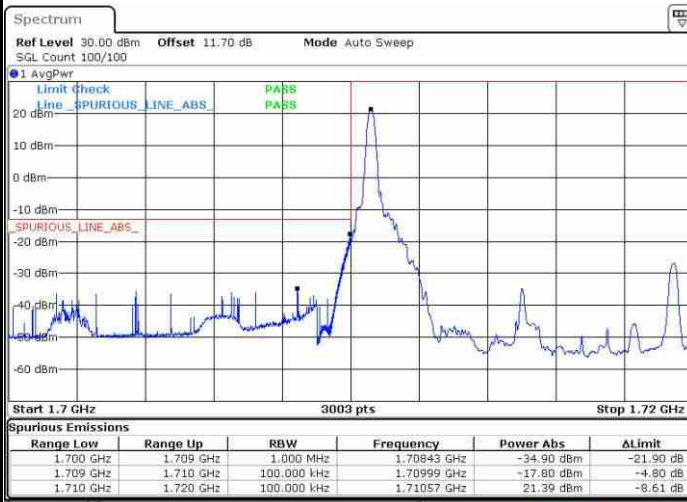




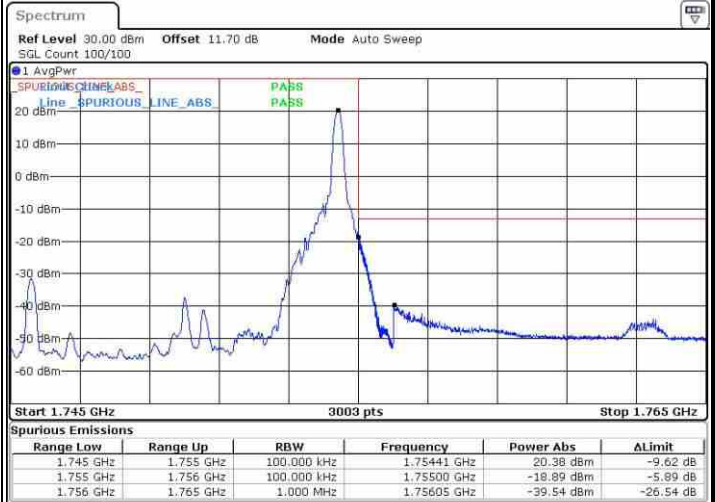
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



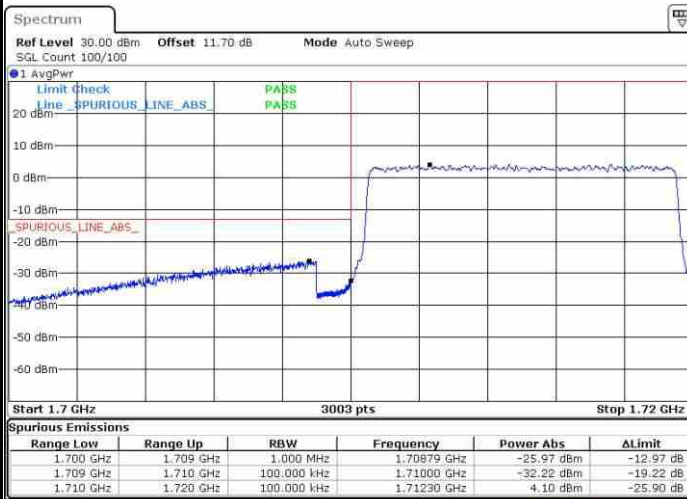
Date: 22.FEB.2016 15:49:37

Highest Band Edge / 1 RB



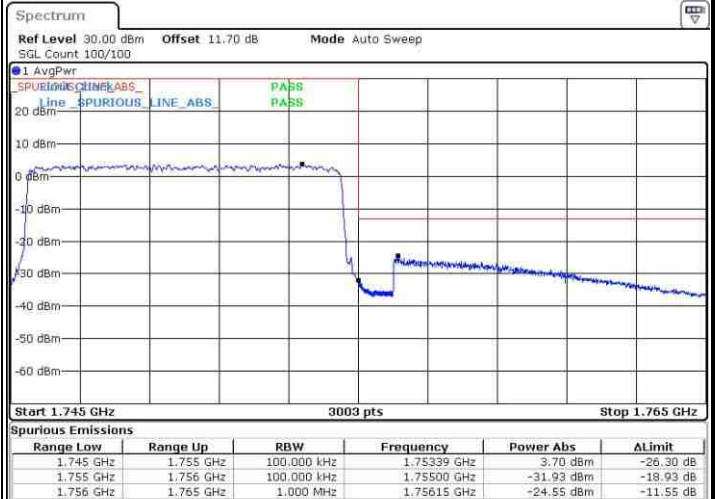
Date: 22.FEB.2016 15:59:17

Lowest Band Edge / Full RB



Date: 22.FEB.2016 15:51:55

Highest Band Edge / Full RB

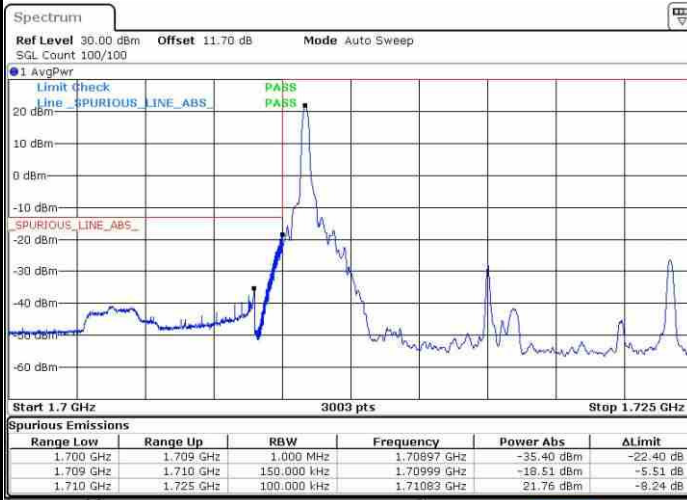


Date: 22.FEB.2016 16:01:36



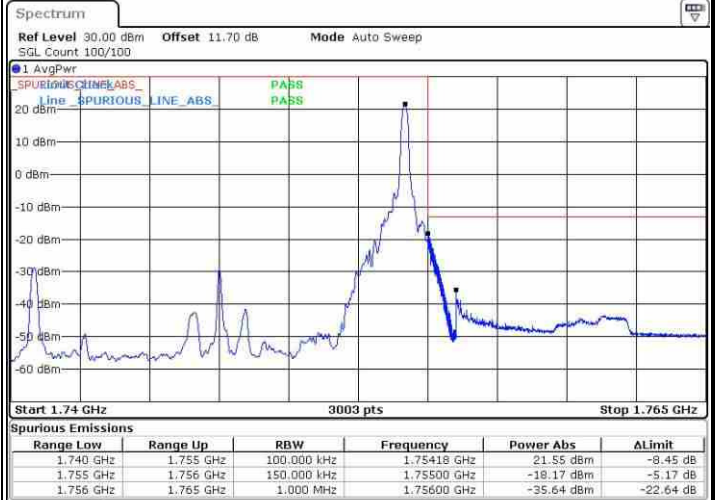
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



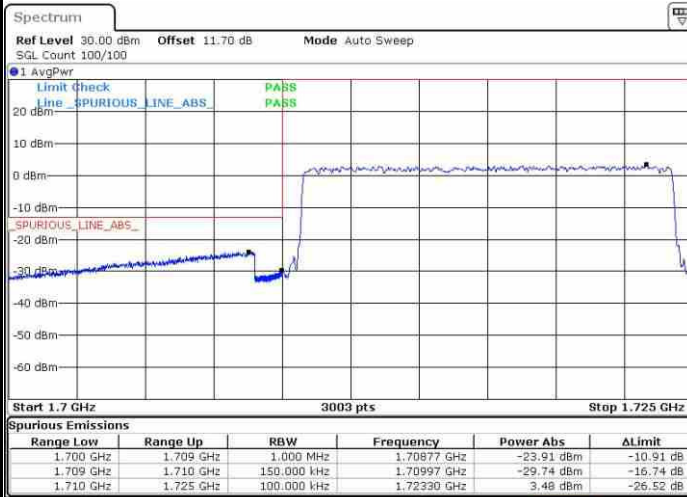
Date: 22.FEB.2016 16:05:17

Highest Band Edge / 1 RB



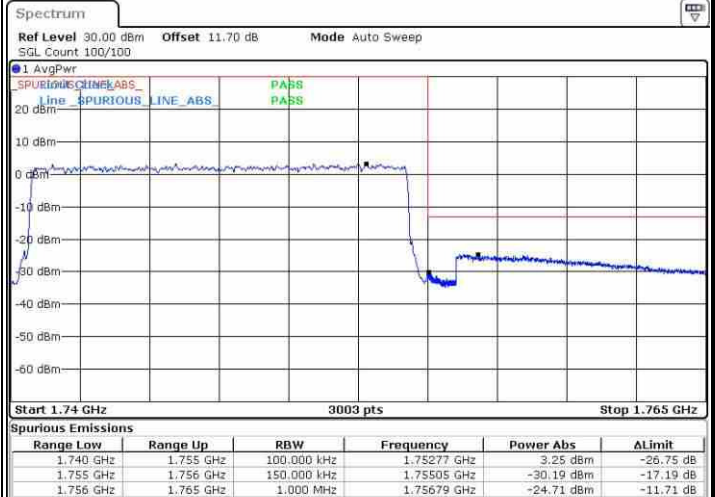
Date: 22.FEB.2016 16:14:57

Lowest Band Edge / Full RB



Date: 22.FEB.2016 16:07:35

Highest Band Edge / Full RB

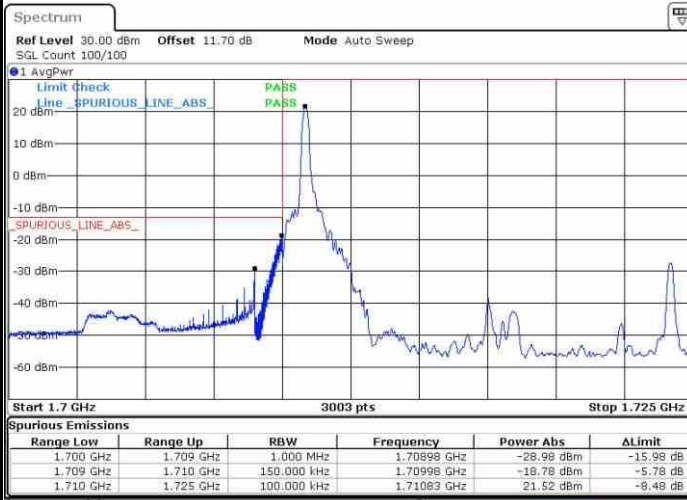


Date: 22.FEB.2016 16:17:16



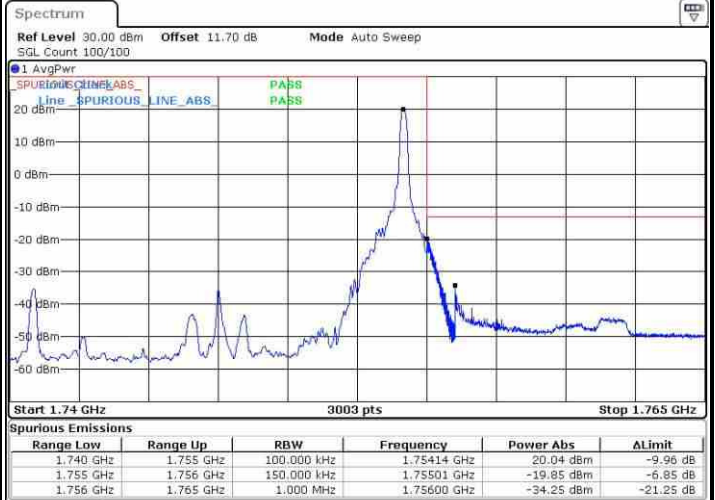
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



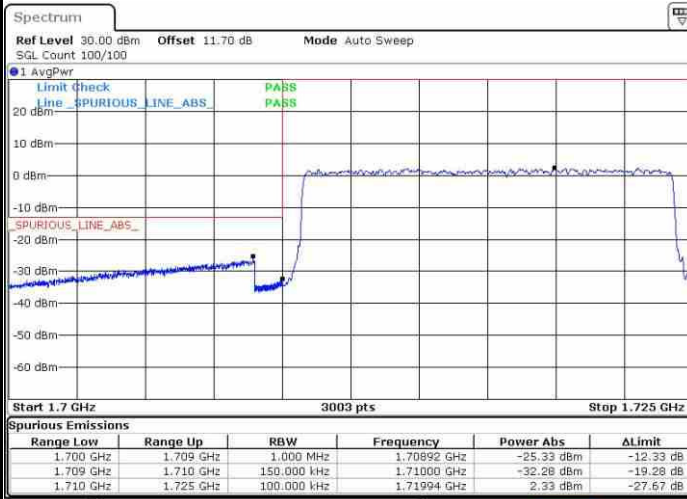
Date: 22.FEB.2016 16:59:18

Highest Band Edge / 1 RB



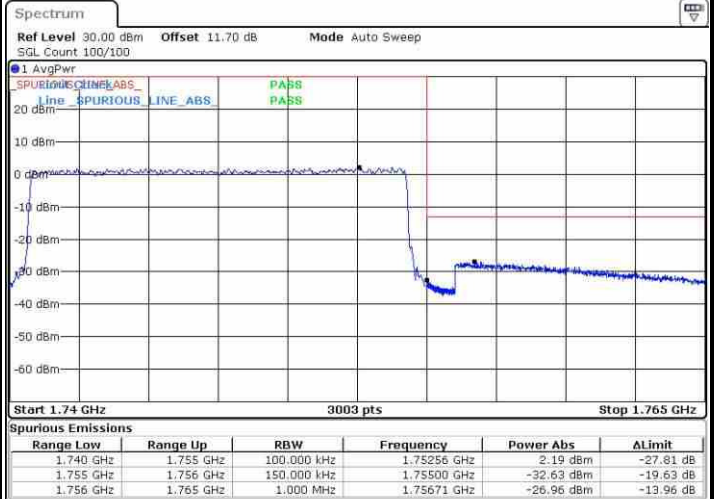
Date: 22.FEB.2016 16:16:06

Lowest Band Edge / Full RB



Date: 22.FEB.2016 16:08:45

Highest Band Edge / Full RB

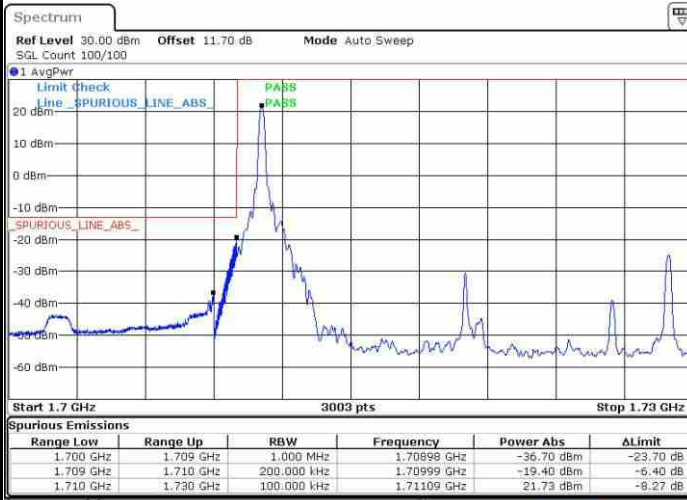


Date: 22.FEB.2016 16:18:25



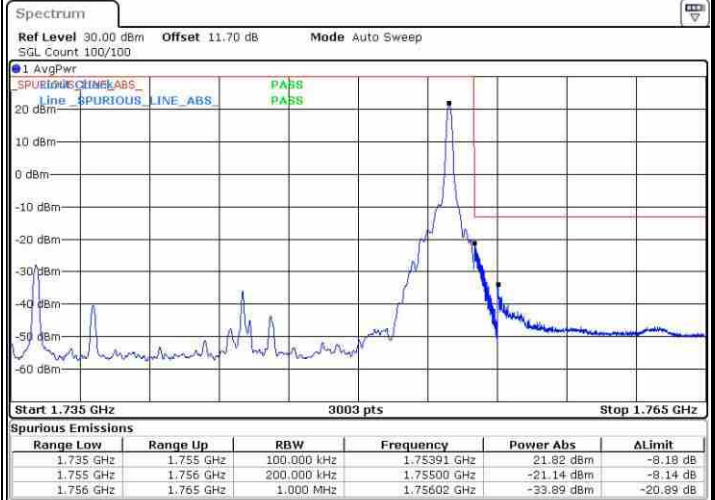
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



