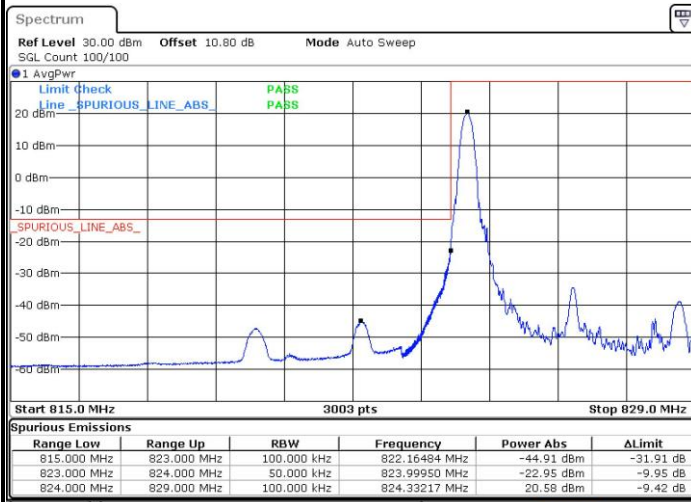


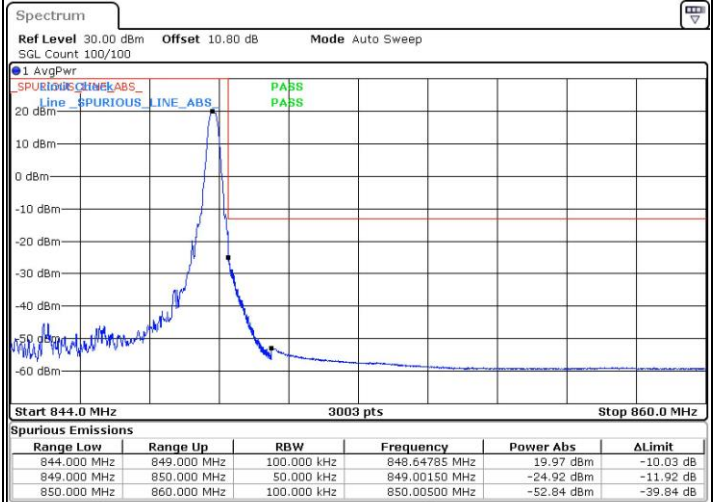


## LTE Band 5 / 5MHz / 16QAM

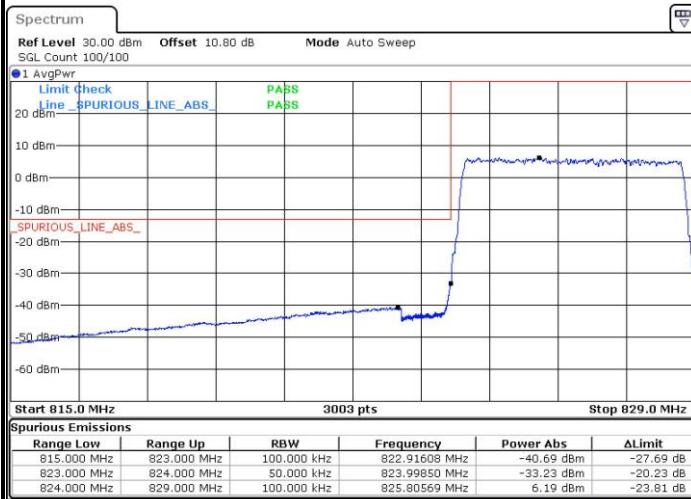
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



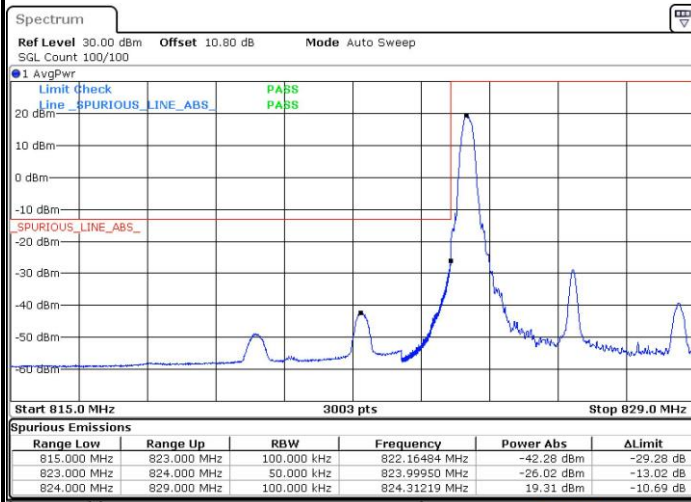
## Highest Band Edge / Full RB



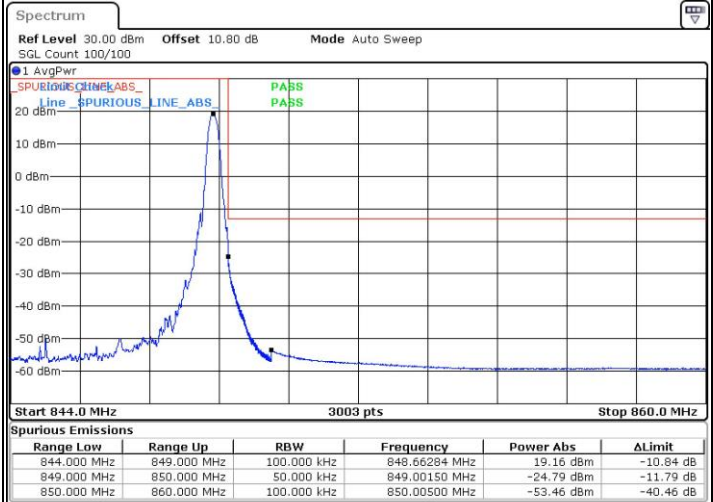


## LTE Band 5 / 5MHz / 64QAM

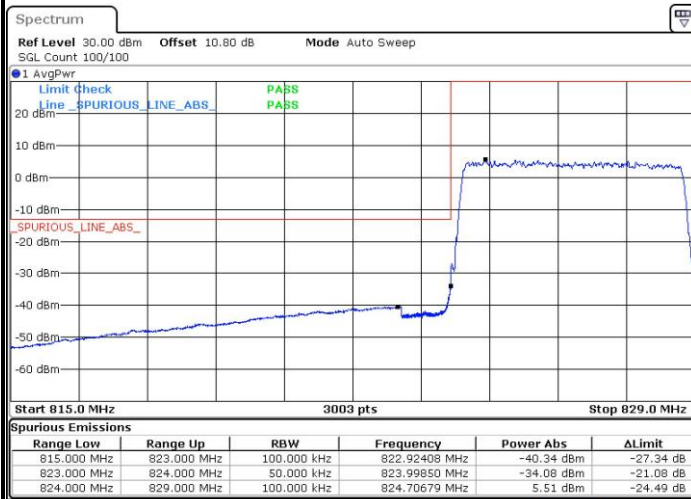
## Lowest Band Edge / 1RB



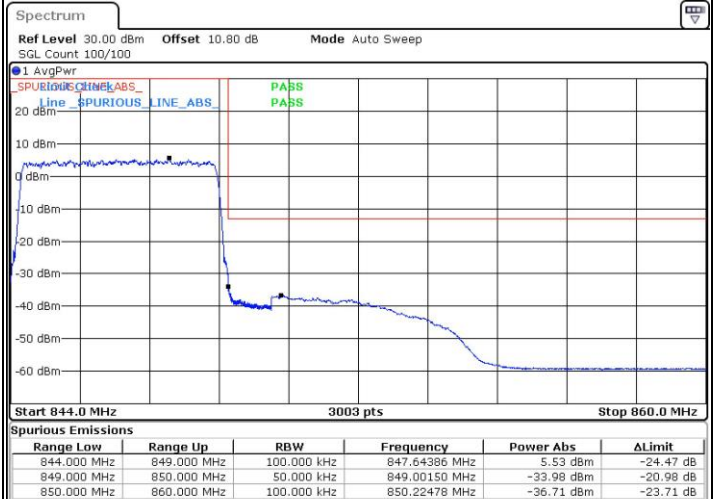
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



