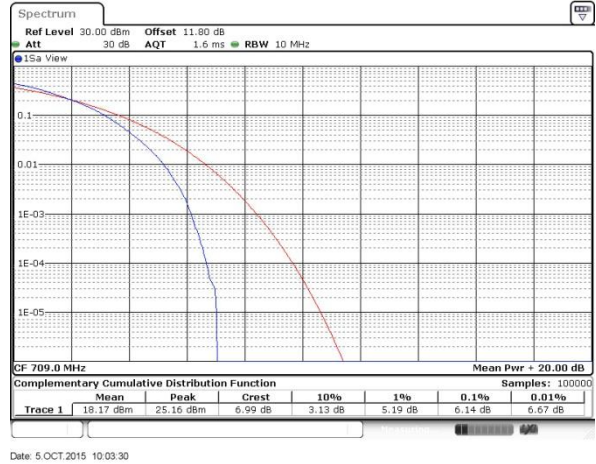
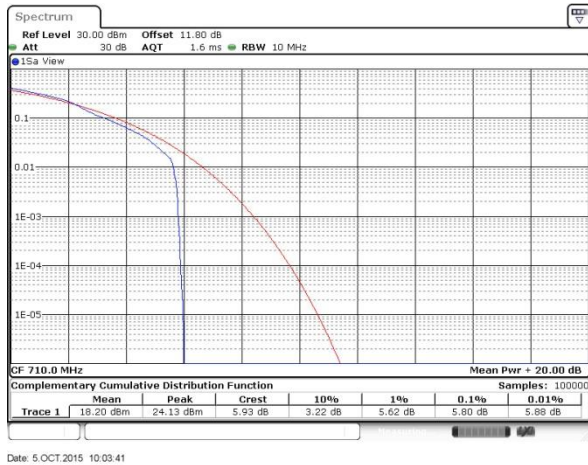
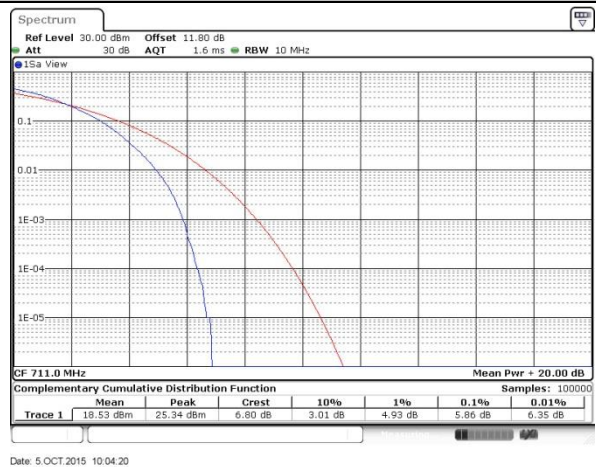


**LTE Band 17 / 10MHz / 16QAM**
**Lowest Channel / 1RB**

**Lowest Channel / Full RB**

**Middle Channel/ 1RB**

**Middle Channel / Full RB**

**Highest Channel/ 1RB**

**Highest Channel / Full RB**




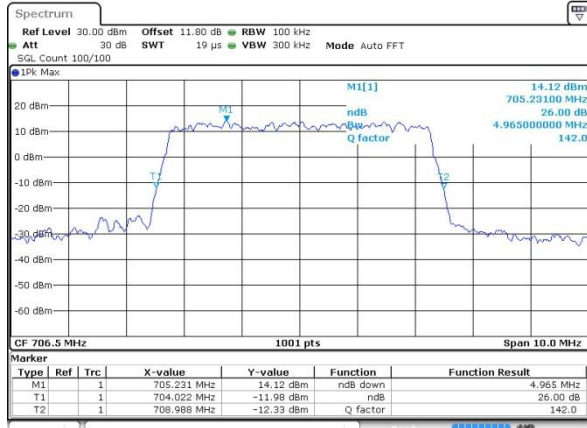
**26dB Bandwidth**

| Mode       | LTE Band 17 : 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  | -                          | -     | -    | -     | 4.97 | 4.91  | 9.85  | 9.73  | -     | -     | -     | -     |
| Middle CH  | -                          | -     | -    | -     | 4.91 | 4.84  | 9.83  | 9.83  | -     | -     | -     | -     |
| Highest CH | -                          | -     | -    | -     | 4.78 | 4.87  | 9.77  | 9.85  | -     | -     | -     | -     |