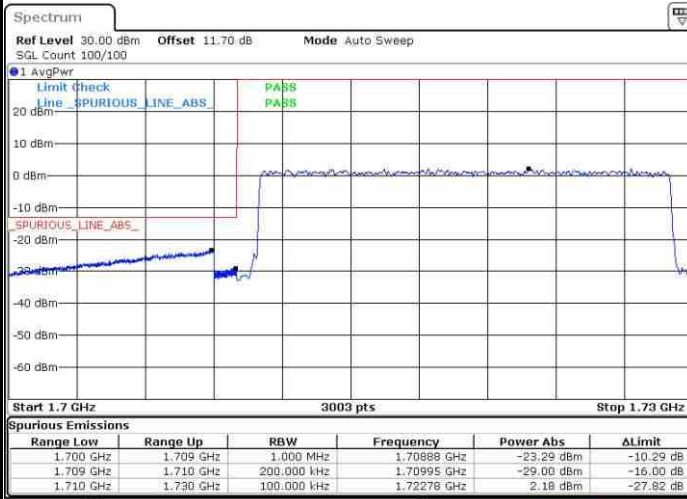
Date: 22.FEB.2016 16:22:05

Highest Band Edge / 1 RB



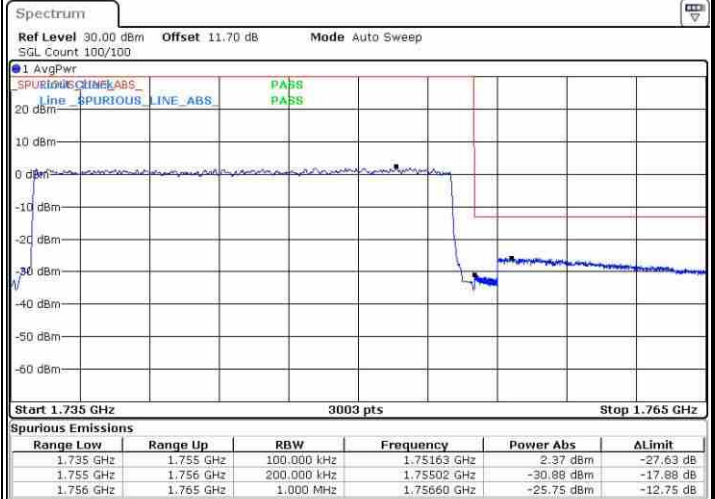
Date: 22.FEB.2016 16:31:44

Lowest Band Edge / Full RB



Date: 22.FEB.2016 16:24:24

Highest Band Edge / Full RB

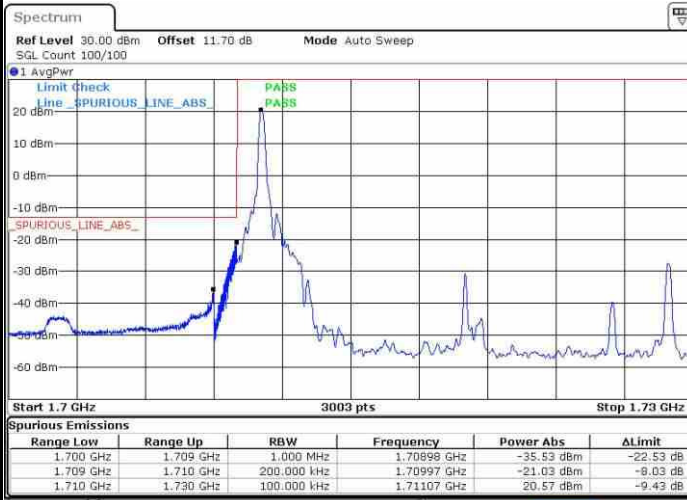


Date: 22.FEB.2016 16:34:03



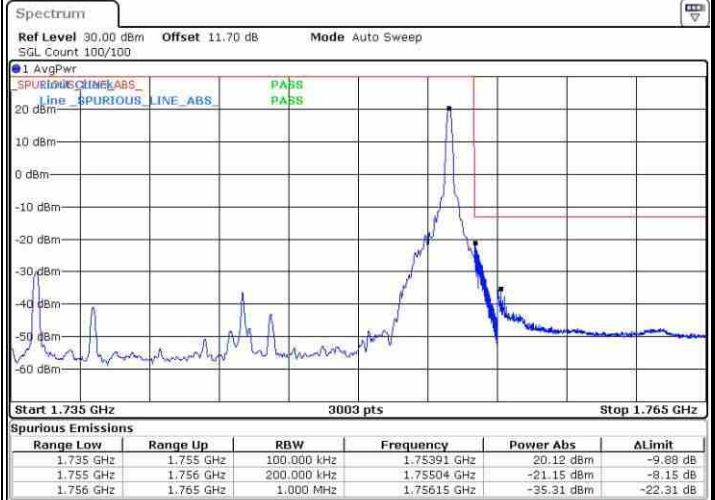
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



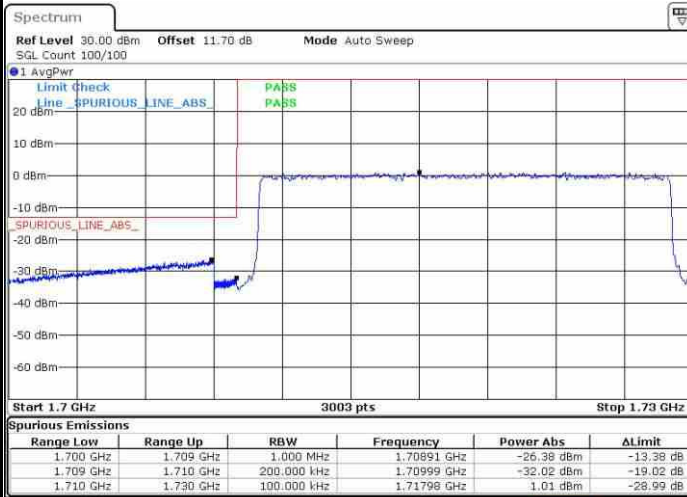
Date: 22.FEB.2016 16:23:15

Highest Band Edge / 1 RB



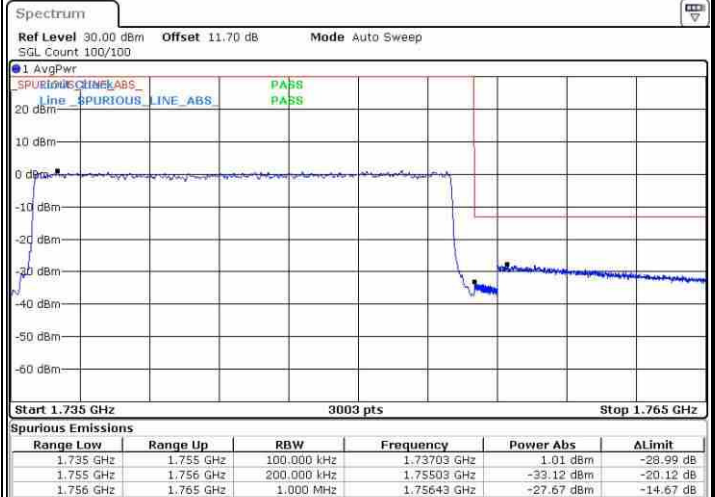
Date: 22.FEB.2016 16:32:54

Lowest Band Edge / Full RB



Date: 22.FEB.2016 16:25:33

Highest Band Edge / Full RB



Date: 22.FEB.2016 16:35:12



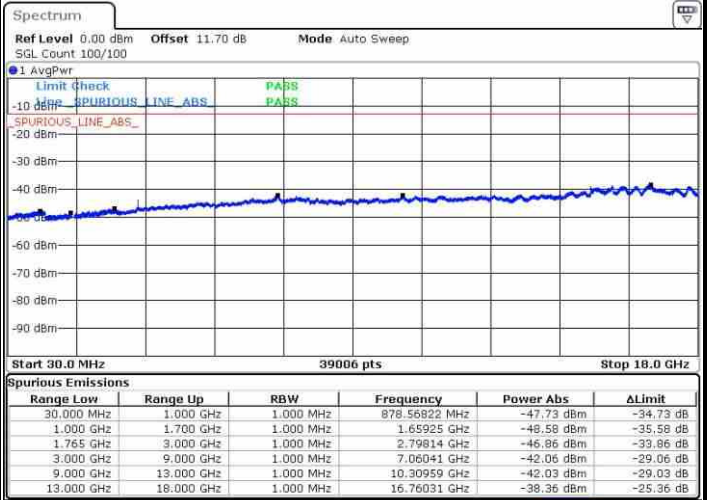
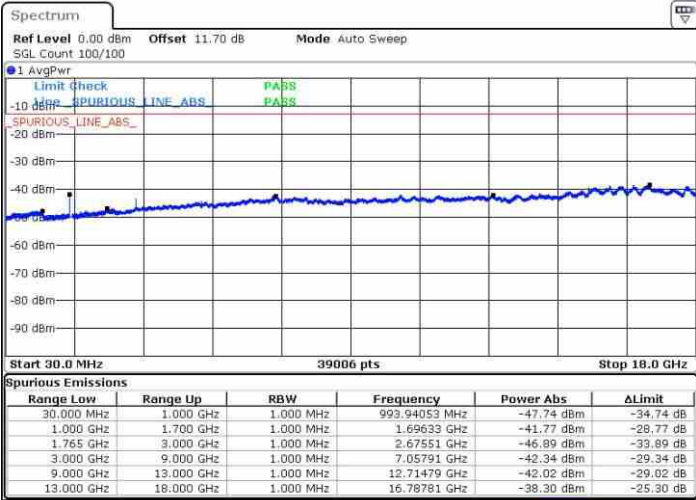
Conducted Spurious Emission



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

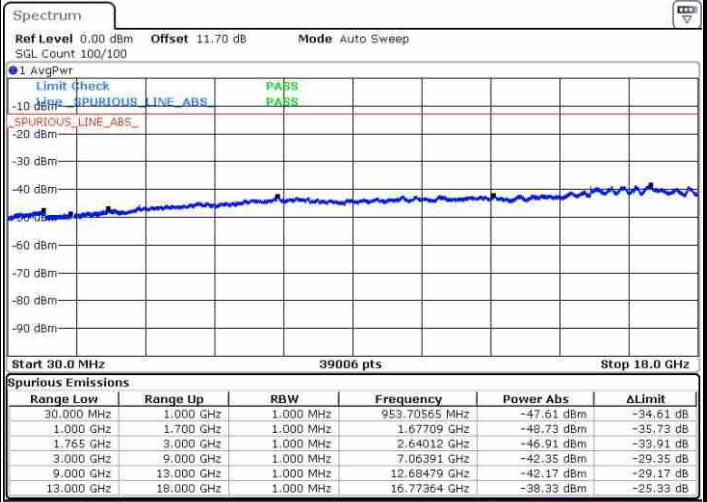
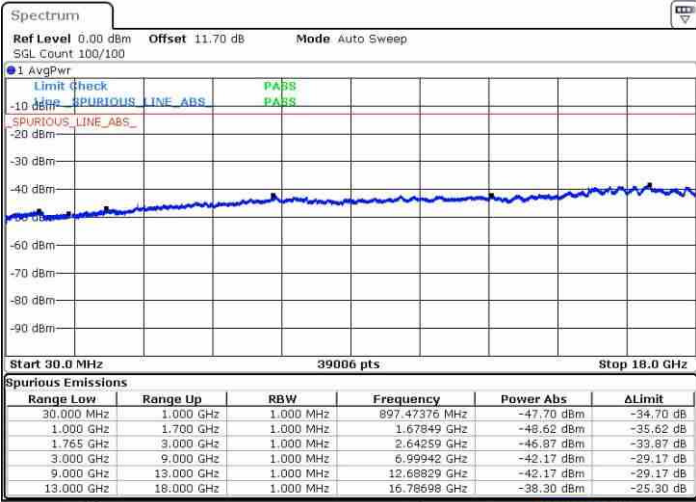


Date: 22 FEB 2016 16:43:15

Date: 22 FEB 2016 16:44:09

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 22 FEB 2016 16:45:46

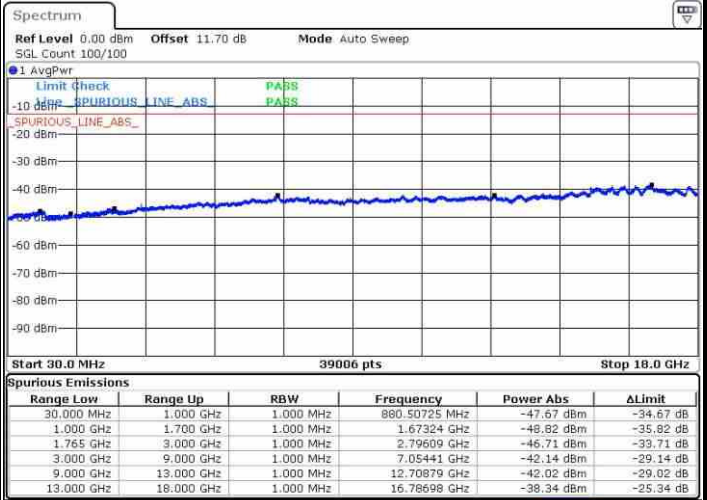
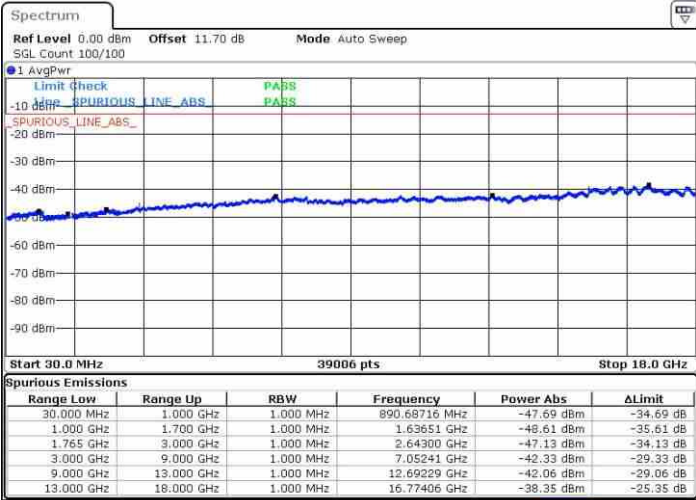
Date: 22 FEB 2016 16:46:40



