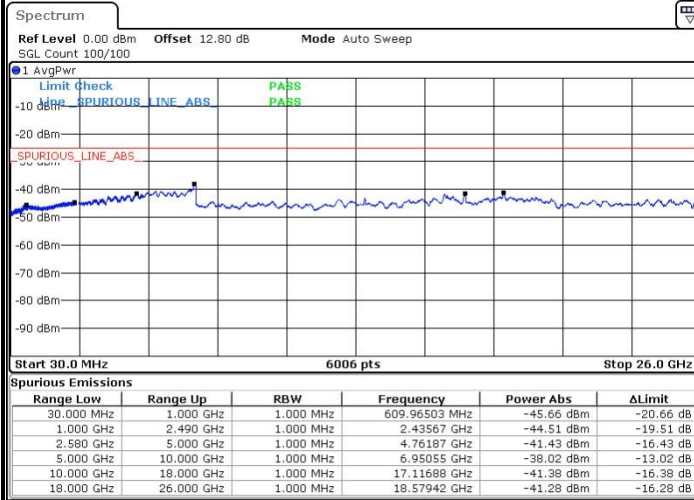




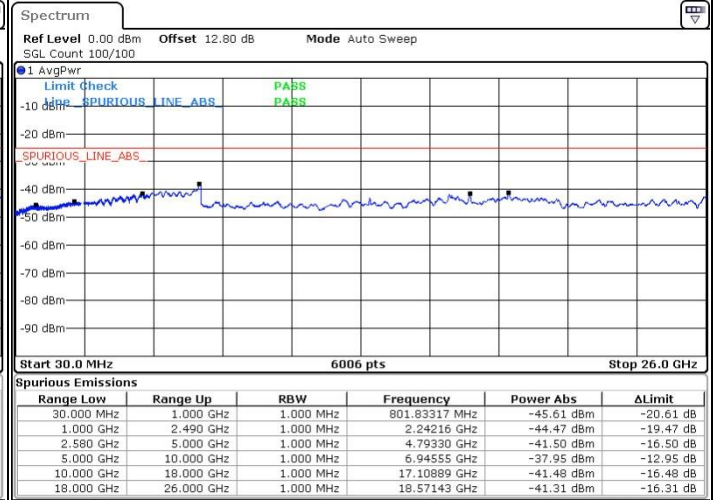
## LTE Band 7 / 5MHz

## Lowest Channel / QPSK



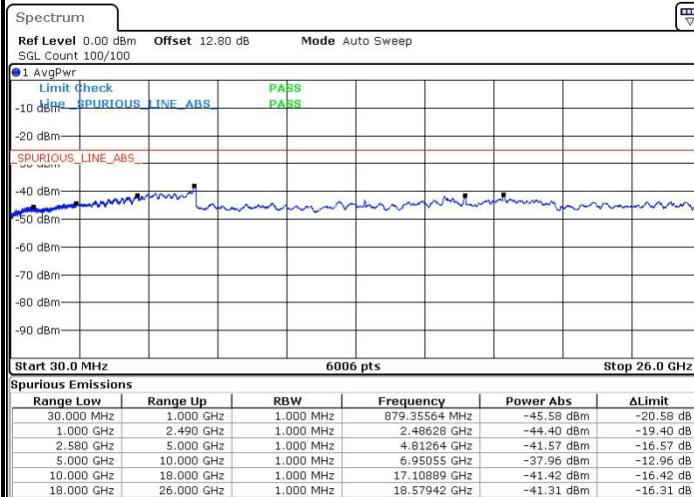
Date: 11.SEP.2015 15:47:21

## Lowest Channel / 16QAM



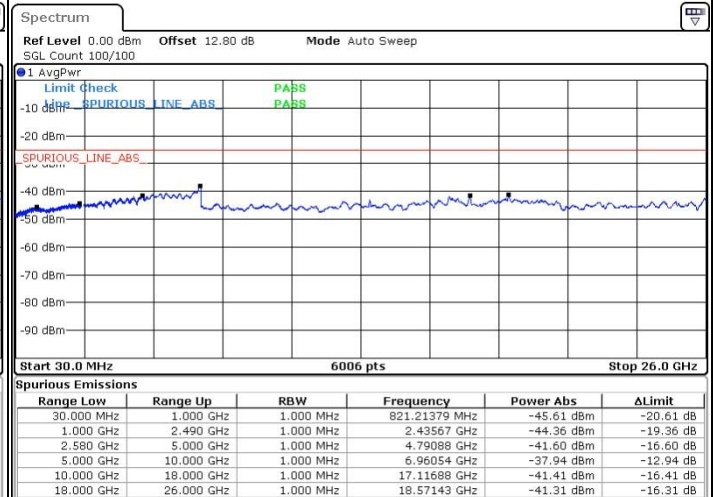
Date: 11.SEP.2015 15:48:17

## Middle Channel / QPSK



Date: 11.SEP.2015 15:50:00

## Middle Channel / 16QAM

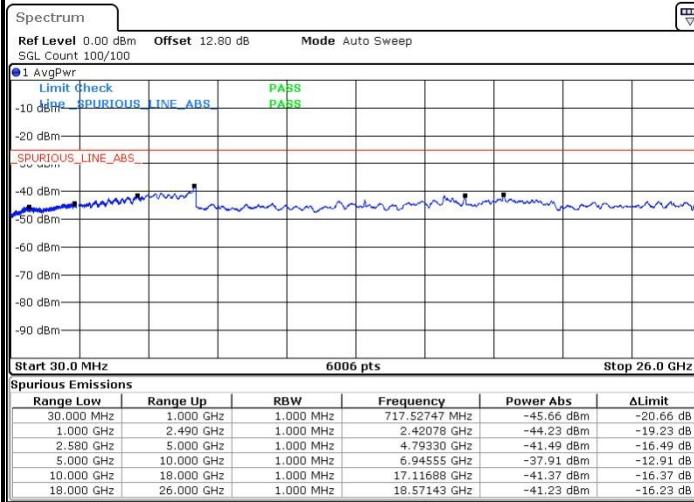


Date: 11.SEP.2015 15:50:55



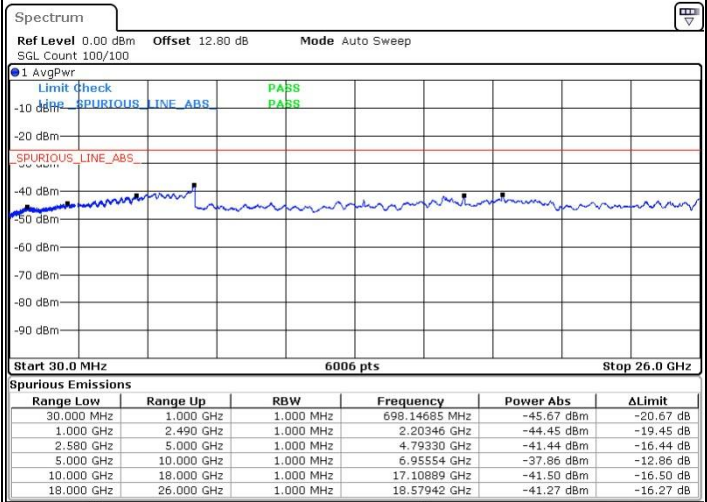
## LTE Band 7 / 5MHz

## Highest Channel / QPSK



Date: 11.SEP.2015 15:57:17

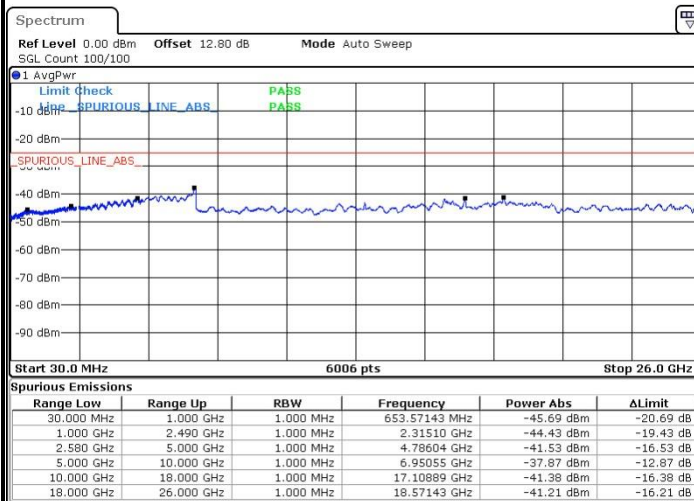
## Highest Channel / 16QAM



Date: 11.SEP.2015 15:58:13

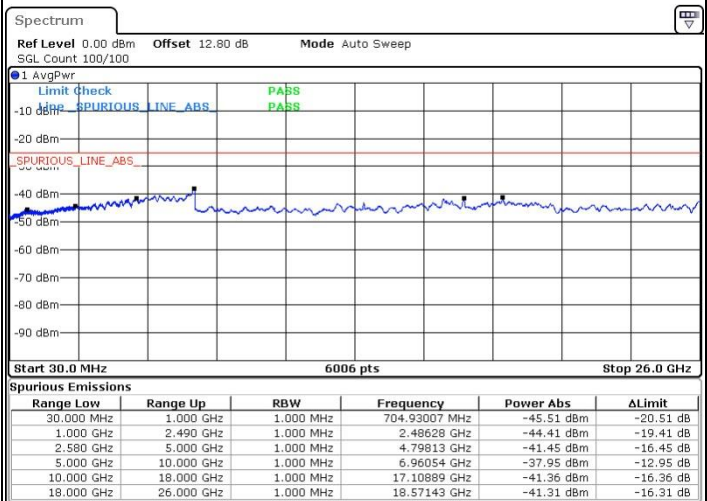
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



