

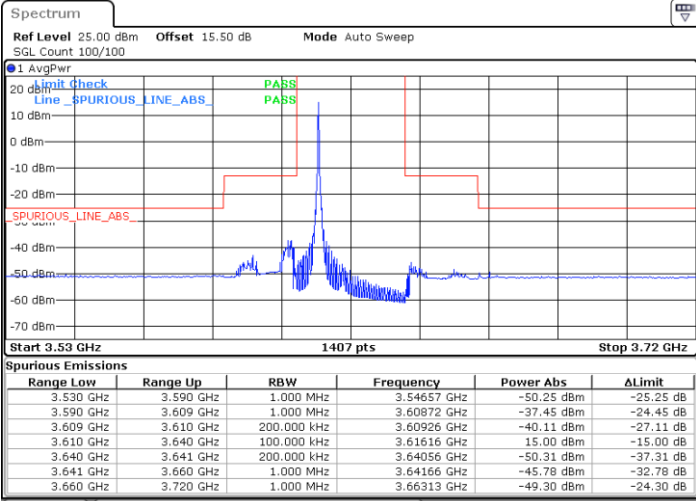


LTE Band 48 / 20MHz

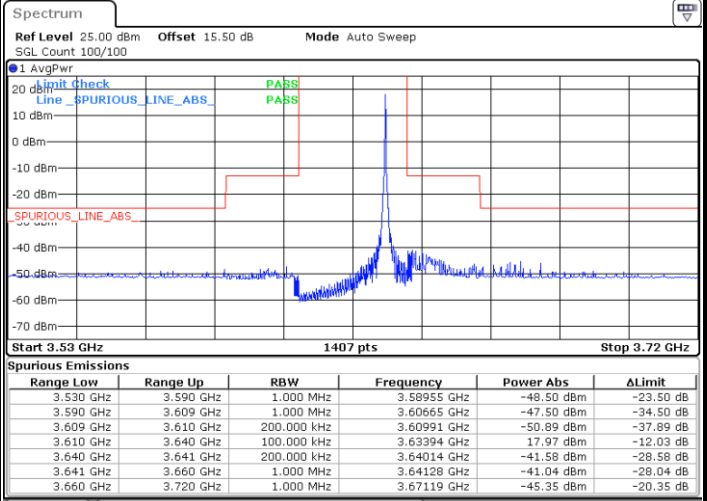
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



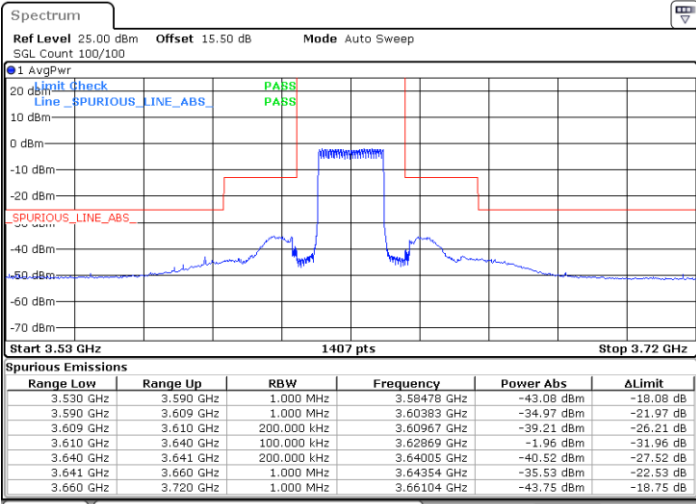
Date: 5.AUG.2022 21:06:27



Date: 5.AUG.2022 21:15:54

Middle Channel / FullIRB

N/A



Date: 5.AUG.2022 20:57:01

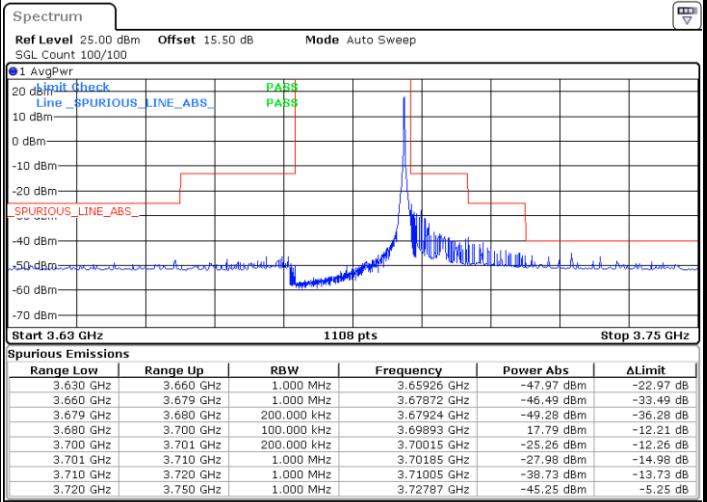
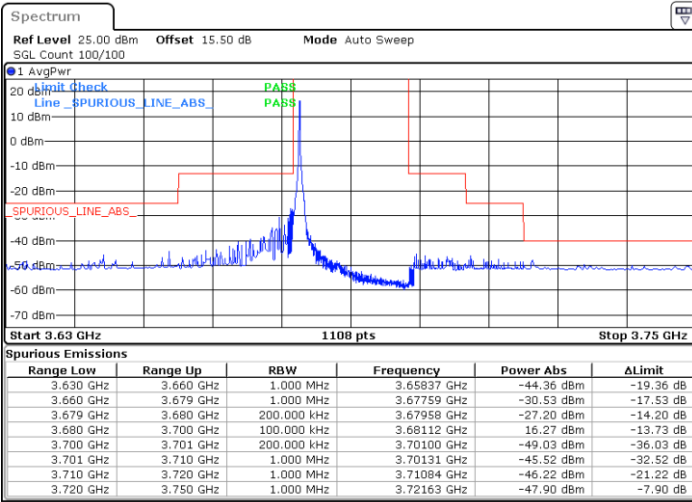


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

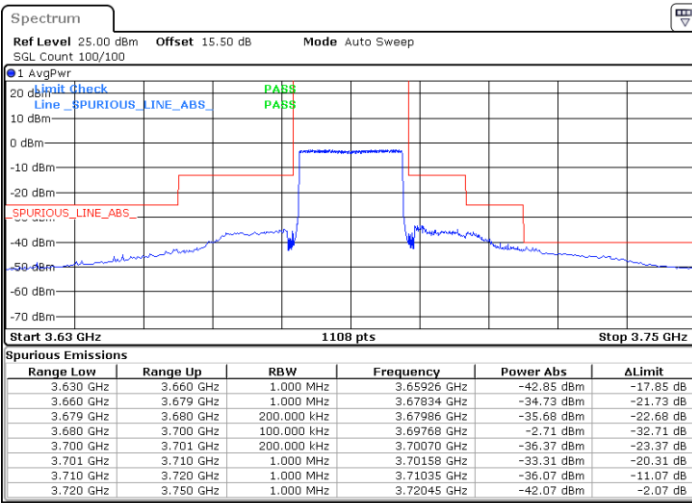


Date: 5.AUG.2022 21:07:30

Date: 5.AUG.2022 21:16:56

Highest Channel / FullIRB

N/A



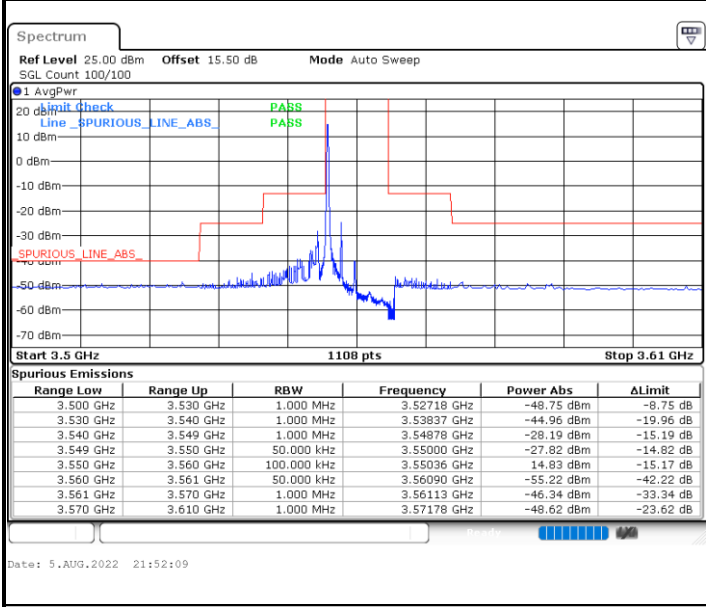
Date: 5.AUG.2022 20:58:04



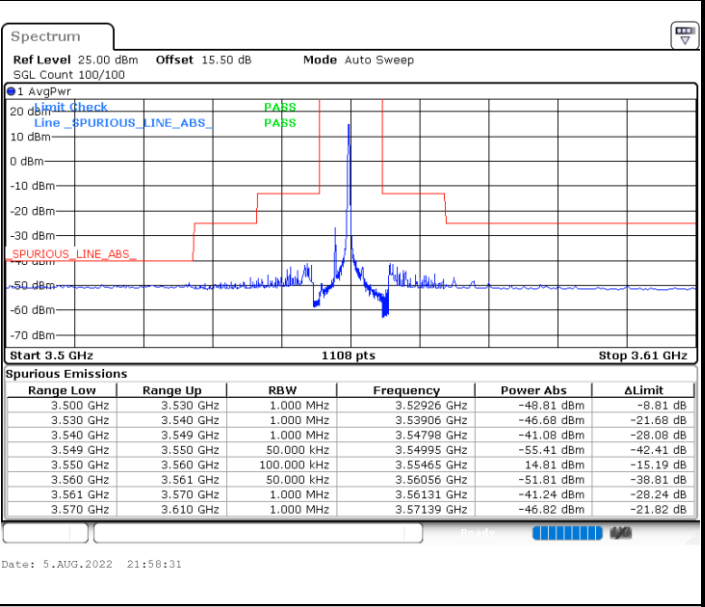
LTE Band 48 / 5MHz

256QAM

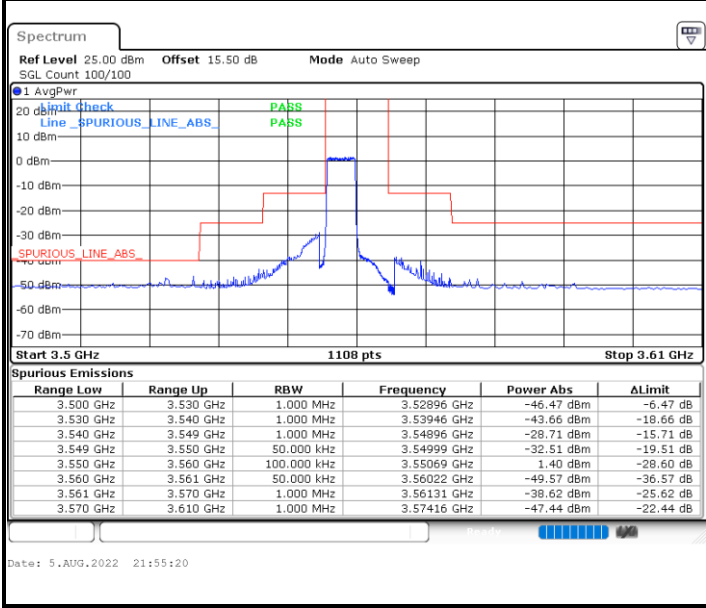
Lowest Channel / 1RB0



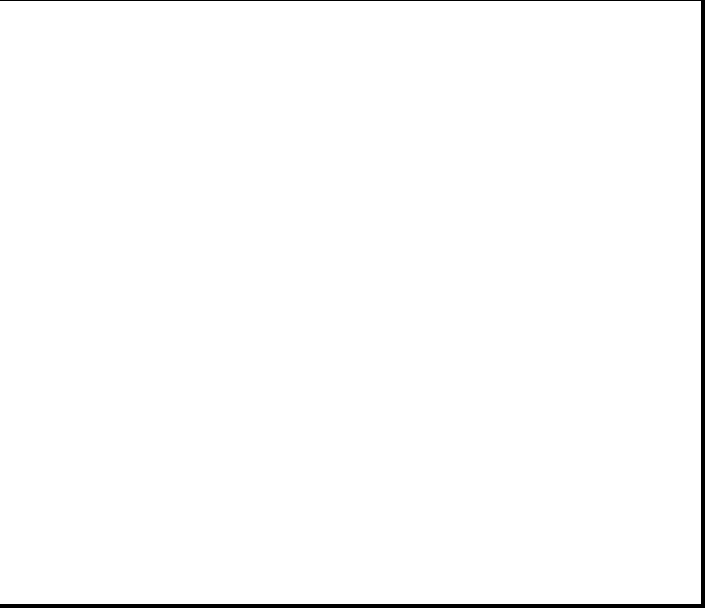
Lowest Channel / 1RBmax



Lowest Channel / FullIRB



N/A



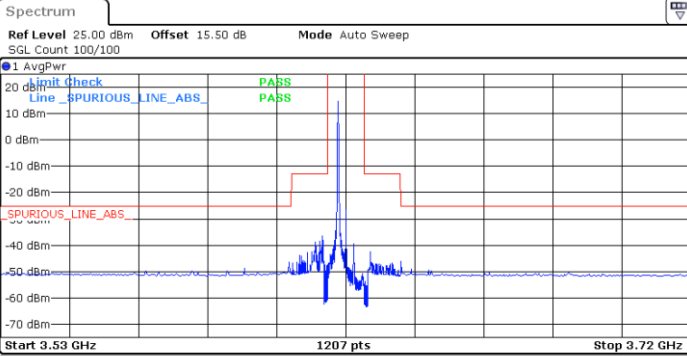


LTE Band 48 / 5MHz

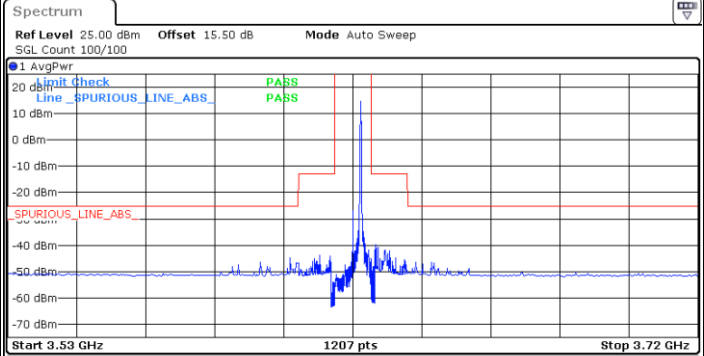
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.610 GHz | 1.000 MHz   | 3.60940 GHz | -46.40 dBm | -21.40 dB |
| 3.610 GHz | 3.619 GHz | 1.000 MHz   | 3.61851 GHz | -36.31 dBm | -23.31 dB |
| 3.619 GHz | 3.620 GHz | 50.000 kHz  | 3.61992 GHz | -47.47 dBm | -34.47 dB |
| 3.620 GHz | 3.630 GHz | 100.000 kHz | 3.62286 GHz | 14.68 dBm  | -15.32 dB |
| 3.630 GHz | 3.631 GHz | 50.000 kHz  | 3.63032 GHz | -53.81 dBm | -40.81 dB |
| 3.631 GHz | 3.640 GHz | 1.000 MHz   | 3.63185 GHz | -42.31 dBm | -29.31 dB |
| 3.640 GHz | 3.720 GHz | 1.000 MHz   | 3.64020 GHz | -46.16 dBm | -21.16 dB |



