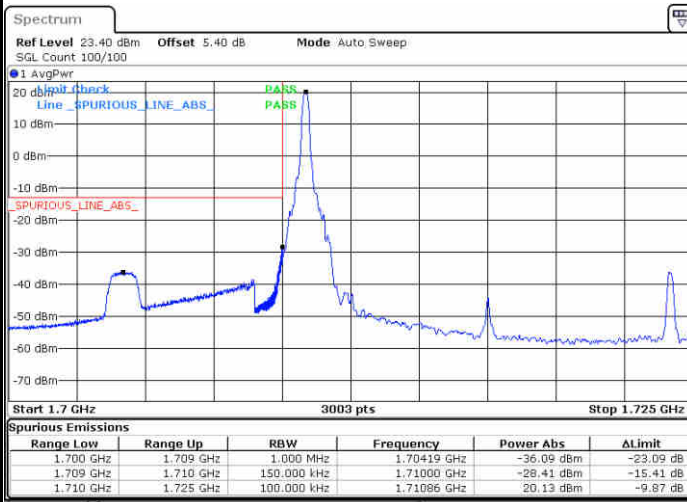




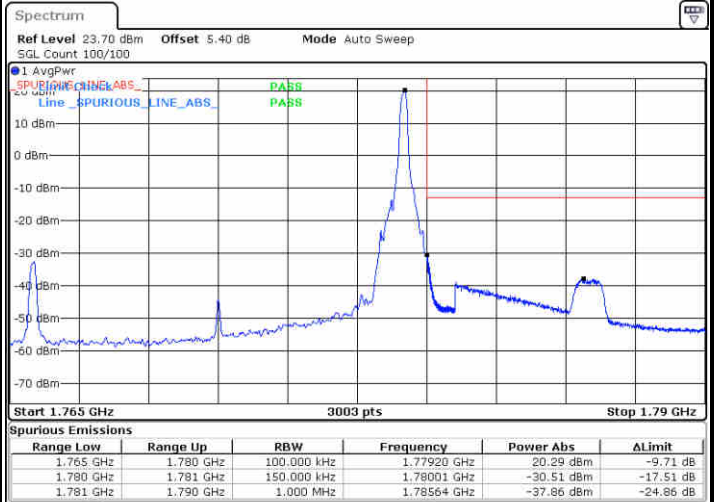
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



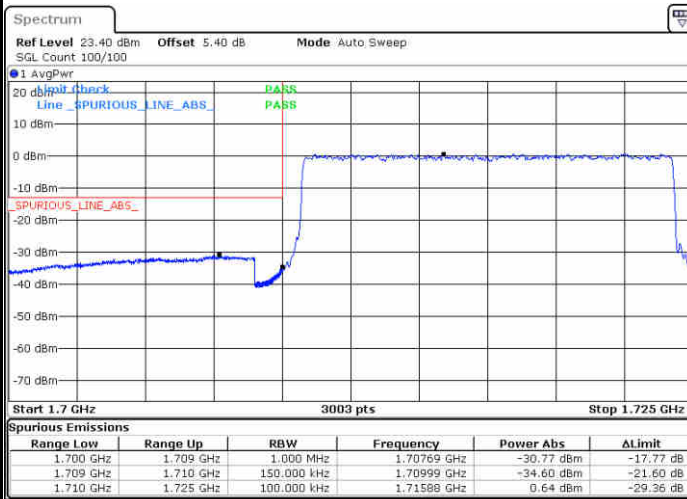
Date: 14.FEB.2020 17:53:14

Highest Band Edge / 1 RB



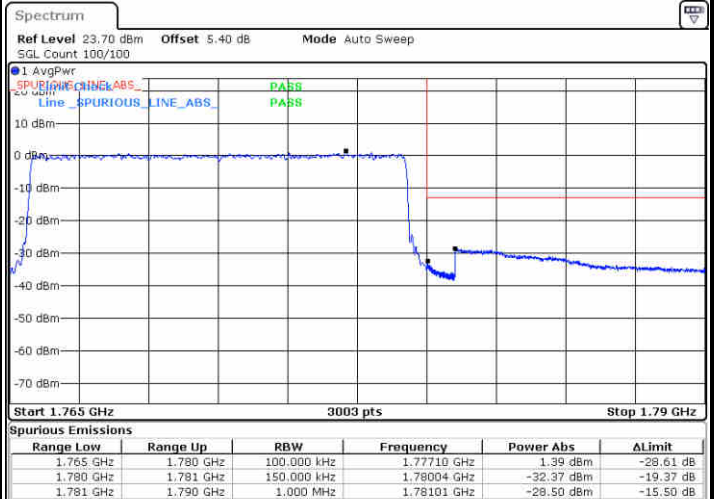
Date: 14.FEB.2020 17:56:34

Lowest Band Edge / Full RB



Date: 14.FEB.2020 17:54:58

Highest Band Edge / Full RB

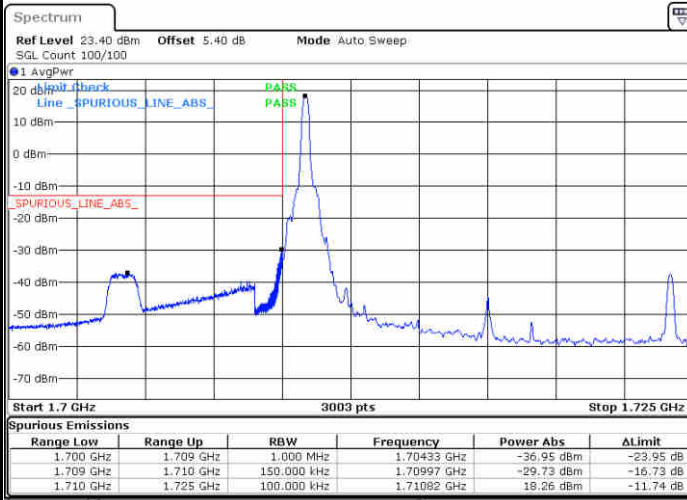


Date: 14.FEB.2020 17:57:34



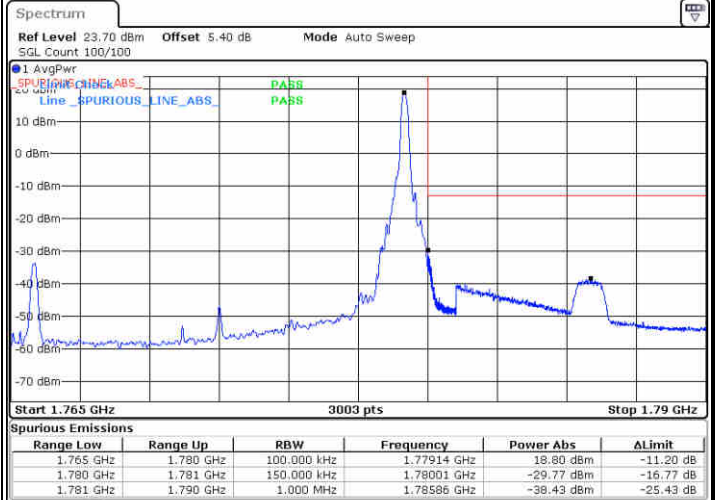
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



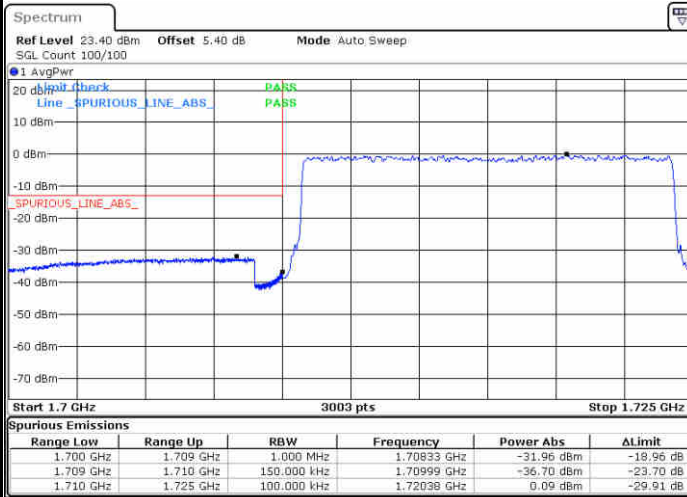
Date: 14.FEB.2020 17:53:51

Highest Band Edge / 1 RB



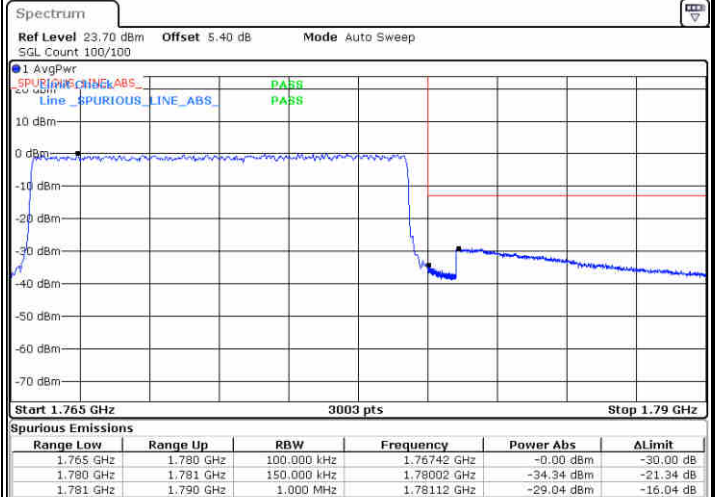
Date: 14.FEB.2020 17:56:49

Lowest Band Edge / Full RB



Date: 14.FEB.2020 17:55:25

Highest Band Edge / Full RB

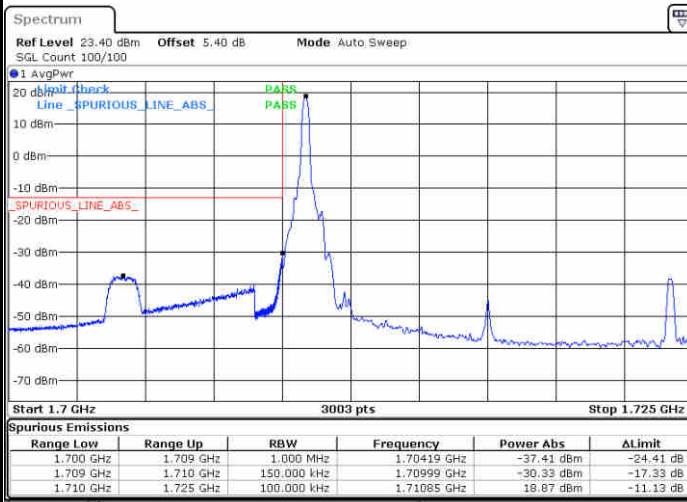


Date: 14.FEB.2020 17:57:55



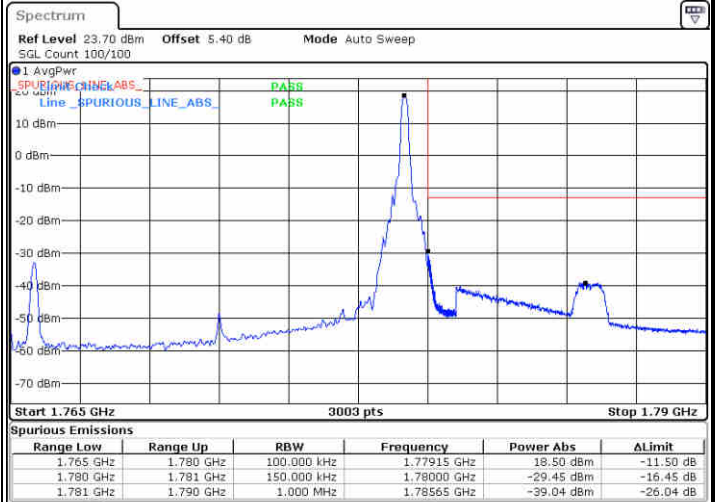
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



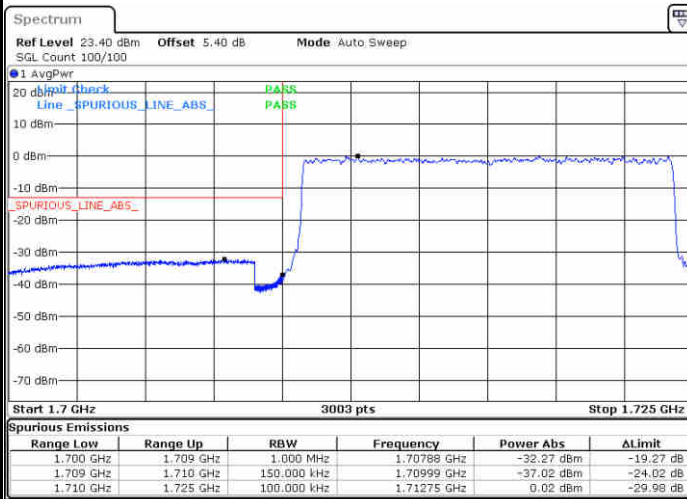
Date: 14.FEB.2020 17:54:14

Highest Band Edge / 1 RB



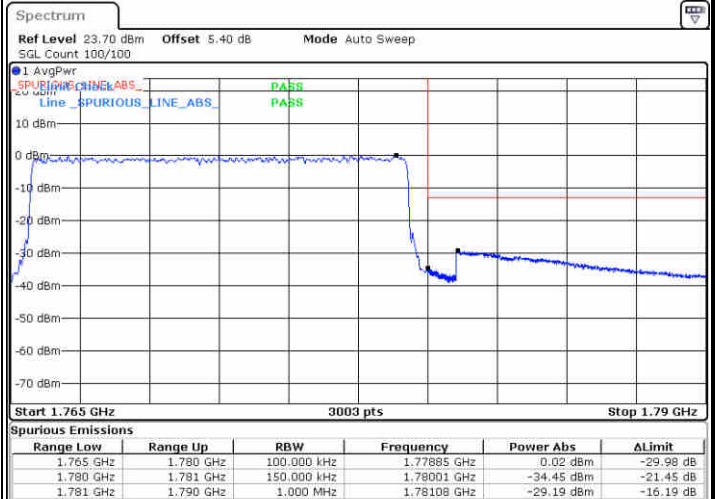
Date: 14.FEB.2020 17:57:03

Lowest Band Edge / Full RB



Date: 14.FEB.2020 17:55:58

Highest Band Edge / Full RB

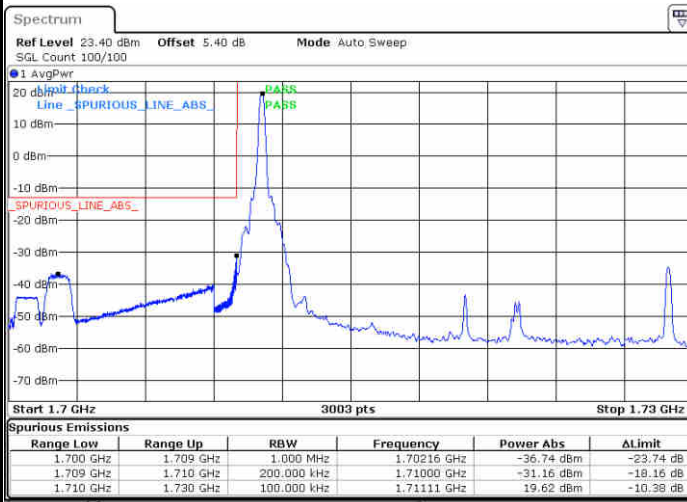


Date: 14.FEB.2020 17:59:51



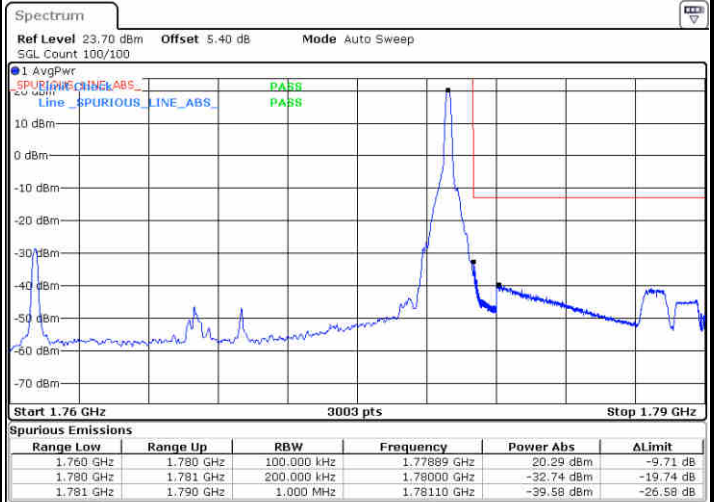
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



