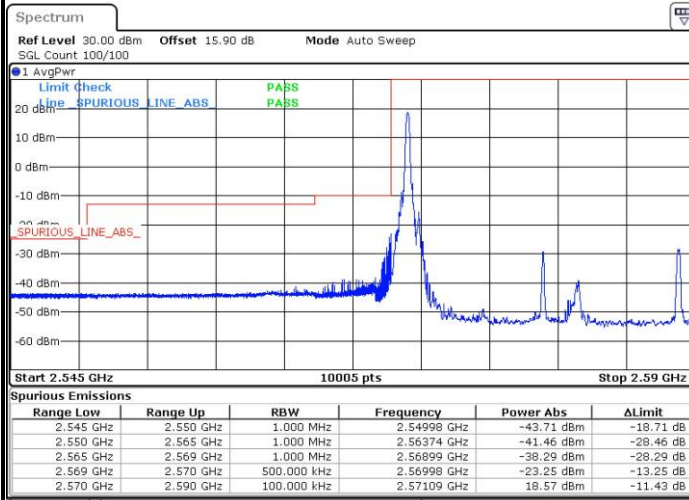




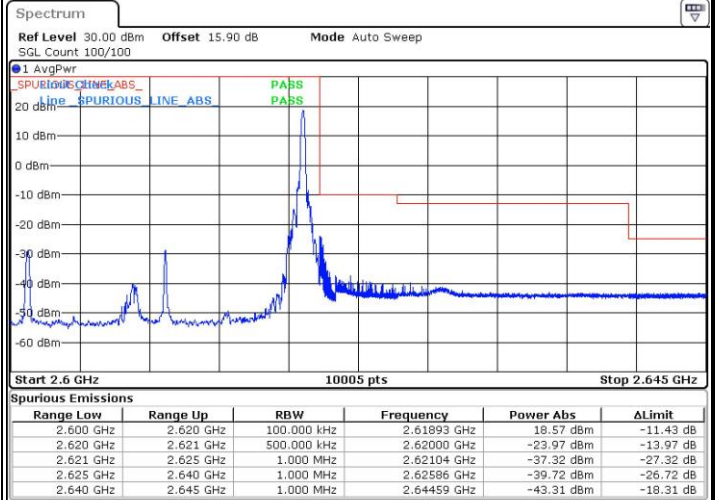
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



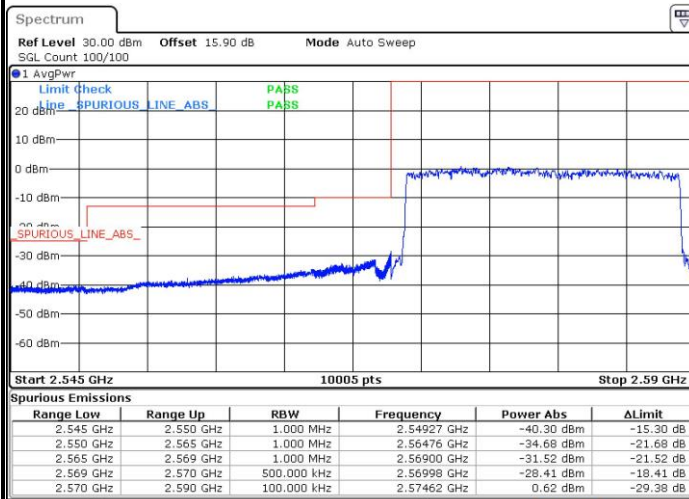
Date: 13.MAY.2019 02:30:31

Highest Band Edge / 1 RB



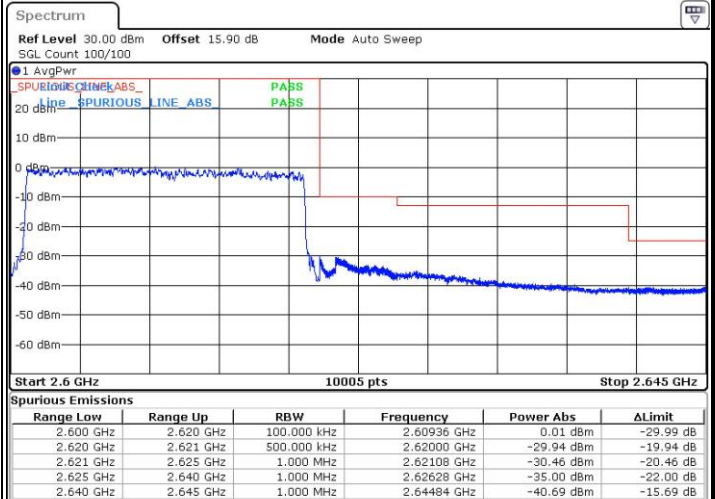
Date: 13.MAY.2019 02:34:41

Lowest Band Edge / Full RB



Date: 13.MAY.2019 02:31:55

Highest Band Edge / Full RB

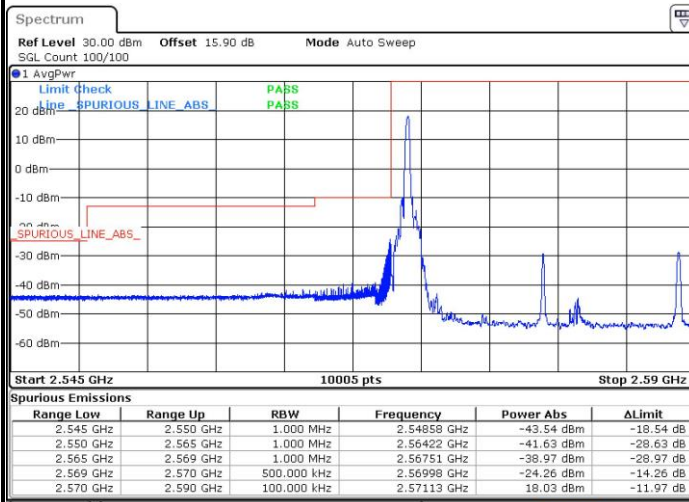


Date: 13.MAY.2019 02:33:18



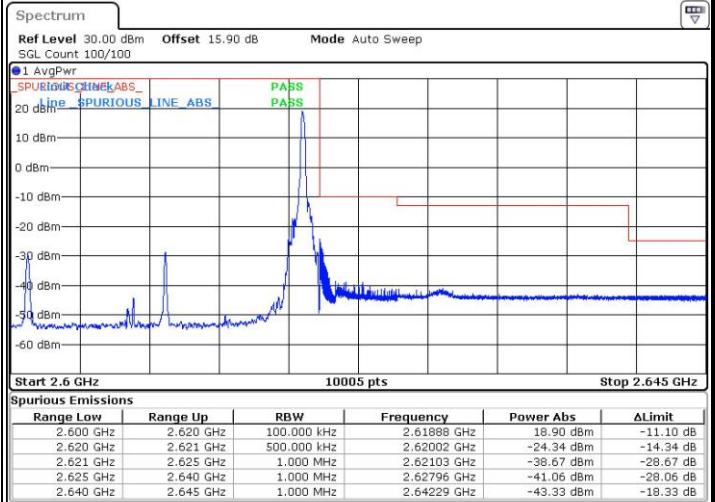
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