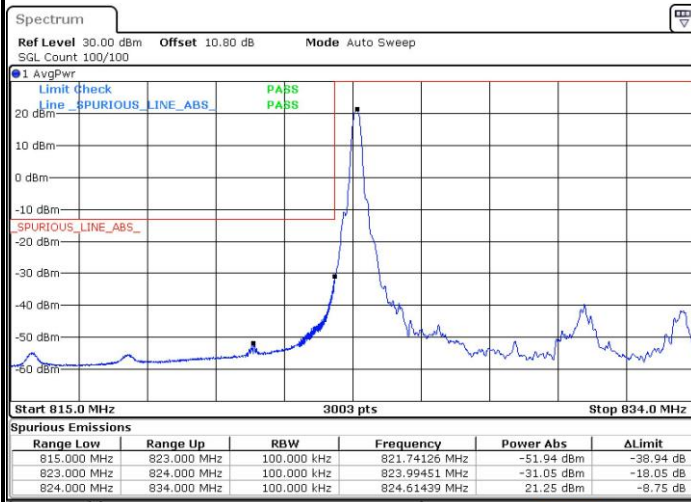
## Highest Band Edge / Full RB



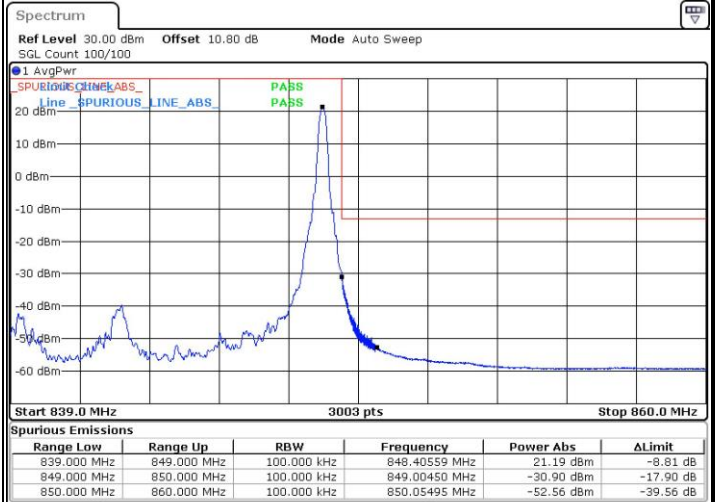


## LTE Band 5 / 10MHz / QPSK

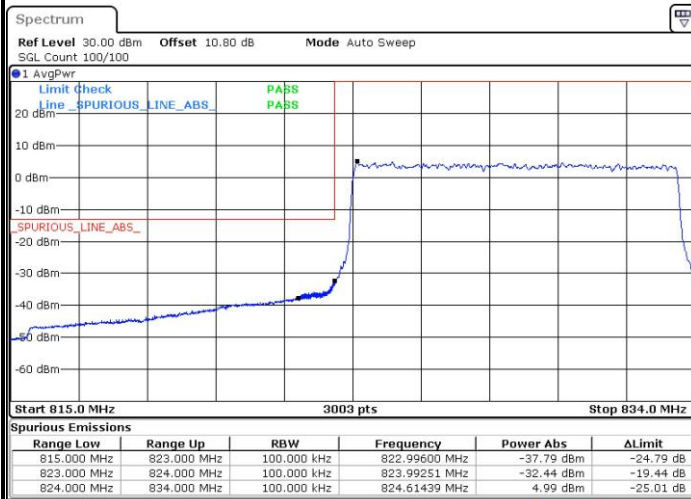
## Lowest Band Edge / 1 RB



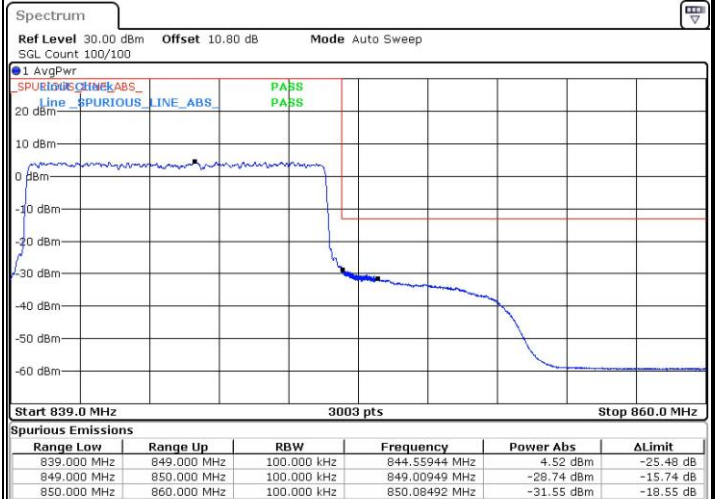
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



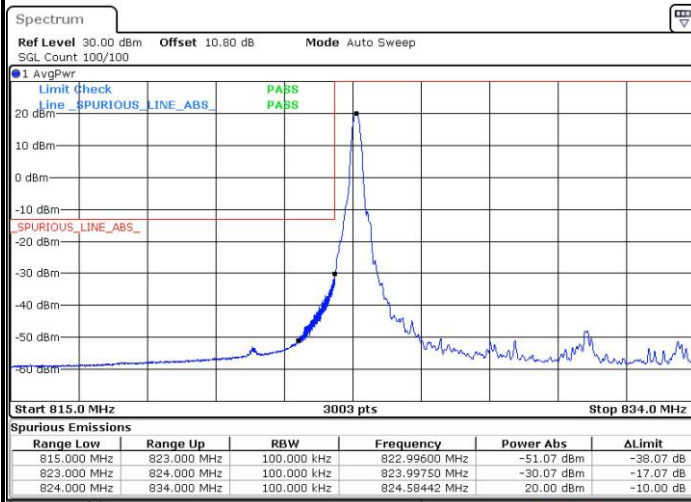
## Highest Band Edge / Full RB



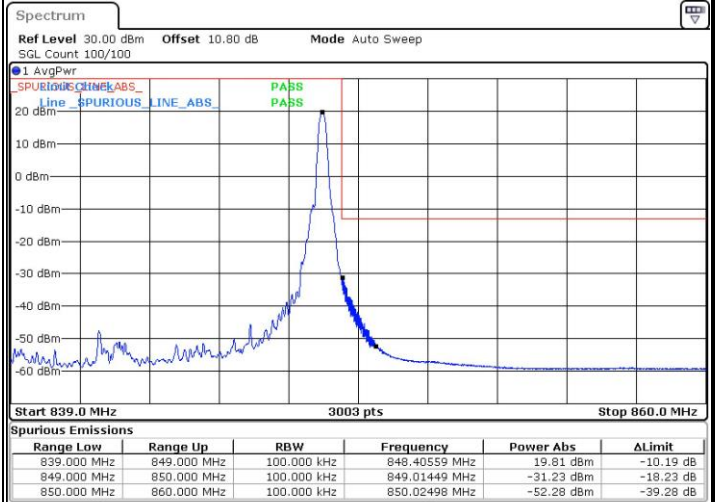


## LTE Band 5 / 10MHz / 16QAM

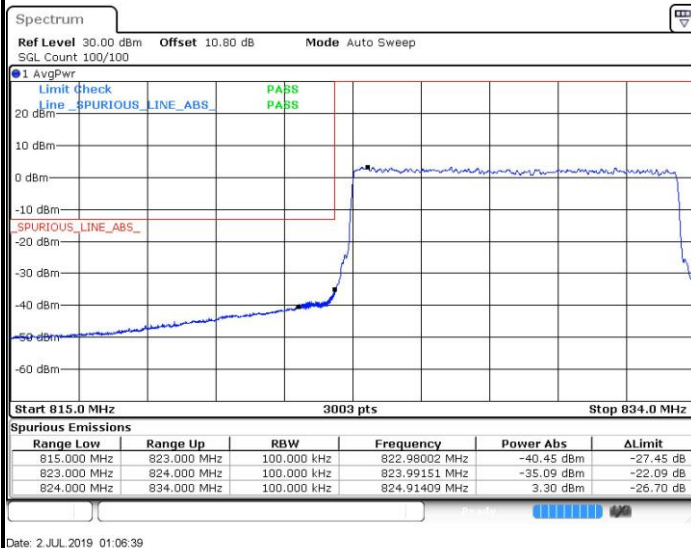
## Lowest Band Edge / 1 RB



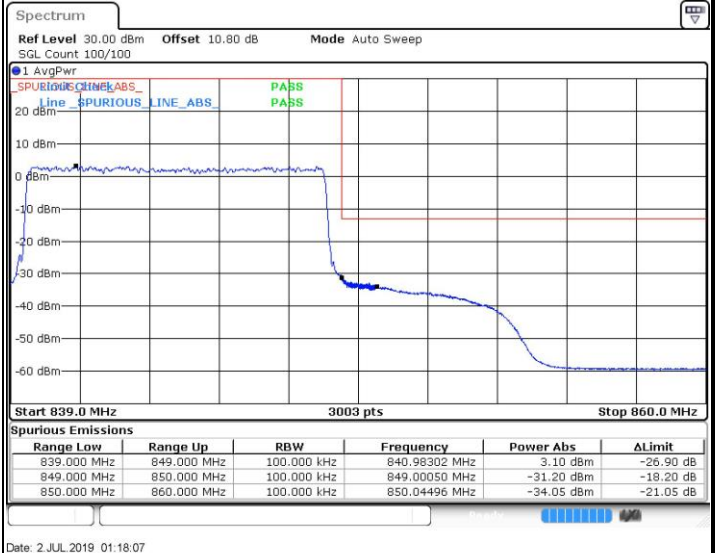
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



