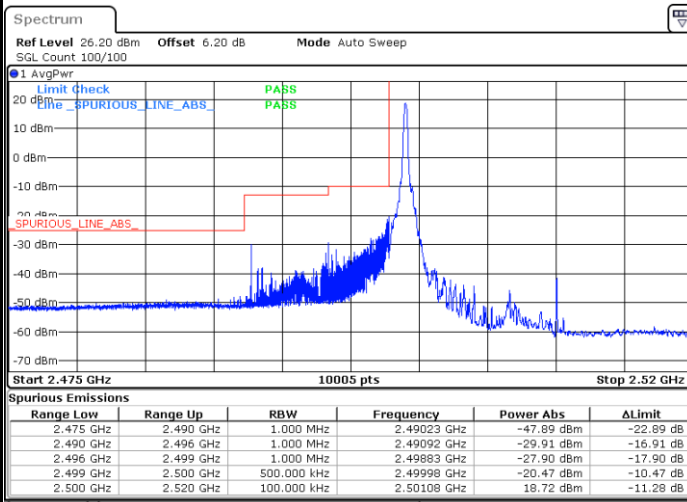




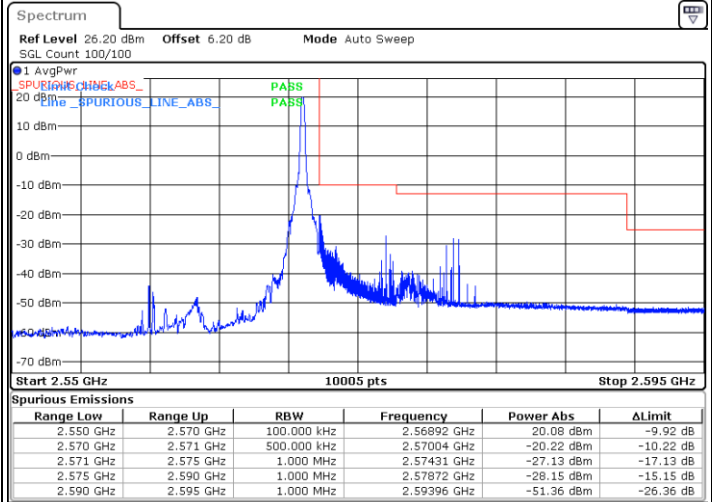
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



