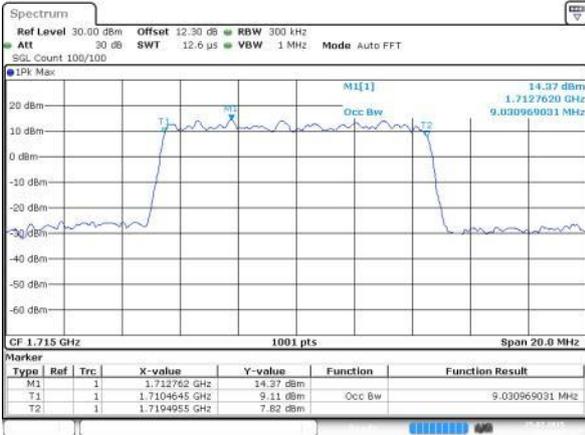




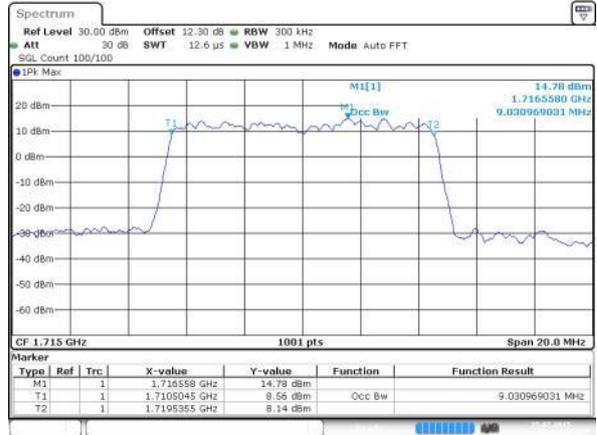
LTE Band 4

Lowest Channel / 10MHz / QPSK



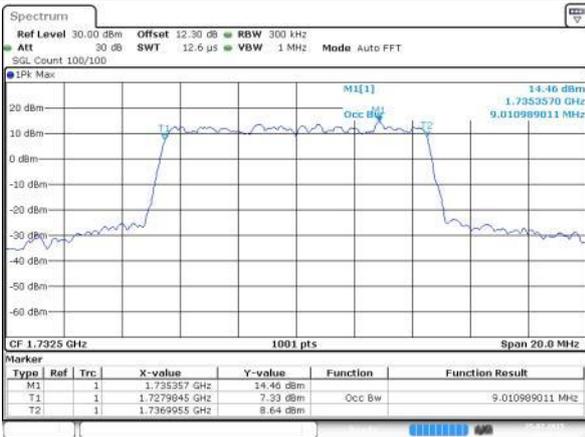
Date: 25.JUL.2015 07:49:10

Lowest Channel / 10MHz / 16QAM



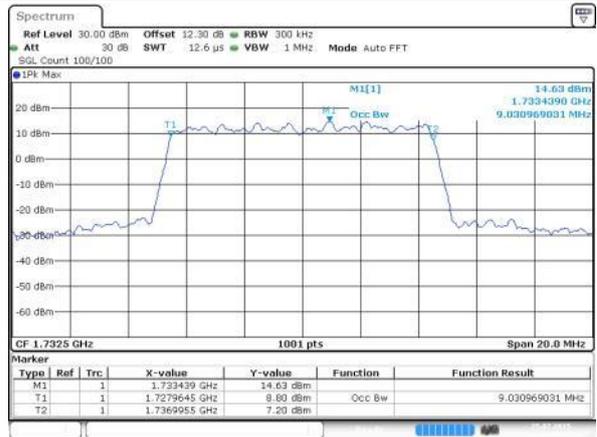
Date: 25.JUL.2015 07:49:20

Middle Channel / 10MHz / QPSK



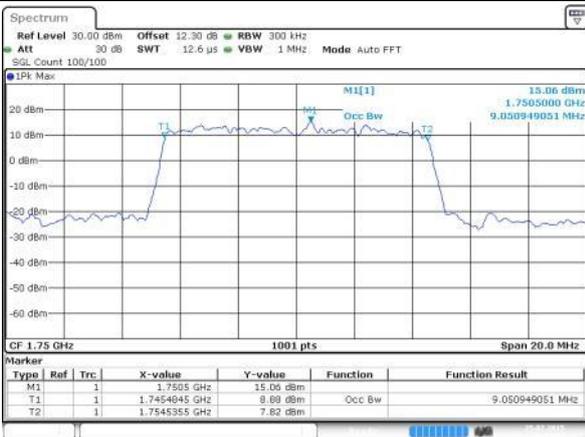
Date: 25.JUL.2015 07:56:19

Middle Channel / 10MHz / 16QAM



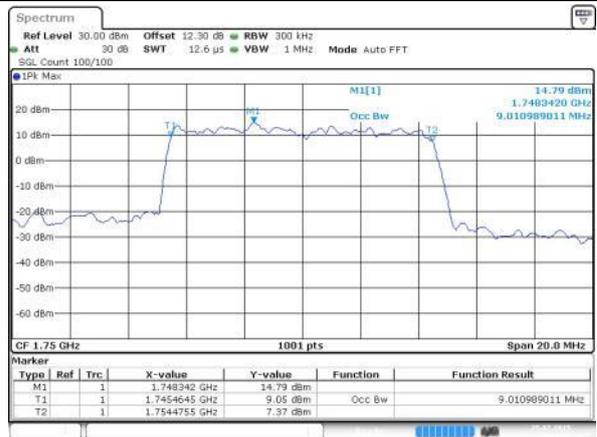
Date: 25.JUL.2015 07:56:29

Highest Channel / 10MHz / QPSK



Date: 25.JUL.2015 07:58:50

Highest Channel / 10MHz / 16QAM

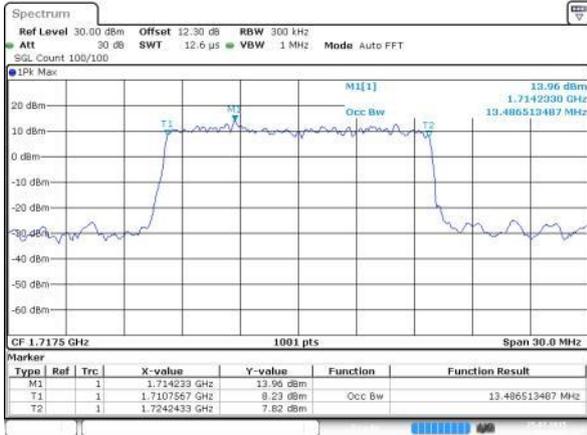


Date: 25.JUL.2015 07:59:01



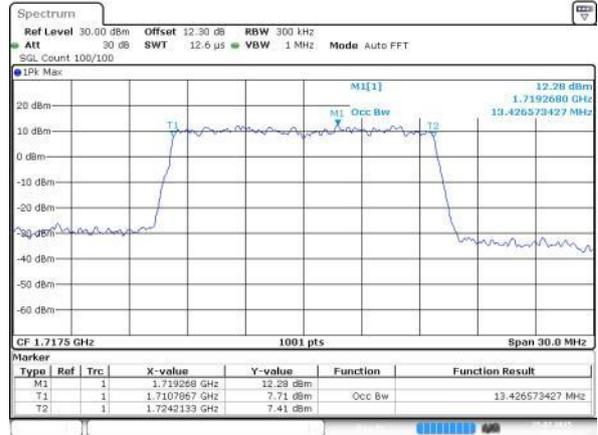
LTE Band 4

Lowest Channel / 15MHz / QPSK



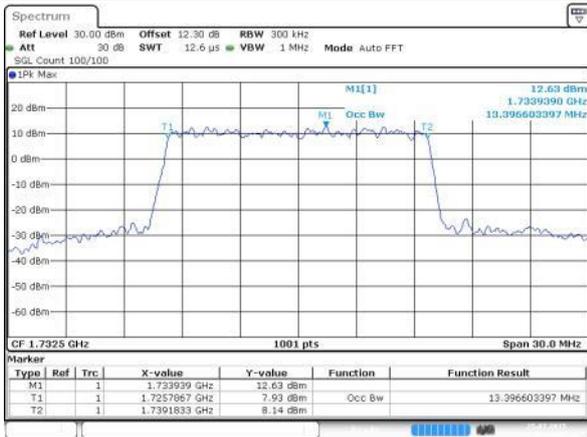
Date: 25 JUL 2015 08:05:59

Lowest Channel / 15MHz / 16QAM



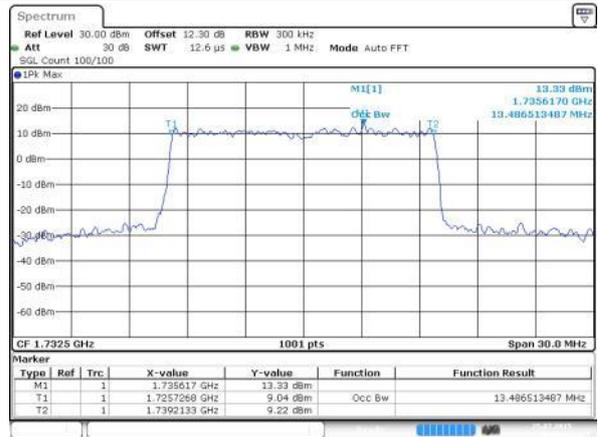
Date: 25 JUL 2015 08:06:09

Middle Channel / 15MHz / QPSK



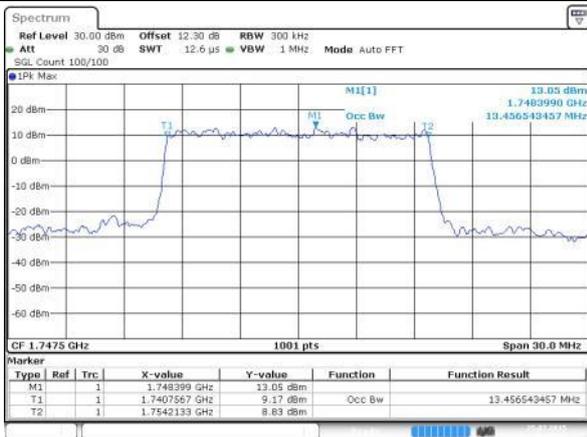
Date: 25 JUL 2015 08:13:08

Middle Channel / 15MHz / 16QAM



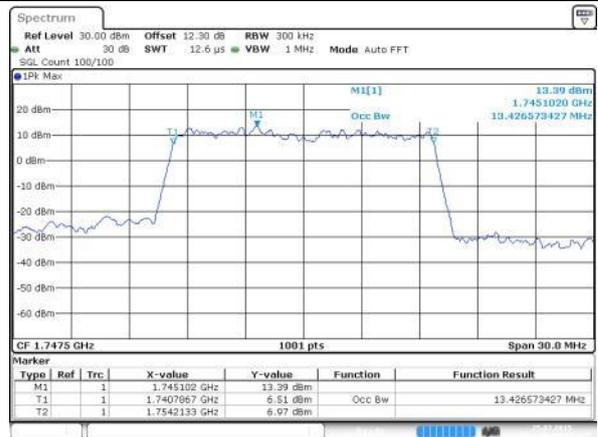
Date: 25 JUL 2015 08:13:18

Highest Channel / 15MHz / QPSK



Date: 25 JUL 2015 08:15:39

Highest Channel / 15MHz / 16QAM

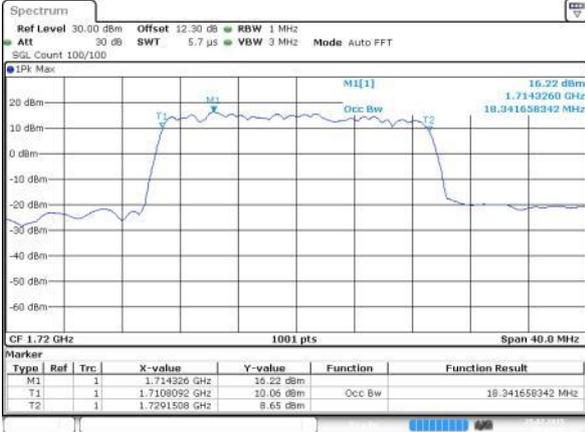


Date: 25 JUL 2015 08:15:49



LTE Band 4

Lowest Channel / 20MHz / QPSK



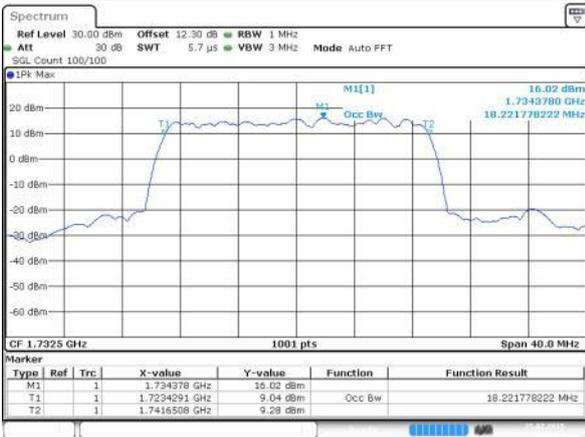
Date: 25 JUL 2015 08:22:47

Lowest Channel / 20MHz / 16QAM



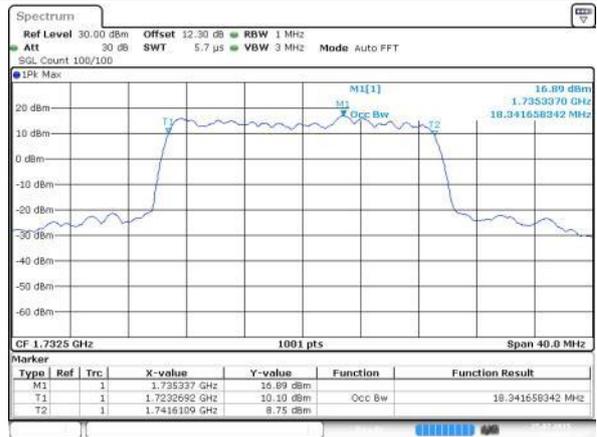
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Middle Channel / 20MHz / QPSK



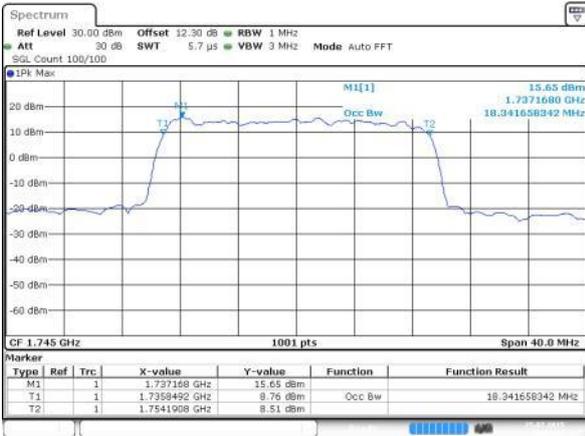
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Middle Channel / 20MHz / 16QAM