LTE Band 4 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



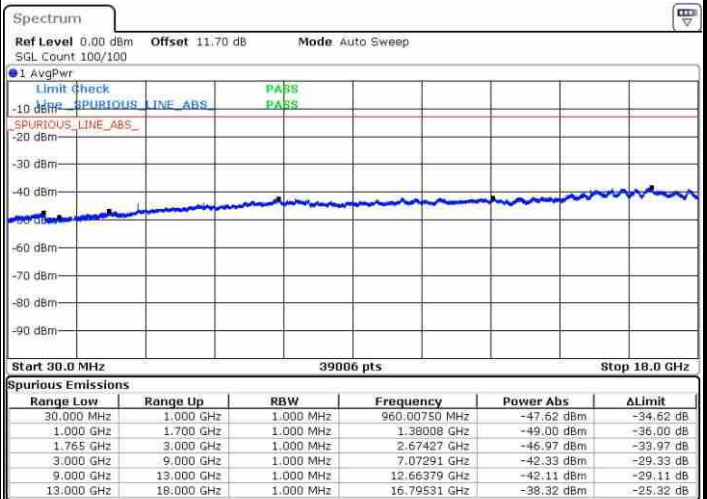
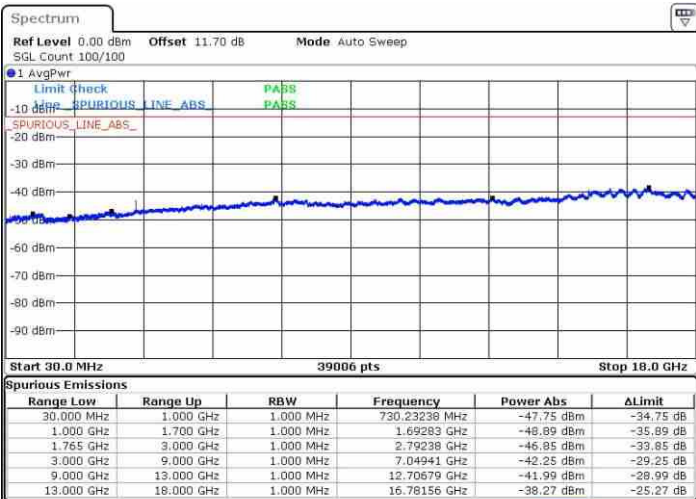
Date: 22 FEB 2016 16:52:53

Date: 22 FEB 2016 16:53:48

LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22 FEB 2016 15:19:13

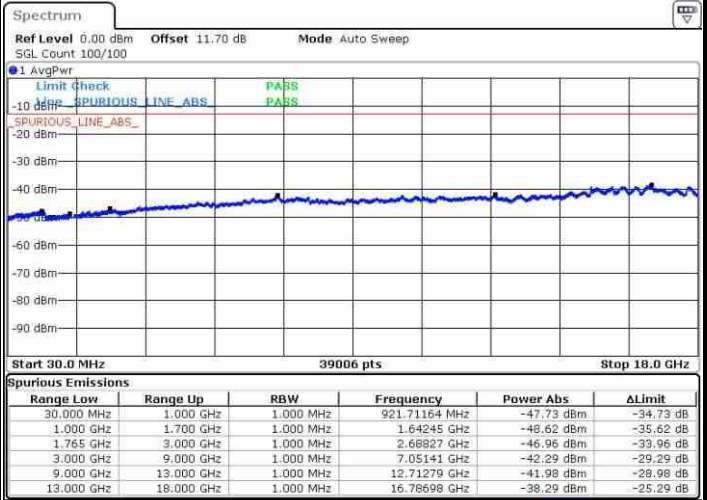
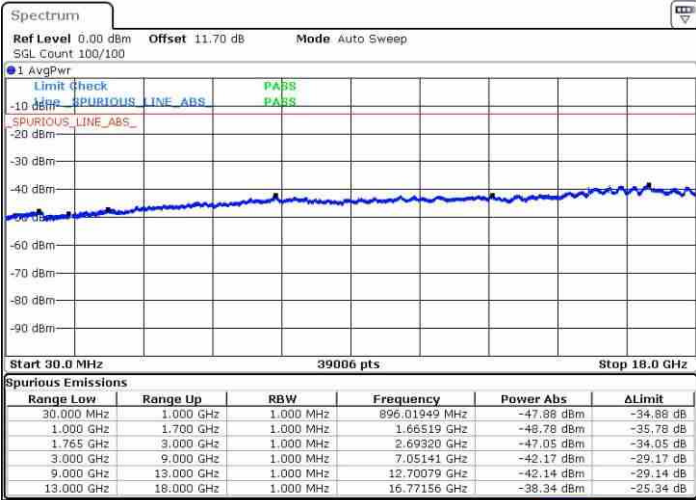
Date: 22 FEB 2016 15:20:08



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

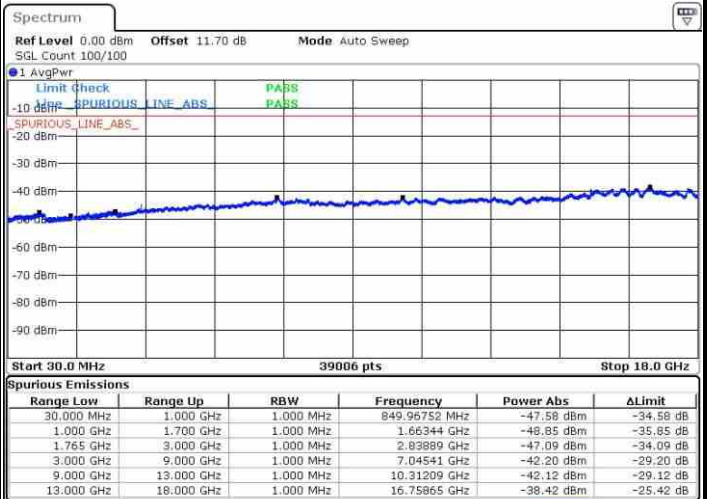
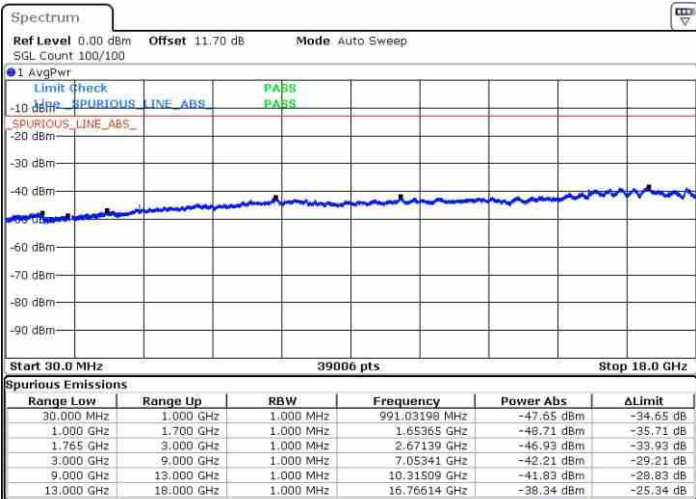


Date: 22 FEB 2016 15:21:45

Date: 22 FEB 2016 15:22:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 FEB 2016 15:28:54

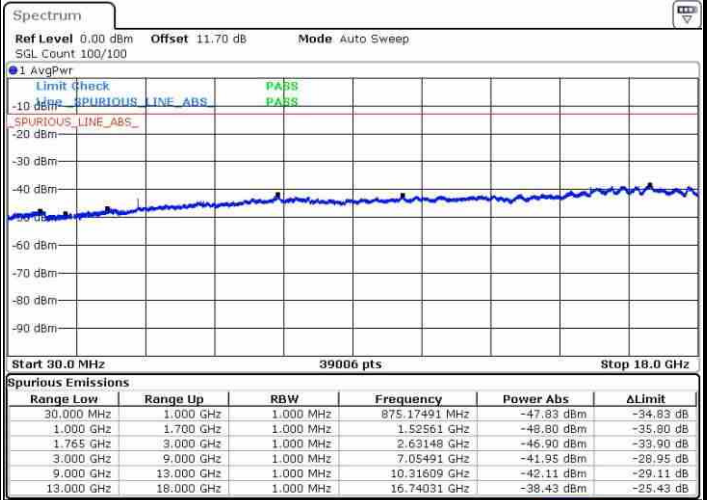
Date: 22 FEB 2016 15:29:48



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

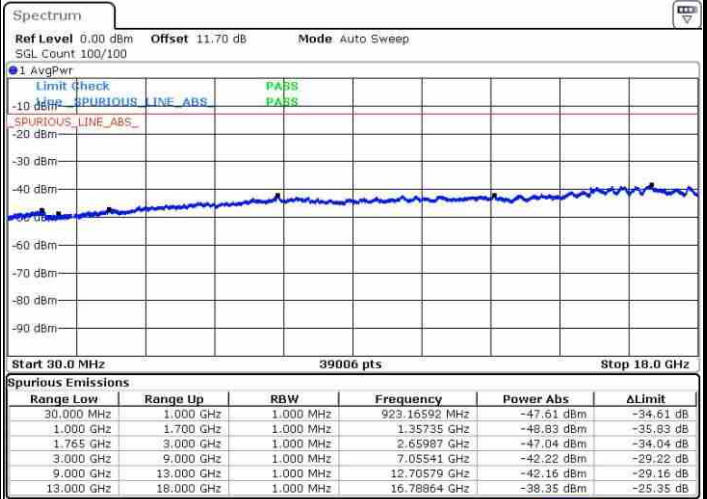
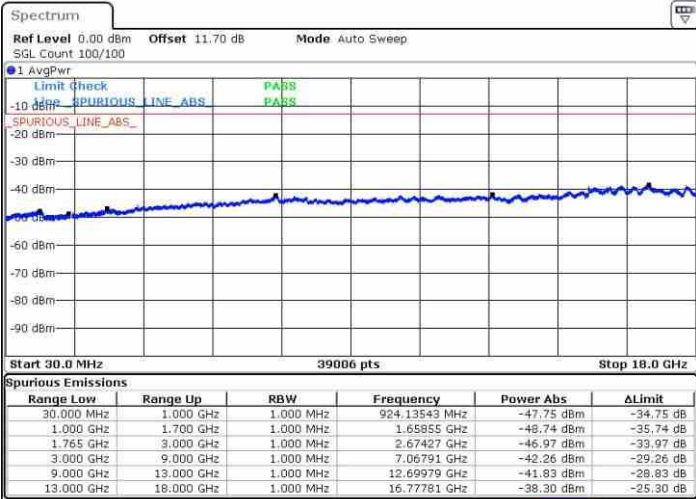


Date: 22 FEB 2016 15:36:02

Date: 22 FEB 2016 15:36:57

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 22 FEB 2016 15:38:33

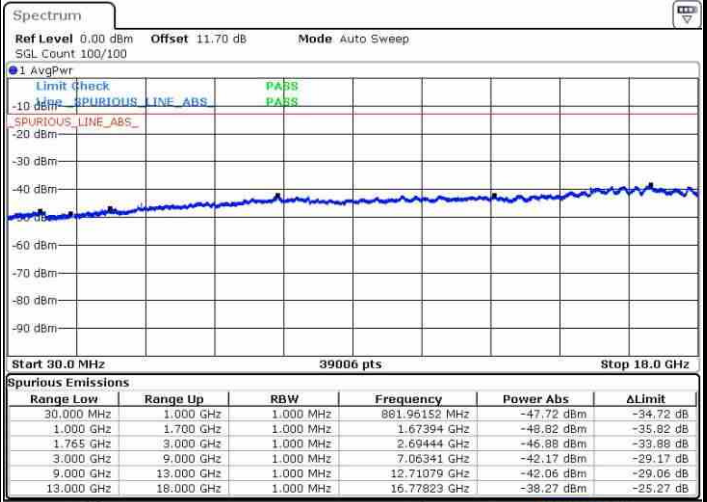
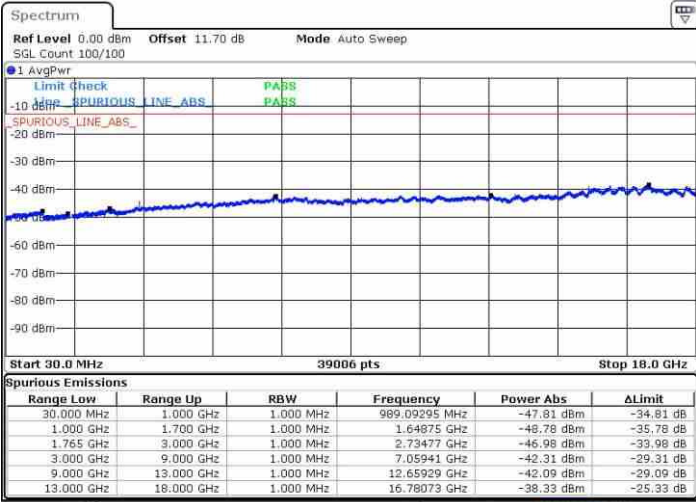
Date: 22 FEB 2016 15:39:28