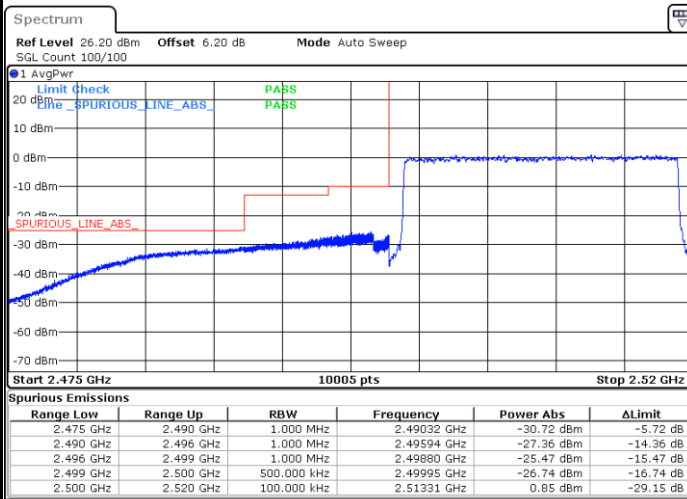
Date: 30.DEC.2022 22:07:14

Highest Band Edge / 1 RB



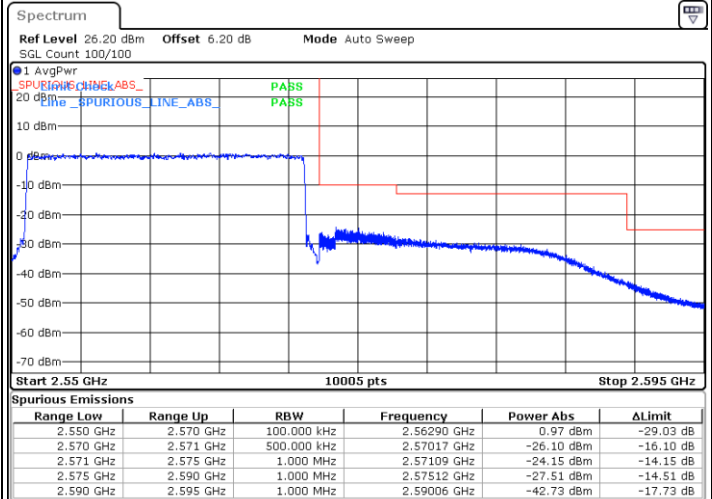
Date: 30.DEC.2022 23:01:04

Lowest Band Edge / Full RB



Date: 30.DEC.2022 22:56:16

Highest Band Edge / Full RB



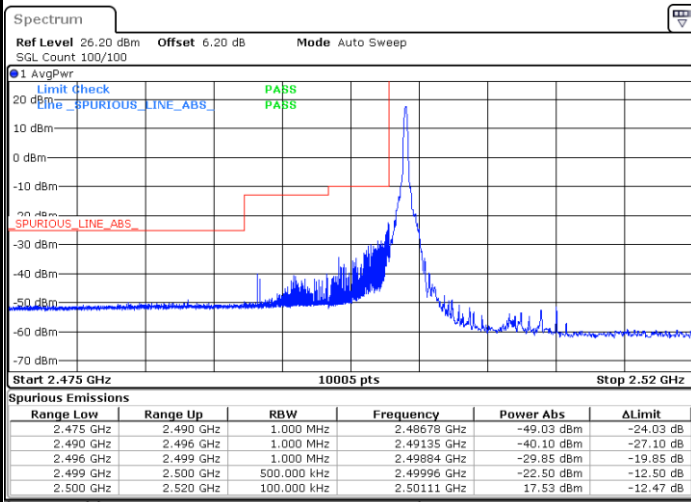
Date: 30.DEC.2022 23:02:34



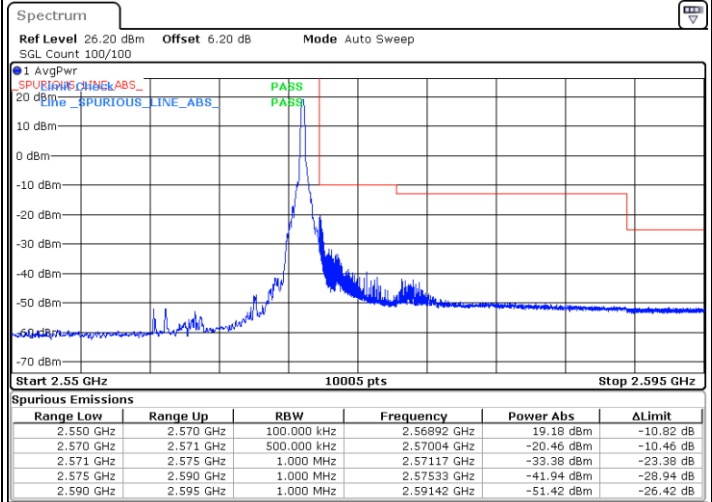
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



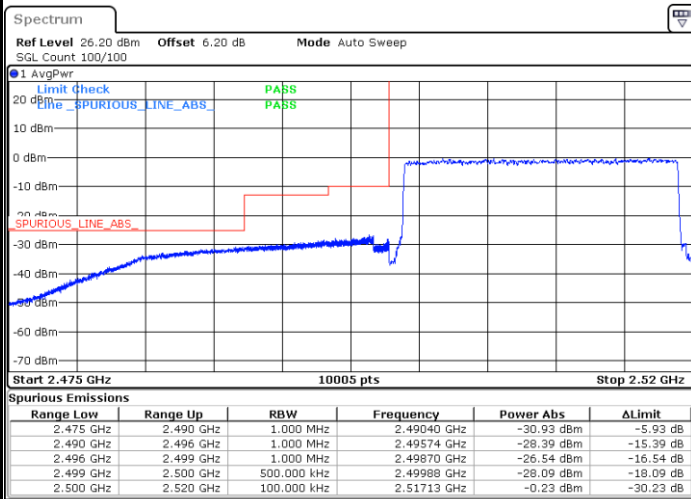
Date: 30.DEC.2022 22:07:44



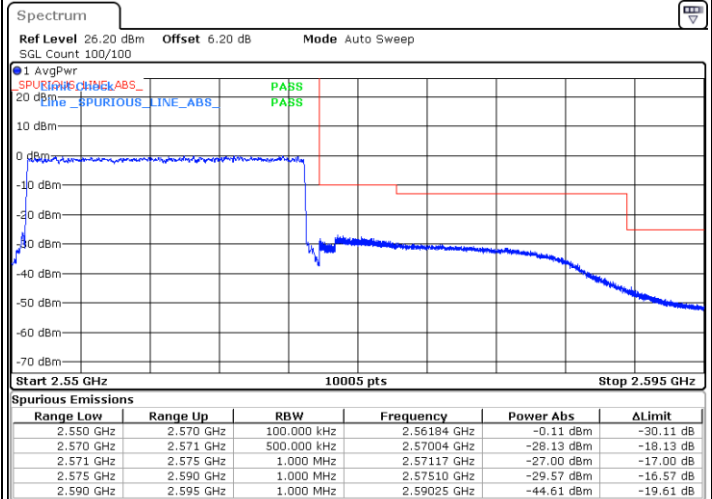
Date: 30.DEC.2022 23:01:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.DEC.2022 22:55:16

