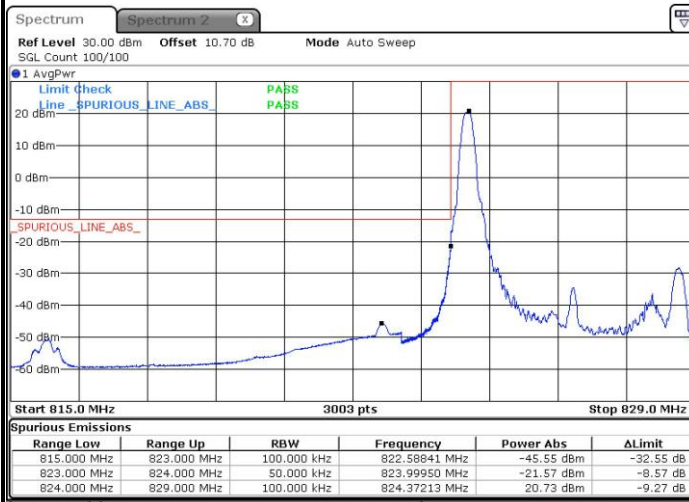




LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



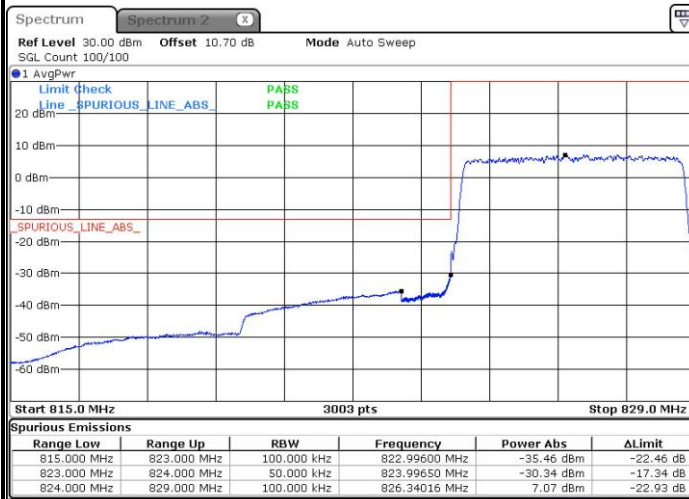
Date: 24.MAY.2016 12:04:33

Highest Band Edge / 1 RB



Date: 24.MAY.2016 12:17:44

Lowest Band Edge / Full RB



Date: 24.MAY.2016 12:08:38

Highest Band Edge / Full RB

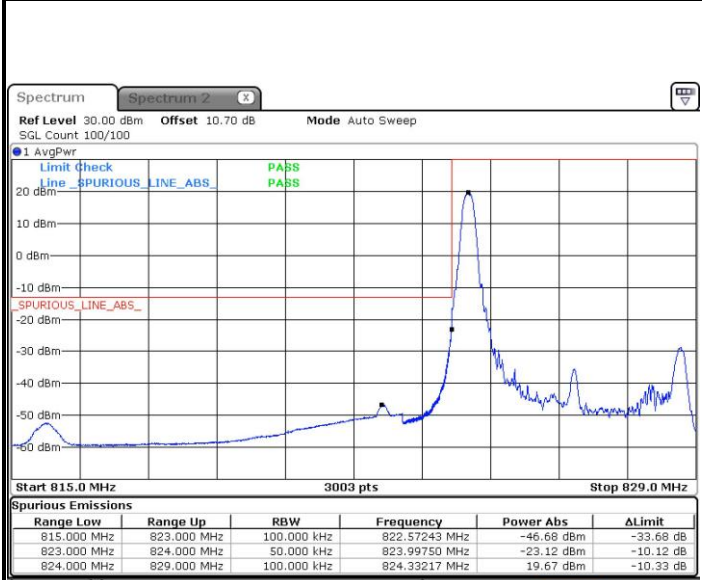


Date: 24.MAY.2016 12:21:49



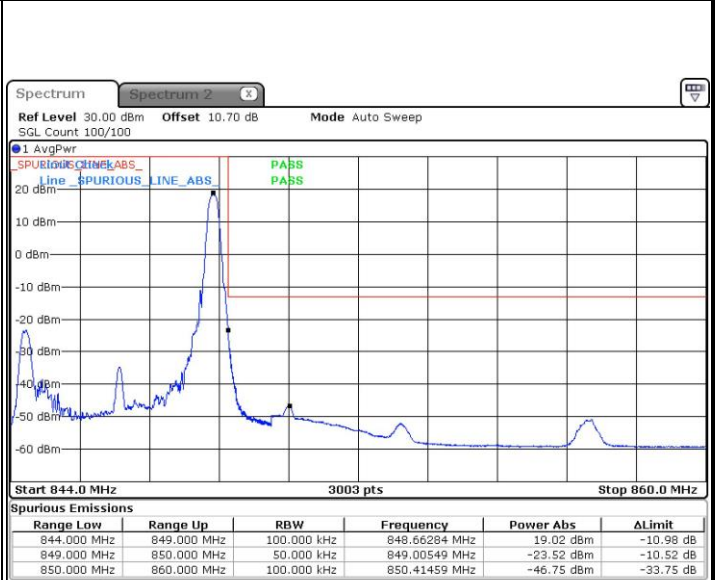
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