LTE Band 4 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



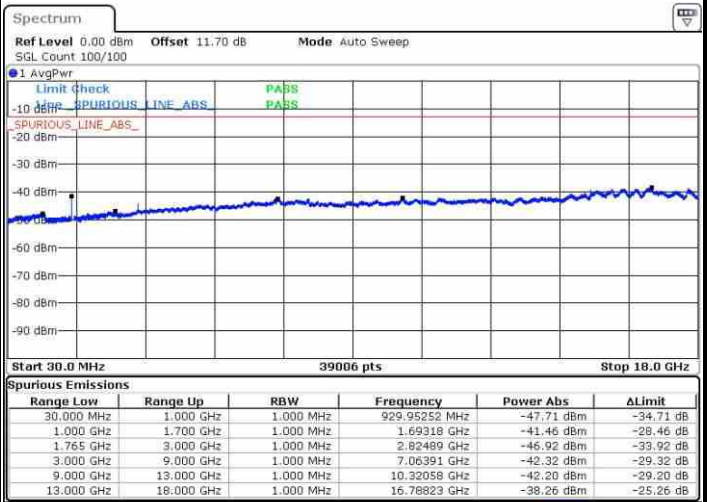
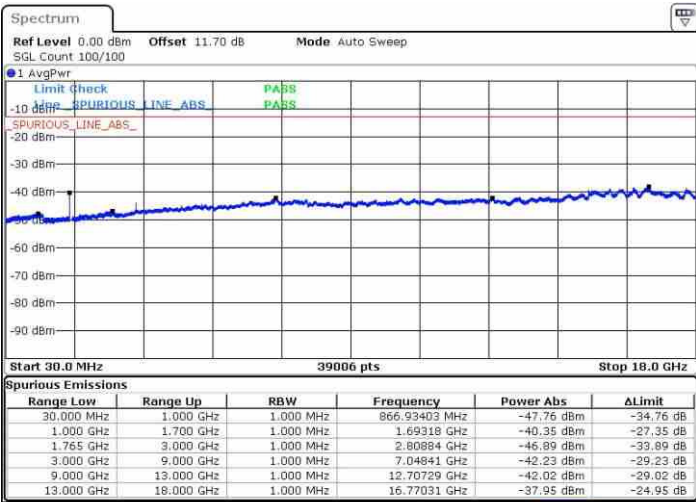
Date: 22 FEB 2016 15:45:42

Date: 22 FEB 2016 15:46:37

LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22 FEB 2016 15:52:50

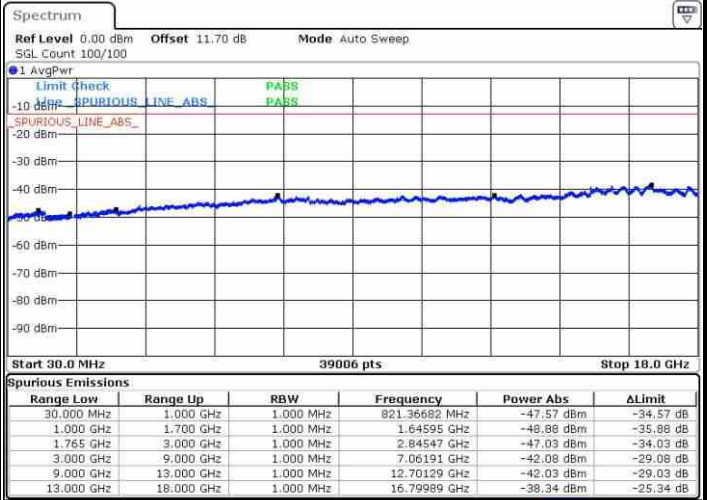
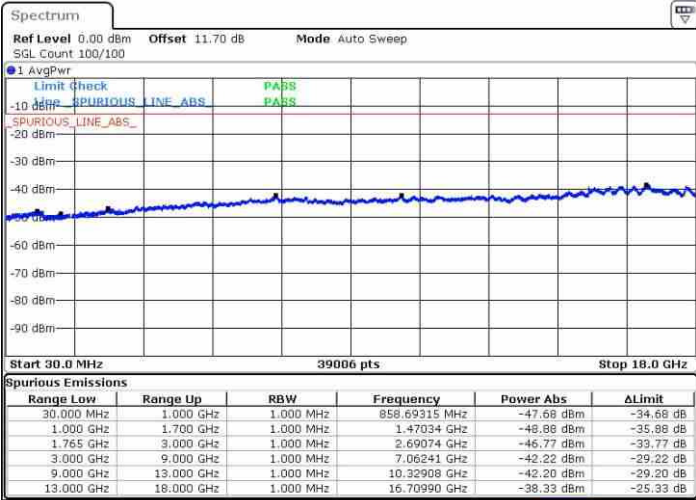
Date: 22 FEB 2016 15:53:45



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

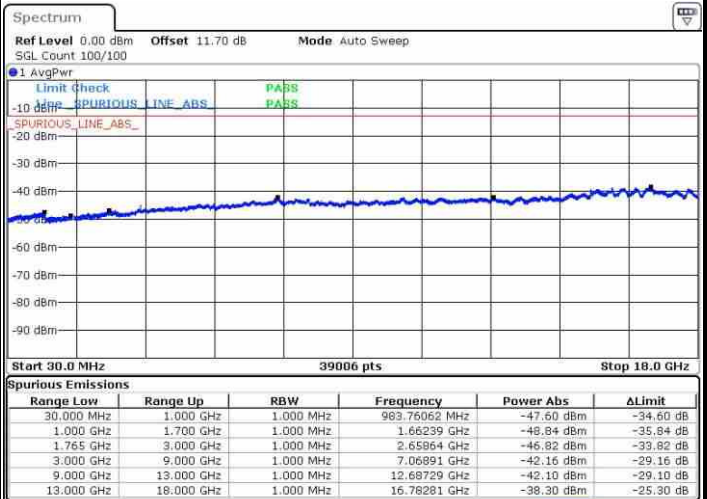
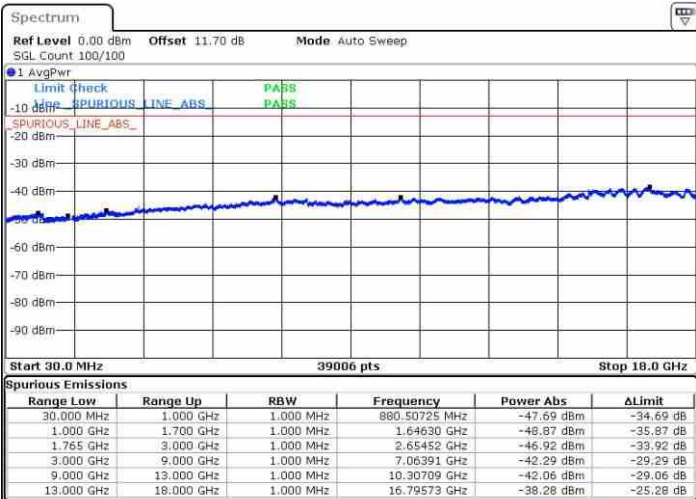


Date: 22 FEB 2016 15:55:22

Date: 22 FEB 2016 15:56:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 FEB 2016 16:02:31

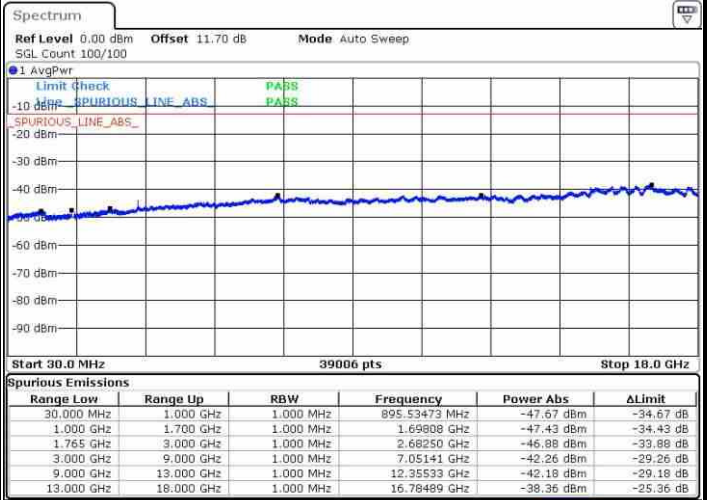
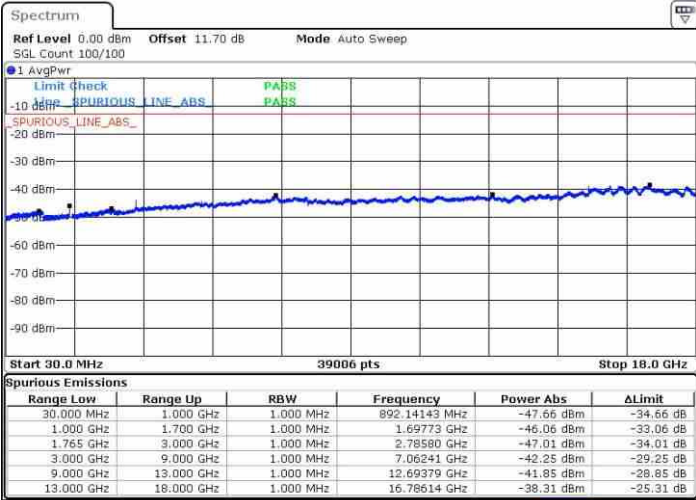
Date: 22 FEB 2016 16:03:25



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

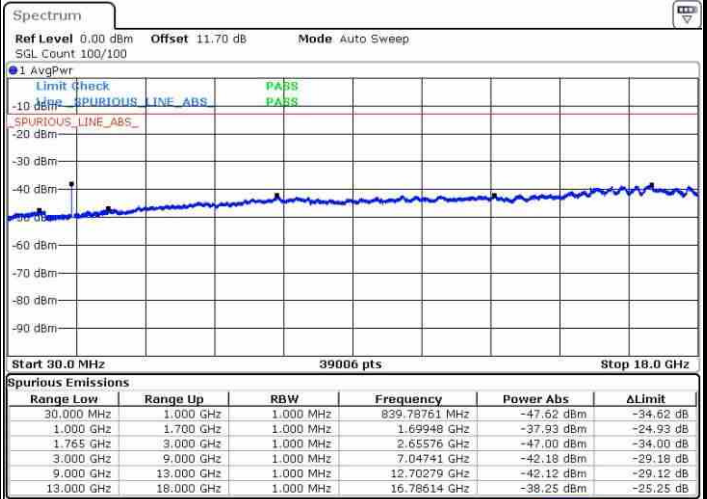
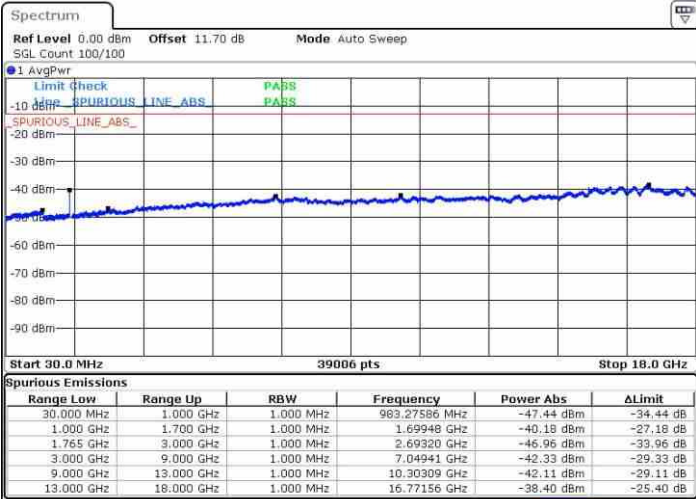


Date: 22 FEB 2016 16:09:39

Date: 22 FEB 2016 16:10:34

Middle Channel / QPSK

Middle Channel / 16QAM



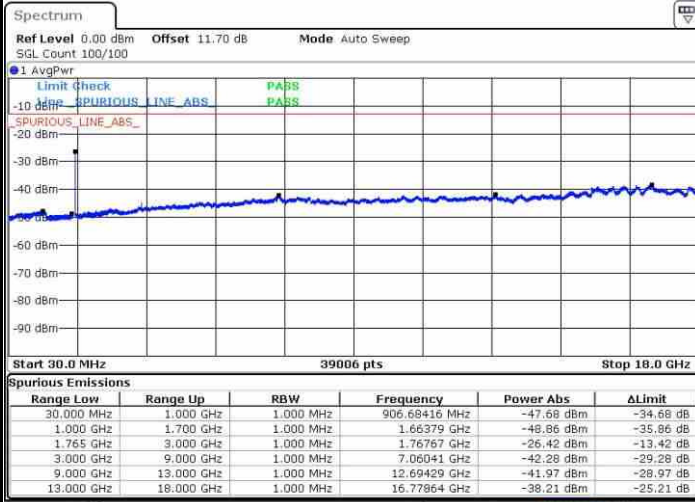
Date: 22 FEB 2016 16:12:11

Date: 22 FEB 2016 16:13:06



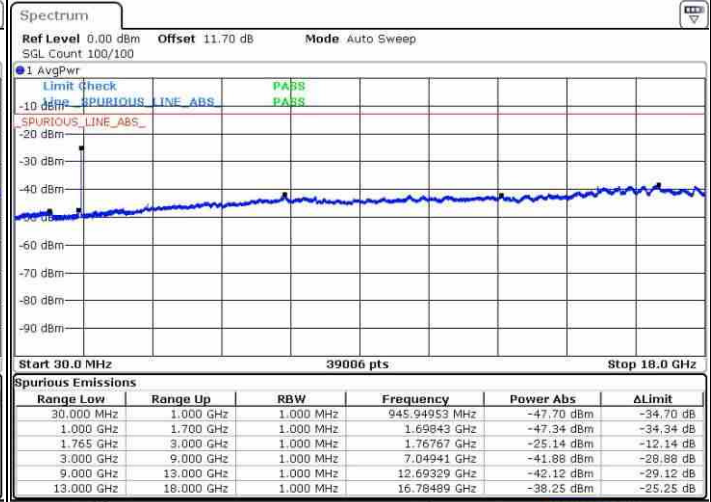
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 22 FEB 2016 16:19:20

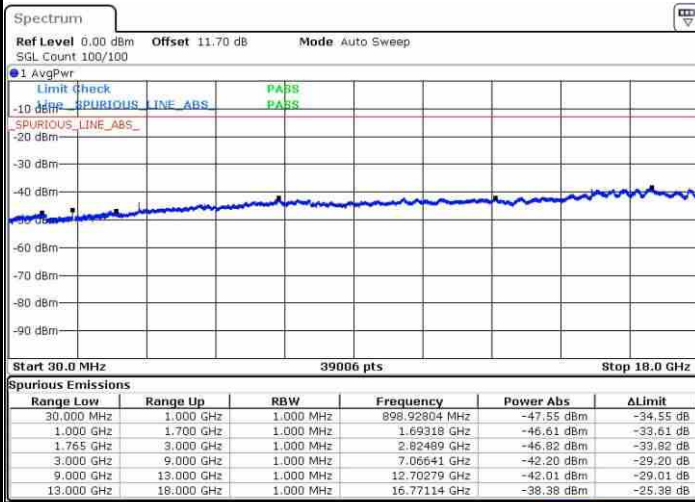
Highest Channel / 16QAM



Date: 22 FEB 2016 16:20:14

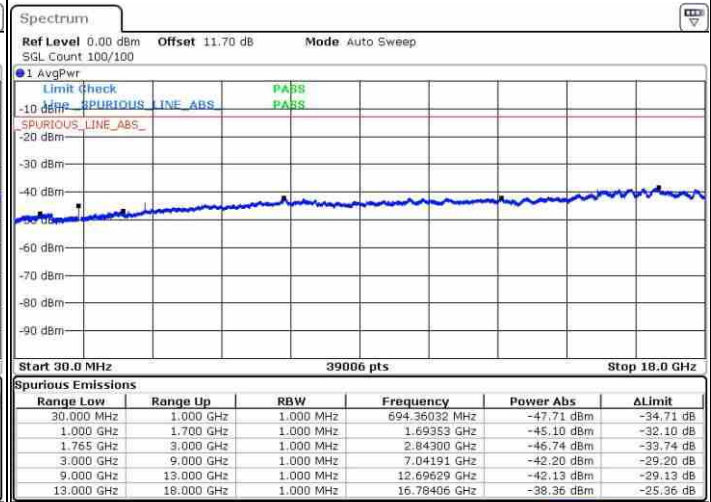
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 22 FEB 2016 16:26:28