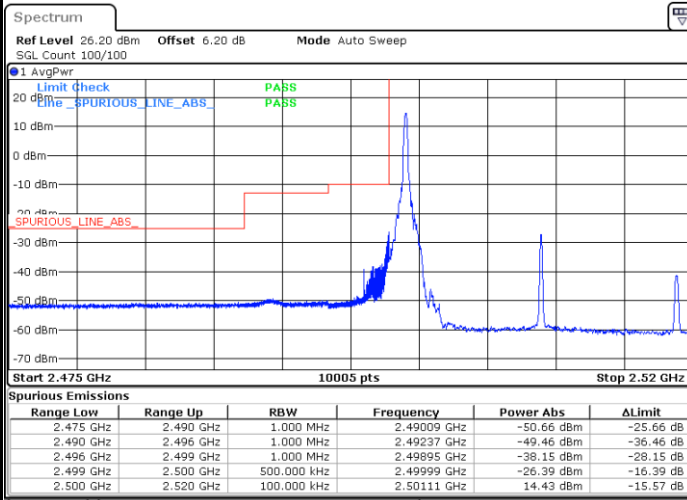


Date: 30.DEC.2022 23:02:04



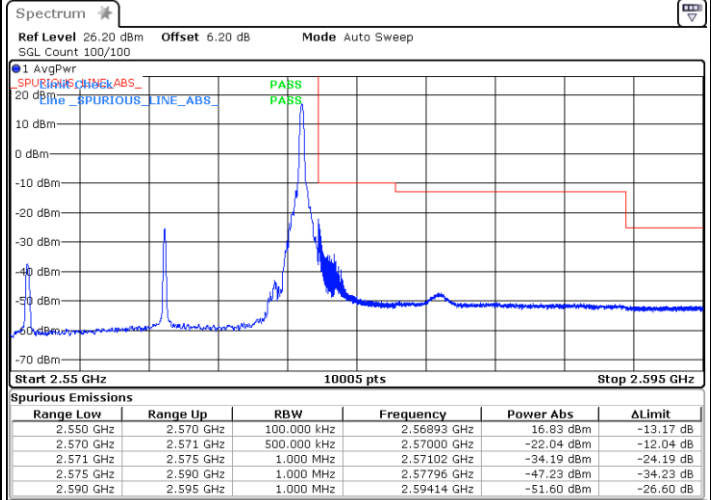
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