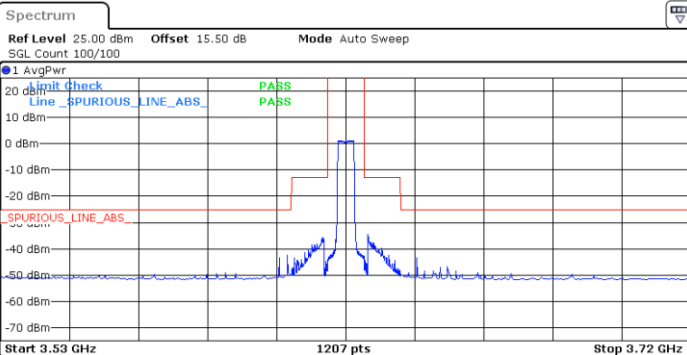
| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.610 GHz | 1.000 MHz   | 3.60781 GHz | -44.67 dBm | -19.67 dB |
| 3.610 GHz | 3.619 GHz | 1.000 MHz   | 3.61584 GHz | -43.73 dBm | -30.73 dB |
| 3.619 GHz | 3.620 GHz | 50.000 kHz  | 3.61947 GHz | -53.91 dBm | -40.91 dB |
| 3.620 GHz | 3.630 GHz | 100.000 kHz | 3.62717 GHz | 14.63 dBm  | -15.37 dB |
| 3.630 GHz | 3.631 GHz | 50.000 kHz  | 3.63003 GHz | -45.22 dBm | -32.22 dB |
| 3.631 GHz | 3.640 GHz | 1.000 MHz   | 3.63113 GHz | -39.73 dBm | -26.73 dB |
| 3.640 GHz | 3.720 GHz | 1.000 MHz   | 3.64657 GHz | -46.55 dBm | -21.55 dB |

Date: 5.AUG.2022 21:53:12

Date: 5.AUG.2022 21:59:34

Middle Channel / FullIRB

N/A



| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.610 GHz | 1.000 MHz   | 3.60900 GHz | -42.60 dBm | -17.60 dB |
| 3.610 GHz | 3.619 GHz | 1.000 MHz   | 3.61878 GHz | -35.65 dBm | -22.65 dB |
| 3.619 GHz | 3.620 GHz | 50.000 kHz  | 3.61945 GHz | -44.89 dBm | -31.89 dB |
| 3.620 GHz | 3.630 GHz | 100.000 kHz | 3.62318 GHz | 1.21 dBm   | -28.79 dB |
| 3.630 GHz | 3.631 GHz | 50.000 kHz  | 3.63020 GHz | -44.58 dBm | -31.58 dB |
| 3.631 GHz | 3.640 GHz | 1.000 MHz   | 3.63104 GHz | -34.54 dBm | -21.54 dB |
| 3.640 GHz | 3.720 GHz | 1.000 MHz   | 3.64458 GHz | -43.42 dBm | -18.42 dB |

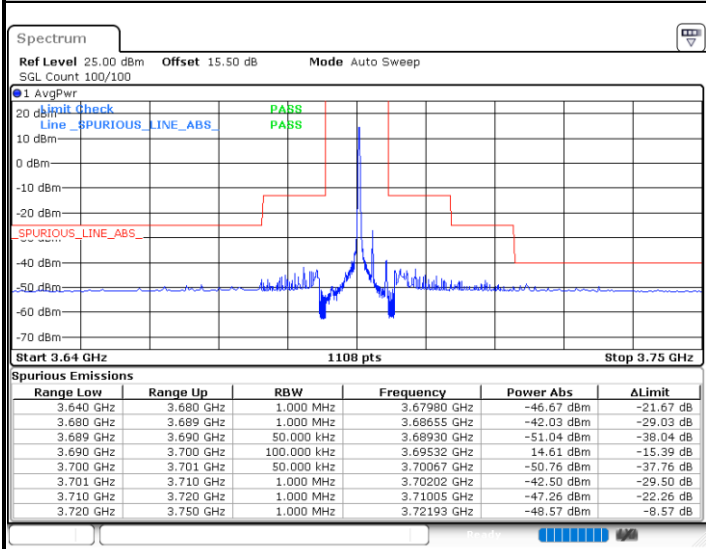
Date: 5.AUG.2022 21:56:23



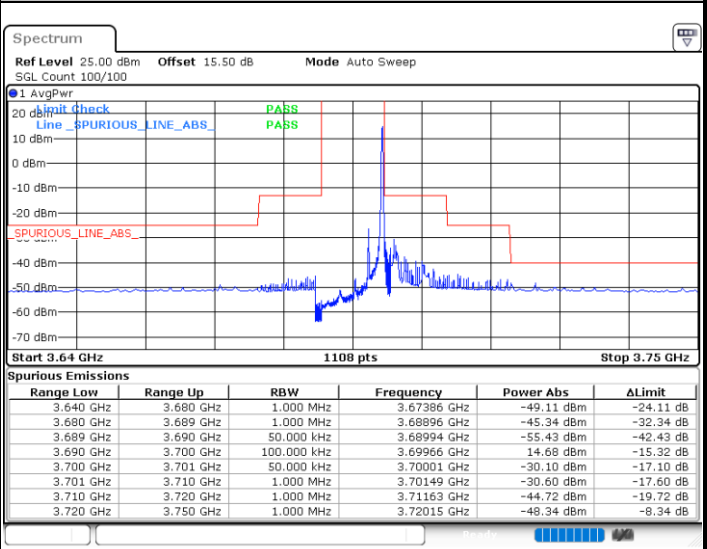
LTE Band 48 / 5MHz

256QAM

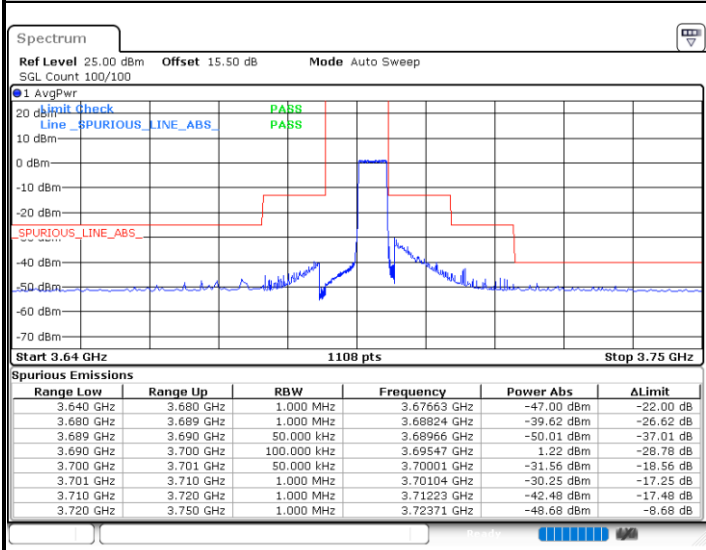
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullIRB



N/A

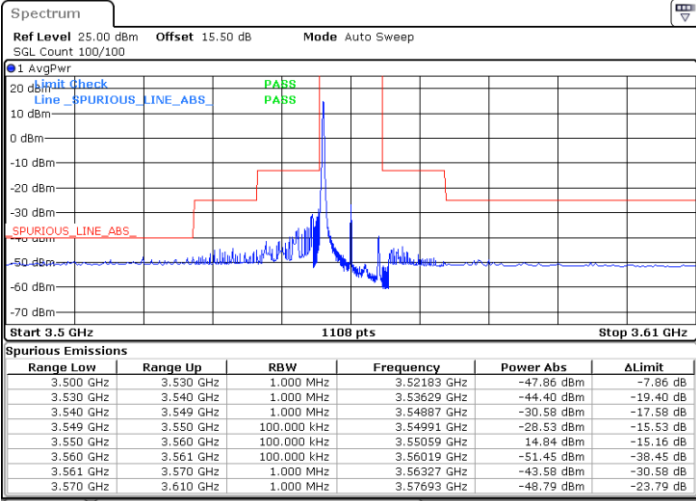


LTE Band 48 / 10MHz

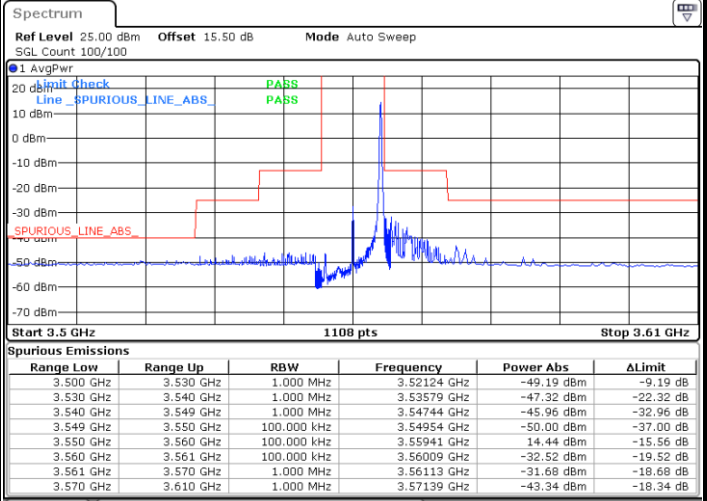
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



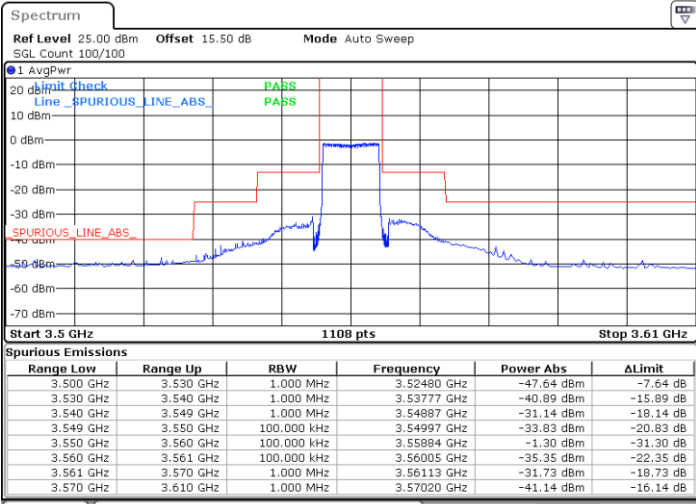
Date: 5.AUG.2022 22:01:45



Date: 5.AUG.2022 22:08:08

Lowest Channel / FullIRB

N/A



Date: 5.AUG.2022 22:04:56

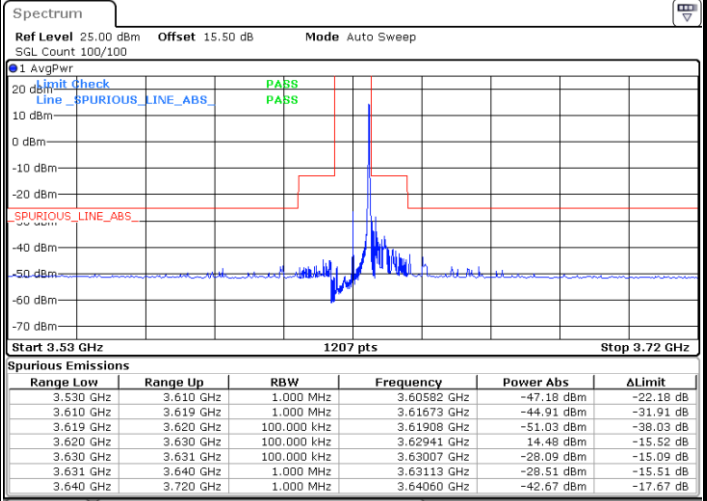
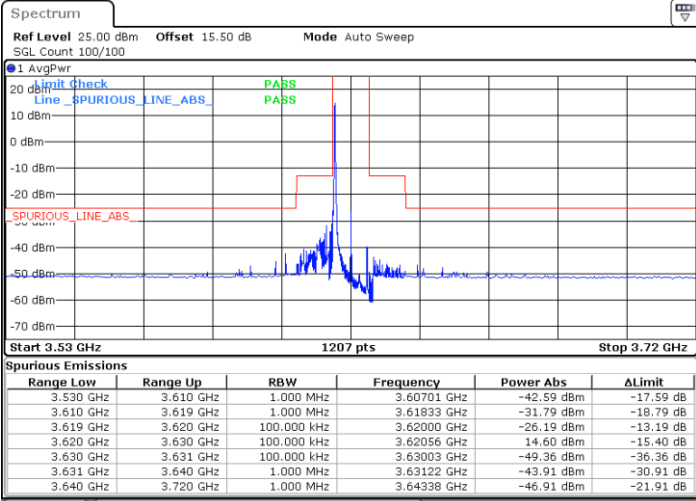