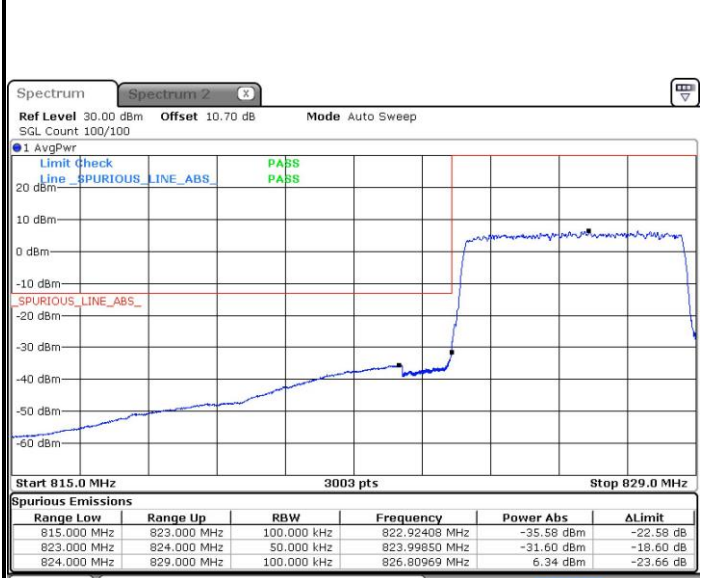
Date: 24.MAY.2016 12:06:36

Highest Band Edge / 1 RB



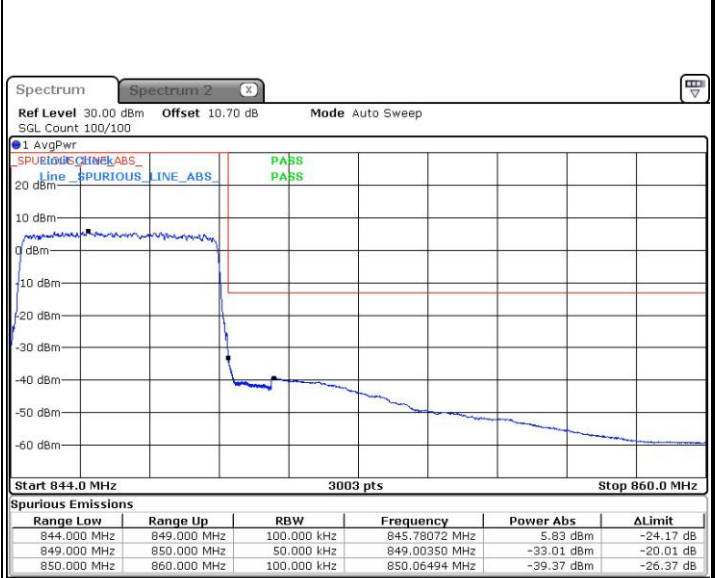
Date: 24.MAY.2016 12:19:46

Lowest Band Edge / Full RB



Date: 24.MAY.2016 12:10:40

Highest Band Edge / Full RB

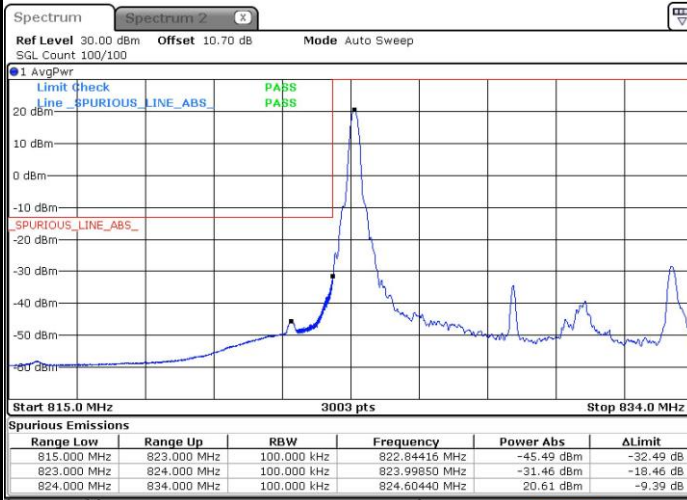


Date: 24.MAY.2016 12:23:51



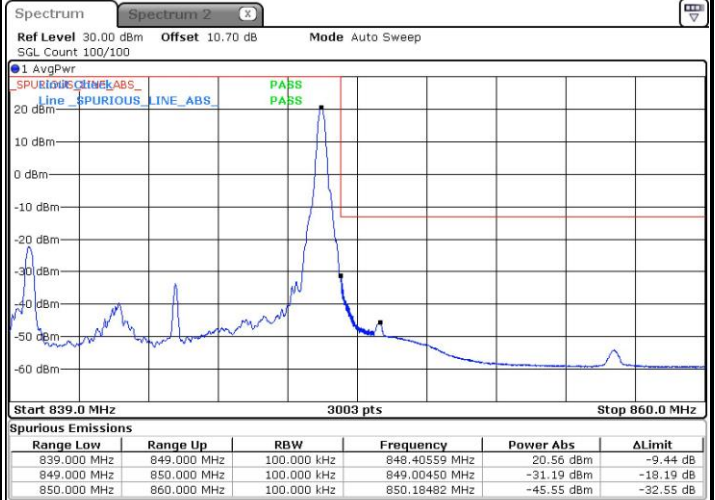
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



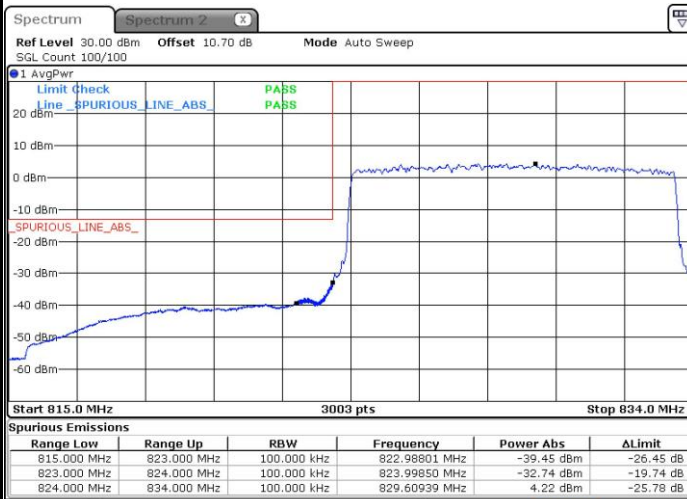
Date: 24.MAY.2016 12:28:24

Highest Band Edge / 1 RB



Date: 24.MAY.2016 12:41:34

Lowest Band Edge / Full RB



Date: 24.MAY.2016 12:32:29

Highest Band Edge / Full RB

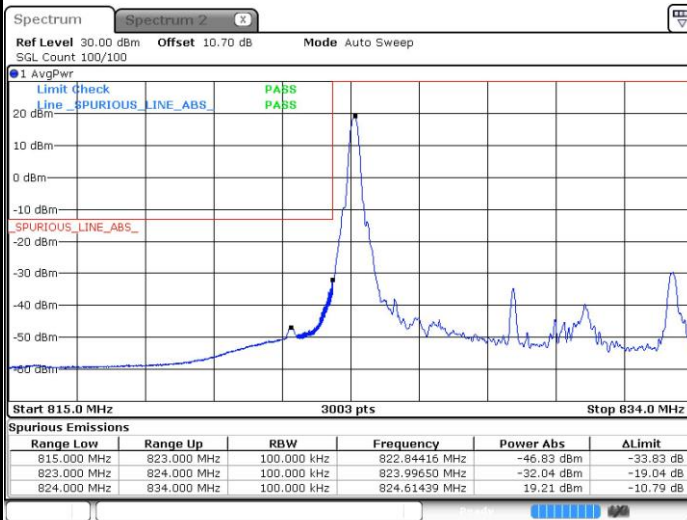


Date: 24.MAY.2016 12:45:38



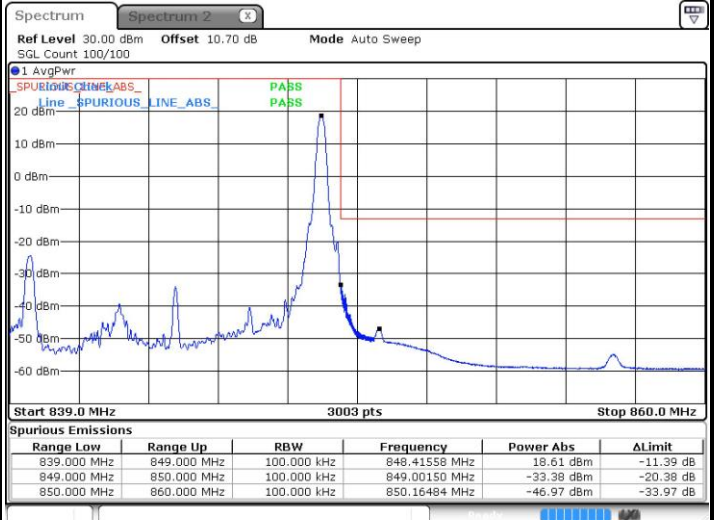
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