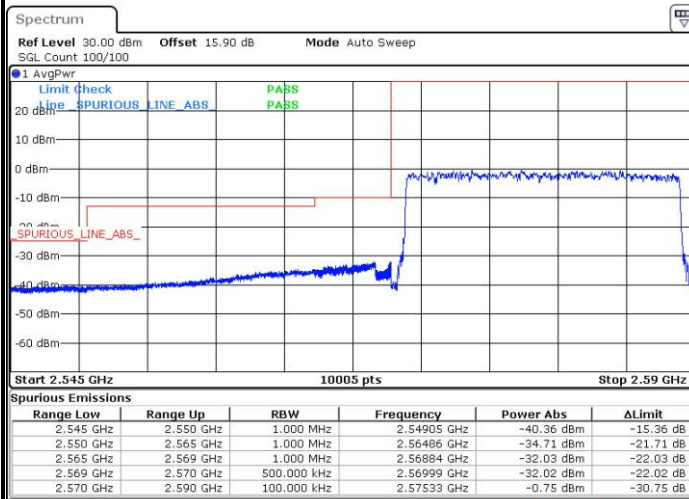
Date: 13.MAY.2019 02:31:13

Highest Band Edge / 1 RB



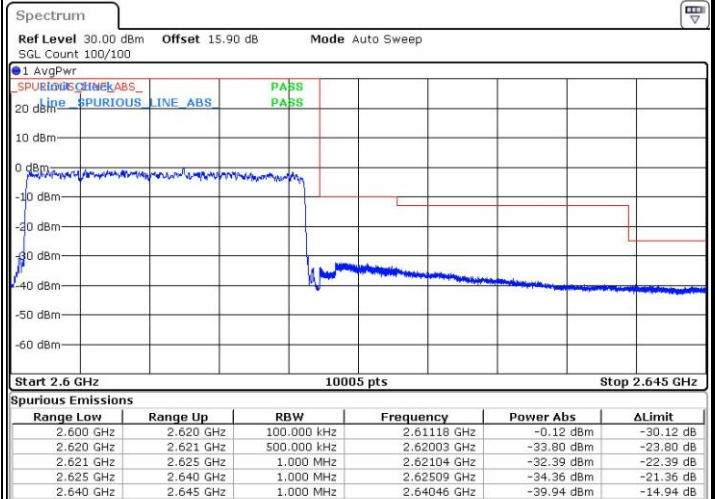
Date: 13.MAY.2019 02:35:23

Lowest Band Edge / Full RB



Date: 13.MAY.2019 02:32:36

Highest Band Edge / Full RB

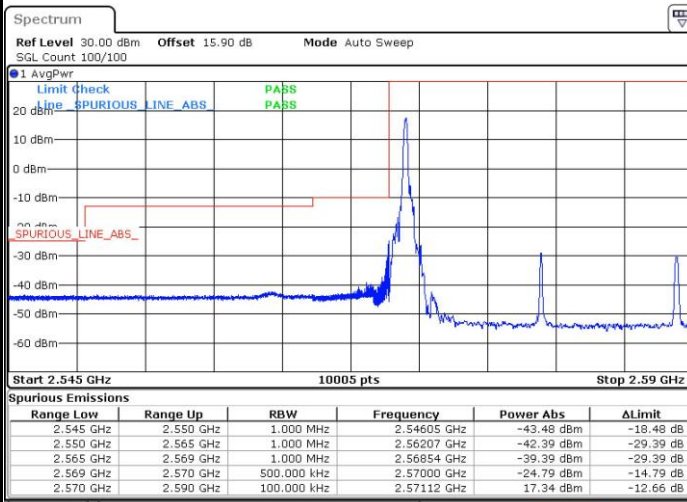


Date: 13.MAY.2019 02:34:00



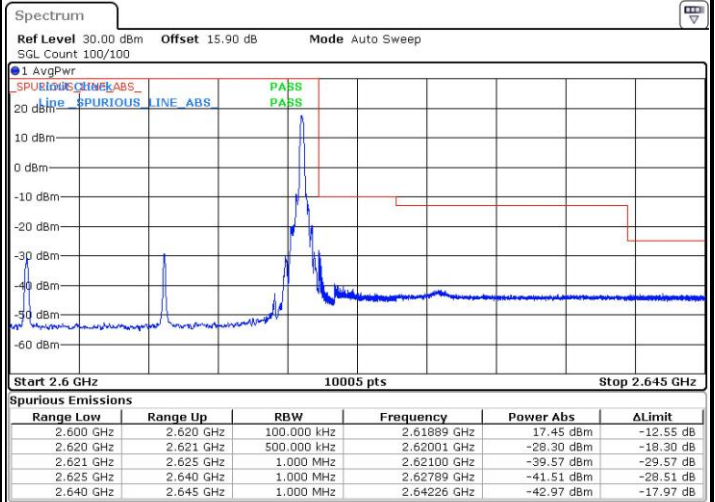
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



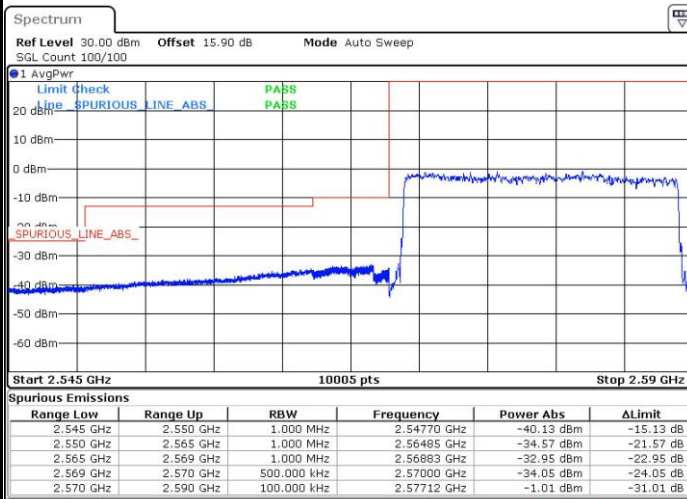
Date: 13.MAY.2019 02:36:05

Highest Band Edge / 1 RB



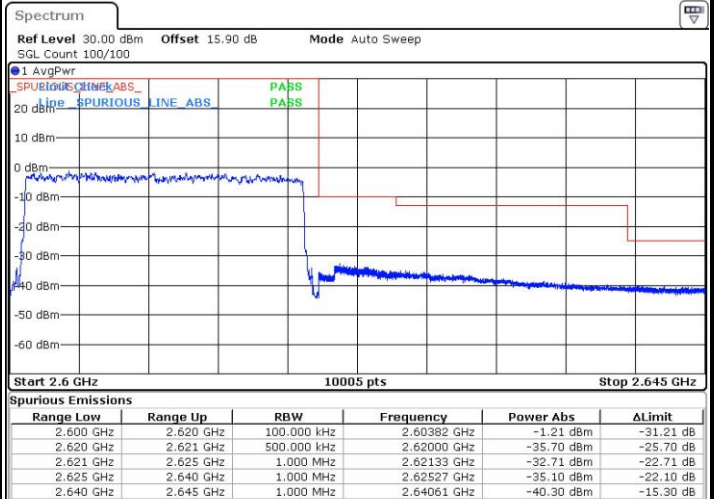
Date: 13.MAY.2019 02:38:10

Lowest Band Edge / Full RB



Date: 13.MAY.2019 02:36:47

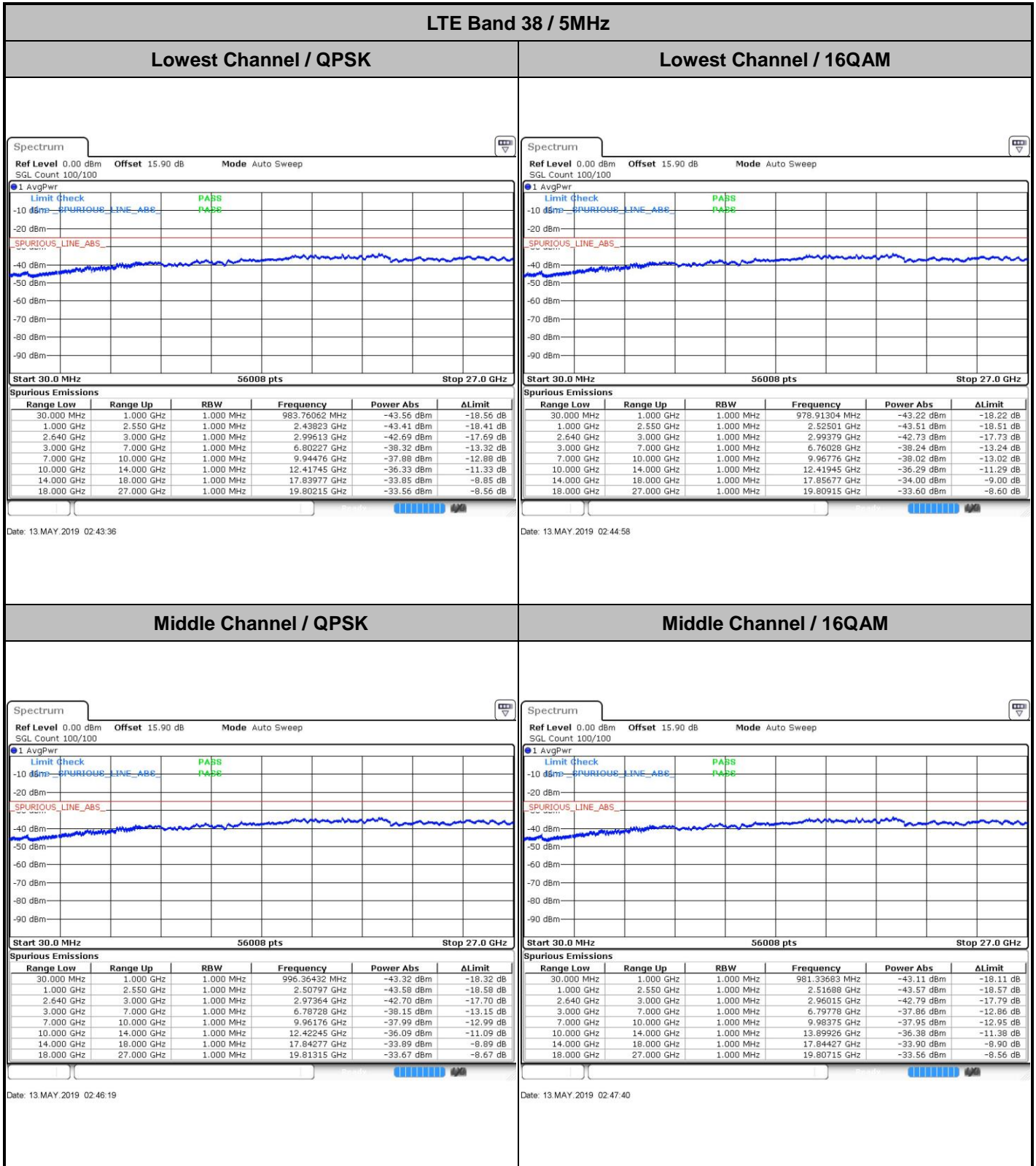
Highest Band Edge / Full RB



Date: 13.MAY.2019 02:37:28



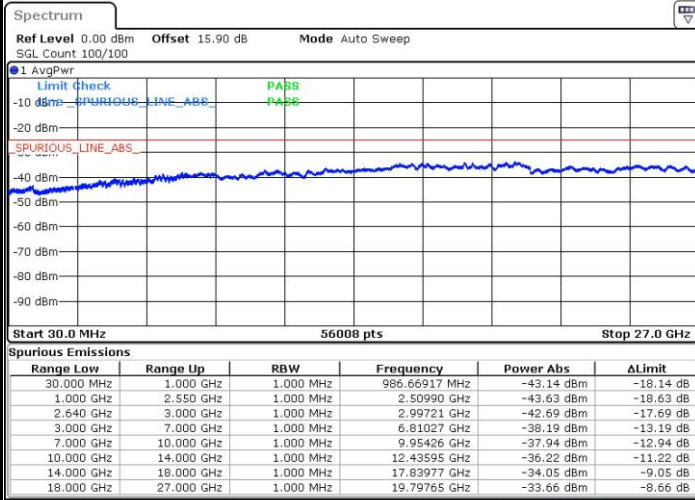
Conducted Spurious Emission





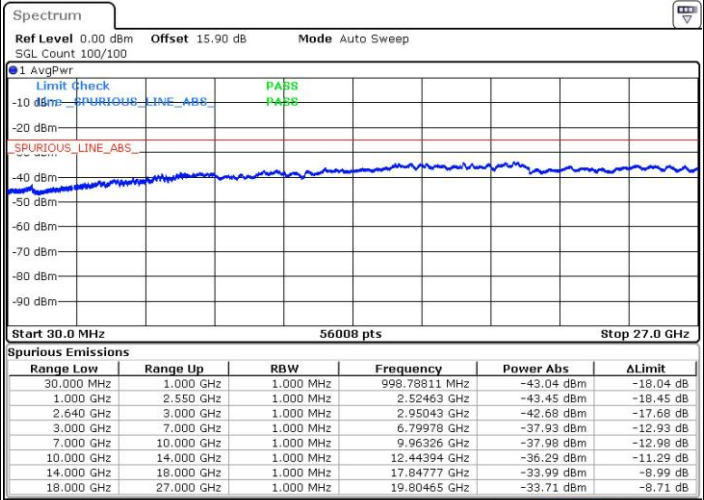
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 13.MAY.2019 02:49:02