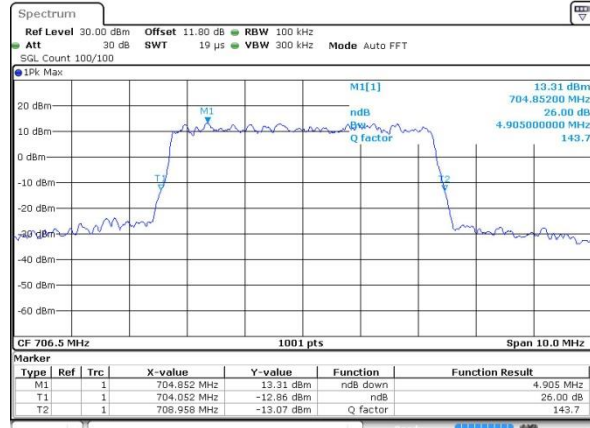


## LTE Band 17

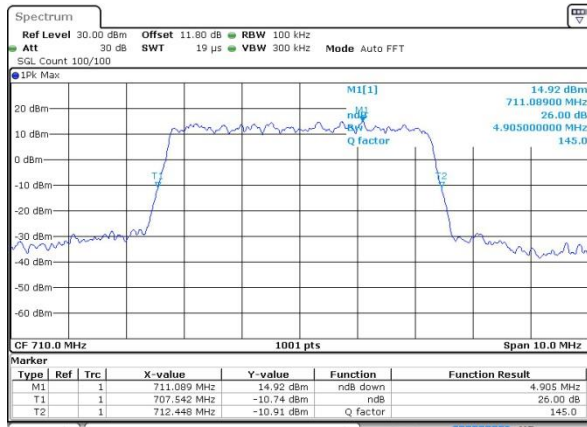
## Lowest Channel / 5MHz / QPSK



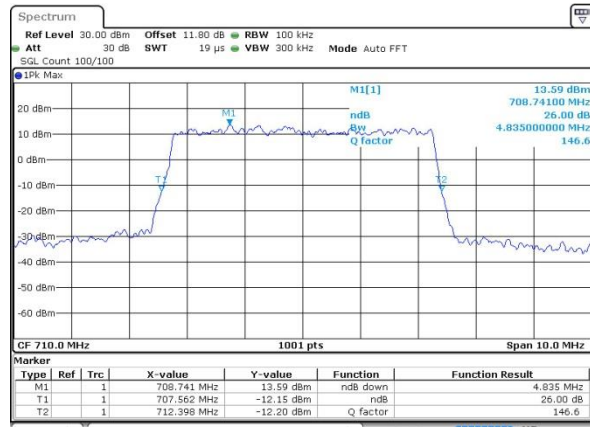
## Lowest Channel / 5MHz / 16QAM



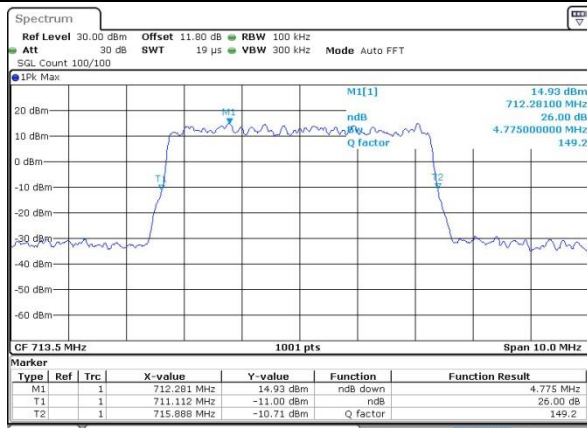
## Middle Channel / 5MHz / QPSK



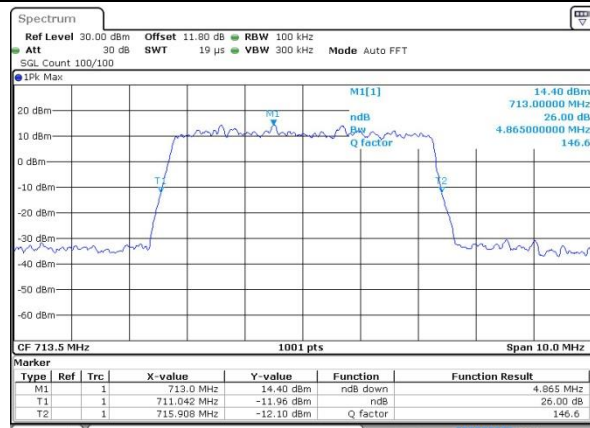
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



