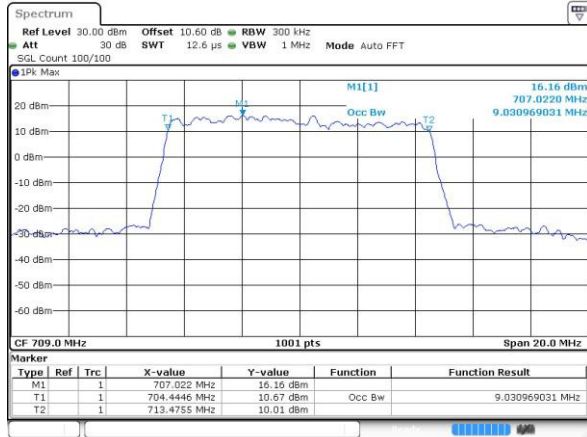




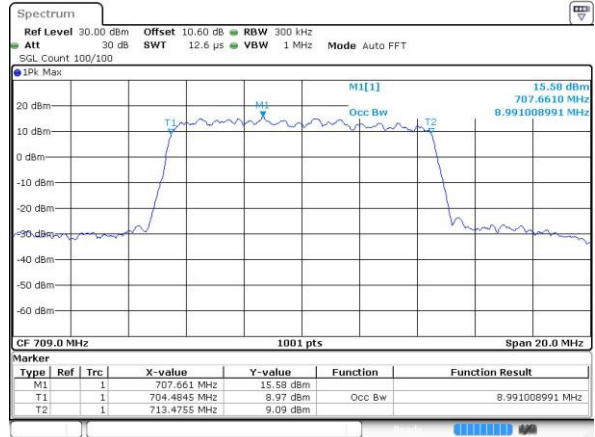
## LTE Band 17

## Lowest Channel / 10MHz / QPSK



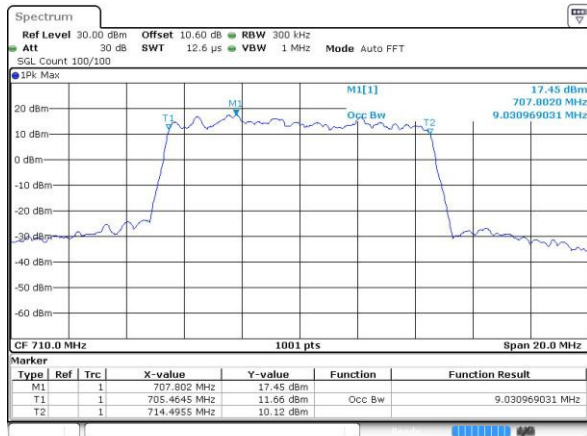
Date: 5 APR 2017 23:29:32

## Lowest Channel / 10MHz / 16QAM



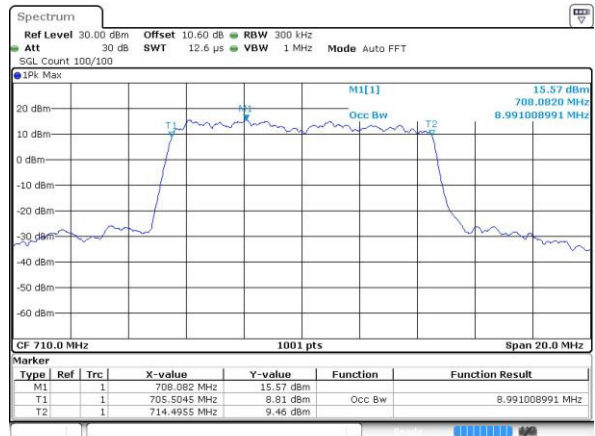
Date: 5 APR 2017 23:29:43

## Middle Channel / 10MHz / QPSK



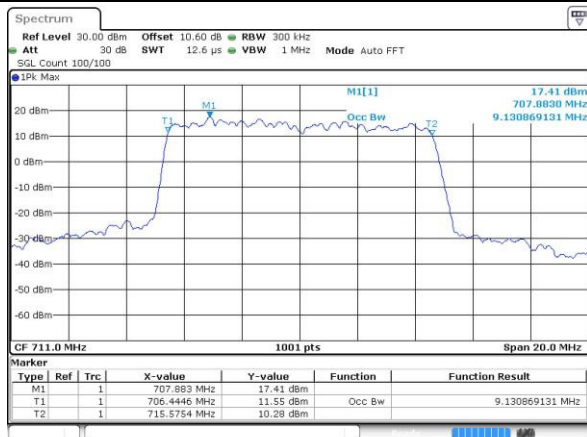
Date: 5 APR 2017 23:36:38

## Middle Channel / 10MHz / 16QAM



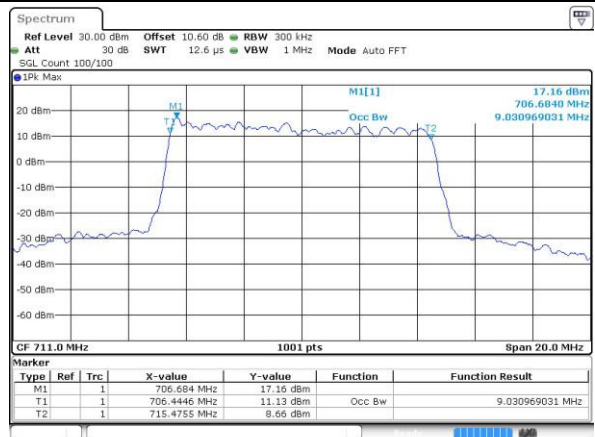
Date: 5 APR 2017 23:36:45

## Highest Channel / 10MHz / QPSK



Date: 5 APR 2017 23:39:08

## Highest Channel / 10MHz / 16QAM

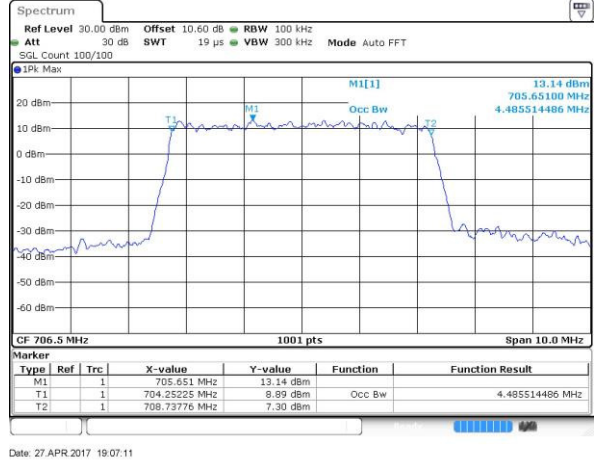


Date: 5 APR 2017 23:39:19

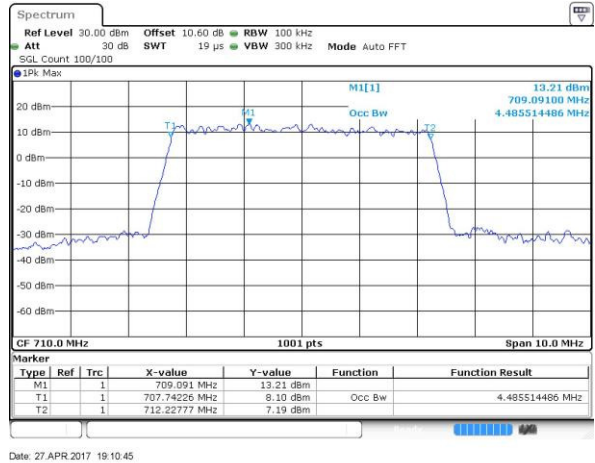


LTE Band 17

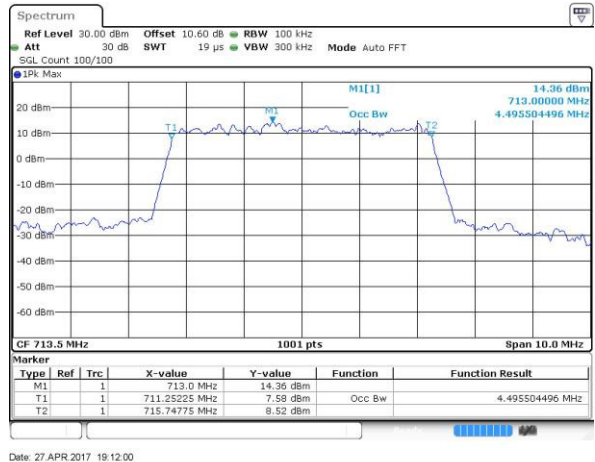
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



