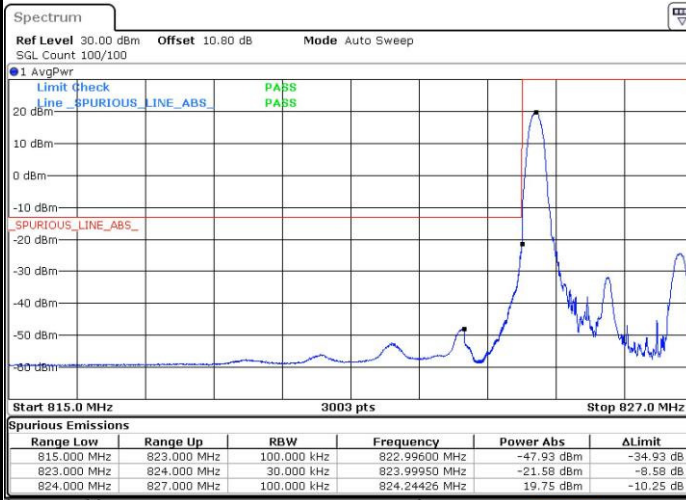




## LTE Band 5 / 3MHz / 64QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



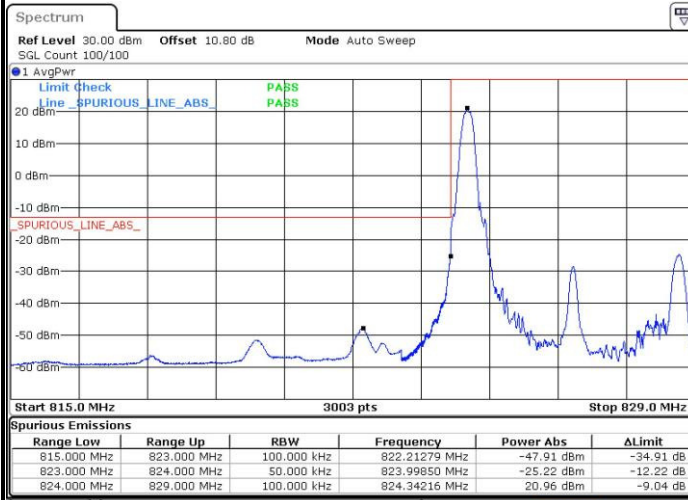
## Highest Band Edge / Full RB



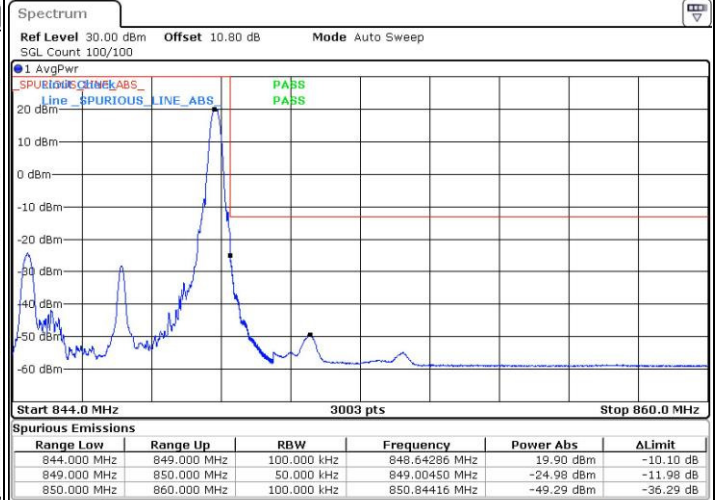


## LTE Band 5 / 5MHz / QPSK

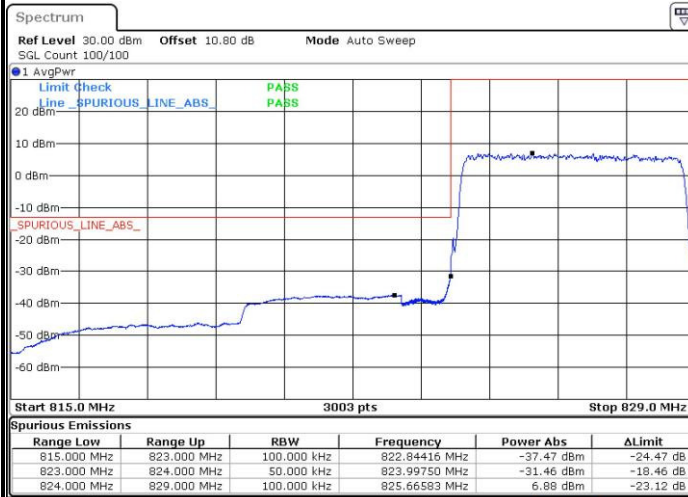
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



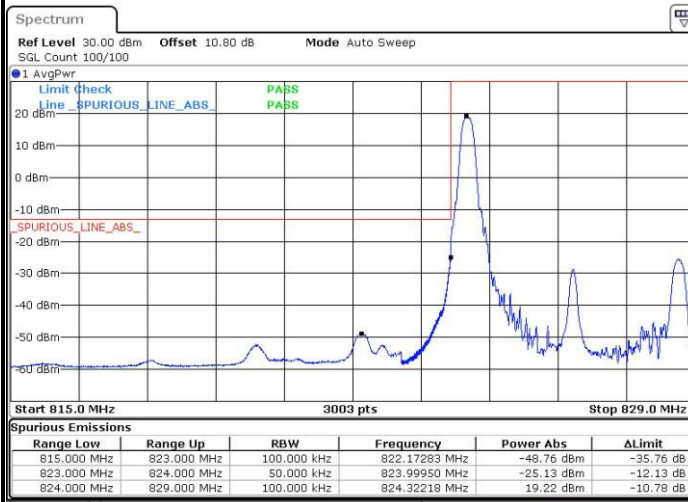
## Highest Band Edge / Full RB



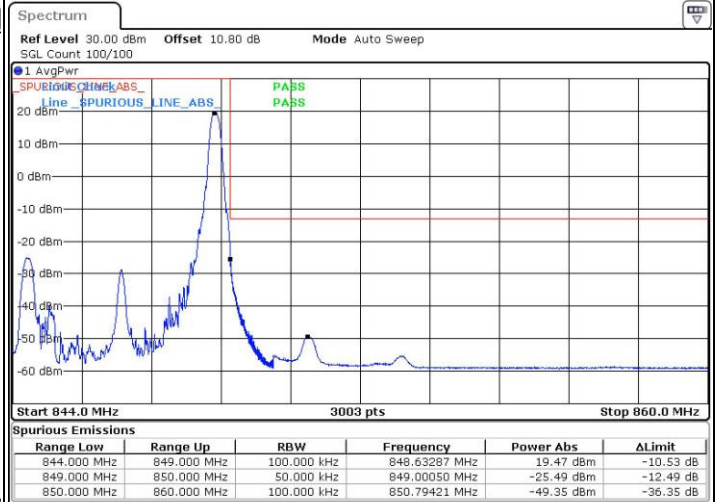


## LTE Band 5 / 5MHz / 16QAM

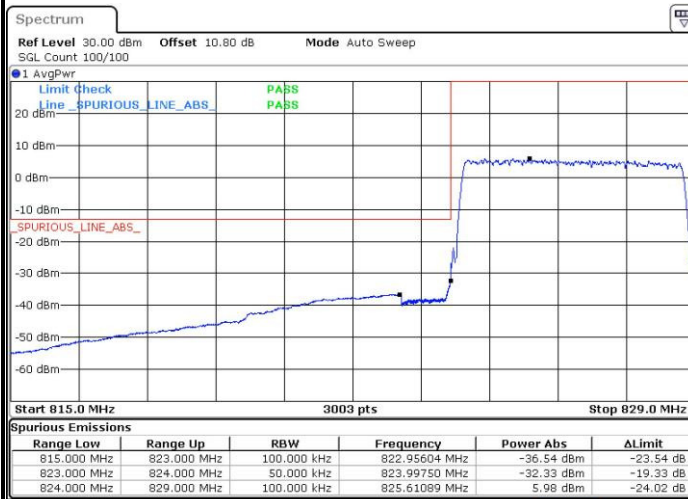
## Lowest Band Edge / 1RB



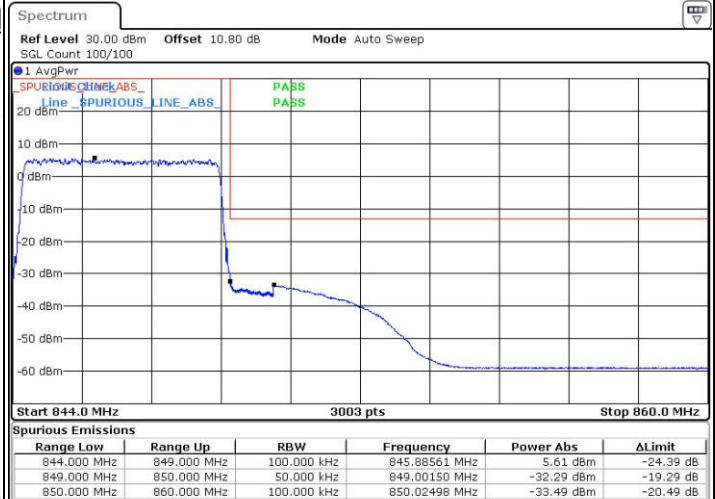
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