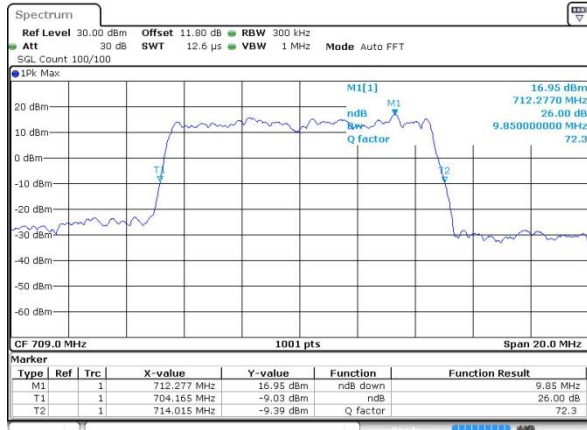
## Highest Channel / 5MHz / 16QAM





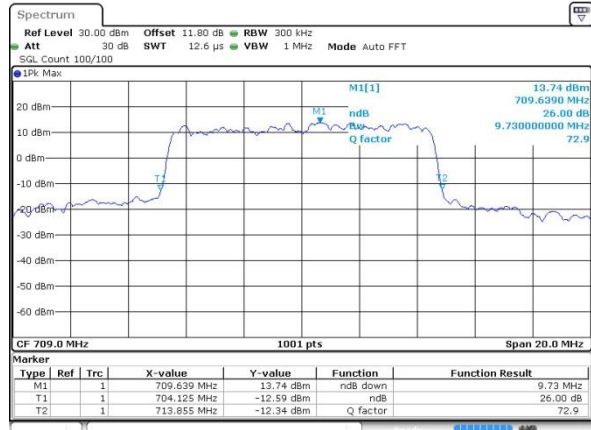
## LTE Band 17

## Lowest Channel / 10MHz / QPSK



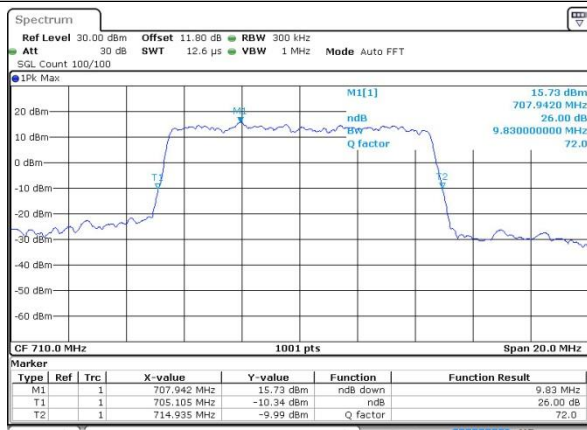
Date: 5.OCT.2015 09:40:20

## Lowest Channel / 10MHz / 16QAM



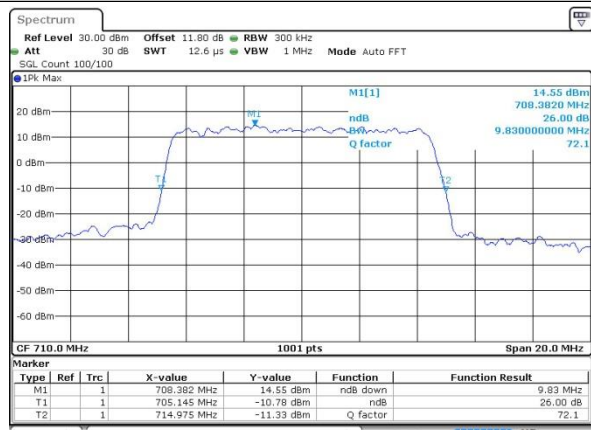
Date: 5.OCT.2015 09:40:31

## Middle Channel / 10MHz / QPSK



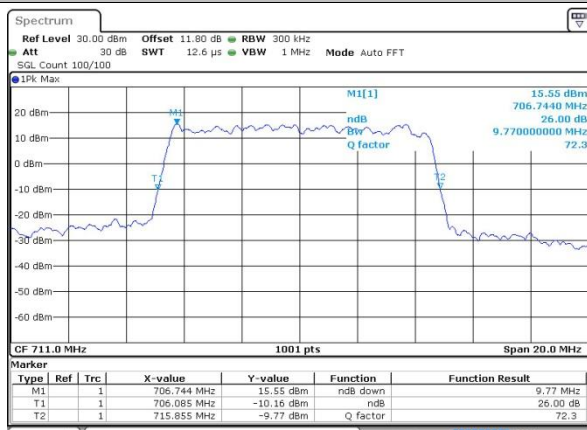
Date: 5.OCT.2015 09:50:28

## Middle Channel / 10MHz / 16QAM



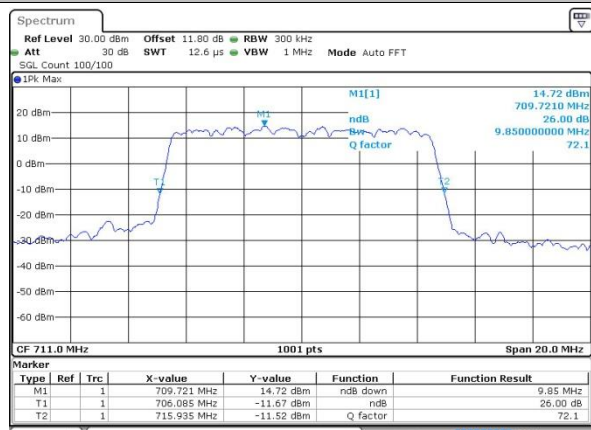
Date: 5.OCT.2015 09:50:39

## Highest Channel / 10MHz / QPSK



Date: 5.OCT.2015 09:52:59

## Highest Channel / 10MHz / 16QAM



Date: 5.OCT.2015 09:53:10



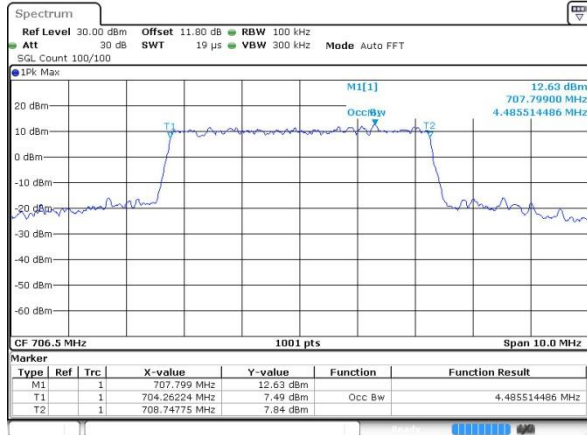
## Occupied Bandwidth

| Mode       | LTE Band 17 : 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  | -                         | -     | -    | -     | 4.49 | 4.5   | 9.03  | 8.97  | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.49 | 4.48  | 8.99  | 9.05  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.5  | 4.48  | 9.01  | 8.97  | -     | -     | -     | -     |

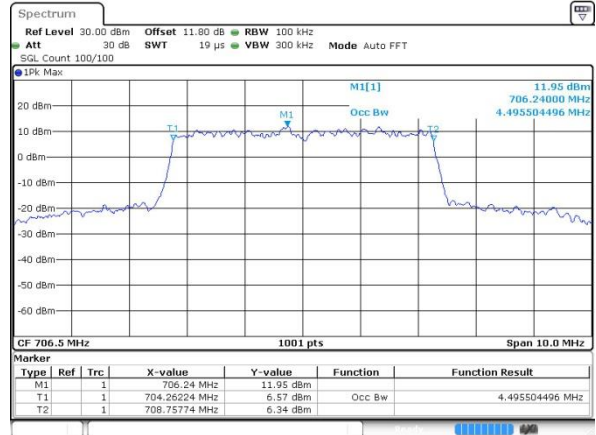


## LTE Band 17

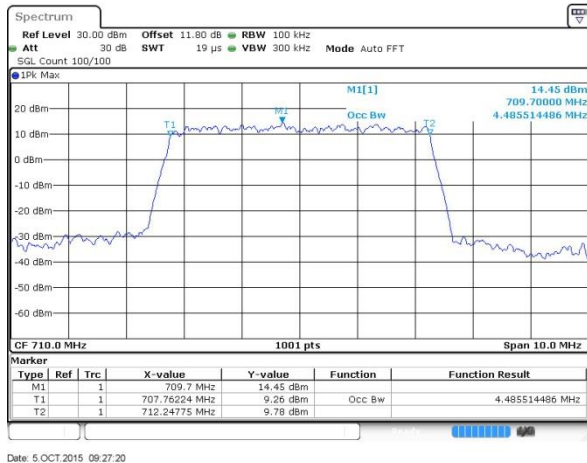
## Lowest Channel / 5MHz / QPSK



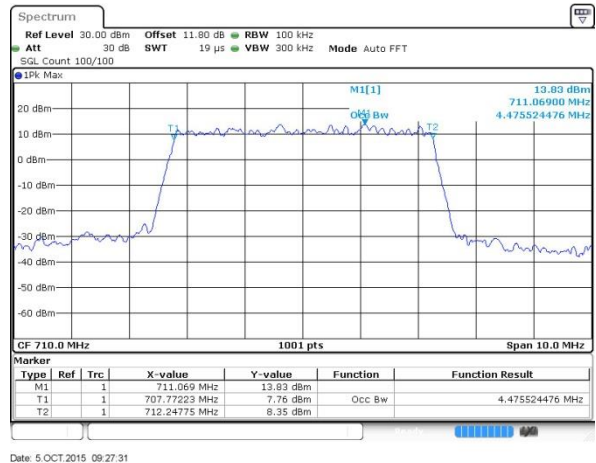
## Lowest Channel / 5MHz / 16QAM



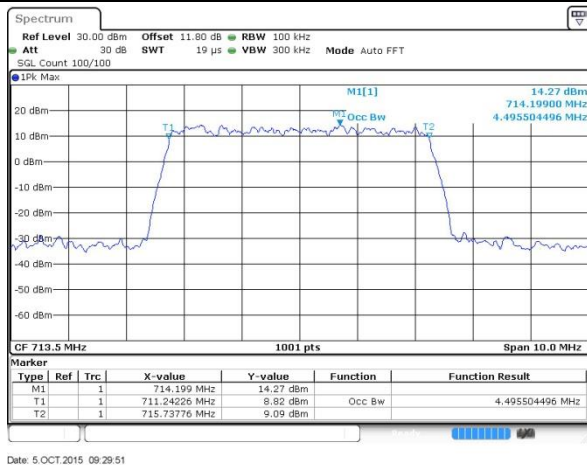
## Middle Channel / 5MHz / QPSK



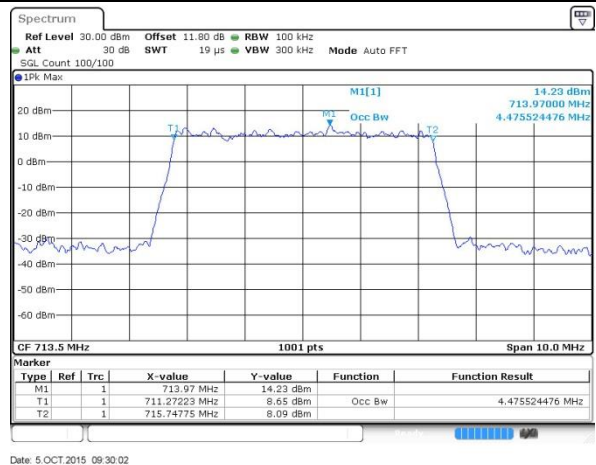
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