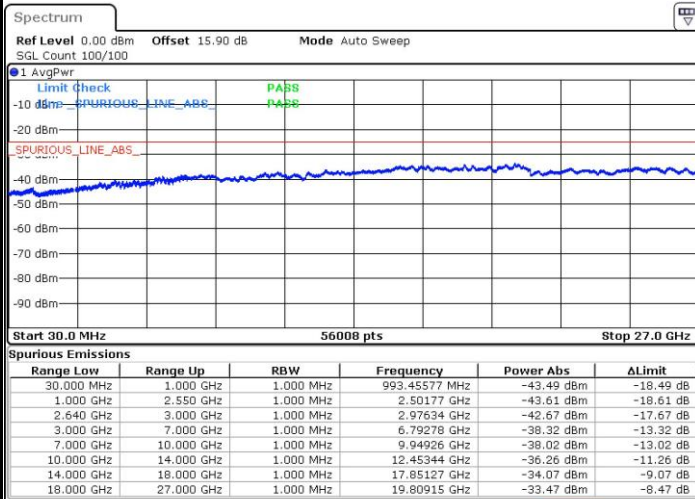
Highest Channel / 16QAM



Date: 13.MAY.2019 02:50:23

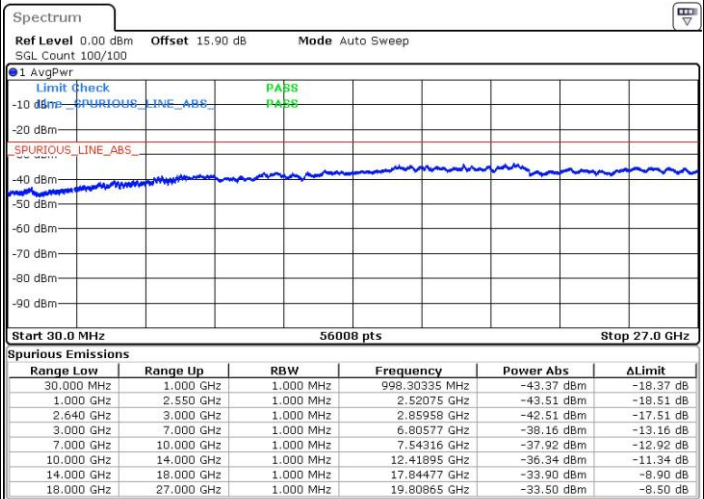
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 13.MAY.2019 02:55:49

Lowest Channel / 16QAM



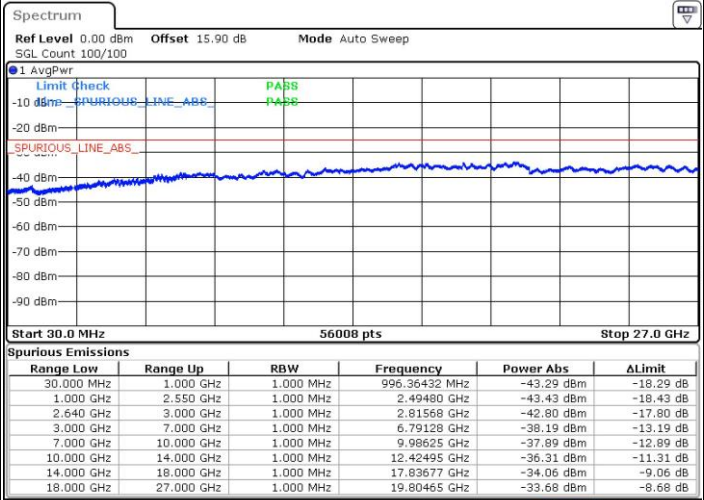
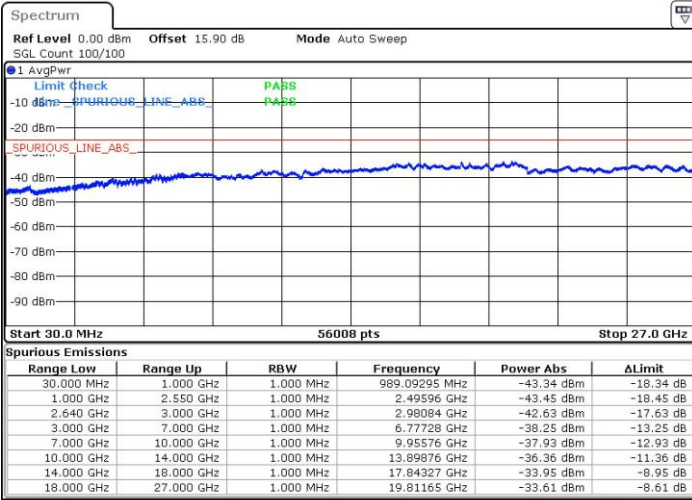
Date: 13.MAY.2019 02:57:11



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

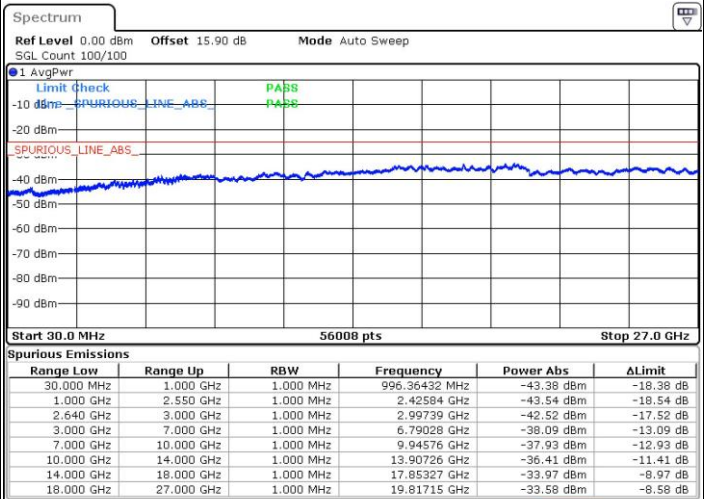
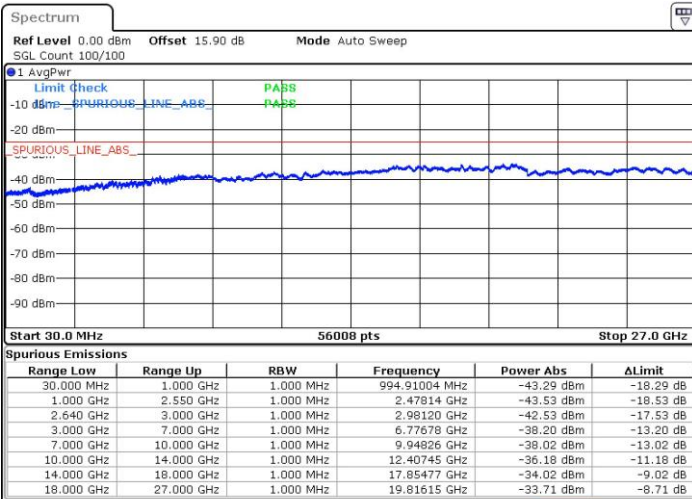


Date: 13.MAY.2019 02:58:32

Date: 13.MAY.2019 02:59:53

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.MAY.2019 03:01:15

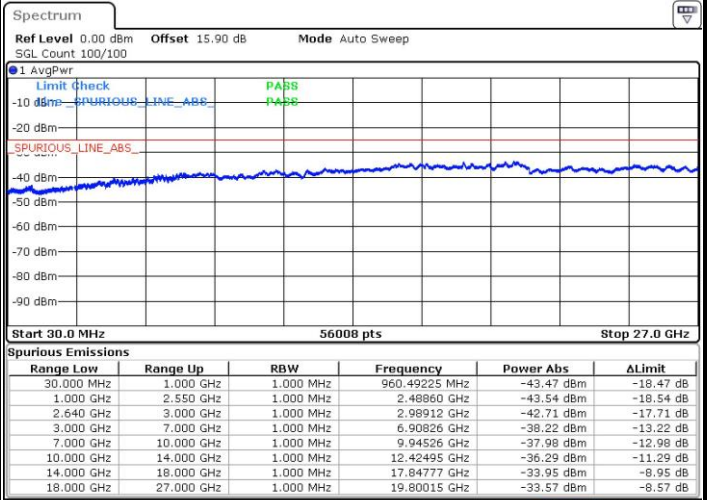
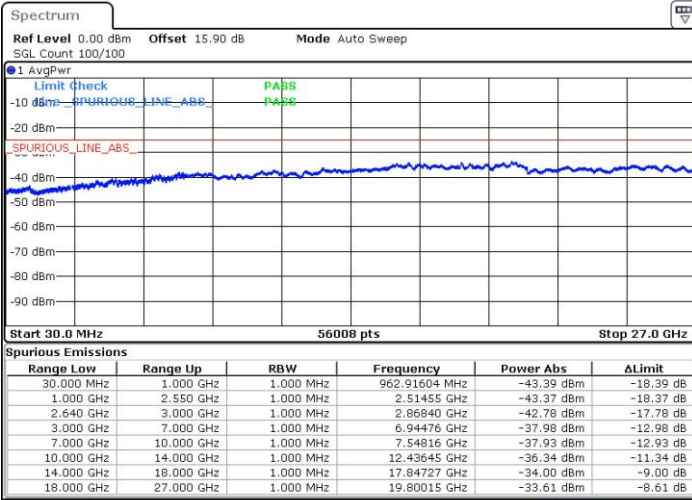
Date: 13.MAY.2019 03:02:36