LTE Band 48 / 10MHz

256QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

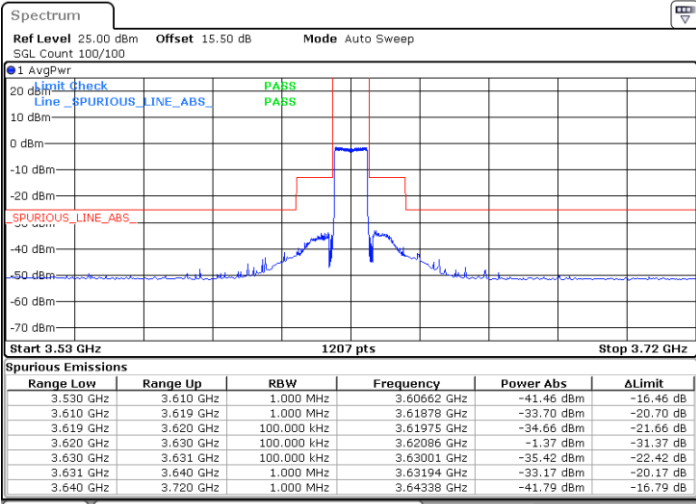


Date: 5.AUG.2022 22:02:48

Date: 5.AUG.2022 22:09:10

Middle Channel / FullIRB

N/A



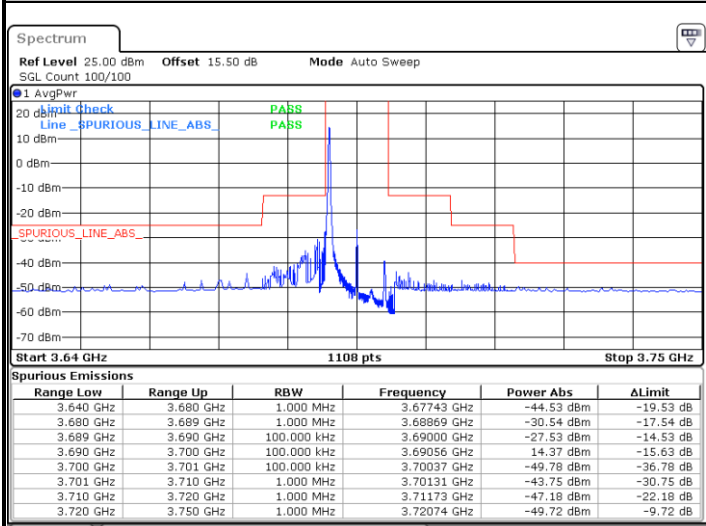
Date: 5.AUG.2022 22:05:59



LTE Band 48 / 10MHz

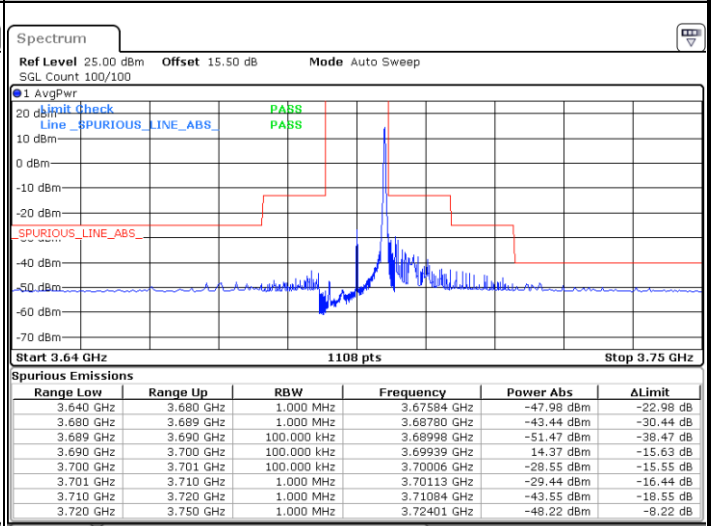
256QAM

Highest Channel / 1RB0



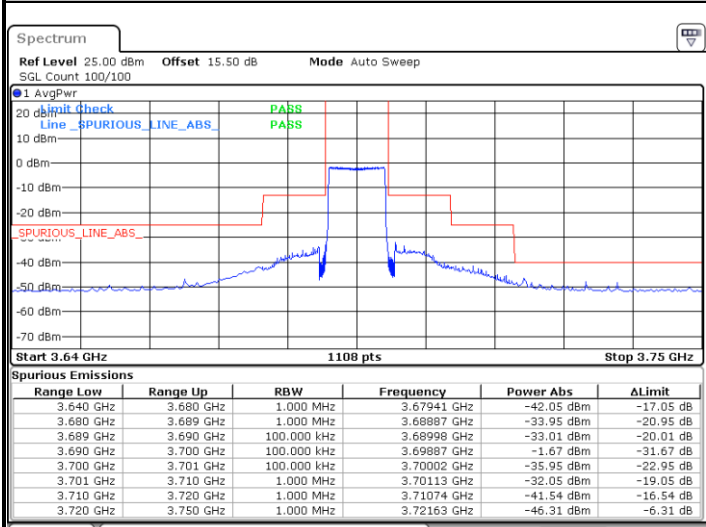
Date: 5.AUG.2022 22:03:50

Highest Channel / 1RBmax



Date: 5.AUG.2022 22:10:13

Highest Channel / FullIRB



Date: 5.AUG.2022 22:07:02

N/A



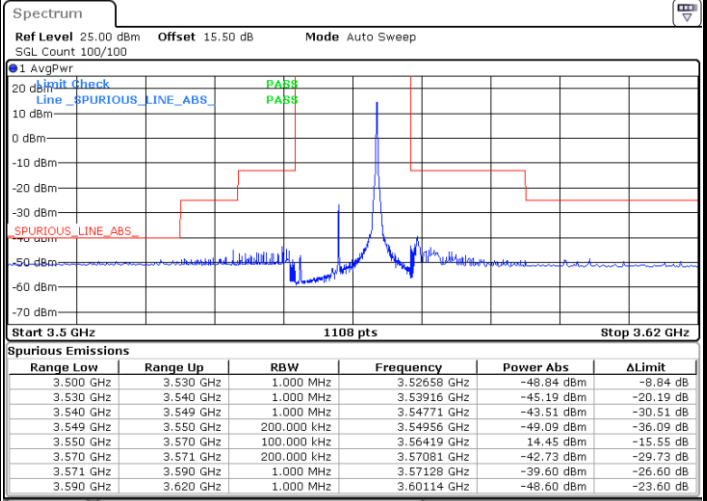
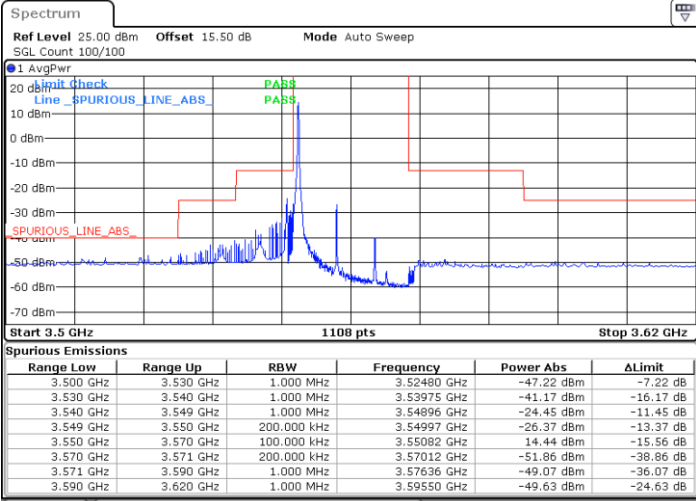


LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

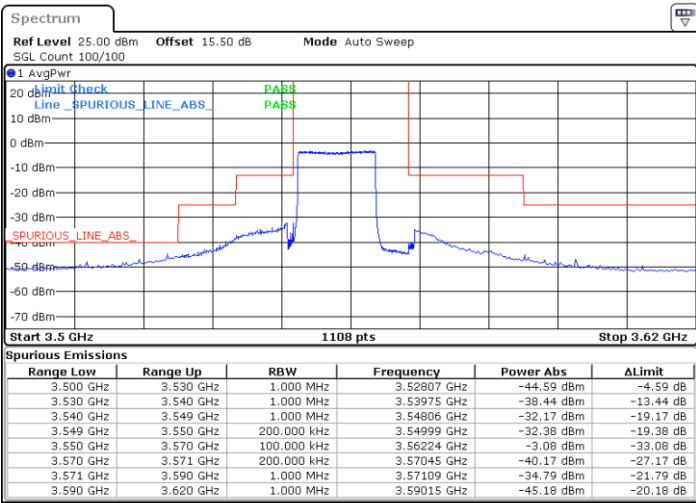


Date: 5.AUG.2022 22:11:21

Date: 5.AUG.2022 22:17:43

Lowest Channel / FullIRB

N/A



Date: 5.AUG.2022 22:14:32

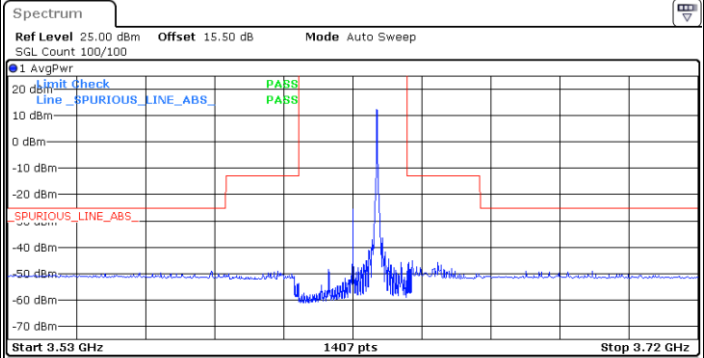
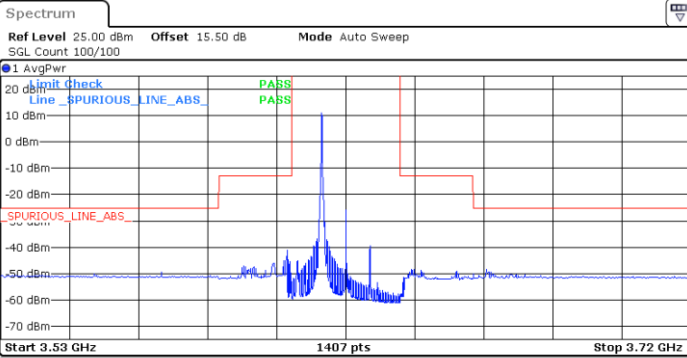


LTE Band 48 / 15MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



Spurious Emissions

| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.57433 GHz | -49.37 dBm | -24.37 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.60891 GHz | -41.26 dBm | -28.26 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60905 GHz | -44.92 dBm | -31.92 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.61826 GHz | 11.19 dBm  | -18.81 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64091 GHz | -51.35 dBm | -38.35 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64298 GHz | -48.32 dBm | -35.32 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.66373 GHz | -48.40 dBm | -23.40 dB |

Spurious Emissions

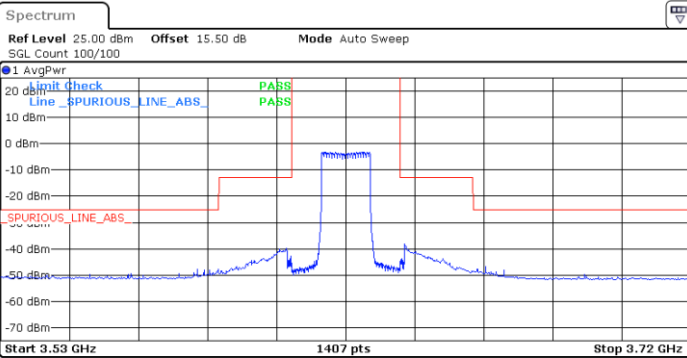
| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.58597 GHz | -49.05 dBm | -24.05 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.60439 GHz | -49.16 dBm | -36.16 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60999 GHz | -53.60 dBm | -40.60 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.63159 GHz | 12.44 dBm  | -17.56 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64033 GHz | -45.82 dBm | -32.82 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64128 GHz | -45.01 dBm | -32.01 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.67269 GHz | -49.04 dBm | -24.04 dB |

Date: 5.AUG.2022 22:12:23

Date: 5.AUG.2022 22:18:46

Middle Channel / FullIRB

N/A



Spurious Emissions

| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.58985 GHz | -47.63 dBm | -22.63 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.60872 GHz | -39.85 dBm | -26.85 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60998 GHz | -42.82 dBm | -29.82 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.62939 GHz | -3.11 dBm  | -33.11 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64030 GHz | -43.86 dBm | -30.86 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64109 GHz | -38.21 dBm | -25.21 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.66343 GHz | -46.83 dBm | -21.83 dB |

Date: 5.AUG.2022 22:15:35

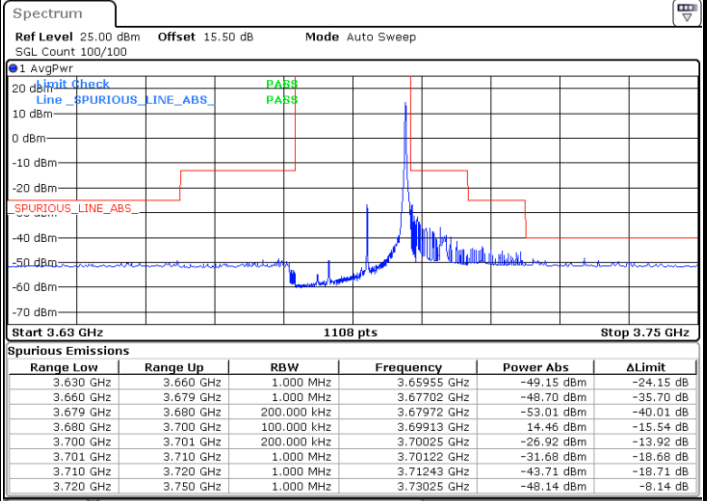
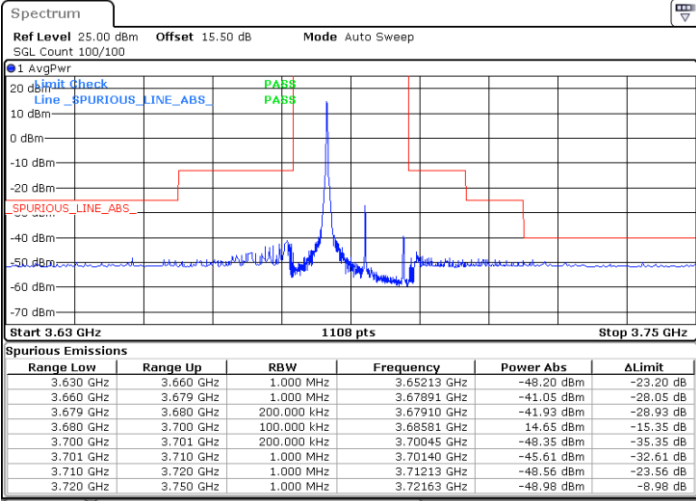