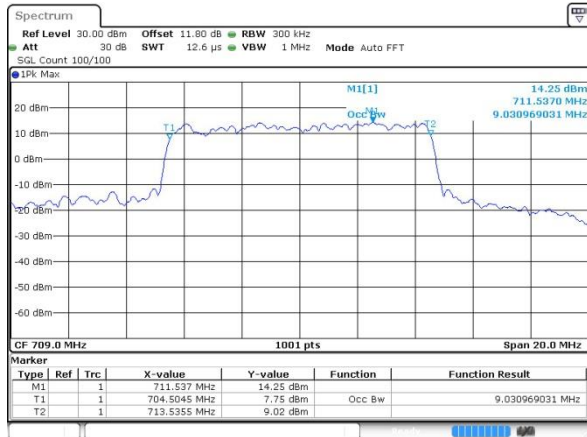
## Highest Channel / 5MHz / 16QAM



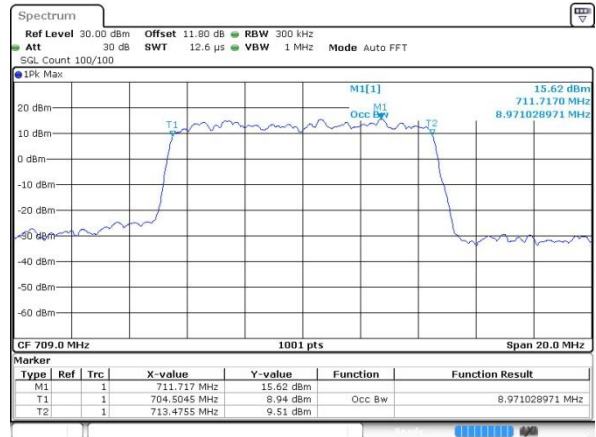


## LTE Band 17

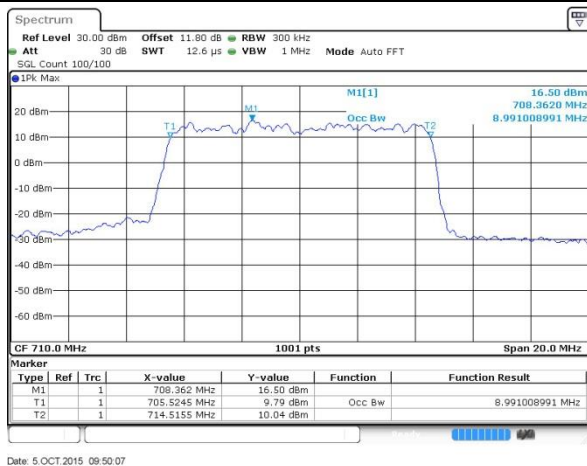
## Lowest Channel / 10MHz / QPSK



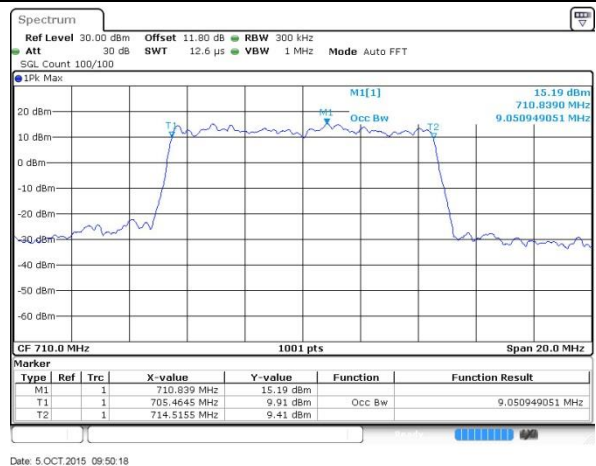
## Lowest Channel / 10MHz / 16QAM



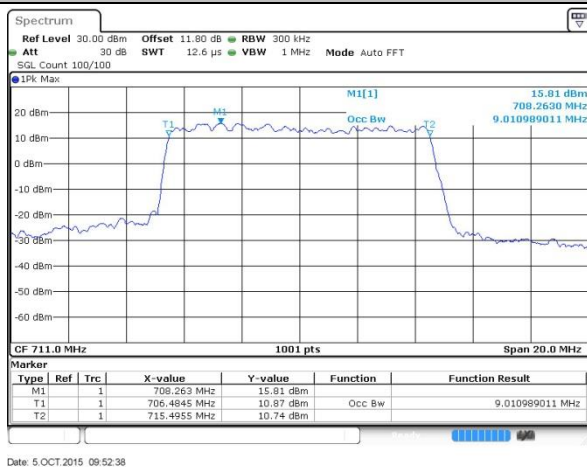
## Middle Channel / 10MHz / QPSK



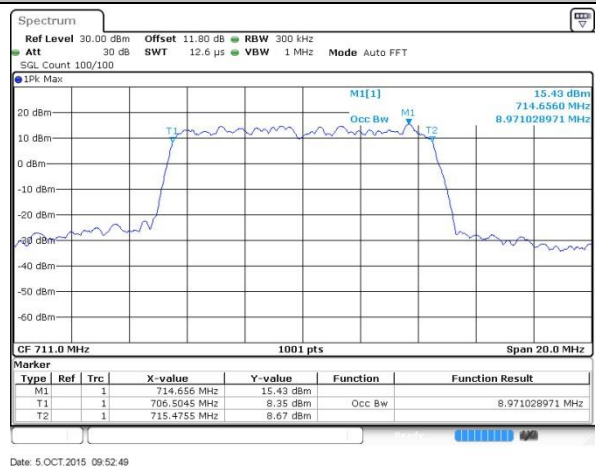
## Middle Channel / 10MHz / 16QAM

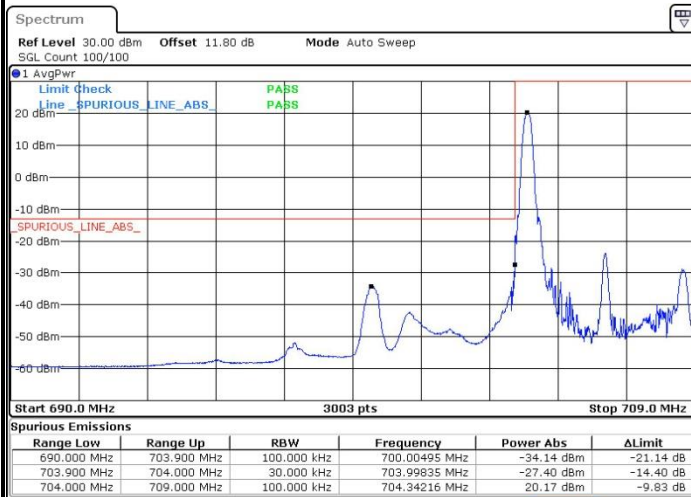