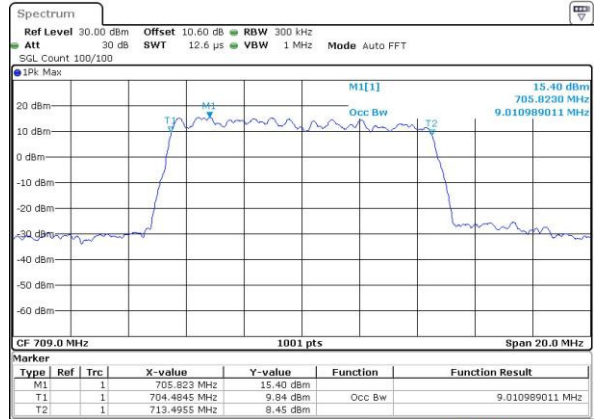
Highest Channel / 5MHz / 64QAM





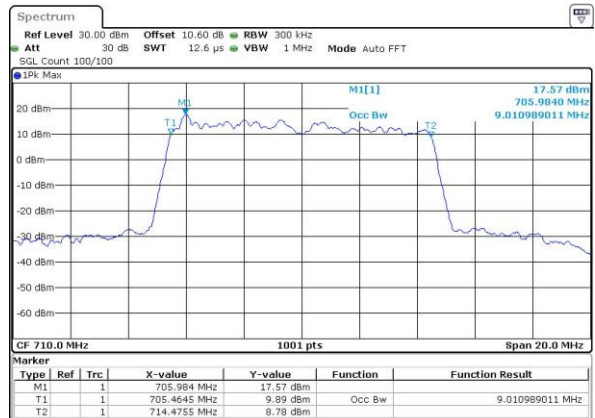
## LTE Band 17

## Lowest Channel / 10MHz / 64QAM



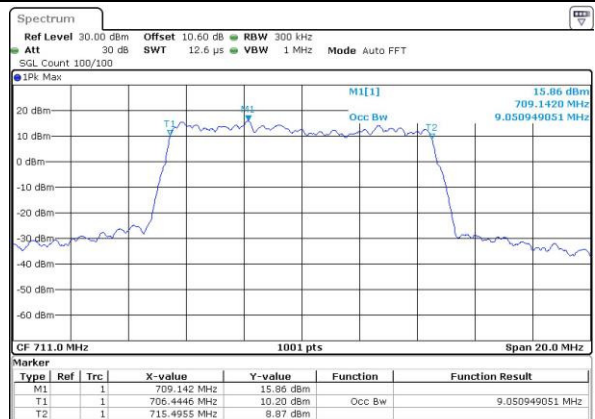
Date: 27 APR 2017 19:15:34

## Middle Channel / 10MHz / 64QAM



Date: 27 APR 2017 19:17:58

## Highest Channel / 10MHz / 64QAM



Date: 27 APR 2017 19:21:18

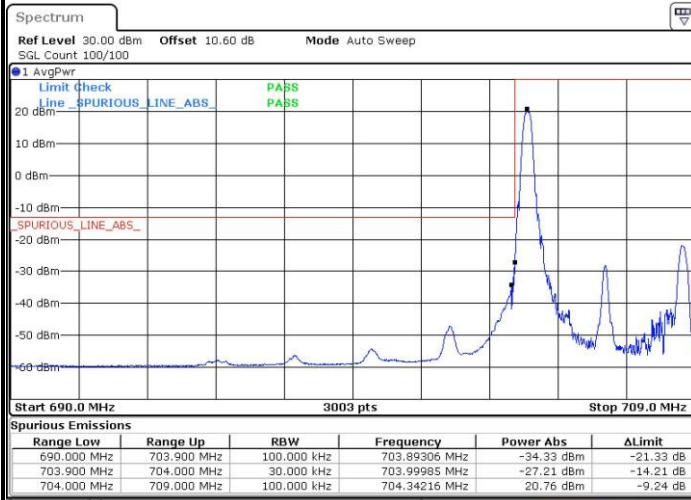


## **Conducted Band Edge**

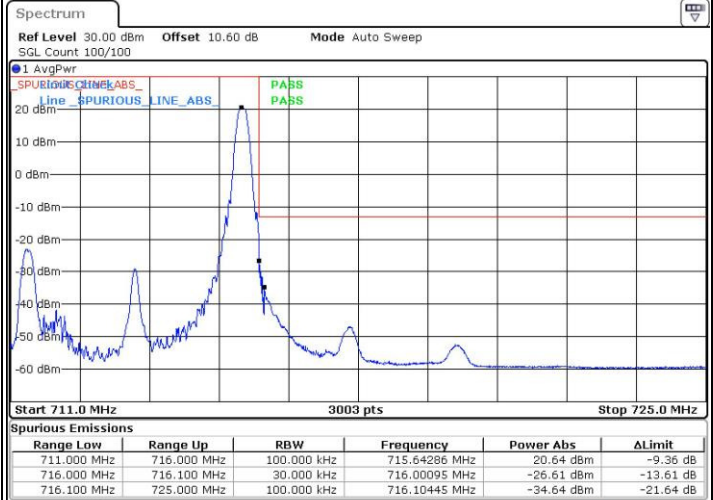


## LTE Band 17 / 5MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



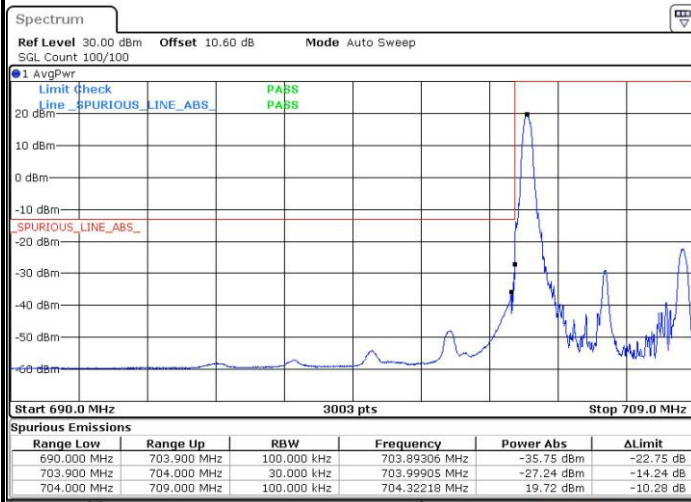
## Highest Band Edge / Full RB



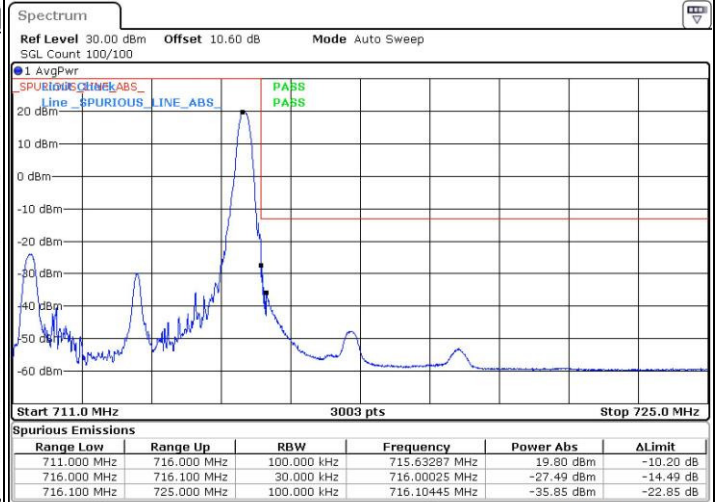


## LTE Band 17 / 5MHz / 16QAM

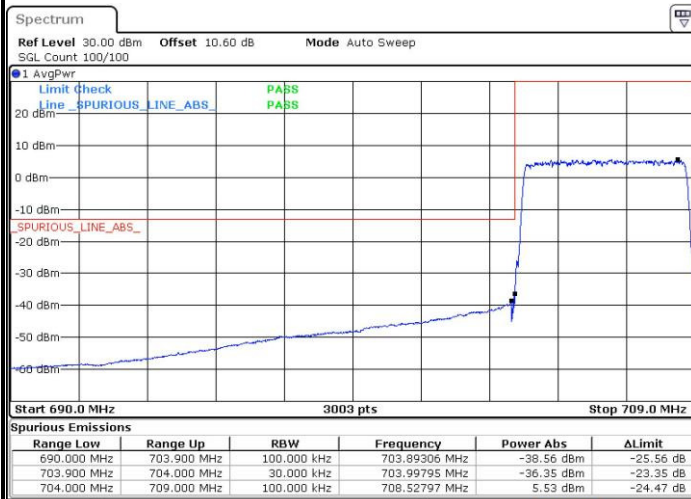
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



