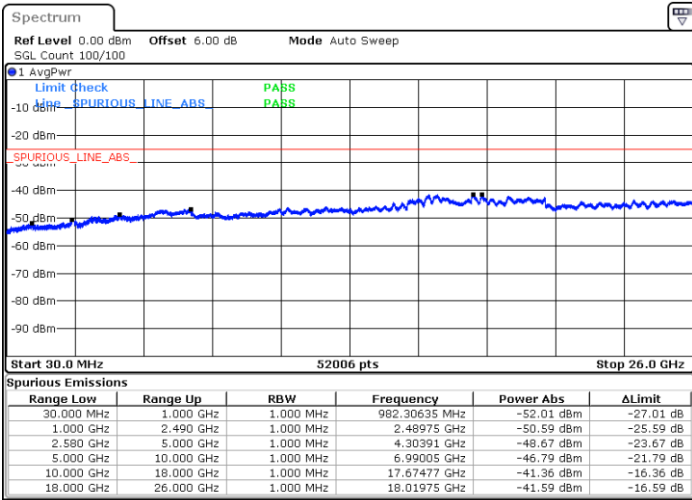




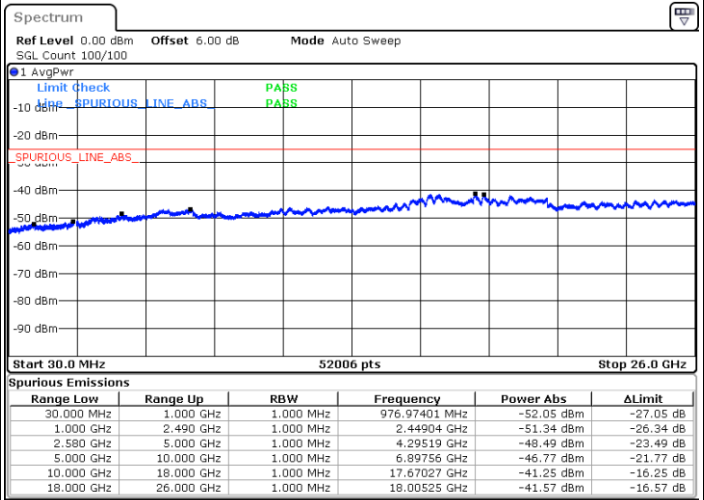
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

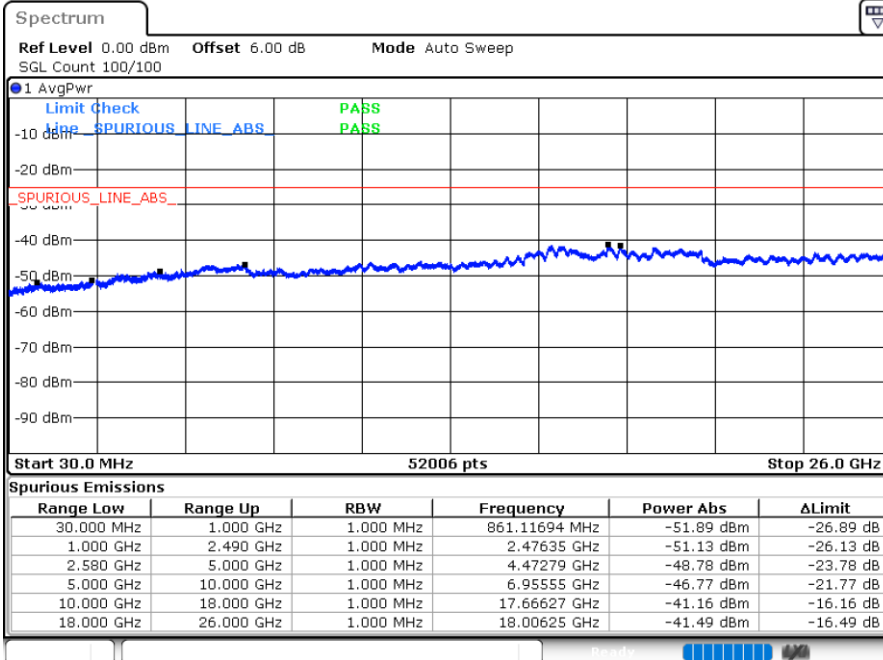


Date: 30.JAN.2022 23:42:11



Date: 30.JAN.2022 23:43:34

Highest Channel / QPSK



Date: 30.JAN.2022 23:44:56



Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0026                             | PASS    |
| 40               | Normal Voltage    | 0.0017                             |         |
| 30               | Normal Voltage    | 0.0016                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0014                             |         |
| 0                | Normal Voltage    | 0.0009                             |         |
| -10              | Normal Voltage    | 0.0022                             |         |
| -20              | Normal Voltage    | 0.0012                             |         |
| -30              | Normal Voltage    | 0.0026                             |         |
| 20               | Maximum Voltage   | 0.0012                             |         |
| 20               | Normal Voltage    | 0.0014                             |         |
| 20               | Battery End Point | 0.0021                             |         |

Note:

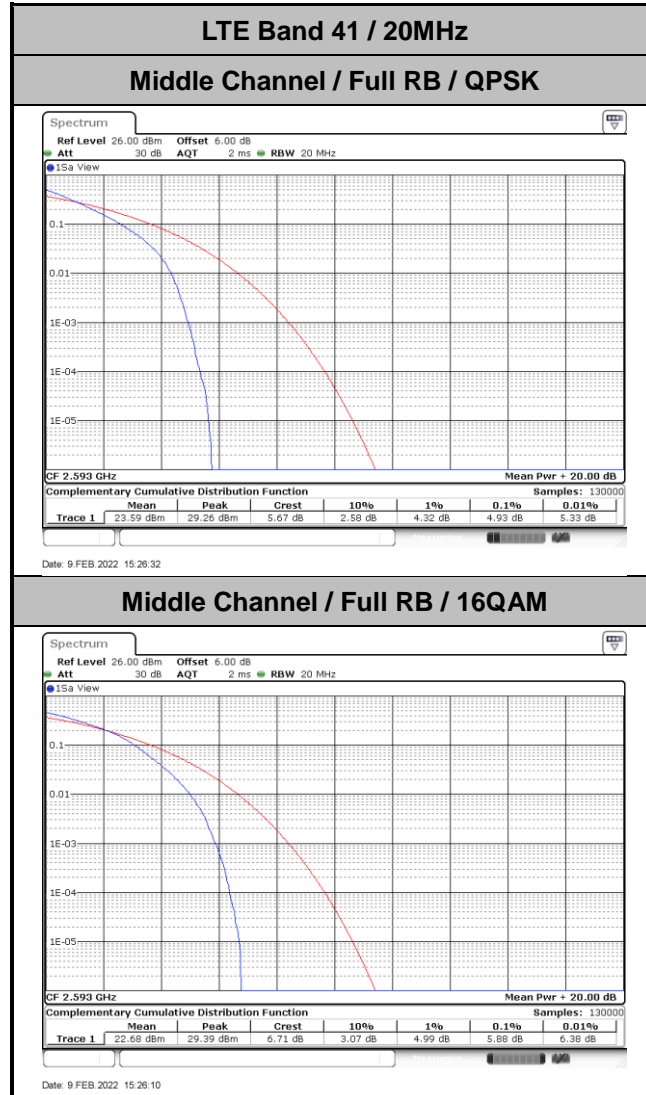
1. Normal Voltage =3.87 V ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

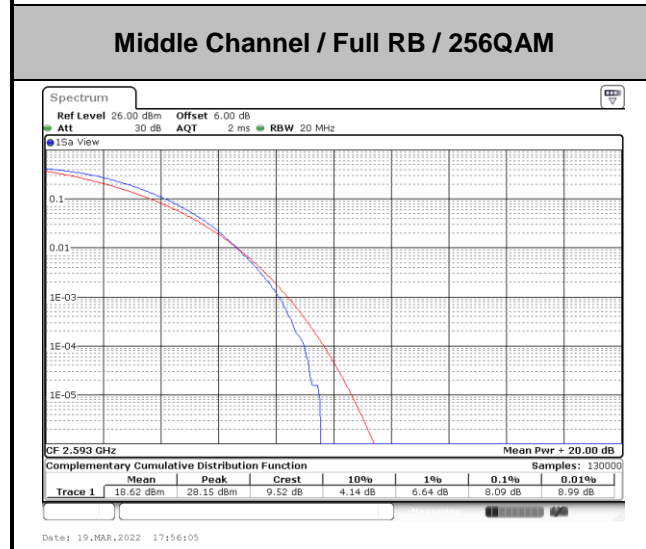
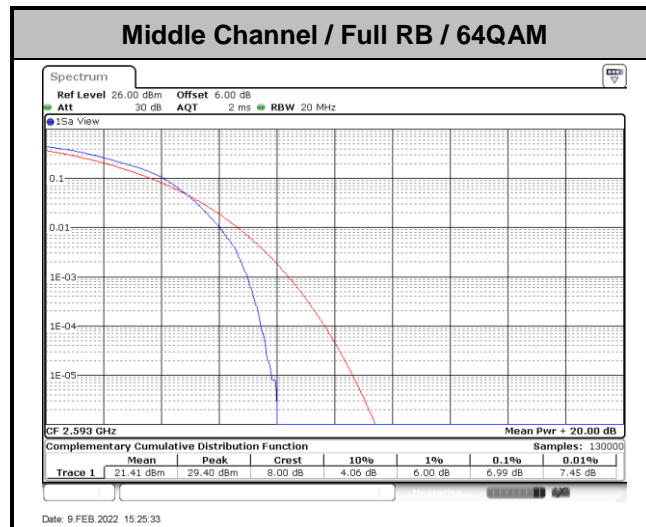


# LTE Band 41

## Peak-to-Average Ratio

| Mode      | LTE Band 41 / 20MHz |         |         |             |
|-----------|---------------------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Result      |
| Middle CH | 4.93                | 5.88    | 6.99    | PASS        |
| Mode      | LTE Band 41 / 20MHz |         |         |             |
| Mod.      | 256QAM              |         |         | Limit: 13dB |
| RB Size   | Full RB             |         |         | Result      |
| Middle CH | 8.09                |         |         | PASS        |

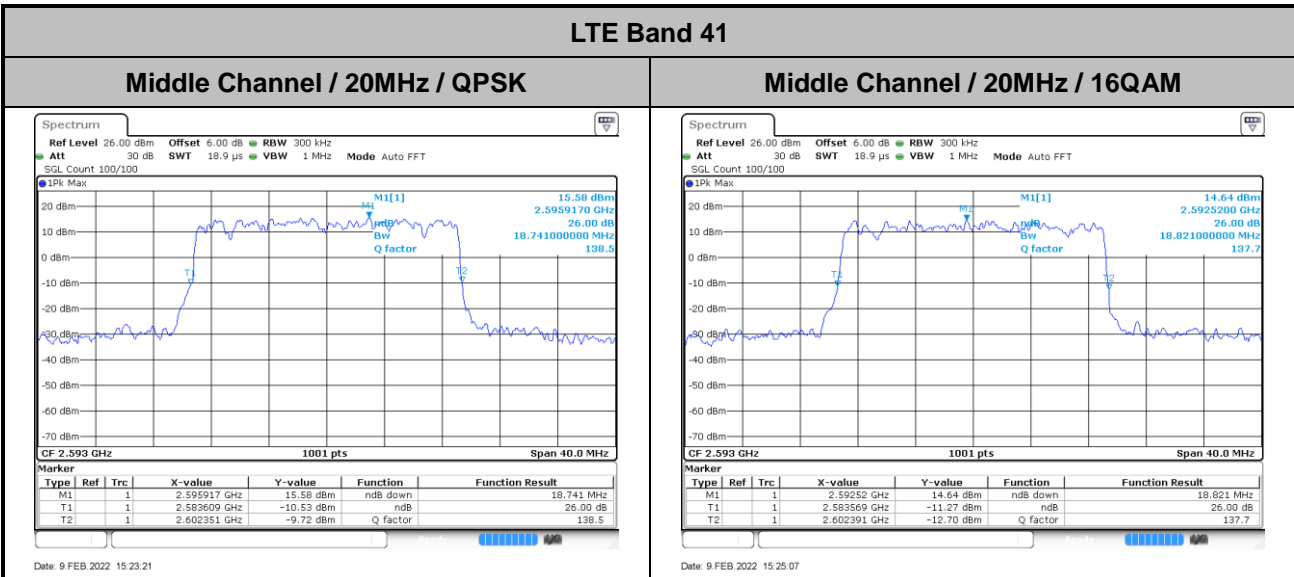






**26dB Bandwidth**

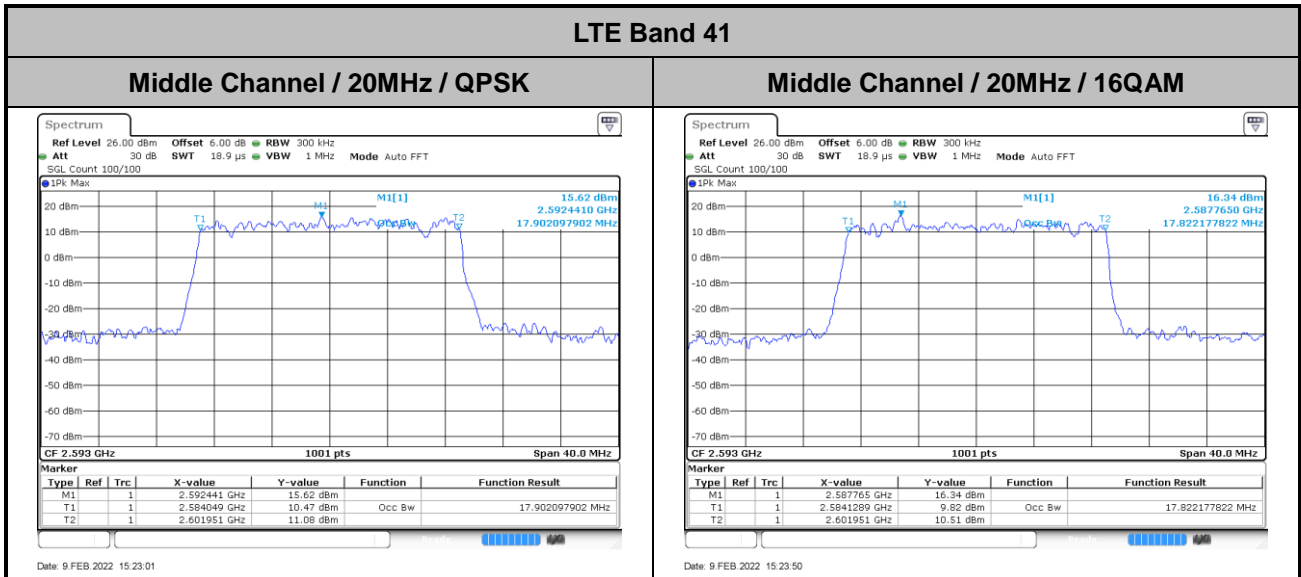
|           |                            |       |
|-----------|----------------------------|-------|
| Mode      | LTE Band 41 : 26dB BW(MHz) |       |
| BW        | 20MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 18.74                      | 18.82 |





