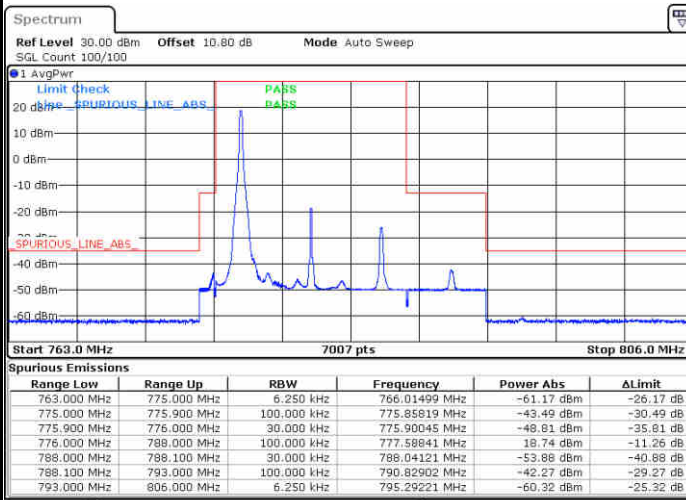


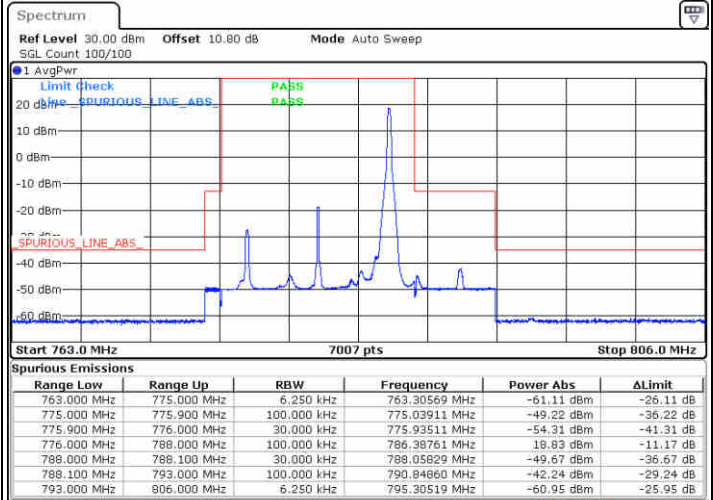


## LTE Band 13 / 10MHz / 16QAM

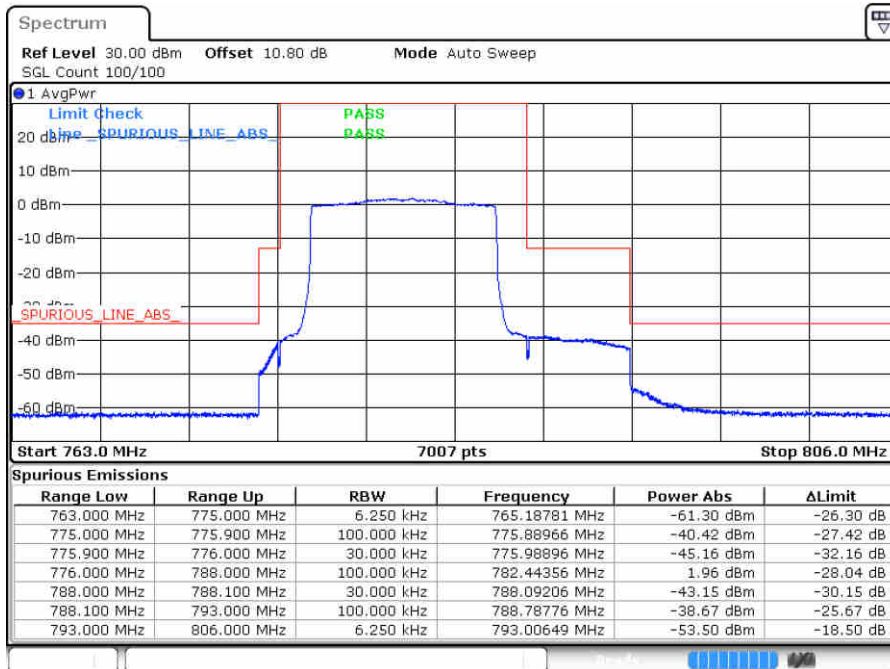
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



