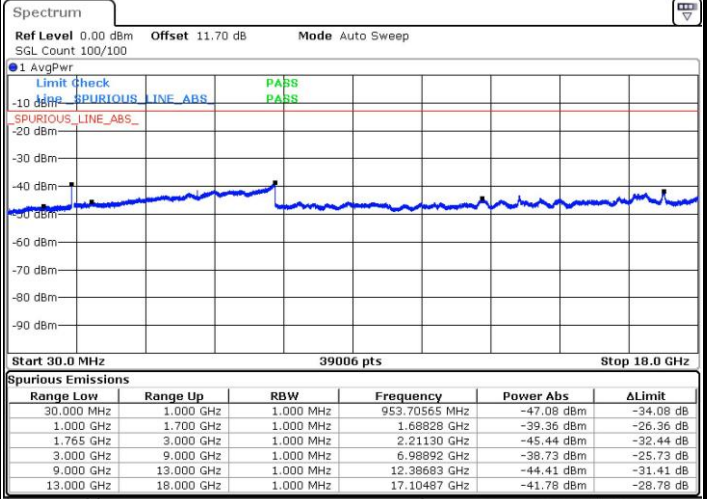
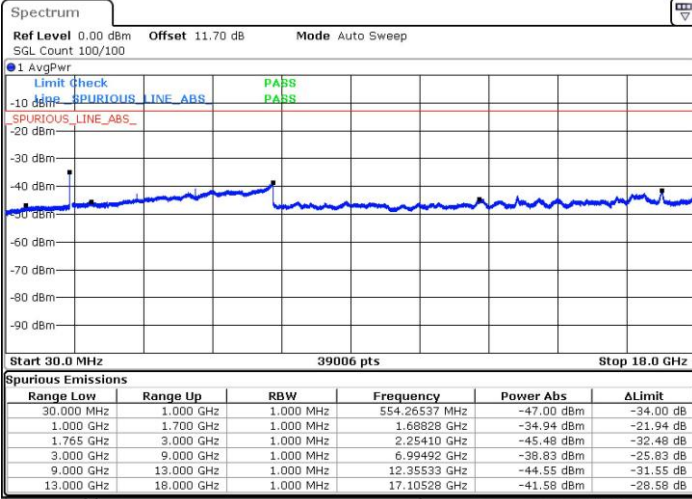




LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

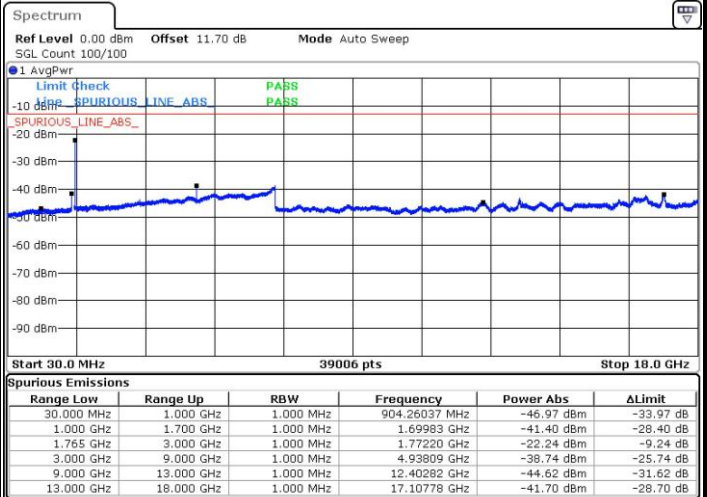
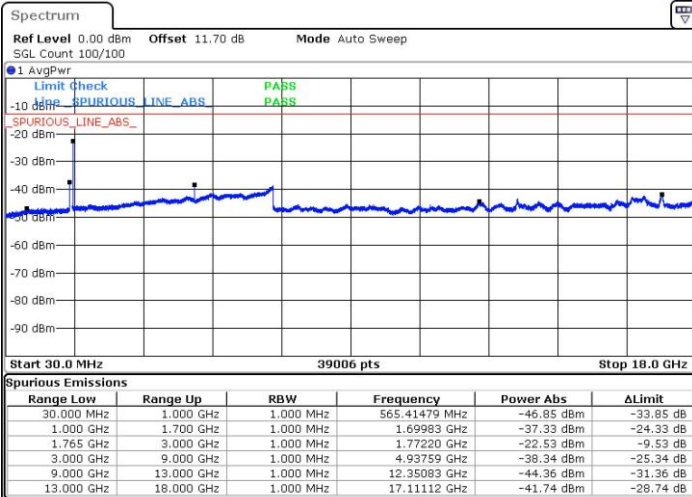


Date: 4.NOV.2016 18:03:41

Date: 4.NOV.2016 18:04:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.NOV.2016 18:11:01

Date: 4.NOV.2016 18:11:59



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 | 0.0000 | PASS |
| 40 | Normal Voltage | 0.0136 | |
| 30 | Normal Voltage | 0.0009 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0001 | |
| 0 | Normal Voltage | 0.0139 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0130 | |
| -30 | Normal Voltage | 0.0002 | |
| 20 | Maximum Voltage | 0.0141 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0134 | |

Note:

1. Normal Voltage =3.8 V. ; 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

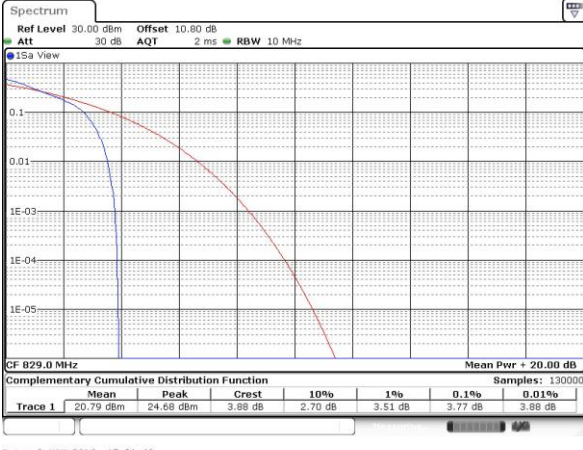
Peak-to-Average Ratio

| Mode | LTE Band 5 / 10MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.77 | 4.93 | 4.52 | 5.74 | PASS |
| Middle CH | 3.8 | 4.78 | 4.7 | 5.59 | |
| Highest CH | 3.33 | 4.49 | 4.17 | 5.45 | |



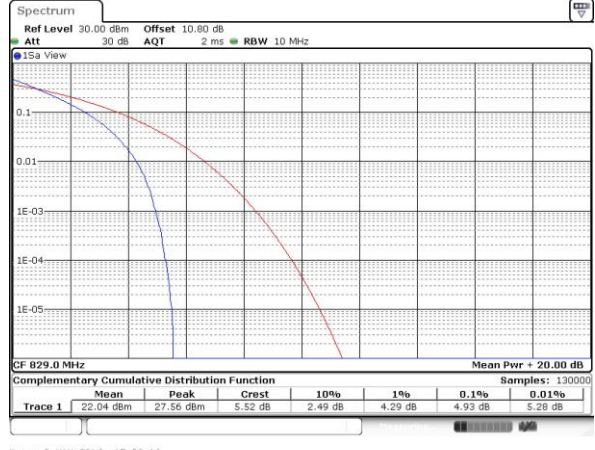
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



