

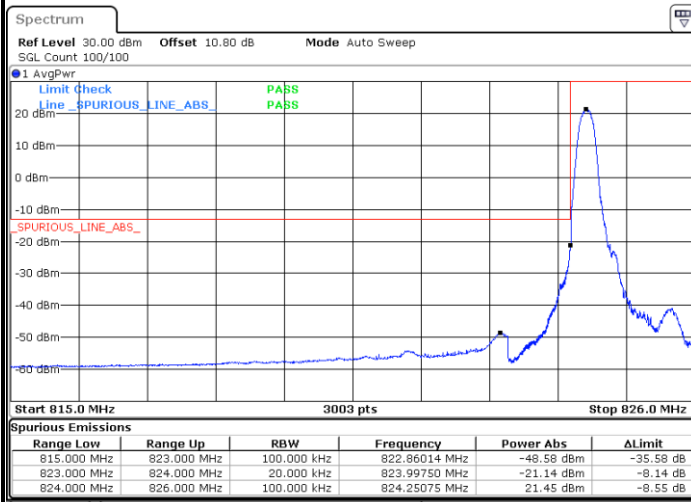


## **Conducted Band Edge**

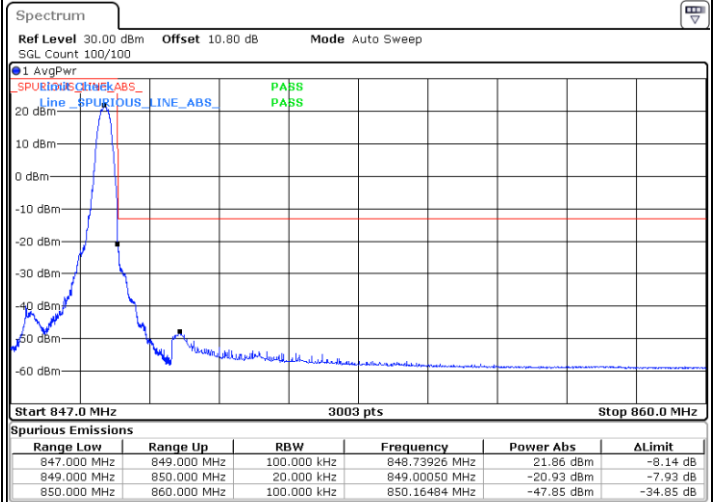


## LTE Band 5 / 1.4MHz / QPSK

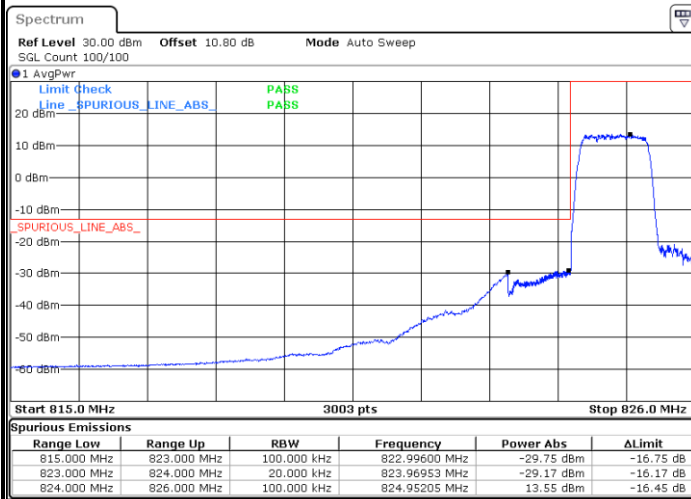
## Lowest Band Edge / 1RB



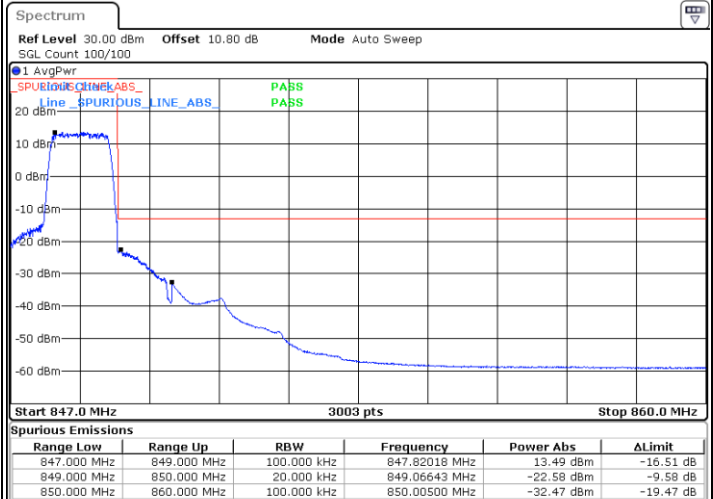
## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



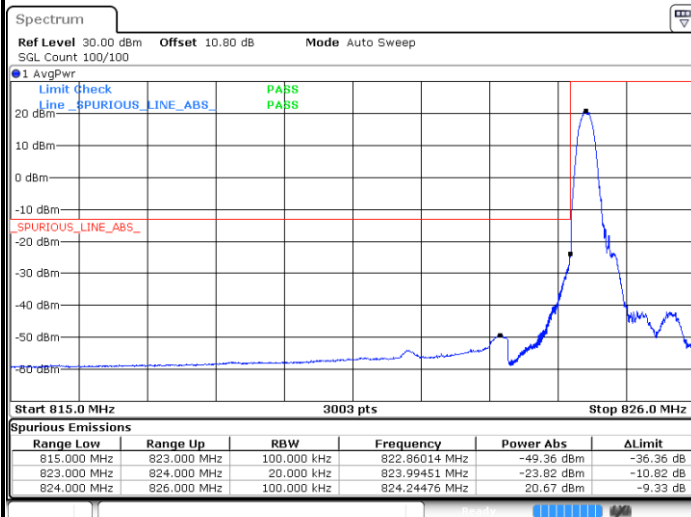
## Highest Band Edge / Full RB



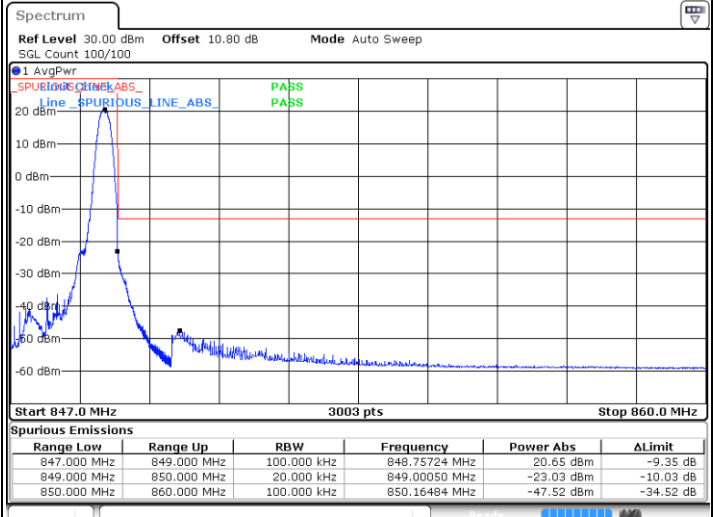


## LTE Band 5 / 1.4MHz / 16QAM

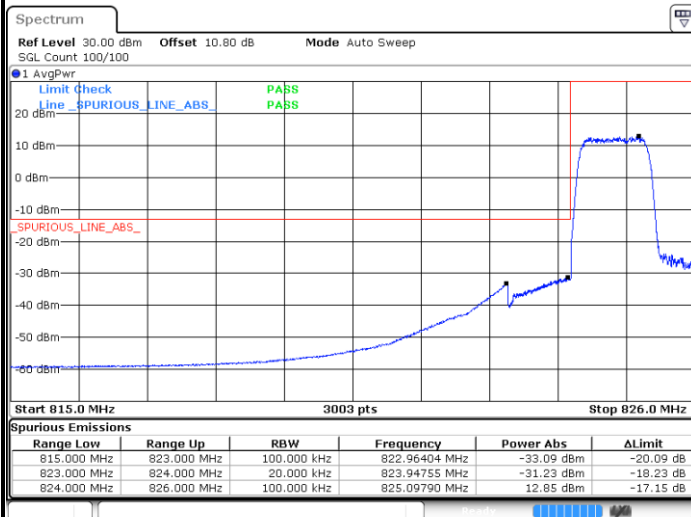
## Lowest Band Edge / 1 RB



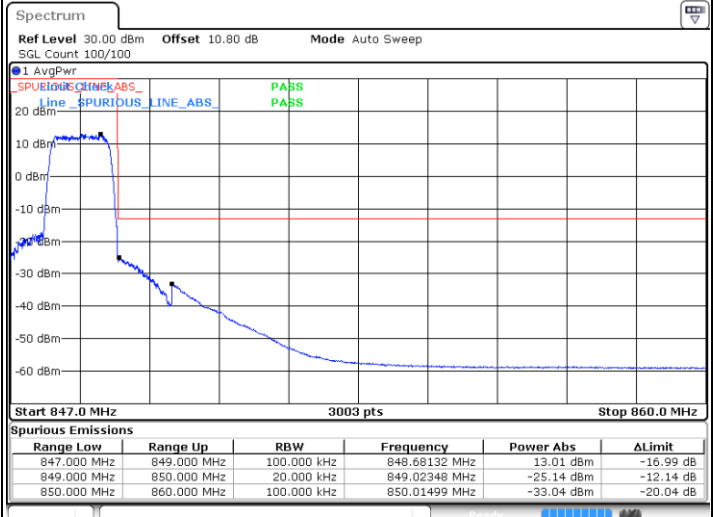
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