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

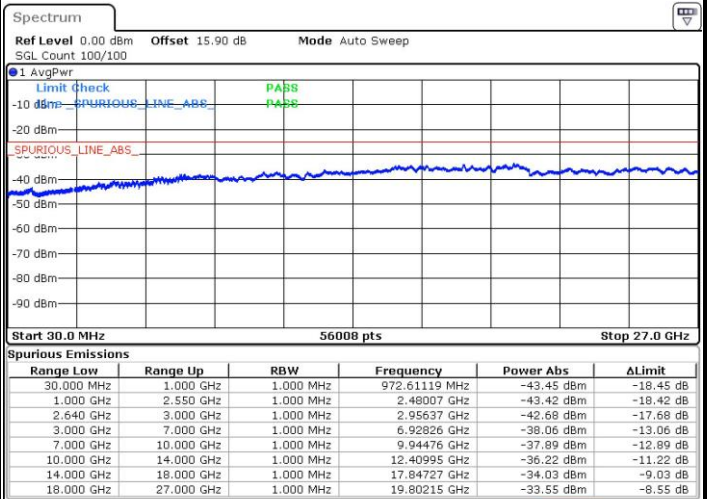
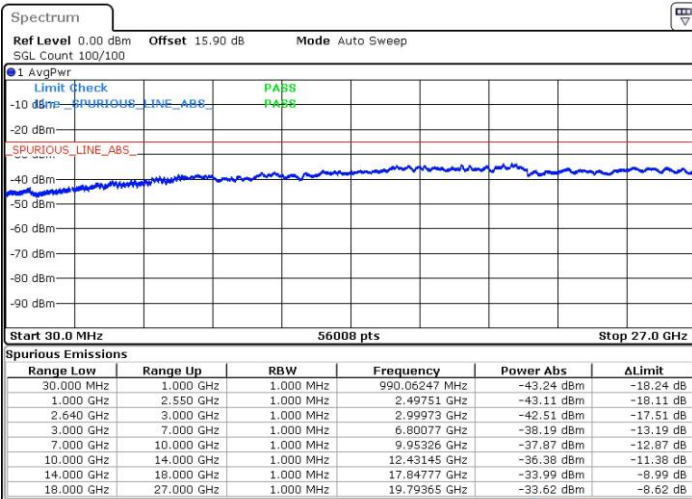


Date: 13.MAY.2019 03:03:58

Date: 13.MAY.2019 03:05:20

Middle Channel / QPSK

Middle Channel / 16QAM



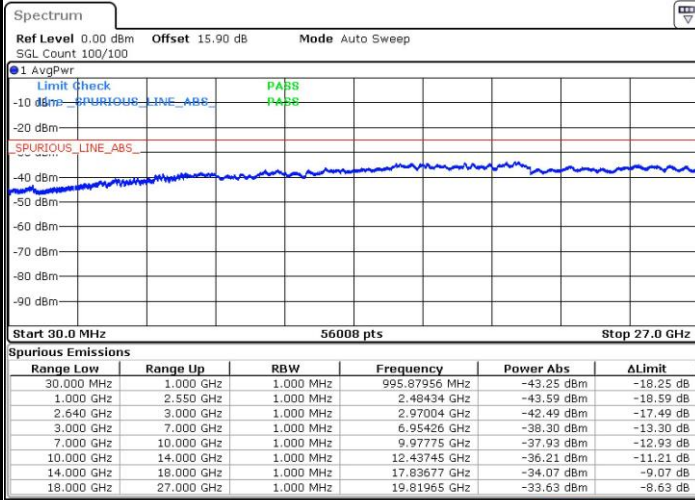
Date: 13.MAY.2019 03:06:41

Date: 13.MAY.2019 03:08:02



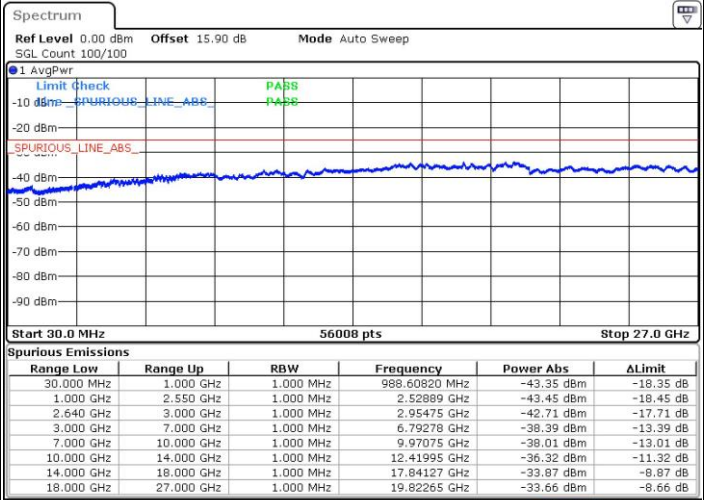
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 13.MAY.2019 03:09:23

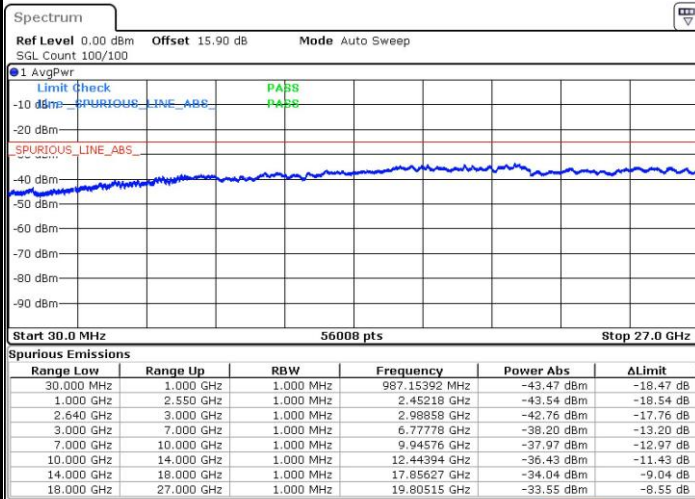
Highest Channel / 16QAM



Date: 13.MAY.2019 03:10:45

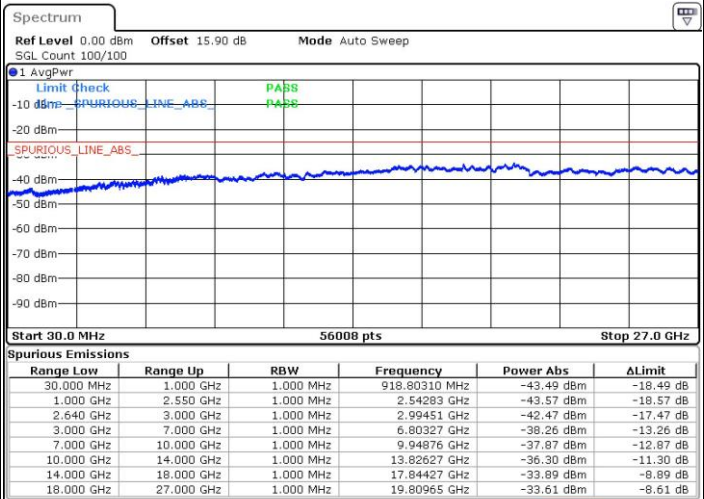
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 13.MAY.2019 03:27:39

Lowest Channel / 16QAM



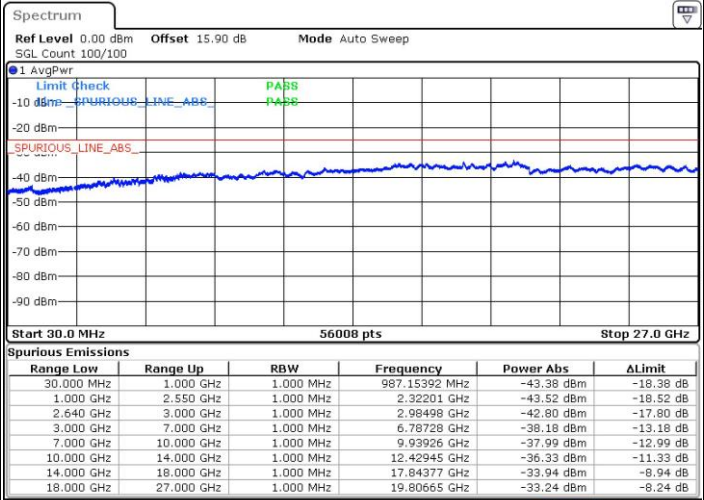
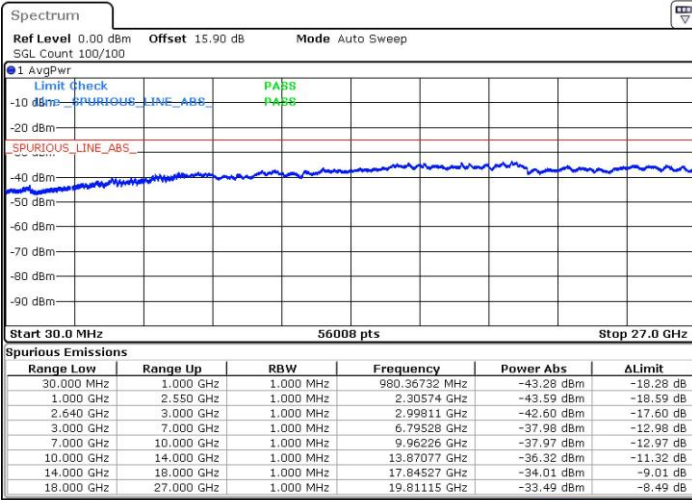
Date: 13.MAY.2019 03:29:01