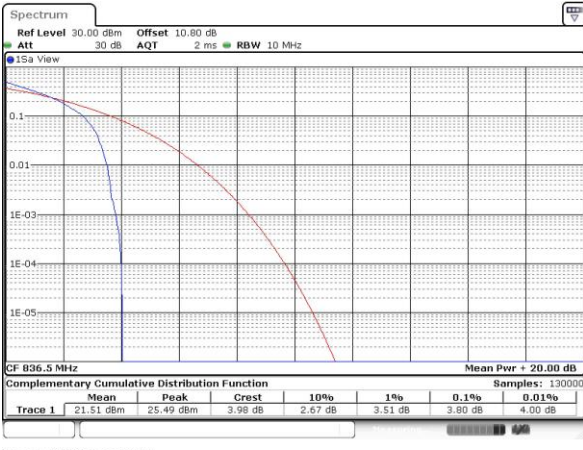
Date: 3.NOV.2016 17:51:43

Lowest Channel / Full RB



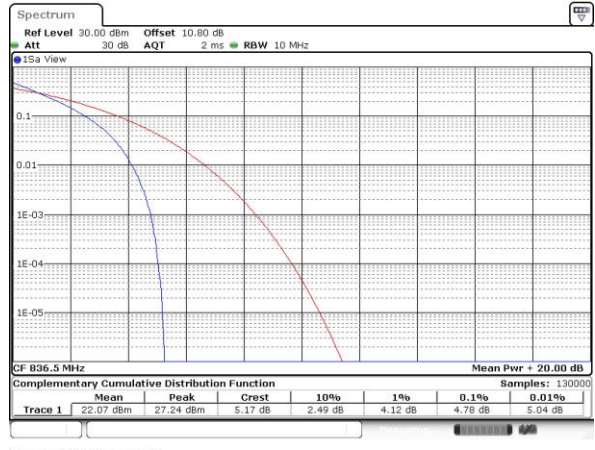
Date: 3.NOV.2016 17:52:10

Middle Channel / 1RB



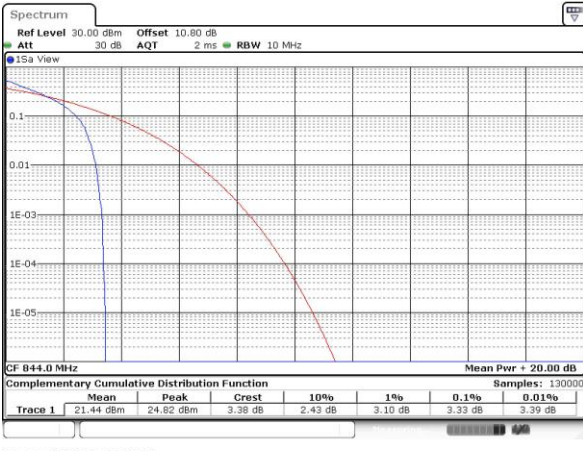
Date: 3.NOV.2016 17:52:39

Middle Channel / Full RB



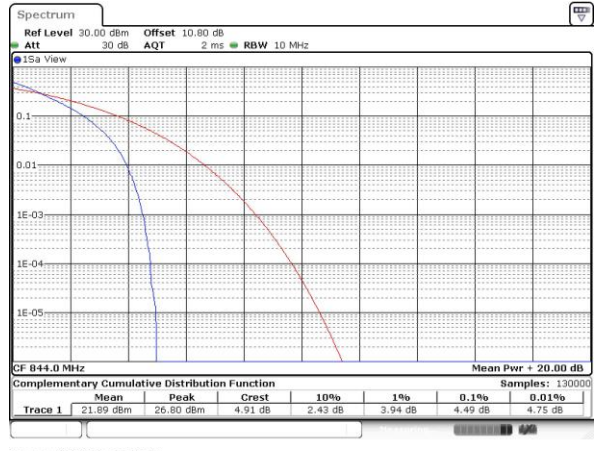
Date: 3.NOV.2016 17:52:56

Highest Channel / 1RB



Date: 3.NOV.2016 17:53:13

Highest Channel / Full RB



Date: 3.NOV.2016 17:53:24



LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 3,NOV,2016 17:50:07

Lowest Channel / Full RB



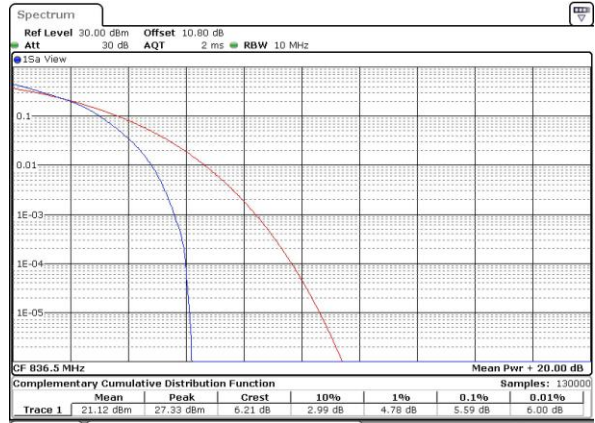
Date: 3,NOV,2016 17:50:19

Middle Channel / 1RB



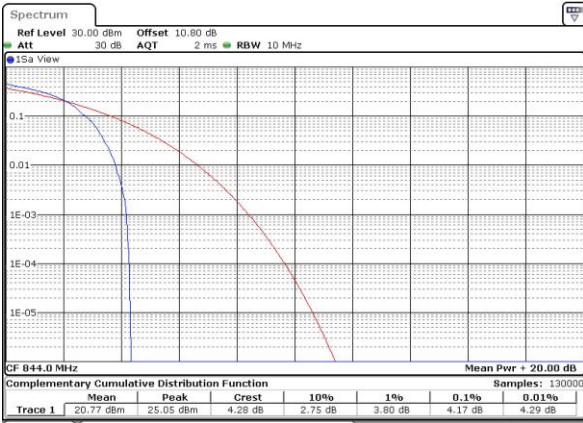
Date: 3,NOV,2016 17:50:31

Middle Channel / Full RB



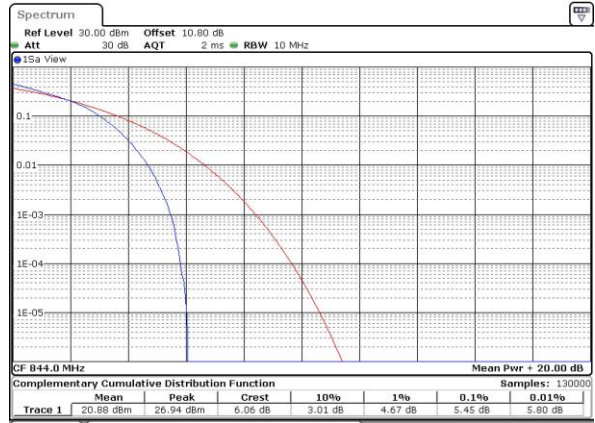
Date: 3,NOV,2016 17:50:44

Highest Channel / 1RB



Date: 3,NOV,2016 17:50:56

Highest Channel / Full RB



Date: 3,NOV,2016 17:51:17



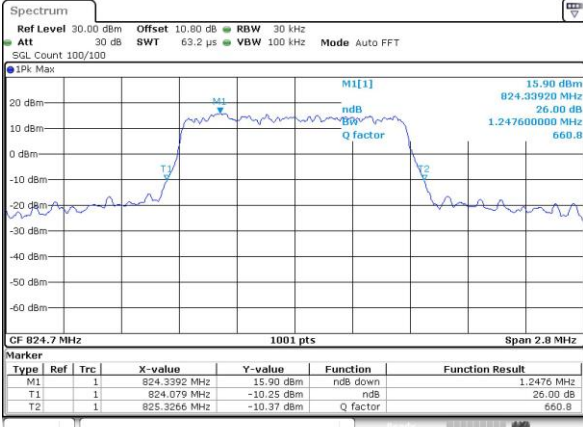
26dB Bandwidth

| 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 |
| Lowest CH | 1.25 | 1.27 | 2.96 | 2.96 | 5.04 | 4.93 | 9.95 | 10.01 | - | - | - | - |
| Middle CH | 1.23 | 1.27 | 2.98 | 3.02 | 4.94 | 4.84 | 9.89 | 9.77 | - | - | - | - |
| Highest CH | 1.26 | 1.28 | 2.97 | 3.00 | 4.89 | 4.98 | 9.91 | 9.79 | - | - | - | - |



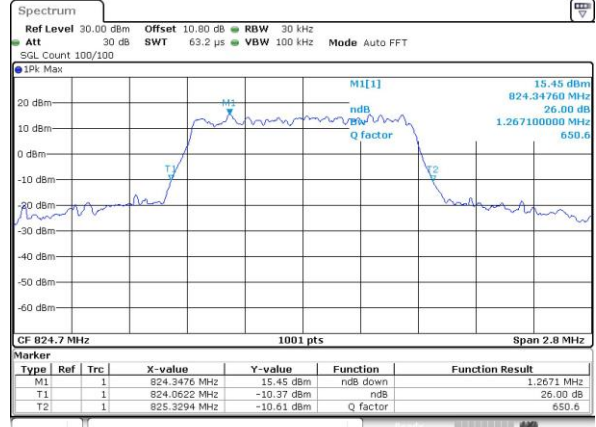
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