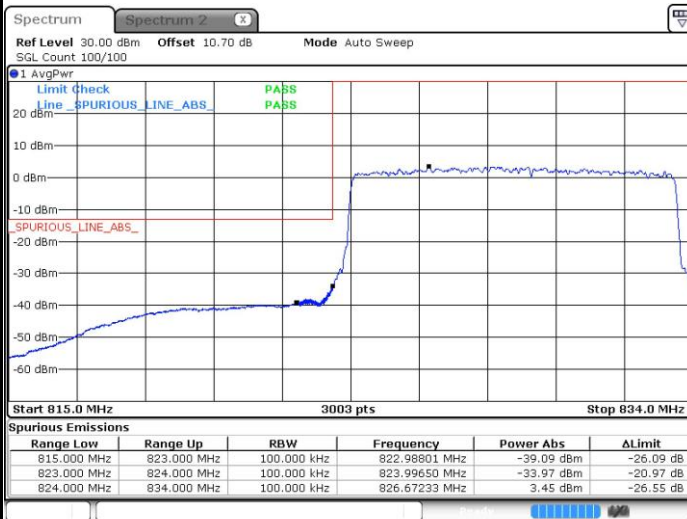
Date: 24.MAY.2016 12:30:26

Highest Band Edge / 1 RB



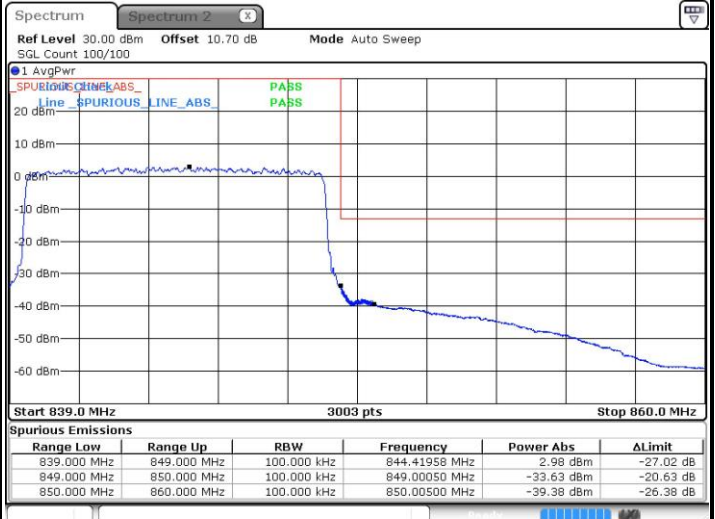
Date: 24.MAY.2016 12:43:36

Lowest Band Edge / Full RB



Date: 24.MAY.2016 12:34:31

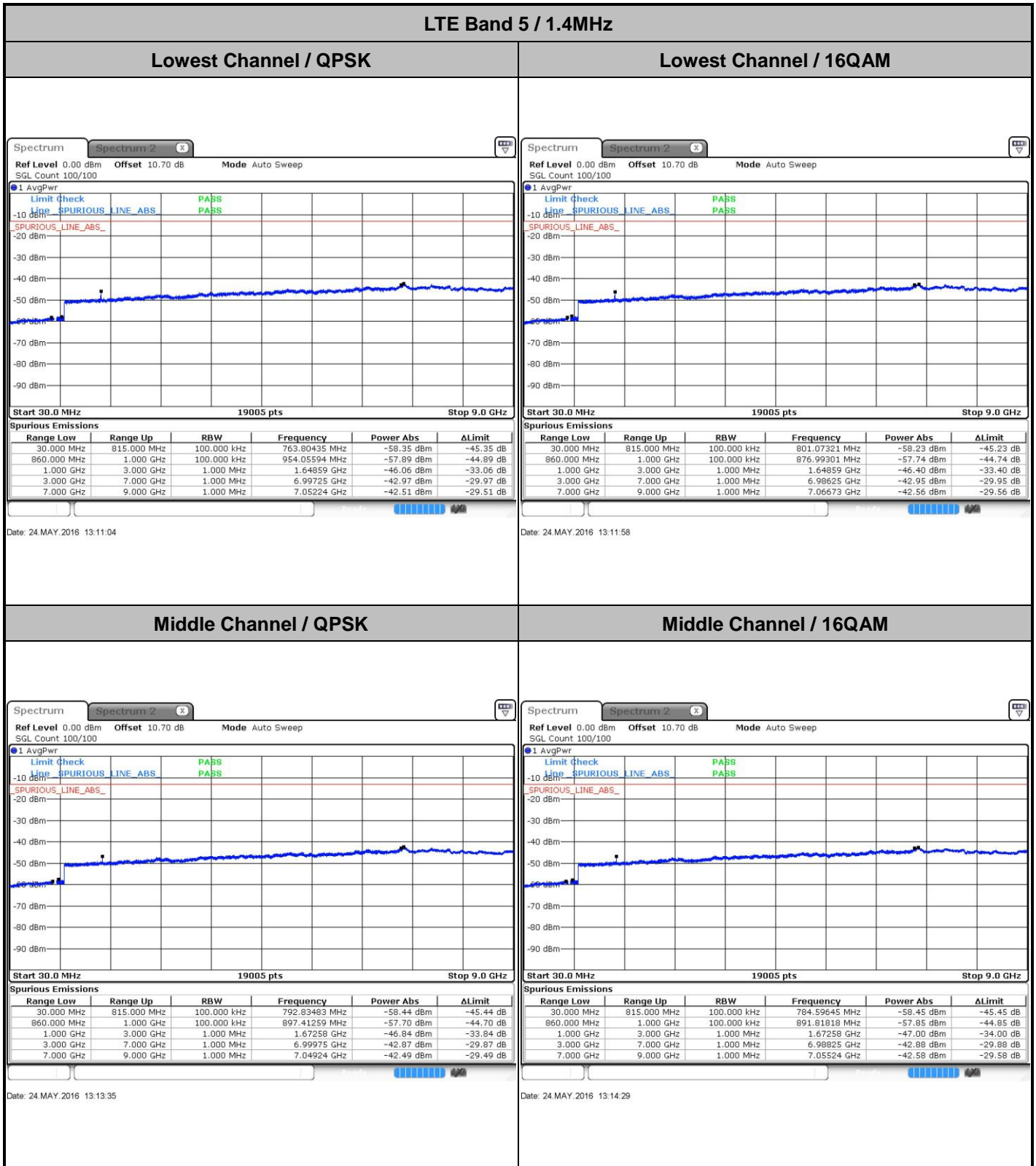
Highest Band Edge / Full RB



Date: 24.MAY.2016 12:47:40



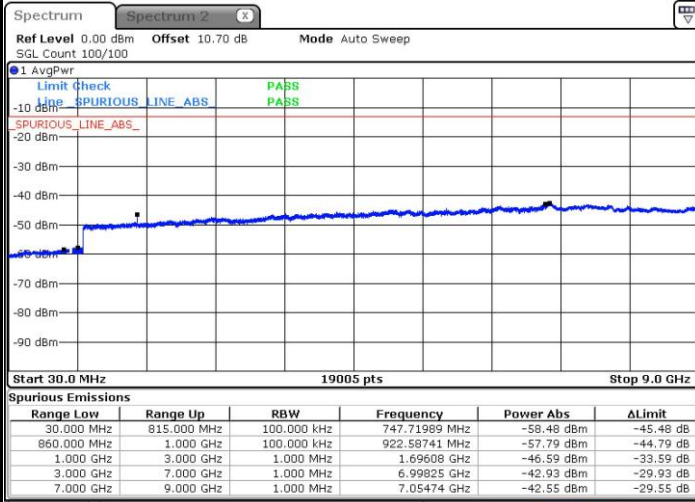
Conducted Spurious Emission





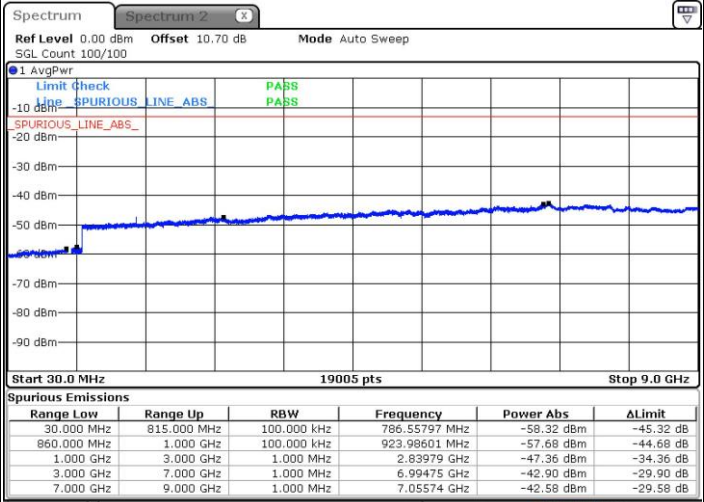
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 24 MAY 2016 13:24:15