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

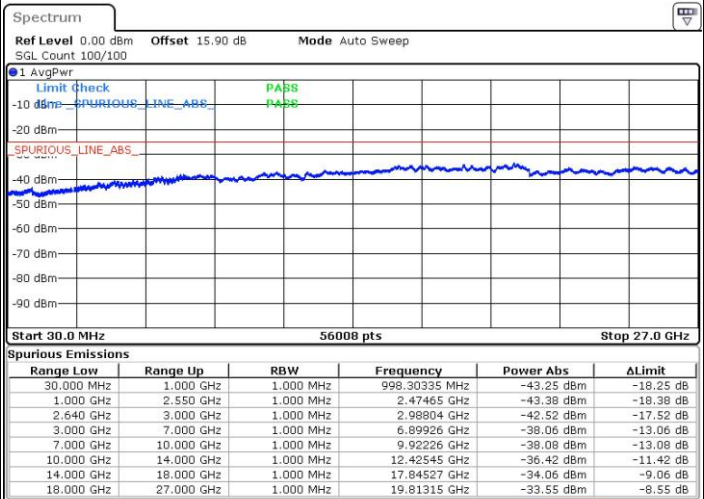
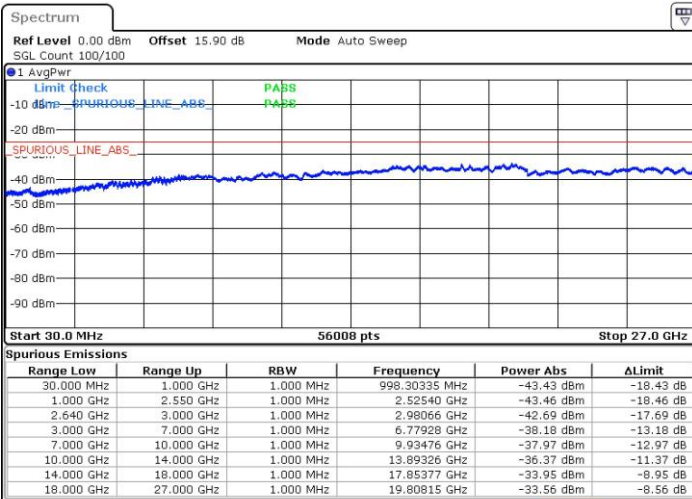


Date: 13.MAY.2019 03:30:22

Date: 13.MAY.2019 03:31:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.MAY.2019 03:33:04

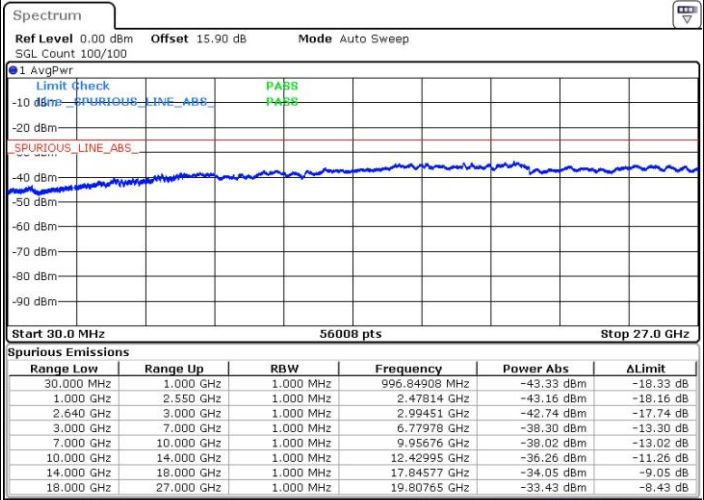
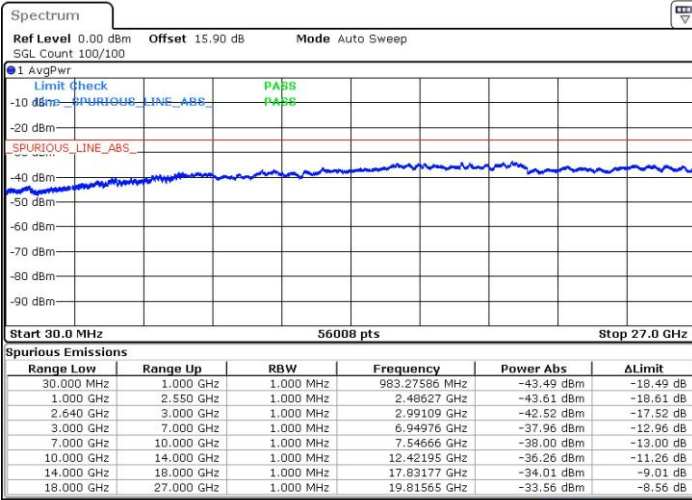
Date: 13.MAY.2019 03:34:26



LTE Band 38 / 5MHz

Lowest Channel / 64QAM

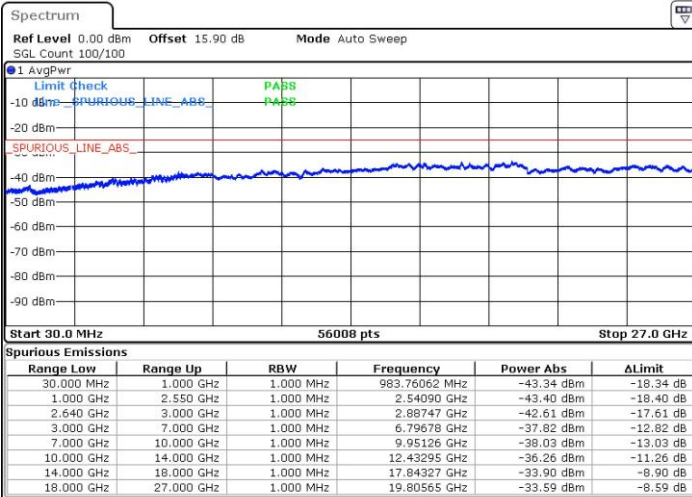
Middle Channel / 64QAM



Date: 13.MAY.2019 02:39:32

Date: 13.MAY.2019 02:40:54

Highest Channel / 64QAM



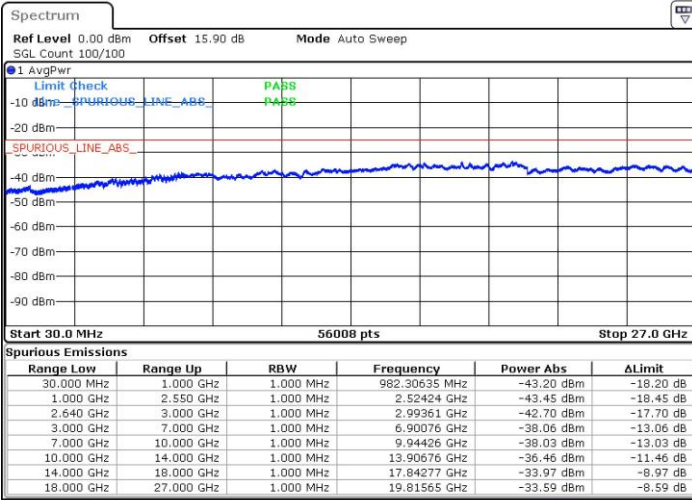
Date: 13.MAY.2019 02:42:15



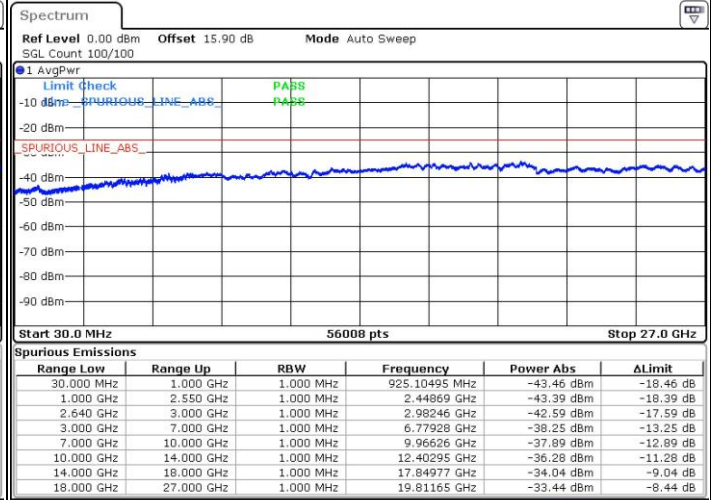
LTE Band 38 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