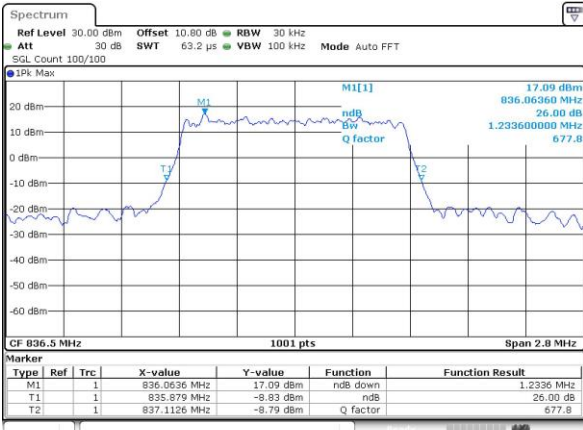
Date: 3,NOV,2016 17:03:03

Lowest Channel / 1.4MHz / 16QAM



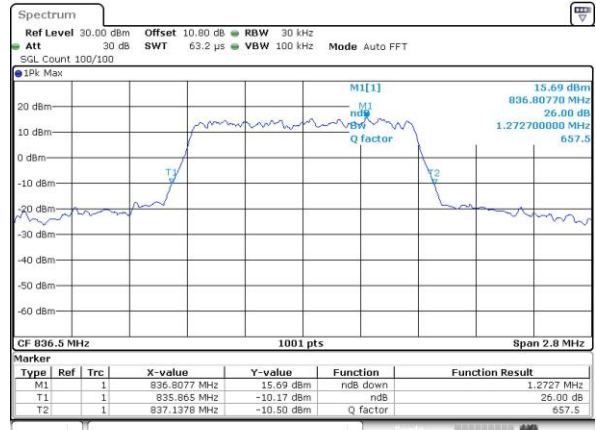
Date: 3,NOV,2016 17:02:51

Middle Channel / 1.4MHz / QPSK



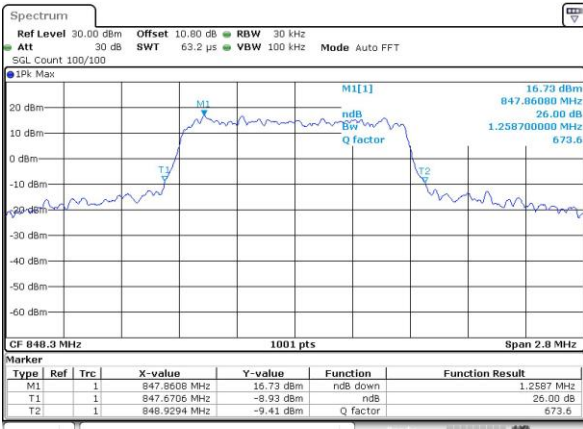
Date: 3,NOV,2016 17:12:13

Middle Channel / 1.4MHz / 16QAM



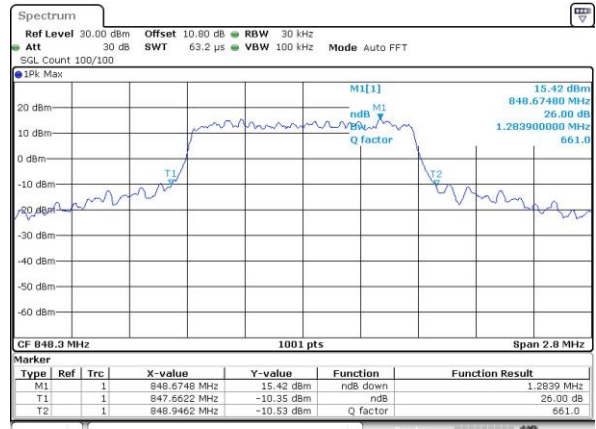
Date: 3,NOV,2016 17:12:25

Highest Channel / 1.4MHz / QPSK



Date: 3,NOV,2016 17:11:57

Highest Channel / 1.4MHz / 16QAM

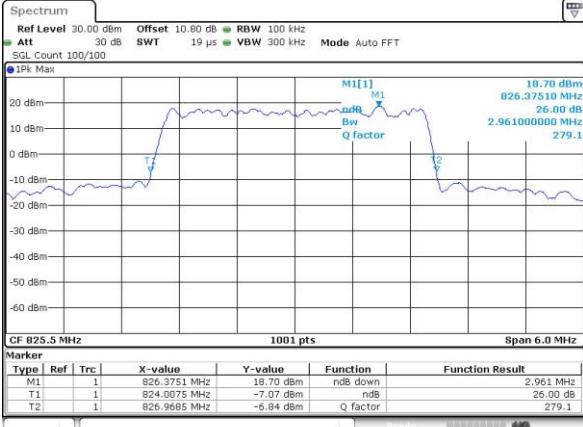


Date: 3,NOV,2016 17:15:08



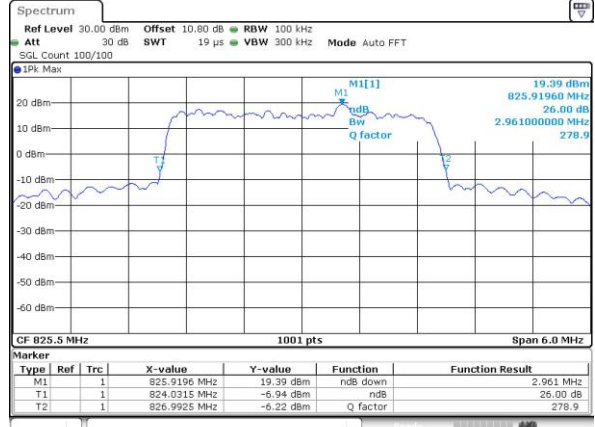
LTE Band 5

Lowest Channel / 3MHz / QPSK



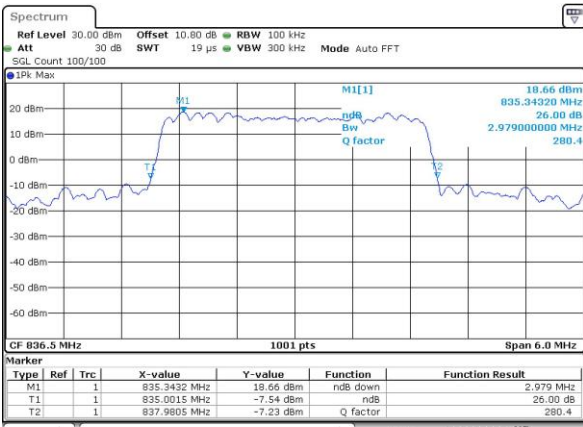
Date: 3,NOV,2016 15:58:31

Lowest Channel / 3MHz / 16QAM



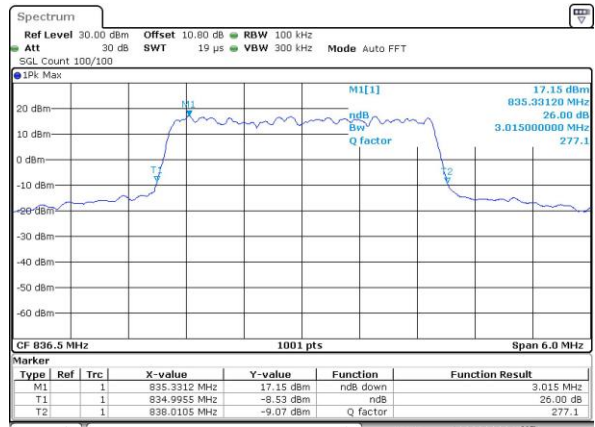
Date: 3,NOV,2016 15:58:42

Middle Channel / 3MHz / QPSK



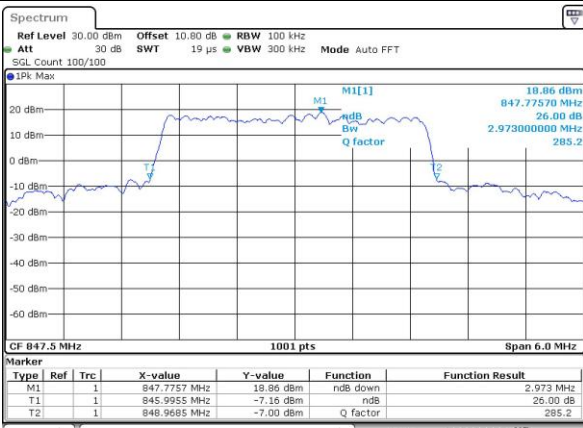
Date: 3,NOV,2016 16:07:53

Middle Channel / 3MHz / 16QAM



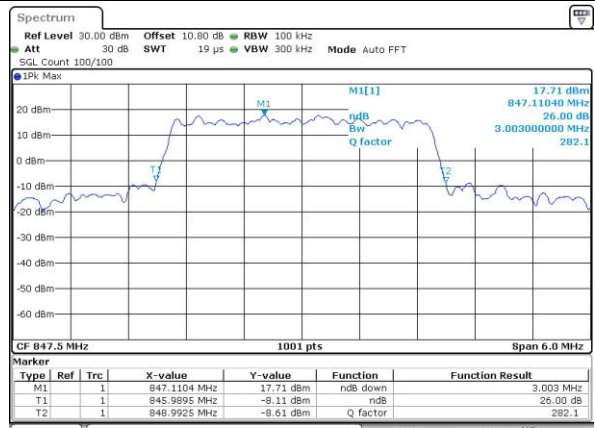
Date: 3,NOV,2016 16:08:04

Highest Channel / 3MHz / QPSK



Date: 3,NOV,2016 16:10:37

Highest Channel / 3MHz / 16QAM

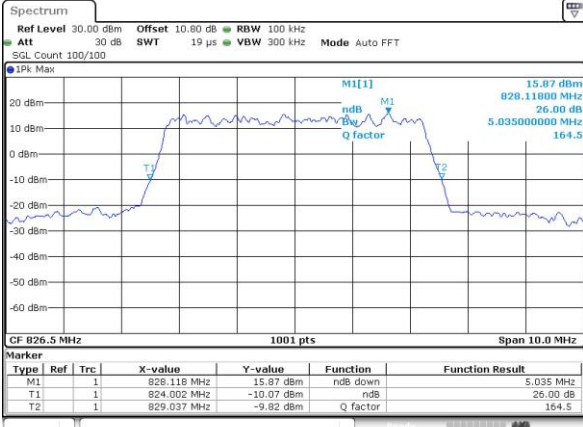


Date: 3,NOV,2016 16:10:48



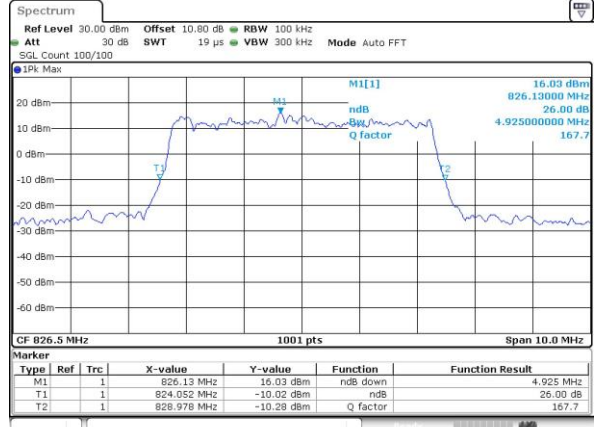
LTE Band 5

Lowest Channel / 5MHz / QPSK



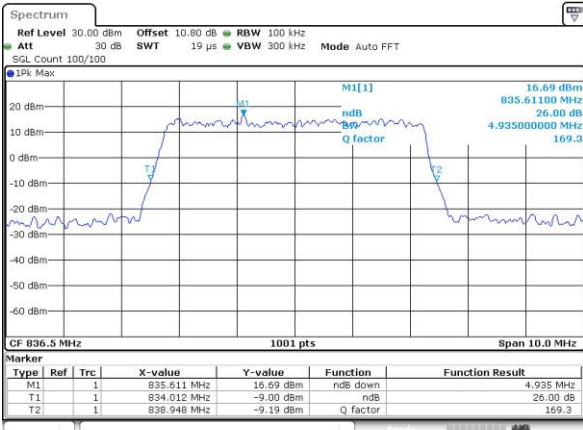
Date: 3,NOV,2016 16:19:58

Lowest Channel / 5MHz / 16QAM



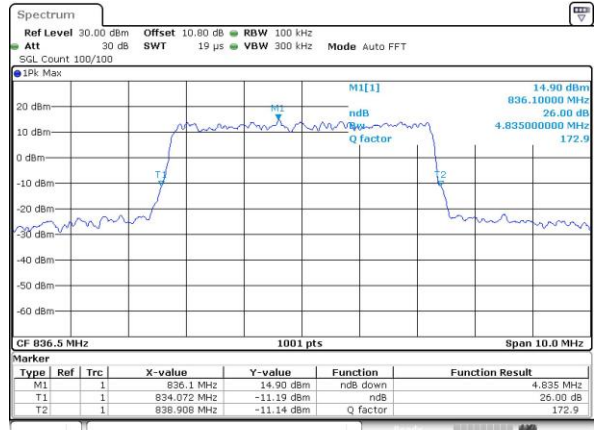
Date: 3,NOV,2016 16:20:10