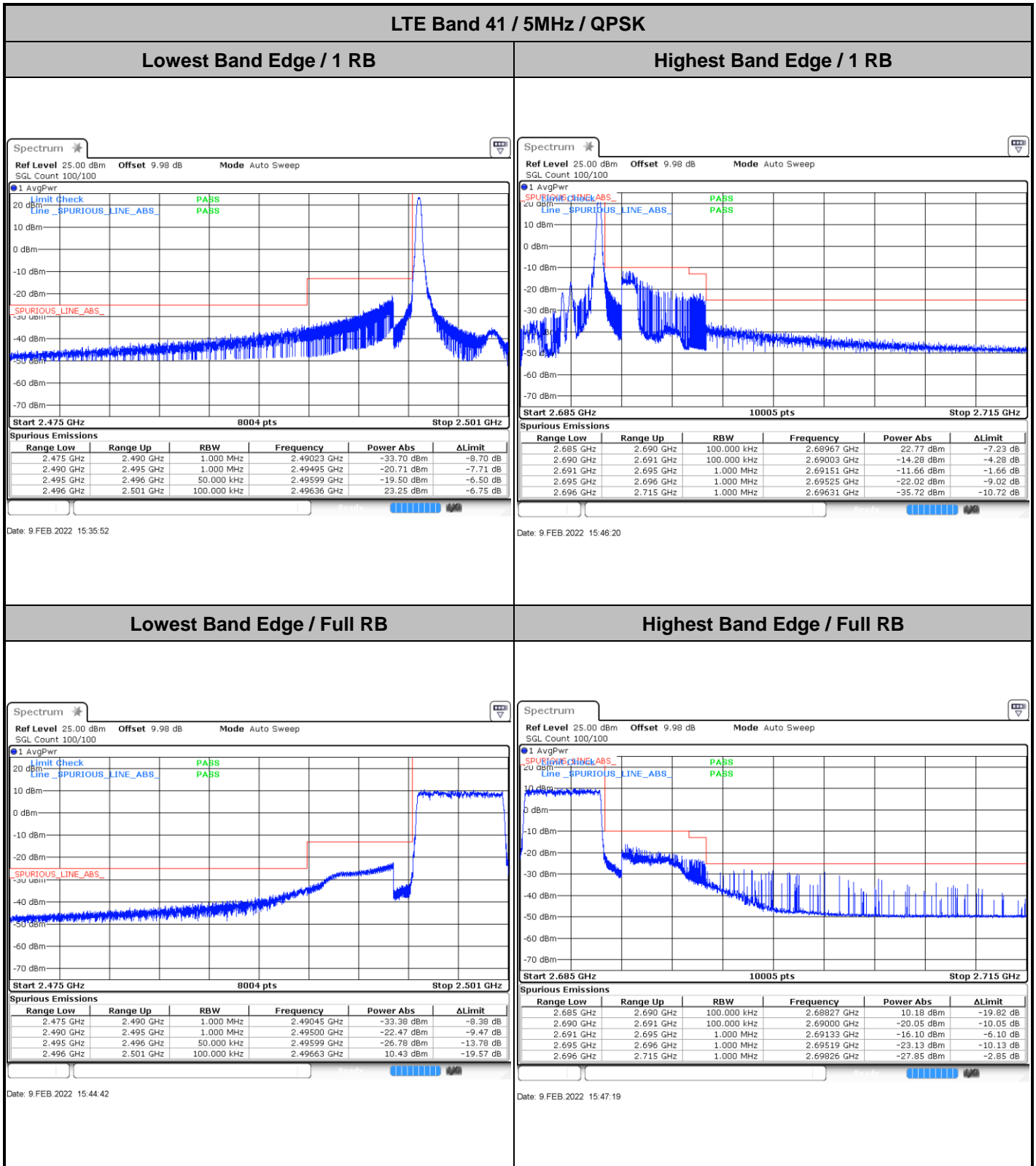
# Occupied Bandwidth

|           |                           |       |
|-----------|---------------------------|-------|
| Mode      | LTE Band 41 : 99%OBW(MHz) |       |
| BW        | 20MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 17.90                     | 17.82 |





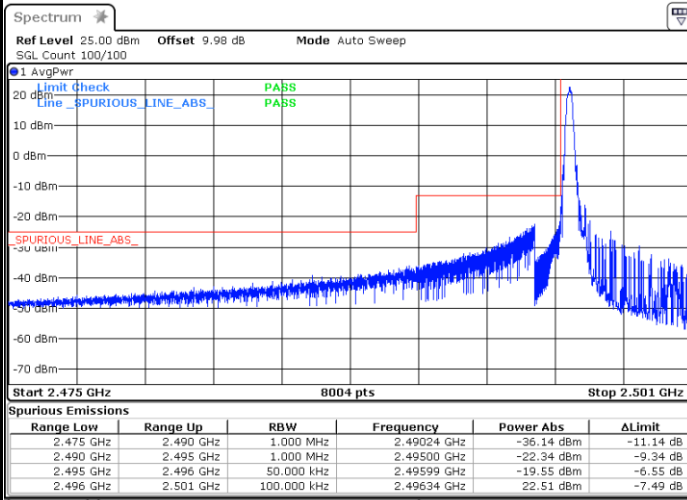
# Conducted Band Edge





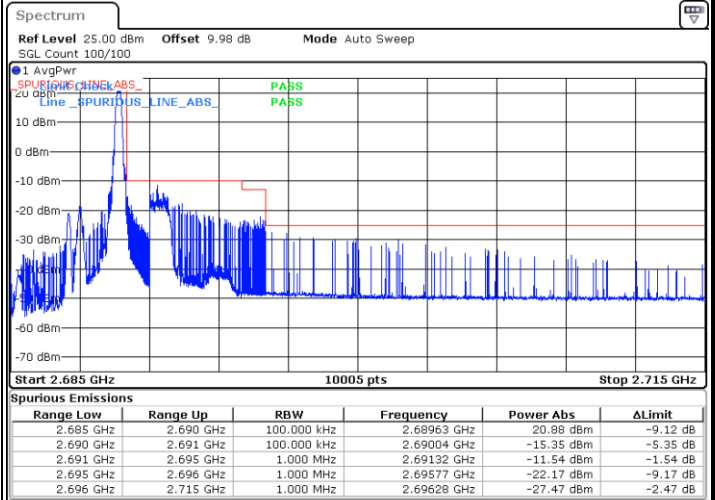
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



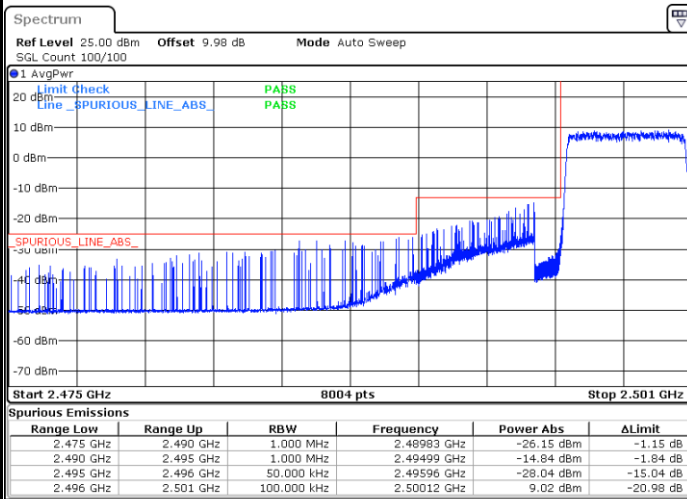
Date: 9 FEB 2022 15:40:04

Highest Band Edge / 1 RB



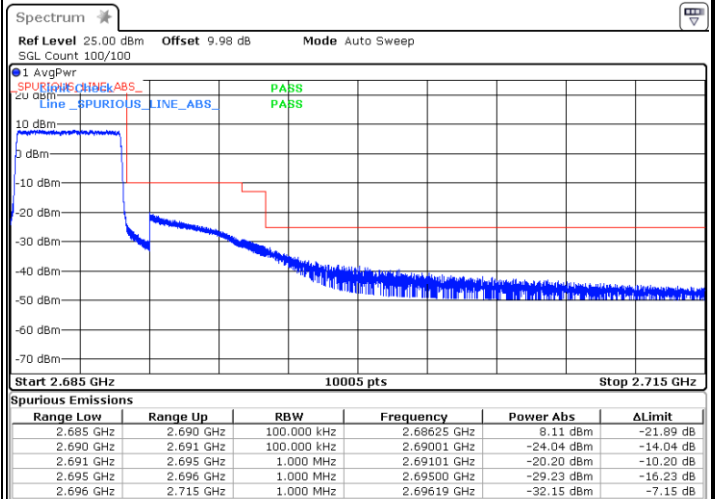
Date: 9 FEB 2022 13:32:03

Lowest Band Edge / Full RB



Date: 9 FEB 2022 13:23:30

Highest Band Edge / Full RB



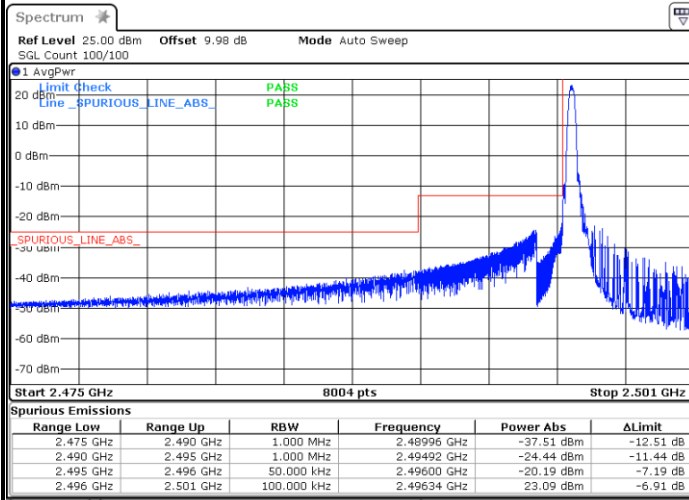
Date: 9 FEB 2022 15:49:53





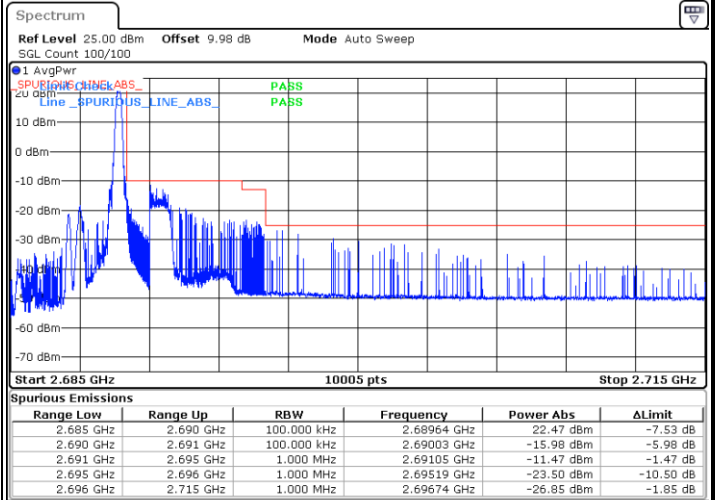
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