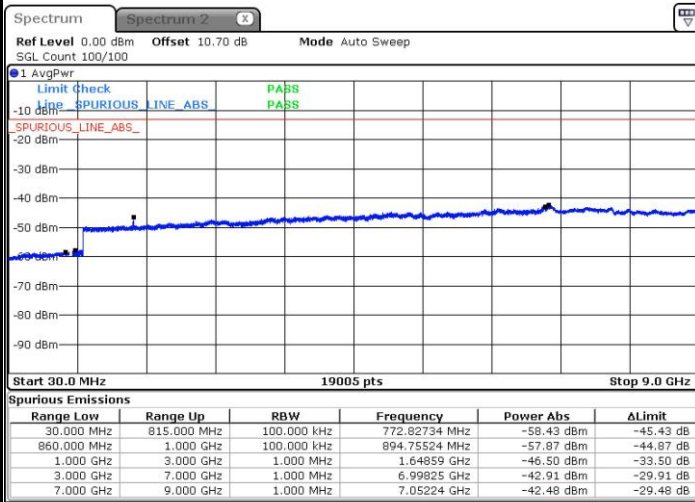
Highest Channel / 16QAM



Date: 24 MAY 2016 13:25:09

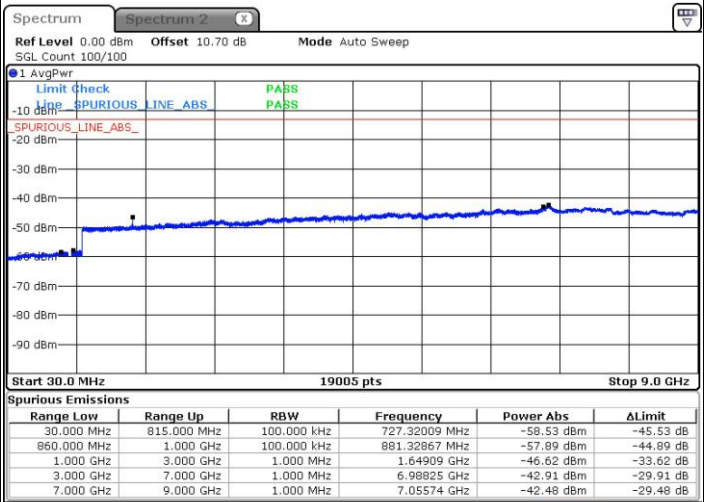
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 24 MAY 2016 11:47:44

Lowest Channel / 16QAM



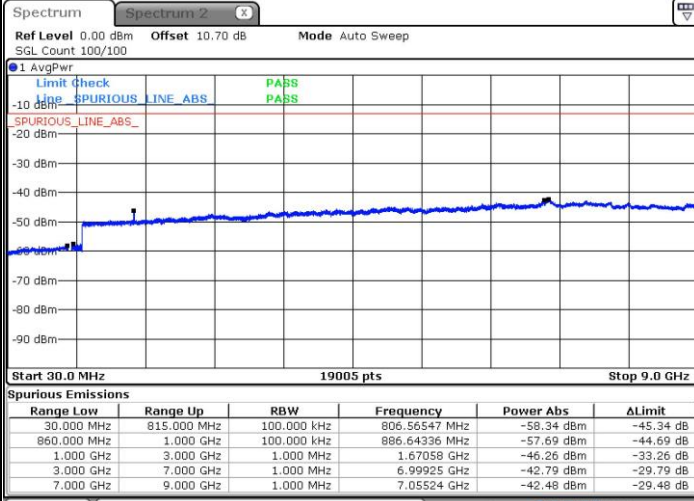
Date: 24 MAY 2016 11:48:38



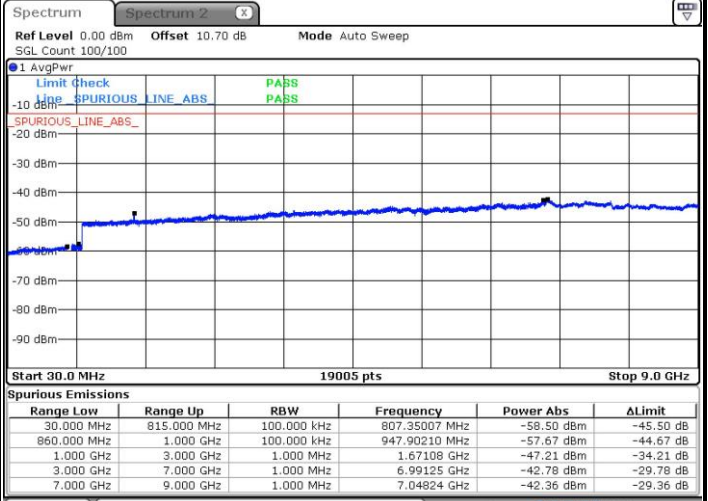
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



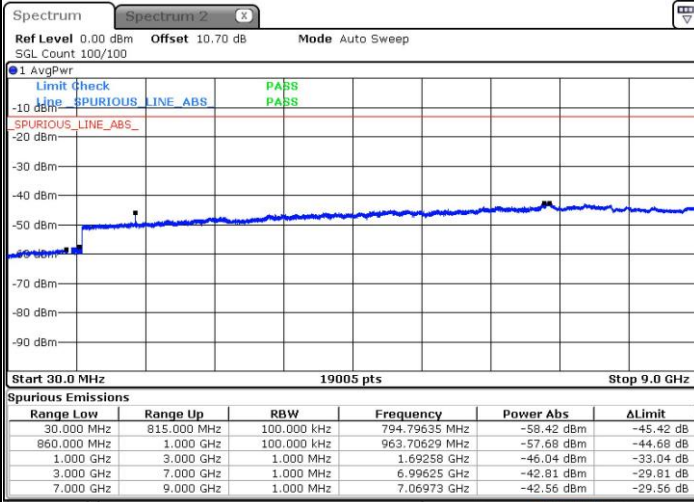
Date: 24 MAY.2016 11:50:15



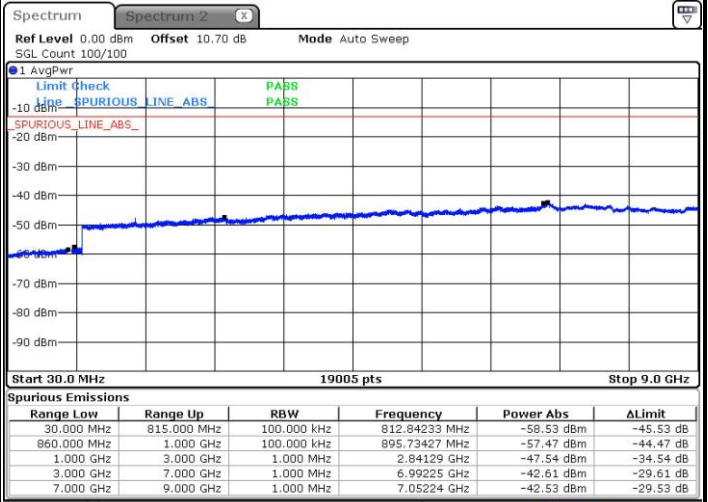
Date: 24 MAY.2016 11:51:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 MAY.2016 12:00:55



