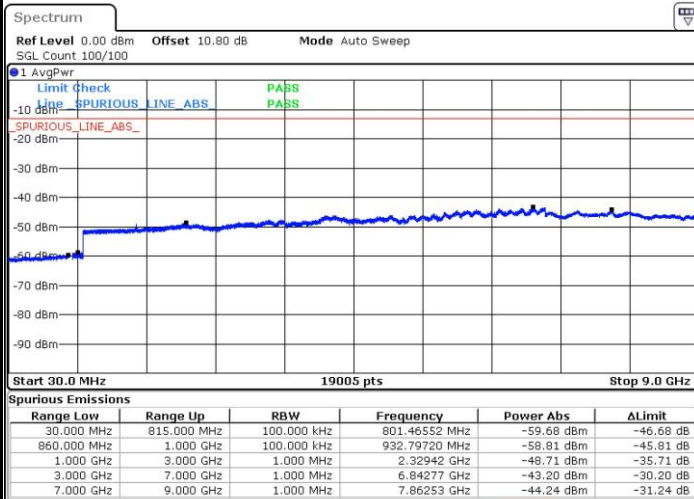
Date: 9.OCT.2016 13:37:33

## Middle Channel / 16QAM



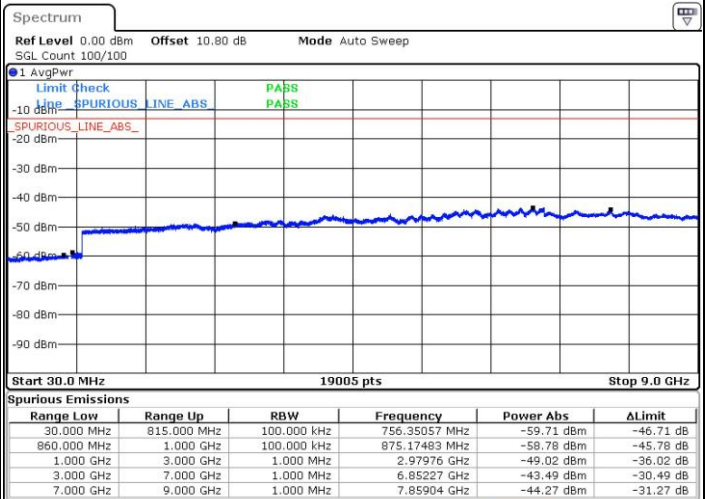
Date: 9.OCT.2016 13:38:27

## Highest Channel / QPSK



Date: 9.OCT.2016 13:46:40

## Highest Channel / 16QAM

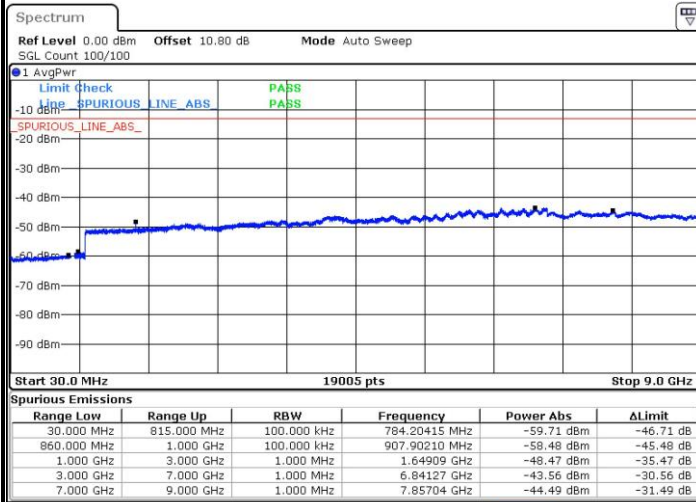


Date: 9.OCT.2016 13:47:34



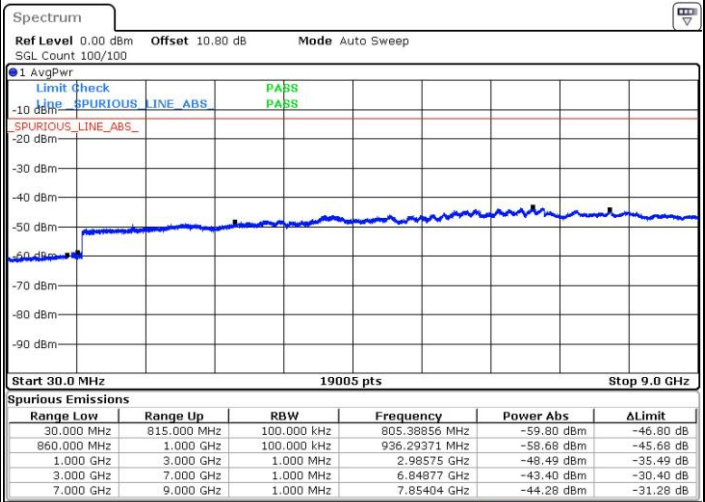
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