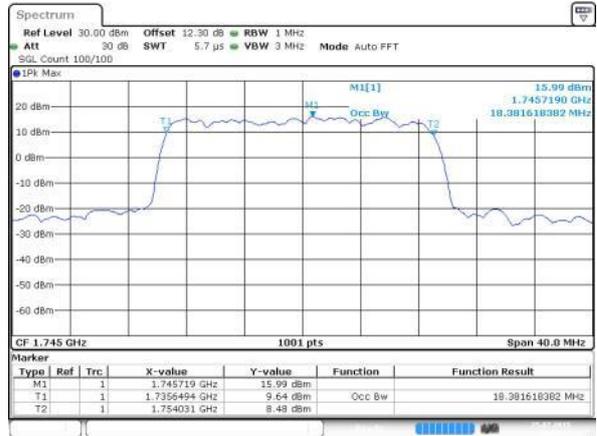
Date: 25 JUL 2015 08:30:05

Highest Channel / 20MHz / QPSK



Date: 25 JUL 2015 08:32:27

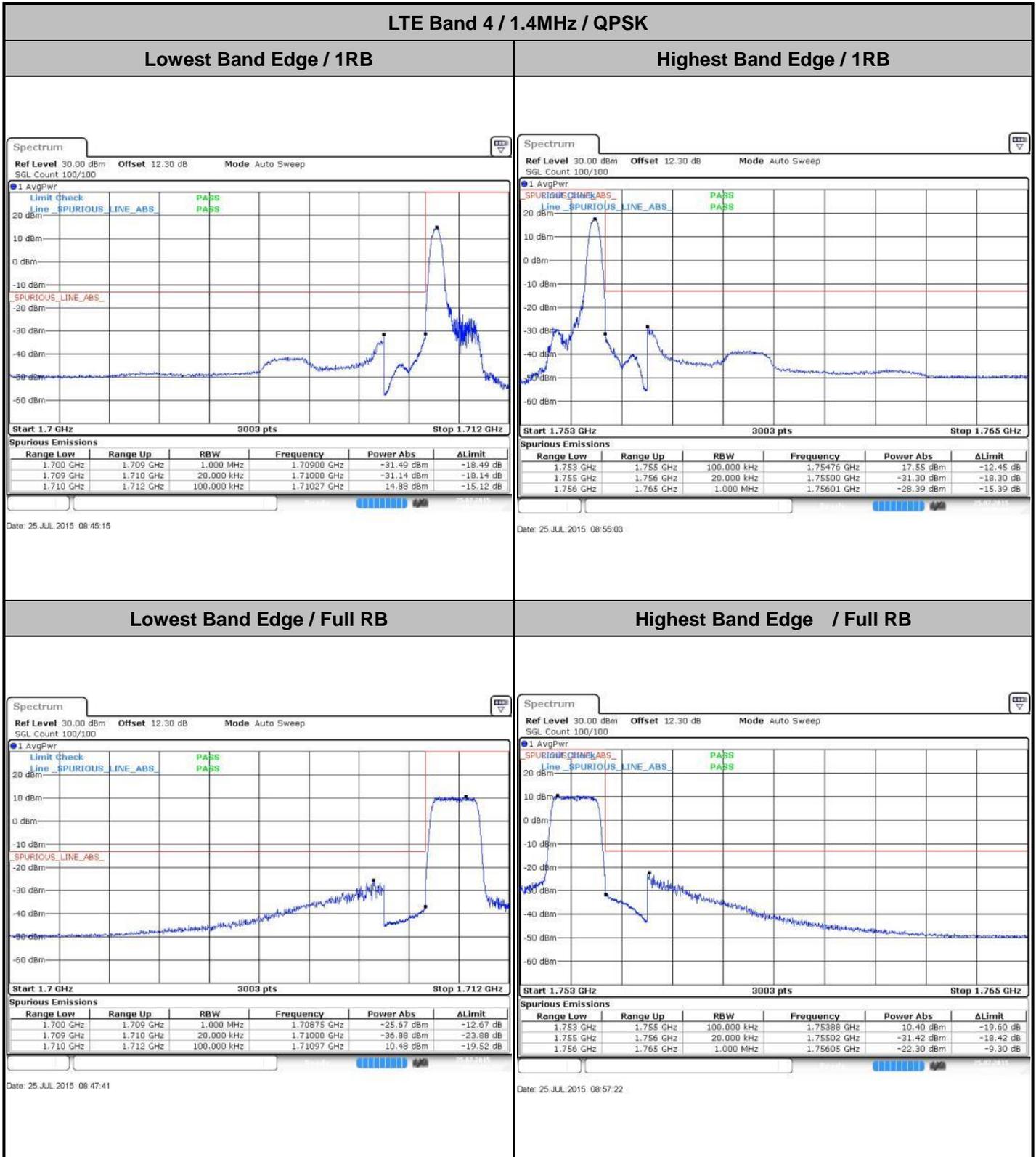
Highest Channel / 20MHz / 16QAM



Date: 25 JUL 2015 08:32:37



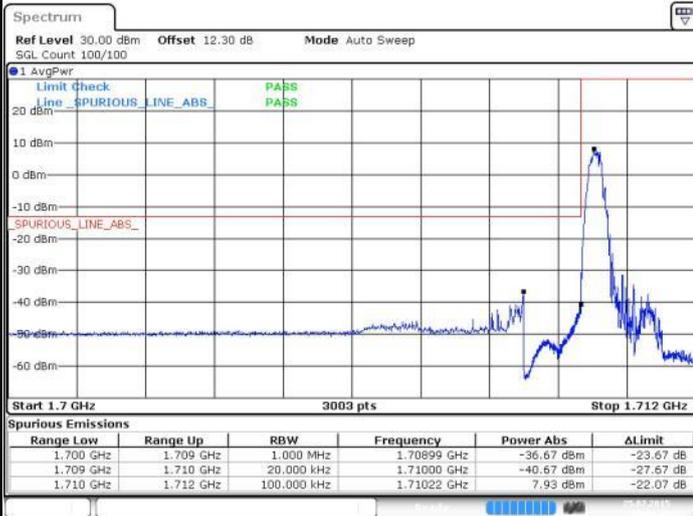
# Conducted Band Edge





LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 25.JUL.2015 08:46:24

Highest Band Edge / 1 RB



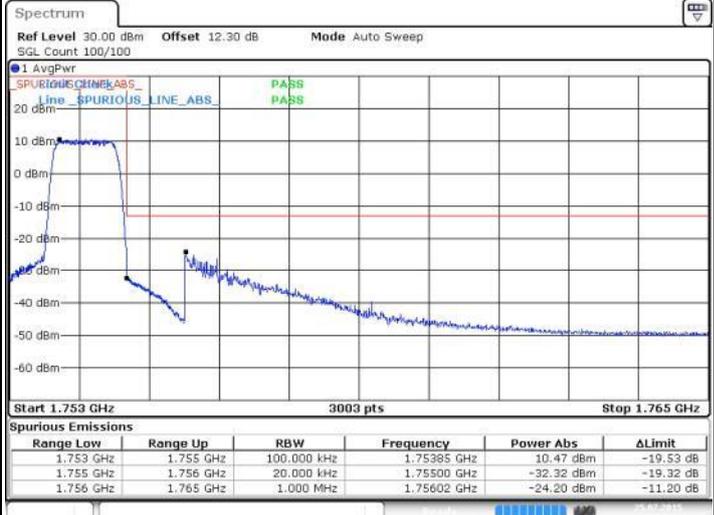
Date: 25.JUL.2015 08:56:13

Lowest Band Edge / Full RB



Date: 25.JUL.2015 08:48:51

Highest Band Edge / Full RB

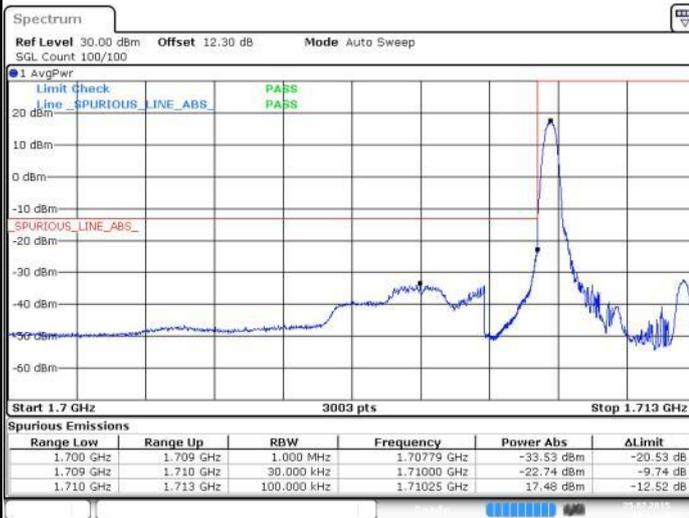


Date: 25.JUL.2015 08:58:31



LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 25.JUL.2015 07:14:17

Highest Band Edge / 1 RB



Date: 25.JUL.2015 07:26:52

Lowest Band Edge / Full RB



Date: 25.JUL.2015 07:16:36

Highest Band Edge / Full RB

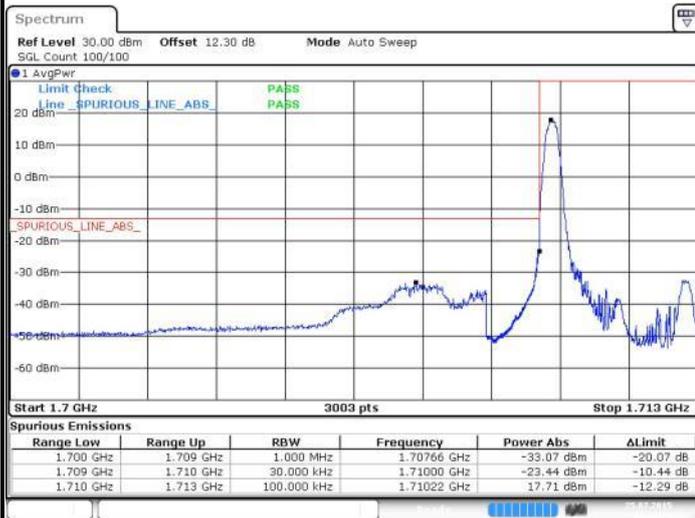


Date: 25.JUL.2015 07:29:10

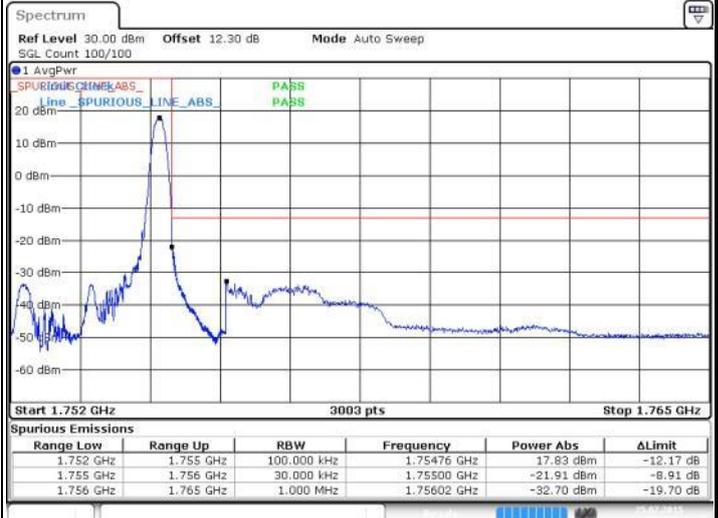


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



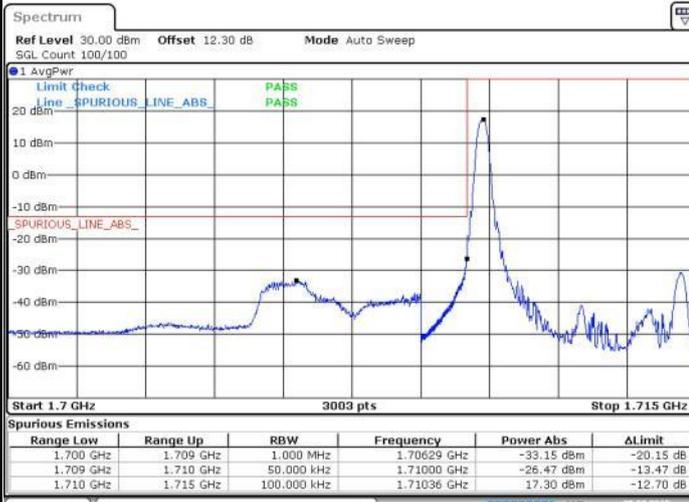
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 25.JUL.2015 07:34:01