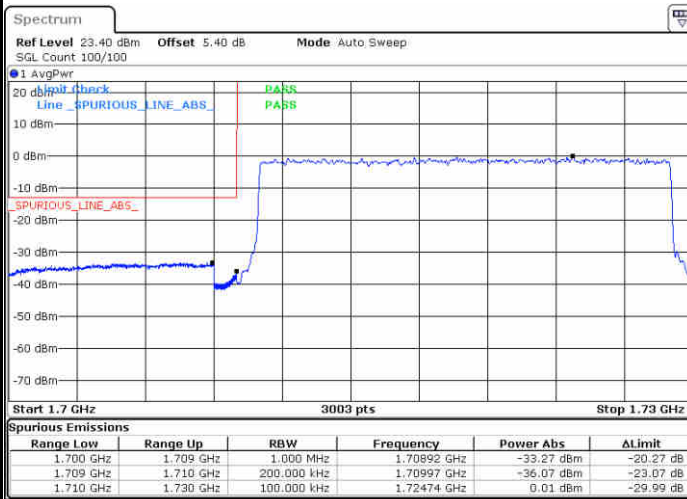
Date: 14.FEB.2020 18:20:39

Highest Band Edge / 1 RB



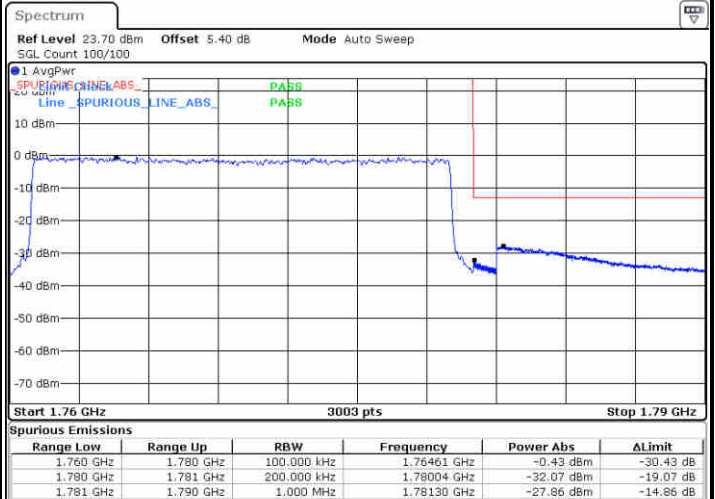
Date: 14.FEB.2020 18:23:28

Lowest Band Edge / Full RB



Date: 14.FEB.2020 18:21:44

Highest Band Edge / Full RB

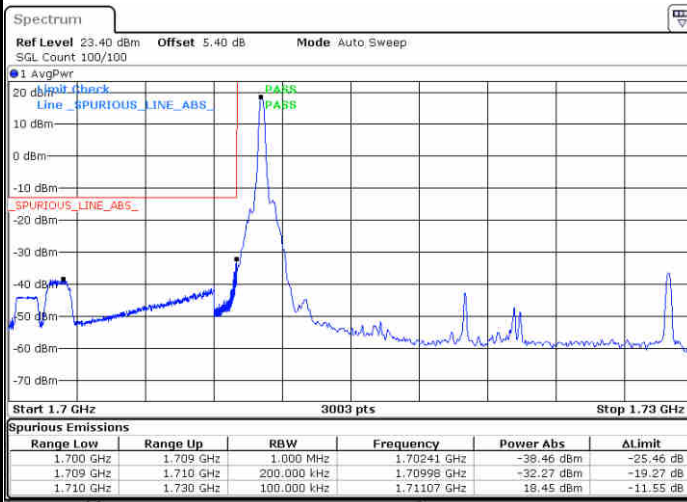


Date: 14.FEB.2020 18:24:31



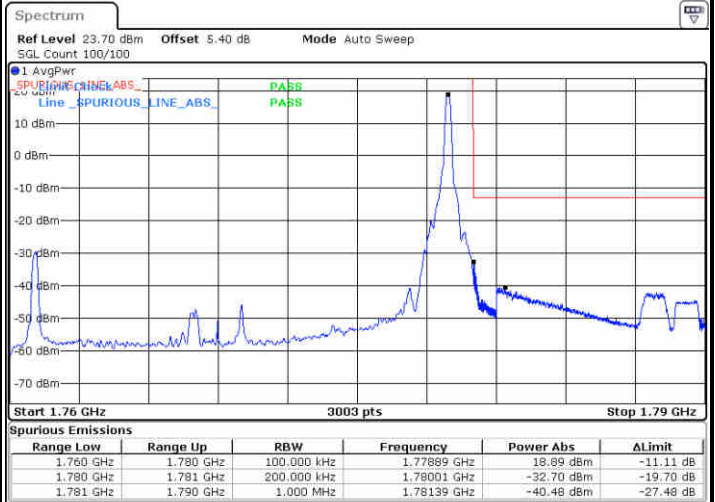
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



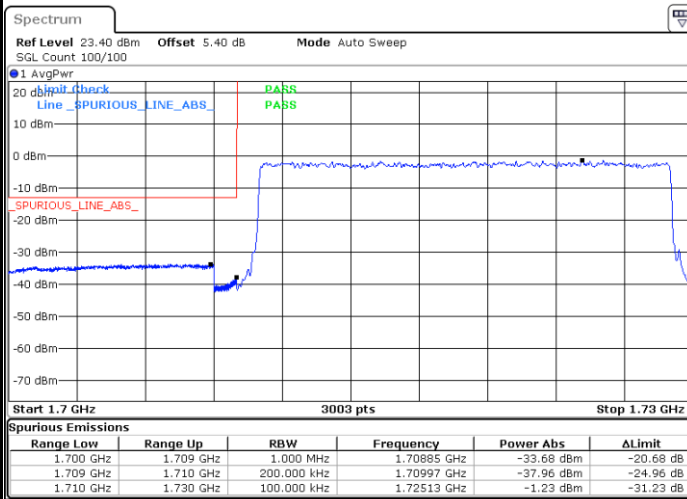
Date: 14.FEB.2020 18:20:58

Highest Band Edge / 1 RB



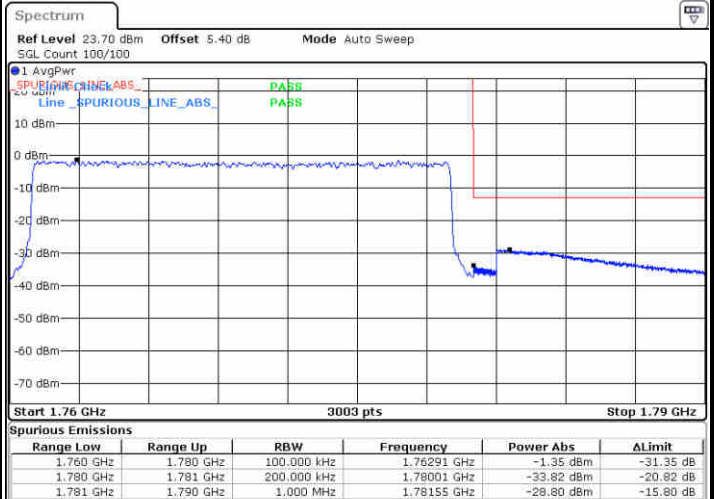
Date: 14.FEB.2020 18:23:48

Lowest Band Edge / Full RB



Date: 14.FEB.2020 18:22:03

Highest Band Edge / Full RB

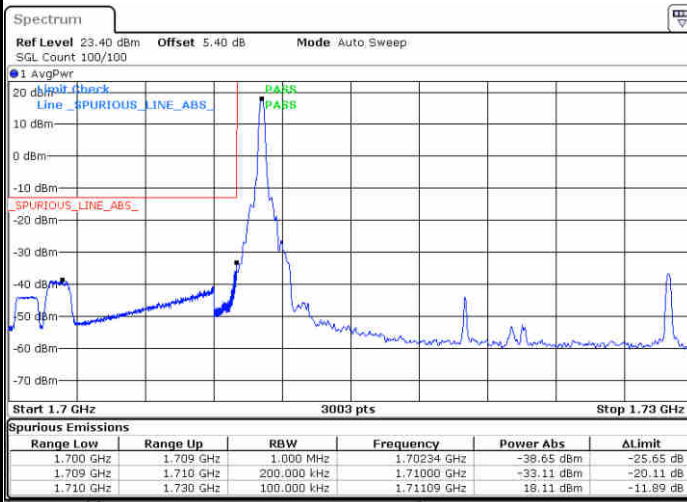


Date: 14.FEB.2020 18:24:47



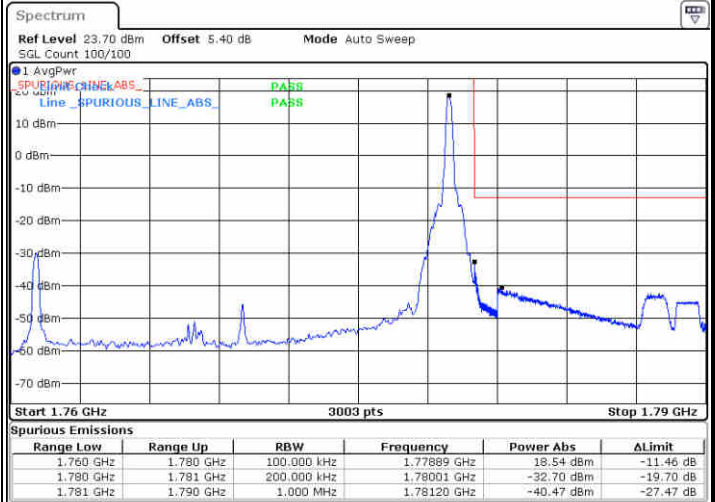
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



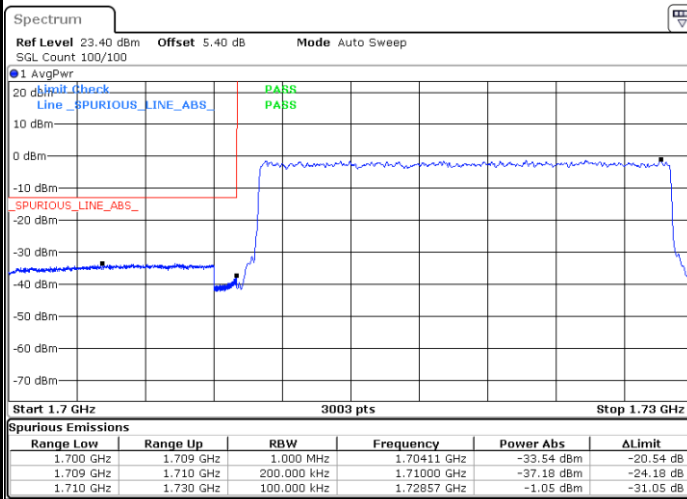
Date: 14.FEB.2020 18:21:18

Highest Band Edge / 1 RB



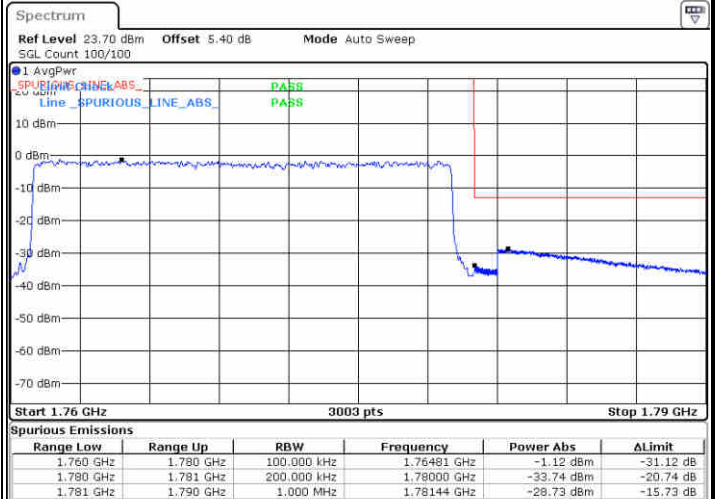
Date: 14.FEB.2020 18:24:01

Lowest Band Edge / Full RB



Date: 14.FEB.2020 18:22:24

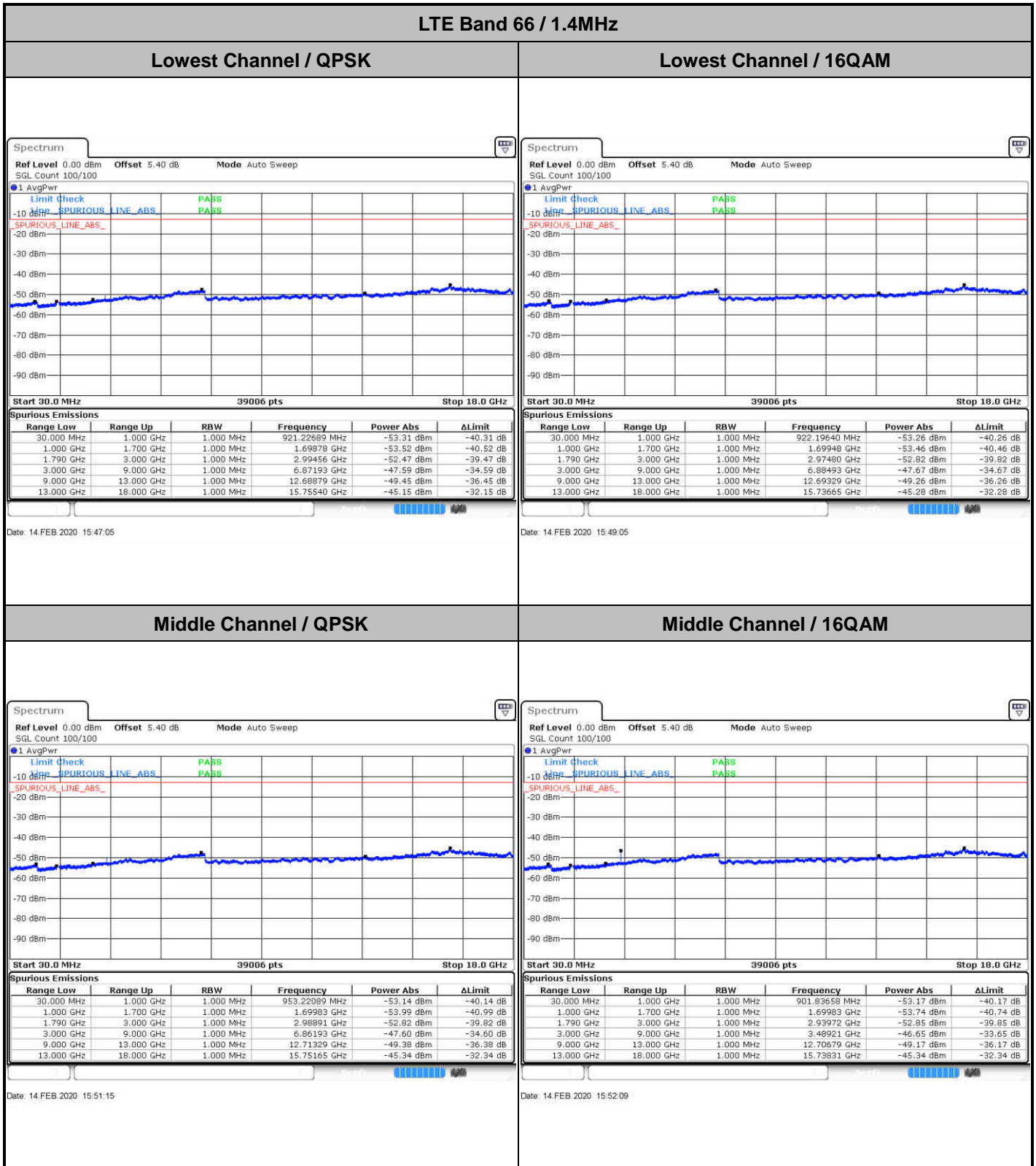
Highest Band Edge / Full RB



Date: 14.FEB.2020 18:25:27



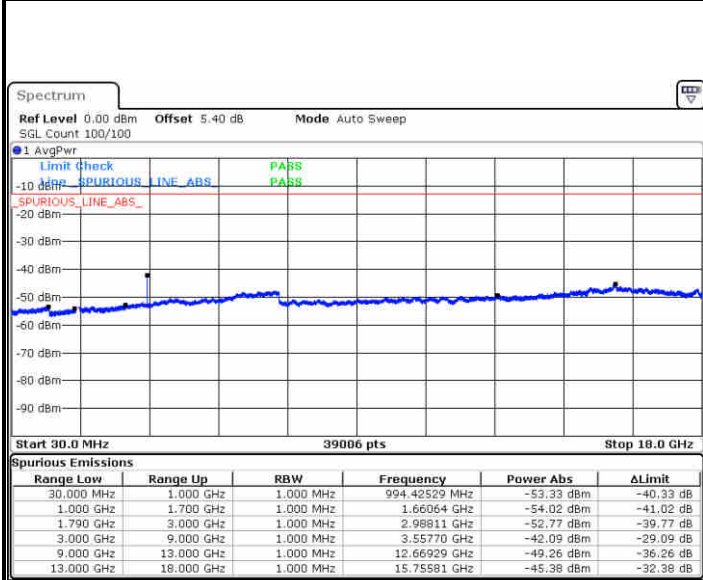
# Conducted Spurious Emission





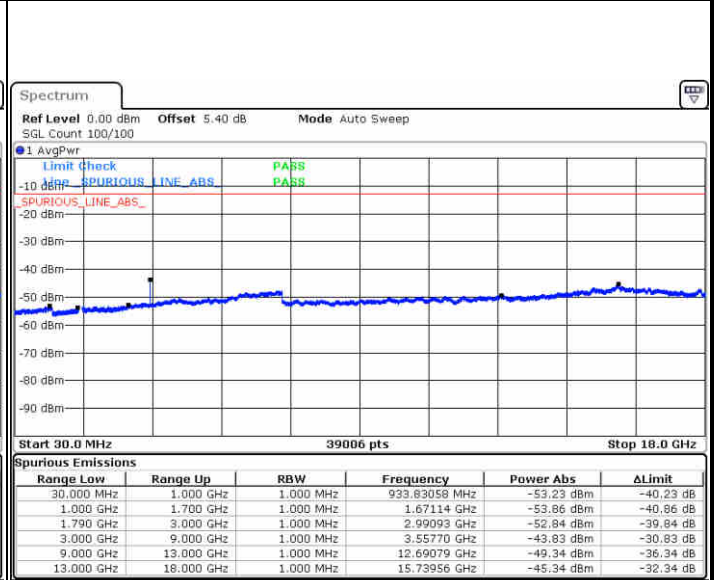
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 14.FEB 2020 15:54:13

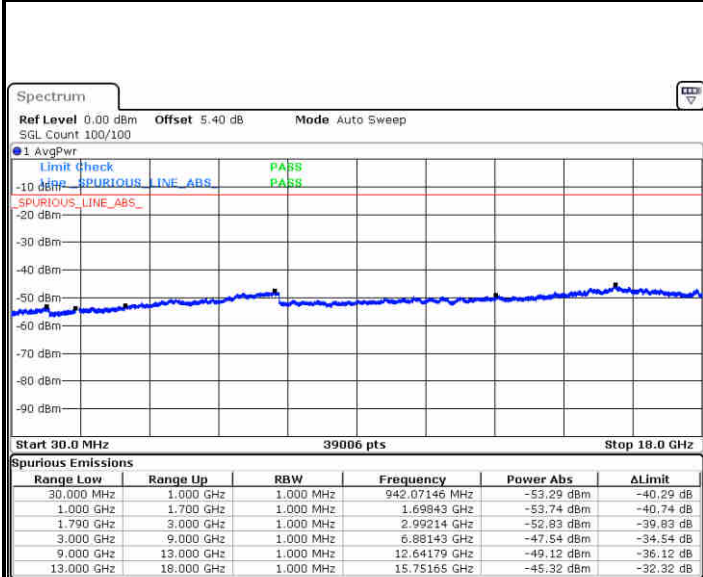
Highest Channel / 16QAM



Date: 14.FEB 2020 15:55:00

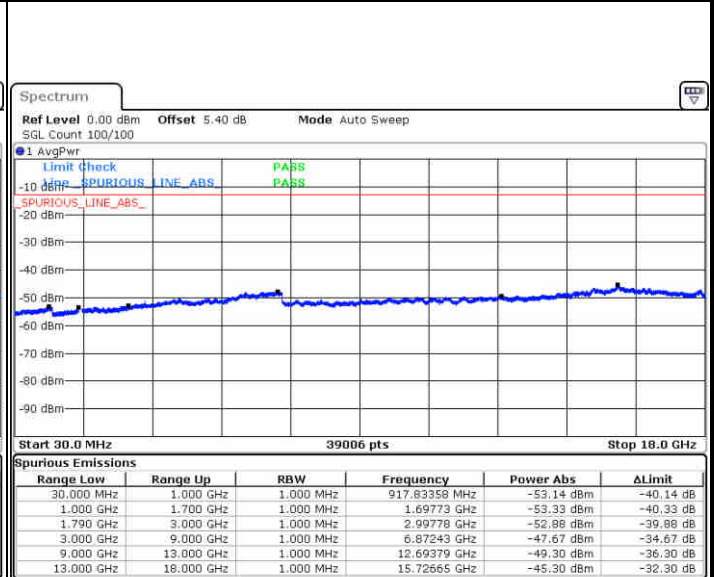
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 14.FEB 2020 16:06:35