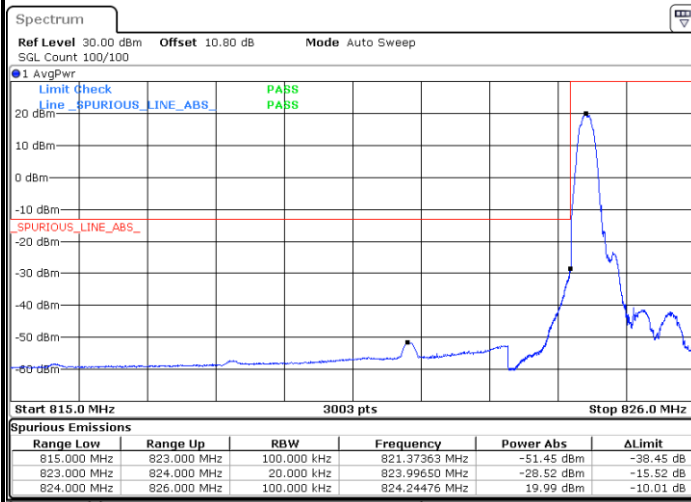
## Highest Band Edge / Full RB





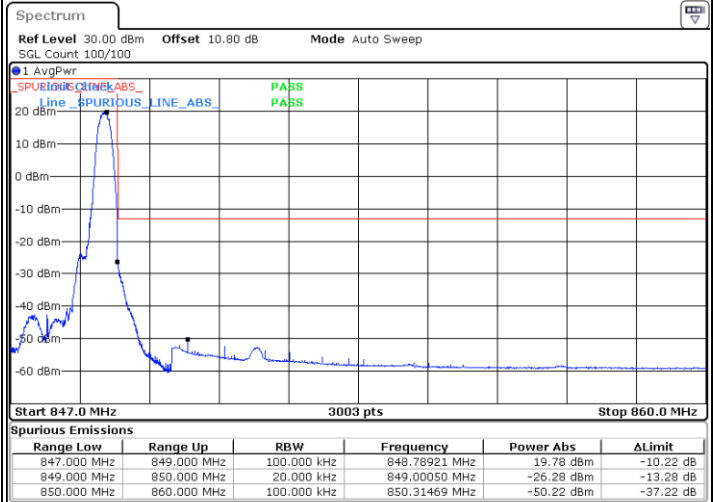
## LTE Band 5 / 1.4MHz / 64QAM

## Lowest Band Edge / 1 RB



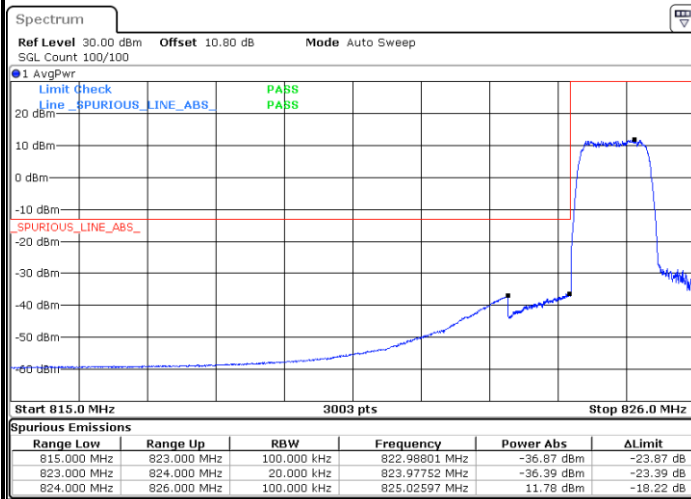
Date: 5.OCT.2017 15:09:11

## Highest Band Edge / 1 RB



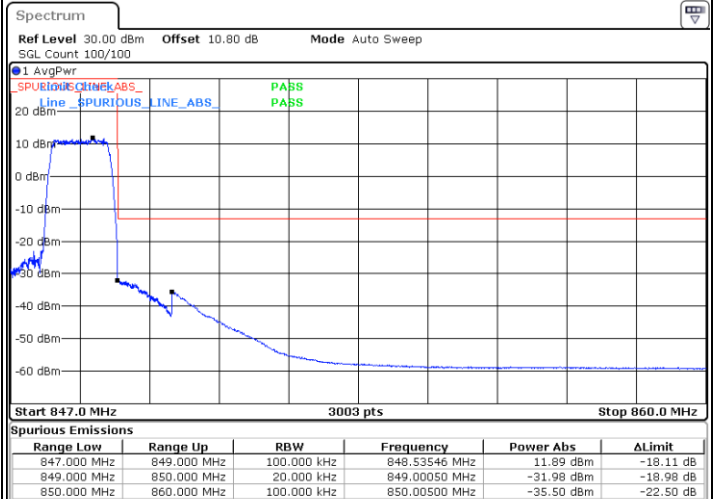
Date: 5.OCT.2017 15:16:35

## Lowest Band Edge / Full RB



Date: 5.OCT.2017 15:10:49

## Highest Band Edge / Full RB

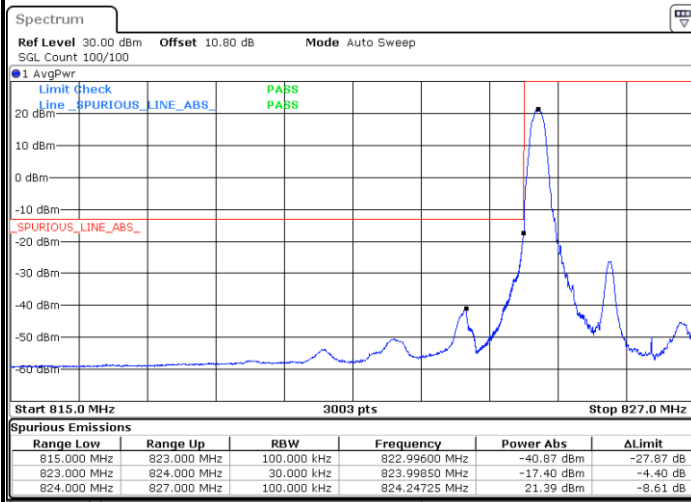


Date: 5.OCT.2017 15:14:56

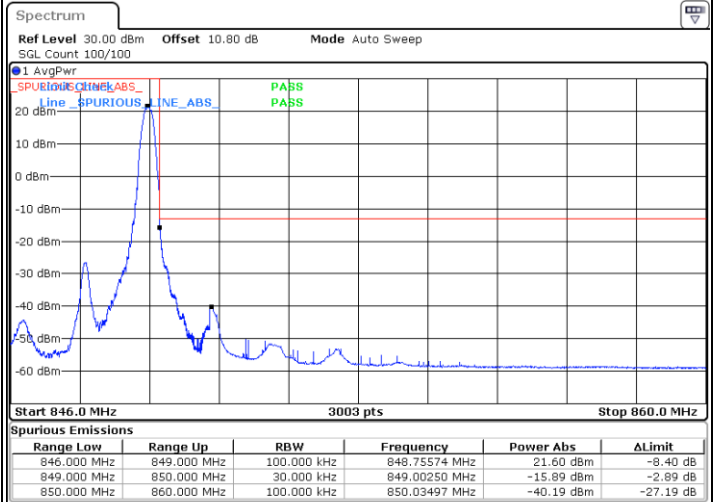


## LTE Band 5 / 3MHz / QPSK

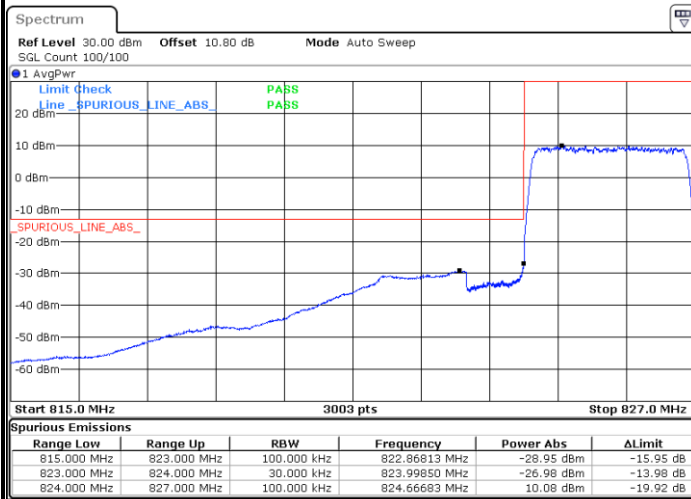
## Lowest Band Edge / 1RB



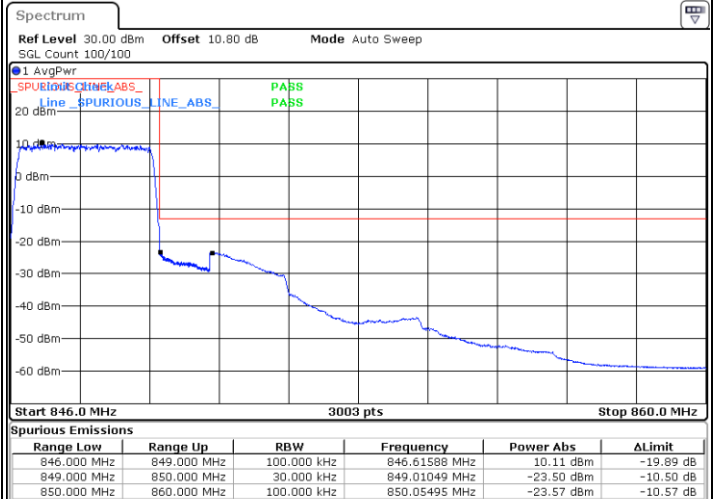
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



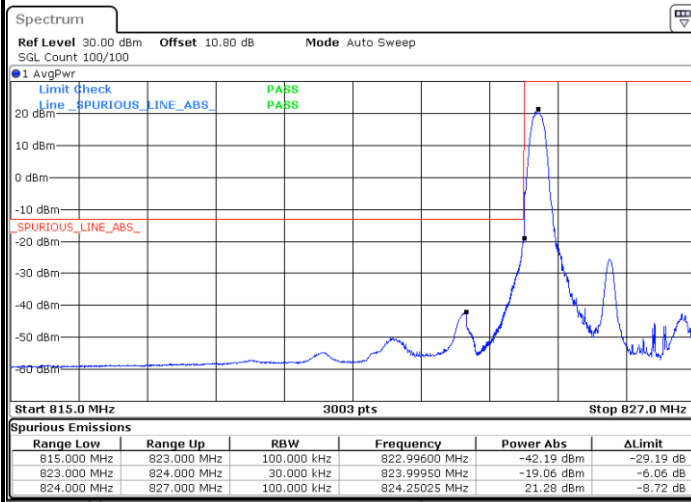
## Highest Band Edge / Full RB





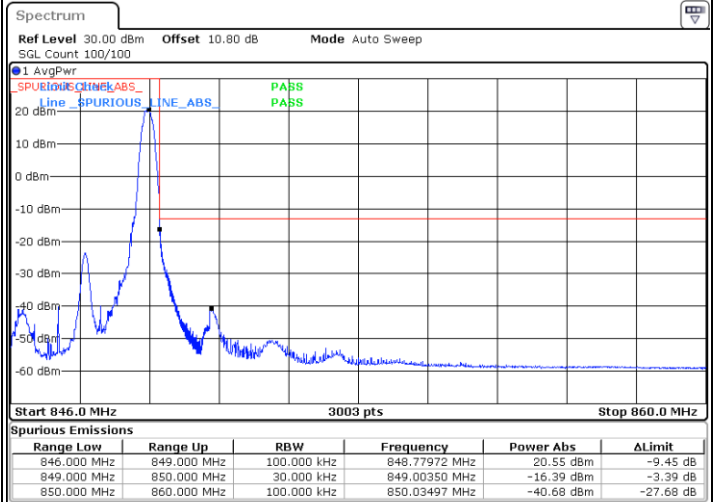
## LTE Band 5 / 3MHz / 16QAM

## Lowest Band Edge / 1 RB



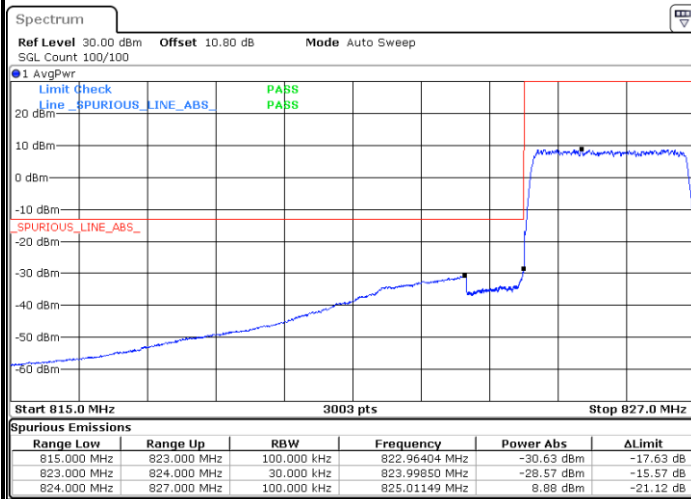
Date: 25 AUG 2017 15:36:46

## Highest Band Edge / 1 RB



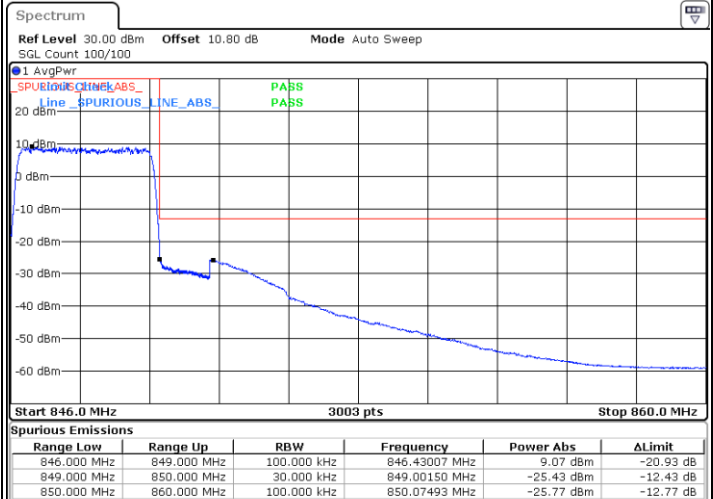
Date: 25 AUG 2017 15:48:16

## Lowest Band Edge / Full RB



Date: 25 AUG 2017 15:40:03

## Highest Band Edge / Full RB

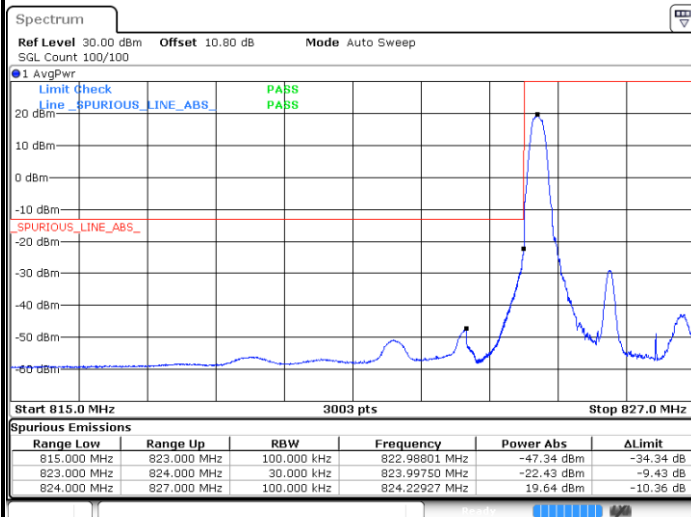


Date: 25 AUG 2017 15:51:33

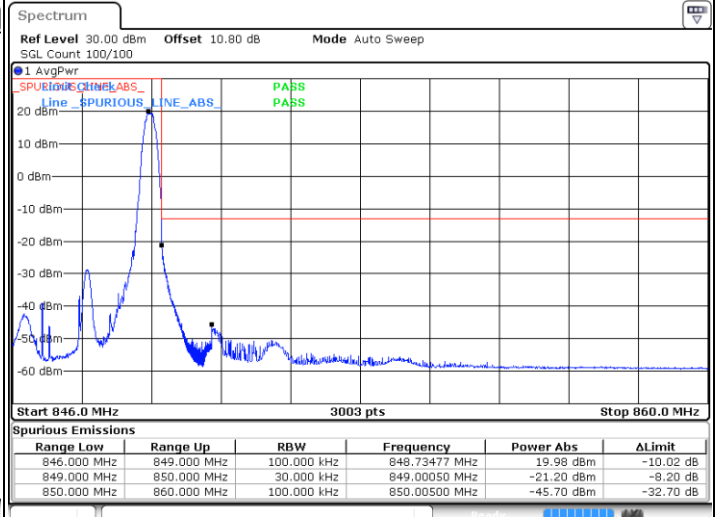


## LTE Band 5 / 3MHz / 64QAM

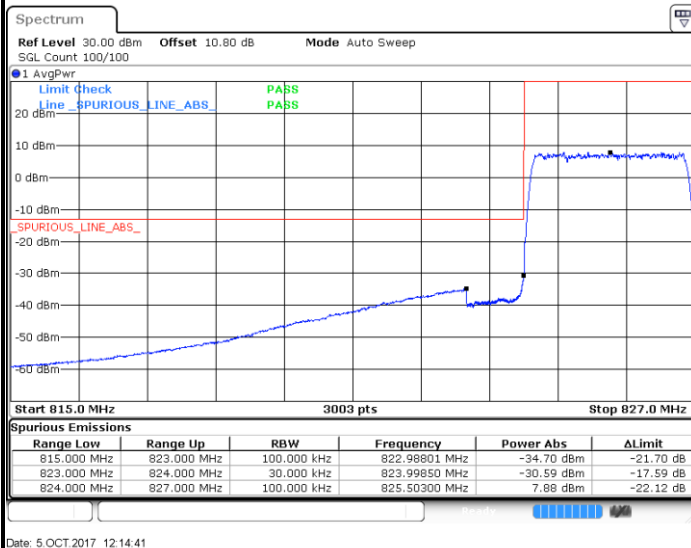
## Lowest Band Edge / 1 RB



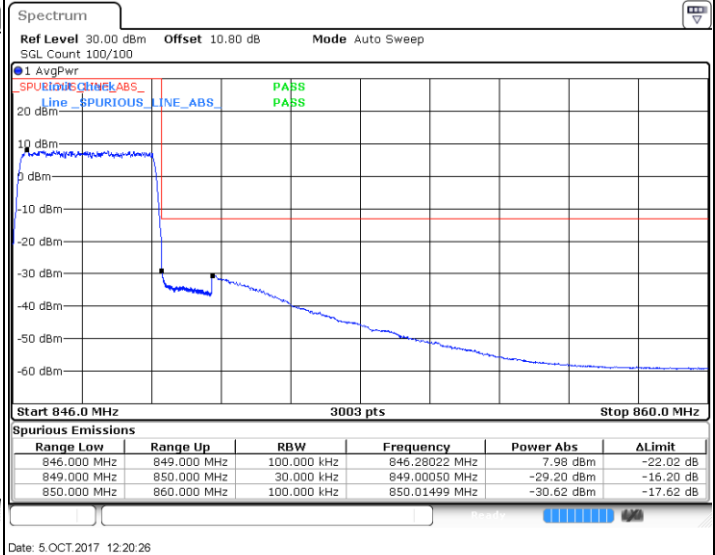
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