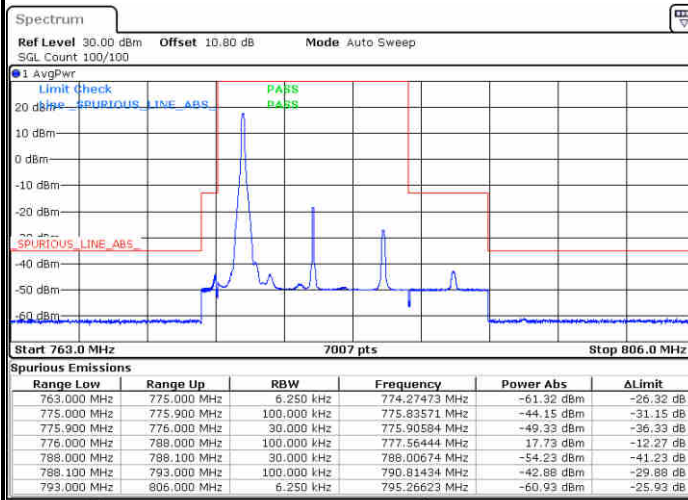
## Band Edge / Full RB





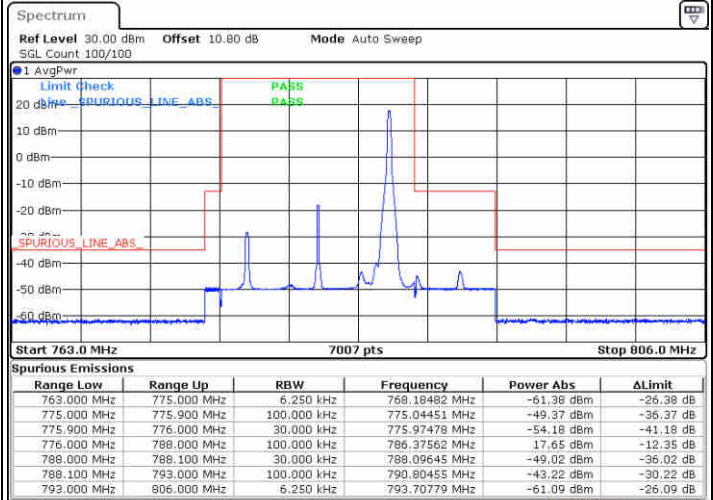
## LTE Band 13 / 10MHz / 64QAM

## Lowest Band Edge / 1 RB



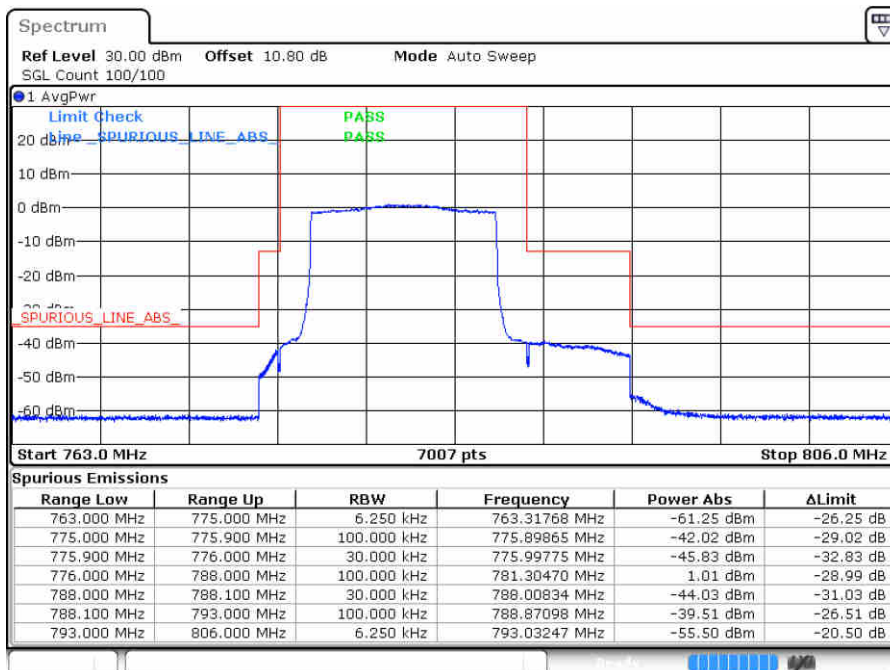
Date: 2.OCT.2017 05:07:53

## Highest Band Edge / 1 RB



Date: 2.OCT.2017 05:09:32

## Band Edge / Full RB

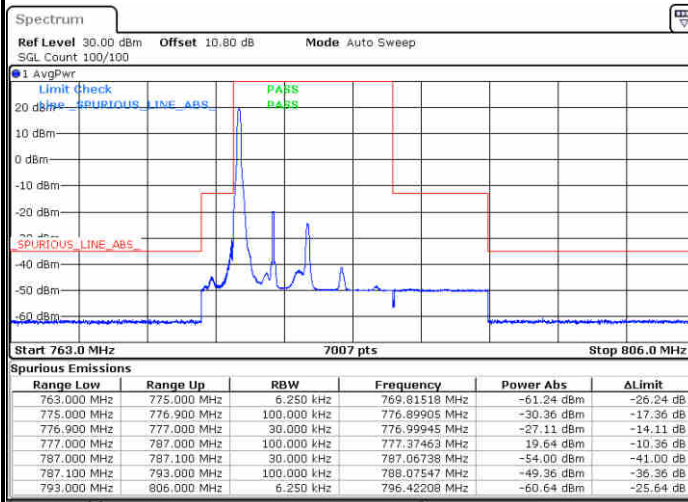


Date: 2.OCT.2017 05:06:14



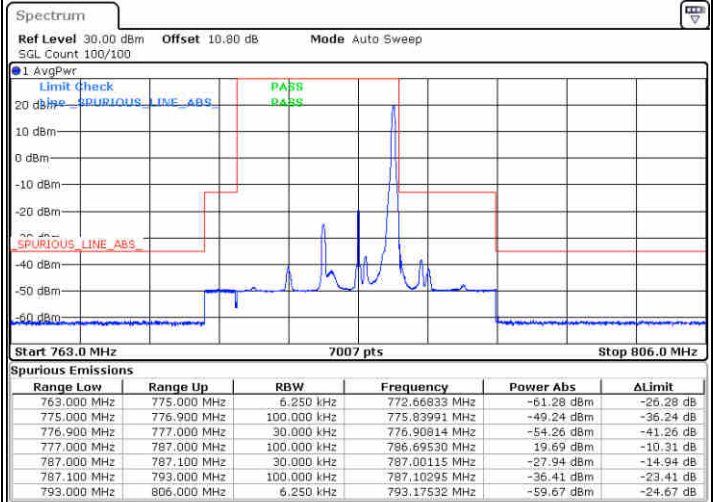
## IC LTE Band 13 / 5MHz / QPSK

## Lowest Band Edge / 1 RB



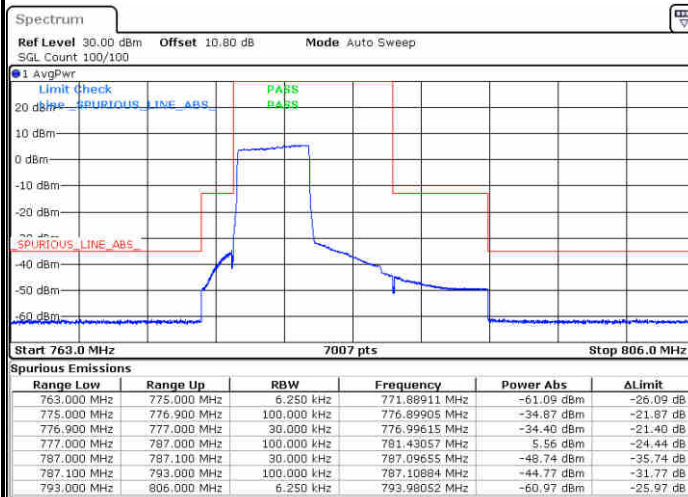
Date: 2.OCT.2017 05:24:38

## Highest Band Edge / 1 RB



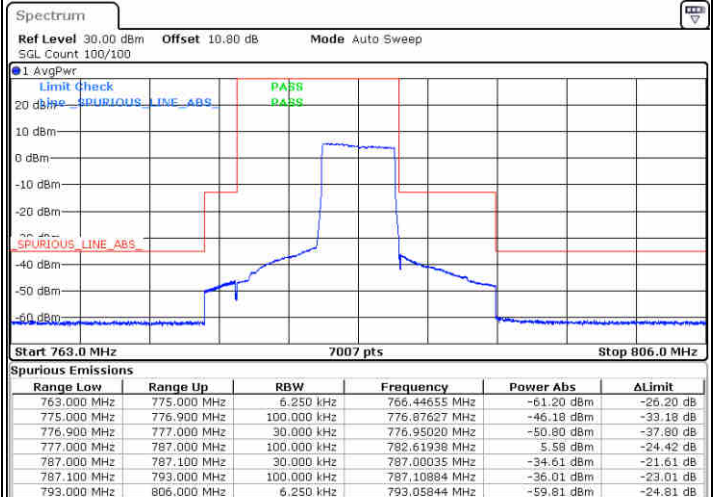
Date: 2.OCT.2017 05:31:13

## Lowest Band Edge / Full RB



Date: 2.OCT.2017 05:19:41

## Highest Band Edge / Full RB

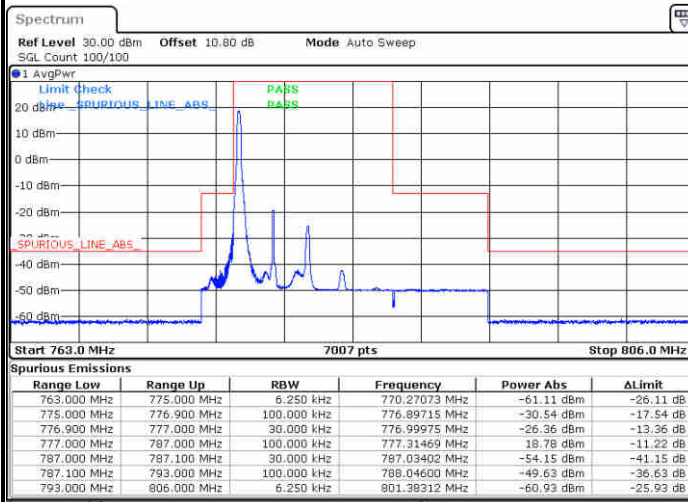


Date: 2.OCT.2017 05:26:17

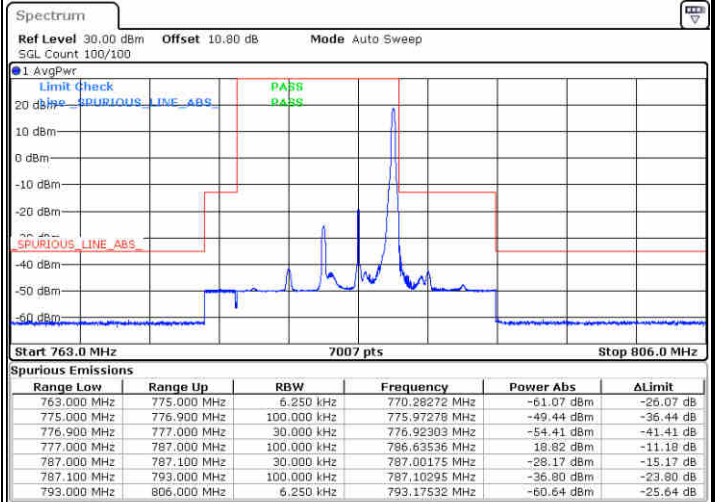


## IC LTE Band 13 / 5MHz / 16QAM

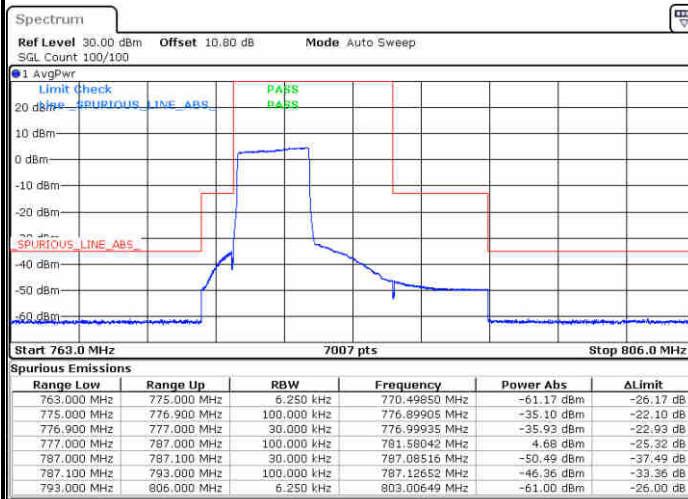
## Lowest Band Edge / 1 RB



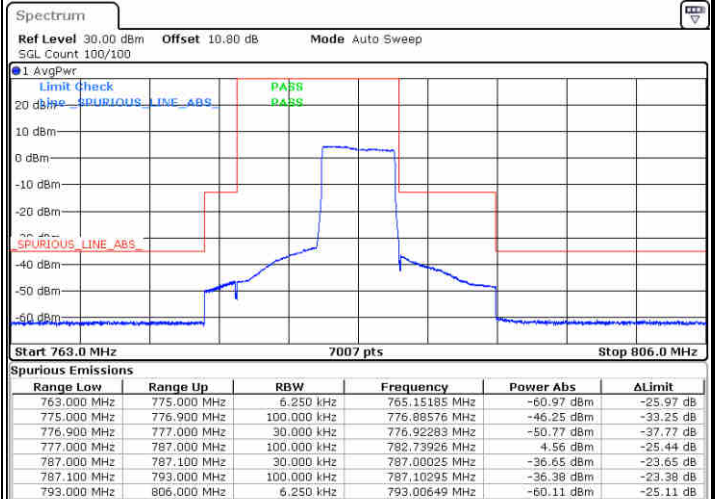
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



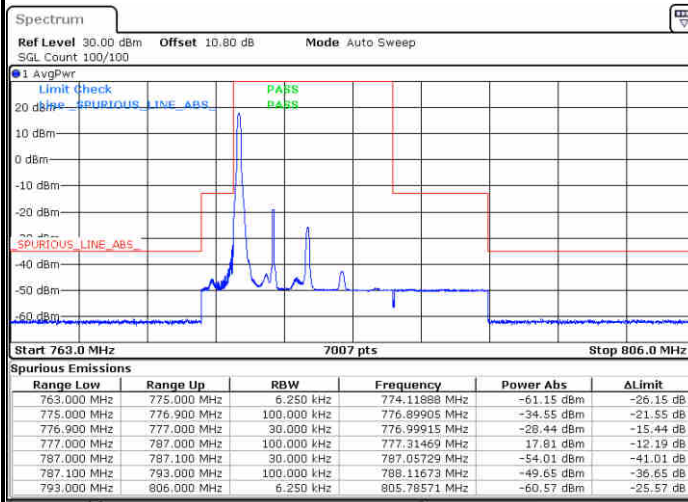
## Highest Band Edge / Full RB



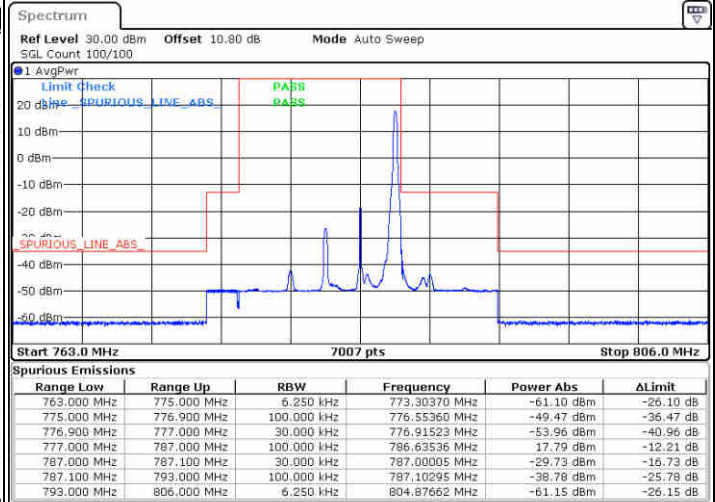


## IC LTE Band 13 / 5MHz / 64QAM

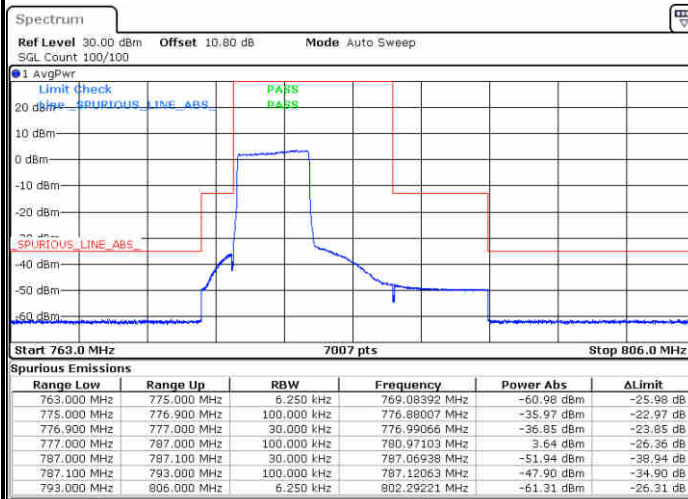
## Lowest Band Edge / 1 RB



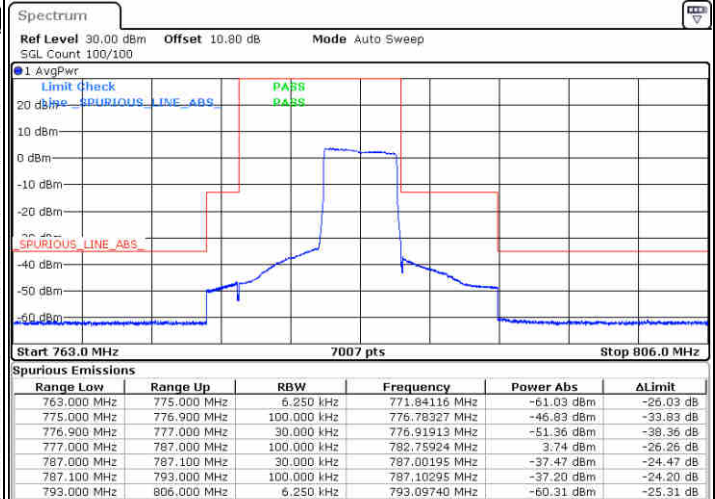
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