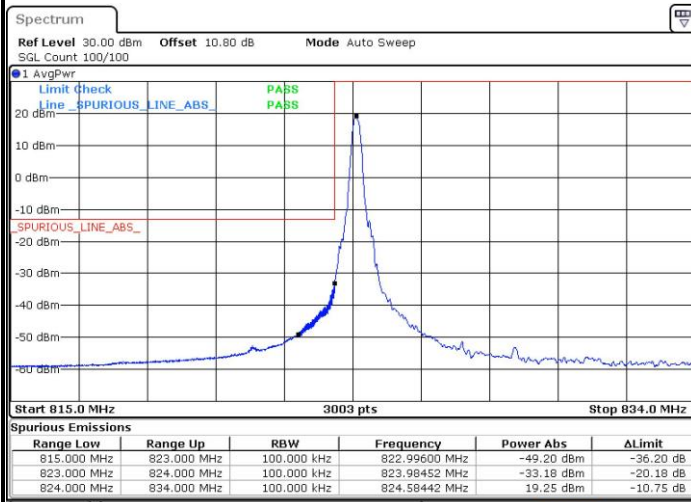
## Highest Band Edge / Full RB



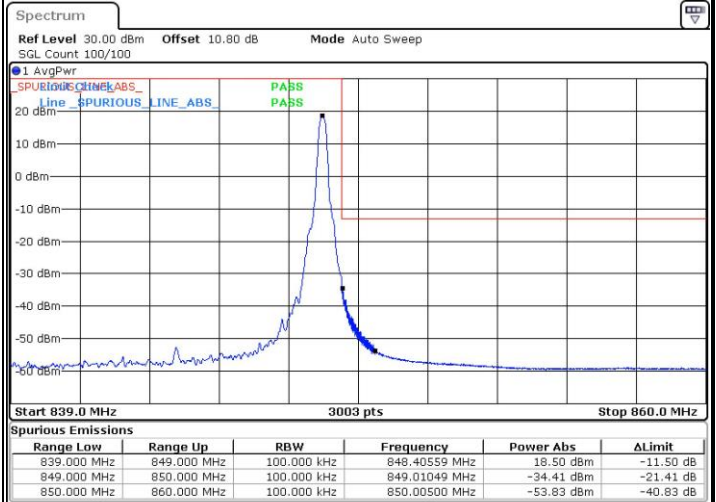


## LTE Band 5 / 10MHz / 64QAM

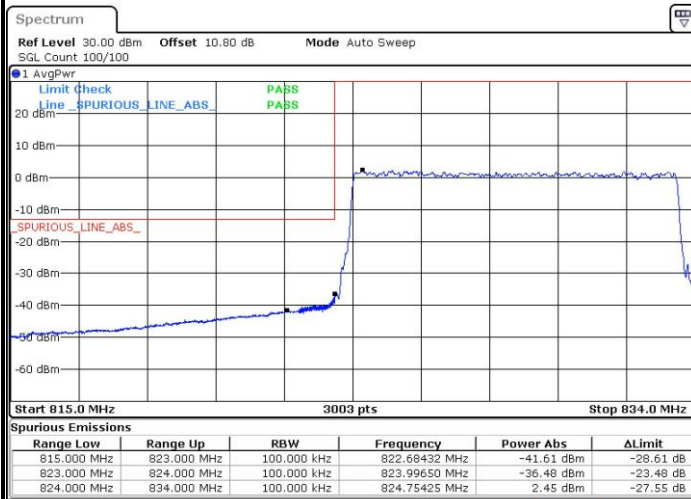
## Lowest Band Edge / 1 RB



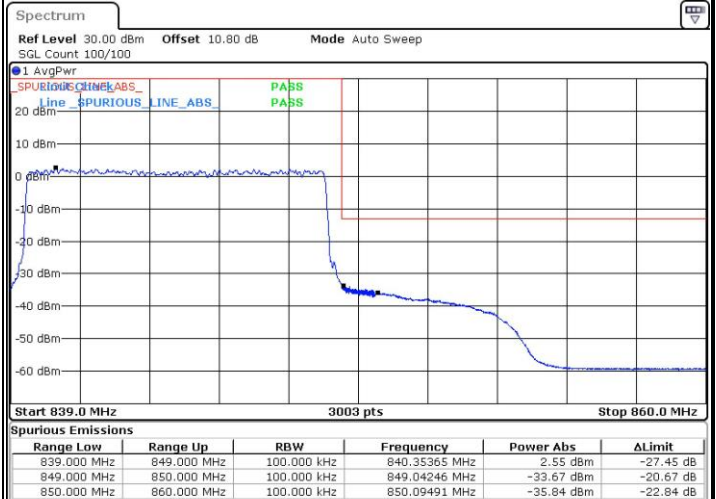
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

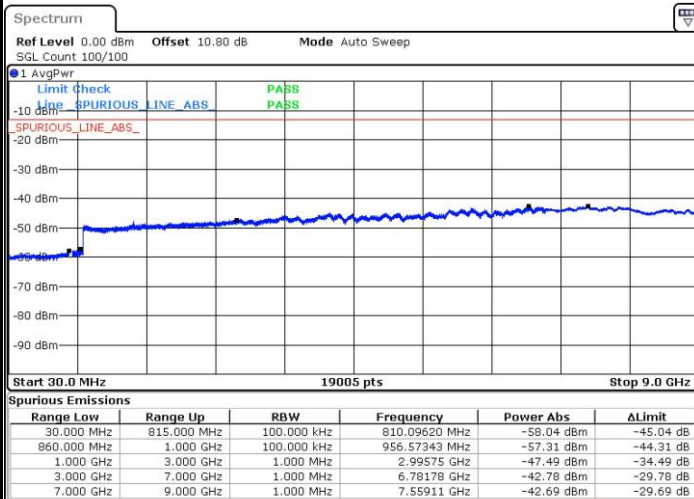




# Conducted Spurious Emission

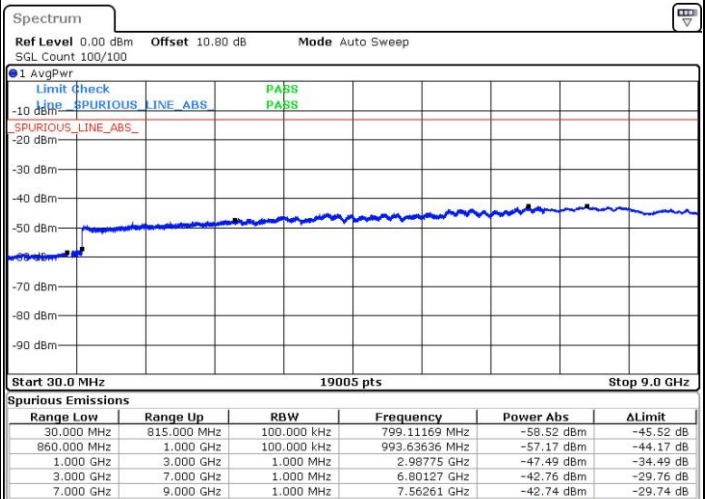
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK



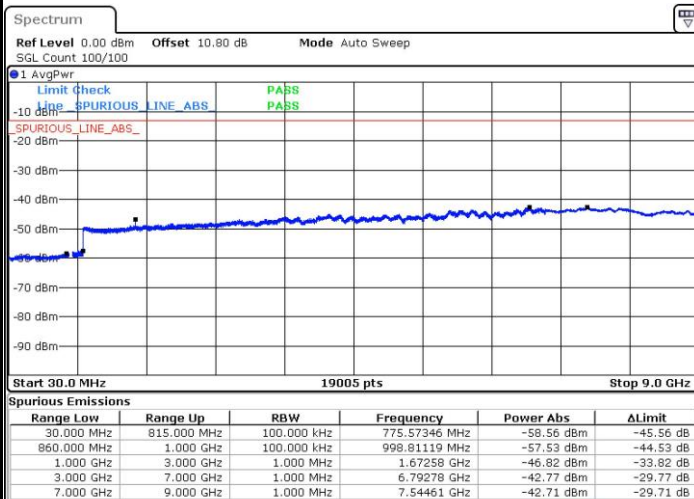
Date: 2 JUL 2019 02:13:31

### Lowest Channel / 16QAM



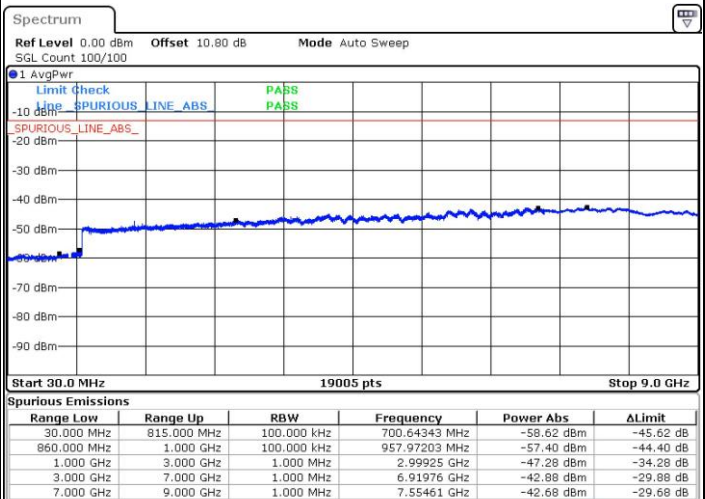
Date: 2 JUL 2019 02:14:17

### Middle Channel / QPSK



Date: 2 JUL 2019 02:15:51

### Middle Channel / 16QAM

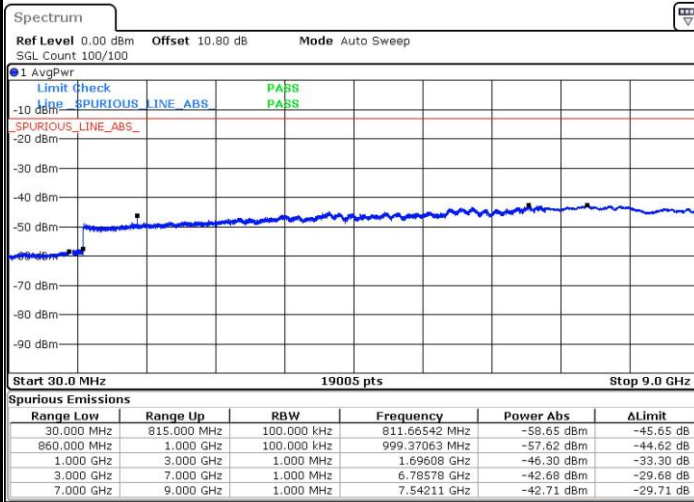


Date: 2 JUL 2019 02:16:37



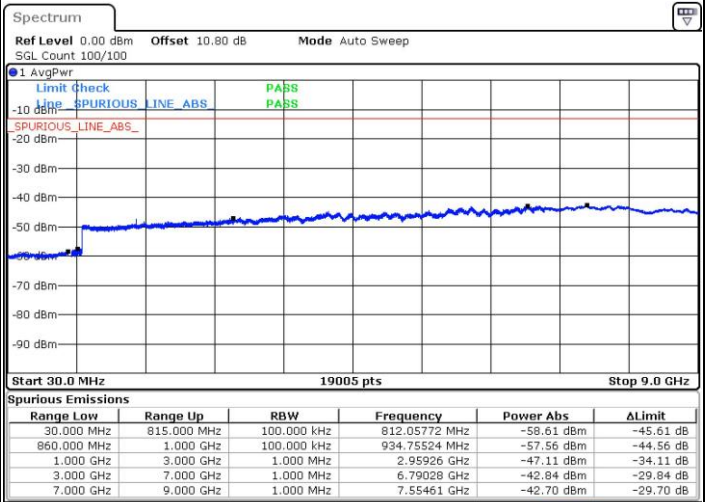
## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK



Date: 2 JUL 2019 02:24:58

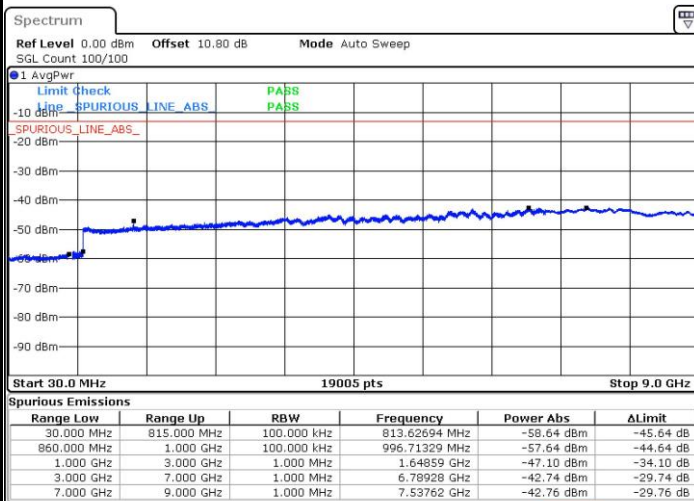
## Highest Channel / 16QAM



Date: 2 JUL 2019 02:25:44

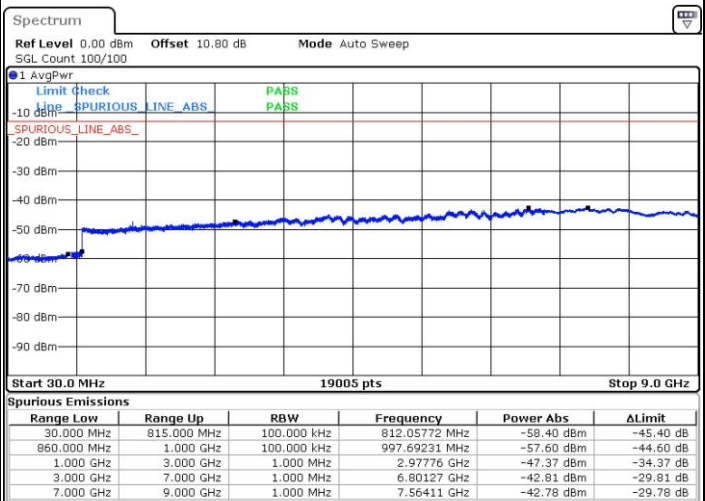
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



Date: 2 JUL 2019 00:06:31

## Lowest Channel / 16QAM

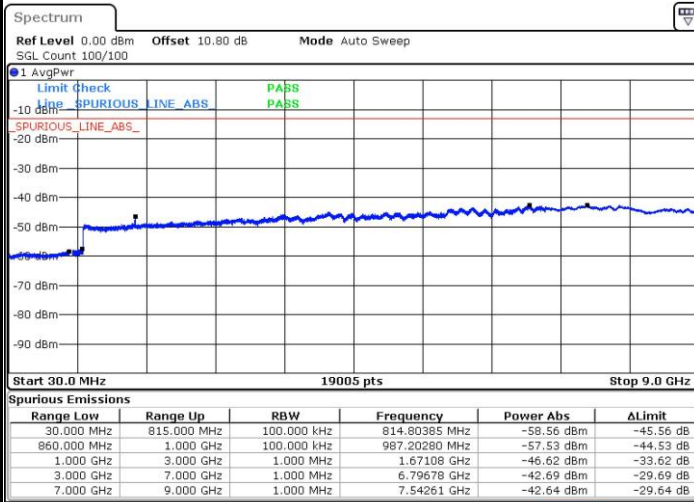


Date: 2 JUL 2019 00:07:17



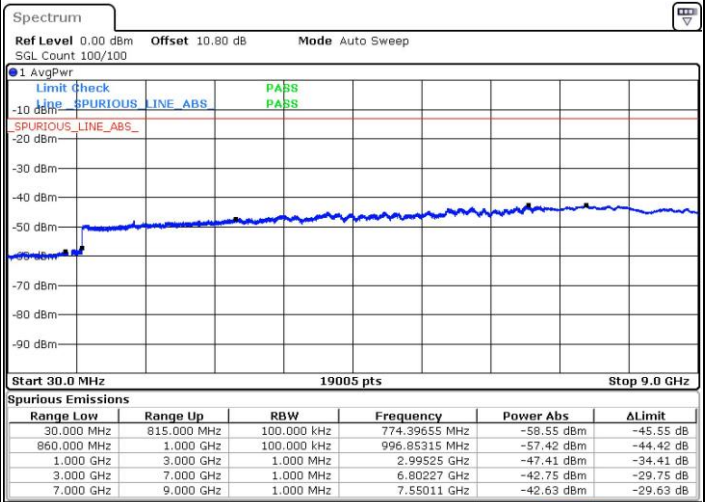
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



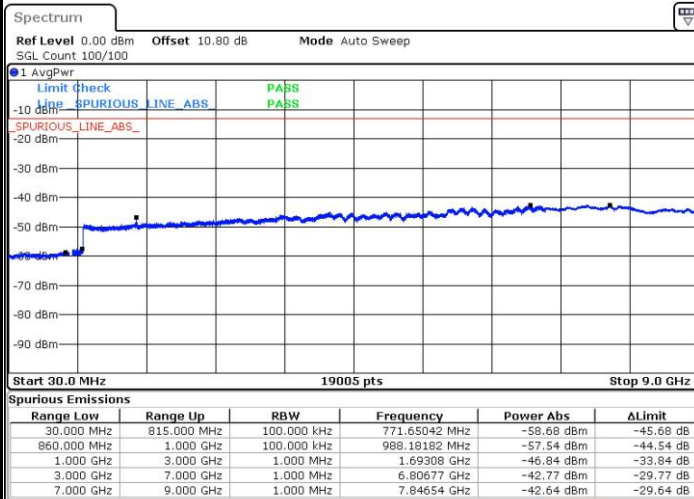
Date: 2 JUL 2019 00:08:50

## Middle Channel / 16QAM



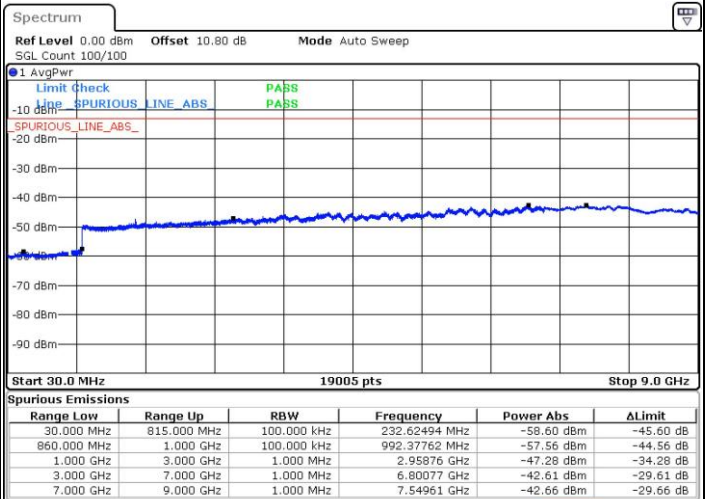
Date: 2 JUL 2019 00:09:36

## Highest Channel / QPSK



Date: 2 JUL 2019 00:17:57

## Highest Channel / 16QAM

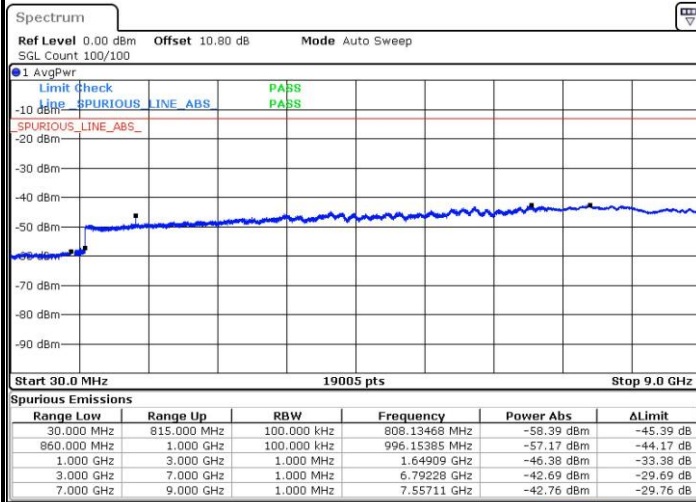


Date: 2 JUL 2019 00:18:43



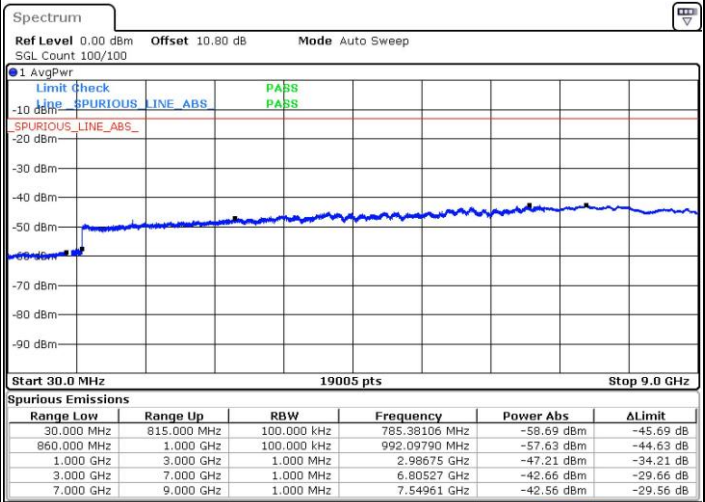
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