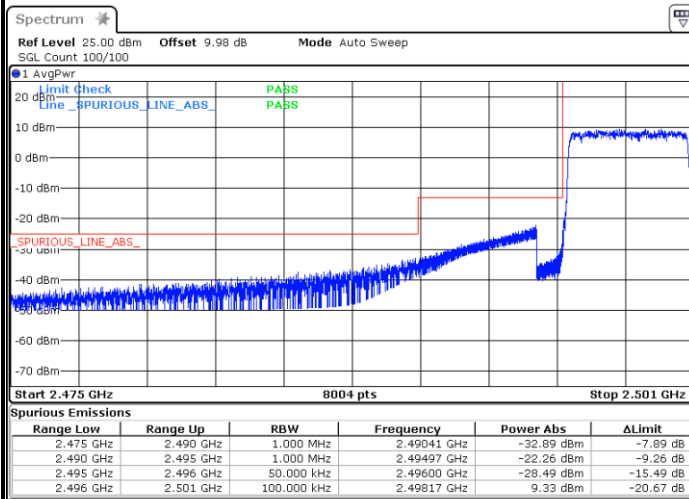
Date: 9 FEB 2022 15:41:37

Highest Band Edge / 1 RB



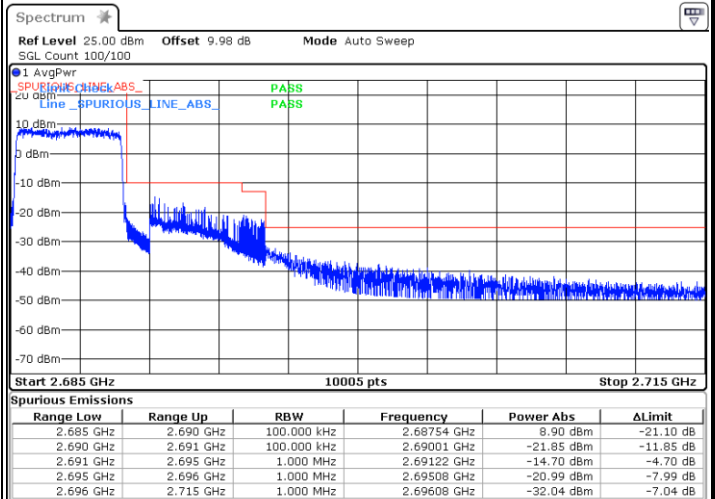
Date: 9 FEB 2022 13:33:46

Lowest Band Edge / Full RB



Date: 9 FEB 2022 15:43:04

Highest Band Edge / Full RB

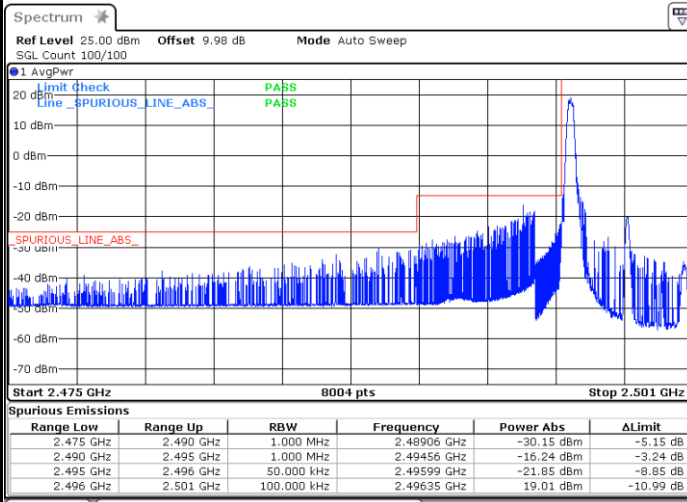


Date: 9 FEB 2022 15:51:46



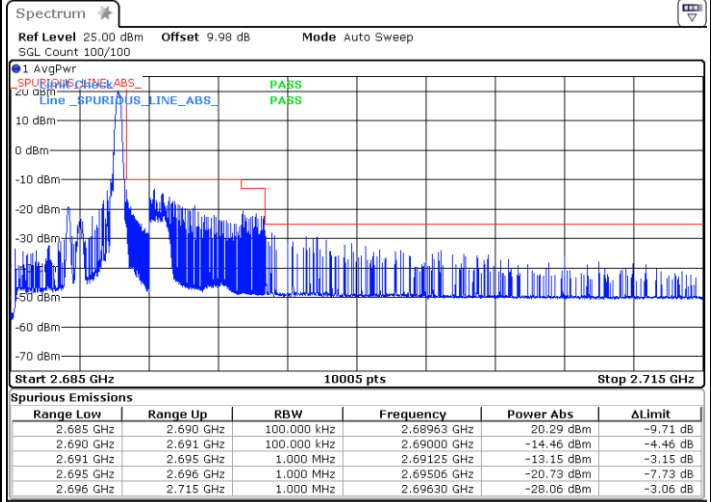
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



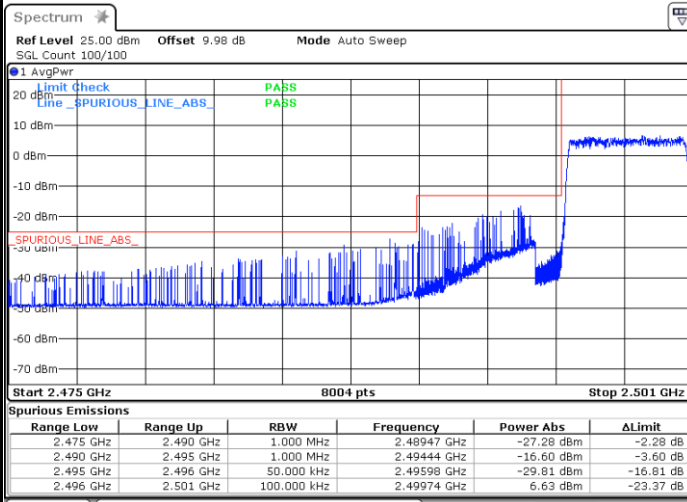
Date: 19.MAR.2022 16:27:26

Highest Band Edge / 1 RB



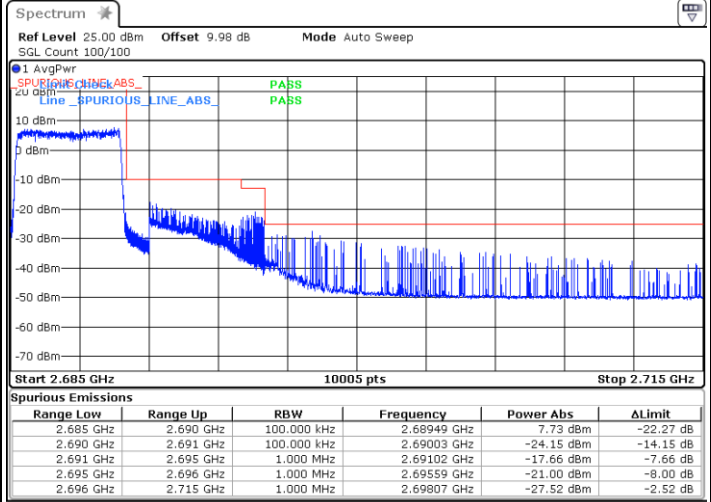
Date: 19.MAR.2022 16:29:33

Lowest Band Edge / Full RB



Date: 19.MAR.2022 16:28:18

Highest Band Edge / Full RB

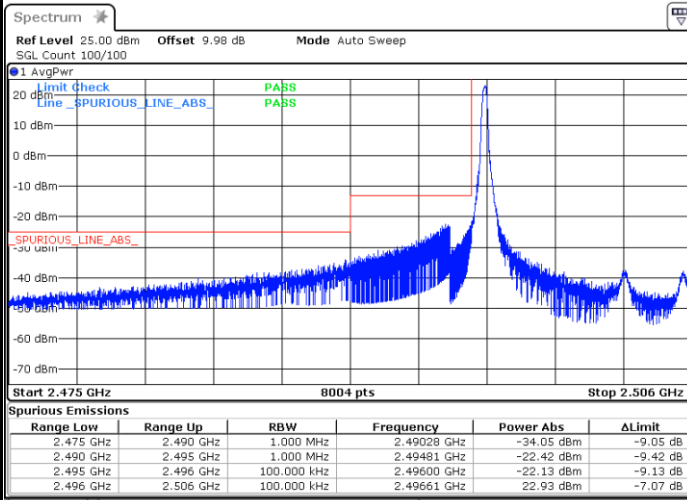


Date: 19.MAR.2022 16:30:21



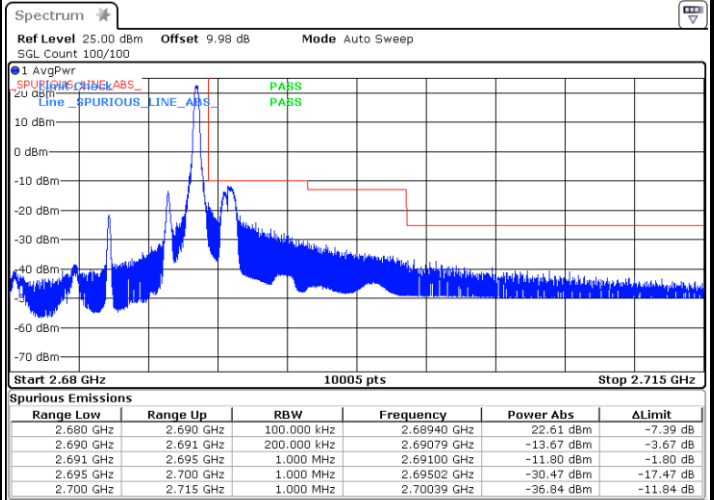
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



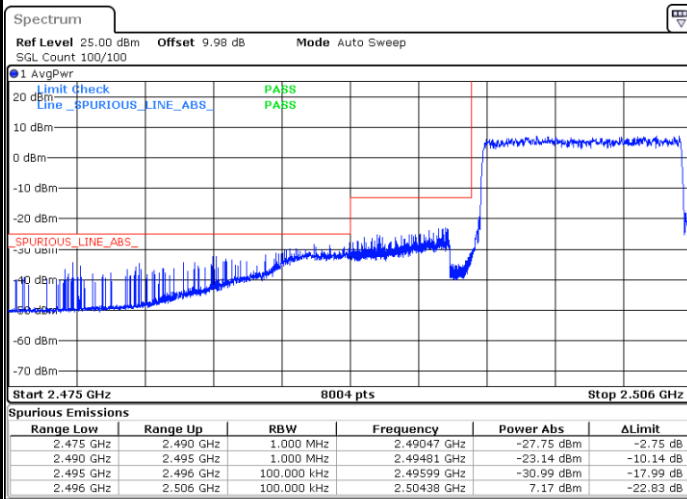
Date: 9 FEB 2022 13:51:33

Highest Band Edge / 1 RB



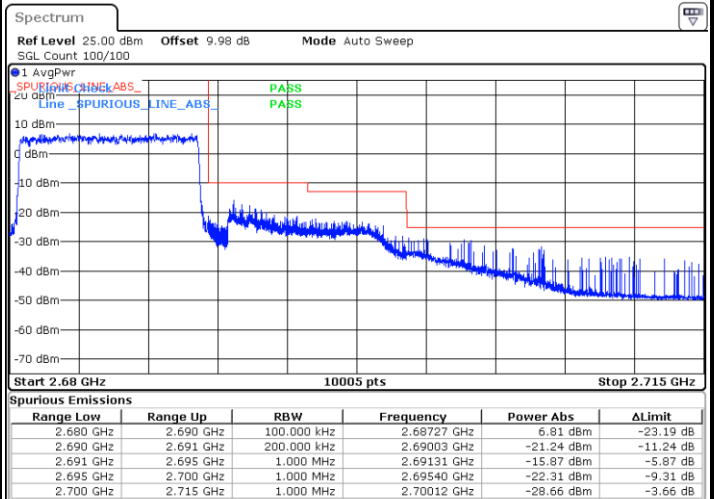
Date: 9 FEB 2022 14:08:00

Lowest Band Edge / Full RB



Date: 9 FEB 2022 13:48:28

Highest Band Edge / Full RB

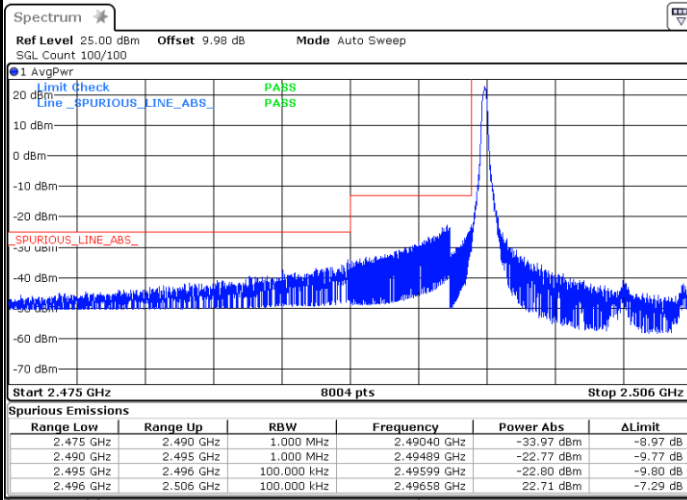


Date: 9 FEB 2022 14:13:45



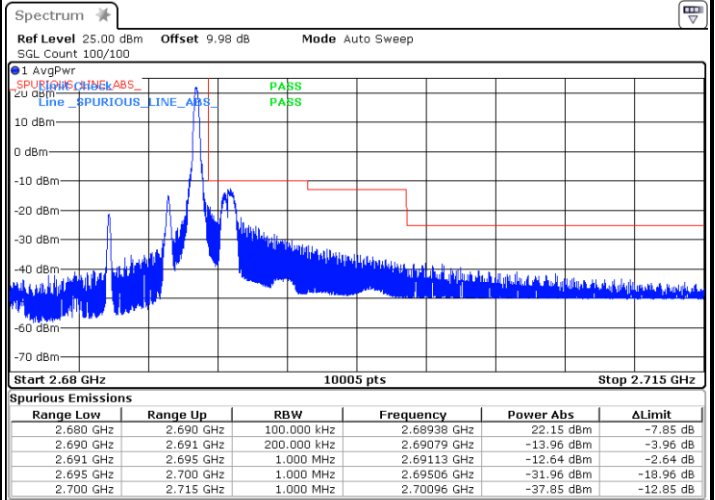
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