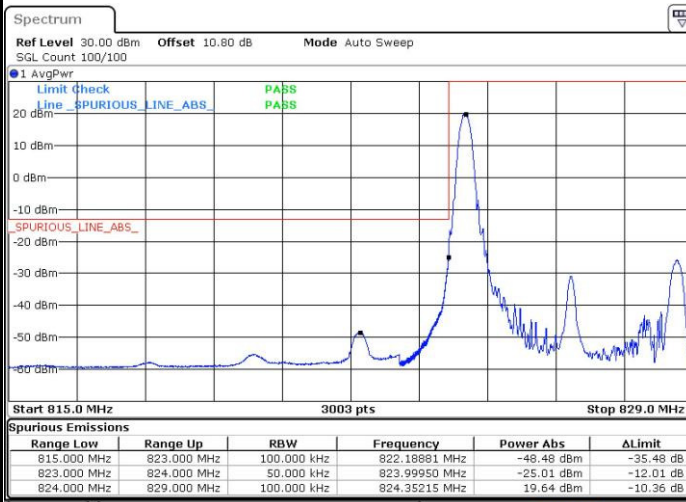
## Highest Band Edge / Full RB



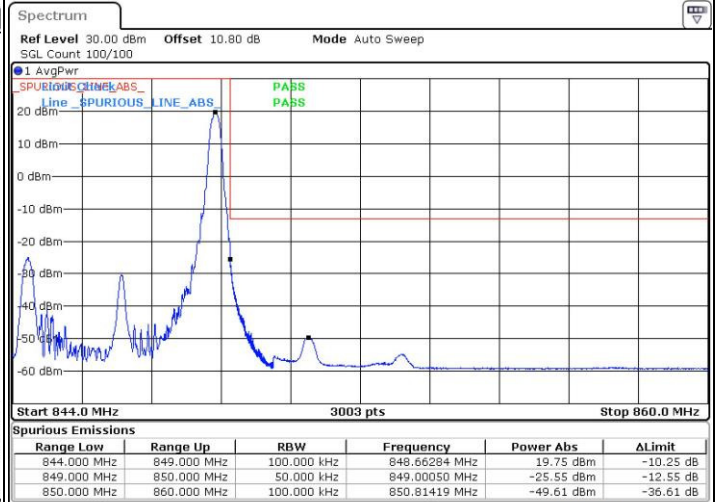


## LTE Band 5 / 5MHz / 64QAM

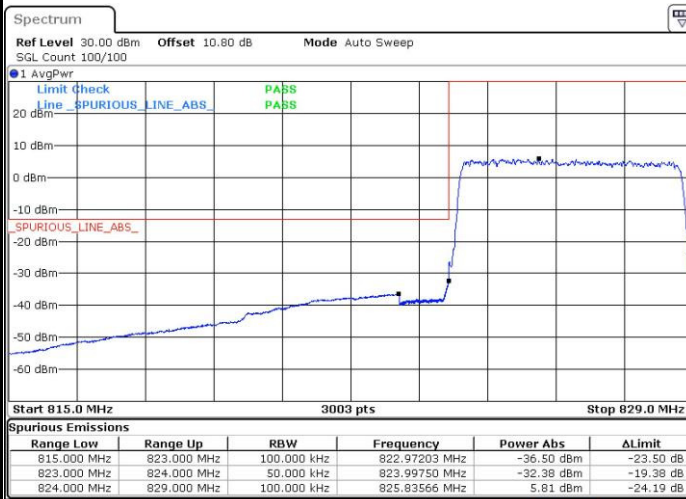
## Lowest Band Edge / 1RB



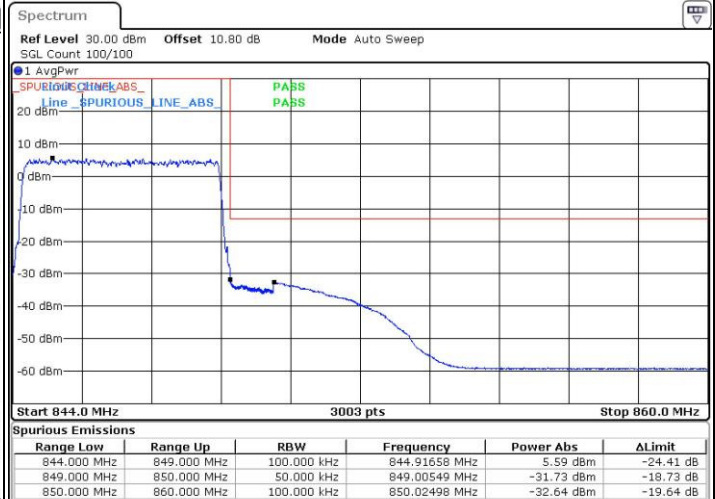
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



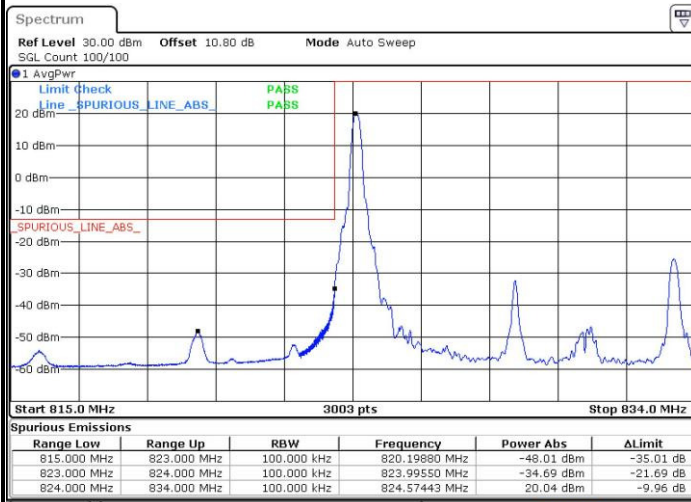
## Highest Band Edge / Full RB



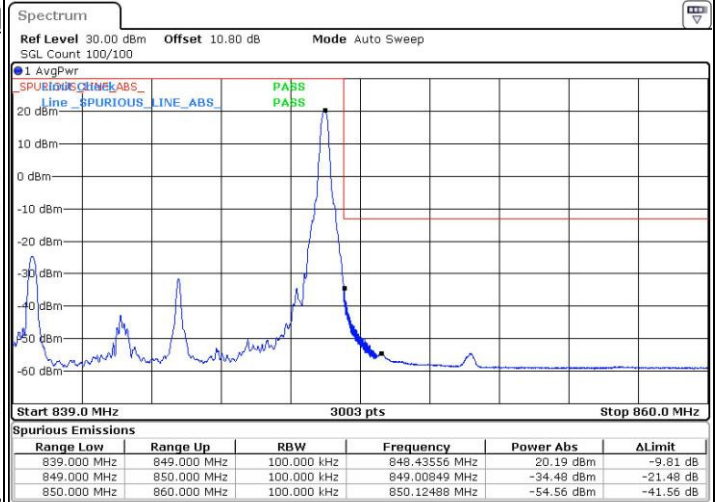


## LTE Band 5 / 10MHz / QPSK

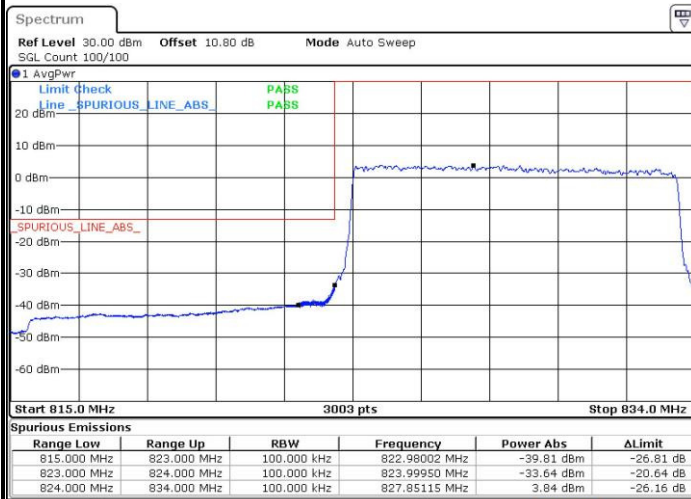
## Lowest Band Edge / 1 RB



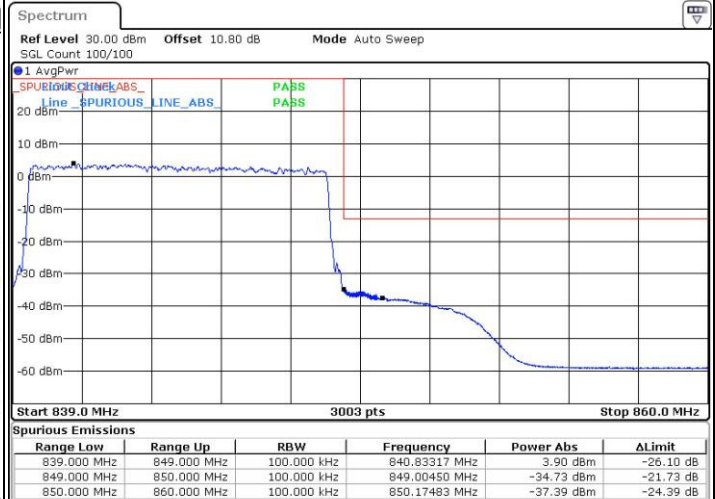
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