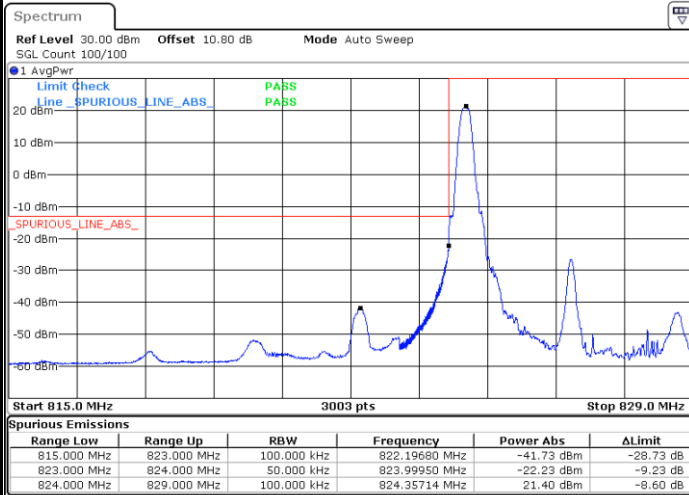
## Highest Band Edge / Full RB



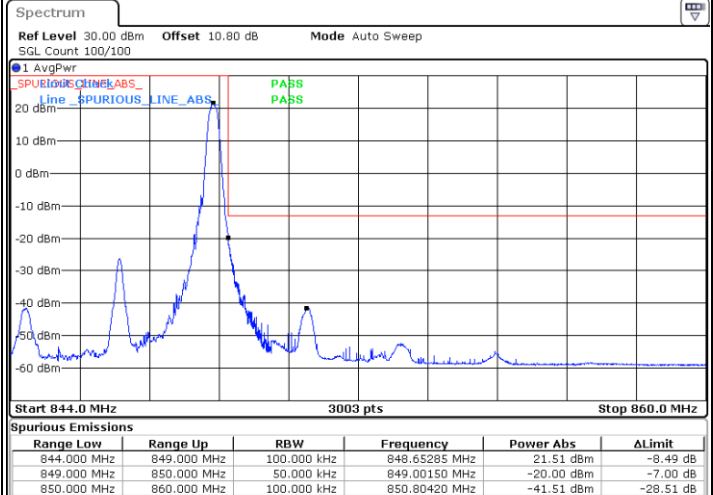


## LTE Band 5 / 5MHz / QPSK

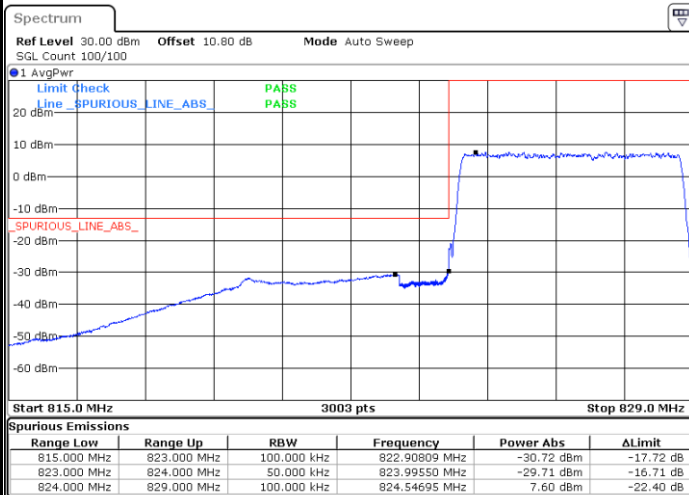
## Lowest Band Edge / 1 RB



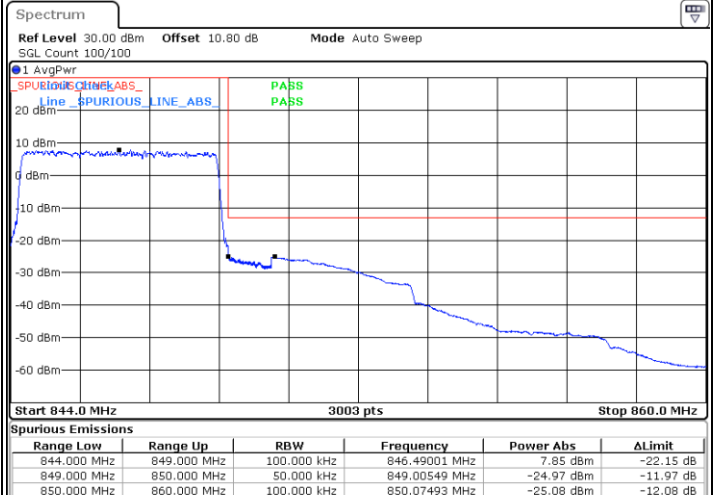
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



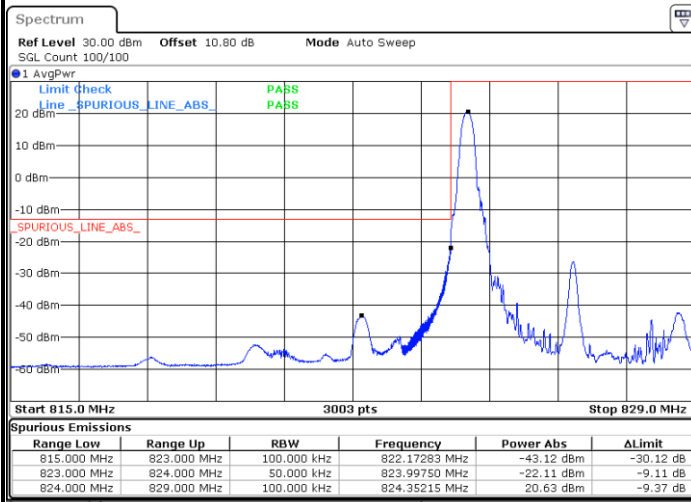
## Highest Band Edge / Full RB



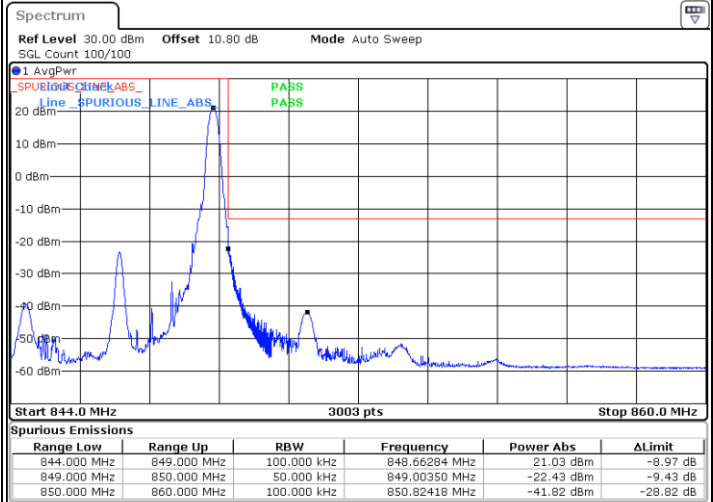


## LTE Band 5 / 5MHz / 16QAM

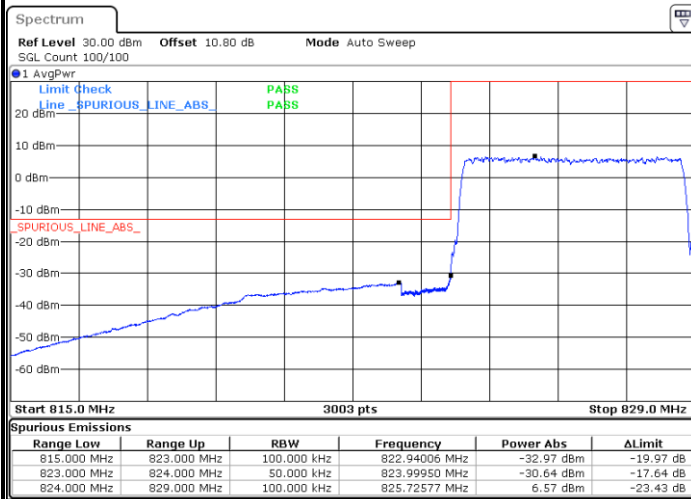
## Lowest Band Edge / 1RB



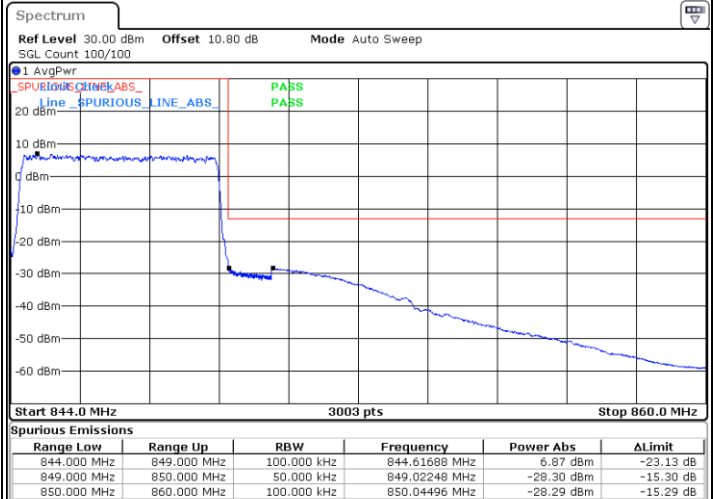
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



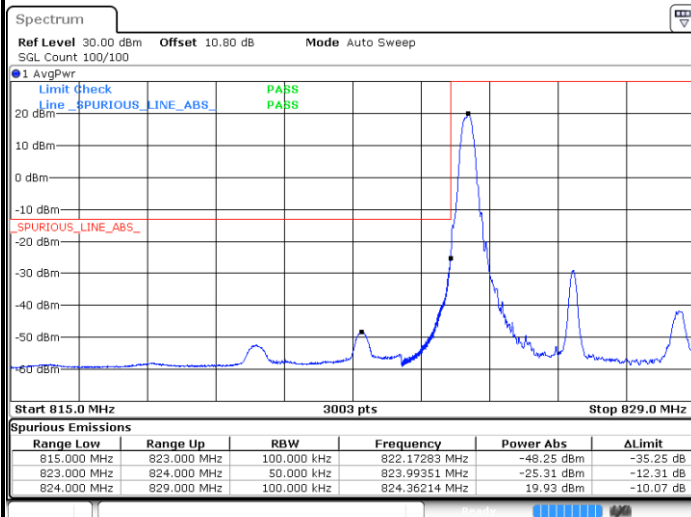
## Highest Band Edge / Full RB



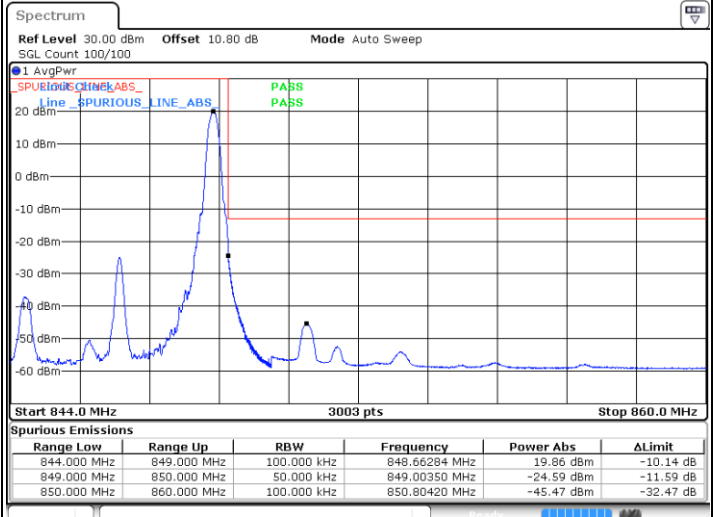


## LTE Band 5 / 5MHz / 64QAM

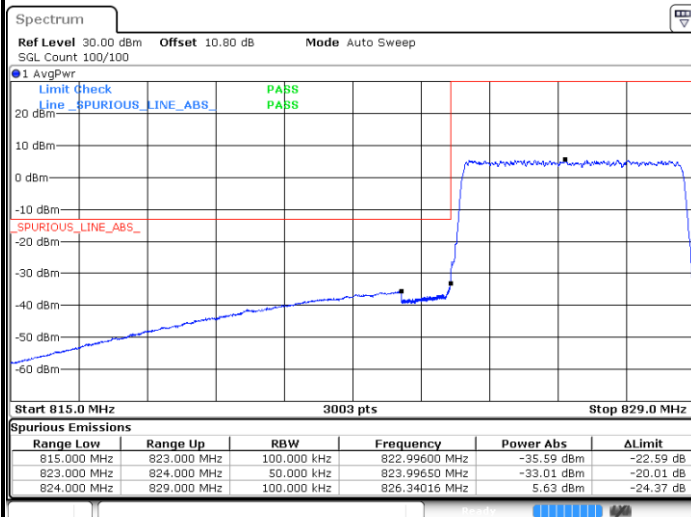
## Lowest Band Edge / 1RB



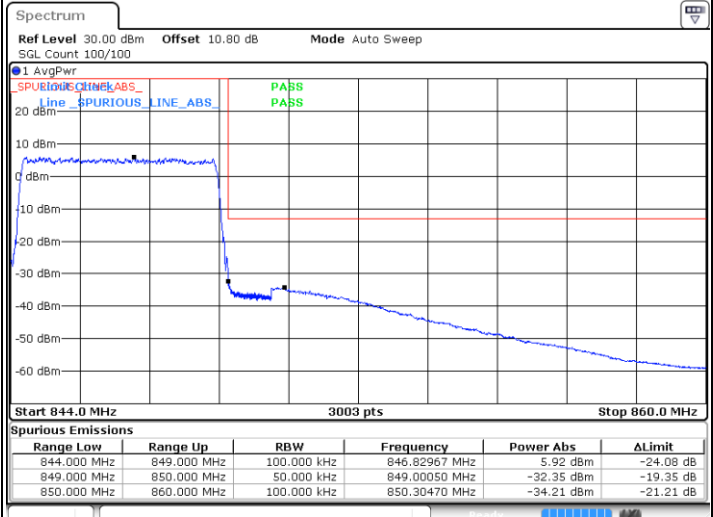
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