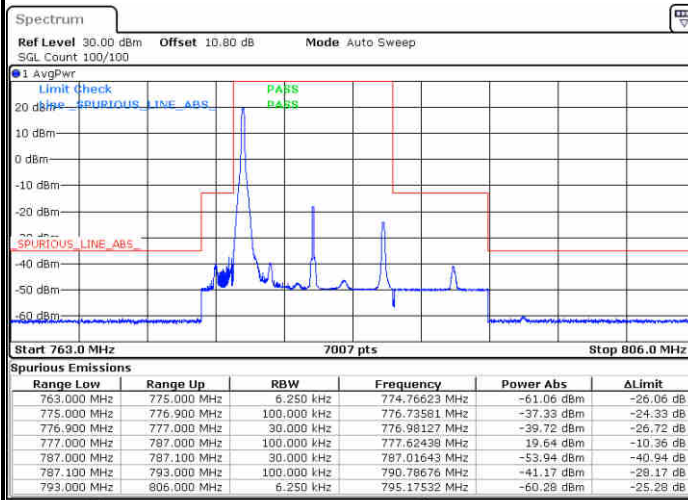
## Highest Band Edge / Full RB





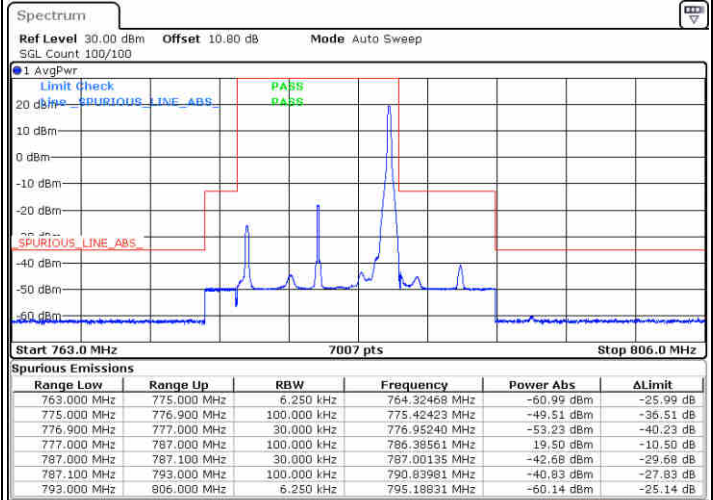
## IC LTE Band 13 / 10MHz / QPSK

## Lowest Band Edge / 1 RB



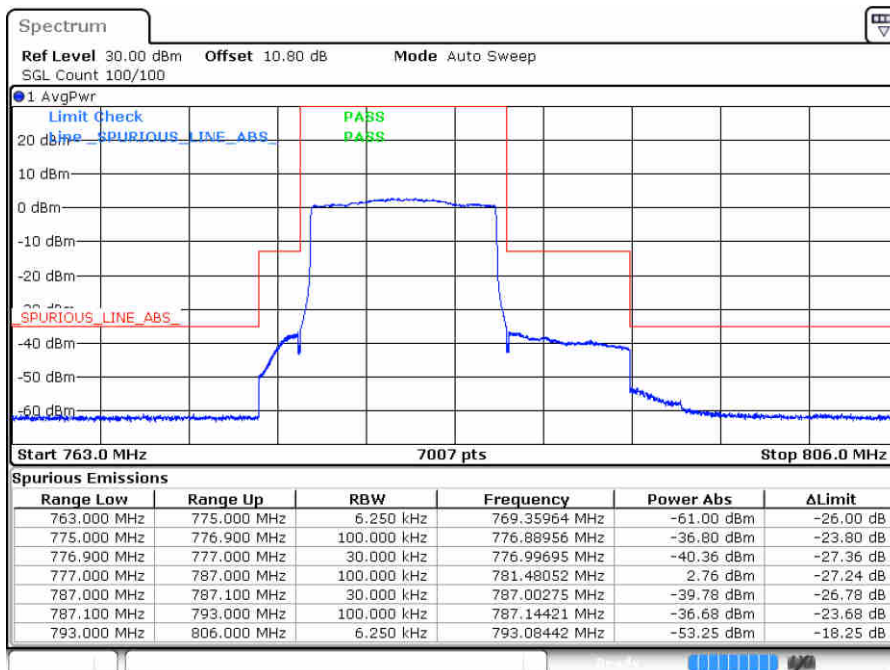
Date: 2.OCT.2017 08:52:44

## Highest Band Edge / 1 RB



Date: 2.OCT.2017 09:01:12

## Band Edge / Full RB

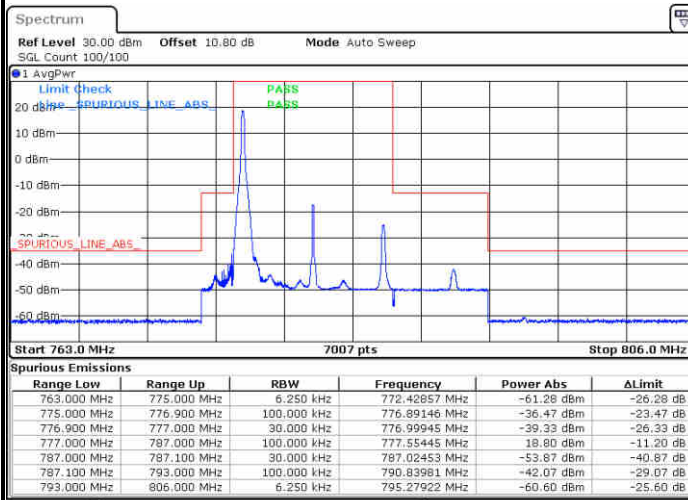


Date: 2.OCT.2017 08:59:50



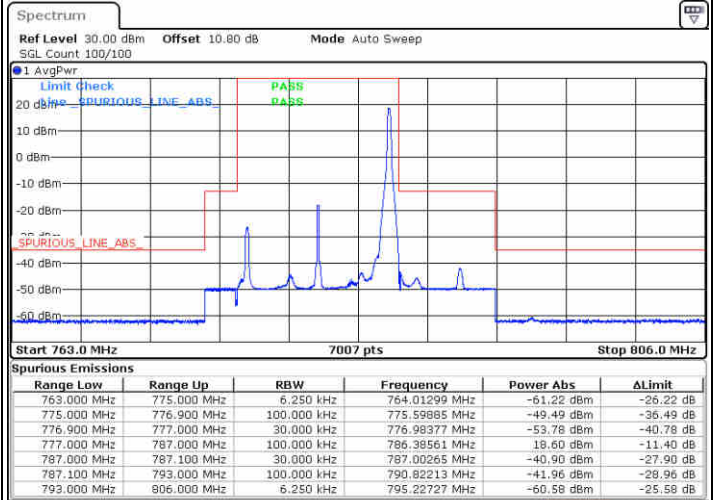
## IC LTE Band 13 / 10MHz / 16QAM

## Lowest Band Edge / 1 RB



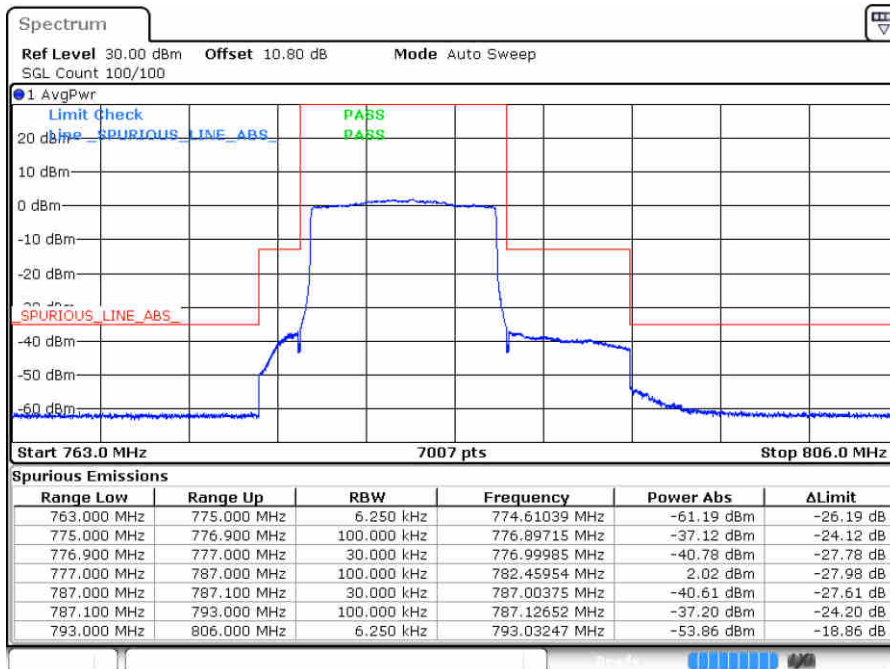
Date: 2.OCT.2017 08:54:00

## Highest Band Edge / 1 RB



Date: 2.OCT.2017 09:03:15

## Band Edge / Full RB

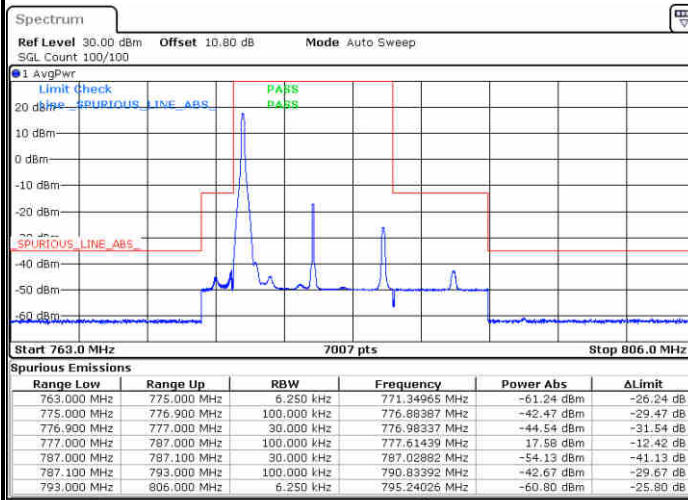


Date: 2.OCT.2017 08:58:01



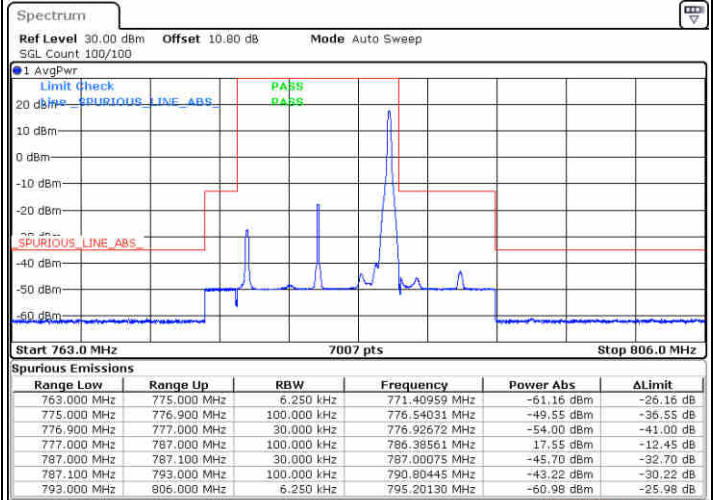
## IC LTE Band 13 / 10MHz / 64QAM

## Lowest Band Edge / 1 RB



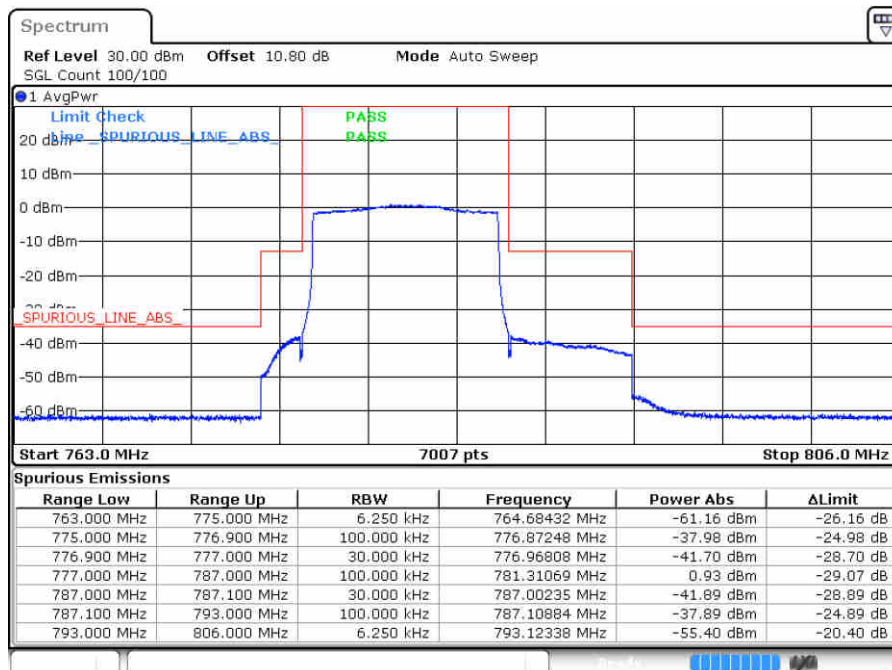
Date: 2.OCT.2017 08:55:14

## Highest Band Edge / 1 RB



Date: 2.OCT.2017 09:04:42

## Band Edge / Full RB



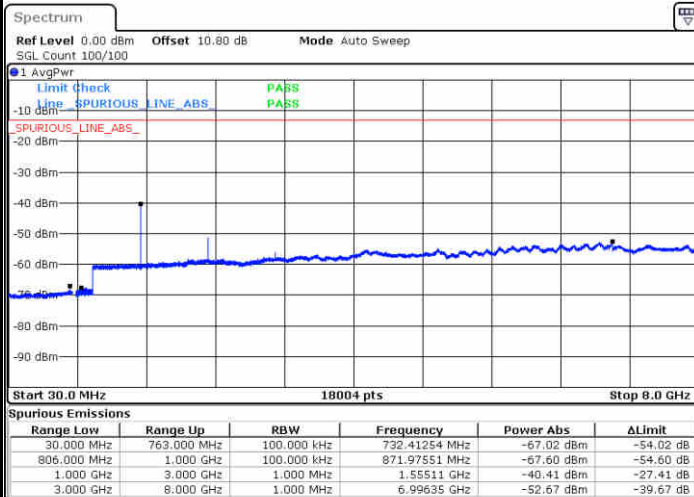
Date: 2.OCT.2017 08:56:37



# Conducted Spurious Emission

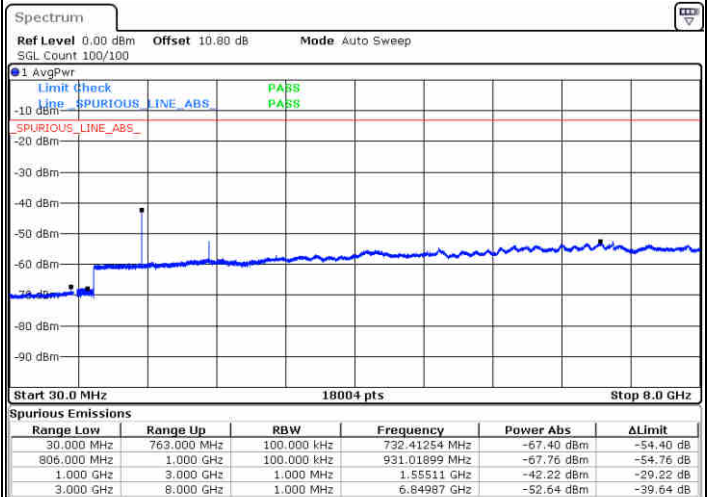
## LTE Band 13 / 5MHz

### Lowest Channel / QPSK



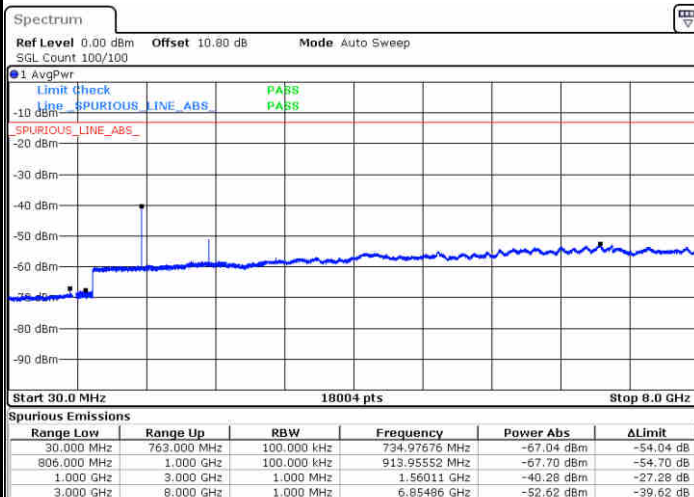
Date: 2.OCT.2017 04:29:17

### Lowest Channel / 16QAM



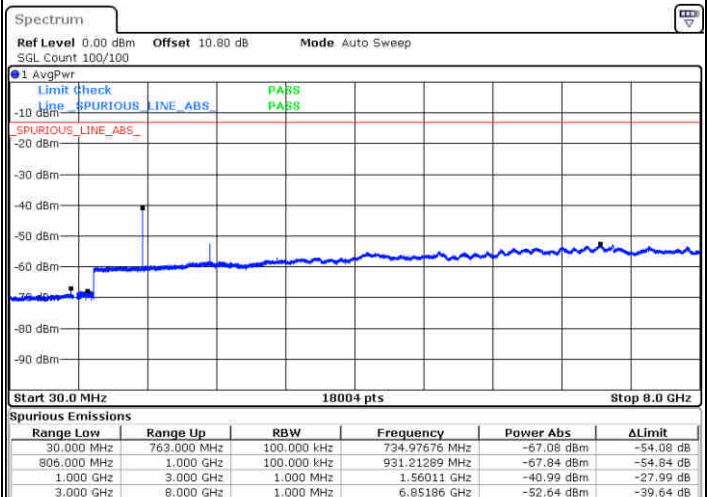
Date: 2.OCT.2017 04:30:10

### Middle Channel / QPSK



Date: 2.OCT.2017 04:31:57

### Middle Channel / 16QAM

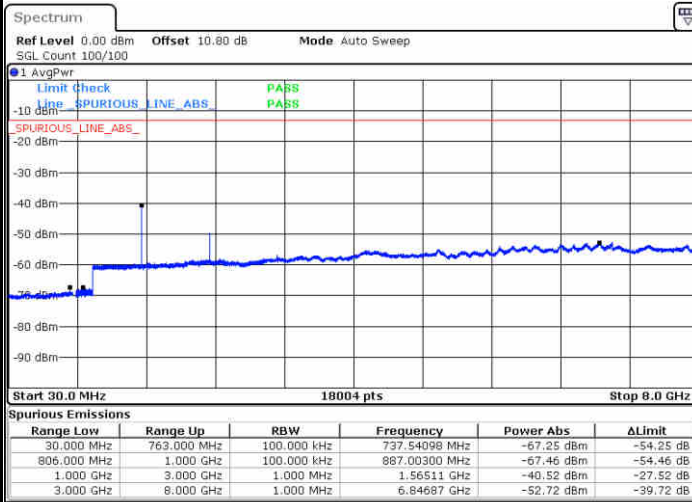


Date: 2.OCT.2017 04:31:04



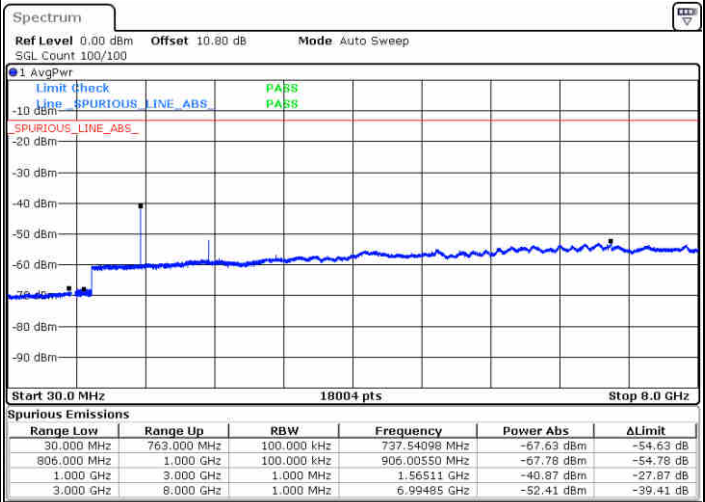
## LTE Band 13 / 5MHz

## Highest Channel / QPSK



Date: 2.OCT.2017 04:40:46

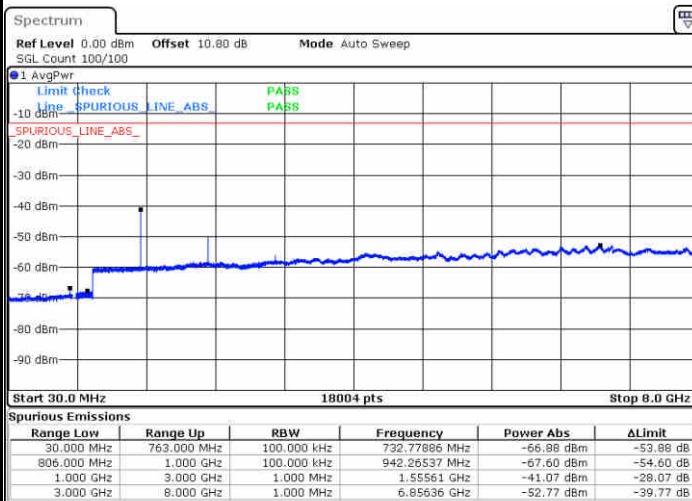
## Highest Channel / 16QAM



Date: 2.OCT.2017 04:41:40

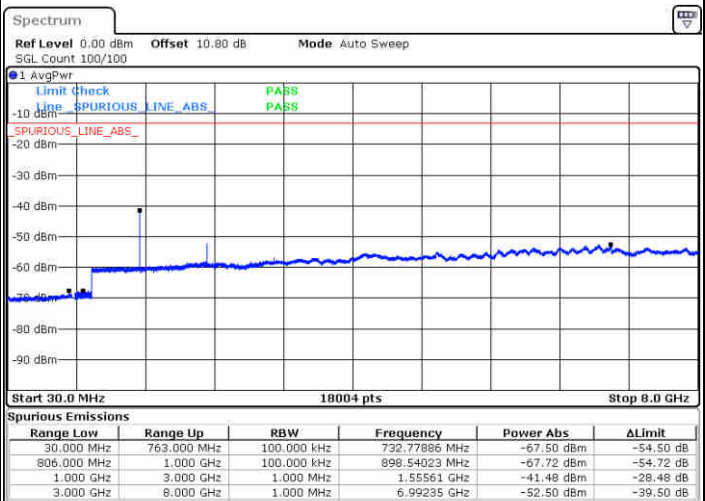
## LTE Band 13 / 10MHz

## Middle Channel / QPSK



Date: 2.OCT.2017 05:04:16

## Middle Channel / 16QAM

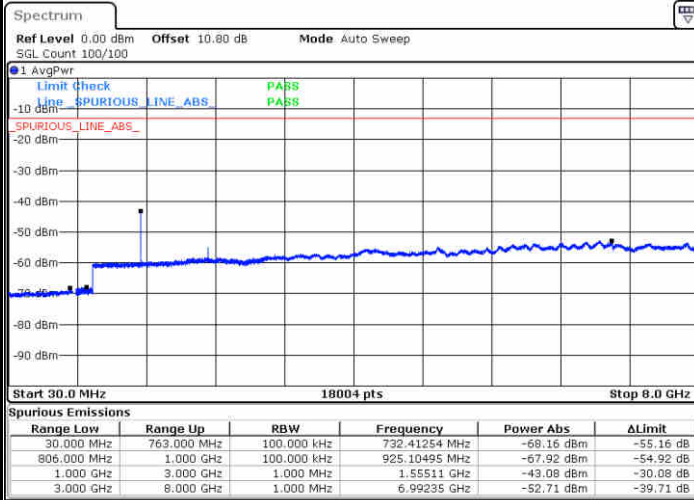


Date: 2.OCT.2017 05:03:22



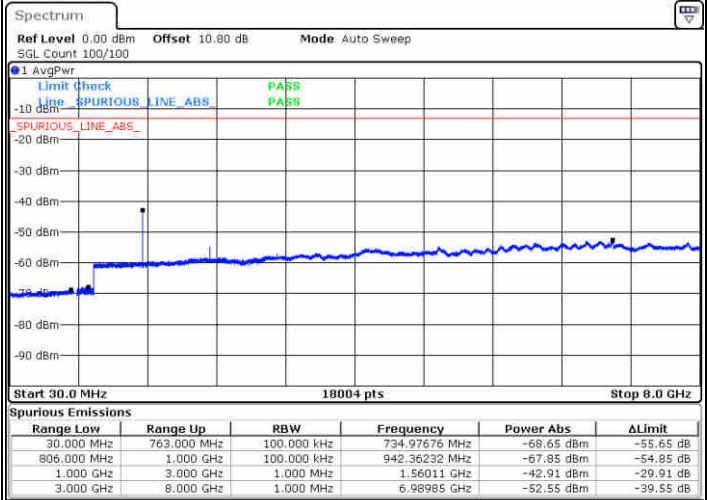
## LTE Band 13 / 5MHz

## Lowest Channel / 64QAM



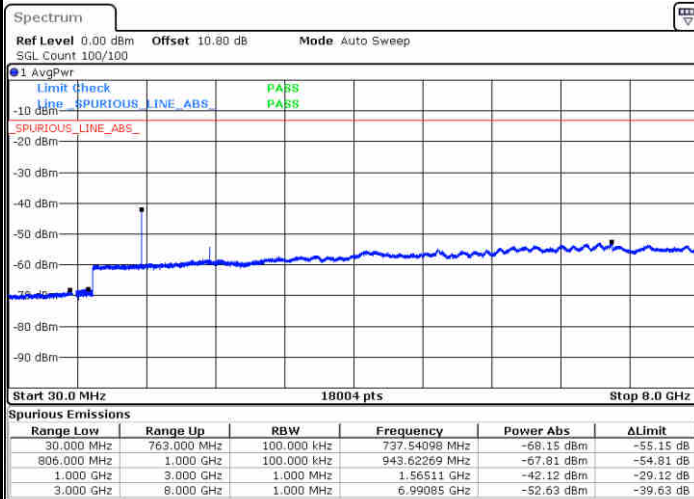
Date: 2.OCT.2017 04:46:11

## Middle Channel / 64QAM



Date: 2.OCT.2017 04:47:05

## Highest Channel / 64QAM

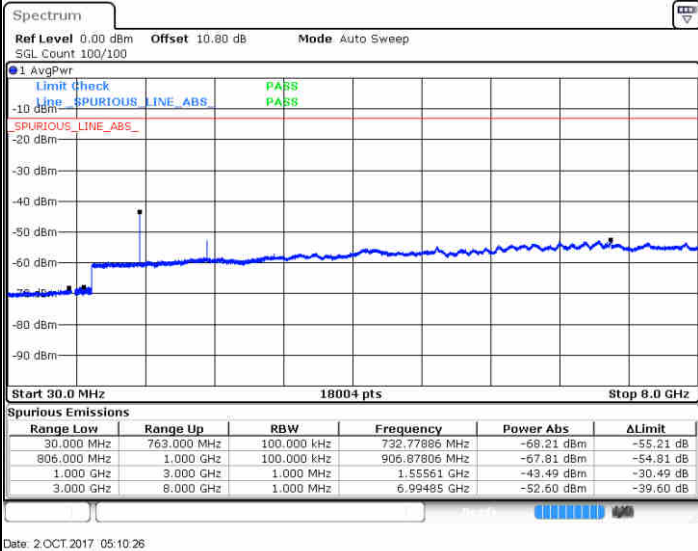


Date: 2.OCT.2017 04:51:56



LTE Band 13 / 10MHz

Middle Channel / 64QAM



## Frequency Stability

| Test Conditions  |                   | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0129                              | PASS    |
| 40               | Normal Voltage    | 0.0107                              |         |
| 30               | Normal Voltage    | 0.0127                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0009                              |         |
| 0                | Normal Voltage    | 0.0061                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0133                              |         |
| -30              | Normal Voltage    | 0.0136                              |         |
| 20               | Maximum Voltage   | 0.0110                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0003                              |         |

**Note:**

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions  |                   | LTE Band 13 (QPSK) / Middle Channel  | Limit       |
|------------------|-------------------|--------------------------------------|-------------|