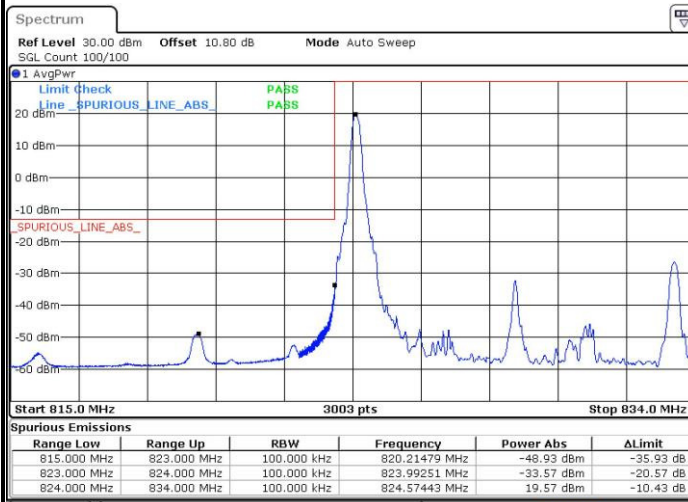
## Highest Band Edge / Full RB



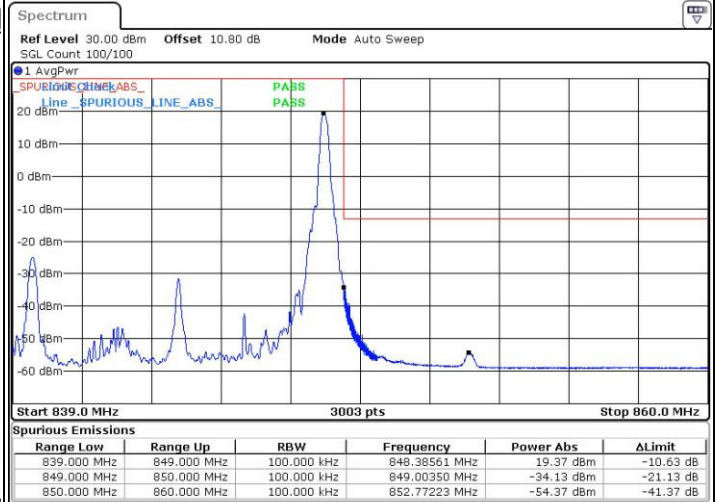


## LTE Band 5 / 10MHz / 16QAM

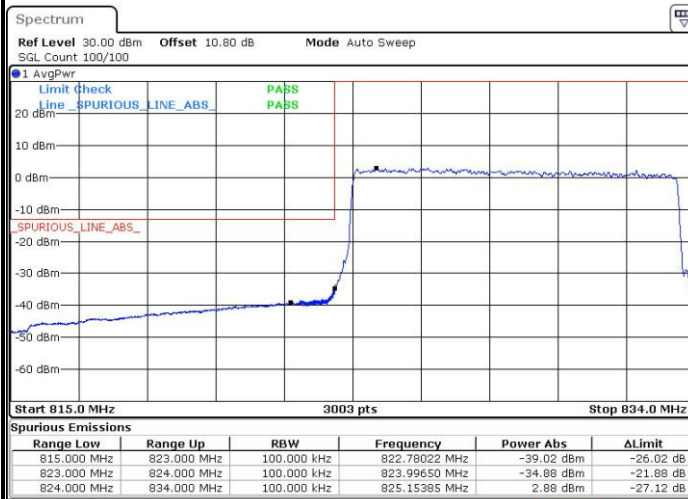
## Lowest Band Edge / 1 RB



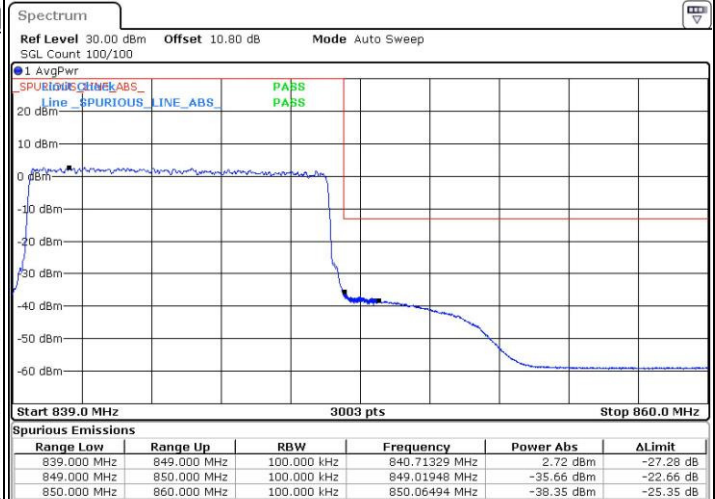
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



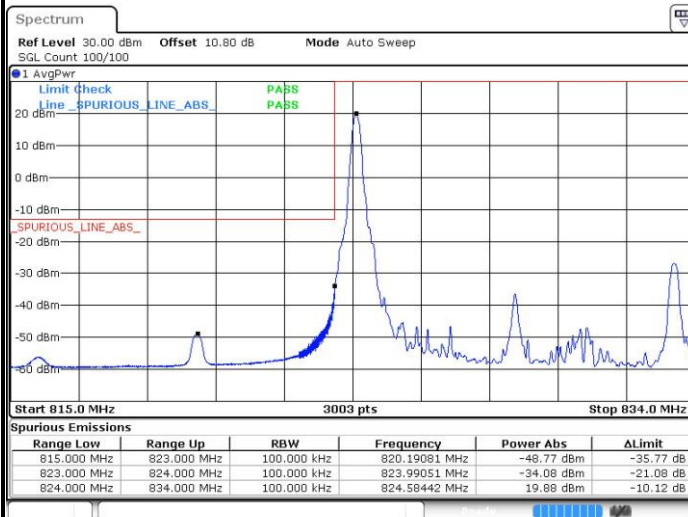
## Highest Band Edge / Full RB



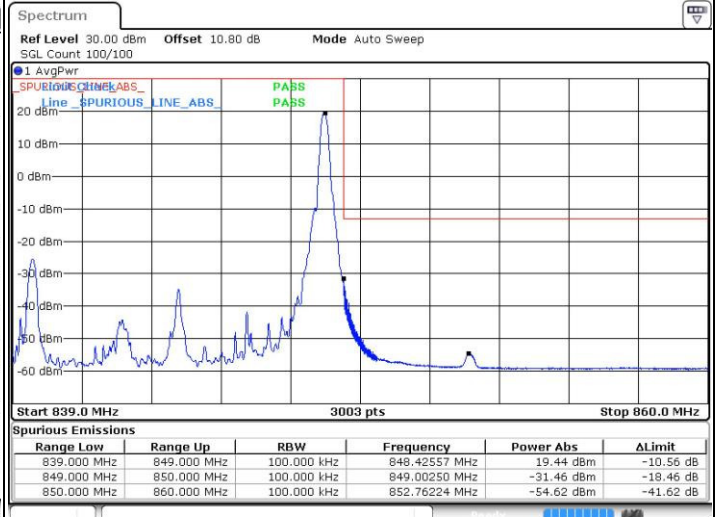


## LTE Band 5 / 10MHz / 64QAM

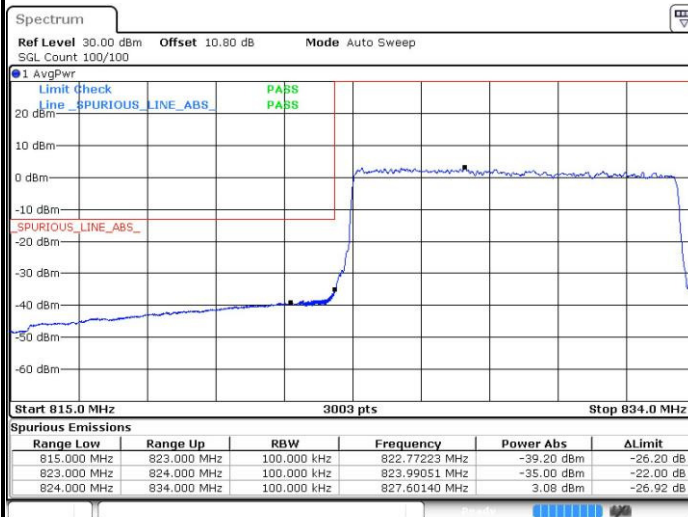
## Lowest Band Edge / 1 RB



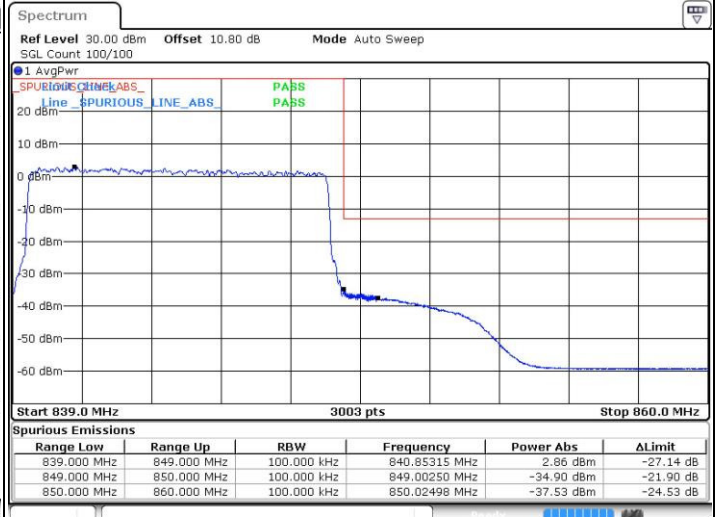
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