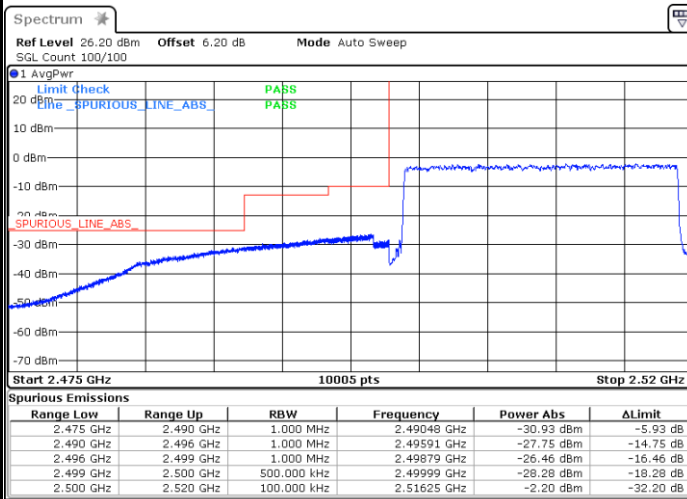
Date: 30.DEC.2022 22:08:14

Highest Band Edge / 1 RB



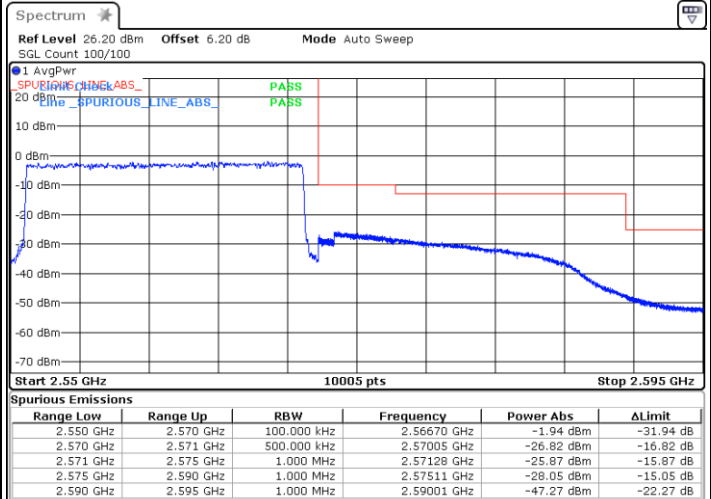
Date: 30.DEC.2022 23:27:51

Lowest Band Edge / Full RB



Date: 30.DEC.2022 23:25:11

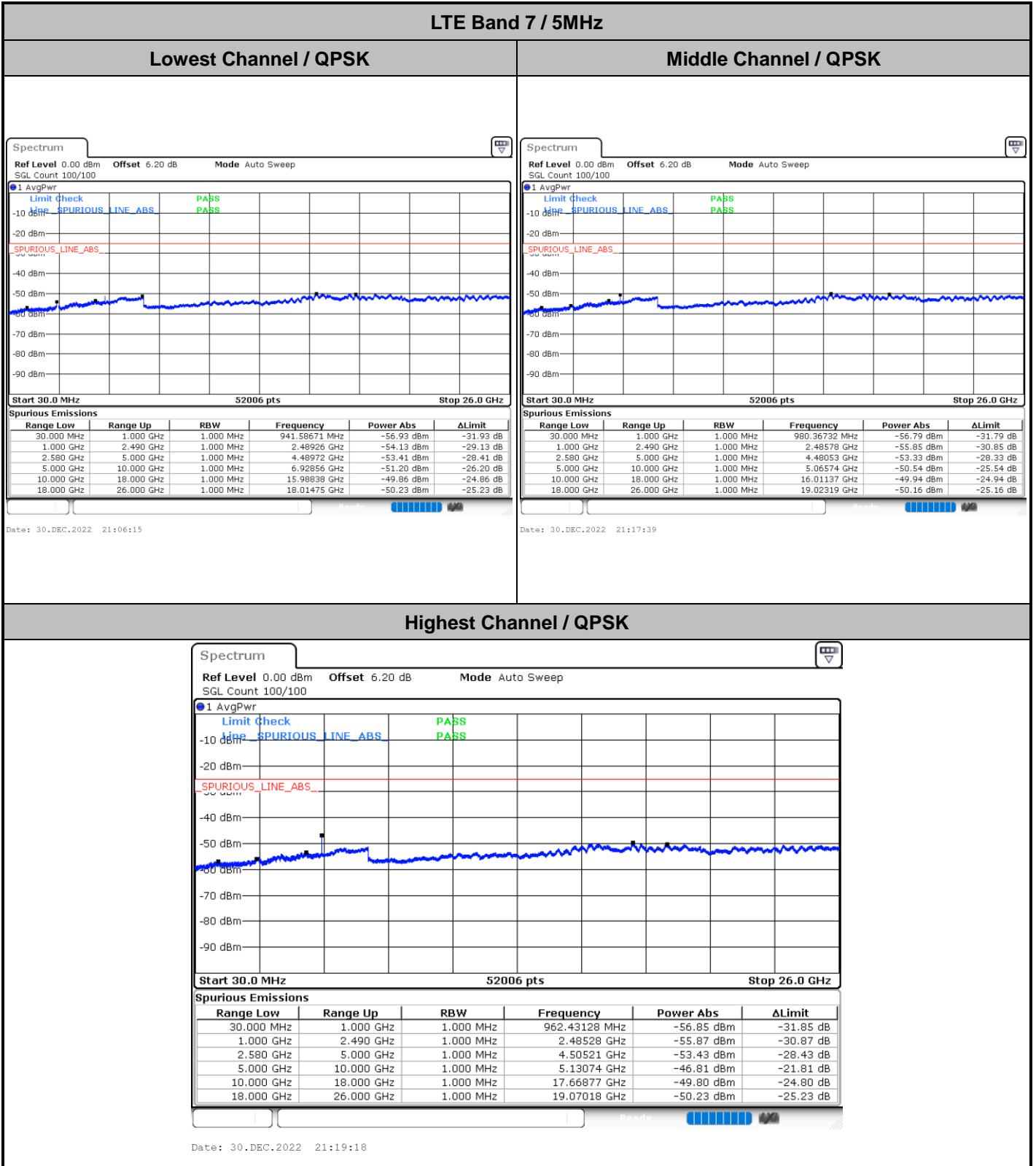