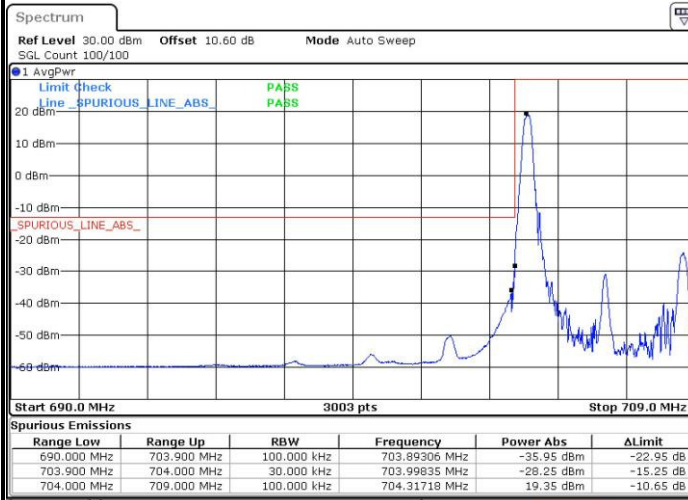
## Highest Band Edge / Full RB



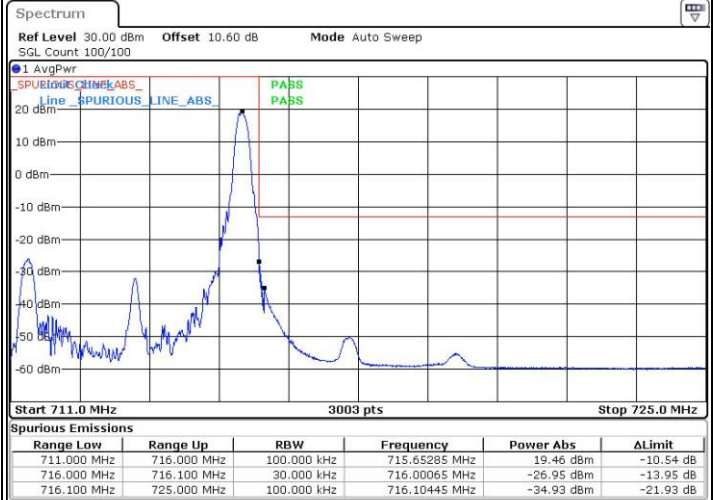


## LTE Band 17 / 5MHz / 64QAM

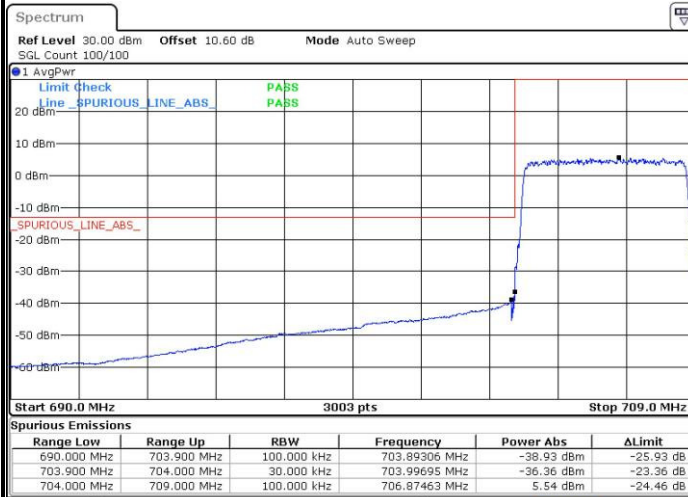
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



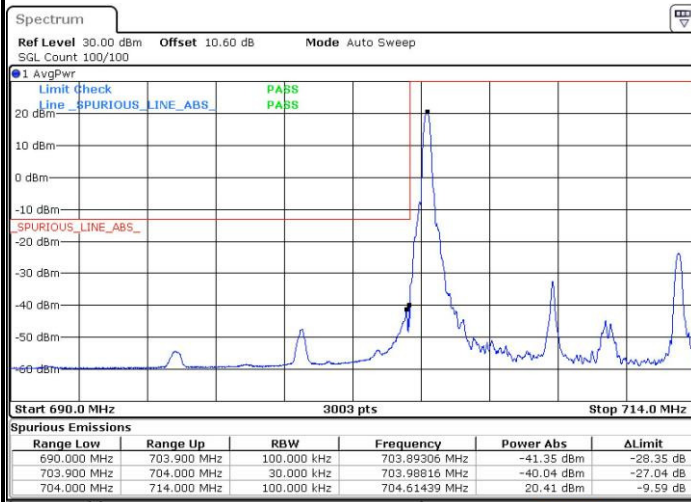
## Highest Band Edge / Full RB



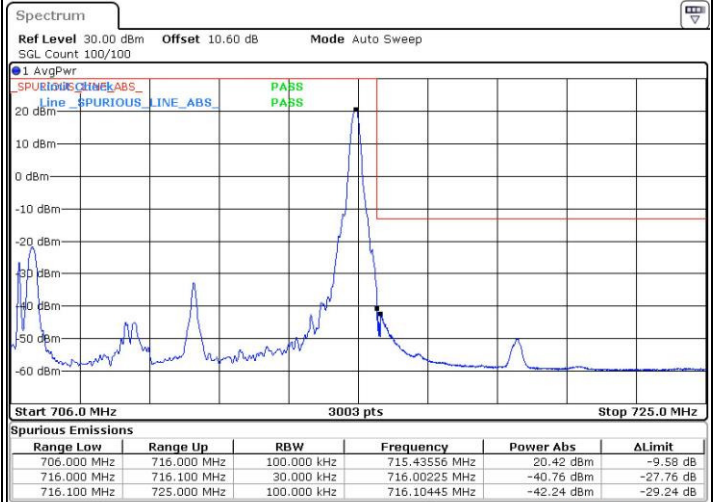


## LTE Band 17 / 10MHz / QPSK

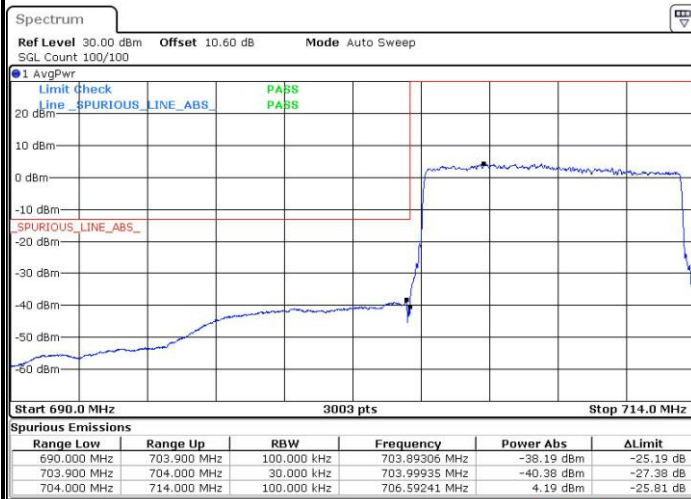
## Lowest Band Edge / 1 RB



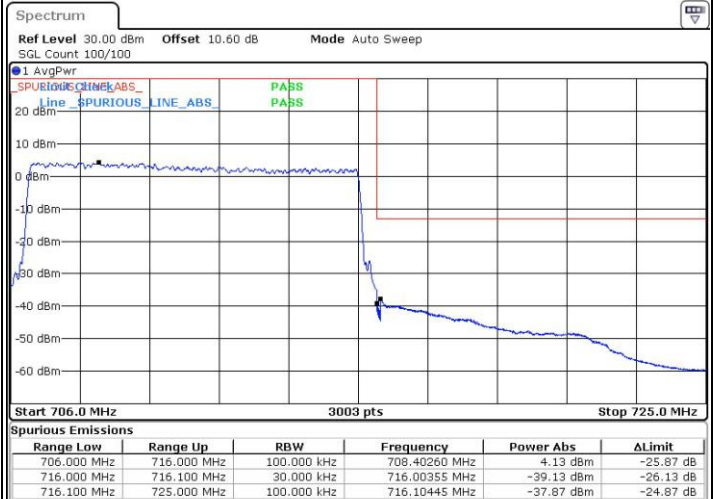
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