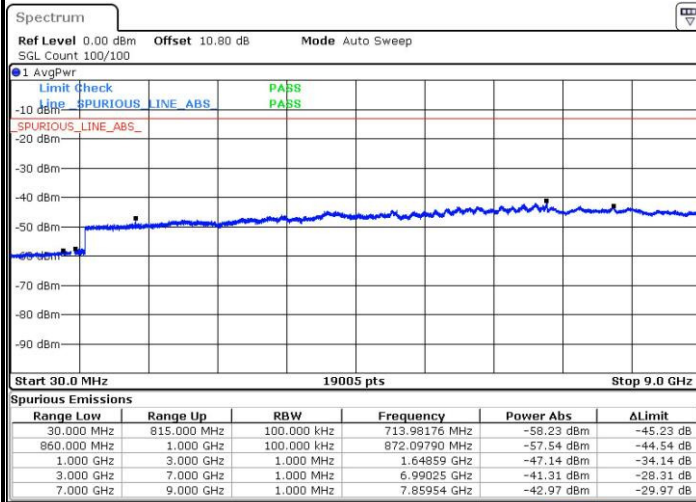


## **Conducted Spurious Emission**



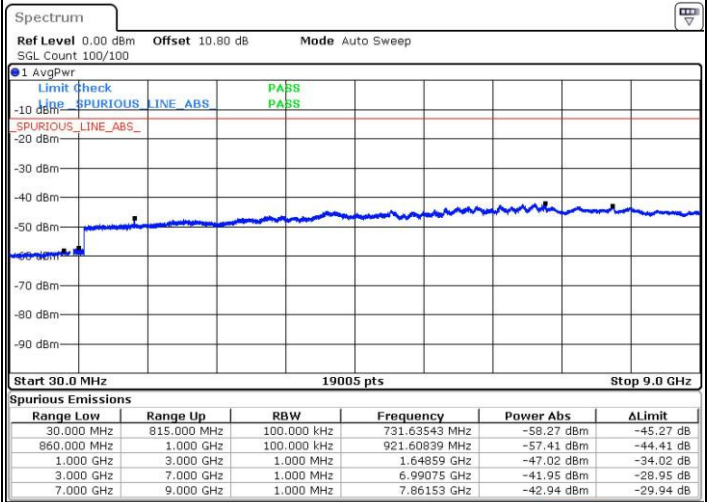
## LTE Band 5 / 1.4MHz

## Lowest Channel / QPSK



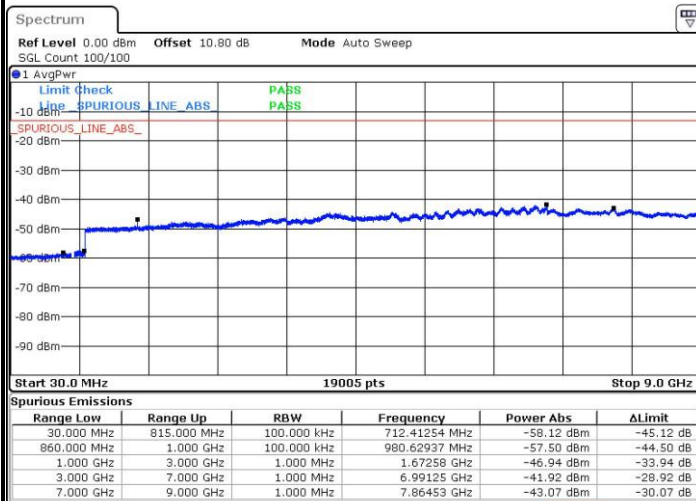
Date: 6 APR 2017 21:00:01

## Lowest Channel / 16QAM



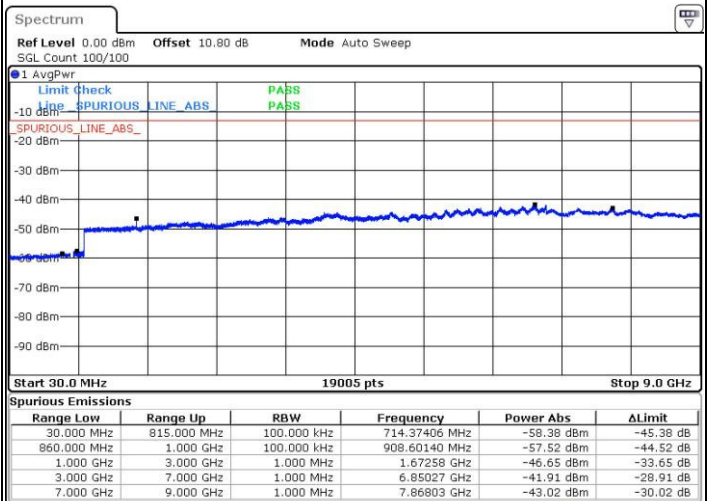
Date: 6 APR 2017 21:00:55

## Middle Channel / QPSK



Date: 6 APR 2017 21:02:31

## Middle Channel / 16QAM

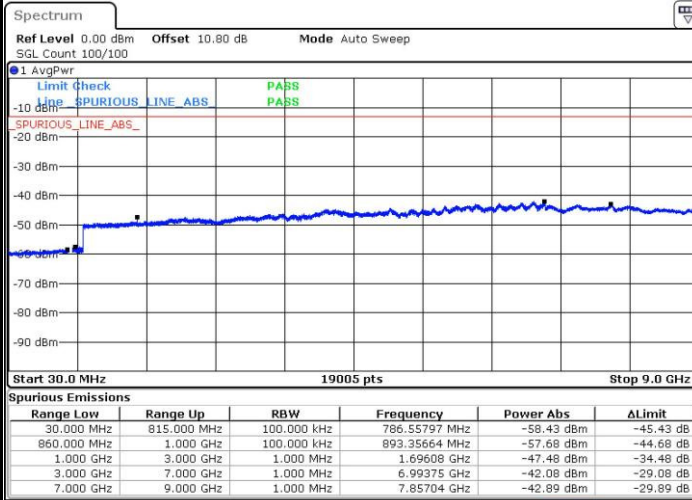


Date: 6 APR 2017 21:03:25



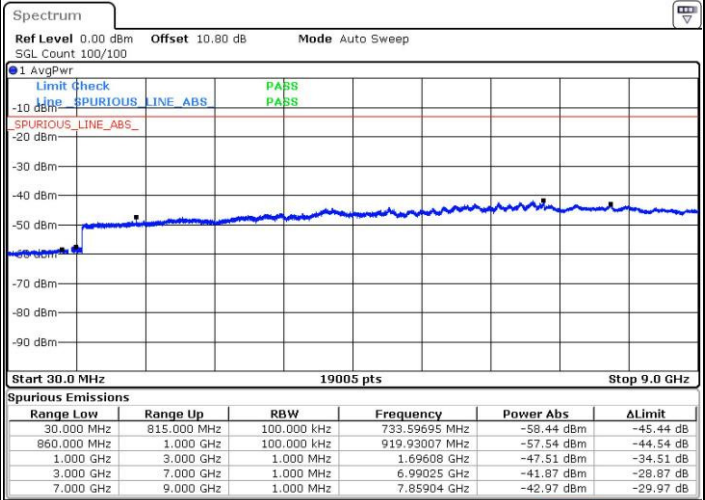
## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK



Date: 6 APR 2017 21:11:39

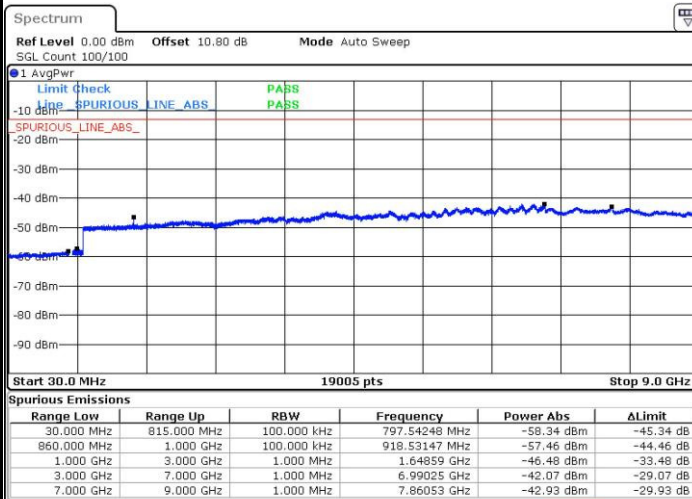
## Highest Channel / 16QAM



Date: 6 APR 2017 21:12:33

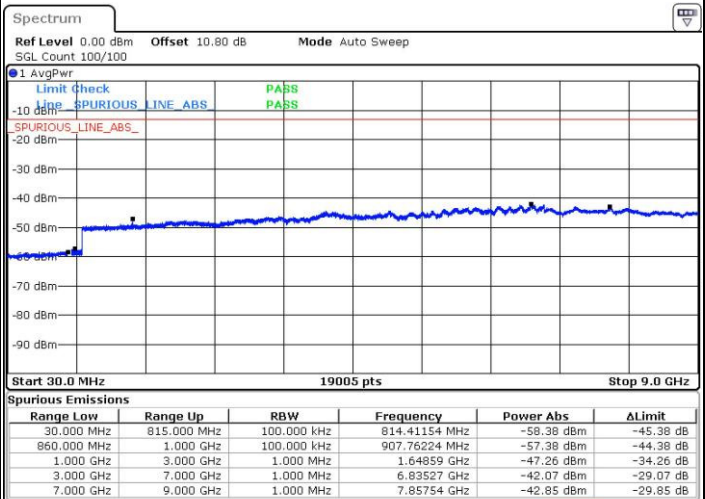
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



Date: 6 APR 2017 19:58:25

## Lowest Channel / 16QAM

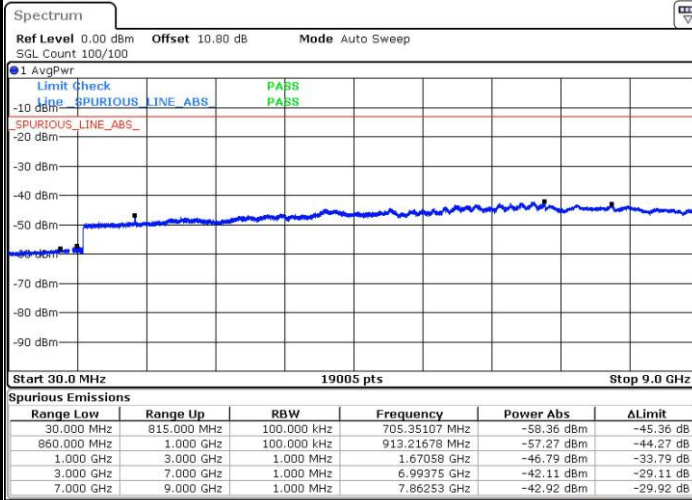


Date: 6 APR 2017 19:57:19



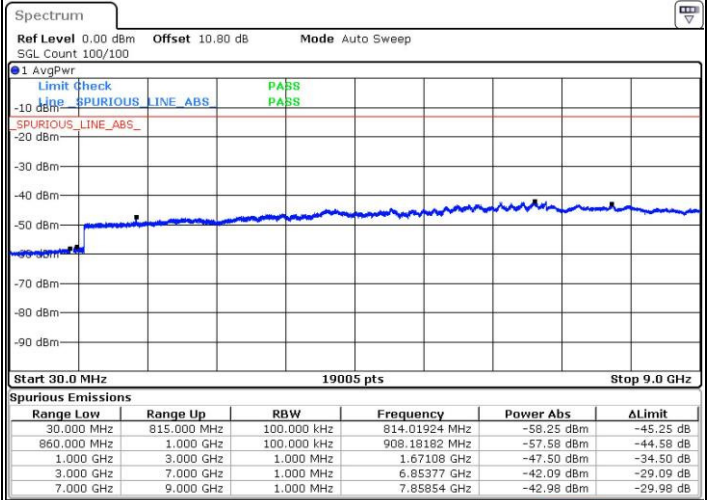
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