Highest Band Edge / Full RB



Date: 30.DEC.2022 23:26:32



# Conducted Spurious Emission

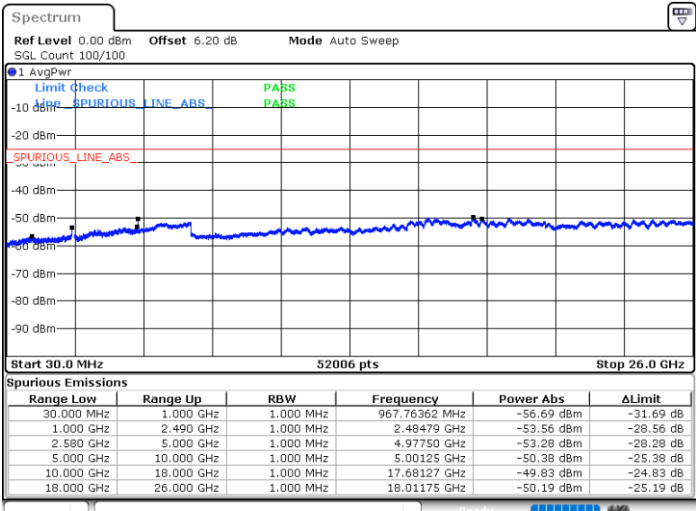




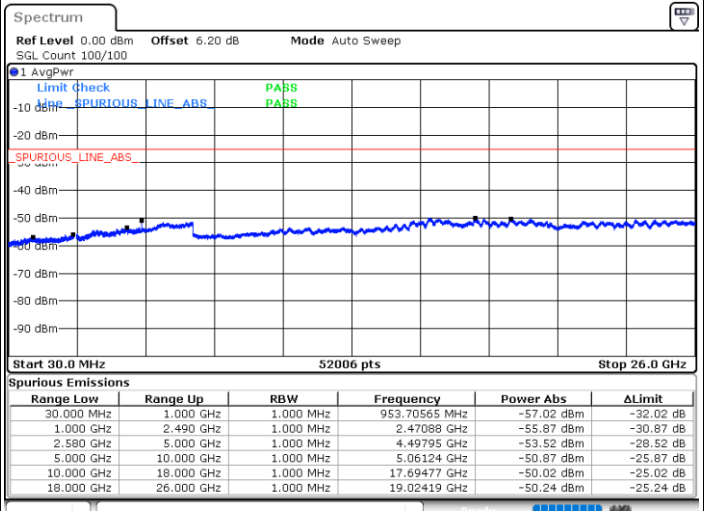
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