Date: 11.SEP.2015 16:04:35

## Lowest Channel / 16QAM

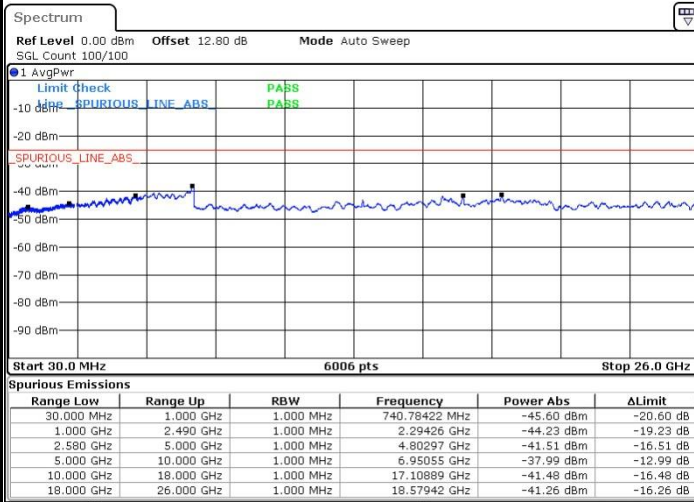


Date: 11.SEP.2015 16:05:30



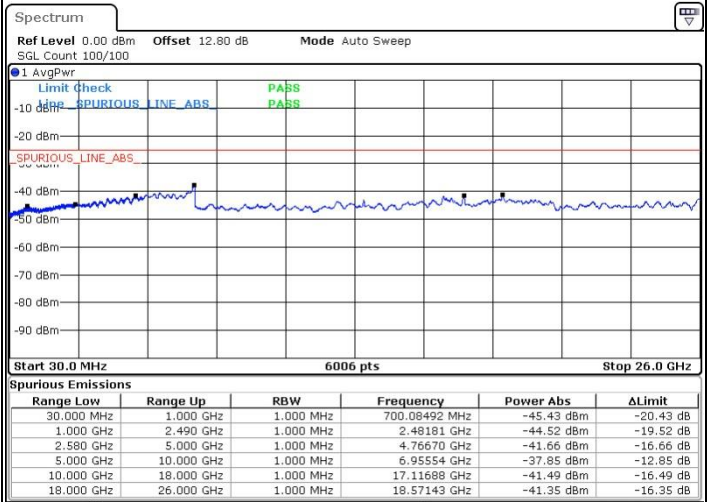
## LTE Band 7 / 10MHz

## Middle Channel / QPSK



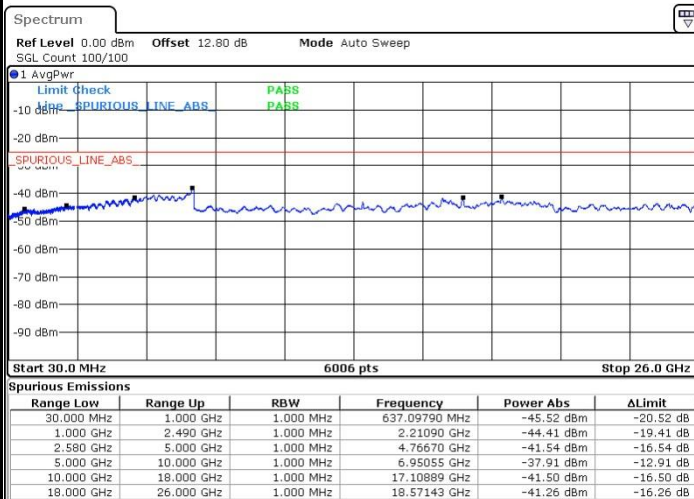
Date: 11.SEP.2015 16:07:13

## Middle Channel / 16QAM



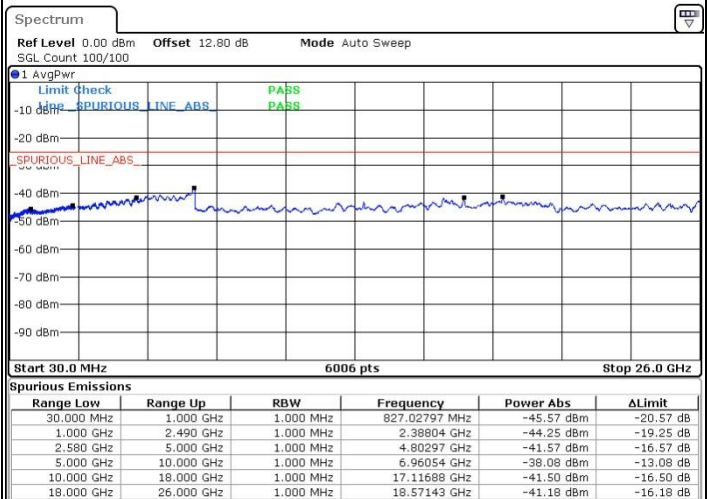
Date: 11.SEP.2015 16:08:08

## Highest Channel / QPSK



Date: 11.SEP.2015 16:14:31

## Highest Channel / 16QAM

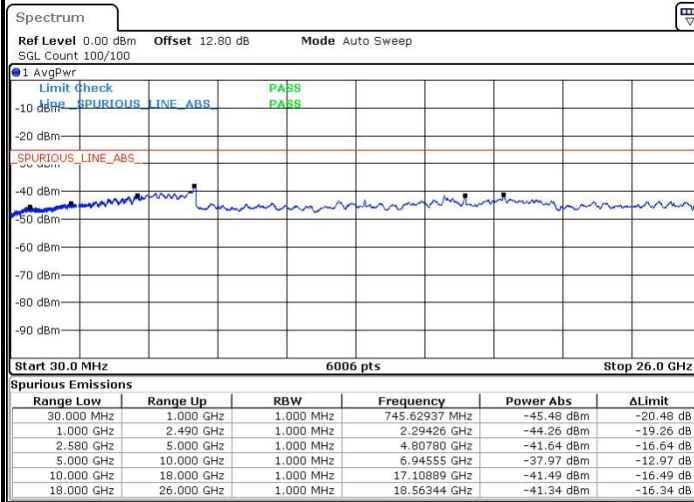


Date: 11.SEP.2015 16:15:27



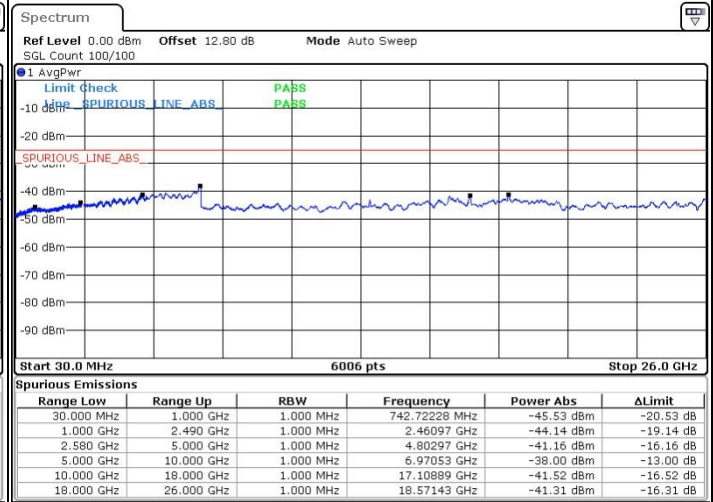
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