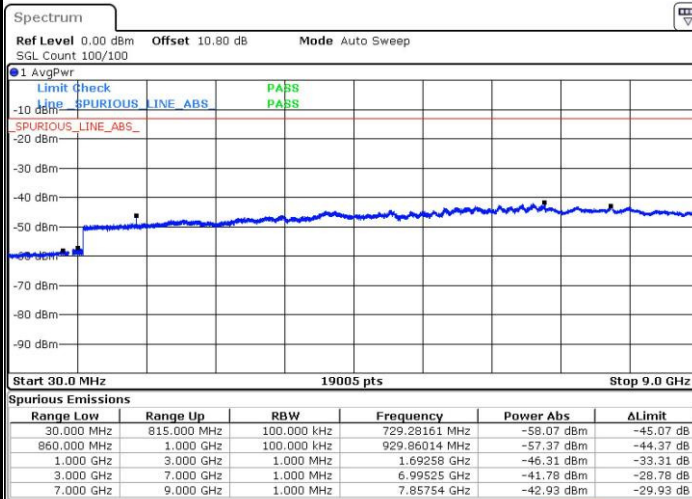
Date: 6 APR 2017 19:58:55

## Middle Channel / 16QAM



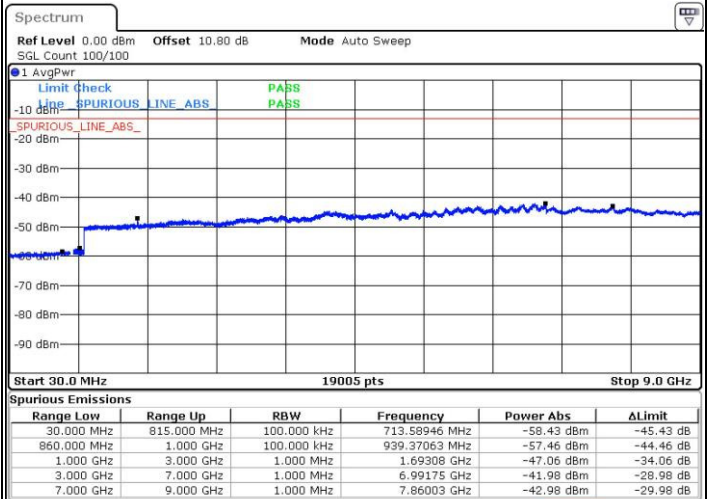
Date: 6 APR 2017 19:59:49

## Highest Channel / QPSK



Date: 6 APR 2017 20:08:01

## Highest Channel / 16QAM

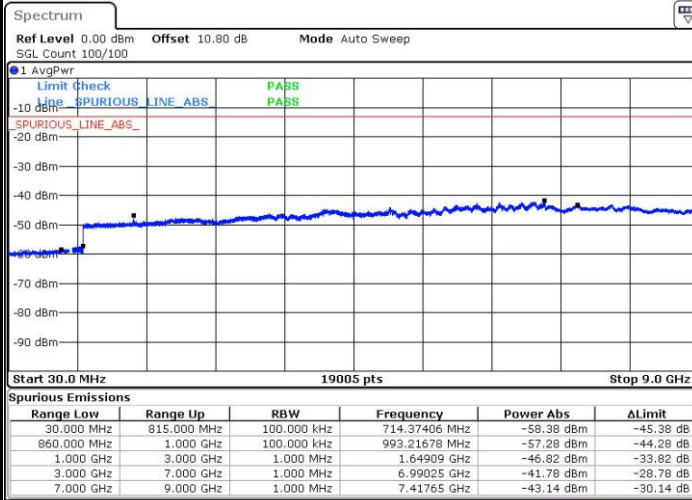


Date: 6 APR 2017 20:08:55



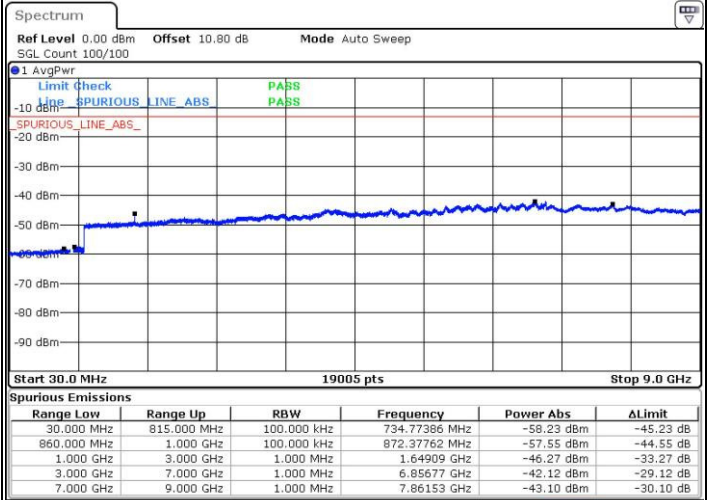
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



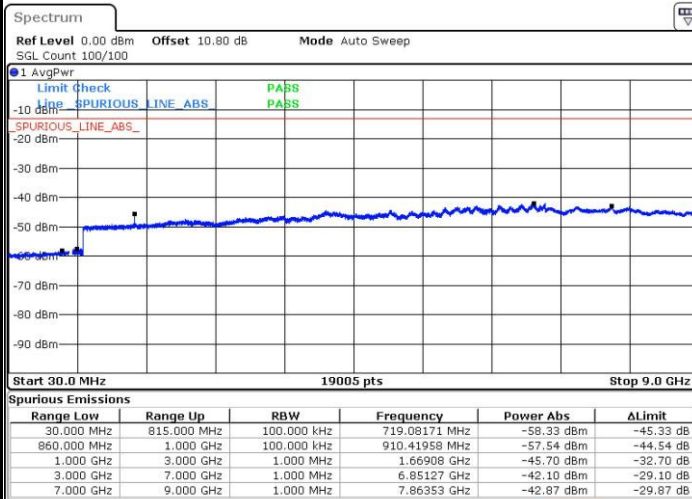
Date: 6 APR 2017 20:17:08

## Lowest Channel / 16QAM



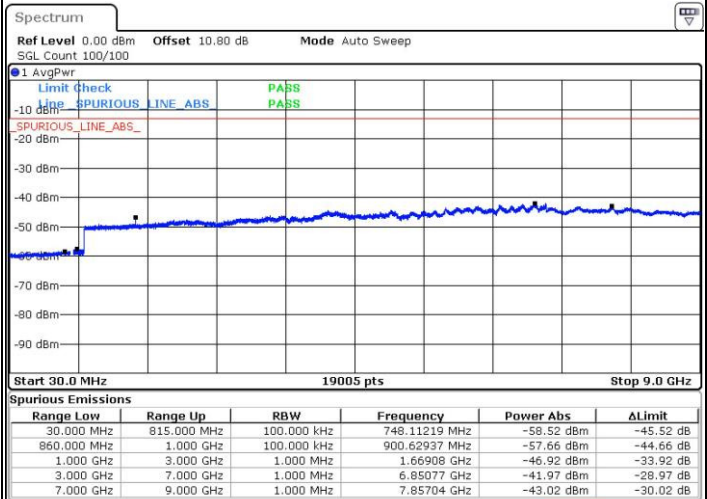
Date: 6 APR 2017 20:18:02

## Middle Channel / QPSK



Date: 6 APR 2017 20:19:38

## Middle Channel / 16QAM

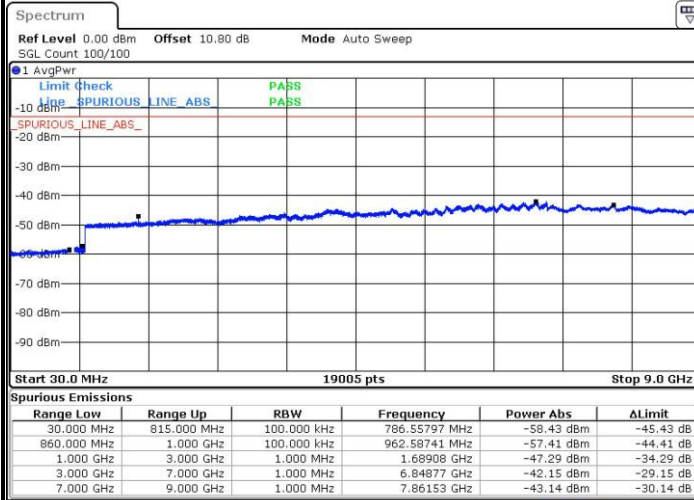


Date: 6 APR 2017 20:20:32



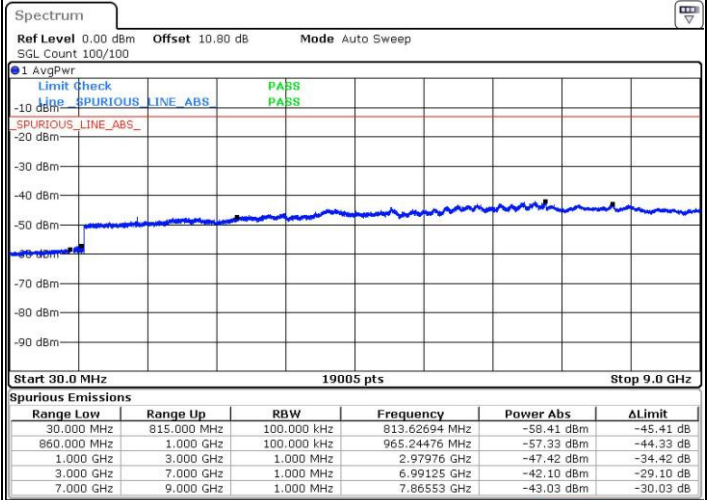
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 6 APR 2017 20:28:44