Lowest Channel / 16QAM

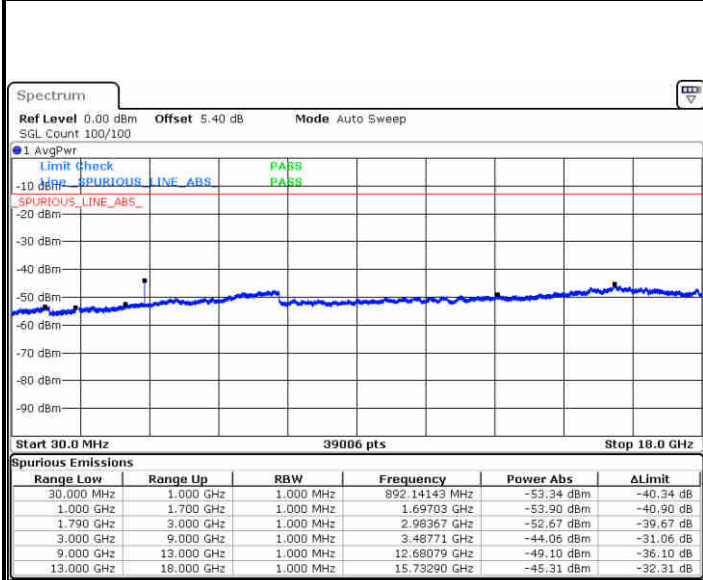


Date: 14.FEB 2020 16:07:25



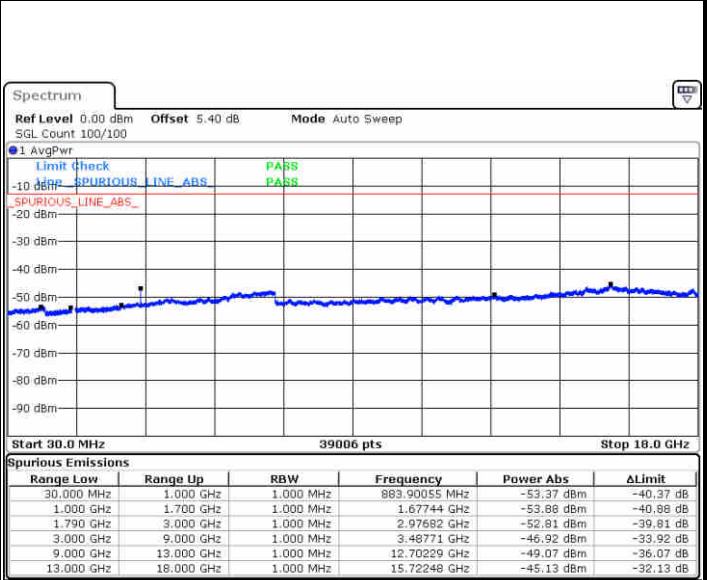
LTE Band 66 / 3MHz

Middle Channel / QPSK



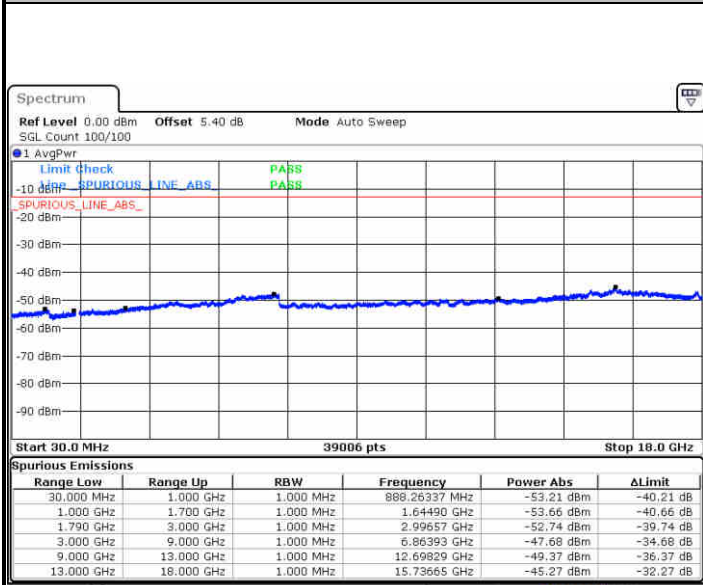
Date: 14.FEB 2020 16:09:19

Middle Channel / 16QAM



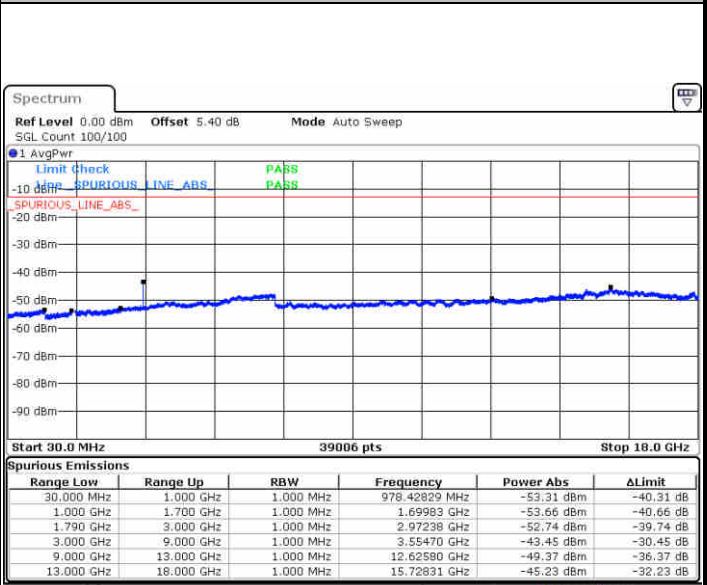
Date: 14.FEB 2020 16:10:02

Highest Channel / QPSK



Date: 14.FEB 2020 16:12:00

Highest Channel / 16QAM



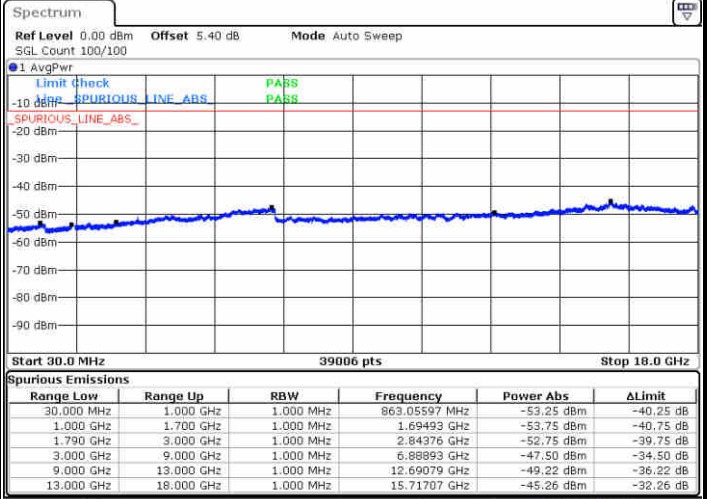
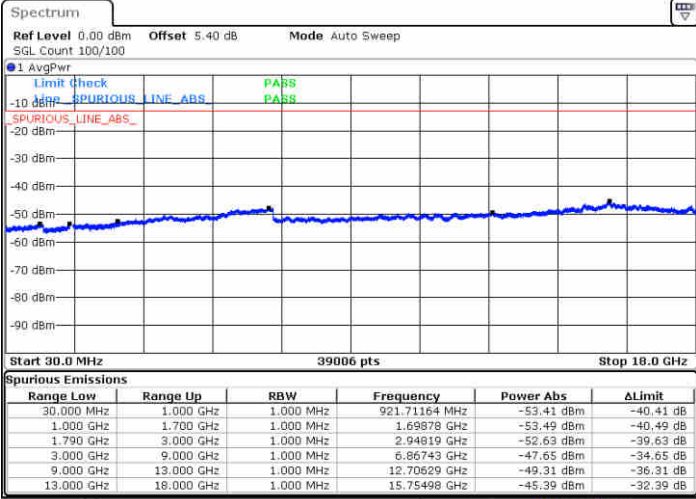
Date: 14.FEB 2020 16:12:49



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

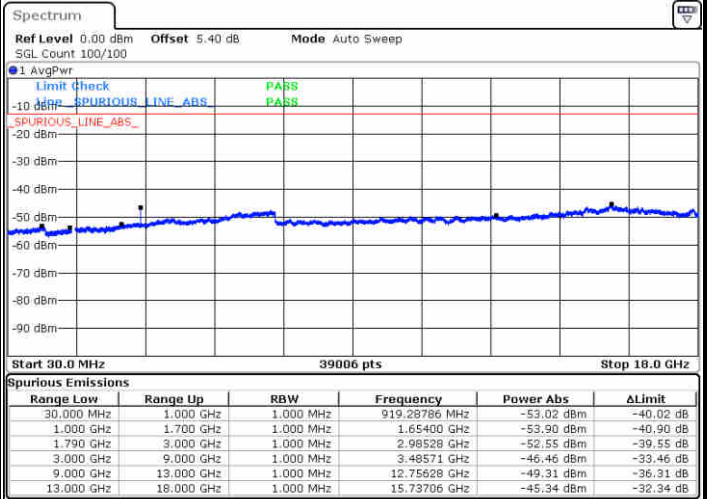
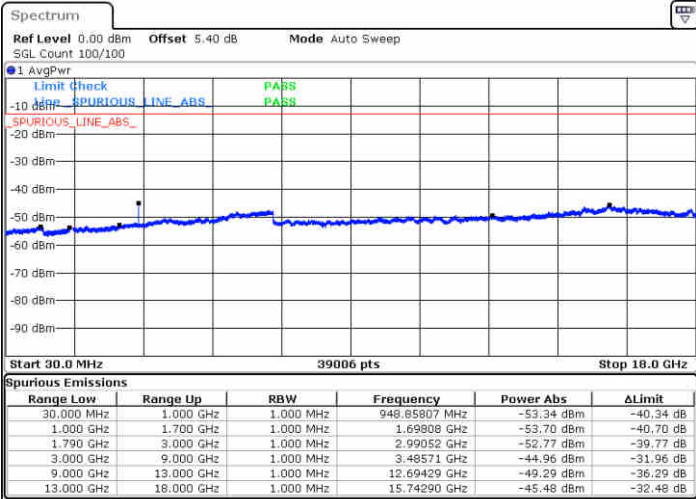


Date: 14.FEB 2020 16:50:36

Date: 14.FEB 2020 16:51:18

Middle Channel / QPSK

Middle Channel / 16QAM



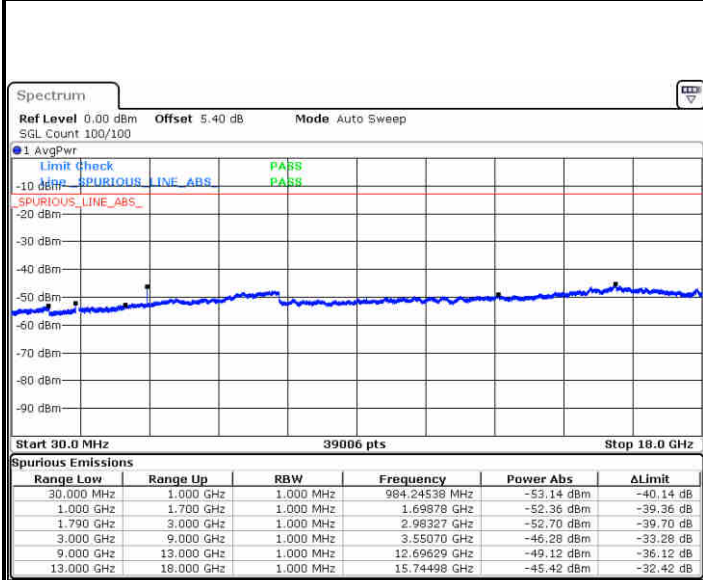
Date: 14.FEB 2020 16:52:54

Date: 14.FEB 2020 16:53:40



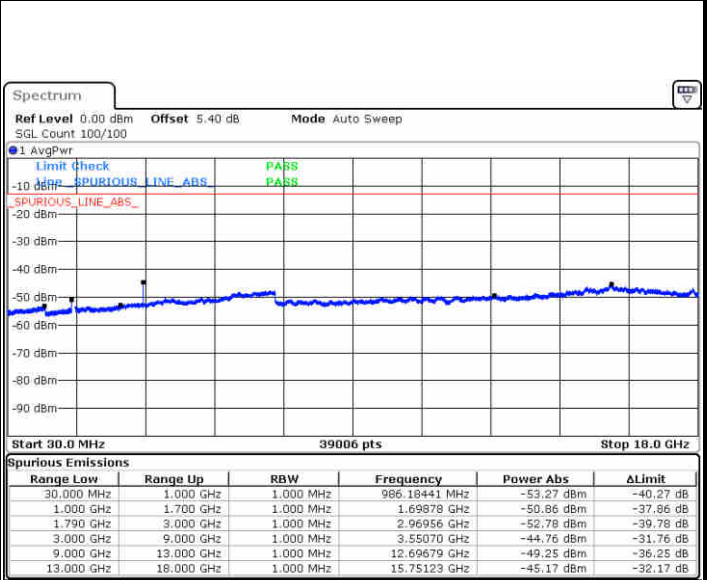
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 14.FEB 2020 16:55:27

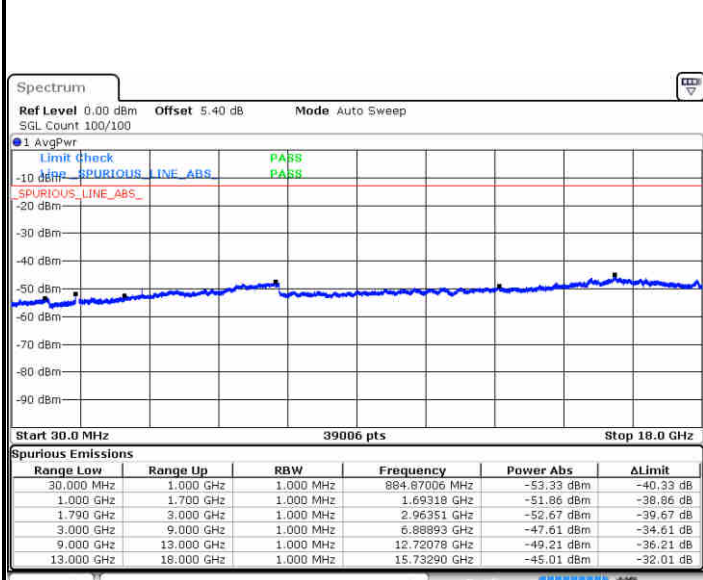
Highest Channel / 16QAM



Date: 14.FEB 2020 16:56:13

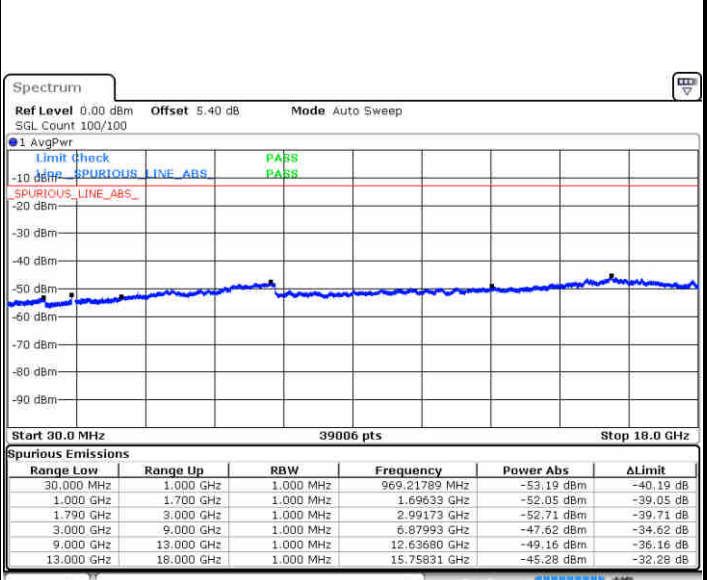
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 14.FEB 2020 17:15:17

Lowest Channel / 16QAM



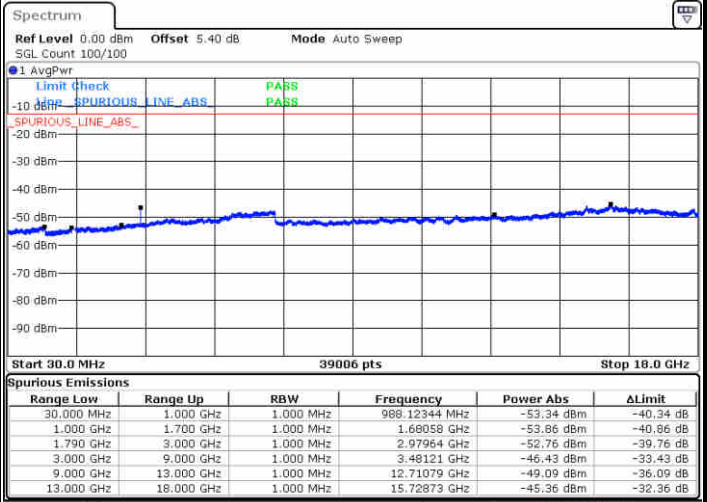
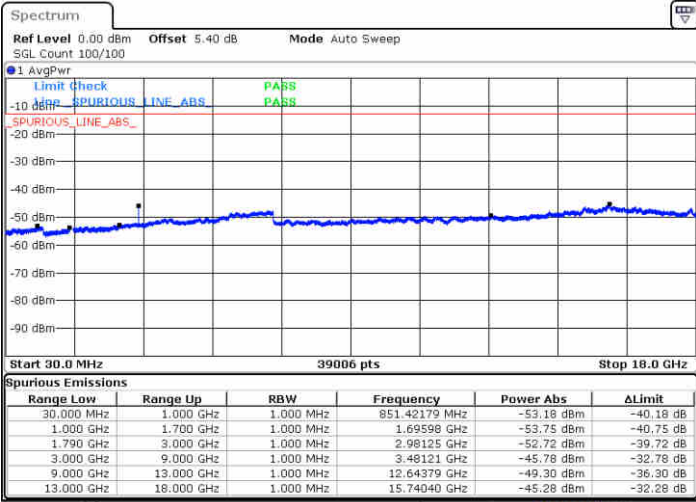
Date: 14.FEB 2020 17:15:59