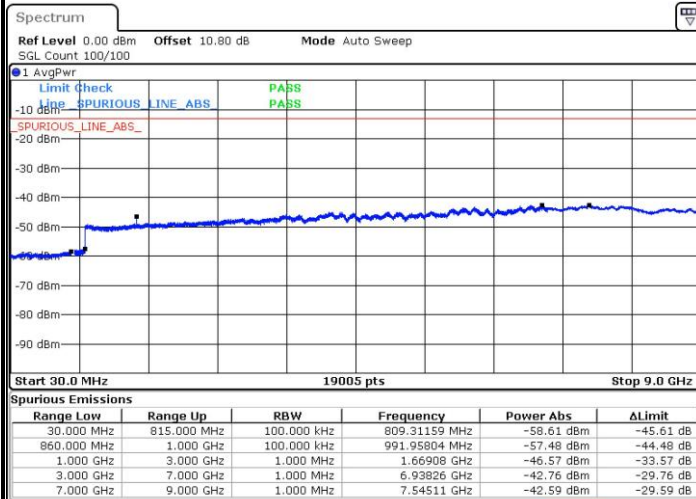
Date: 2 JUL 2019 00:37:22

## Lowest Channel / 16QAM



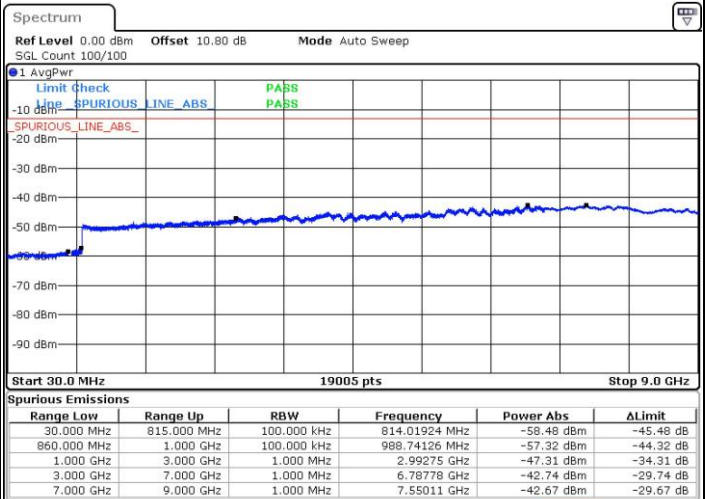
Date: 2 JUL 2019 00:38:09

## Middle Channel / QPSK



Date: 2 JUL 2019 00:39:42

## Middle Channel / 16QAM

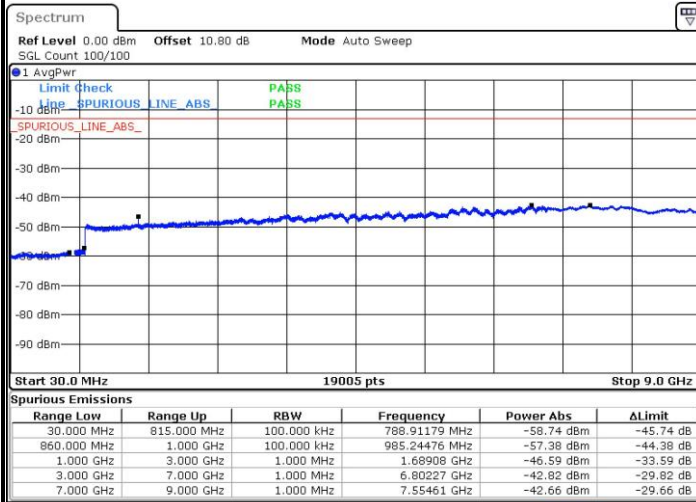


Date: 2 JUL 2019 00:40:28



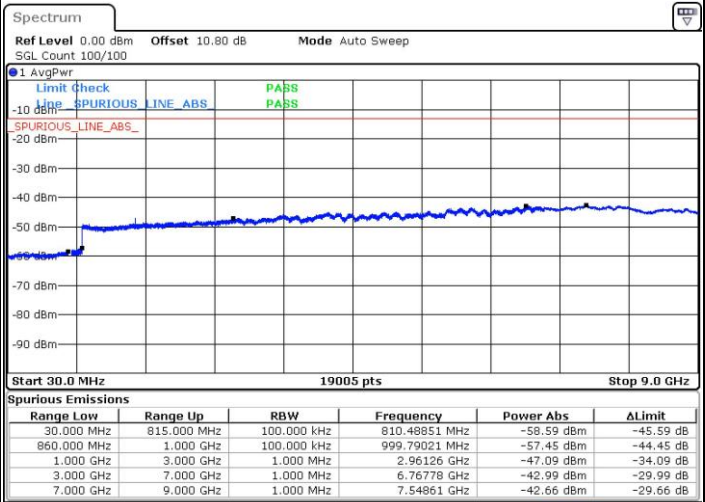
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 2 JUL 2019 00:48:49

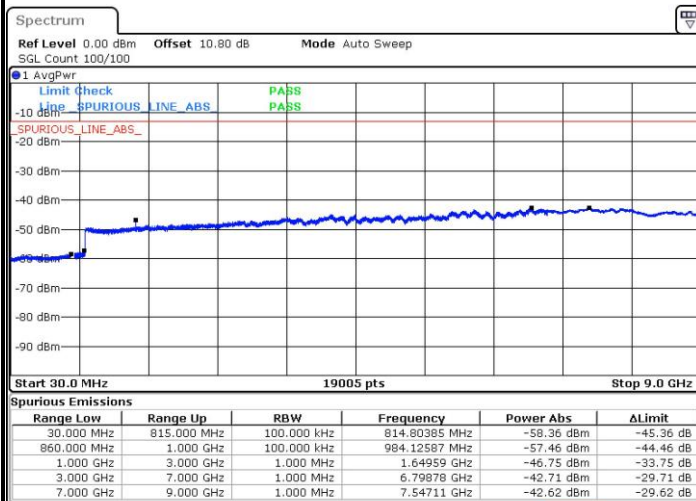
## Highest Channel / 16QAM



Date: 2 JUL 2019 00:49:35

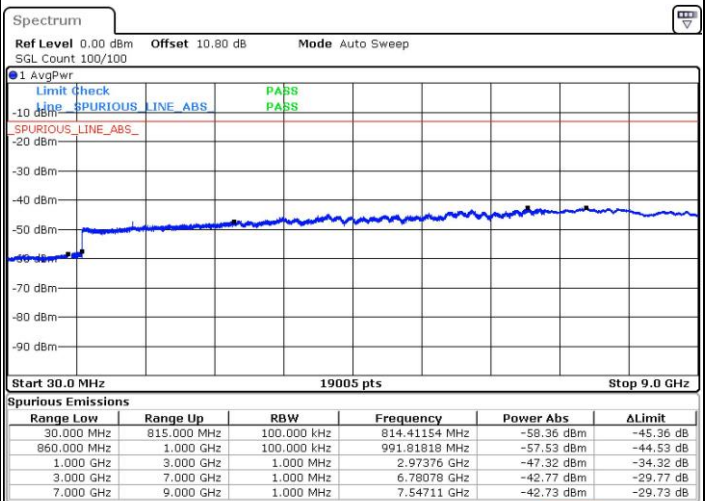
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 2 JUL 2019 01:07:26

## Lowest Channel / 16QAM

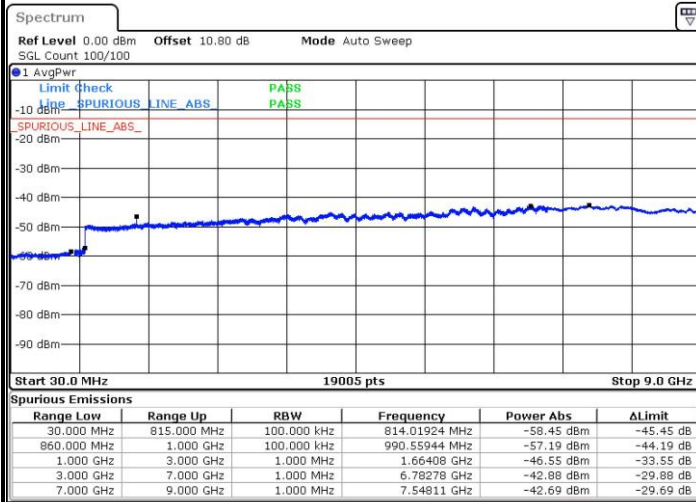


Date: 2 JUL 2019 01:08:12



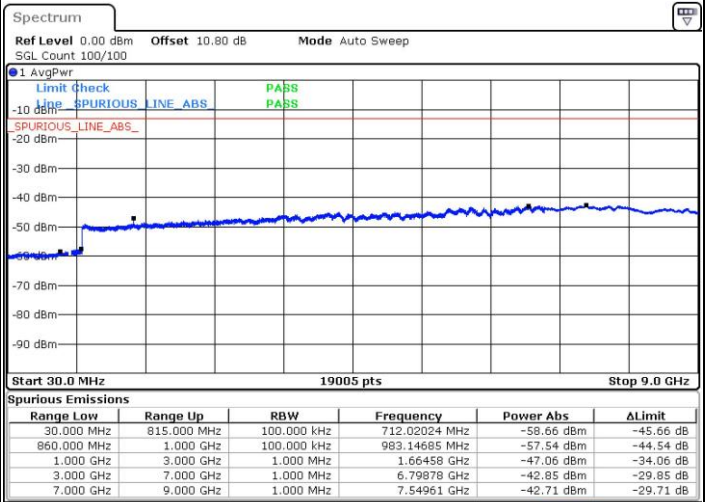
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