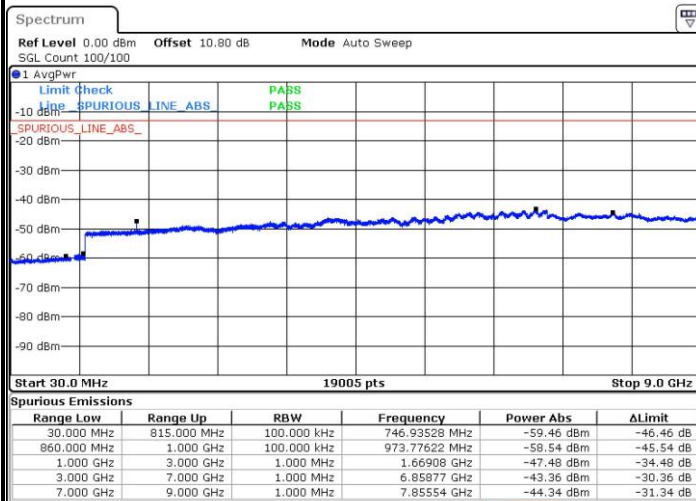
Date: 9.OCT.2016 13:55:46

## Lowest Channel / 16QAM



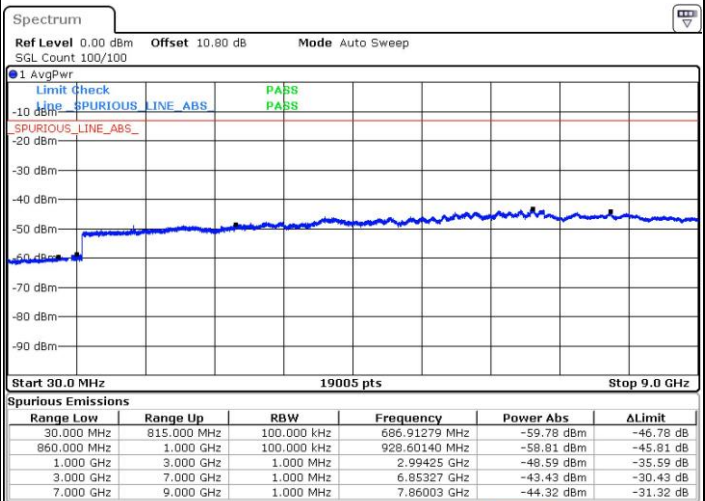
Date: 9.OCT.2016 13:56:40

## Middle Channel / QPSK



Date: 9.OCT.2016 13:58:15

## Middle Channel / 16QAM

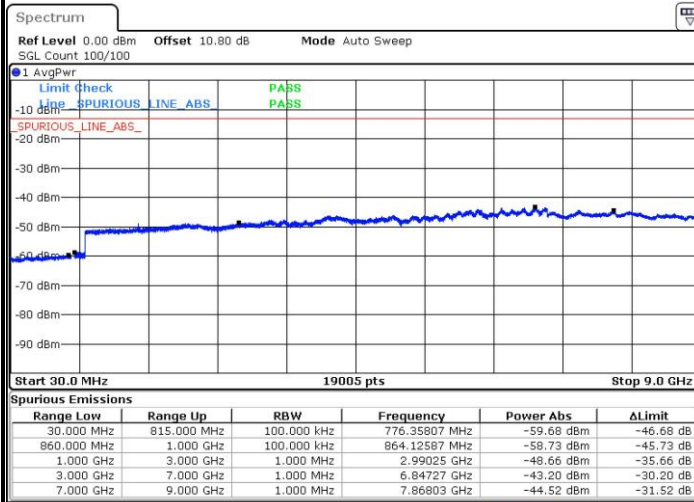


Date: 9.OCT.2016 13:59:10