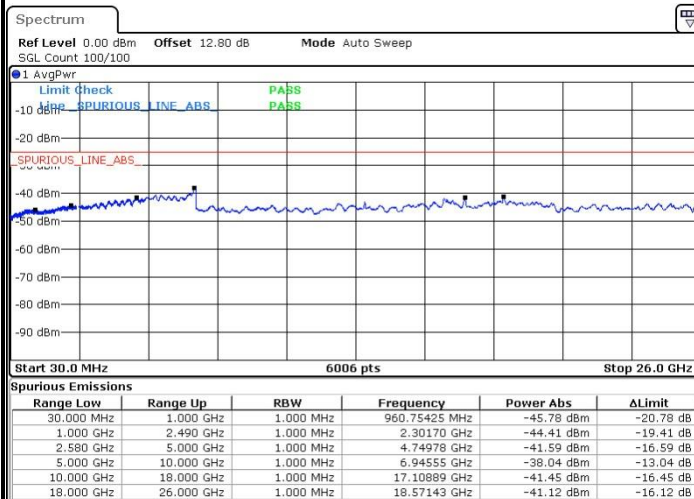
Date: 11.SEP.2015 16:21:49

## Lowest Channel / 16QAM



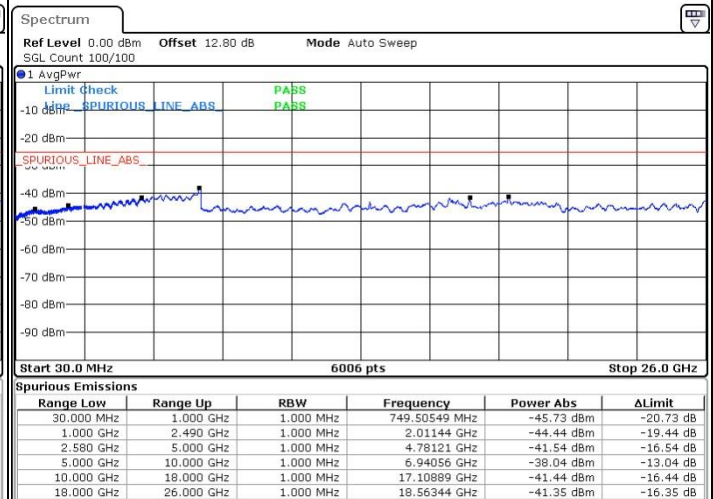
Date: 11.SEP.2015 16:22:44

## Middle Channel / QPSK



Date: 11.SEP.2015 16:24:27

## Middle Channel / 16QAM

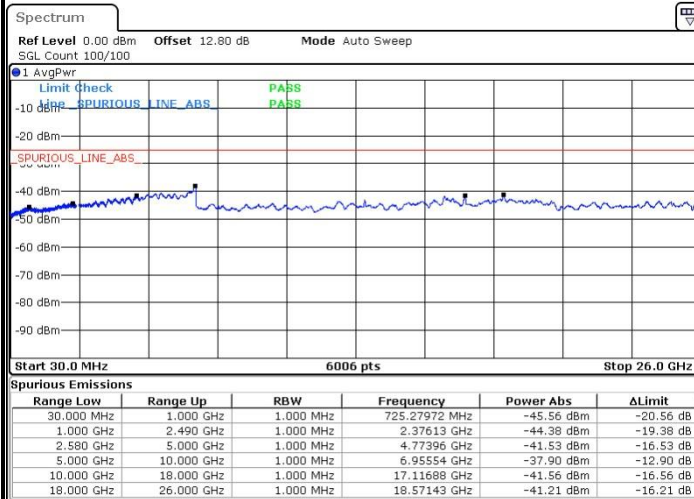


Date: 11.SEP.2015 16:25:22



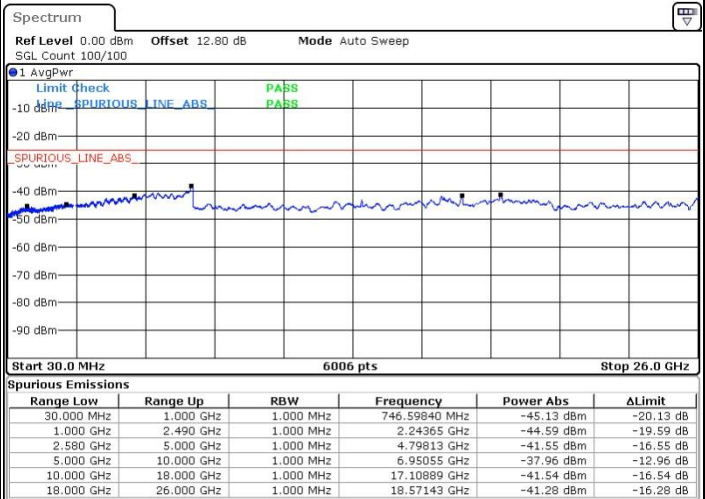
## LTE Band7 / 15MHz

## Highest Channel / QPSK



Date: 11.SEP.2015 16:31:45

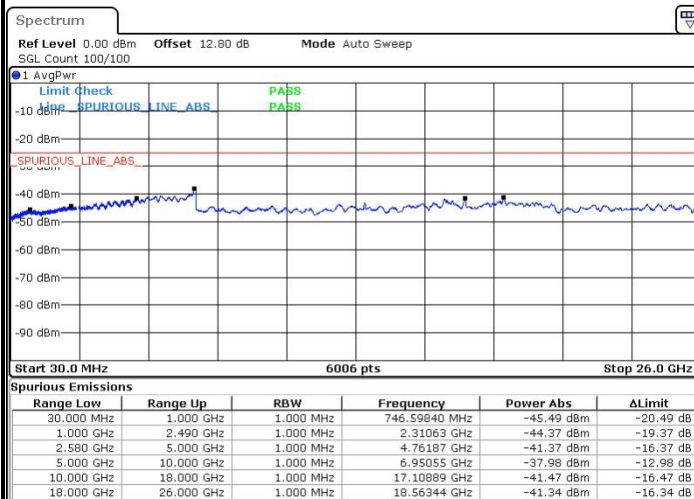
## Highest Channel / 16QAM



Date: 11.SEP.2015 16:32:40

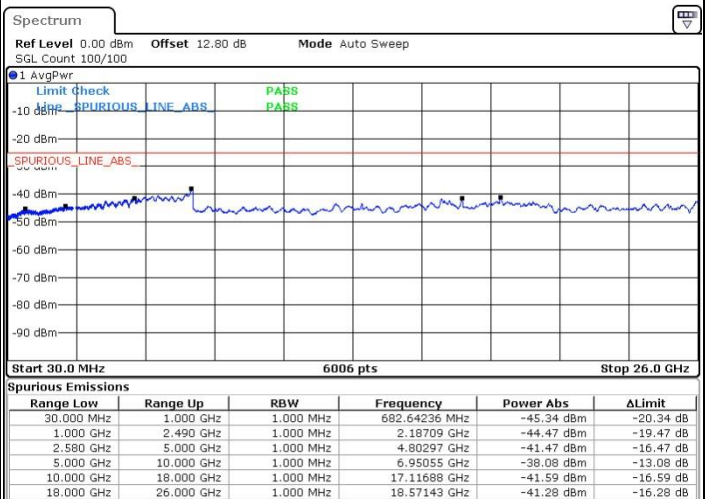
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



Date: 11.SEP.2015 16:39:02

## Lowest Channel / 16QAM

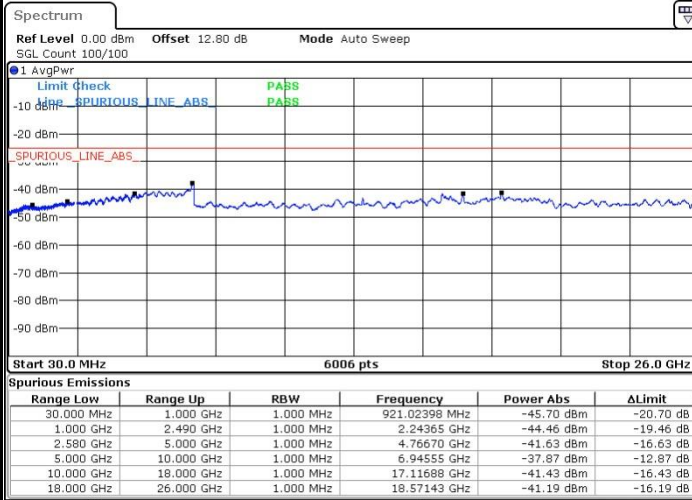


Date: 11.SEP.2015 16:39:58



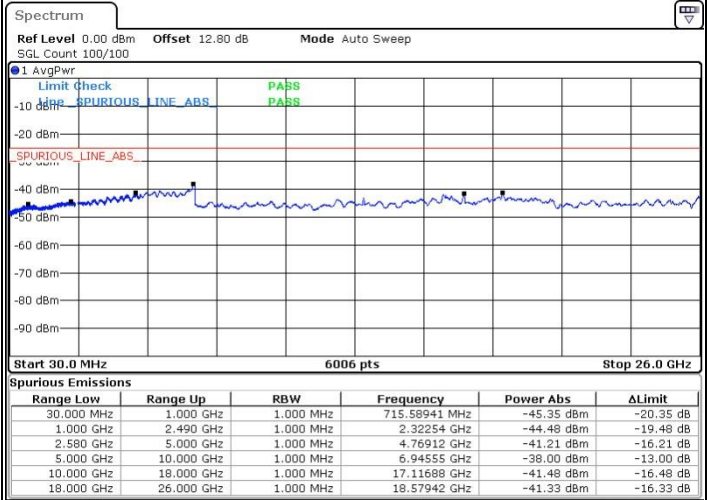
## LTE Band 7 / 20MHz

## Middle Channel / QPSK



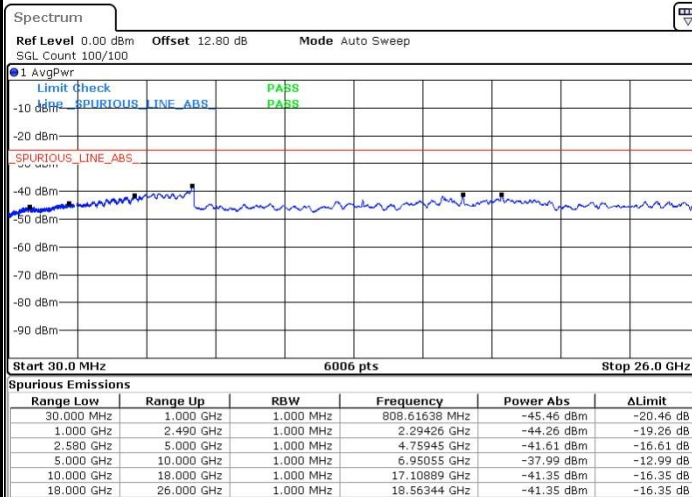
Date: 11.SEP.2015 16:41:40

## Middle Channel / 16QAM



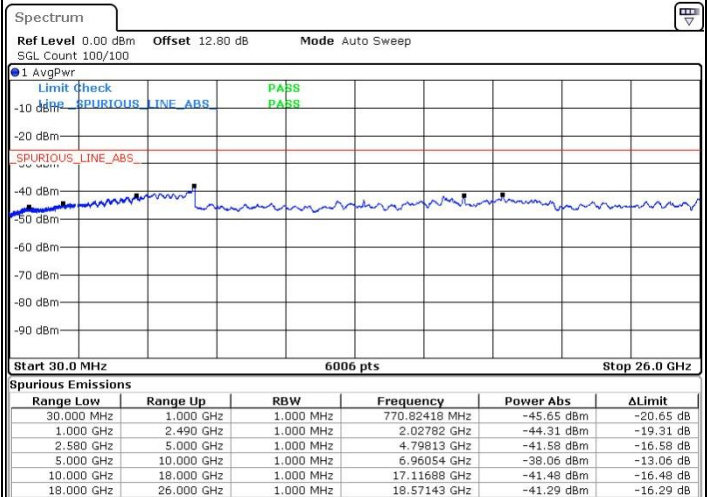
Date: 11.SEP.2015 16:42:36

## Highest Channel / QPSK



Date: 11.SEP.2015 16:48:58

## Highest Channel / 16QAM



Date: 11.SEP.2015 16:49:54

## Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0000                             | PASS    |
| 40               | Normal Voltage    | 0.0004                             |         |
| 30               | Normal Voltage    | 0.0006                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0006                             |         |
| 0                | Normal Voltage    | 0.0001                             |         |
| -10              | Normal Voltage    | 0.0002                             |         |
| -20              | Normal Voltage    | 0.0003                             |         |
| -30              | Normal Voltage    | 0.0006                             |         |
| 20               | Maximum Voltage   | 0.0001                             |         |
| 20               | Normal Voltage    | 0.0003                             |         |
| 20               | Battery End Point | 0.0007                             |         |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.