## Highest Channel / 10MHz / QPSK



## Highest Channel / 10MHz / 16QAM

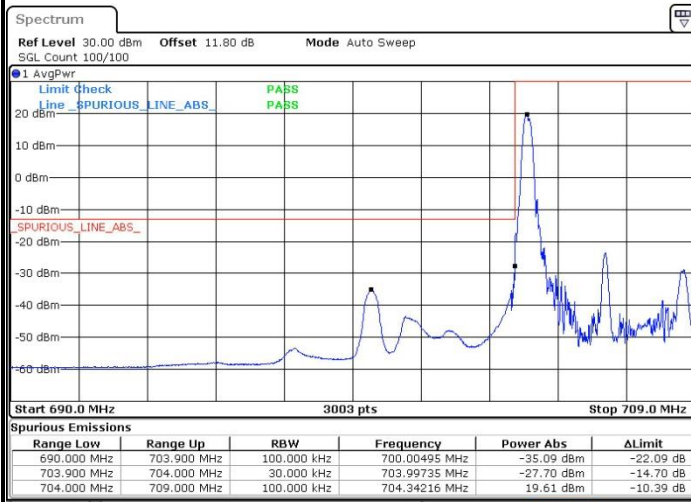


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

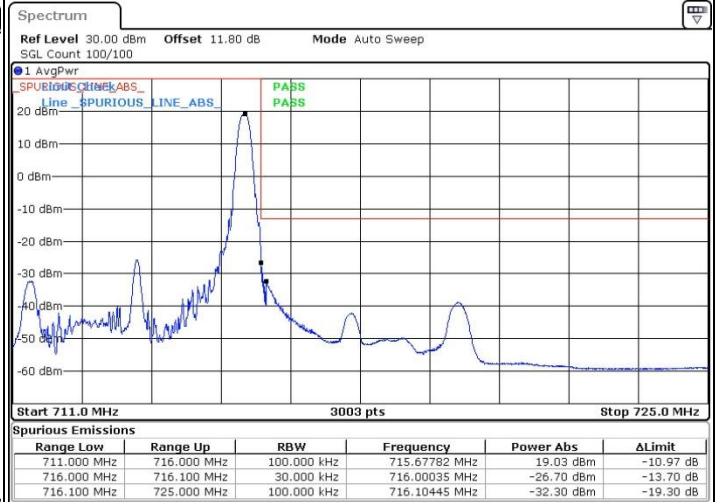


## LTE Band 17 / 5MHz / 16QAM

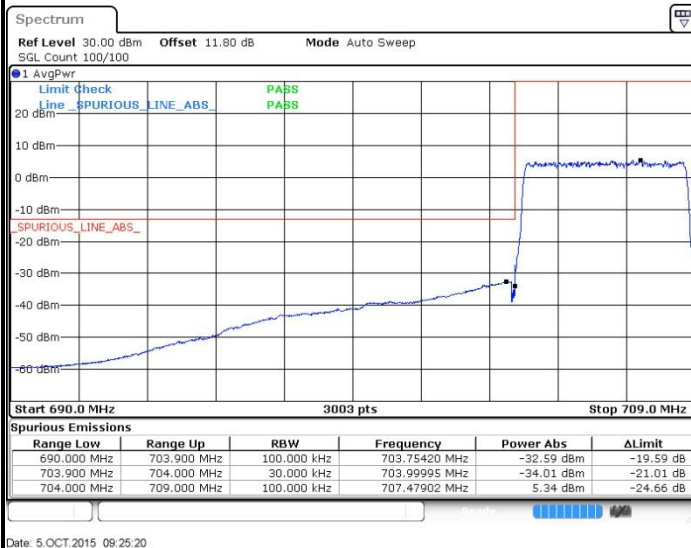
## Lowest Band Edge / 1 RB



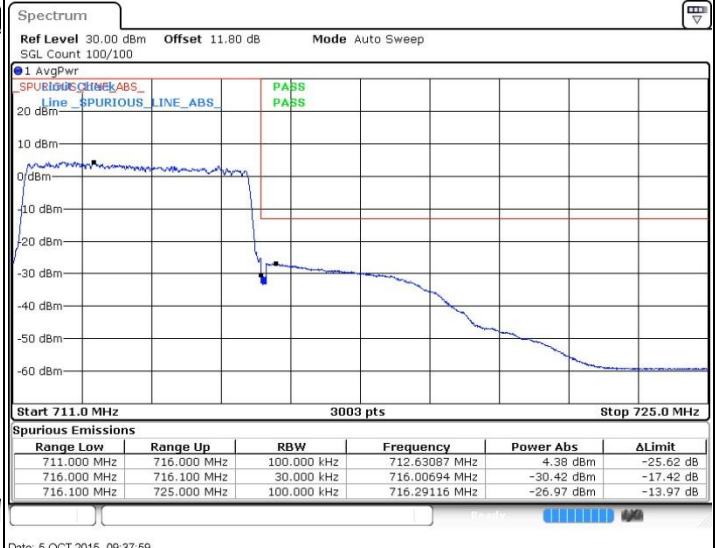
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