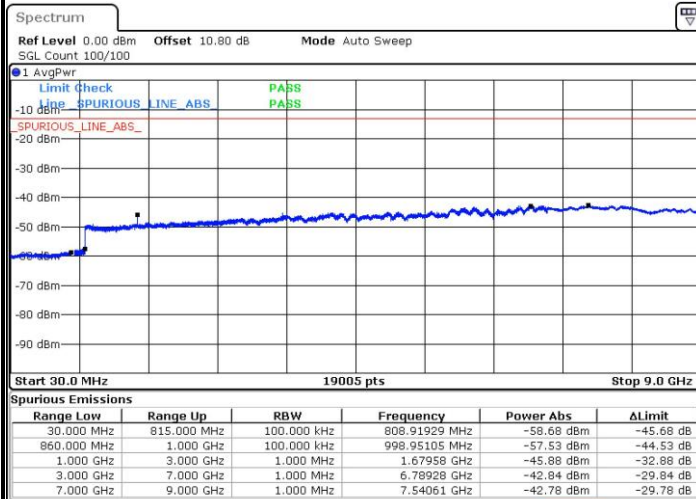
Date: 2 JUL 2019 01:09:46

## Middle Channel / 16QAM



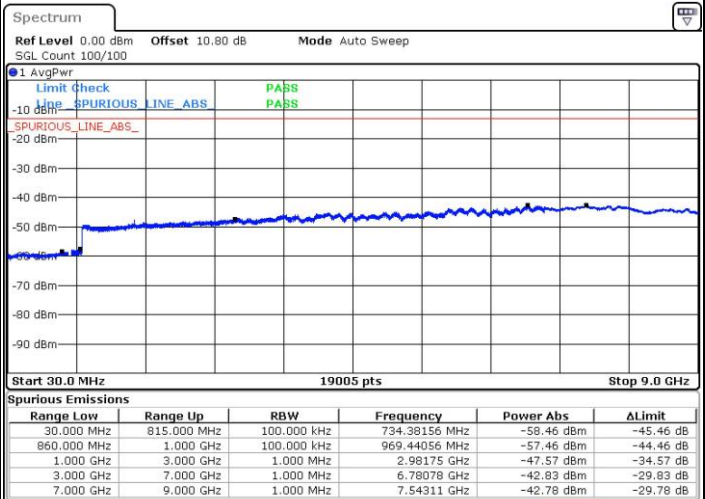
Date: 2 JUL 2019 01:10:32

## Highest Channel / QPSK



Date: 2 JUL 2019 01:18:54

## Highest Channel / 16QAM

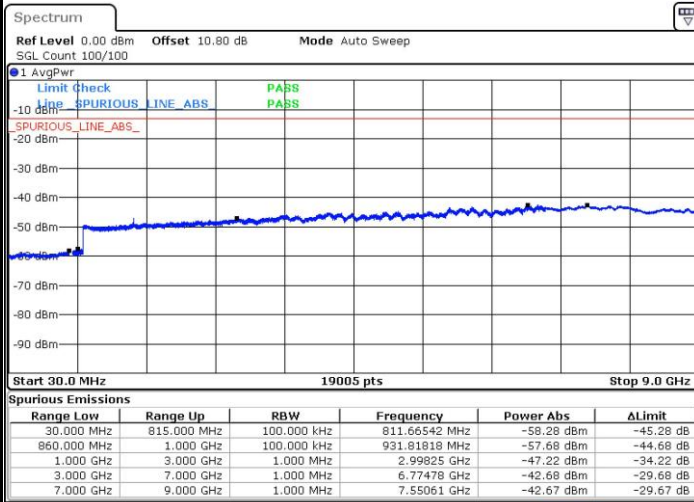


Date: 2 JUL 2019 01:19:40



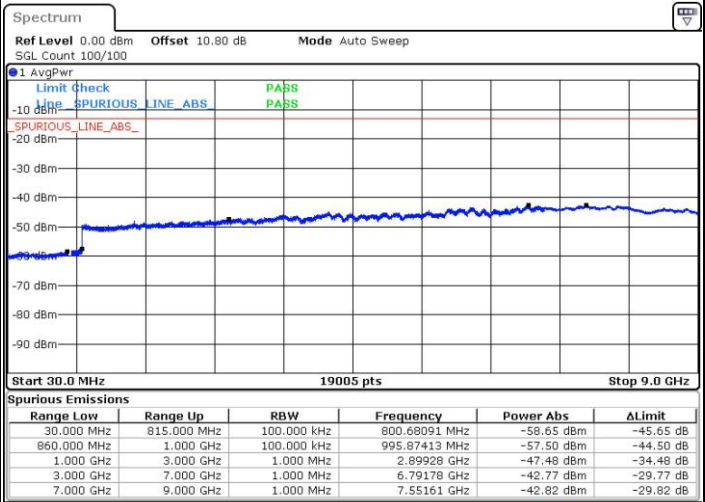
## LTE Band 5 / 1.4MHz

## Lowest Channel / 64QAM



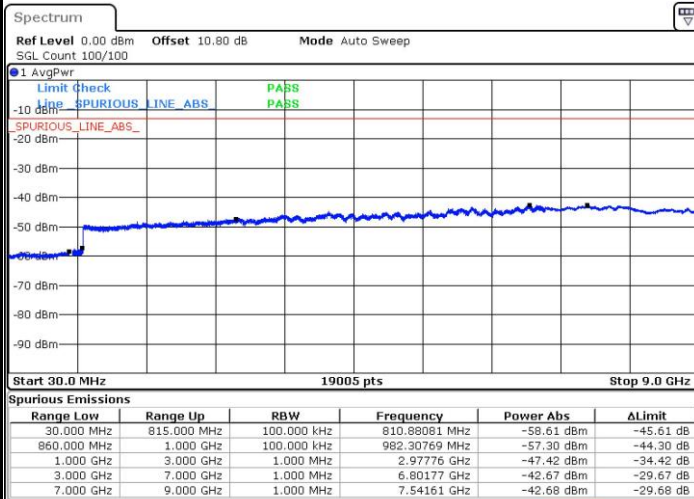
Date: 2 JUL 2019 02:30:18

## Middle Channel / 64QAM



Date: 2 JUL 2019 02:31:27

## Highest Channel / 64QAM

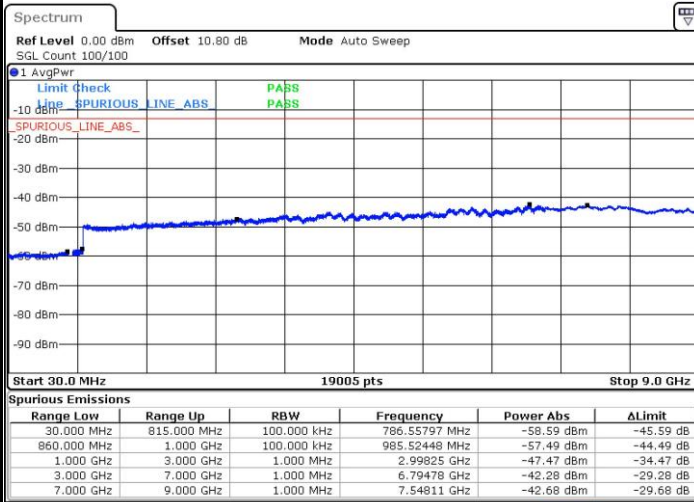


Date: 2 JUL 2019 02:36:23



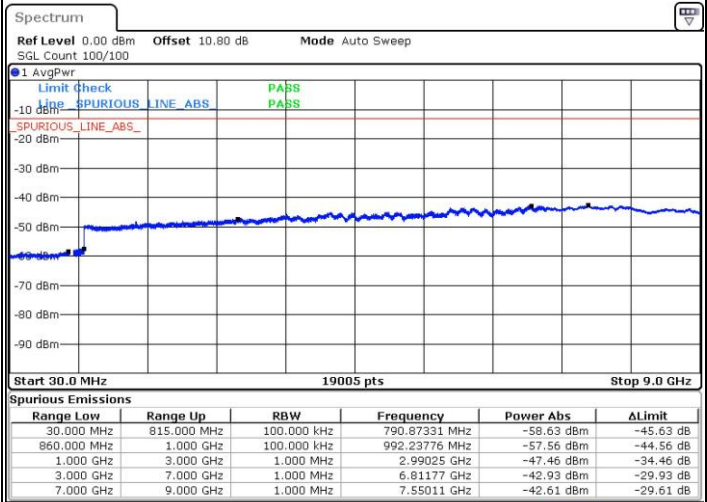
## LTE Band 5 / 3MHz

## Lowest Channel / 64QAM



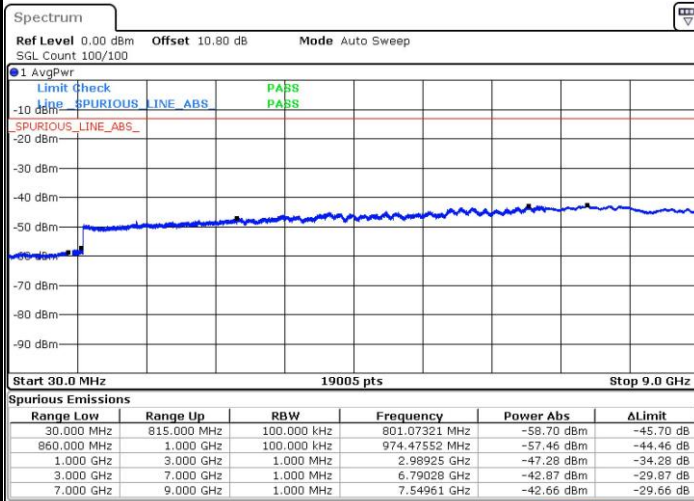
Date: 2 JUL 2019 00:23:17

## Middle Channel / 64QAM



Date: 2 JUL 2019 00:24:27

## Highest Channel / 64QAM

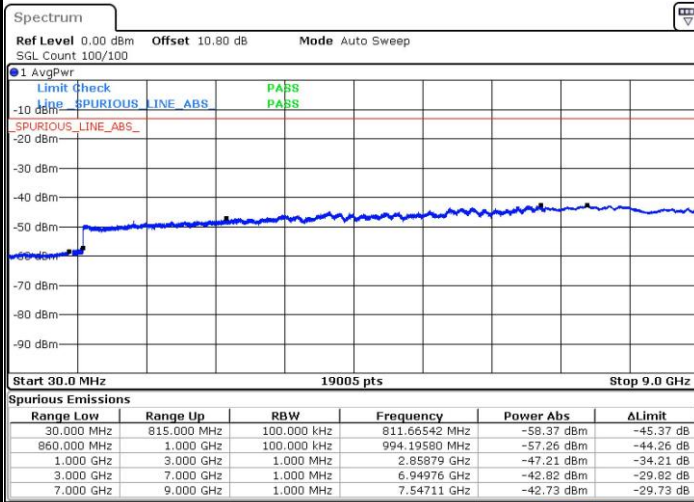


Date: 2 JUL 2019 00:29:00



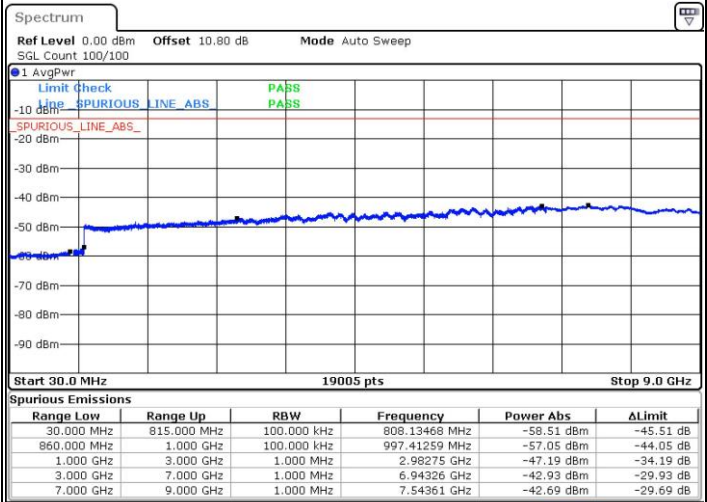
## LTE Band 5 / 5MHz

## Lowest Channel / 64QAM



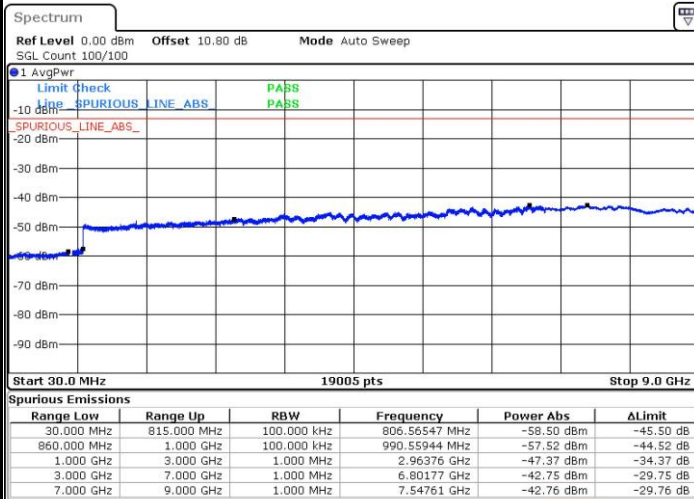
Date: 2 JUL 2019 00:54:08

## Middle Channel / 64QAM



Date: 2 JUL 2019 00:55:18

## Highest Channel / 64QAM

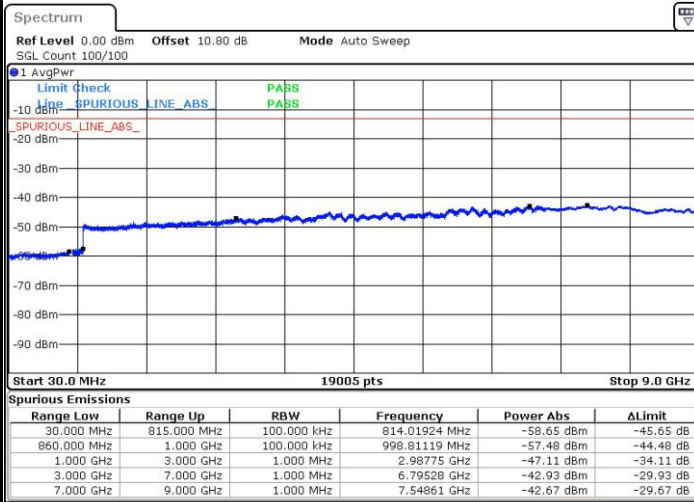


Date: 2 JUL 2019 01:21:27



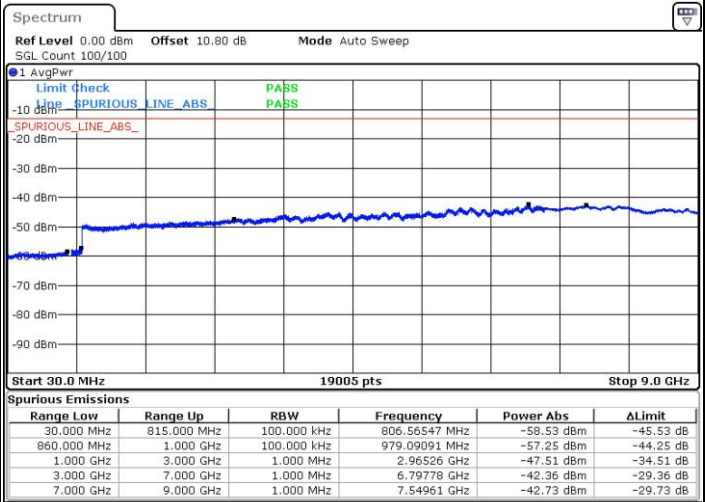
## LTE Band 5 / 10MHz

## Lowest Channel / 64QAM



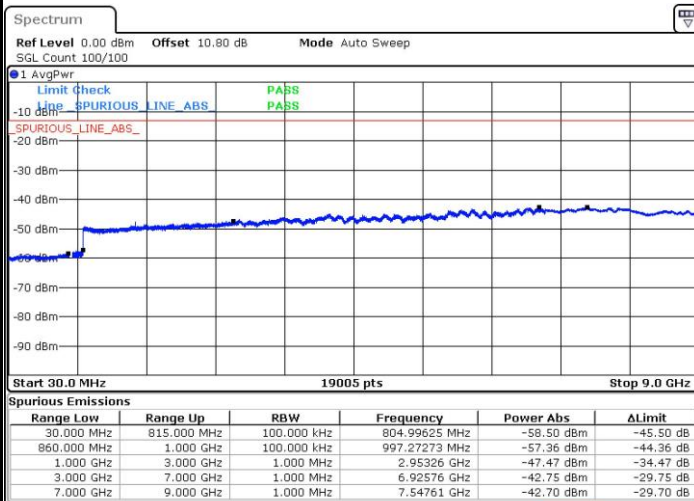
Date: 2 JUL 2019 01:52:10

## Middle Channel / 64QAM



Date: 2 JUL 2019 01:53:20

## Highest Channel / 64QAM



Date: 2 JUL 2019 01:57:52