Lowest Channel / 16QAM



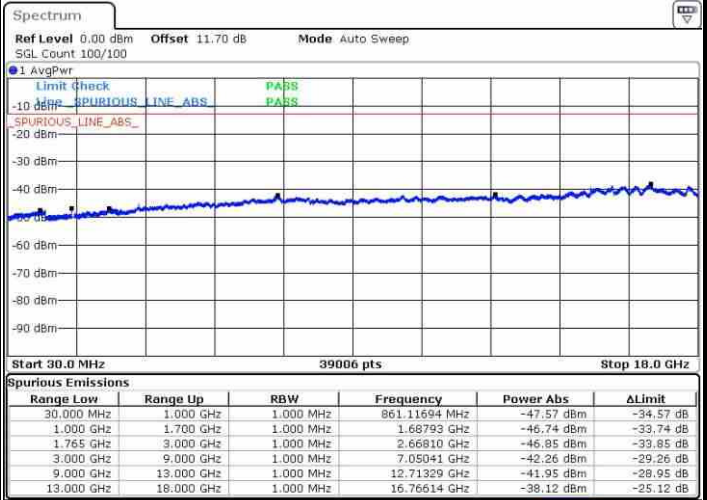
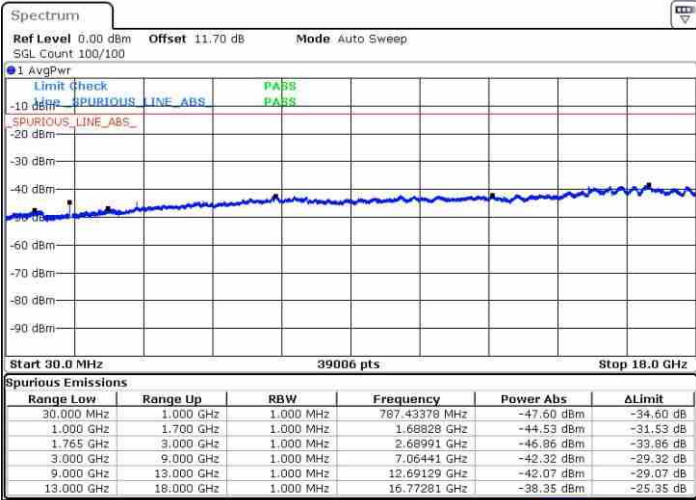
Date: 22 FEB 2016 16:27:23



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

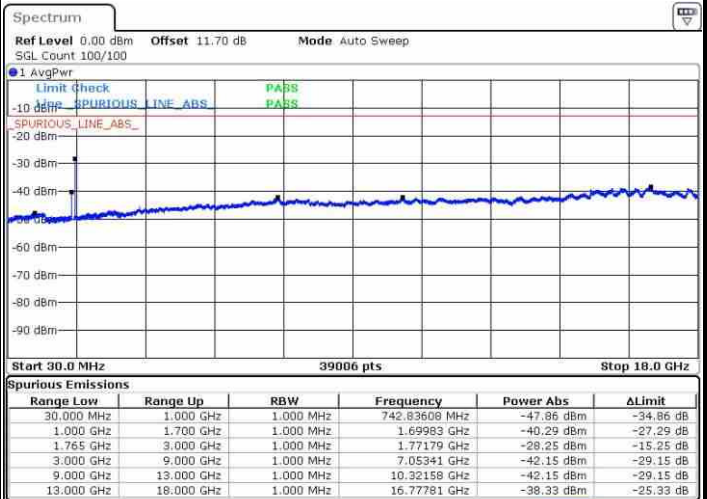
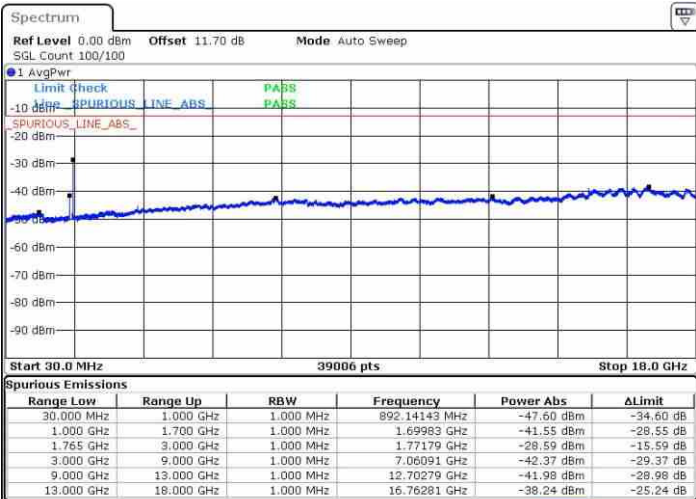


Date: 22 FEB 2016 16:28:59

Date: 22 FEB 2016 16:29:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 FEB 2016 16:38:07

Date: 22 FEB 2016 16:37:02



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 | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0047 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0055 | |
| -10 | Normal Voltage | 0.0001 | |
| -20 | Normal Voltage | 0.0015 | |
| -30 | Normal Voltage | 0.0048 | |
| 20 | Maximum Voltage | 0.0040 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0006 | |

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. Note: 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 | 3.88 | 5.01 | 4.87 | 5.88 | PASS |
| Middle CH | 3.86 | 5.01 | 4.87 | 5.88 | |
| Highest CH | 4.03 | 5.3 | 4.72 | 6.14 | |



LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 23 FEB 2016 00:16:54

Lowest Channel / Full RB



Date: 23 FEB 2016 00:17:03

Middle Channel / 1RB



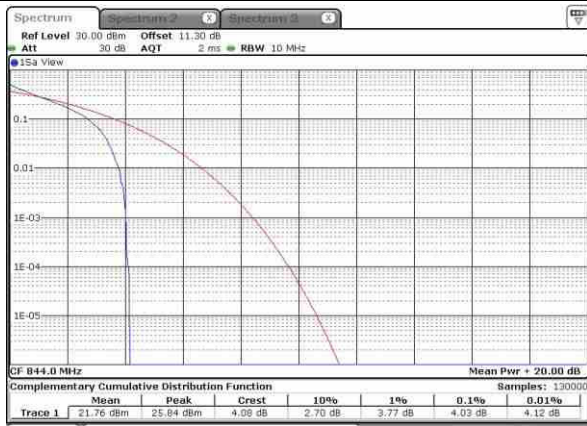
Date: 23 FEB 2016 00:17:13

Middle Channel / Full RB



Date: 23 FEB 2016 00:17:23

Highest Channel / 1RB



Date: 23 FEB 2016 00:17:33

Highest Channel / Full RB



Date: 23 FEB 2016 00:17:43



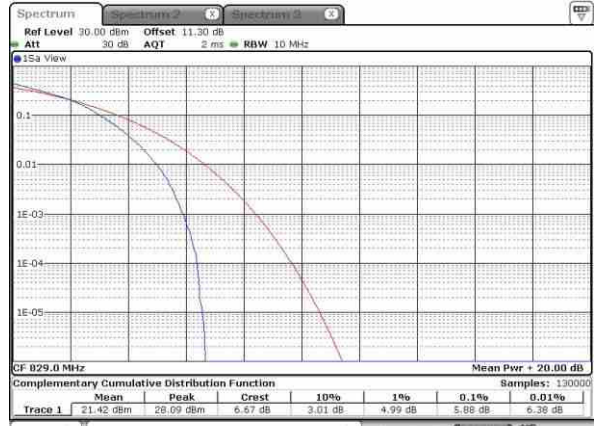
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 23 FEB 2016 00:15:55

Lowest Channel / Full RB



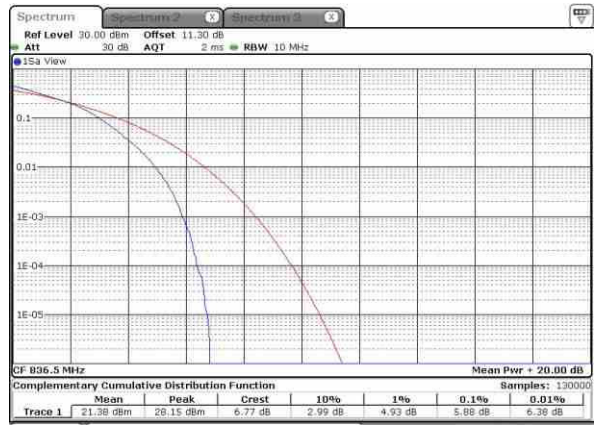
Date: 23 FEB 2016 00:16:05

Middle Channel / 1RB



Date: 23 FEB 2016 00:16:15

Middle Channel / Full RB



Date: 23 FEB 2016 00:16:25

Highest Channel / 1RB



Date: 23 FEB 2016 00:16:34

Highest Channel / Full RB



Date: 23 FEB 2016 00:16:44



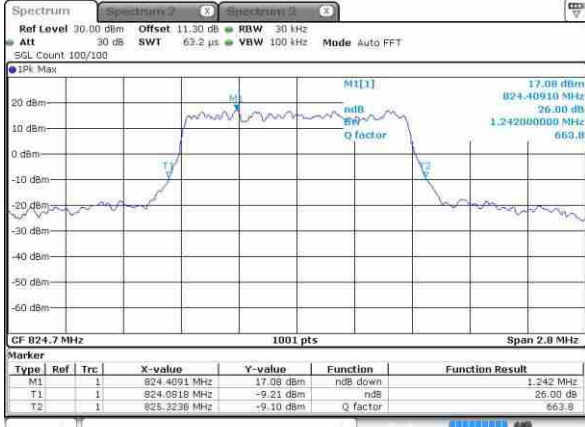
26dB Bandwidth

| Mode | LTE Band 5 : 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 | 1.24 | 1.26 | 3 | 3.03 | 5.05 | 4.98 | 10.03 | 9.67 | - | - | - | - |
| Middle CH | 1.24 | 1.27 | 2.97 | 3.01 | 4.93 | 5.09 | 9.85 | 9.79 | - | - | - | - |
| Highest CH | 1.24 | 1.23 | 3.02 | 3.03 | 5.02 | 4.94 | 9.87 | 9.67 | - | - | - | - |



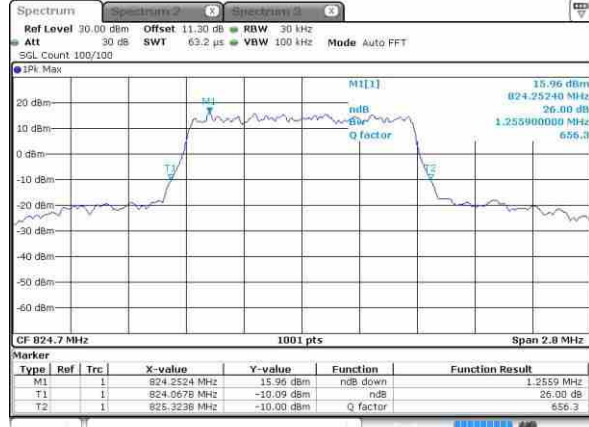
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