Highest Band Edge / 1 RB



Date: 25.JUL.2015 07:43:41

Lowest Band Edge / Full RB



Date: 25.JUL.2015 07:36:19

Highest Band Edge / Full RB

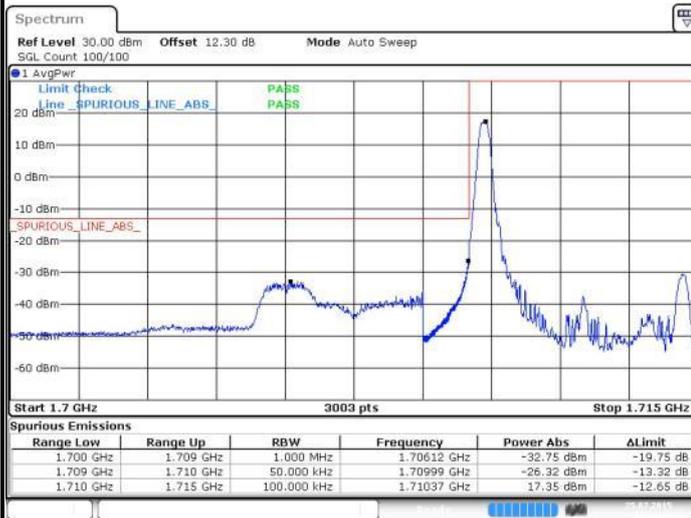


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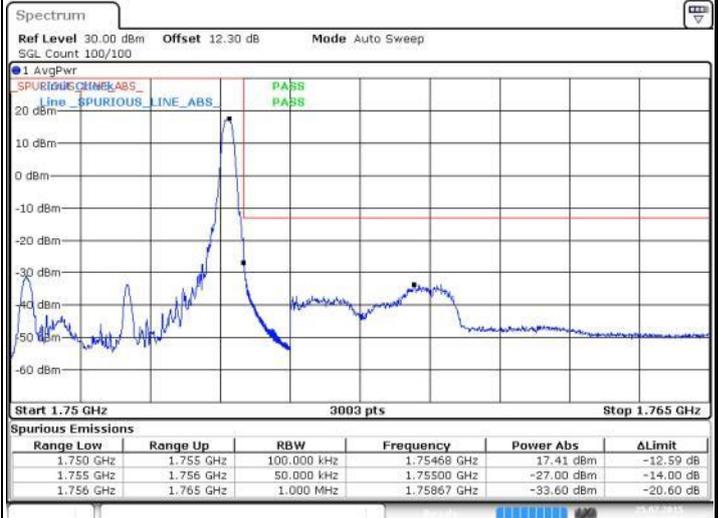
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



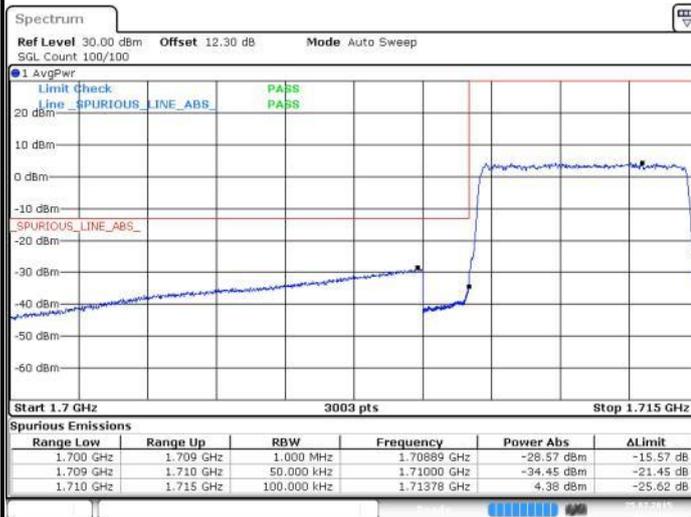
Date: 25.JUL.2015 07:35:10

Highest Band Edge / 1 RB



Date: 25.JUL.2015 07:44:50

Lowest Band Edge / Full RB



Date: 25.JUL.2015 07:37:29

Highest Band Edge / Full RB

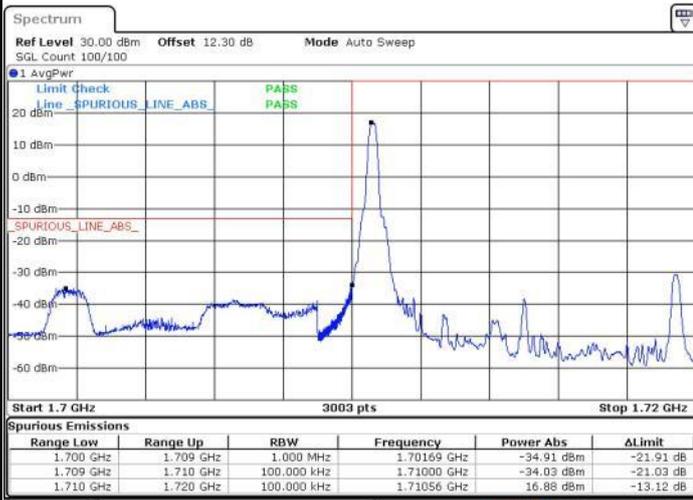


Date: 25.JUL.2015 07:47:09



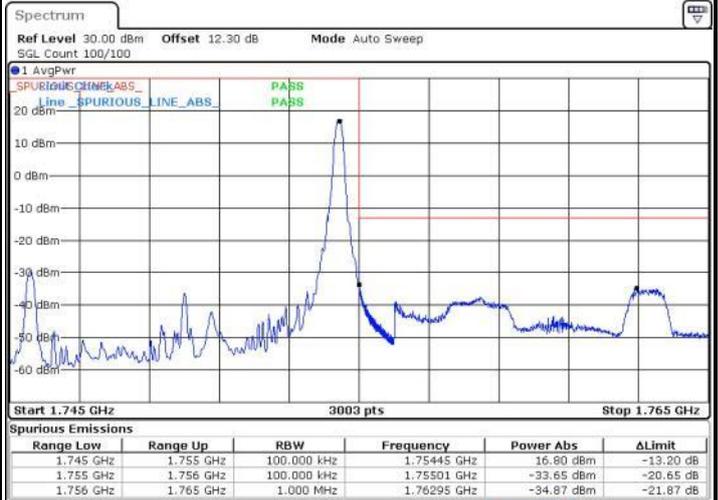
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



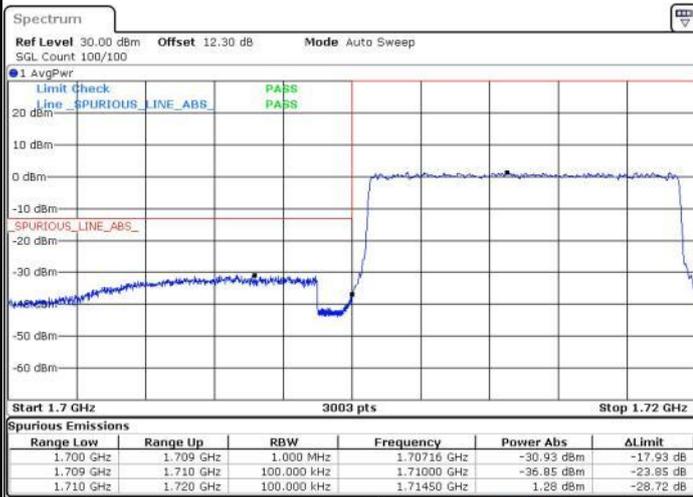
Date: 25.JUL.2015 07:50:50

Highest Band Edge / 1 RB



Date: 25.JUL.2015 08:00:30

Lowest Band Edge / Full RB



Date: 25.JUL.2015 07:53:09

Highest Band Edge / Full RB

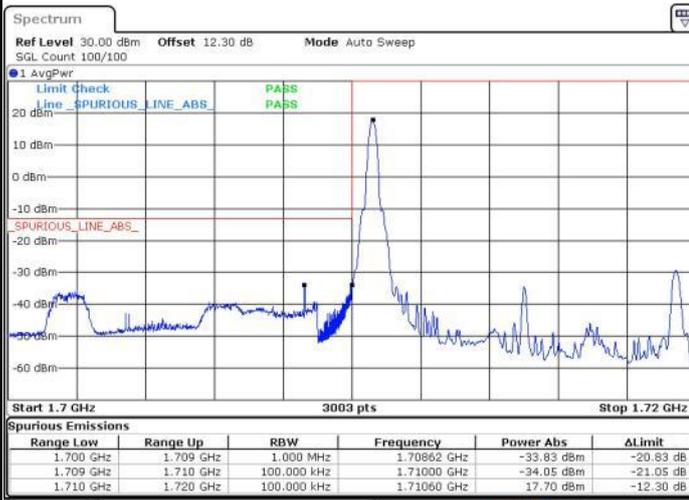


Date: 25.JUL.2015 08:02:49



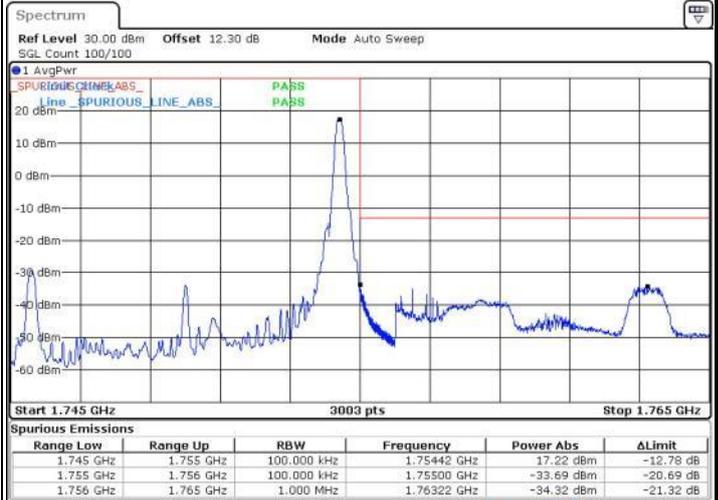
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