Middle Channel / 5MHz / QPSK



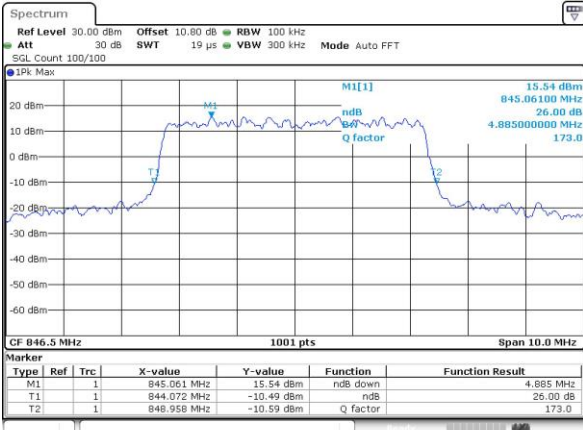
Date: 3,NOV,2016 16:29:20

Middle Channel / 5MHz / 16QAM



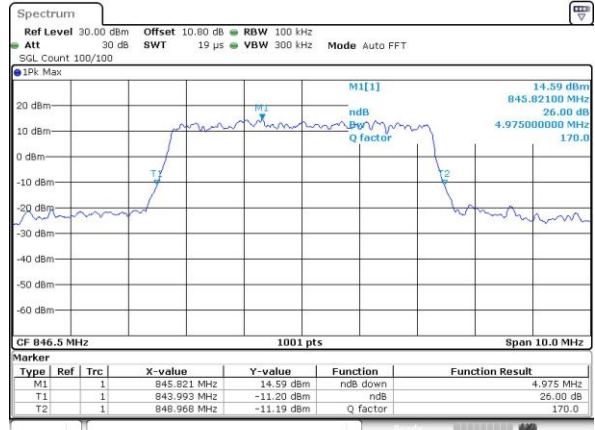
Date: 3,NOV,2016 16:29:32

Highest Channel / 5MHz / QPSK



Date: 3,NOV,2016 16:32:03

Highest Channel / 5MHz / 16QAM

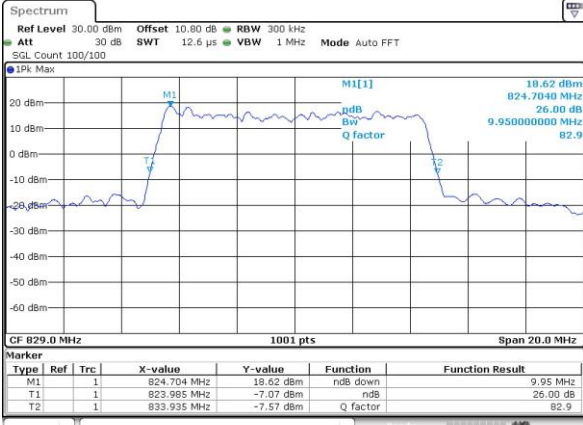


Date: 3,NOV,2016 16:32:15



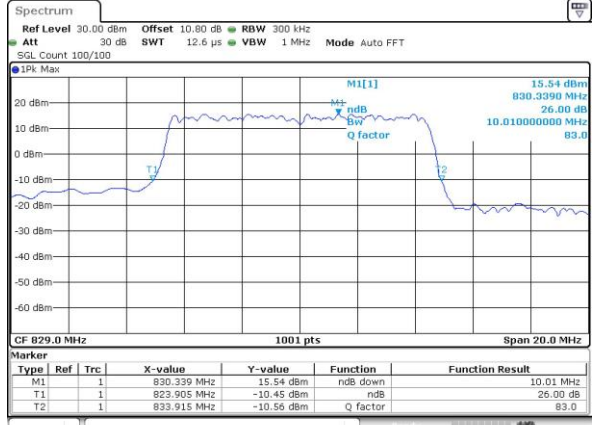
LTE Band 5

Lowest Channel / 10MHz / QPSK



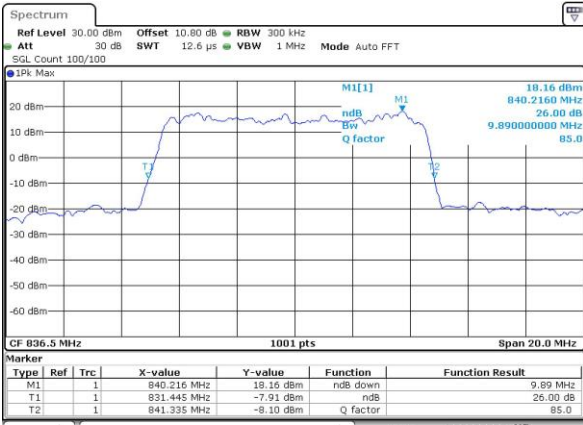
Date: 3,NOV,2016 16:41:24

Lowest Channel / 10MHz / 16QAM



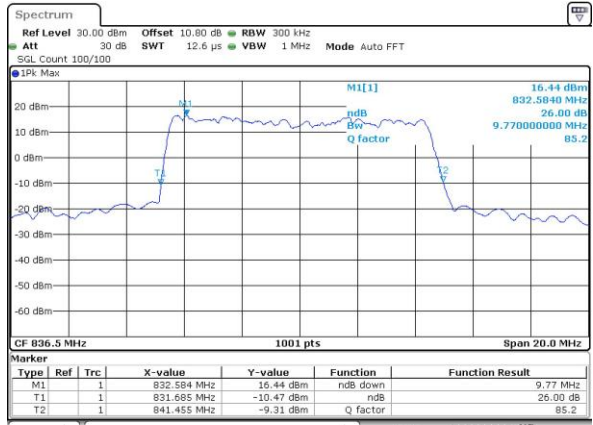
Date: 3,NOV,2016 16:41:36

Middle Channel / 10MHz / QPSK



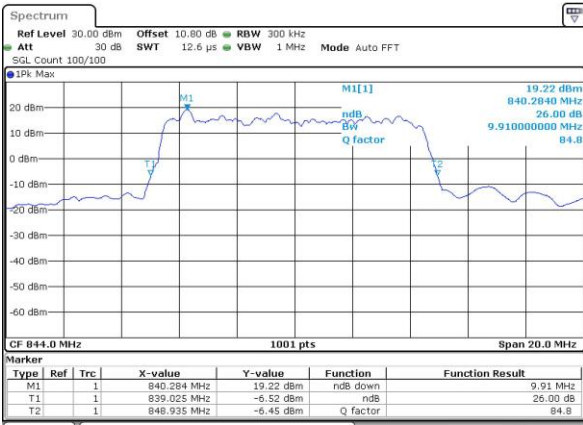
Date: 3,NOV,2016 16:50:46

Middle Channel / 10MHz / 16QAM



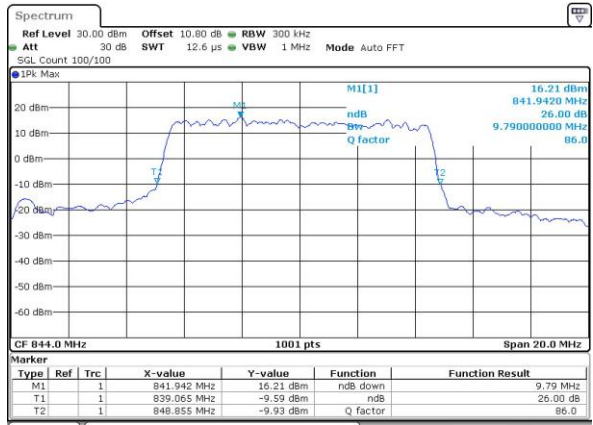
Date: 3,NOV,2016 16:50:58

Highest Channel / 10MHz / QPSK



Date: 3,NOV,2016 16:53:30

Highest Channel / 10MHz / 16QAM



Date: 3,NOV,2016 16:53:41



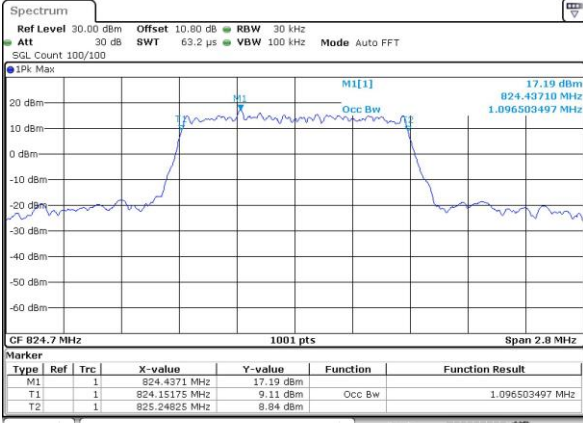
Occupied Bandwidth

| 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 | 1.1 | 1.09 | 2.73 | 2.73 | 4.52 | 4.5 | 9.11 | 9.03 | - | - | - | - |
| Middle CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.51 | 4.5 | 8.99 | 9.09 | - | - | - | - |
| Highest CH | 1.09 | 1.09 | 2.73 | 2.73 | 4.49 | 4.49 | 9.05 | 9.05 | - | - | - | - |



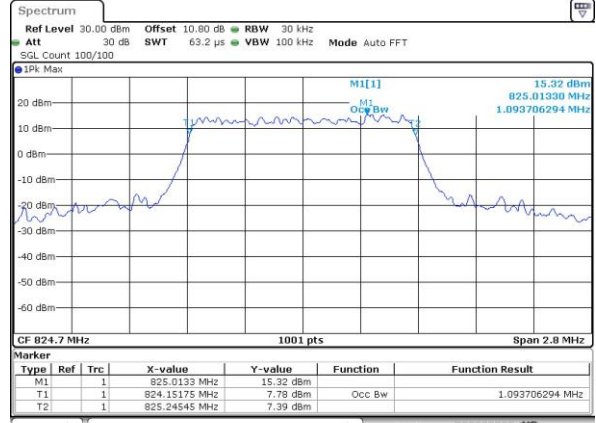
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