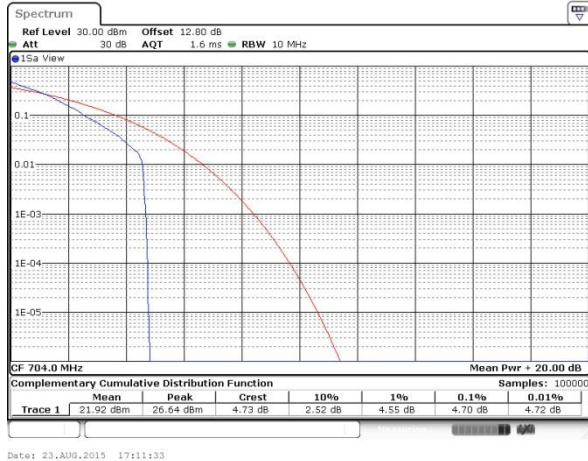


## LTE Band 12

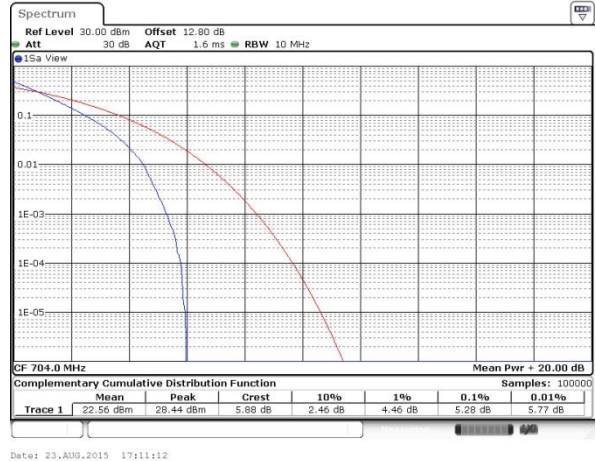
### Peak-to-Average Ratio

| Mode       | LTE Band 12 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.70                | 5.28    | 5.65  | 6.09    | PASS        |
| Middle CH  | 4.90                | 5.16    | 5.71  | 6.12    |             |
| Highest CH | 5.10                | 5.10    | 6.14  | 6.03    |             |