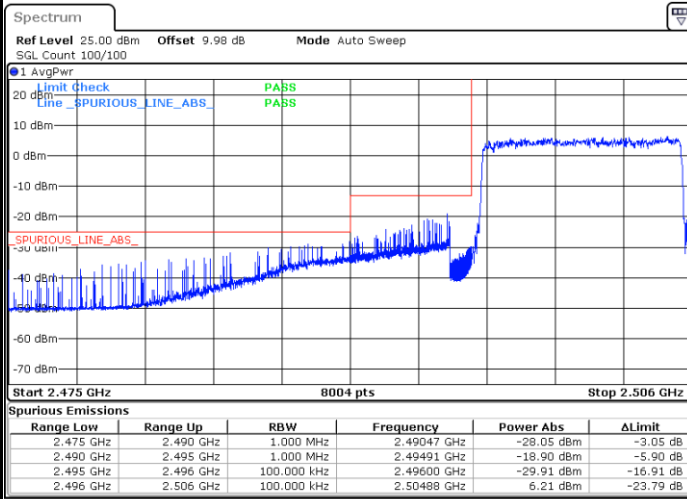
Date: 9 FEB 2022 13:52:59

Highest Band Edge / 1 RB



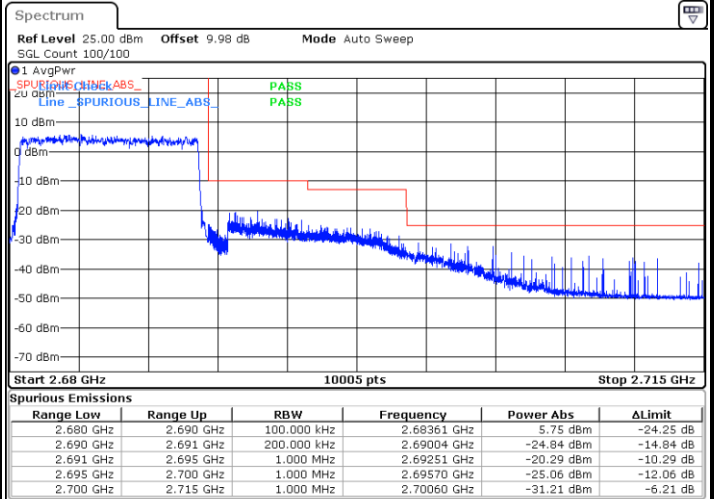
Date: 9 FEB 2022 14:03:54

Lowest Band Edge / Full RB



Date: 9 FEB 2022 13:49:00

Highest Band Edge / Full RB

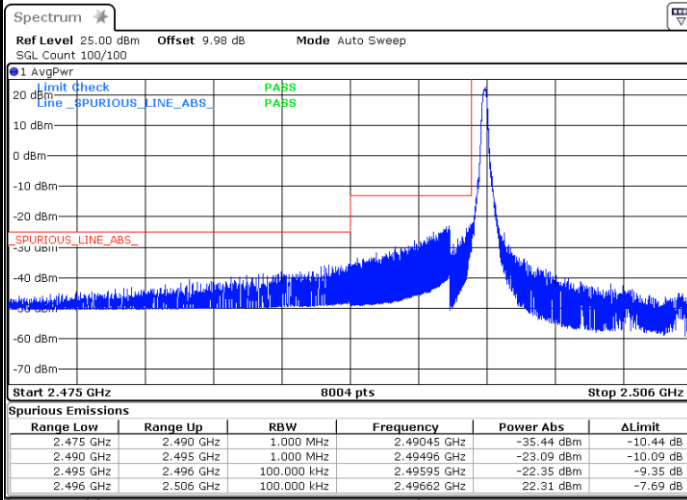


Date: 9 FEB 2022 13:59:38



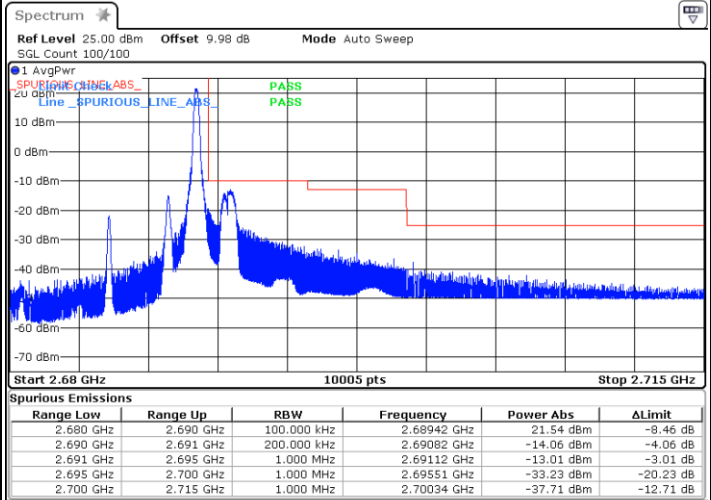
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



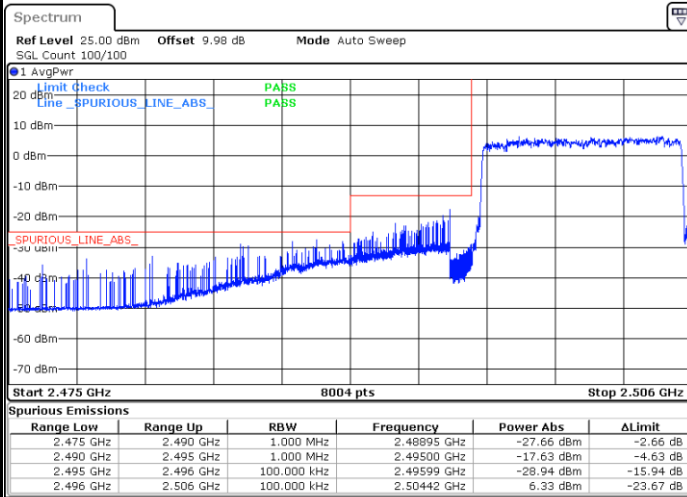
Date: 9 FEB 2022 13:54:12

Highest Band Edge / 1 RB



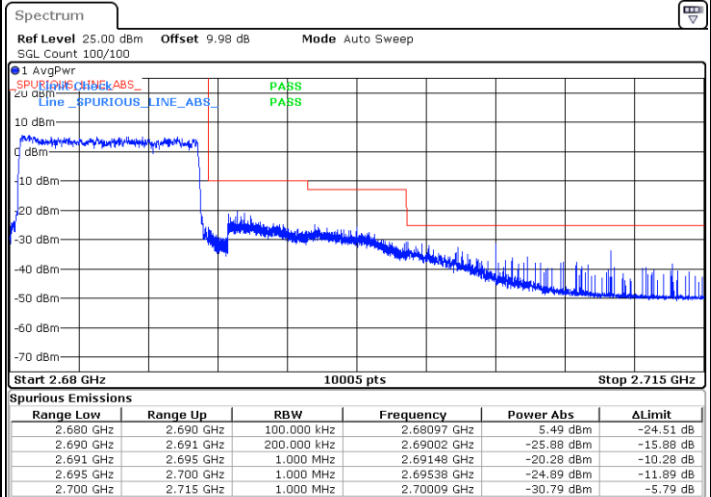
Date: 9 FEB 2022 14:02:09

Lowest Band Edge / Full RB



Date: 9 FEB 2022 13:49:31

Highest Band Edge / Full RB

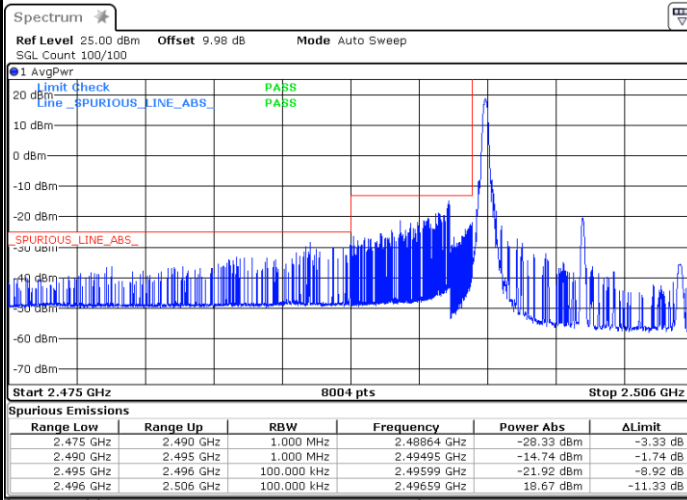


Date: 9 FEB 2022 14:00:15



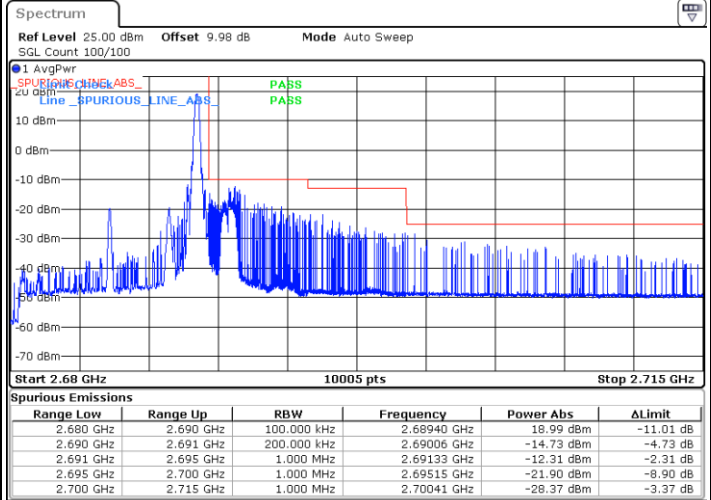
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



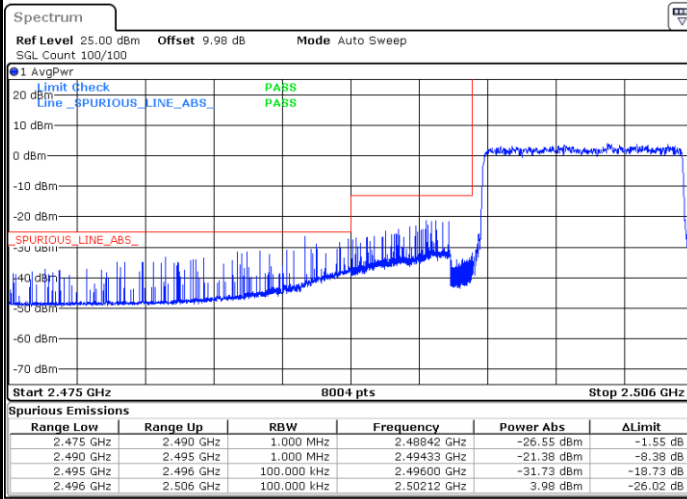
Date: 19.MAR.2022 16:31:41

Highest Band Edge / 1 RB



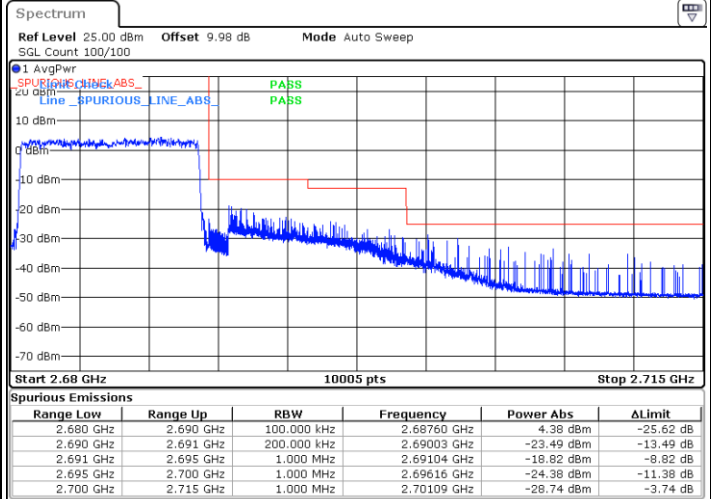
Date: 19.MAR.2022 16:32:56

Lowest Band Edge / Full RB



Date: 19.MAR.2022 16:32:06

Highest Band Edge / Full RB

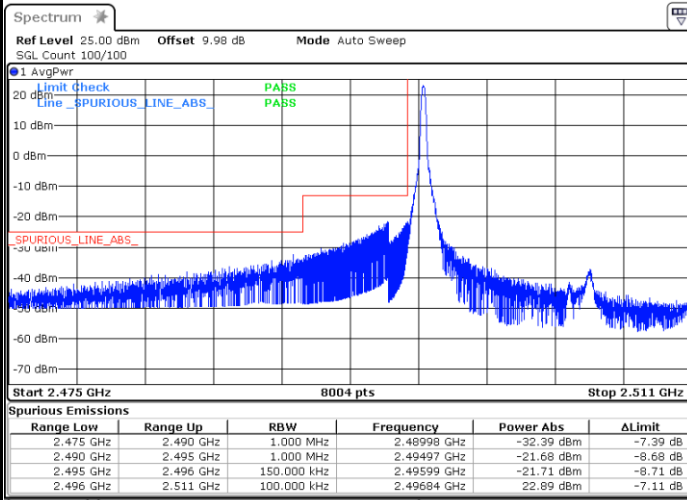


Date: 19.MAR.2022 16:33:27



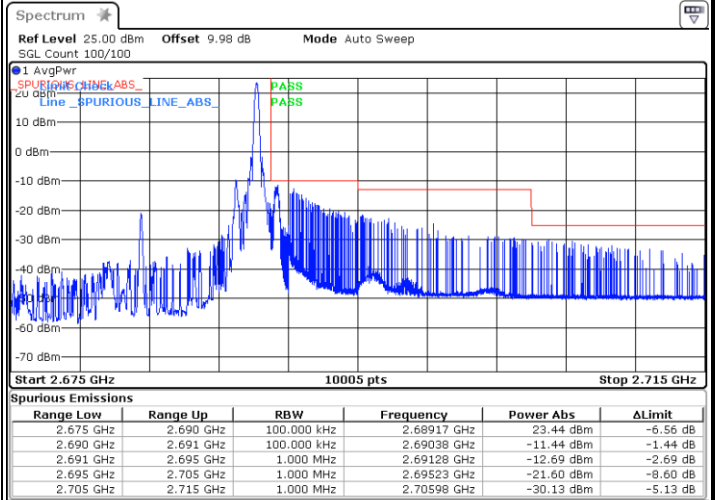
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