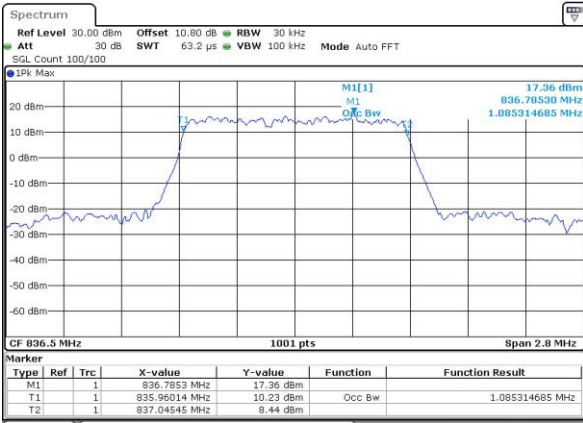
Date: 3,NOV,2016 17:02:28

Lowest Channel / 1.4MHz / 16QAM



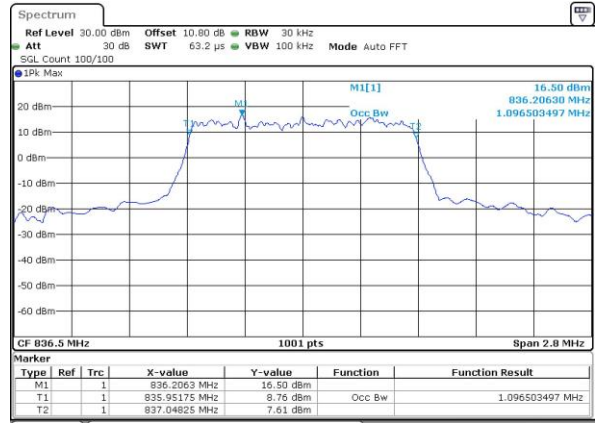
Date: 3,NOV,2016 17:02:40

Middle Channel / 1.4MHz / QPSK



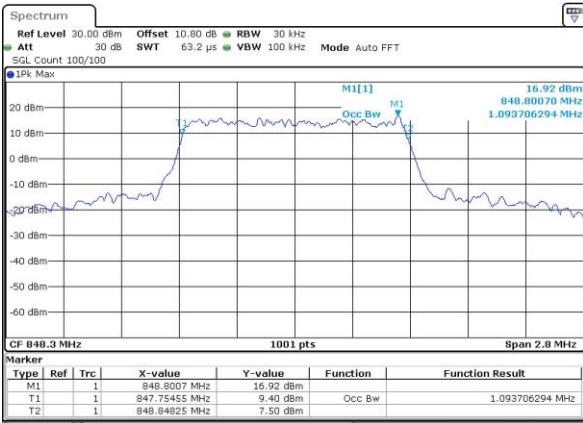
Date: 3,NOV,2016 17:11:49

Middle Channel / 1.4MHz / 16QAM



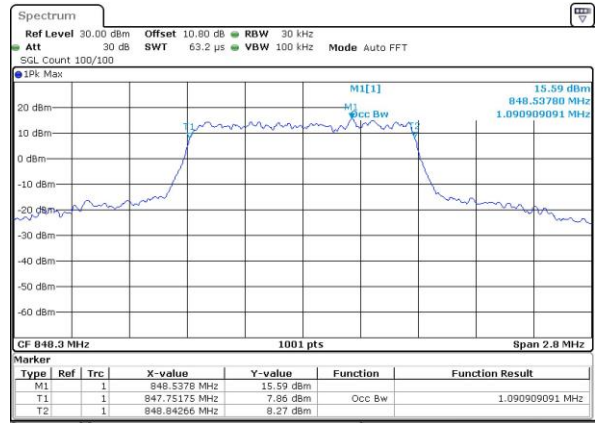
Date: 3,NOV,2016 17:12:01

Highest Channel / 1.4MHz / QPSK



Date: 3,NOV,2016 17:14:33

Highest Channel / 1.4MHz / 16QAM

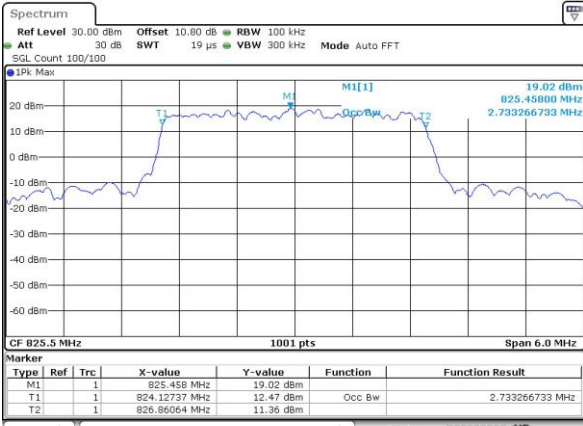


Date: 3,NOV,2016 17:14:45



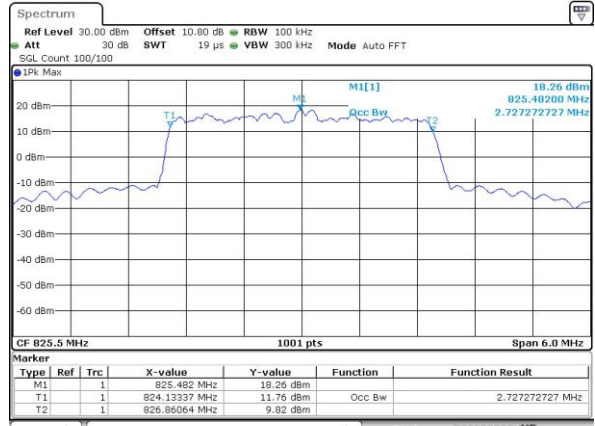
LTE Band 5

Lowest Channel / 3MHz / QPSK



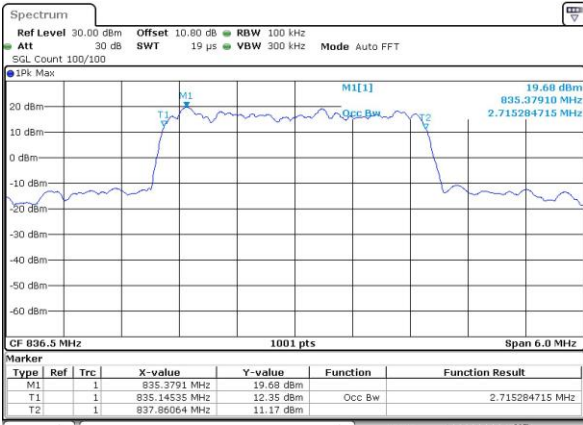
Date: 3,NOV,2016 15:58:07

Lowest Channel / 3MHz / 16QAM



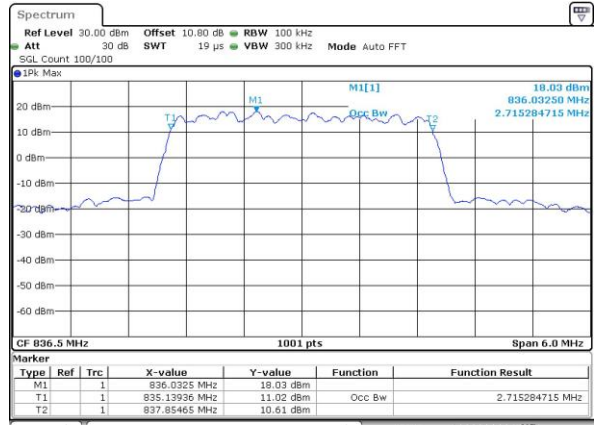
Date: 3,NOV,2016 15:58:19

Middle Channel / 3MHz / QPSK



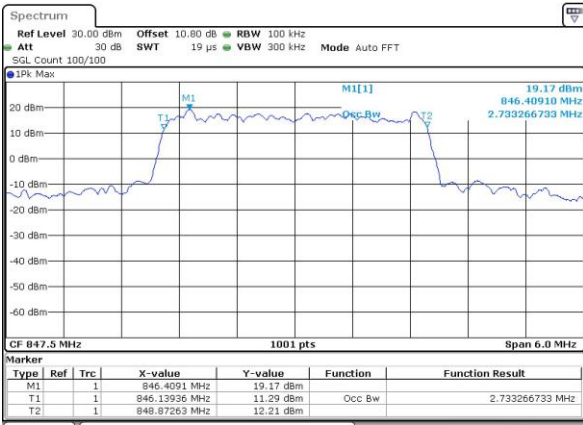
Date: 3,NOV,2016 16:07:20

Middle Channel / 3MHz / 16QAM



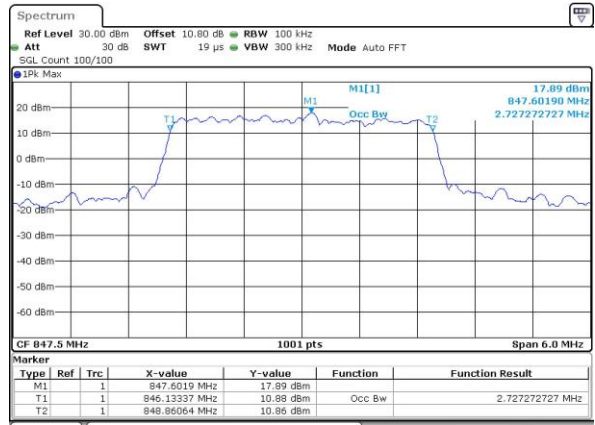
Date: 3,NOV,2016 16:07:41

Highest Channel / 3MHz / QPSK



Date: 3,NOV,2016 16:10:13

