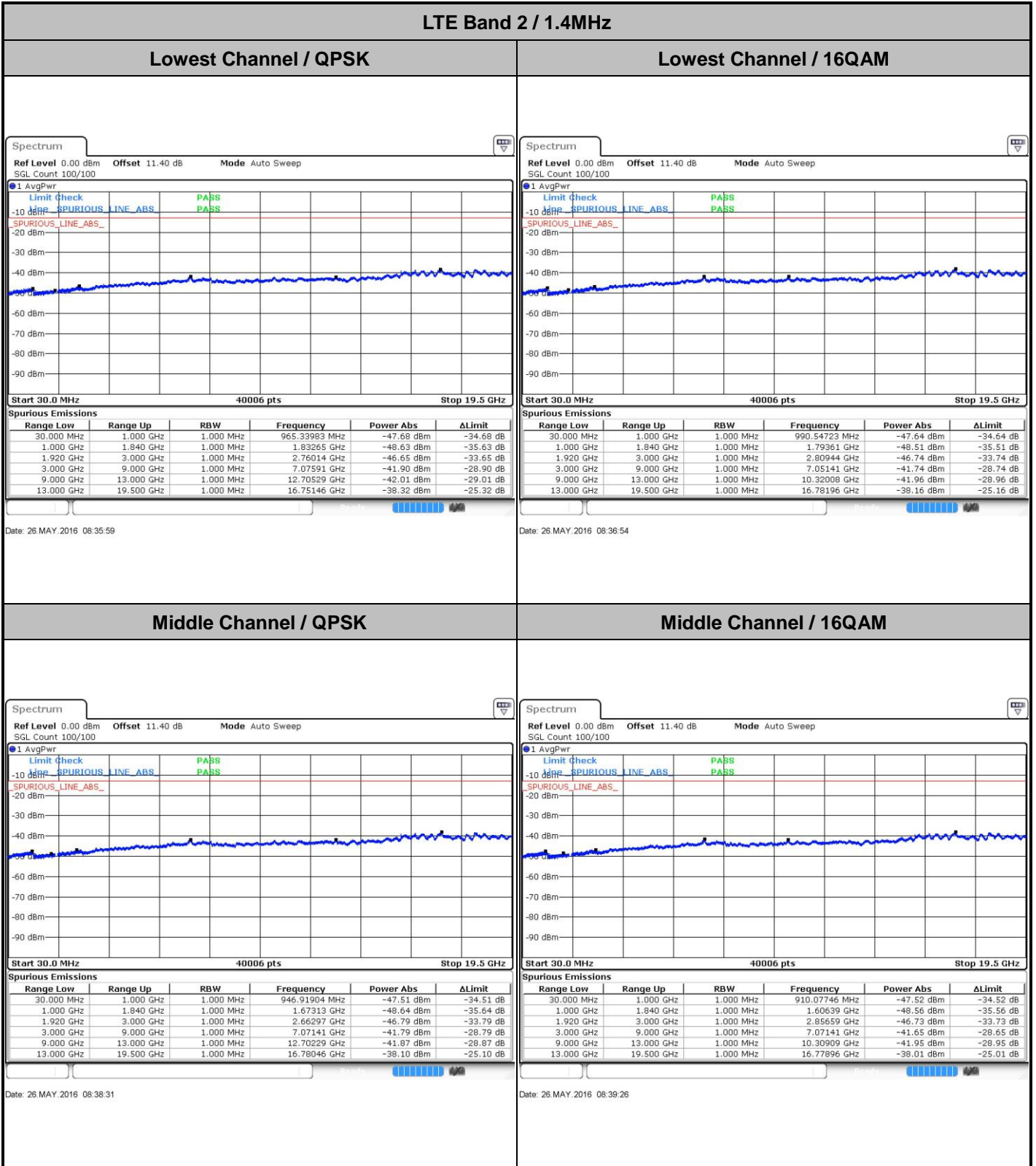




Conducted Spurious Emission

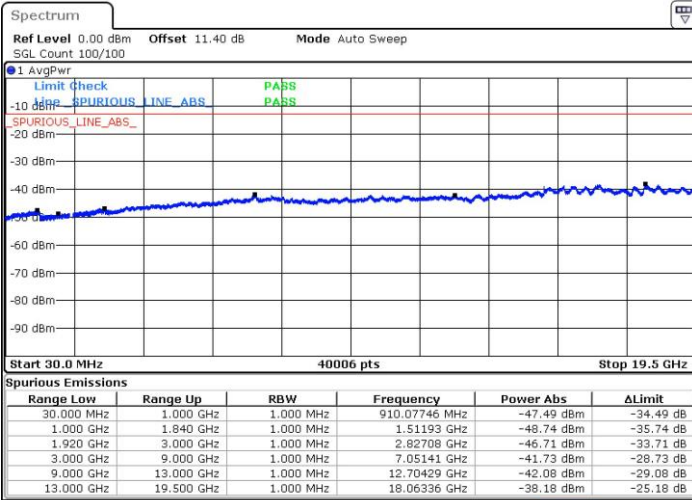




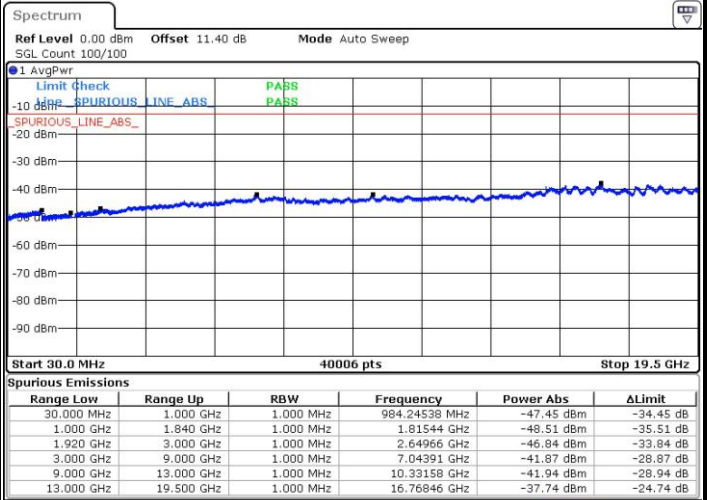
LTE Band 2 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAY 2016 08:45:41

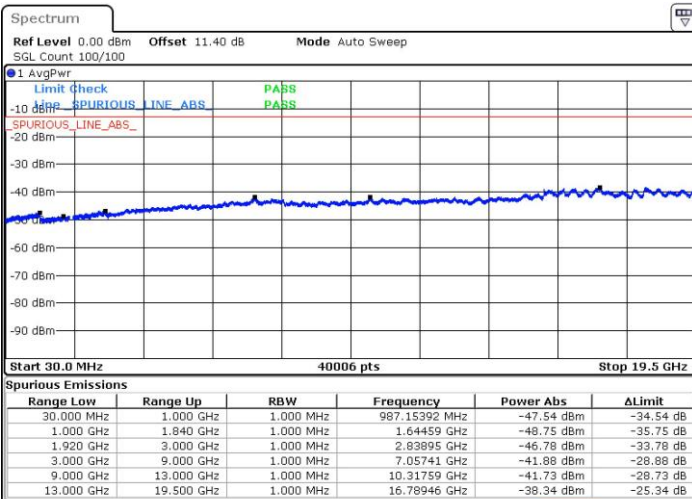


Date: 26 MAY 2016 08:46:35

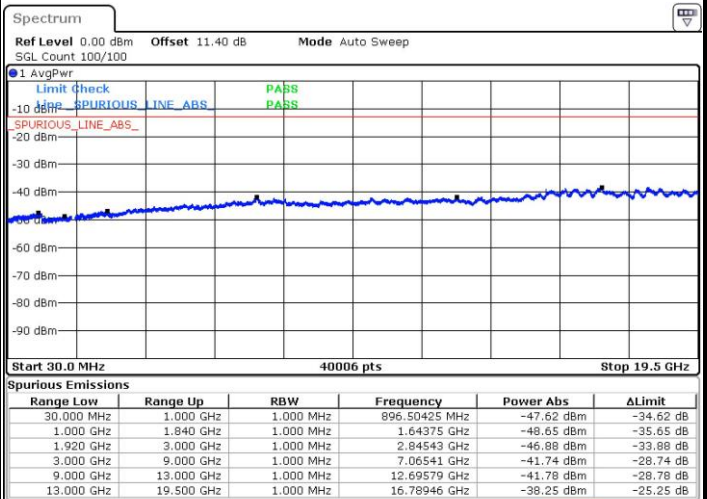
LTE Band 2 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 26 MAY 2016 07:05:21



