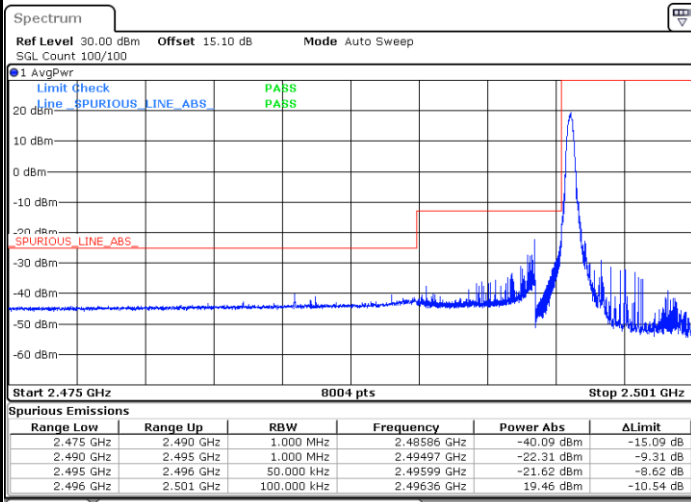




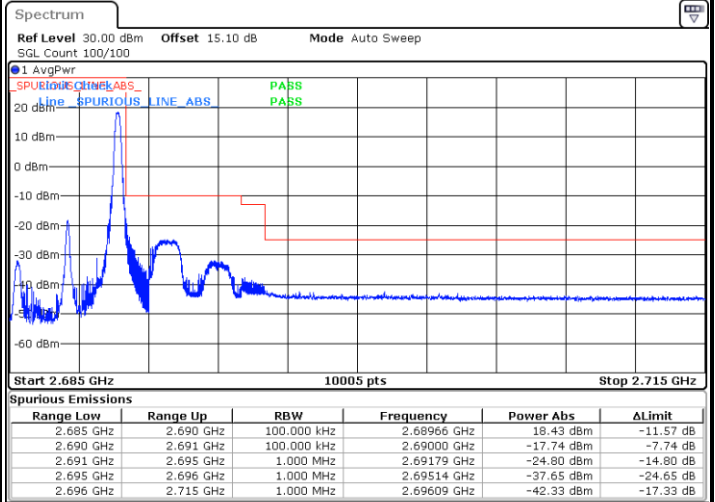
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



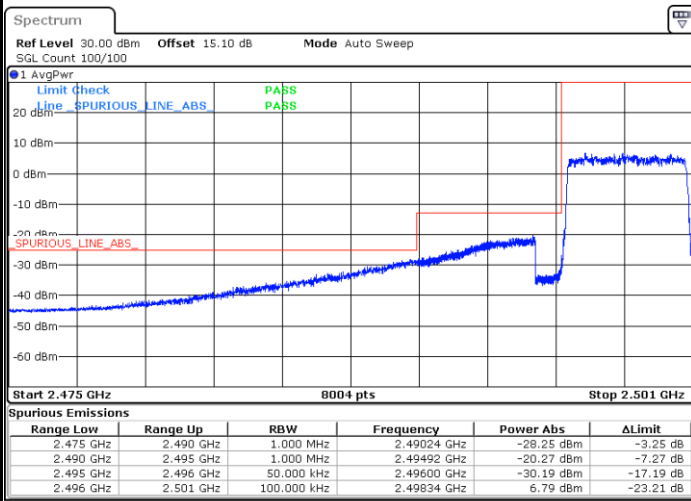
Date: 5 MAR 2020 14:22:33

Highest Band Edge / 1 RB



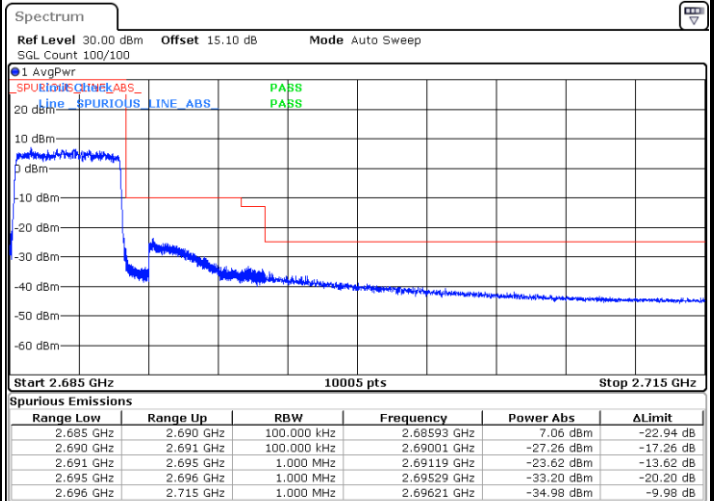
Date: 5 MAR 2020 14:27:54

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:25:14

Highest Band Edge / Full RB

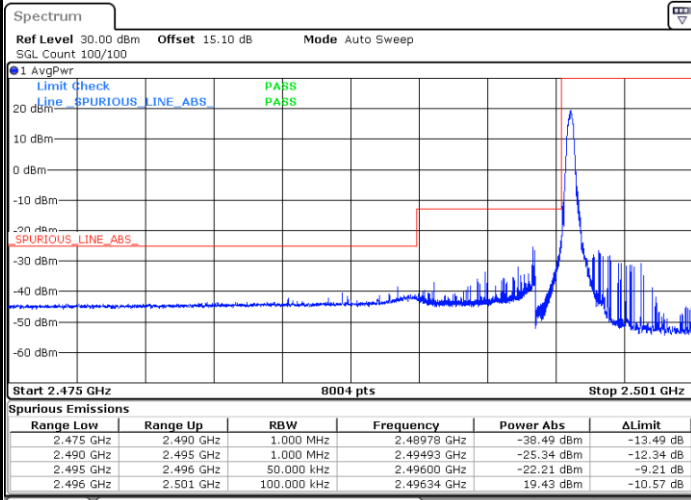


Date: 5 MAR 2020 14:30:33



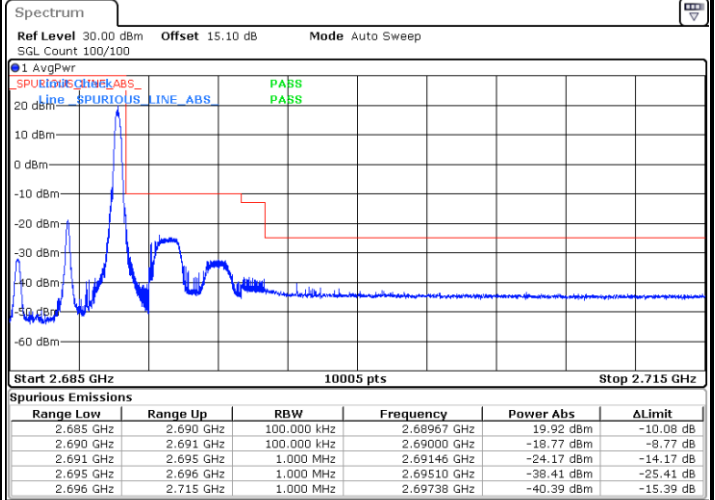
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



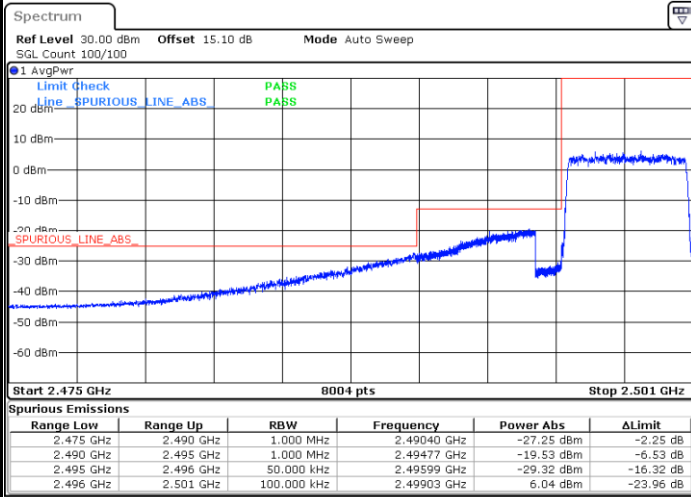
Date: 5 MAR 2020 14:31:53

Highest Band Edge / 1 RB



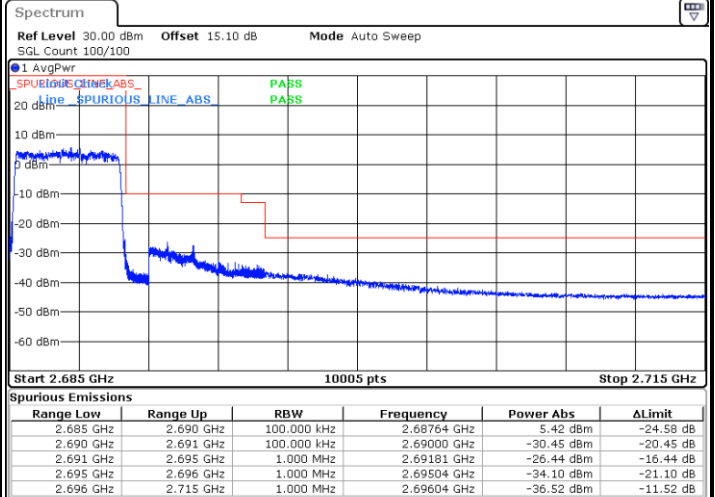
Date: 5 MAR 2020 14:34:34

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:33:14

Highest Band Edge / Full RB

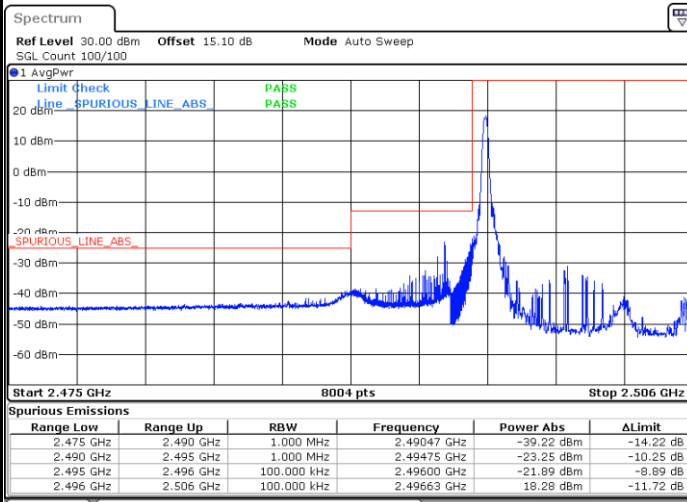


Date: 5 MAR 2020 14:35:54



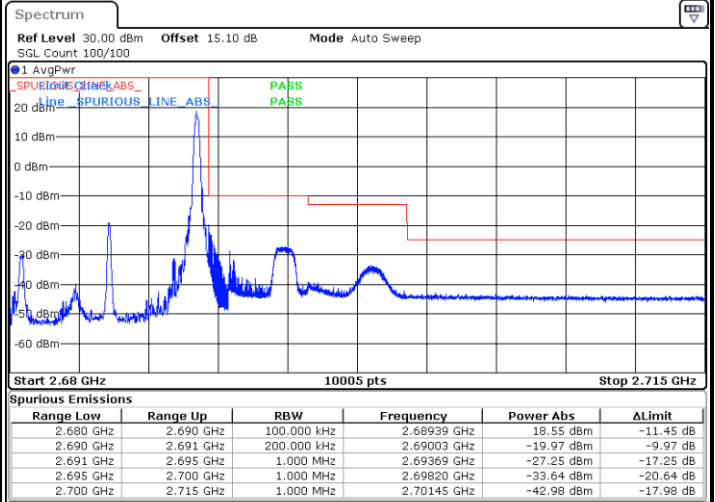
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