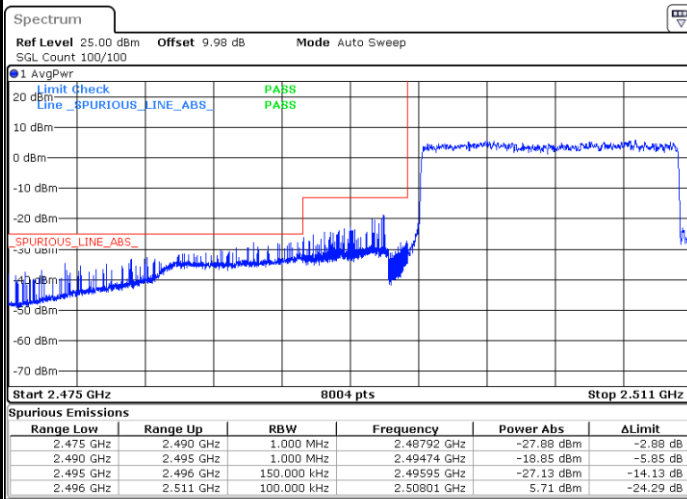
Date: 9 FEB 2022 14:38:13

Highest Band Edge / 1 RB



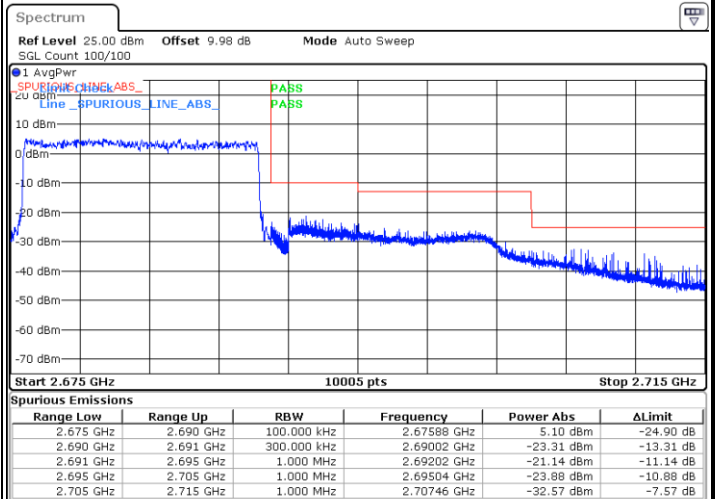
Date: 15 FEB 2022 16:55:13

Lowest Band Edge / Full RB



Date: 9 FEB 2022 14:46:35

Highest Band Edge / Full RB

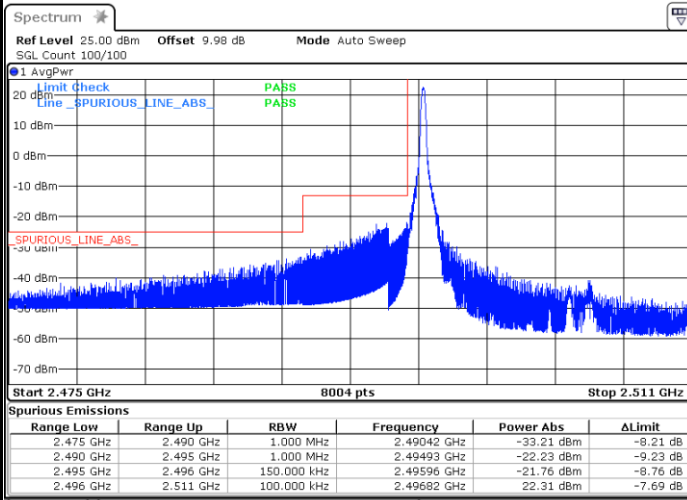


Date: 9 FEB 2022 14:59:55



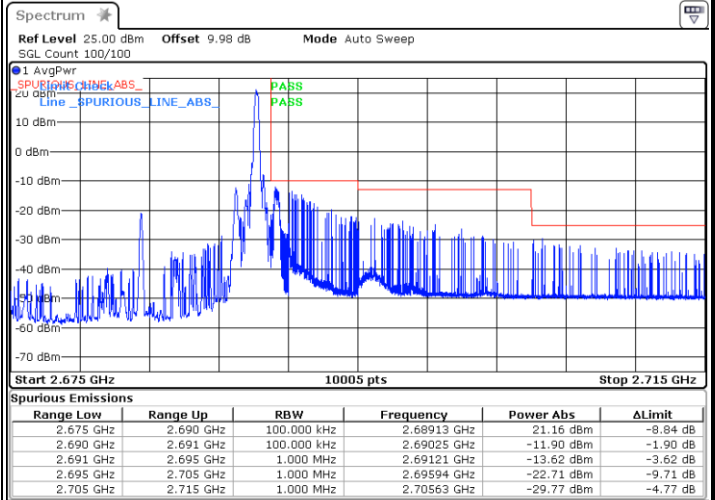
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



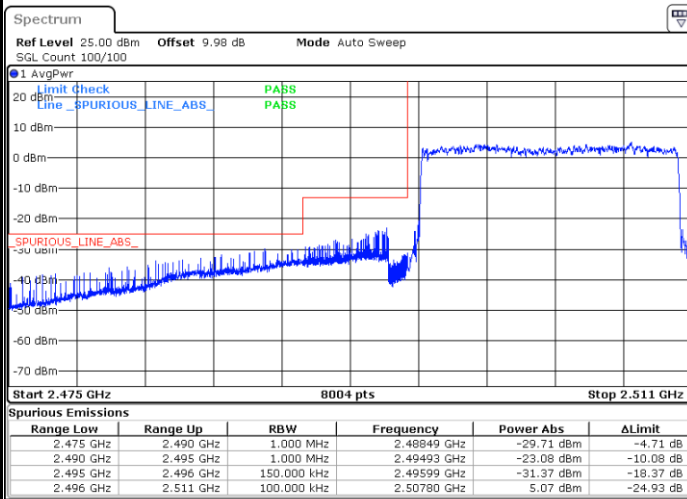
Date: 9 FEB 2022 14:40:12

Highest Band Edge / 1 RB



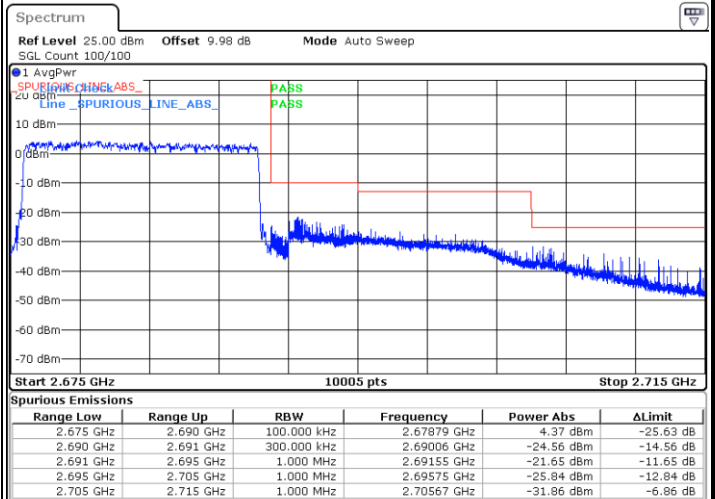
Date: 15 FEB 2022 16:55:56

Lowest Band Edge / Full RB



Date: 9 FEB 2022 14:46:07

Highest Band Edge / Full RB



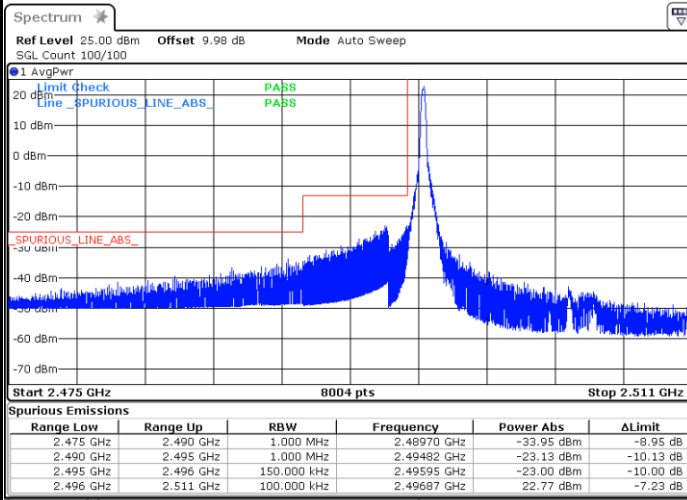
Date: 9 FEB 2022 14:59:29





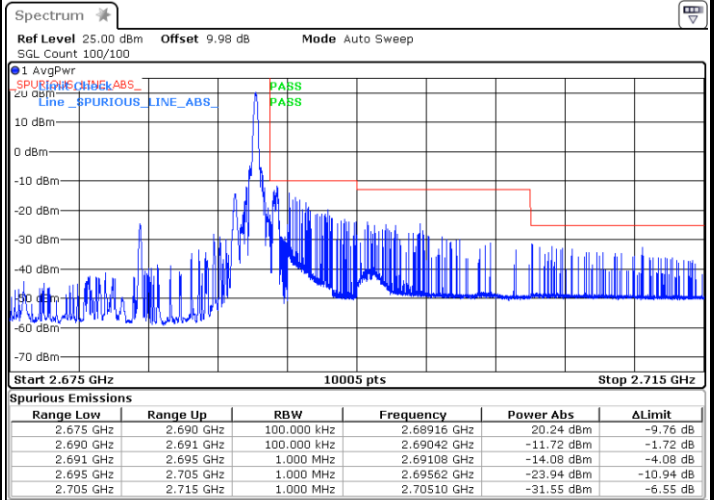
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



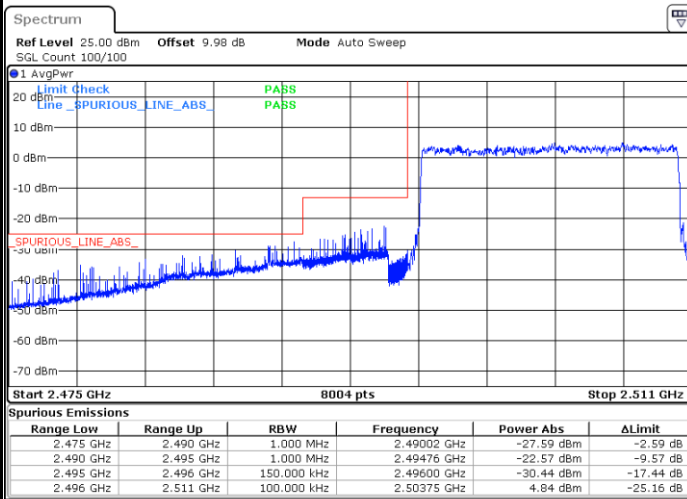
Date: 9 FEB 2022 14:42:06

Highest Band Edge / 1 RB



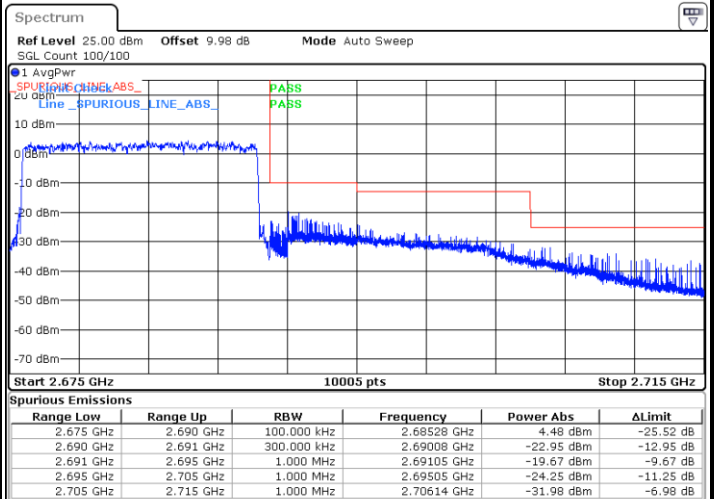
Date: 15 FEB 2022 16:56:46

Lowest Band Edge / Full RB



Date: 9 FEB 2022 14:42:36

Highest Band Edge / Full RB

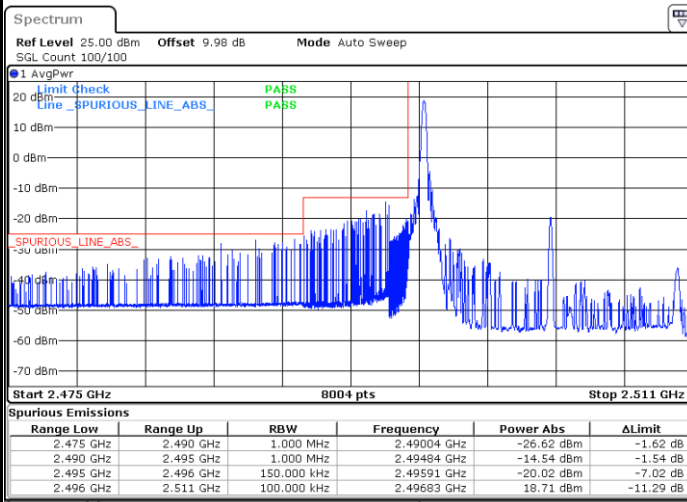


Date: 9 FEB 2022 14:58:49



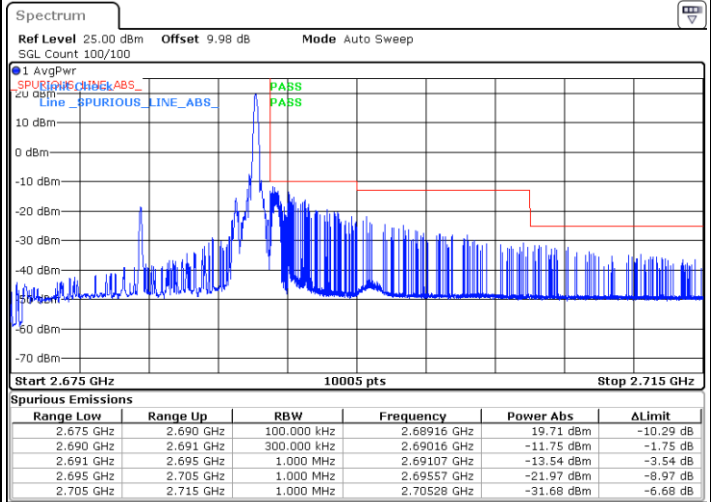
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