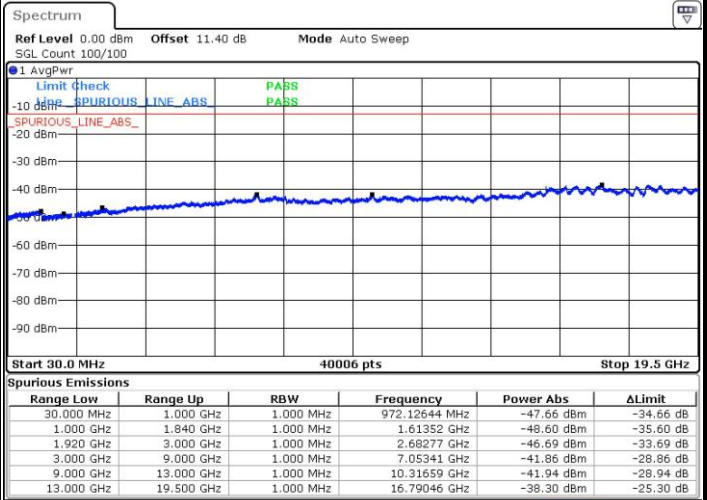
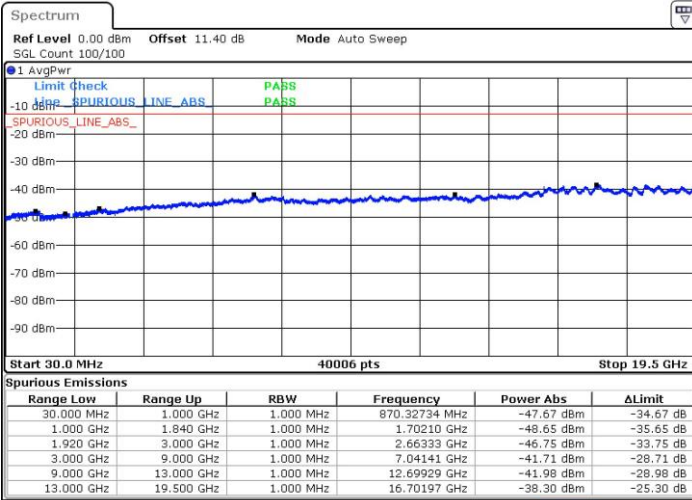
Date: 26 MAY 2016 07:06:16



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

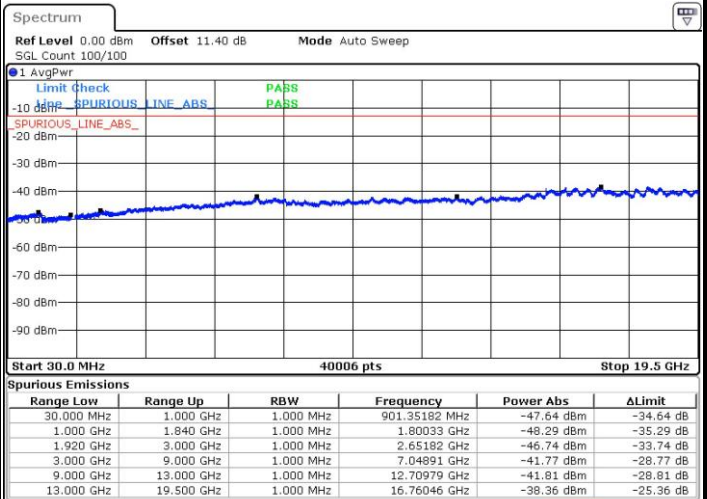
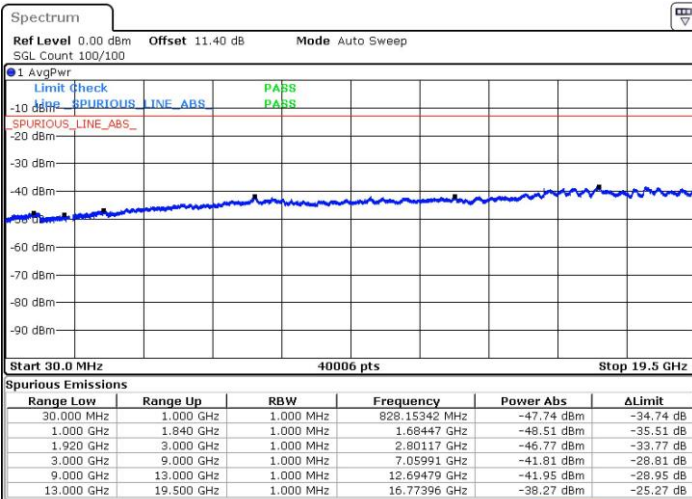


Date: 26 MAY.2016 07:07:53

Date: 26 MAY.2016 07:08:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAY.2016 07:15:01

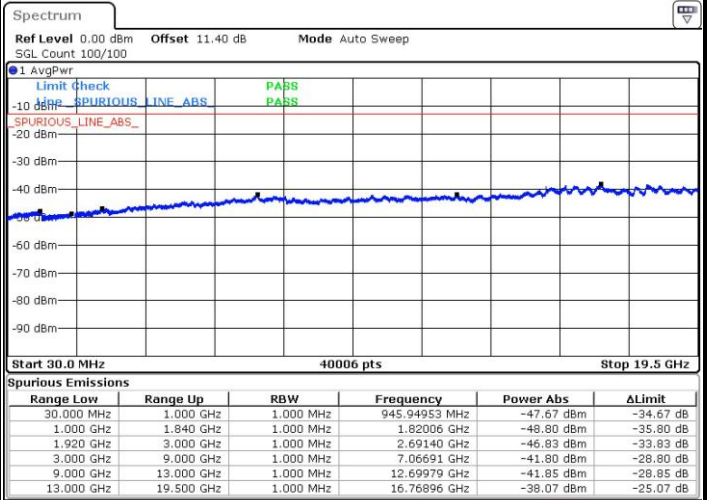
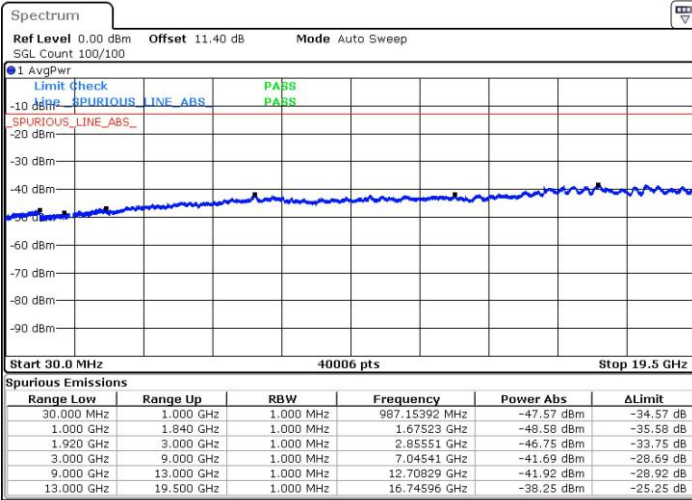
Date: 26 MAY.2016 07:15:56