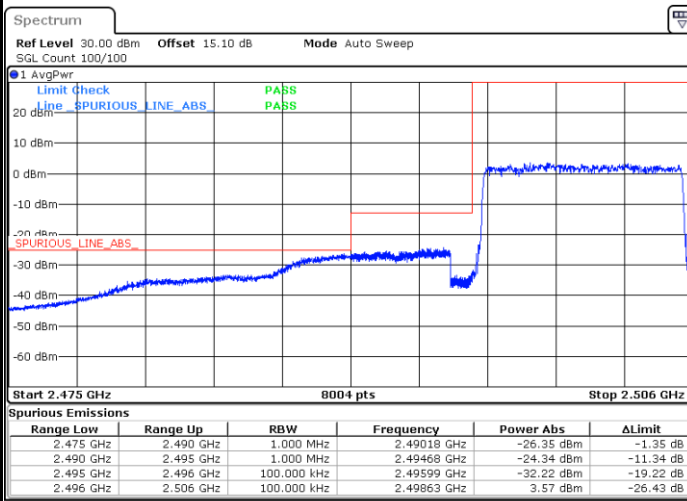
Date: 5 MAR 2020 14:37:14

Highest Band Edge / 1 RB



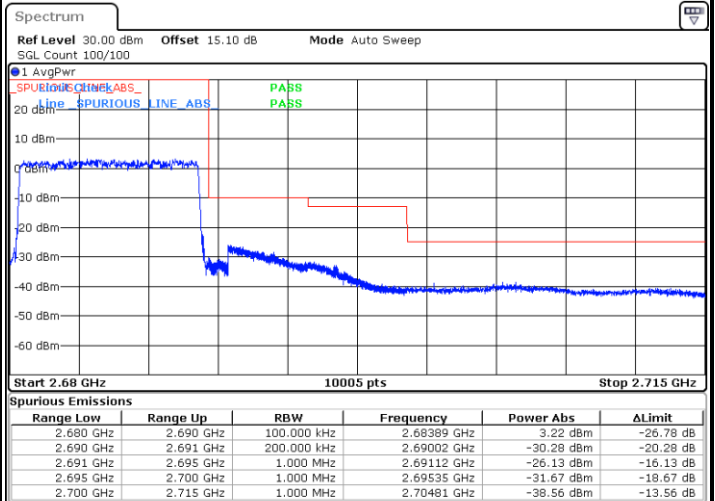
Date: 5 MAR 2020 14:42:35

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:39:55

Highest Band Edge / Full RB

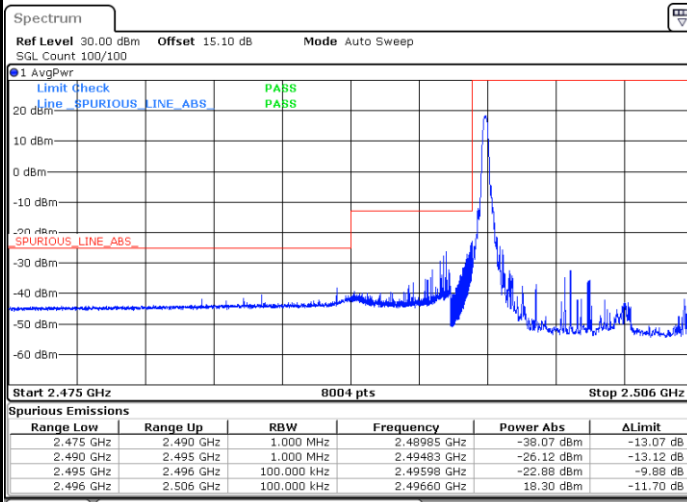


Date: 5 MAR 2020 14:45:15



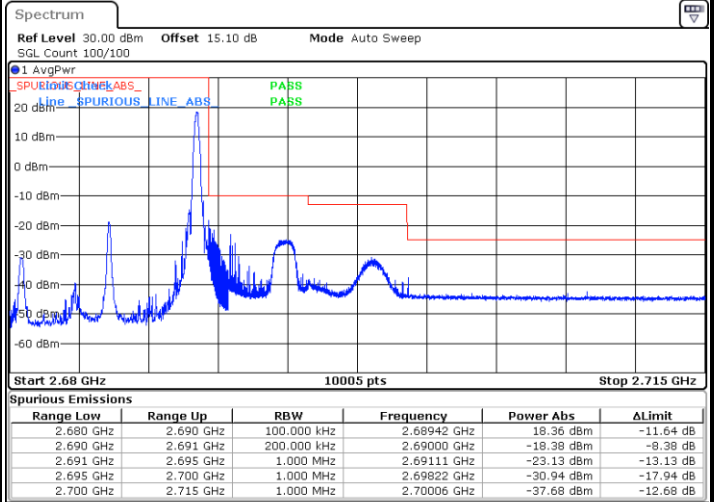
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



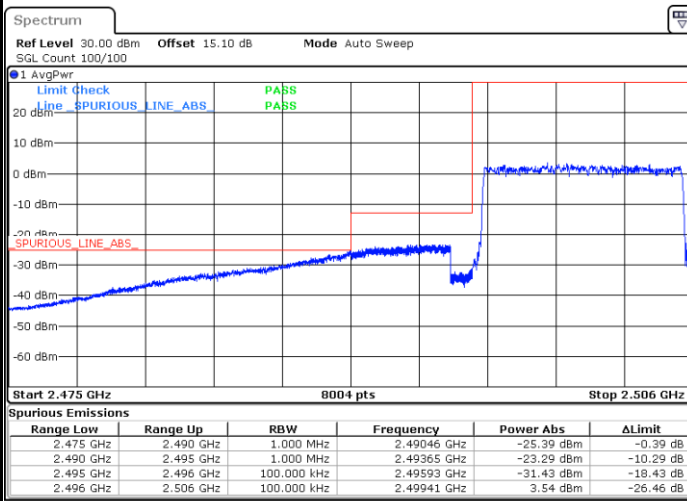
Date: 5 MAR 2020 14:38:35

Highest Band Edge / 1 RB



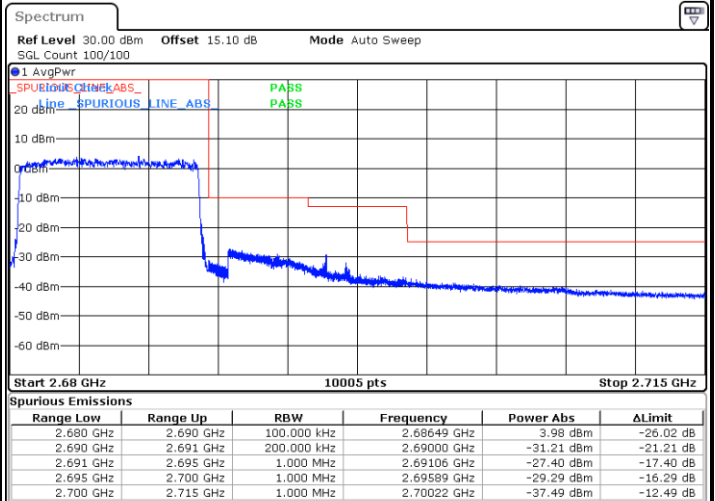
Date: 5 MAR 2020 14:43:55

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:41:15

Highest Band Edge / Full RB

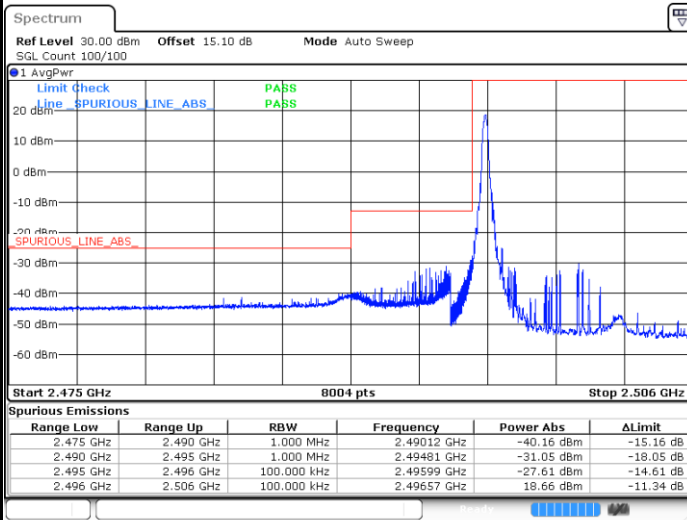


Date: 5 MAR 2020 14:46:34



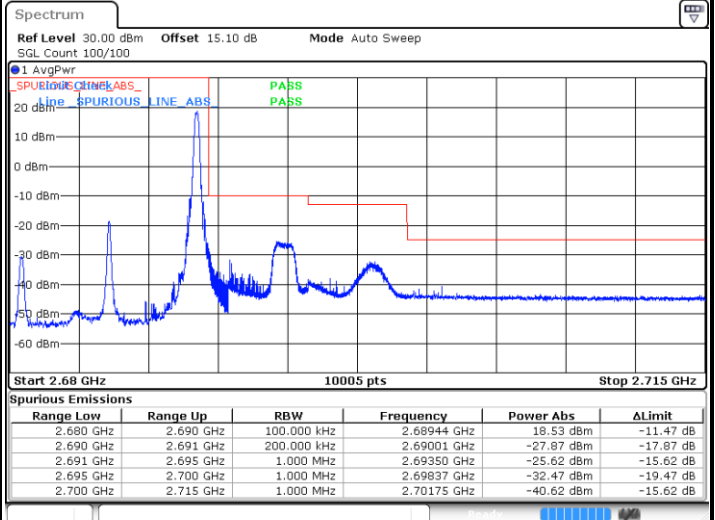
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



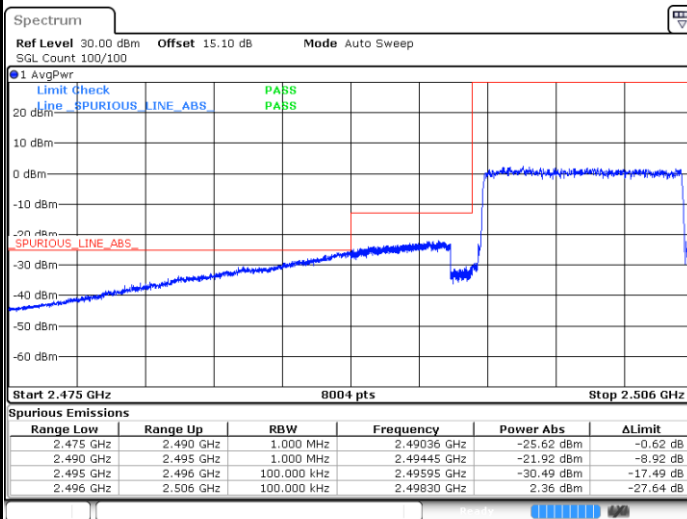
Date: 5 MAR 2020 14:47:54

Highest Band Edge / 1 RB



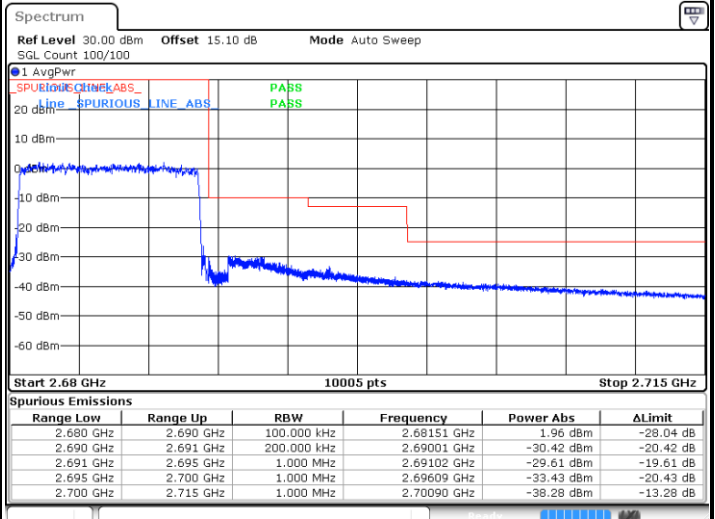
Date: 5 MAR 2020 14:50:35

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:49:15

Highest Band Edge / Full RB

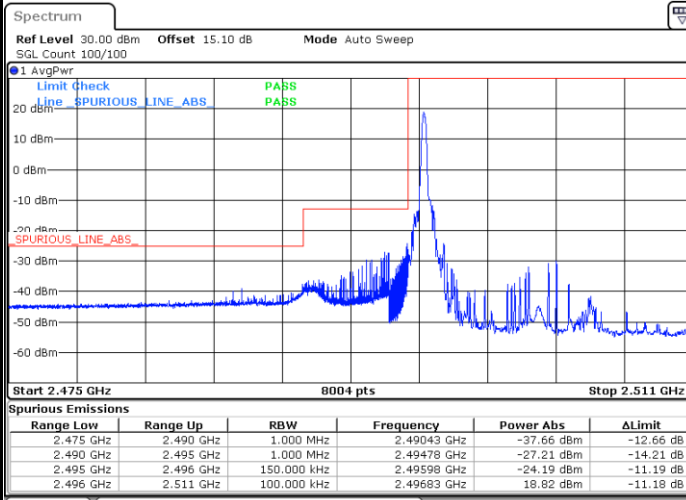


Date: 5 MAR 2020 14:51:54



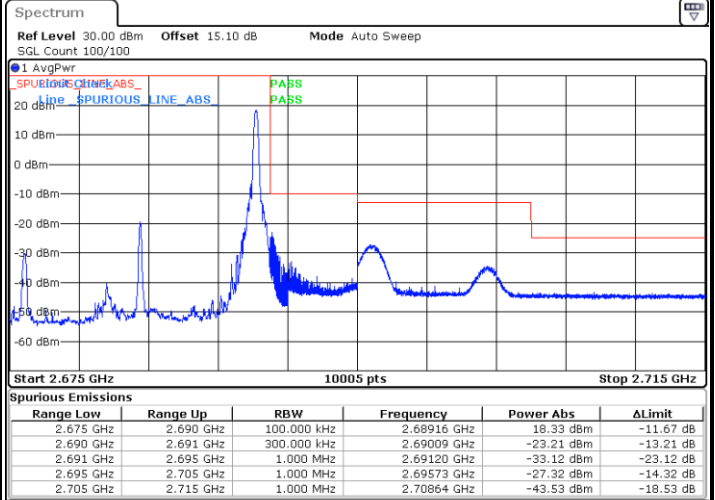
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