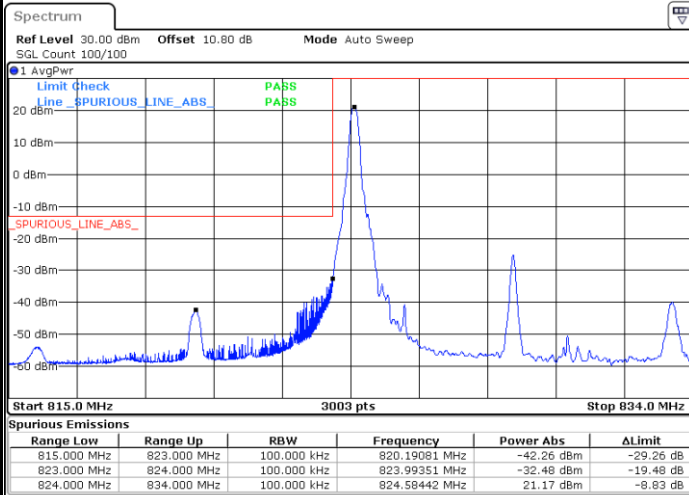
## Highest Band Edge / Full RB



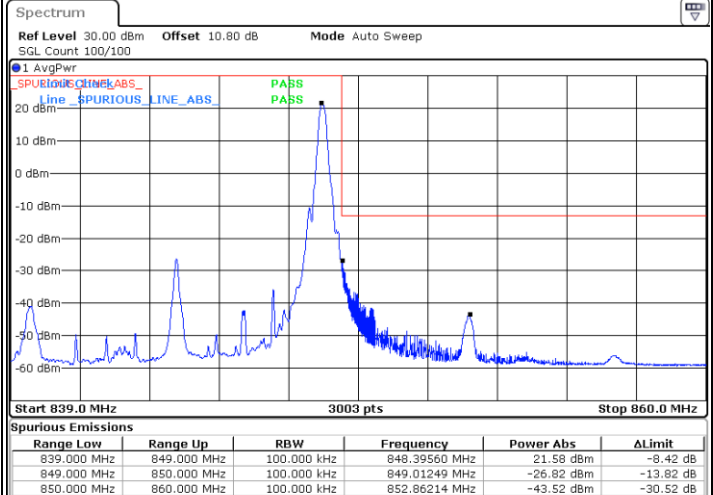


## LTE Band 5 / 10MHz / QPSK

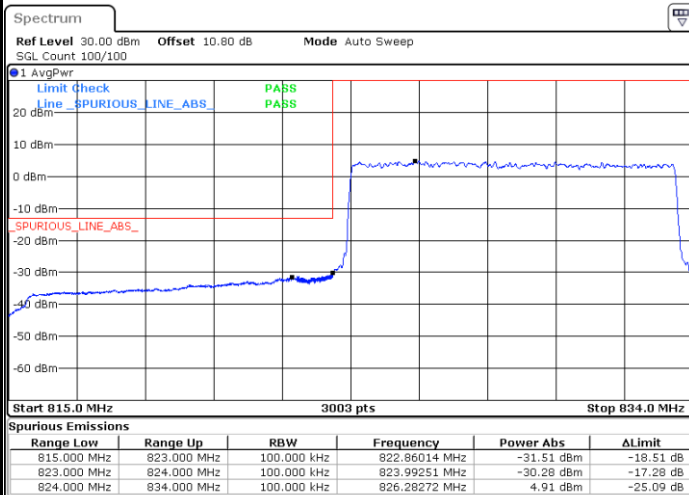
## Lowest Band Edge / 1 RB



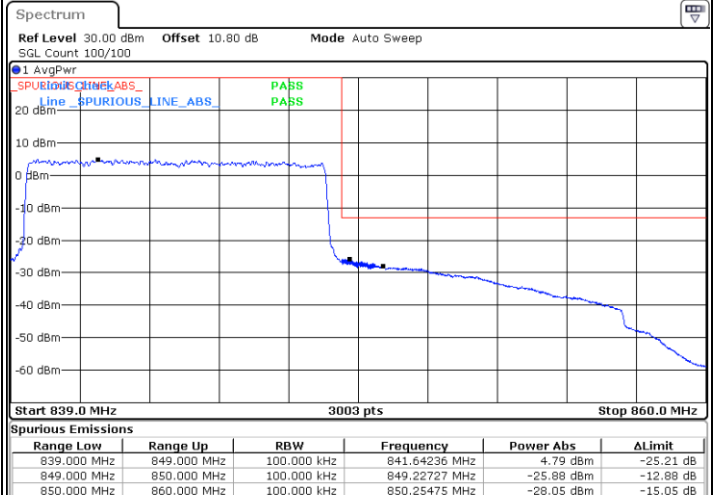
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



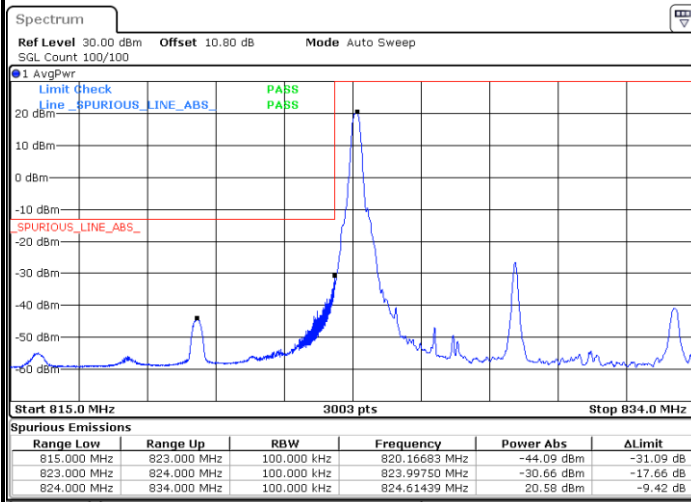
## Highest Band Edge / Full RB



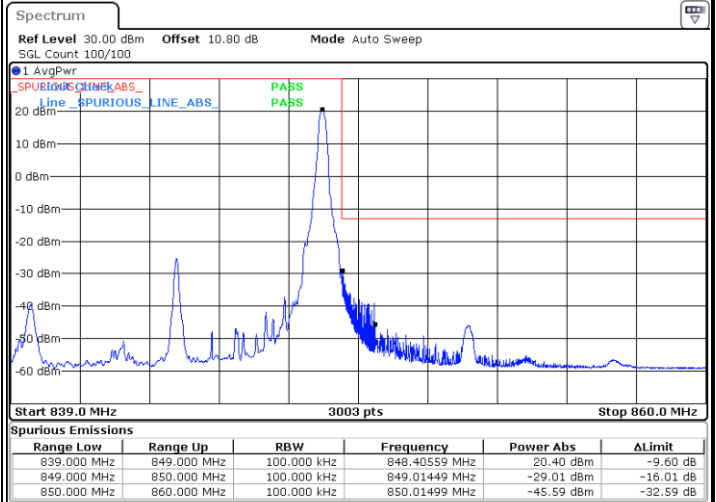


## LTE Band 5 / 10MHz / 16QAM

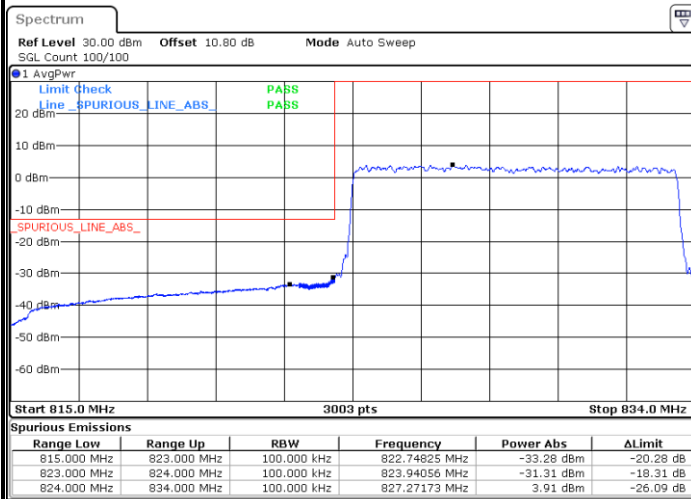
## Lowest Band Edge / 1 RB



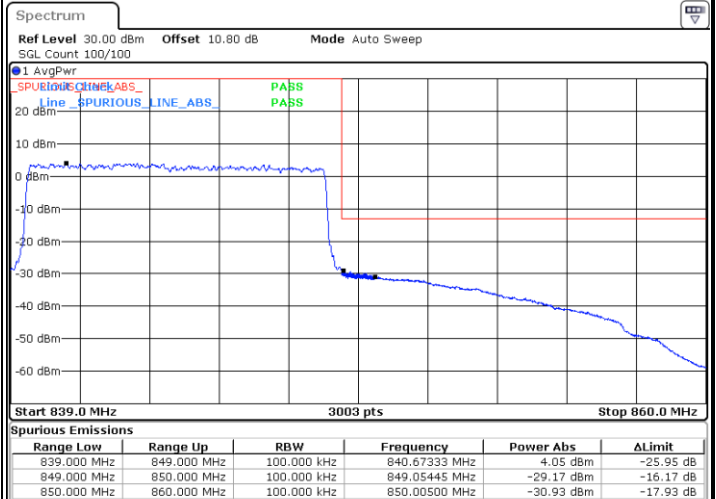
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



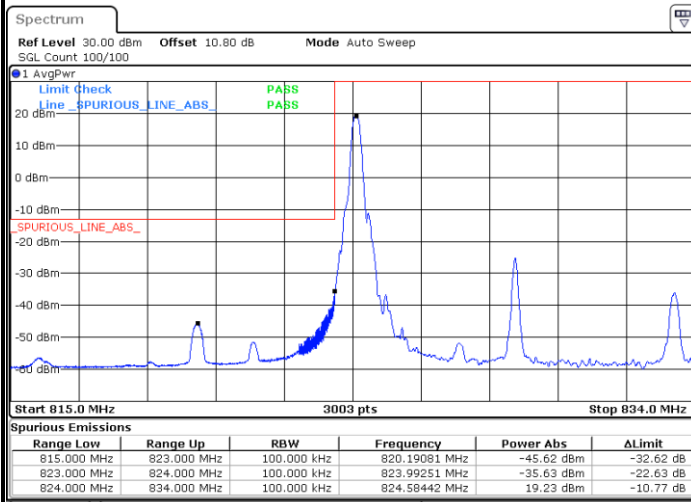
## Highest Band Edge / Full RB



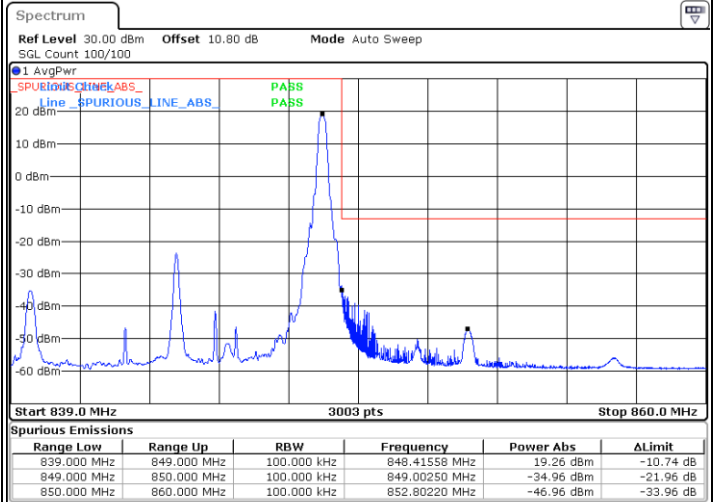


## LTE Band 5 / 10MHz / 64QAM

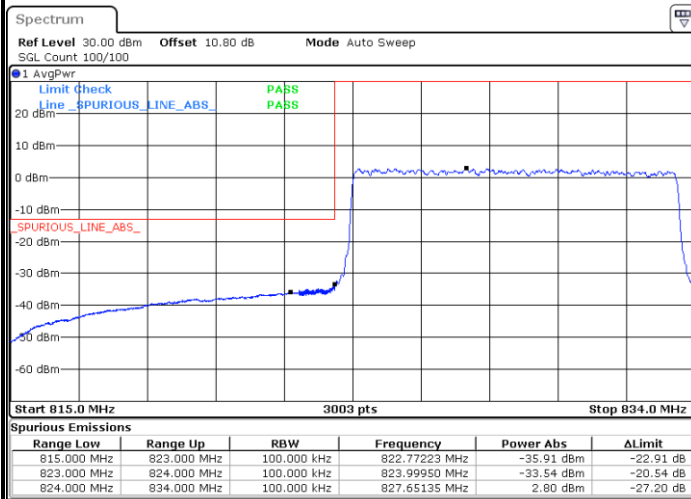
## Lowest Band Edge / 1 RB



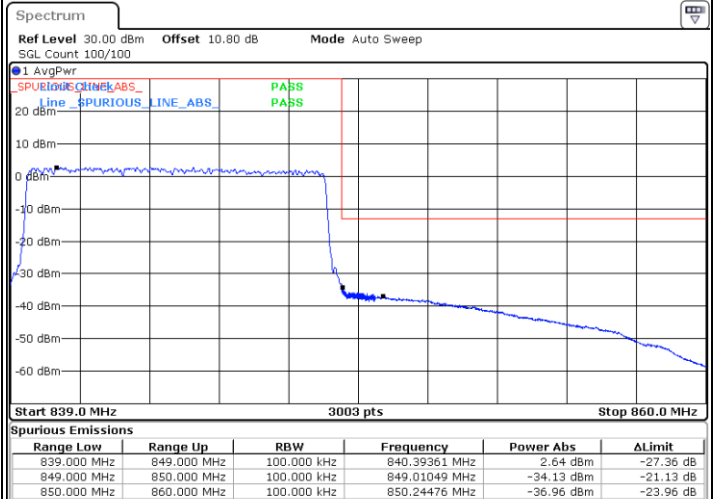
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