| Temperature (°C) | Voltage (Volt)    | BW 5MHz                              | Within Band |
|                  |                   | Frequency Offset ( $\Delta f$ ) (Hz) | Result      |
| 50               | Normal Voltage    | -10.1                                | PASS        |
| 40               | Normal Voltage    | -8.4                                 |             |
| 30               | Normal Voltage    | -9.9                                 |             |
| 20(Ref.)         | Normal Voltage    | 0                                    |             |
| 10               | Normal Voltage    | 0.7                                  |             |
| 0                | Normal Voltage    | 0                                    |             |
| -10              | Normal Voltage    | -0.9                                 |             |
| -20              | Normal Voltage    | -10.4                                |             |
| -30              | Normal Voltage    | -10.6                                |             |
| 20               | Maximum Voltage   | -8.6                                 |             |
| 20               | Normal Voltage    | 0                                    |             |
| 20               | Battery End Point | 0.2                                  |             |

$|\text{MAX}(\Delta f)| = 10.6\text{Hz}$

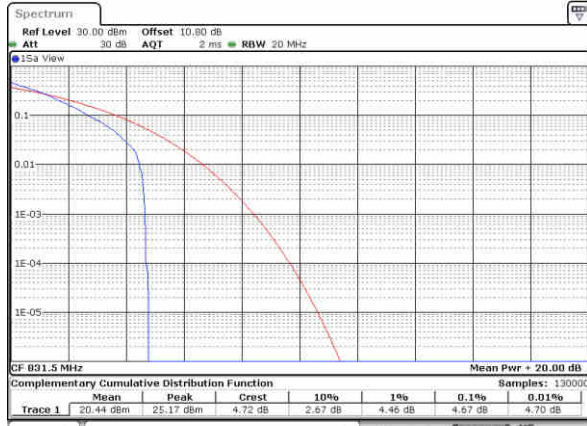
| Frequency Stability            | Frequency (MHz) | Limit Line             | Result |
|--------------------------------|-----------------|------------------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 777.158989      | $\geq 777 \text{ MHz}$ | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 786.850011      | $\leq 787 \text{ MHz}$ |        |



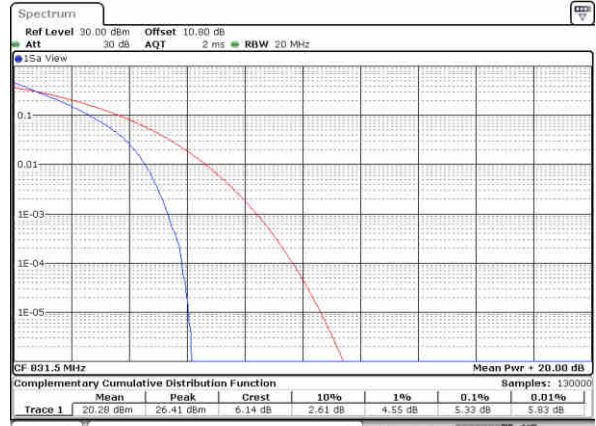
## LTE Band 26\_Part 22H

## Peak-to-Average Ratio

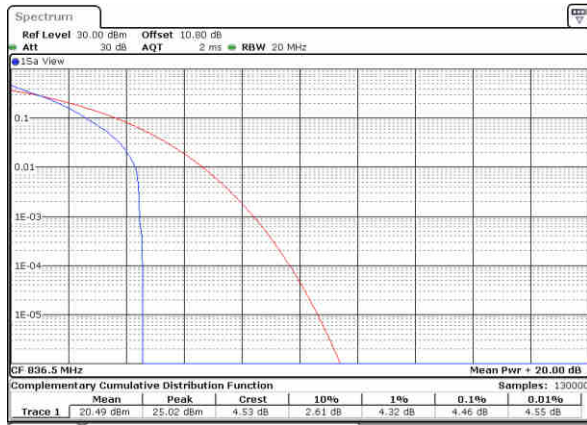
| Mode       | LTE Band 26 / 15MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.67                | 5.33    | 5.68  | 6.12    | PASS        |
| Middle CH  | 4.46                | 5.33    | 5.16  | 6.14    |             |
| Highest CH | 4.64                | 5.13    | 5.39  | 6.03    |             |
| Mode       | LTE Band 26 / 15MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.26                | 6.72    | -     | -       | PASS        |
| Middle CH  | 6.32                | 6.61    | -     | -       |             |
| Highest CH | 6.52                | 6.49    | -     | -       |             |

**LTE Band 26 / 15MHz / QPSK**
**Lowest Channel / 1RB**


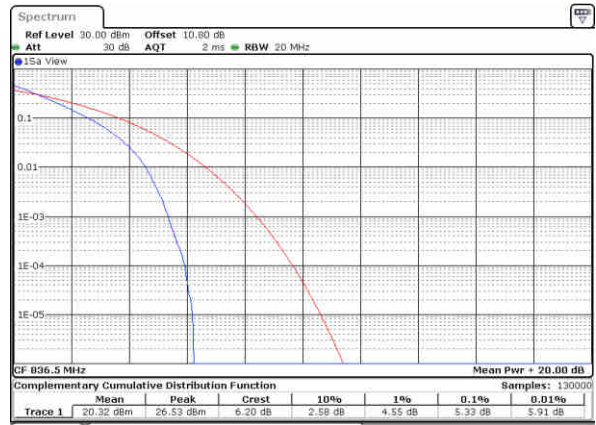
Date: 2.OCT.2017 10:42:21

**Lowest Channel / Full RB**


Date: 2.OCT.2017 10:41:46

**Middle Channel / 1RB**


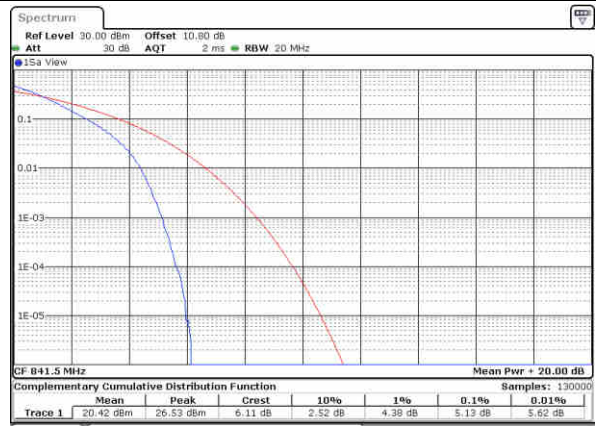
Date: 2.OCT.2017 10:42:31

**Middle Channel / Full RB**


Date: 2.OCT.2017 10:43:56

**Highest Channel / 1RB**


Date: 2.OCT.2017 10:44:59

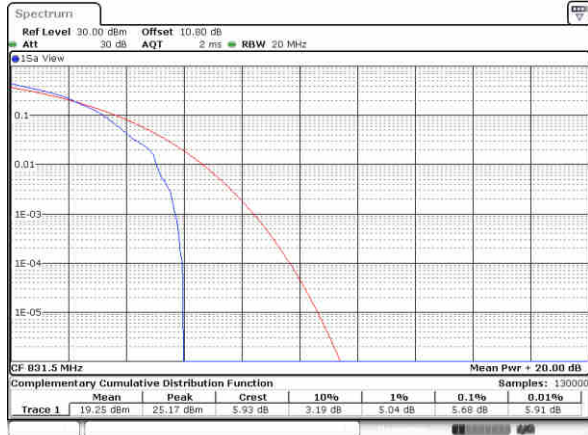
**Highest Channel / Full RB**


Date: 2.OCT.2017 10:44:57

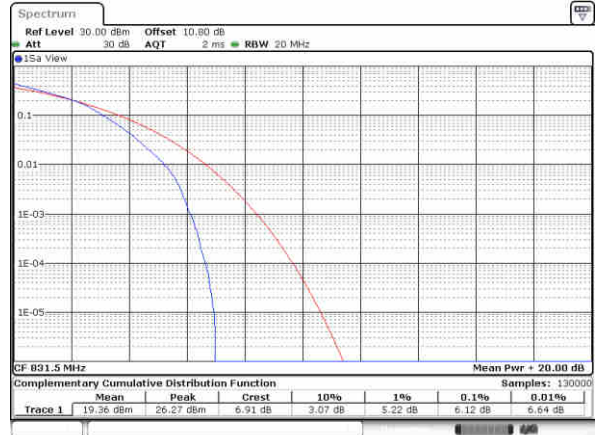


## LTE Band 26 / 15MHz / 16QAM

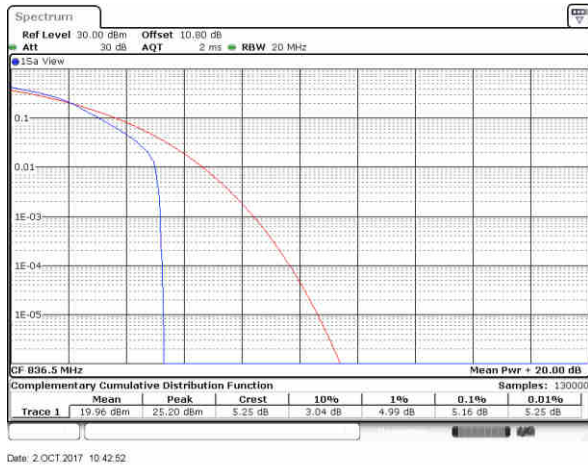
## Lowest Channel / 1RB



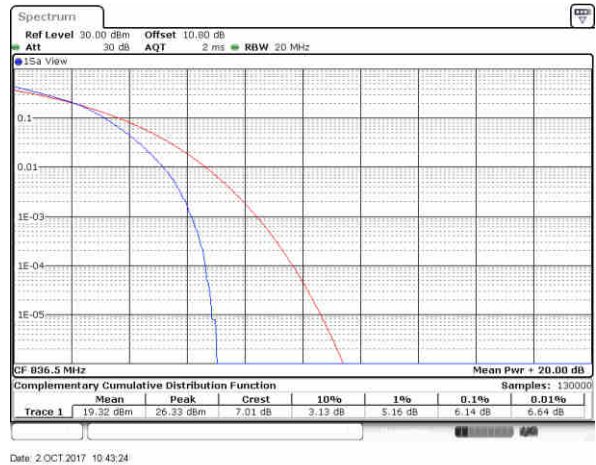
## Lowest Channel / Full RB



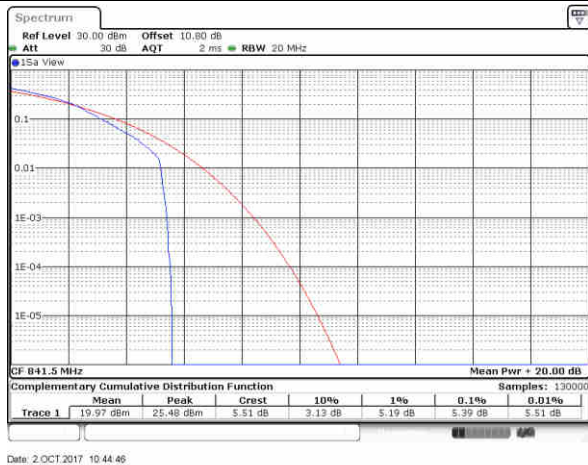
## Middle Channel / 1RB



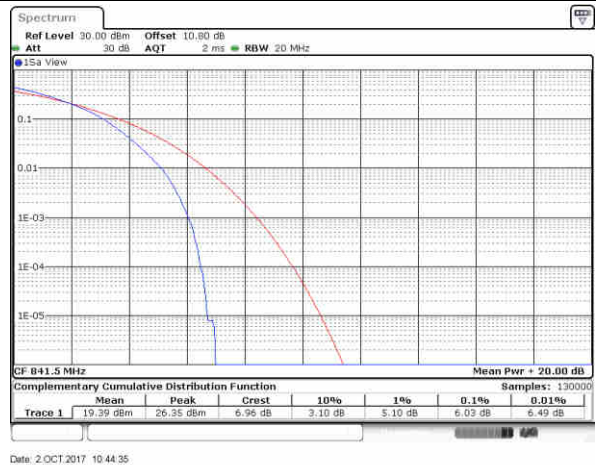
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





