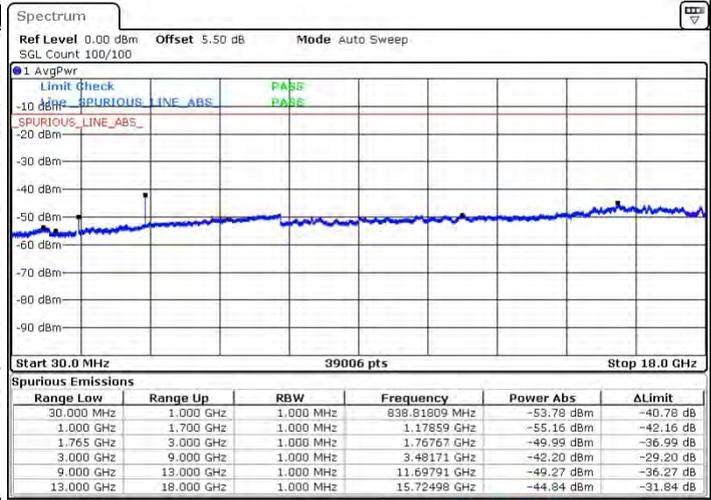
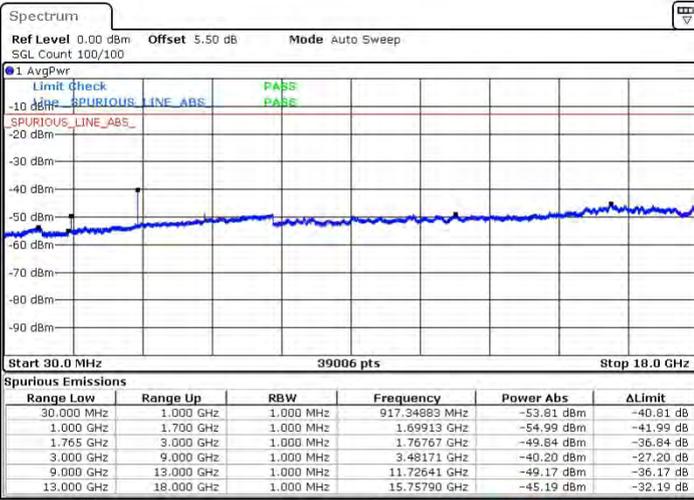




LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



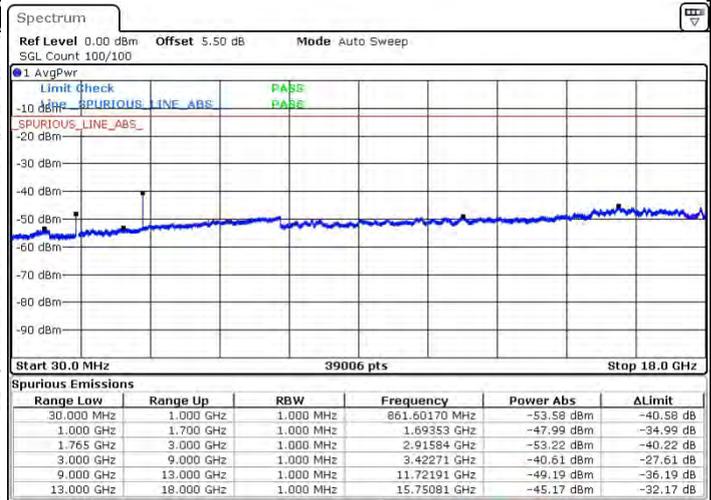
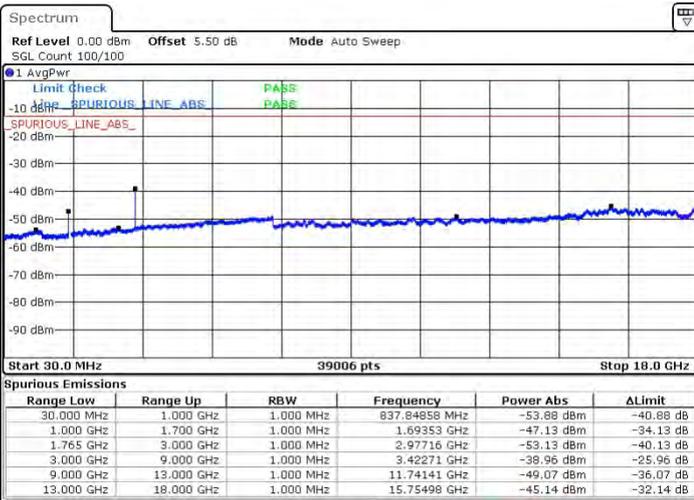
Date: 16 JAN 2015 10:29:09

Date: 16 JAN 2015 10:30:28

LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16 JAN 2015 10:32:30

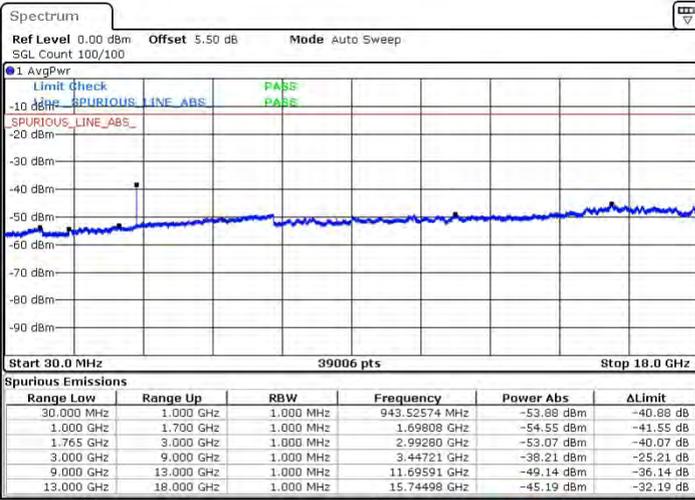
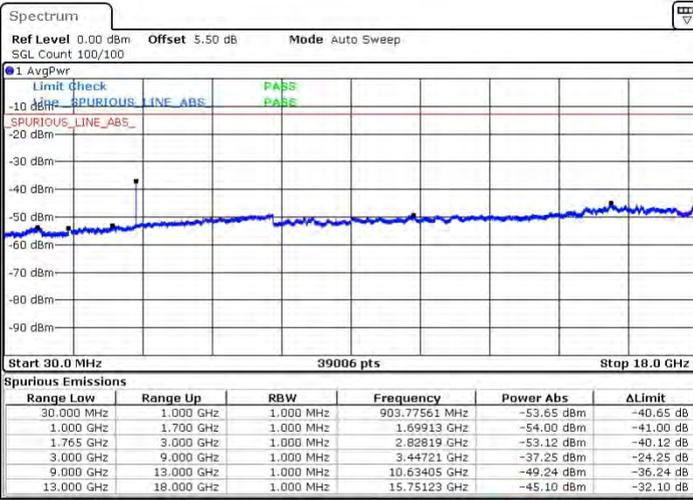
Date: 16 JAN 2015 10:33:48



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

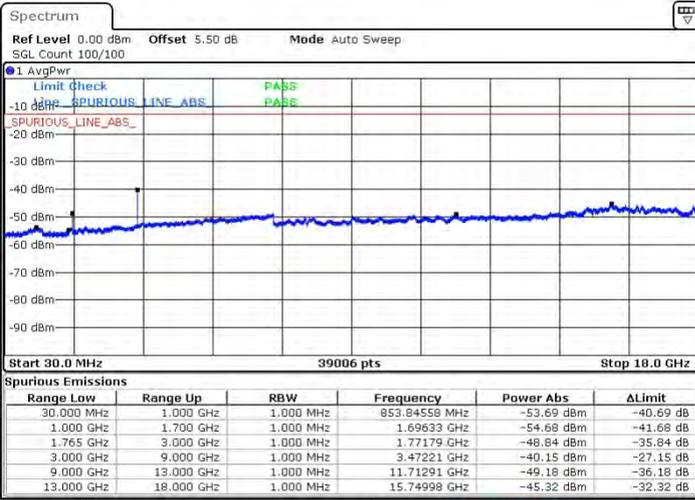
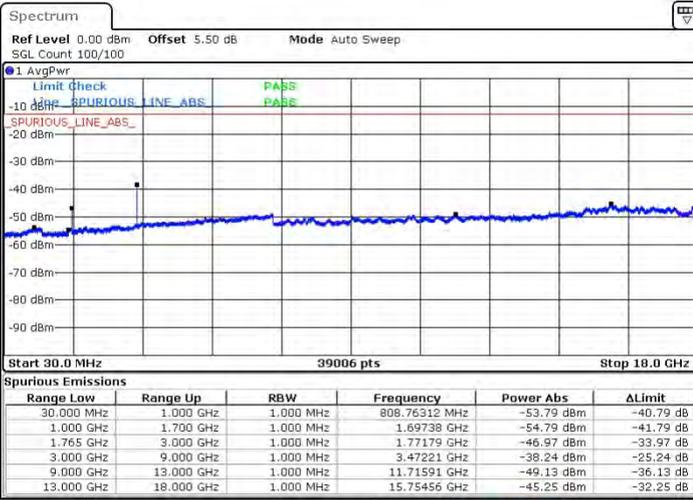


Date: 16 JAN 2015 10:35:50

Date: 16 JAN 2015 10:37:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16 JAN 2015 10:39:10

Date: 16 JAN 2015 10:40:29



**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    | 0.0065                             | PASS    |
| 40               | Normal Voltage    | 0.0054                             |         |
| 30               | Normal Voltage    | 0.0042                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0047                             |         |
| 0                | Normal Voltage    | 0.0054                             |         |
| -10              | Normal Voltage    | 0.0029                             |         |
| -20              | Normal Voltage    | 0.0050                             |         |
| -30              | Normal Voltage    | 0.0071                             |         |
| 20               | Maximum Voltage   | 0.0040                             |         |
| 20               | Normal Voltage    | 0.0002                             |         |
| 20               | Battery End Point | 0.0058                             |         |

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) = 3.5 V ; Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## LTE Band 5

### Peak-to-Average Ratio

| Mode       | LTE Band 5 / 10MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | RB Size | Result      |
| Lowest CH  | 3.97               | 4.96    | 4.58  | 5.88    | <b>PASS</b> |
| Middle CH  | 3.91               | 4.96    | 4.93  | 5.91    |             |
| Highest CH | 3.94               | 4.81    | 5.25  | 5.83    |             |



LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 16 JAN 2015 14:18:11

Lowest Channel / Full RB



Date: 16 JAN 2015 14:18:26

Middle Channel / 1RB



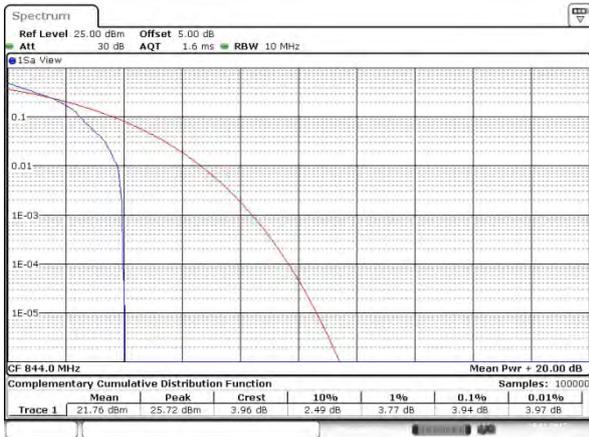
Date: 16 JAN 2015 14:19:59

Middle Channel / Full RB



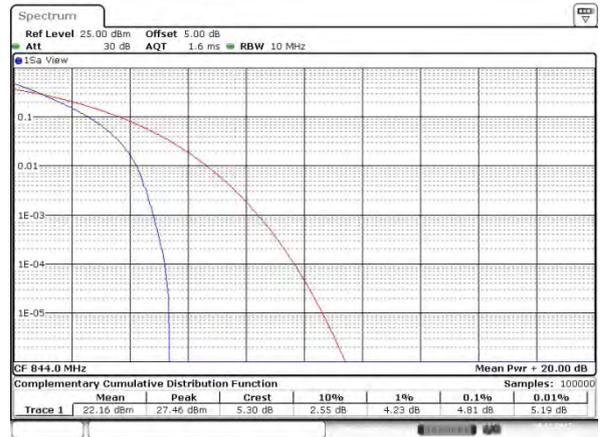
Date: 16 JAN 2015 14:20:25

Highest Channel / 1RB



Date: 16 JAN 2015 14:21:32

Highest Channel / Full RB

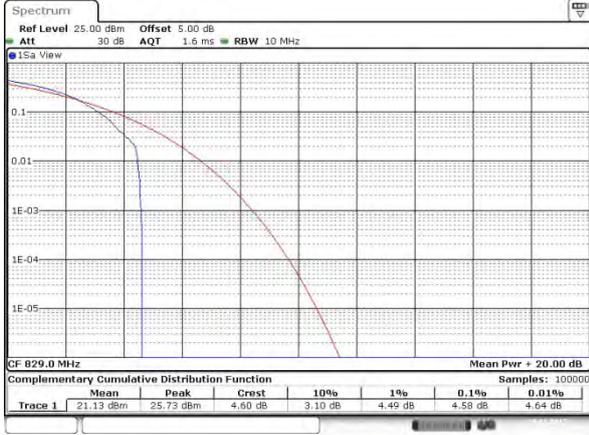


Date: 16 JAN 2015 14:21:47



LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



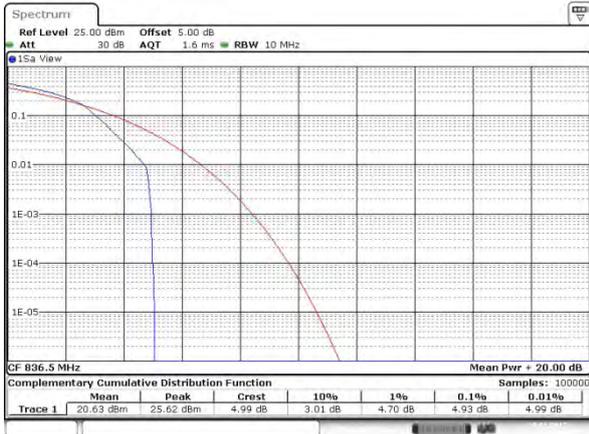
Date: 16 JAN 2015 14:17:36

Lowest Channel / Full RB



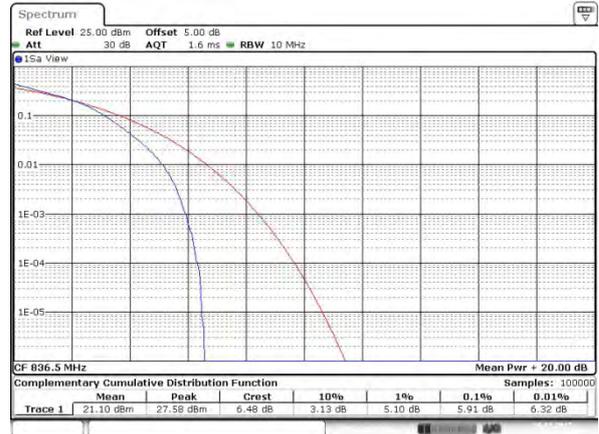
Date: 16 JAN 2015 14:18:43

Middle Channel / 1RB



Date: 16 JAN 2015 14:19:04

Middle Channel / Full RB



Date: 16 JAN 2015 14:20:44

Highest Channel / 1RB



Date: 16 JAN 2015 14:21:07

Highest Channel / Full RB



Date: 16 JAN 2015 14:22:12



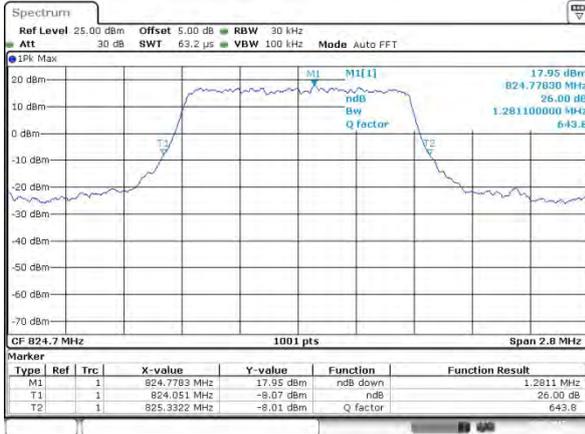
**26dB Bandwidth**

| Mode       | LTE Band 5 : 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  | 1.2811                    | 1.2923 | 3.045 | 3.0509 | 5.045 | 5.025 | 10.01 | 9.97  | -     | -     | -     | -     |
| Middle CH  | 1.2839                    | 1.2951 | 3.045 | 3.0629 | 5.055 | 5.065 | 10.05 | 10.09 | -     | -     | -     | -     |
| Highest CH | 1.2811                    | 1.3035 | 3.045 | 3.0569 | 5.055 | 5.075 | 10.07 | 9.97  | -     | -     | -     | -     |



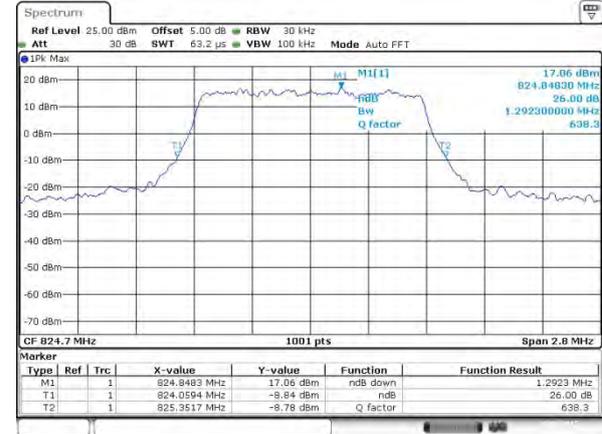
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