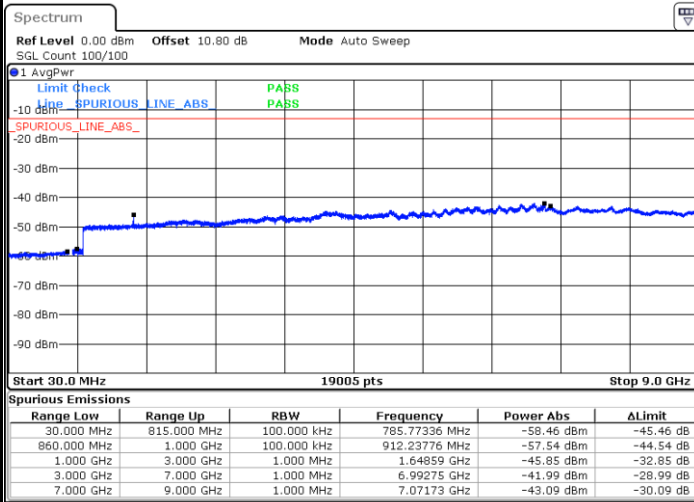


## **Conducted Spurious Emission**



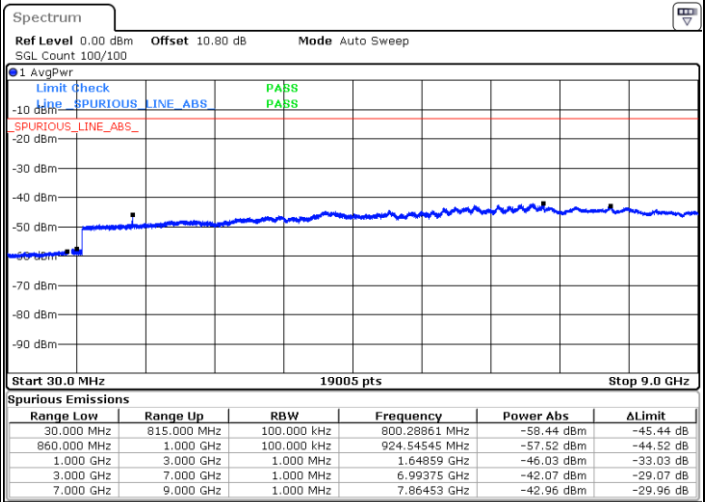
## LTE Band 5 / 1.4MHz

## Lowest Channel / QPSK



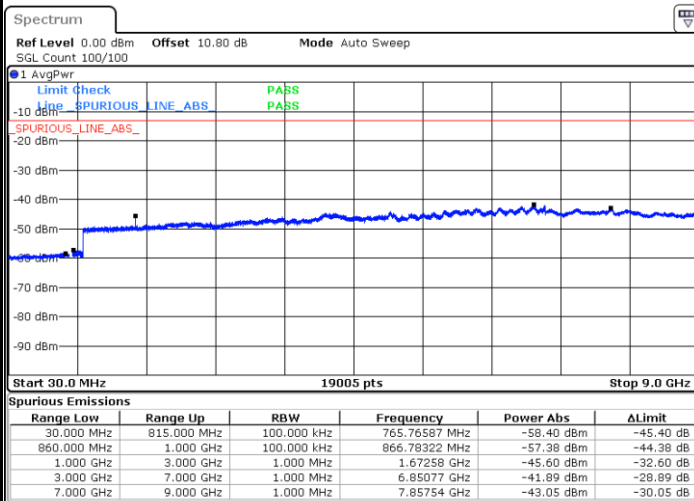
Date: 25 AUG 2017 15:20:26

## Lowest Channel / 16QAM



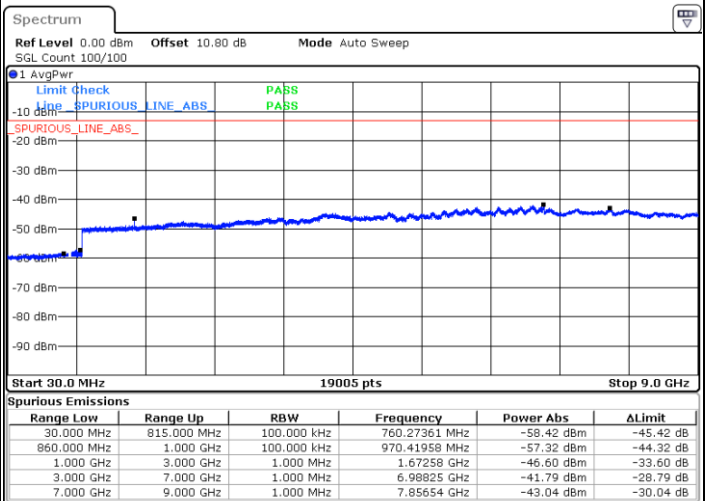
Date: 25 AUG 2017 15:21:19

## Middle Channel / QPSK



Date: 25 AUG 2017 15:22:53

## Middle Channel / 16QAM

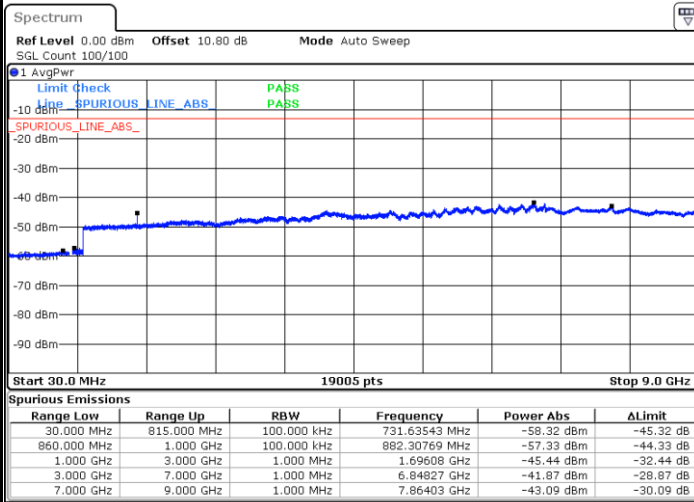


Date: 25 AUG 2017 15:23:47



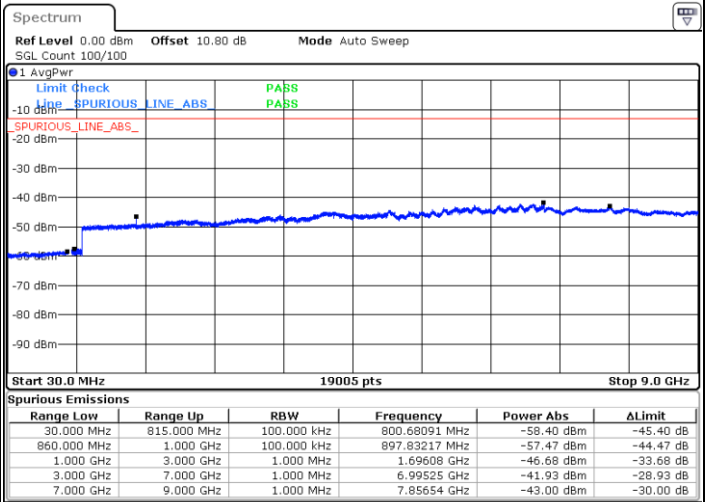
## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK



Date: 25 AUG 2017 15:31:55

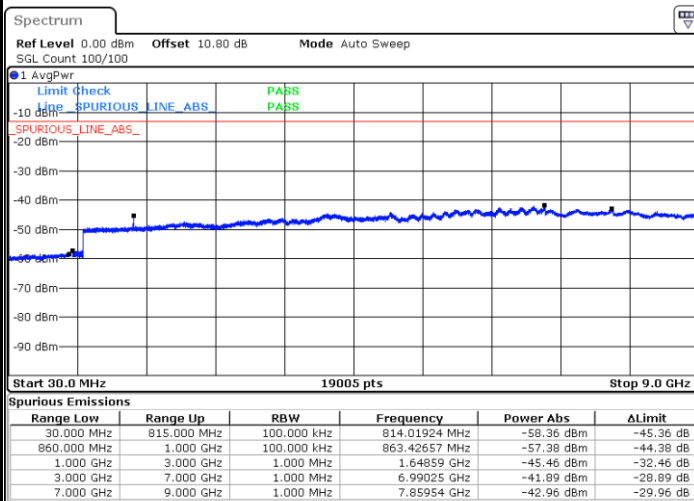
## Highest Channel / 16QAM



Date: 25 AUG 2017 15:32:49

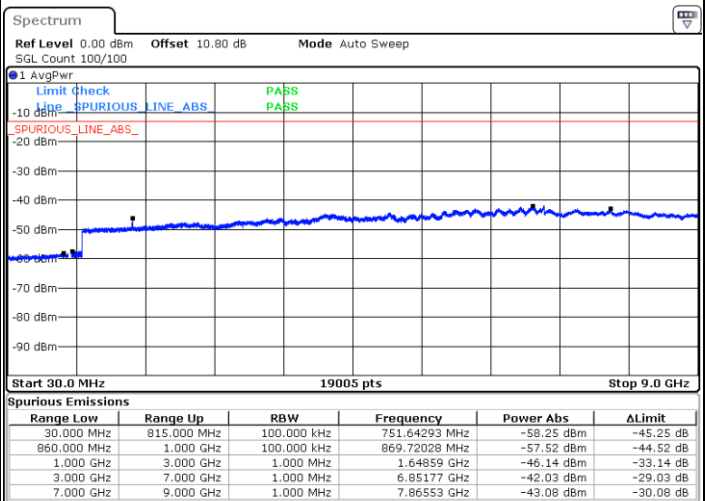
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



Date: 25 AUG 2017 15:40:57

## Lowest Channel / 16QAM

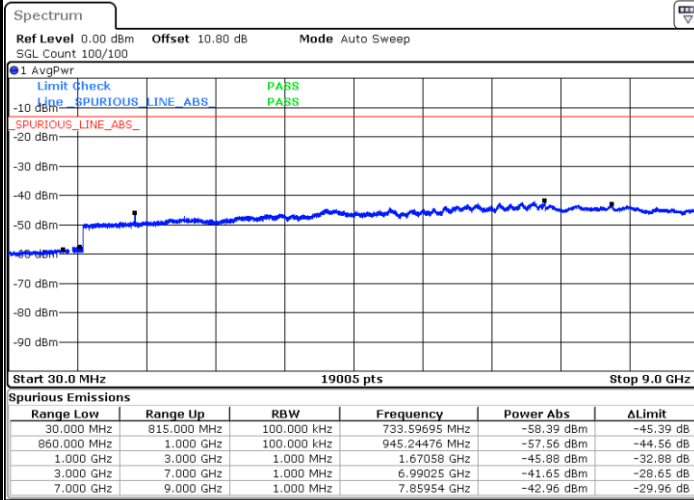


Date: 25 AUG 2017 15:41:51



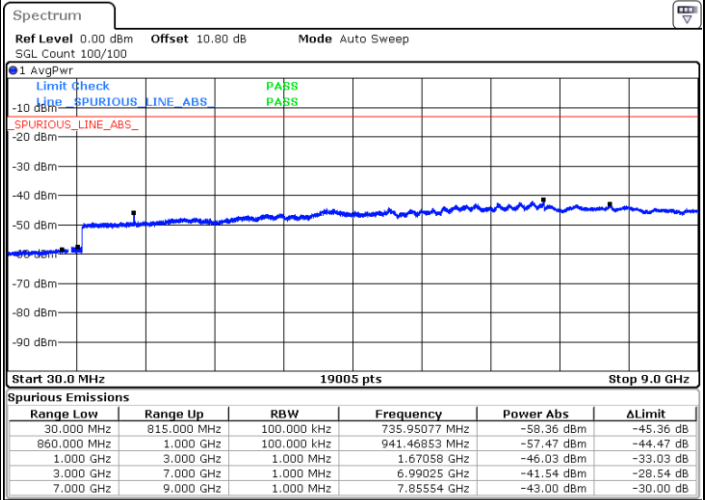
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



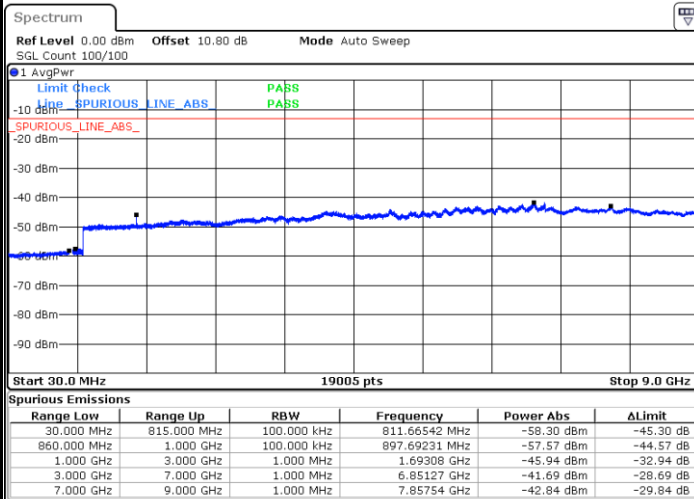
Date: 25 AUG 2017 15:43:25

## Middle Channel / 16QAM



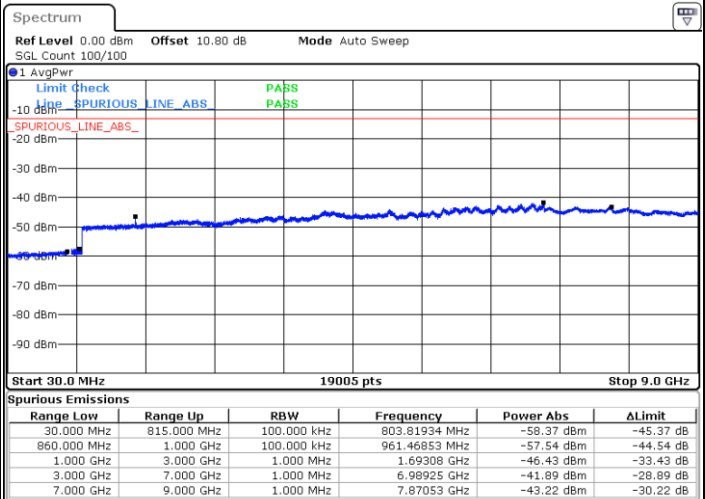
Date: 25 AUG 2017 15:44:19

## Highest Channel / QPSK



Date: 25 AUG 2017 15:52:27

## Highest Channel / 16QAM

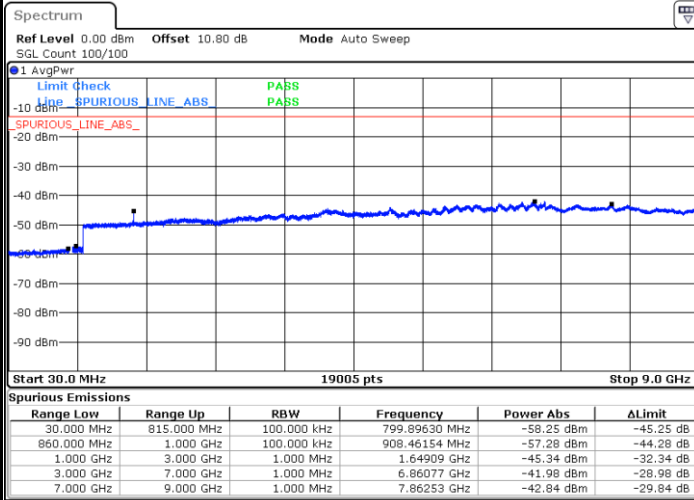


Date: 25 AUG 2017 15:53:21



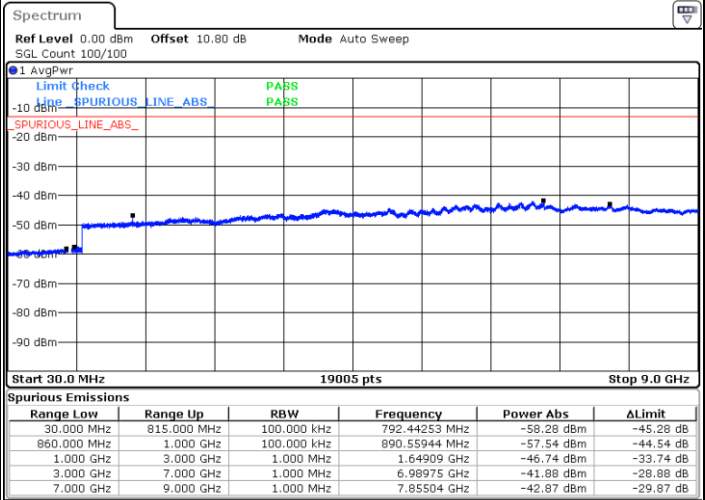
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