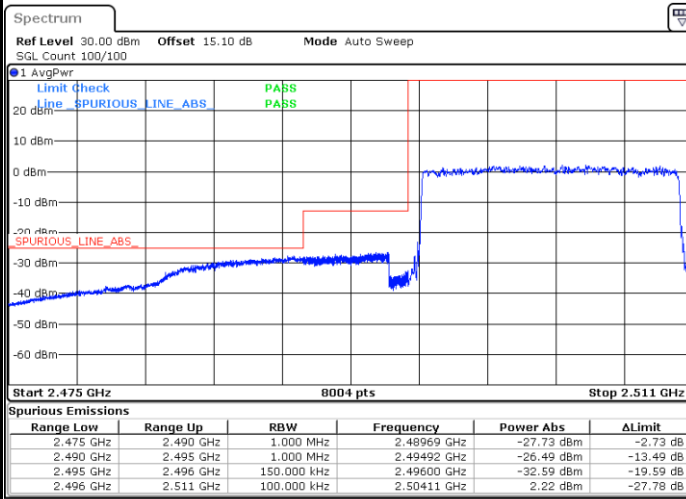
Date: 5 MAR 2020 14:58:35

Highest Band Edge / 1 RB



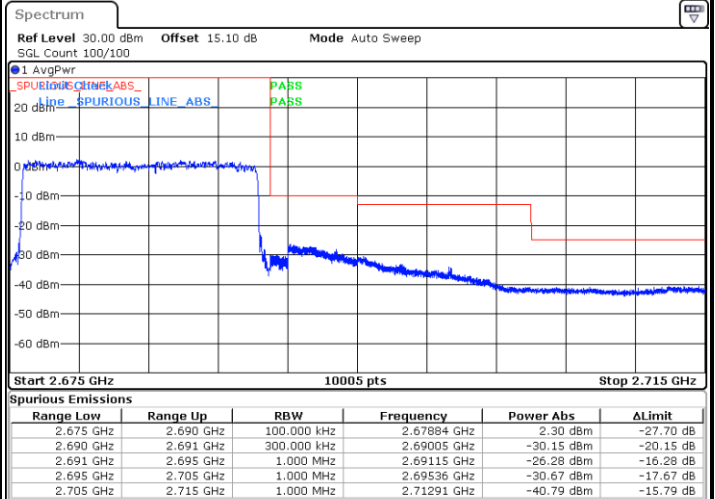
Date: 5 MAR 2020 15:03:56

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:01:16

Highest Band Edge / Full RB

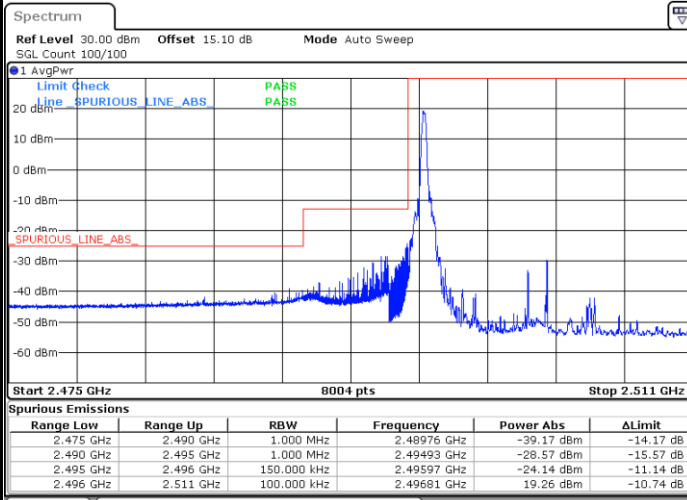


Date: 5 MAR 2020 15:06:36



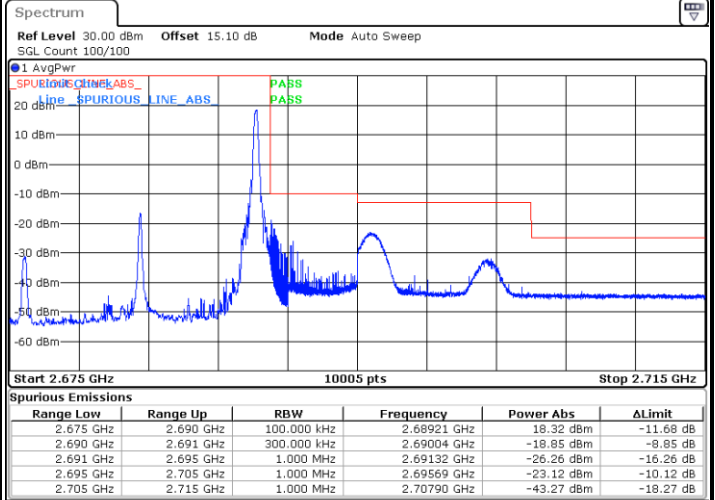
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



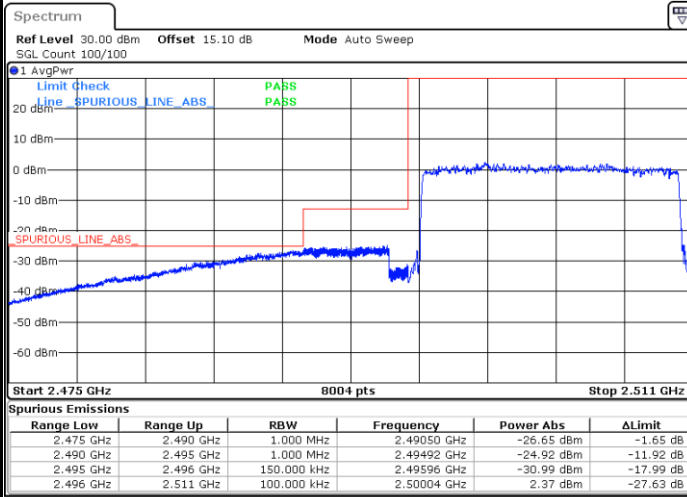
Date: 5 MAR 2020 14:59:55

Highest Band Edge / 1 RB



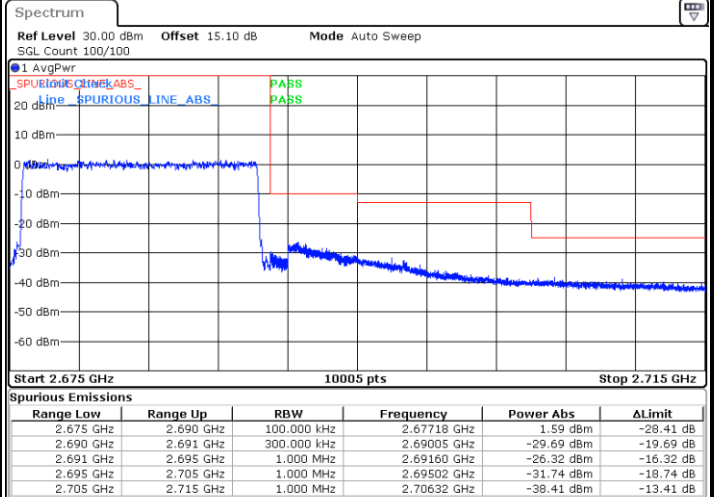
Date: 5 MAR 2020 15:05:16

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:02:36

Highest Band Edge / Full RB



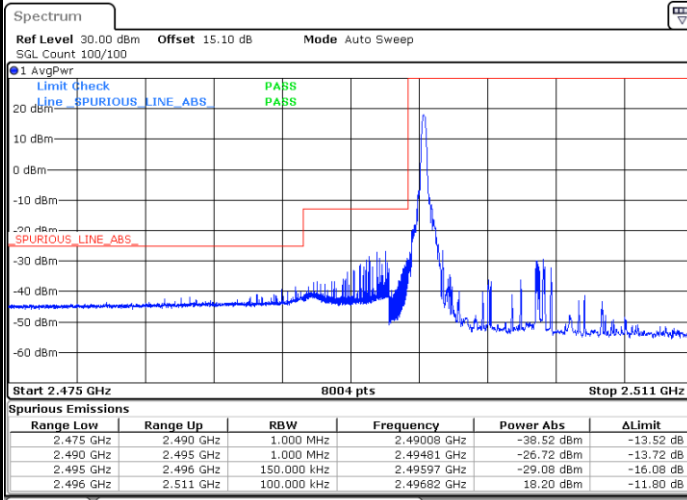
Date: 5 MAR 2020 15:07:55





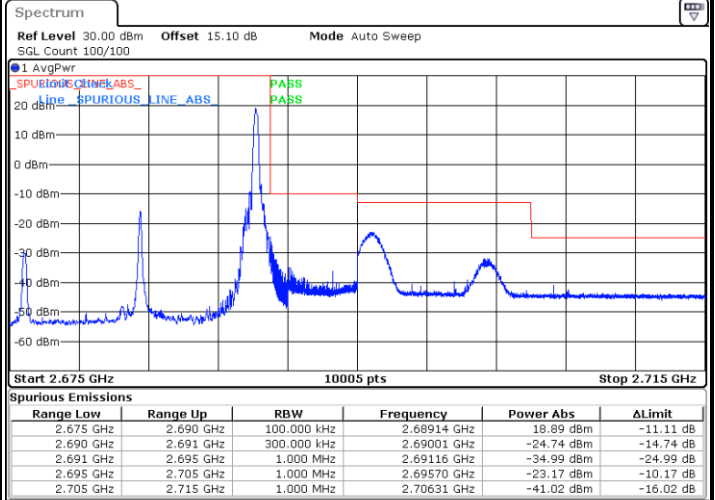
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



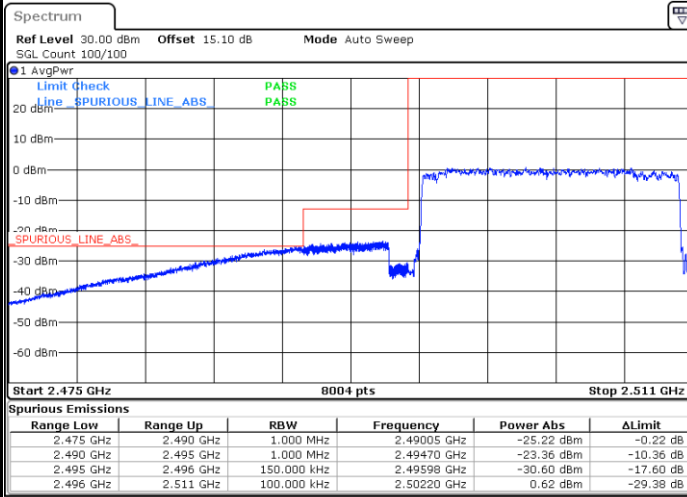
Date: 5 MAR 2020 14:53:15

Highest Band Edge / 1 RB



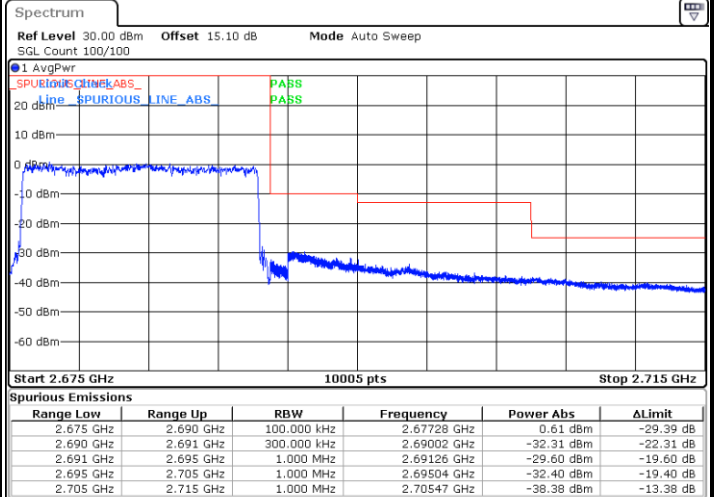
Date: 5 MAR 2020 14:55:55

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:54:35

Highest Band Edge / Full RB



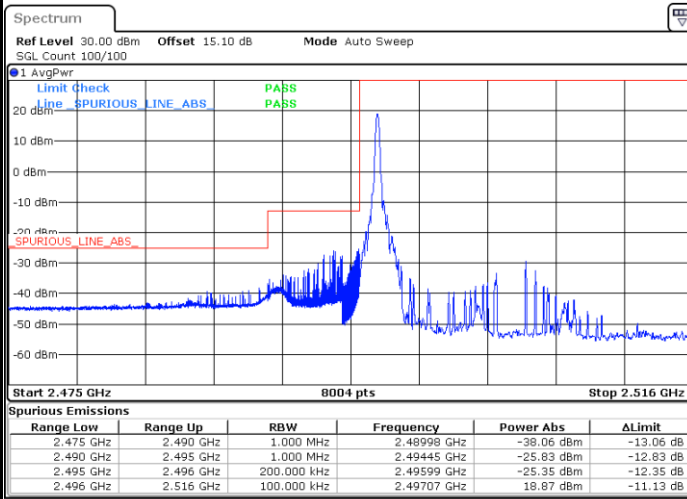
Date: 5 MAR 2020 14:57:15





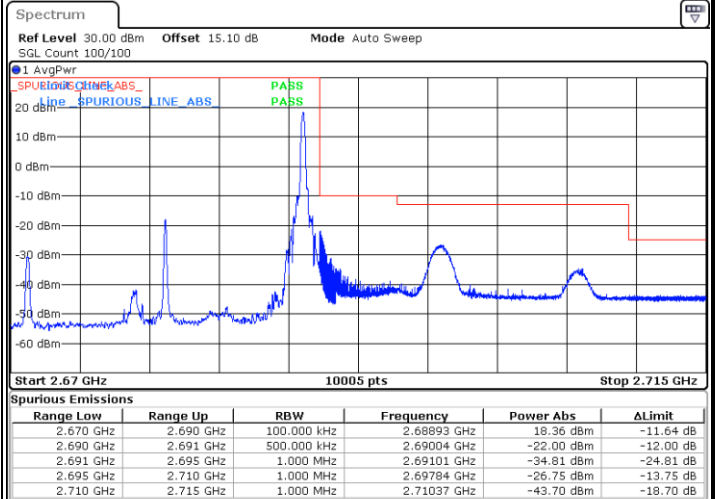
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