Highest Channel / 3MHz / 16QAM

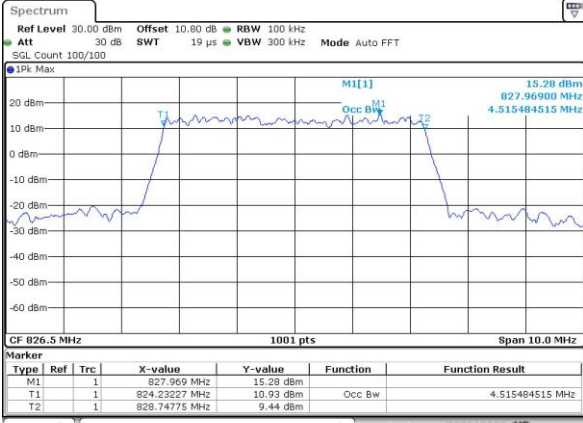


Date: 3,NOV,2016 16:10:25



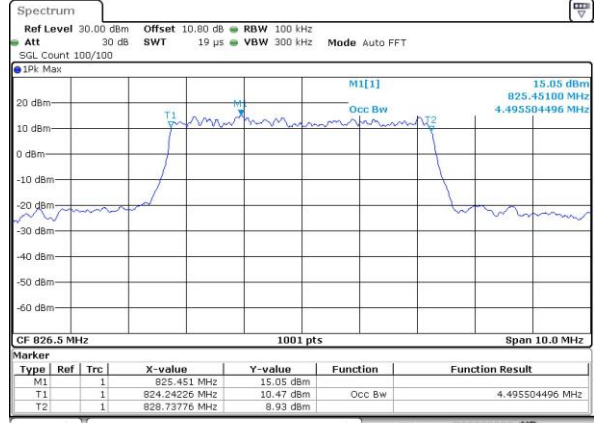
LTE Band 5

Lowest Channel / 5MHz / QPSK



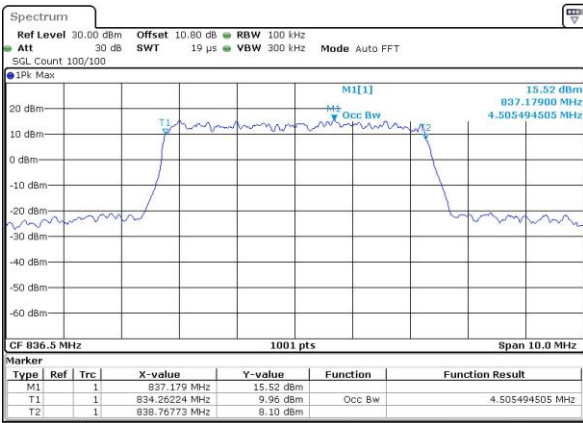
Date: 3,NOV,2016 16:19:35

Lowest Channel / 5MHz / 16QAM



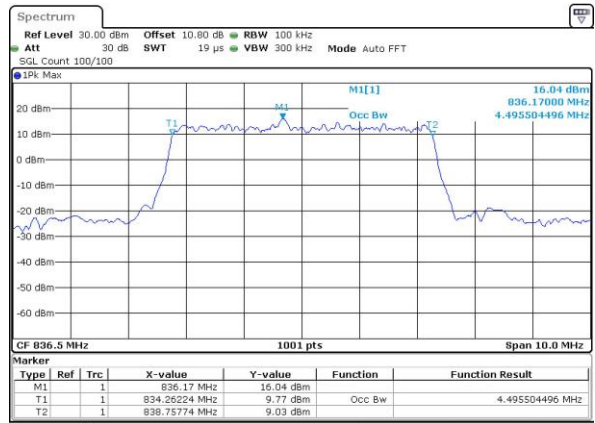
Date: 3,NOV,2016 16:19:46

Middle Channel / 5MHz / QPSK



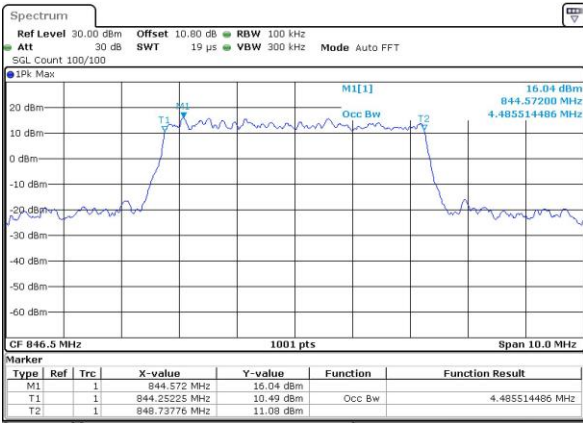
Date: 3,NOV,2016 16:28:56

Middle Channel / 5MHz / 16QAM



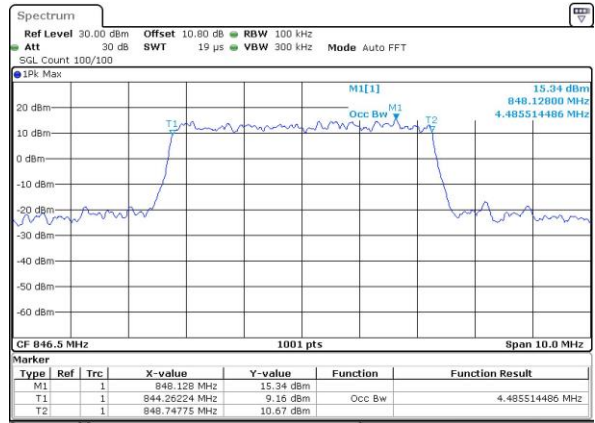
Date: 3,NOV,2016 16:28:08

Highest Channel / 5MHz / QPSK



Date: 3,NOV,2016 16:31:40

Highest Channel / 5MHz / 16QAM

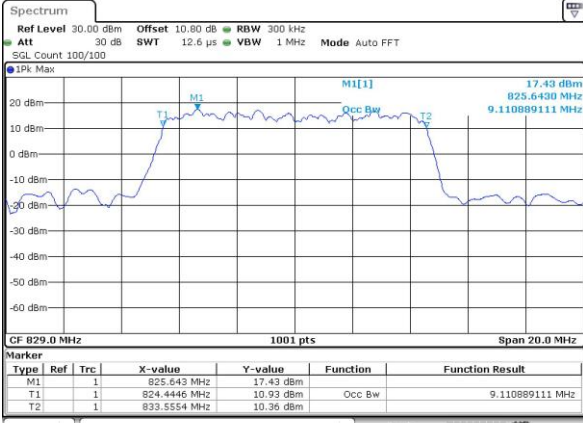


Date: 3,NOV,2016 16:31:51



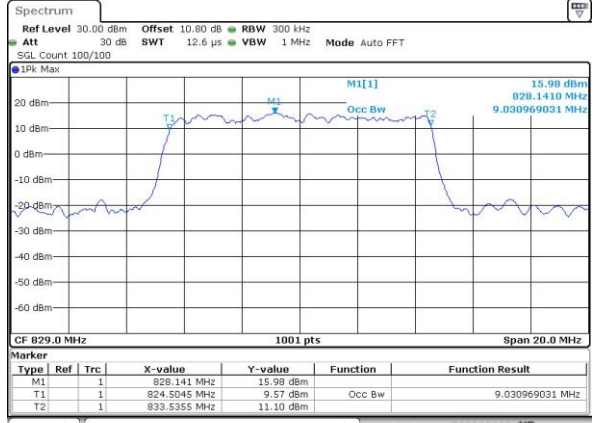
LTE Band 5

Lowest Channel / 10MHz / QPSK



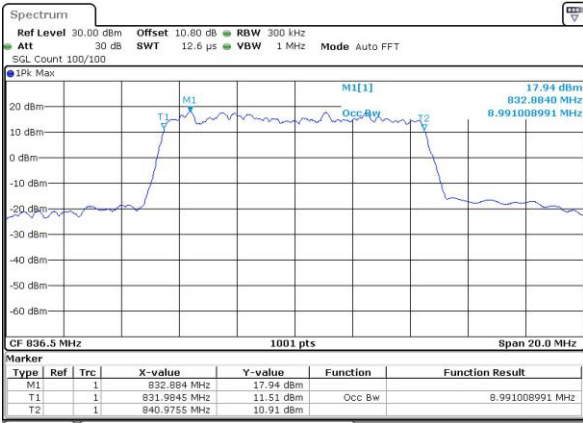
Date: 3,NOV,2016 16:41:01

Lowest Channel / 10MHz / 16QAM



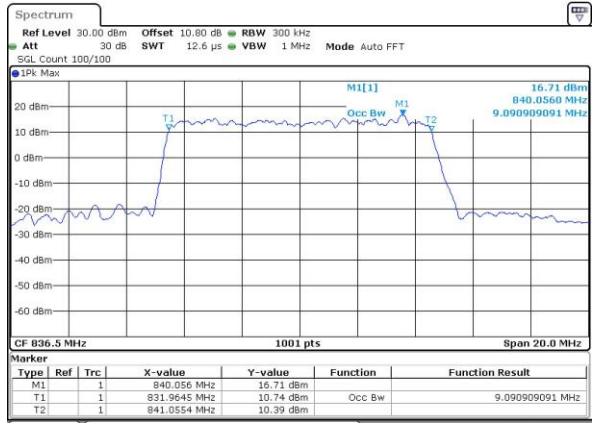
Date: 3,NOV,2016 16:41:13

Middle Channel / 10MHz / QPSK



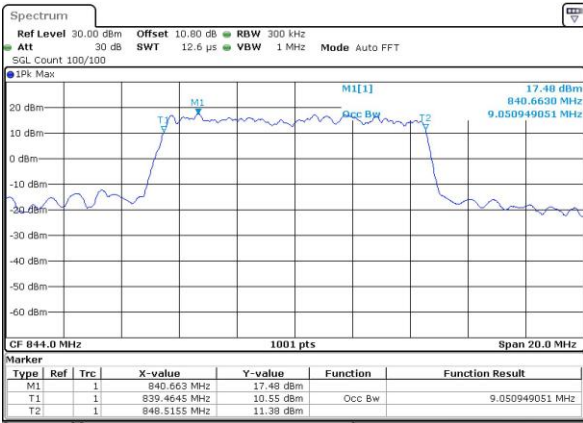
Date: 3,NOV,2016 16:50:23