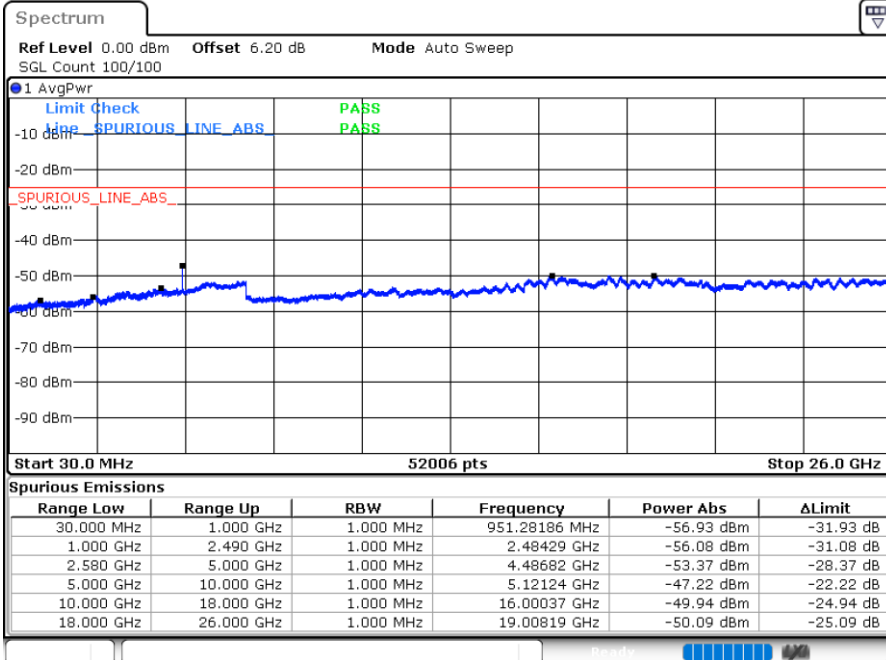


Date: 30.DEC.2022 21:25:24



Date: 30.DEC.2022 21:40:30

Highest Channel / QPSK



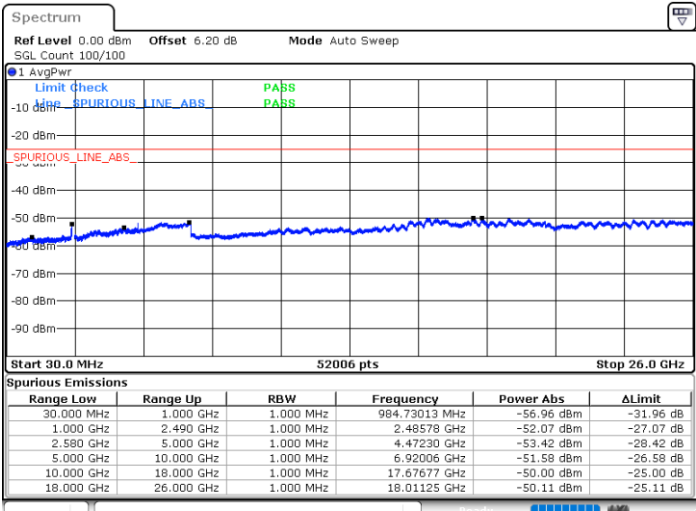
Date: 30.DEC.2022 21:42:08



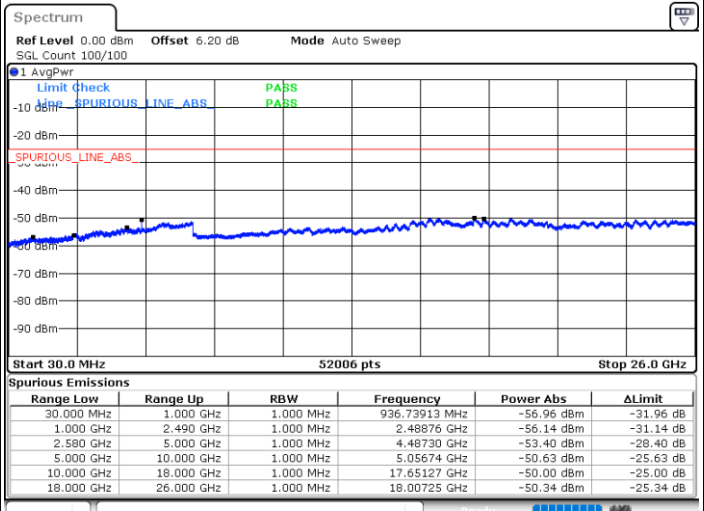
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