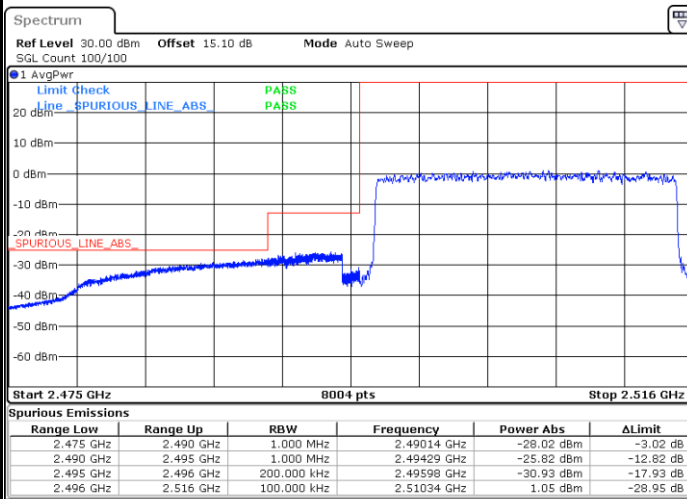
Date: 5 MAR 2020 15:09:16

Highest Band Edge / 1 RB



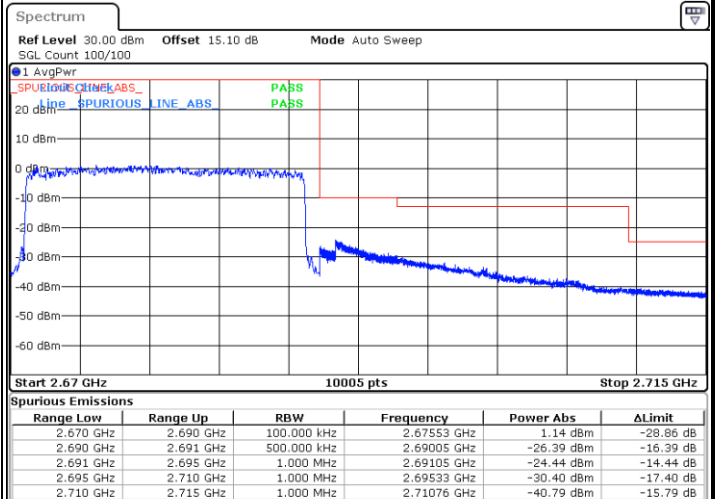
Date: 5 MAR 2020 15:14:38

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:11:57

Highest Band Edge / Full RB

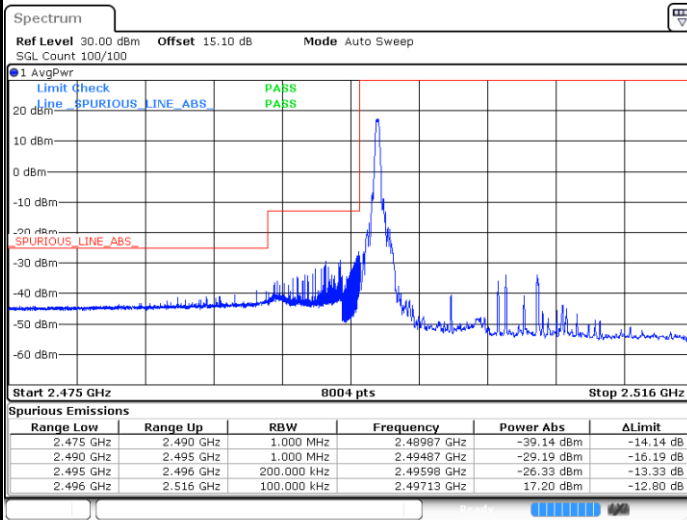


Date: 5 MAR 2020 15:18:36



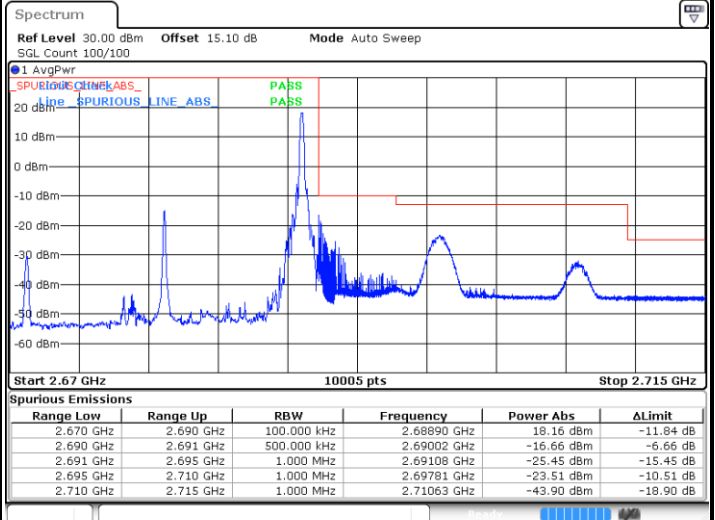
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



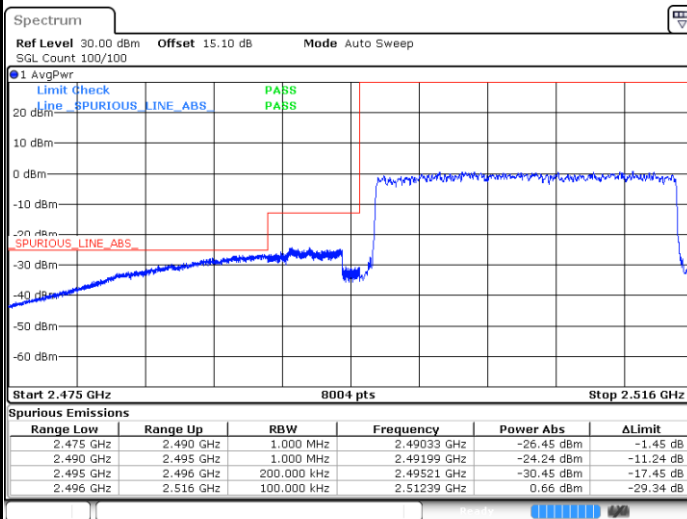
Date: 5 MAR 2020 15:10:36

Highest Band Edge / 1 RB



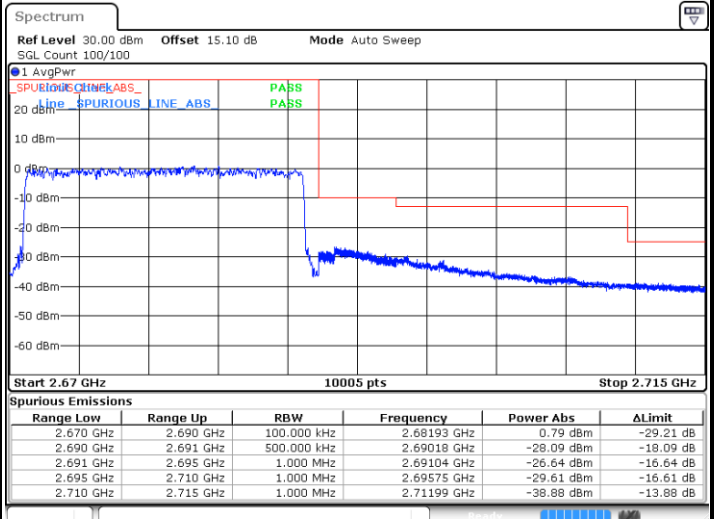
Date: 5 MAR 2020 15:15:57

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:13:17

Highest Band Edge / Full RB

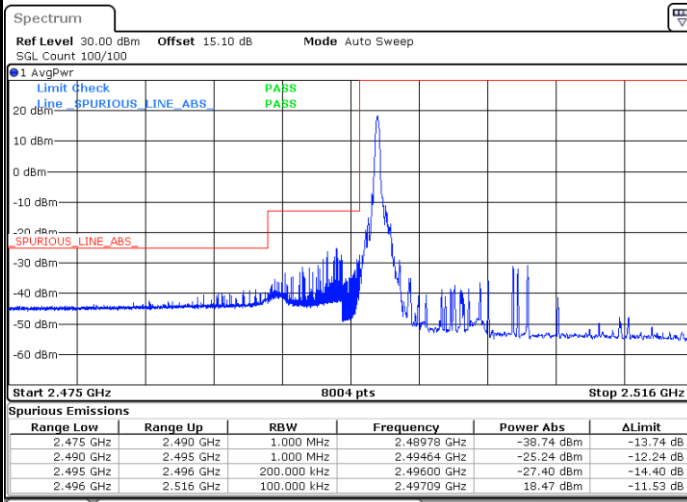


Date: 5 MAR 2020 15:17:17



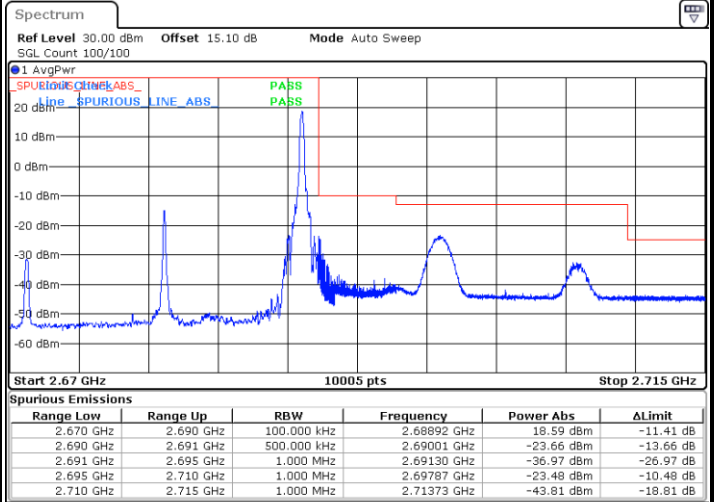
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