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

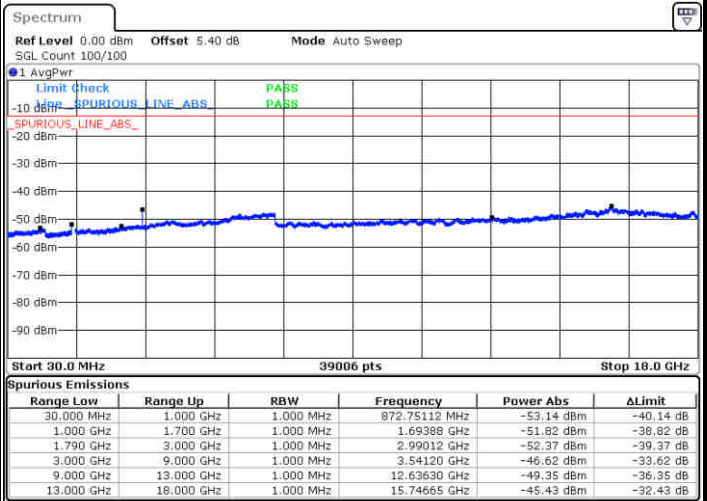
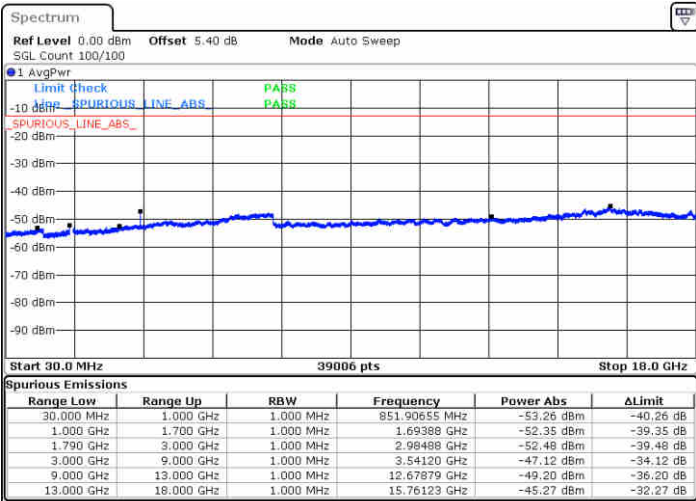


Date: 14.FEB 2020 17:18:12

Date: 14.FEB 2020 17:19:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.FEB 2020 17:21:31

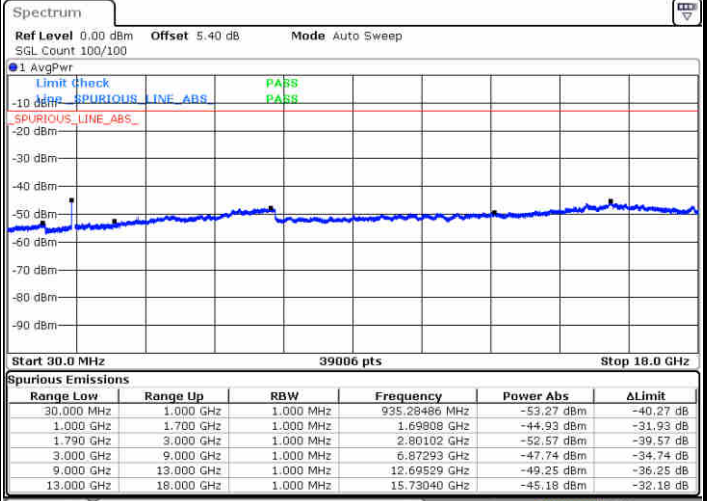
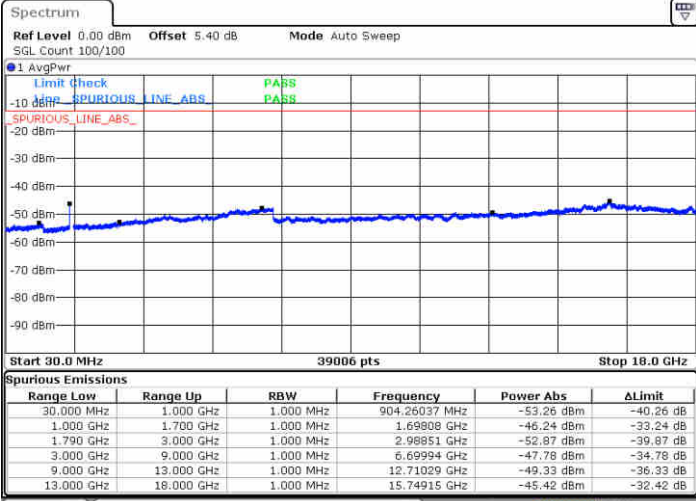
Date: 14.FEB 2020 17:22:24



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

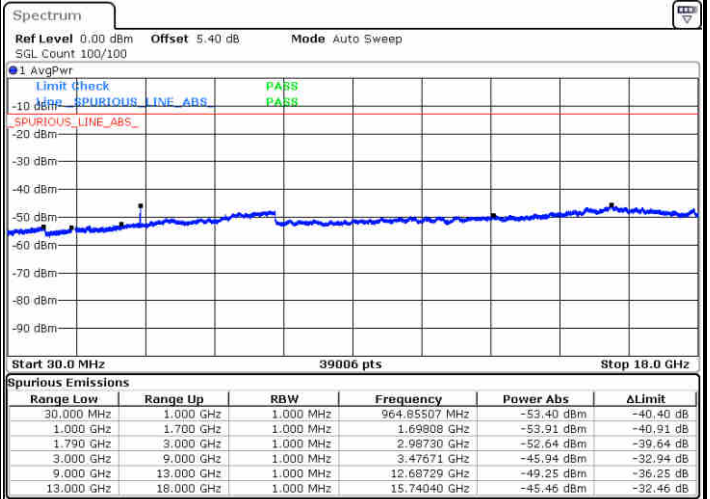
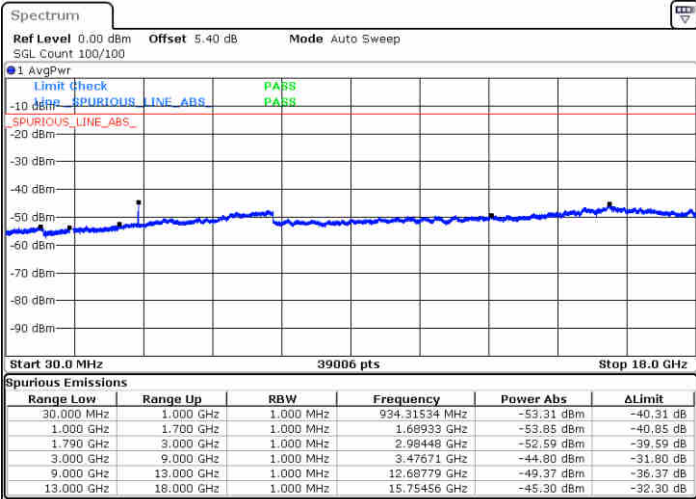


Date: 14.FEB 2020 17:44:32

Date: 14.FEB 2020 17:46:01

Middle Channel / QPSK

Middle Channel / 16QAM



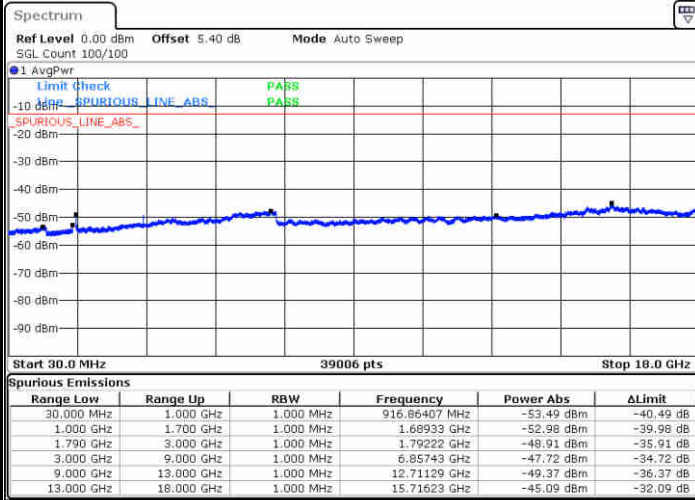
Date: 14.FEB 2020 17:48:23

Date: 14.FEB 2020 17:49:04



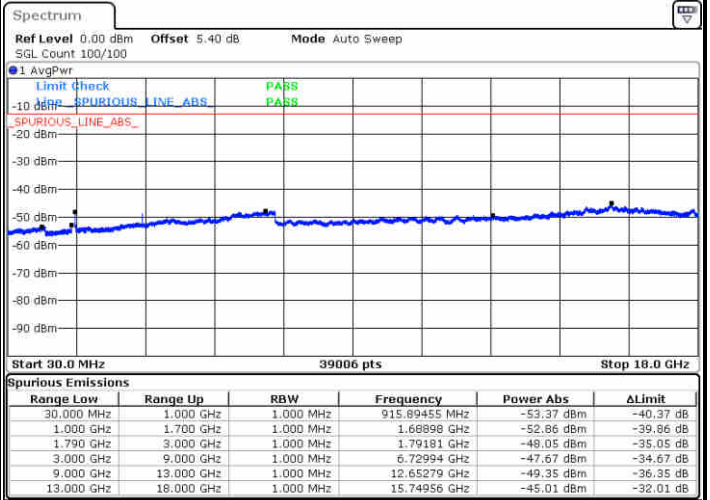
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 14.FEB 2020 17:51:00

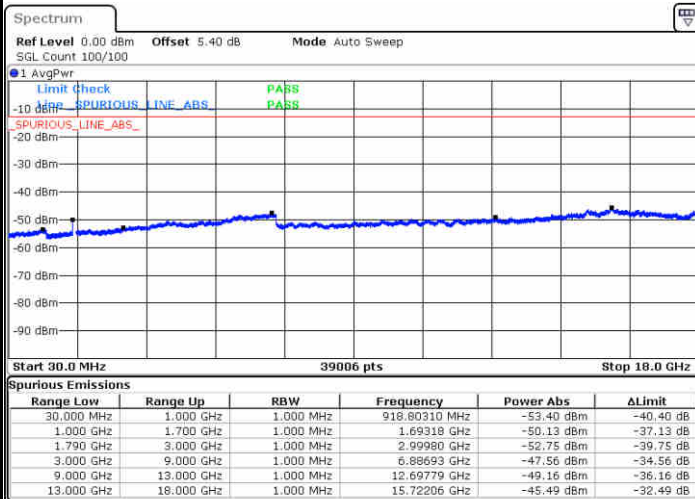
Highest Channel / 16QAM



Date: 14.FEB 2020 17:51:43

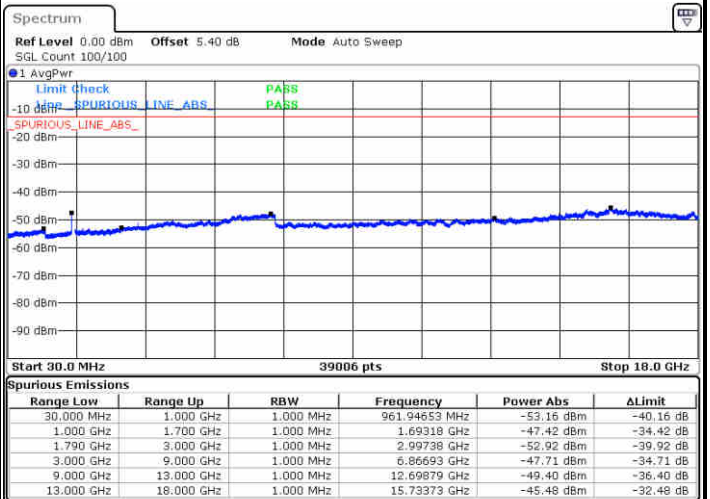
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 14.FEB 2020 18:09:33

Lowest Channel / 16QAM



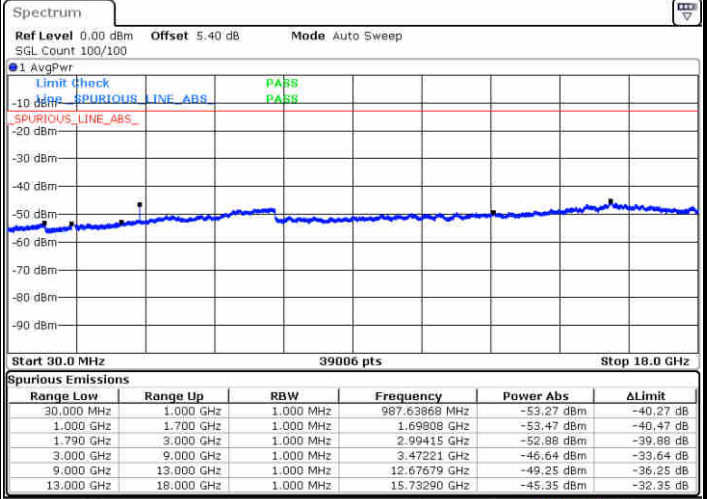
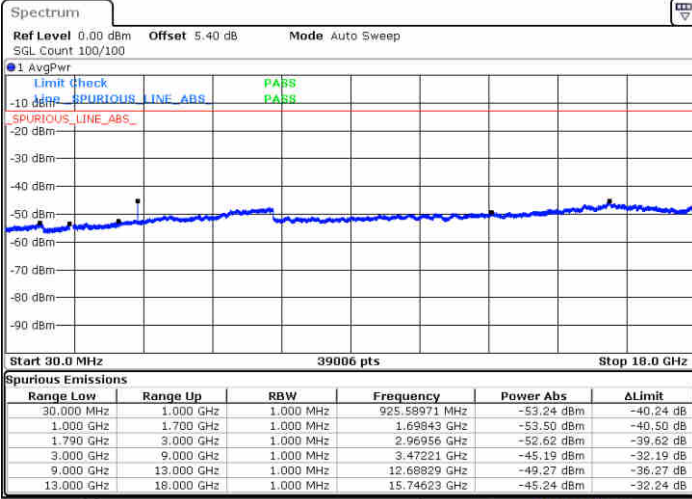
Date: 14.FEB 2020 18:10:24



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

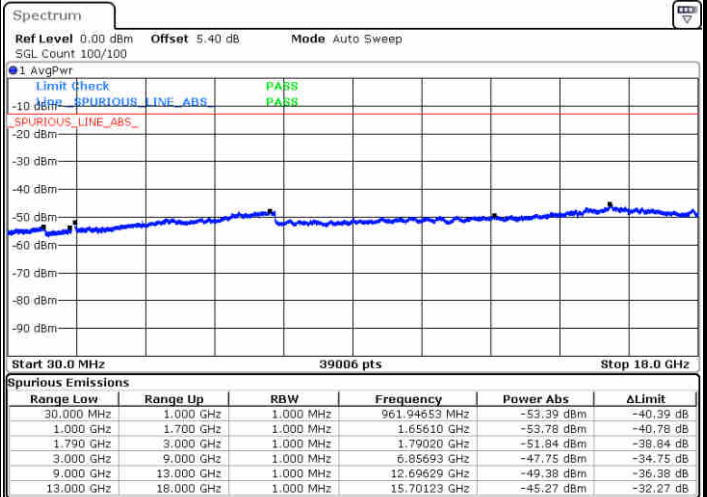
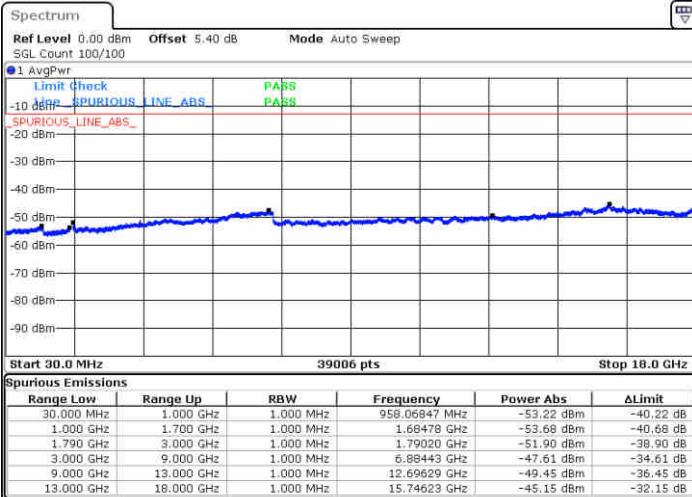


Date: 14.FEB 2020 18:12:56

Date: 14.FEB 2020 18:13:42

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.FEB 2020 18:16:25

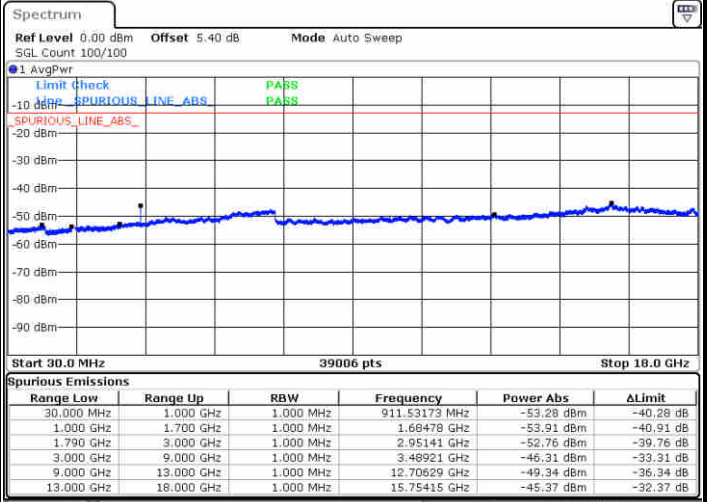
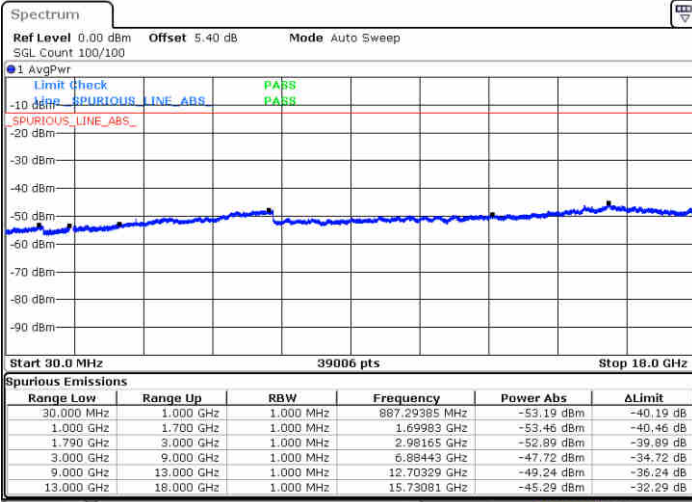
Date: 14.FEB 2020 18:17:12



LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

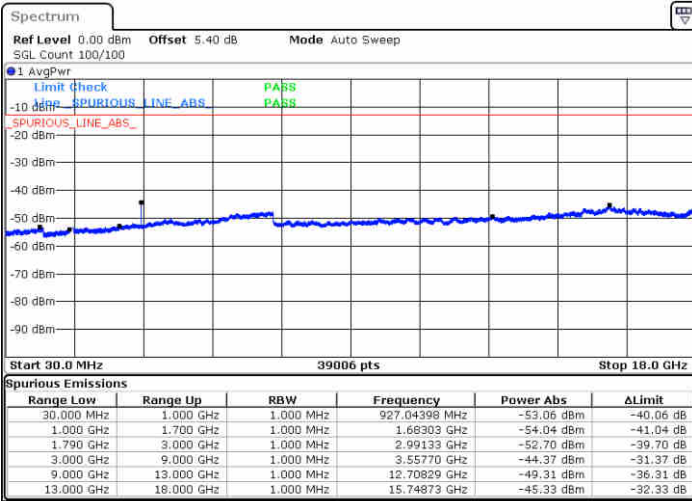
Middle Channel / 64QAM



Date: 14.FEB 2020 15:50:10

Date: 14.FEB 2020 15:52:51

Highest Channel / 64QAM



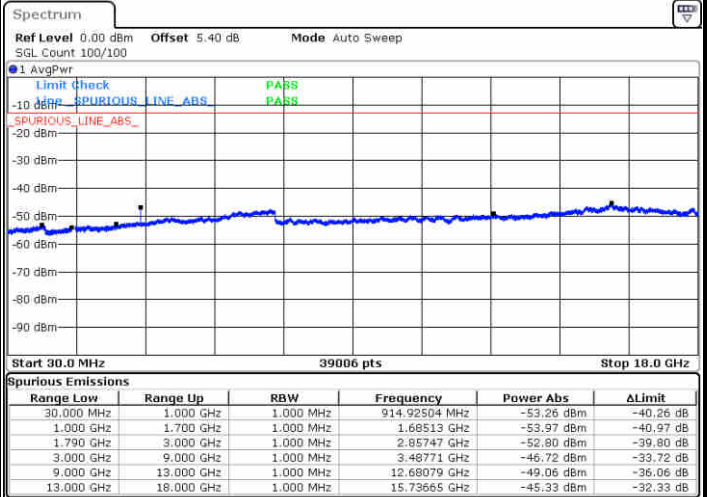
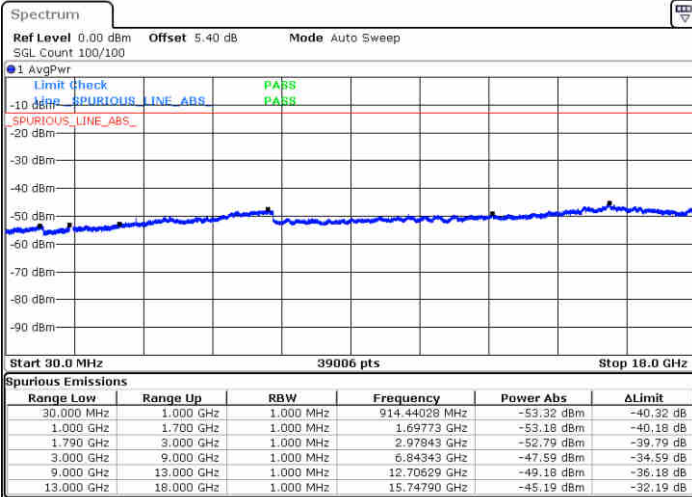
Date: 14.FEB 2020 15:55:54



LTE Band 66 / 3MHz

Lowest Channel / 64QAM

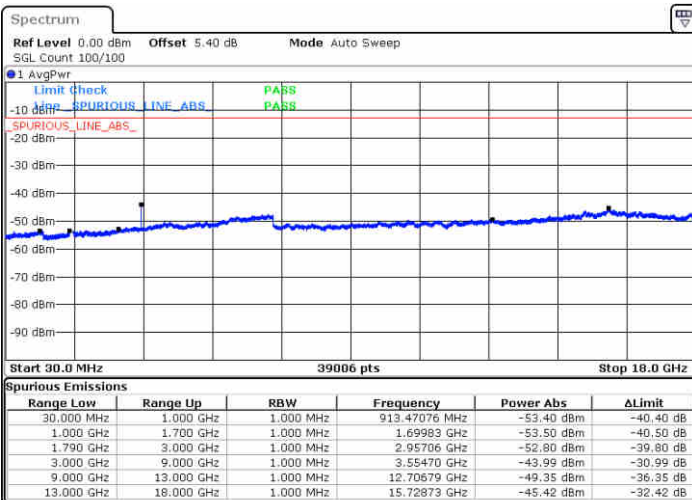
Middle Channel / 64QAM



Date: 14.FEB 2020 16:08:21

Date: 14.FEB 2020 16:10:42

Highest Channel / 64QAM



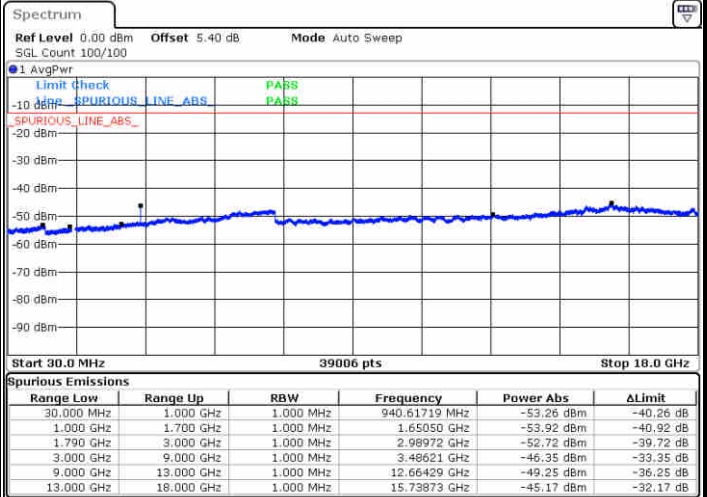
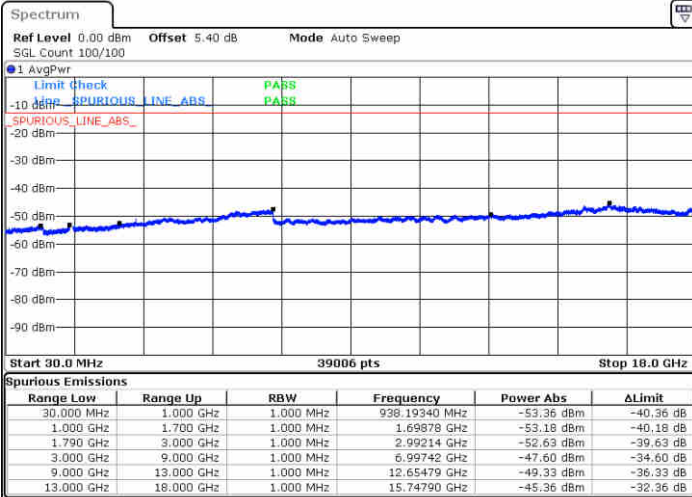
Date: 14.FEB 2020 16:13:48



LTE Band 66 / 5MHz

Lowest Channel / 64QAM

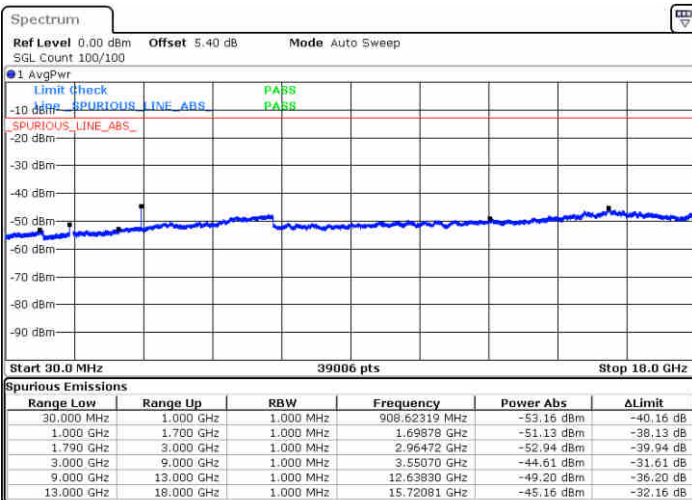
Middle Channel / 64QAM



Date: 14.FEB 2020 16:51:56

Date: 14.FEB 2020 16:54:25

Highest Channel / 64QAM



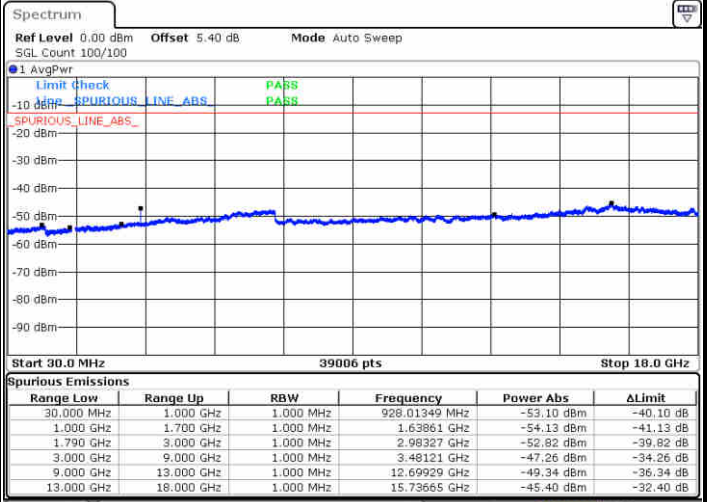
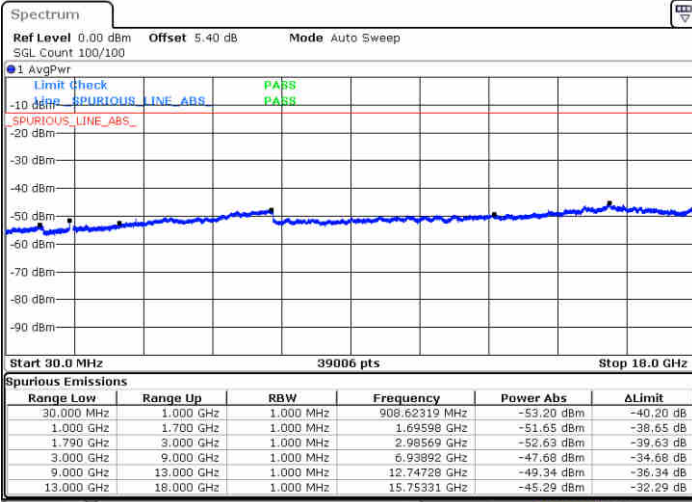
Date: 14.FEB 2020 16:57:39



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

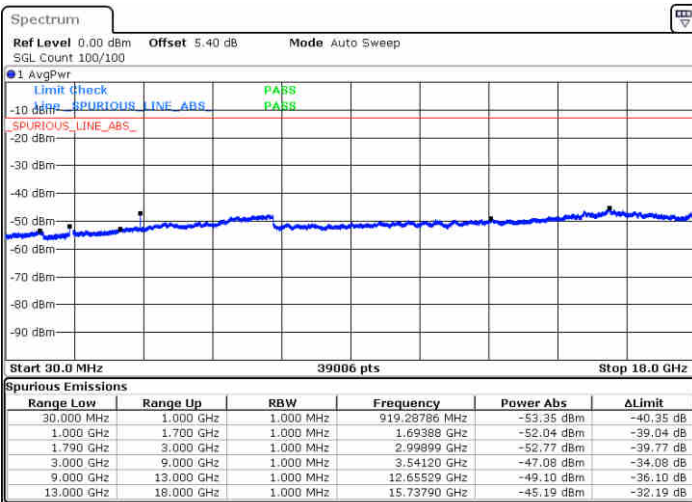
Middle Channel / 64QAM



Date: 14.FEB 2020 17:17:05

Date: 14.FEB 2020 17:20:08

Highest Channel / 64QAM



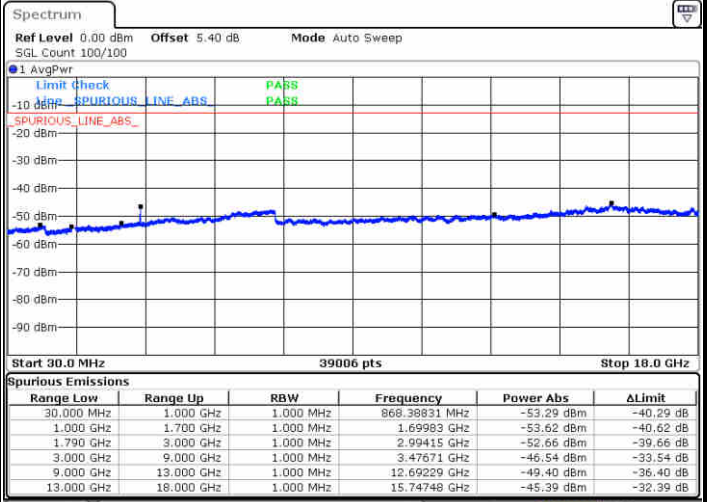
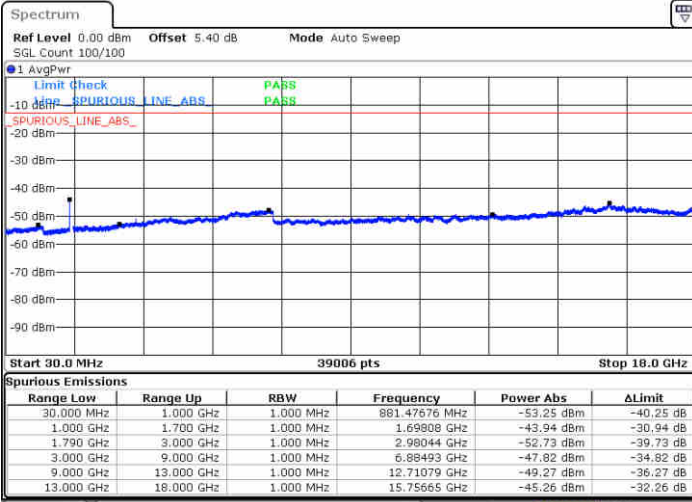
Date: 14.FEB 2020 17:23:08



LTE Band 66 / 15MHz

Lowest Channel / 64QAM

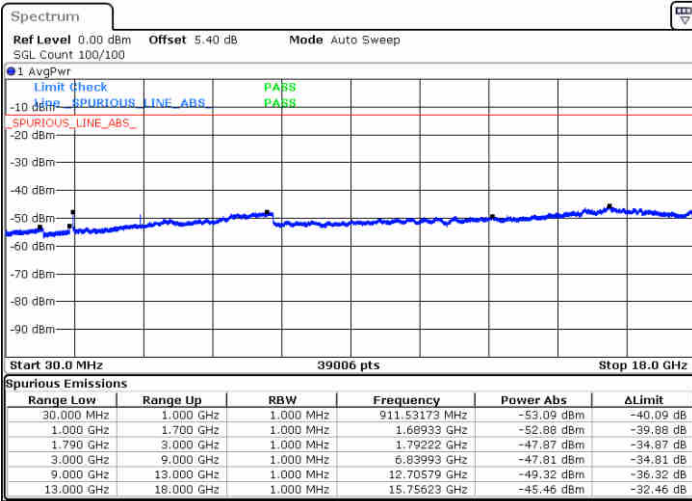
Middle Channel / 64QAM



Date: 14.FEB 2020 17:47:03

Date: 14.FEB 2020 17:49:48

Highest Channel / 64QAM



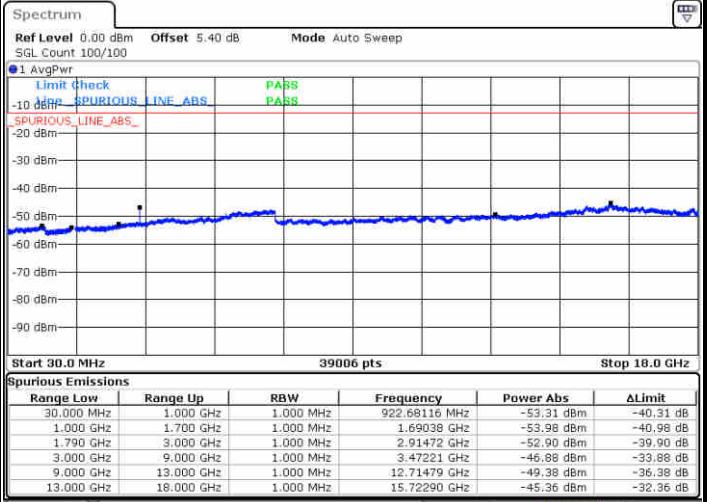
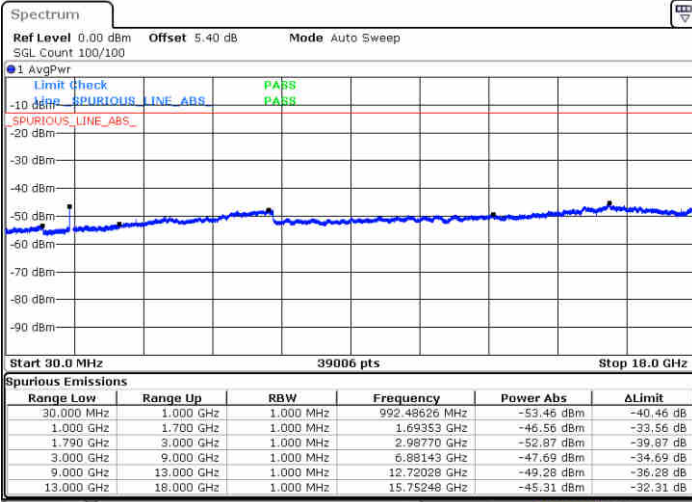
Date: 14.FEB 2020 17:52:30