LTE Band 48 / 15MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

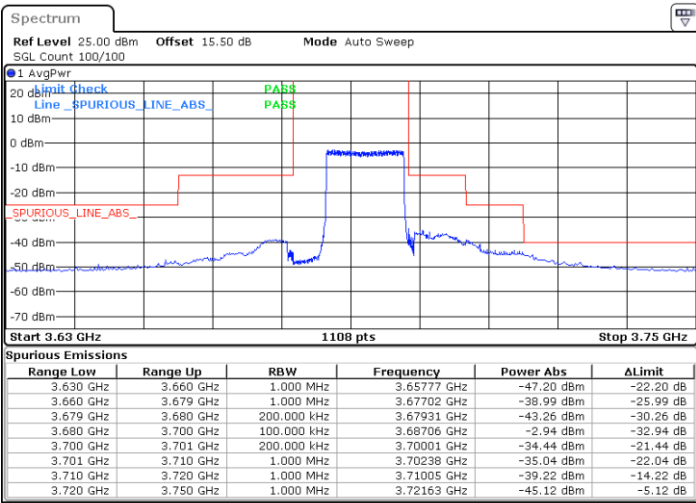


Date: 5.AUG.2022 22:13:26

Date: 5.AUG.2022 22:19:49

Highest Channel / FullIRB

N/A



Date: 5.AUG.2022 22:16:37

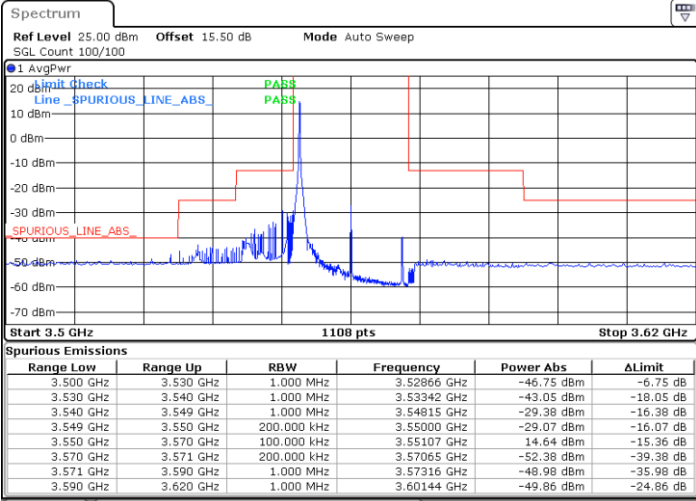


LTE Band 48 / 20MHz

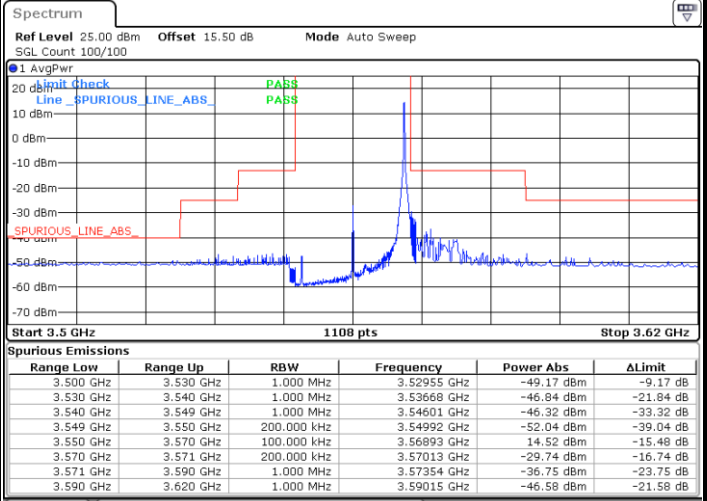
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



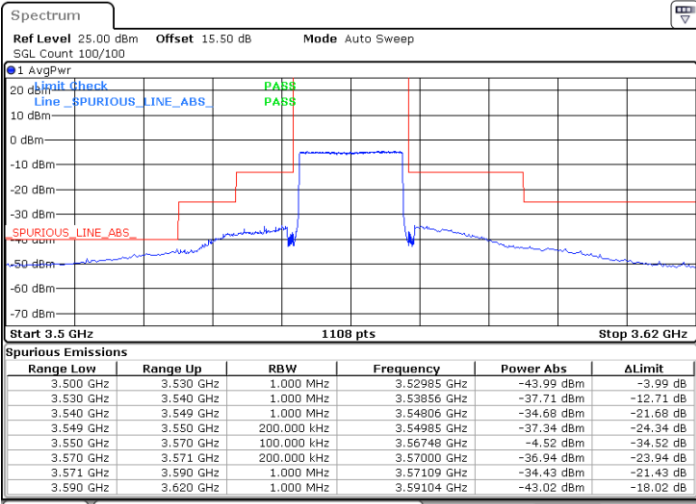
Date: 5.AUG.2022 22:24:09



Date: 5.AUG.2022 22:27:20

Lowest Channel / FullIRB

N/A



Date: 5.AUG.2022 22:20:57

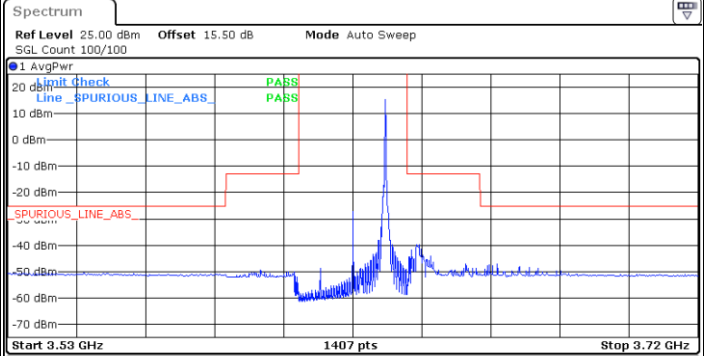
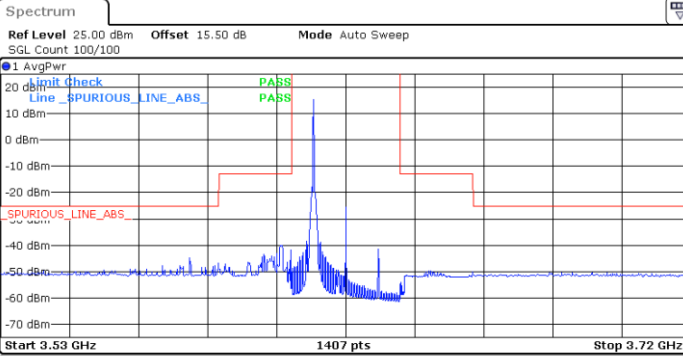


LTE Band 48 / 20MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.58209 GHz | -44.73 dBm | -19.73 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.60740 GHz | -40.10 dBm | -27.10 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60996 GHz | -41.92 dBm | -28.92 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.61611 GHz | 15.38 dBm  | -14.62 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64022 GHz | -53.91 dBm | -40.91 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64787 GHz | -49.78 dBm | -36.78 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.68731 GHz | -50.99 dBm | -25.99 dB |

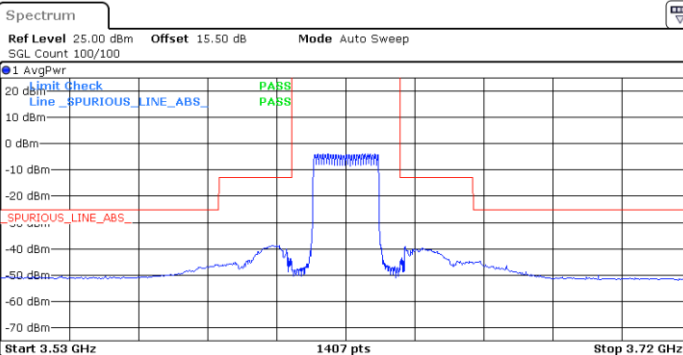
| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.55104 GHz | -50.51 dBm | -25.51 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.59950 GHz | -49.31 dBm | -36.31 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60912 GHz | -51.71 dBm | -38.71 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.63389 GHz | 15.45 dBm  | -14.55 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64056 GHz | -44.44 dBm | -31.44 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64260 GHz | -39.72 dBm | -26.72 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.66463 GHz | -47.11 dBm | -22.11 dB |

Date: 5.AUG.2022 22:25:11

Date: 5.AUG.2022 22:28:23

Middle Channel / FullRB

N/A



| Range Low | Range Up  | RBW         | Frequency   | Power Abs  | ΔLimit    |
|-----------|-----------|-------------|-------------|------------|-----------|
| 3.530 GHz | 3.590 GHz | 1.000 MHz   | 3.58925 GHz | -46.10 dBm | -21.10 dB |
| 3.590 GHz | 3.609 GHz | 1.000 MHz   | 3.60514 GHz | -38.74 dBm | -25.74 dB |
| 3.609 GHz | 3.610 GHz | 200.000 kHz | 3.60923 GHz | -43.43 dBm | -30.43 dB |
| 3.610 GHz | 3.640 GHz | 100.000 kHz | 3.62104 GHz | -3.82 dBm  | -33.82 dB |
| 3.640 GHz | 3.641 GHz | 200.000 kHz | 3.64038 GHz | -43.54 dBm | -30.54 dB |
| 3.641 GHz | 3.660 GHz | 1.000 MHz   | 3.64128 GHz | -39.22 dBm | -26.22 dB |
| 3.660 GHz | 3.720 GHz | 1.000 MHz   | 3.66194 GHz | -44.93 dBm | -19.93 dB |

Date: 5.AUG.2022 22:22:00

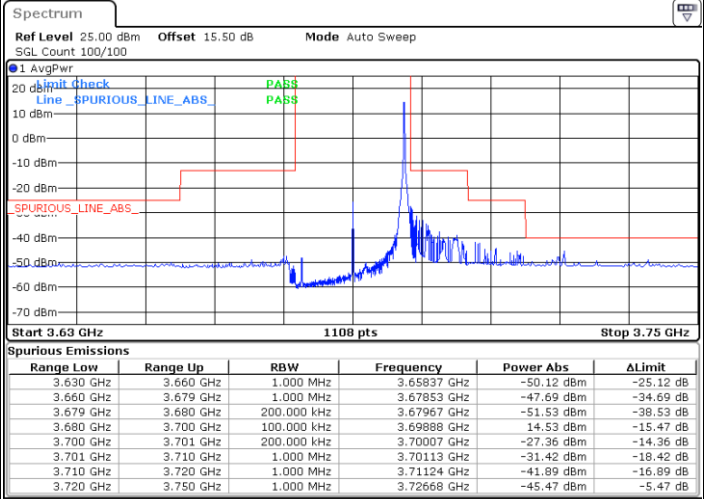
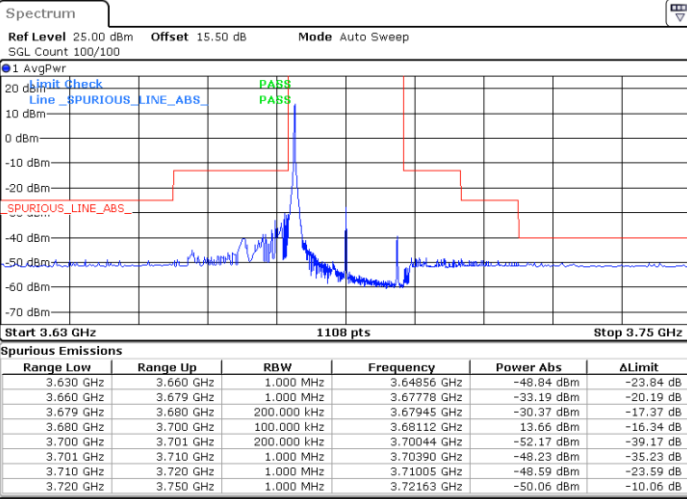