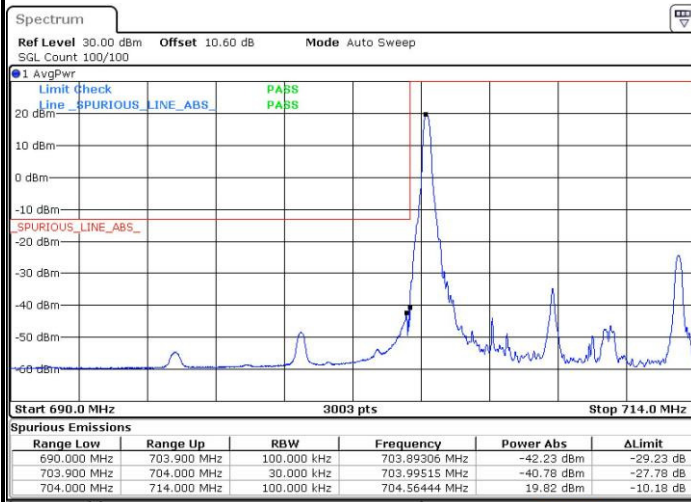
## Highest Band Edge / Full RB



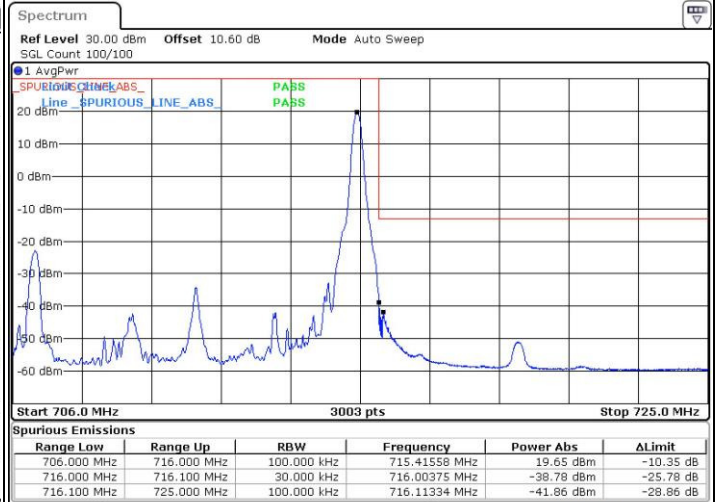


## LTE Band 17 / 10MHz / 16QAM

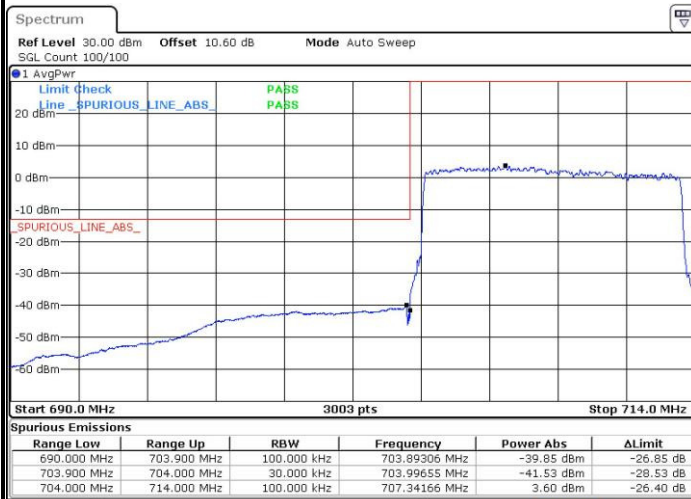
## Lowest Band Edge / 1 RB



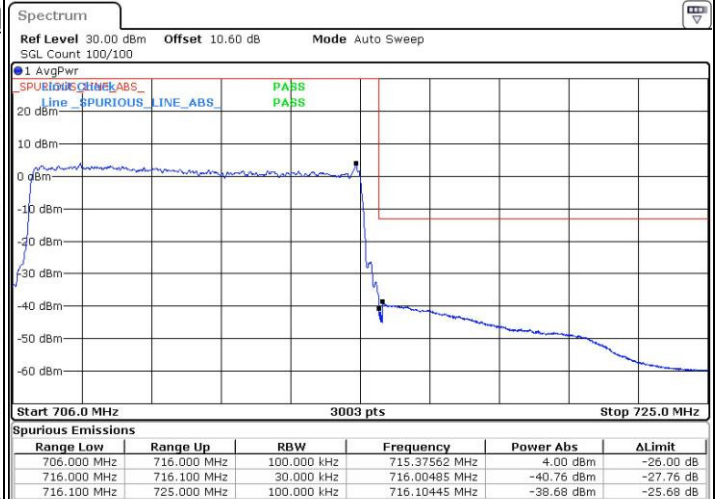
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



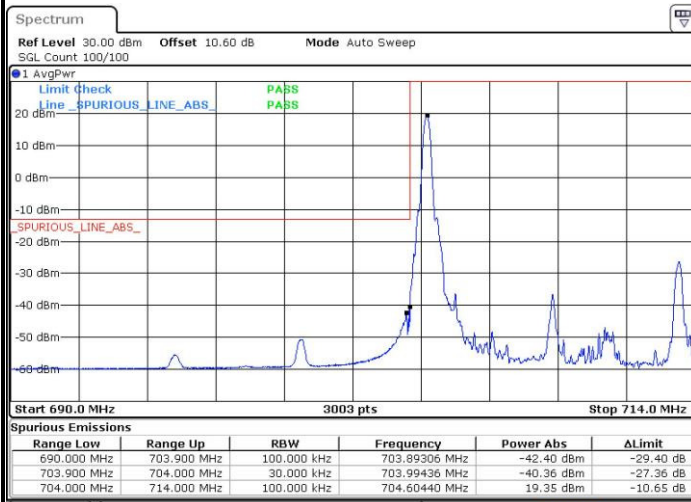
## Highest Band Edge / Full RB



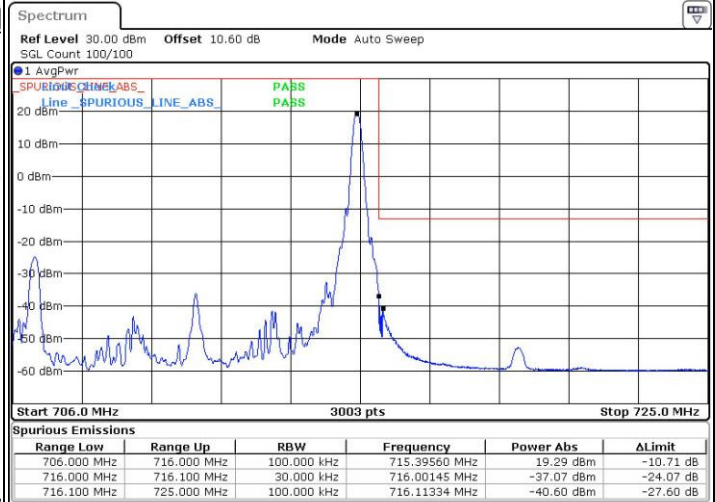


## LTE Band 17 / 10MHz / 64QAM

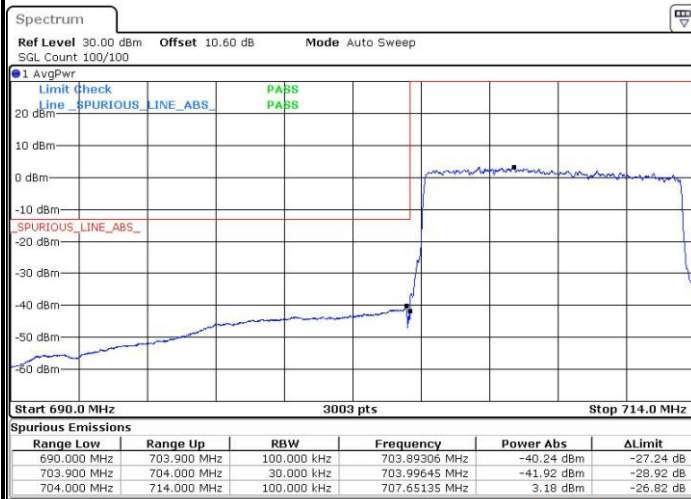
## Lowest Band Edge / 1 RB



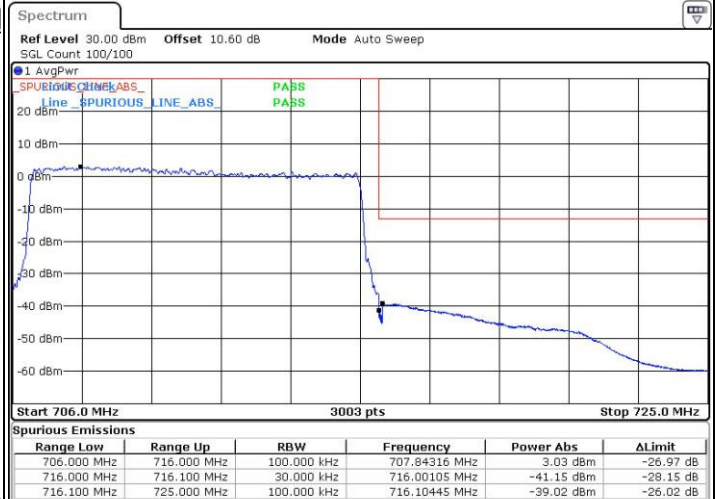
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