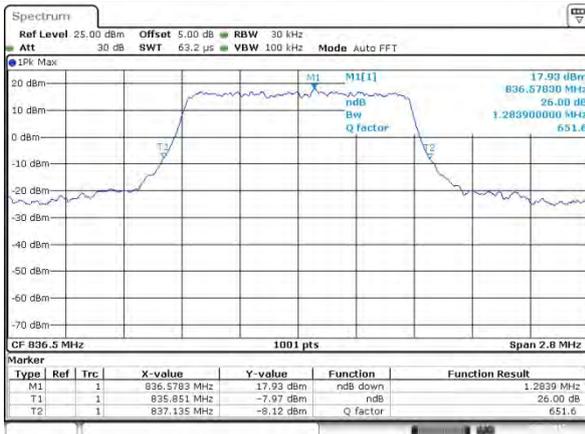
Date: 16 JAN 2015 13:35:36

Lowest Channel / 1.4MHz / 16QAM



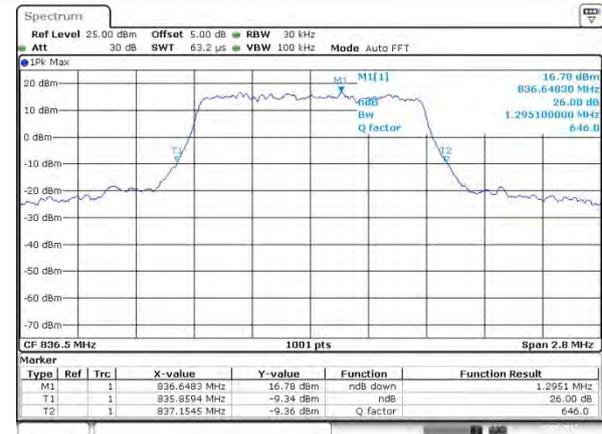
Date: 16 JAN 2015 13:35:24

Middle Channel / 1.4MHz / QPSK



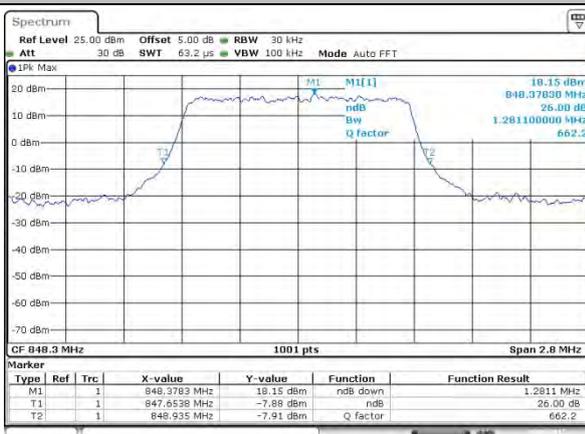
Date: 16 JAN 2015 13:38:43

Middle Channel / 1.4MHz / 16QAM



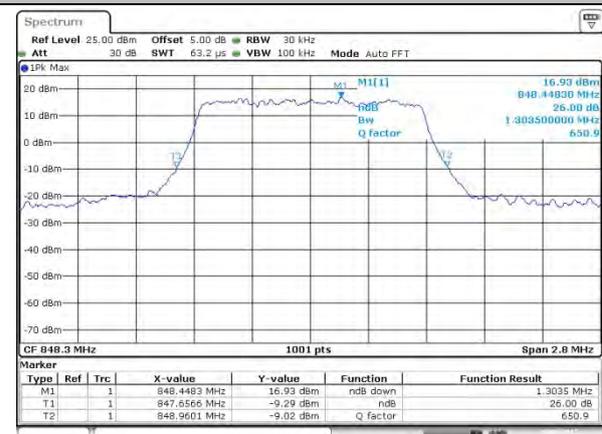
Date: 16 JAN 2015 13:38:55

Highest Channel / 1.4MHz / QPSK



Date: 16 JAN 2015 13:42:03

Highest Channel / 1.4MHz / 16QAM

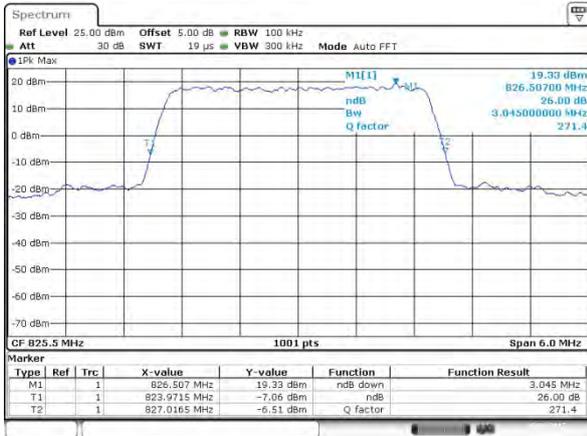


Date: 16 JAN 2015 13:42:15



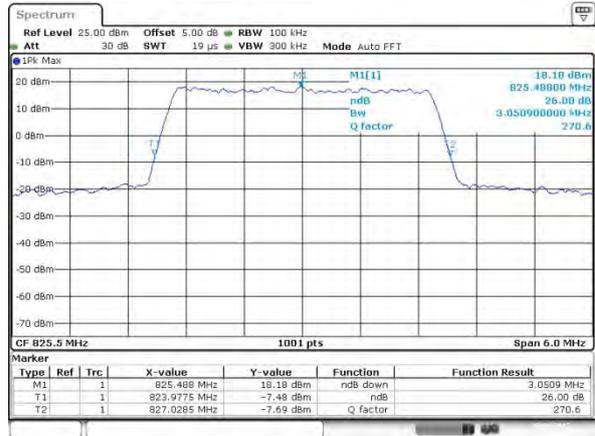
LTE Band 5

Lowest Channel / 3MHz / QPSK



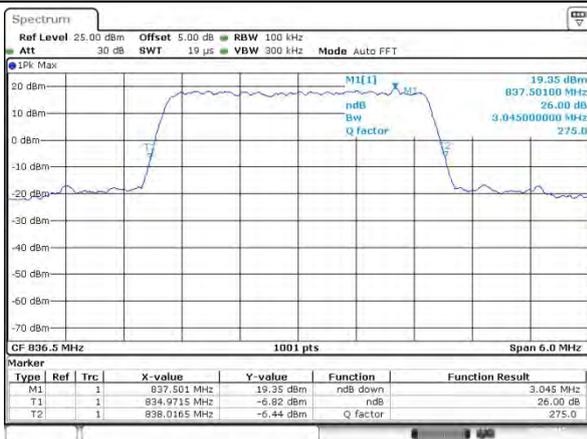
Date: 16 JAN 2015 13:45:22

Lowest Channel / 3MHz / 16QAM



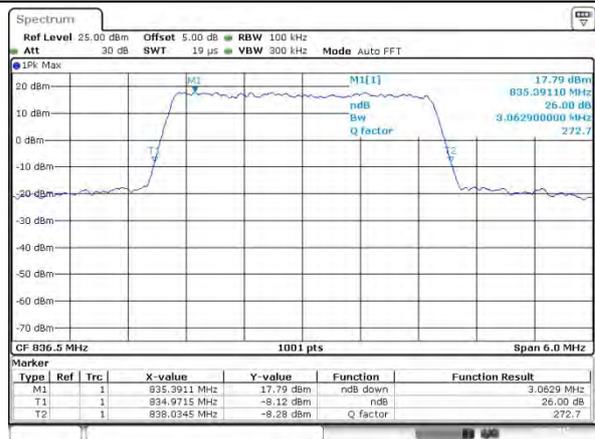
Date: 16 JAN 2015 13:45:34

Middle Channel / 3MHz / QPSK



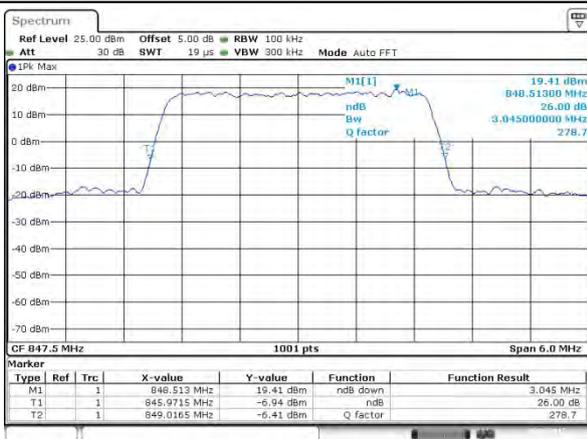
Date: 16 JAN 2015 13:48:41

Middle Channel / 3MHz / 16QAM



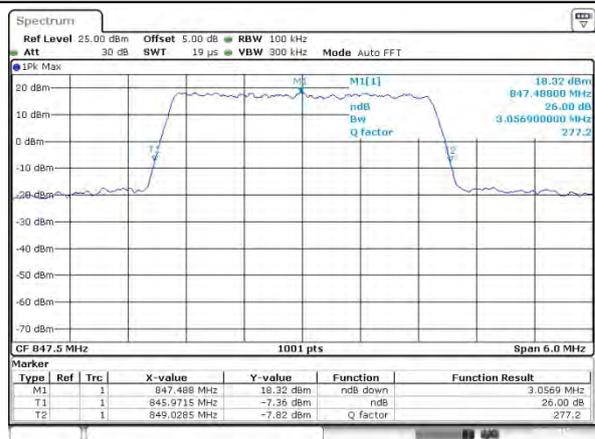
Date: 16 JAN 2015 13:48:53

Highest Channel / 3MHz / QPSK



Date: 16 JAN 2015 13:52:01

Highest Channel / 3MHz / 16QAM

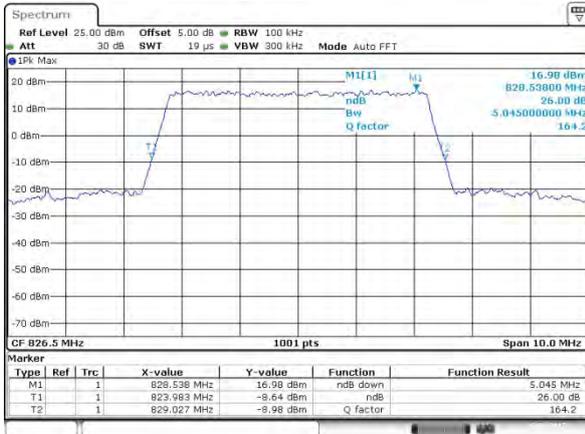


Date: 16 JAN 2015 13:52:13



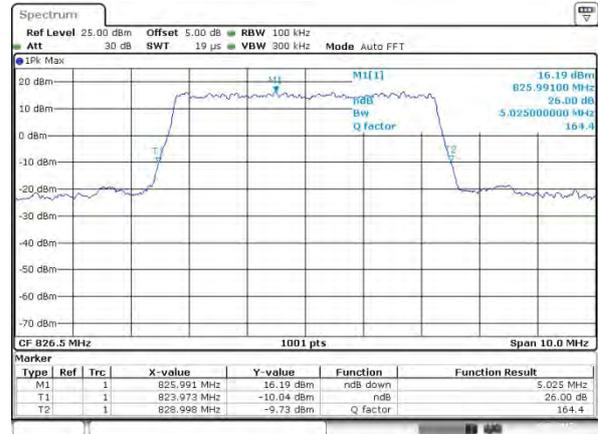
LTE Band 5

Lowest Channel / 5MHz / QPSK



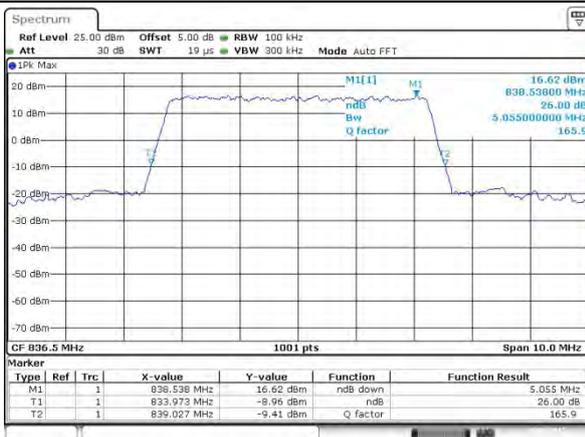
Date: 16 JAN 2015 13:55:20

Lowest Channel / 5MHz / 16QAM



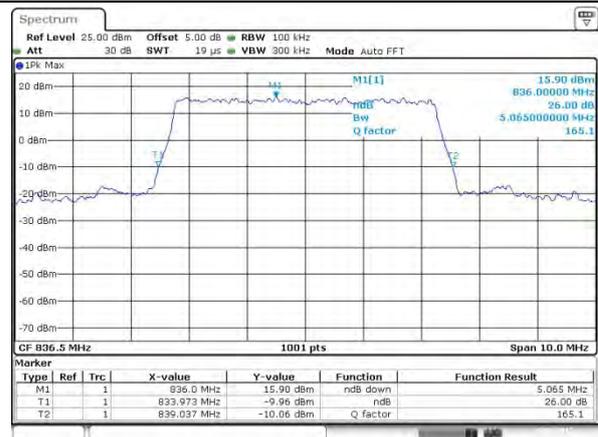
Date: 16 JAN 2015 13:55:32

Middle Channel / 5MHz / QPSK



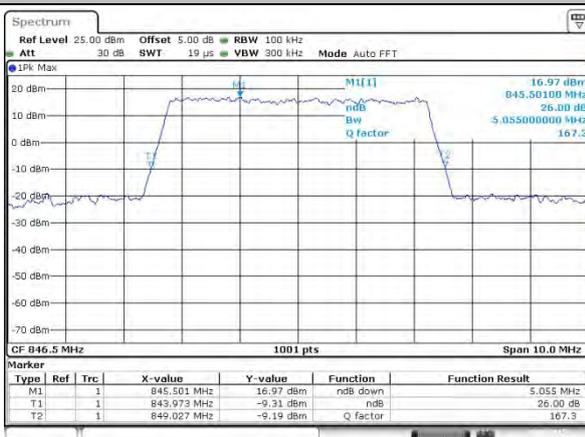
Date: 16 JAN 2015 13:56:40

Middle Channel / 5MHz / 16QAM



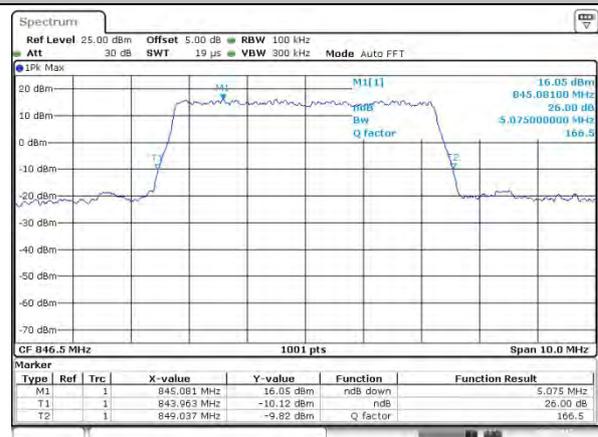
Date: 16 JAN 2015 13:56:52

Highest Channel / 5MHz / QPSK



Date: 16 JAN 2015 14:01:59

Highest Channel / 5MHz / 16QAM

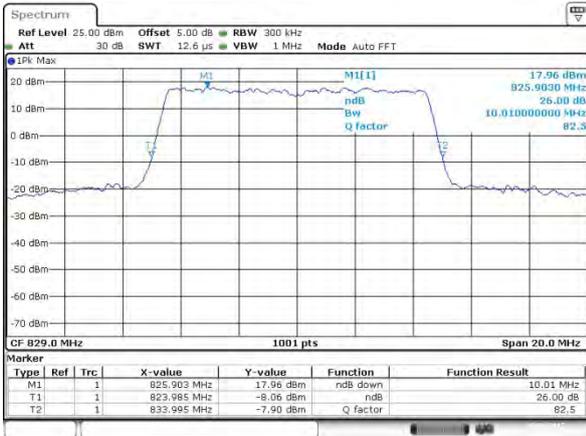


Date: 16 JAN 2015 14:02:11



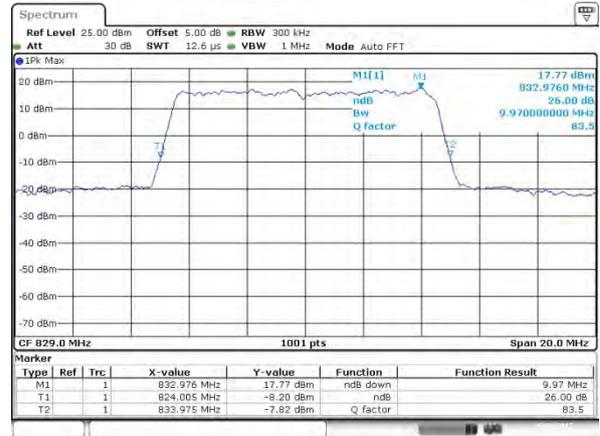
LTE Band 5

Lowest Channel / 10MHz / QPSK



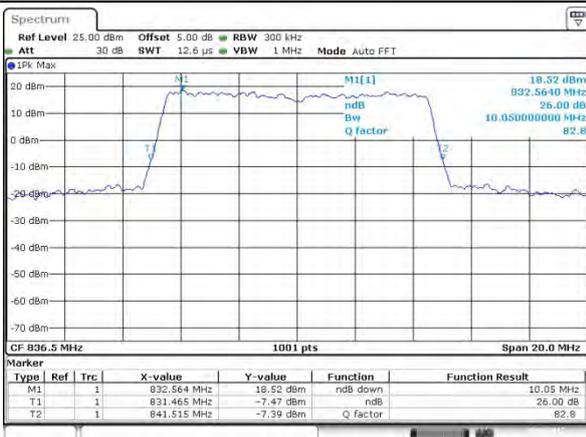
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Lowest Channel / 10MHz / 16QAM



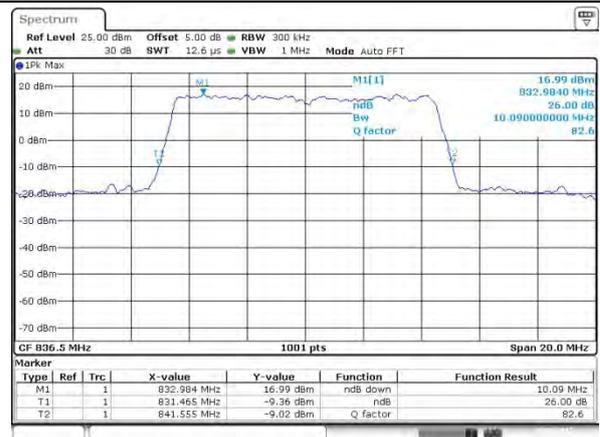
Date: 16 JAN 2015 14:05:30

Middle Channel / 10MHz / QPSK



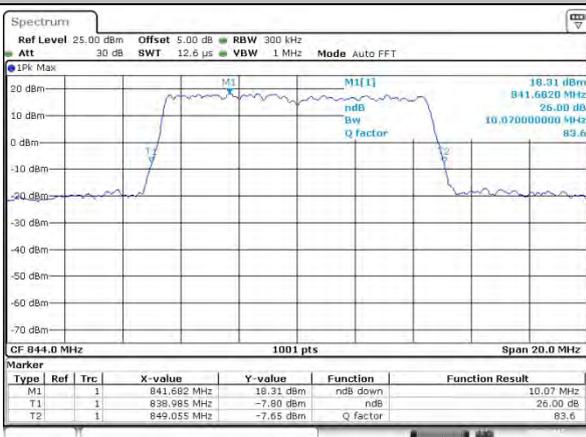
Date: 16 JAN 2015 14:08:38

Middle Channel / 10MHz / 16QAM



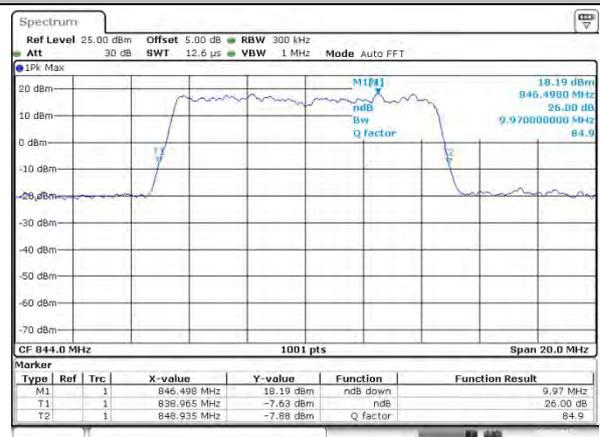
Date: 16 JAN 2015 14:08:50

Highest Channel / 10MHz / QPSK



Date: 16 JAN 2015 14:11:57

Highest Channel / 10MHz / 16QAM



Date: 16 JAN 2015 14:12:09



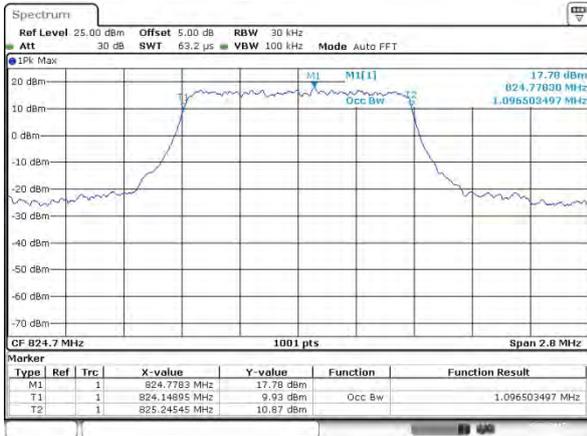
### Occupied Bandwidth

| Mode       | LTE Band 5 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
|            | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| BW         |                          |       |      |       |      |       |       |       |       |       |       |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.1                      | 1.1   | 2.72 | 2.73  | 4.51 | 4.5   | 9.05  | 9.03  | -     | -     | -     | -     |
| Middle CH  | 1.1                      | 1.1   | 2.73 | 2.73  | 4.51 | 4.51  | 9.09  | 9.01  | -     | -     | -     | -     |
| Highest CH | 1.1                      | 1.1   | 2.72 | 2.73  | 4.51 | 4.51  | 9.09  | 9.03  | -     | -     | -     | -     |