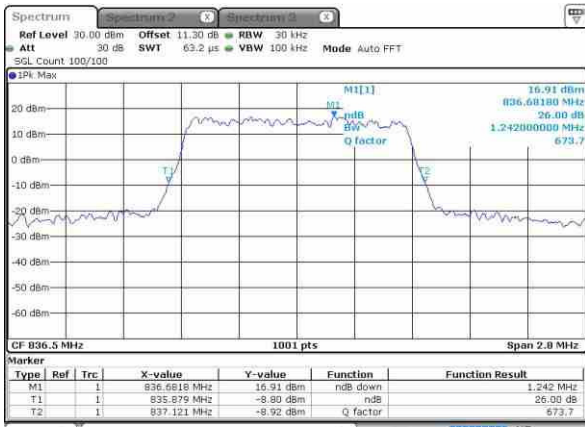
Date: 22 FEB 2016 23:48:55

Lowest Channel / 1.4MHz / 16QAM



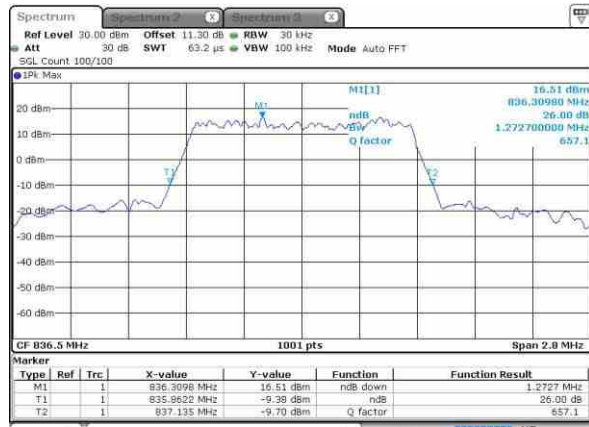
Date: 22 FEB 2016 23:48:45

Middle Channel / 1.4MHz / QPSK



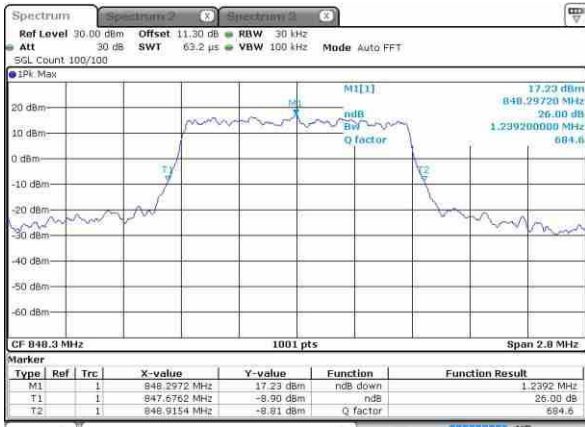
Date: 22 FEB 2016 23:59:25

Middle Channel / 1.4MHz / 16QAM



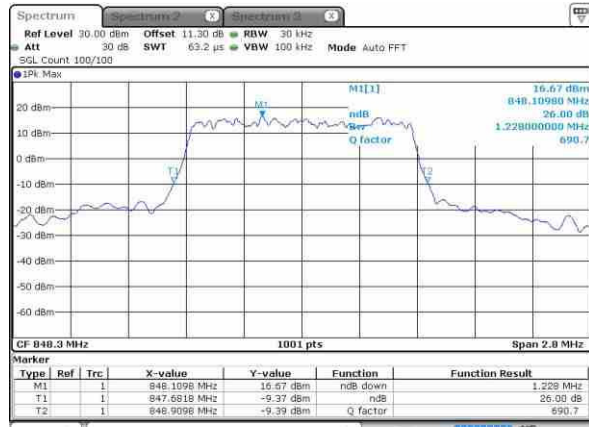
Date: 22 FEB 2016 23:59:35

Highest Channel / 1.4MHz / QPSK



Date: 23 FEB 2016 00:01:56

Highest Channel / 1.4MHz / 16QAM

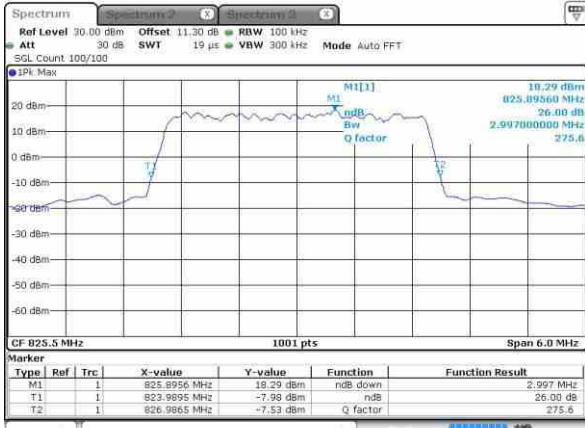


Date: 23 FEB 2016 00:02:08



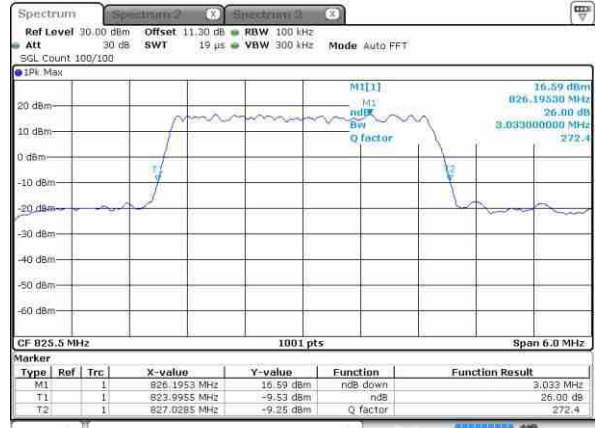
LTE Band 5

Lowest Channel / 3MHz / QPSK



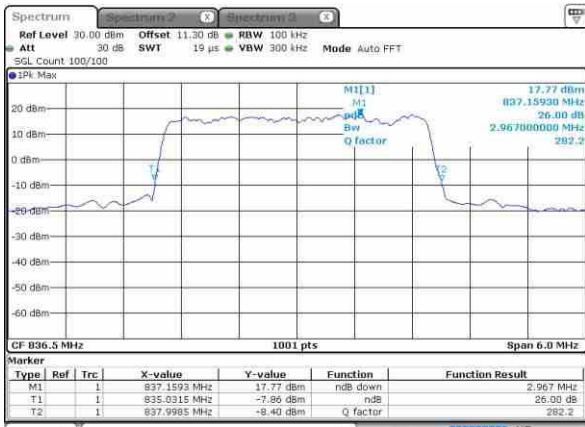
Date: 22.FEB.2016 22:37:11

Lowest Channel / 3MHz / 16QAM



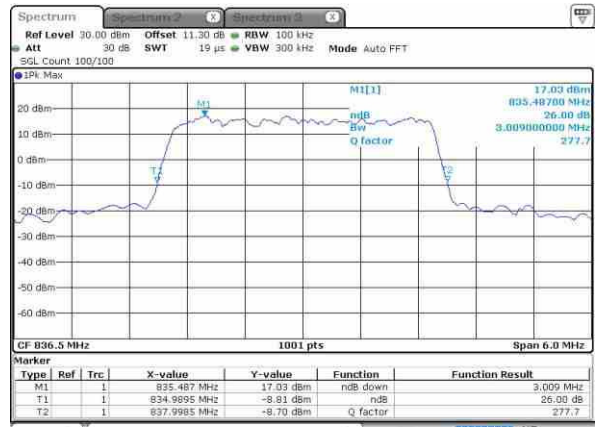
Date: 22.FEB.2016 22:37:21

Middle Channel / 3MHz / QPSK



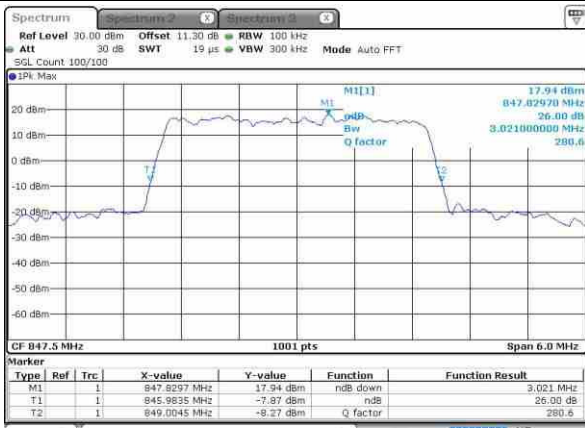
Date: 22.FEB.2016 22:47:51

Middle Channel / 3MHz / 16QAM



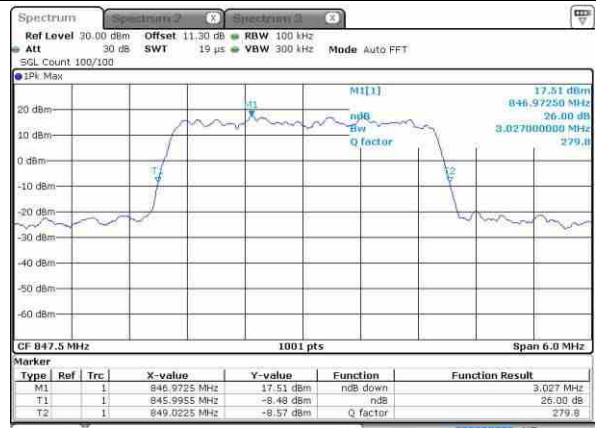
Date: 22.FEB.2016 22:48:02

Highest Channel / 3MHz / QPSK



Date: 22.FEB.2016 22:50:22

Highest Channel / 3MHz / 16QAM

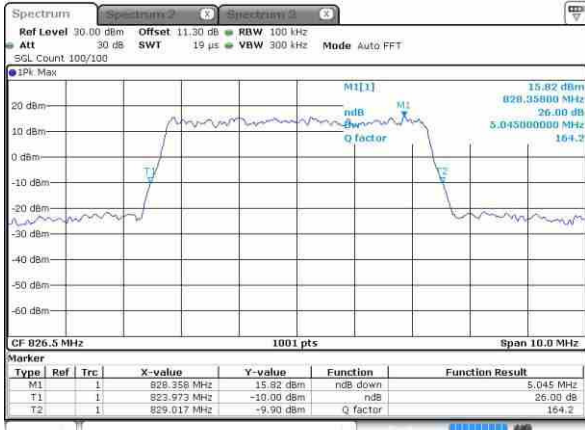


Date: 22.FEB.2016 22:50:32



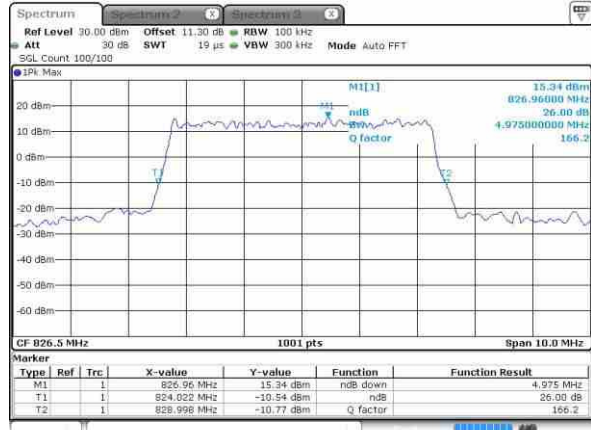
LTE Band 5

Lowest Channel / 5MHz / QPSK



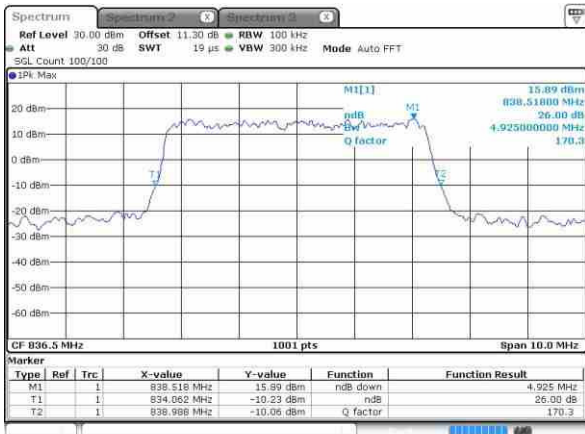
Date: 22 FEB 2016 23:01:02

Lowest Channel / 5MHz / 16QAM



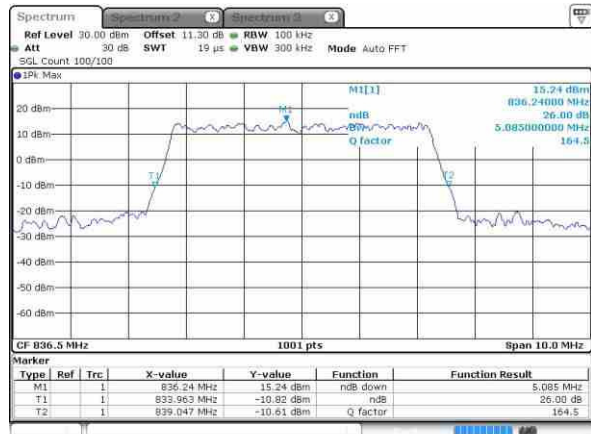
Date: 22 FEB 2016 23:01:12

Middle Channel / 5MHz / QPSK



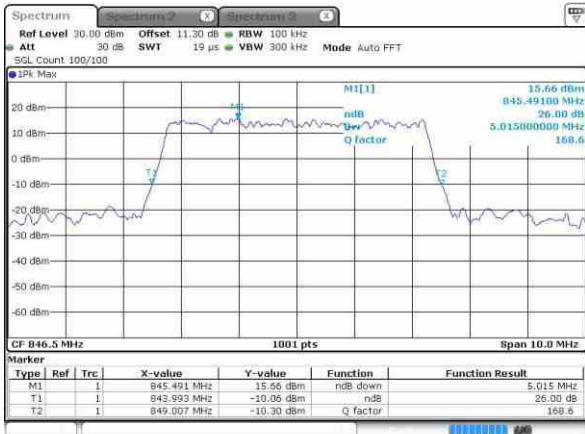
Date: 22 FEB 2016 23:11:42

Middle Channel / 5MHz / 16QAM



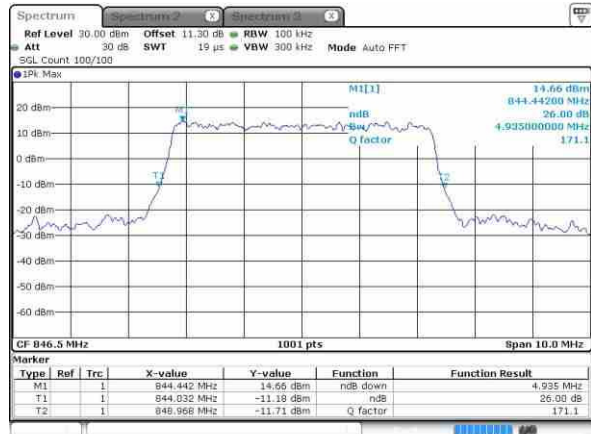
Date: 22 FEB 2016 23:11:53

Highest Channel / 5MHz / QPSK



Date: 22 FEB 2016 23:14:13

Highest Channel / 5MHz / 16QAM

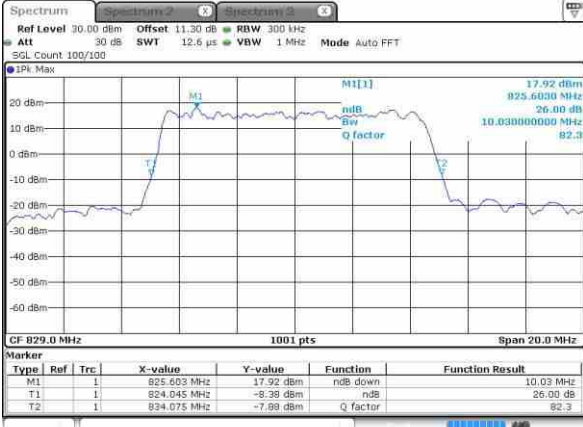


Date: 22 FEB 2016 23:14:24



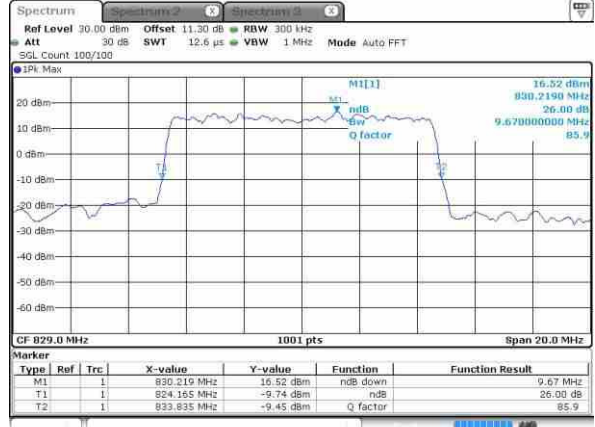
LTE Band 5

Lowest Channel / 10MHz / QPSK



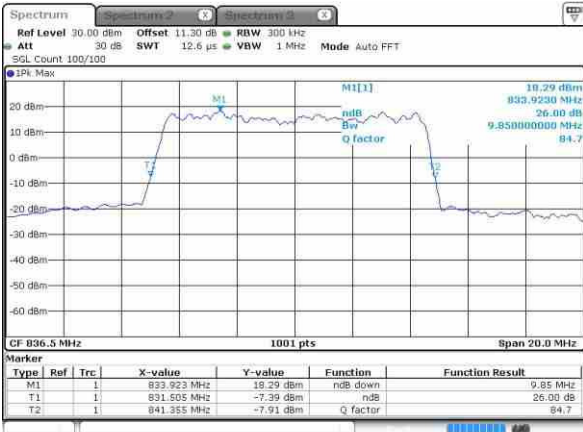
Date: 22 FEB 2016 23:24:53

Lowest Channel / 10MHz / 16QAM



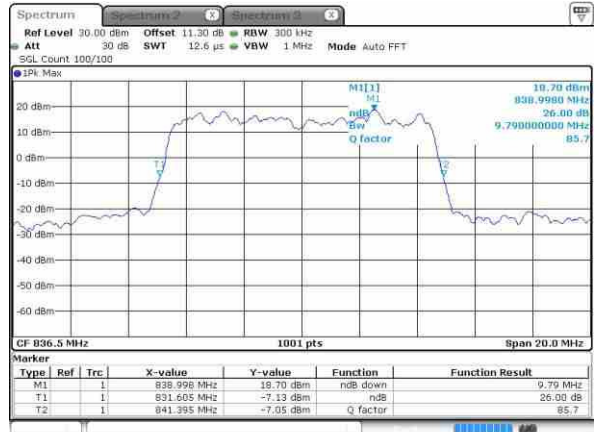
Date: 22 FEB 2016 23:25:04

Middle Channel / 10MHz / QPSK



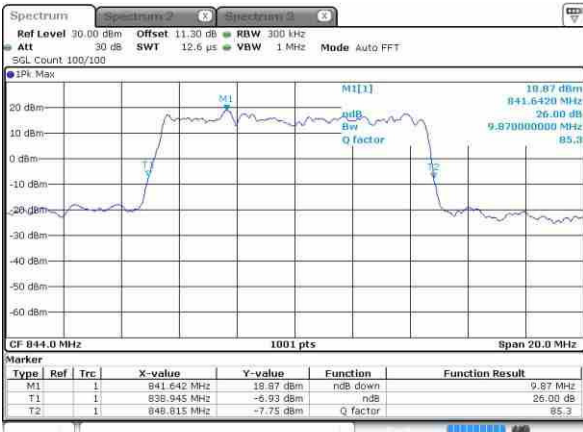
Date: 22 FEB 2016 23:35:33

Middle Channel / 10MHz / 16QAM



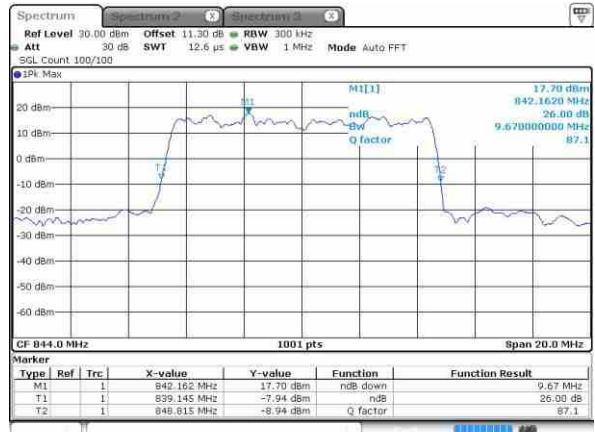
Date: 22 FEB 2016 23:35:44

Highest Channel / 10MHz / QPSK



Date: 22 FEB 2016 23:38:04

Highest Channel / 10MHz / 16QAM



Date: 22 FEB 2016 23:38:15



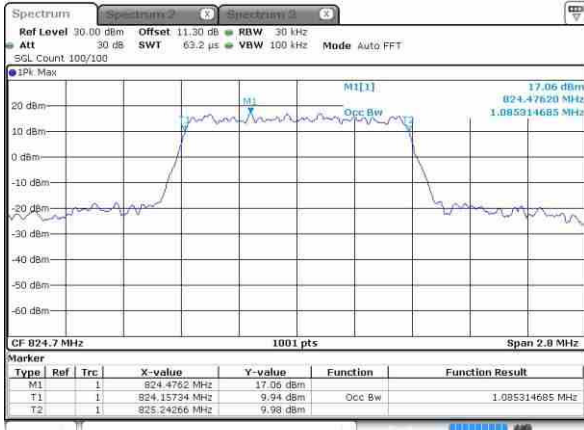
Occupied Bandwidth

| Mode | LTE Band 5 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.09 | 2.71 | 2.72 | 4.49 | 4.51 | 8.99 | 9.07 | - | - | - | - |
| Middle CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.5 | 4.48 | 9.05 | 9.01 | - | - | - | - |
| Highest CH | 1.09 | 1.09 | 2.7 | 2.71 | 4.52 | 4.5 | 9.03 | 9.05 | - | - | - | - |



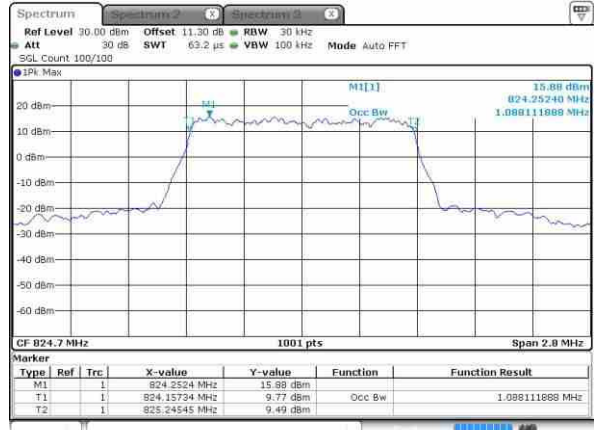
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