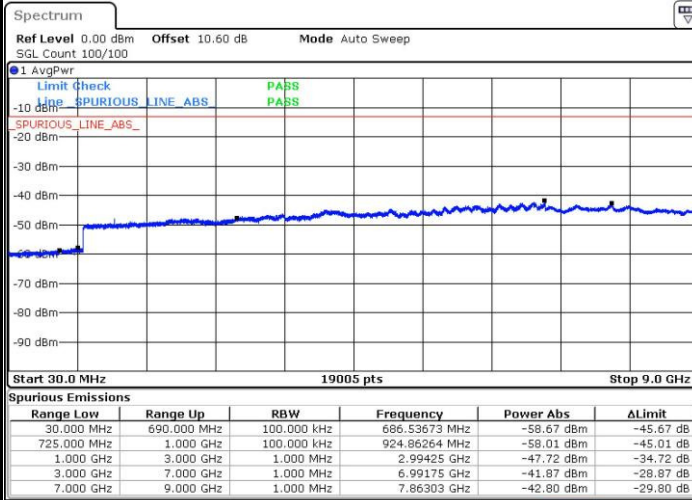


## **Conducted Spurious Emission**



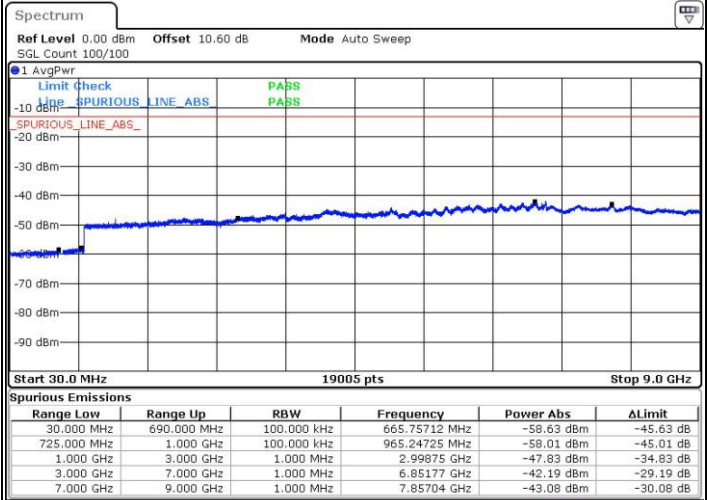
## LTE Band 17 / 5MHz

## Lowest Channel / QPSK



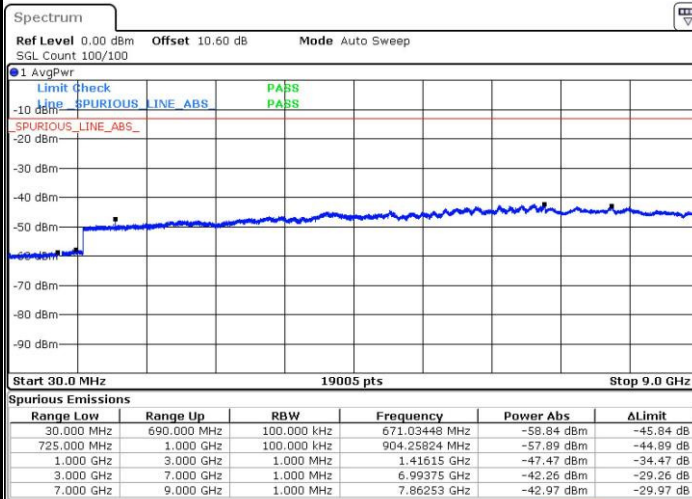
Date: 5 APR 2017 23:18:52

## Lowest Channel / 16QAM



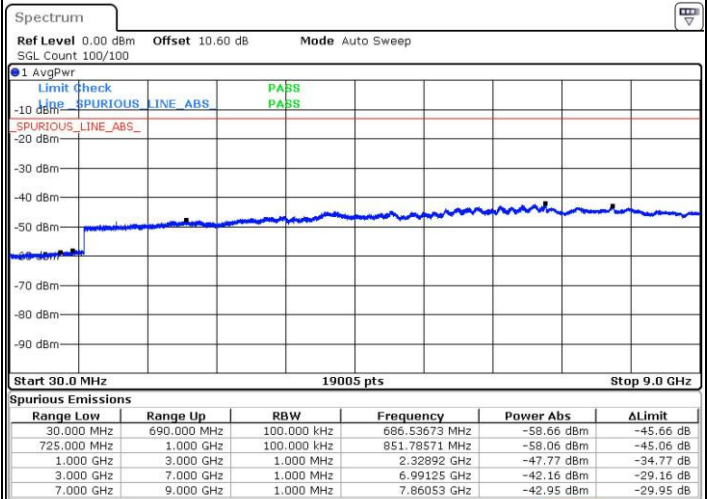
Date: 5 APR 2017 23:19:46

## Middle Channel / QPSK



Date: 5 APR 2017 23:21:22

## Middle Channel / 16QAM

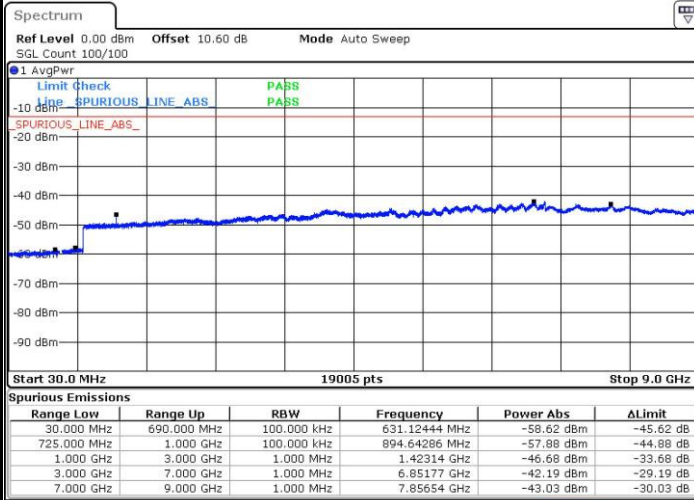


Date: 5 APR 2017 23:22:16



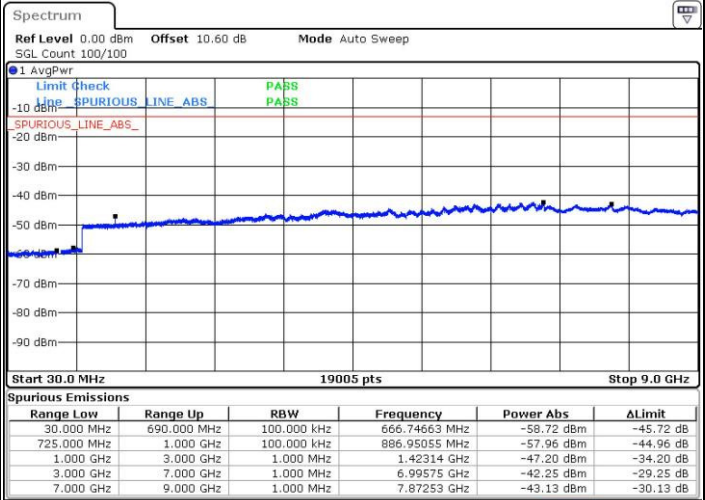
## LTE Band 17 / 5MHz

## Highest Channel / QPSK



Date: 5 APR 2017 23:28:28

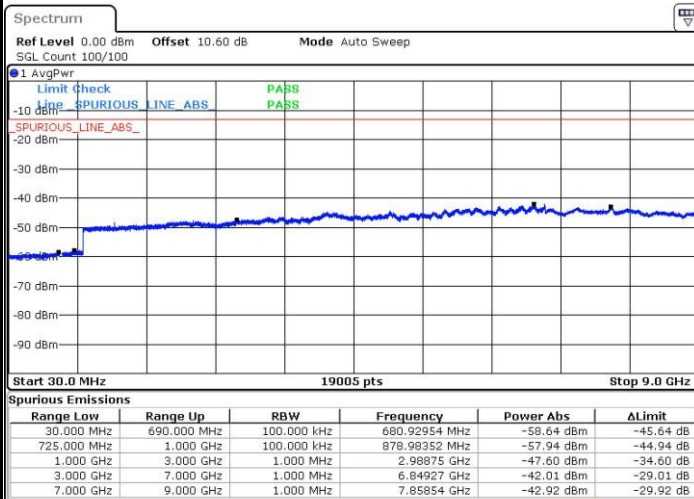
## Highest Channel / 16QAM



Date: 5 APR 2017 23:29:22

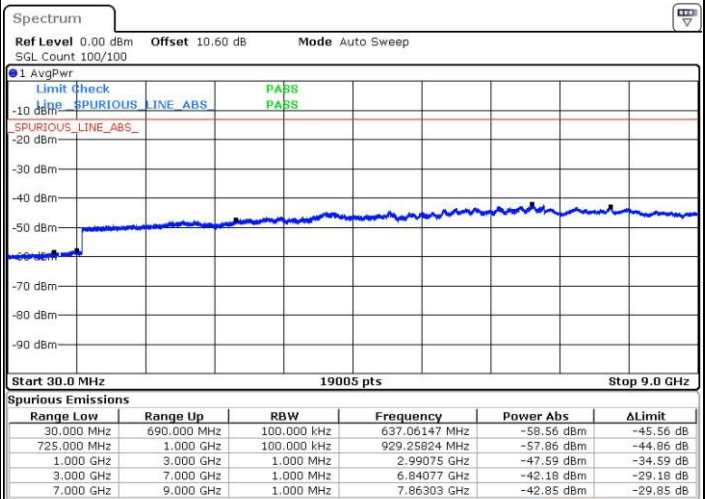
## LTE Band 17 / 10MHz

## Lowest Channel / QPSK



Date: 5 APR 2017 23:35:34

## Lowest Channel / 16QAM

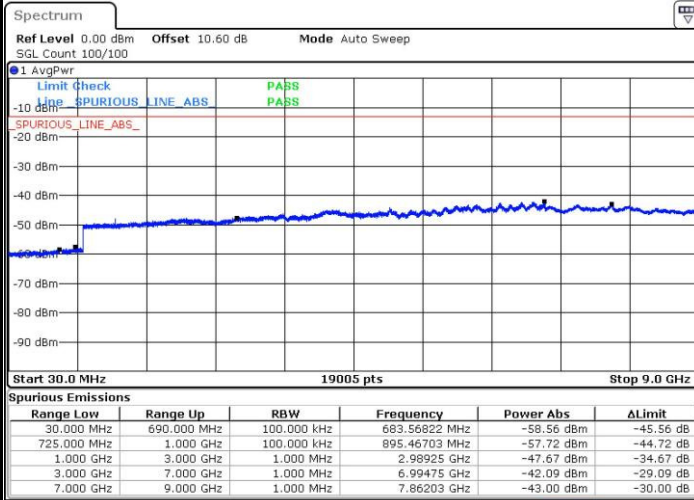


Date: 5 APR 2017 23:36:28



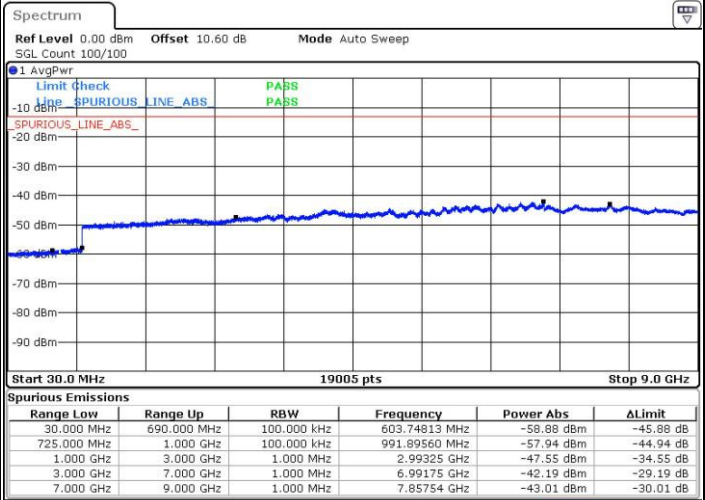
## LTE Band 17 / 10MHz

## Middle Channel / QPSK



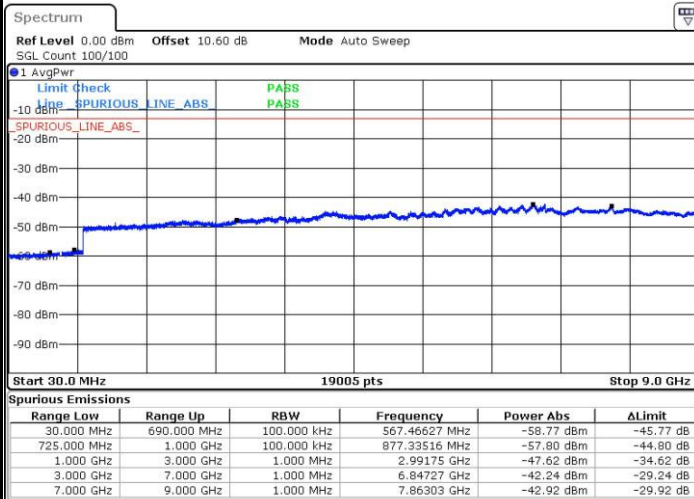
Date: 5 APR 2017 23:38:04

## Middle Channel / 16QAM



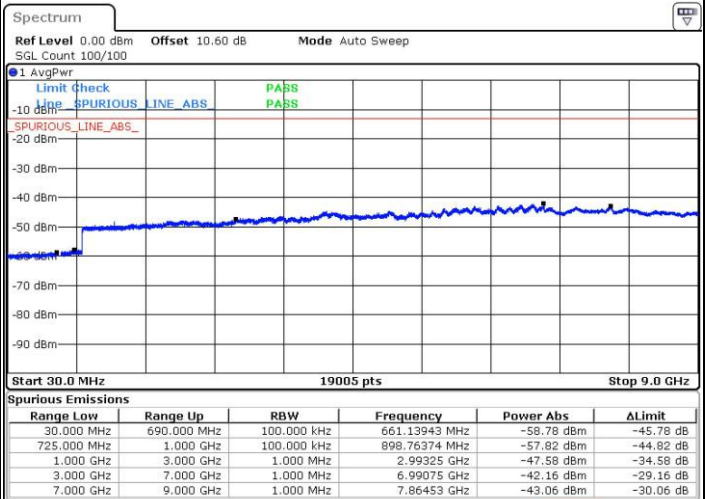
Date: 5 APR 2017 23:38:58

## Highest Channel / QPSK



Date: 5 APR 2017 23:45:10

## Highest Channel / 16QAM

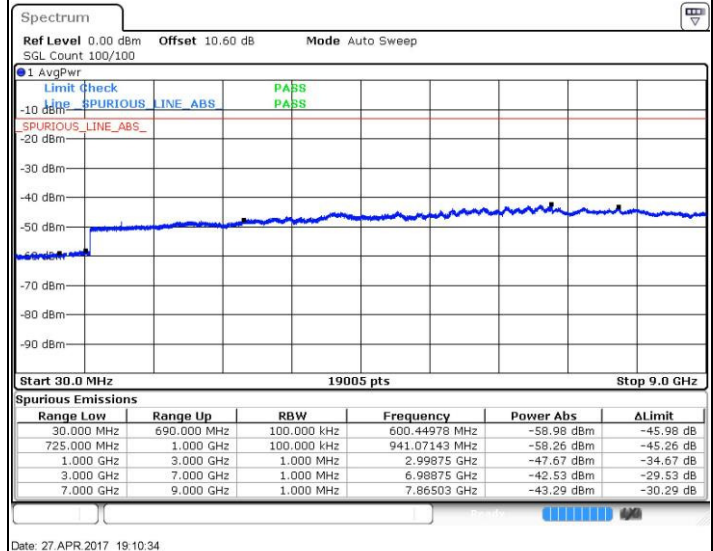


Date: 5 APR 2017 23:46:04

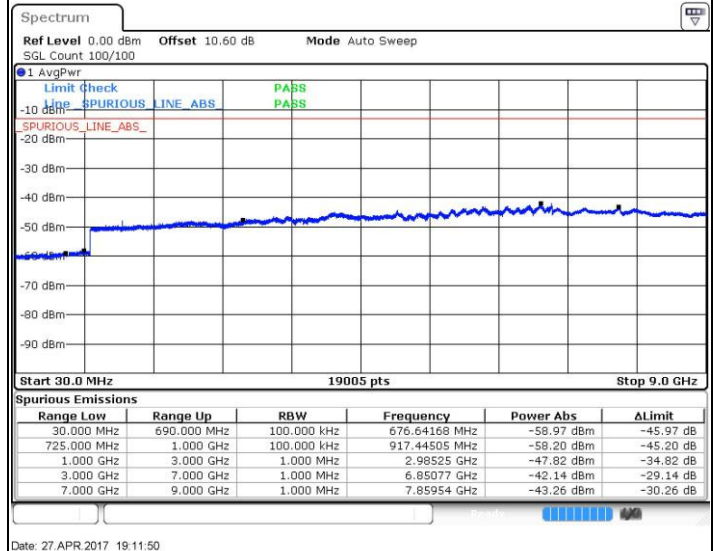


## LTE Band 17 / 5MHz

## Lowest Channel / 64QAM



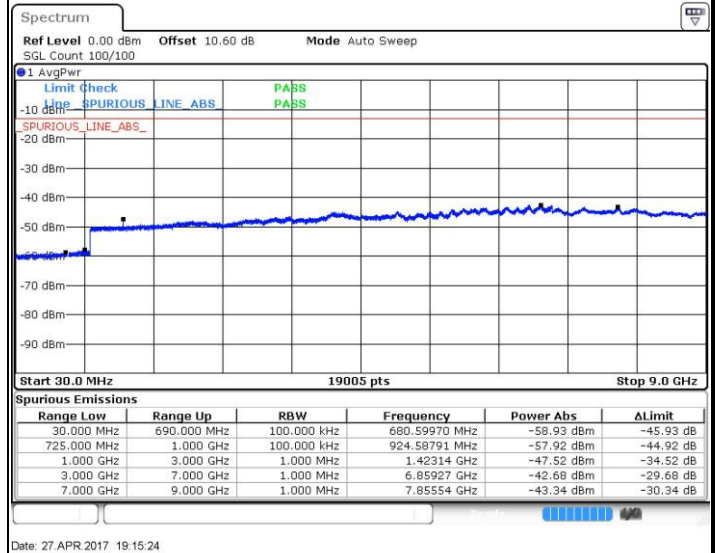
## Middle Channel / 64QAM





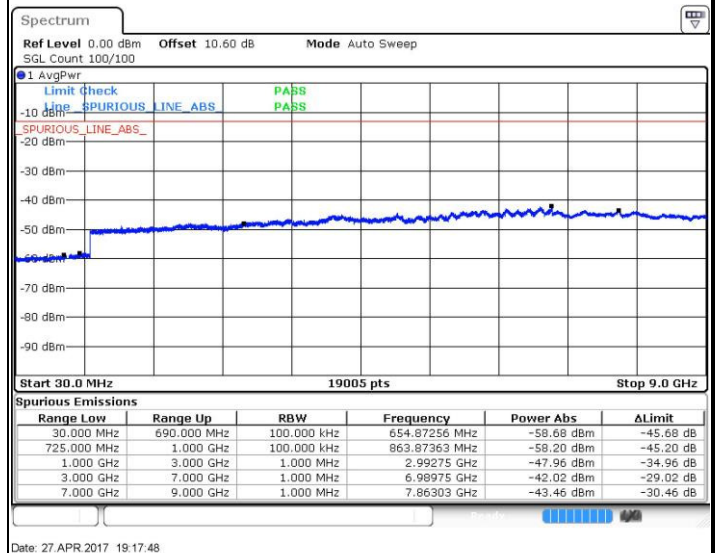
LTE Band 17 / 5MHz

Highest Channel / 64QAM