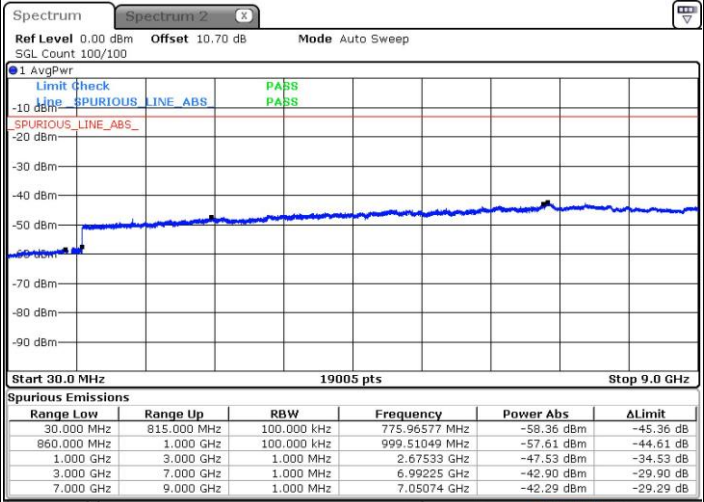
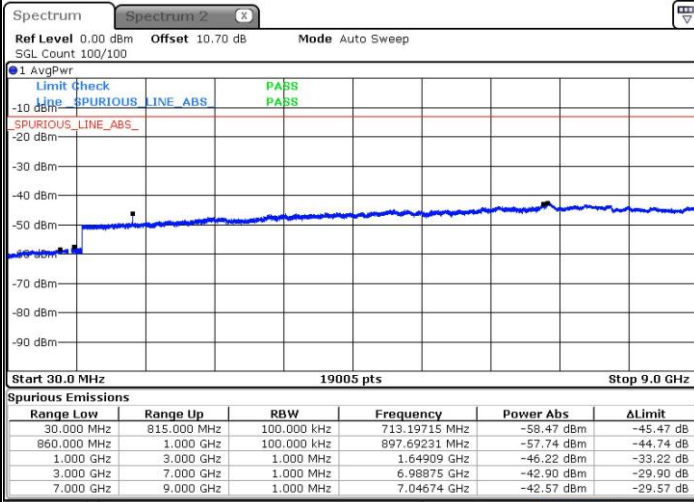
Date: 24 MAY.2016 12:01:49



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

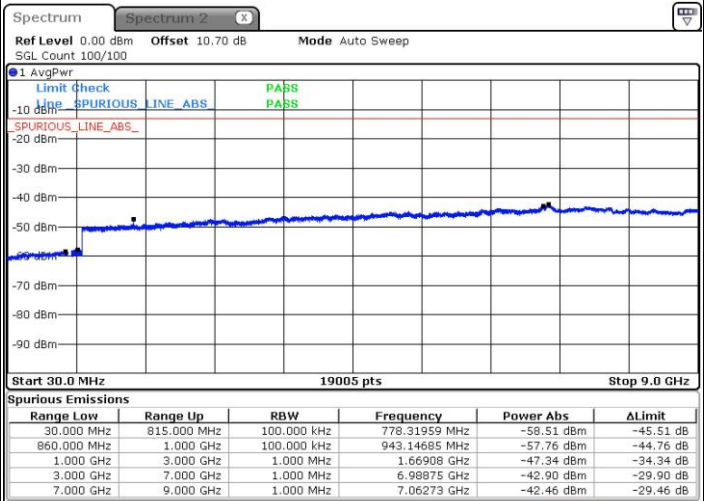
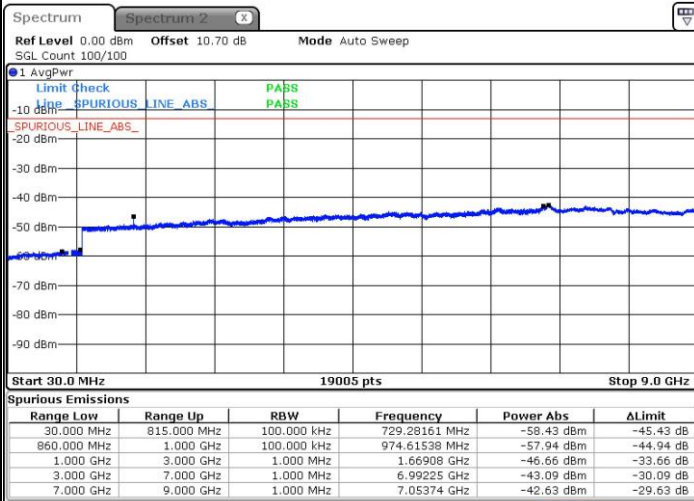


Date: 24 MAY.2016 12:11:35

Date: 24 MAY.2016 12:12:29

Middle Channel / QPSK

Middle Channel / 16QAM



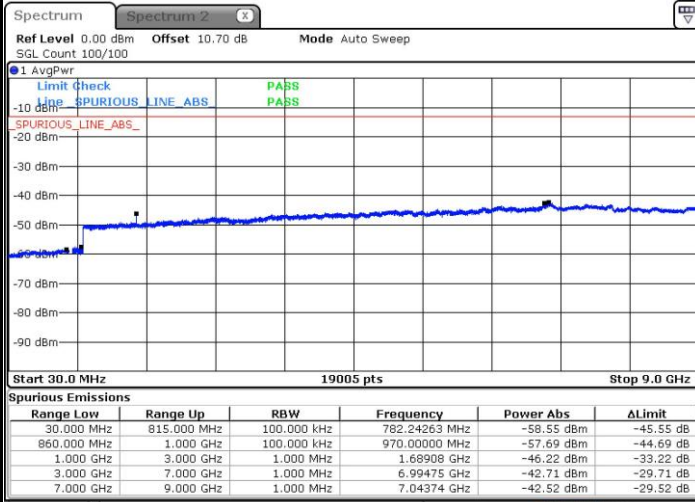
Date: 24 MAY.2016 12:14:06

Date: 24 MAY.2016 12:15:00



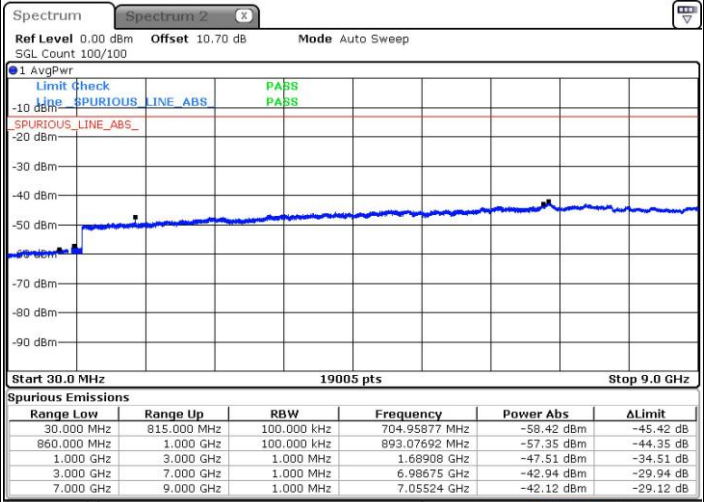
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24 MAY 2016 12:24:46

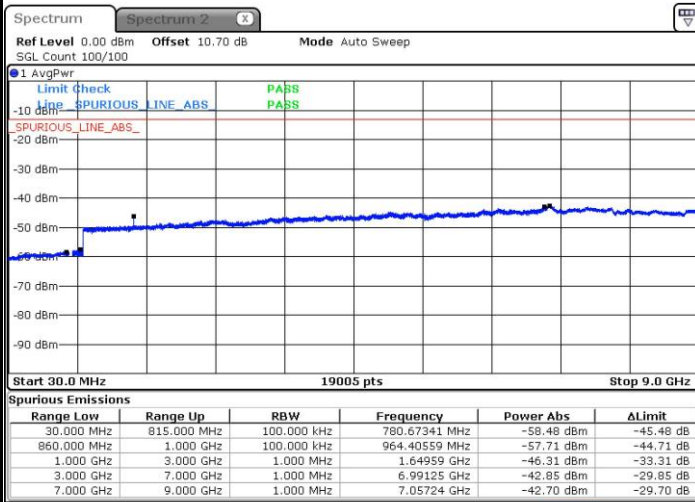
Highest Channel / 16QAM



Date: 24 MAY 2016 12:25:40

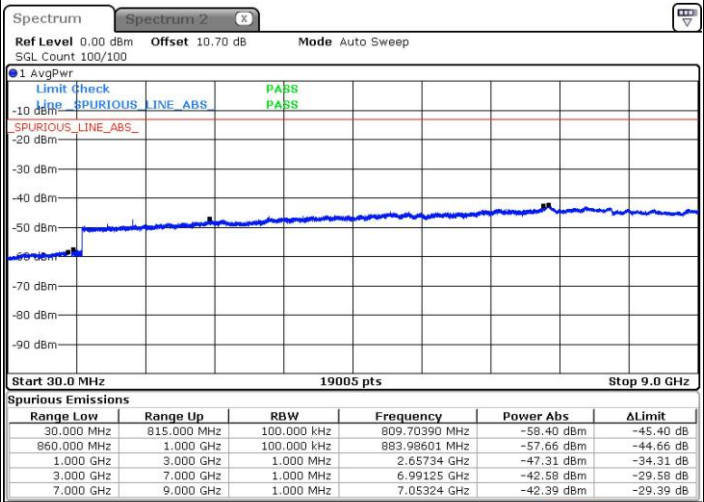
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24 MAY 2016 12:35:26