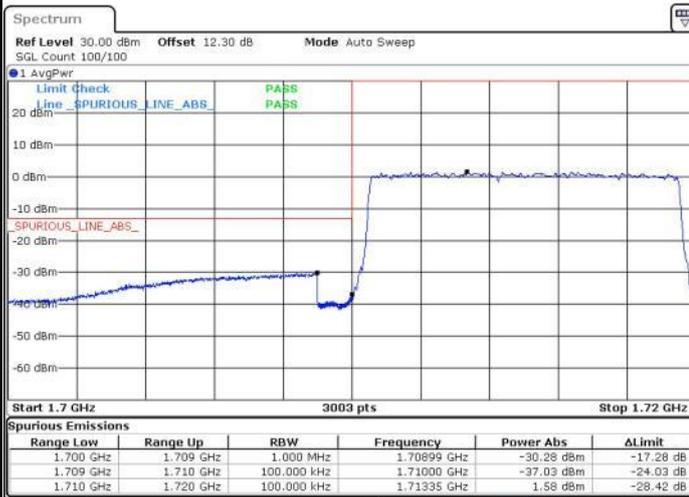
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Highest Band Edge / 1 RB



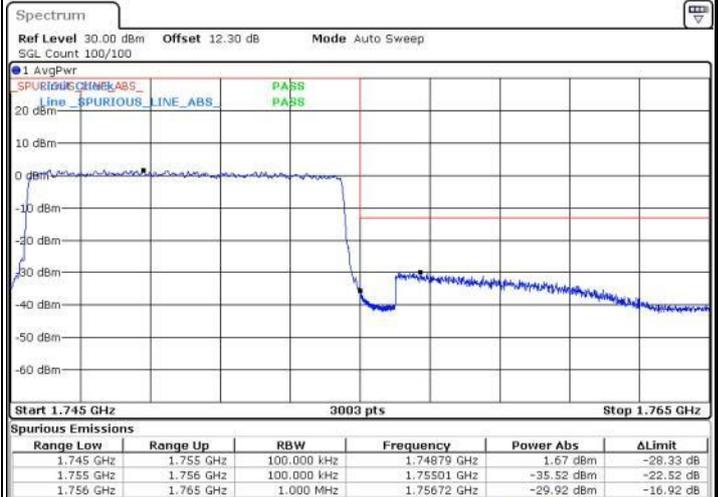
Date: 25.JUL.2015 08:01:40

Lowest Band Edge / Full RB



Date: 25.JUL.2015 07:54:18

Highest Band Edge / Full RB

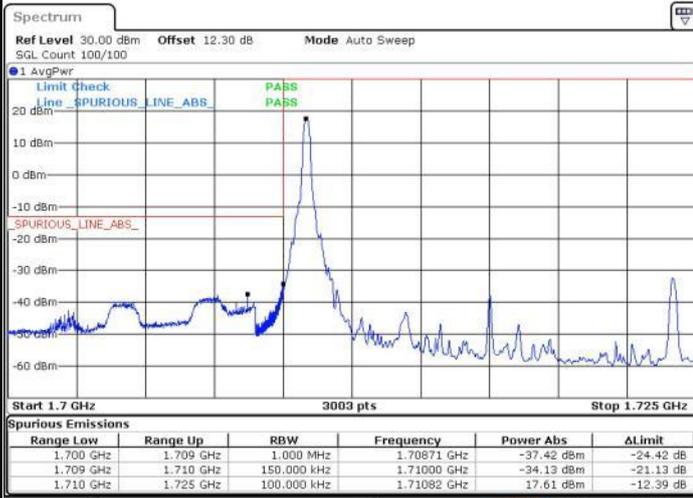


Date: 25.JUL.2015 08:03:58



LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



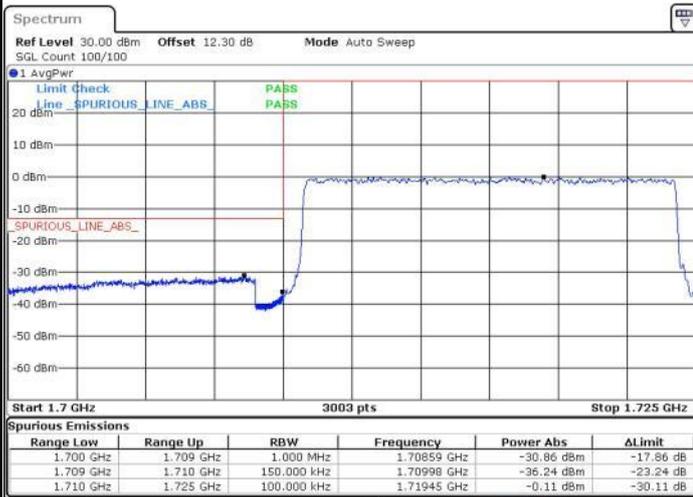
Date: 25.JUL.2015 08:07:39

Highest Band Edge / 1 RB



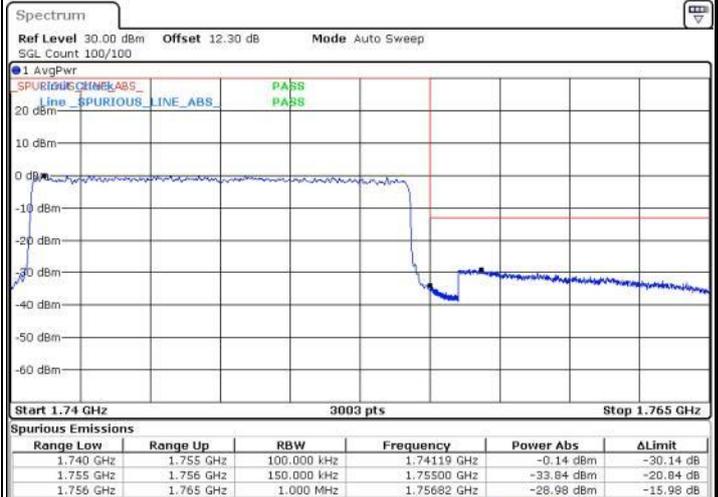
Date: 25.JUL.2015 08:17:19

Lowest Band Edge / Full RB



Date: 25.JUL.2015 08:09:58

Highest Band Edge / Full RB

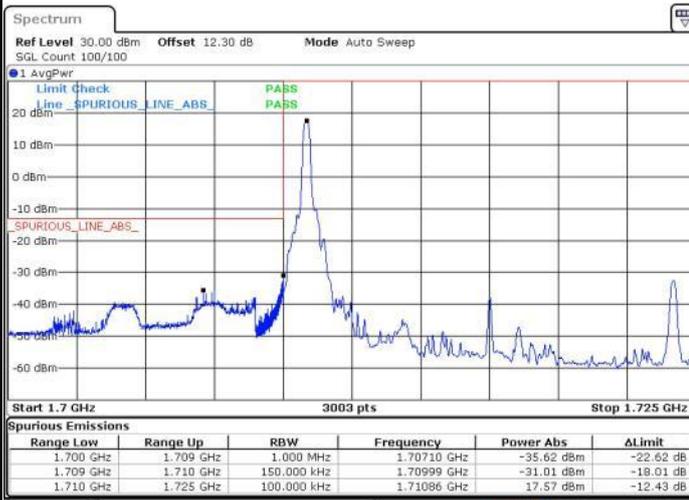


Date: 25.JUL.2015 08:19:38



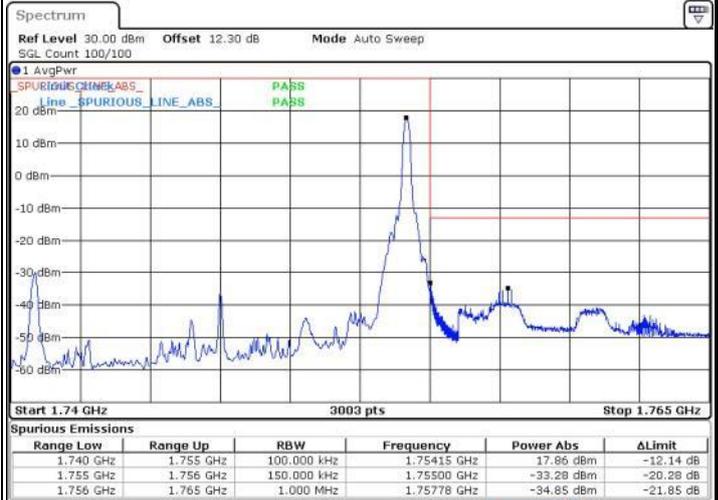
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



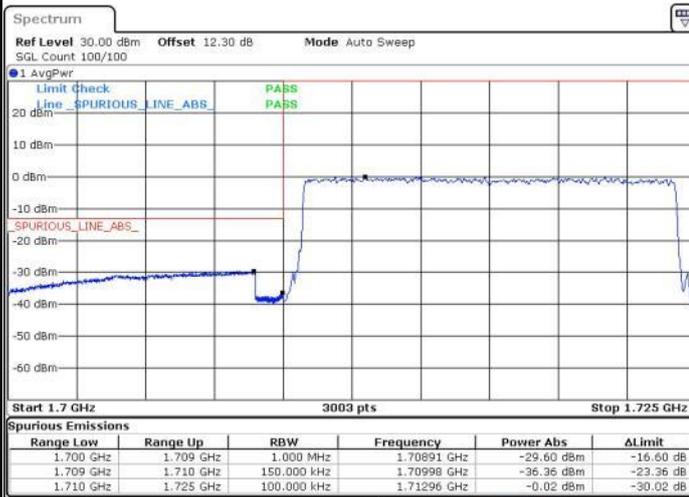
Date: 25.JUL.2015 08:08:49

Highest Band Edge / 1 RB



Date: 25.JUL.2015 08:18:28

Lowest Band Edge / Full RB



Date: 25.JUL.2015 08:11:07

Highest Band Edge / Full RB

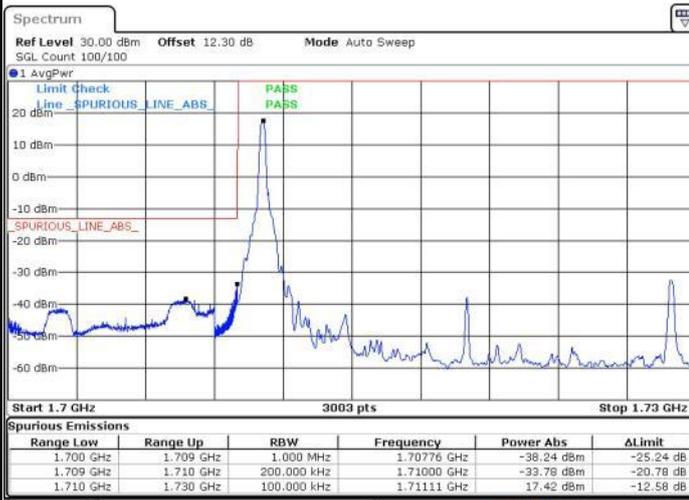


Date: 25.JUL.2015 08:20:47



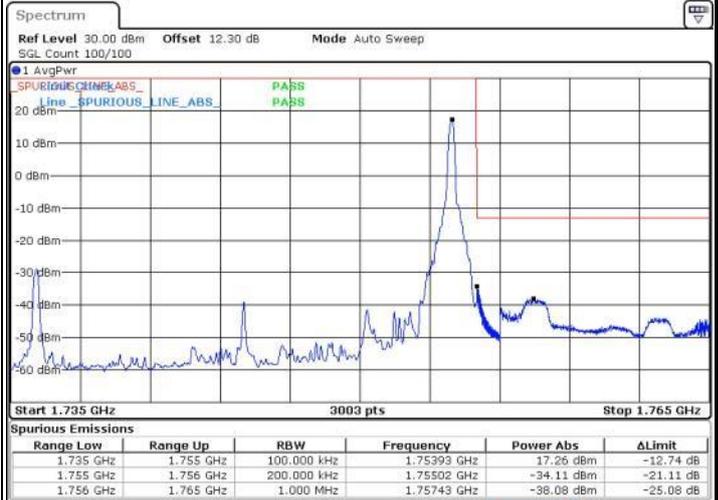
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