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

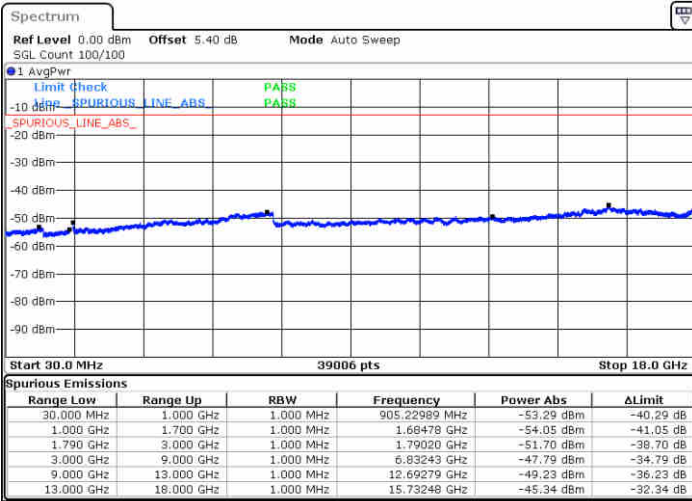
Middle Channel / 64QAM



Date: 14.FEB 2020 18:11:05

Date: 14.FEB 2020 18:14:23

Highest Channel / 64QAM



Date: 14.FEB 2020 18:18:06



Frequency Stability

| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0003                              | PASS    |
| 40               | Normal Voltage    | 0.0016                              |         |
| 30               | Normal Voltage    | 0.0003                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0034                              |         |
| 0                | Normal Voltage    | 0.0005                              |         |
| -10              | Normal Voltage    | 0.0002                              |         |
| -20              | Normal Voltage    | 0.0020                              |         |
| -30              | Normal Voltage    | 0.0005                              |         |
| 20               | Maximum Voltage   | 0.0029                              |         |
| 20               | Normal Voltage    | 0.0006                              |         |
| 20               | Battery End Point | 0.0007                              |         |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.40 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

## Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.67                | 5.04    | 5.25  | 5.97    | PASS        |
| Middle CH  | 4.61                | 4.84    | 5.62  | 5.88    |             |
| Highest CH | 4.72                | 5.01    | 5.45  | 5.91    |             |
| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.12                | 6.14    | -     | -       | PASS        |
| Middle CH  | 5.80                | 6.03    | -     | -       |             |
| Highest CH | 6.14                | 6.20    | -     | -       |             |



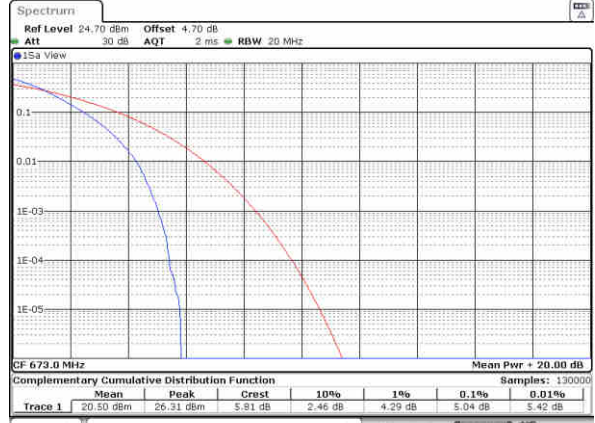
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



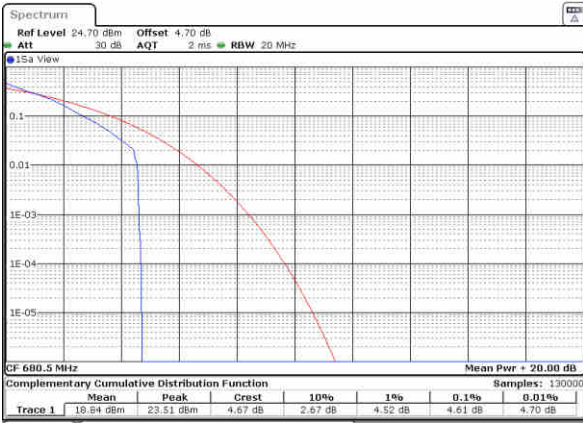
Date: 6 FEB 2020 02:30:28

Lowest Channel / Full RB



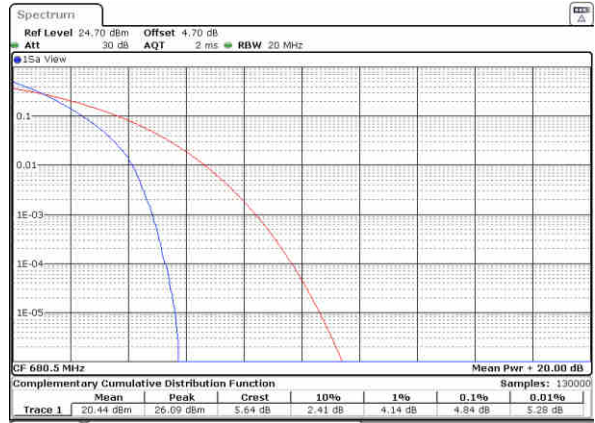
Date: 6 FEB 2020 02:29:16

Middle Channel / 1RB



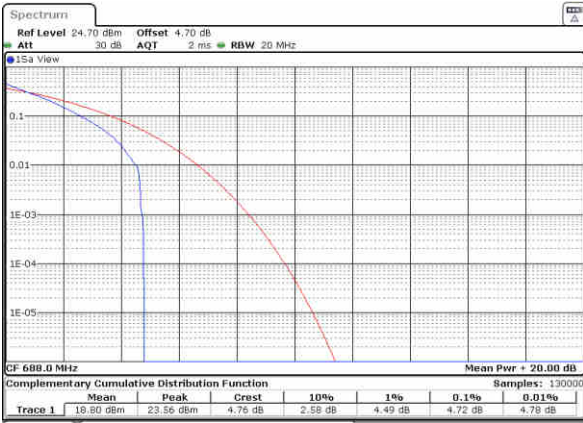
Date: 6 FEB 2020 02:35:20

Middle Channel / Full RB



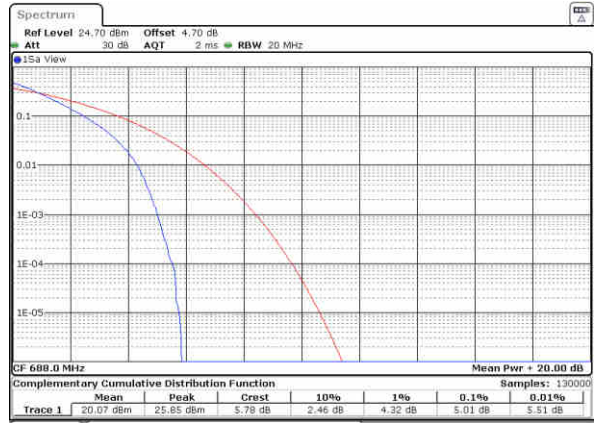
Date: 6 FEB 2020 02:35:55

Highest Channel / 1RB



Date: 6 FEB 2020 02:41:17

Highest Channel / Full RB



Date: 6 FEB 2020 02:40:05



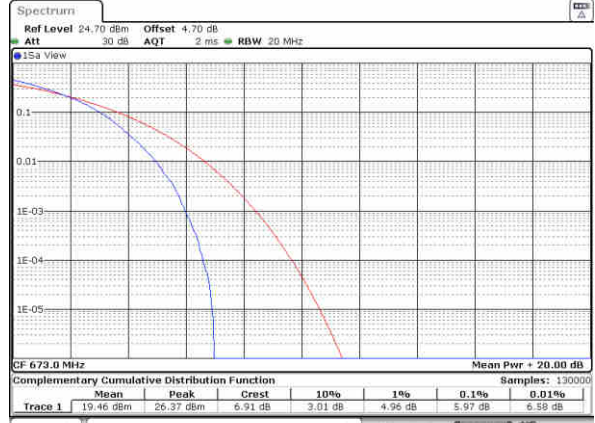
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 6 FEB 2020 02:31:38

Lowest Channel / Full RB



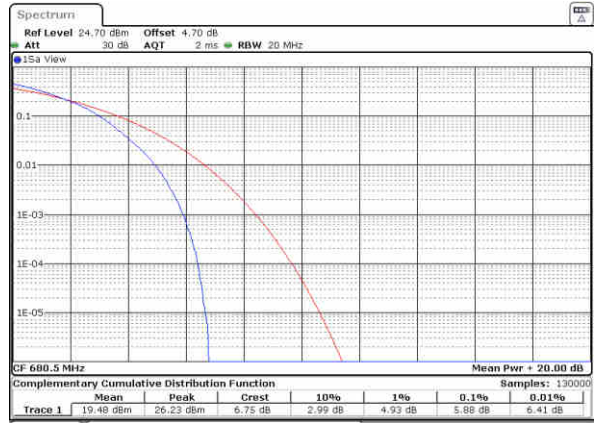
Date: 6 FEB 2020 02:28:14

Middle Channel / 1RB



Date: 6 FEB 2020 02:34:45

Middle Channel / Full RB



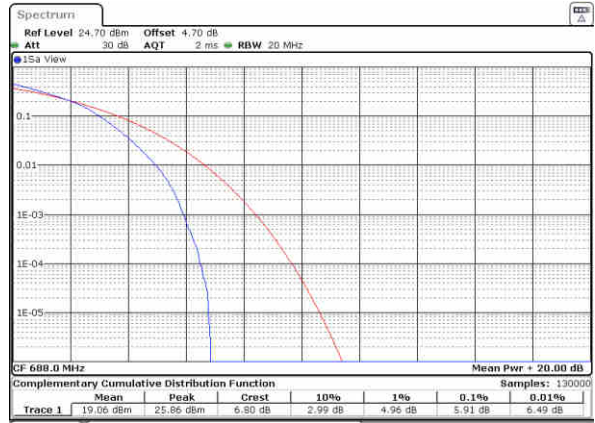
Date: 6 FEB 2020 02:36:28

Highest Channel / 1RB



Date: 6 FEB 2020 02:41:44

Highest Channel / Full RB

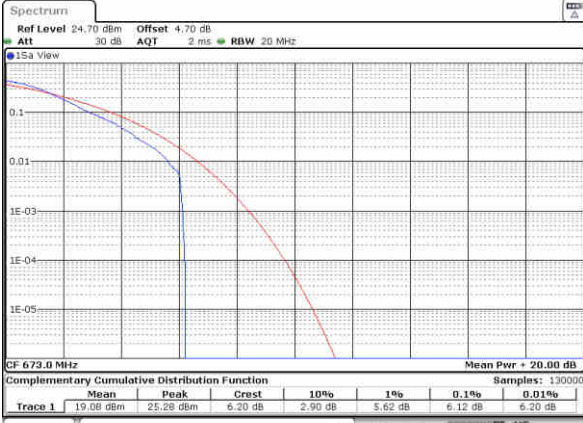


Date: 6 FEB 2020 02:38:59



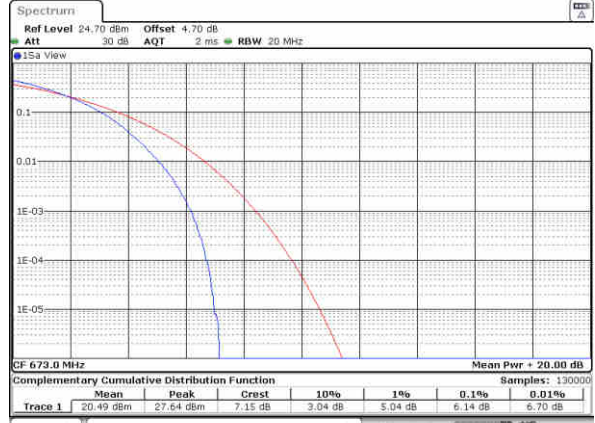
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



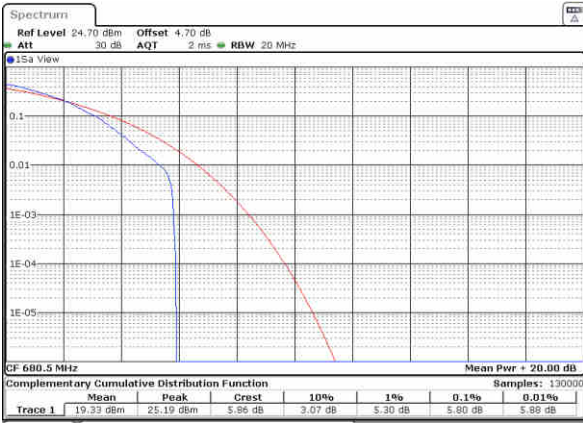
Date: 6 FEB 2020 02:33:05

Lowest Channel / Full RB



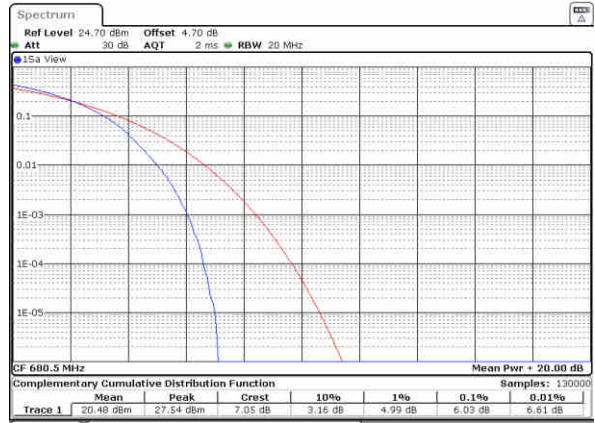
Date: 6 FEB 2020 02:27:03

Middle Channel / 1RB



Date: 6 FEB 2020 02:34:31

Middle Channel / Full RB



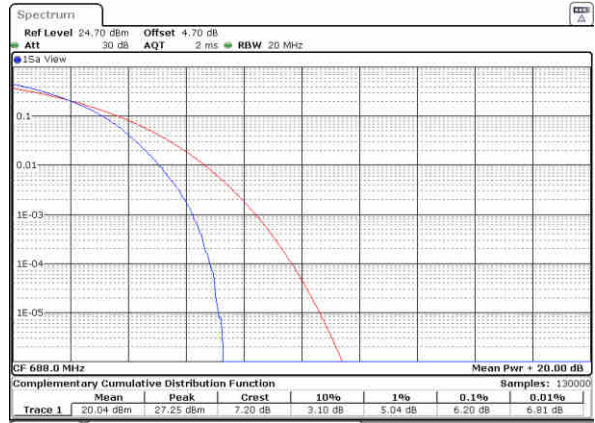
Date: 6 FEB 2020 02:37:06

Highest Channel / 1RB



Date: 6 FEB 2020 02:42:34

Highest Channel / Full RB



Date: 6 FEB 2020 02:37:52



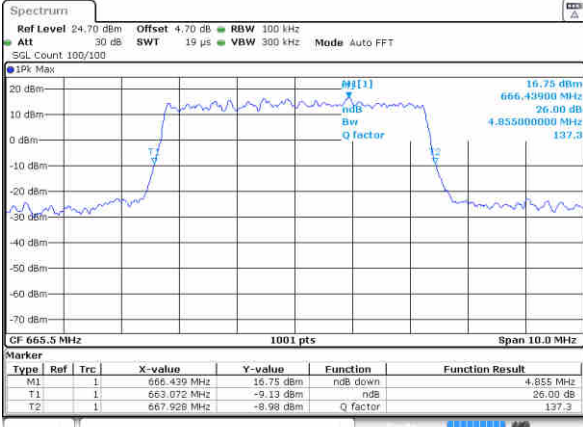
26dB Bandwidth

| Mode       | LTE Band 71 : 26dB BW(MHz) |   |   |   |       |       |       |       |       |       |       |       |
|------------|----------------------------|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | -                          |   | - |   | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                          | - | - | - | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | - | - | - | 4.86  | 4.93  | 9.85  | 9.69  | 14.57 | 14.48 | 19.02 | 19.06 |
| Middle CH  | -                          | - | - | - | 4.74  | 4.93  | 9.75  | 9.79  | 14.39 | 14.57 | 18.94 | 18.70 |
| Highest CH | -                          | - | - | - | 4.98  | 4.81  | 9.73  | 10.07 | 14.24 | 14.36 | 19.14 | 19.22 |
| Mode       | LTE Band 71 : 26dB BW(MHz) |   |   |   |       |       |       |       |       |       |       |       |
| BW         | -                          |   | - |   | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                          | - | - | - | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     |
| Lowest CH  | -                          | - | - | - | 4.92  | -     | 9.89  | -     | 14.39 | -     | 19.14 | -     |
| Middle CH  | -                          | - | - | - | 4.90  | -     | 9.77  | -     | 14.60 | -     | 19.10 | -     |
| Highest CH | -                          | - | - | - | 4.93  | -     | 9.73  | -     | 14.66 | -     | 19.34 | -     |