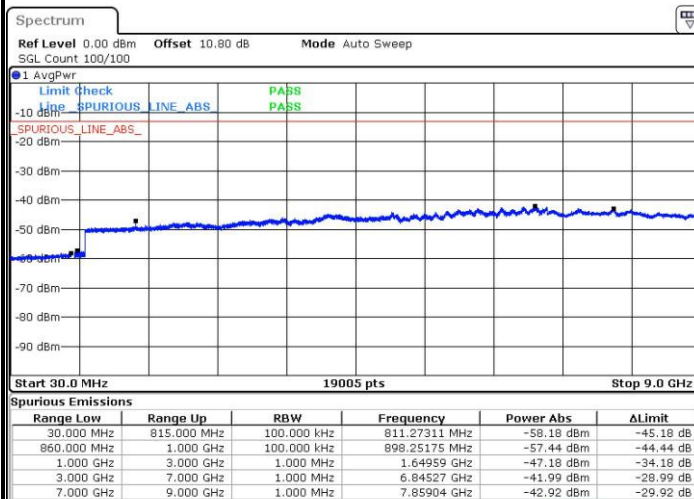
## Highest Channel / 16QAM



Date: 6 APR 2017 20:29:38

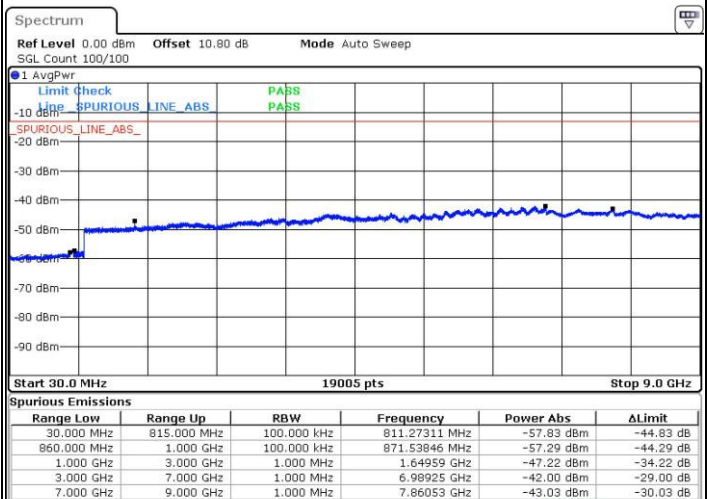
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 6 APR 2017 20:37:50

## Lowest Channel / 16QAM

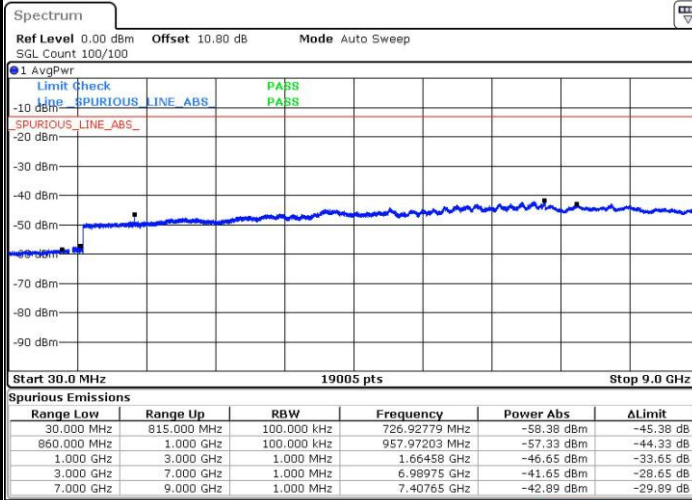


Date: 6 APR 2017 20:38:44



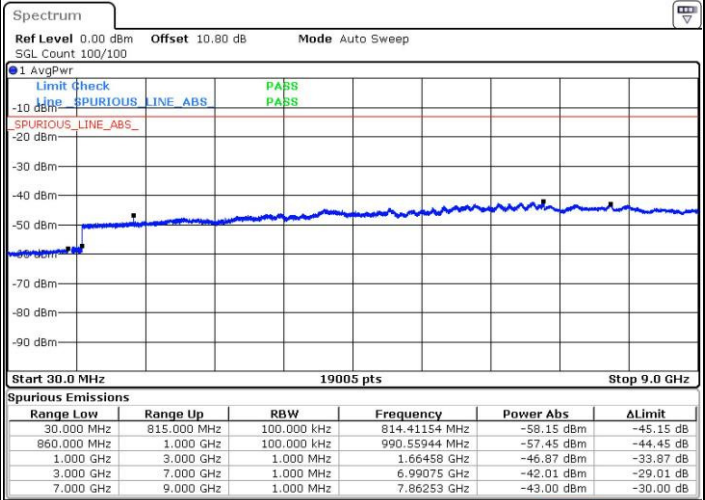
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