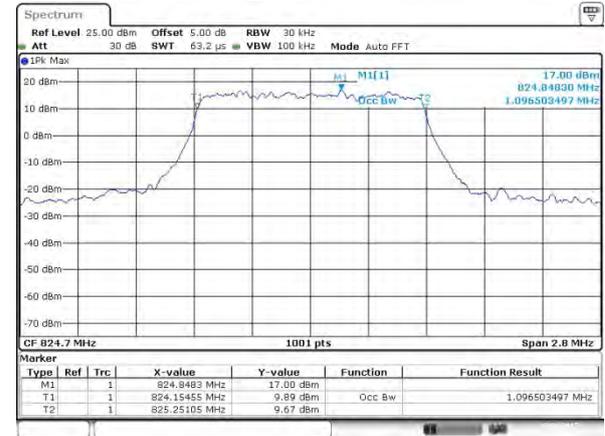
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



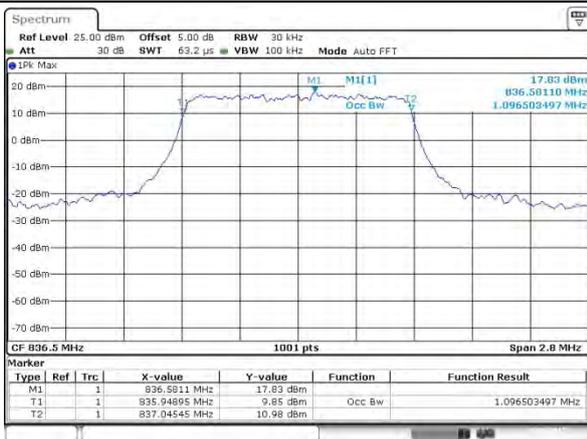
Date: 16 JAN 2015 13:35:02

Lowest Channel / 1.4MHz / 16QAM



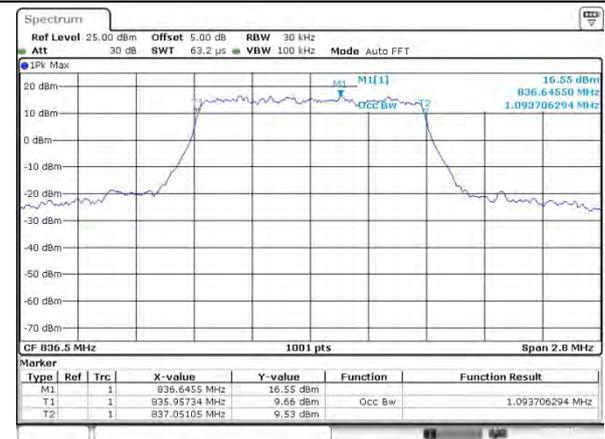
Date: 16 JAN 2015 13:35:12

Middle Channel / 1.4MHz / QPSK



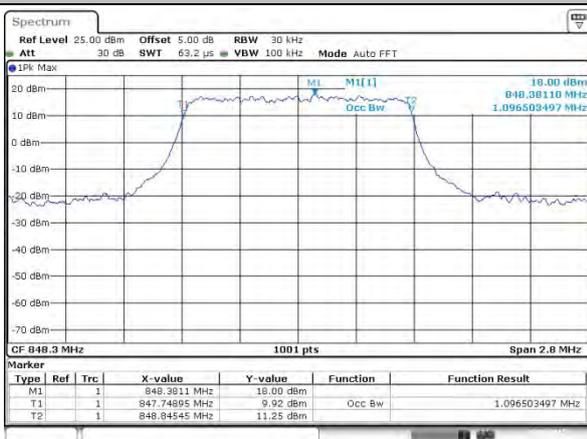
Date: 16 JAN 2015 13:38:21

Middle Channel / 1.4MHz / 16QAM



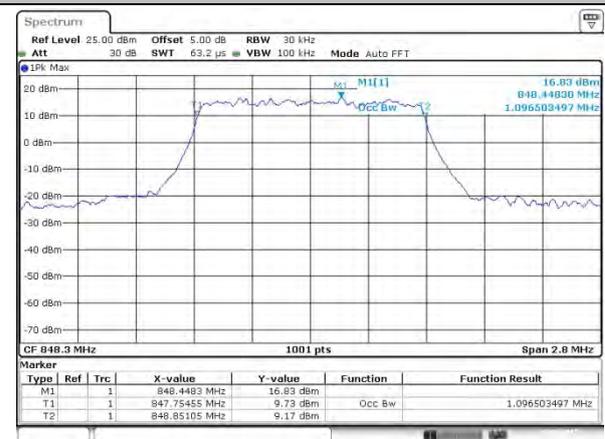
Date: 16 JAN 2015 13:38:31

Highest Channel / 1.4MHz / QPSK



Date: 16 JAN 2015 13:41:41

Highest Channel / 1.4MHz / 16QAM

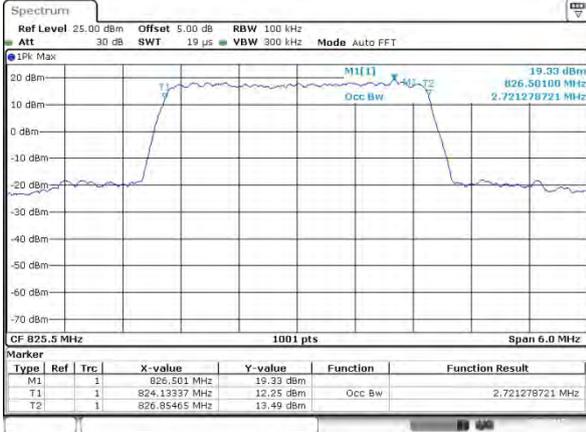


Date: 16 JAN 2015 13:41:51



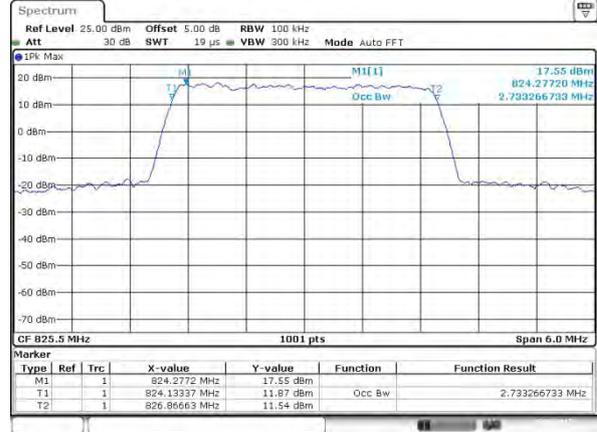
LTE Band 5

Lowest Channel / 3MHz / QPSK



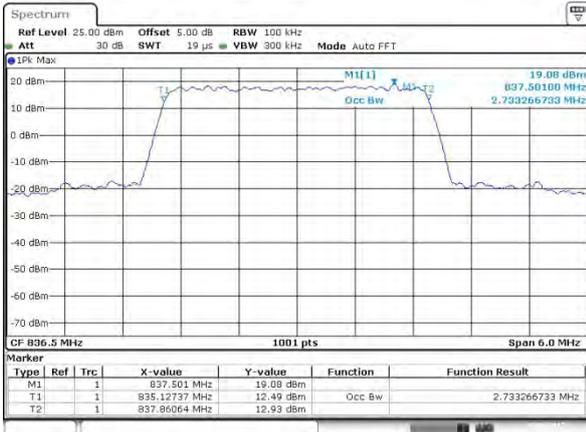
Date: 16 JAN 2015 13:45:00

Lowest Channel / 3MHz / 16QAM



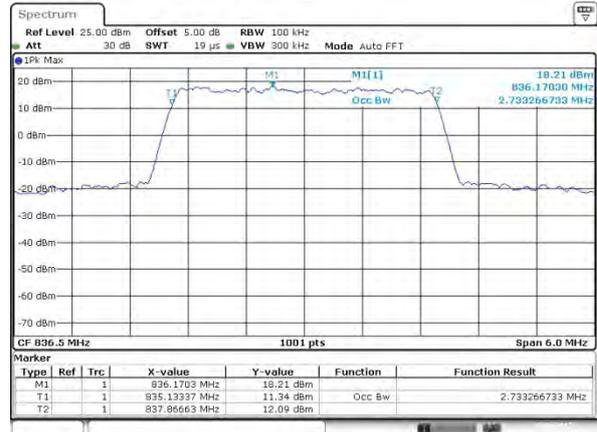
Date: 16 JAN 2015 13:45:10

Middle Channel / 3MHz / QPSK



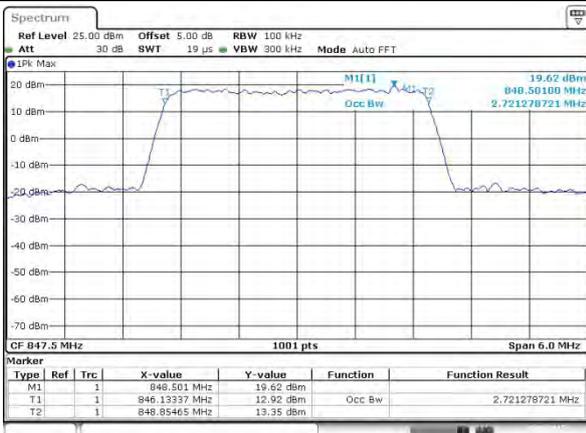
Date: 16 JAN 2015 13:48:20

Middle Channel / 3MHz / 16QAM



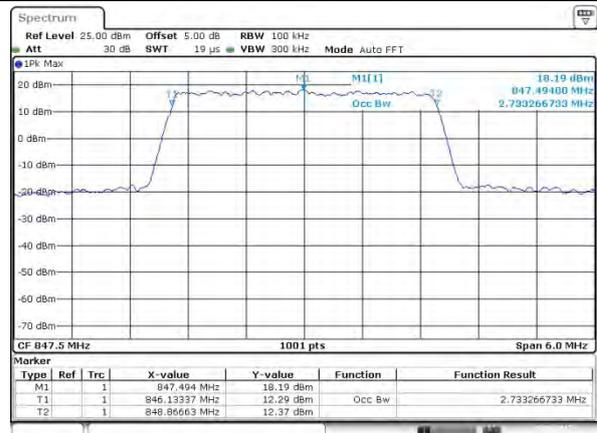
Date: 16 JAN 2015 13:48:30

Highest Channel / 3MHz / QPSK



Date: 16 JAN 2015 13:51:39

Highest Channel / 3MHz / 16QAM

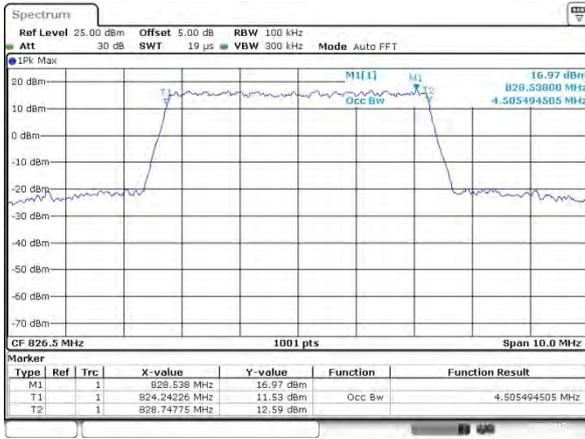


Date: 16 JAN 2015 13:51:49

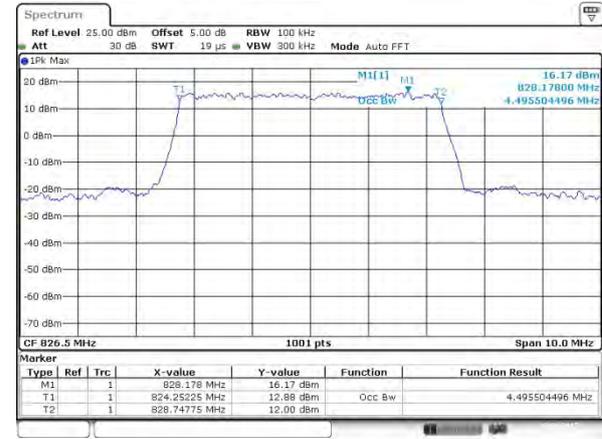


LTE Band 5

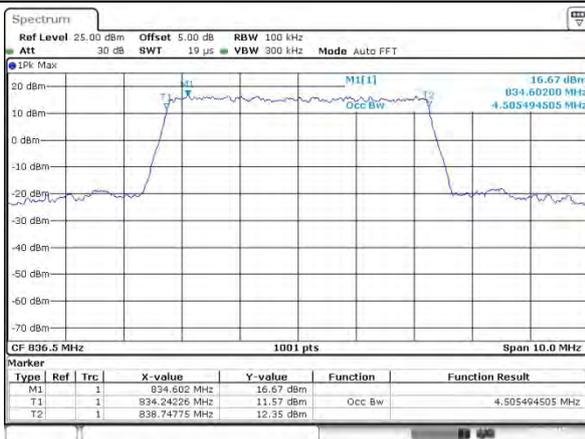
Lowest Channel / 5MHz / QPSK



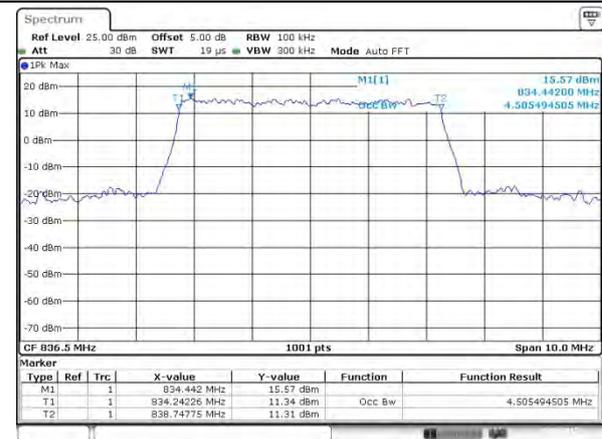
Lowest Channel / 5MHz / 16QAM



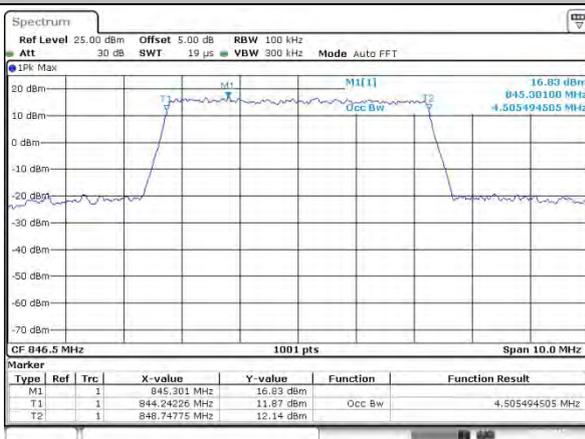
Middle Channel / 5MHz / QPSK



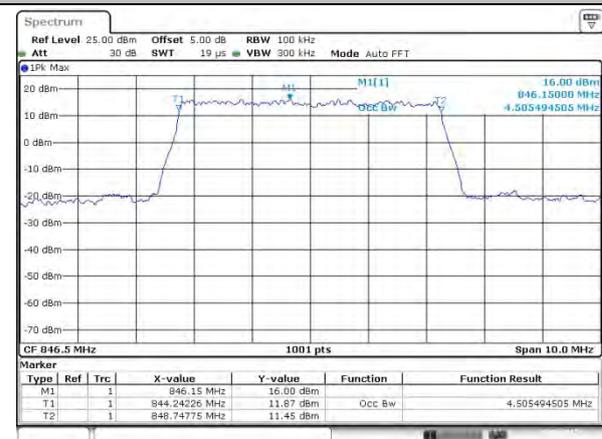
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