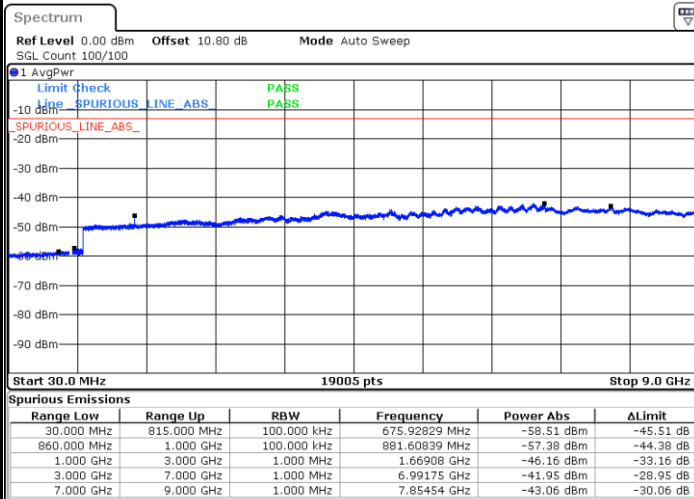
Date: 25 AUG 2017 16:01:30

## Lowest Channel / 16QAM



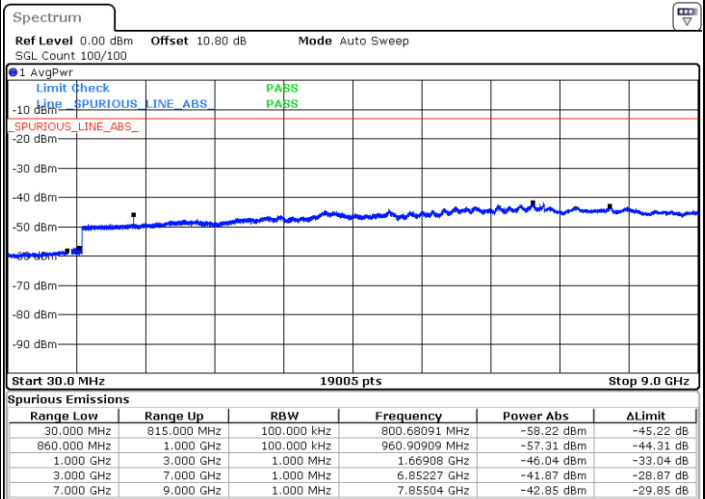
Date: 25 AUG 2017 16:02:23

## Middle Channel / QPSK



Date: 25 AUG 2017 16:03:57

## Middle Channel / 16QAM

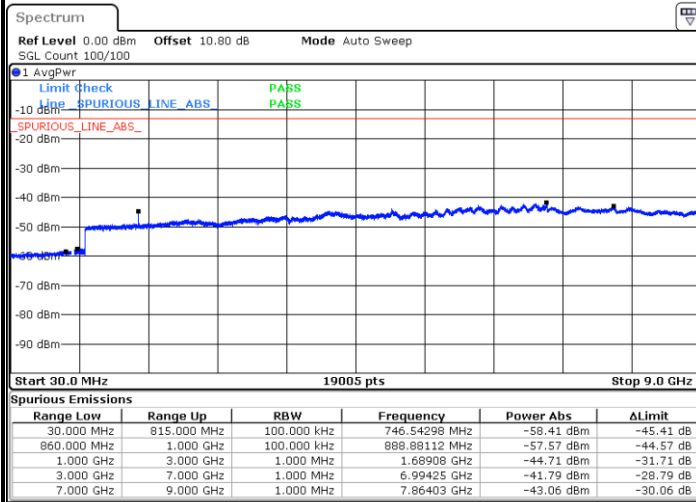


Date: 25 AUG 2017 16:04:51



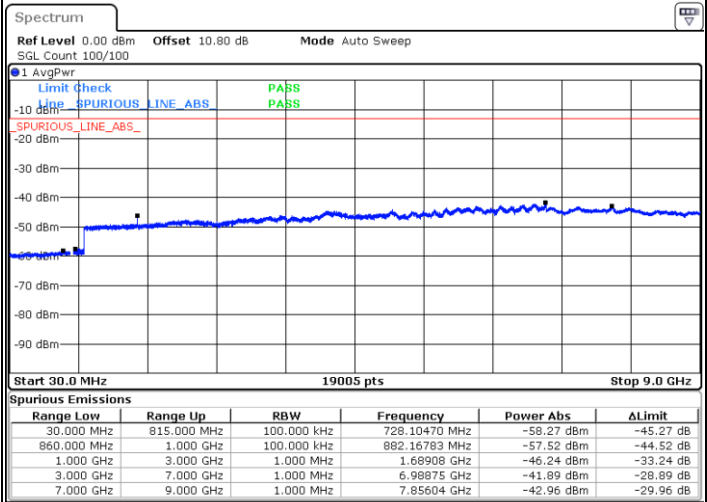
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 25 AUG 2017 16:12:59

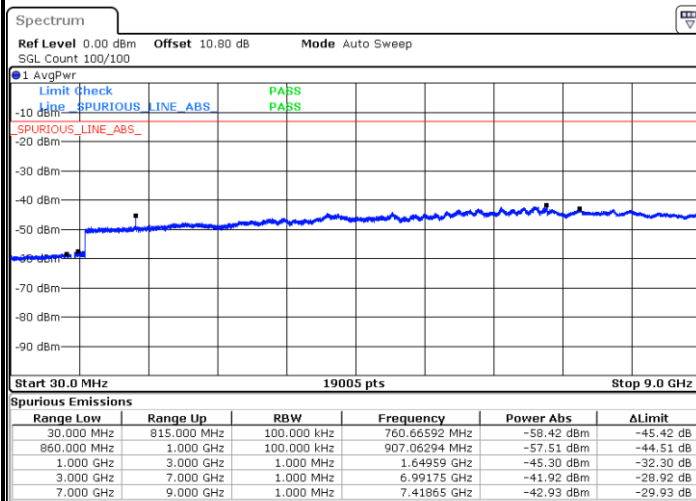
## Highest Channel / 16QAM



Date: 25 AUG 2017 16:13:53

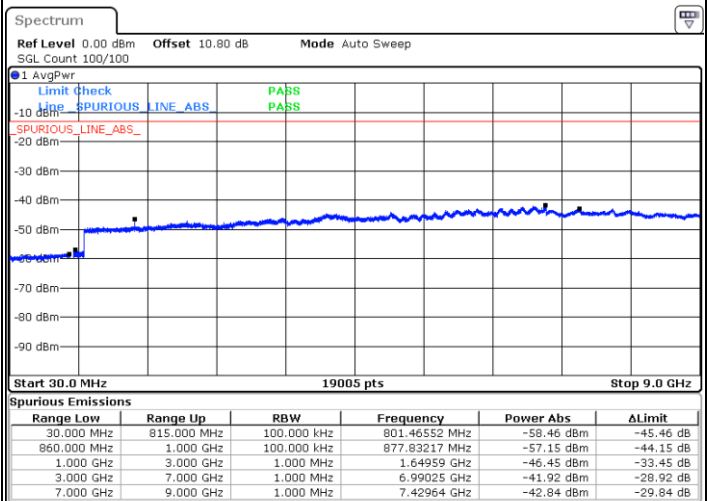
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 25 AUG 2017 16:22:02

## Lowest Channel / 16QAM

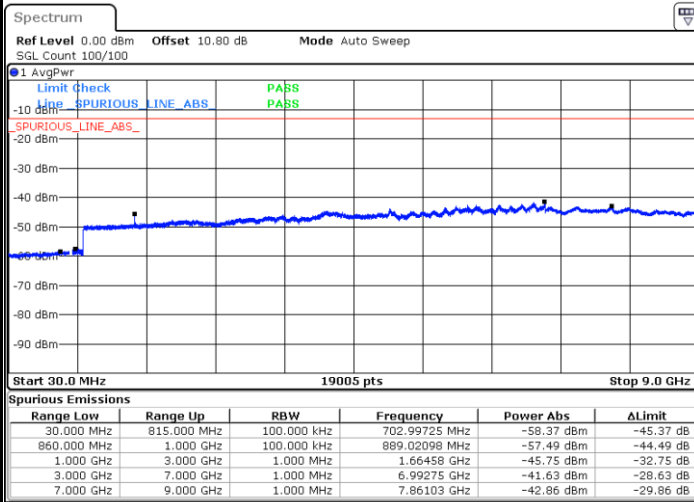


Date: 25 AUG 2017 16:22:55



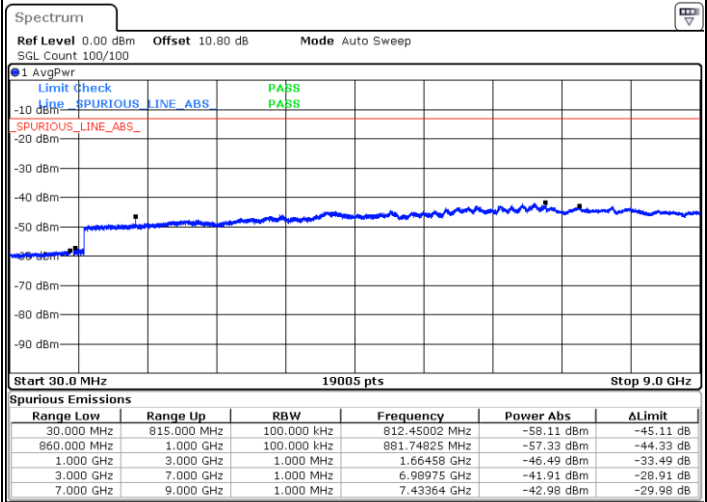
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