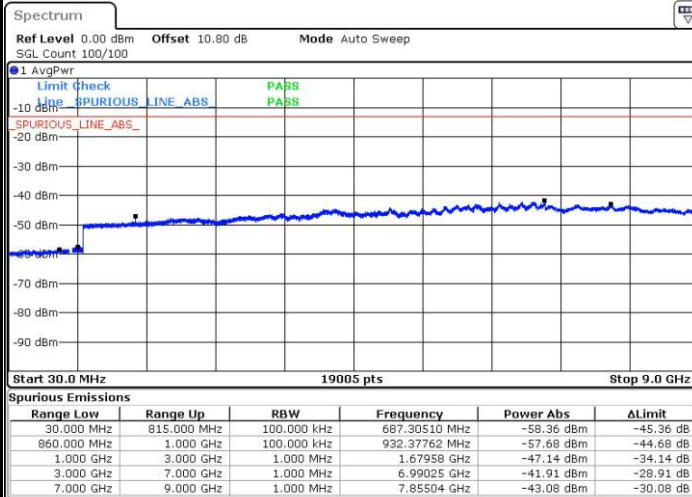
Date: 6 APR 2017 20:40:20

## Middle Channel / 16QAM



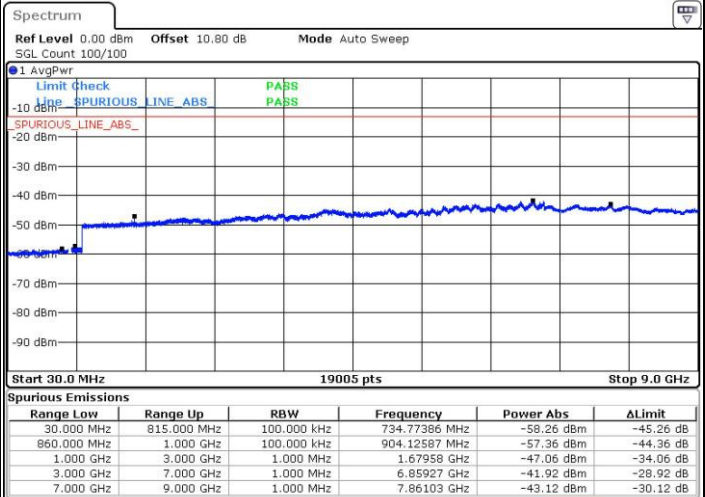
Date: 6 APR 2017 20:41:14

## Highest Channel / QPSK



Date: 6 APR 2017 20:49:26

## Highest Channel / 16QAM

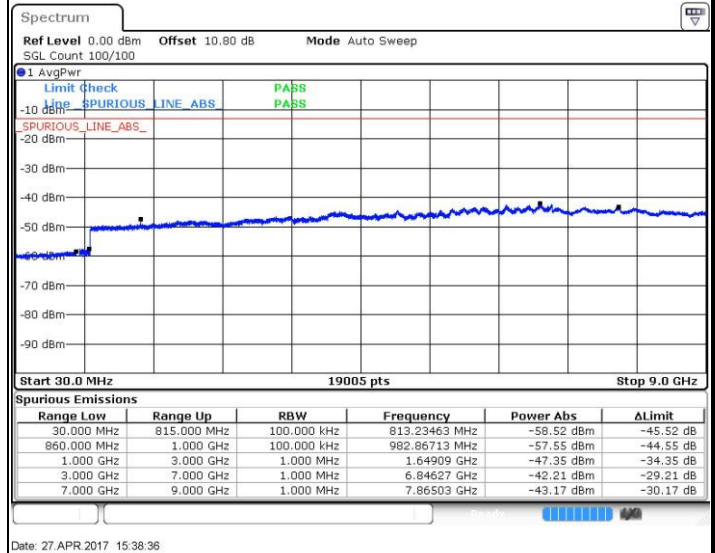


Date: 6 APR 2017 20:50:20

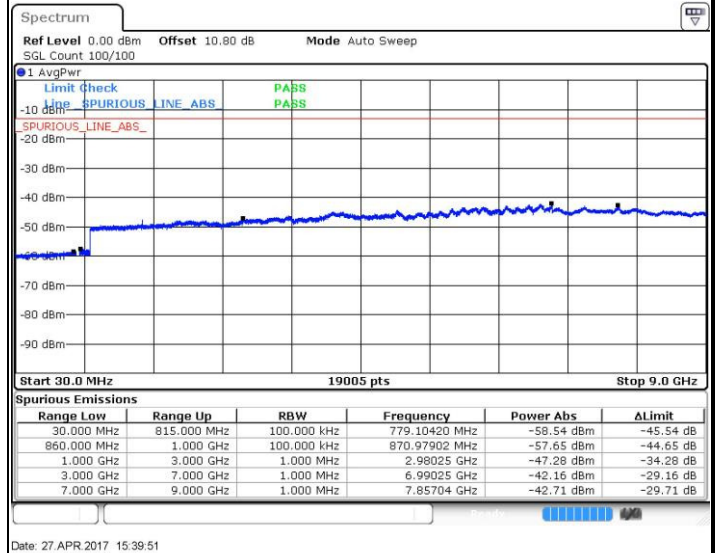


LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



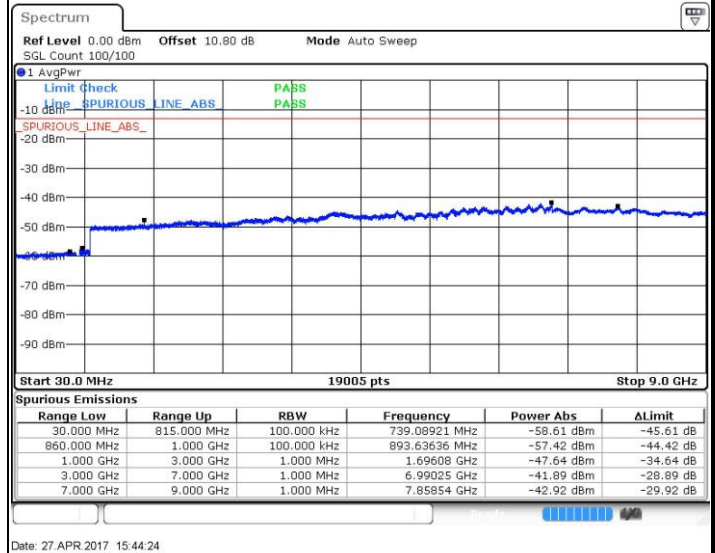
Middle Channel / 64QAM





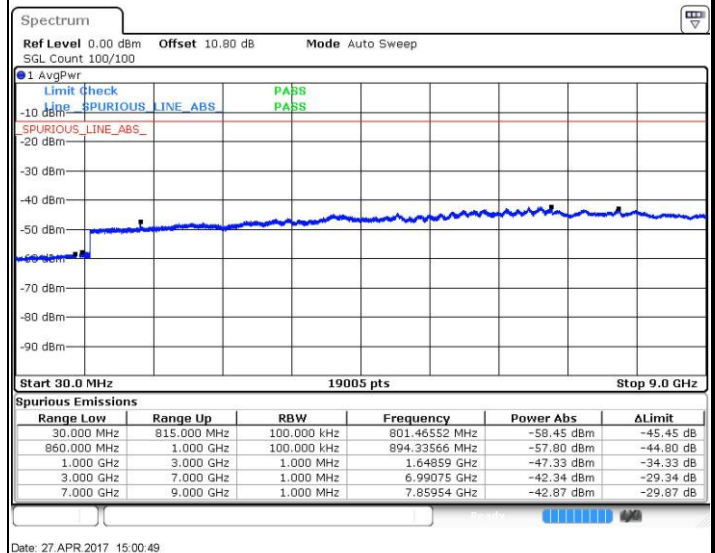
LTE Band 5 / 1.4MHz

Highest Channel / 64QAM



LTE Band 5 / 3MHz

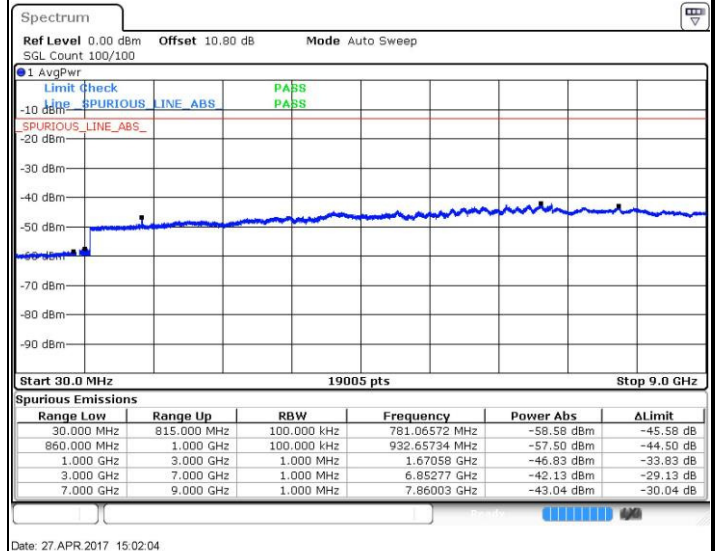
Lowest Channel / 64QAM



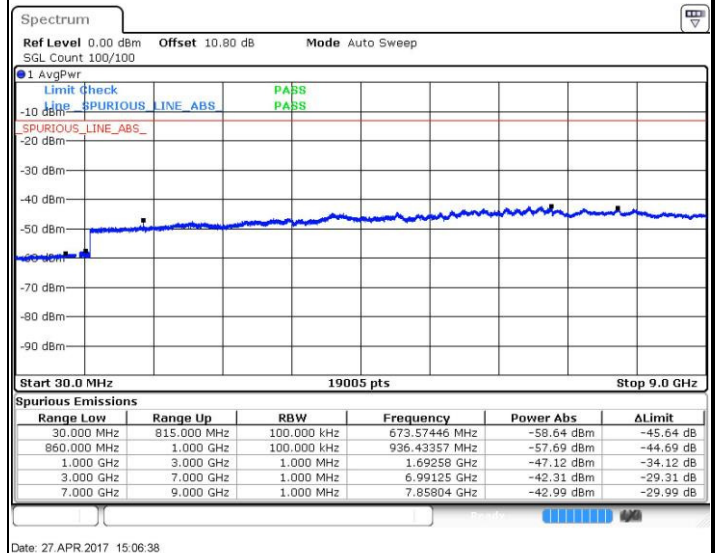


## LTE Band 5 / 3MHz

## Middle Channel / 64QAM



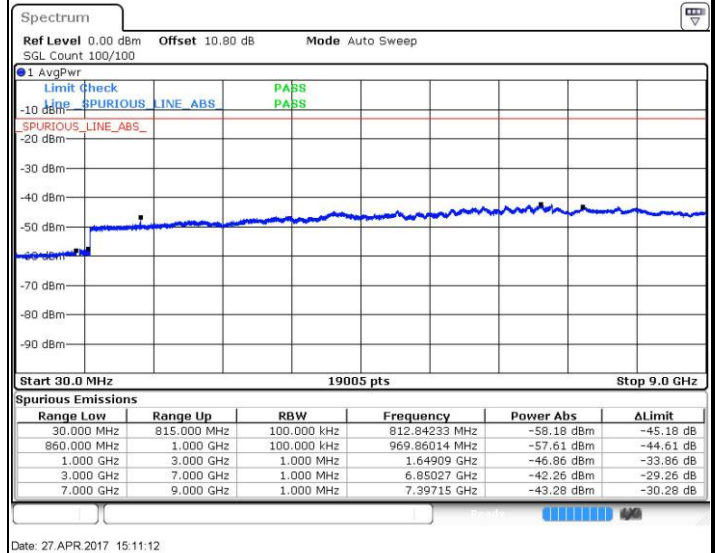
## Highest Channel / 64QAM



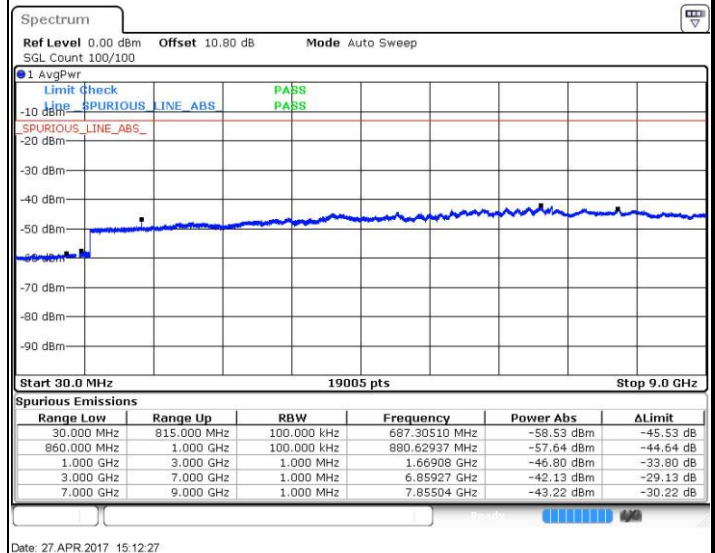


LTE Band 5 / 5MHz

Lowest Channel / 64QAM



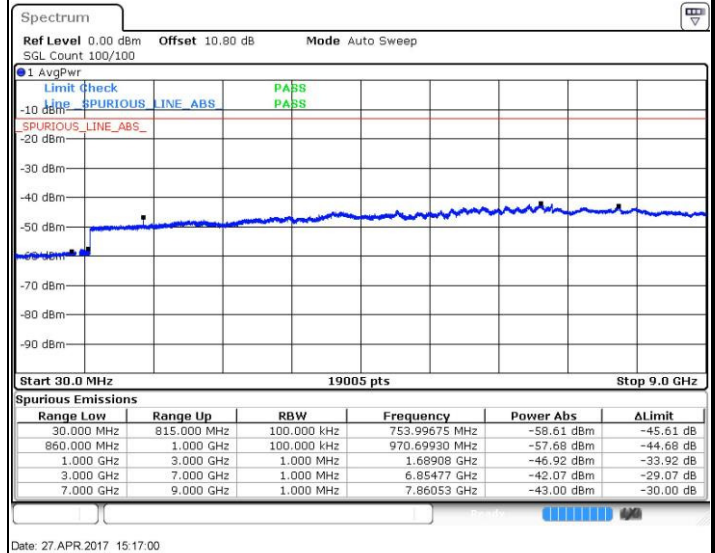
Middle Channel / 64QAM





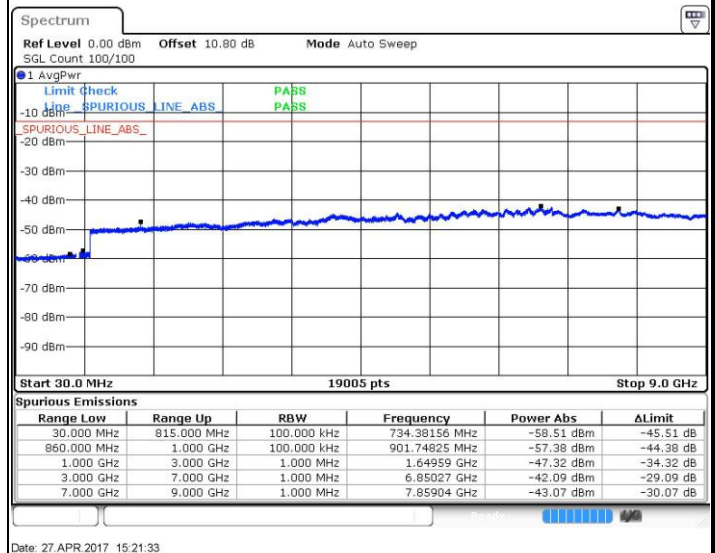
## LTE Band 5 / 5MHz

## Highest Channel / 64QAM



## LTE Band 5 / 10MHz

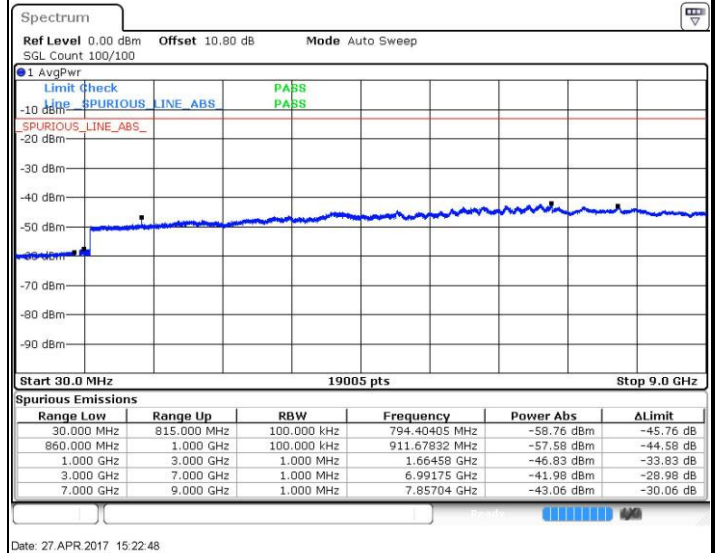
## Lowest Channel / 64QAM



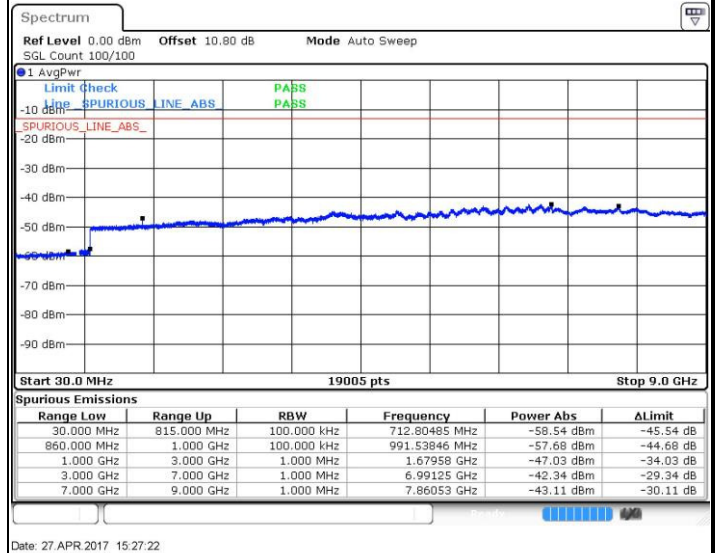


## LTE Band 5 / 10MHz

## Middle Channel / 64QAM



## Highest Channel / 64QAM



## 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    | 0.0116                             | PASS   |
| 40               | Normal Voltage    | 0.0096                             |        |
| 30               | Normal Voltage    | 0.0025                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0027                             |        |