LTE Band 17 / 10MHz

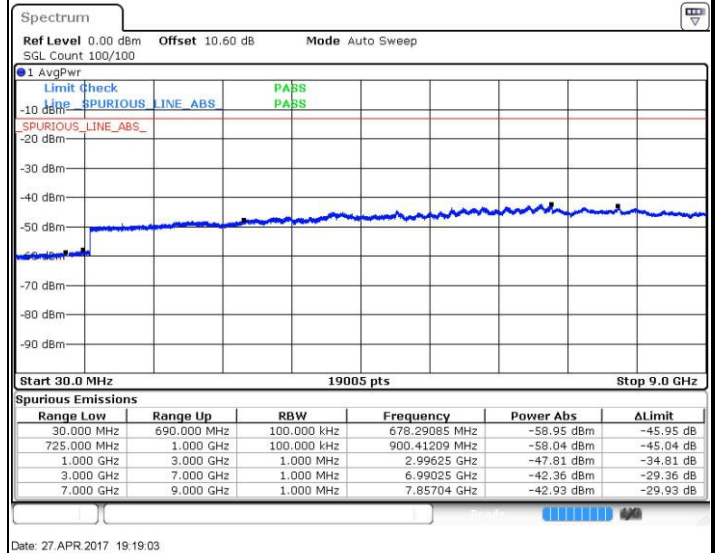
Lowest Channel / 64QAM



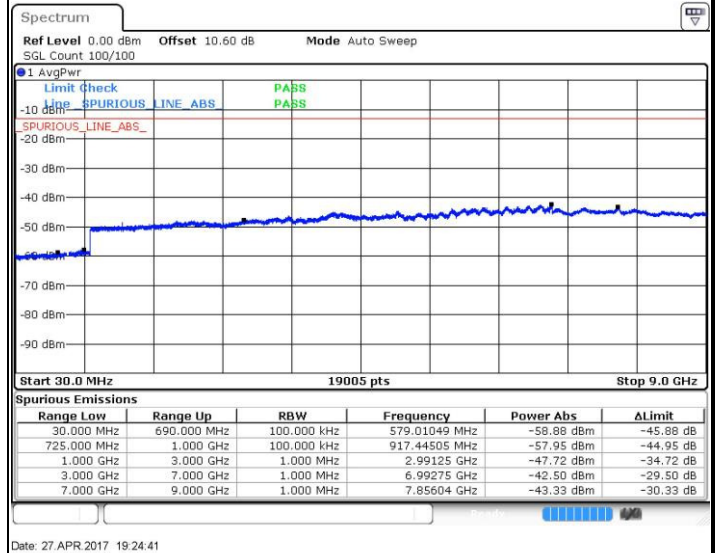


## LTE Band 17 / 10MHz

## Middle Channel / 64QAM



## Highest Channel / 64QAM



## Frequency Stability

| Test Conditions  |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0013                              | PASS    |
| 40               | Normal Voltage    | 0.0131                              |         |
| 30               | Normal Voltage    | 0.0001                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0107                              |         |
| 0                | Normal Voltage    | 0.0096                              |         |
| -10              | Normal Voltage    | 0.0118                              |         |
| -20              | Normal Voltage    | 0.0004                              |         |
| -30              | Normal Voltage    | 0.0014                              |         |
| 20               | Maximum Voltage   | 0.0004                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0100                              |         |

**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 25

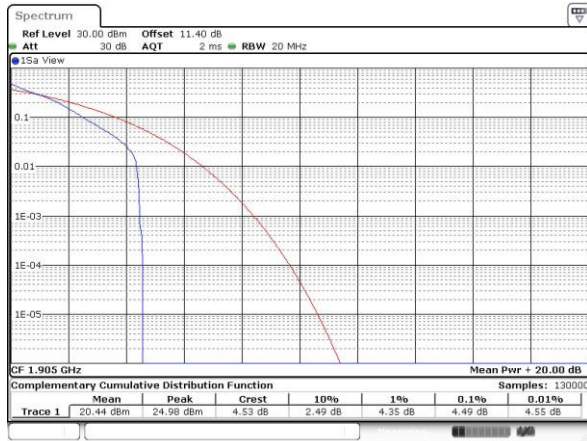
### Peak-to-Average Ratio

| Mode       | LTE Band 25 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | -                   | -       | -     | -       | PASS        |
| Middle CH  | -                   | -       | -     | -       |             |
| Highest CH | 4.49                | 5.04    | 5.51  | 6.12    |             |