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

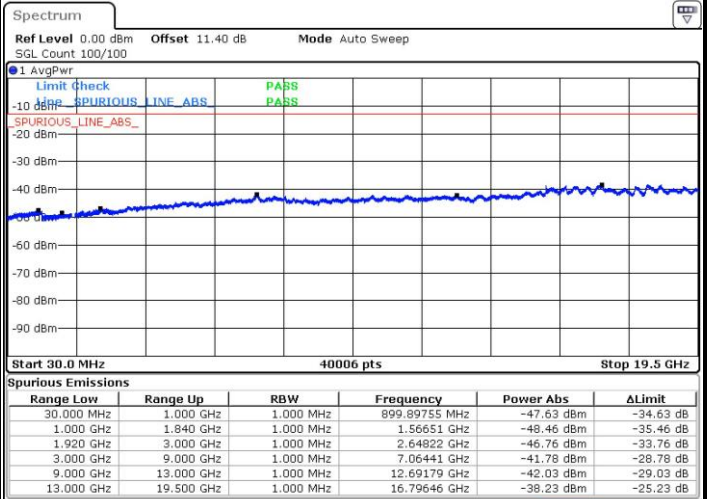
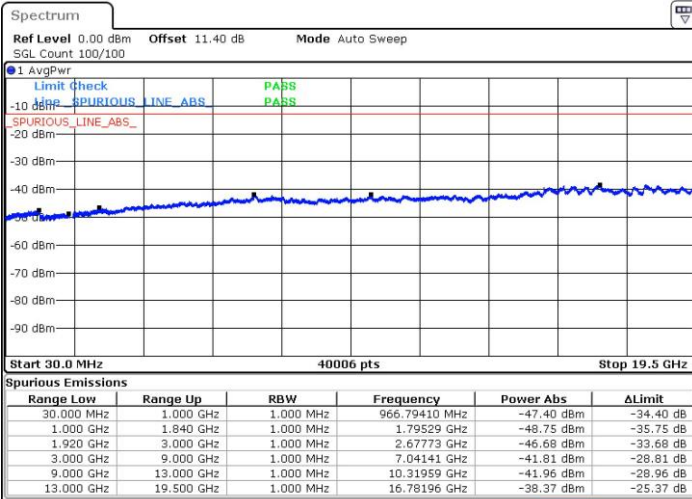


Date: 26 MAY 2016 07:22:10

Date: 26 MAY 2016 07:23:05

Middle Channel / QPSK

Middle Channel / 16QAM



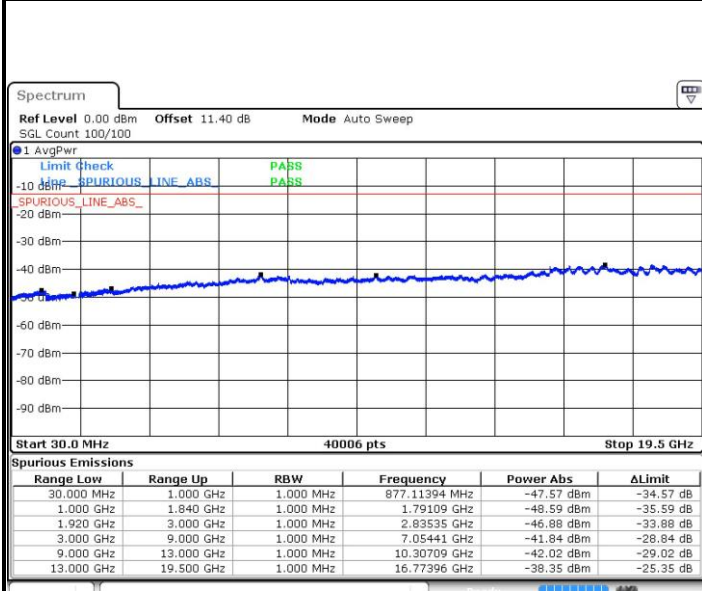
Date: 26 MAY 2016 07:24:42

Date: 26 MAY 2016 07:25:37



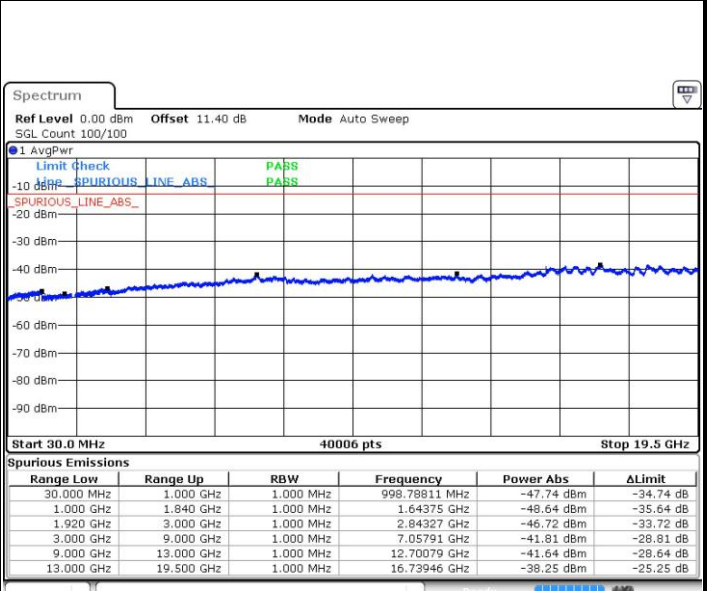
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 26 MAY 2016 07:31:51

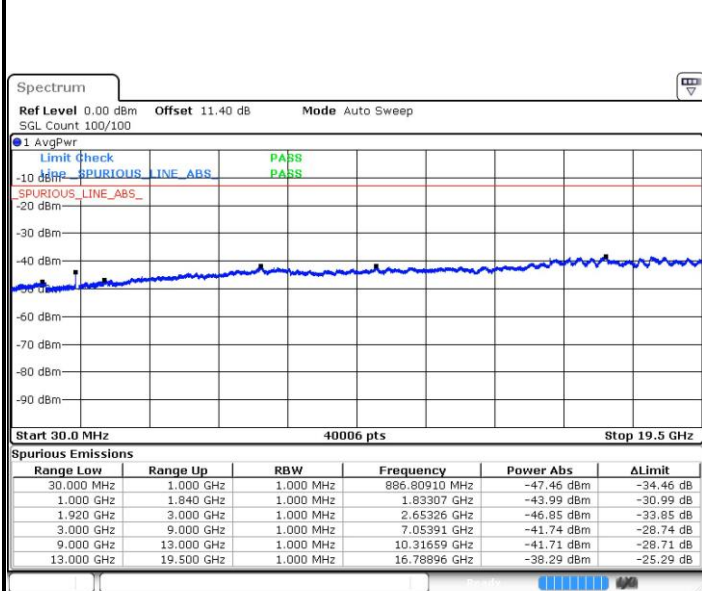
Highest Channel / 16QAM



Date: 26 MAY 2016 07:32:46

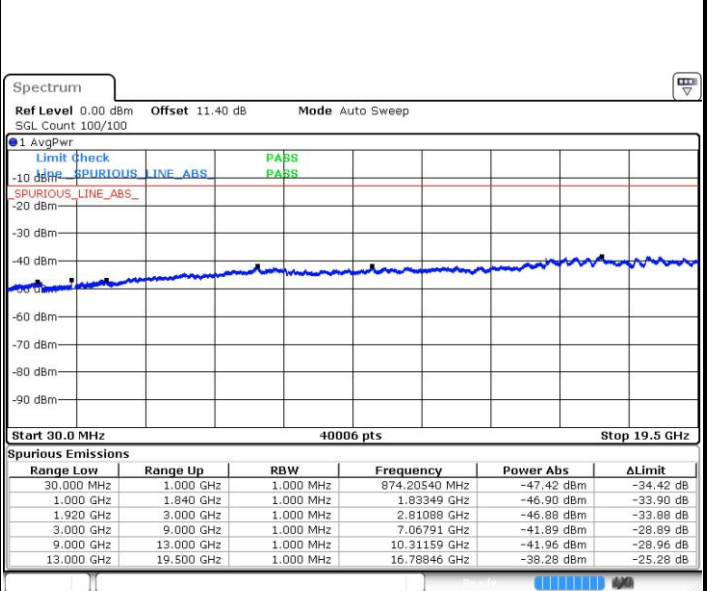
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 26 MAY 2016 07:39:01