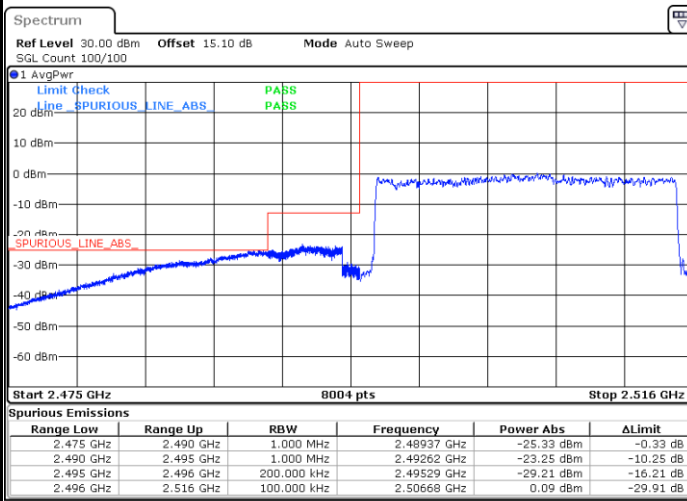
Date: 5 MAR 2020 15:19:56

Highest Band Edge / 1 RB



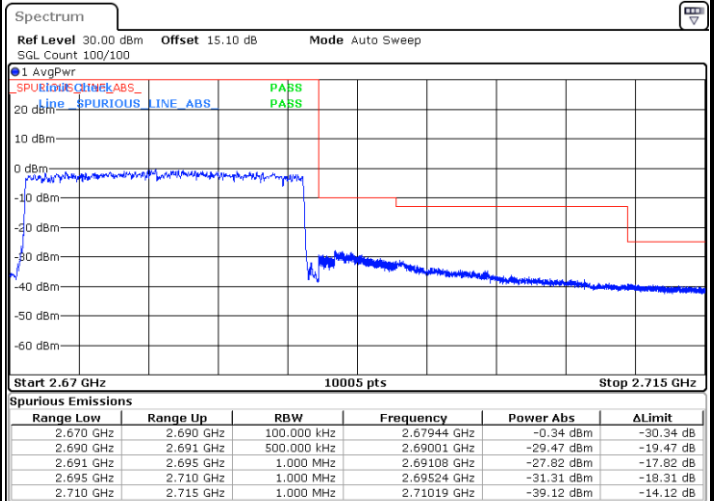
Date: 5 MAR 2020 15:22:37

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:21:17

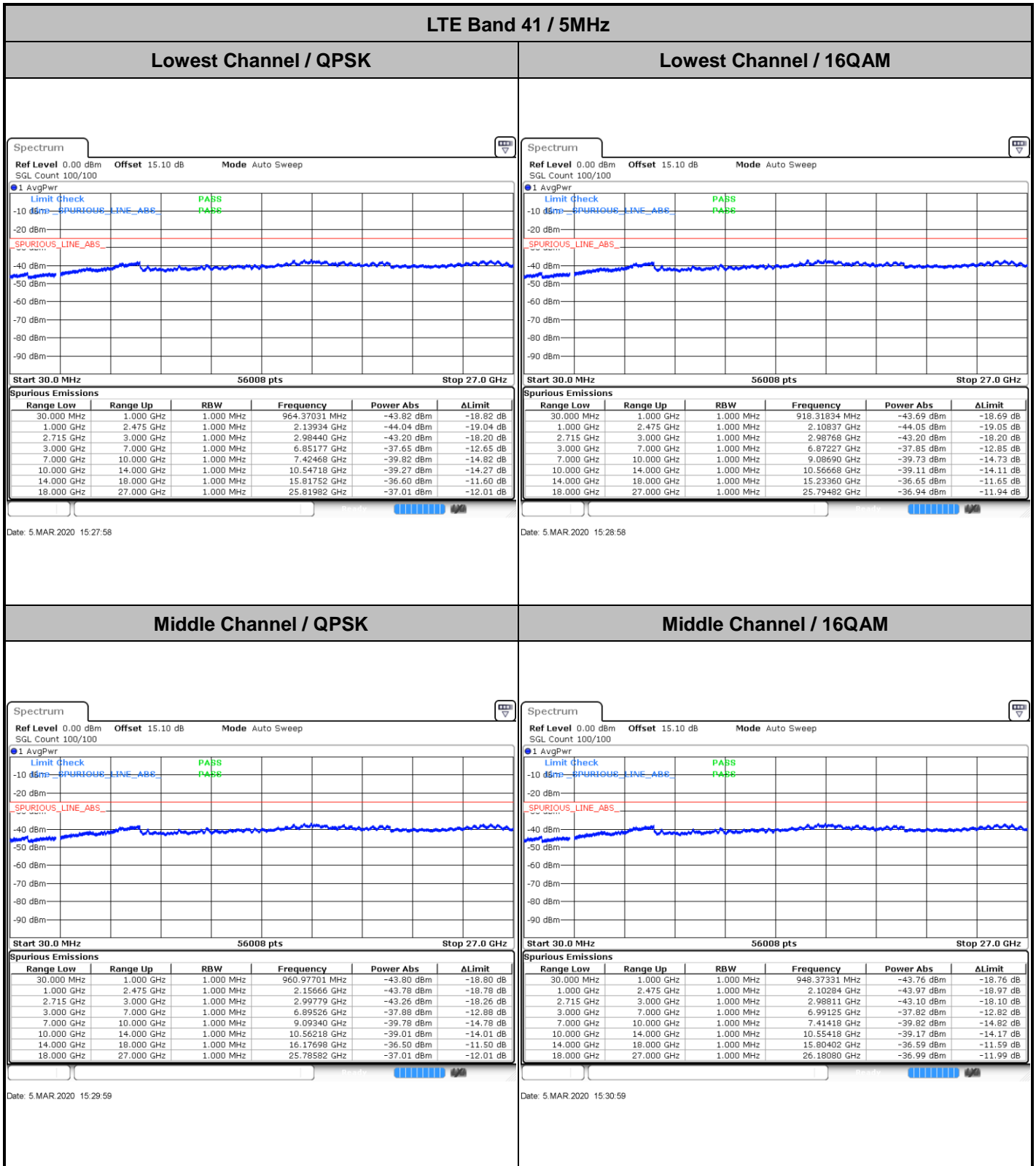
Highest Band Edge / Full RB



Date: 5 MAR 2020 15:23:56



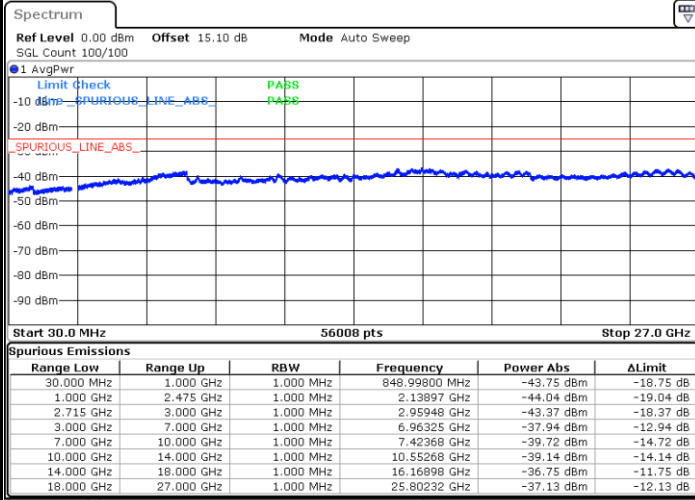
# Conducted Spurious Emission





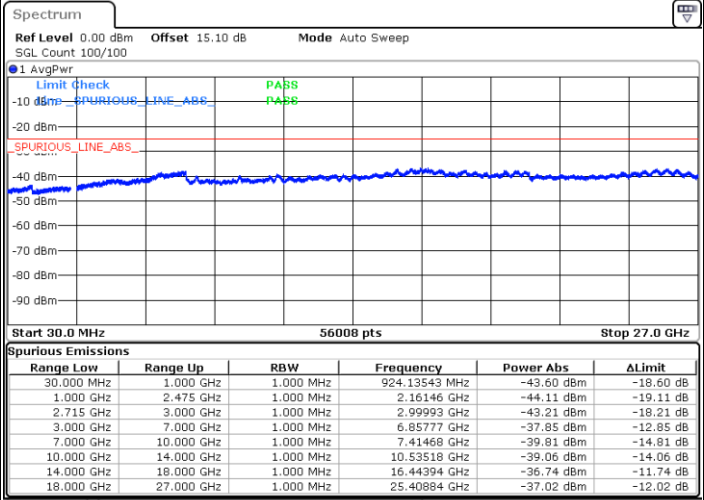
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 5 MAR 2020 15:31:59

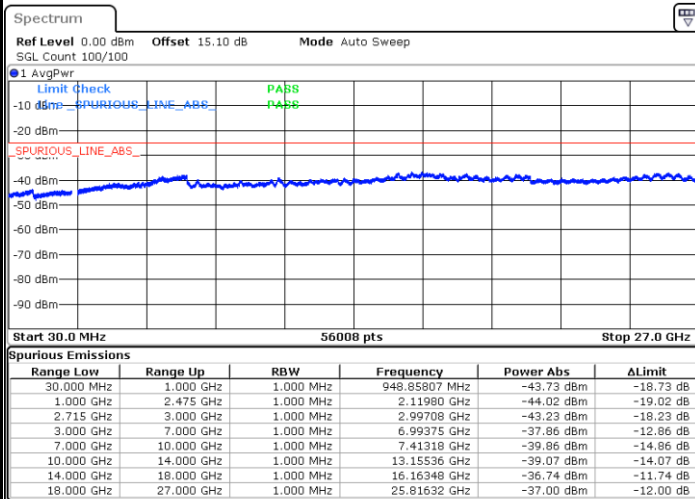
Highest Channel / 16QAM



Date: 5 MAR 2020 15:32:59

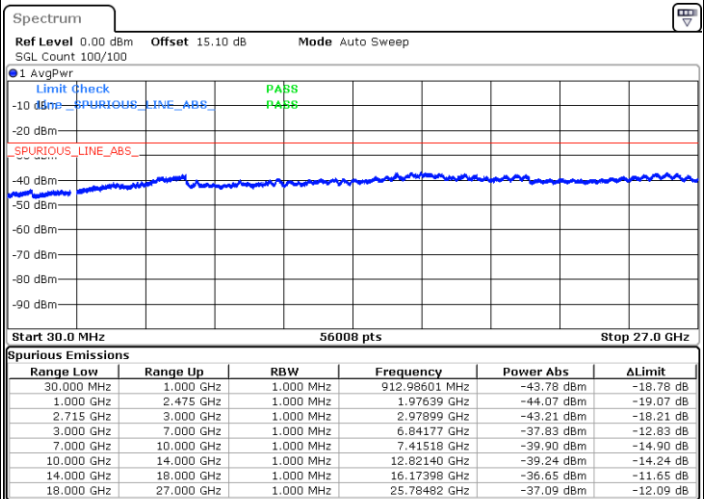
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 5 MAR 2020 15:37:02

Lowest Channel / 16QAM



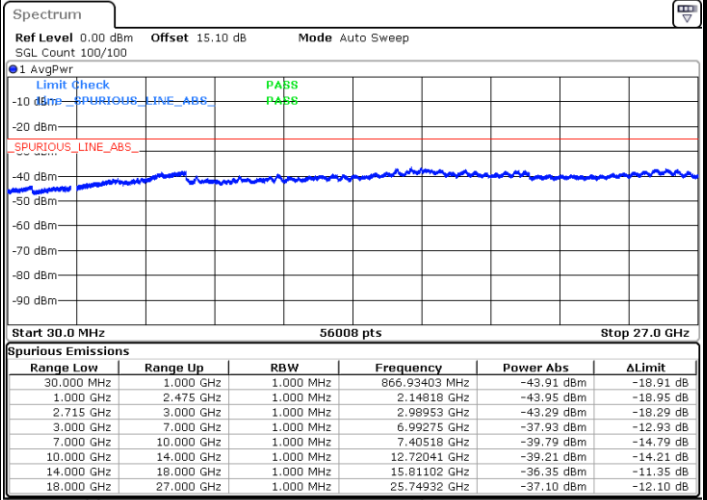
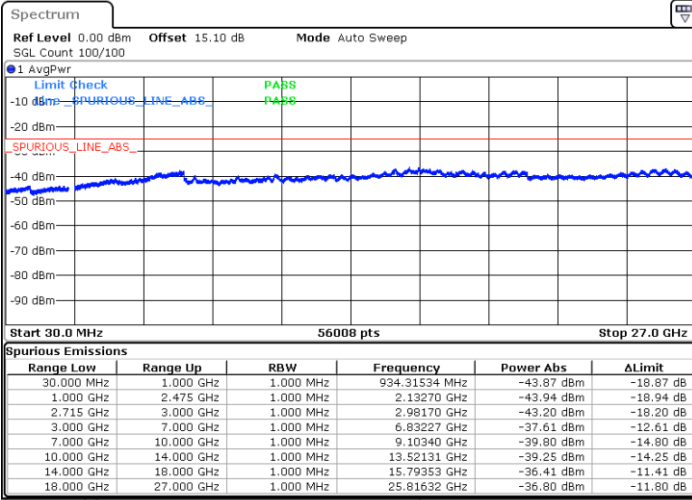
Date: 5 MAR 2020 15:38:02



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

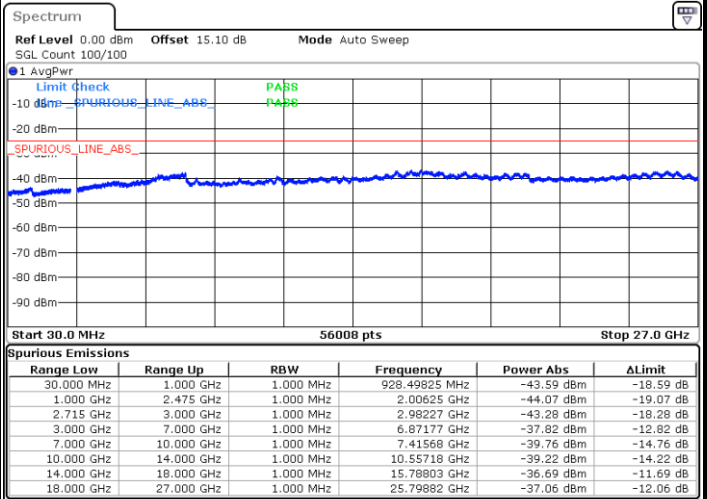
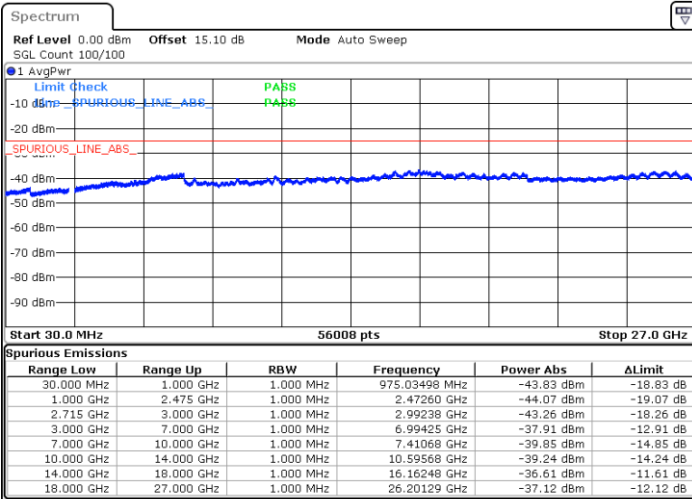