| Mod.       | -                   |         | 64QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | -                   | -       | -     | -       | PASS        |
| Middle CH  | -                   | -       | -     | -       |             |
| Highest CH | -                   | -       | 5.59  | 6.2     |             |

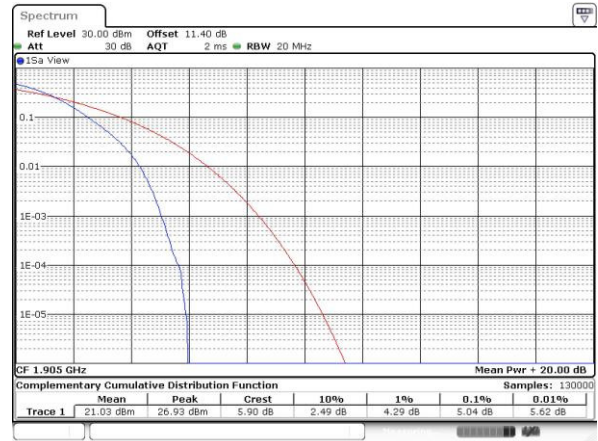


## LTE Band 25 / 20MHz / QPSK

## Highest Channel / 1RB



## Highest Channel / Full RB



## LTE Band 25 / 20MHz / 16QAM

## Highest Channel / 1RB



## Highest Channel / Full RB



## LTE Band 25 / 20MHz / 64QAM

## Highest Channel / 1RB



## Highest Channel / Full RB



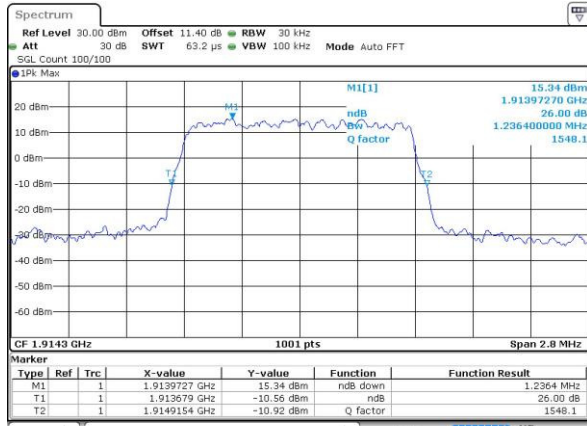
**26dB Bandwidth**

| Mode       | LTE Band 25 : 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  | -                          | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     |
| Middle CH  | -                          | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     |
| Highest CH | 1.24                       | 1.21  | 3.01 | 3.07  | 4.93 | 4.89  | 9.83  | 9.73  | 14.21 | 14.48 | 20.10 | 20.10 |
| BW         | 1.4MHz                     |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                          | 64QAM | -    | 64QAM | -    | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM |
| Lowest CH  | -                          | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     |
| Middle CH  | -                          | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     |
| Highest CH | -                          | 1.23  | -    | 2.94  | -    | 4.84  | -     | 9.75  | -     | 14.12 | -     | 20.14 |