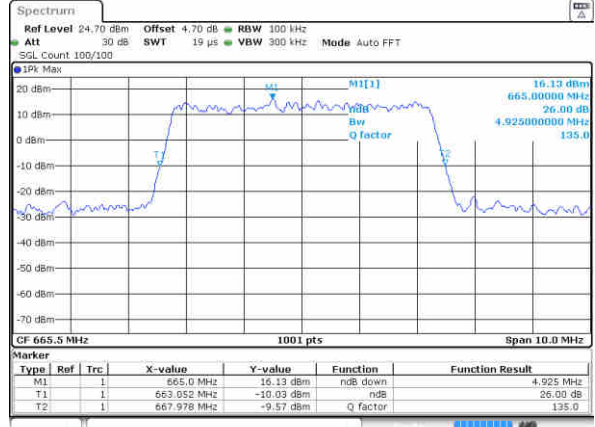
LTE Band 71

Lowest Channel / 5MHz / QPSK



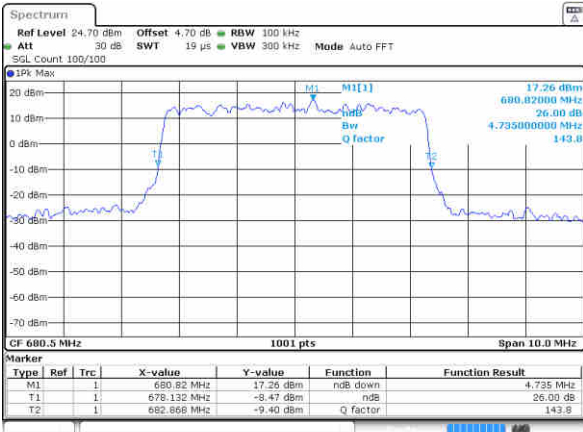
Date: 6 FEB 2020 00:58:54

Lowest Channel / 5MHz / 16QAM



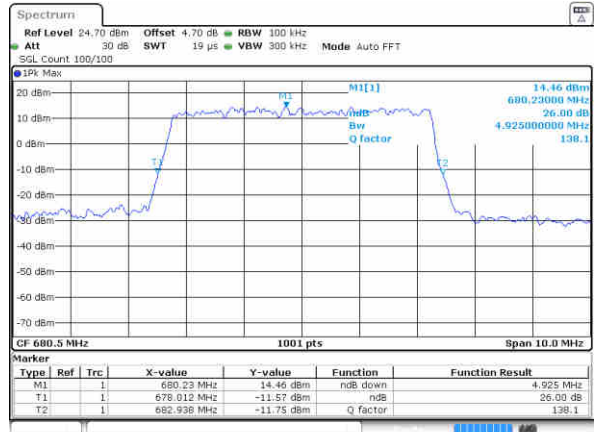
Date: 6 FEB 2020 00:59:55

Middle Channel / 5MHz / QPSK



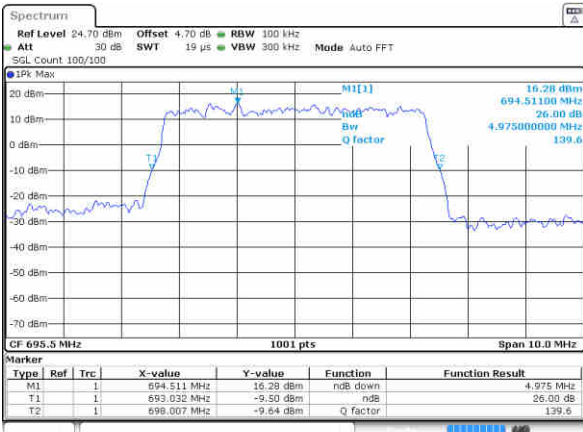
Date: 6 FEB 2020 01:11:15

Middle Channel / 5MHz / 16QAM



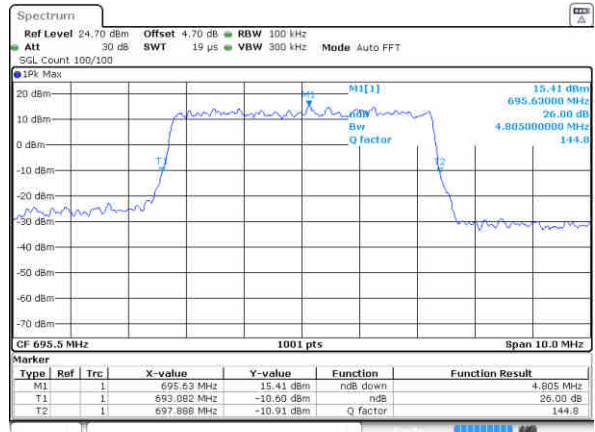
Date: 6 FEB 2020 01:10:58

Highest Channel / 5MHz / QPSK



Date: 6 FEB 2020 01:12:41

Highest Channel / 5MHz / 16QAM

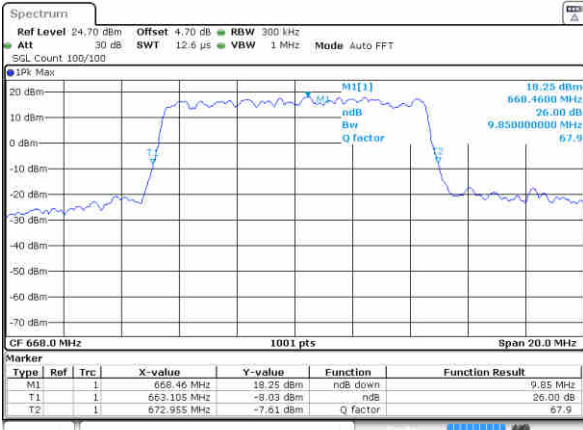


Date: 6 FEB 2020 01:13:46



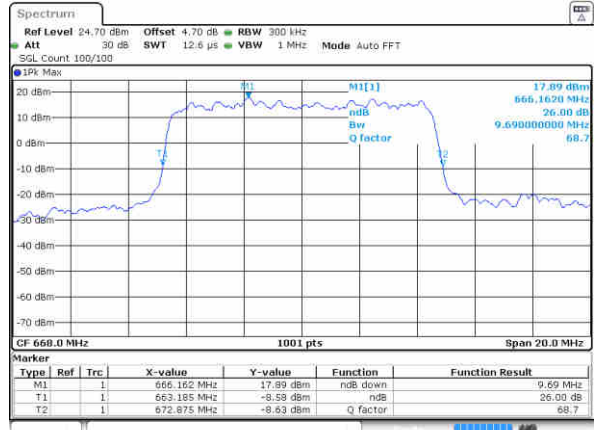
LTE Band 71

Lowest Channel / 10MHz / QPSK



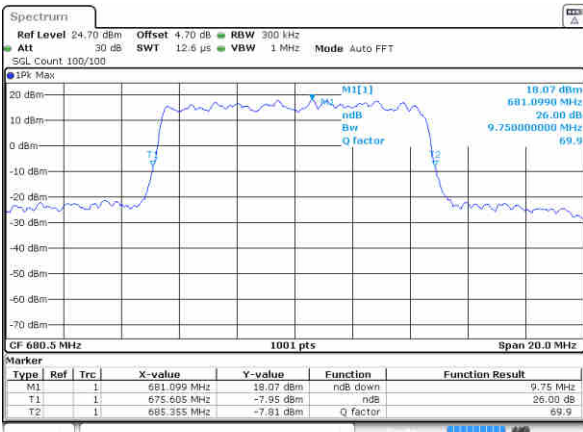
Date: 6 FEB 2020 01:21:44

Lowest Channel / 10MHz / 16QAM



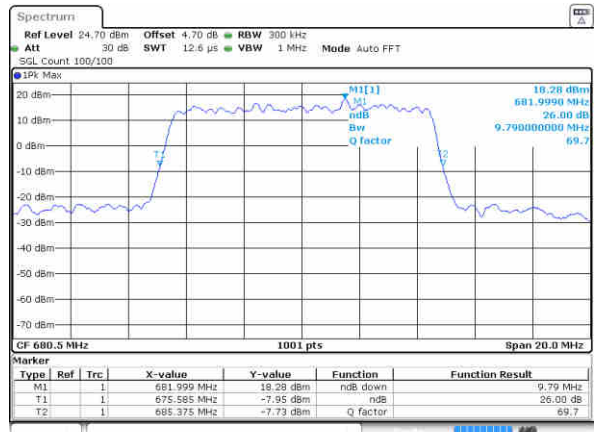
Date: 6 FEB 2020 01:20:47

Middle Channel / 10MHz / QPSK



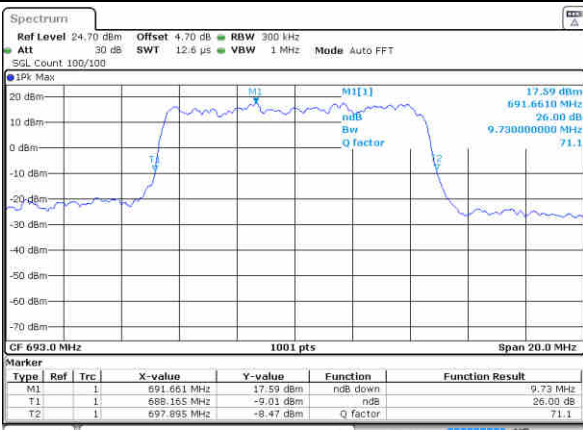
Date: 6 FEB 2020 01:33:35

Middle Channel / 10MHz / 16QAM



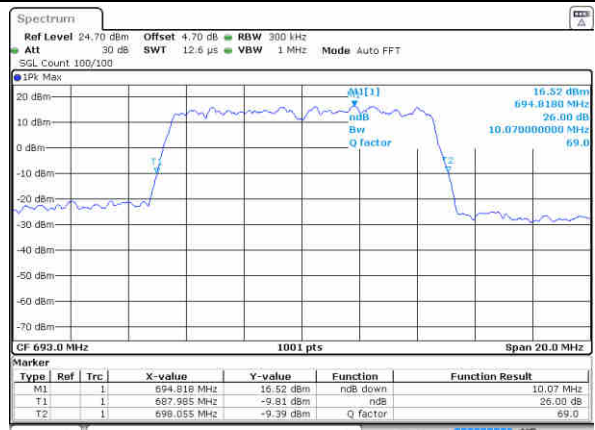
Date: 6 FEB 2020 01:33:52

Highest Channel / 10MHz / QPSK



Date: 6 FEB 2020 01:36:27

Highest Channel / 10MHz / 16QAM

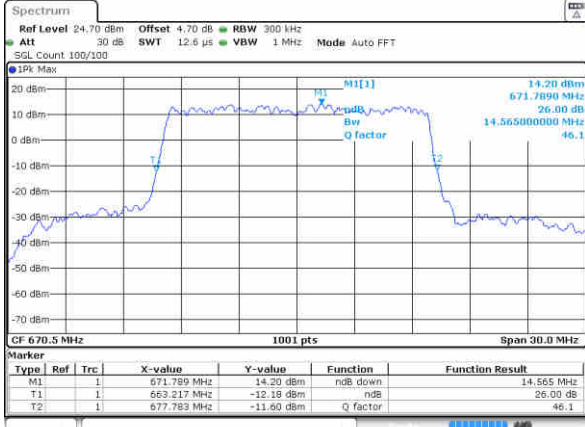


Date: 6 FEB 2020 01:35:52



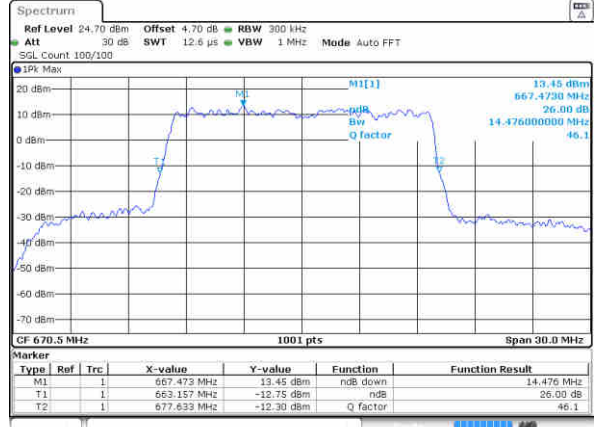
LTE Band 71

Lowest Channel / 15MHz / QPSK



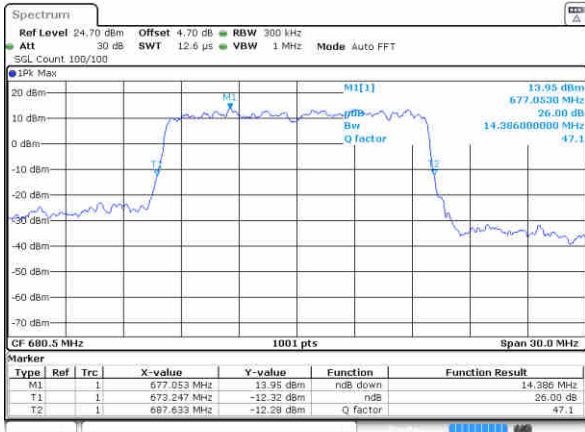
Date: 6 FEB 2020 02:04:29

Lowest Channel / 15MHz / 16QAM



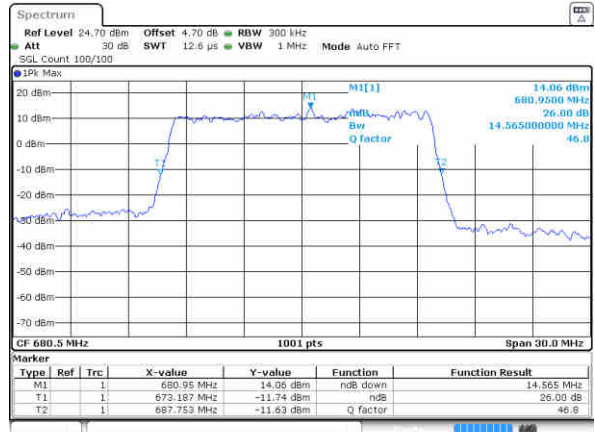
Date: 6 FEB 2020 02:05:21

Middle Channel / 15MHz / QPSK



Date: 6 FEB 2020 02:16:38

Middle Channel / 15MHz / 16QAM



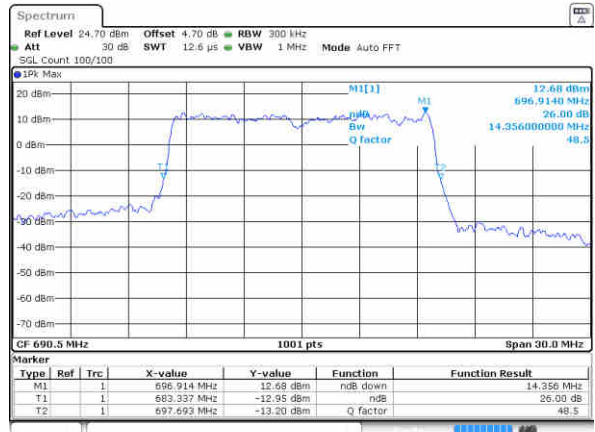
Date: 6 FEB 2020 02:16:22

Highest Channel / 15MHz / QPSK



Date: 6 FEB 2020 02:17:16

Highest Channel / 15MHz / 16QAM

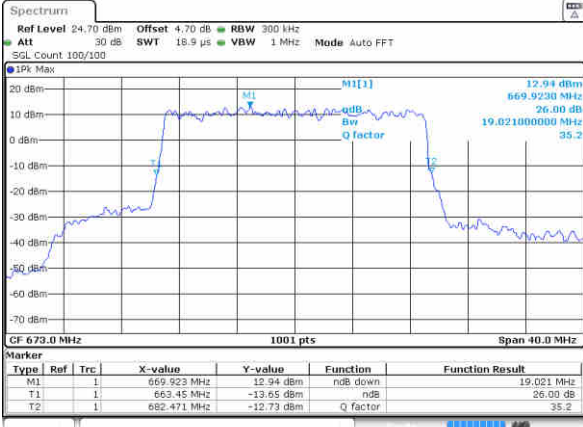


Date: 6 FEB 2020 02:18:18



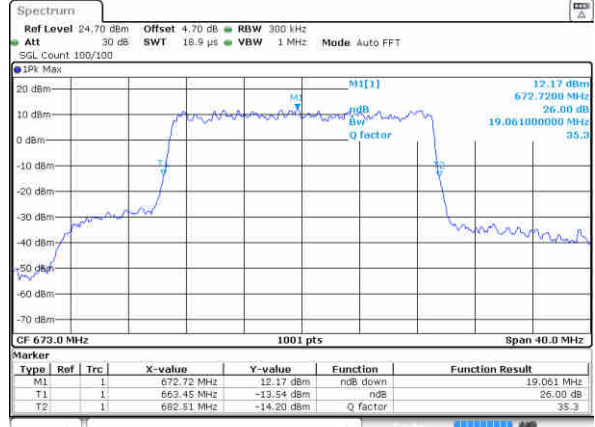
LTE Band 71

Lowest Channel / 20MHz / QPSK



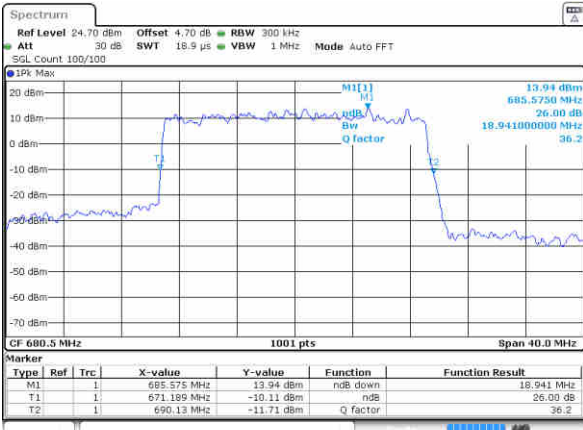
Date: 6 FEB 2020 02:29:33

Lowest Channel / 20MHz / 16QAM



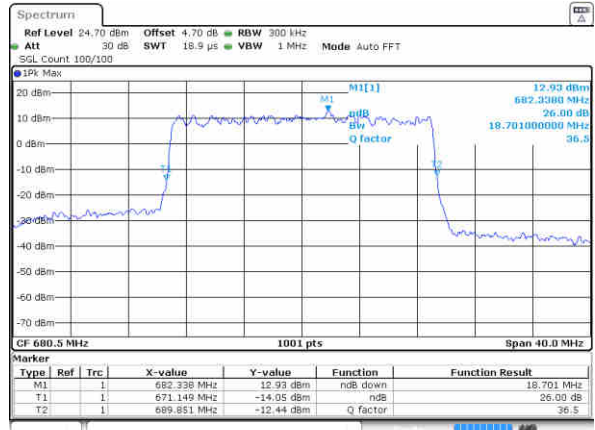
Date: 6 FEB 2020 02:28:27

Middle Channel / 20MHz / QPSK



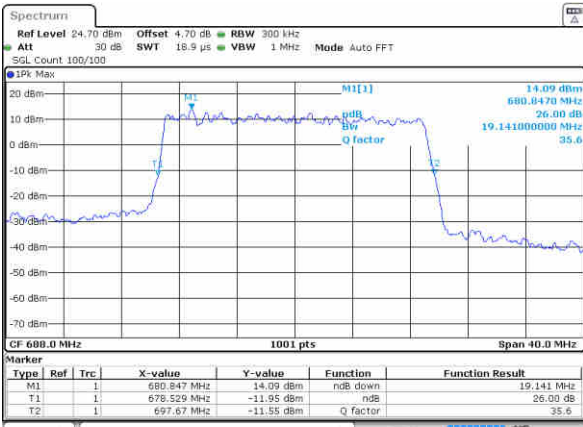
Date: 6 FEB 2020 02:36:09

Middle Channel / 20MHz / 16QAM



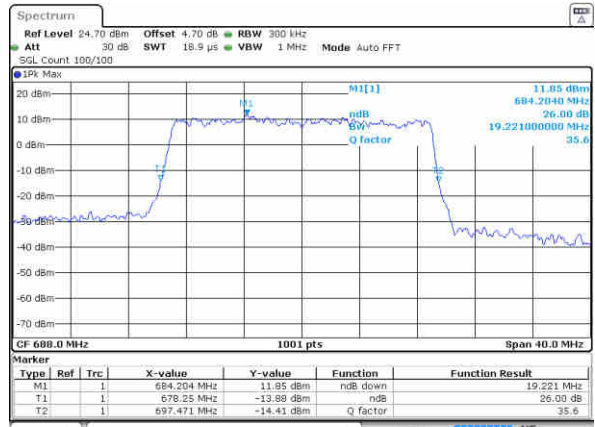
Date: 6 FEB 2020 02:36:46

Highest Channel / 20MHz / QPSK



Date: 6 FEB 2020 02:40:18

Highest Channel / 20MHz / 16QAM

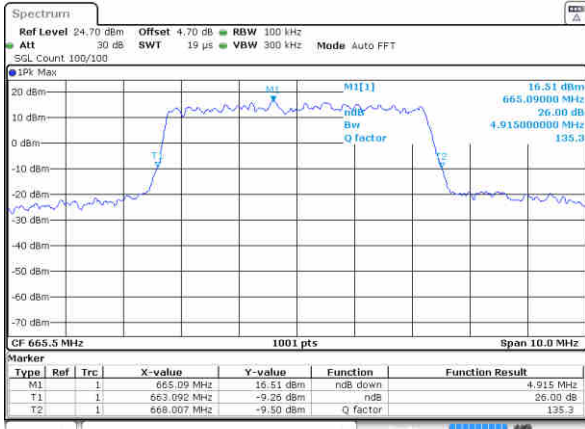


Date: 6 FEB 2020 02:39:11



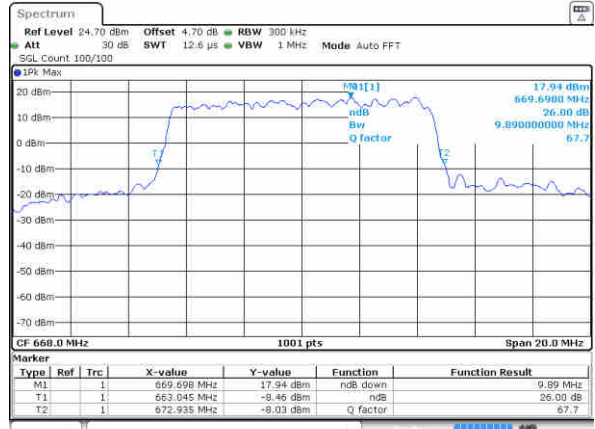
LTE Band 71

Lowest Channel / 5MHz / 64QAM



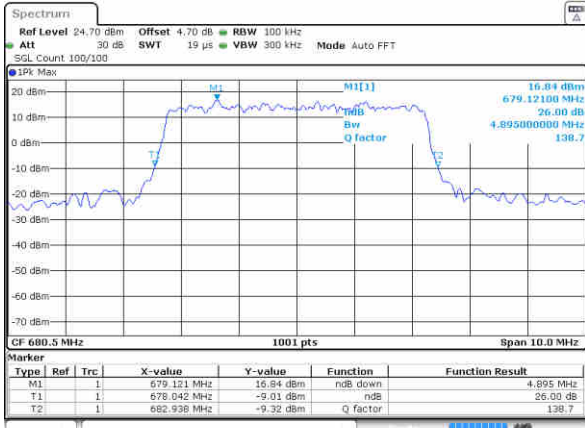
Date: 6 FEB 2020 01:01:03

Lowest Channel / 10MHz / 64QAM



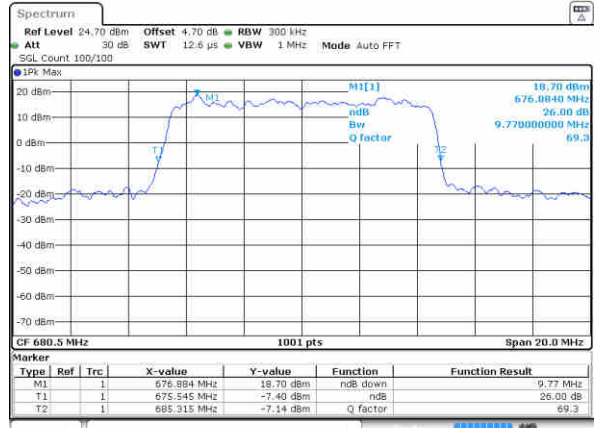
Date: 6 FEB 2020 01:19:54

Middle Channel / 5MHz / 64QAM



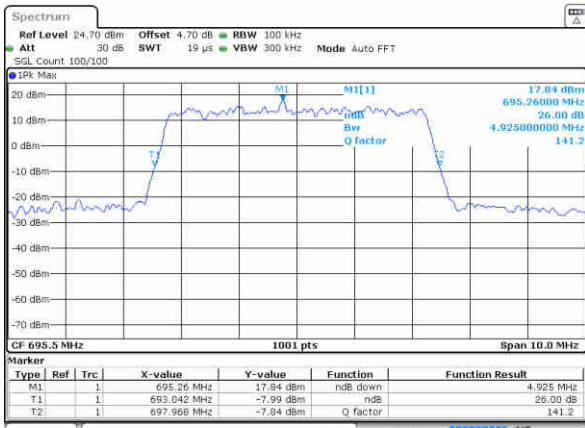
Date: 6 FEB 2020 01:09:31

Middle Channel / 10MHz / 64QAM