Lowest Channel / 16QAM



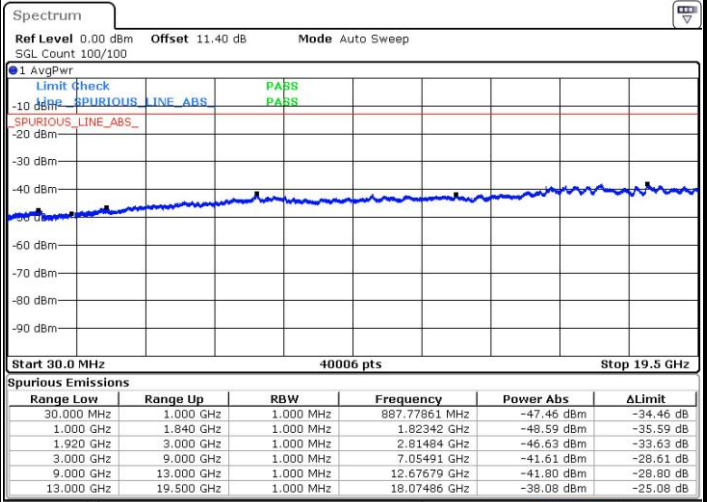
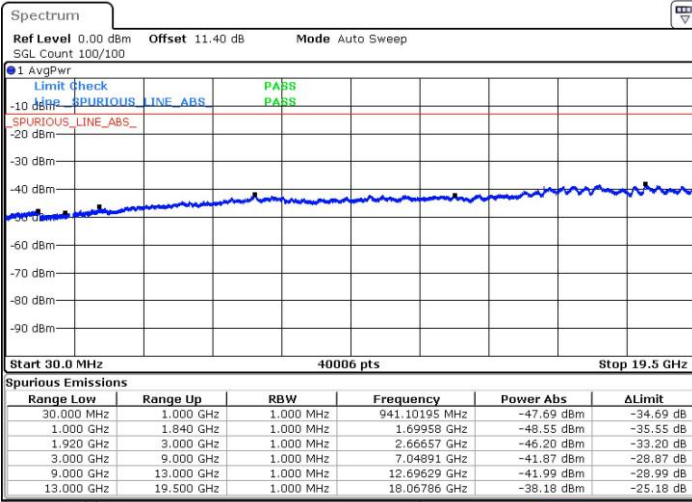
Date: 26 MAY 2016 07:39:55



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

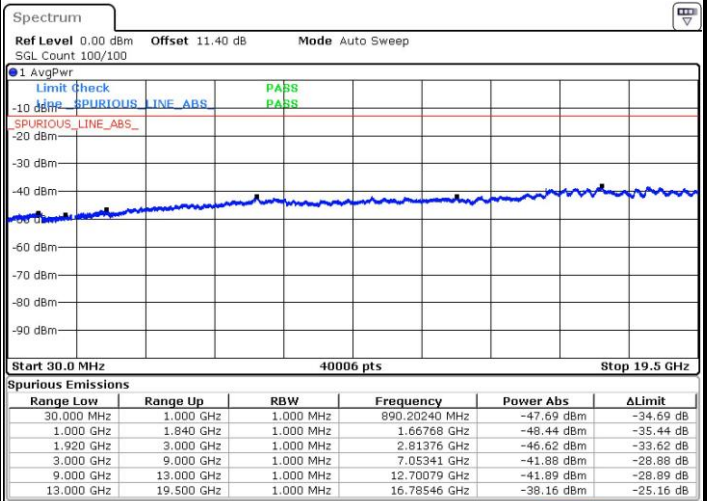
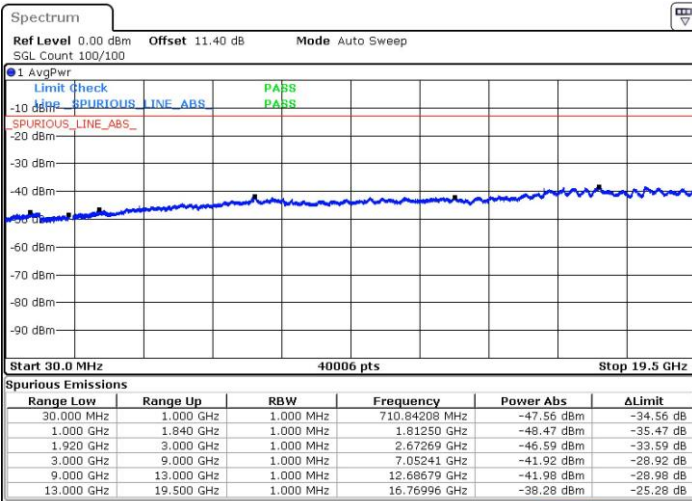


Date: 26 MAY.2016 07:41:32

Date: 26 MAY.2016 07:42:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAY.2016 07:48:41

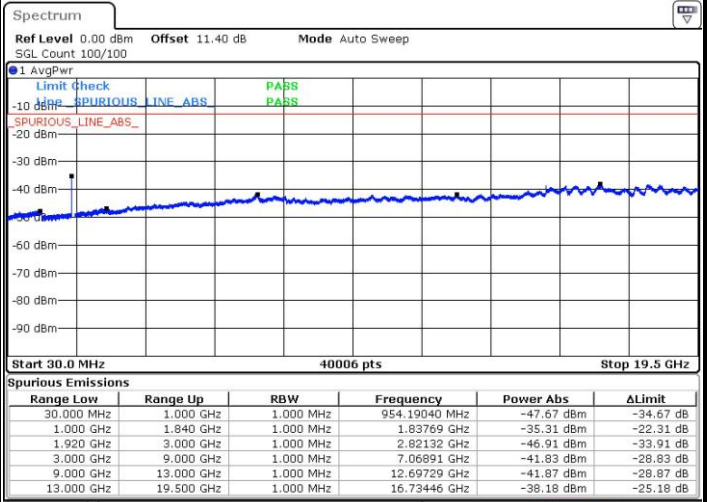
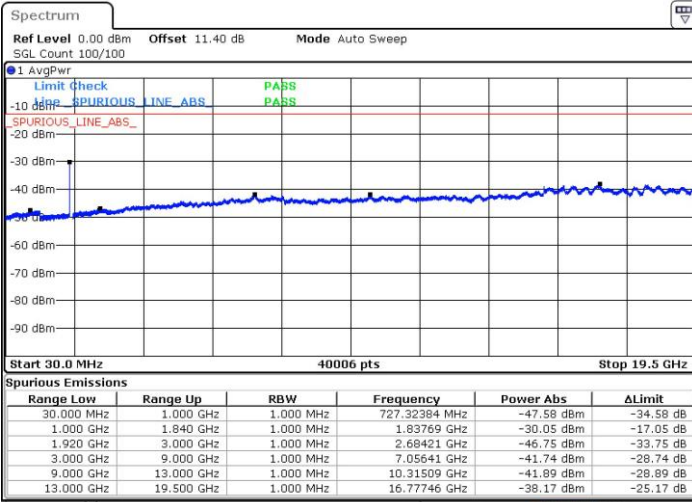
Date: 26 MAY.2016 07:49:36



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

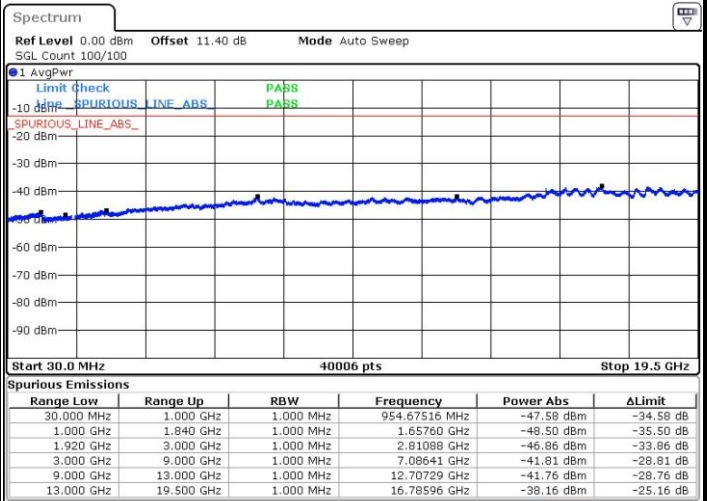
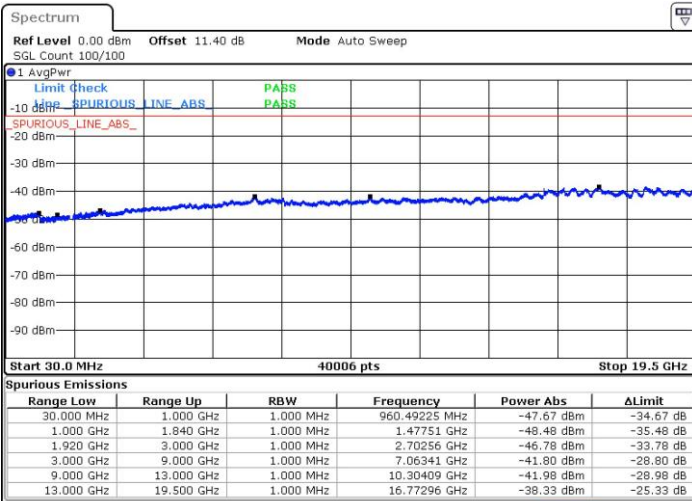