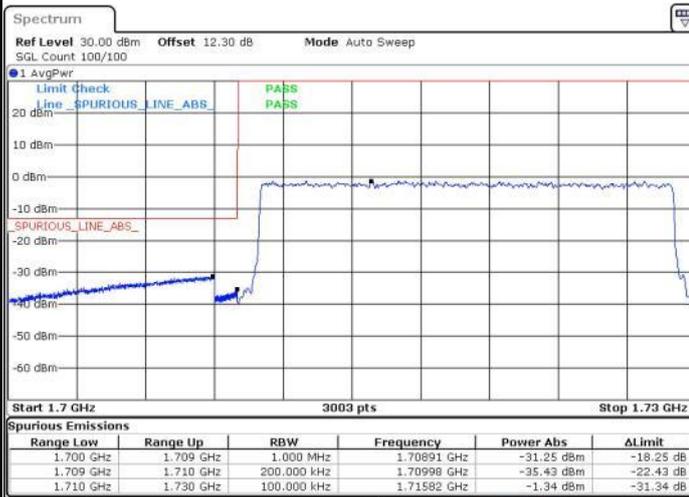
Date: 25 JUL 2015 08:24:27

Highest Band Edge / 1 RB



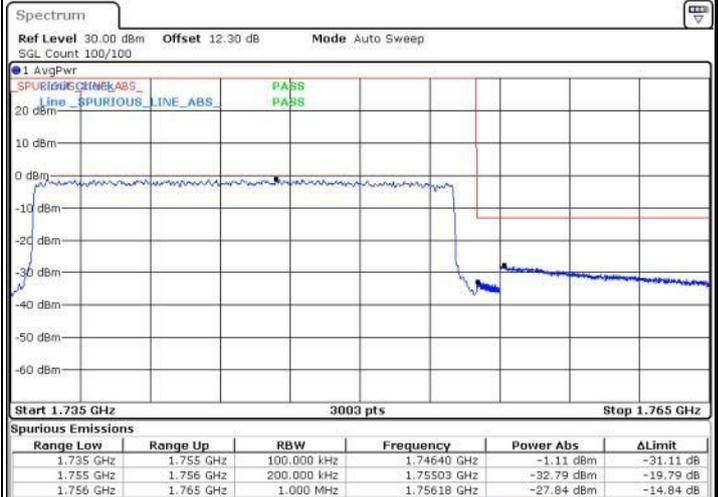
Date: 25 JUL 2015 08:34:07

Lowest Band Edge / Full RB



Date: 25 JUL 2015 08:26:45

Highest Band Edge / Full RB

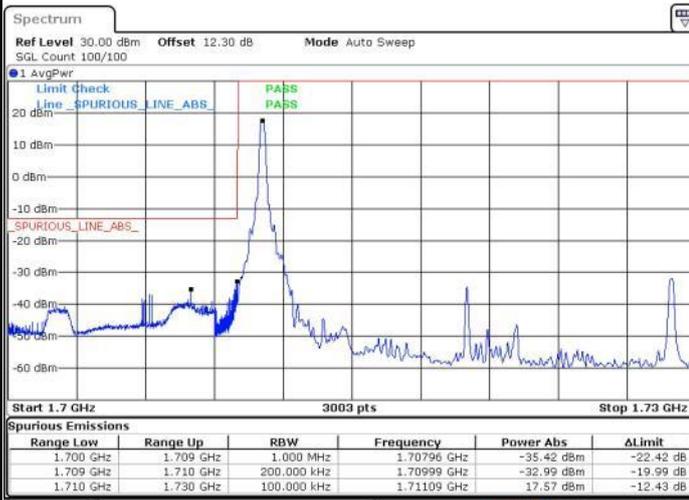


Date: 25 JUL 2015 08:36:26



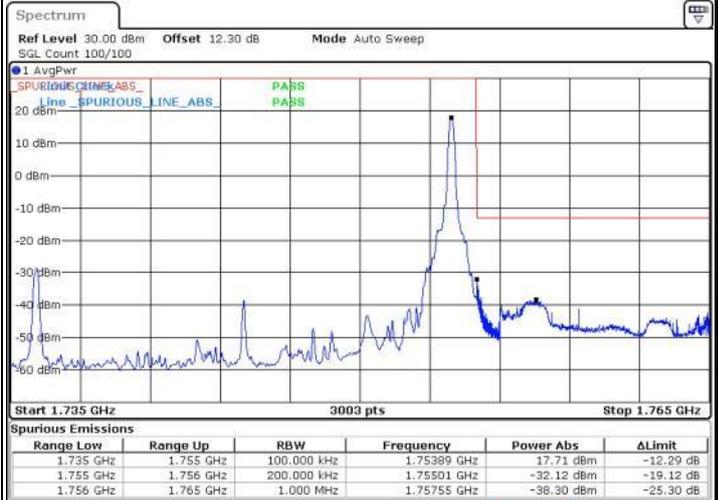
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



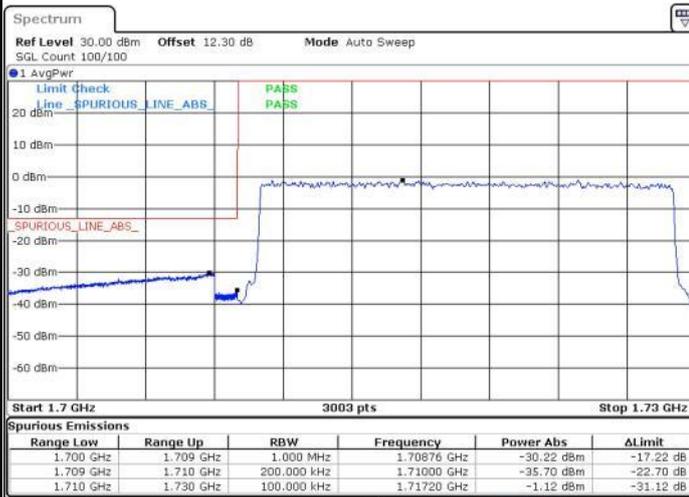
Date: 25.JUL.2015 08:25:36

Highest Band Edge / 1 RB



Date: 25.JUL.2015 08:35:17

Lowest Band Edge / Full RB



Date: 25.JUL.2015 08:27:54

Highest Band Edge / Full RB



Date: 25.JUL.2015 08:37:35



# Conducted Spurious Emission





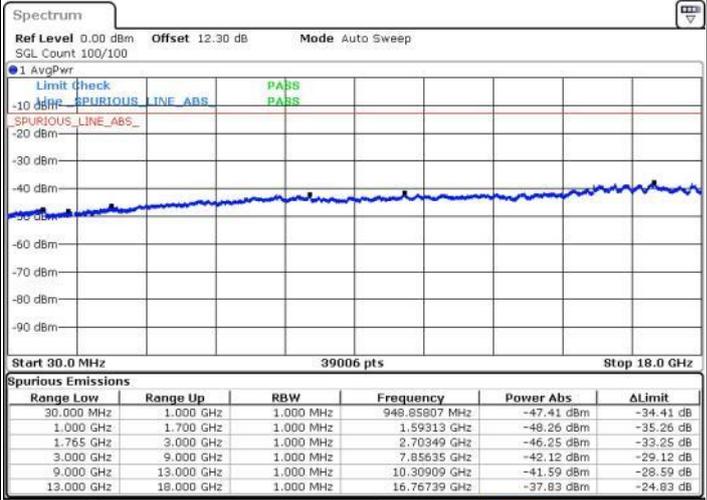
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 25.JUL.2015 08:59:26

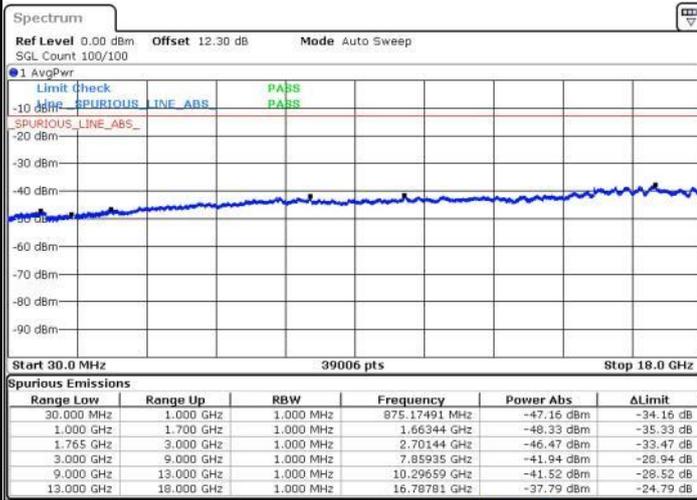
Highest Channel / 16QAM



Date: 25.JUL.2015 08:00:21

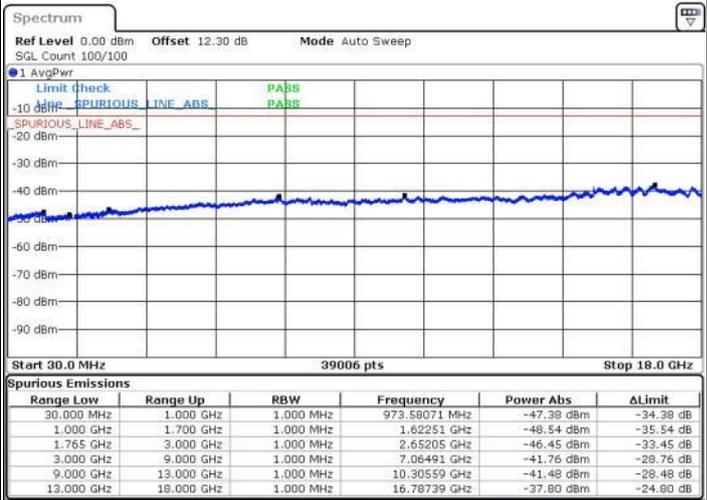
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 25.JUL.2015 07:18:40