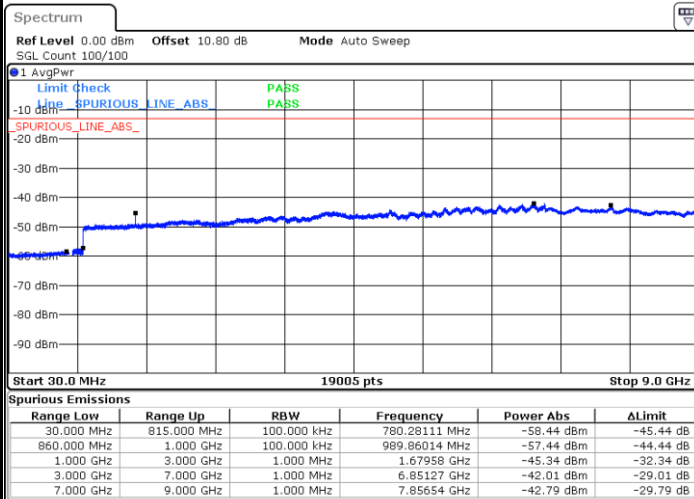
Date: 25 AUG 2017 16:24:29

## Middle Channel / 16QAM



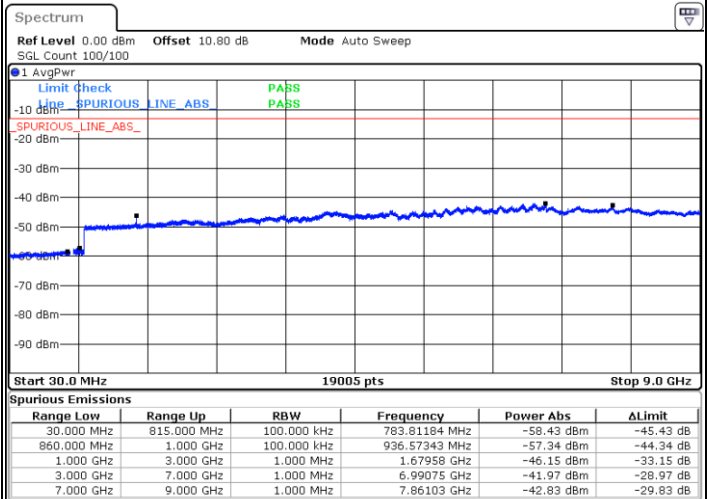
Date: 25 AUG 2017 16:25:23

## Highest Channel / QPSK



Date: 25 AUG 2017 16:33:32

## Highest Channel / 16QAM

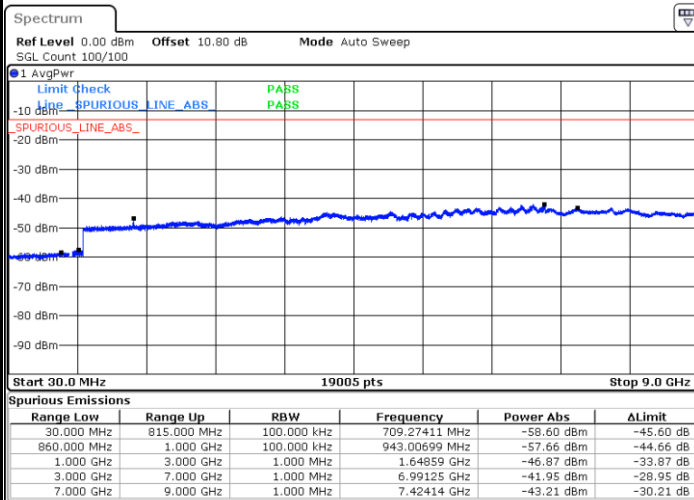


Date: 25 AUG 2017 16:34:25



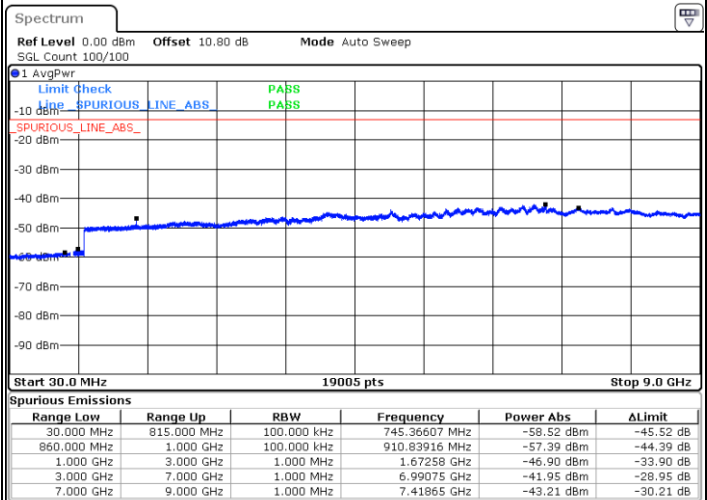
## LTE Band 5 / 1.4MHz

## Lowest Channel / 64QAM



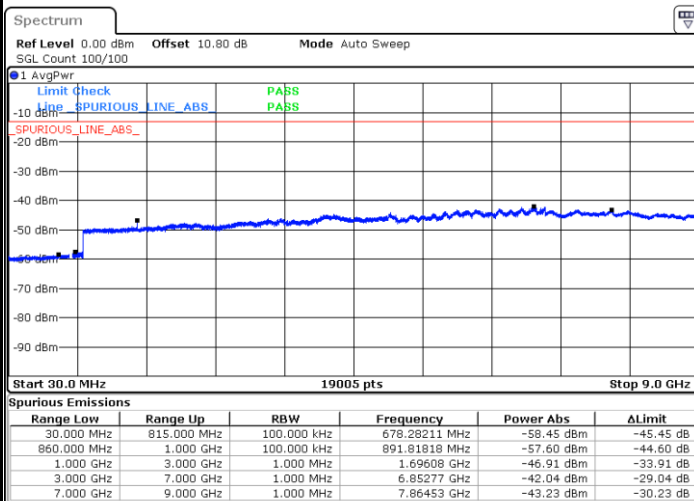
Date: 5.OCT.2017 15:11:44

## Middle Channel / 64QAM



Date: 5.OCT.2017 15:12:58

## Highest Channel / 64QAM

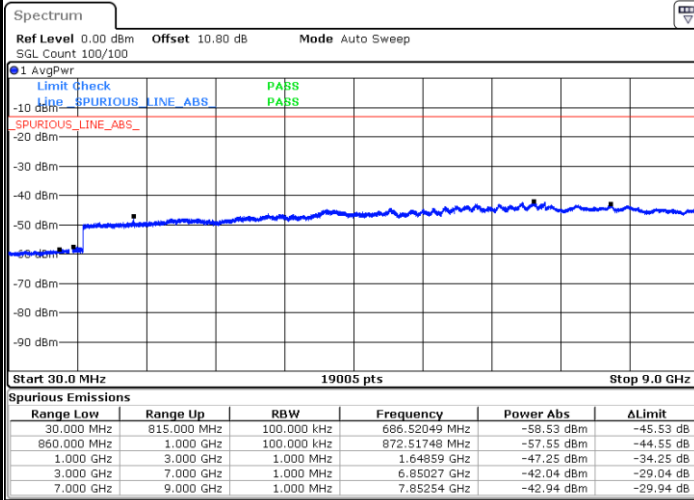


Date: 5.OCT.2017 15:17:29



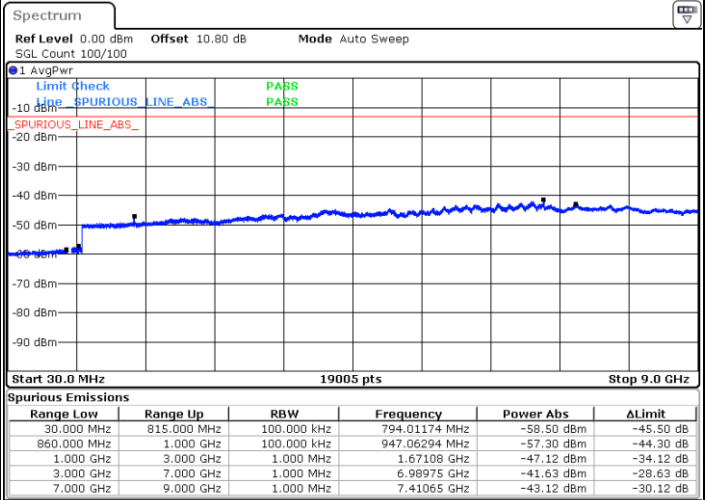
## LTE Band 5 / 3MHz

## Lowest Channel / 64QAM



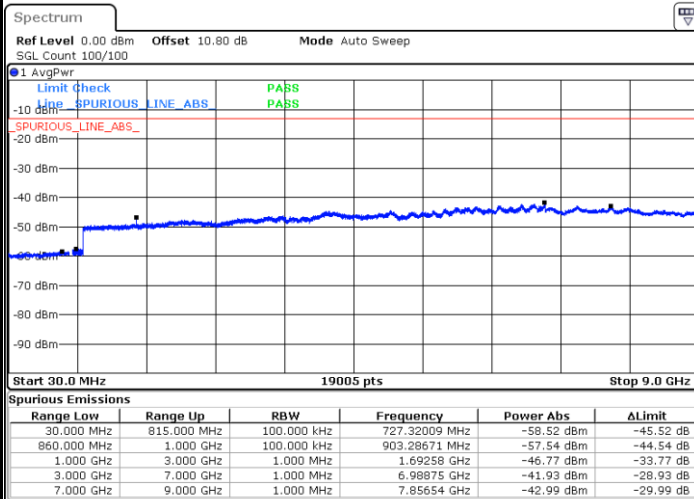
Date: 5.OCT.2017 12:15:35

## Middle Channel / 64QAM



Date: 5.OCT.2017 12:16:49

## Highest Channel / 64QAM

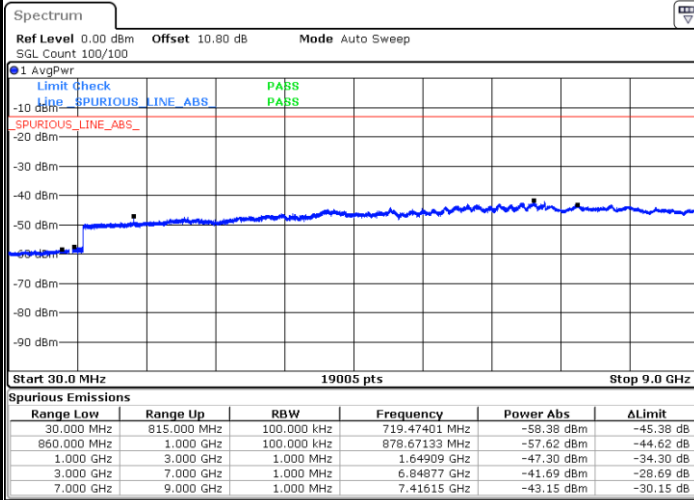


Date: 5.OCT.2017 12:21:20



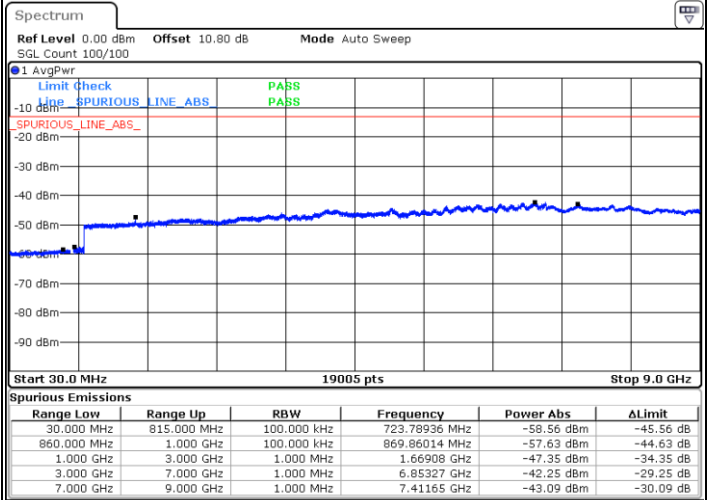
## LTE Band 5 / 5MHz

## Lowest Channel / 64QAM



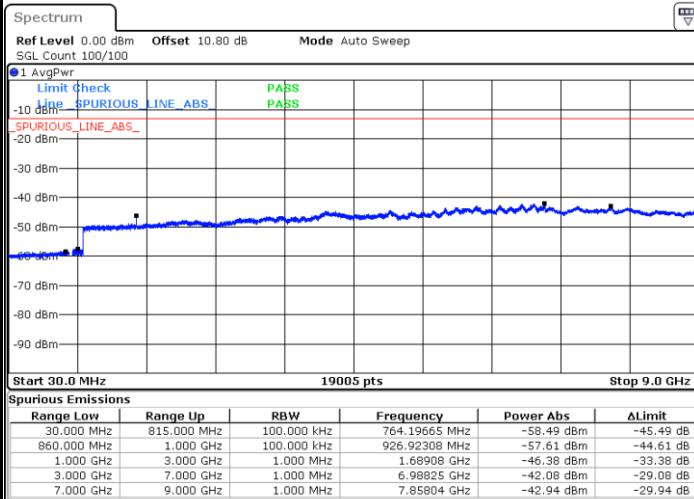
Date: 5.OCT.2017 14:38:42

## Middle Channel / 64QAM



Date: 5.OCT.2017 14:39:56

## Highest Channel / 64QAM

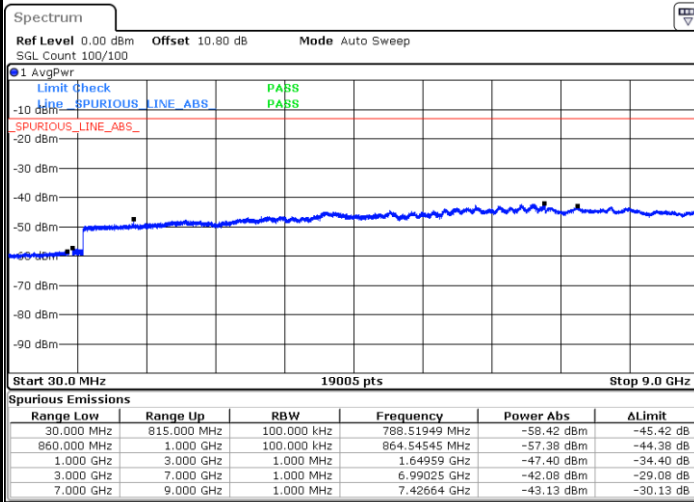


Date: 5.OCT.2017 14:44:28



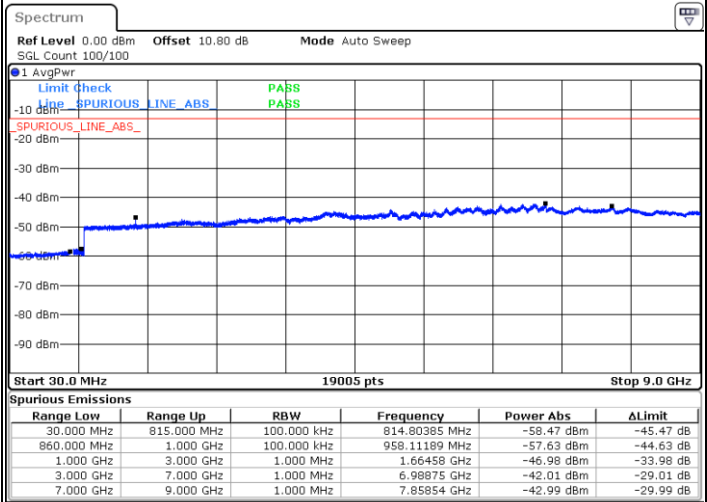
## LTE Band 5 / 10MHz

## Lowest Channel / 64QAM



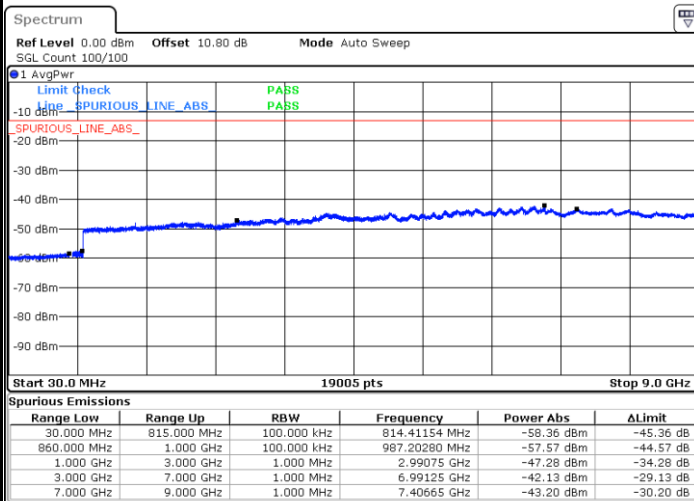
Date: 5.OCT.2017 14:48:59

## Middle Channel / 64QAM



Date: 5.OCT.2017 14:50:13

## Highest Channel / 64QAM



Date: 5.OCT.2017 14:54:44

## 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    | 0.0112                             | PASS   |
| 40               | Normal Voltage    | 0.0005                             |        |
| 30               | Normal Voltage    | 0.0117                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0005                             |        |
| 0                | Normal Voltage    | 0.0000                             |        |
| -10              | Normal Voltage    | 0.0108                             |        |
| -20              | Normal Voltage    | 0.0099                             |        |
| -30              | Normal Voltage    | 0.0098                             |        |
| 20               | Maximum Voltage   | 0.0116                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0085                             |        |

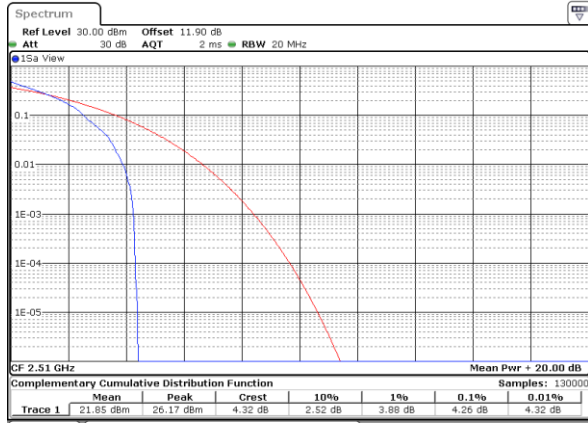
**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