Date: 26 MAY 2016 07:55:50

Date: 26 MAY 2016 07:56:45

Middle Channel / QPSK

Middle Channel / 16QAM



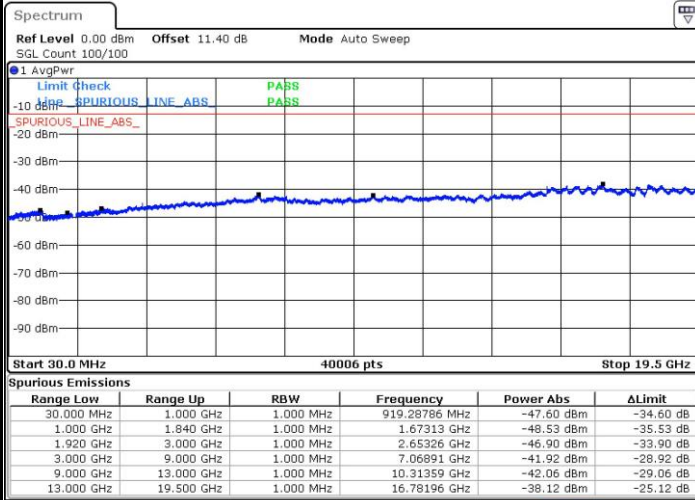
Date: 26 MAY 2016 07:58:22

Date: 26 MAY 2016 07:59:17



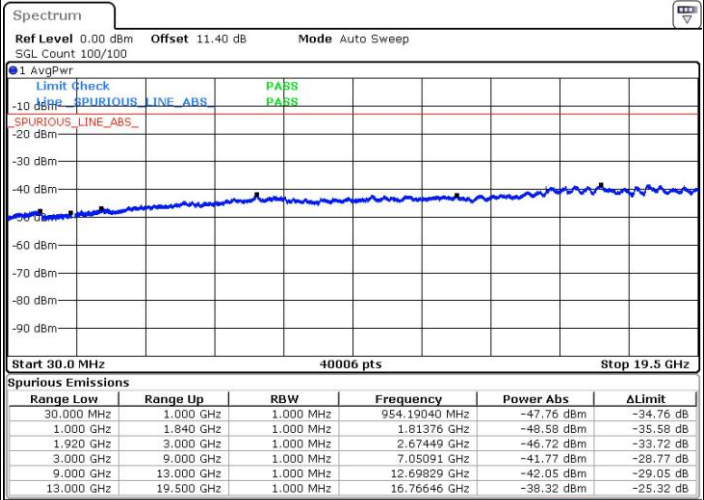
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 26 MAY 2016 08:05:31

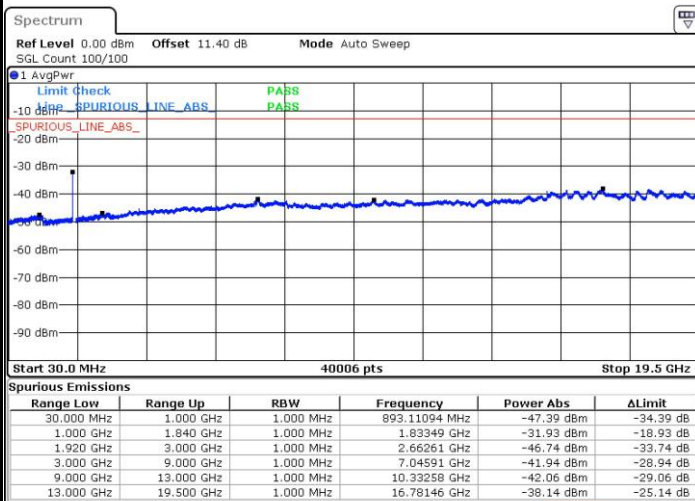
Highest Channel / 16QAM



Date: 26 MAY 2016 08:06:26

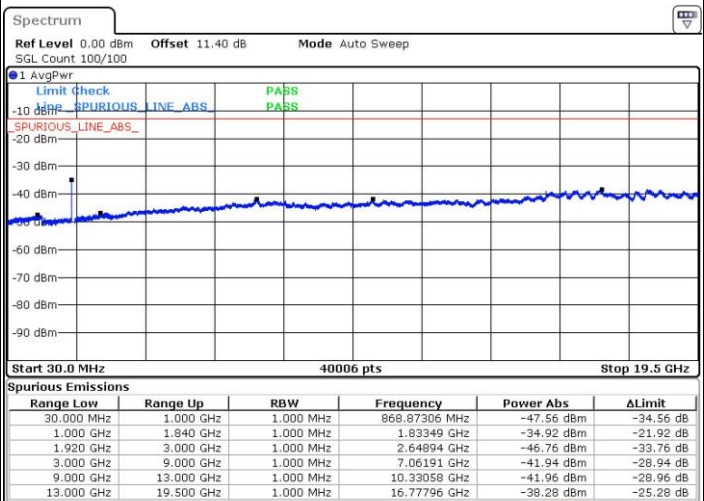
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 26 MAY 2016 08:12:40

Lowest Channel / 16QAM



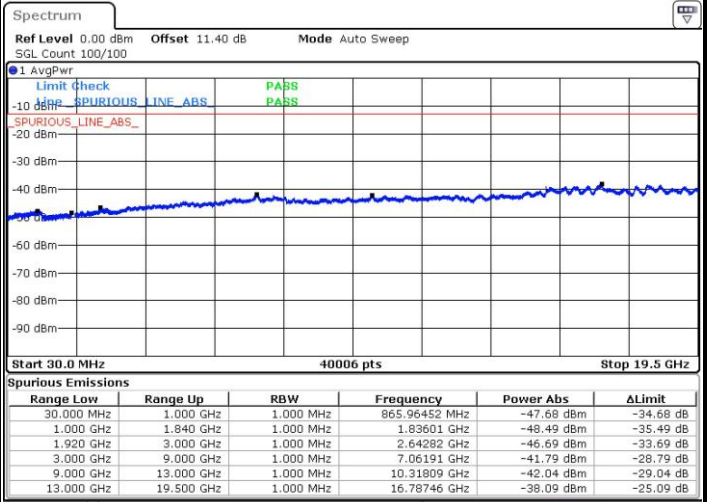
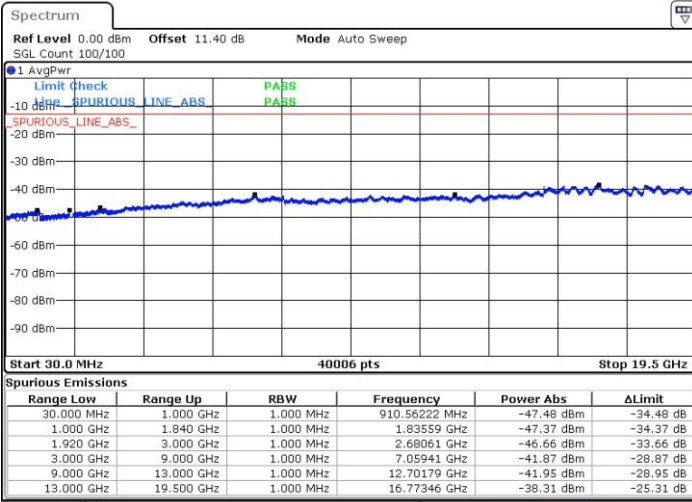
Date: 26 MAY 2016 08:13:35