## 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    | 0.0013                             | PASS   |
| 40               | Normal Voltage    | 0.0063                             |        |
| 30               | Normal Voltage    | 0.0050                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0002                             |        |
| 0                | Normal Voltage    | 0.0053                             |        |
| -10              | Normal Voltage    | 0.0068                             |        |
| -20              | Normal Voltage    | 0.0047                             |        |
| -30              | Normal Voltage    | 0.0020                             |        |
| 20               | Maximum Voltage   | 0.0045                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0023                             |        |

**Note:**

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.65 V. ; Maximum Voltage =4.25V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 7

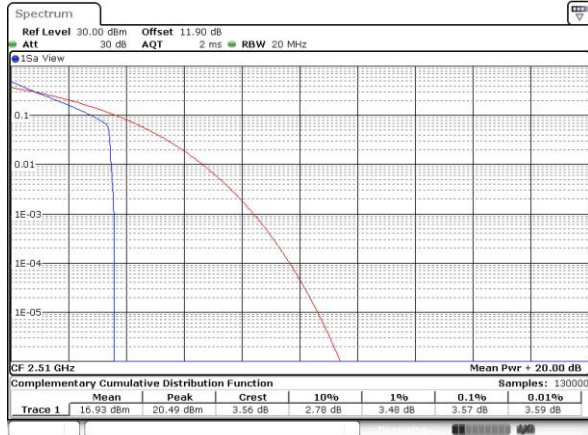
### Peak-to-Average Ratio

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.57               | 4.58    | 3.86  | 5.88    | PASS        |
| Middle CH  | 3.51               | 4.96    | 4.14  | 5.88    |             |
| Highest CH | 3.86               | 4.93    | 4.49  | 5.91    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 5.10               | 6.38    | -     | -       | PASS        |
| Middle CH  | 4.99               | 6.43    | -     | -       |             |
| Highest CH | 5.36               | 6.38    | -     | -       |             |