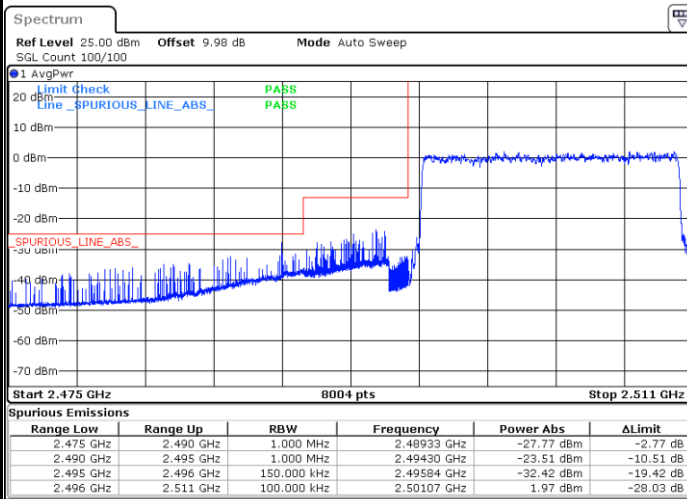
Date: 19.MAR.2022 16:34:21

Highest Band Edge / 1 RB



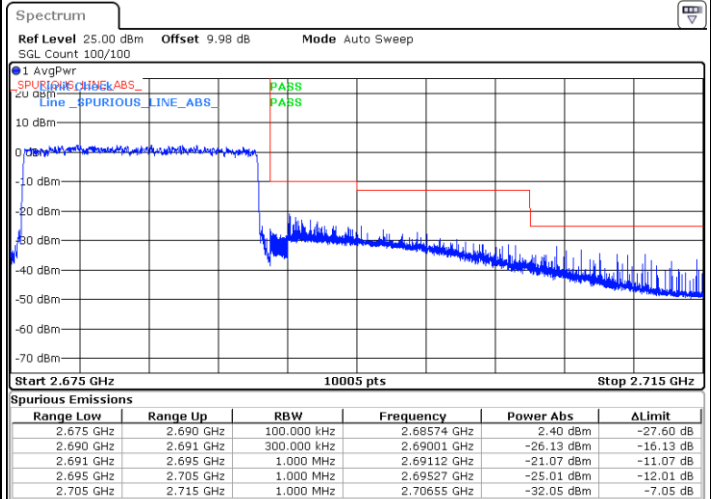
Date: 19.MAR.2022 16:35:58

Lowest Band Edge / Full RB



Date: 19.MAR.2022 16:34:52

Highest Band Edge / Full RB

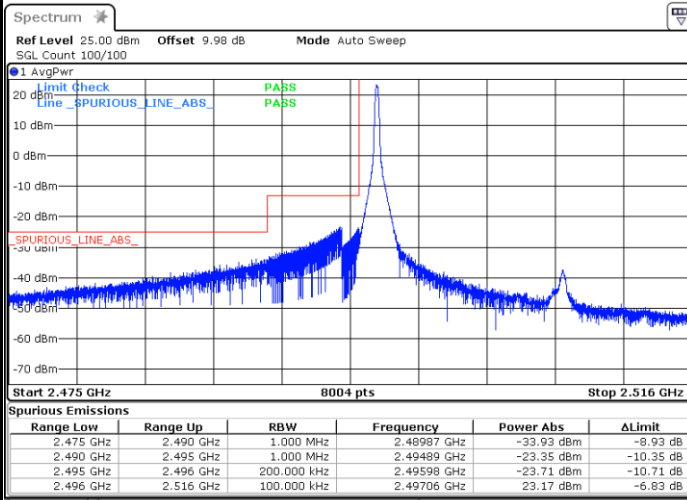


Date: 19.MAR.2022 16:36:21



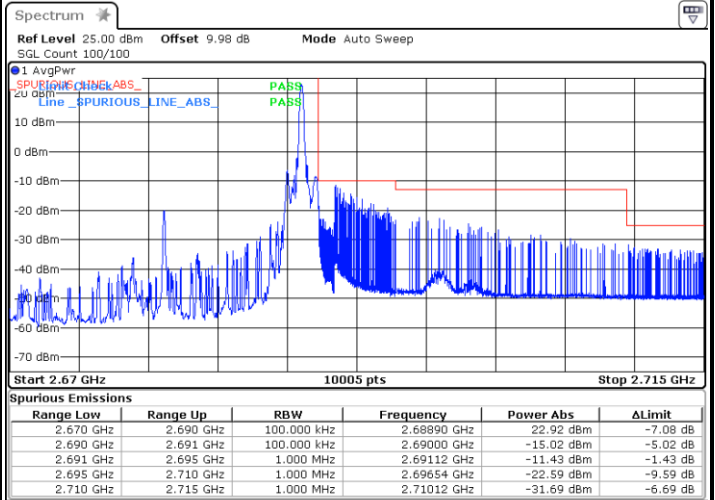
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



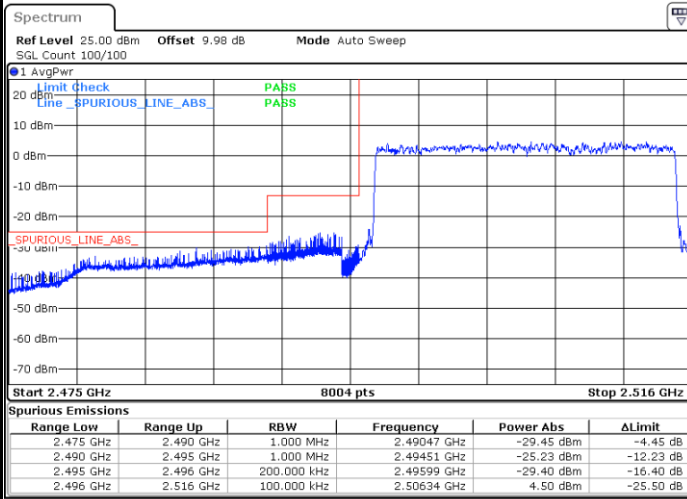
Date: 9 FEB 2022 15:22:32

Highest Band Edge / 1 RB



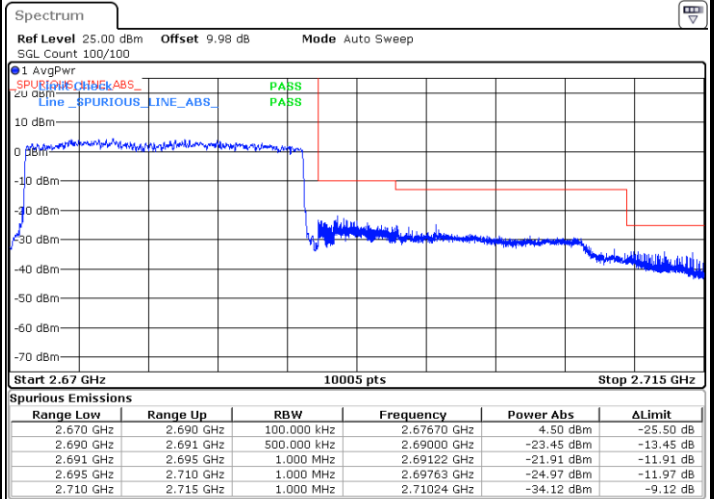
Date: 15 FEB 2022 16:00:43

Lowest Band Edge / Full RB



Date: 9 FEB 2022 15:14:46

Highest Band Edge / Full RB

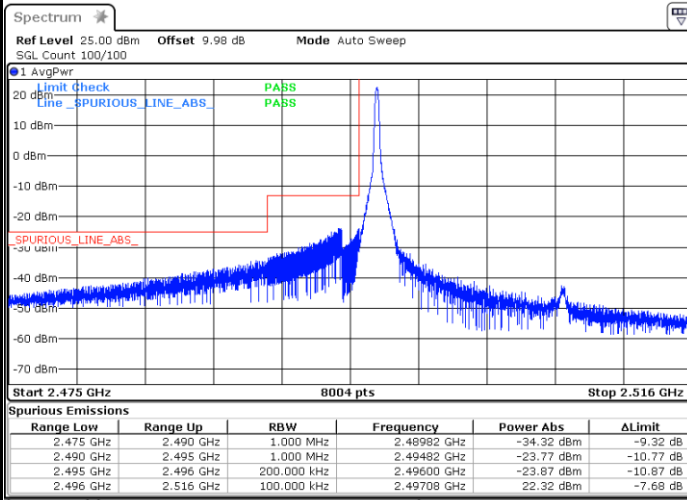


Date: 9 FEB 2022 15:13:40



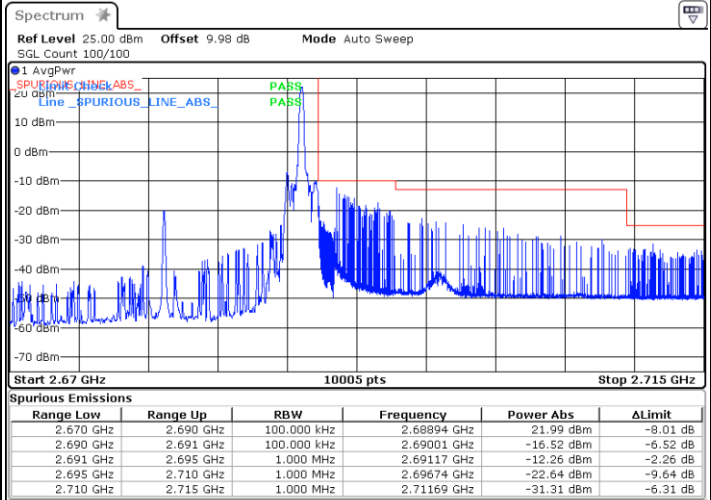
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



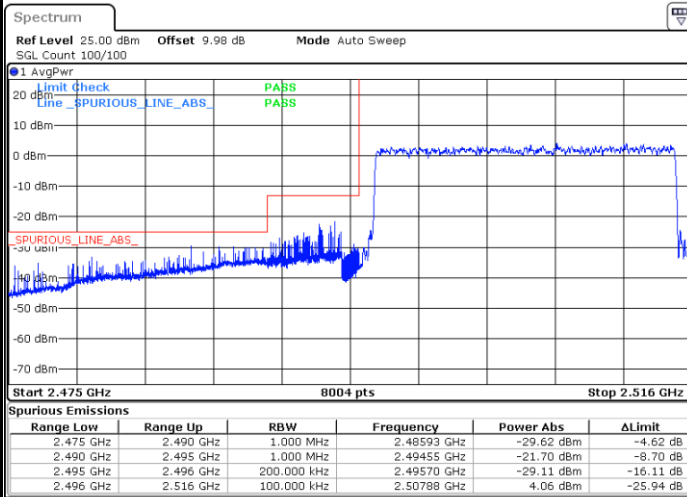
Date: 9 FEB 2022 15:20:20

Highest Band Edge / 1 RB



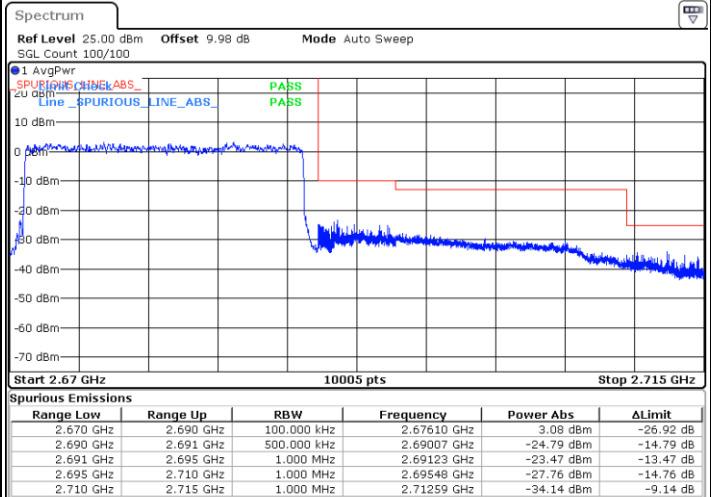
Date: 15 FEB 2022 16:02:13

Lowest Band Edge / Full RB



Date: 9 FEB 2022 15:15:29

Highest Band Edge / Full RB



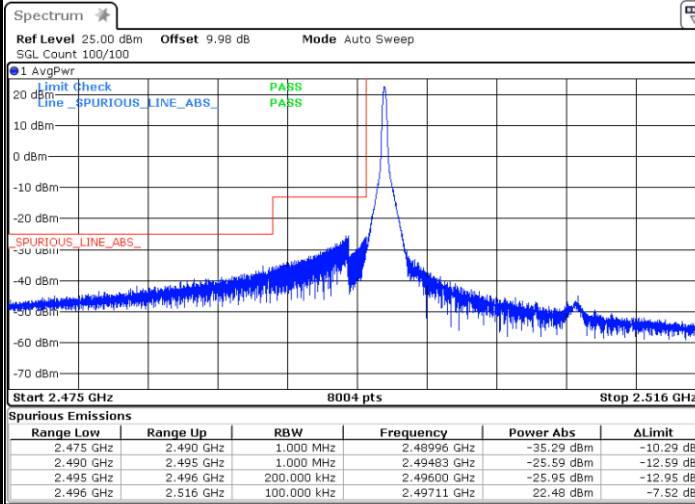
Date: 9 FEB 2022 15:13:13



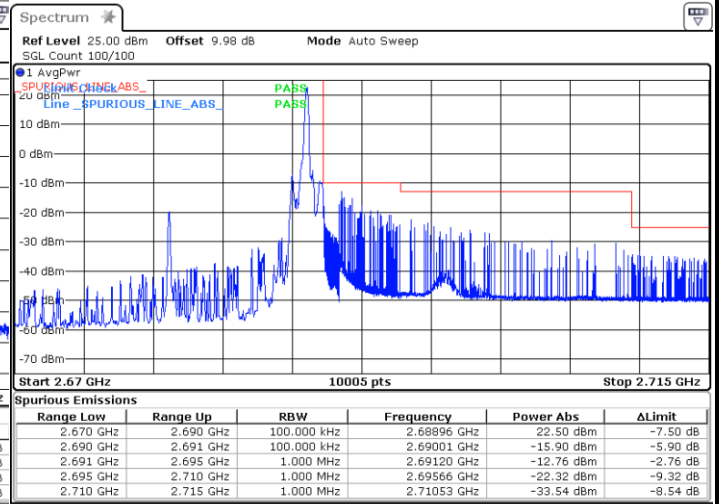
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



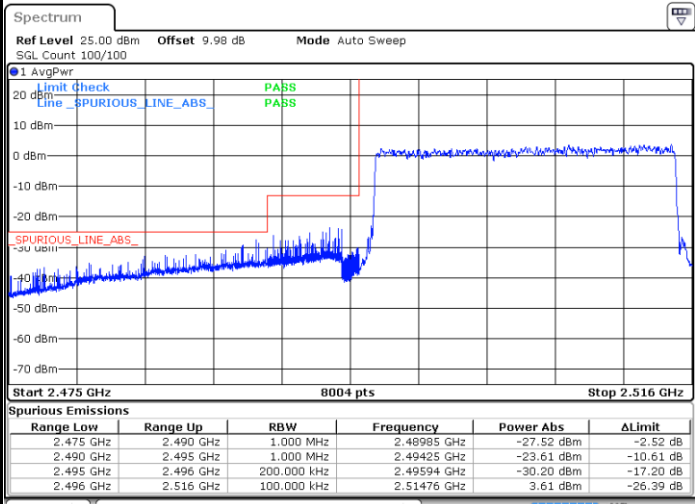
Date: 9 FEB 2022 15:18:17



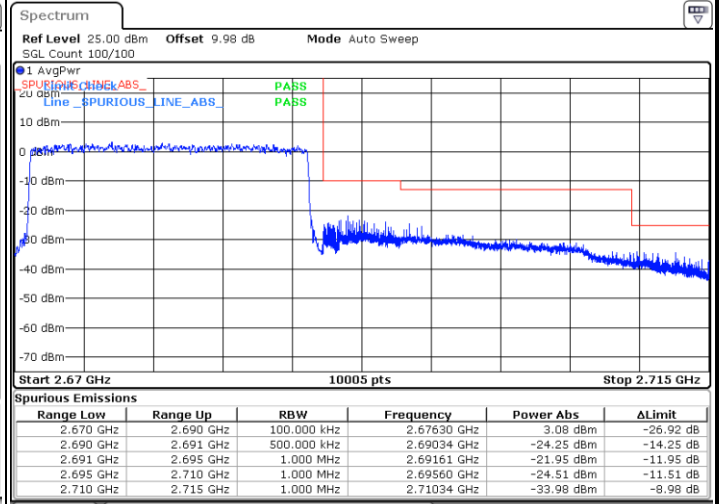
Date: 15 FEB 2022 16:03:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9 FEB 2022 15:15:56