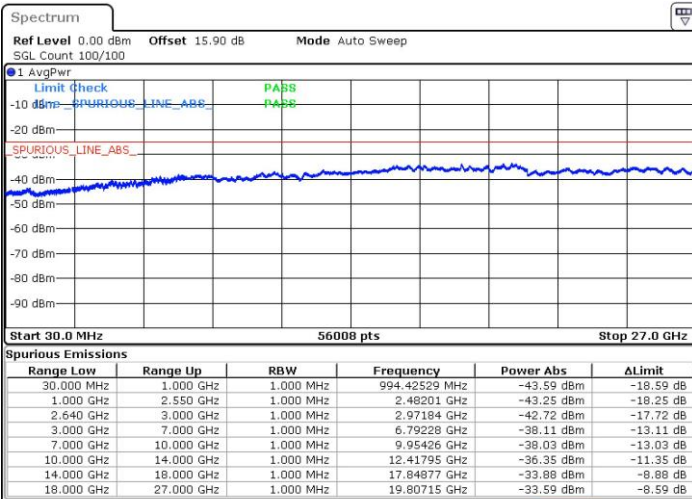


Date: 13.MAY.2019 02:51:45



Date: 13.MAY.2019 02:53:06

Highest Channel / 64QAM



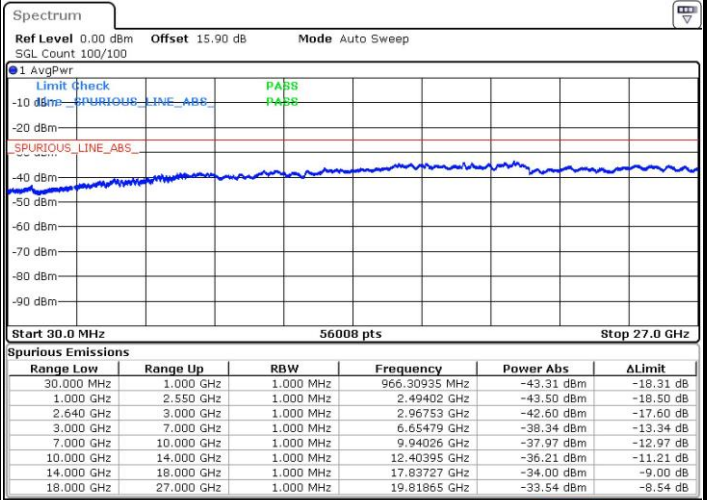
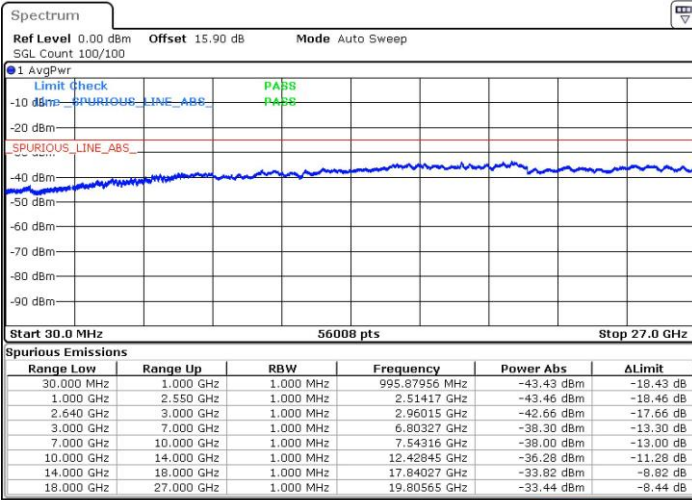
Date: 13.MAY.2019 02:54:28



LTE Band 38 / 15MHz

Lowest Channel / 64QAM

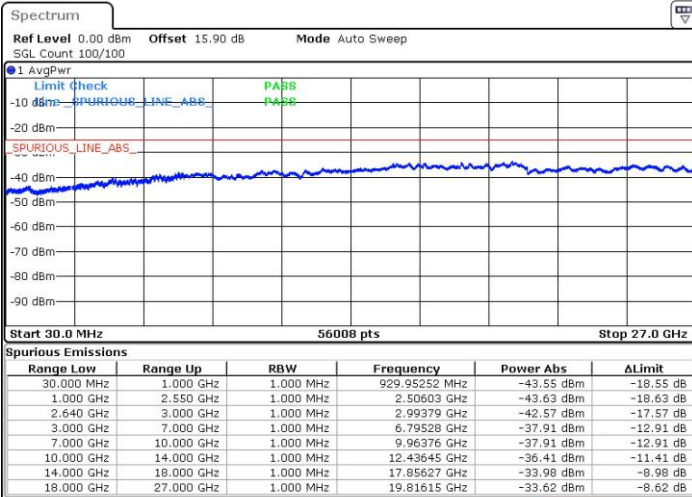
Middle Channel / 64QAM



Date: 13.MAY.2019 03:12:06

Date: 13.MAY.2019 03:13:27

Highest Channel / 64QAM



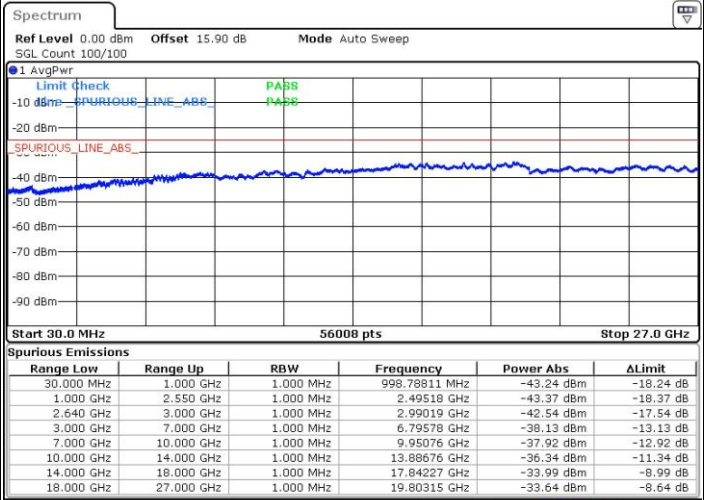
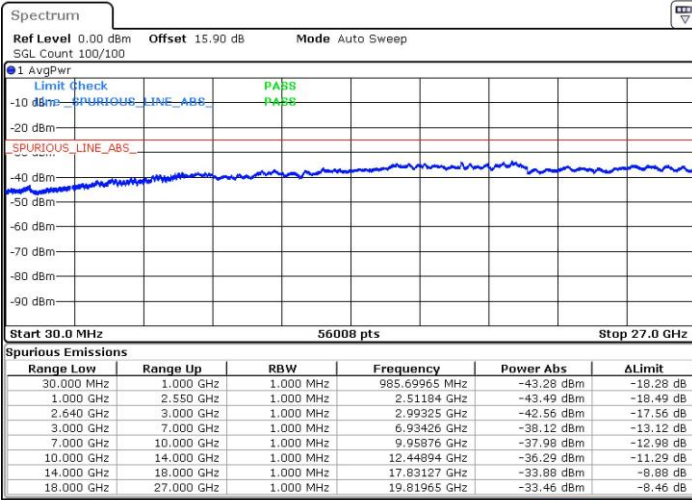
Date: 13.MAY.2019 03:14:48



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

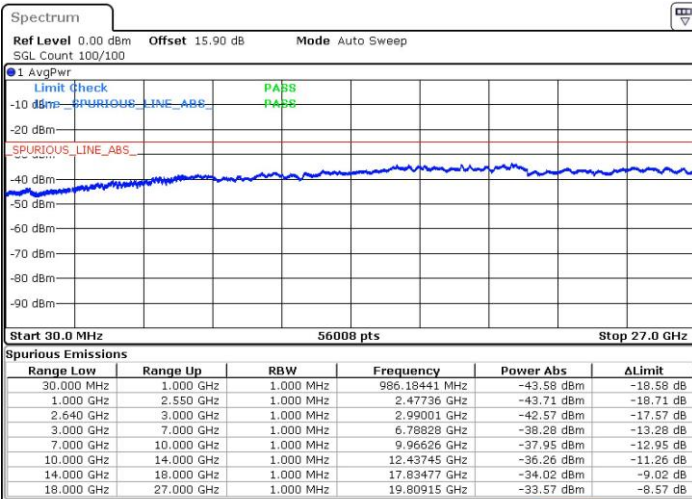
Middle Channel / 64QAM



Date: 13.MAY.2019 03:35:47

Date: 13.MAY.2019 03:37:08

Highest Channel / 64QAM



Date: 13.MAY.2019 03:38:29



Frequency Stability

| Test Conditions | | LTE Band 38 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0007 | PASS |
| 40 | Normal Voltage | 0.0076 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0070 | |
| 0 | Normal Voltage | 0.0001 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0066 | |
| 20 | Maximum Voltage | 0.0066 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0001 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

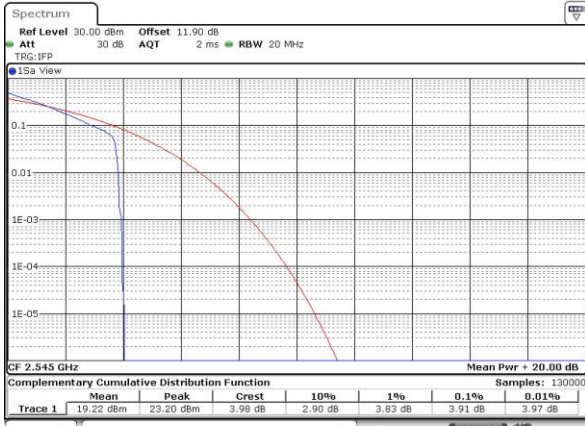
Peak-to-Average Ratio

| Mode | LTE Band 41 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.91 | 4.70 | 5.59 | 6.14 | PASS |
| Middle CH | 3.94 | 4.70 | 5.83 | 6.09 | |
| Highest CH | 3.97 | 4.78 | 5.74 | 6.17 | |
| Mode | LTE Band 41 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.93 | 6.67 | - | - | PASS |
| Middle CH | 6.75 | 6.67 | - | - | |
| Highest CH | 6.96 | 6.75 | - | - | |



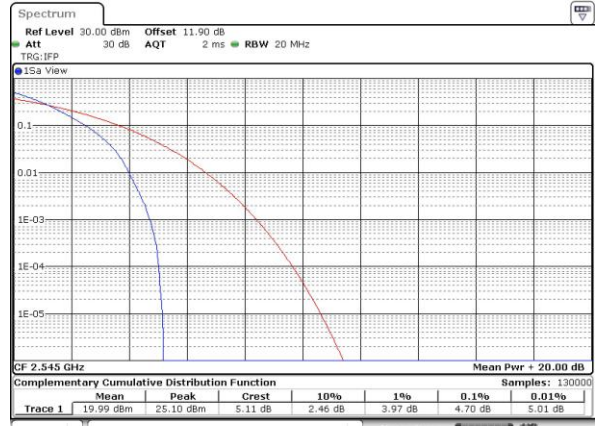
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