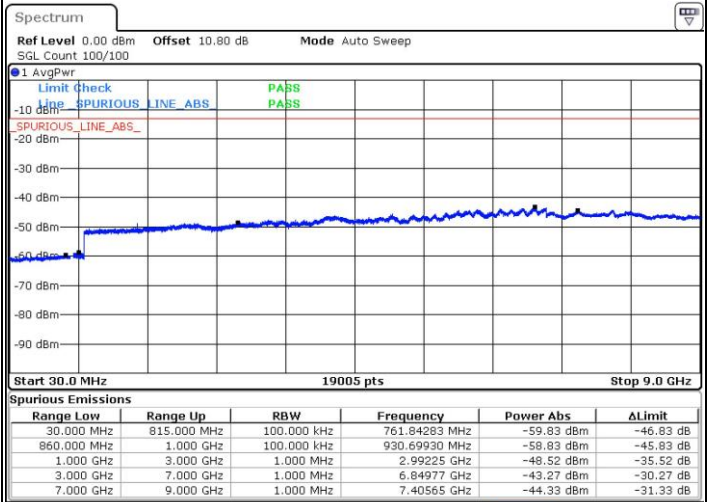
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 9.OCT.2016 14:07:21

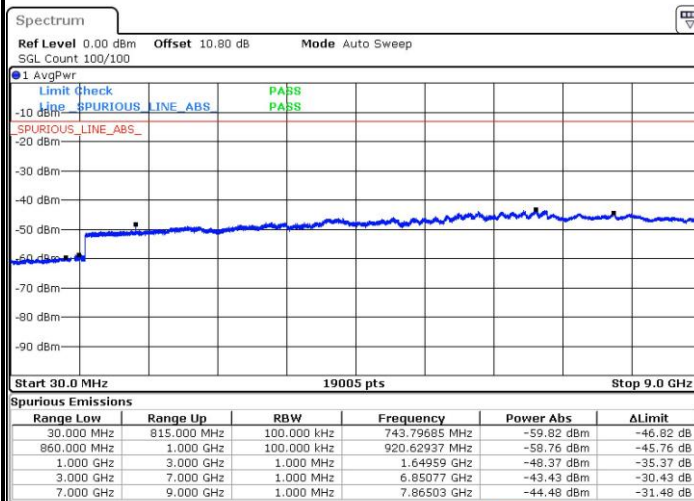
## Highest Channel / 16QAM



Date: 9.OCT.2016 14:08:16

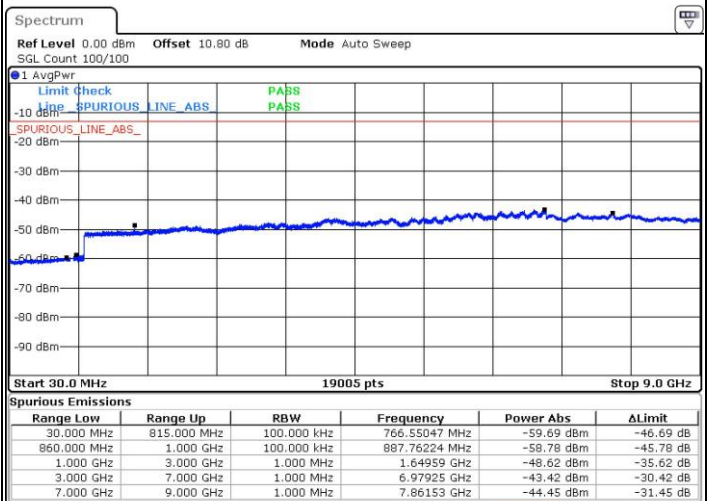
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 9.OCT.2016 14:16:28

## Lowest Channel / 16QAM

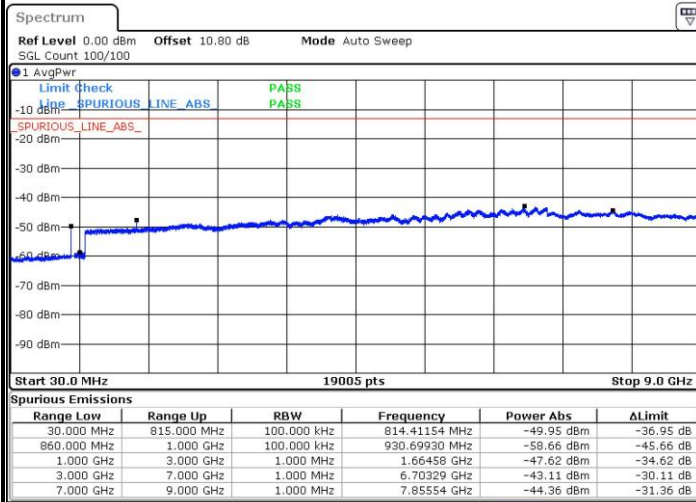


Date: 9.OCT.2016 14:22:22



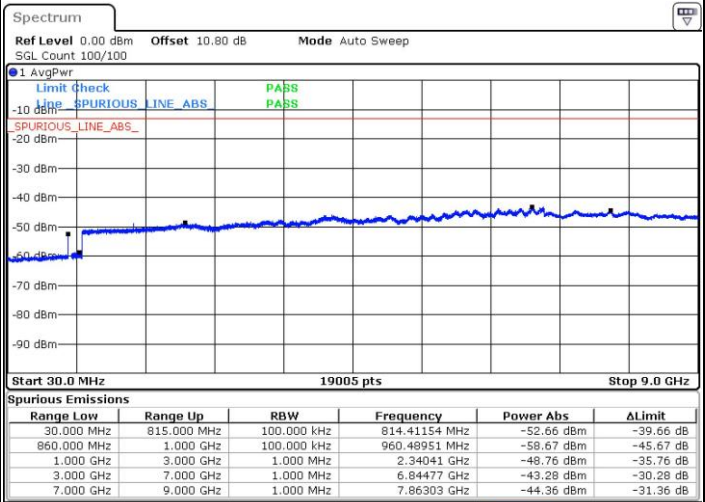
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



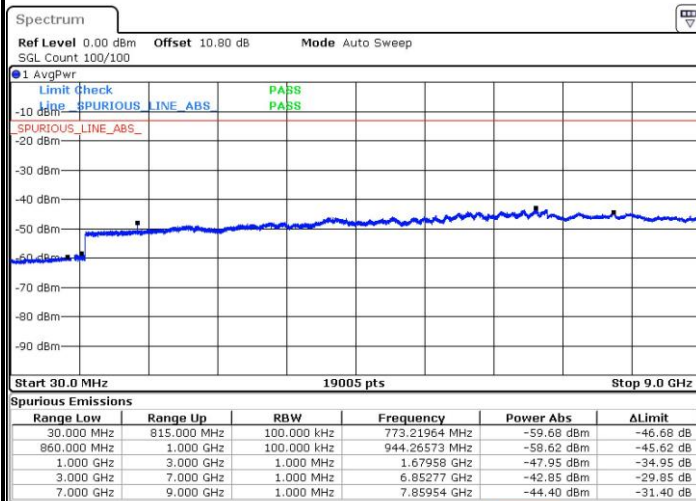
Date: 9.OCT.2016 14:23:57

## Middle Channel / 16QAM



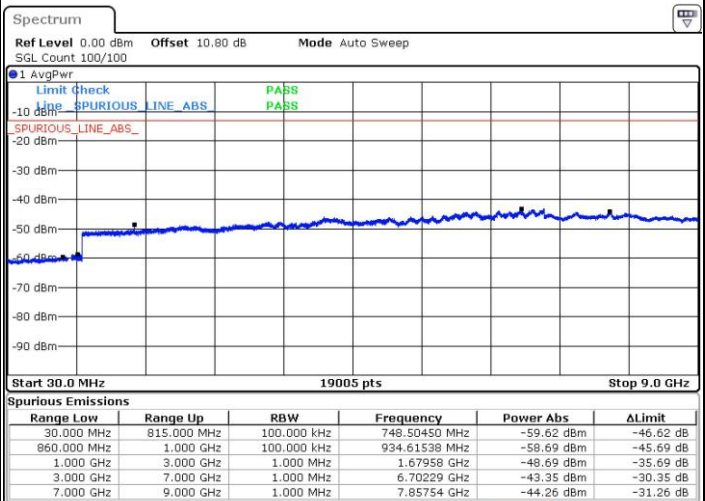
Date: 9.OCT.2016 14:24:51

## Highest Channel / QPSK



Date: 9.OCT.2016 14:33:03

## Highest Channel / 16QAM



Date: 9.OCT.2016 14:33:57

## Frequency Stability

| Test Conditions  |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | 2.5ppm |
|                  |                   | Deviation (ppm)                    | Result |
| 50               | Normal Voltage    | 0.0139                             | PASS   |
| 40               | Normal Voltage    | 0.0013                             |        |
| 30               | Normal Voltage    | 0.0006                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0120                             |        |
| 0                | Normal Voltage    | 0.0002                             |        |
| -10              | Normal Voltage    | 0.0116                             |        |
| -20              | Normal Voltage    | 0.0118                             |        |
| -30              | Normal Voltage    | 0.0007                             |        |
| 20               | Maximum Voltage   | 0.0007                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0008                             |        |