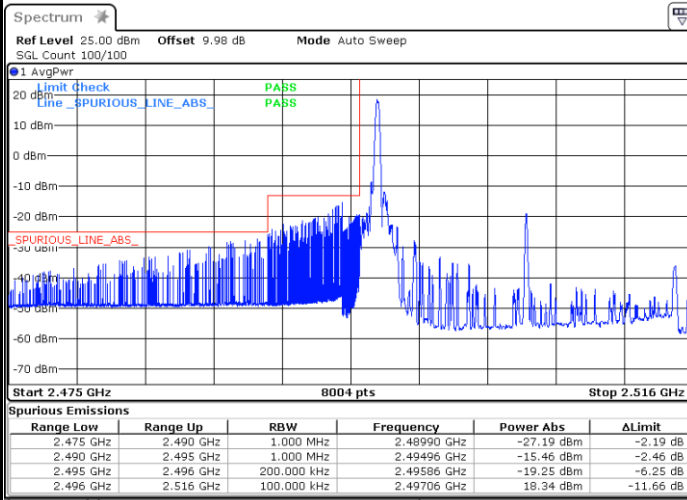


Date: 9 FEB 2022 15:11:49



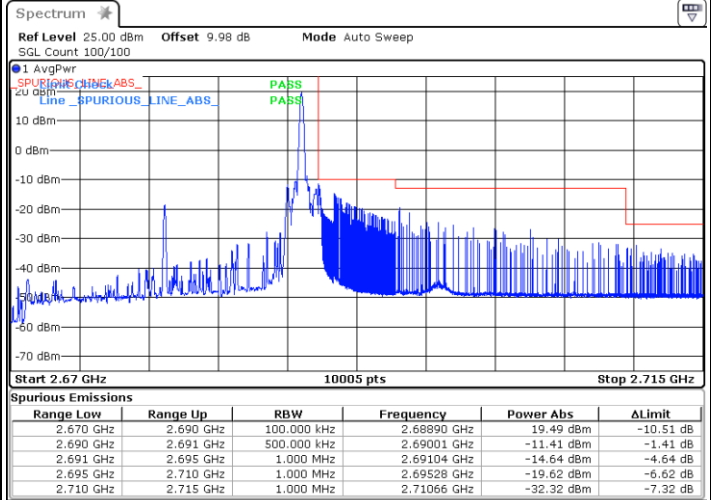
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB



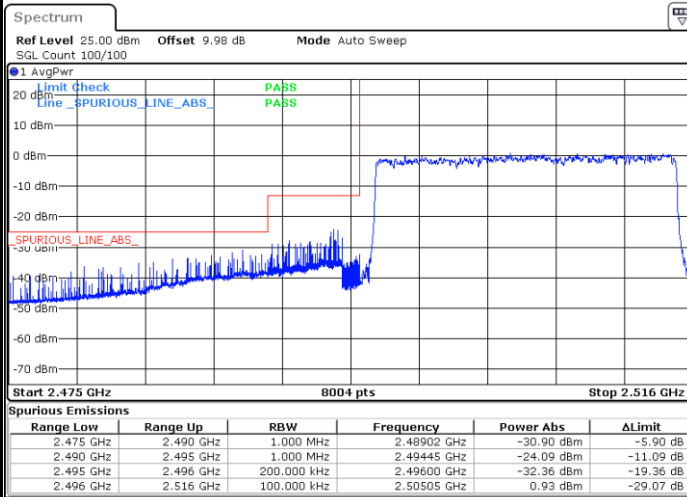
Date: 19.MAR.2022 16:37:30

Highest Band Edge / 1 RB



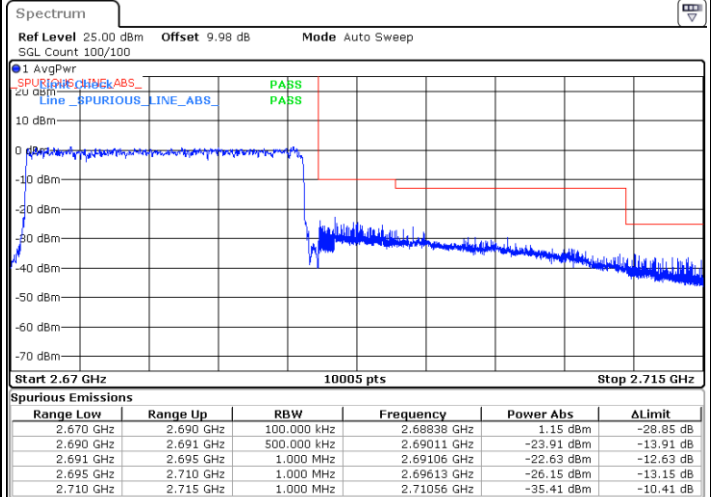
Date: 19.MAR.2022 16:39:36

Lowest Band Edge / Full RB



Date: 19.MAR.2022 16:37:56

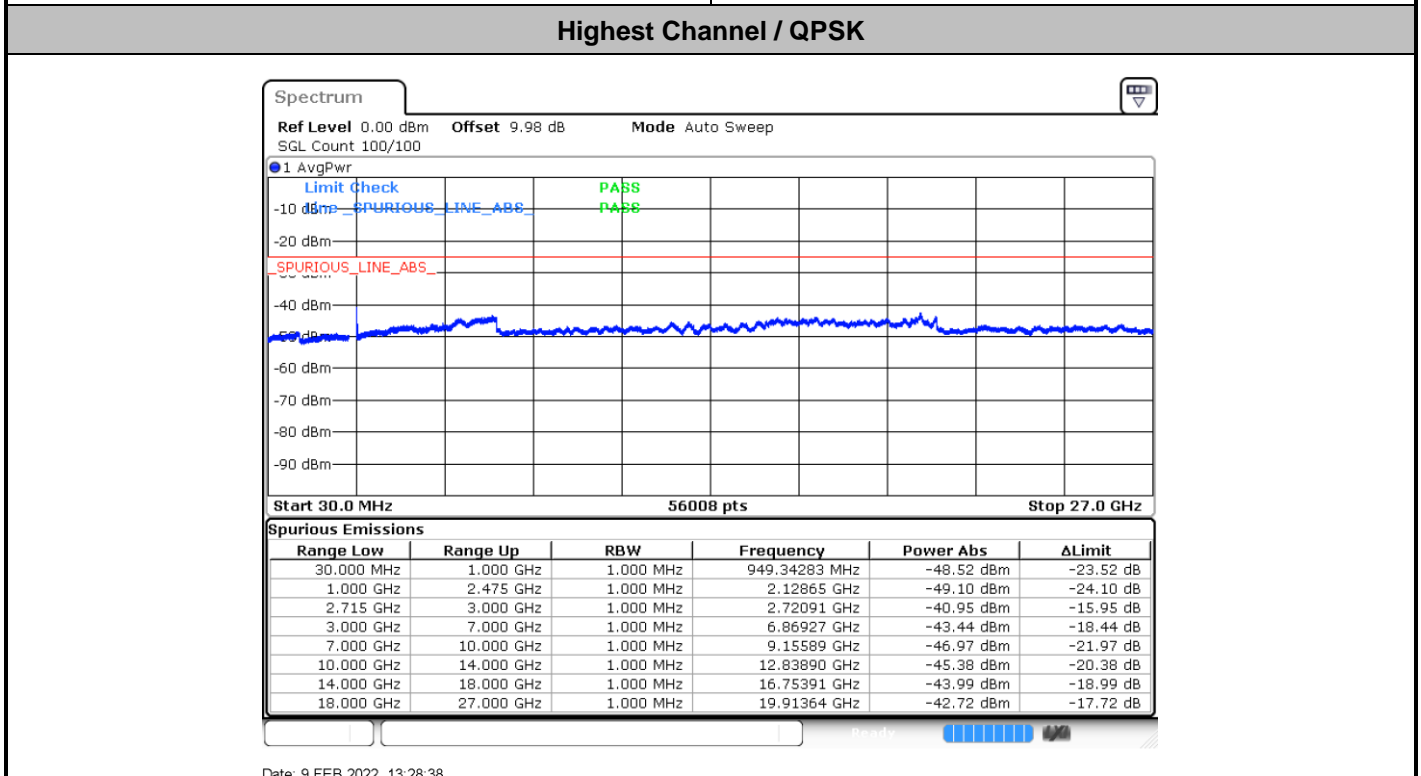
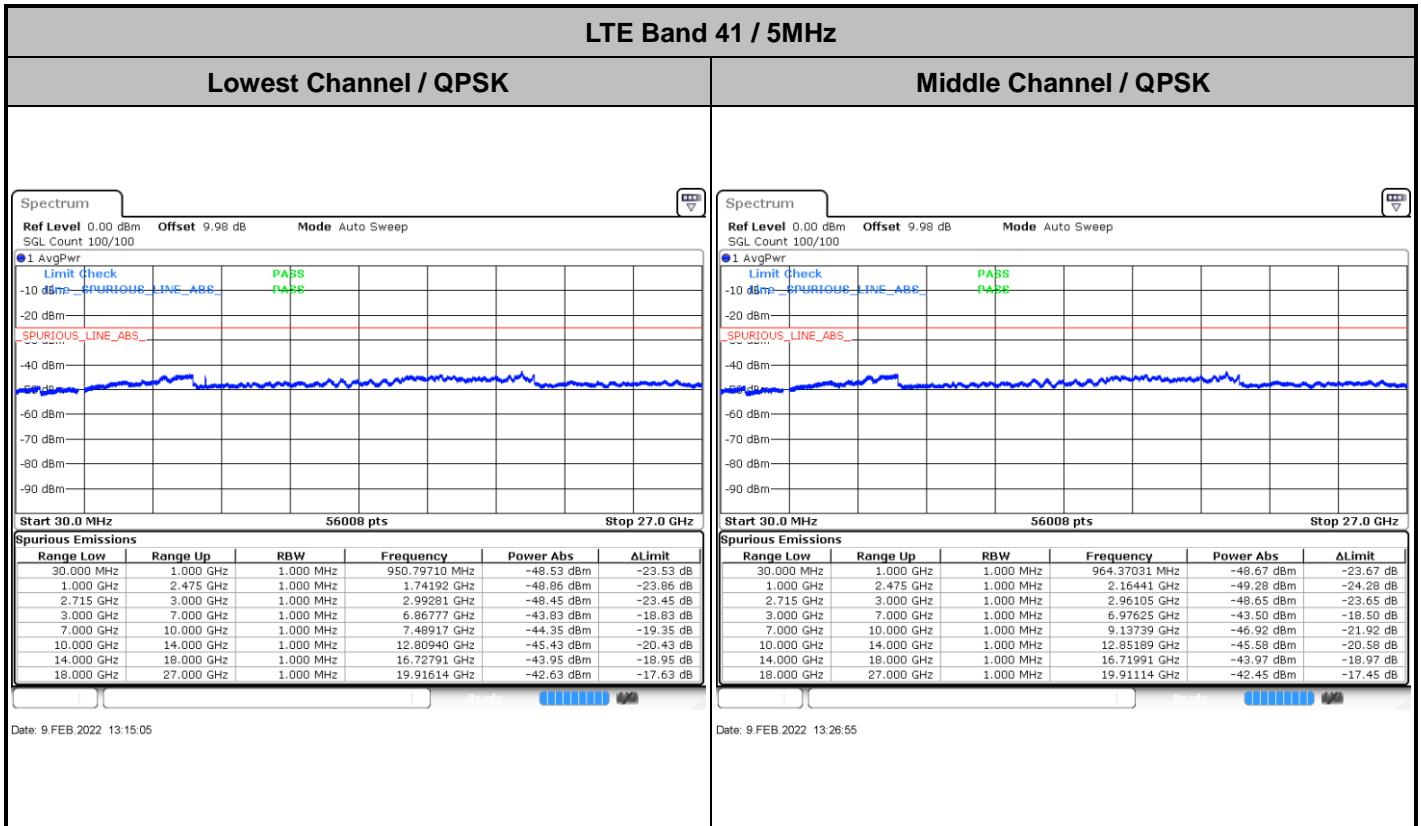
Highest Band Edge / Full RB



Date: 19.MAR.2022 16:40:01



# Conducted Spurious Emission

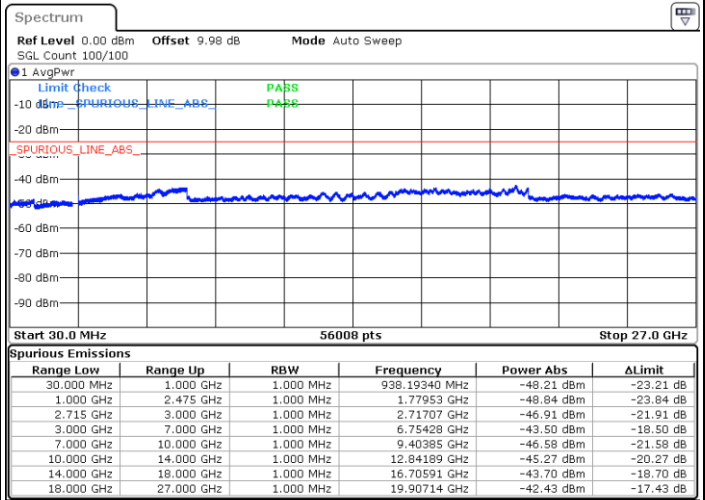
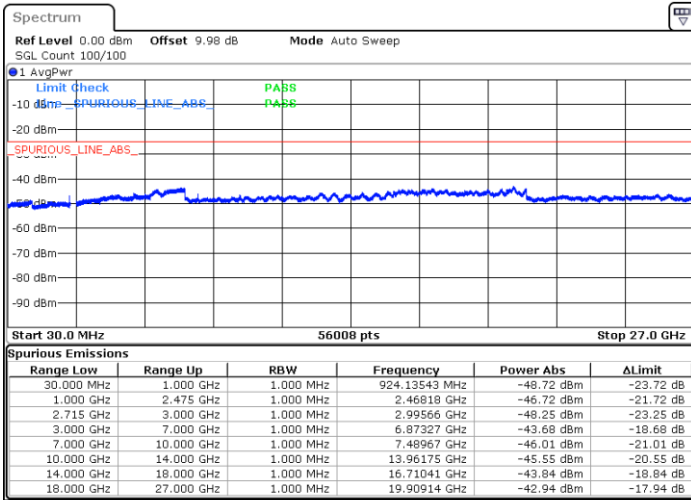