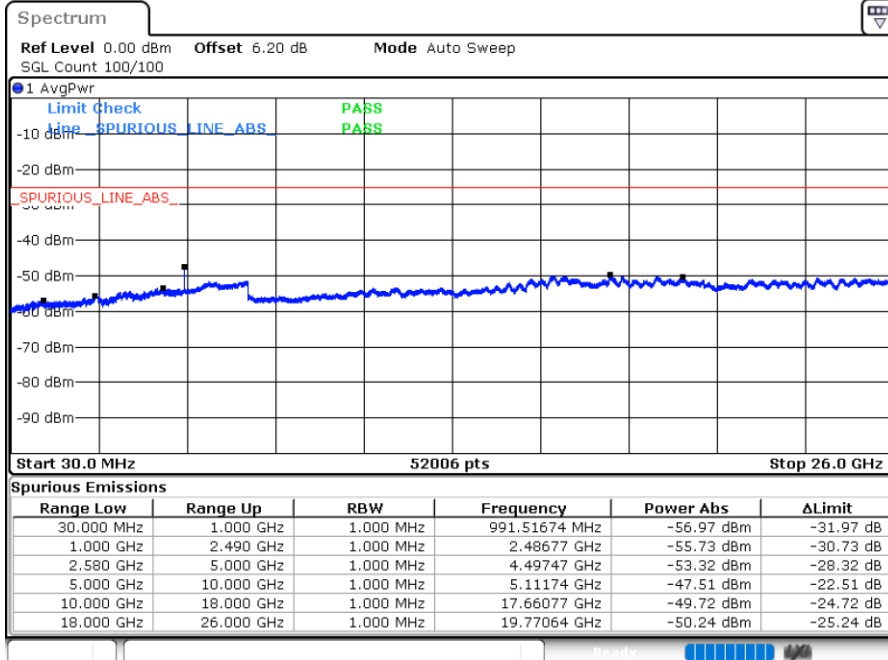


Date: 30.DEC.2022 21:48:16



Date: 30.DEC.2022 21:58:21

Highest Channel / QPSK



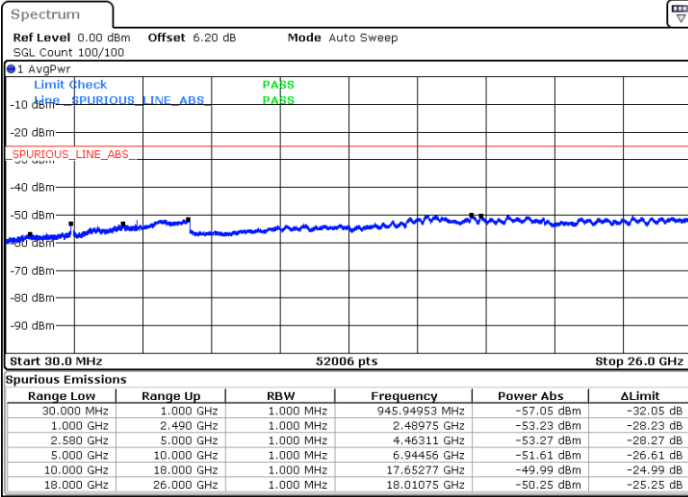
Date: 30.DEC.2022 22:00:00



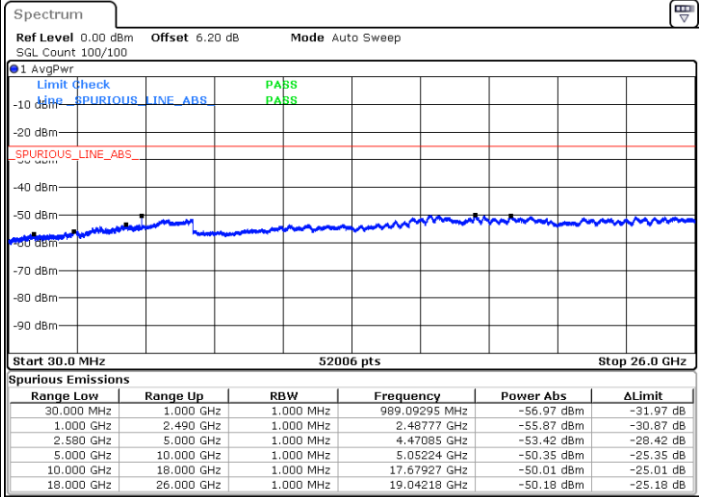
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

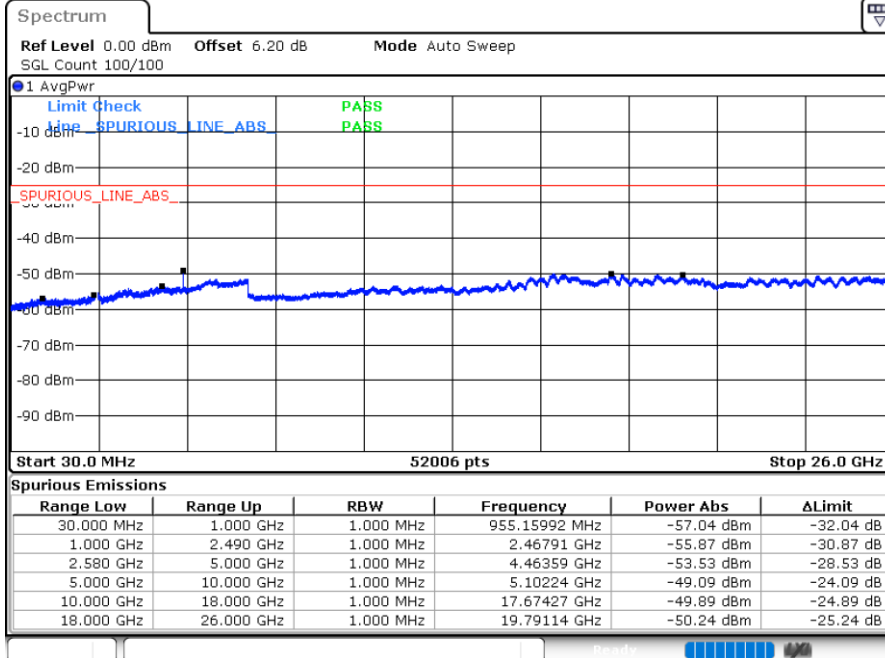


Date: 30.DEC.2022 22:06:14



Date: 30.DEC.2022 22:58:25

Highest Channel / QPSK



Date: 30.DEC.2022 23:00:03



### 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    | 0.0006                             | PASS    |
| 40               | Normal Voltage    | 0.0014                             |         |
| 30               | Normal Voltage    | 0.0016                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0008                             |         |
| 0                | Normal Voltage    | 0.0032                             |         |
| -10              | Normal Voltage    | 0.0012                             |         |
| -20              | Normal Voltage    | 0.0007                             |         |
| -30              | Normal Voltage    | 0.0011                             |         |
| 20               | Maximum Voltage   | 0.0006                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0022                             |         |