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

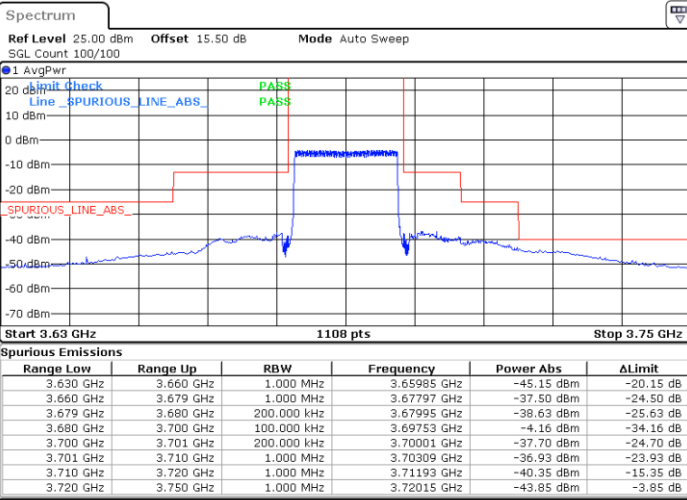


Date: 5.AUG.2022 22:26:14

Date: 5.AUG.2022 22:29:26

Highest Channel / FullIRB

N/A



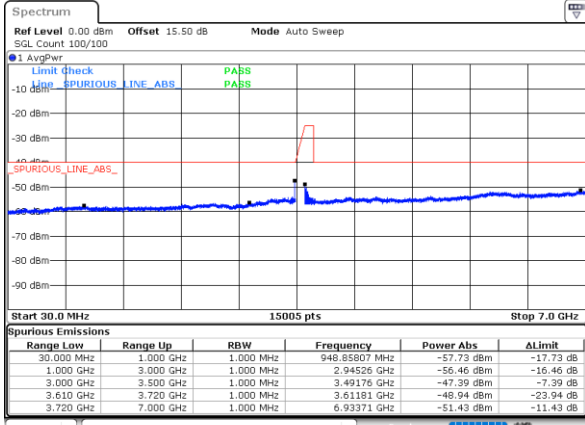
Date: 5.AUG.2022 22:23:02



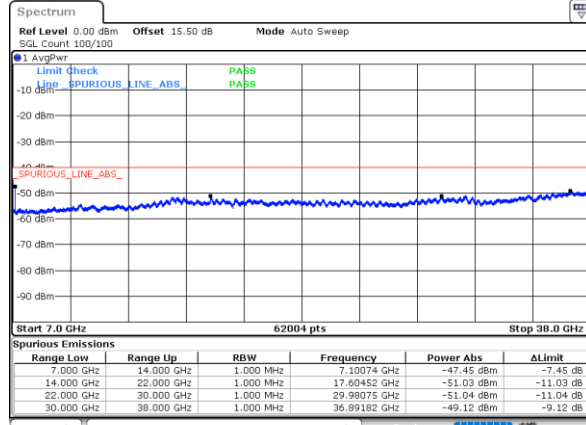
# Conducted Spurious Emission

## LTE Band 48 / 5MHz

### Lowest Channel / QPSK

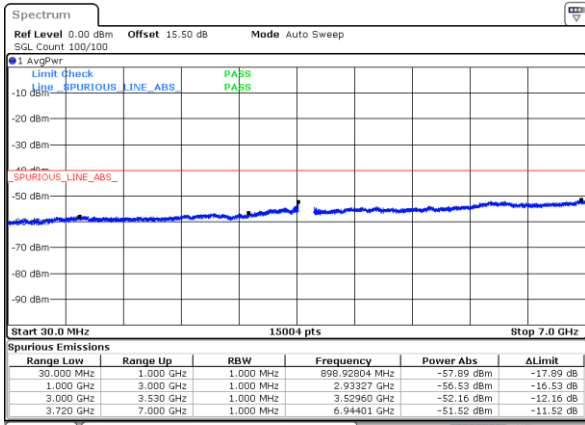


Date: 5.AUG.2022 21:20:26

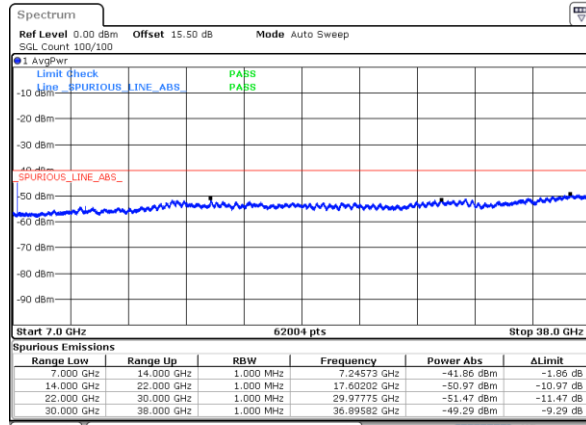


Date: 5.AUG.2022 21:36:20

### Middle Channel / QPSK

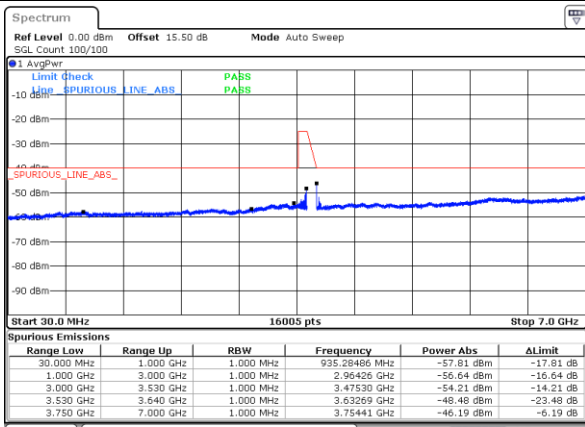


Date: 5.AUG.2022 21:21:43

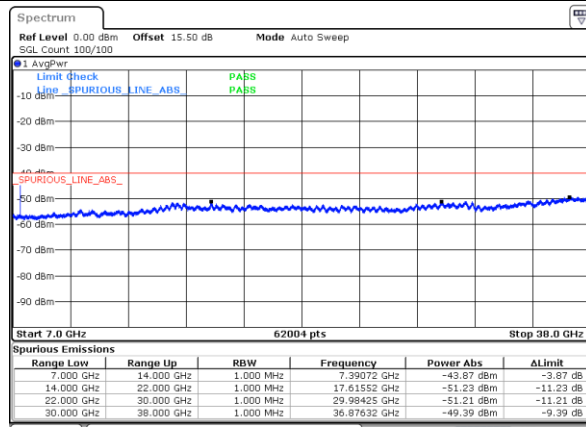


Date: 5.AUG.2022 21:37:38

### Highest Channel / QPSK



Date: 5.AUG.2022 21:23:01

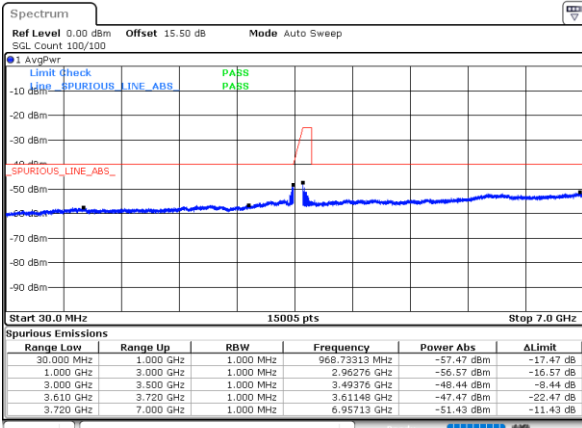


Date: 5.AUG.2022 21:38:56

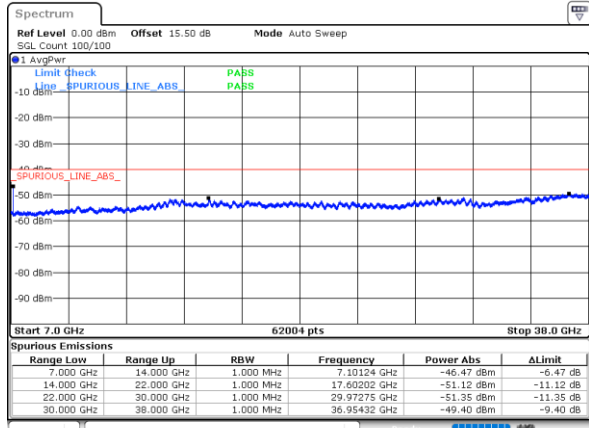


LTE Band 48 / 10MHz

Lowest Channel / QPSK

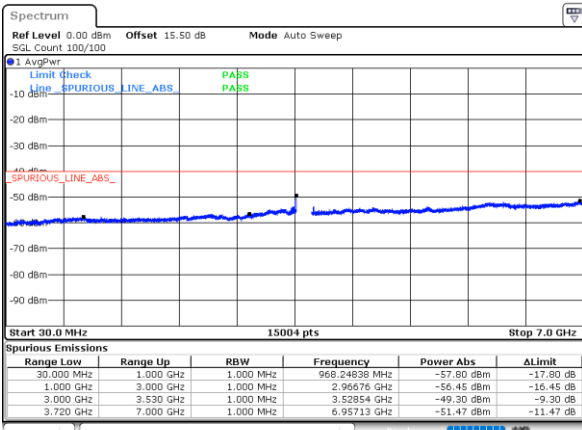


Date: 5.AUG.2022 21:24:24

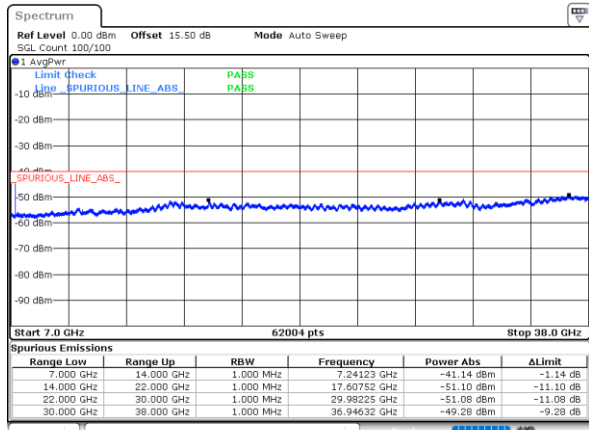


Date: 5.AUG.2022 21:40:21

Middle Channel / QPSK

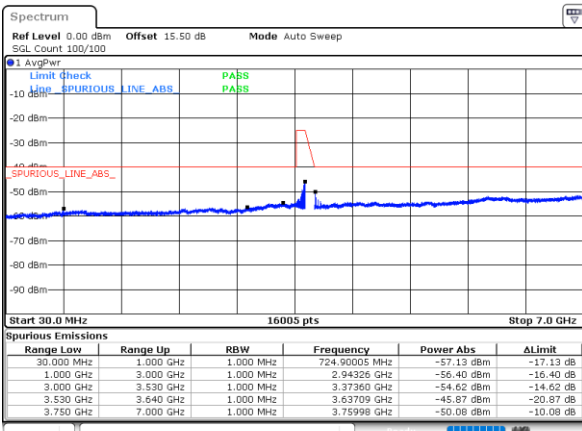


Date: 5.AUG.2022 21:25:42

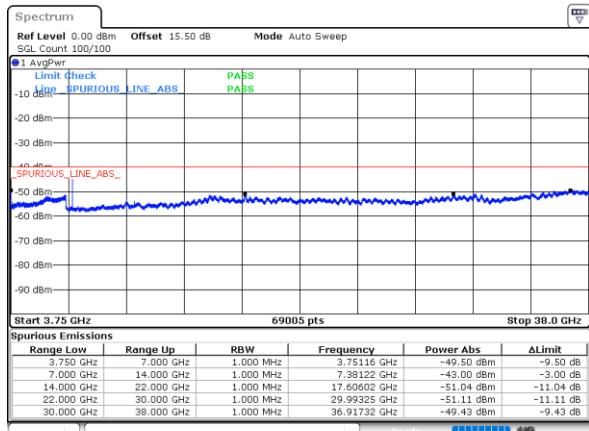


Date: 5.AUG.2022 21:41:39

Highest Channel / QPSK



Date: 5.AUG.2022 21:27:00



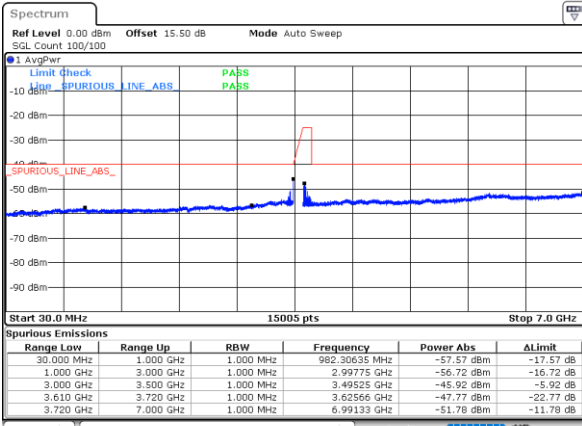
Date: 5.AUG.2022 21:42:59



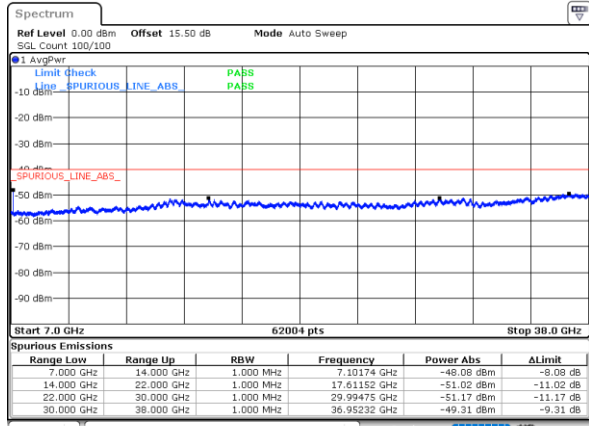


LTE Band 48 / 15MHz

Lowest Channel / QPSK

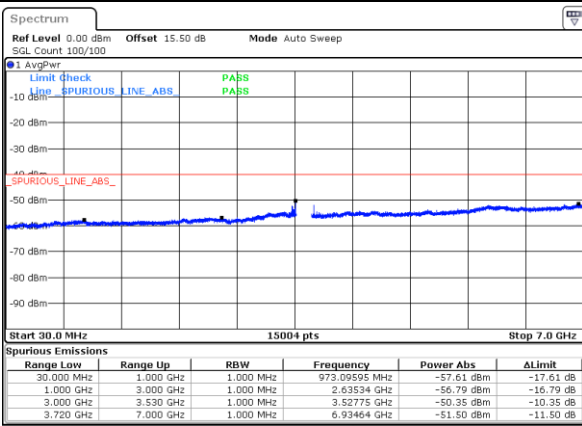


Date: 5\_AUG.2022 21:28:23

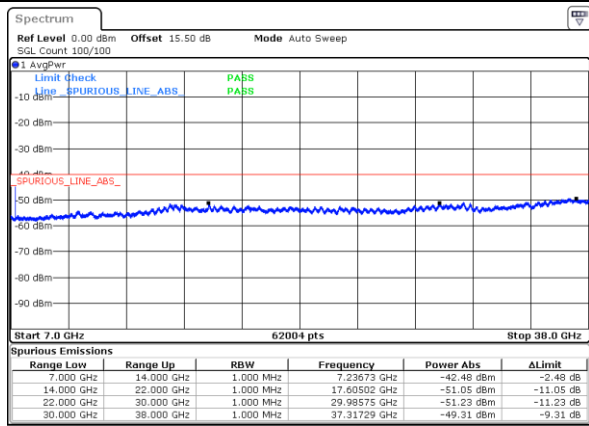


Date: 5\_AUG.2022 21:44:23

Middle Channel / QPSK

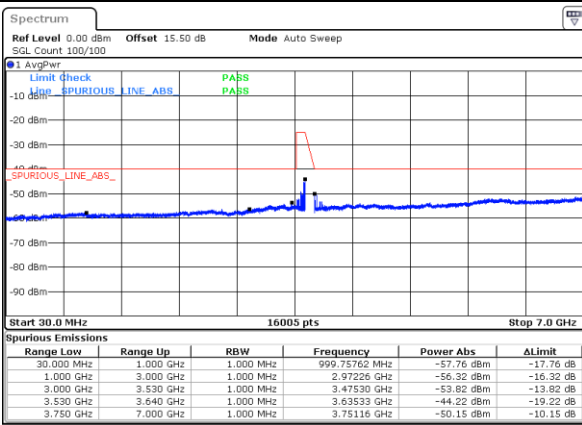


Date: 5\_AUG.2022 21:29:41

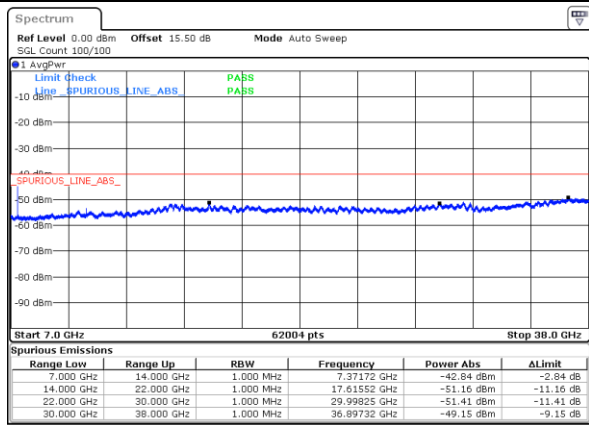


Date: 5\_AUG.2022 21:45:41

Highest Channel / QPSK



Date: 5\_AUG.2022 21:30:58

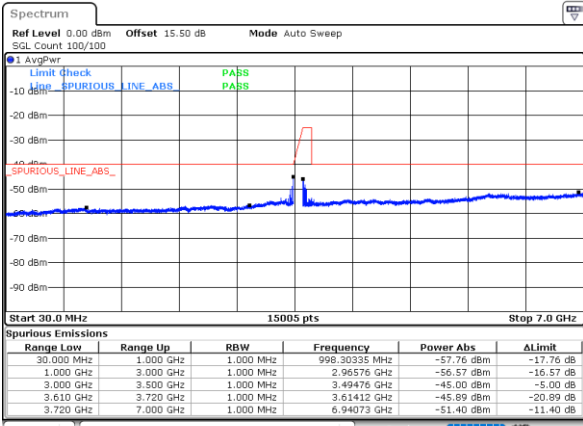


Date: 5\_AUG.2022 21:47:00

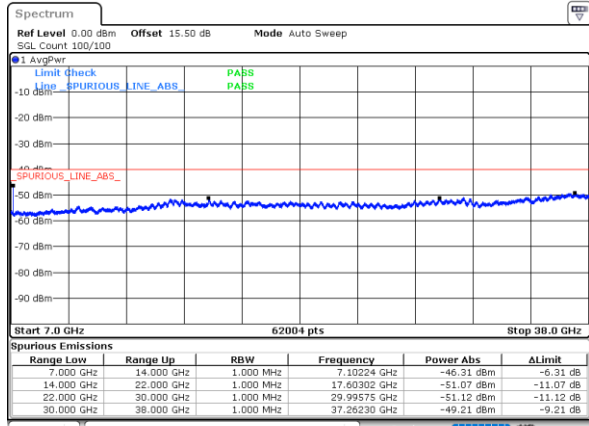


LTE Band 48 / 20MHz

Lowest Channel / QPSK

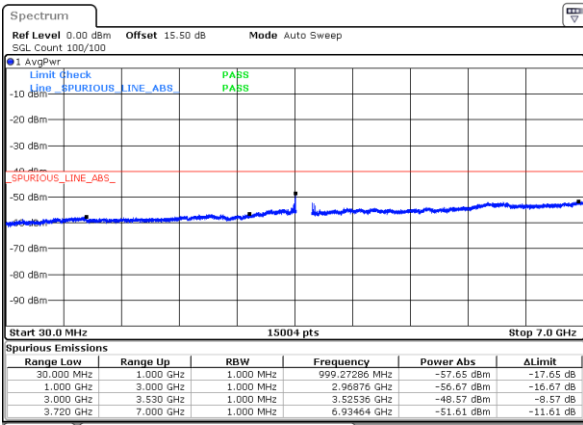


Date: 5\_AUG.2022 21:32:21

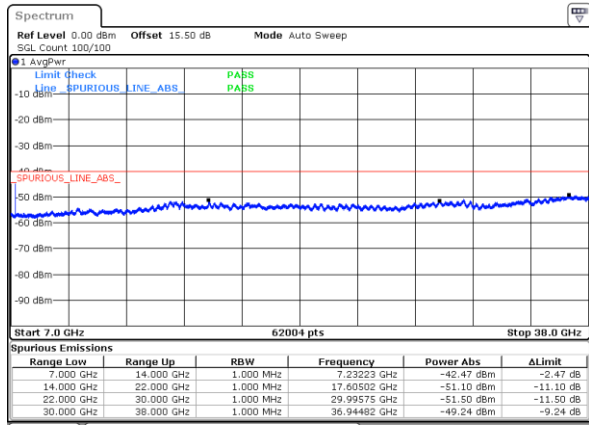


Date: 5\_AUG.2022 21:48:24

Middle Channel / QPSK

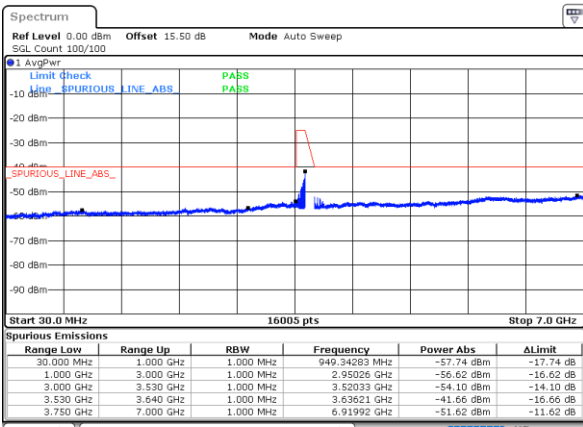


Date: 5\_AUG.2022 21:33:39

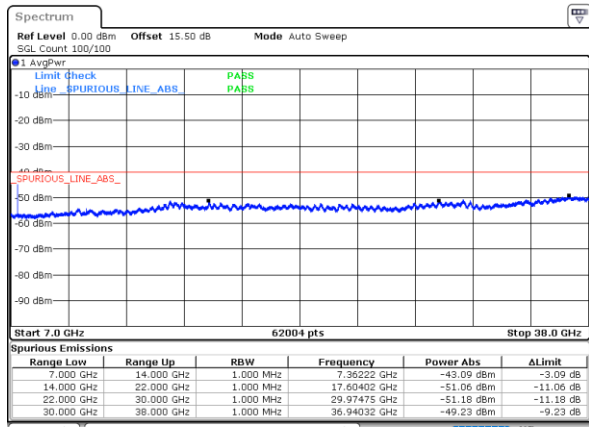


Date: 5\_AUG.2022 21:49:42

Highest Channel / QPSK



Date: 5\_AUG.2022 21:34:57



Date: 5\_AUG.2022 21:51:00



**Frequency Stability**

| Test Conditions  |                   | LTE Band 48 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0003                              | PASS    |