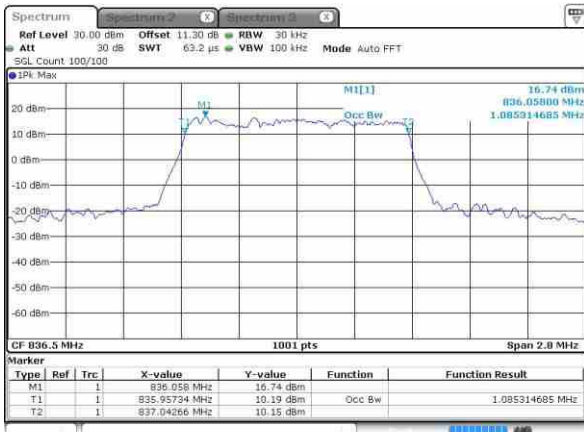
Date: 22 FEB 2016 23:48:24

Lowest Channel / 1.4MHz / 16QAM



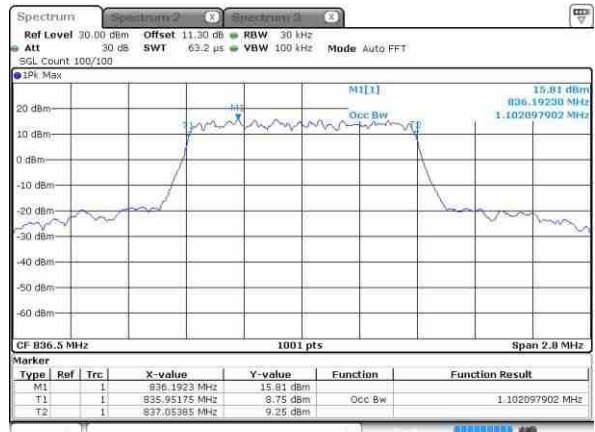
Date: 22 FEB 2016 23:48:34

Middle Channel / 1.4MHz / QPSK



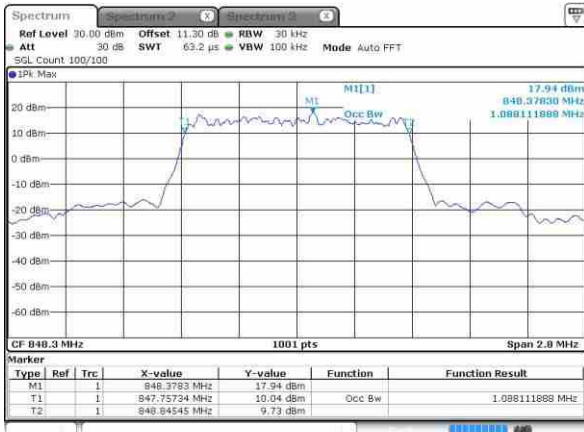
Date: 22 FEB 2016 23:59:04

Middle Channel / 1.4MHz / 16QAM



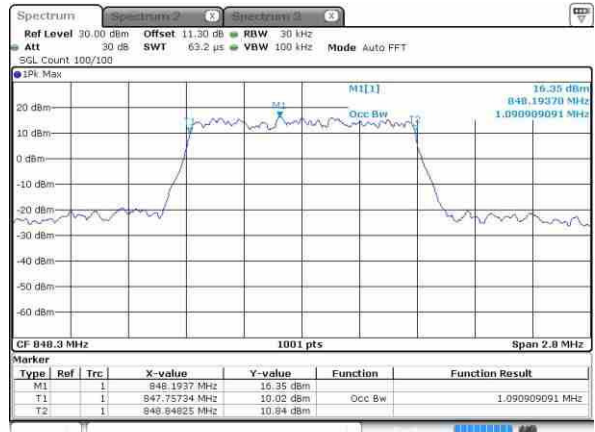
Date: 22 FEB 2016 23:59:14

Highest Channel / 1.4MHz / QPSK



Date: 23 FEB 2016 00:01:35

Highest Channel / 1.4MHz / 16QAM

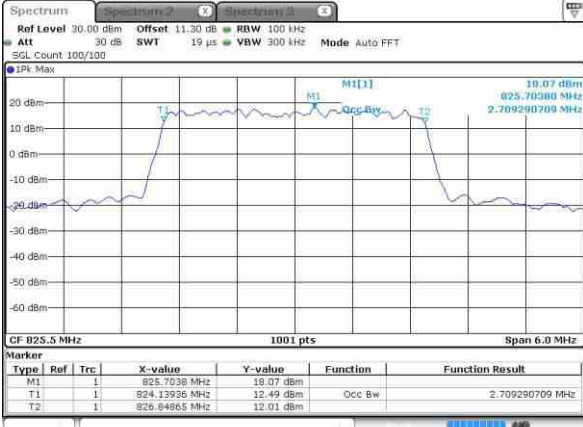


Date: 23 FEB 2016 00:01:45



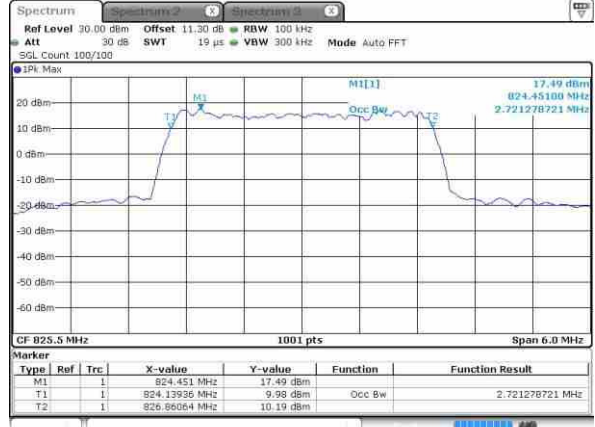
LTE Band 5

Lowest Channel / 3MHz / QPSK



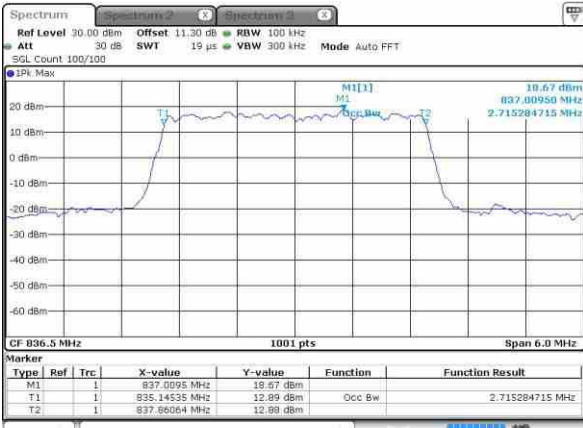
Date: 22 FEB 2016 22:38:50

Lowest Channel / 3MHz / 16QAM



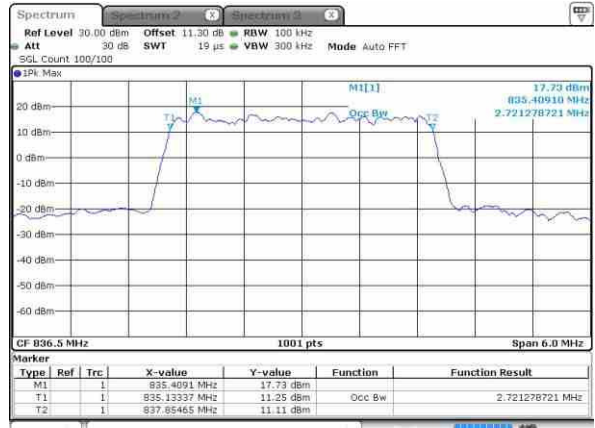
Date: 22 FEB 2016 22:37:00

Middle Channel / 3MHz / QPSK



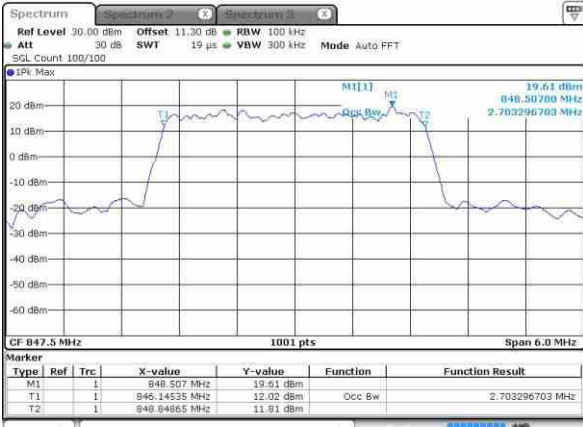
Date: 22 FEB 2016 22:47:30

Middle Channel / 3MHz / 16QAM



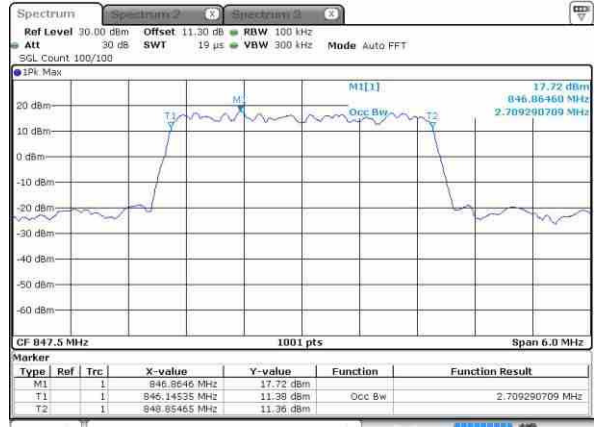
Date: 22 FEB 2016 22:47:40

Highest Channel / 3MHz / QPSK



Date: 22 FEB 2016 22:50:01

Highest Channel / 3MHz / 16QAM

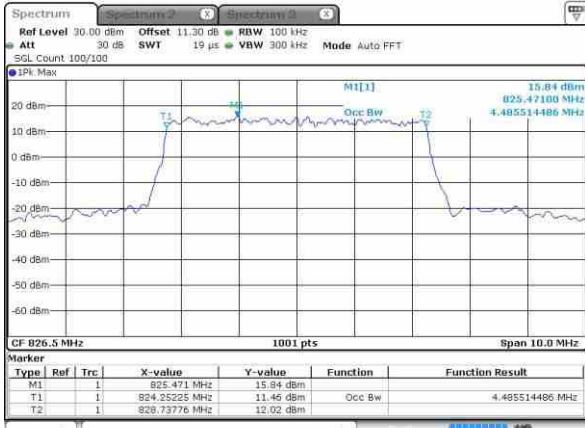


Date: 22 FEB 2016 22:50:11



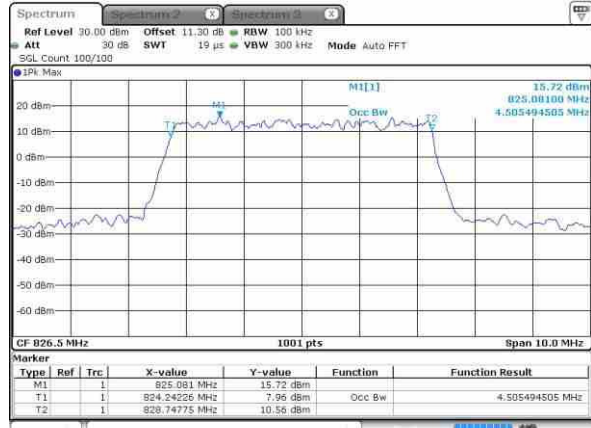
LTE Band 5

Lowest Channel / 5MHz / QPSK



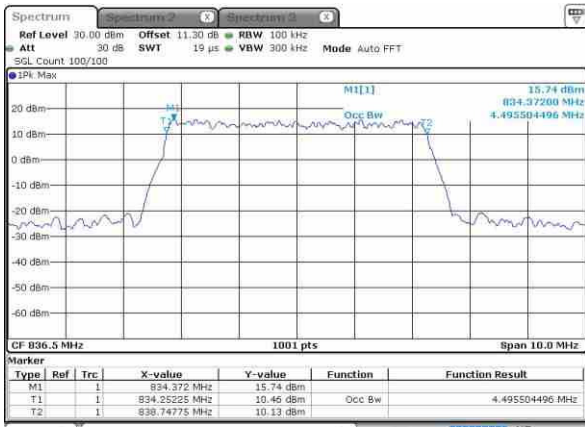
Date: 22 FEB 2016 23:00:41

Lowest Channel / 5MHz / 16QAM



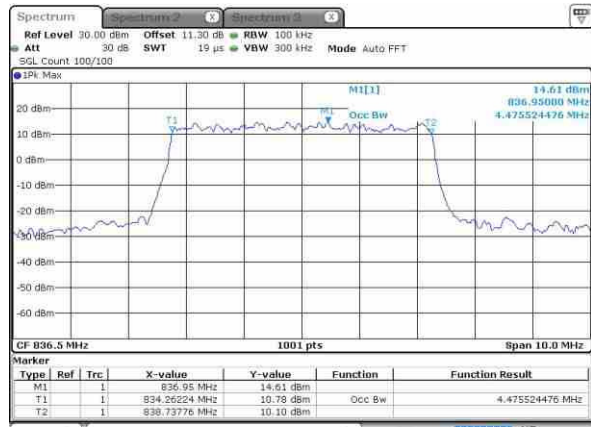
Date: 22 FEB 2016 23:00:51

Middle Channel / 5MHz / QPSK



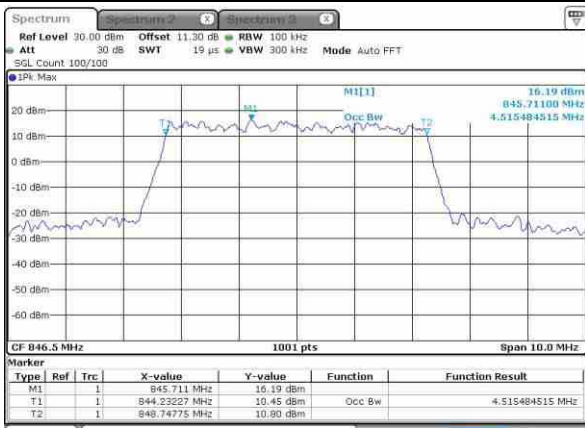
Date: 22 FEB 2016 23:11:21

Middle Channel / 5MHz / 16QAM



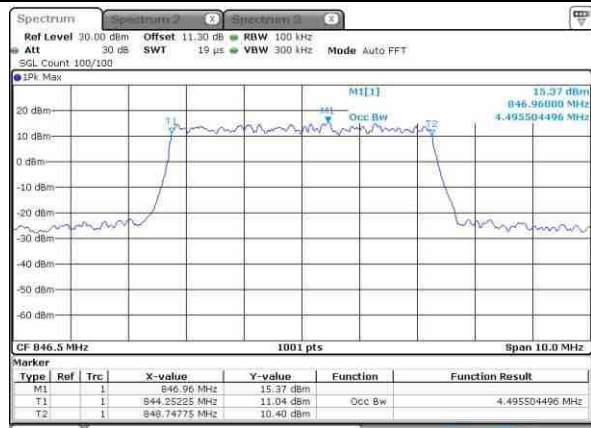
Date: 22 FEB 2016 23:11:31

Highest Channel / 5MHz / QPSK



Date: 22 FEB 2016 23:13:52

Highest Channel / 5MHz / 16QAM

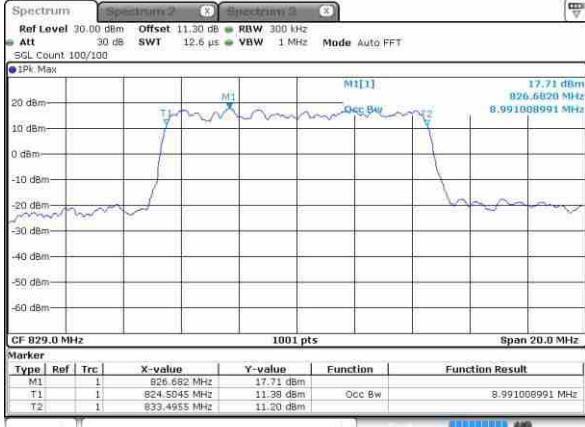


Date: 22 FEB 2016 23:14:02