Date: 5 MAR 2020 15:39:02

Date: 5 MAR 2020 15:40:02

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 MAR 2020 15:41:03

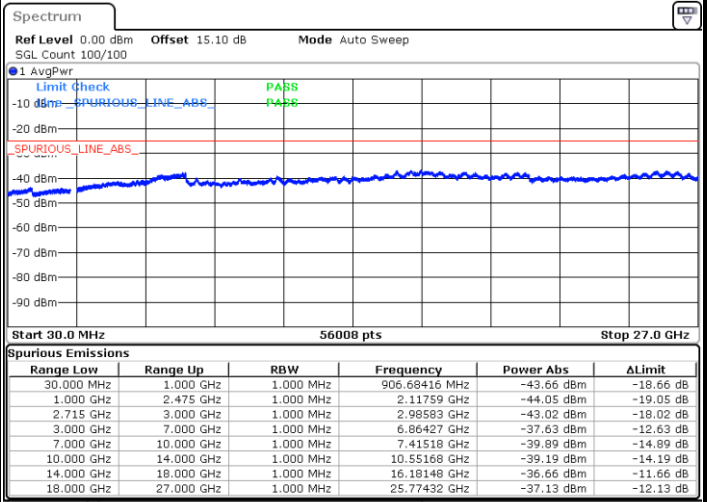
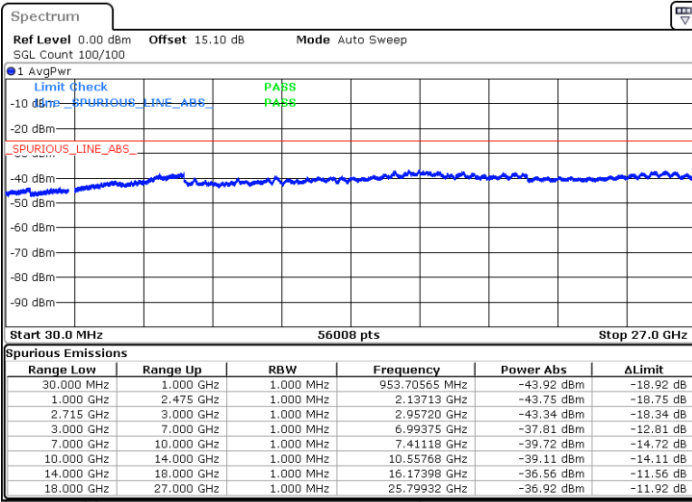
Date: 5 MAR 2020 15:42:03



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

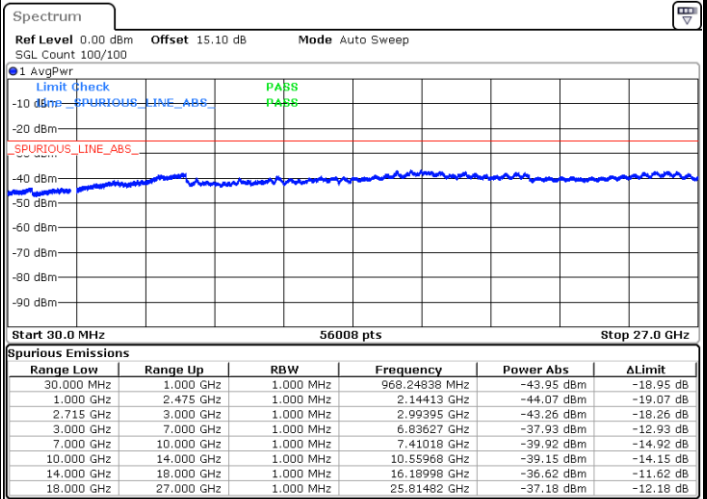
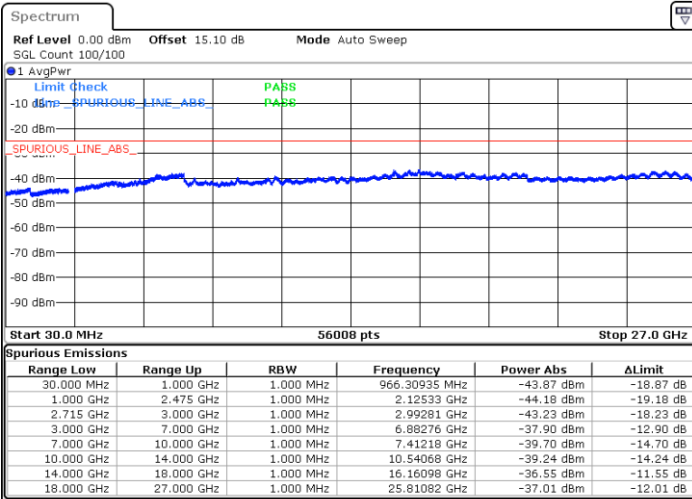


Date: 5 MAR 2020 15:43:04

Date: 5 MAR 2020 15:44:05

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 5 MAR 2020 15:45:05

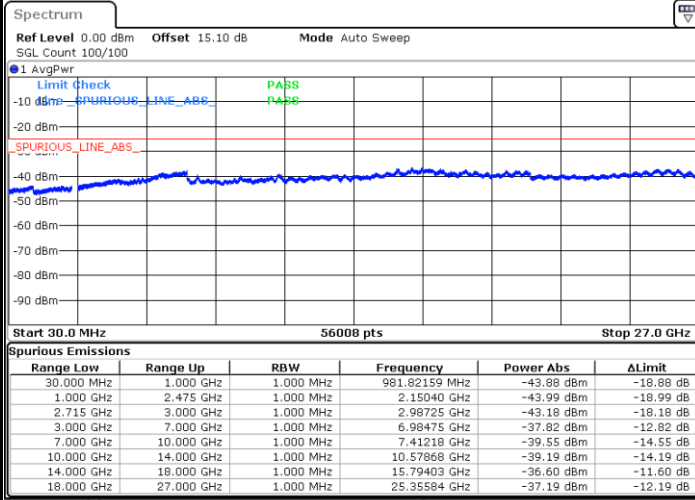
Date: 5 MAR 2020 15:46:05





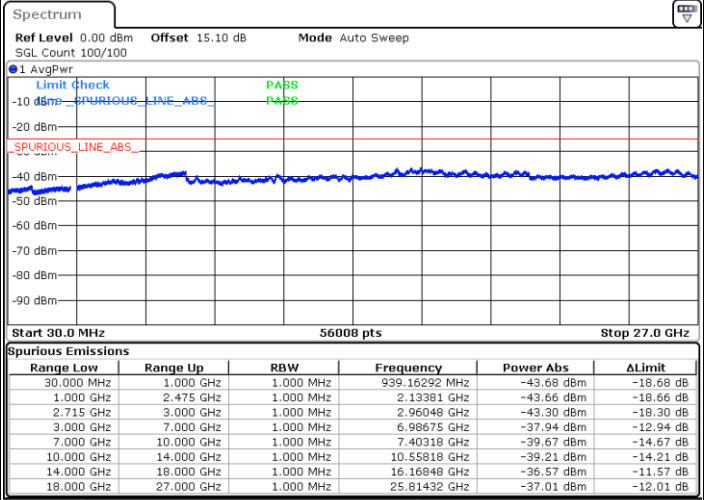
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 5 MAR 2020 15:47:05

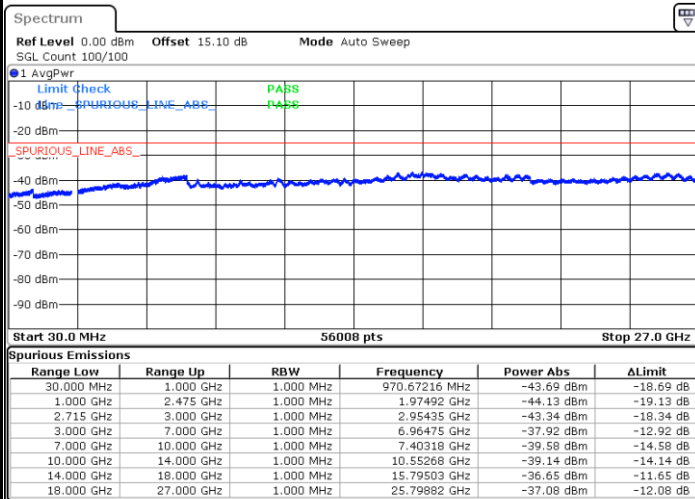
Highest Channel / 16QAM



Date: 5 MAR 2020 15:48:06

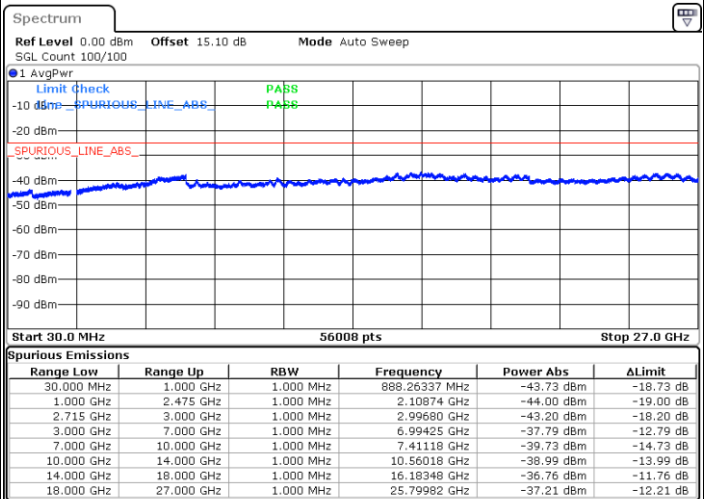
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 5 MAR 2020 15:55:09

Lowest Channel / 16QAM



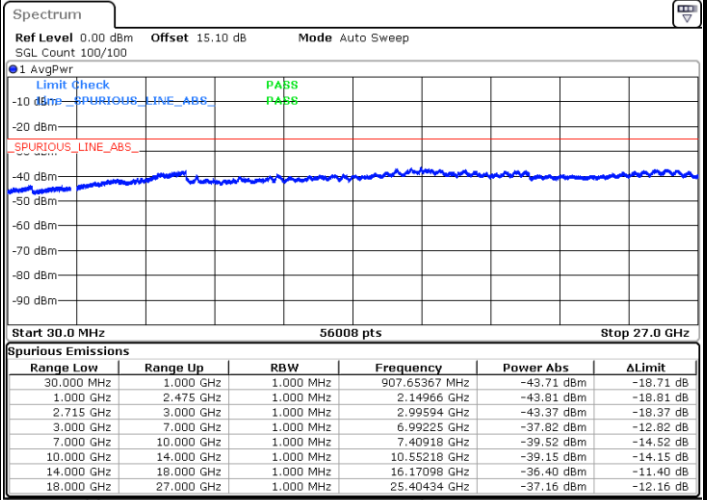
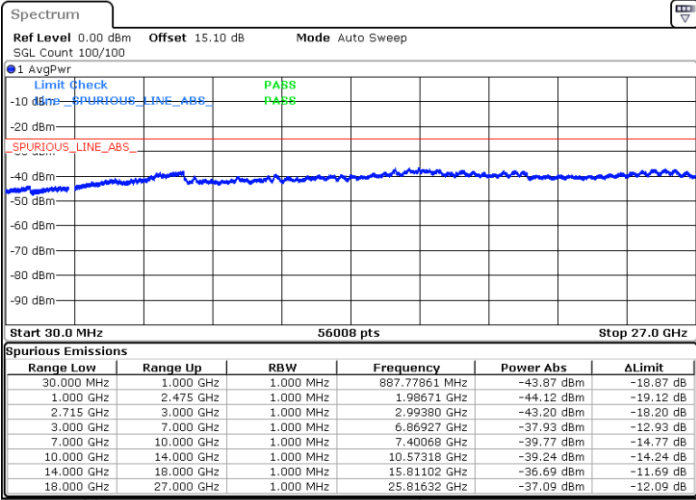
Date: 5 MAR 2020 15:56:10



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

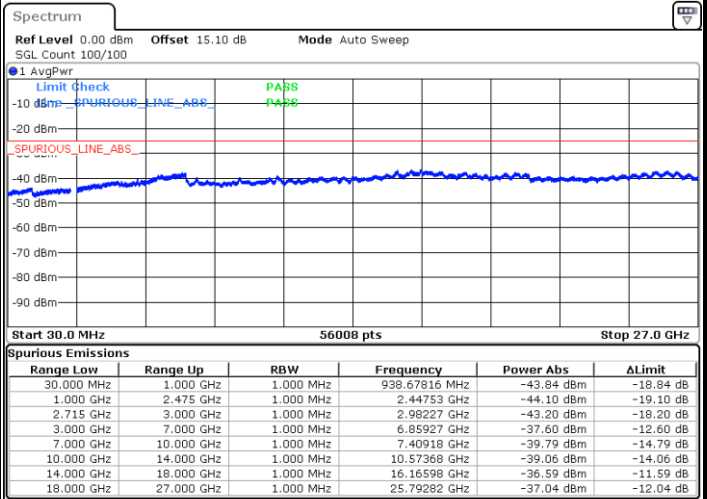
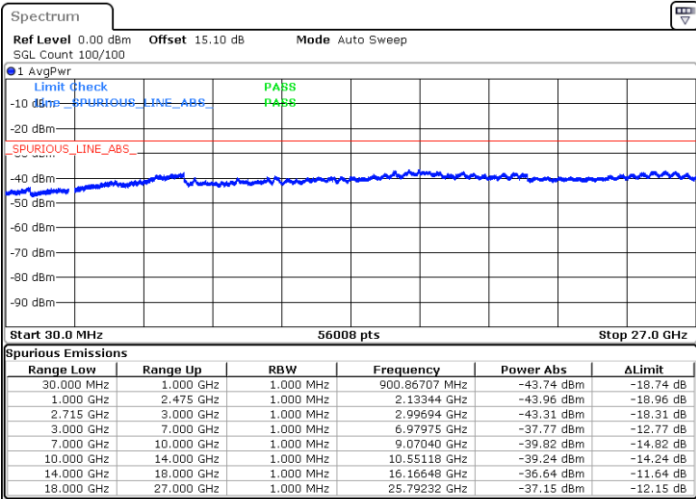