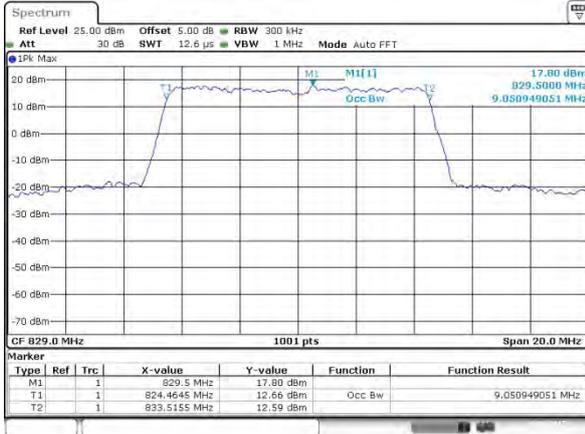
Highest Channel / 5MHz / 16QAM





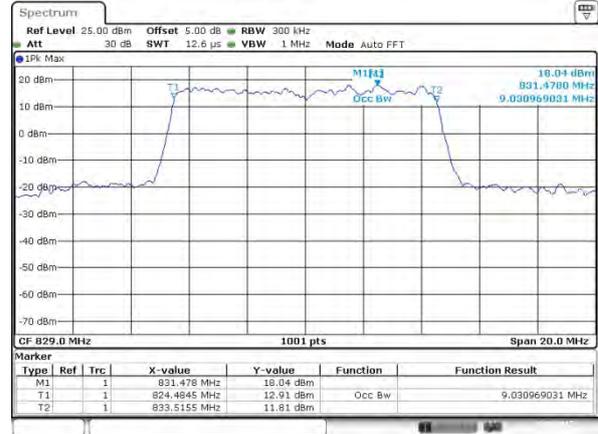
LTE Band 5

Lowest Channel / 10MHz / QPSK



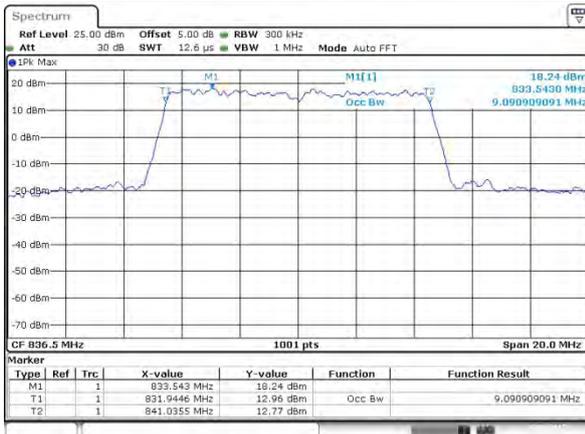
Date: 16 JAN 2015 14:04:57

Lowest Channel / 10MHz / 16QAM



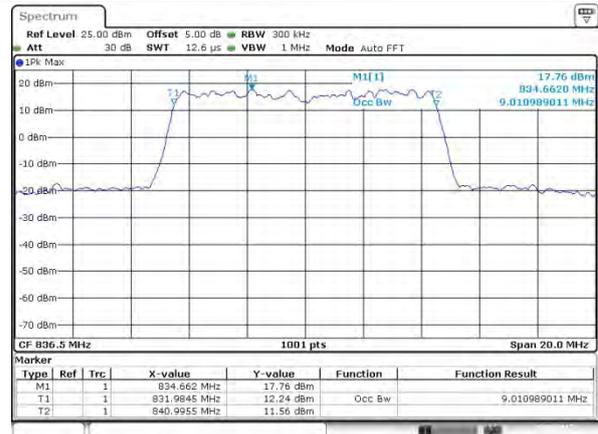
Date: 16 JAN 2015 14:05:07

Middle Channel / 10MHz / QPSK



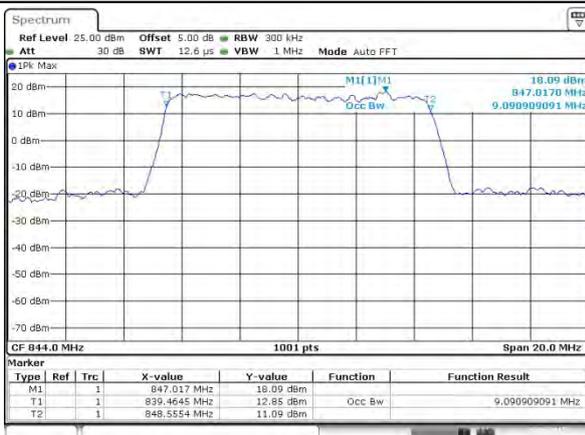
Date: 16 JAN 2015 14:08:16

Middle Channel / 10MHz / 16QAM



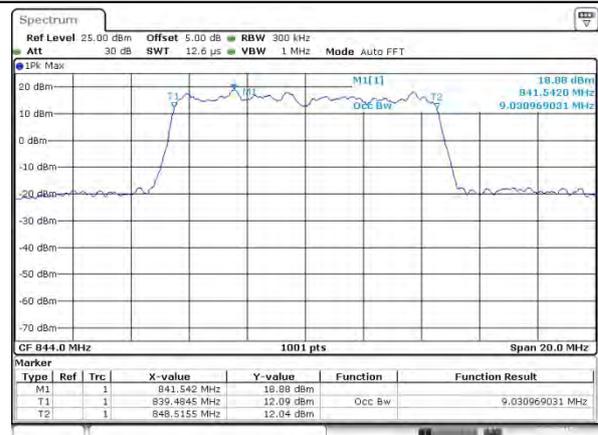
Date: 16 JAN 2015 14:08:26

Highest Channel / 10MHz / QPSK



Date: 16 JAN 2015 14:11:35

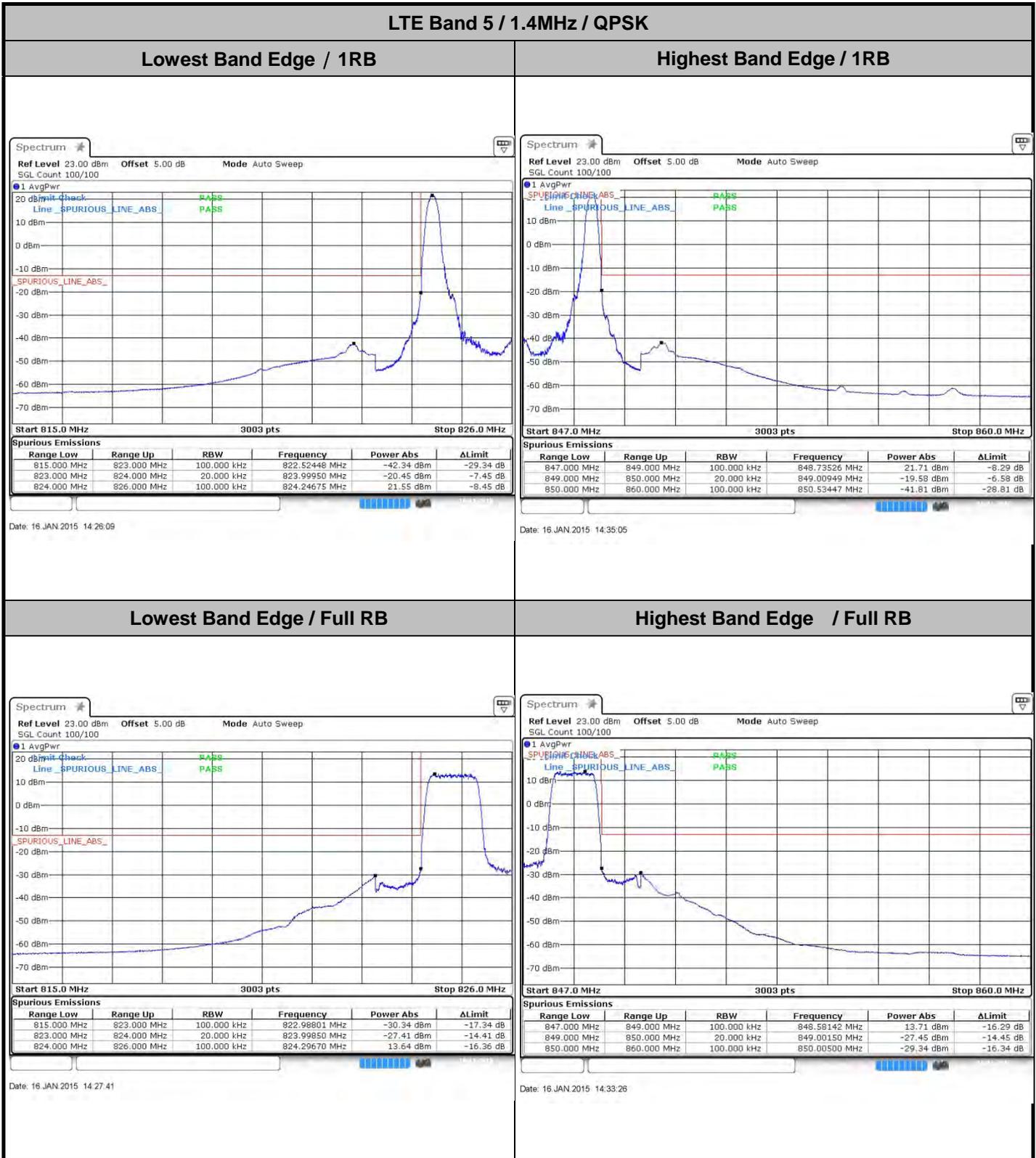
Highest Channel / 10MHz / 16QAM



Date: 16 JAN 2015 14:11:45



# Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:24:40



Date: 16 JAN 2015 14:36:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:29:26



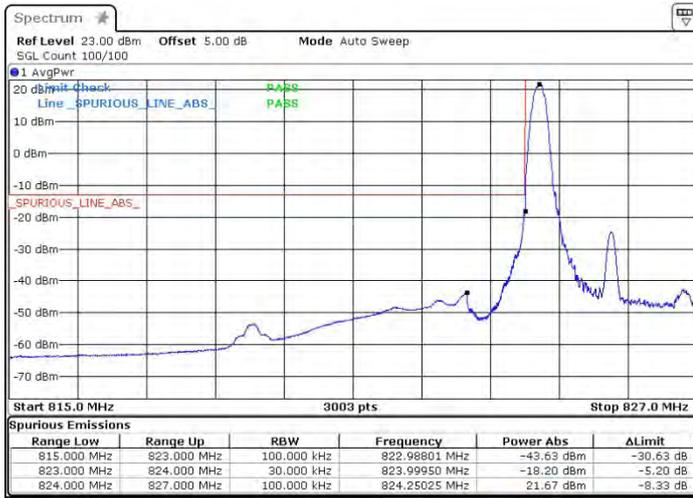
Date: 16 JAN 2015 14:31:03



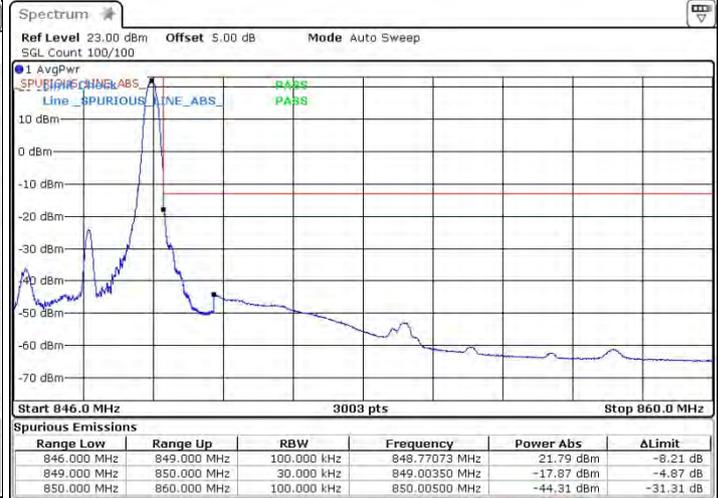
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



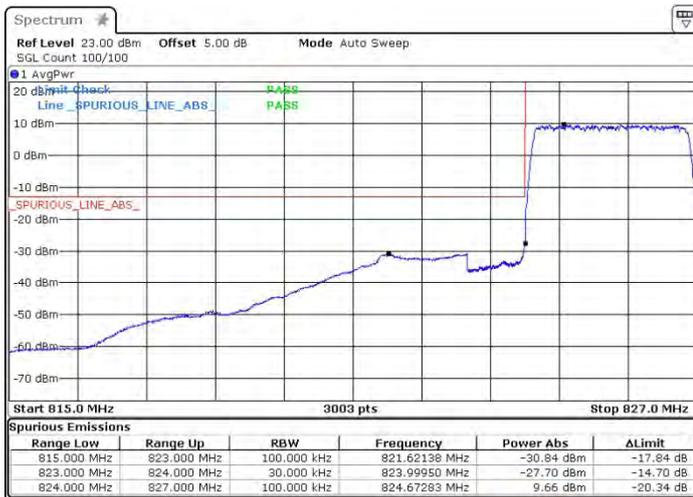
Date: 16 JAN 2015 14:39:39



Date: 16 JAN 2015 14:45:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:40:40



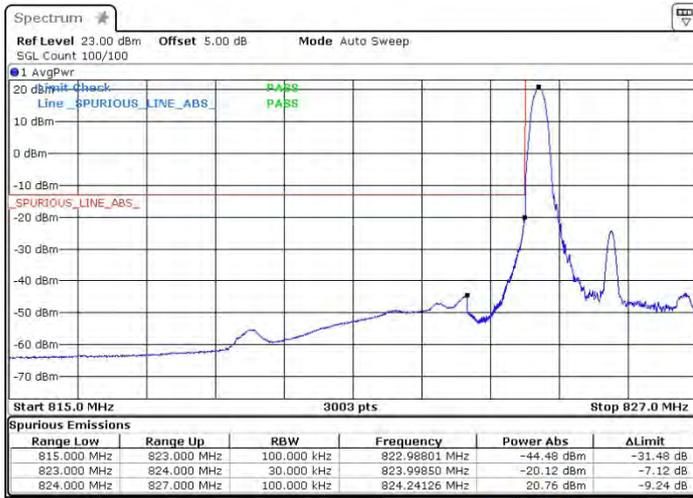
Date: 16 JAN 2015 14:44:33



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:38:31



Date: 16 JAN 2015 14:48:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:42:23



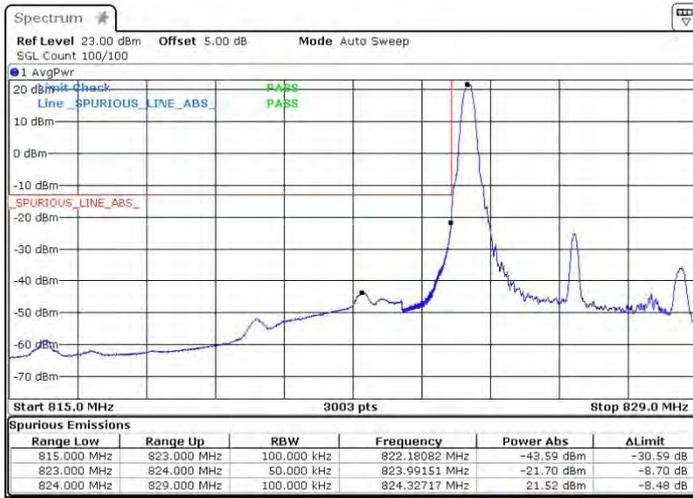
Date: 16 JAN 2015 14:43:29



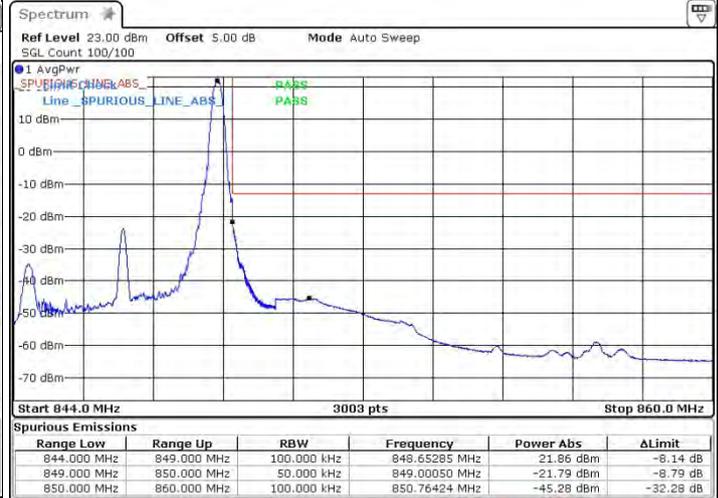
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:50:54



Date: 16 JAN 2015 14:54:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:51:42



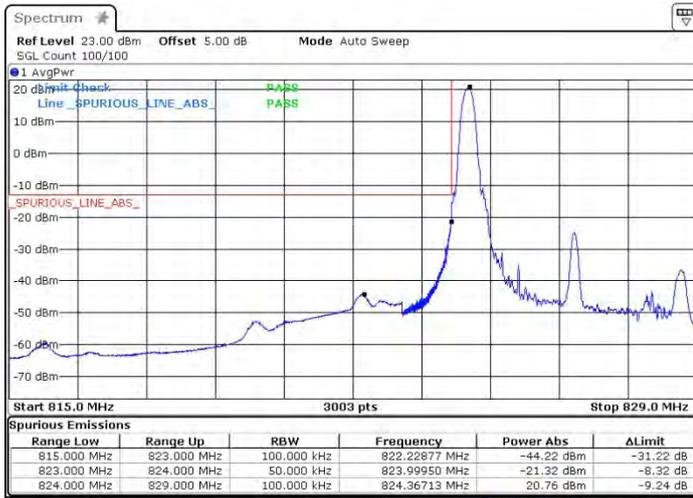
Date: 16 JAN 2015 14:54:03



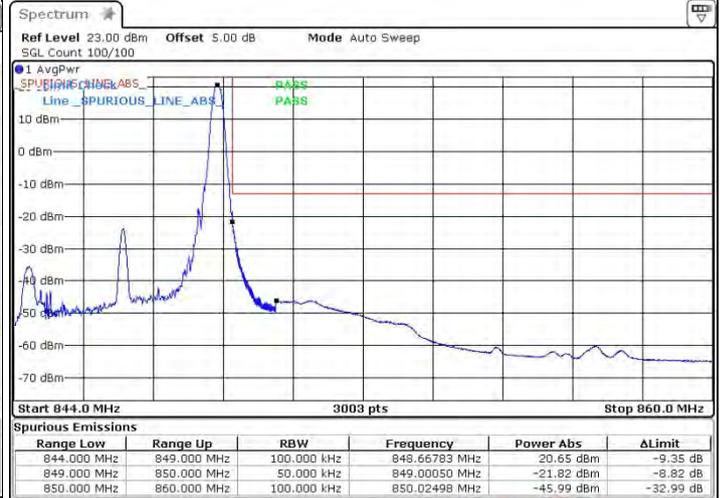
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:50:02



Date: 16 JAN 2015 14:55:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:52:25



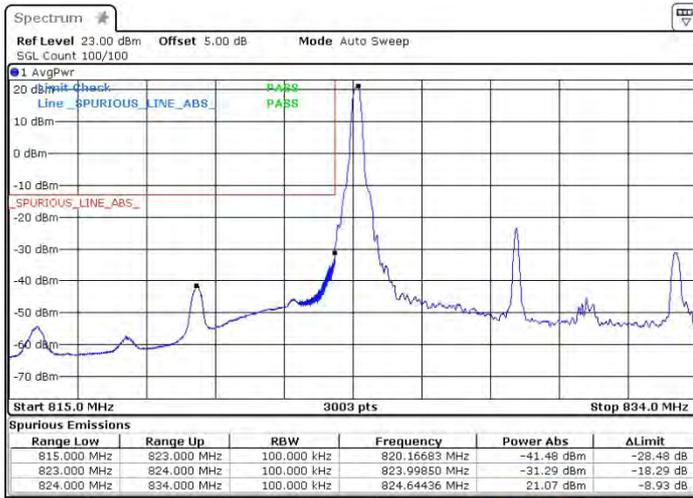
Date: 16 JAN 2015 14:53:14



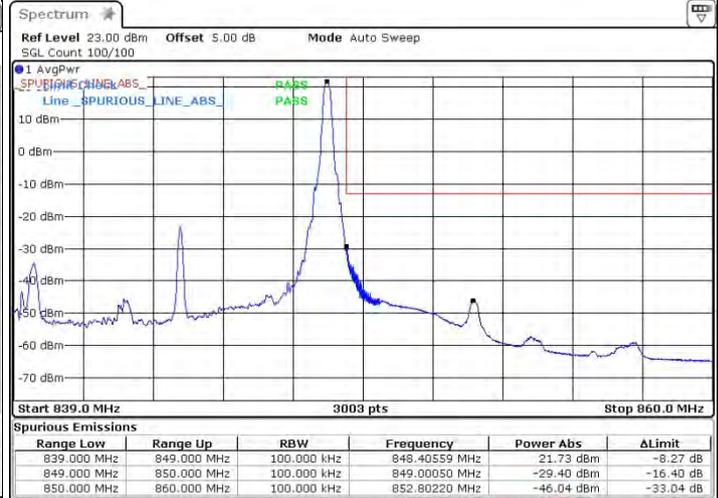
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:57:00



Date: 16 JAN 2015 15:00:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2015 14:57:49