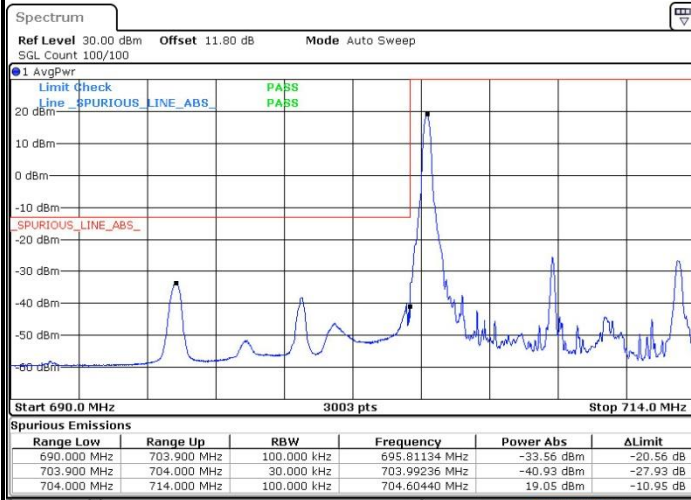
## Highest Band Edge / Full RB



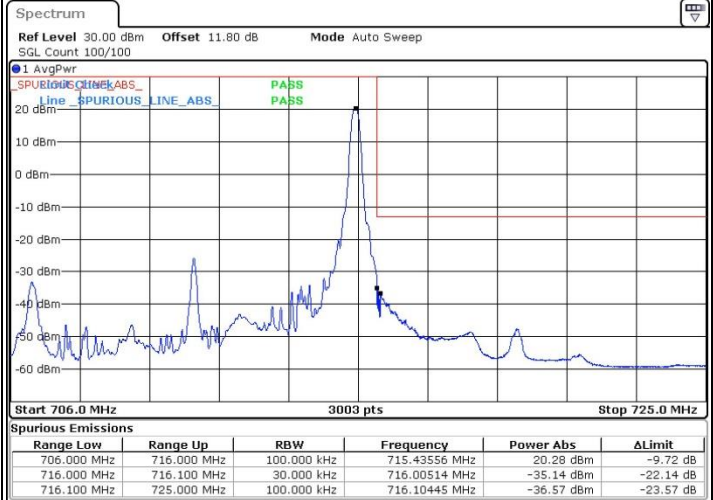


## LTE Band 17 / 10MHz / QPSK

## Lowest Band Edge / 1 RB



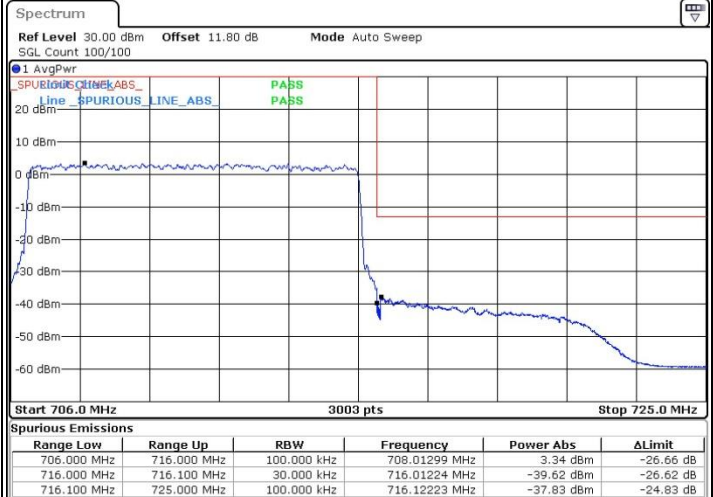
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



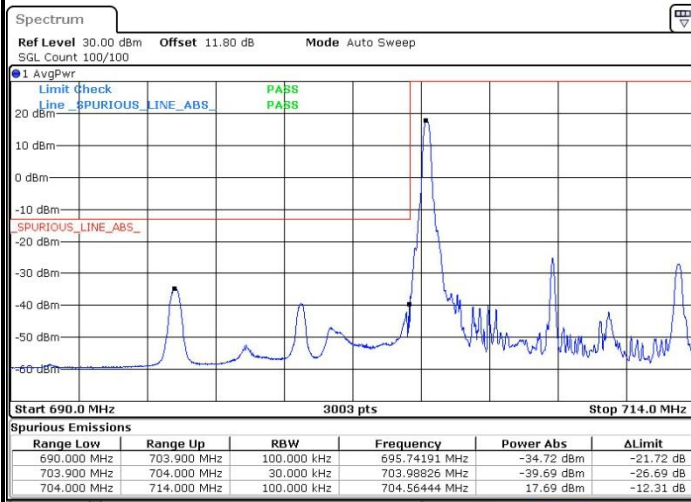
## Highest Band Edge / Full RB



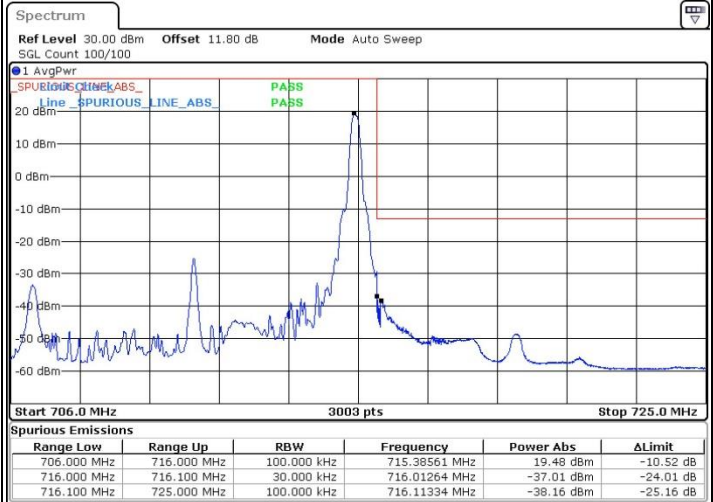


## LTE Band 17 / 10MHz / 16QAM

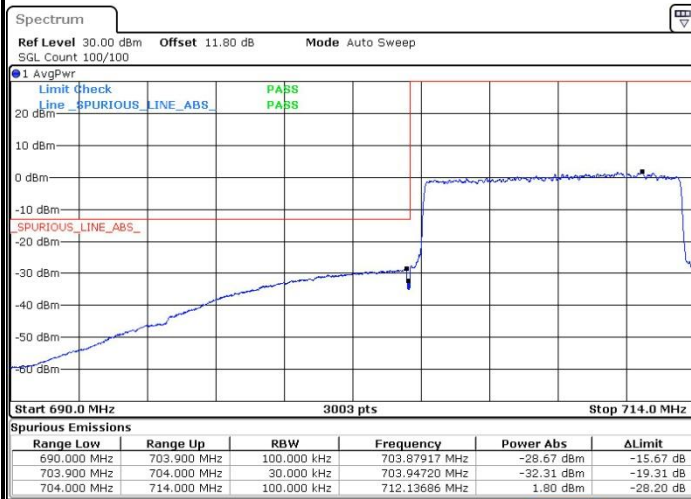
## Lowest Band Edge / 1 RB



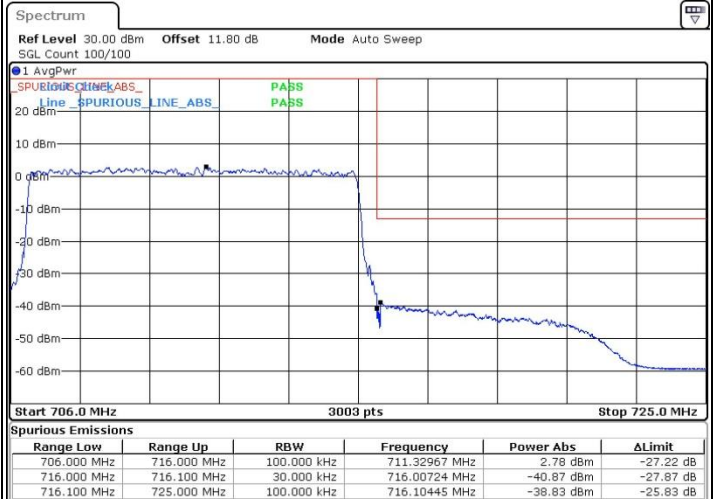
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB

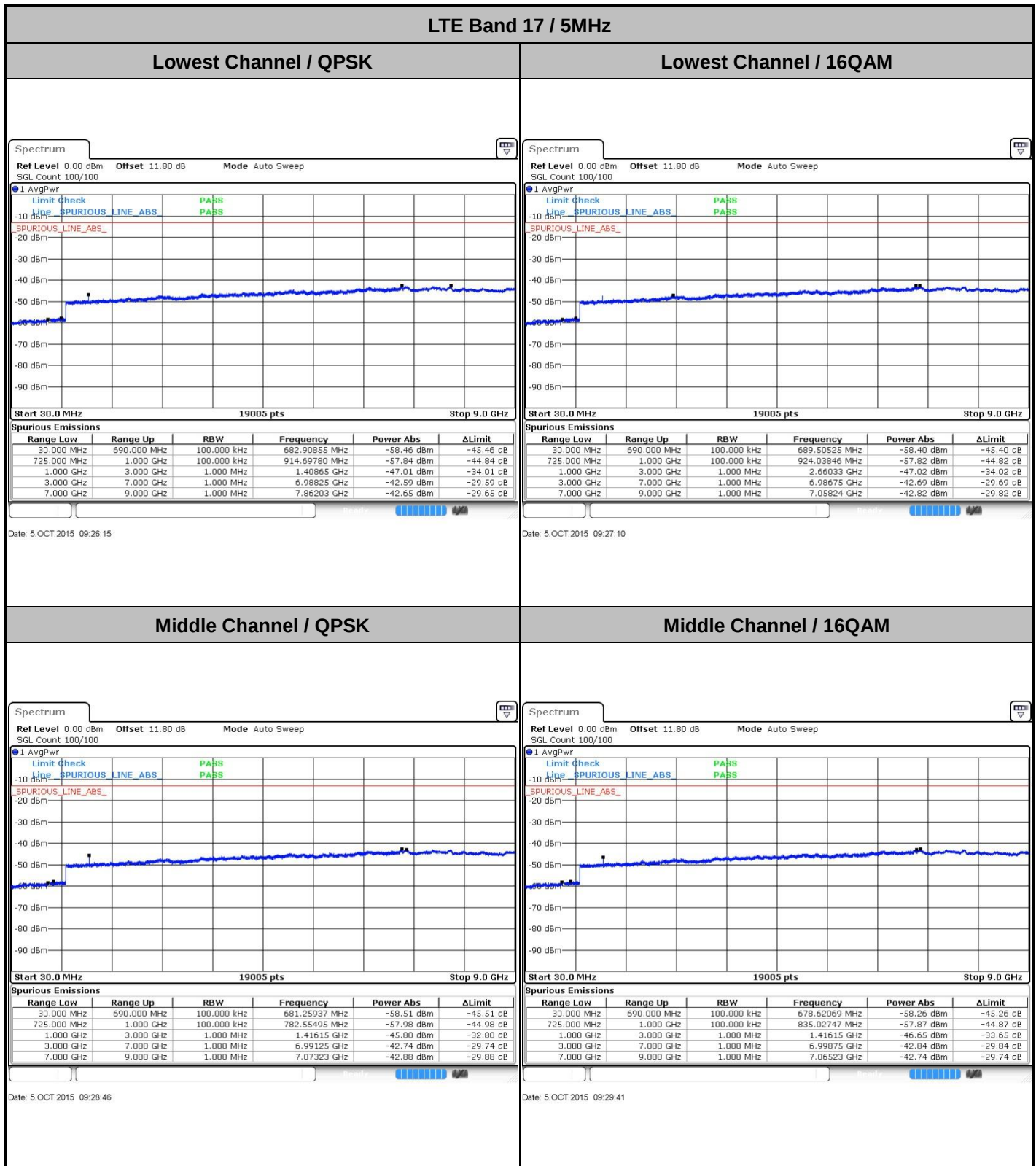


## Highest Band Edge / Full RB





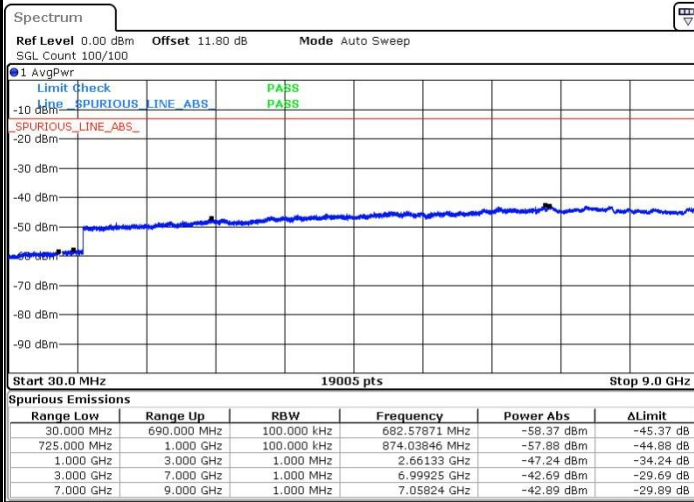
## Conducted Spurious Emission





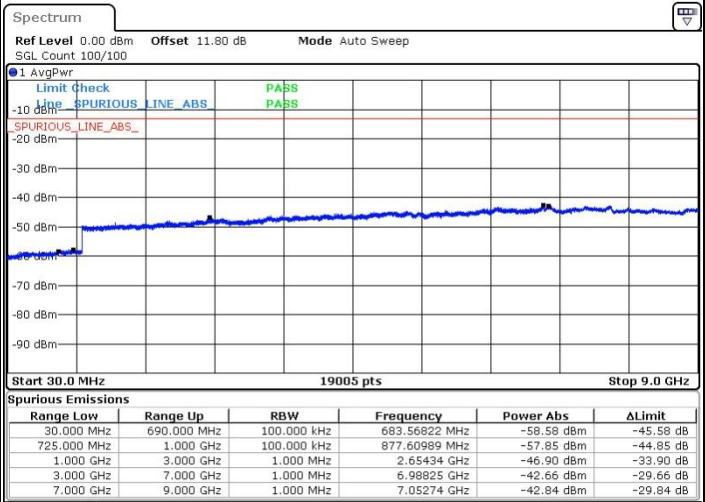
## LTE Band 17 / 5MHz

## Highest Channel / QPSK



Date: 5.OCT.2015 09:38:54

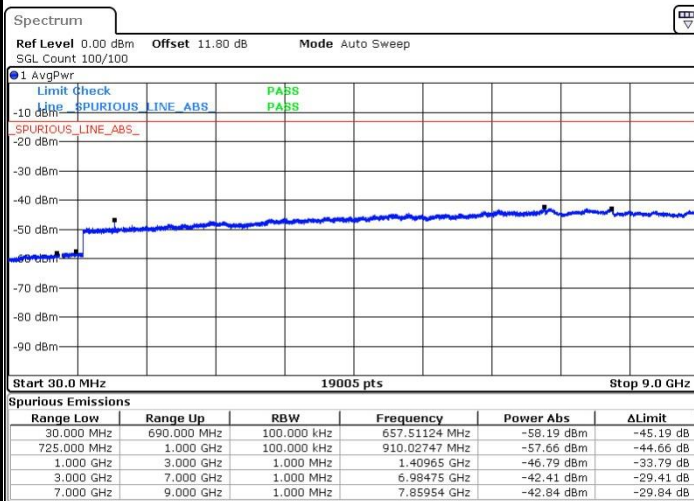
## Highest Channel / 16QAM



Date: 5.OCT.2015 09:39:49

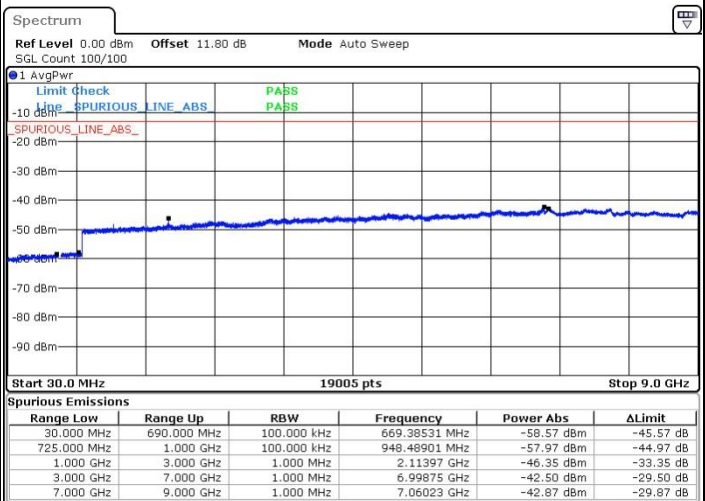
## LTE Band 17 / 10MHz

## Lowest Channel / QPSK



Date: 5.OCT.2015 09:49:02

## Lowest Channel / 16QAM

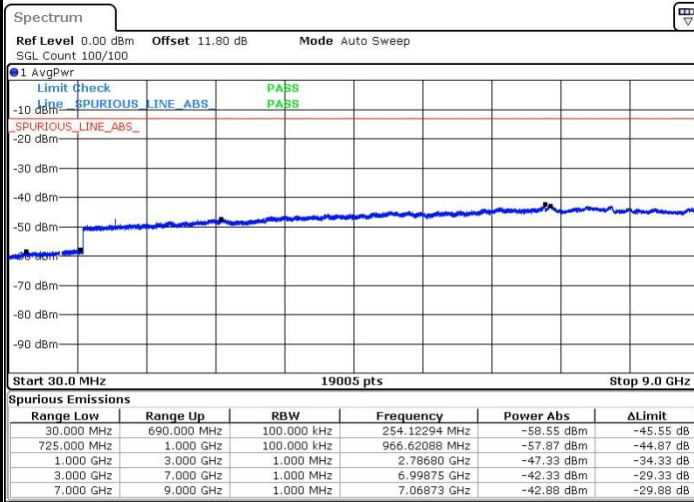


Date: 5.OCT.2015 09:49:57



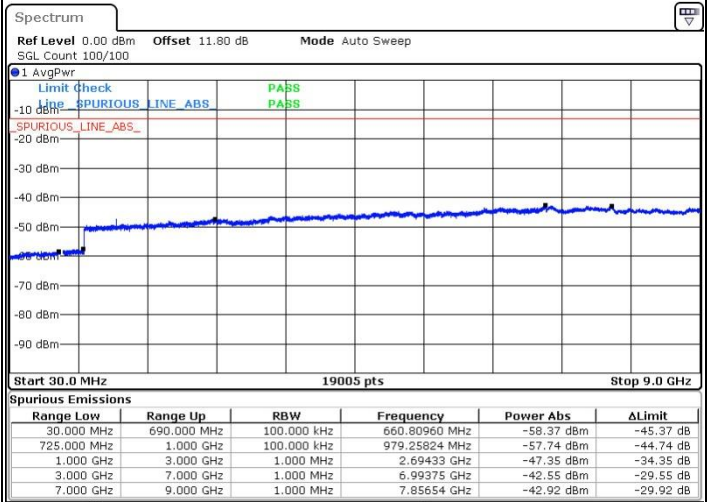
## LTE Band 17 / 10MHz

## Middle Channel / QPSK



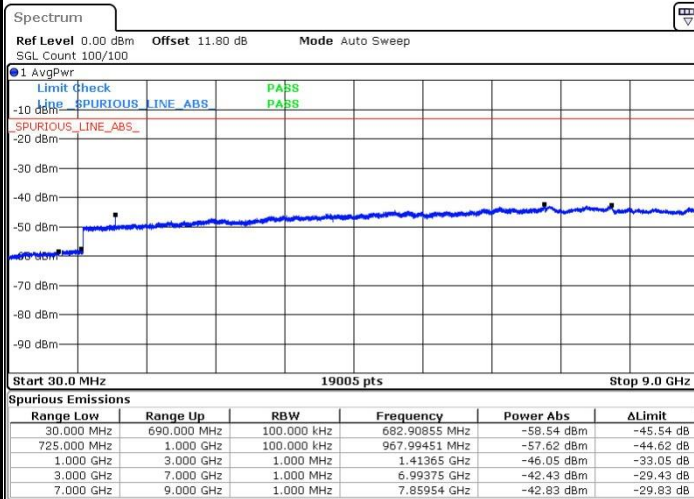
Date: 5.OCT.2015 09:51:33

## Middle Channel / 16QAM



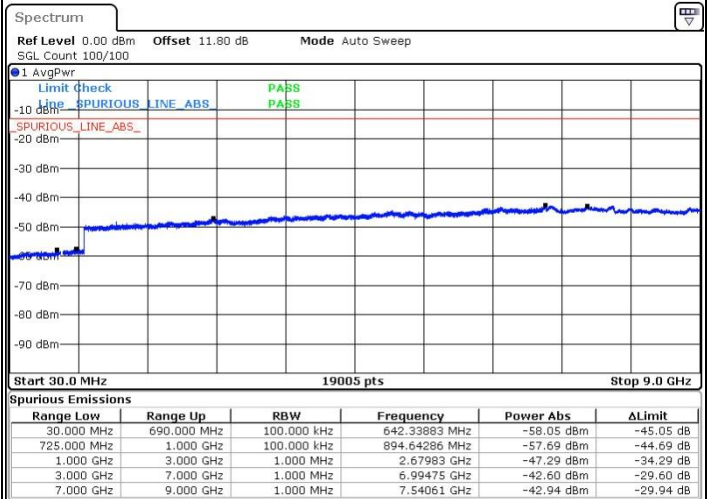
Date: 5.OCT.2015 09:52:28

## Highest Channel / QPSK



Date: 5.OCT.2015 10:01:42

## Highest Channel / 16QAM



Date: 5.OCT.2015 10:02:36

## 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    | 0.0128                              | PASS    |
| 40               | Normal Voltage    | 0.0135                              |         |
| 30               | Normal Voltage    | 0.0037                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0028                              |         |
| 0                | Normal Voltage    | 0.0039                              |         |
| -10              | Normal Voltage    | 0.0111                              |         |
| -20              | Normal Voltage    | 0.0114                              |         |
| -30              | Normal Voltage    | 0.0104                              |         |
| 20               | Maximum Voltage   | 0.0035                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0137                              |         |

**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 41

### Peak-to-Average Ratio

| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 2.78                | 4.12    | 3.59  | 6.09    | PASS        |
| Middle CH  | 3.13                | 3.68    | 3.16  | 6.29    |             |
| Highest CH | 2.81                | 4.29    | 4     | 4.78    |             |