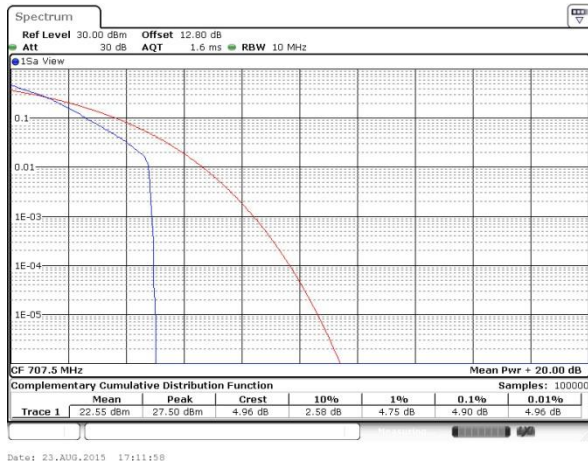


**LTE Band 12 / 10MHz / QPSK**
**Lowest Channel / 1RB**


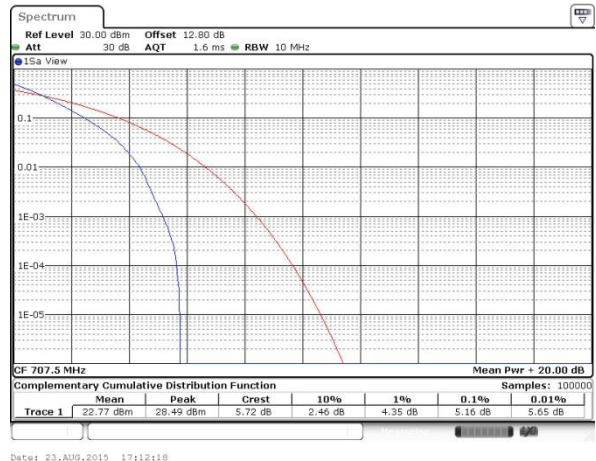
Date: 23.AUG.2015 17:11:33

**Lowest Channel / Full RB**


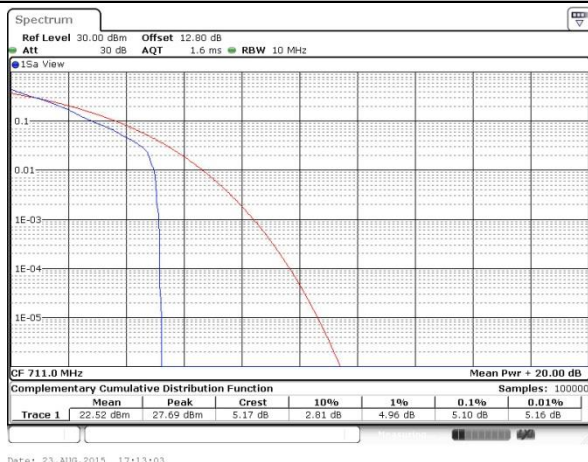
Date: 23.AUG.2015 17:11:12

**Middle Channel / 1RB**


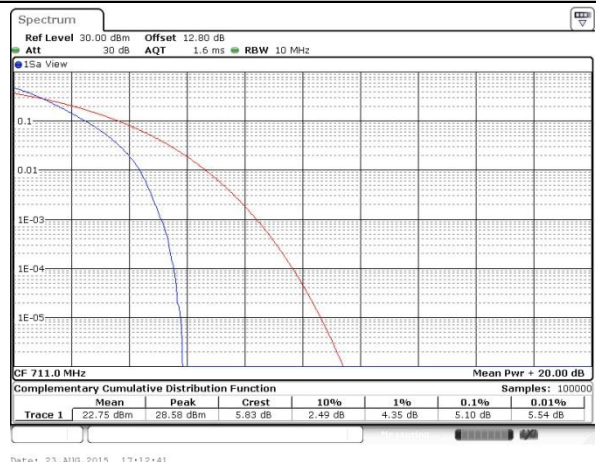
Date: 23.AUG.2015 17:11:58

**Middle Channel / Full RB**


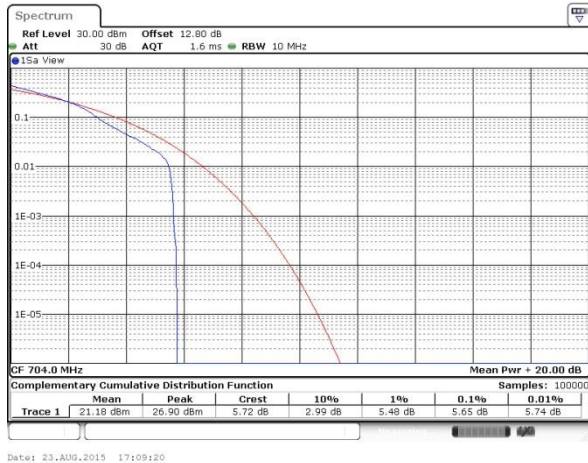
Date: 23.AUG.2015 17:12:18

**Highest Channel / 1RB**


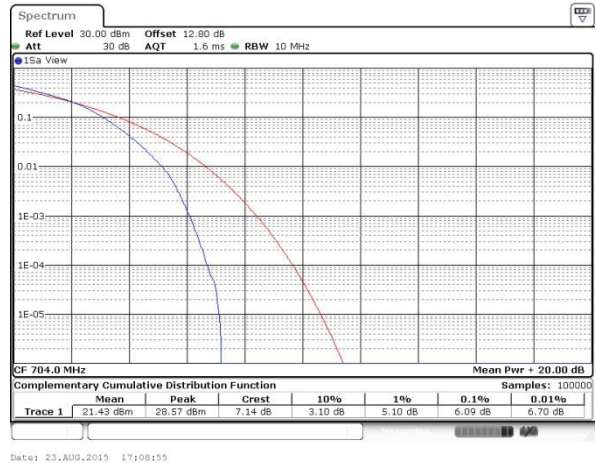
Date: 23.AUG.2015 17:13:03

**Highest Channel / Full RB**


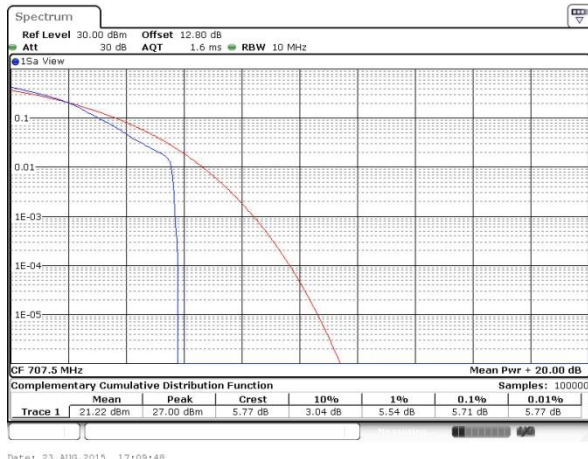
Date: 23.AUG.2015 17:12:41

**LTE Band 12 / 10MHz / 16QAM**
**Lowest Channel / 1RB**


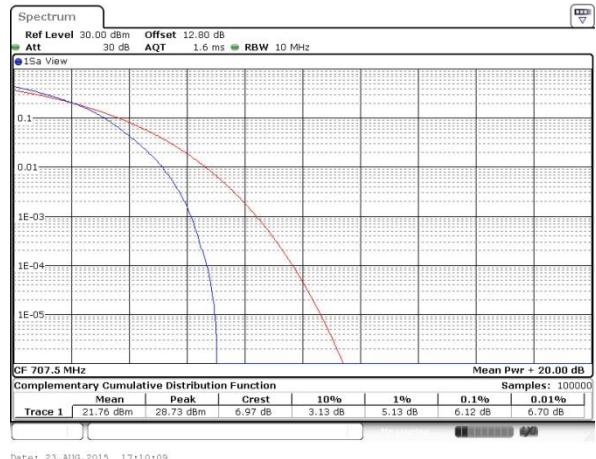
Date: 23.AUG.2015 17:09:20

**Lowest Channel / Full RB**


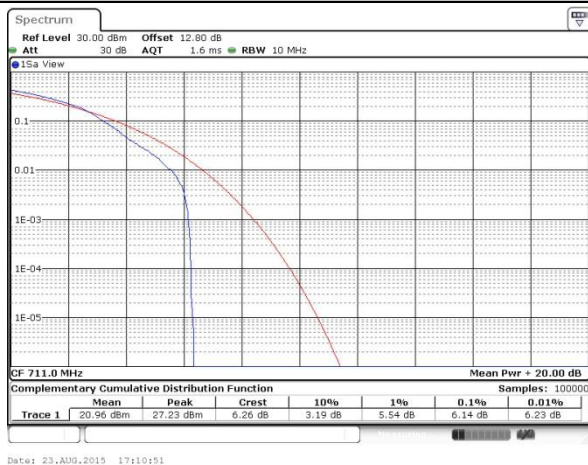
Date: 23.AUG.2015 17:08:55

**Middle Channel / 1RB**


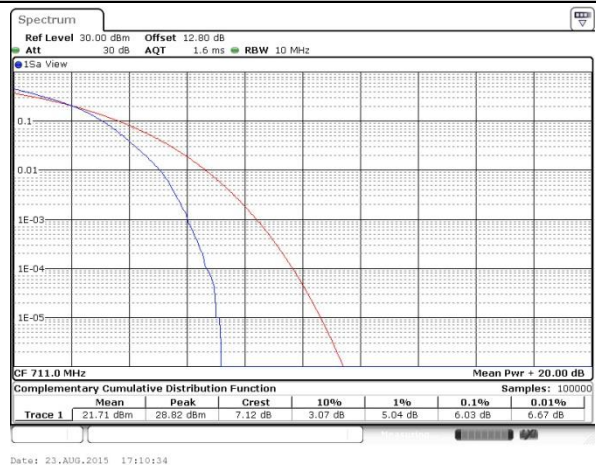
Date: 23.AUG.2015 17:09:48

**Middle Channel / Full RB**


Date: 23.AUG.2015 17:10:09

**Highest Channel / 1RB**


Date: 23.AUG.2015 17:10:51

**Highest Channel / Full RB**


Date: 23.AUG.2015 17:10:34

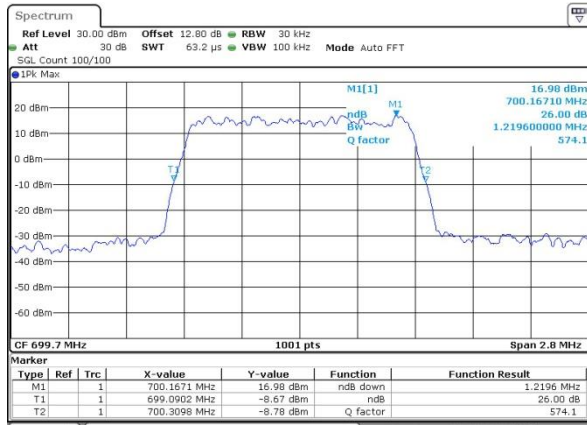
**26dB Bandwidth**

| Mode       | LTE Band 12 : 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  | 1.22                       | 1.23  | 3.06 | 3.07  | 4.78 | 4.82  | 9.77  | 9.73  | -     | -     | -     | -     |
| Middle CH  | 1.24                       | 1.22  | 3.00 | 3.06  | 4.92 | 4.91  | 9.91  | 9.71  | -     | -     | -     | -     |
| Highest CH | 1.22                       | 1.23  | 3.00 | 2.97  | 4.86 | 4.99  | 9.77  | 9.65  | -     | -     | -     | -     |



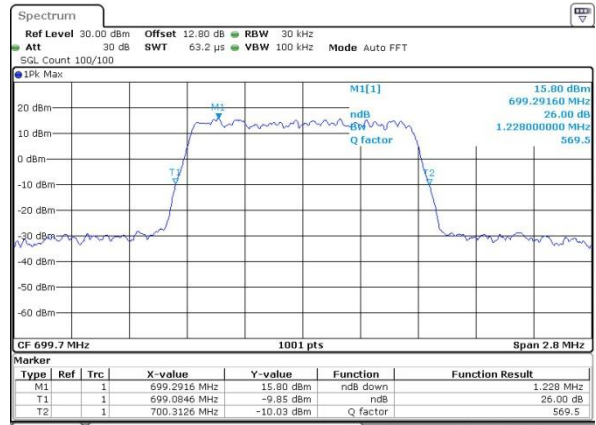
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