Lowest Channel / 16QAM



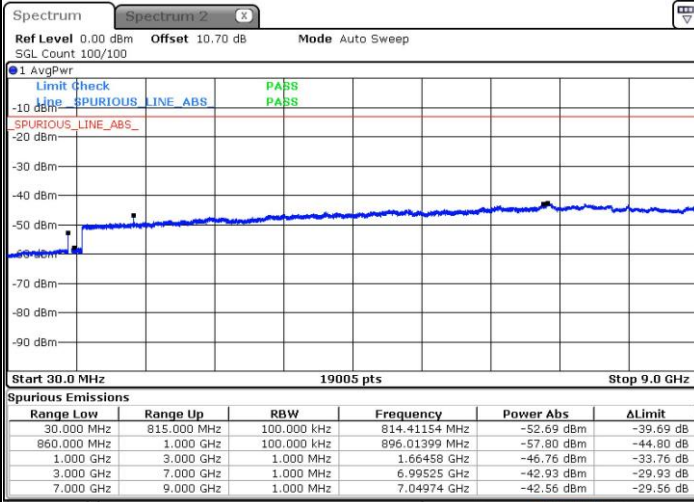
Date: 24 MAY 2016 12:36:20



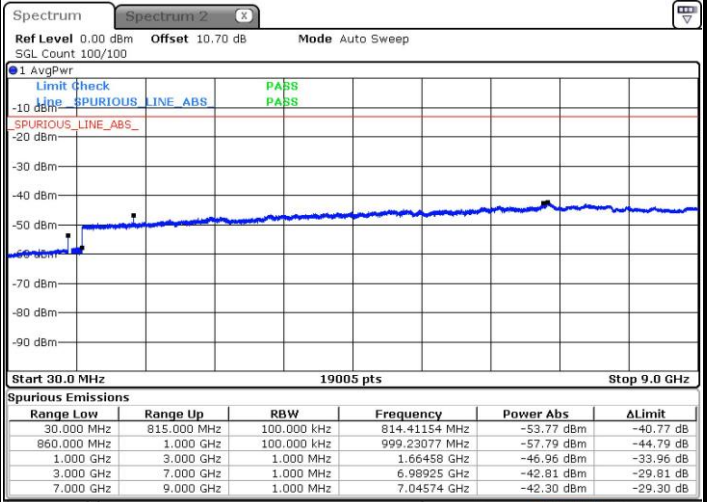
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



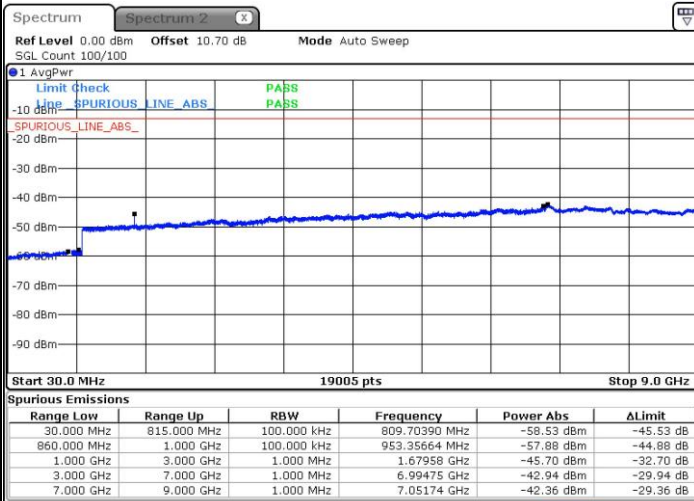
Date: 24 MAY.2016 12:37:56



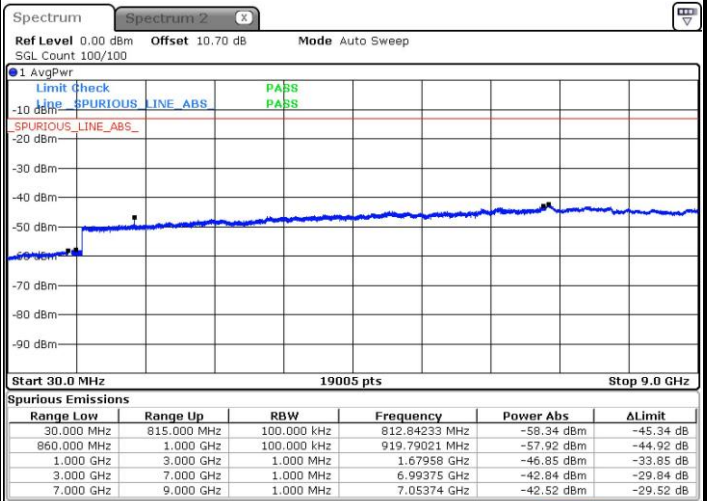
Date: 24 MAY.2016 12:38:50

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 MAY.2016 12:48:35



Date: 24 MAY.2016 12:49:29



Frequency Stability

| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0010 | PASS |
| 40 | Normal Voltage | 0.0062 | |
| 30 | Normal Voltage | 0.0013 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0092 | |
| 0 | Normal Voltage | 0.0096 | |
| -10 | Normal Voltage | 0.0071 | |
| -20 | Normal Voltage | 0.0065 | |
| -30 | Normal Voltage | 0.0000 | |
| 20 | Maximum Voltage | 0.0096 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0069 | |

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 7

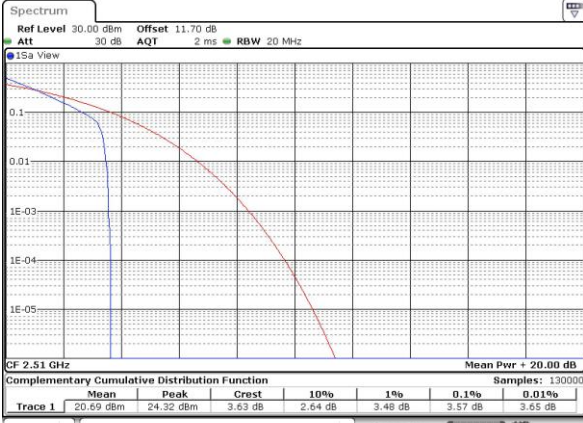
Peak-to-Average Ratio

| Mode | LTE Band 7 / 20MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.57 | 4.84 | 4.58 | 5.80 | PASS |
| Middle CH | 3.71 | 4.75 | 4.49 | 5.80 | |
| Highest CH | 3.57 | 4.84 | 4.35 | 5.80 | |



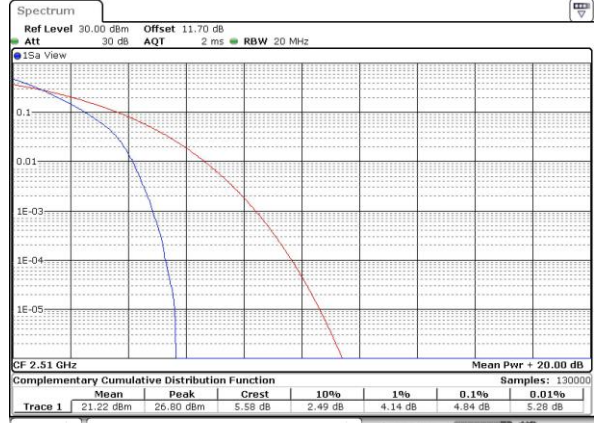
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