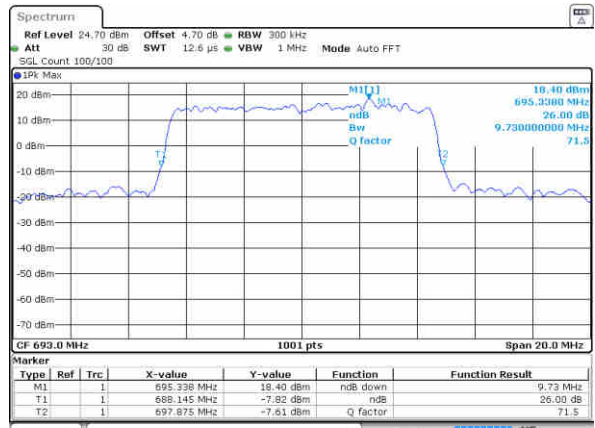
Date: 6 FEB 2020 01:34:09

Highest Channel / 5MHz / 64QAM



Date: 6 FEB 2020 01:14:46

Highest Channel / 10MHz / 64QAM

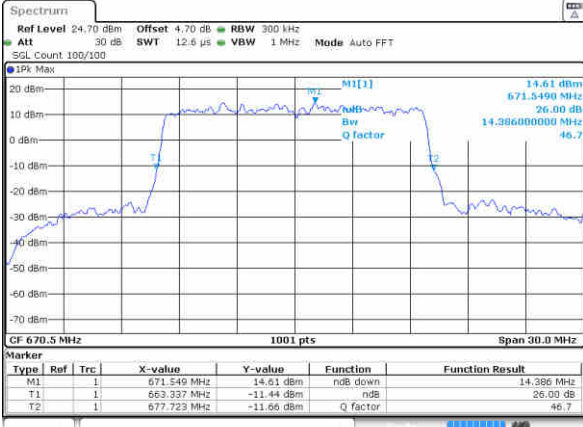


Date: 6 FEB 2020 01:34:38



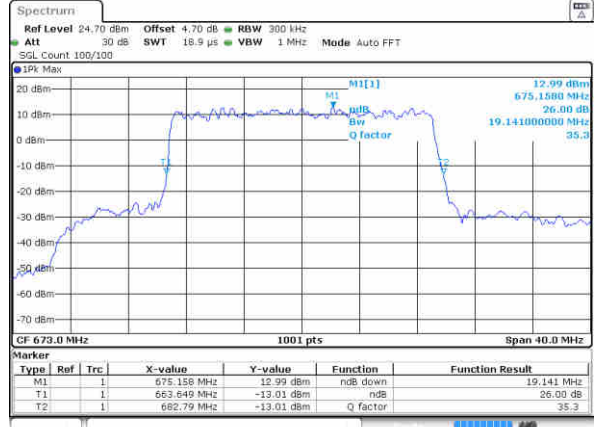
LTE Band 71

Lowest Channel / 15MHz / 64QAM



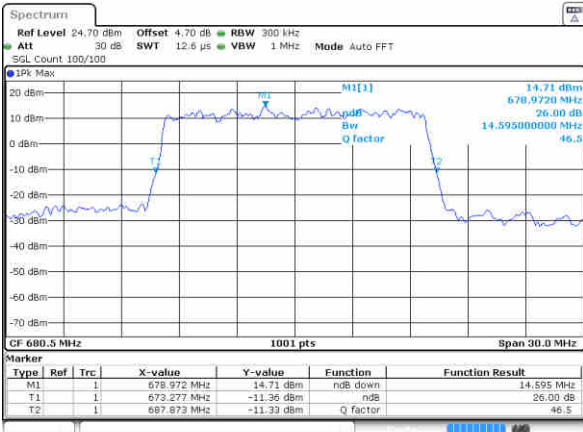
Date: 6 FEB 2020 02:06:12

Lowest Channel / 20MHz / 64QAM



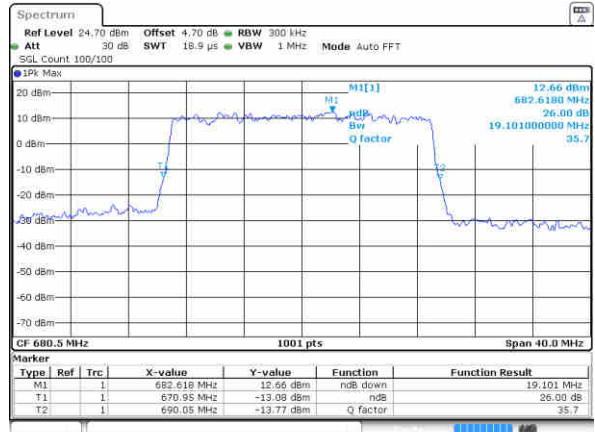
Date: 6 FEB 2020 02:27:15

Middle Channel / 15MHz / 64QAM



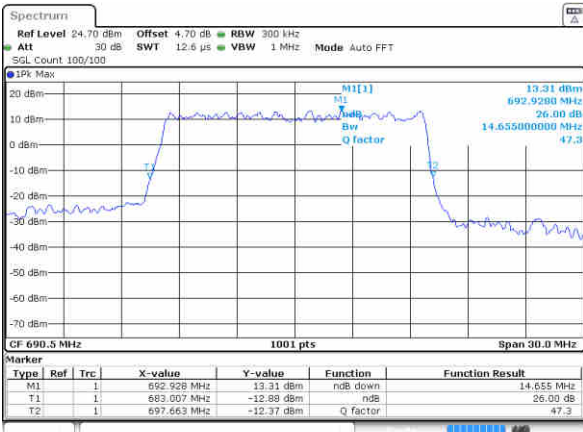
Date: 6 FEB 2020 02:16:07

Middle Channel / 20MHz / 64QAM



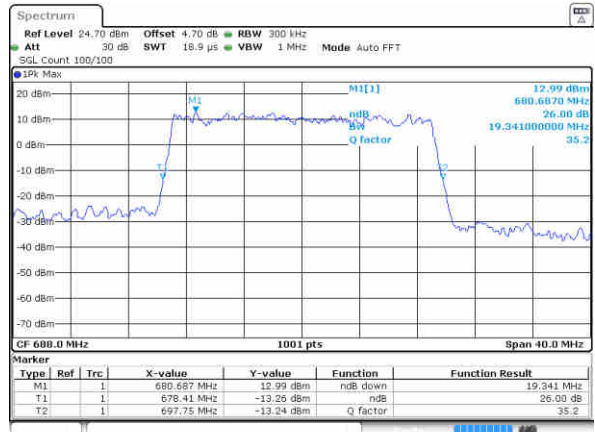
Date: 6 FEB 2020 02:37:19

Highest Channel / 15MHz / 64QAM



Date: 6 FEB 2020 02:19:16

Highest Channel / 20MHz / 64QAM



Date: 6 FEB 2020 02:38:05



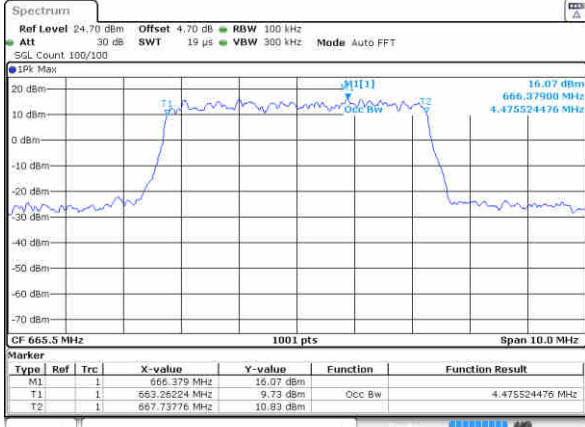
Occupied Bandwidth

| Mode       | LTE Band 71 : 99%OBW(MHz) |   |   |   |       |       |       |       |       |       |       |       |
|------------|---------------------------|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | -                         |   | - |   | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                         | - | - | - | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | - | - | - | 4.48  | 4.48  | 8.97  | 9.01  | 13.43 | 13.43 | 17.90 | 17.90 |
| Middle CH  | -                         | - | - | - | 4.50  | 4.47  | 8.99  | 8.95  | 13.46 | 13.43 | 17.82 | 17.86 |
| Highest CH | -                         | - | - | - | 4.51  | 4.50  | 8.99  | 9.01  | 13.46 | 13.43 | 17.86 | 17.86 |
| Mode       | LTE Band 71 : 99%OBW(MHz) |   |   |   |       |       |       |       |       |       |       |       |
| BW         | -                         |   | - |   | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                         | - | - | - | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM | -     |
| Lowest CH  | -                         | - | - | - | 4.52  | -     | 9.03  | -     | 13.34 | -     | 17.82 | -     |
| Middle CH  | -                         | - | - | - | 4.50  | -     | 8.99  | -     | 13.37 | -     | 17.78 | -     |
| Highest CH | -                         | - | - | - | 4.49  | -     | 9.03  | -     | 13.46 | -     | 17.86 | -     |



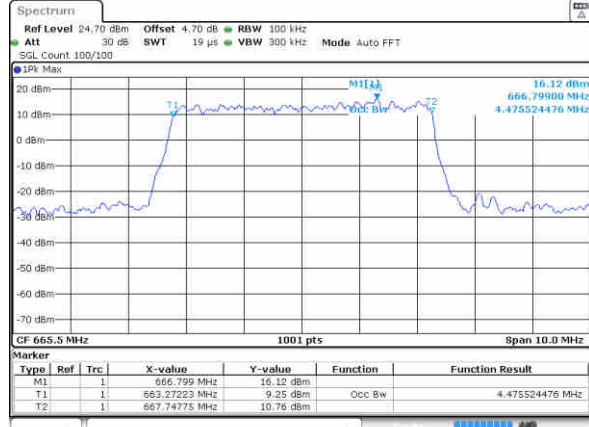
LTE Band 71

Lowest Channel / 5MHz / QPSK



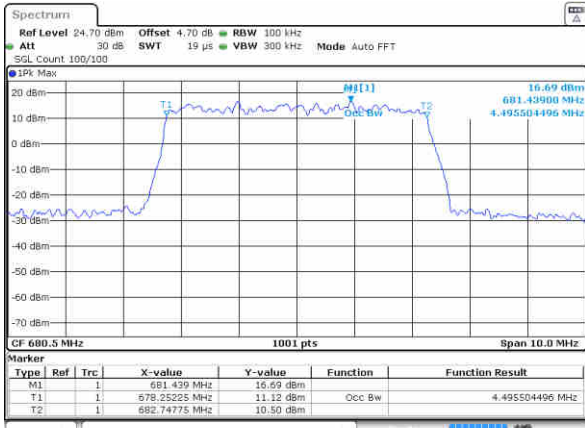
Date: 6 FEB 2020 00:58:45

Lowest Channel / 5MHz / 16QAM



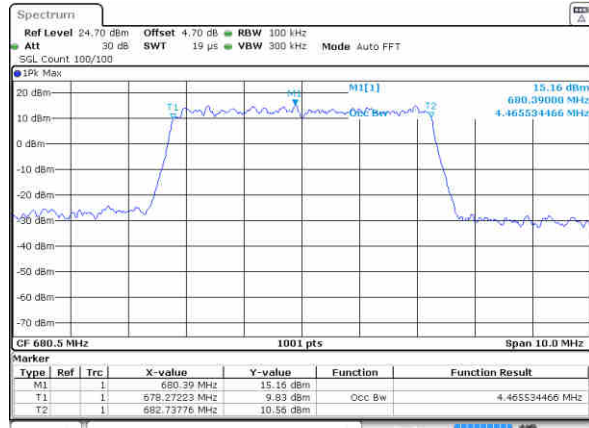
Date: 6 FEB 2020 00:59:50

Middle Channel / 5MHz / QPSK



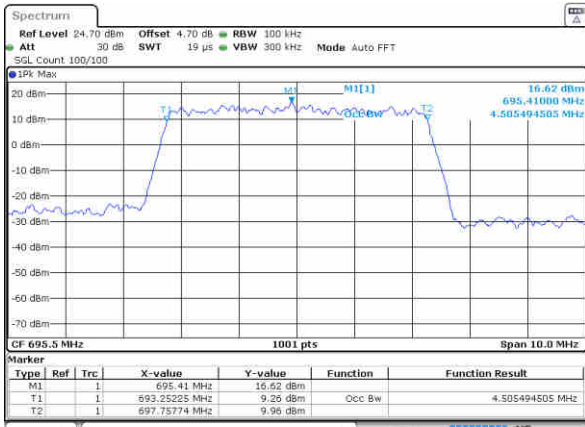
Date: 6 FEB 2020 01:11:10

Middle Channel / 5MHz / 16QAM



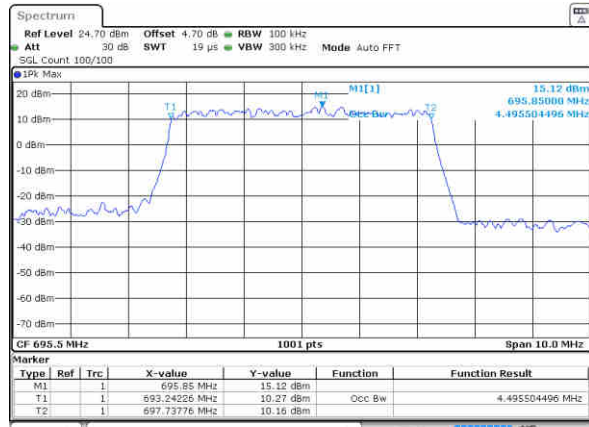
Date: 6 FEB 2020 01:10:52

Highest Channel / 5MHz / QPSK



Date: 6 FEB 2020 01:12:34

Highest Channel / 5MHz / 16QAM



Date: 6 FEB 2020 01:13:39