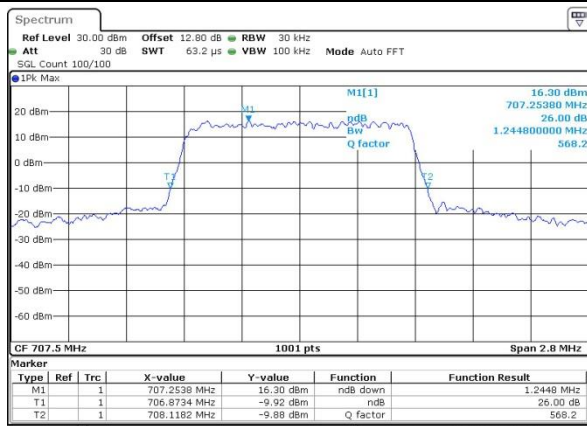
Date: 23.AUG.2015 14:43:01

## Lowest Channel / 1.4MHz / 16QAM



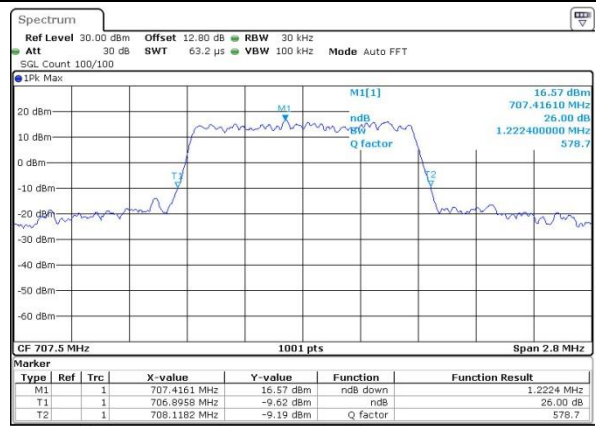
Date: 23.AUG.2015 14:42:50

## Middle Channel / 1.4MHz / QPSK



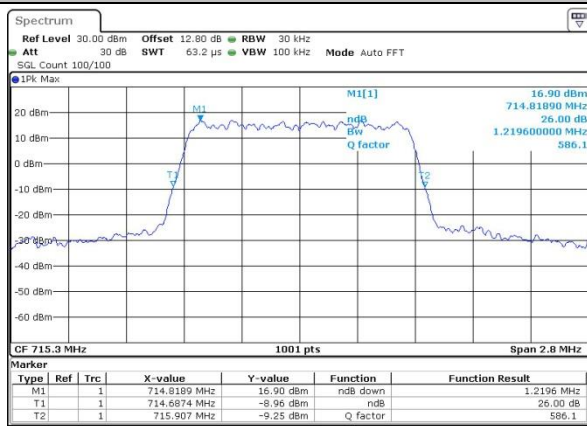
Date: 23.AUG.2015 14:53:10

## Middle Channel / 1.4MHz / 16QAM



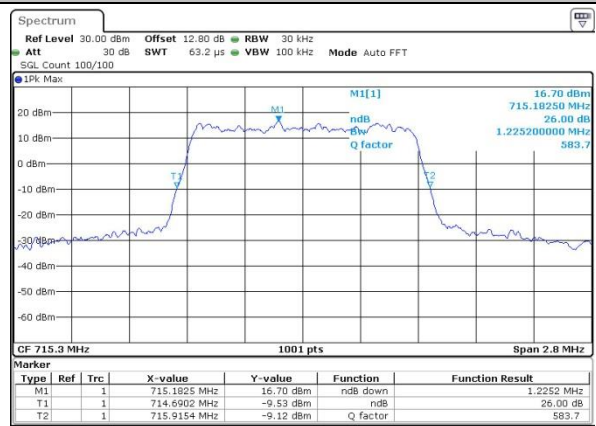
Date: 23.AUG.2015 14:53:22

## Highest Channel / 1.4MHz / QPSK



Date: 23.AUG.2015 14:56:05

## Highest Channel / 1.4MHz / 16QAM

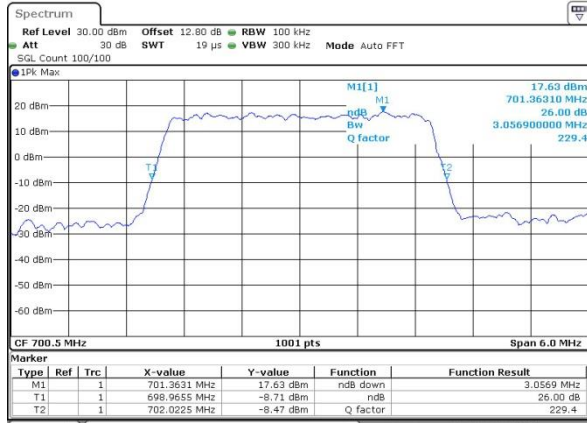


Date: 23.AUG.2015 14:55:53

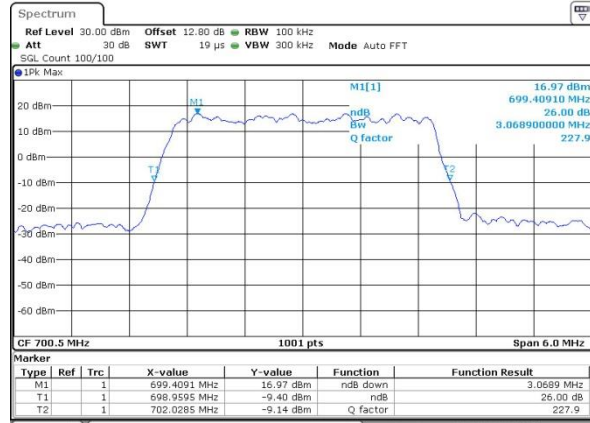


## LTE Band 12

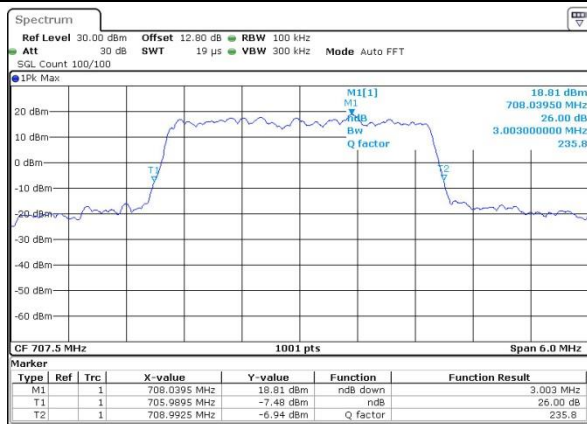
## Lowest Channel / 3MHz / QPSK



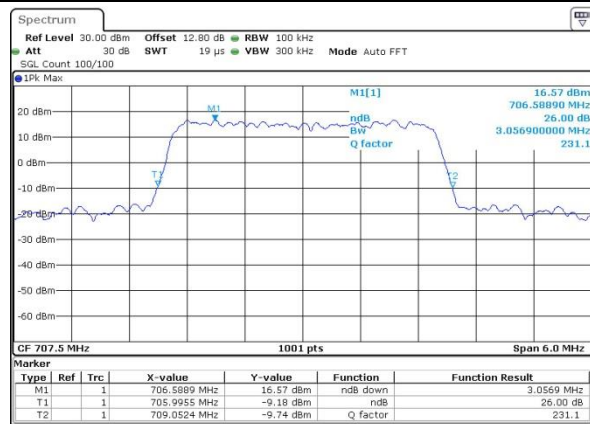
## Lowest Channel / 3MHz / 16QAM



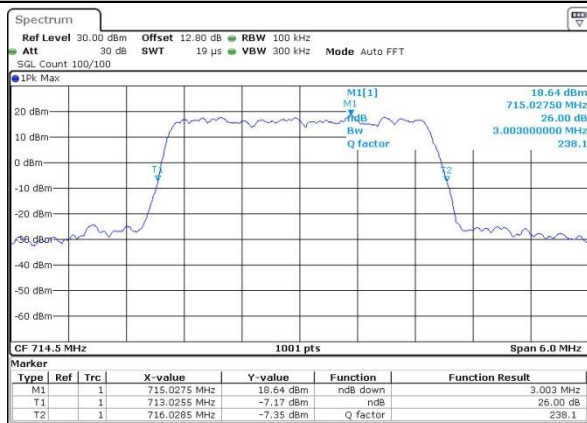