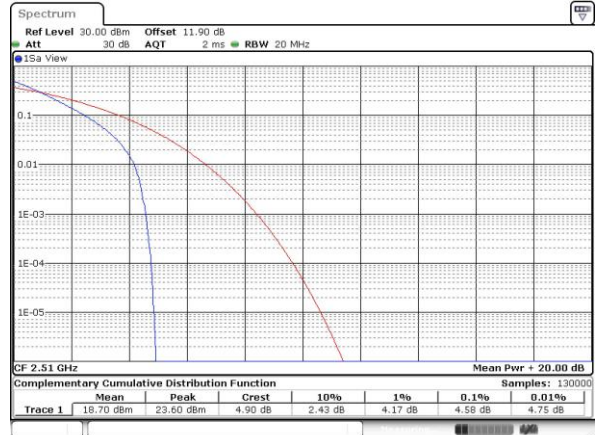


## LTE Band 7 / 20MHz / QPSK

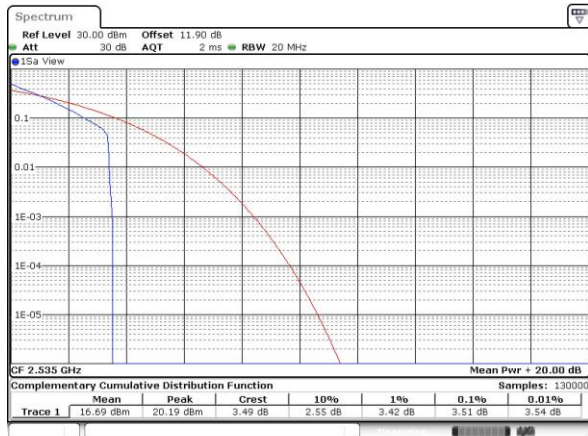
## Lowest Channel / 1RB



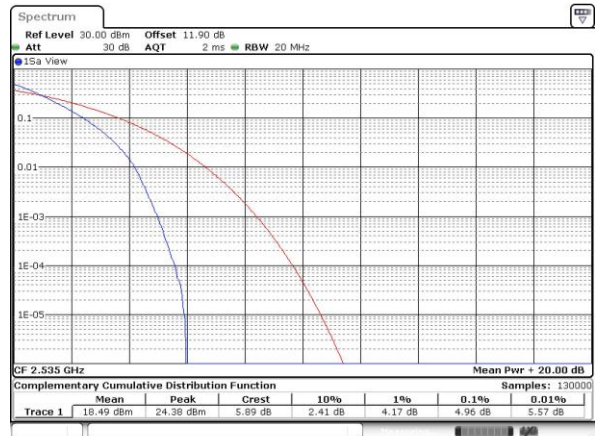
## Lowest Channel / Full RB



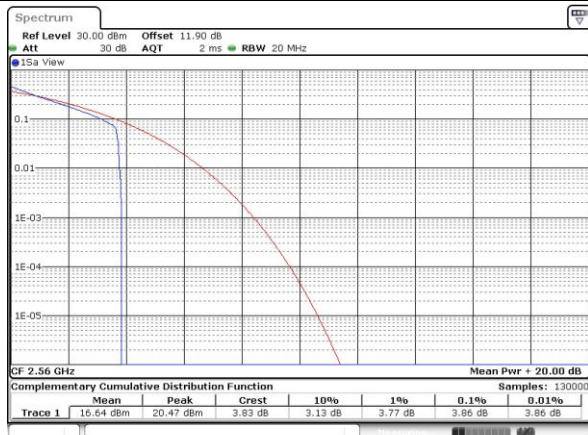
## Middle Channel / 1RB



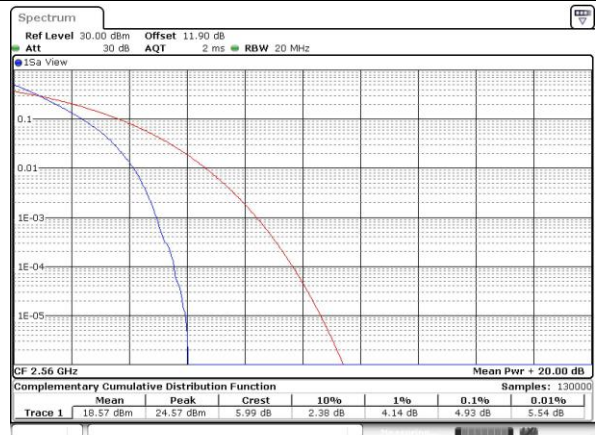
## Middle Channel / Full RB



## Highest Channel / 1RB



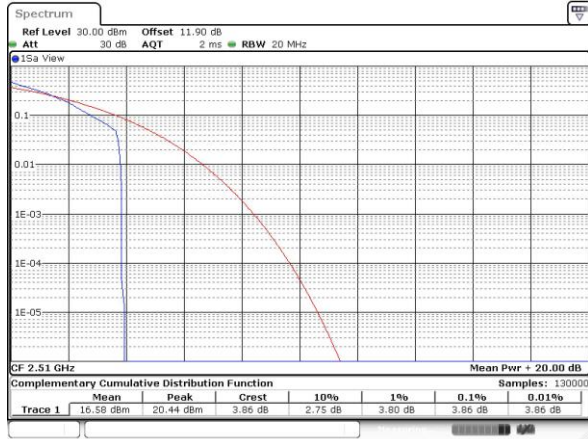
## Highest Channel / Full RB



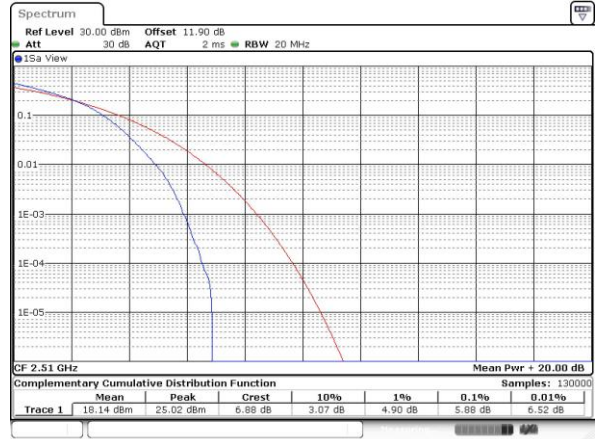


## LTE Band 7 / 20MHz / 16QAM

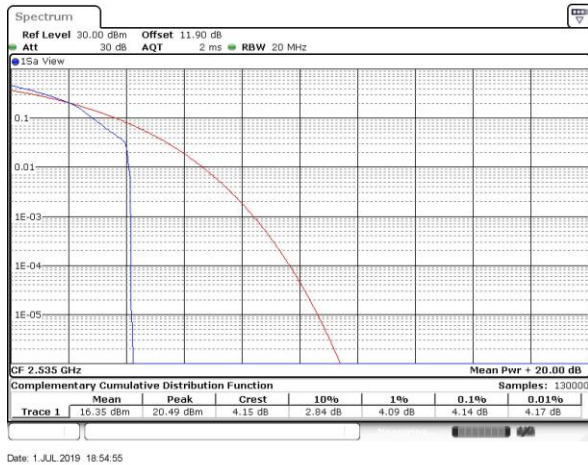
## Lowest Channel / 1RB



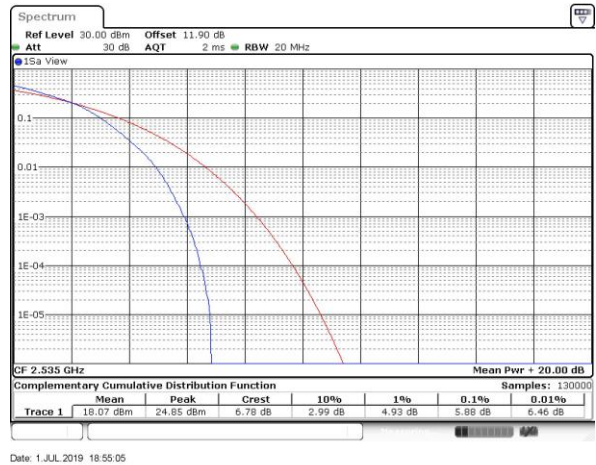
## Lowest Channel / Full RB



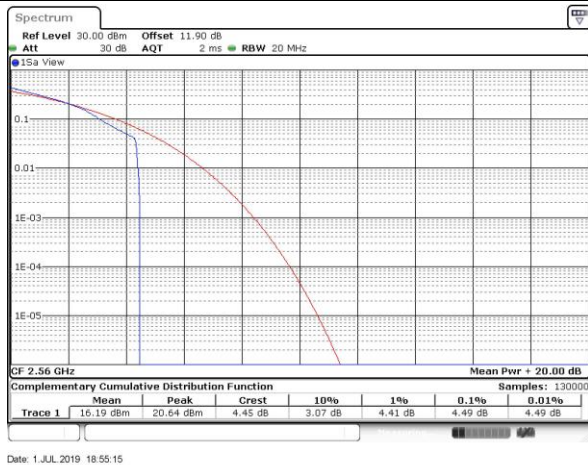
## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB