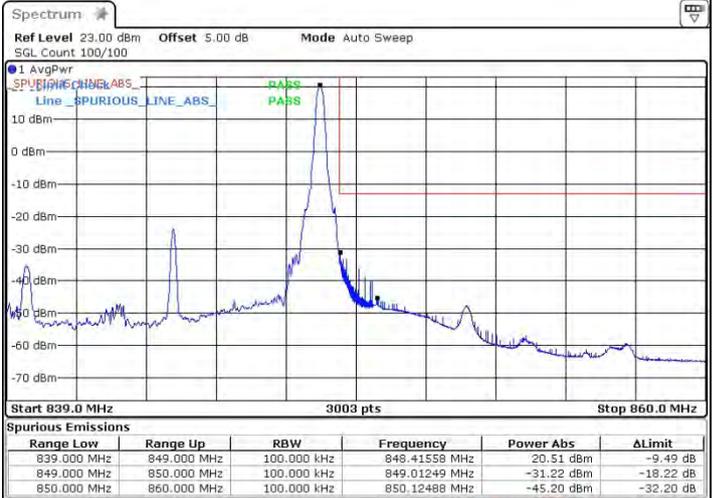
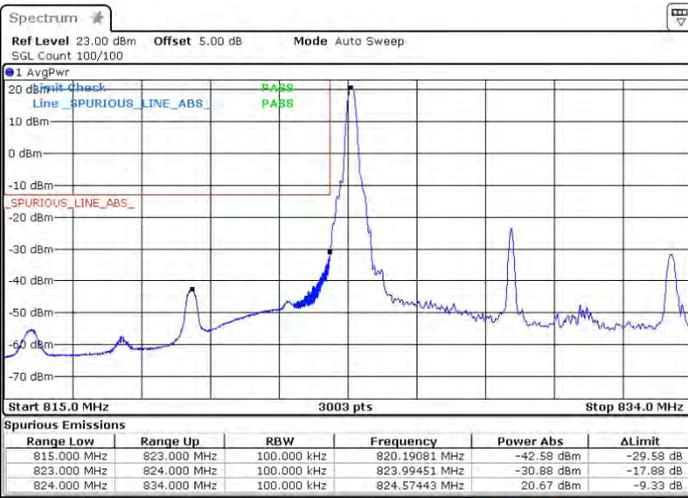
Date: 16 JAN 2015 14:59:55



LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 JAN 2015 14:56:18

Date: 16 JAN 2015 15:01:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

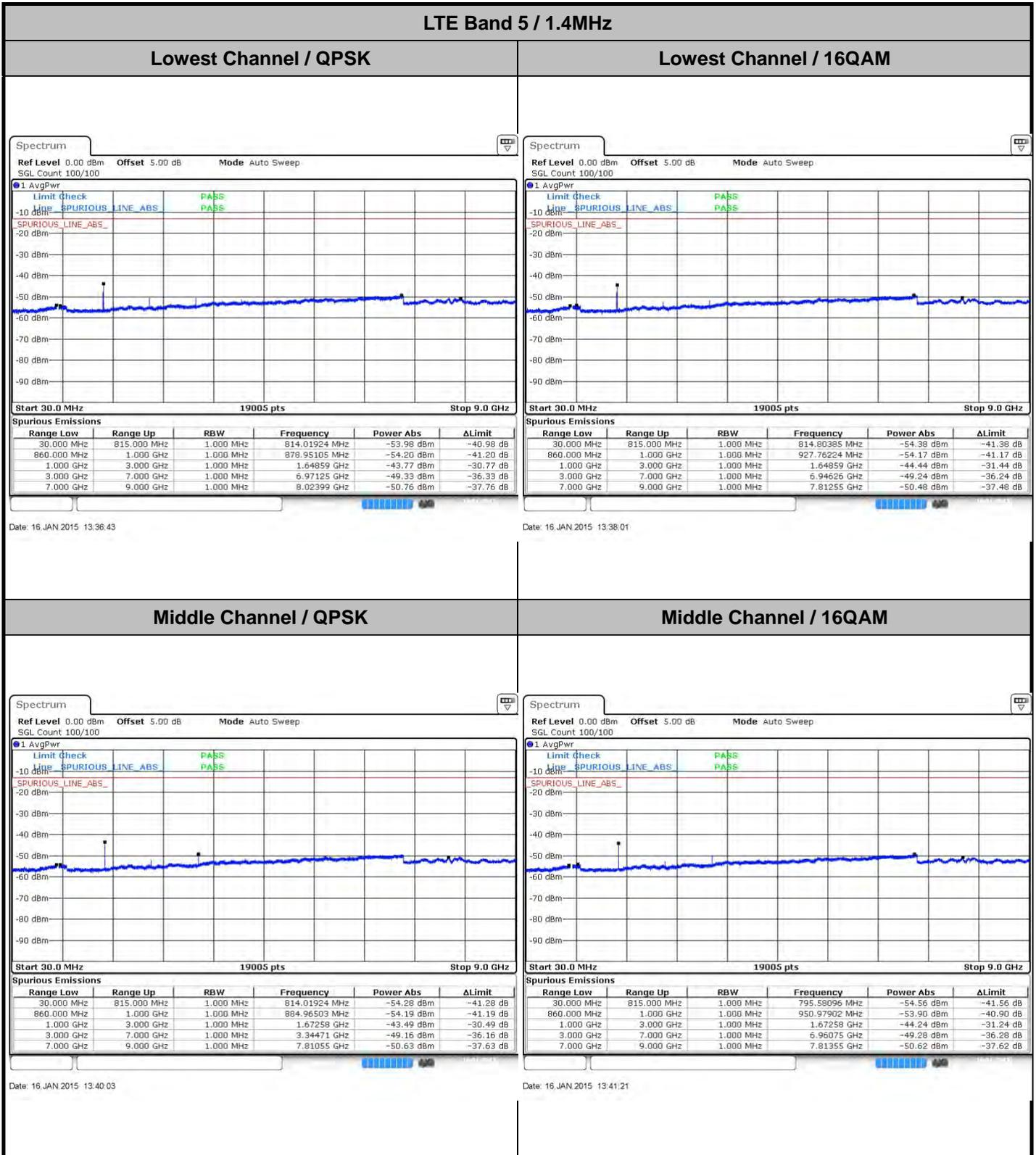


Date: 16 JAN 2015 14:58:27

Date: 16 JAN 2015 14:59:10



# Conducted Spurious Emission

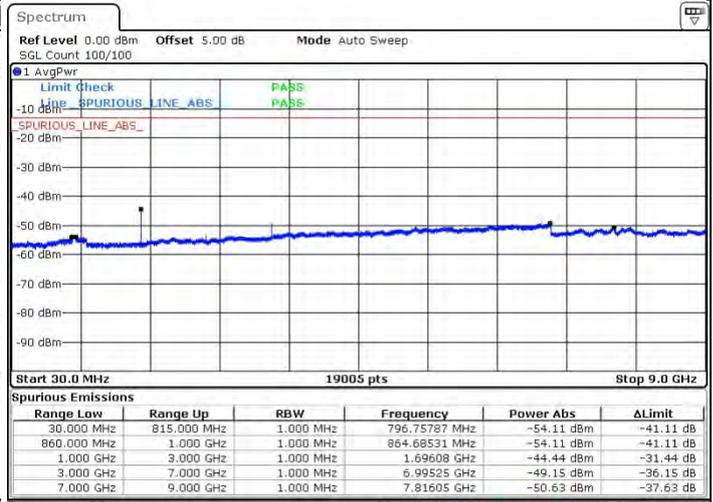
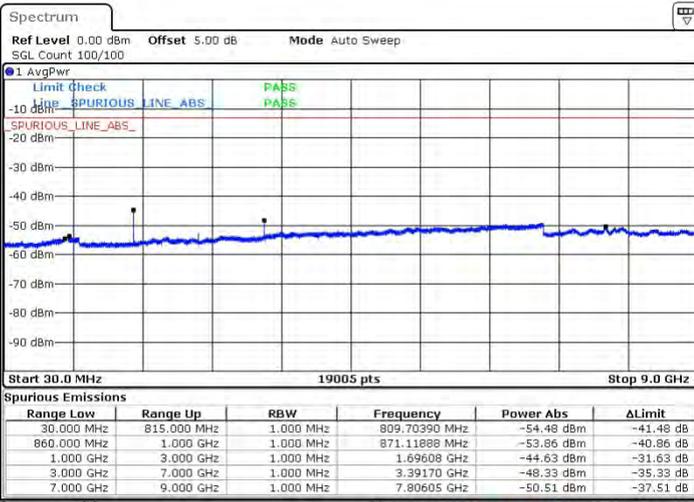




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



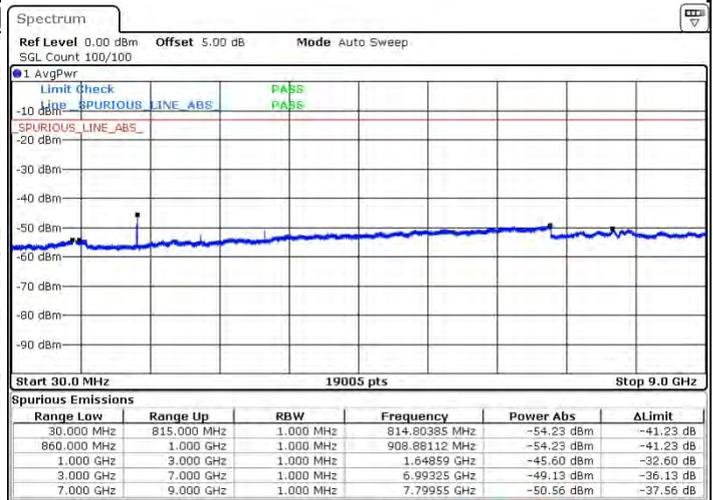
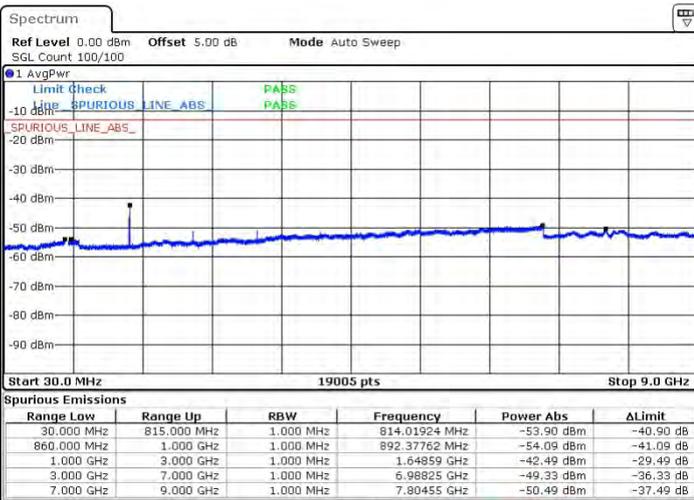
Date: 16 JAN 2015 13:43:22

Date: 16 JAN 2015 13:44:40

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16 JAN 2015 13:46:42

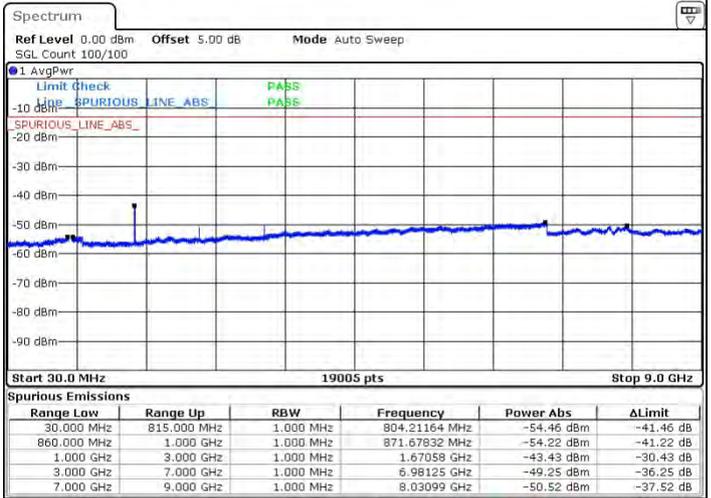
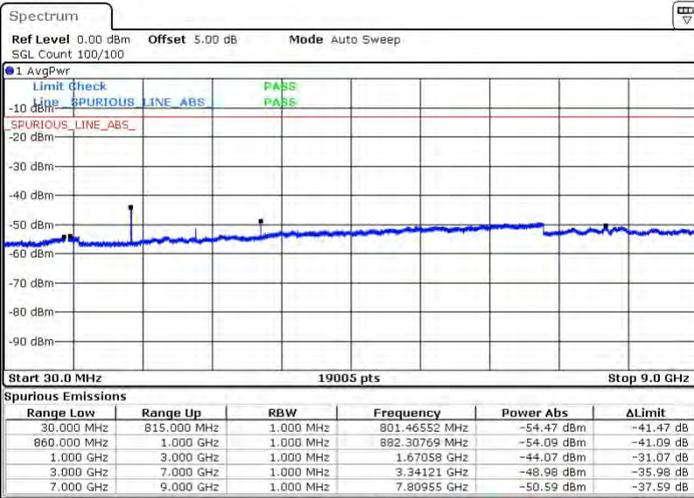
Date: 16 JAN 2015 13:48:00



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

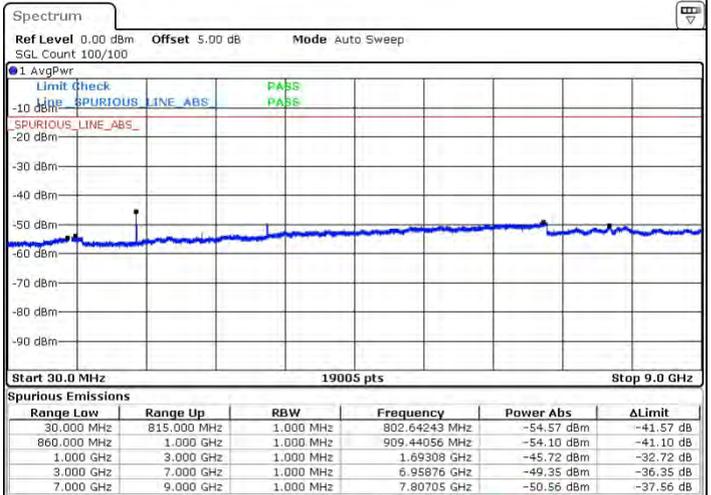
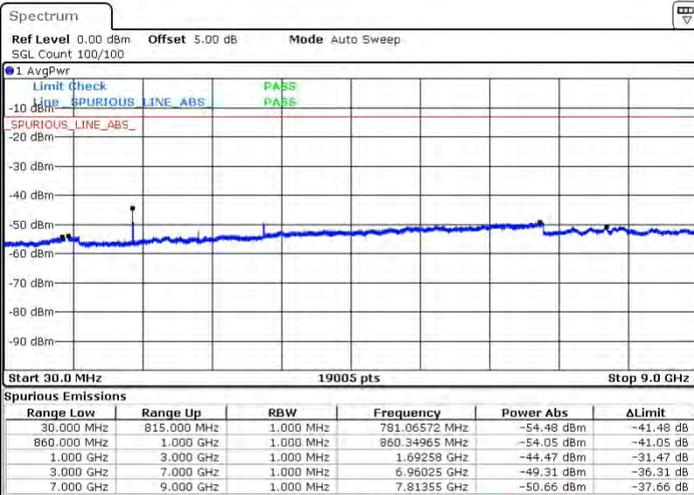


Date: 16 JAN 2015 13:50:01

Date: 16 JAN 2015 13:51:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16 JAN 2015 13:53:21

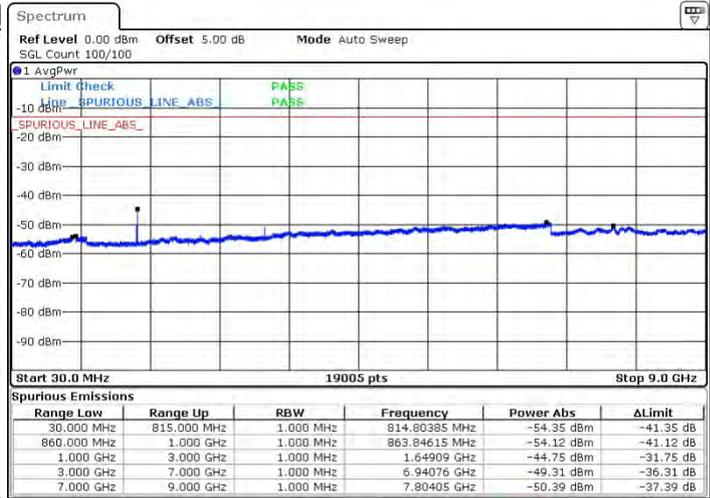
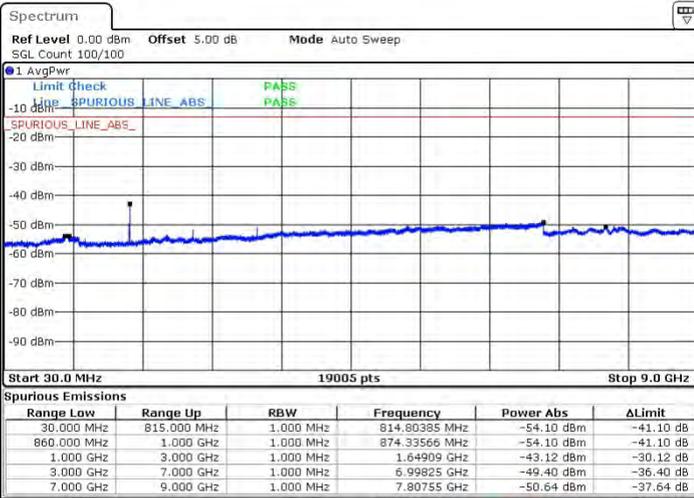
Date: 16 JAN 2015 13:54:38



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

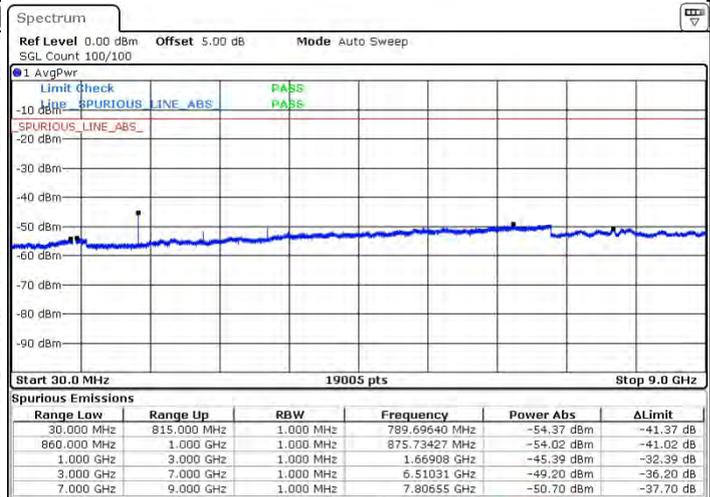
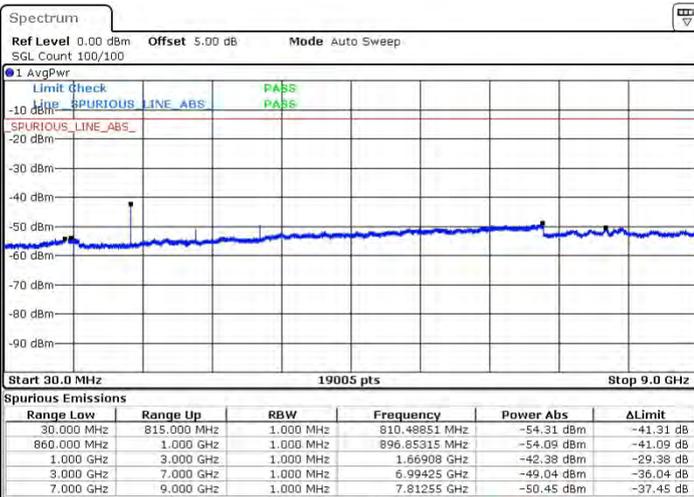