## Middle Channel / 3MHz / QPSK



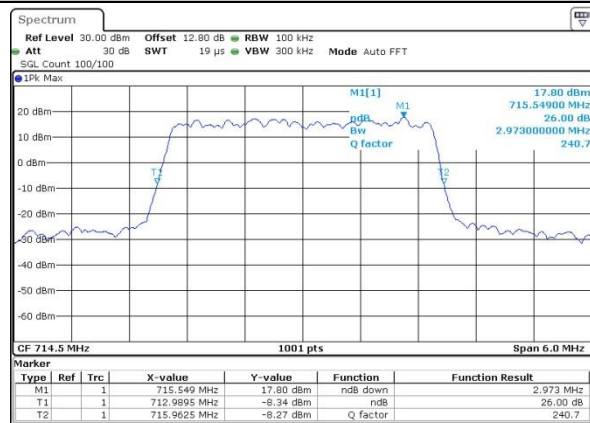
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



## Highest Channel / 3MHz / 16QAM

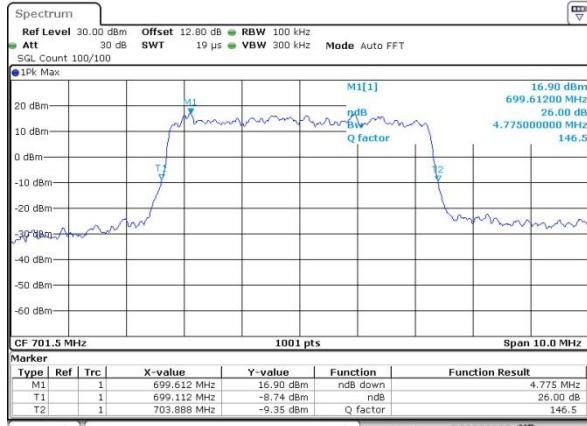






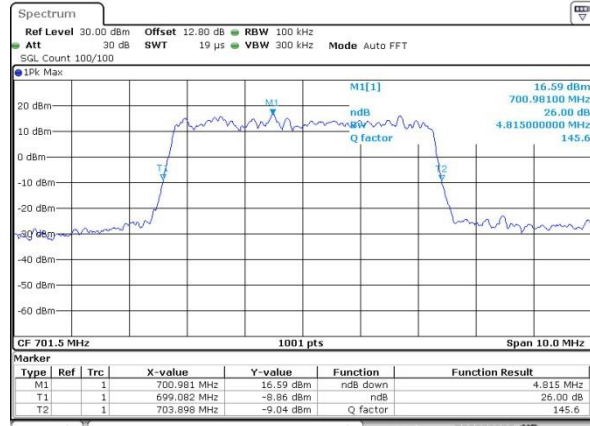
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



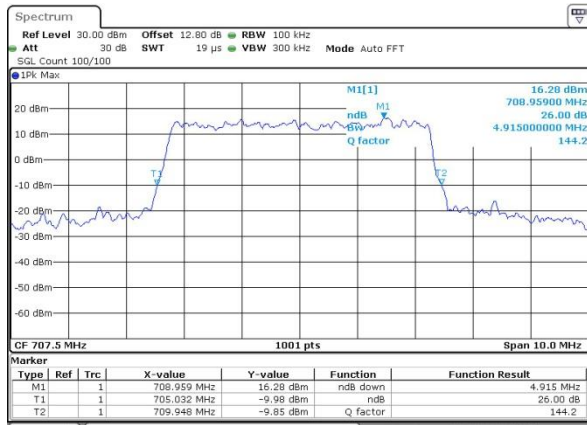
Date: 23.AUG.2015 15:29:49

## Lowest Channel / 5MHz / 16QAM



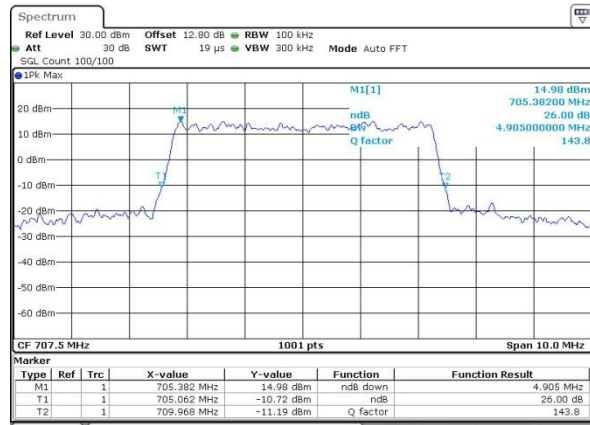
Date: 23.AUG.2015 15:29:37

## Middle Channel / 5MHz / QPSK



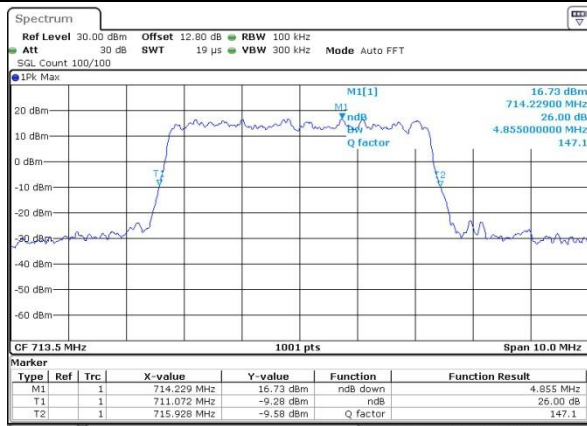
Date: 23.AUG.2015 15:39:57

## Middle Channel / 5MHz / 16QAM



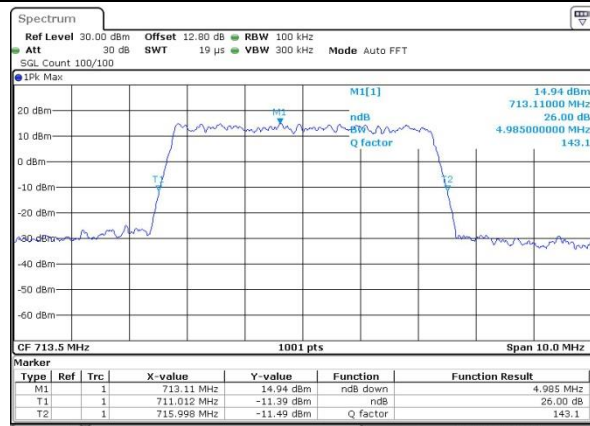
Date: 23.AUG.2015 15:40:09

## Highest Channel / 5MHz / QPSK



Date: 23.AUG.2015 15:42:52

## Highest Channel / 5MHz / 16QAM



Date: 23.AUG.2015 15:42:40