| 40               | Normal Voltage    | 0.0027                              |         |
| 30               | Normal Voltage    | 0.0021                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0030                              |         |
| 0                | Normal Voltage    | 0.0012                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0000                              |         |
| -30              | Normal Voltage    | 0.0012                              |         |
| 20               | Maximum Voltage   | 0.0025                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0009                              |         |

**Note:**

1. Normal Voltage = 3.30 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.63 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 48C

## 26dB Bandwidth

| Mode      | LTE Band 48C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| QPSK      |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.98                       | 29.91       | 34.62       | 24.98      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 30.03                       | 34.90       | 39.88       | -          |

| Mode      | LTE Band 48C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 16QAM     |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.73                       | 29.79       | 35.11       | 24.73      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 30.15                       | 34.76       | 39.80       | -          |

| Mode      | LTE Band 48C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 64QAM     |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.78                       | 29.85       | 34.97       | 24.78      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 30.03                       | 34.76       | 39.72       | -          |

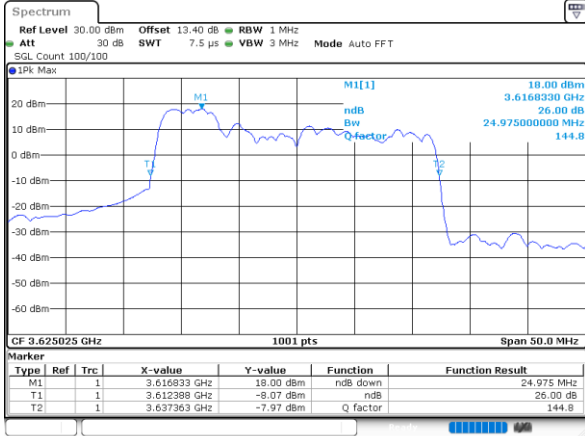
| Mode      | LTE Band 48C : 26dB BW(MHz) |             |             |            |
|-----------|-----------------------------|-------------|-------------|------------|
| 256QAM    |                             |             |             |            |
| BW        | 5MHz+20MHz                  | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 24.78                       | 29.79       | 34.76       | 24.98      |
| BW        | 20MHz+10MHz                 | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 29.91                       | 34.90       | 39.72       | -          |