Date: 16 JAN 2015 13:56:40

Date: 16 JAN 2015 13:57:58

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 16 JAN 2015 13:59:59

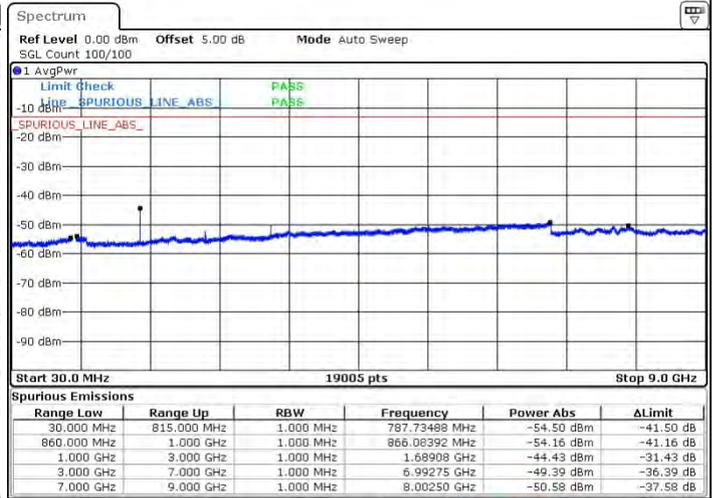
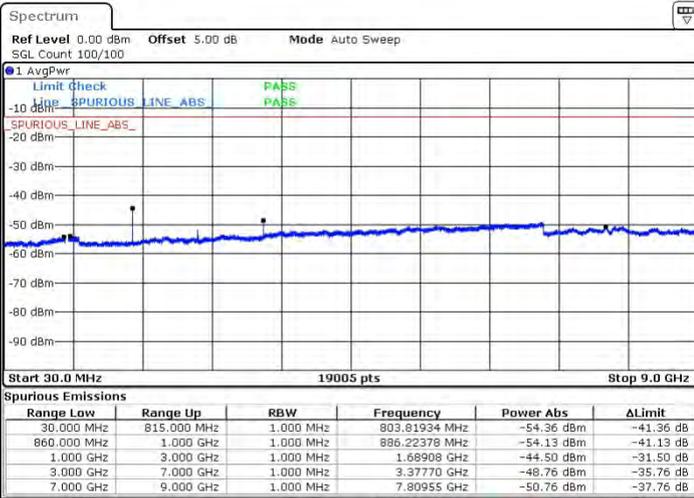
Date: 16 JAN 2015 14:01:17



LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



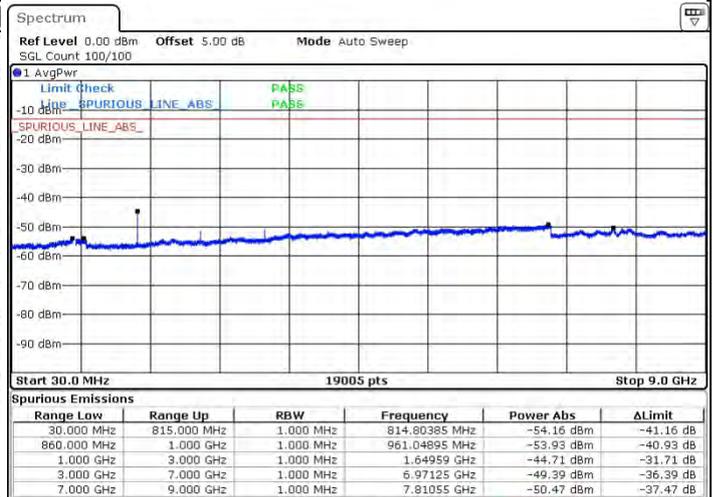
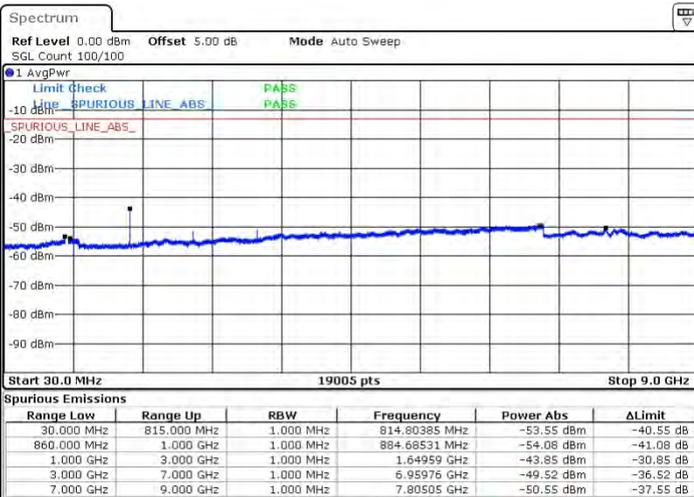
Date: 16 JAN 2015 14:03:19

Date: 16 JAN 2015 14:04:37

LTE Band 5 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16 JAN 2015 14:06:38

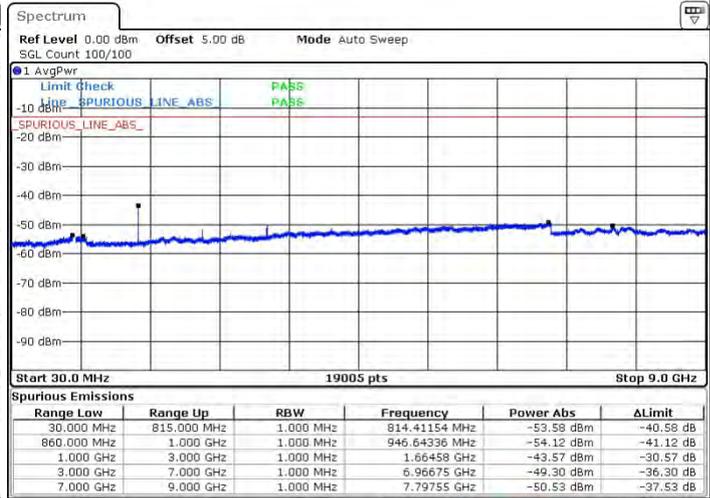
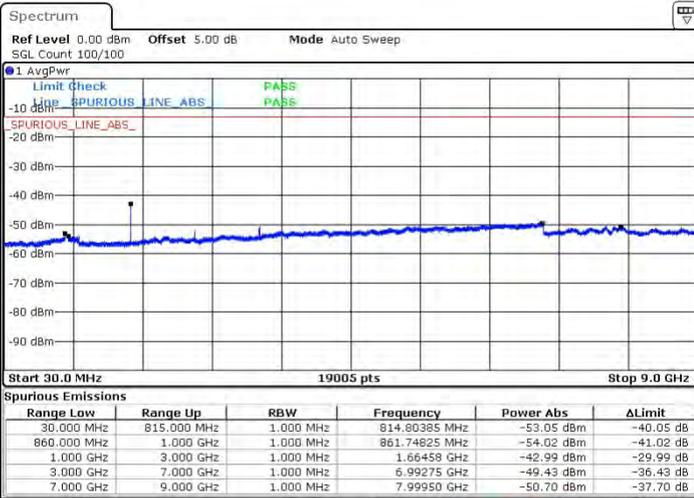
Date: 16 JAN 2015 14:07:56



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

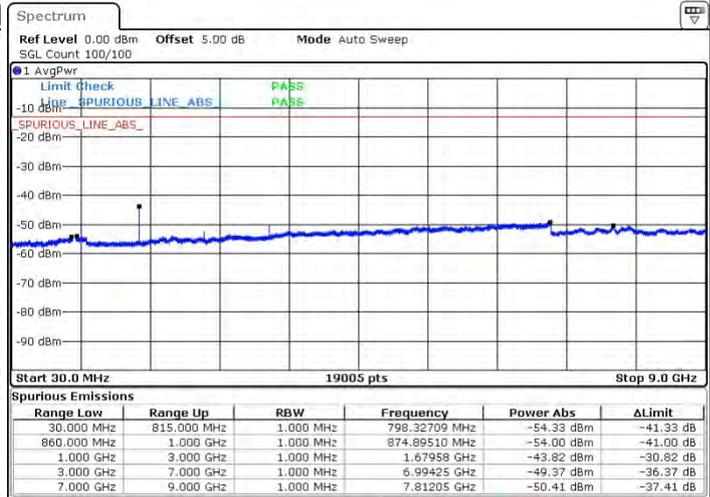
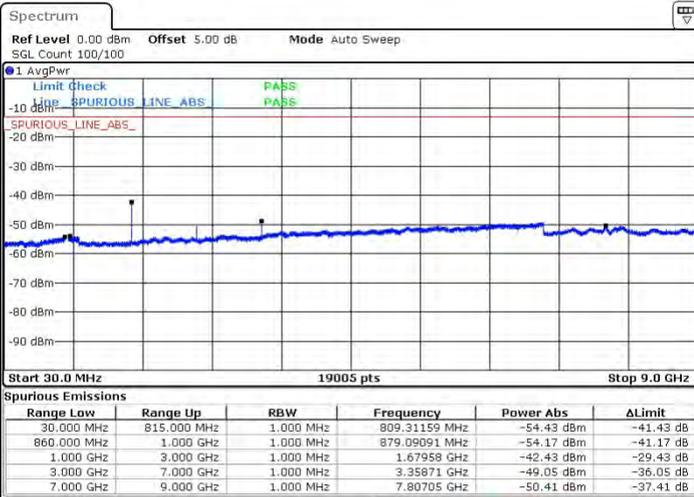


Date: 16 JAN 2015 14:09:58

Date: 16 JAN 2015 14:11:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16 JAN 2015 14:13:17

Date: 16 JAN 2015 14:14:35



**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    | 0.0013                             | PASS   |
| 40               | Normal Voltage    | 0.0057                             |        |
| 30               | Normal Voltage    | 0.0039                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0134                             |        |
| 0                | Normal Voltage    | 0.0204                             |        |
| -10              | Normal Voltage    | 0.0006                             |        |
| -20              | Normal Voltage    | 0.0043                             |        |
| -30              | Normal Voltage    | 0.0012                             |        |
| 20               | Maximum Voltage   | 0.0169                             |        |
| 20               | Normal Voltage    | 0.0063                             |        |
| 20               | Battery End Point | 0.0084                             |        |

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) = 3.5 V ; Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## LTE Band 17

### Peak-to-Average Ratio

| Mode       | LTE Band 17 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.16                | 4.29    | 4.12  | 5.30    | PASS        |
| Middle CH  | 3.71                | 4.35    | 4.58  | 5.28    |             |
| Highest CH | 3.91                | 4.38    | 4.43  | 5.22    |             |



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 15.JAN.2015 21:28:04

Lowest Channel / Full RB



Date: 15.JAN.2015 21:28:33

Middle Channel / 1RB



Date: 15.JAN.2015 21:28:46

Middle Channel / Full RB



Date: 15.JAN.2015 21:28:33

Highest Channel / 1RB



Date: 15.JAN.2015 21:30:54

Highest Channel / Full RB

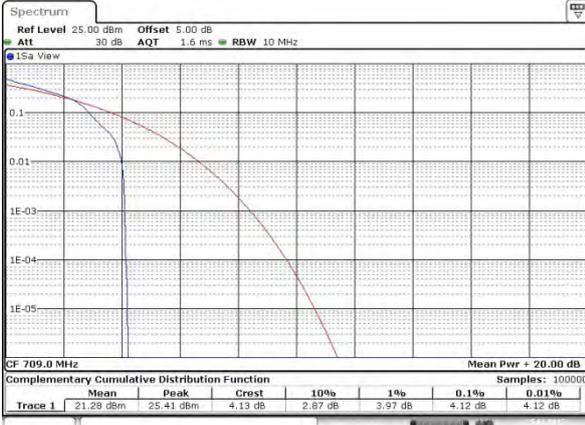


Date: 15.JAN.2015 21:31:04



LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



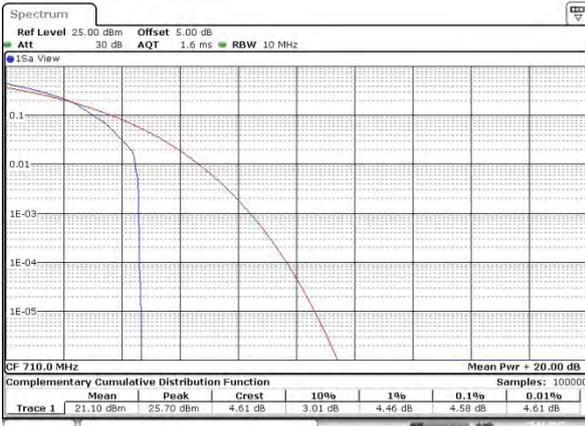
Date: 15.JAN.2015 21:25:18

Lowest Channel / Full RB



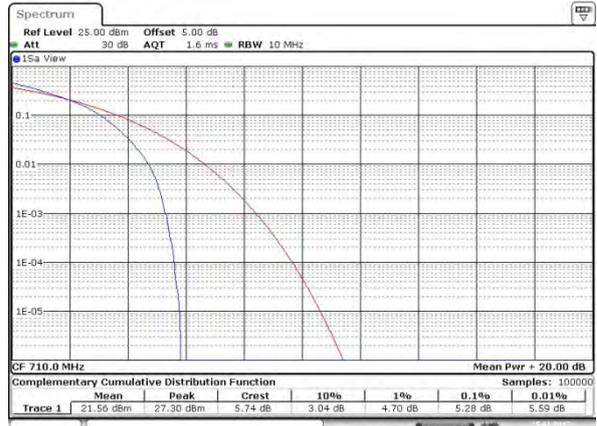
Date: 15.JAN.2015 21:27:28

Middle Channel / 1RB



Date: 15.JAN.2015 21:29:14

Middle Channel / Full RB



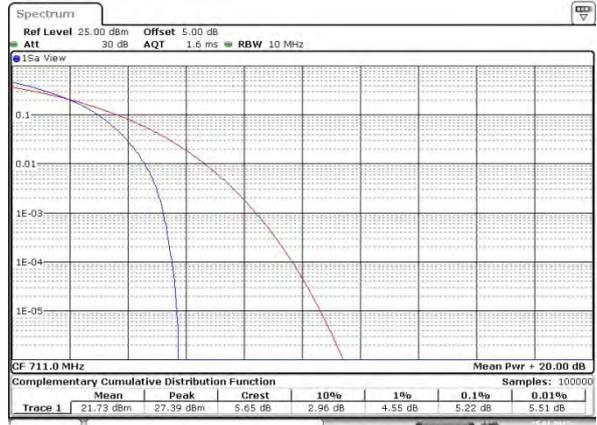
Date: 15.JAN.2015 21:29:24

Highest Channel / 1RB



Date: 15.JAN.2015 21:30:24

Highest Channel / Full RB



Date: 15.JAN.2015 21:30:39



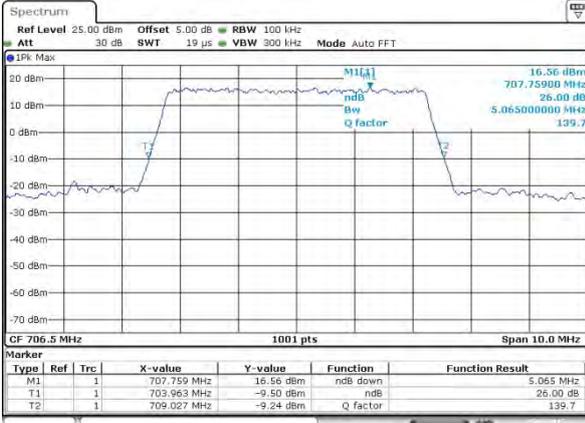
**26dB Bandwidth**

| Mode       | LTE Band 17 : 26dB BW(MHz) |       |       |       |
|------------|----------------------------|-------|-------|-------|
| BW         | 5MHz                       |       | 10MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 5.07                       | 5.06  | 10.15 | 10.01 |
| Middle CH  | 5.07                       | 5.06  | 10.01 | 9.97  |
| Highest CH | 5.06                       | 5.05  | 10.09 | 9.93  |