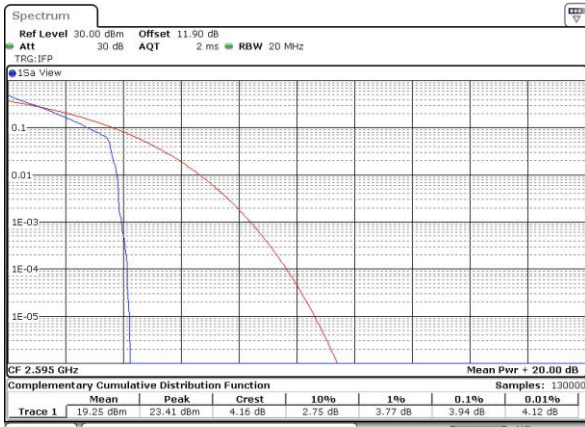
Date: 13 MAY 2019 01:51:32

Lowest Channel / Full RB



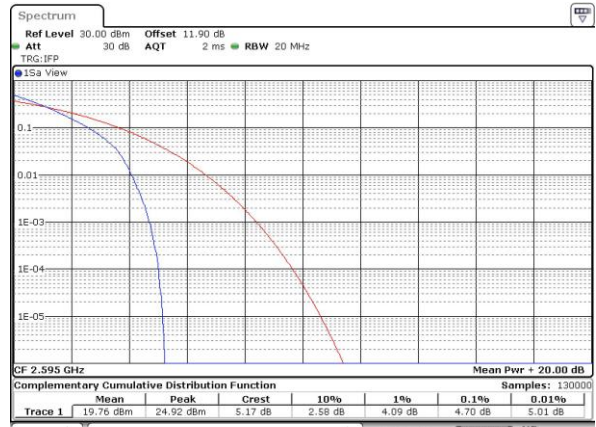
Date: 13 MAY 2019 01:51:48

Middle Channel / 1RB



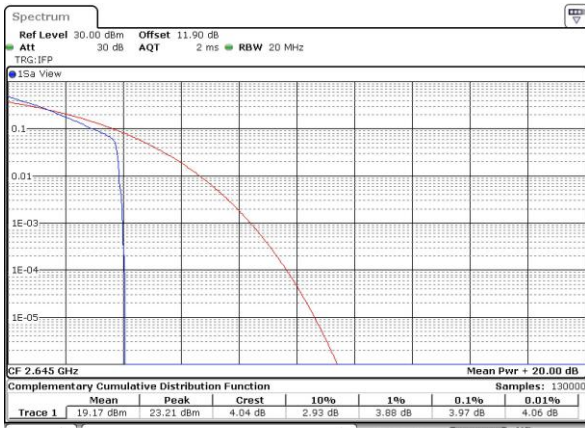
Date: 13 MAY 2019 01:52:04

Middle Channel / Full RB



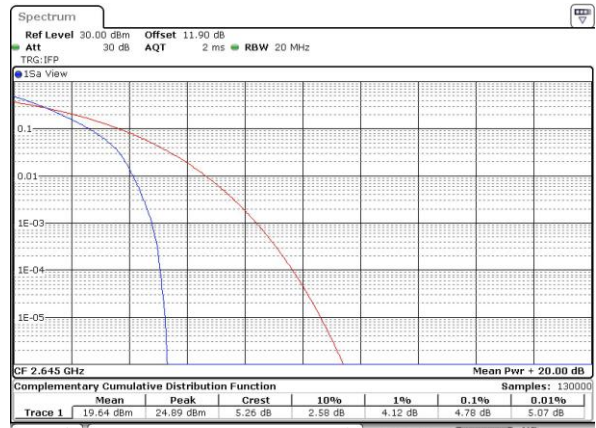
Date: 13 MAY 2019 01:52:20

Highest Channel / 1RB



Date: 13 MAY 2019 01:52:38

Highest Channel / Full RB

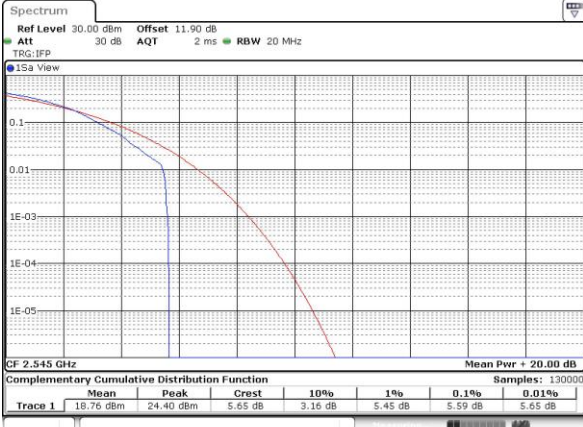


Date: 13 MAY 2019 01:52:53



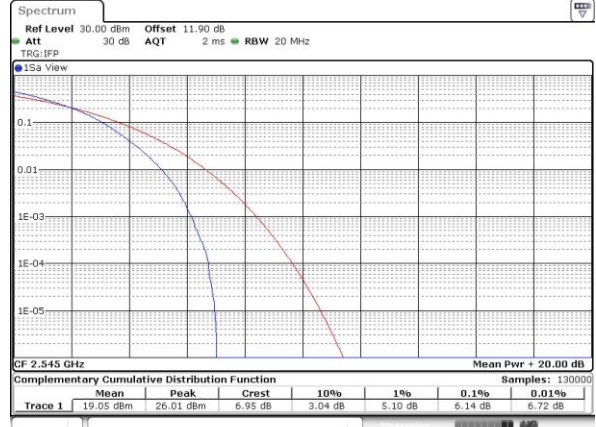
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



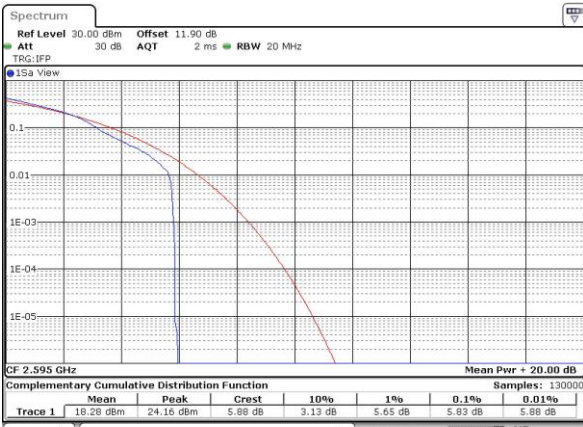
Date: 13 MAY 2019 01:49:47

Lowest Channel / Full RB



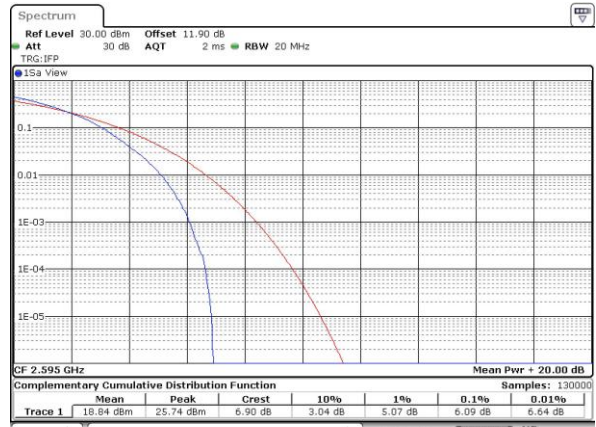
Date: 13 MAY 2019 01:50:07

Middle Channel / 1RB



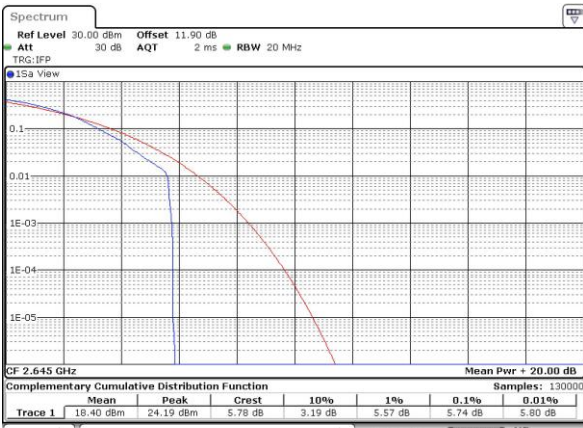
Date: 13 MAY 2019 01:50:25

Middle Channel / Full RB



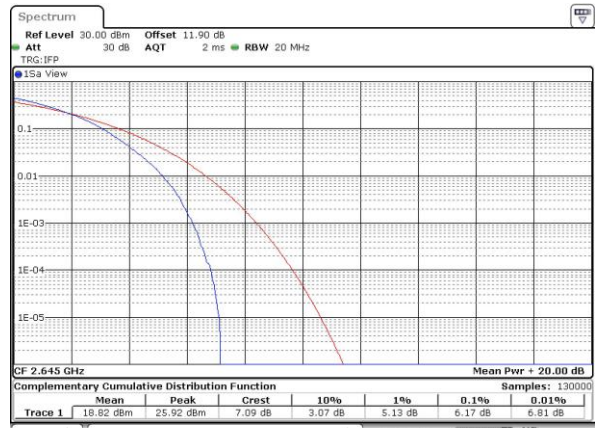
Date: 13 MAY 2019 01:50:41

Highest Channel / 1RB



Date: 13 MAY 2019 01:50:58

Highest Channel / Full RB

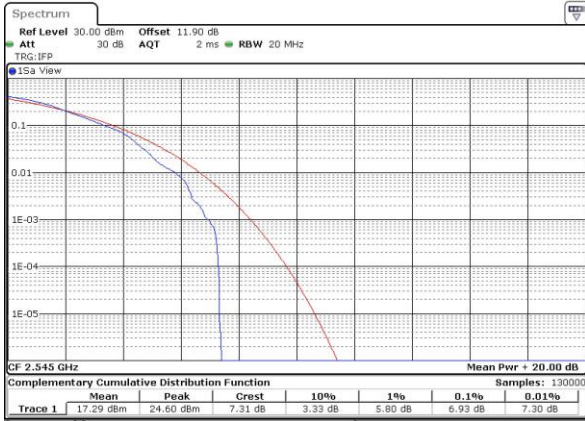


Date: 13 MAY 2019 01:51:14



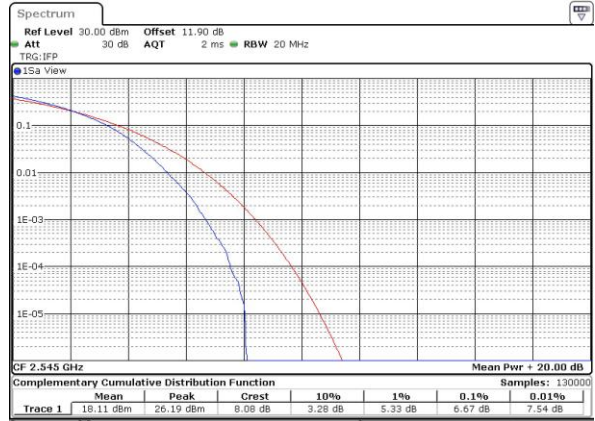
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