Lowest Channel / 16QAM

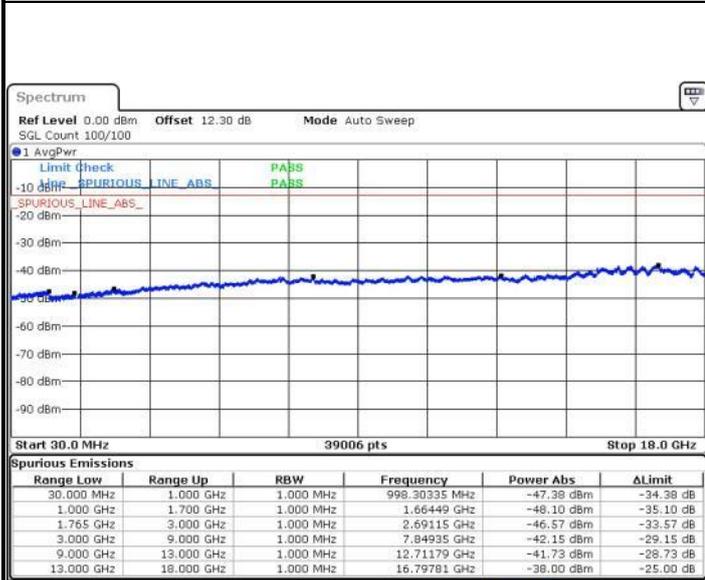


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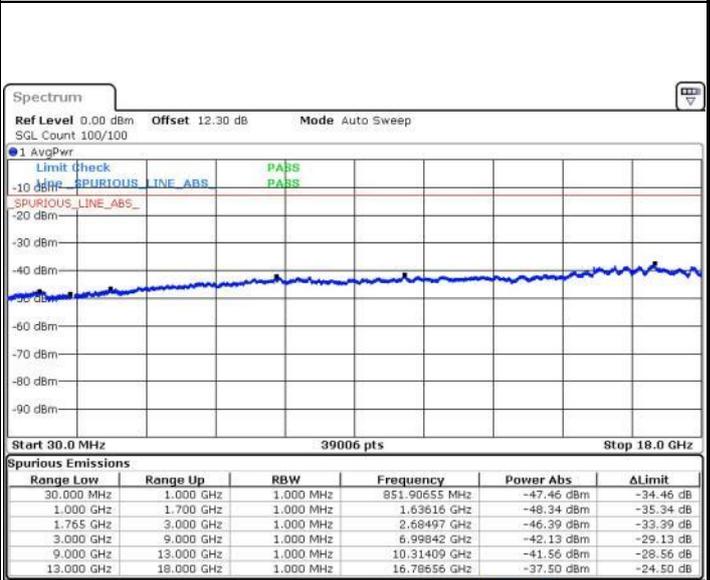
LTE Band 4 / 3MHz

Middle Channel / QPSK



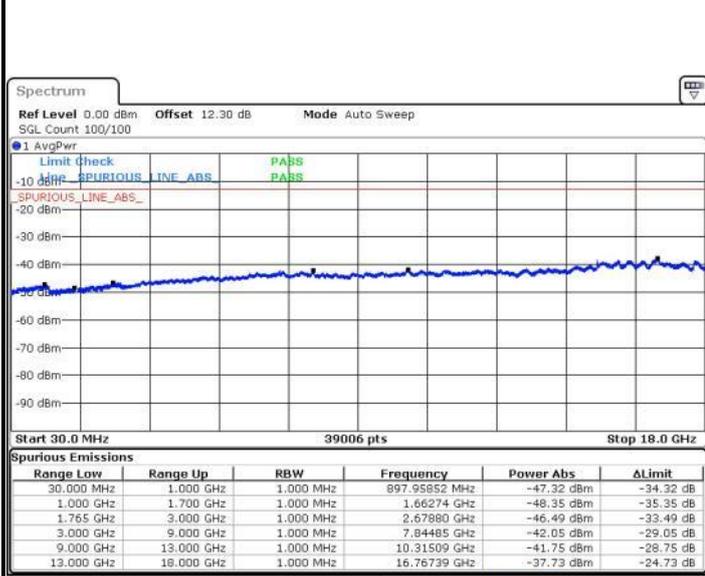
Date: 25.JUL.2015 07:21:11

Middle Channel / 16QAM



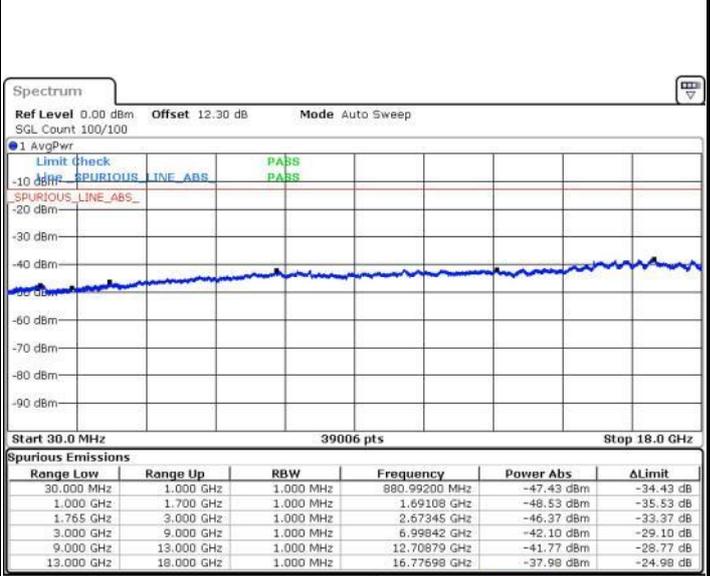
Date: 25.JUL.2015 07:22:08

Highest Channel / QPSK



Date: 25.JUL.2015 07:31:15

Highest Channel / 16QAM



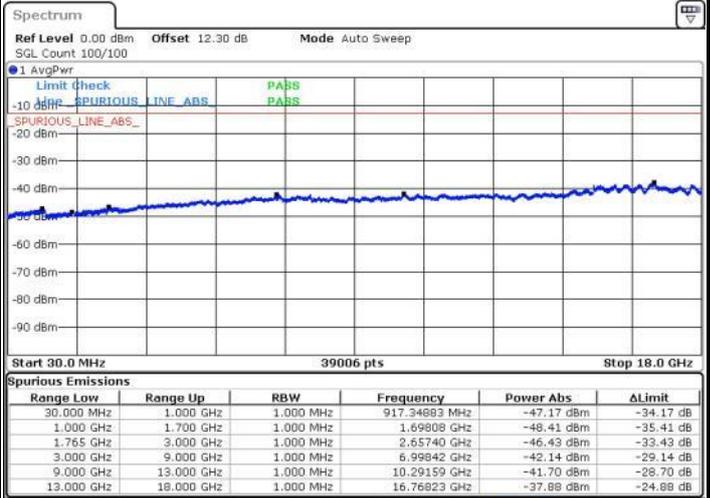
Date: 25.JUL.2015 07:32:10



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

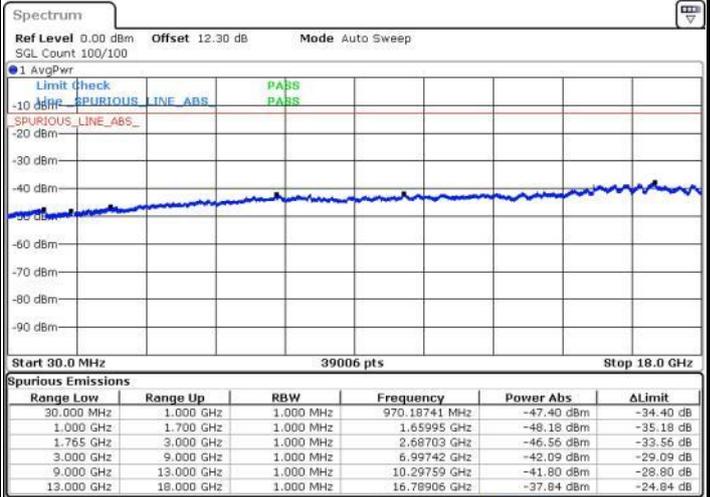
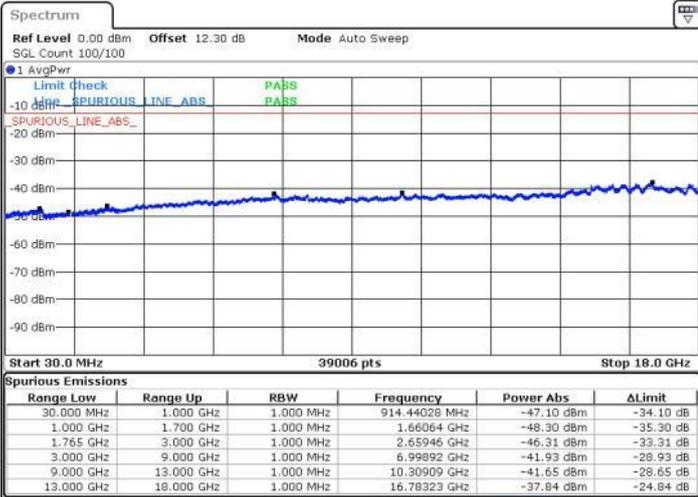


Date: 25.JUL.2015 07:38:24

Date: 25.JUL.2015 07:39:18

Middle Channel / QPSK

Middle Channel / 16QAM



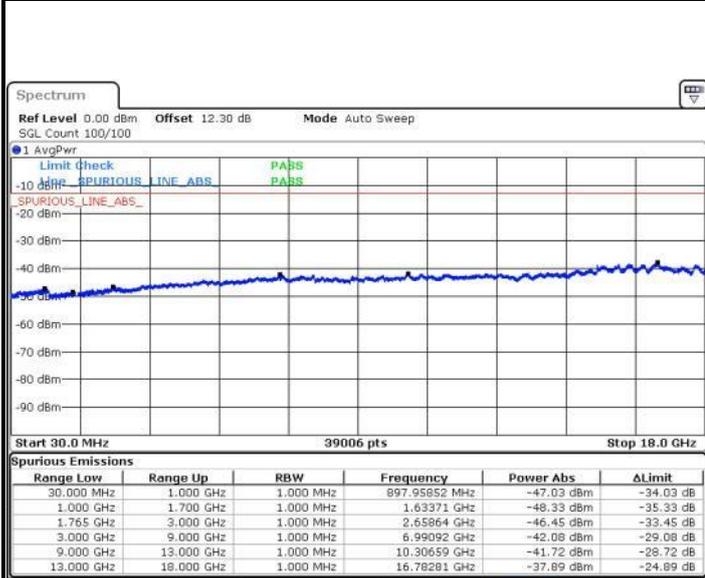
Date: 25.JUL.2015 07:40:55

Date: 25.JUL.2015 07:41:50



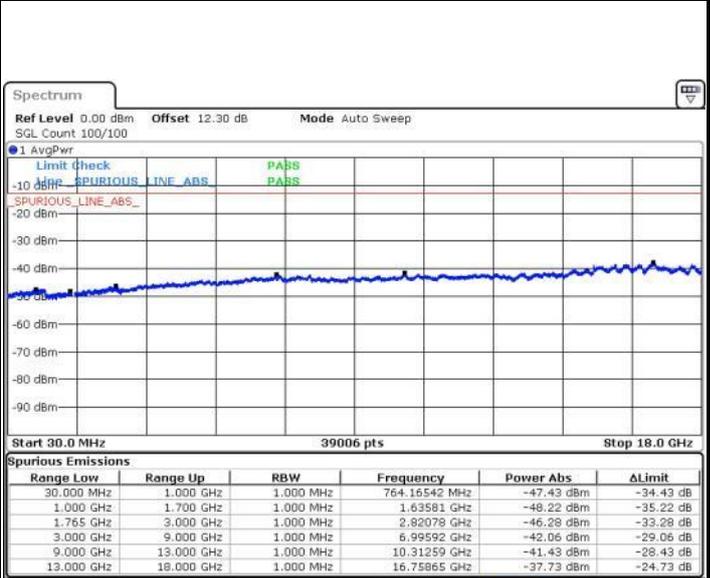
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 25.JUL.2015 07:48:04