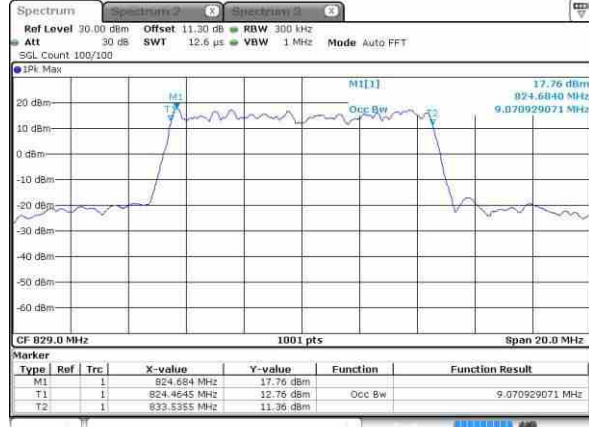
LTE Band 5

Lowest Channel / 10MHz / QPSK



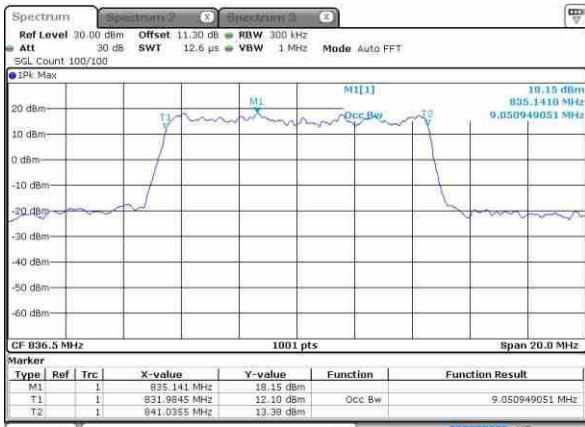
Date: 22 FEB 2016 23:24:32

Lowest Channel / 10MHz / 16QAM



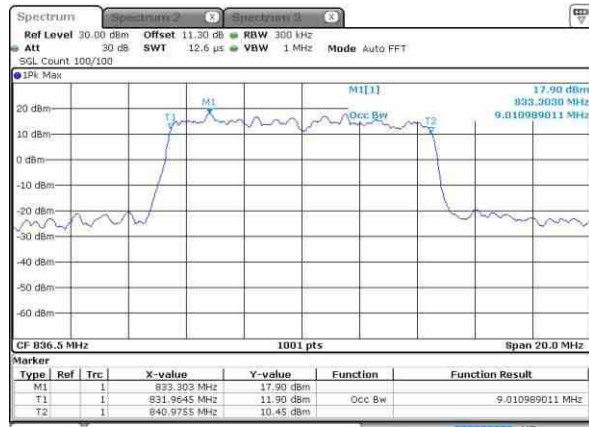
Date: 22 FEB 2016 23:24:43

Middle Channel / 10MHz / QPSK



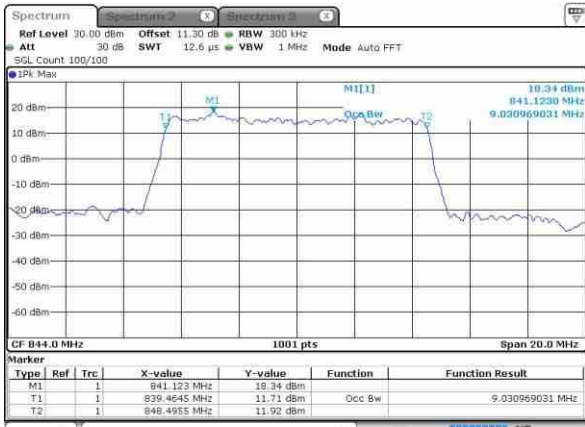
Date: 22 FEB 2016 23:35:12

Middle Channel / 10MHz / 16QAM



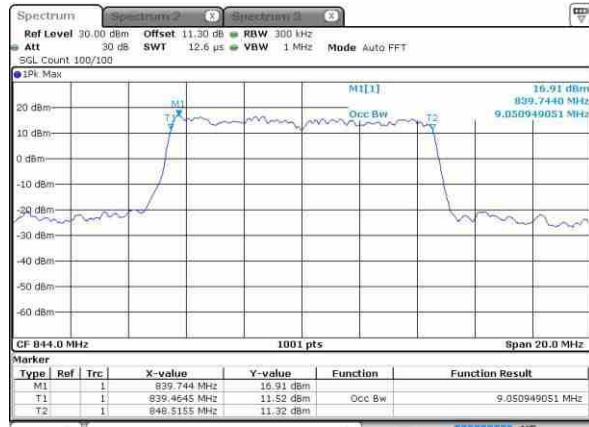
Date: 22 FEB 2016 23:35:23

Highest Channel / 10MHz / QPSK



Date: 22 FEB 2016 23:37:43

Highest Channel / 10MHz / 16QAM



Date: 22 FEB 2016 23:37:54



Conducted Band Edge



LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



Date: 22.FEB.2016 23:50:57

Highest Band Edge / 1RB



Date: 23.FEB.2016 00:08:13

Lowest Band Edge / Full RB



Date: 22.FEB.2016 23:55:02

Highest Band Edge / Full RB



Date: 23.FEB.2016 00:04:08



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



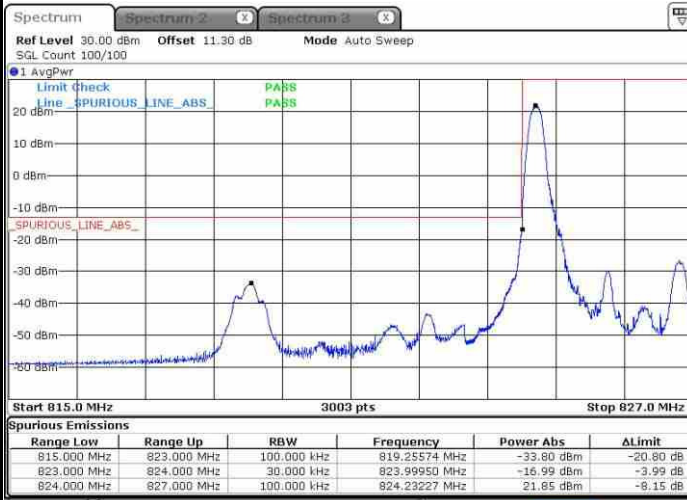
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 22.FEB.2016 22:39:23

Highest Band Edge / 1 RB



Date: 22.FEB.2016 22:52:34

Lowest Band Edge / Full RB



Date: 22.FEB.2016 22:43:28

Highest Band Edge / Full RB

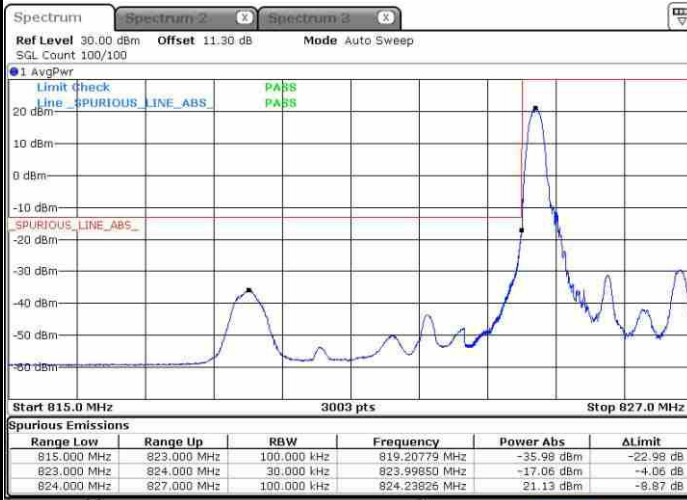


Date: 22.FEB.2016 22:56:39



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 22.FEB.2016 22:41:26

Highest Band Edge / 1 RB



Date: 22.FEB.2016 22:54:36

Lowest Band Edge / Full RB



Date: 22.FEB.2016 22:45:30

Highest Band Edge / Full RB

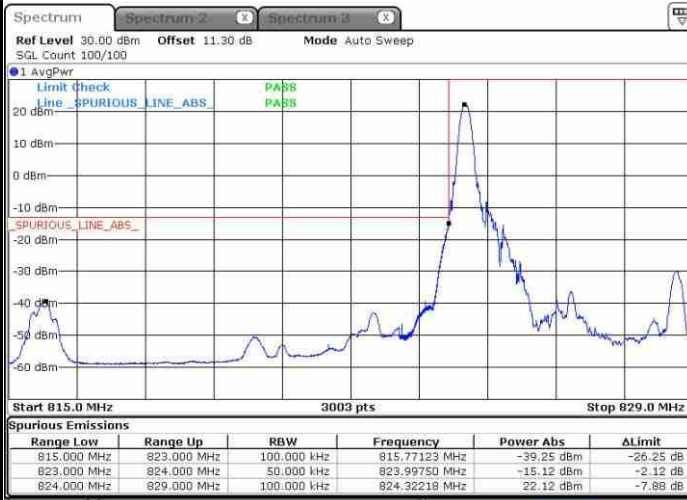


Date: 22.FEB.2016 22:58:41



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 22.FEB.2016 23:03:14

Highest Band Edge / 1 RB



Date: 22.FEB.2016 23:16:25

Lowest Band Edge / Full RB



Date: 22.FEB.2016 23:07:19

Highest Band Edge / Full RB



Date: 22.FEB.2016 23:20:30