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

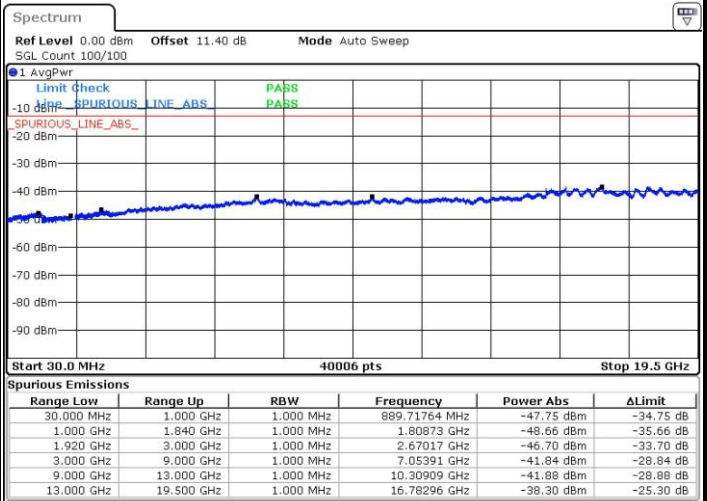
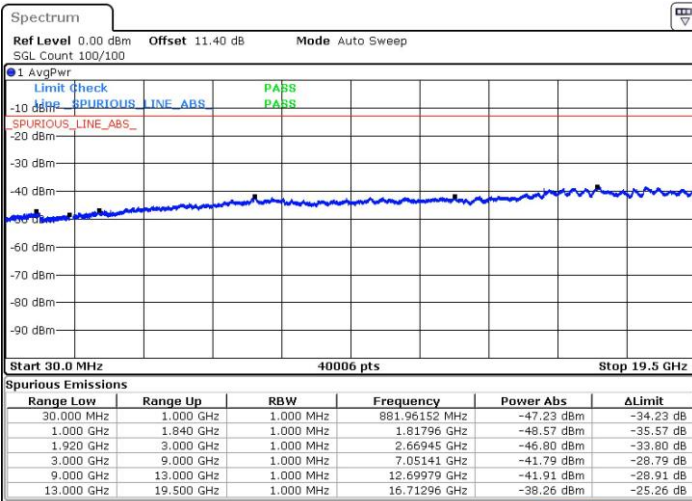


Date: 26 MAY.2016 08:15:12

Date: 26 MAY.2016 08:16:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAY.2016 08:22:21

Date: 26 MAY.2016 08:23:16



Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0072 | PASS |
| 40 | Normal Voltage | 0.0000 | |
| 30 | Normal Voltage | 0.0081 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0081 | |
| 0 | Normal Voltage | 0.0079 | |
| -10 | Normal Voltage | 0.0075 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0001 | |
| 20 | Maximum Voltage | 0.0009 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0010 | |

Note:

1. Normal Voltage = 3.9 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

| Mode | LTE Band 4 / 20MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 4.23 | 4.61 | 5.07 | 5.65 | PASS |
| Middle CH | 4.06 | 4.64 | 5.04 | 5.62 | |
| Highest CH | 4.00 | 4.55 | 5.07 | 5.65 | |



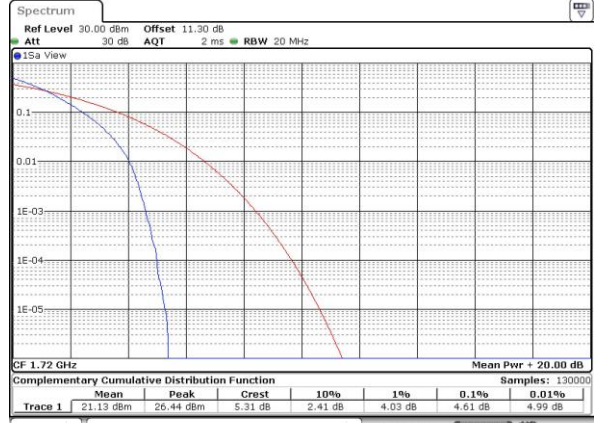
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 26 MAY 2016 10:45:36

Lowest Channel / Full RB



Date: 26 MAY 2016 10:45:47

Middle Channel / 1RB



Date: 26 MAY 2016 10:46:00

Middle Channel / Full RB



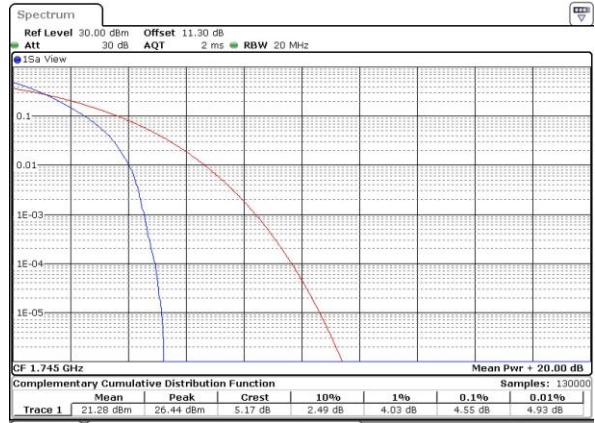
Date: 26 MAY 2016 10:46:10

Highest Channel / 1RB



Date: 26 MAY 2016 10:46:28

Highest Channel / Full RB

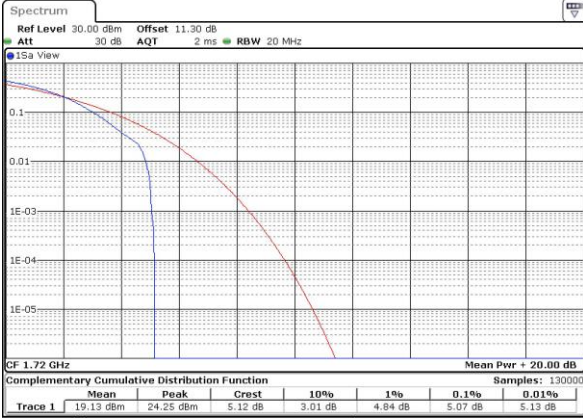


Date: 26 MAY 2016 10:46:59



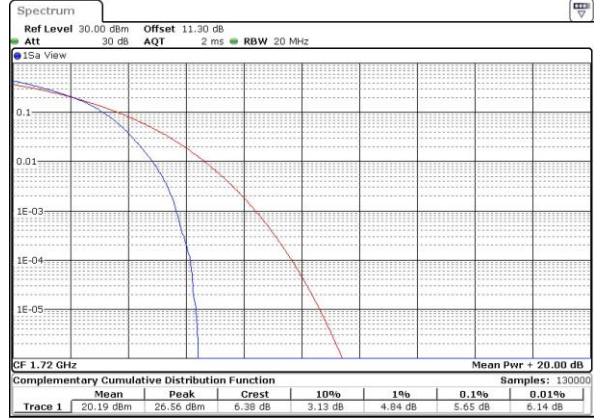
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 26 MAY 2016 10:41:56