## LTE Band 26 / 15MHz / 64QAM

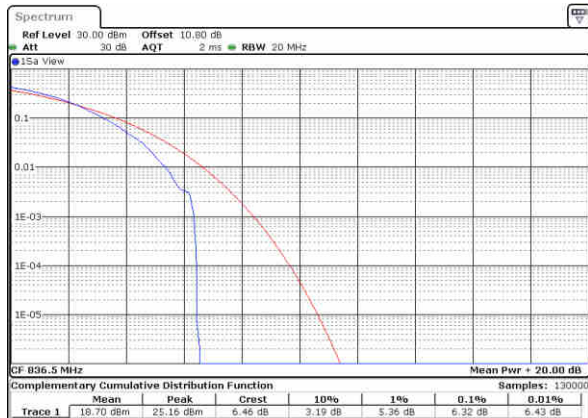
## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



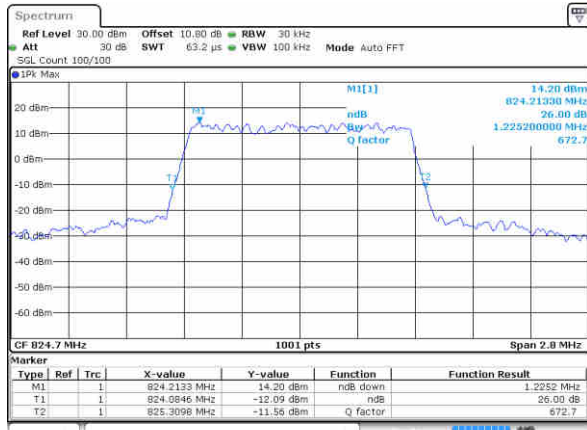
**26dB Bandwidth**

| Mode       | LTE Band 26 : 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  | 1.23                       | 1.23  | 3.00  | 2.99  | 4.95  | 4.84  | 9.71  | 9.69  | 14.24 | 14.33 | -     | -     |
| Middle CH  | 1.23                       | 1.23  | 3.00  | 3.00  | 4.90  | 4.88  | 9.75  | 9.75  | 14.39 | 14.42 | -     | -     |
| Highest CH | 1.23                       | 1.22  | 3.01  | 3.03  | 4.86  | 4.88  | 9.69  | 9.87  | 14.24 | 14.36 | -     | -     |
| Mode       | LTE Band 26 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.22                       | -     | 3.02  | -     | 4.93  | -     | 9.69  | -     | 14.39 | -     | -     | -     |
| Middle CH  | 1.21                       | -     | 3.01  | -     | 4.91  | -     | 9.97  | -     | 14.36 | -     | -     | -     |
| Highest CH | 1.23                       | -     | 3.04  | -     | 4.87  | -     | 9.75  | -     | 14.39 | -     | -     | -     |

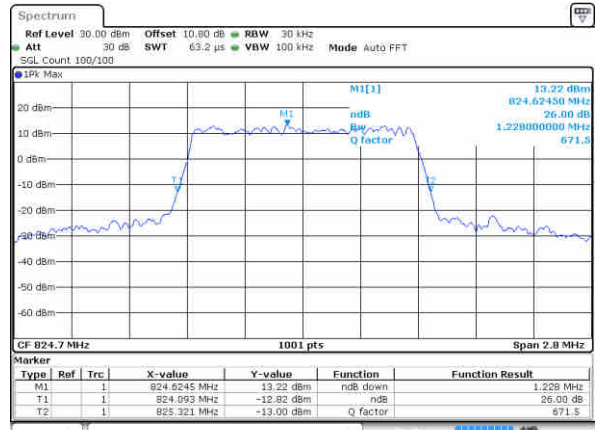


## LTE Band 26

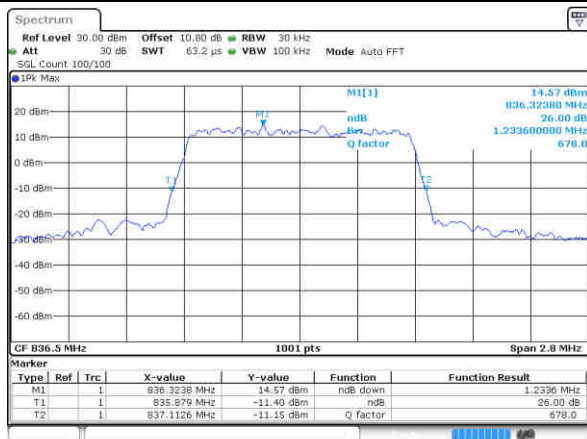
## Lowest Channel / 1.4MHz / QPSK



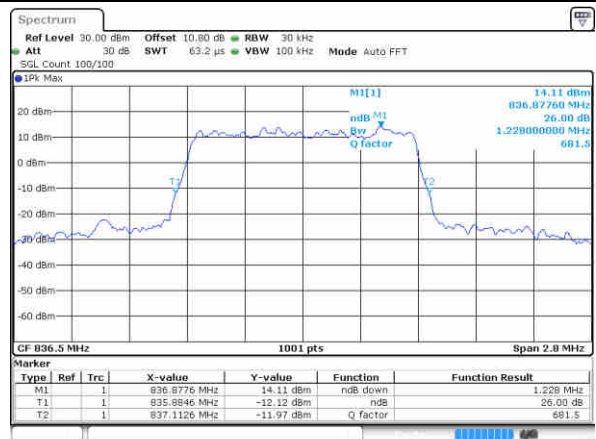
## Lowest Channel / 1.4MHz / 16QAM



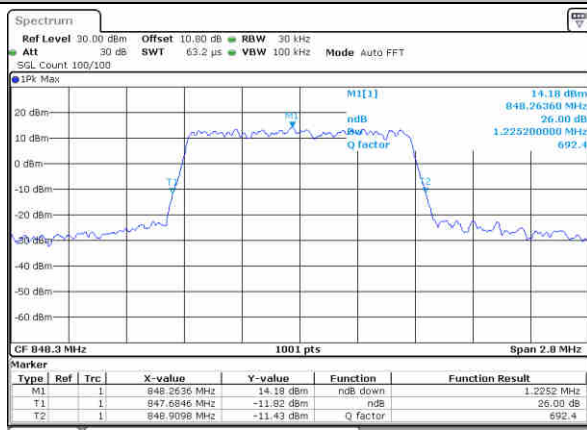
## Middle Channel / 1.4MHz / QPSK



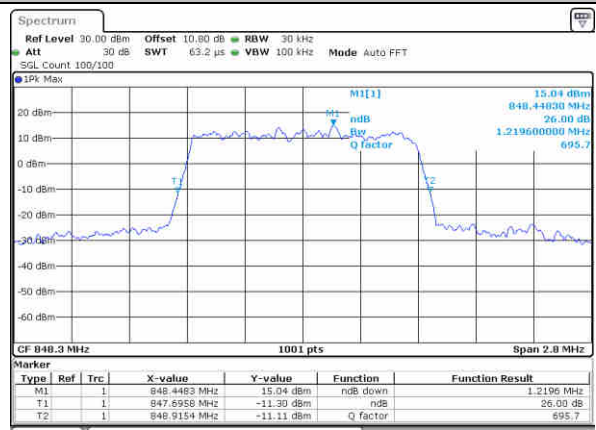
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



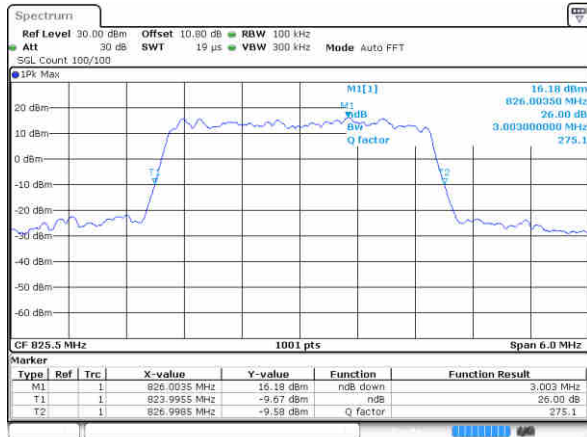
## Highest Channel / 1.4MHz / 16QAM



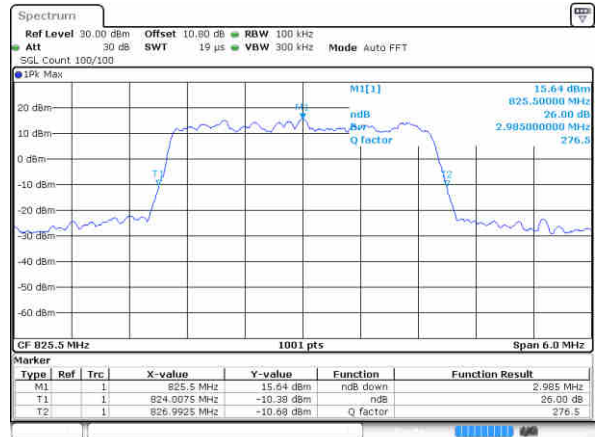


## LTE Band 26

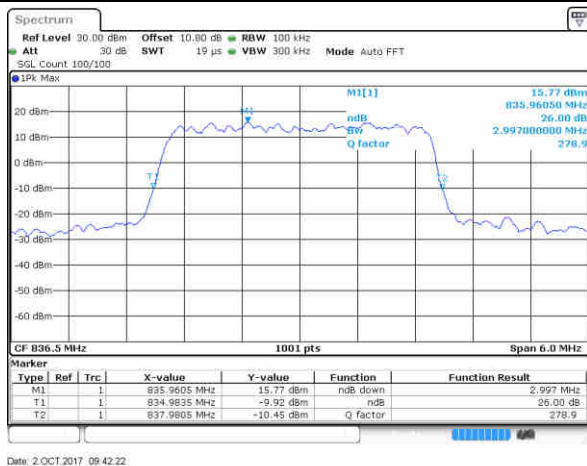
## Lowest Channel / 3MHz / QPSK



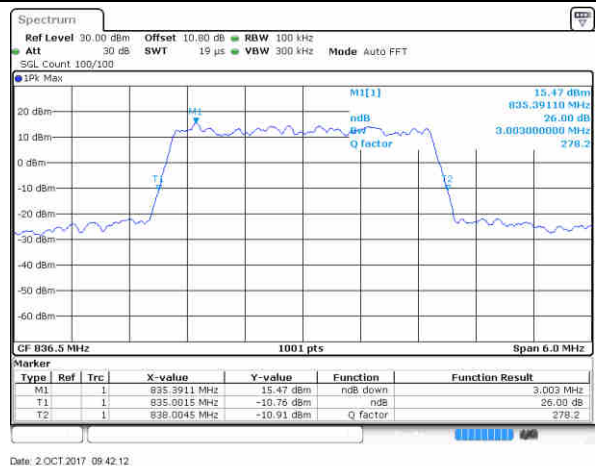
## Lowest Channel / 3MHz / 16QAM



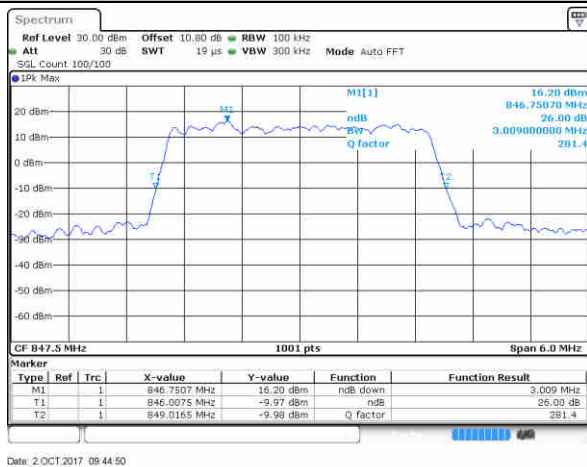
## Middle Channel / 3MHz / QPSK



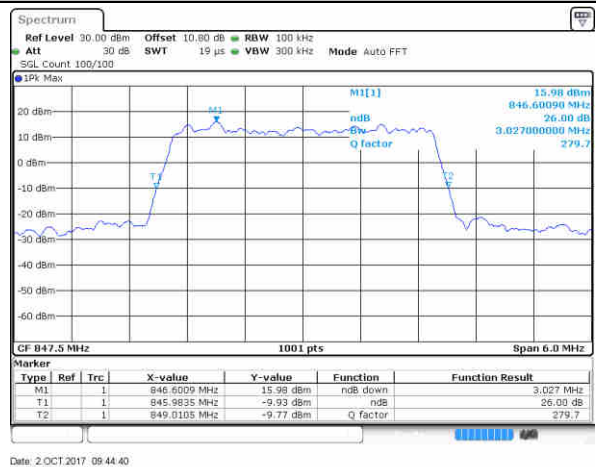
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