Date: 5 MAR 2020 15:57:10

Date: 5 MAR 2020 15:58:10

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 MAR 2020 15:59:10

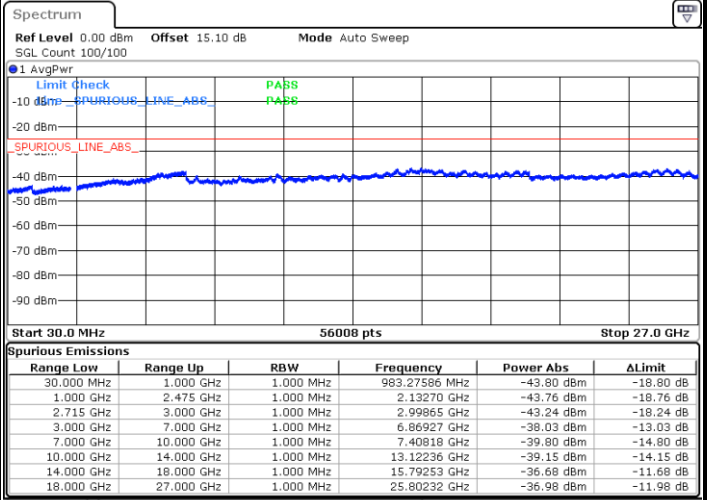
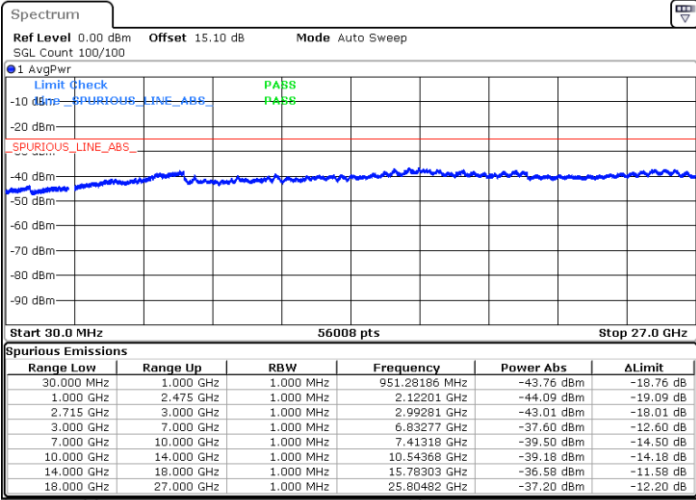
Date: 5 MAR 2020 16:00:11



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

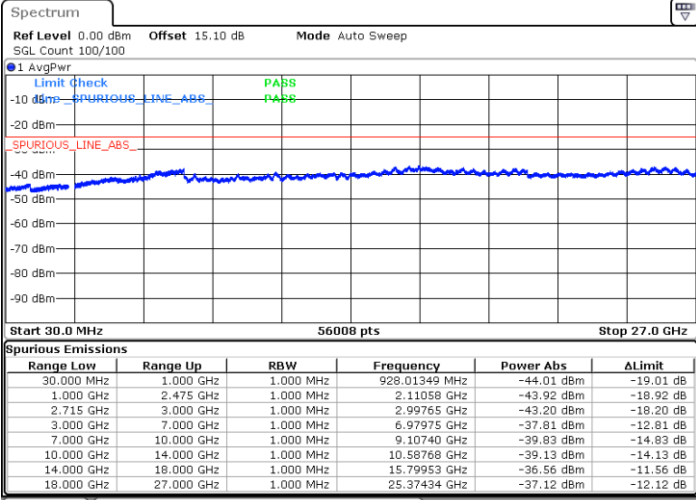
Middle Channel / 64QAM



Date: 5 MAR 2020 15:24:56

Date: 5 MAR 2020 15:25:57

Highest Channel / 64QAM



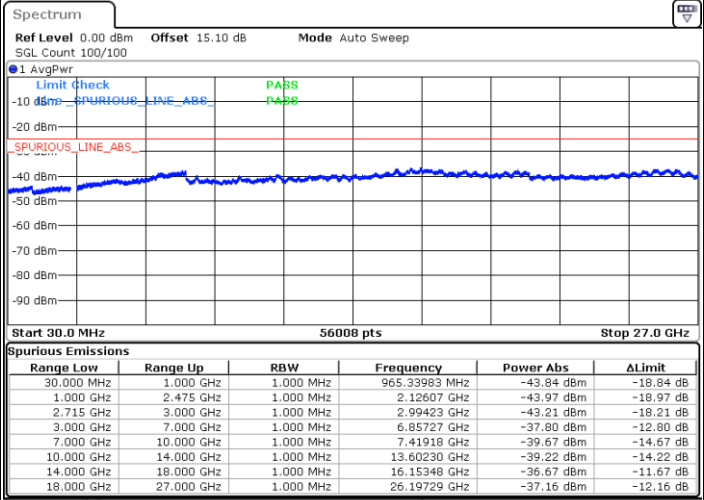
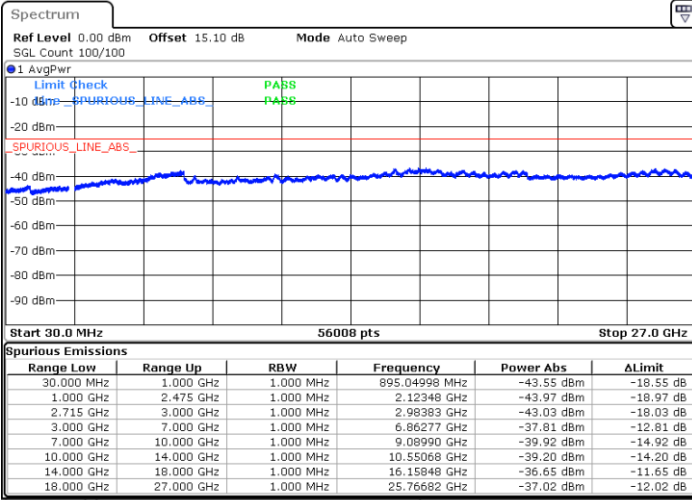
Date: 5 MAR 2020 15:26:57



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

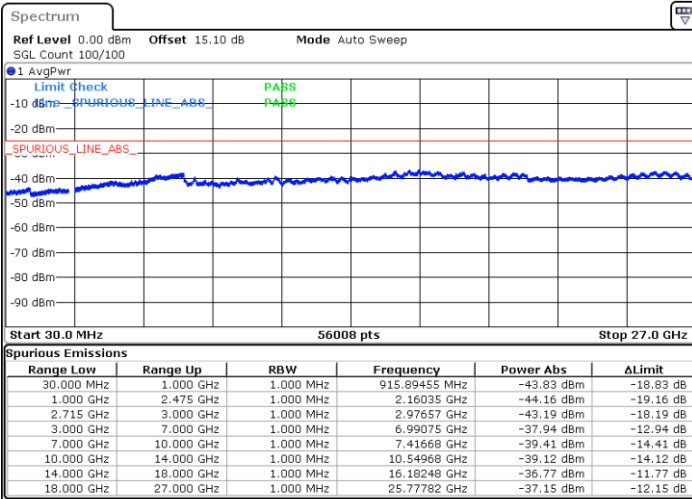
Middle Channel / 64QAM



Date: 5 MAR 2020 15:34:01

Date: 5 MAR 2020 15:35:01

Highest Channel / 64QAM



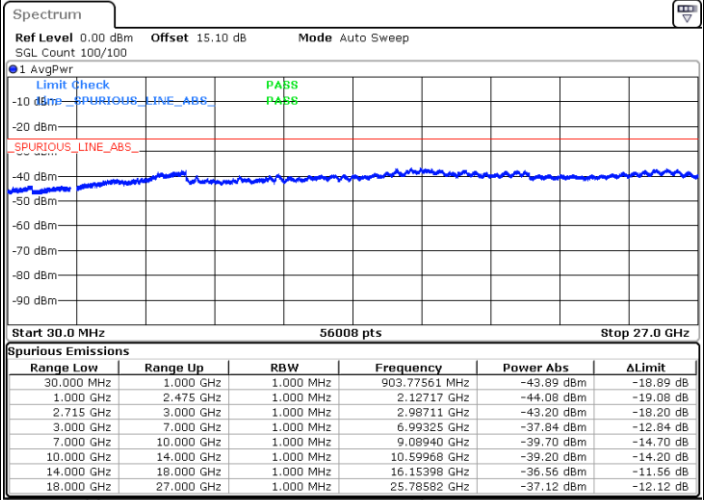
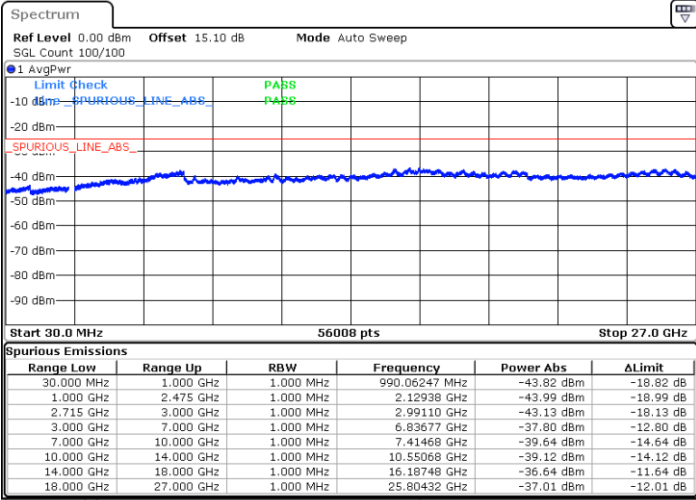
Date: 5 MAR 2020 15:36:01



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

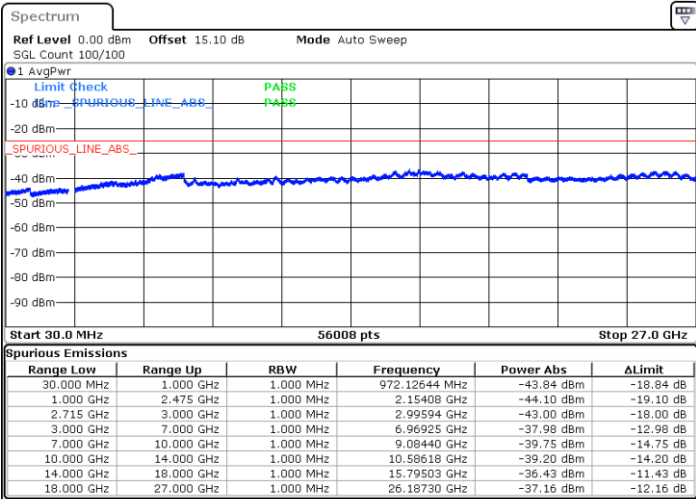
Middle Channel / 64QAM



Date: 5 MAR 2020 15:49:07

Date: 5 MAR 2020 15:50:07

Highest Channel / 64QAM



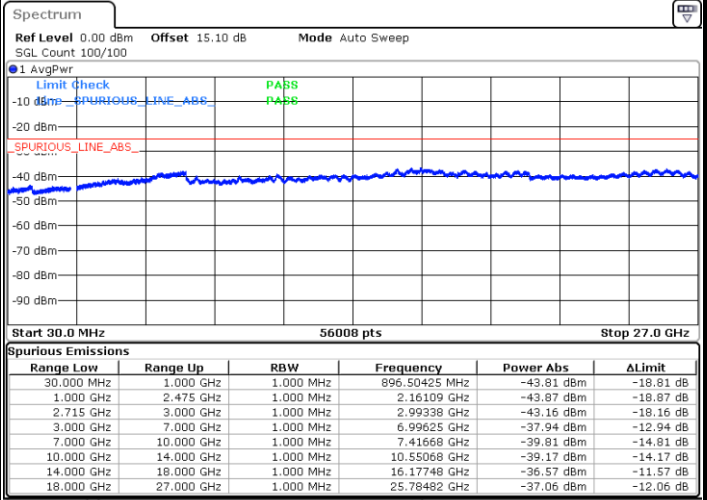
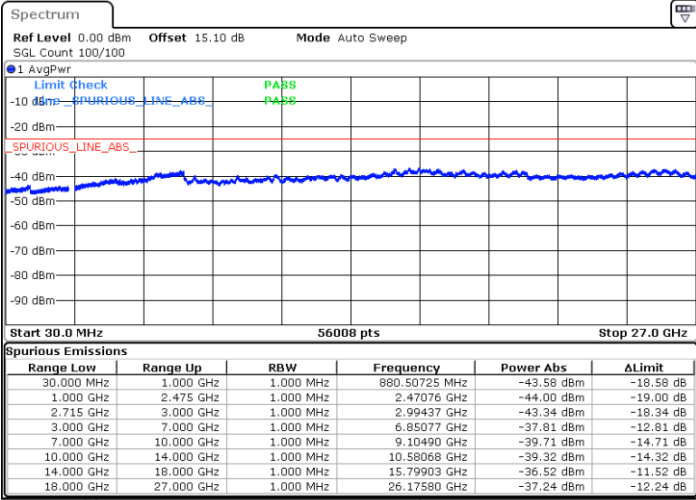
Date: 5 MAR 2020 15:51:07



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

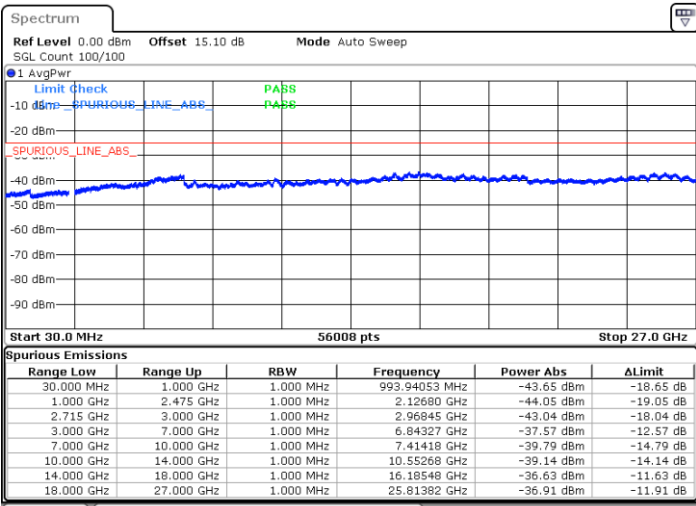
Middle Channel / 64QAM



Date: 5 MAR 2020 15:52:08

Date: 5 MAR 2020 15:53:08

Highest Channel / 64QAM



Date: 5 MAR 2020 15:54:09



**Frequency Stability**

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0124                              | PASS    |
| 40               | Normal Voltage    | 0.0116                              |         |
| 30               | Normal Voltage    | 0.0109                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0102                              |         |
| 0                | Normal Voltage    | 0.0171                              |         |
| -10              | Normal Voltage    | 0.0130                              |         |
| -20              | Normal Voltage    | 0.0075                              |         |
| -30              | Normal Voltage    | 0.0093                              |         |
| 20               | Maximum Voltage   | 0.0021                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0101                              |         |

**Note:**

- 1. Normal Voltage =3.8 V. : Battery End Point (BEP) =3.4 V. : Maximum Voltage =4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.