Middle Channel / 10MHz / 16QAM



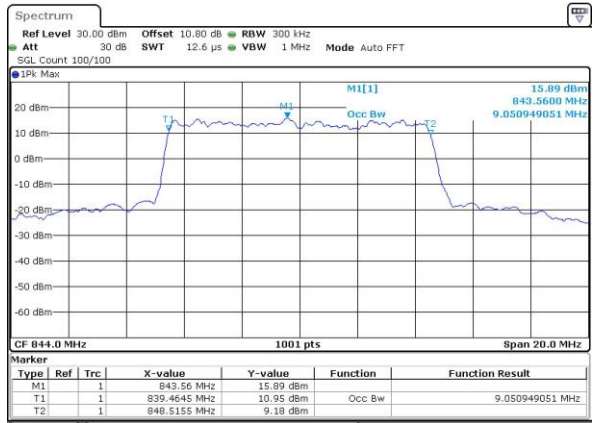
Date: 3,NOV,2016 16:50:34

Highest Channel / 10MHz / QPSK



Date: 3,NOV,2016 16:53:06

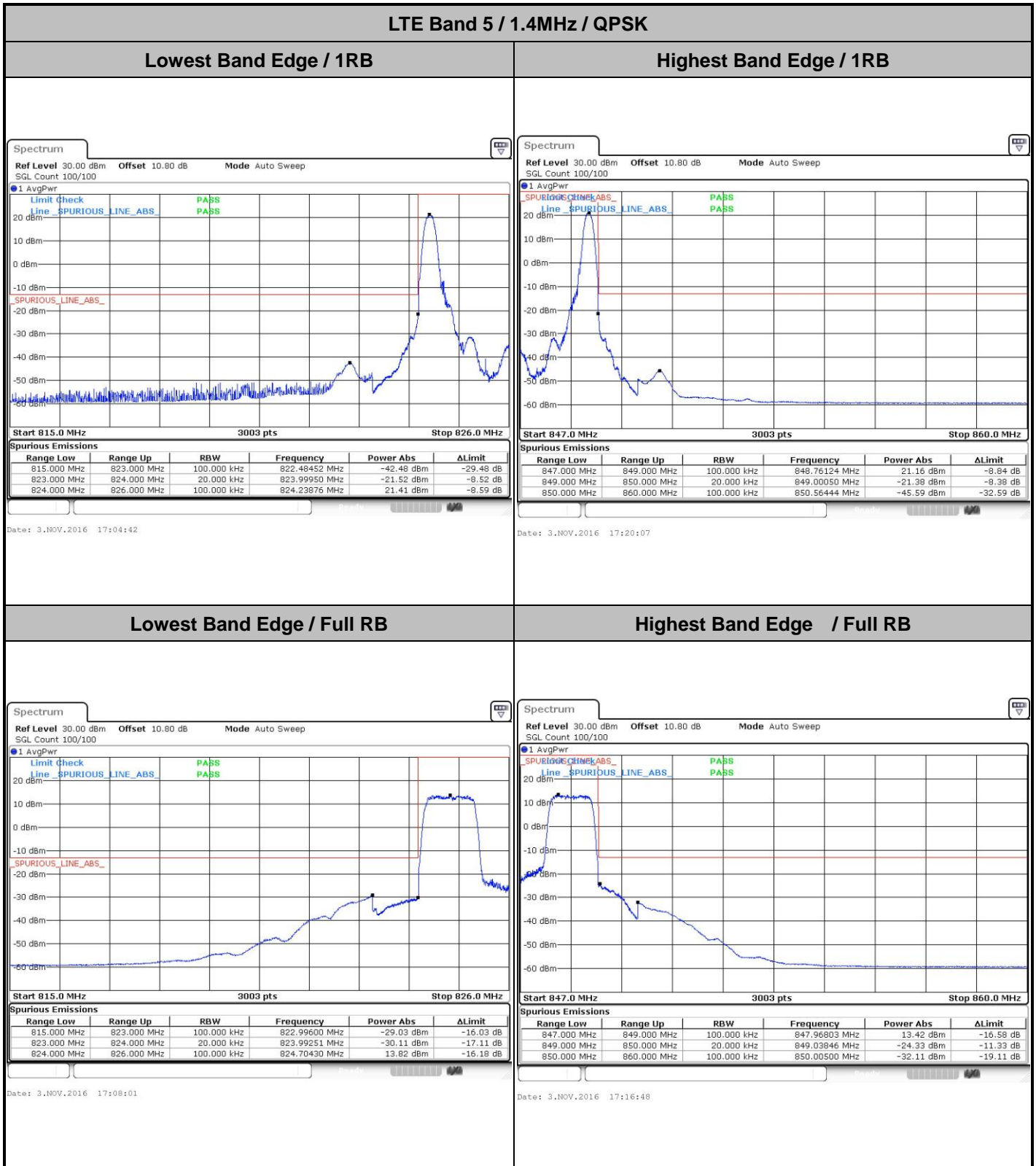
Highest Channel / 10MHz / 16QAM



Date: 3,NOV,2016 16:53:18



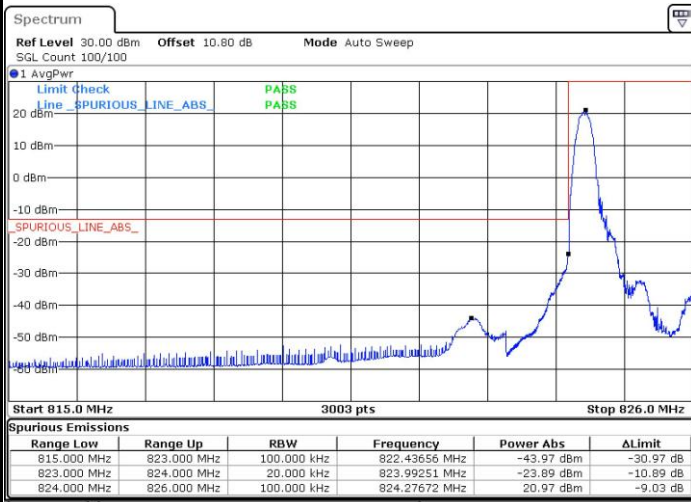
Conducted Band Edge





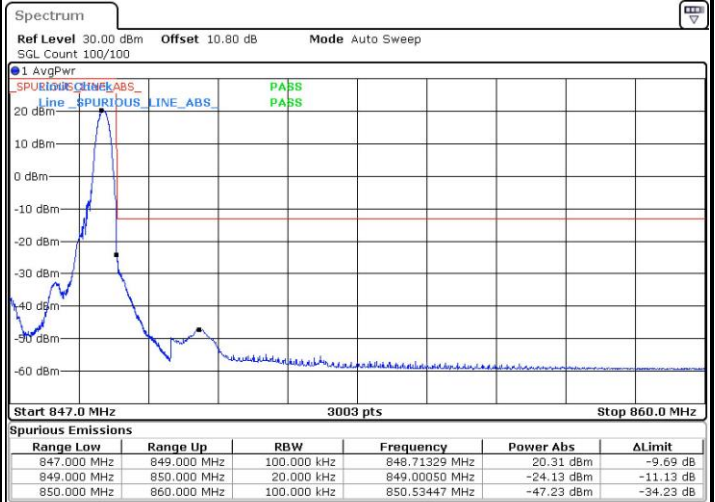
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



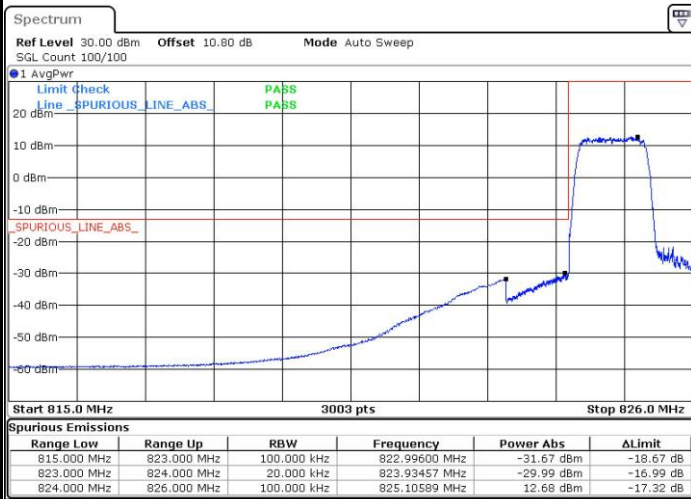
Date: 3.NOV.2016 17:06:22

Highest Band Edge / 1 RB



Date: 3.NOV.2016 17:21:46

Lowest Band Edge / Full RB



Date: 3.NOV.2016 17:09:41

Highest Band Edge / Full RB

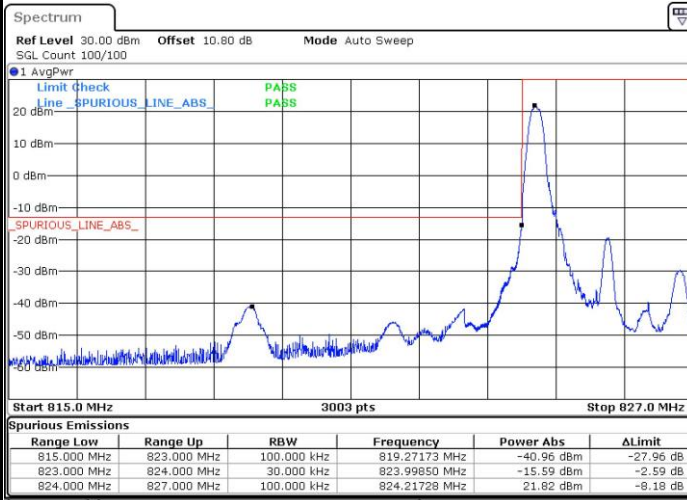


Date: 3.NOV.2016 17:18:27

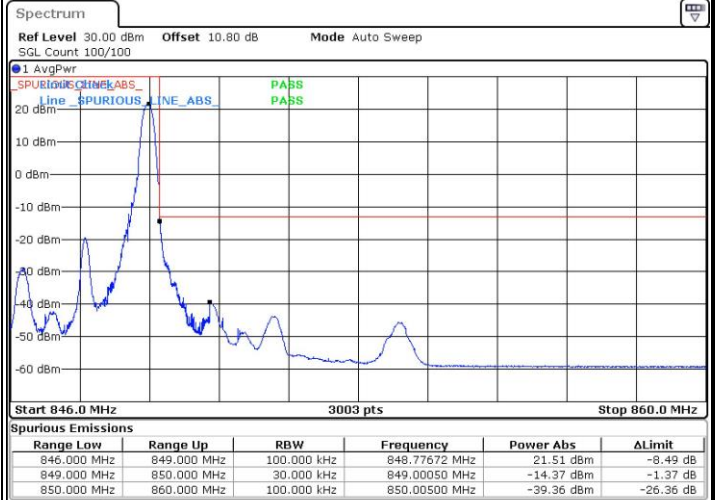


LTE Band 5 / 3MHz / QPSK

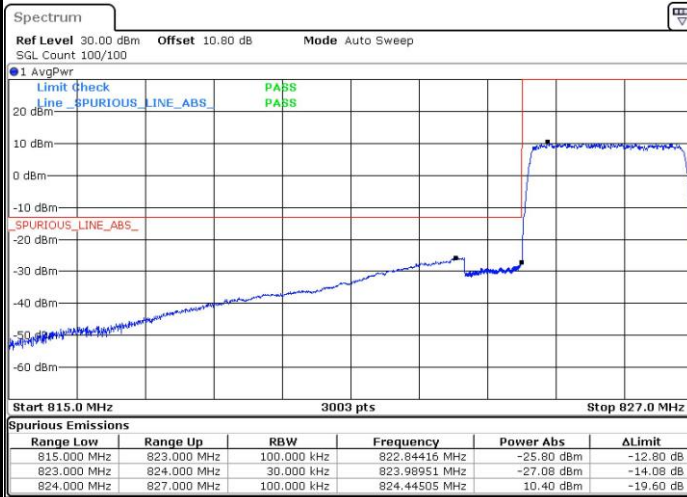
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



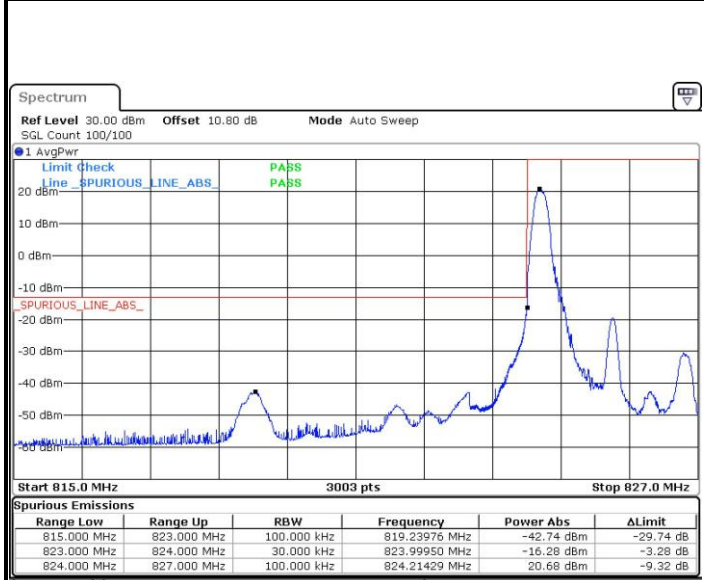
Highest Band Edge / Full RB





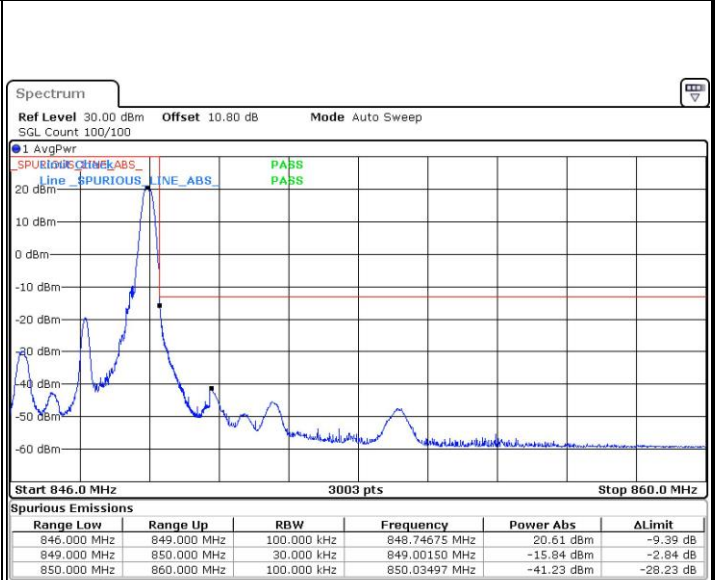
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