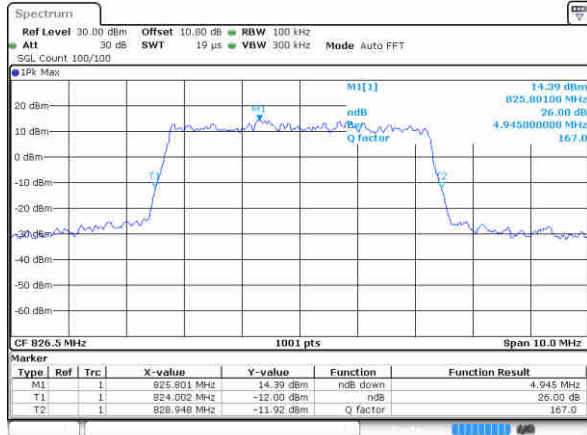
## Highest Channel / 3MHz / 16QAM





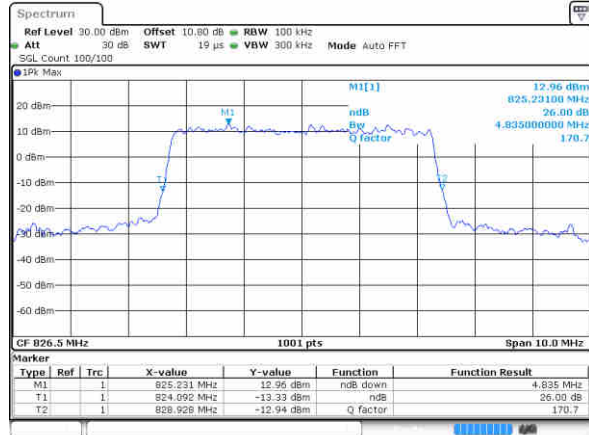
## LTE Band 26

## Lowest Channel / 5MHz / QPSK



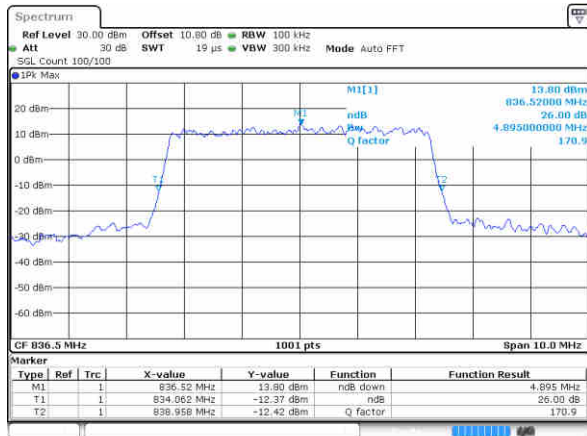
Date: 2.OCT.2017 09:51:52

## Lowest Channel / 5MHz / 16QAM



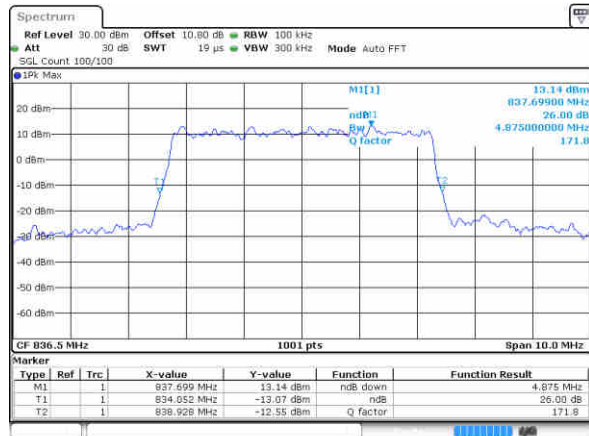
Date: 2.OCT.2017 09:51:42

## Middle Channel / 5MHz / QPSK



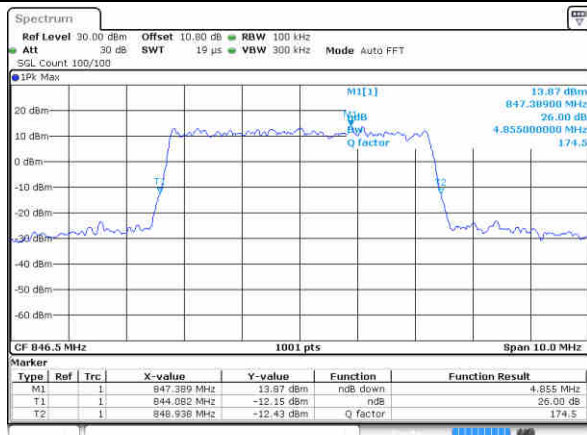
Date: 2.OCT.2017 09:58:55

## Middle Channel / 5MHz / 16QAM



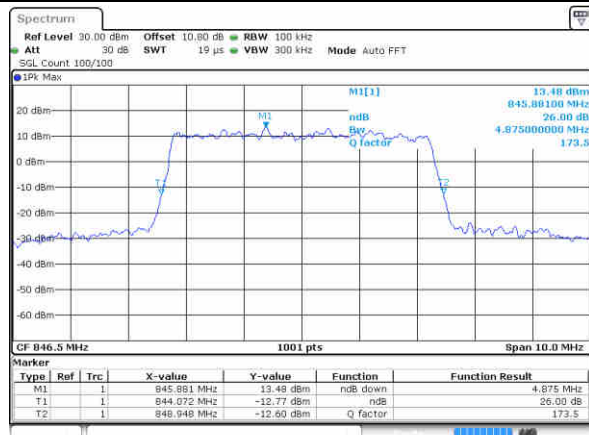
Date: 2.OCT.2017 09:58:45

## Highest Channel / 5MHz / QPSK



Date: 2.OCT.2017 10:01:23

## Highest Channel / 5MHz / 16QAM

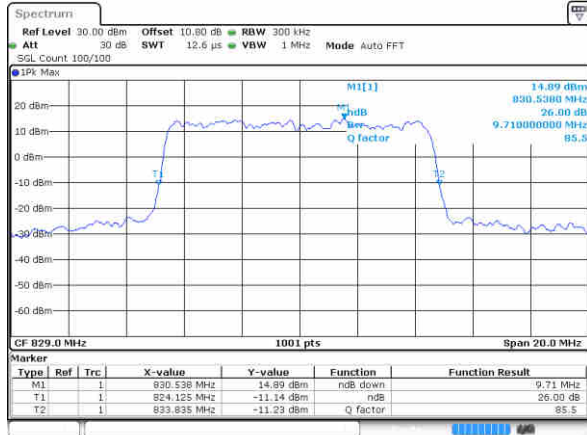


Date: 2.OCT.2017 10:01:13

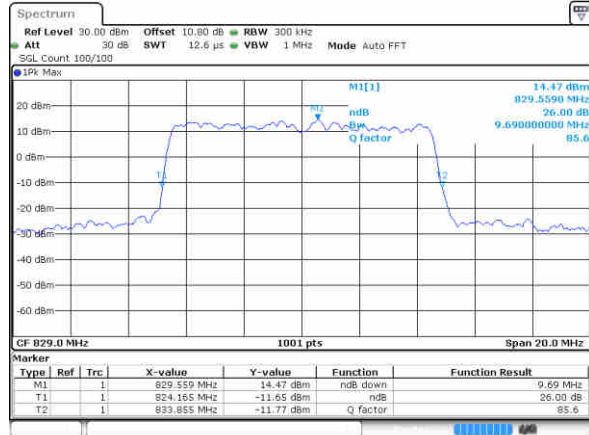


## LTE Band 26

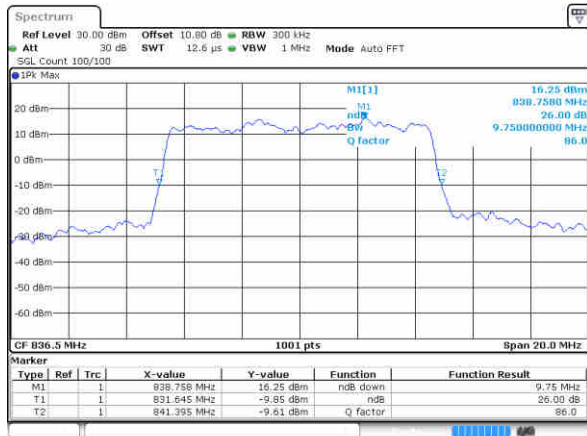
## Lowest Channel / 10MHz / QPSK



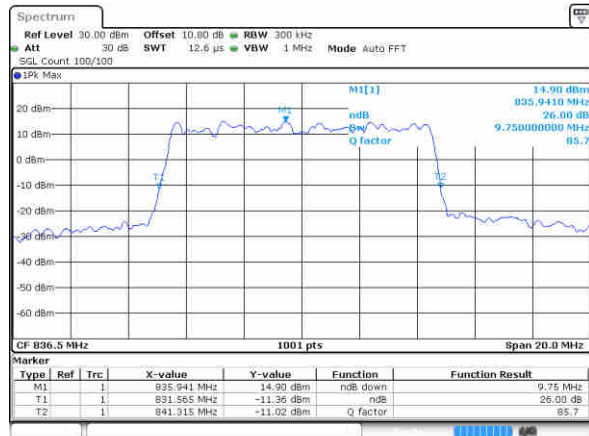
## Lowest Channel / 10MHz / 16QAM



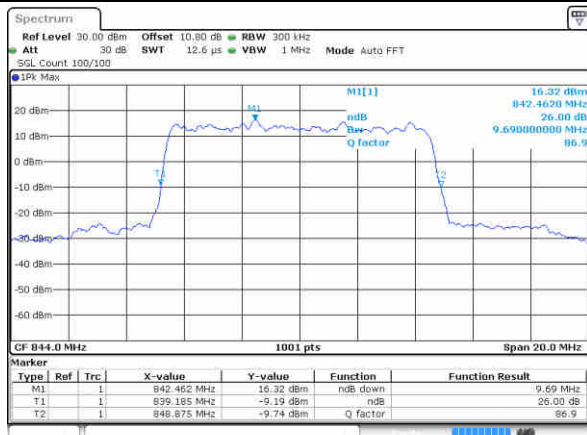
## Middle Channel / 10MHz / QPSK



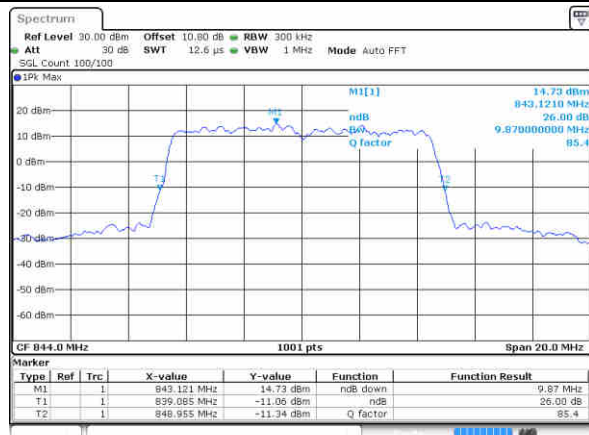
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



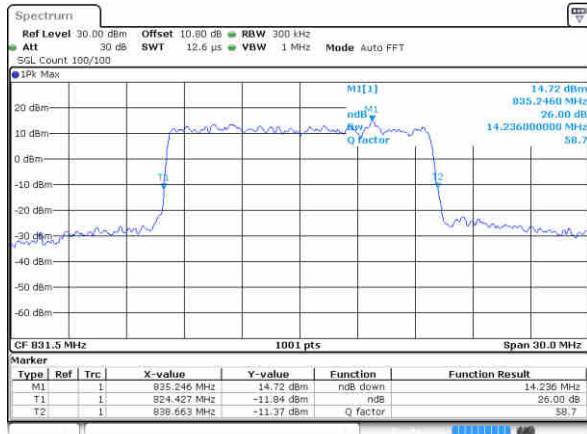
## Highest Channel / 10MHz / 16QAM



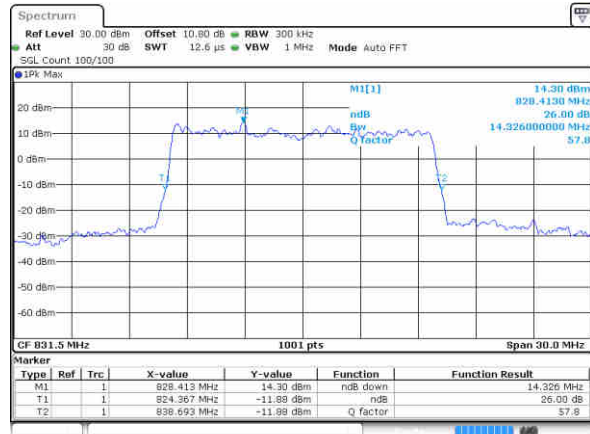


## LTE Band 26

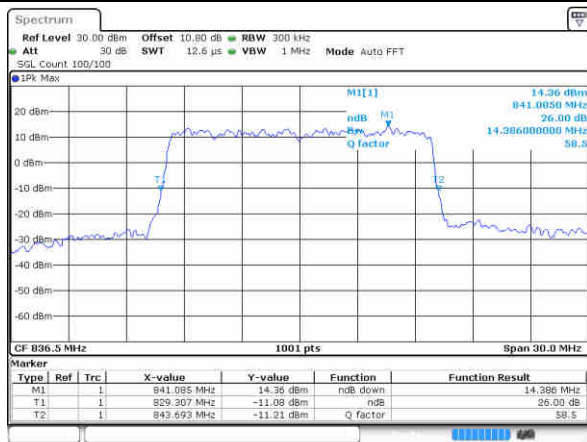
## Lowest Channel / 15MHz / QPSK



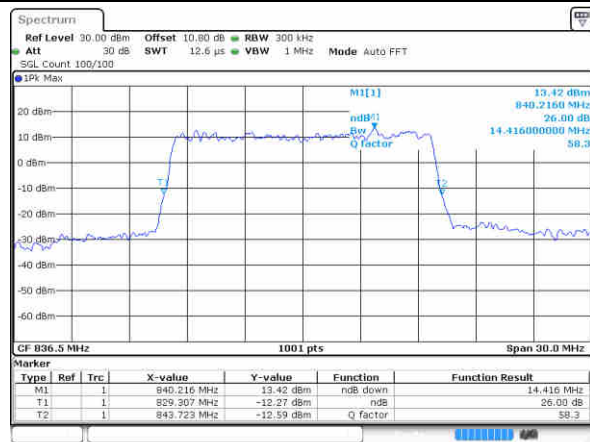
## Lowest Channel / 15MHz / 16QAM



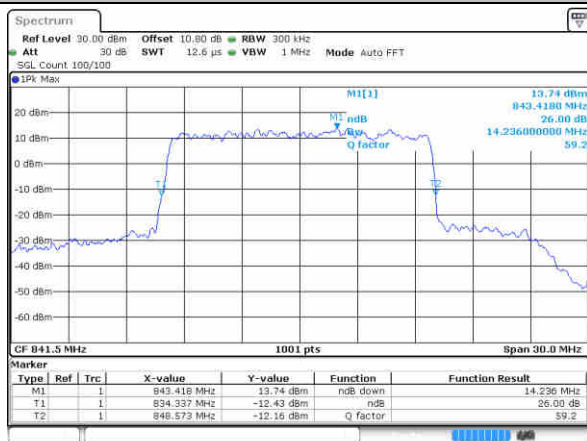
## Middle Channel / 15MHz / QPSK



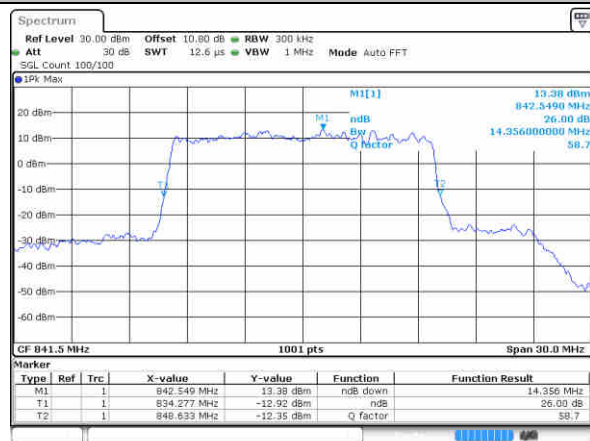
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