## LTE Band 66

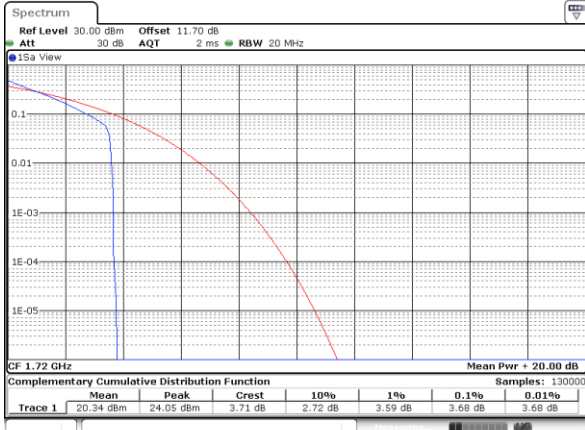
### Peak-to-Average Ratio

| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.68                | 4.78    | 4.61  | 5.80    | PASS        |
| Middle CH  | 3.74                | 4.93    | 4.52  | 5.86    |             |
| Highest CH | 3.59                | 4.96    | 5.16  | 5.77    |             |
| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.35                | 6.35    | -     | -       | PASS        |
| Middle CH  | 6.29                | 6.49    | -     | -       |             |
| Highest CH | 6.64                | 6.46    | -     | -       |             |



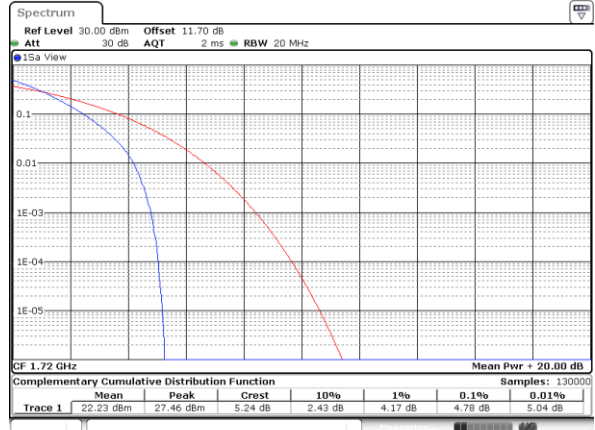
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



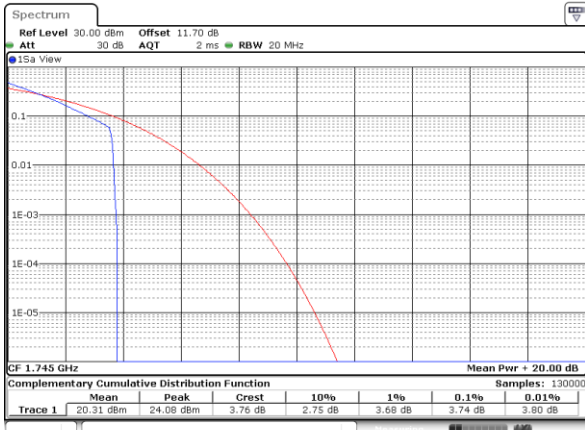
Date: 11.FEB.2020 07:18:01

Lowest Channel / Full RB



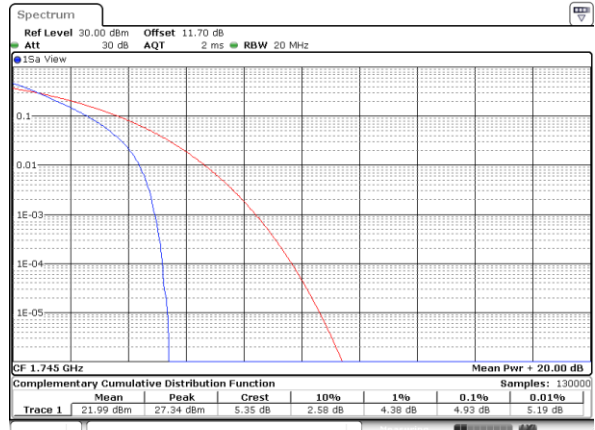
Date: 11.FEB.2020 07:18:15

Middle Channel / 1RB



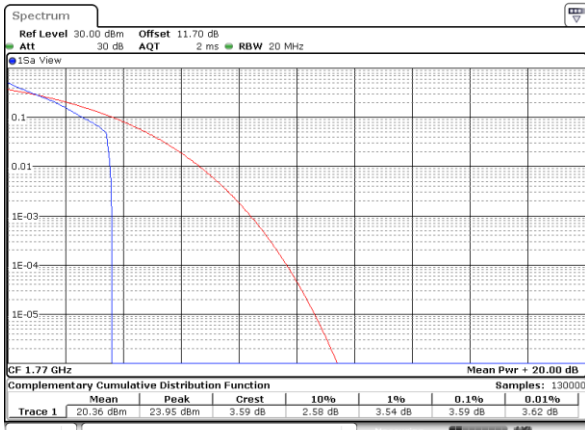
Date: 11.FEB.2020 07:18:28

Middle Channel / Full RB



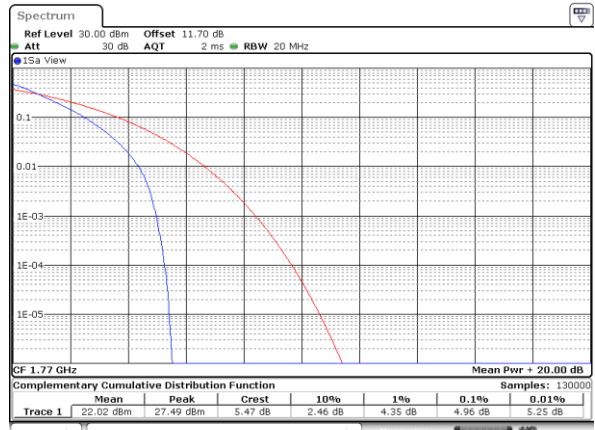
Date: 11.FEB.2020 07:18:42

Highest Channel / 1RB



Date: 11.FEB.2020 07:18:57

Highest Channel / Full RB

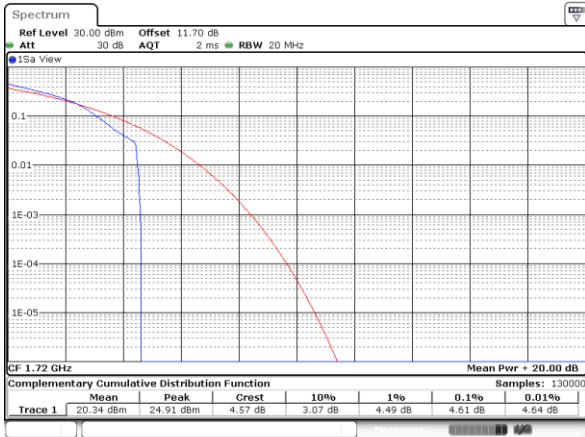


Date: 11.FEB.2020 07:19:11



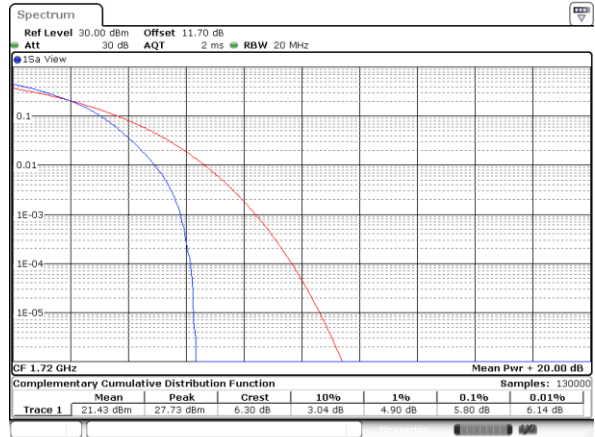
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



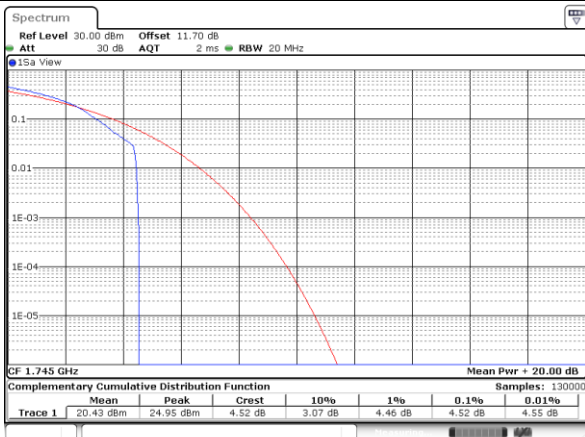
Date: 11.FEB.2020 07:16:33

Lowest Channel / Full RB



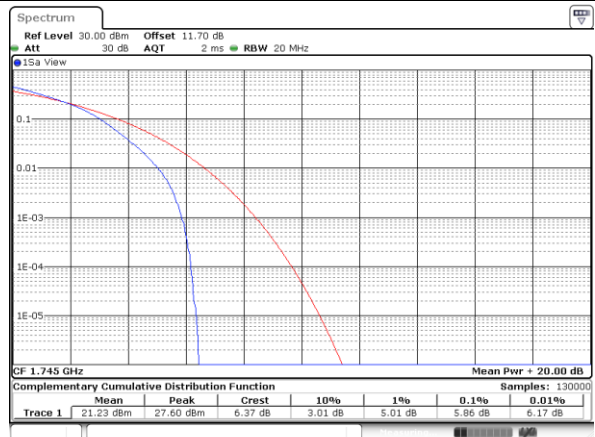
Date: 11.FEB.2020 07:16:48

Middle Channel / 1RB



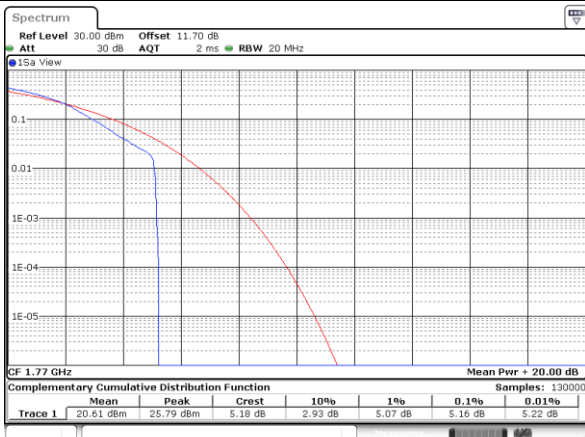
Date: 11.FEB.2020 07:17:03

Middle Channel / Full RB



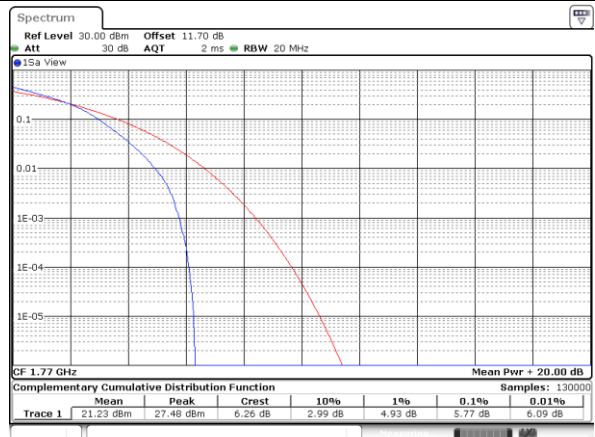
Date: 11.FEB.2020 07:17:18

Highest Channel / 1RB



Date: 11.FEB.2020 07:17:31

Highest Channel / Full RB



Date: 11.FEB.2020 07:17:47