LTE Band 48C

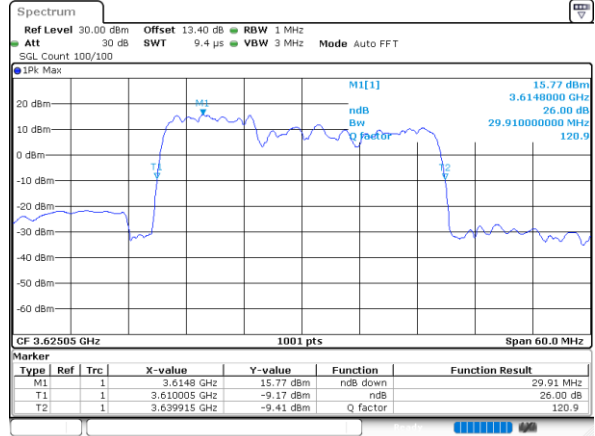
QPSK

Middle Channel / 5MHz+20MHz



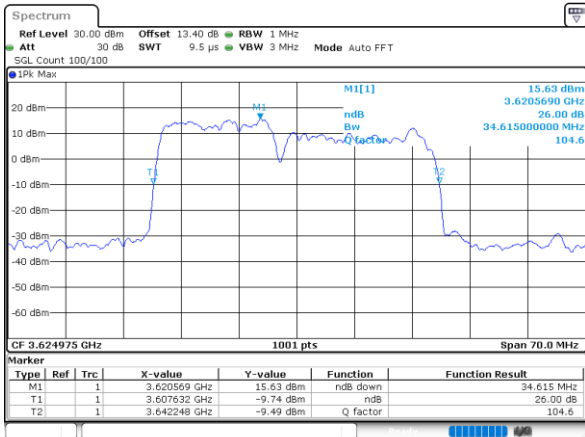
Date: 11.OCT.2022 11:15:19

Middle Channel / 10MHz+20MHz



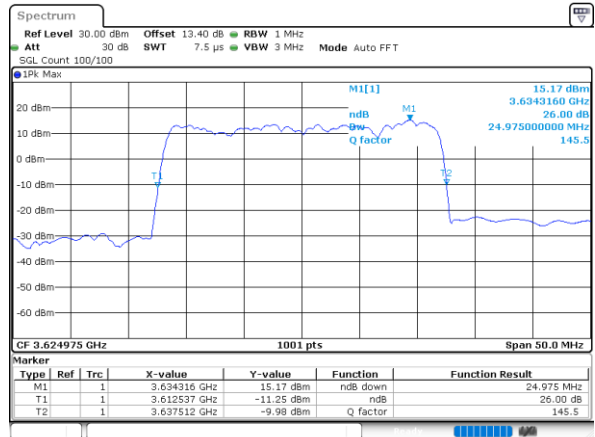
Date: 11.OCT.2022 11:25:57

Middle Channel / 15MHz+20MHz



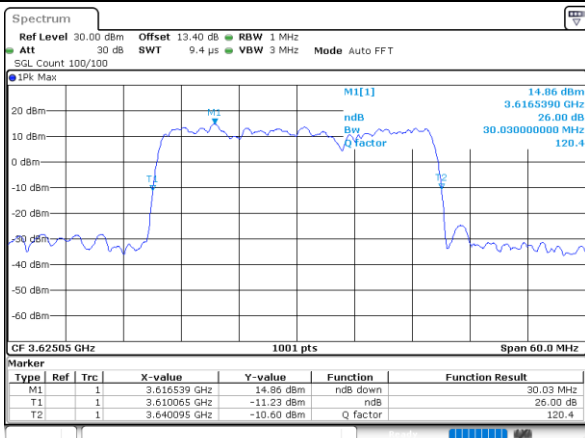
Date: 11.OCT.2022 11:36:34

Middle Channel / 20MHz+5MHz



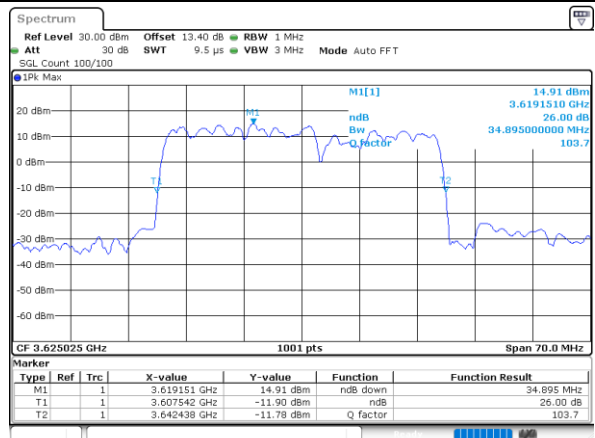
Date: 11.OCT.2022 11:20:38

Middle Channel / 20MHz+10MHz



Date: 11.OCT.2022 11:31:16

Middle Channel / 20MHz+15MHz



Date: 11.OCT.2022 11:41:53

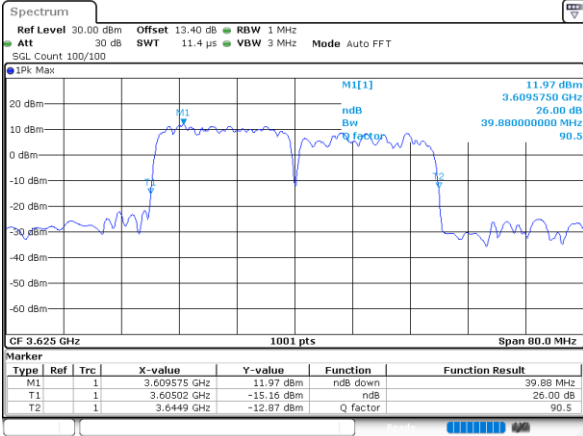


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

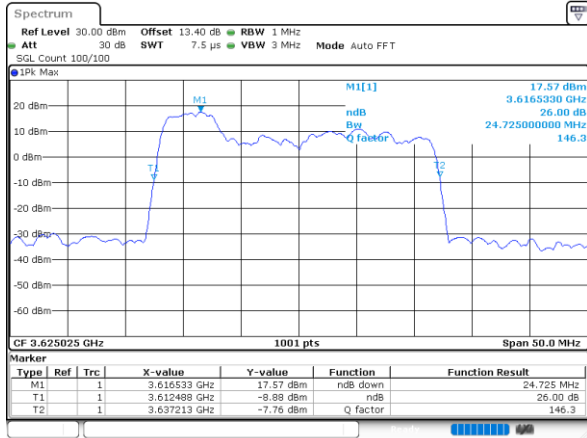




LTE Band 48C

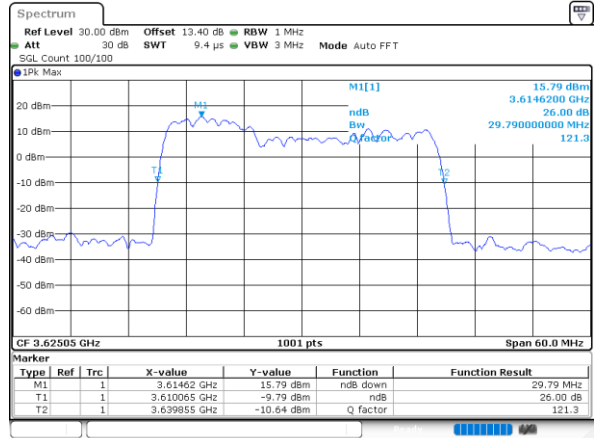
16QAM

Middle Channel / 5MHz+20MHz



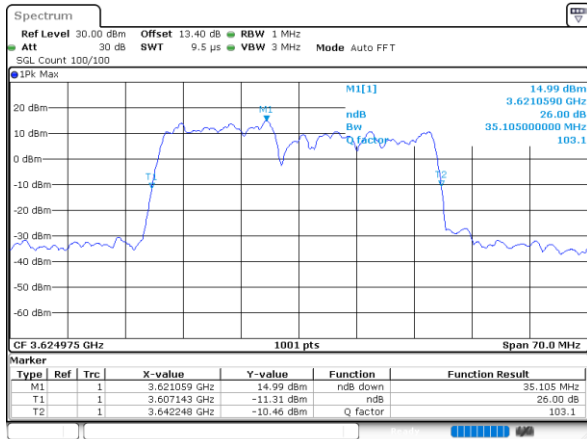
Date: 11.OCT.2022 11:14:41

Middle Channel / 10MHz+20MHz



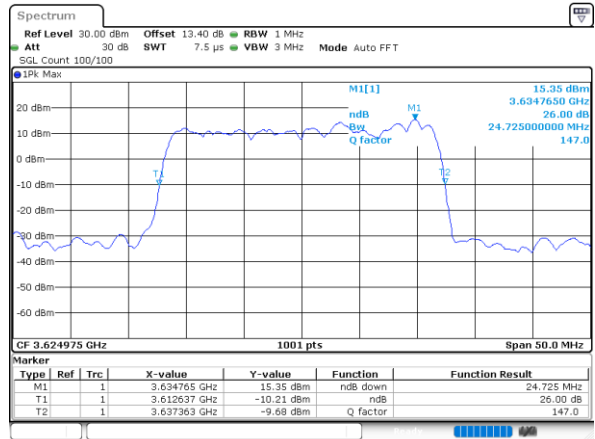
Date: 11.OCT.2022 11:25:18

Middle Channel / 15MHz+20MHz



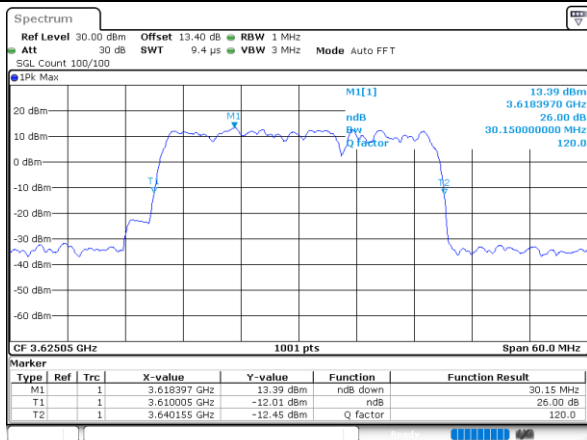
Date: 11.OCT.2022 11:35:55

Middle Channel / 20MHz+5MHz



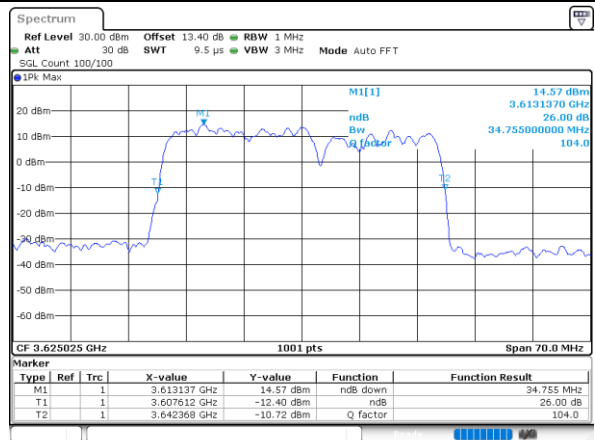
Date: 11.OCT.2022 11:20:00

Middle Channel / 20MHz+10MHz



Date: 11.OCT.2022 11:30:37

Middle Channel / 20MHz+15MHz



Date: 11.OCT.2022 11:41:14

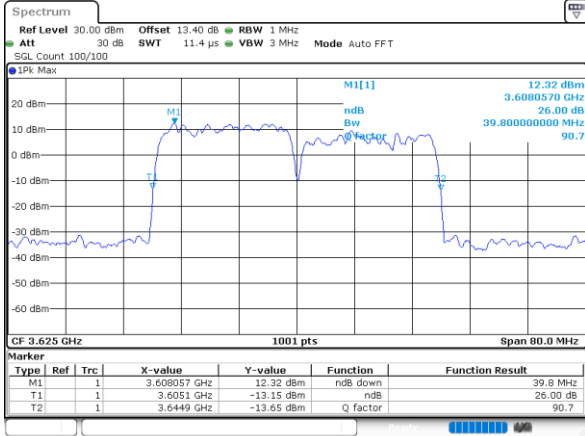


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



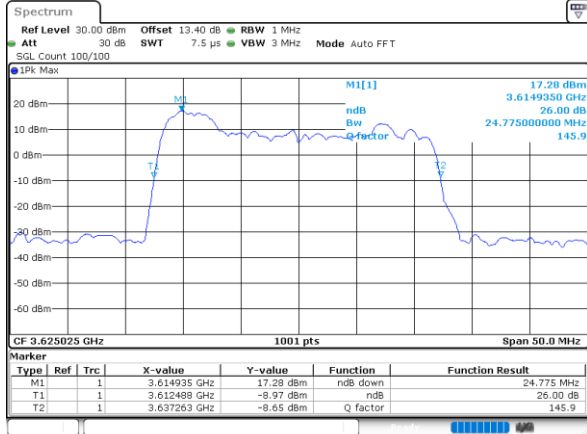




LTE Band 48C

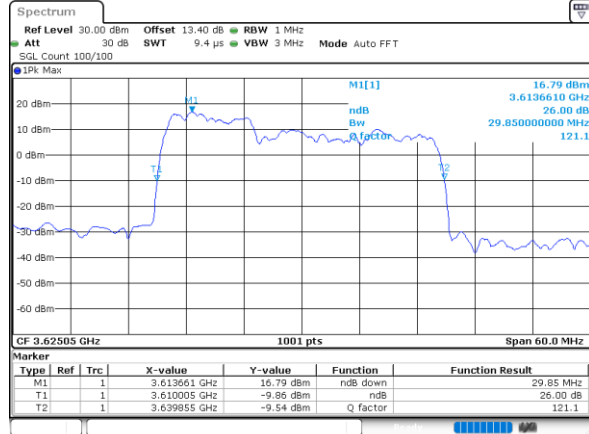
64QAM

Middle Channel / 5MHz+20MHz



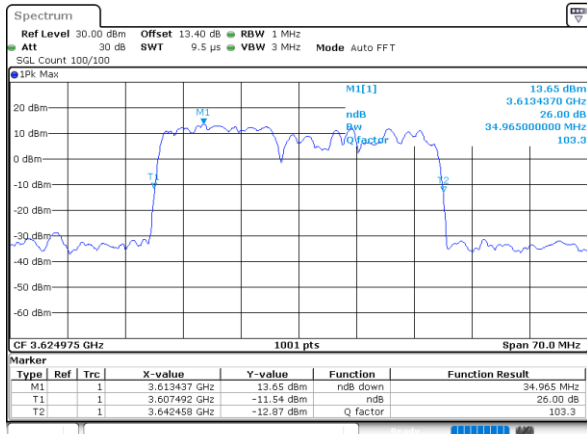
Date: 11.OCT.2022 11:14:02

Middle Channel / 10MHz+20MHz



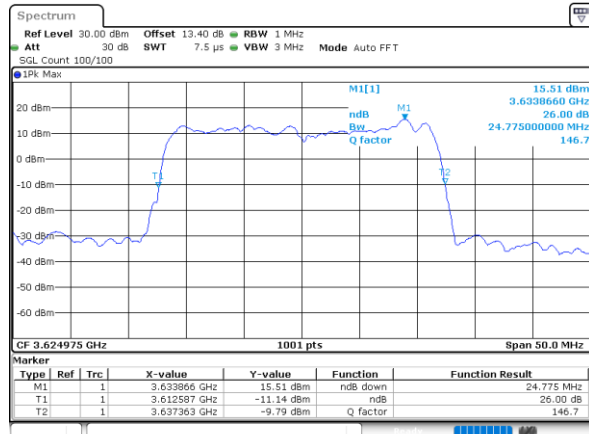
Date: 11.OCT.2022 11:24:40

Middle Channel / 15MHz+20MHz



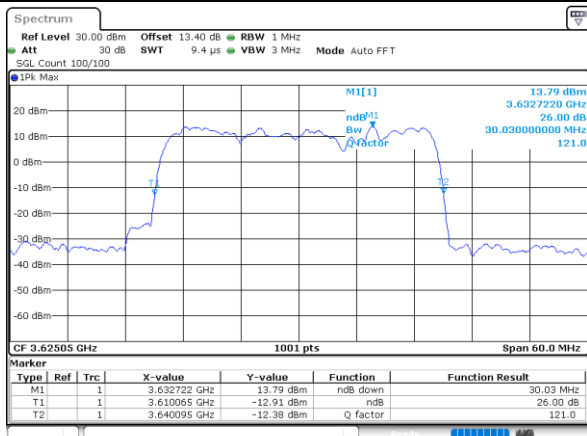
Date: 11.OCT.2022 11:35:17

Middle Channel / 20MHz+5MHz



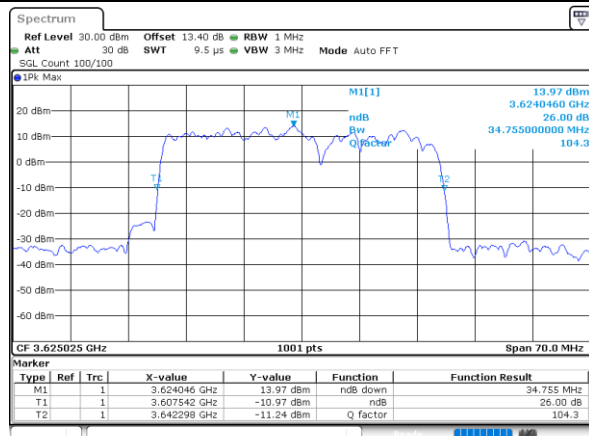
Date: 11.OCT.2022 11:19:21

Middle Channel / 20MHz+10MHz

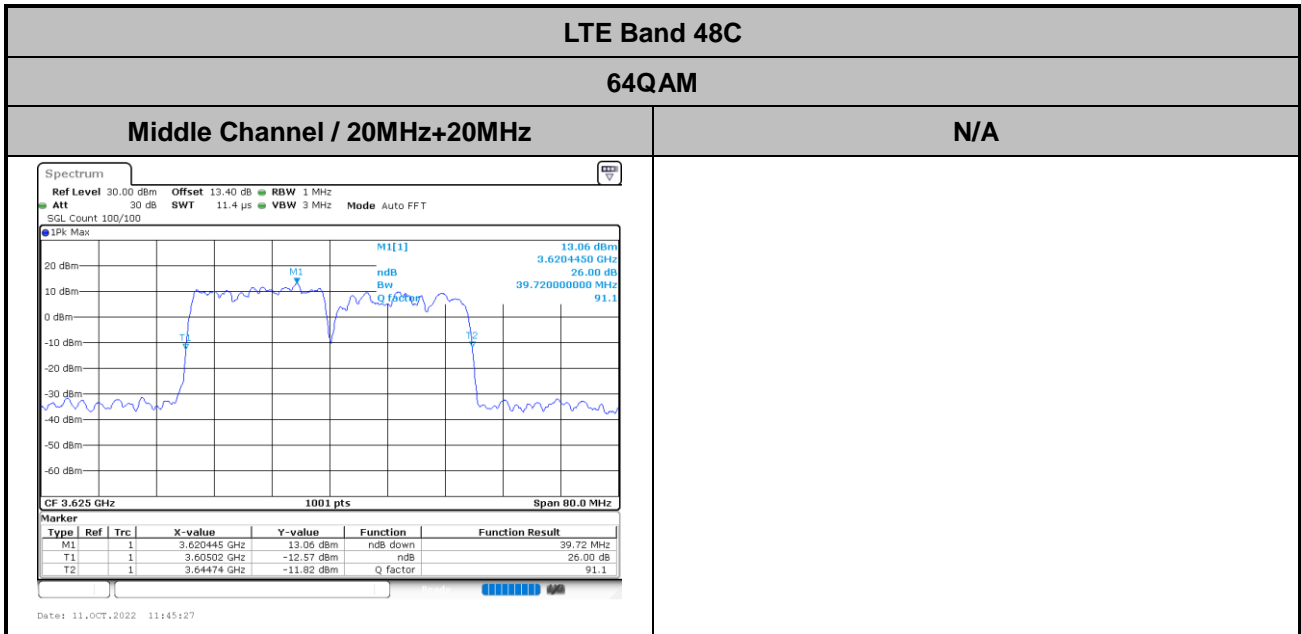


Date: 11.OCT.2022 11:29:58

Middle Channel / 20MHz+15MHz



Date: 11.OCT.2022 11:40:35

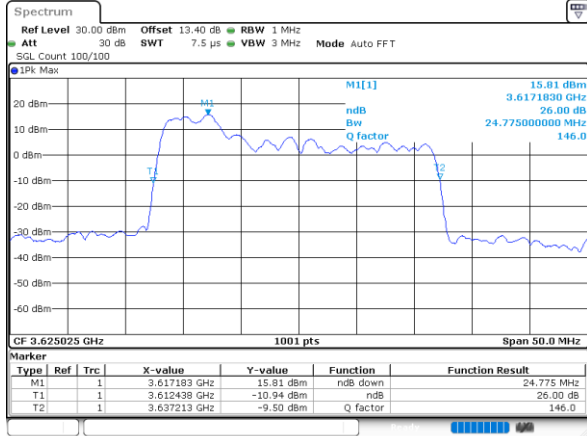




LTE Band 48C

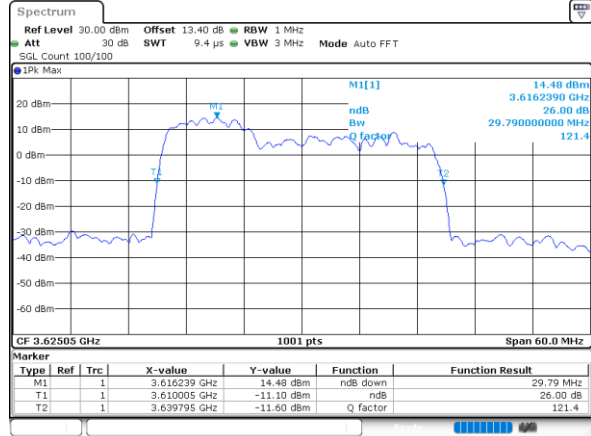
256QAM

Middle Channel / 5MHz+20MHz



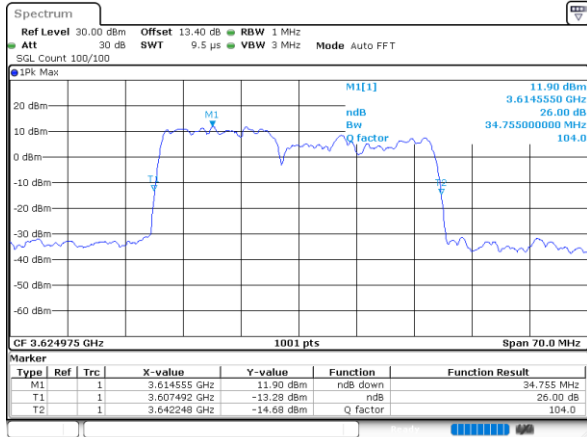
Date: 11.OCT.2022 11:15:58

Middle Channel / 10MHz+20MHz



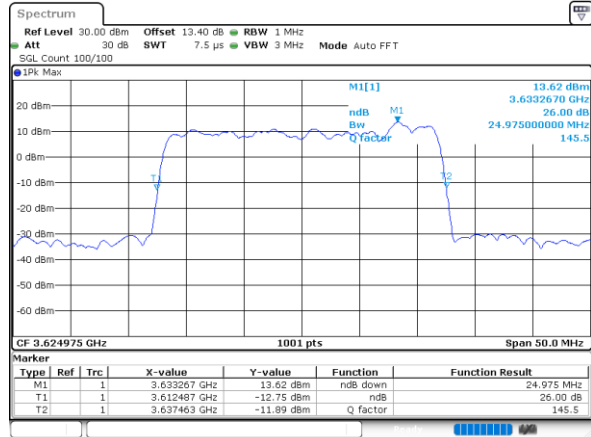
Date: 11.OCT.2022 11:26:35

Middle Channel / 15MHz+20MHz



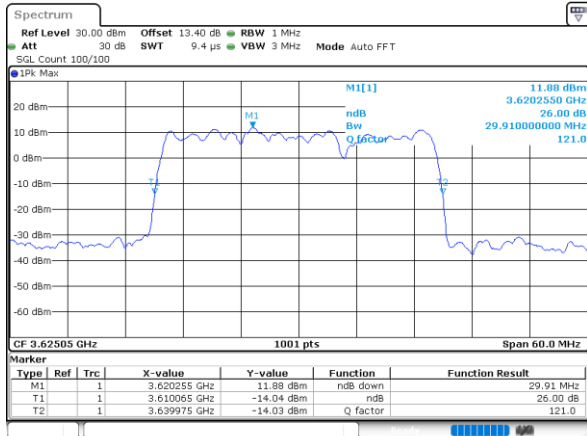
Date: 11.OCT.2022 11:37:13

Middle Channel / 20MHz+5MHz



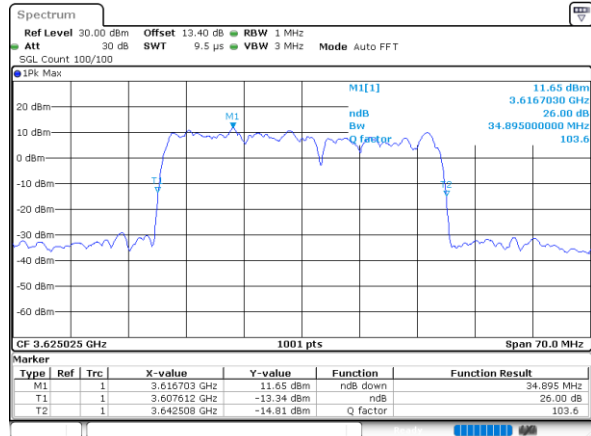