LTE Band 41 / 10MHz

Lowest Channel / QPSK

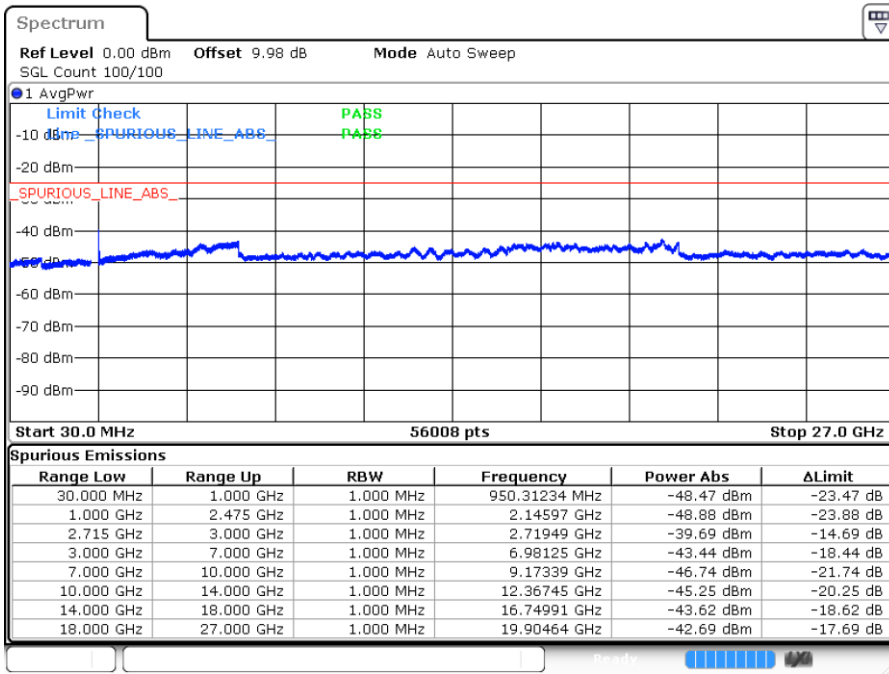
Middle Channel / QPSK



Date: 9.FEB.2022 13:40:37

Date: 9.FEB.2022 14:17:44

Highest Channel / QPSK



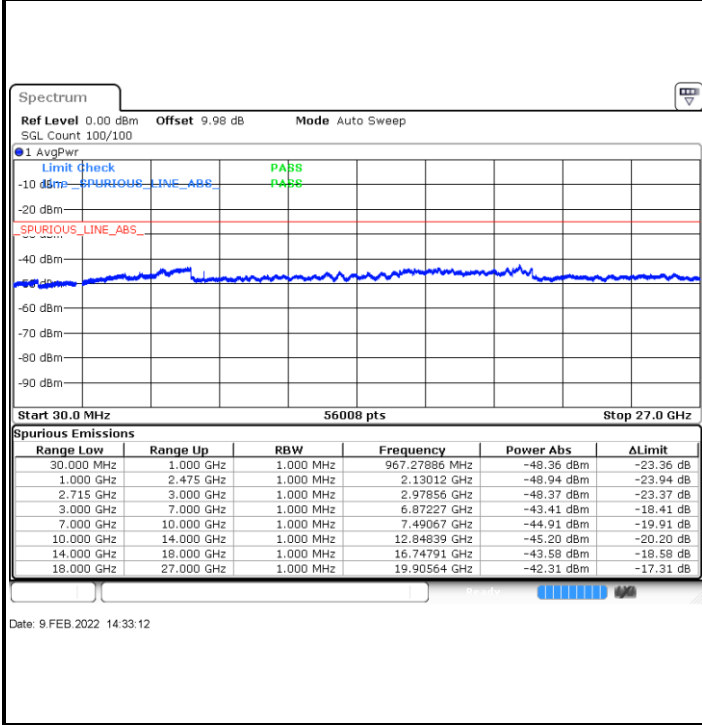
Date: 9.FEB.2022 14:23:41



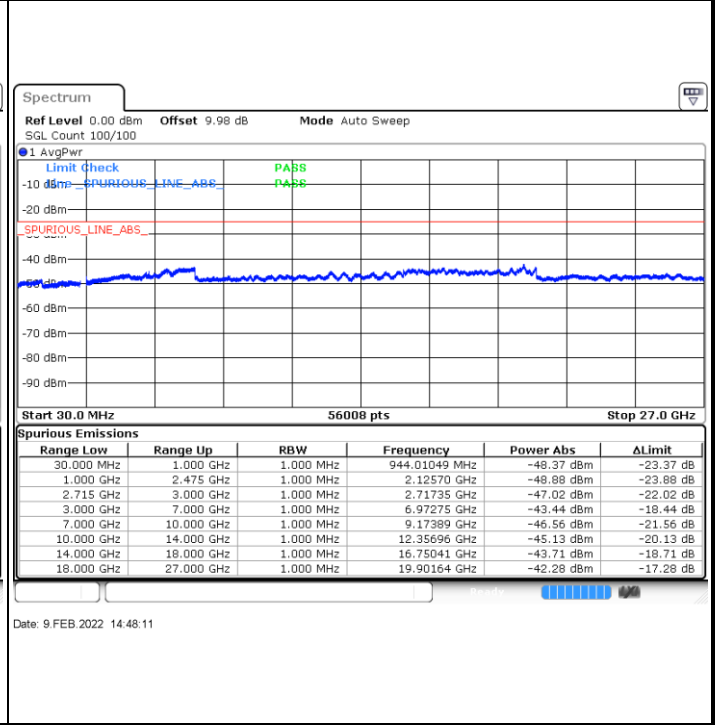


**LTE Band 41 / 15MHz**

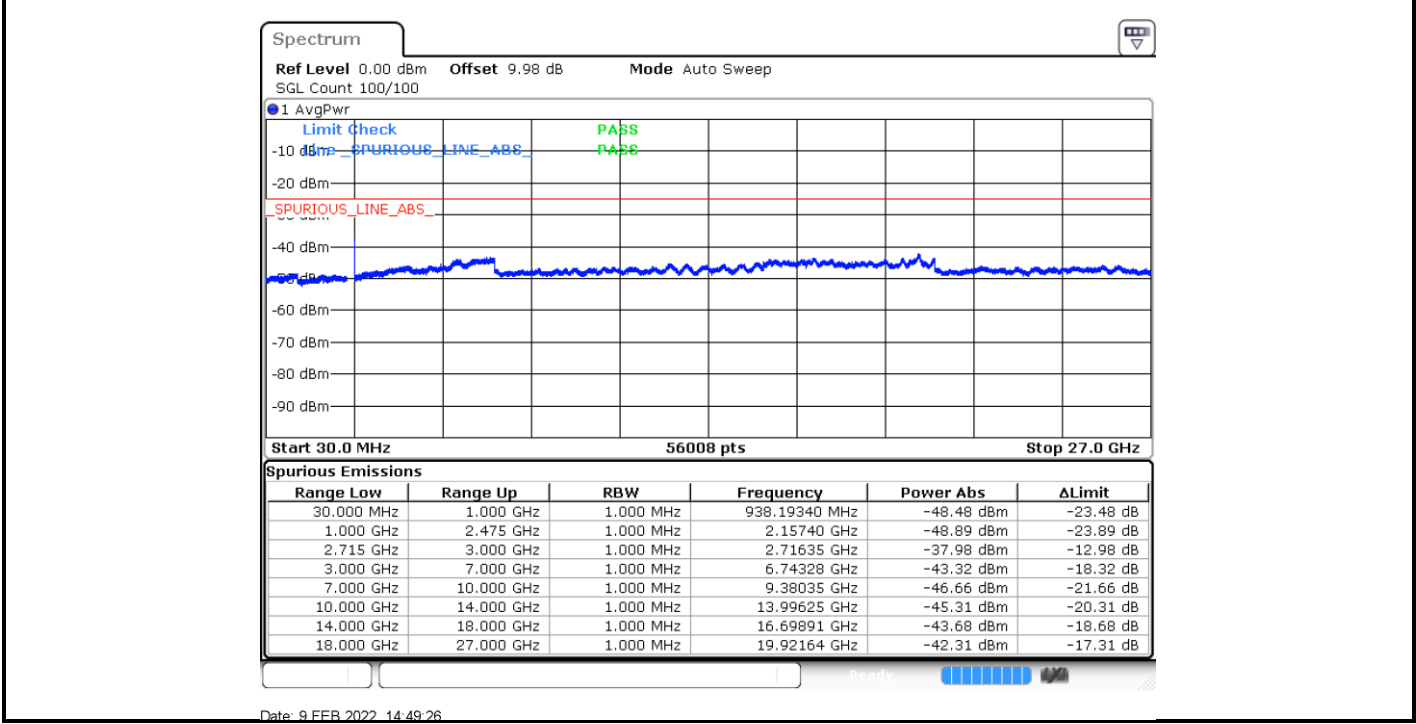
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

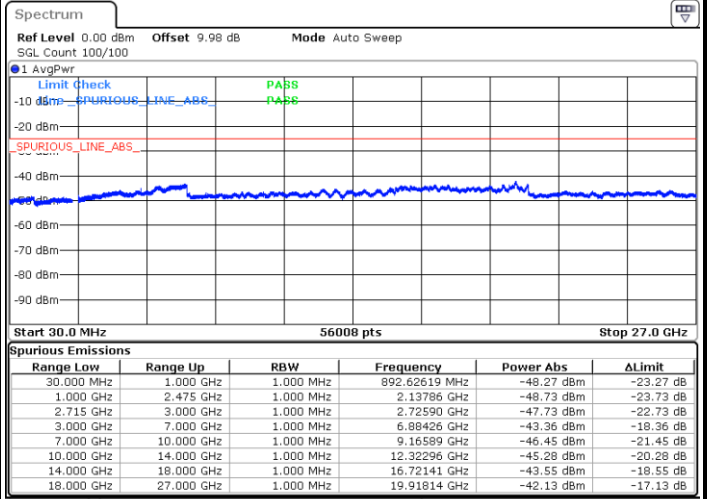
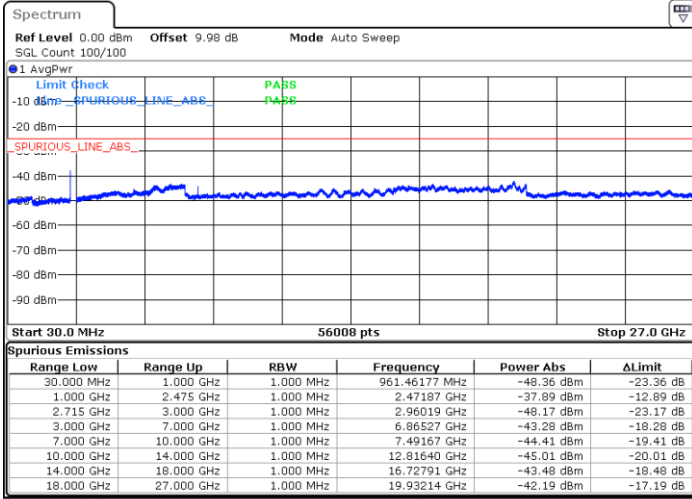




LTE Band 41 / 20MHz

Lowest Channel / QPSK

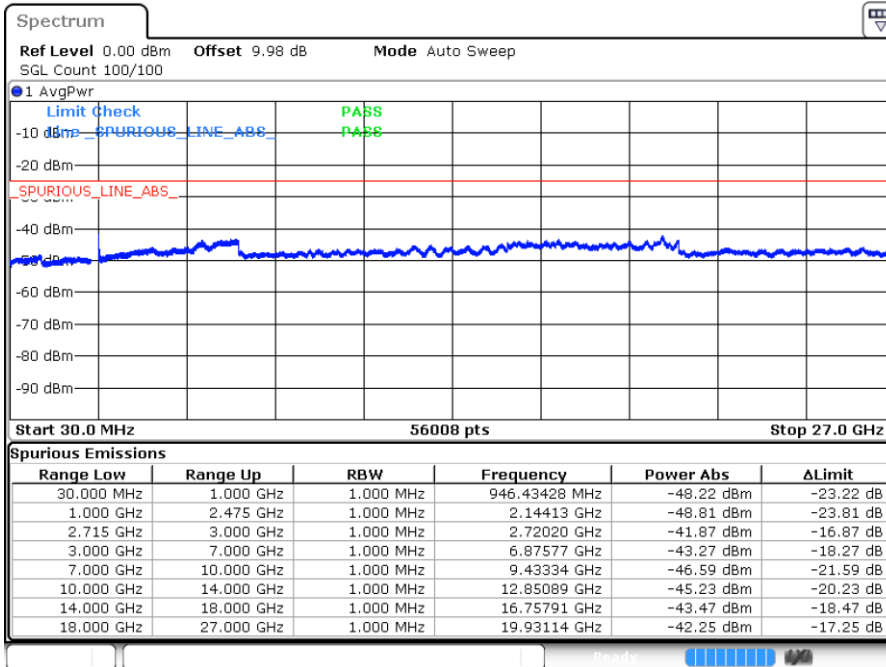
Middle Channel / QPSK



Date: 9.FEB.2022 15:01:20

Date: 9.FEB.2022 15:02:41

Highest Channel / QPSK



Date: 9.FEB.2022 15:03:56



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    | 0.0017                              | PASS    |
| 40               | Normal Voltage    | 0.0012                              |         |
| 30               | Normal Voltage    | 0.0011                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0013                              |         |
| 0                | Normal Voltage    | 0.0009                              |         |
| -10              | Normal Voltage    | 0.0015                              |         |
| -20              | Normal Voltage    | 0.0003                              |         |
| -30              | Normal Voltage    | 0.0021                              |         |
| 20               | Maximum Voltage   | 0.0011                              |         |
| 20               | Normal Voltage    | 0.0007                              |         |
| 20               | Battery End Point | 0.0005                              |         |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

## 26dB Bandwidth

|           |                            |       |
|-----------|----------------------------|-------|
| Mode      | LTE Band 7C : 26dB BW(MHz) |       |
| BW        | 20MHz+20MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 39.88                      | 39.72 |