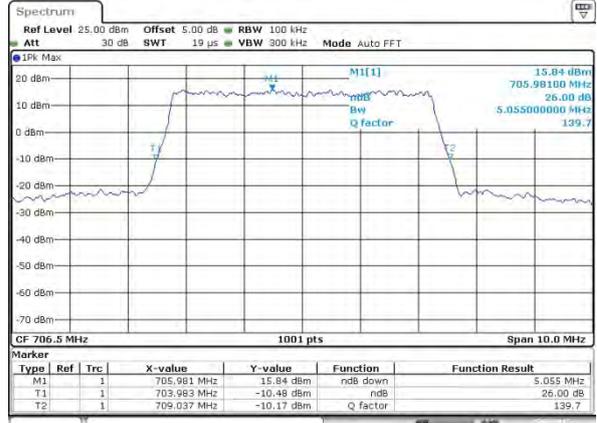
LTE Band 17

Lowest Channel / 5MHz / QPSK



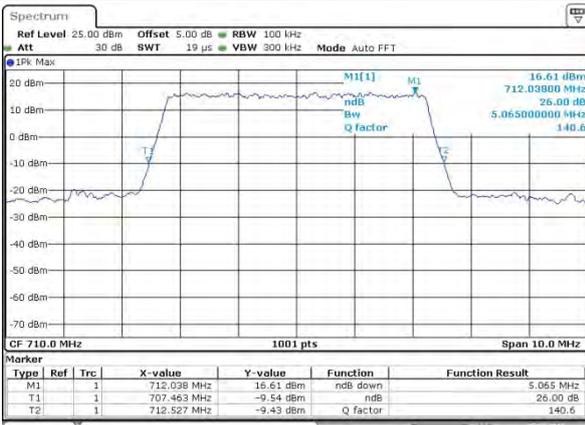
Date: 15 JAN 2015 21:05:39

Lowest Channel / 5MHz / 16QAM



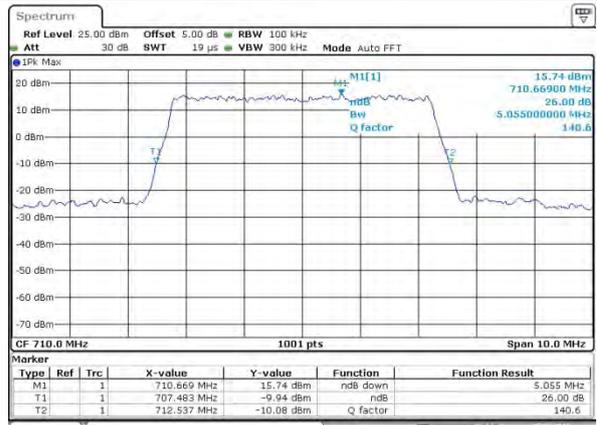
Date: 15 JAN 2015 21:05:50

Middle Channel / 5MHz / QPSK



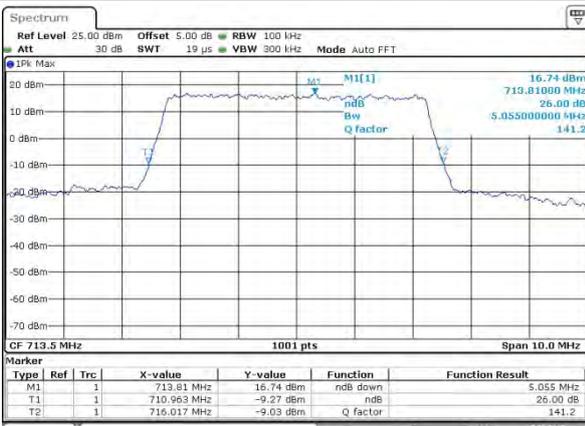
Date: 15 JAN 2015 21:08:58

Middle Channel / 5MHz / 16QAM



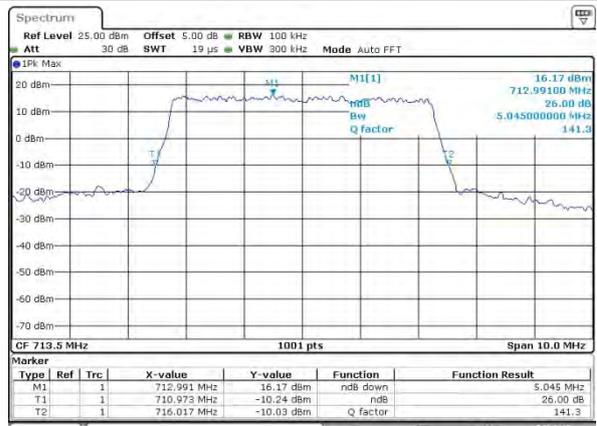
Date: 15 JAN 2015 21:09:10

Highest Channel / 5MHz / QPSK



Date: 15 JAN 2015 21:12:17

Highest Channel / 5MHz / 16QAM

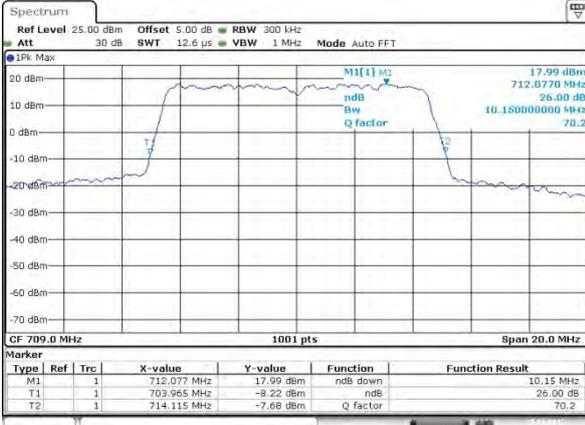


Date: 15 JAN 2015 21:12:29



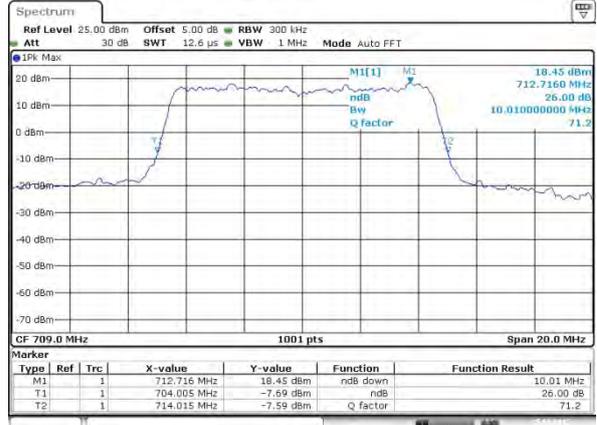
LTE Band 17

Lowest Channel / 10MHz / QPSK



Date: 15 JAN 2015 21:15:39

Lowest Channel / 10MHz / 16QAM



Date: 15 JAN 2015 21:15:50

Middle Channel / 10MHz / QPSK



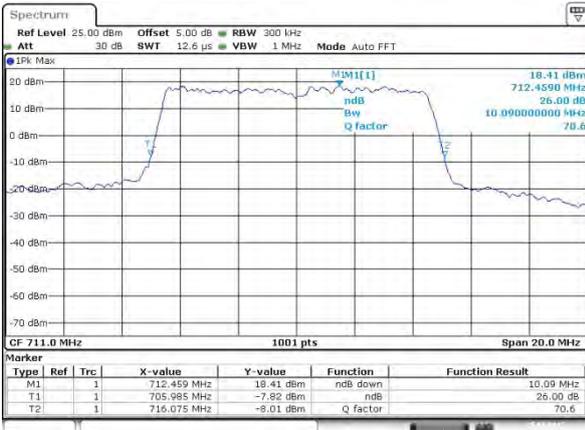
Date: 15 JAN 2015 21:18:58

Middle Channel / 10MHz / 16QAM



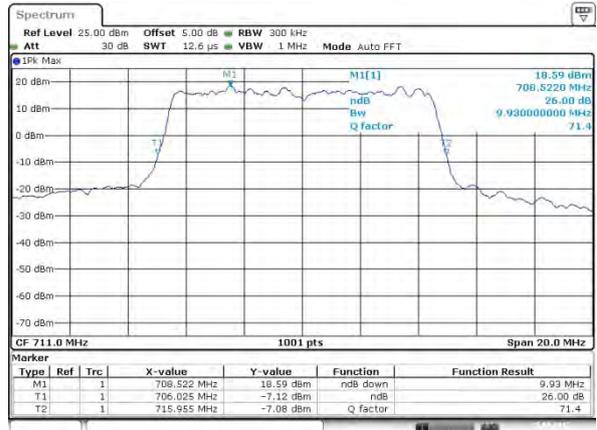
Date: 15 JAN 2015 21:19:10

Highest Channel / 10MHz / QPSK



Date: 15 JAN 2015 21:22:18

Highest Channel / 10MHz / 16QAM



Date: 15 JAN 2015 21:22:29



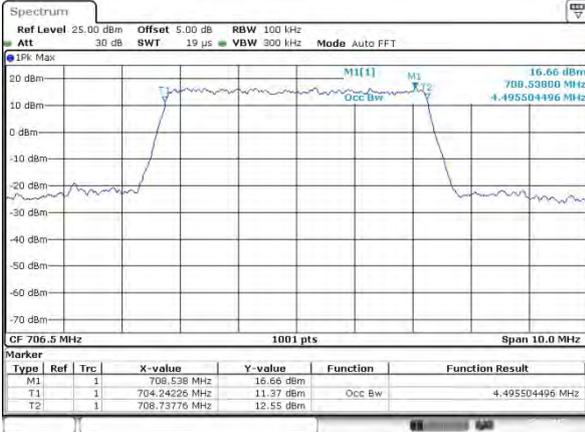
### Occupied Bandwidth

| Mode       | LTE Band 17 : 99%OBW(MHz) |       |       |       |
|------------|---------------------------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 4.50                      | 4.50  | 9.09  | 9.03  |
| Middle CH  | 4.50                      | 4.50  | 9.11  | 9.01  |
| Highest CH | 4.50                      | 4.50  | 9.03  | 9.05  |



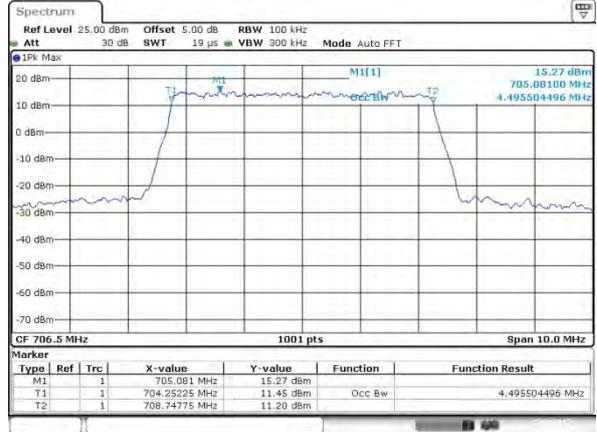
LTE Band 17

Lowest Channel / 5MHz / QPSK



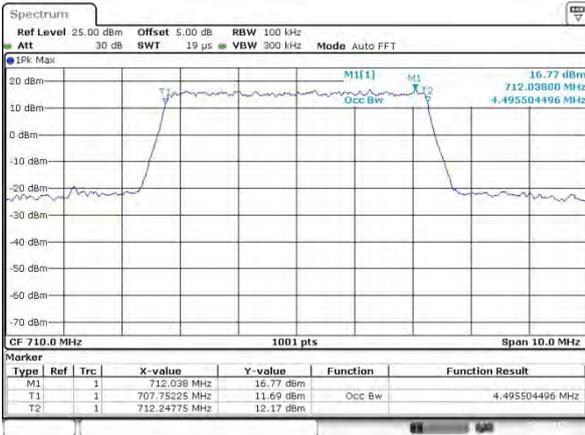
Date: 15 JAN 2015 21:05:17

Lowest Channel / 5MHz / 16QAM



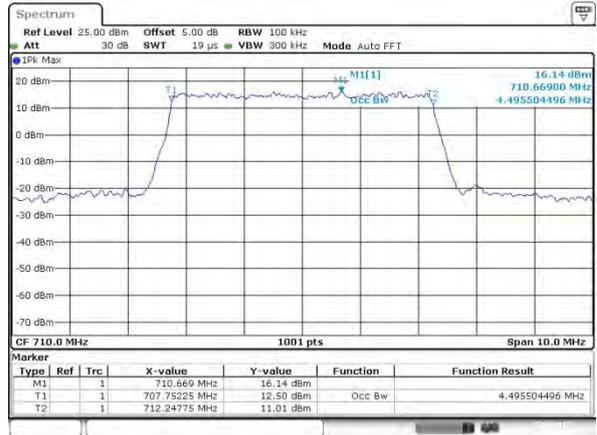
Date: 15 JAN 2015 21:05:27

Middle Channel / 5MHz / QPSK



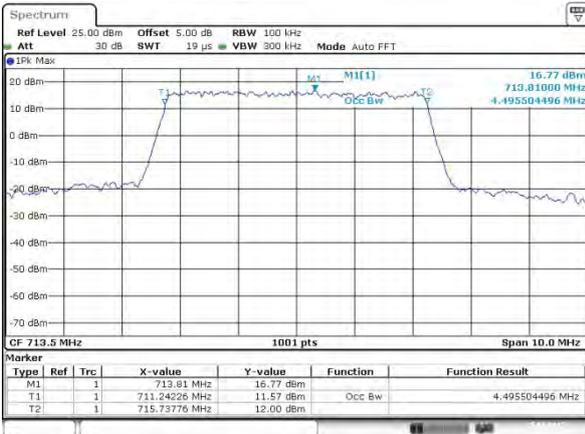
Date: 15 JAN 2015 21:08:36

Middle Channel / 5MHz / 16QAM



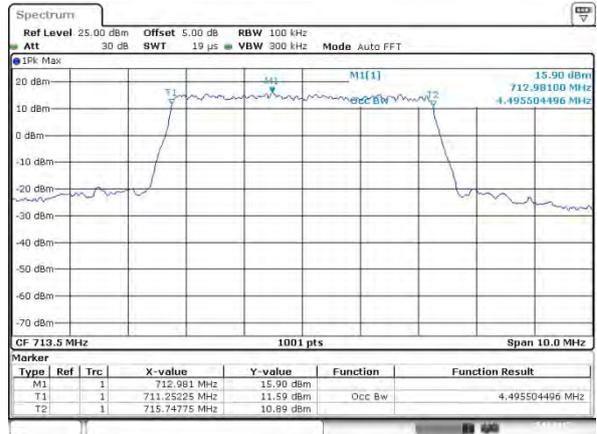
Date: 15 JAN 2015 21:08:46

Highest Channel / 5MHz / QPSK



Date: 15 JAN 2015 21:11:55

Highest Channel / 5MHz / 16QAM

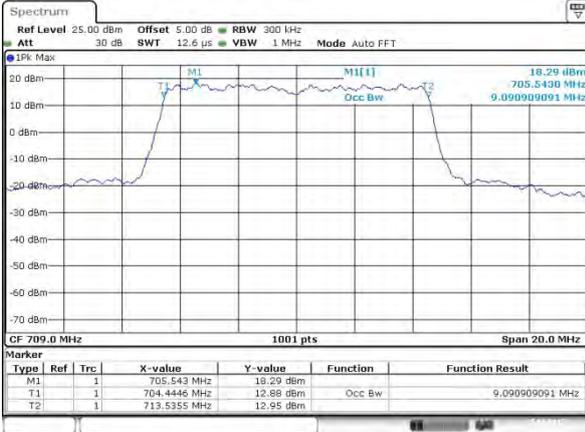


Date: 15 JAN 2015 21:12:05



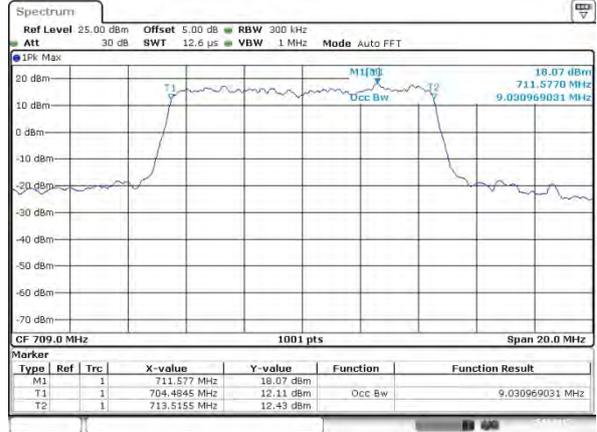
LTE Band 17

Lowest Channel / 10MHz / QPSK



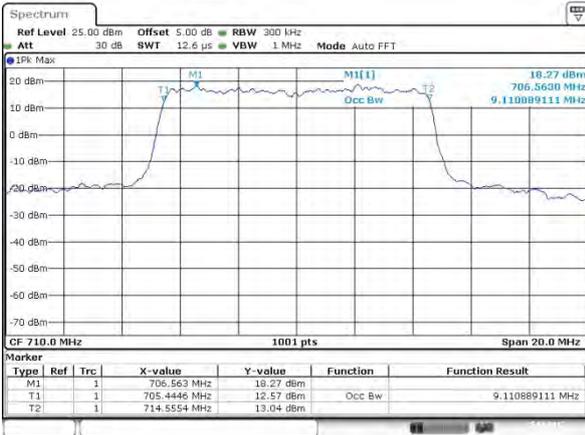
Date: 15.JAN.2015 21:15:17

Lowest Channel / 10MHz / 16QAM



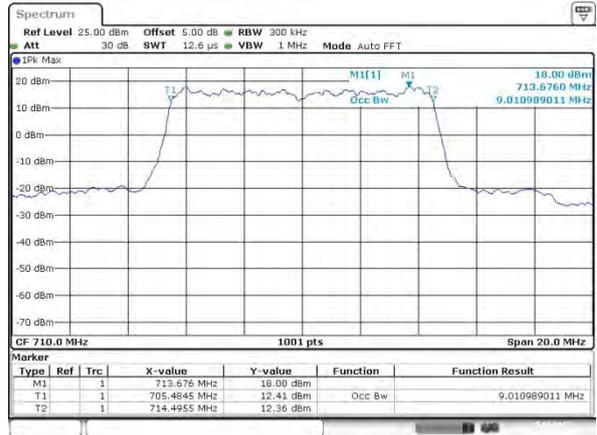
Date: 15.JAN.2015 21:15:27

Middle Channel / 10MHz / QPSK



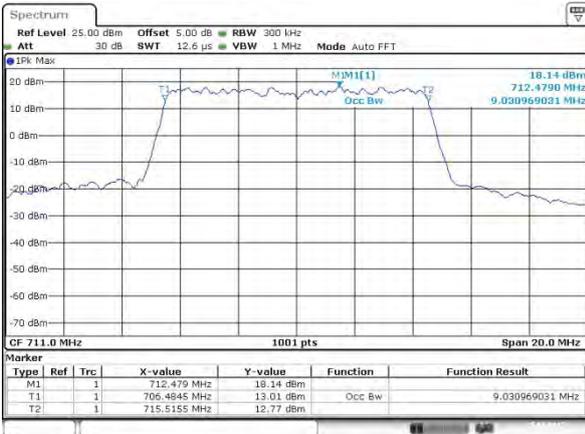
Date: 15.JAN.2015 21:18:36

Middle Channel / 10MHz / 16QAM



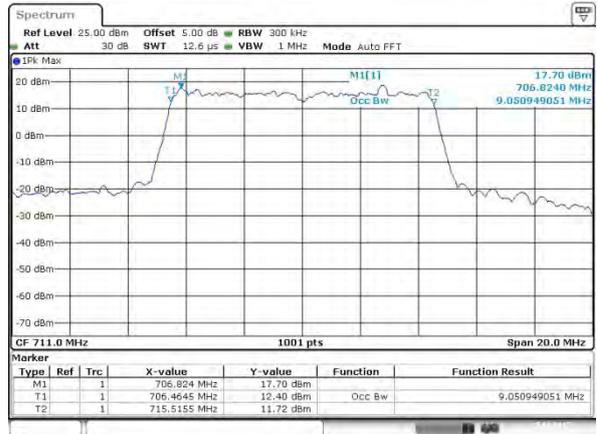
Date: 15.JAN.2015 21:18:46

Highest Channel / 10MHz / QPSK



Date: 15.JAN.2015 21:21:56

Highest Channel / 10MHz / 16QAM



Date: 15.JAN.2015 21:22:06



# Conducted Band Edge

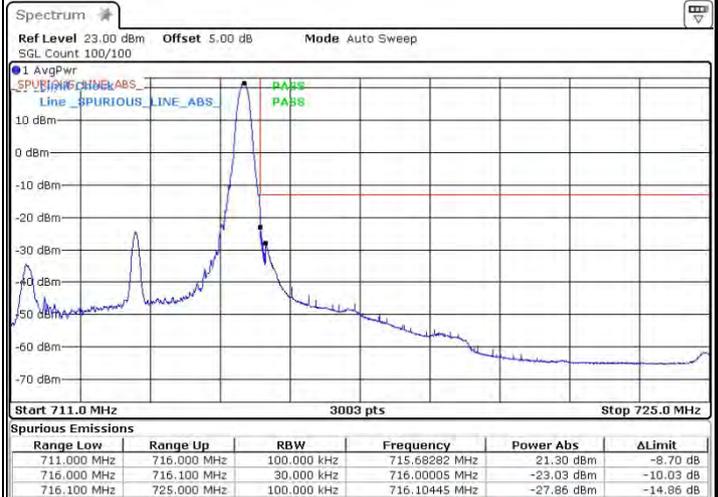
## LTE Band 17 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