Date: 11.OCT.2022 11:21:17

Middle Channel / 20MHz+10MHz



Date: 11.OCT.2022 11:31:54

Middle Channel / 20MHz+15MHz



Date: 11.OCT.2022 11:42:32

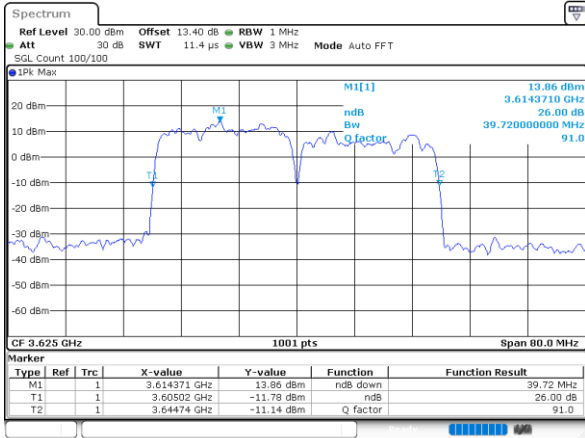


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A





### Occupied Bandwidth

| Mode      | LTE Band 48C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| QPSK      |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.28                      | 28.05       | 32.94       | 23.08      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 27.81                      | 32.87       | 37.56       | -          |

| Mode      | LTE Band 48C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 16QAM     |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.53                      | 27.93       | 32.80       | 23.33      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 28.29                      | 32.80       | 37.56       | -          |

| Mode      | LTE Band 48C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 64QAM     |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 22.98                      | 27.75       | 32.94       | 23.33      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 27.87                      | 32.59       | 37.64       | -          |

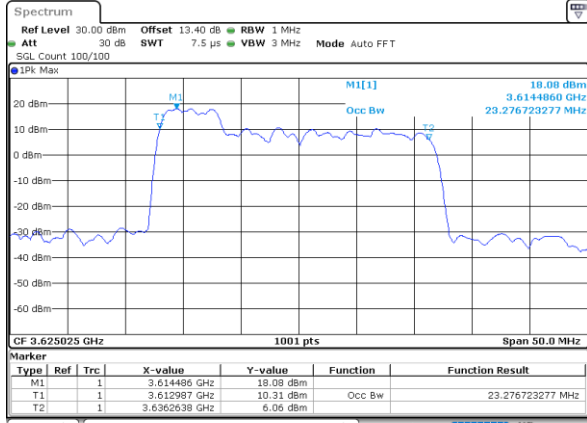
| Mode      | LTE Band 48C : 99%OBW(MHz) |             |             |            |
|-----------|----------------------------|-------------|-------------|------------|
| 256QAM    |                            |             |             |            |
| BW        | 5MHz+20MHz                 | 10MHz+20MHz | 15MHz+20MHz | 20MHz+5MHz |
| Middle CH | 23.23                      | 28.23       | 33.01       | 23.23      |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A        |
| Middle CH | 28.05                      | 32.94       | 37.24       | -          |



LTE Band 48C

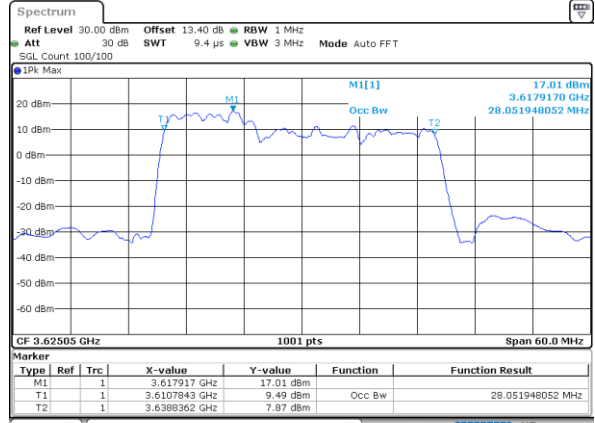
QPSK

Middle Channel / 5MHz+20MHz



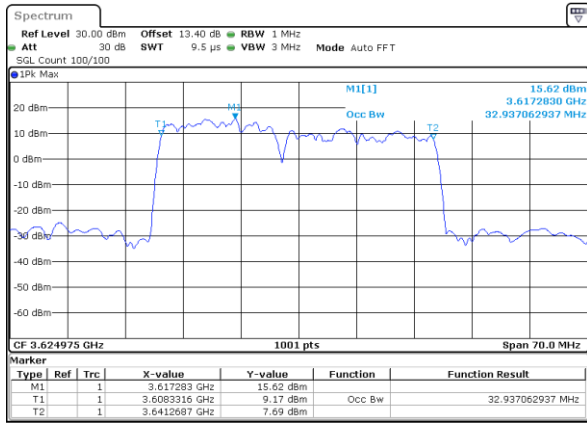
Date: 11.OCT.2022 11:11:26

Middle Channel / 10MHz+20MHz



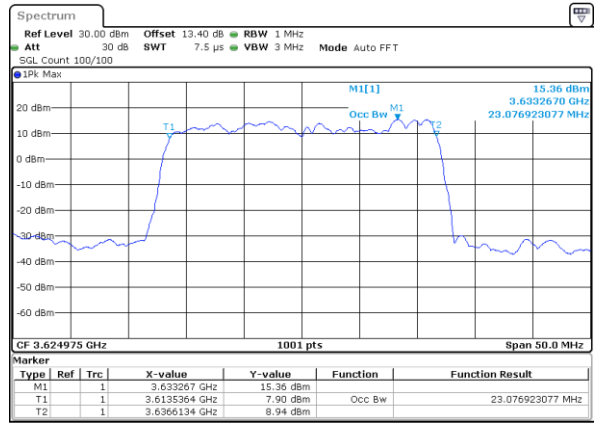
Date: 11.OCT.2022 11:22:05

Middle Channel / 15MHz+20MHz



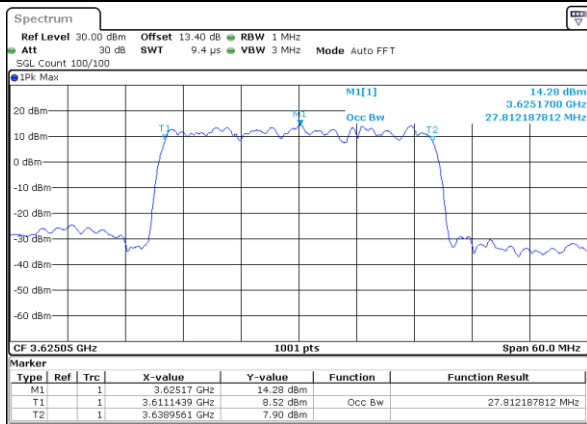
Date: 11.OCT.2022 11:32:42

Middle Channel / 20MHz+5MHz



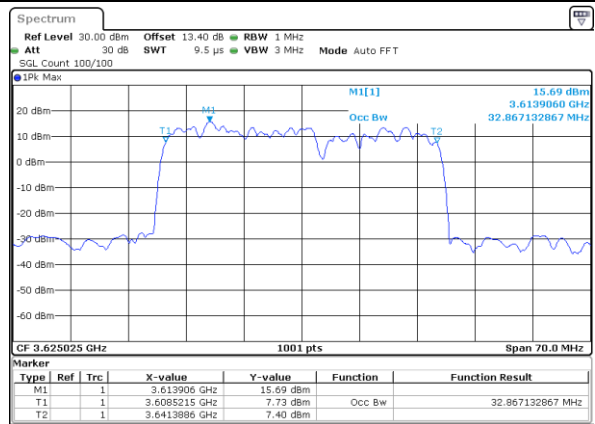
Date: 11.OCT.2022 11:16:46

Middle Channel / 20MHz+10MHz



Date: 11.OCT.2022 11:27:24

Middle Channel / 20MHz+15MHz



Date: 11.OCT.2022 11:38:01



LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