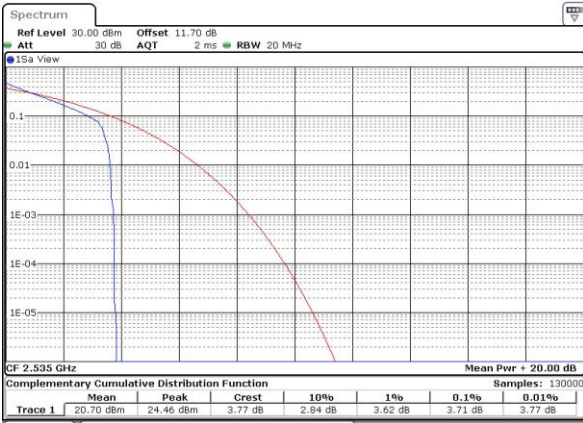
Date: 24 MAY 2016 17:36:14

Lowest Channel / Full RB



Date: 24 MAY 2016 17:36:25

Middle Channel / 1RB



Date: 24 MAY 2016 17:36:39

Middle Channel / Full RB



Date: 24 MAY 2016 17:36:52

Highest Channel / 1RB



Date: 24 MAY 2016 17:37:12

Highest Channel / Full RB

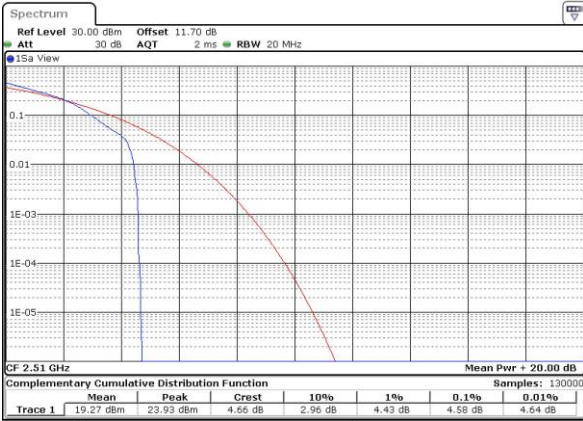


Date: 24 MAY 2016 17:37:24



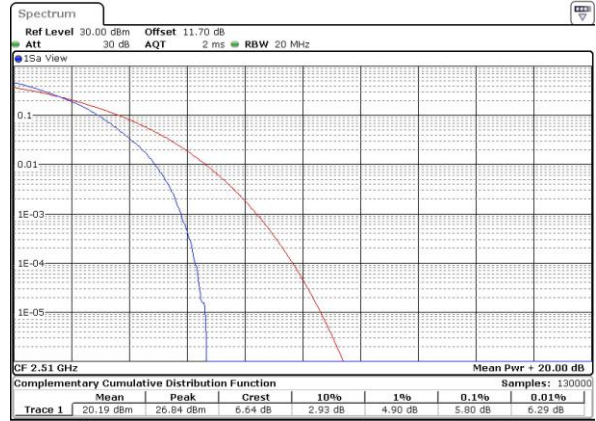
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 24 MAY 2016 17:33:30

Lowest Channel / Full RB



Date: 24 MAY 2016 17:34:47

Middle Channel / 1RB



Date: 24 MAY 2016 17:34:58

Middle Channel / Full RB



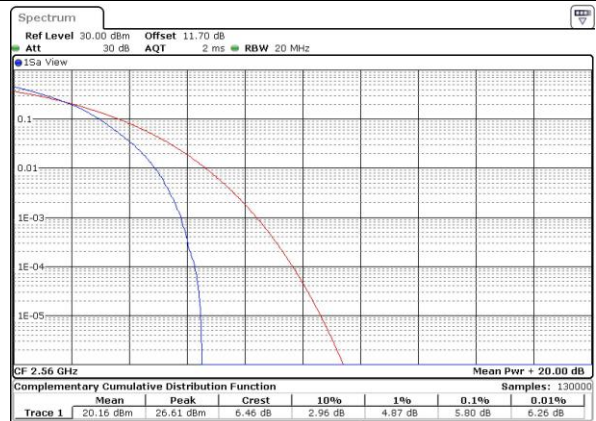
Date: 24 MAY 2016 17:35:27

Highest Channel / 1RB



Date: 24 MAY 2016 17:35:40

Highest Channel / Full RB



Date: 24 MAY 2016 17:35:55



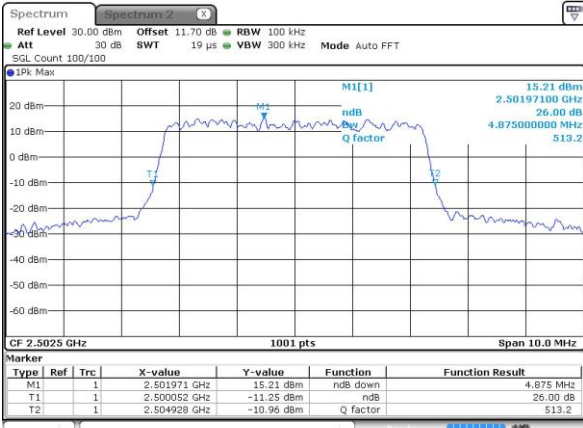
26dB Bandwidth

| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.88 | 4.88 | 9.91 | 9.81 | 14.69 | 14.3 | 20.14 | 20.22 |
| Middle CH | - | - | - | - | 4.96 | 4.97 | 10.01 | 9.95 | 14.36 | 14.27 | 20.26 | 19.98 |
| Highest CH | - | - | - | - | 4.88 | 4.91 | 9.67 | 9.75 | 14.48 | 14.21 | 20.46 | 20.14 |