Lowest Channel / Full RB



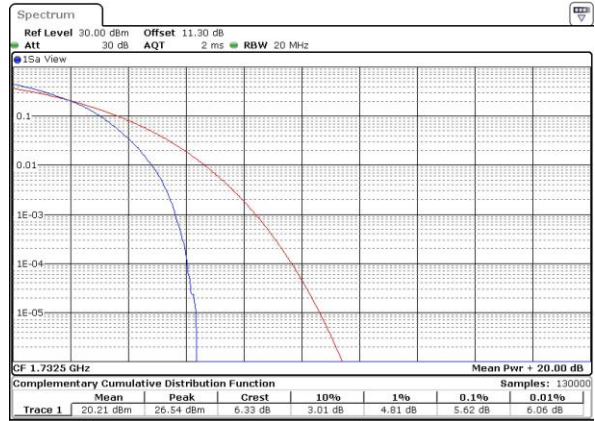
Date: 26 MAY 2016 10:42:42

Middle Channel / 1RB



Date: 26 MAY 2016 10:42:59

Middle Channel / Full RB



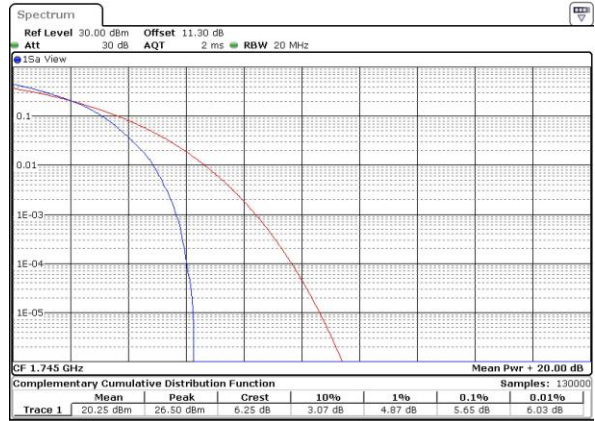
Date: 26 MAY 2016 10:43:22

Highest Channel / 1RB



Date: 26 MAY 2016 10:44:10

Highest Channel / Full RB



Date: 26 MAY 2016 10:45:25



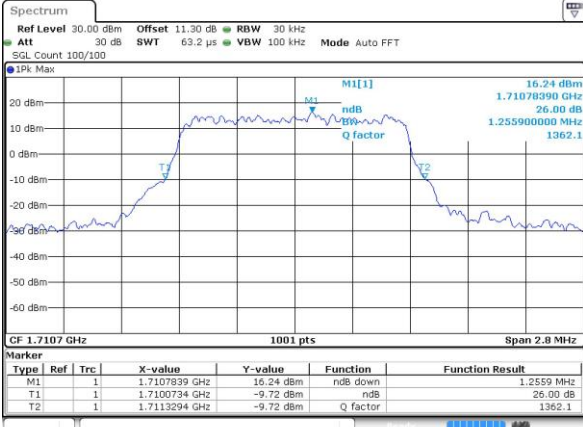
26dB Bandwidth

| Mode | LTE Band 4 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | | | | | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.26 | 1.28 | 3.04 | 3.01 | 4.91 | 4.91 | 9.77 | 9.83 | 14.60 | 14.33 | 20.14 | 20.02 |
| Middle CH | 1.31 | 1.28 | 3.03 | 3.00 | 4.93 | 4.93 | 9.75 | 9.87 | 14.54 | 14.24 | 20.18 | 20.06 |
| Highest CH | 1.27 | 1.26 | 2.99 | 3.02 | 4.94 | 4.99 | 9.67 | 9.75 | 14.21 | 14.33 | 20.14 | 20.18 |



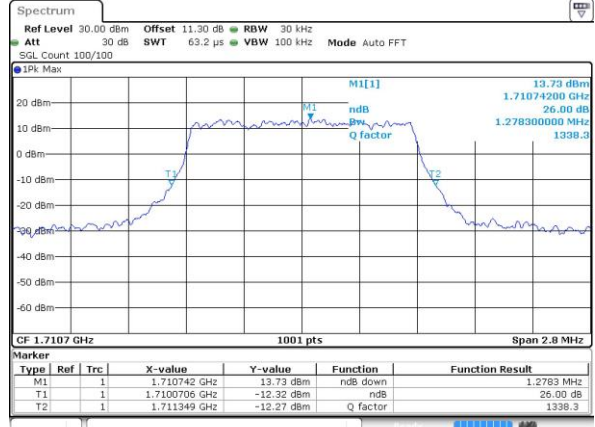
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