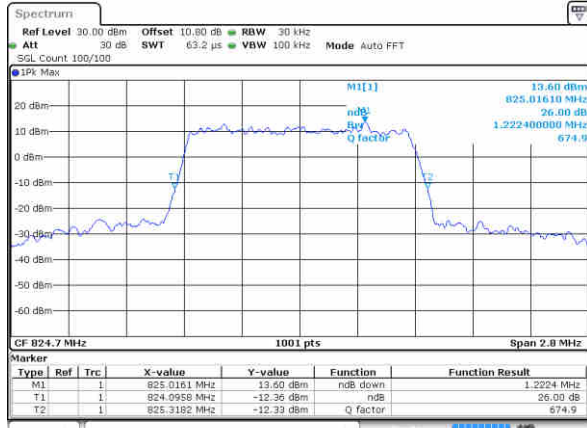
## Highest Channel / 15MHz / 16QAM





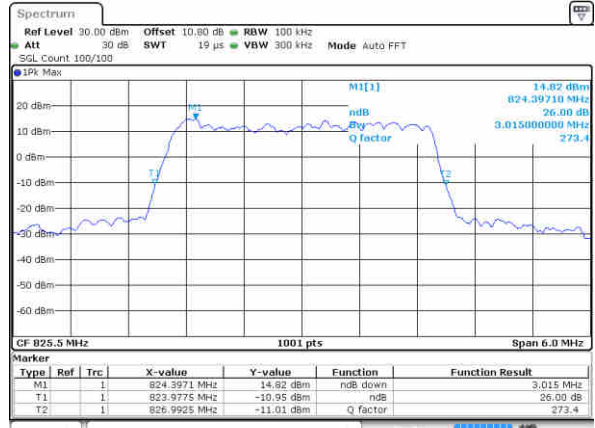
## LTE Band 26

## Lowest Channel / 1.4MHz / 64QAM



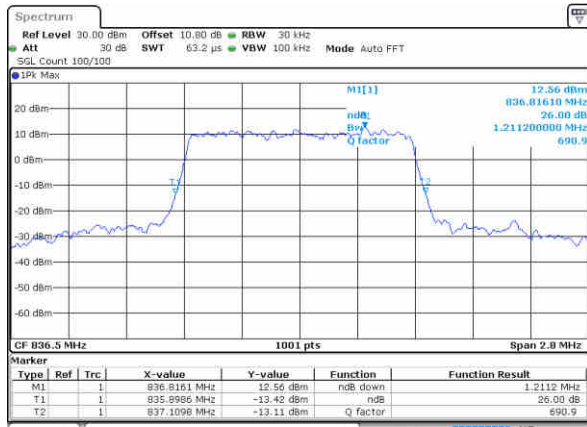
Date: 2.OCT.2017 14:55:29

## Lowest Channel / 3MHz / 64QAM



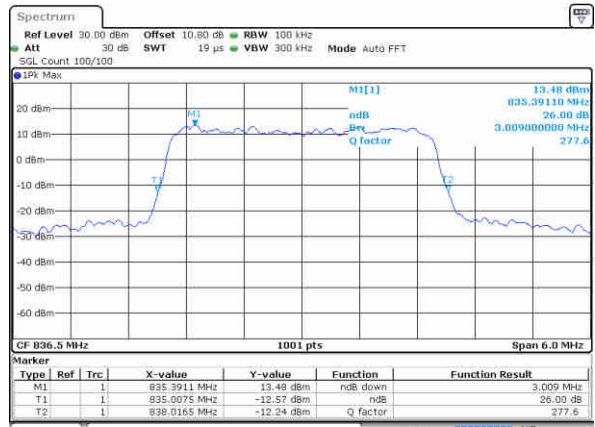
Date: 2.OCT.2017 11:22:22

## Middle Channel / 1.4MHz / 64QAM



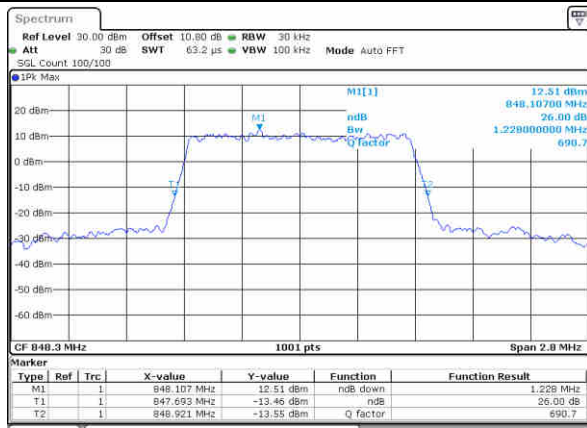
Date: 2.OCT.2017 11:15:54

## Middle Channel / 3MHz / 64QAM



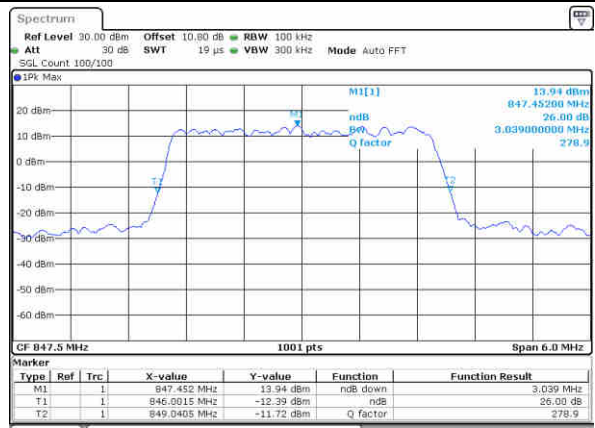
Date: 2.OCT.2017 11:25:53

## Highest Channel / 1.4MHz / 64QAM



Date: 2.OCT.2017 11:17:07

## Highest Channel / 3MHz / 64QAM

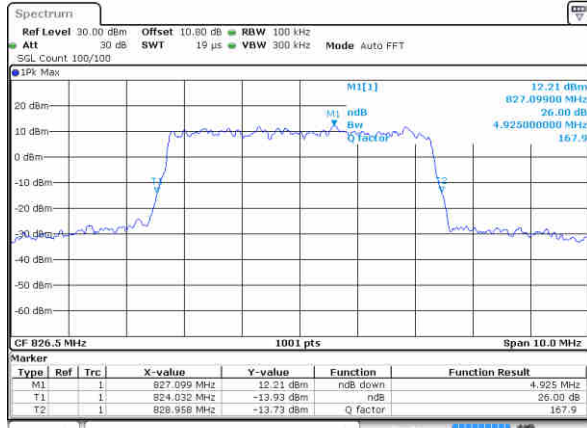


Date: 2.OCT.2017 11:27:07

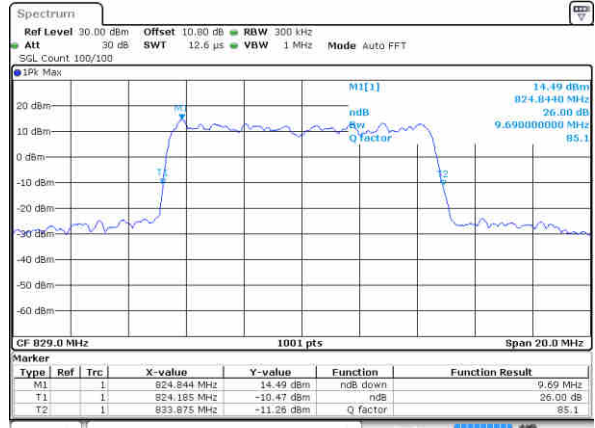


## LTE Band 26

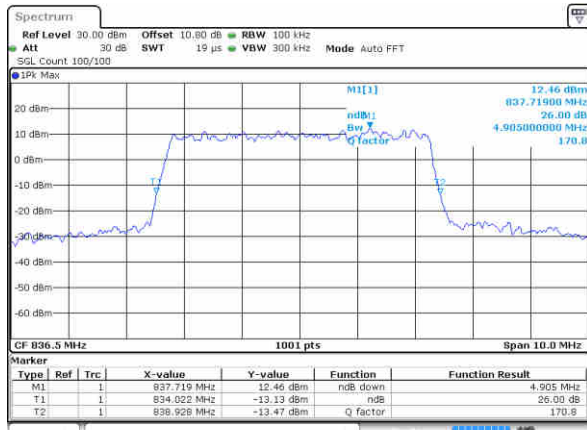
## Lowest Channel / 5MHz / 64QAM



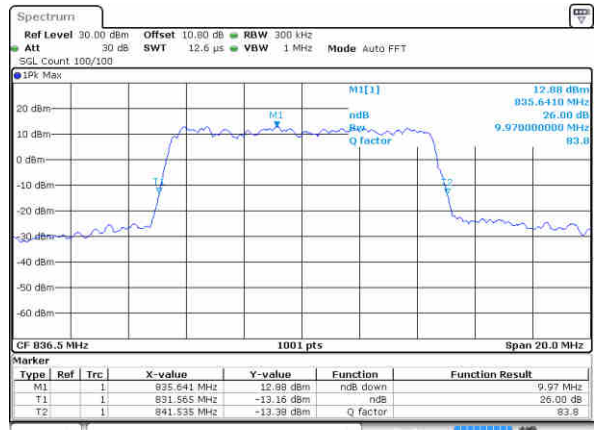
## Lowest Channel / 10MHz / 64QAM



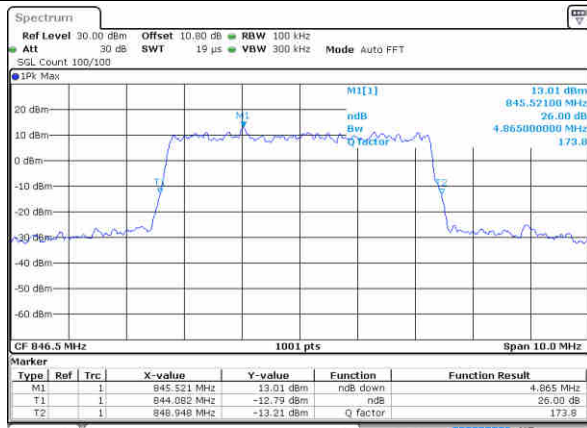
## Middle Channel / 5MHz / 64QAM



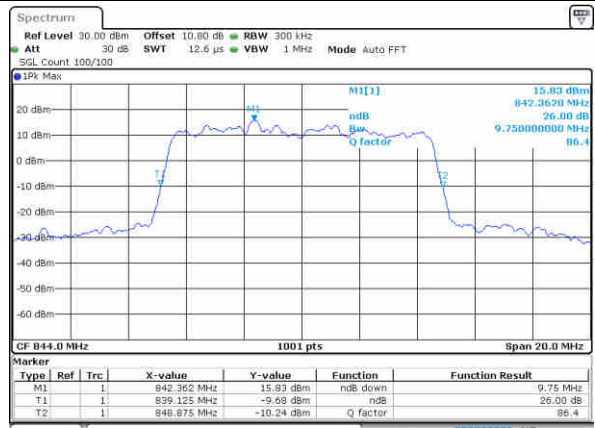
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



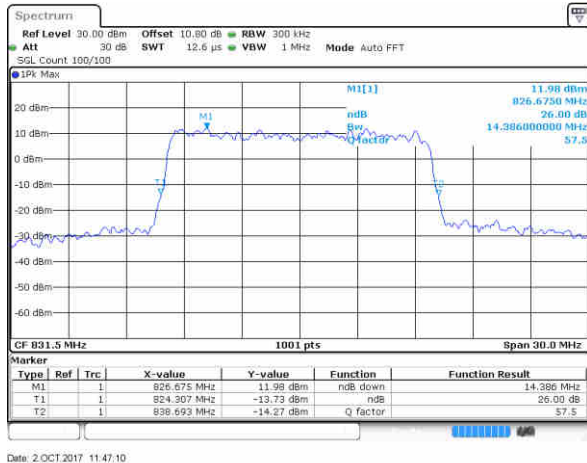
## Highest Channel / 10MHz / 64QAM



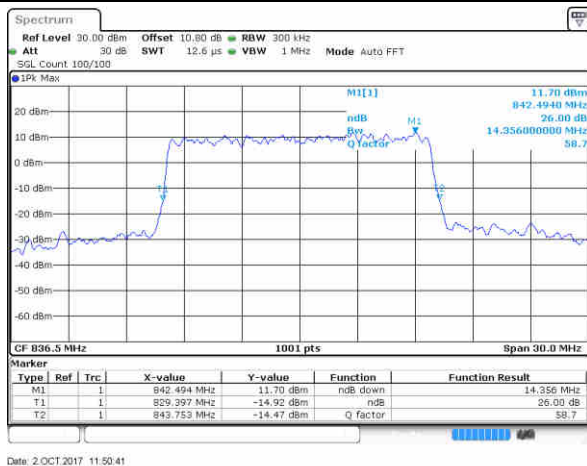


## LTE Band 26

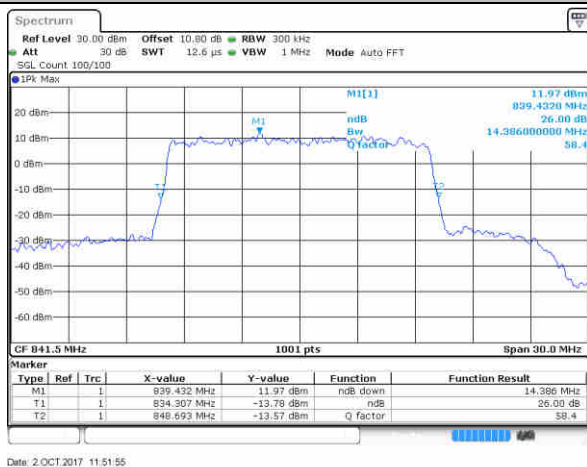
## Lowest Channel / 15MHz / 64QAM



## Middle Channel / 15MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



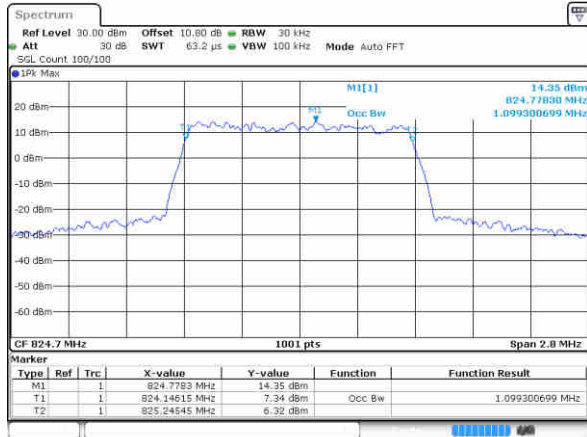
**Occupied Bandwidth**

| Mode       | LTE Band 26 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.1                       | 1.08  | 2.72  | 2.73  | 4.49  | 4.47  | 9.07  | 9.05  | 13.46 | 13.52 | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.71  | 2.72  | 4.49  | 4.49  | 9.05  | 8.99  | 13.4  | 13.4  | -     | -     |
| Highest CH | 1.09                      | 1.09  | 2.72  | 2.73  | 4.5   | 4.49  | 9.01  | 9.01  | 13.37 | 13.43 | -     | -     |
| Mode       | LTE Band 26 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.09                      | -     | 2.71  | -     | 4.5   | -     | 9.05  | -     | 13.52 | -     | -     | -     |
| Middle CH  | 1.1                       | -     | 2.72  | -     | 4.49  | -     | 9.03  | -     | 13.43 | -     | -     | -     |
| Highest CH | 1.09                      | -     | 2.7   | -     | 4.51  | -     | 9.03  | -     | 13.46 | -     | -     | -     |