**Note:**

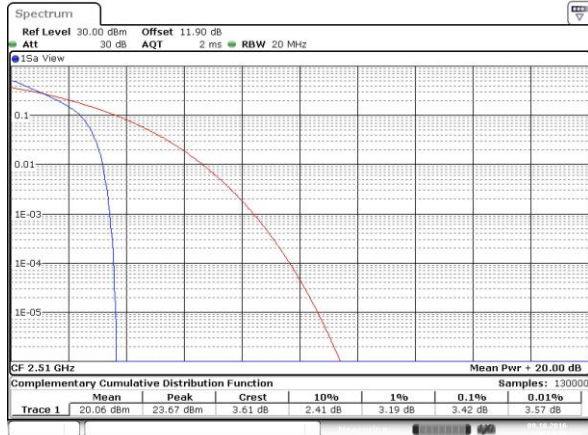
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



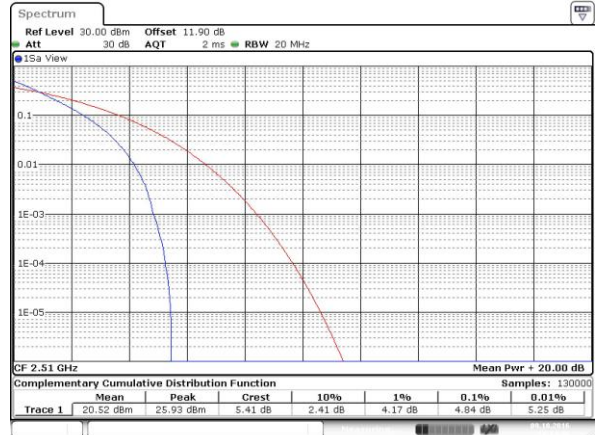
## LTE Band 7

### Peak-to-Average Ratio

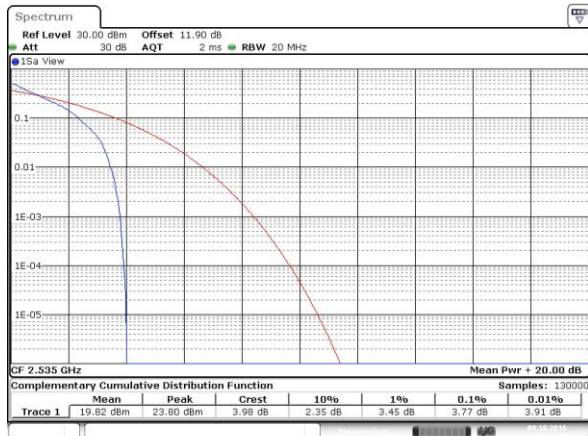
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.42               | 4.84    | 5.19  | 5.86    | PASS        |
| Middle CH  | 3.77               | 4.99    | 4.99  | 5.91    |             |
| Highest CH | 3.04               | 4.43    | 3.83  | 5.39    |             |