Date: 26 MAY 2016 10:24:21

Lowest Channel / 1.4MHz / 16QAM



Date: 26 MAY 2016 10:24:32

Middle Channel / 1.4MHz / QPSK



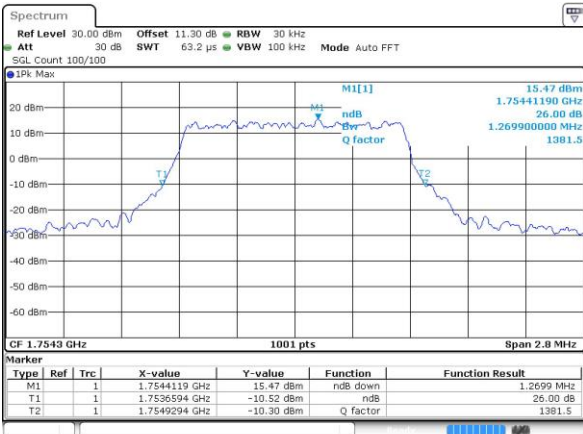
Date: 26 MAY 2016 10:31:31

Middle Channel / 1.4MHz / 16QAM



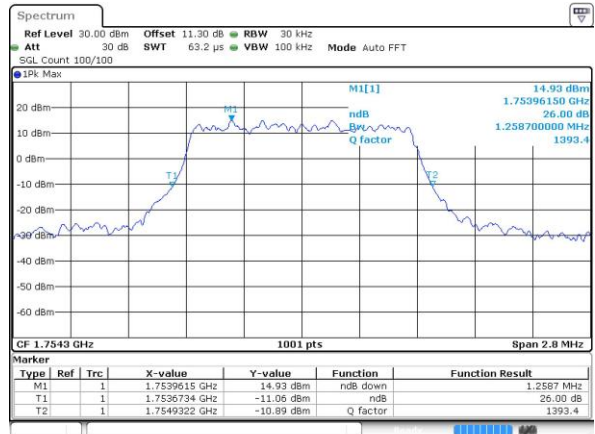
Date: 26 MAY 2016 10:31:42

Highest Channel / 1.4MHz / QPSK



Date: 26 MAY 2016 10:34:03

Highest Channel / 1.4MHz / 16QAM

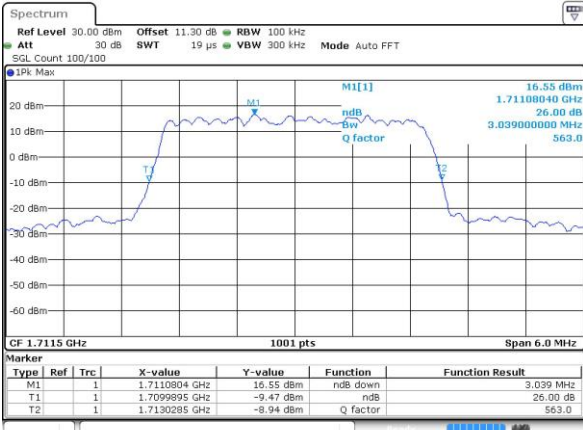


Date: 26 MAY 2016 10:34:13



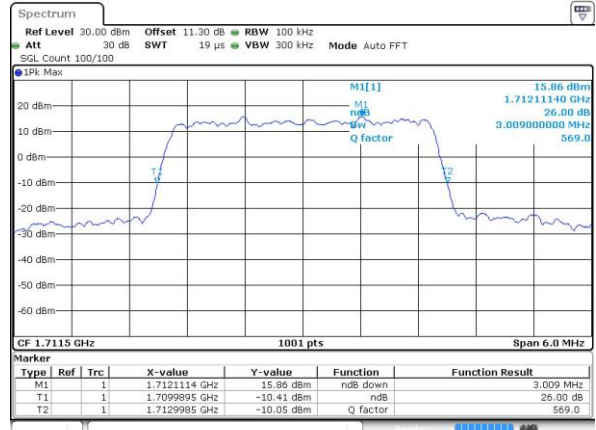
LTE Band 4

Lowest Channel / 3MHz / QPSK



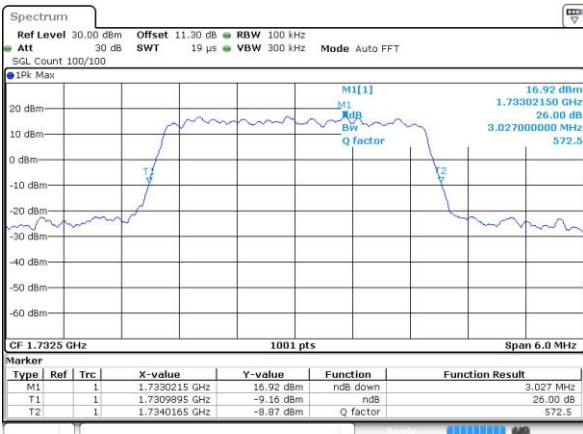
Date: 26 MAY 2016 08:54:13

Lowest Channel / 3MHz / 16QAM



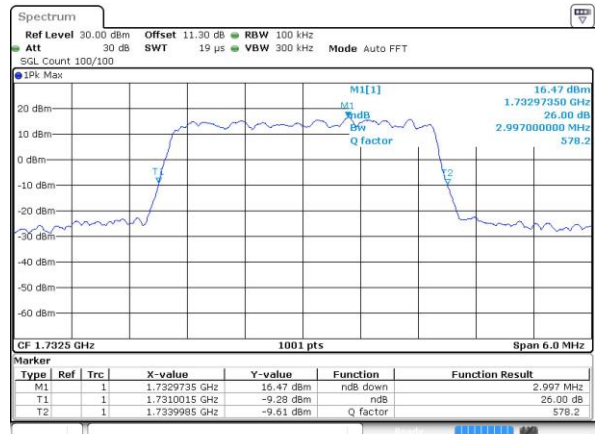
Date: 26 MAY 2016 08:54:24

Middle Channel / 3MHz / QPSK



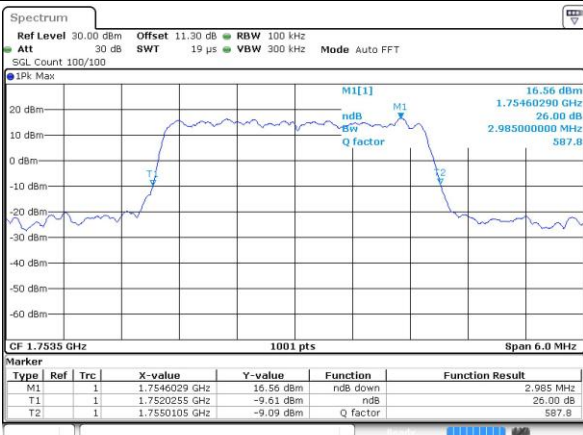
Date: 26 MAY 2016 09:01:22

Middle Channel / 3MHz / 16QAM



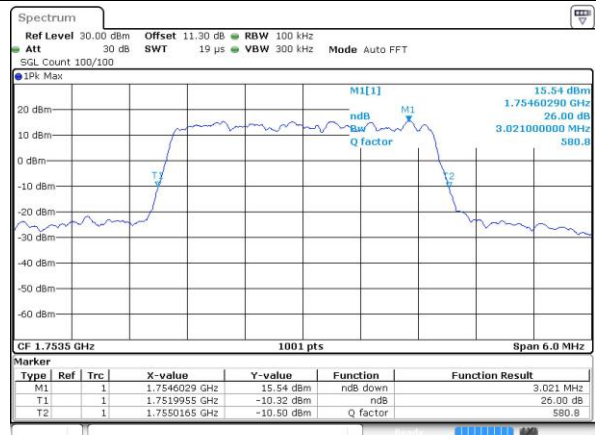
Date: 26 MAY 2016 09:01:33

Highest Channel / 3MHz / QPSK



Date: 26 MAY 2016 09:03:54

Highest Channel / 3MHz / 16QAM

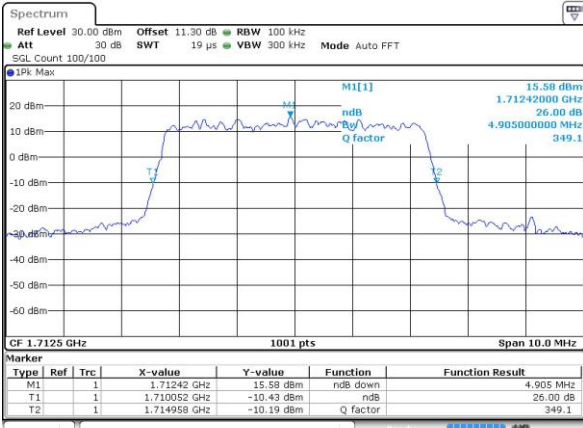


Date: 26 MAY 2016 09:04:05



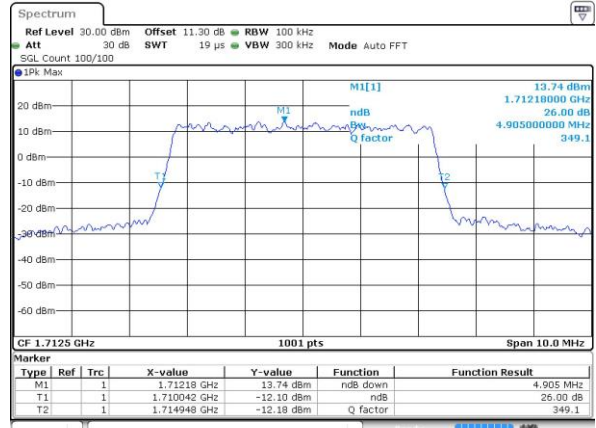
LTE Band 4

Lowest Channel / 5MHz / QPSK



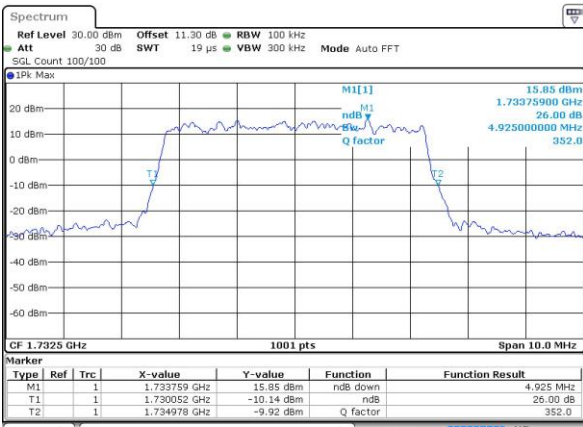
Date: 26 MAY 2016 09:11:03

Lowest Channel / 5MHz / 16QAM



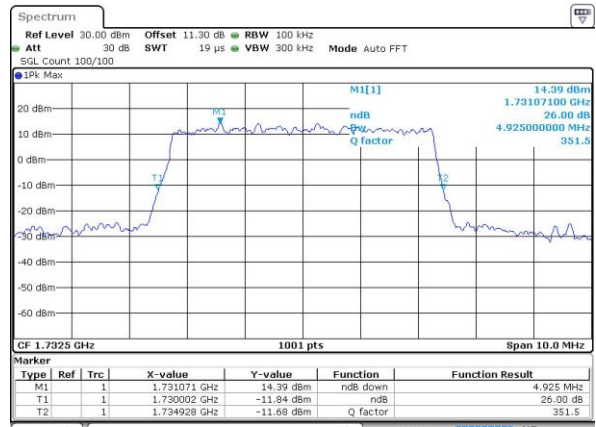
Date: 26 MAY 2016 09:11:14

Middle Channel / 5MHz / QPSK



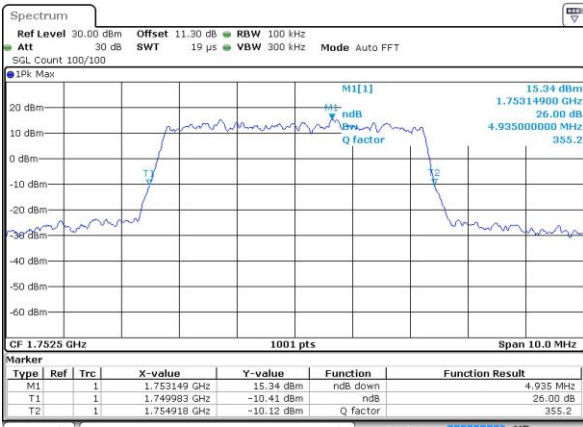
Date: 26 MAY 2016 09:18:12

Middle Channel / 5MHz / 16QAM



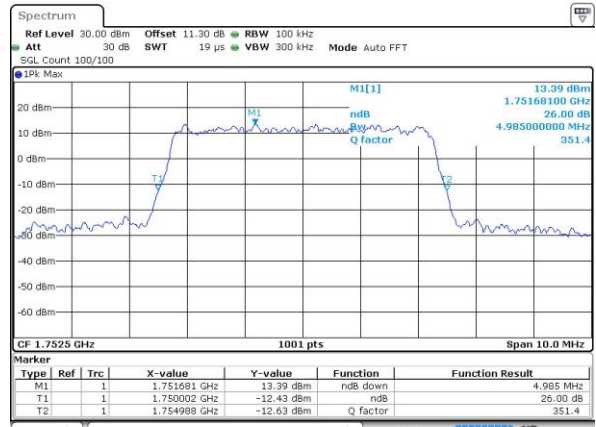
Date: 26 MAY 2016 09:18:22

Highest Channel / 5MHz / QPSK



Date: 26 MAY 2016 09:20:44

Highest Channel / 5MHz / 16QAM



Date: 26 MAY 2016 09:20:54