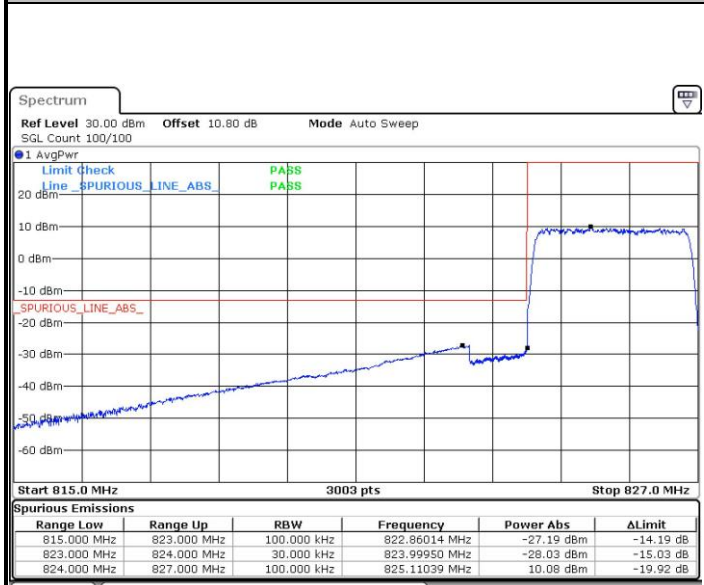
Date: 3.NOV.2016 16:02:01

Highest Band Edge / 1 RB



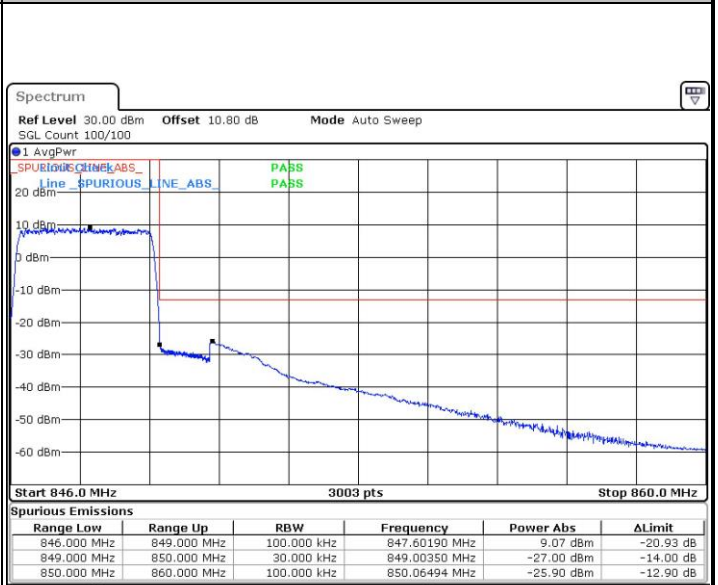
Date: 3.NOV.2016 16:14:07

Lowest Band Edge / Full RB



Date: 3.NOV.2016 16:05:20

Highest Band Edge / Full RB

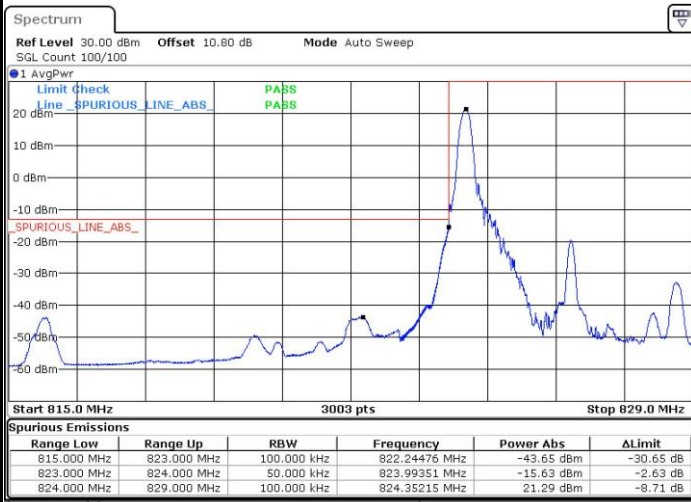


Date: 3.NOV.2016 16:17:26



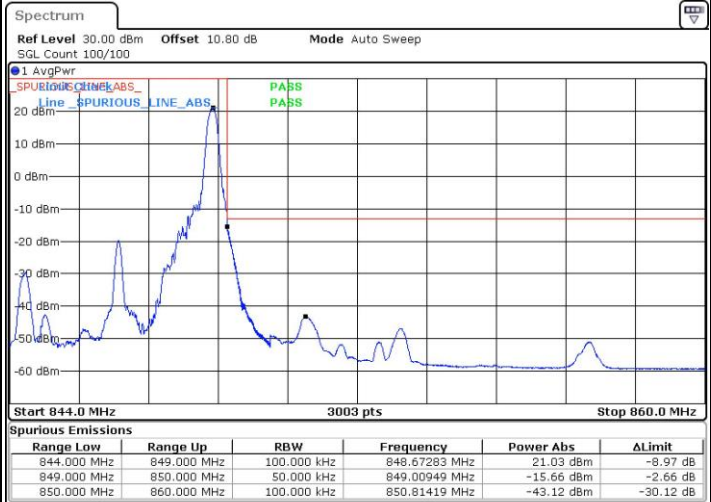
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



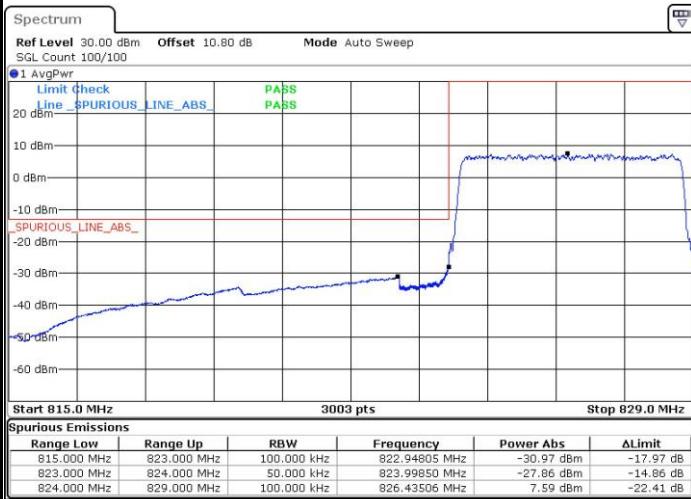
Date: 3.NOV.2016 16:21:49

Highest Band Edge / 1 RB



Date: 3.NOV.2016 16:33:54

Lowest Band Edge / Full RB



Date: 3.NOV.2016 16:25:08

Highest Band Edge / Full RB

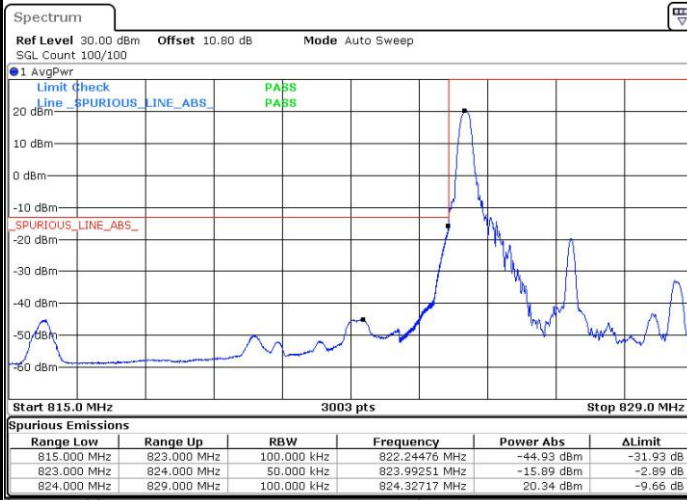


Date: 3.NOV.2016 16:37:13



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



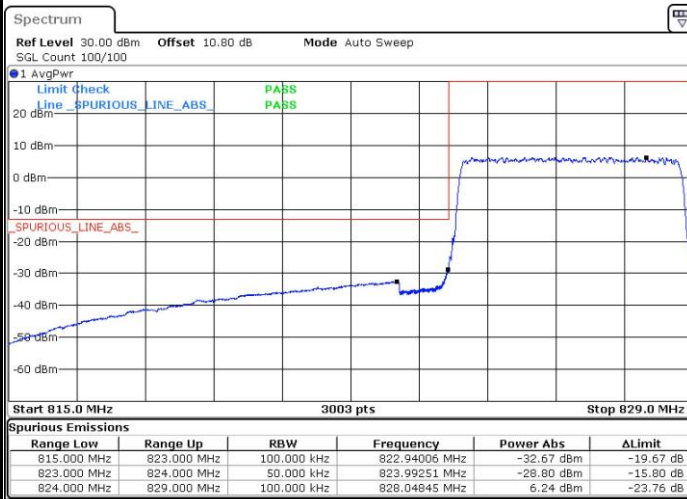
Date: 3.NOV.2016 16:23:29

Highest Band Edge / 1 RB



Date: 3.NOV.2016 16:35:34

Lowest Band Edge / Full RB



Date: 3.NOV.2016 16:26:48

Highest Band Edge / Full RB



Date: 3.NOV.2016 16:38:53