Date: 15 JAN 2015 21:52:36

### Highest Band Edge / 1 RB



Date: 15 JAN 2015 21:56:43

### Lowest Band Edge / Full RB



Date: 15 JAN 2015 21:54:32

### Highest Band Edge / Full RB

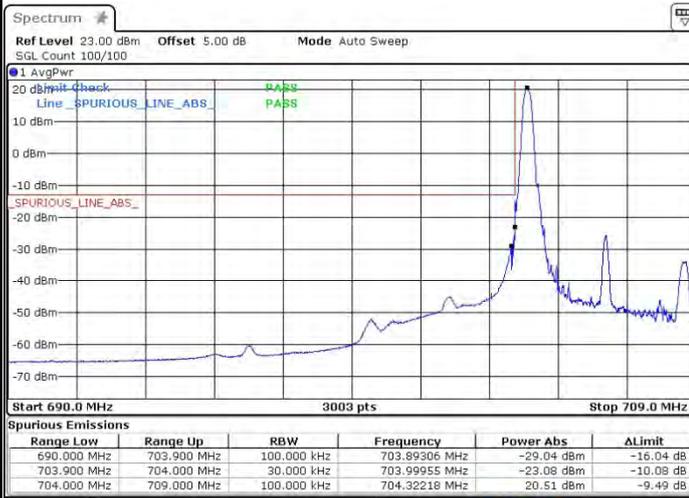


Date: 15 JAN 2015 21:58:43



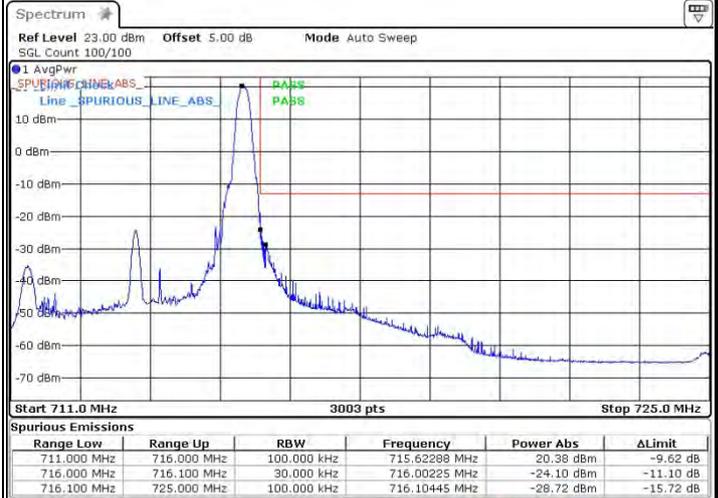
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 15 JAN 2015 21:53:29

Highest Band Edge / 1 RB



Date: 15 JAN 2015 21:58:00

Lowest Band Edge / Full RB



Date: 15 JAN 2015 21:56:30

Highest Band Edge / Full RB

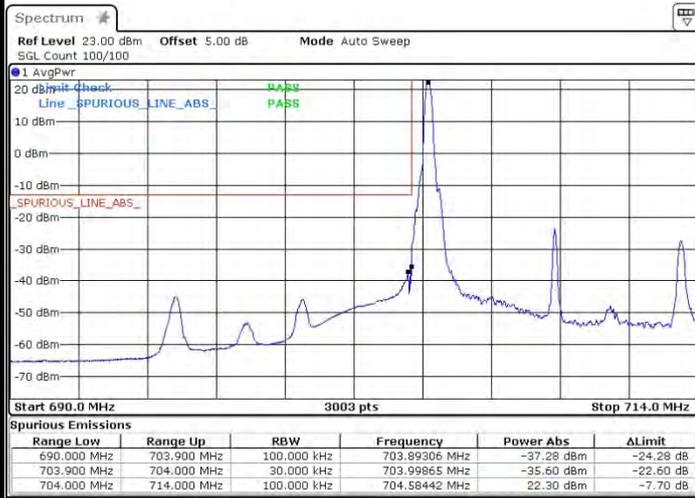


Date: 15 JAN 2015 21:59:21



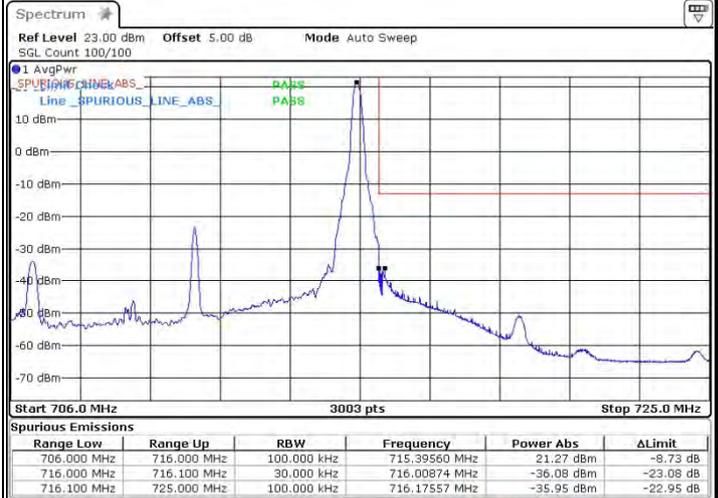
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 15 JAN 2015 21:44:42

Highest Band Edge / 1 RB



Date: 15 JAN 2015 21:48:46

Lowest Band Edge / Full RB



Date: 15 JAN 2015 21:46:33

Highest Band Edge / Full RB

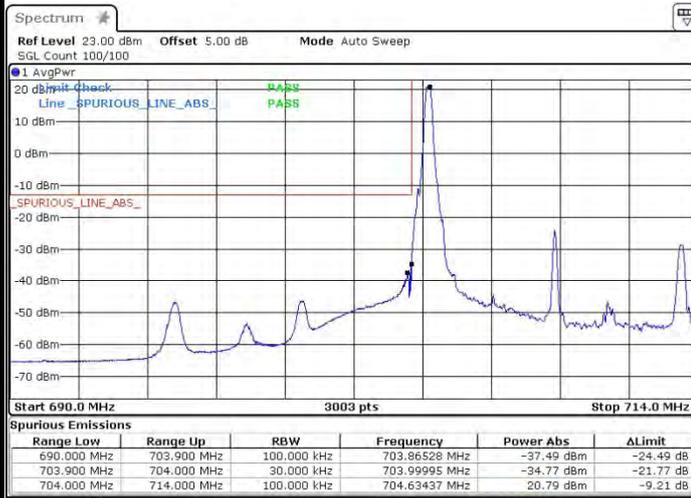


Date: 15 JAN 2015 21:50:18



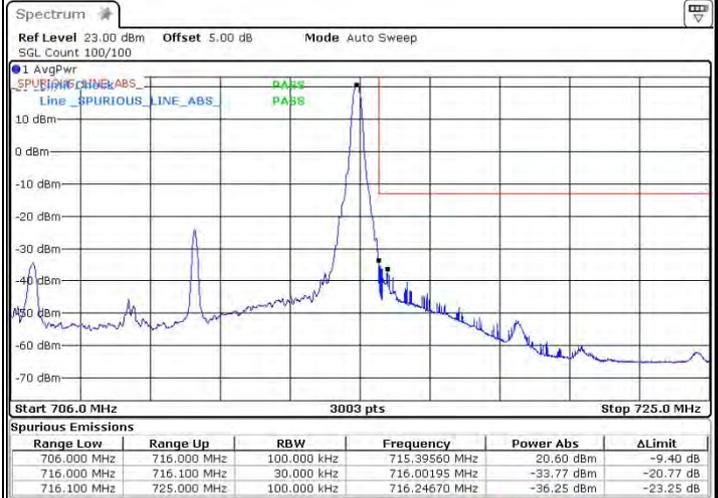
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 15 JAN 2015 21:45:33

Highest Band Edge / 1 RB



Date: 15 JAN 2015 21:49:32

Lowest Band Edge / Full RB



Date: 15 JAN 2015 21:47:50

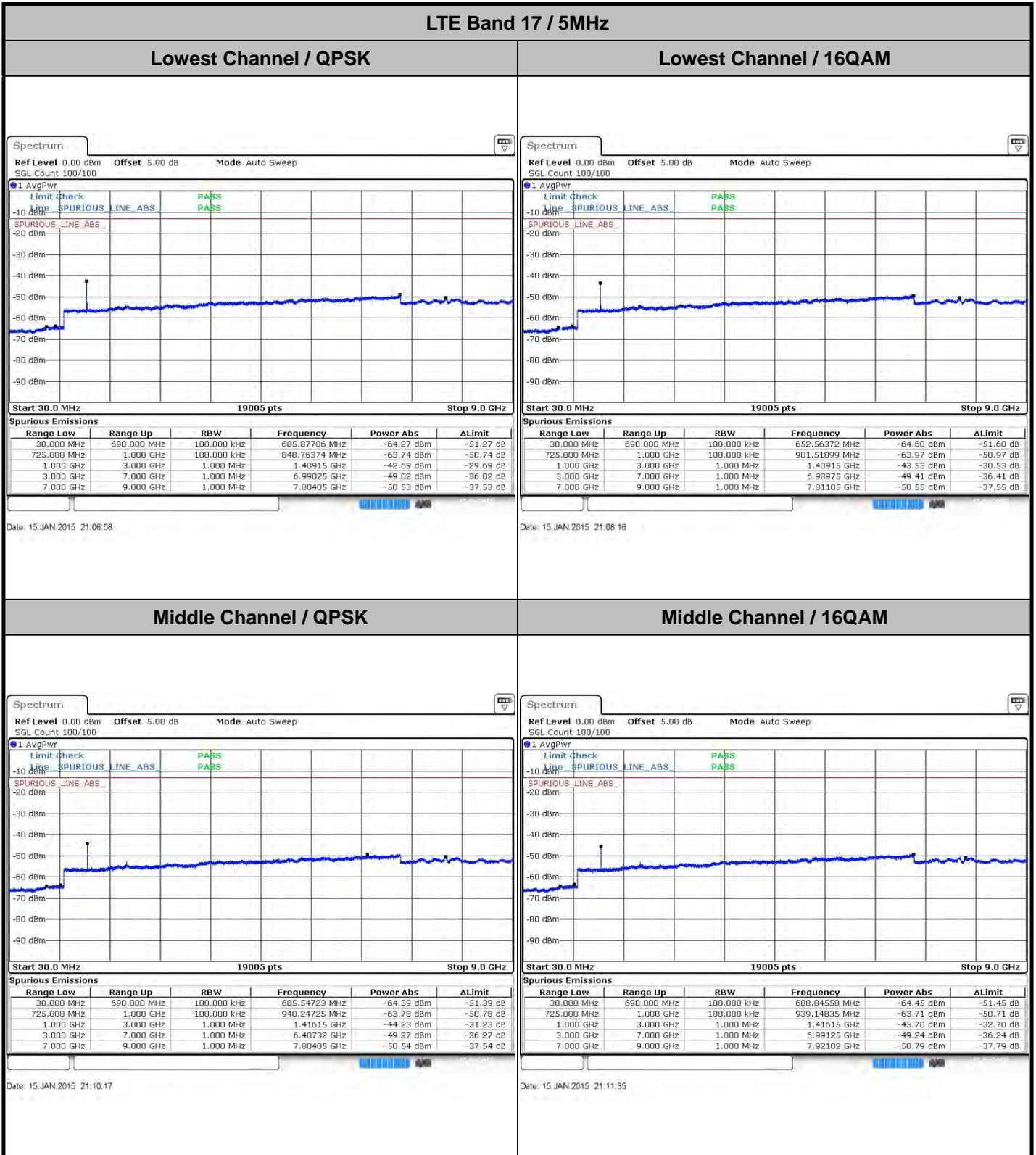
Highest Band Edge / Full RB



Date: 15 JAN 2015 21:50:59



# Conducted Spurious Emission

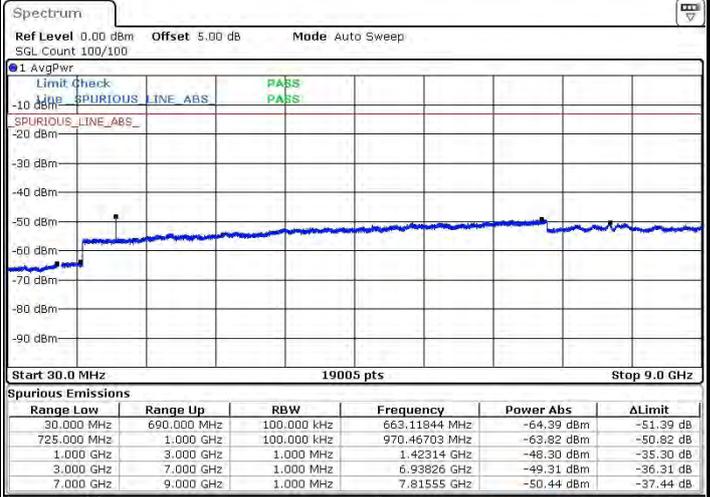
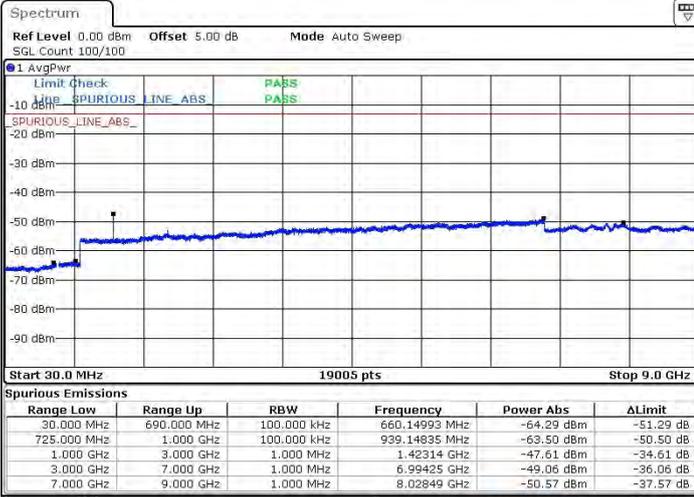




LTE Band 17 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



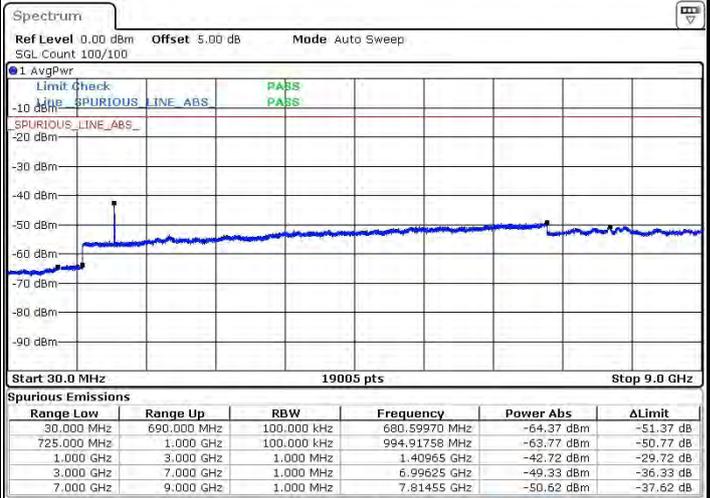
Date: 15.JAN.2015 21:13:37

Date: 15.JAN.2015 21:14:57

LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 15.JAN.2015 21:16:58

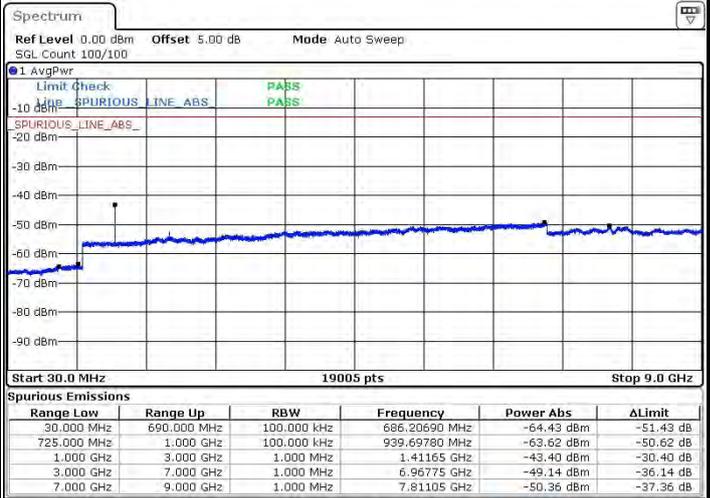
Date: 15.JAN.2015 21:18:16



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

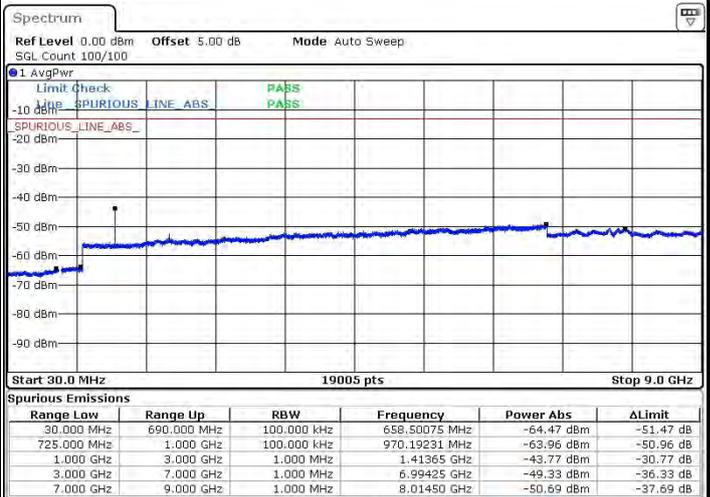
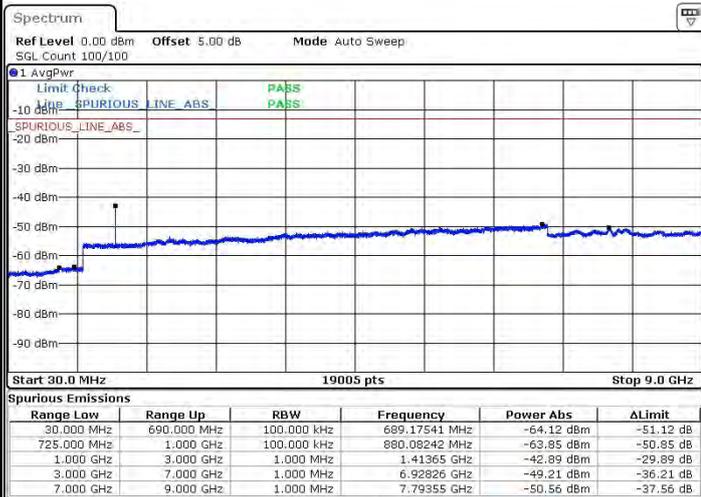


Date: 15. JAN 2015 21:20:18

Date: 15. JAN 2015 21:21:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15. JAN 2015 21:23:37

Date: 15. JAN 2015 21:24:55



Frequency Stability

| Test Conditions  |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0007                              | PASS    |
| 40               | Normal Voltage    | 0.0028                              |         |
| 30               | Normal Voltage    | 0.0034                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0024                              |         |
| 0                | Normal Voltage    | 0.0030                              |         |
| -10              | Normal Voltage    | 0.0013                              |         |
| -20              | Normal Voltage    | 0.0025                              |         |
| -30              | Normal Voltage    | 0.0037                              |         |
| 20               | Maximum Voltage   | 0.0014                              |         |
| 20               | Normal Voltage    | 0.0014                              |         |
| 20               | Battery End Point | 0.0028                              |         |

Note:

- 3. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.