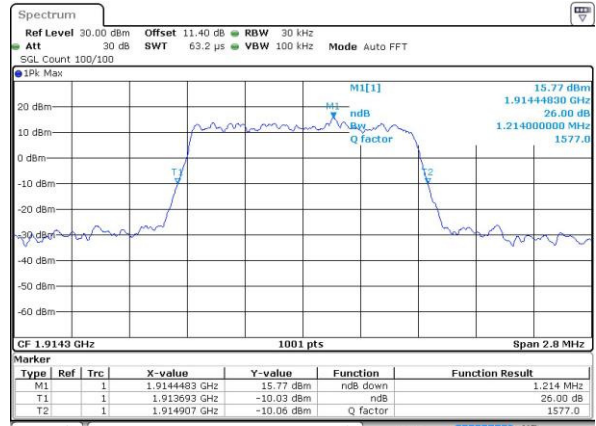


## LTE Band 25

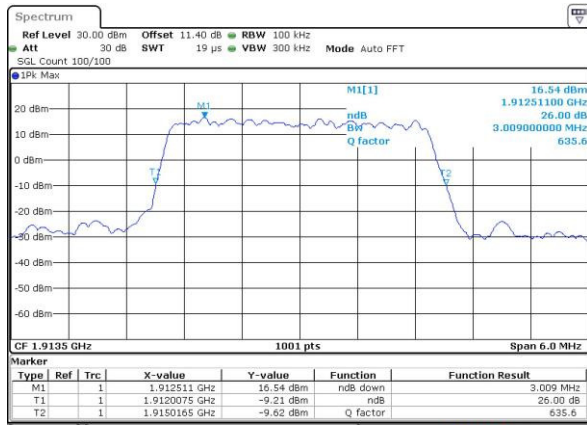
## Highest Channel / 1.4MHz / QPSK



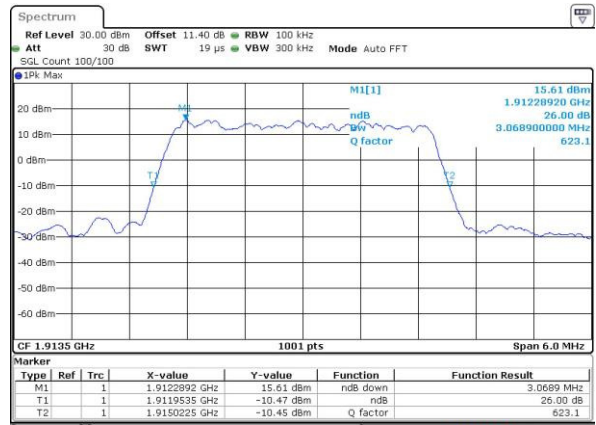
## Highest Channel / 1.4MHz / 16QAM



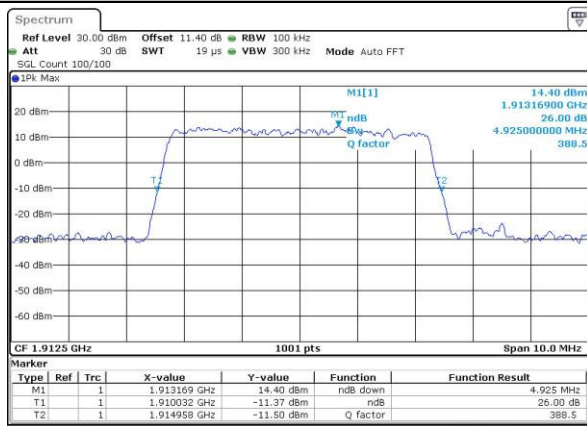
## Highest Channel / 3MHz / QPSK



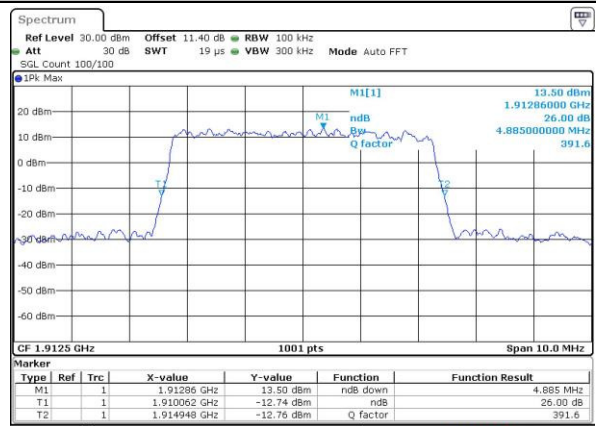
## Highest Channel / 3MHz / 16QAM



## Highest Channel / 5MHz / QPSK



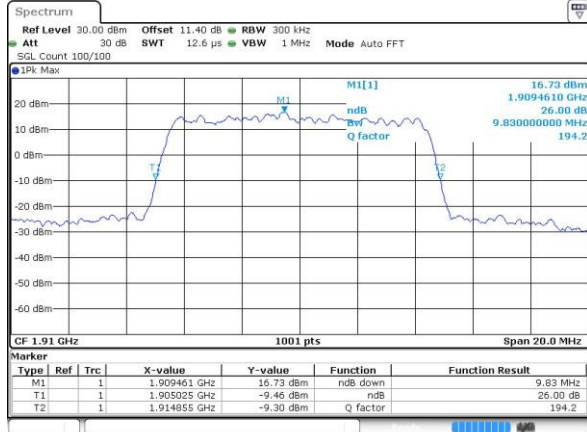
## Highest Channel / 5MHz / 16QAM





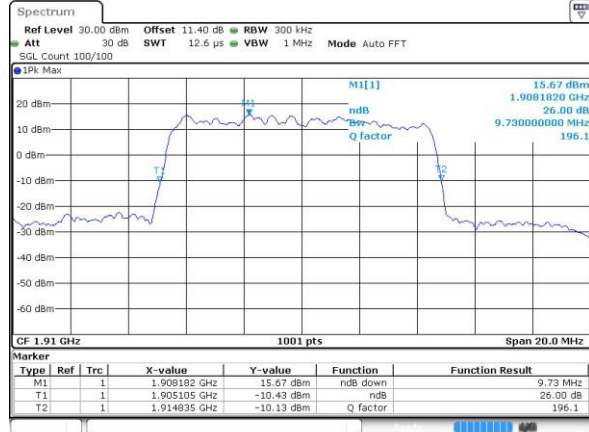
## LTE Band 25

## Highest Channel / 10MHz / QPSK



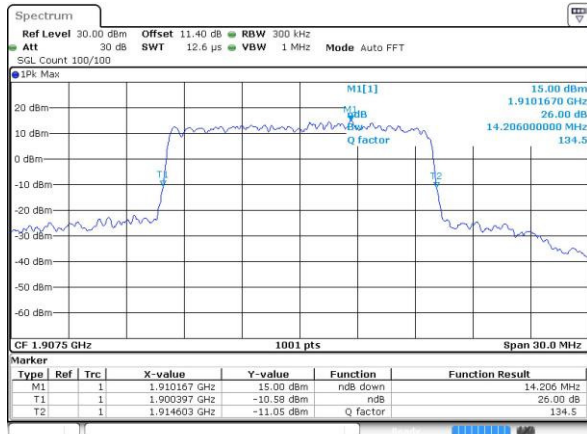
Date: 7 APR 2017 01:18:26

## Highest Channel / 10MHz / 16QAM



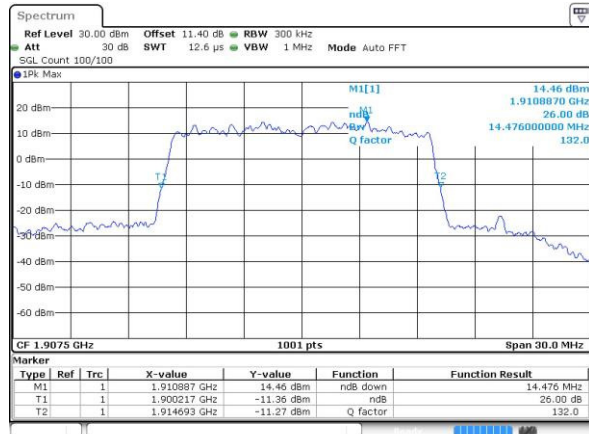
Date: 7 APR 2017 01:18:16

## Highest Channel / 15MHz / QPSK



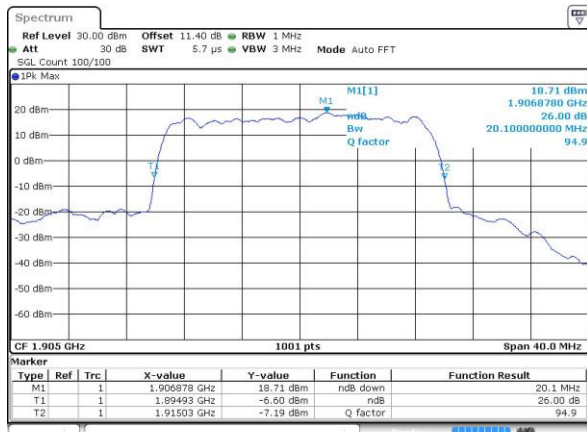
Date: 7 APR 2017 01:25:34

## Highest Channel / 15MHz / 16QAM



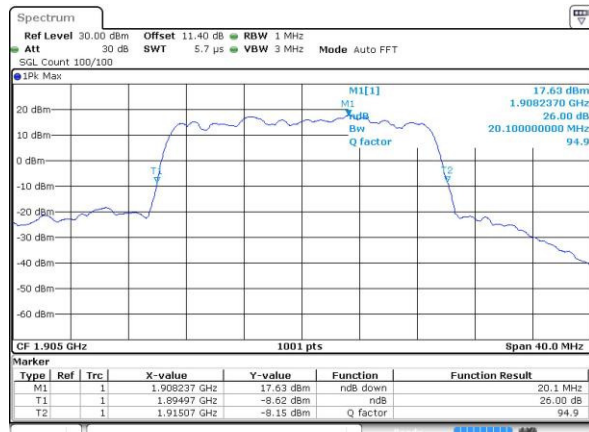
Date: 7 APR 2017 01:25:23

## Highest Channel / 20MHz / QPSK



Date: 7 APR 2017 01:32:41

## Highest Channel / 20MHz / 16QAM

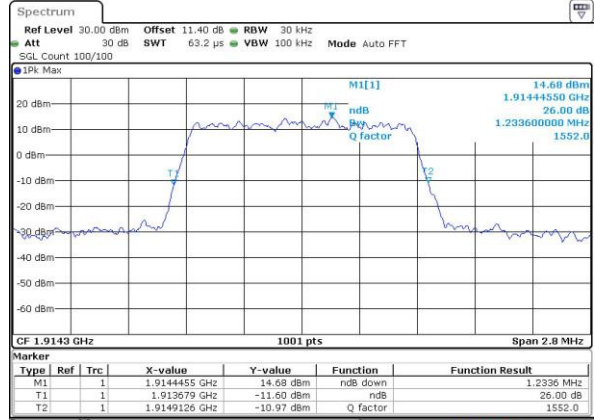


Date: 7 APR 2017 01:32:30



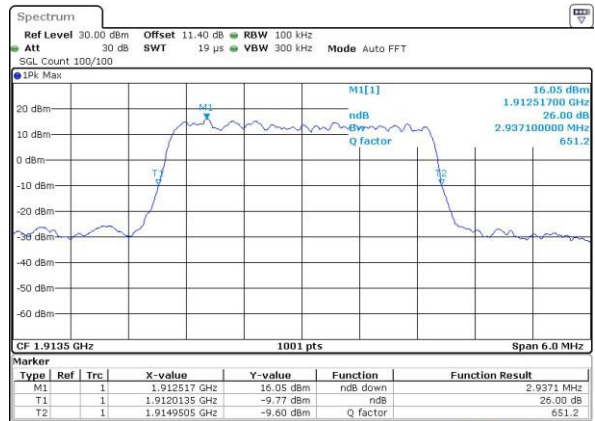
## LTE Band 25

## Highest Channel / 1.4MHz / 64QAM



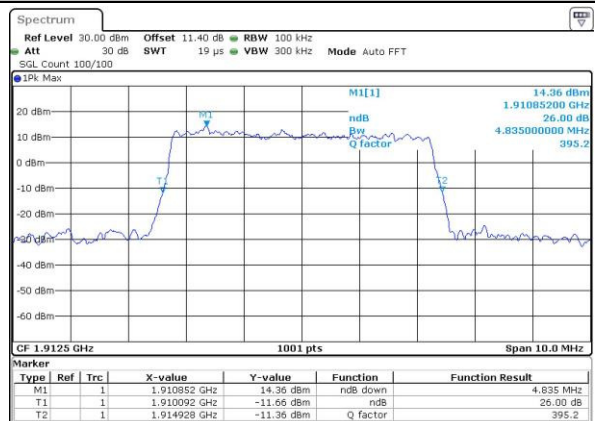
Date: 27 APR 2017 11:56:36

## Highest Channel / 3MHz / 64QAM



Date: 27 APR 2017 11:25:44

## Highest Channel / 5MHz / 64QAM



Date: 27 APR 2017 11:29:17