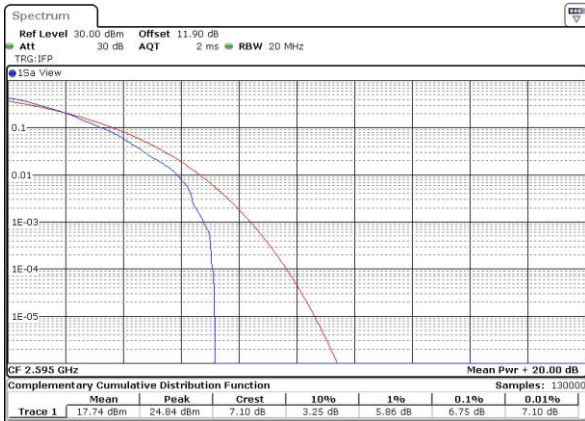
Date: 13 MAY 2019 01:48:06

Lowest Channel / Full RB



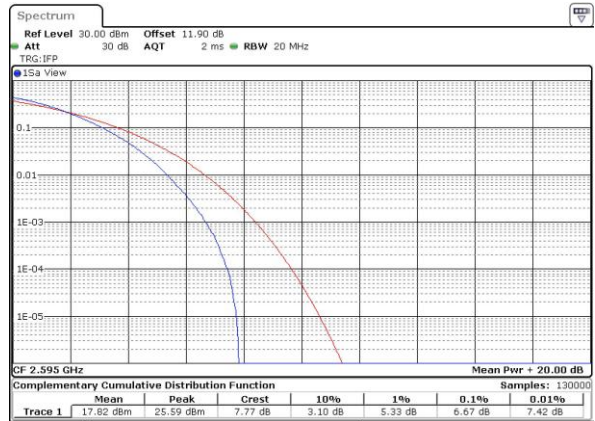
Date: 13 MAY 2019 01:48:22

Middle Channel / 1RB



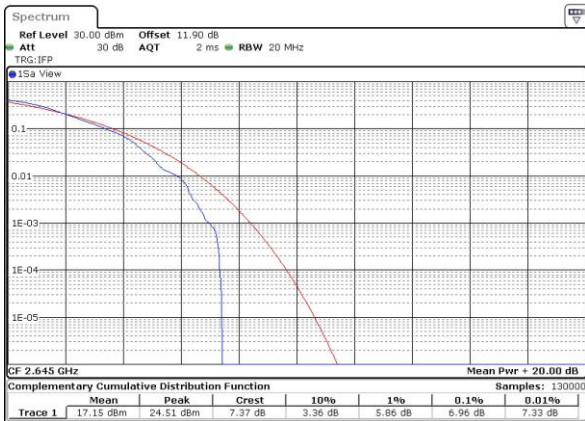
Date: 13 MAY 2019 01:48:38

Middle Channel / Full RB



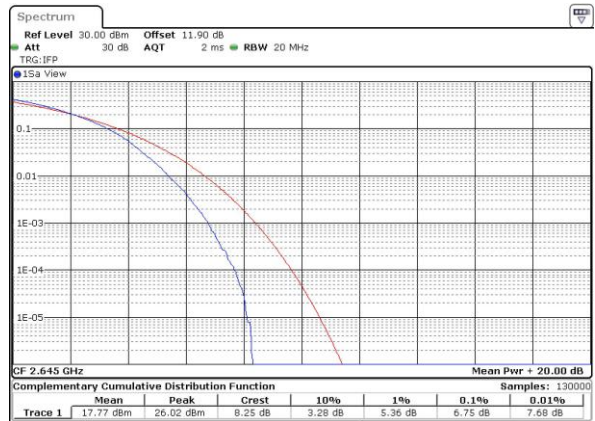
Date: 13 MAY 2019 01:48:55

Highest Channel / 1RB



Date: 13 MAY 2019 01:49:11

Highest Channel / Full RB



Date: 13 MAY 2019 01:49:29



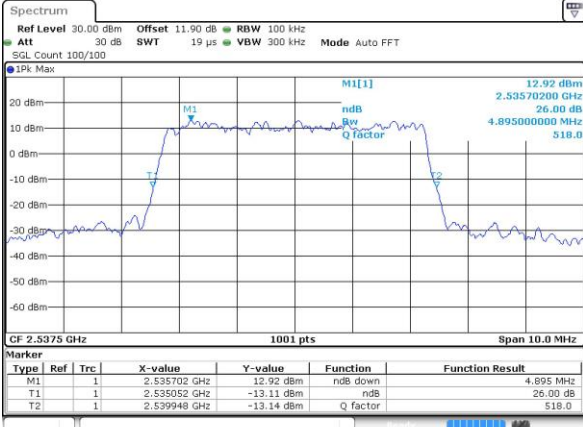
26dB Bandwidth

| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.90 | 4.82 | 9.65 | 9.69 | 14.15 | 14.24 | 18.94 | 18.90 |
| Middle CH | - | - | - | - | 4.92 | 4.80 | 9.69 | 9.81 | 14.42 | 14.24 | 19.14 | 18.62 |
| Highest CH | - | - | - | - | 4.92 | 4.86 | 9.67 | 9.81 | 14.27 | 14.27 | 18.78 | 18.62 |
| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.91 | - | 9.73 | - | 14.15 | - | 18.86 | - |
| Middle CH | - | - | - | - | 4.82 | - | 9.79 | - | 14.27 | - | 18.62 | - |
| Highest CH | - | - | - | - | 4.79 | - | 9.67 | - | 14.65 | - | 18.70 | - |



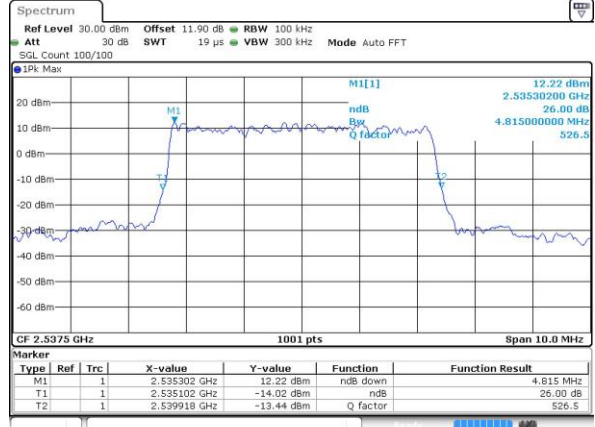
LTE Band 41

Lowest Channel / 5MHz / QPSK



Date: 13 MAY 2019 01:30:52

Lowest Channel / 5MHz / 16QAM



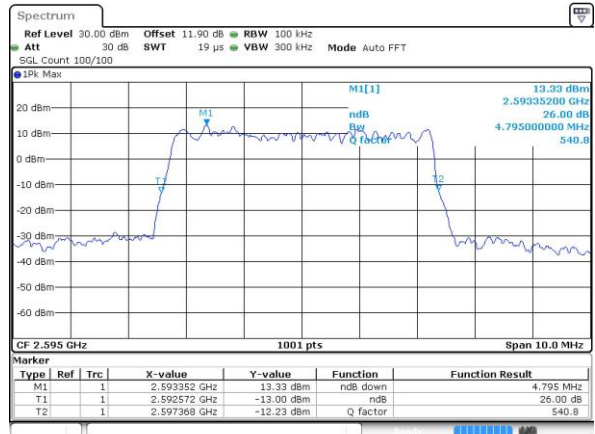
Date: 13 MAY 2019 01:31:05

Middle Channel / 5MHz / QPSK



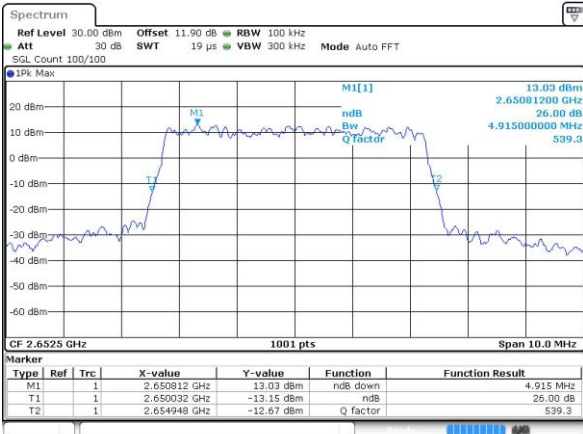
Date: 13 MAY 2019 01:31:42

Middle Channel / 5MHz / 16QAM



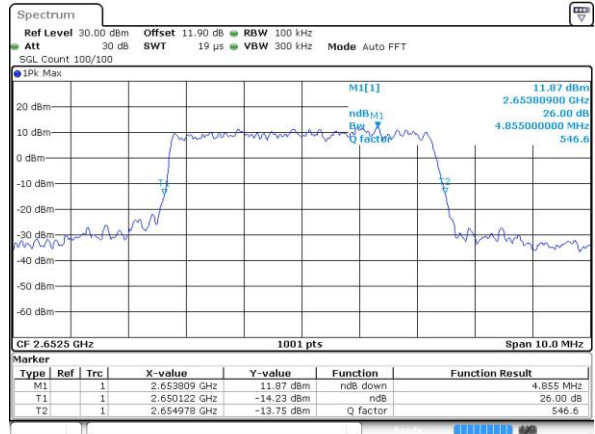
Date: 13 MAY 2019 01:31:55

Highest Channel / 5MHz / QPSK



Date: 13 MAY 2019 01:32:32

Highest Channel / 5MHz / 16QAM



Date: 13 MAY 2019 01:32:45