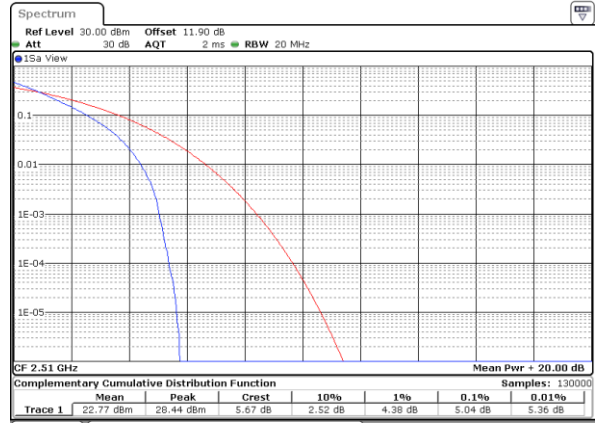
## LTE Band 7

### Peak-to-Average Ratio

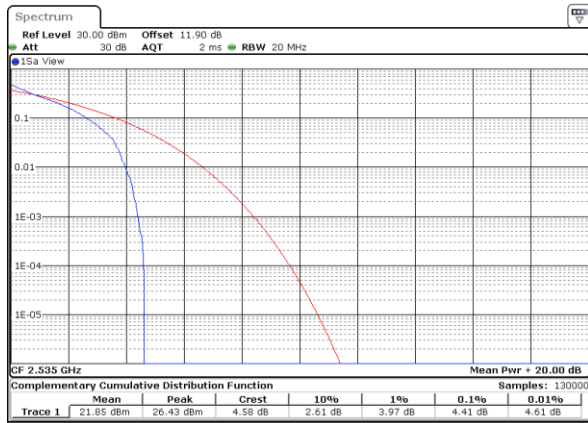
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.26               | 5.04    | 5.28  | 6.06    | PASS        |
| Middle CH  | 4.41               | 5.07    | 5.59  | 6.17    |             |
| Highest CH | 4.35               | 4.7     | 5.13  | 5.83    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 6.06               | 6.58    | -     | -       | PASS        |
| Middle CH  | 6.32               | 6.52    | -     | -       |             |
| Highest CH | 5.88               | 6.38    | -     | -       |             |

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


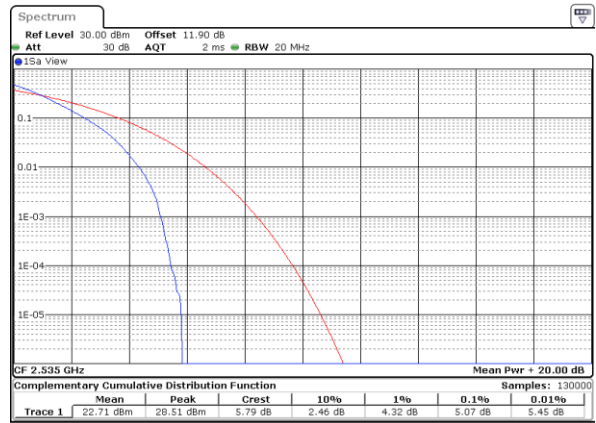
Date: 25 AUG 2017 19:52:35

**Lowest Channel / Full RB**


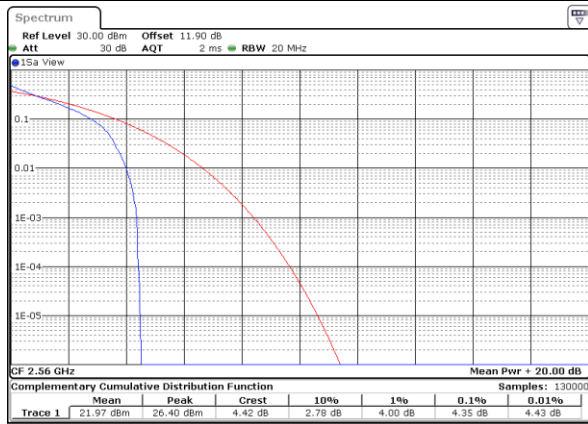
Date: 25 AUG 2017 19:52:45

**Middle Channel / 1RB**


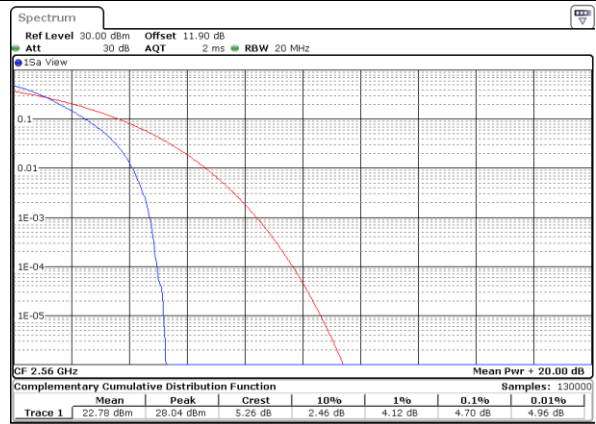
Date: 25 AUG 2017 19:52:54

**Middle Channel / Full RB**


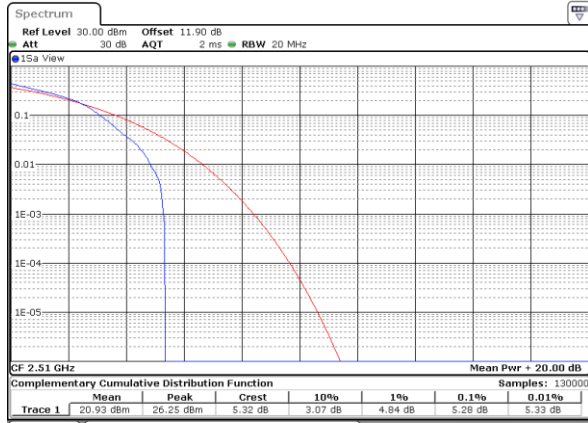
Date: 25 AUG 2017 19:53:03

**Highest Channel / 1RB**


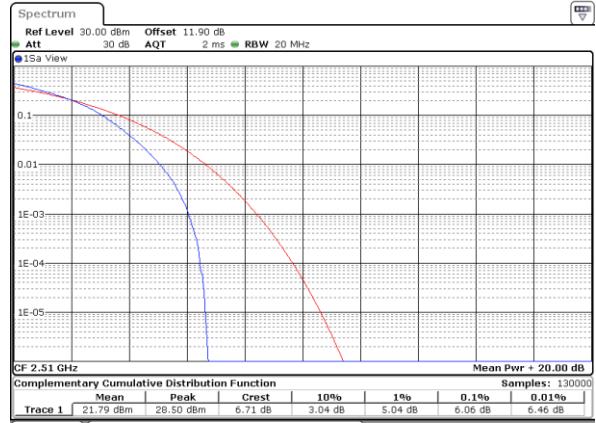
Date: 25 AUG 2017 19:53:12

**Highest Channel / Full RB**


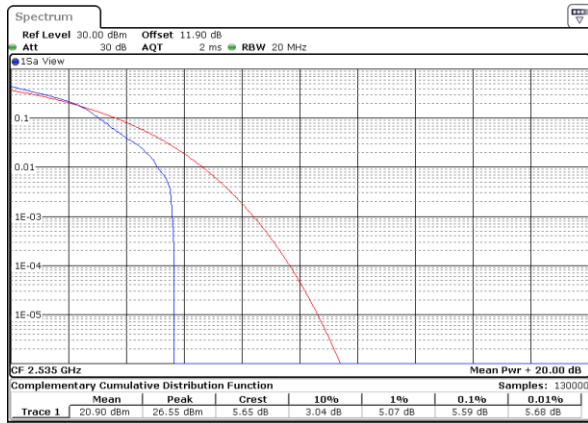
Date: 25 AUG 2017 19:53:21

**LTE Band 7 / 20MHz / 16QAM**
**Lowest Channel / 1RB**


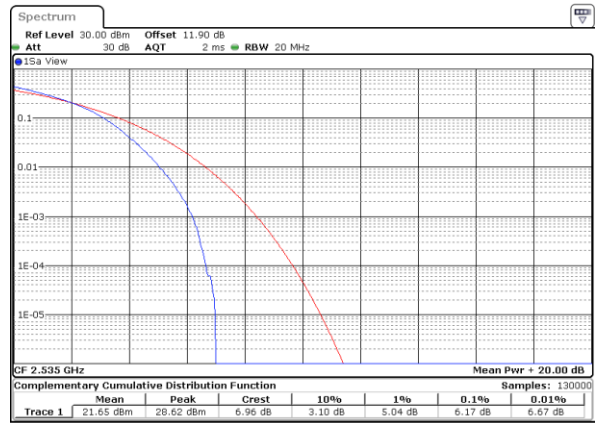
Date: 25 AUG 2017 19:51:38

**Lowest Channel / Full RB**


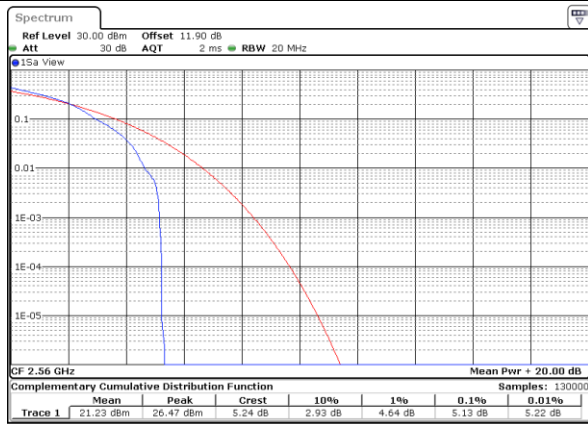
Date: 25 AUG 2017 19:51:49

**Middle Channel / 1RB**


Date: 25 AUG 2017 19:51:58

**Middle Channel / Full RB**


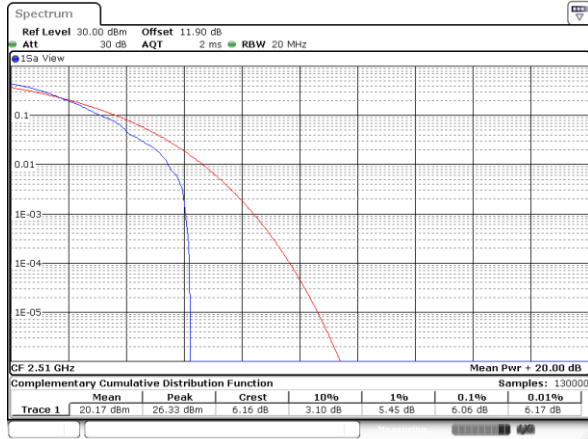
Date: 25 AUG 2017 19:52:07

**Highest Channel / 1RB**


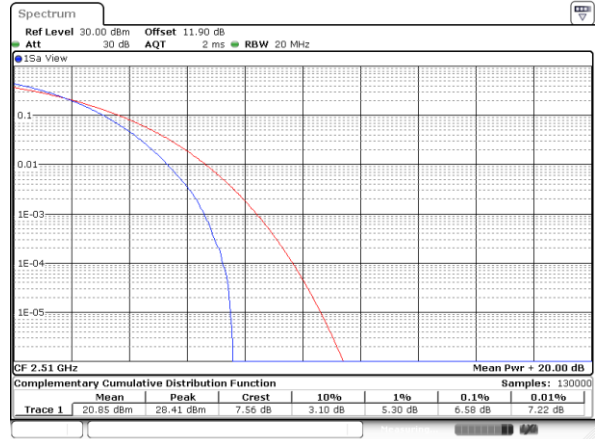
Date: 25 AUG 2017 19:52:16

**Highest Channel / Full RB**

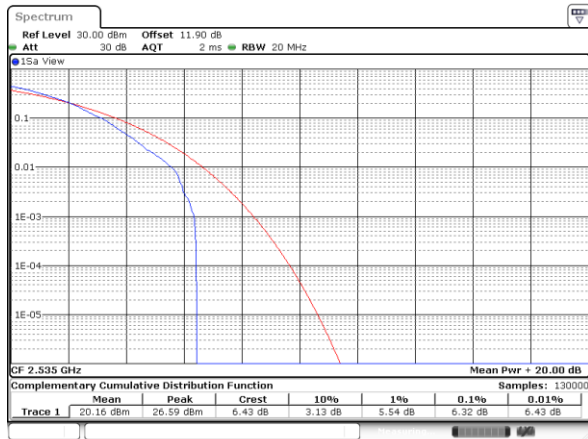

Date: 25 AUG 2017 19:52:26

**LTE Band 7 / 20MHz / 64QAM**
**Lowest Channel / 1RB**


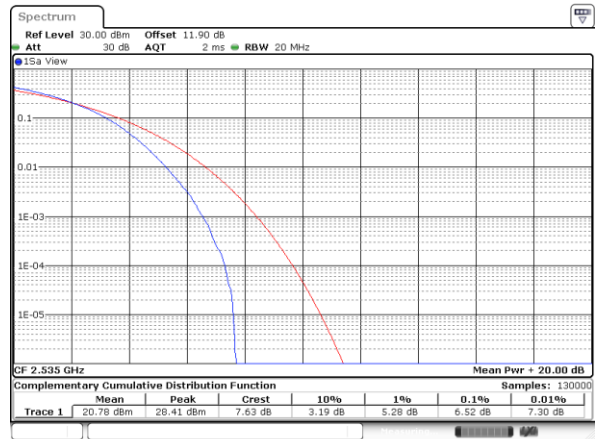
Date: 5.OCT.2017 16:18:43

**Lowest Channel / Full RB**


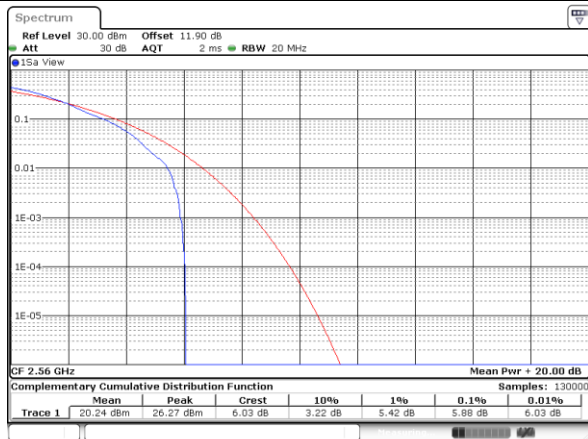
Date: 5.OCT.2017 16:18:57

**Middle Channel / 1RB**


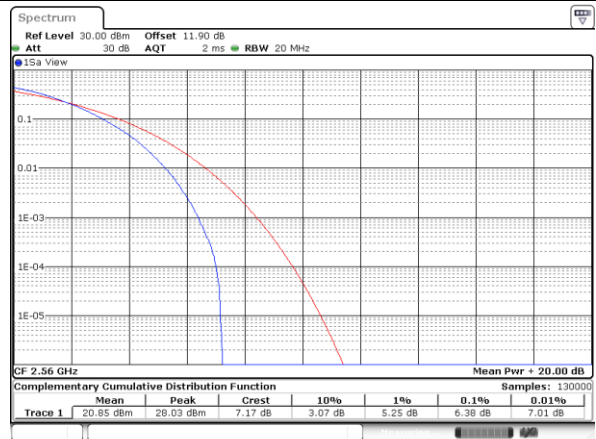
Date: 5.OCT.2017 16:19:13

**Middle Channel / Full RB**


Date: 5.OCT.2017 16:19:21

**Highest Channel / 1RB**


Date: 5.OCT.2017 16:53:54

**Highest Channel / Full RB**


Date: 5.OCT.2017 16:54:06