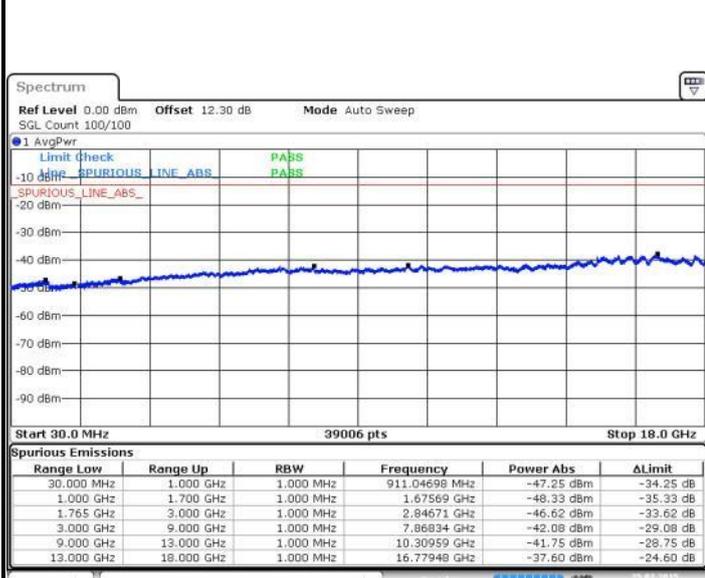
Highest Channel / 16QAM



Date: 25.JUL.2015 07:48:59

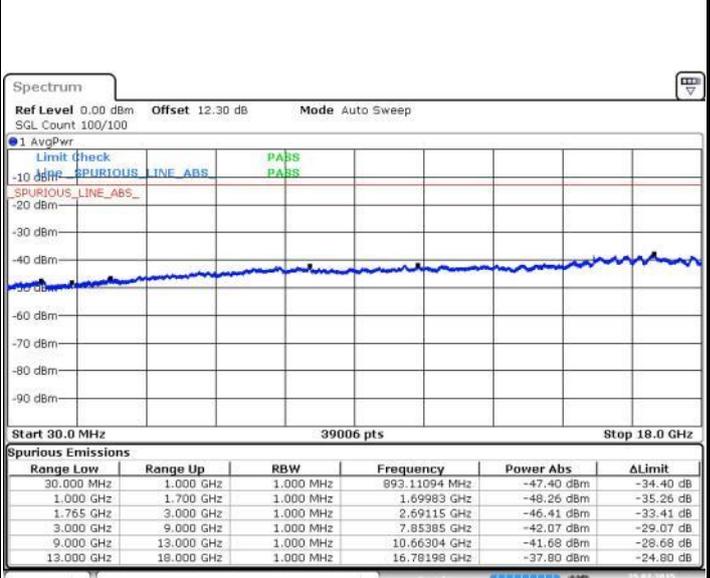
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 25.JUL.2015 07:55:13

Lowest Channel / 16QAM



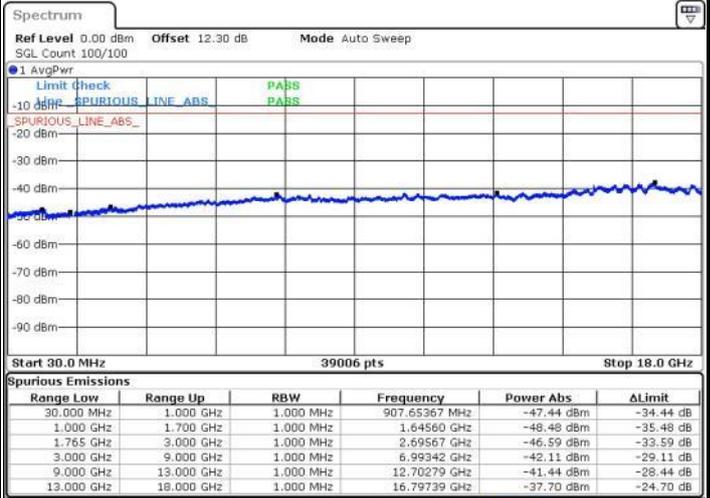
Date: 25.JUL.2015 07:58:08



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

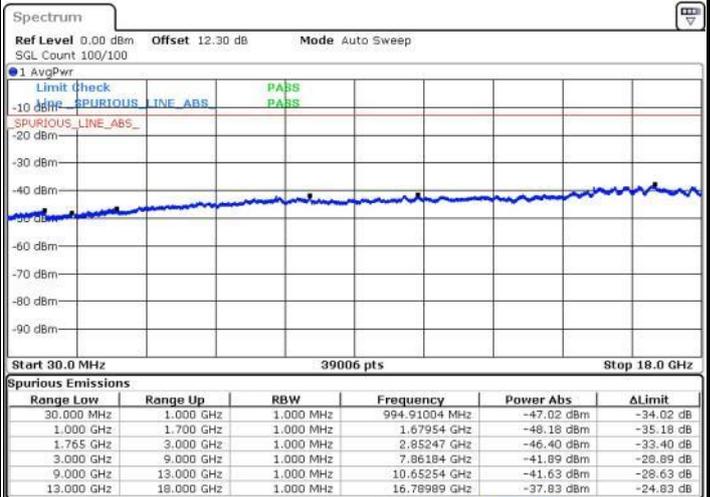
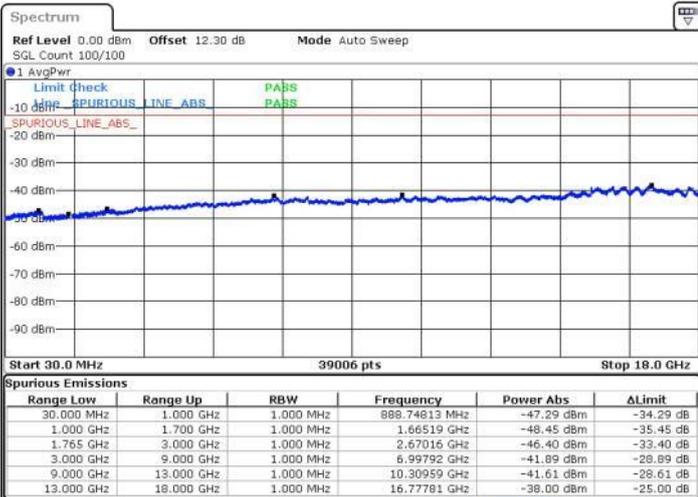


Date: 25.JUL.2015 07:57:45

Date: 25.JUL.2015 07:58:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25.JUL.2015 08:04:53

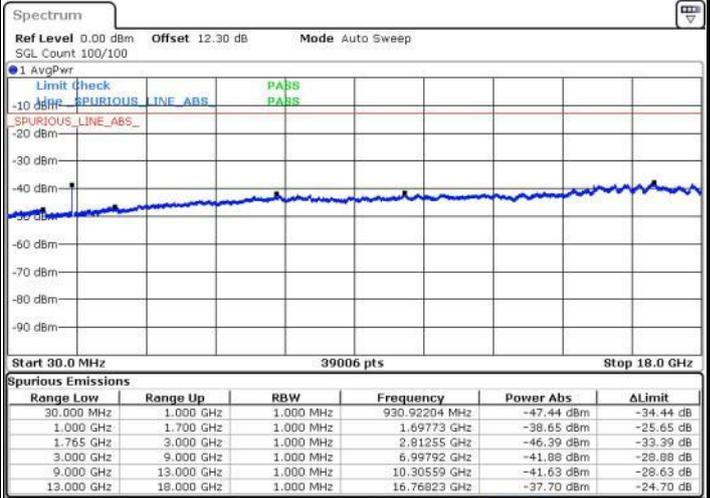
Date: 25.JUL.2015 08:05:48



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

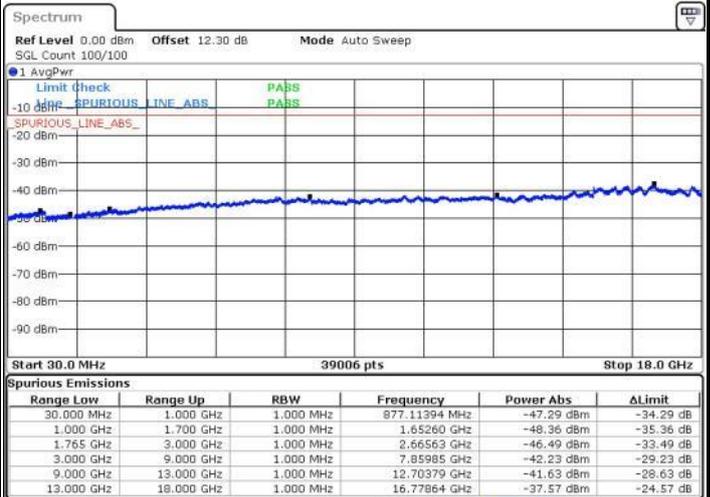
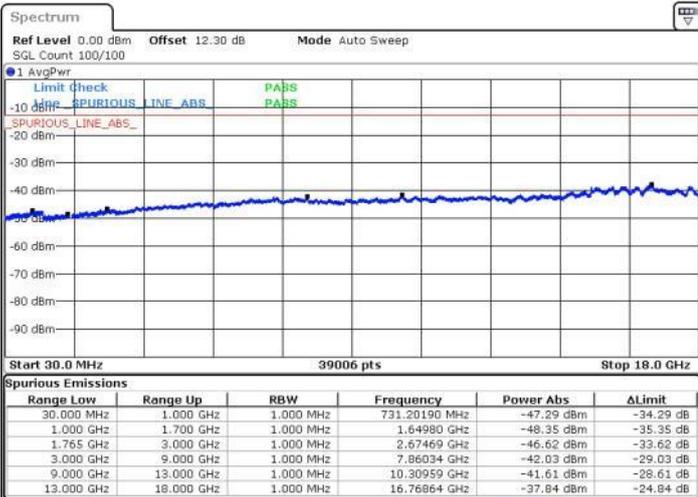


Date: 25.JUL.2015 08:12:02

Date: 25.JUL.2015 08:12:57

Middle Channel / QPSK

Middle Channel / 16QAM



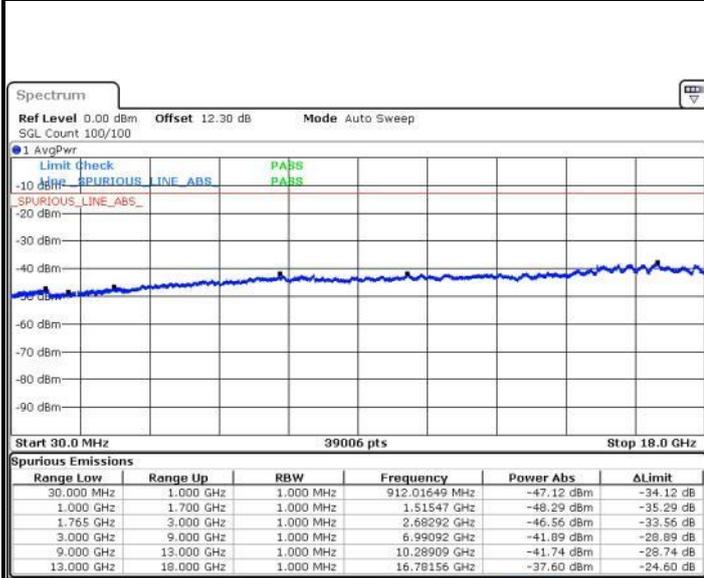
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Date: 25.JUL.2015 08:15:28



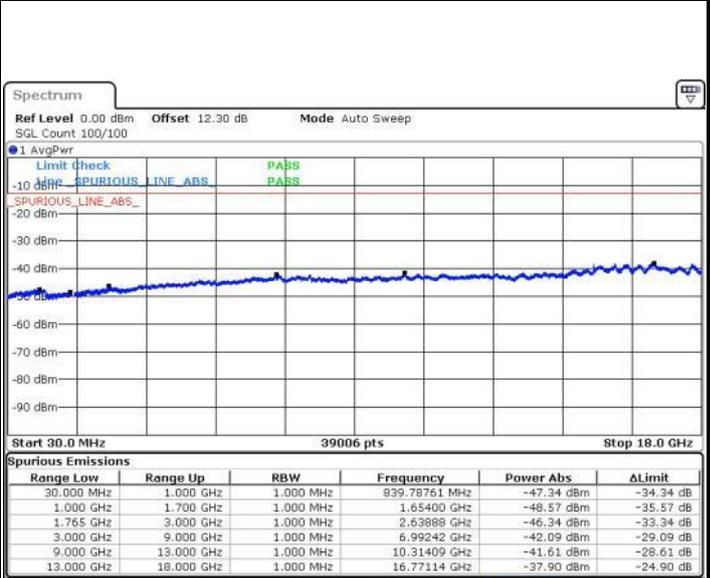
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 25.JUL.2015 08:21:42