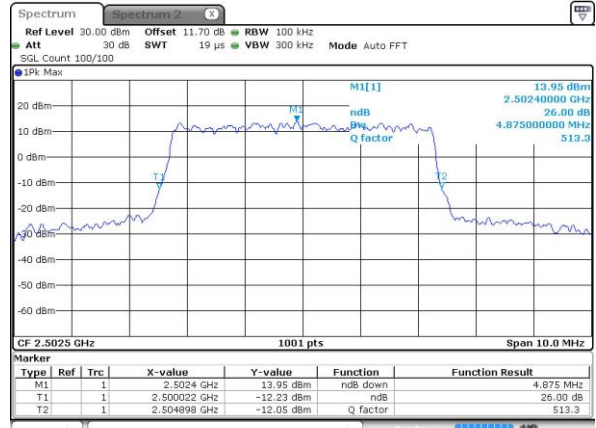
LTE Band 7

Lowest Channel / 5MHz / QPSK



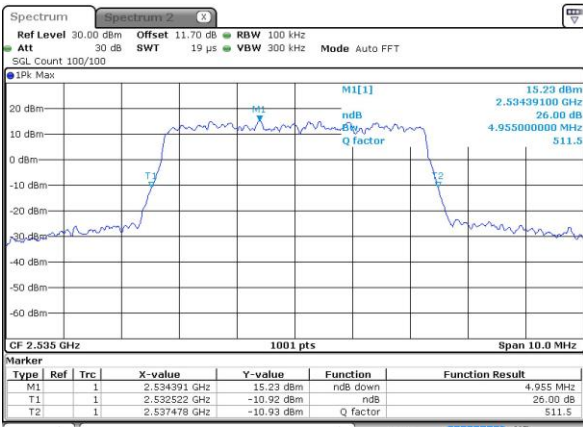
Date: 24 MAY 2016 14:43:04

Lowest Channel / 5MHz / 16QAM



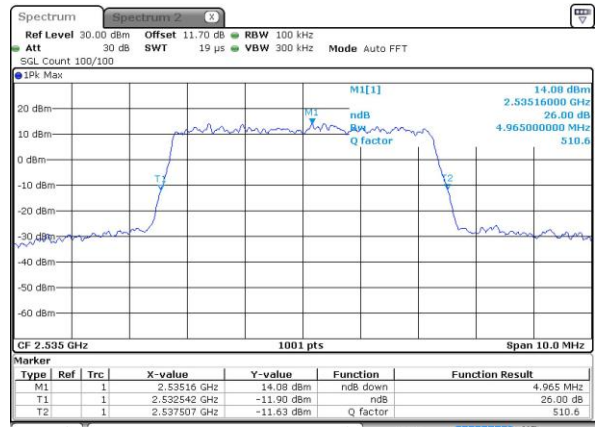
Date: 24 MAY 2016 14:43:14

Middle Channel / 5MHz / QPSK



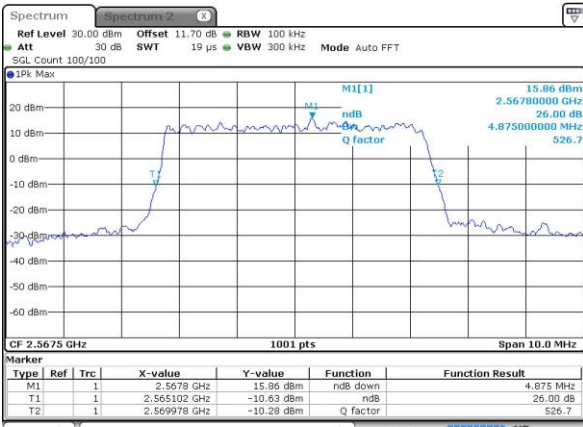
Date: 24 MAY 2016 14:50:13

Middle Channel / 5MHz / 16QAM



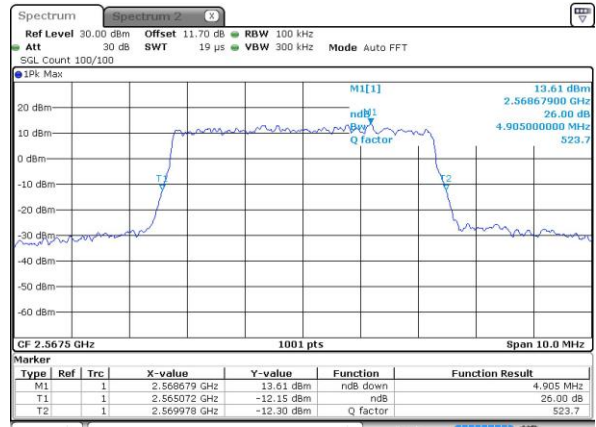
Date: 24 MAY 2016 14:50:23

Highest Channel / 5MHz / QPSK



Date: 24 MAY 2016 14:52:43

Highest Channel / 5MHz / 16QAM

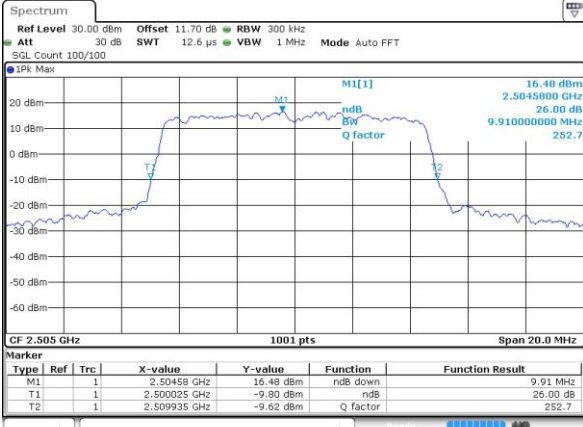


Date: 24 MAY 2016 14:52:53



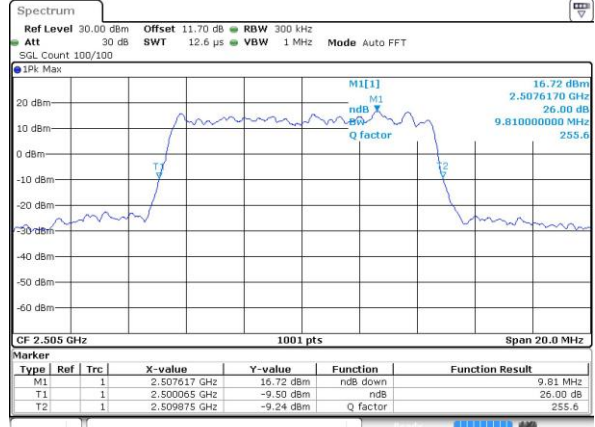
LTE Band 7

Lowest Channel / 10MHz / QPSK



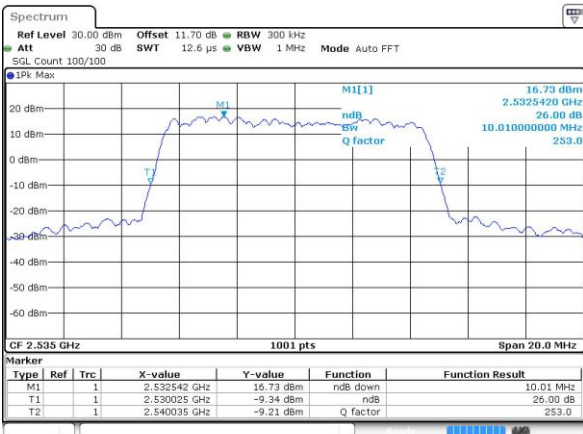
Date: 24 MAY 2016 16:33:56

Lowest Channel / 10MHz / 16QAM



Date: 24 MAY 2016 16:34:07

Middle Channel / 10MHz / QPSK



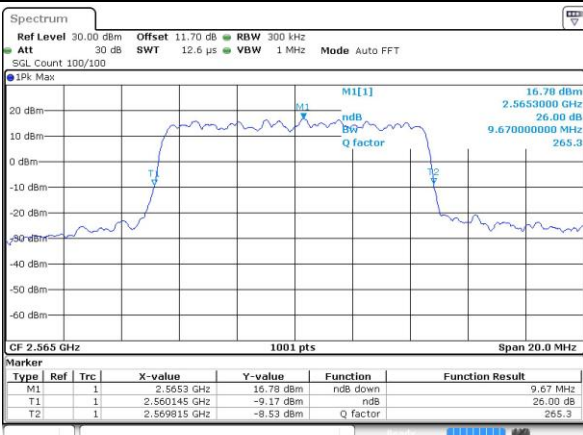
Date: 24 MAY 2016 16:41:06

Middle Channel / 10MHz / 16QAM



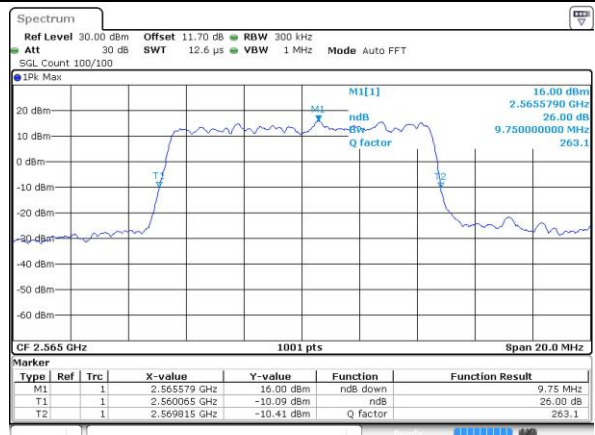
Date: 24 MAY 2016 16:41:16

Highest Channel / 10MHz / QPSK



Date: 24 MAY 2016 16:43:35

Highest Channel / 10MHz / 16QAM



Date: 24 MAY 2016 16:43:46