| 0                | Normal Voltage    | 0.0002                             |        |
| -10              | Normal Voltage    | 0.0096                             |        |
| -20              | Normal Voltage    | 0.0001                             |        |
| -30              | Normal Voltage    | 0.0012                             |        |
| 20               | Maximum Voltage   | 0.0004                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0004                             |        |

**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

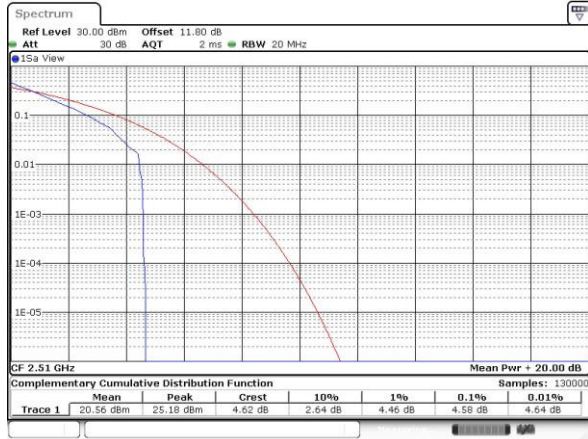
### Peak-to-Average Ratio

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.58               | 4.9     | 5.25  | 5.88    | PASS        |
| Middle CH  | 4.49               | 5.19    | 5.25  | 6.17    |             |
| Highest CH | 4.58               | 5.1     | 5.39  | 6.09    |             |
| Mod.       | -                  |         | 64QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | -                  | -       | 5.19  | 5.83    | PASS        |
| Middle CH  | -                  | -       | 5.01  | 6.14    |             |
| Highest CH | -                  | -       | 5.36  | 6.06    |             |

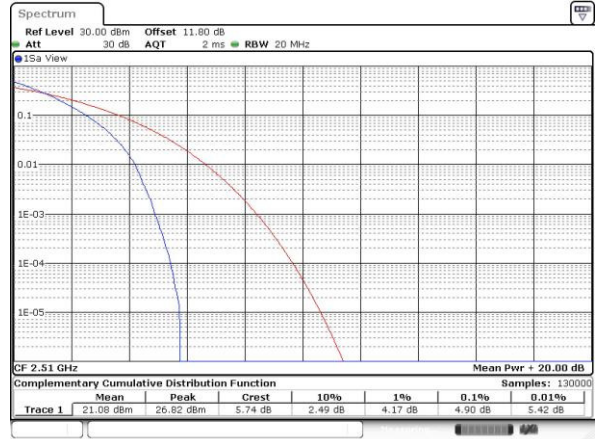


## LTE Band 7 / 20MHz / QPSK

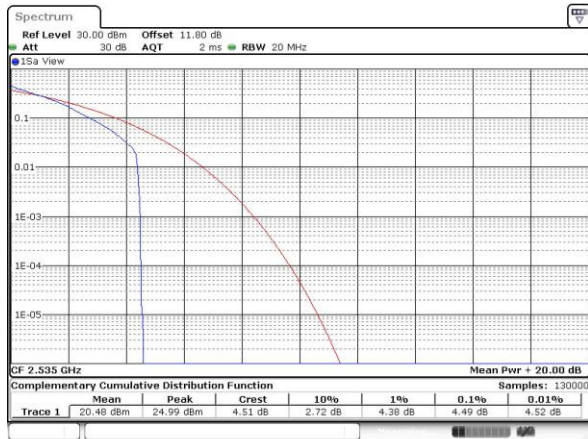
## Lowest Channel / 1RB



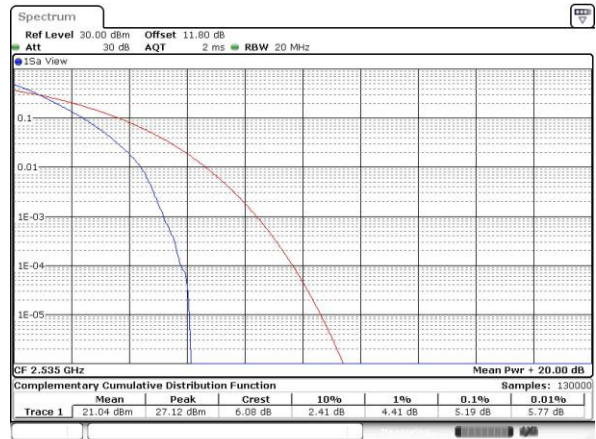
## Lowest Channel / Full RB



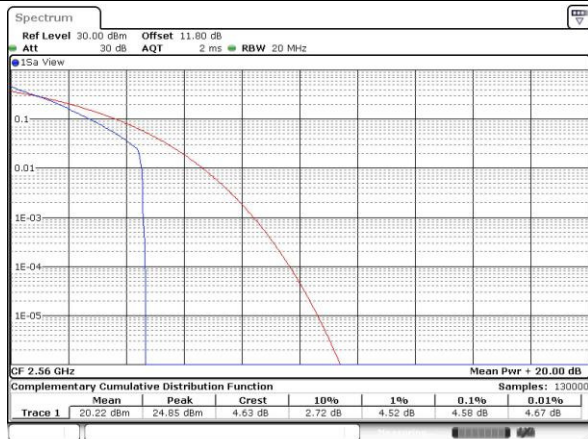
## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB