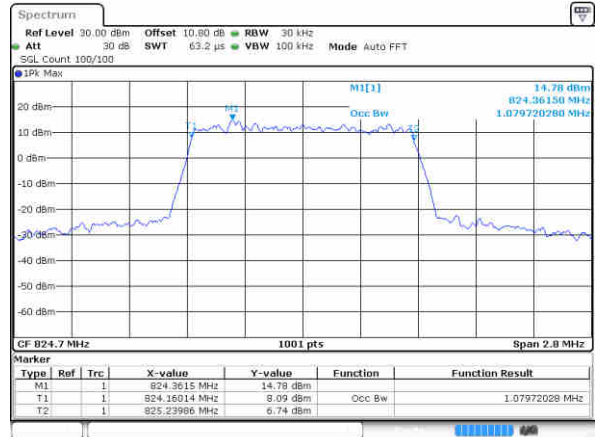


## LTE Band 26

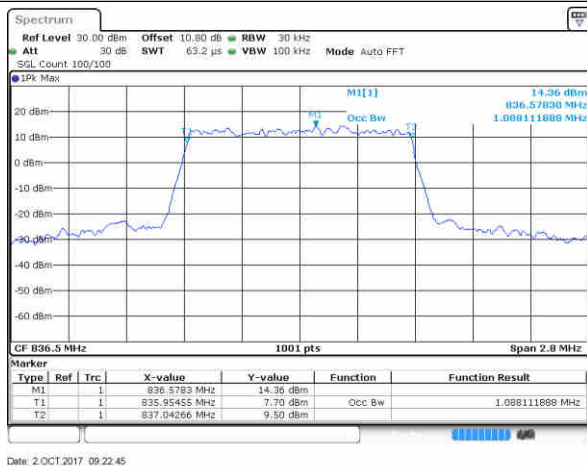
## Lowest Channel / 1.4MHz / QPSK



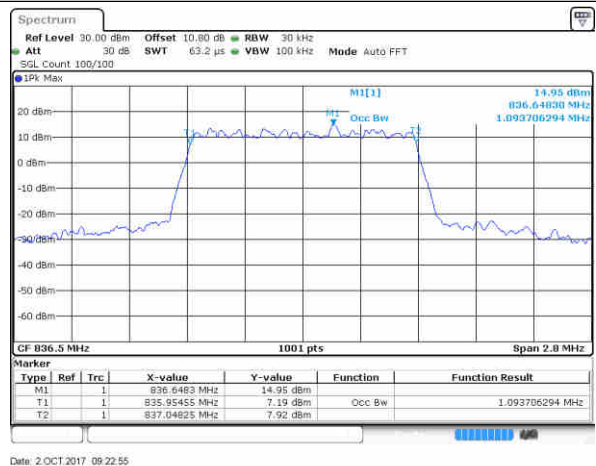
## Lowest Channel / 1.4MHz / 16QAM



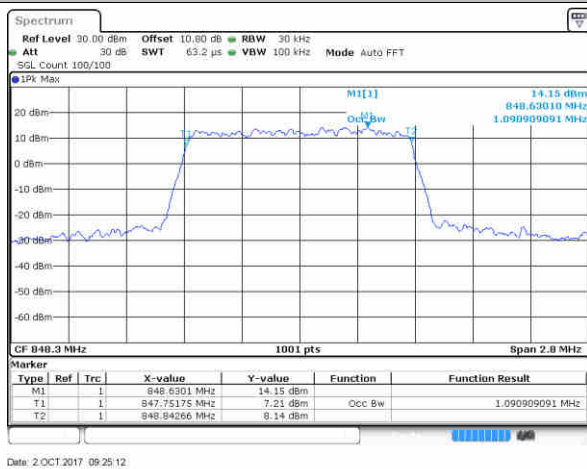
## Middle Channel / 1.4MHz / QPSK



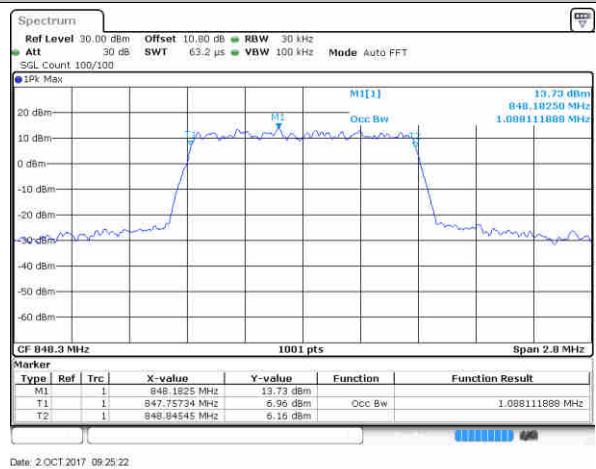
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



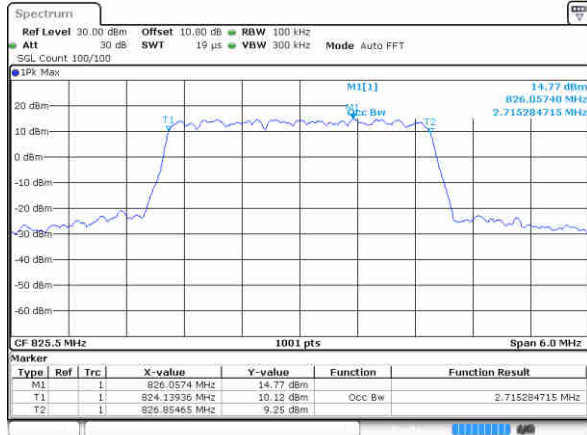
## Highest Channel / 1.4MHz / 16QAM



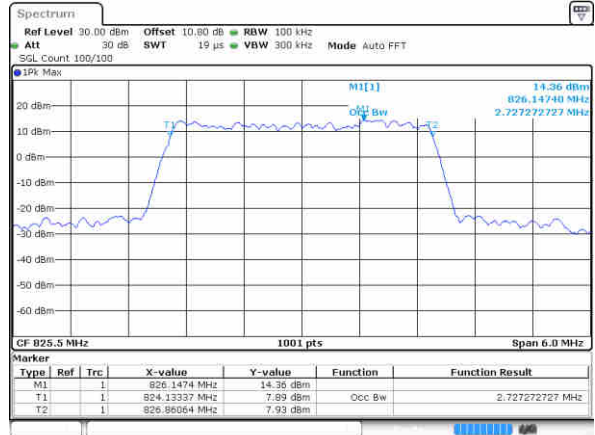


## LTE Band 26

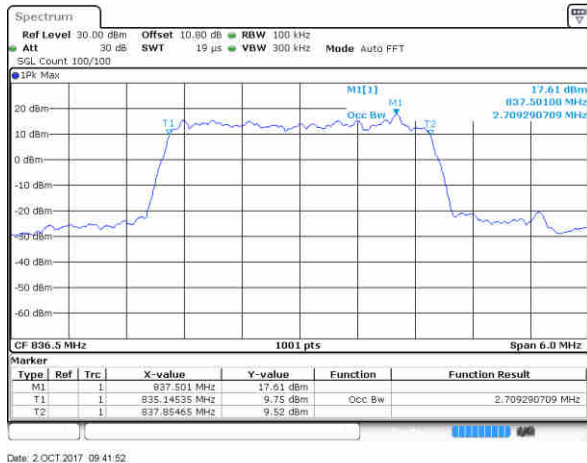
## Lowest Channel / 3MHz / QPSK



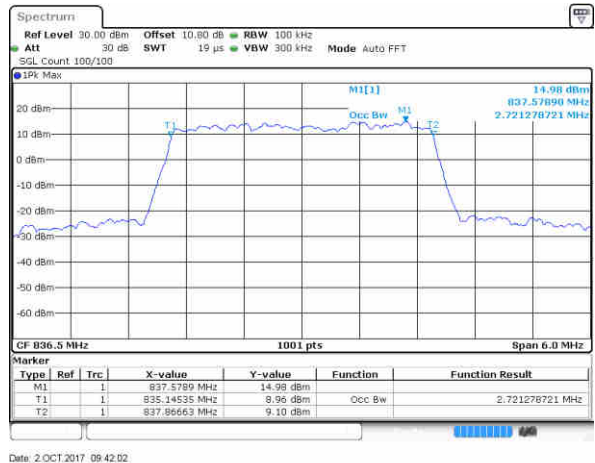
## Lowest Channel / 3MHz / 16QAM



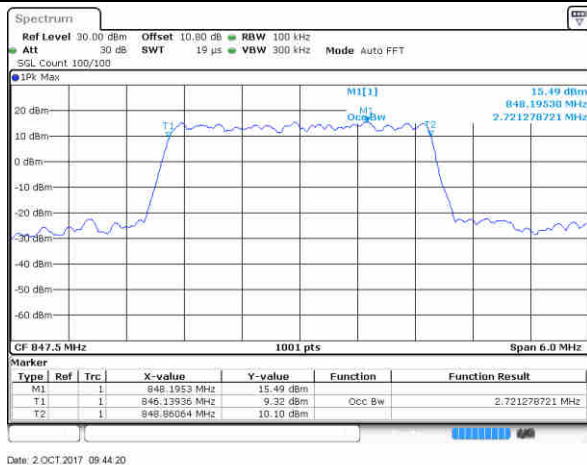
## Middle Channel / 3MHz / QPSK



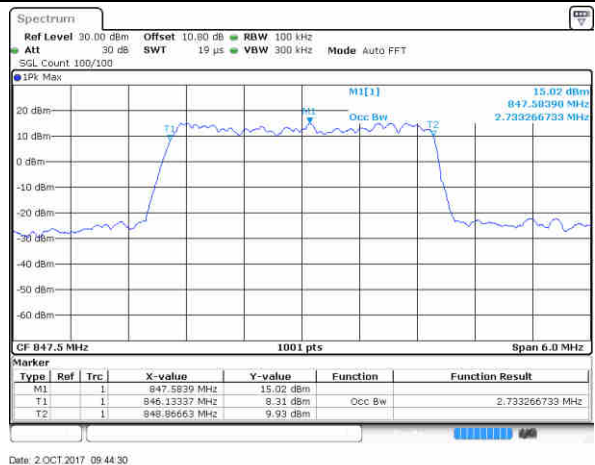
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



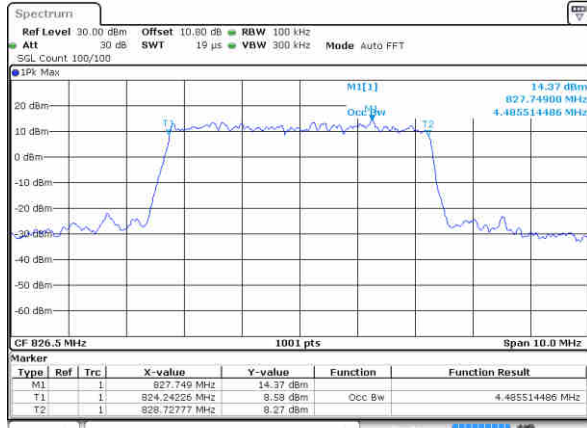
## Highest Channel / 3MHz / 16QAM



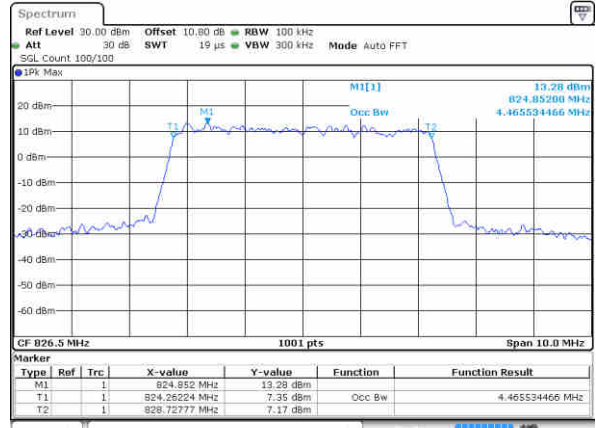


## LTE Band 26

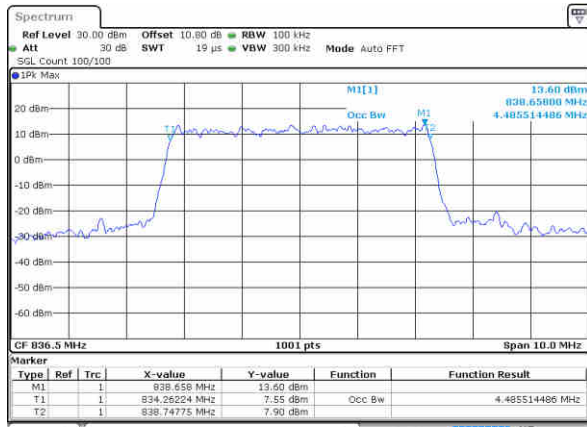
## Lowest Channel / 5MHz / QPSK



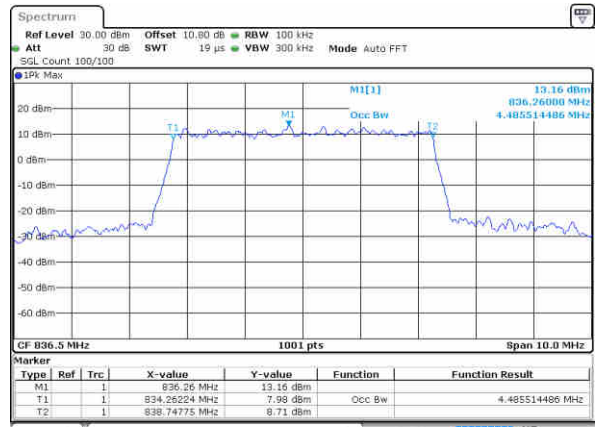
## Lowest Channel / 5MHz / 16QAM



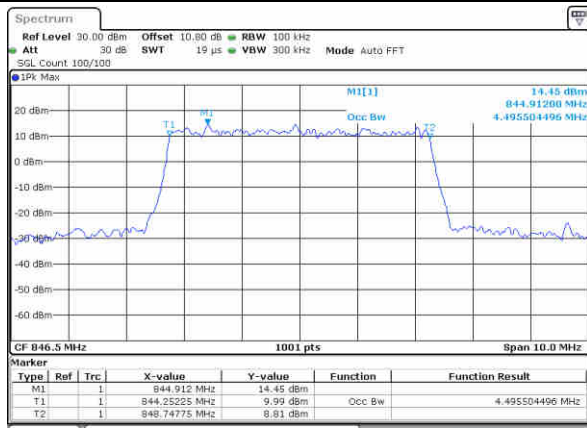
## Middle Channel / 5MHz / QPSK



## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



## Highest Channel / 5MHz / 16QAM