**LTE Band 7 / 20MHz / QPSK**
**Lowest Channel / 1RB**


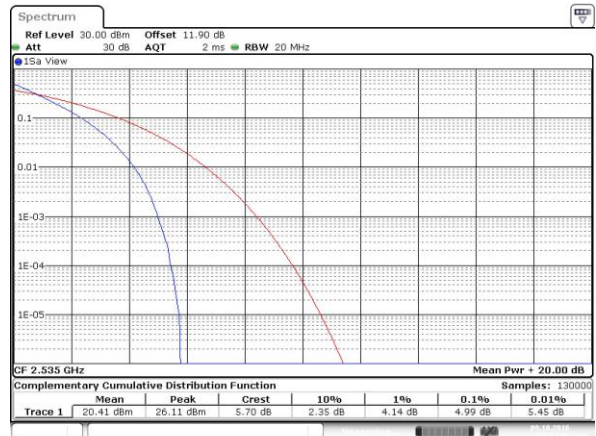
Date: 9.OCT.2016 18:13:21

**Lowest Channel / Full RB**


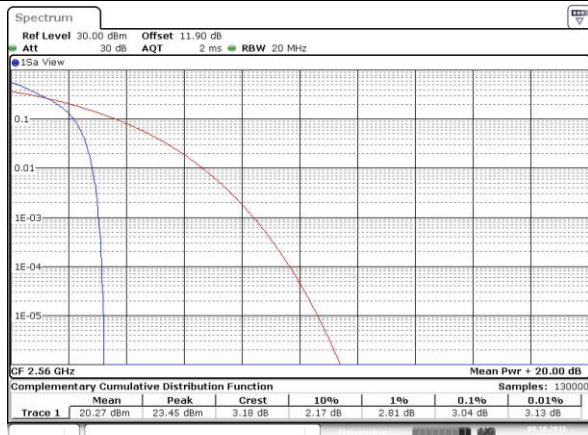
Date: 9.OCT.2016 18:13:30

**Middle Channel / 1RB**


Date: 9.OCT.2016 18:13:39

**Middle Channel / Full RB**


Date: 9.OCT.2016 18:13:49

**Highest Channel / 1RB**


Date: 9.OCT.2016 18:13:59

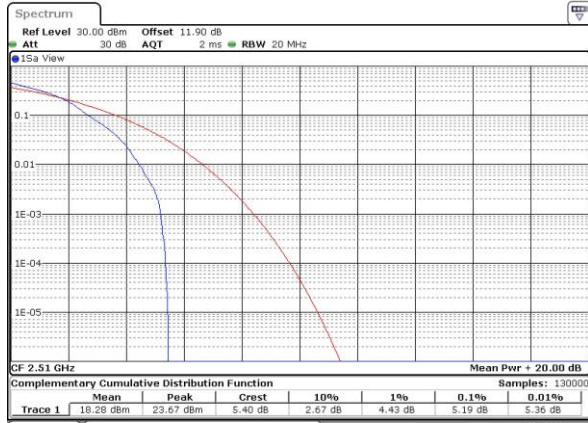
**Highest Channel / Full RB**


Date: 9.OCT.2016 18:14:08



## LTE Band 7 / 20MHz / 16QAM

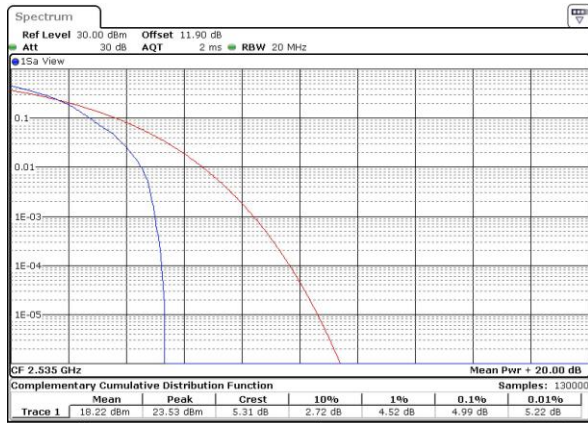
## Lowest Channel / 1RB



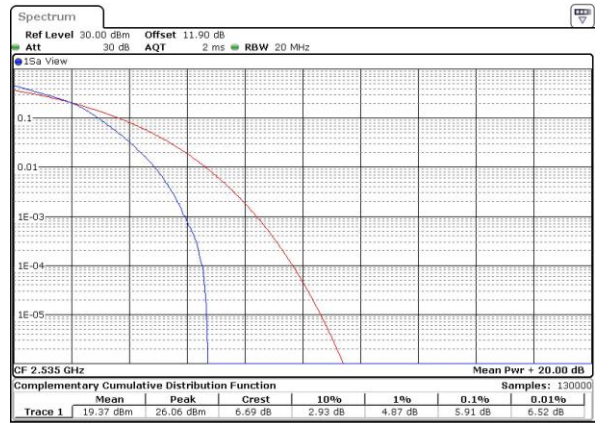
## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





## 26dB Bandwidth

| Mode       | LTE Band 7 : 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  | -                         | -     | -    | -     | 5.00 | 5.06  | 10.17 | 9.71  | 14.33 | 14.21 | 20.42 | 20.18 |
| Middle CH  | -                         | -     | -    | -     | 4.96 | 4.94  | 9.75  | 10.03 | 14.63 | 14.63 | 20.26 | 20.06 |
| Highest CH | -                         | -     | -    | -     | 5.08 | 4.98  | 9.99  | 9.75  | 14.42 | 14.45 | 20.22 | 20.30 |