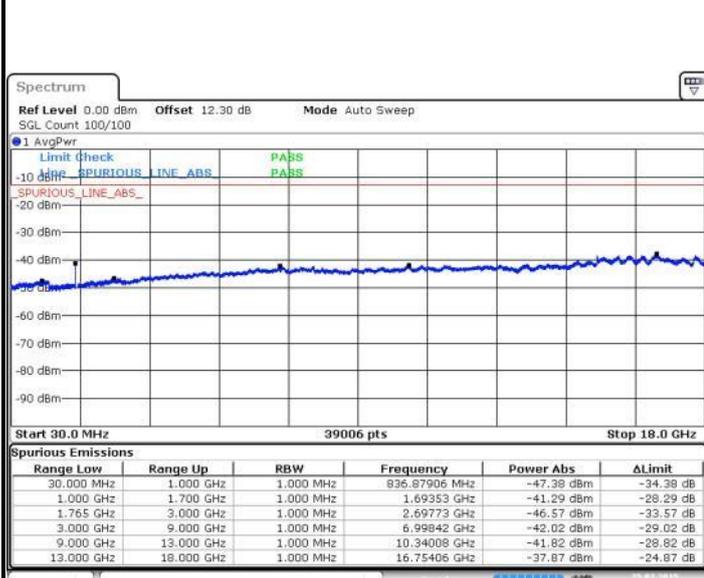
Highest Channel / 16QAM



Date: 25.JUL.2015 08:22:38

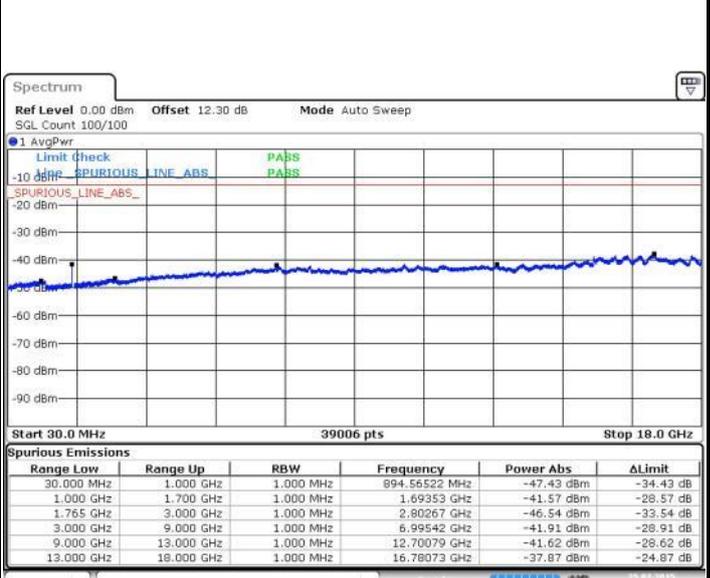
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 25.JUL.2015 08:28:49

Lowest Channel / 16QAM



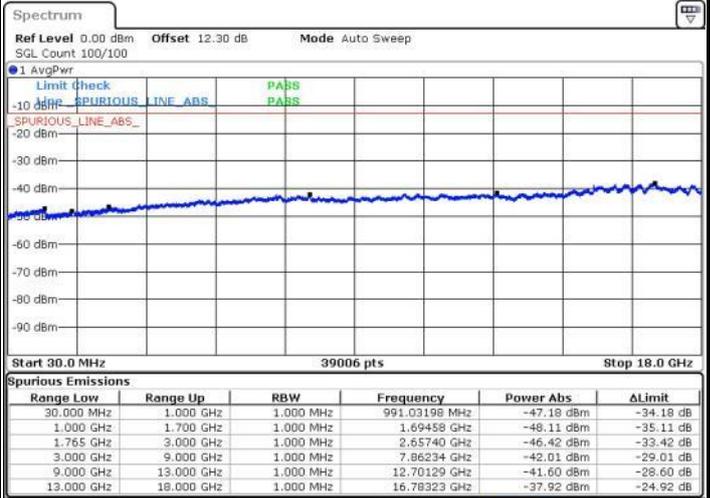
Date: 25.JUL.2015 08:29:44



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

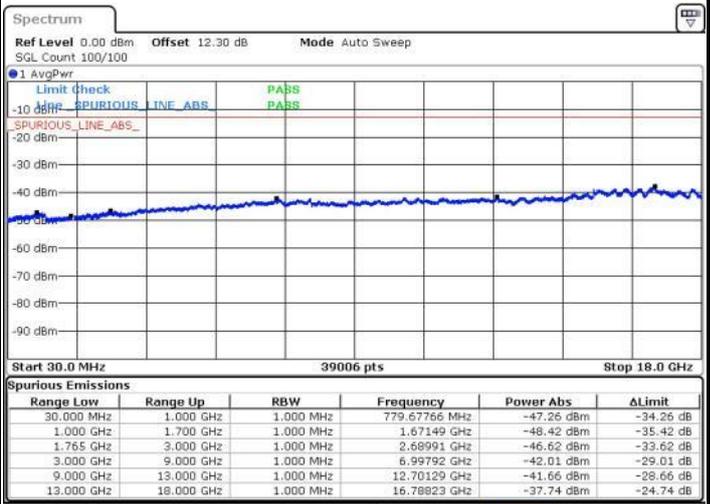
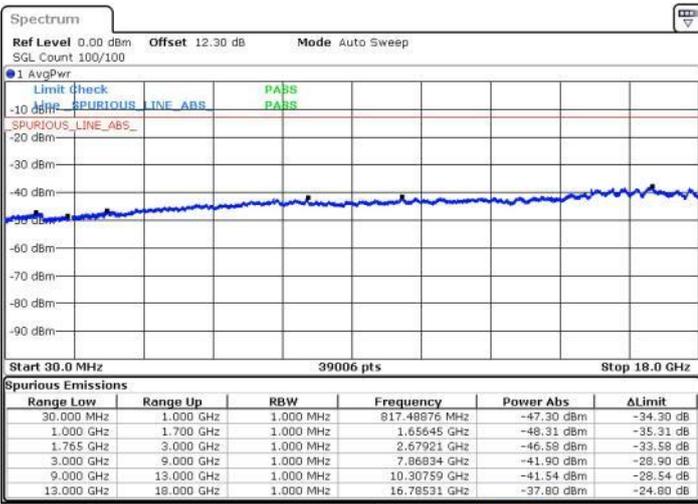


Date: 25.JUL.2015 08:31:21

Date: 25.JUL.2015 08:32:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25.JUL.2015 08:38:30

Date: 25.JUL.2015 08:39:25



Frequency Stability

| Test Conditions  |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0008                             | PASS    |
| 40               | Normal Voltage    | 0.0006                             |         |
| 30               | Normal Voltage    | 0.0005                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0002                             |         |
| 0                | Normal Voltage    | 0.0004                             |         |
| -10              | Normal Voltage    | 0.0009                             |         |
| -20              | Normal Voltage    | 0.0003                             |         |
| -30              | Normal Voltage    | 0.0005                             |         |
| 20               | Maximum Voltage   | 0.0001                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0006                             |         |

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 5

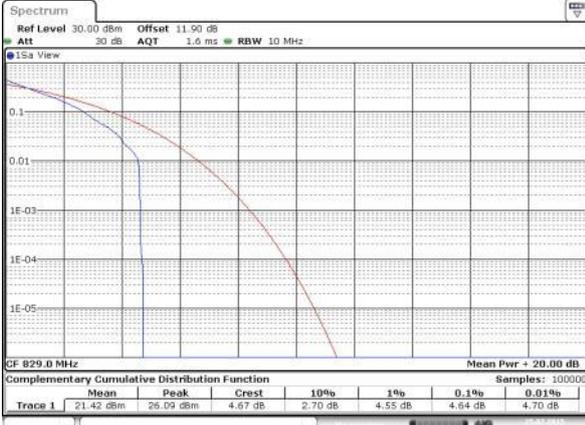
### Peak-to-Average Ratio

| Mode       | LTE Band 5 / 10MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.64               | 5.42    | 5.51  | 6.23    | <b>PASS</b> |
| Middle CH  | 4.99               | 5.25    | 5.39  | 6.26    |             |
| Highest CH | 4.99               | 5.33    | 5.48  | 6.20    |             |



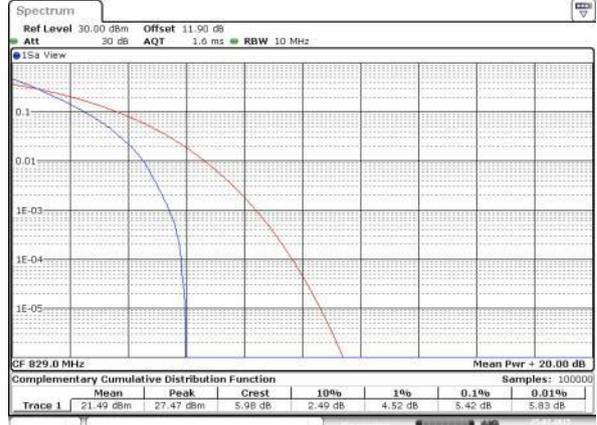
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



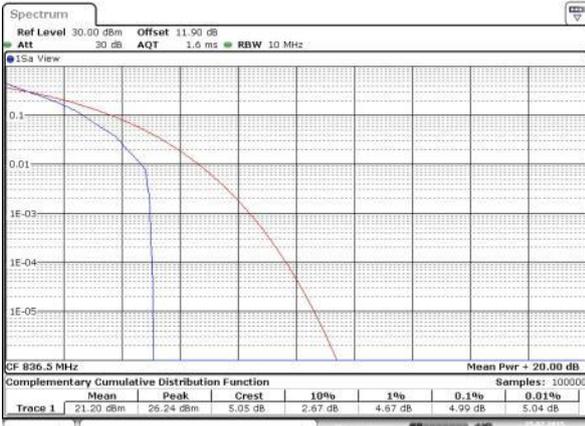
Date: 25 JUL 2015 13:21:42

Lowest Channel / Full RB



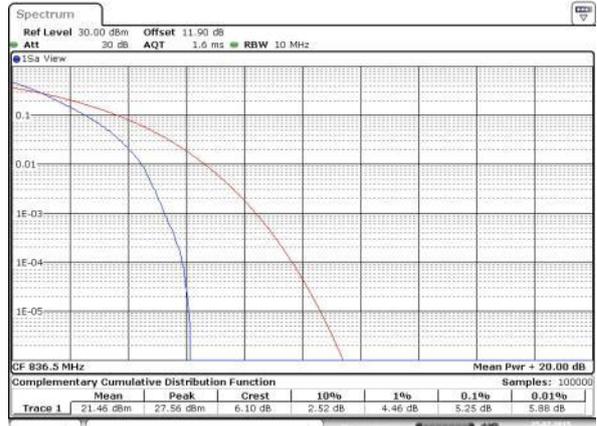
Date: 25 JUL 2015 13:22:28

Middle Channel / 1RB



Date: 25 JUL 2015 13:22:38

Middle Channel / Full RB



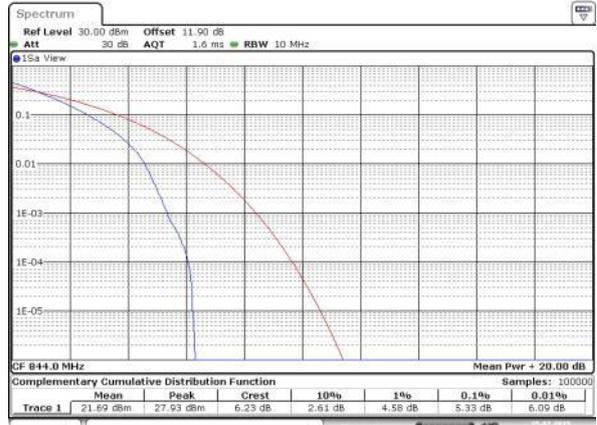
Date: 25 JUL 2015 13:22:51

Highest Channel / 1RB



Date: 25 JUL 2015 13:23:03

Highest Channel / Full RB



Date: 25 JUL 2015 13:23:21