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# LTE Band 7C

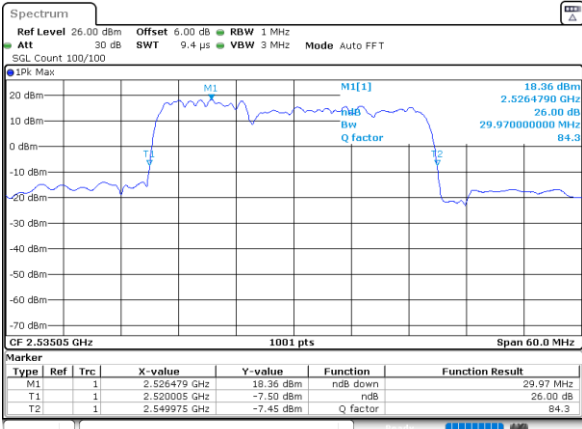
## 26dB Bandwidth

| Mode      | LTE Band 7C : 26dB BW(MHz) |       |
|-----------|----------------------------|-------|
| BW        | 10MHz+20MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 29.97                      | 30.09 |
| BW        | 15MHz+10MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 25.28                      | 25.62 |
| BW        | 15MHz+15MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 30.81                      | 30.75 |
| BW        | 15MHz+20MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 35.18                      | 35.04 |
| BW        | 20MHz+10MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 30.03                      | 30.03 |
| BW        | 20MHz+15MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 35.04                      | 34.90 |
| BW        | 20MHz+20MHz                |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 40.04                      | 39.96 |



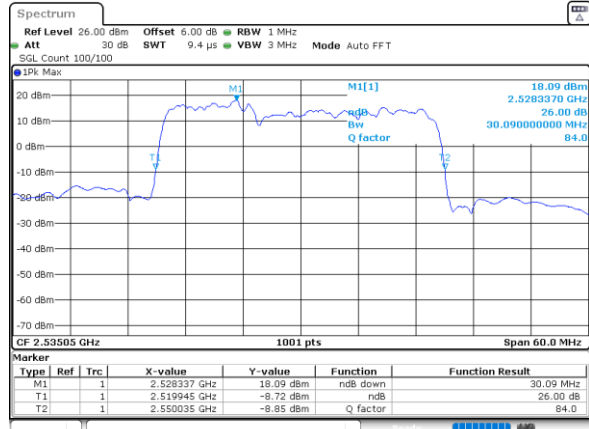
LTE Band 7C

Middle Channel / 10MHz+20MHz / QPSK



Date: 4.FEB.2023 01:27:09

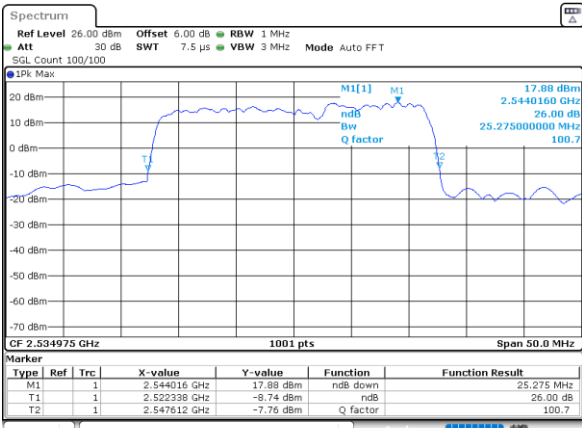
Middle Channel / 10MHz+20MHz / 16QAM



Date: 4.FEB.2023 01:27:36

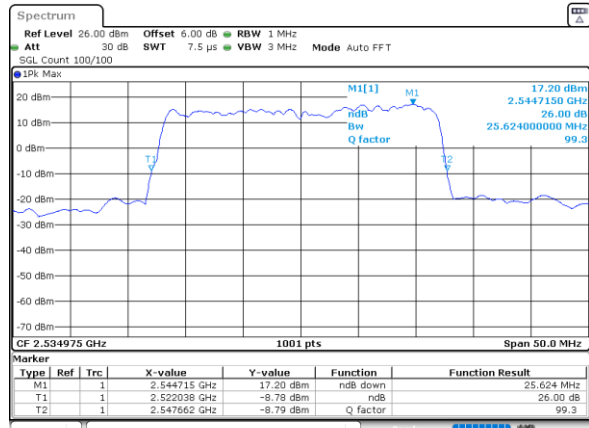
LTE Band 7C

Middle Channel / 15MHz+10MHz / QPSK



Date: 4.FEB.2023 02:03:42

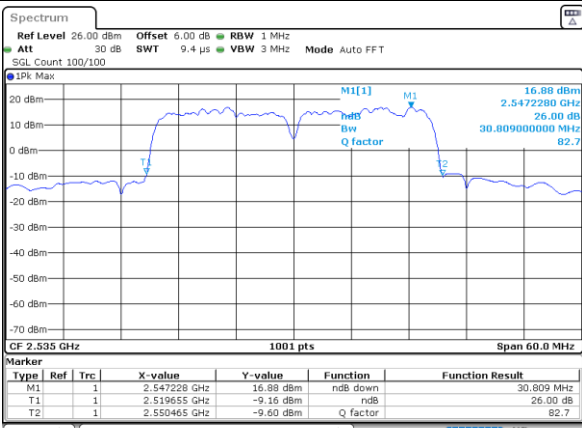
Middle Channel / 15MHz+10MHz / 16QAM



Date: 4.FEB.2023 02:04:10

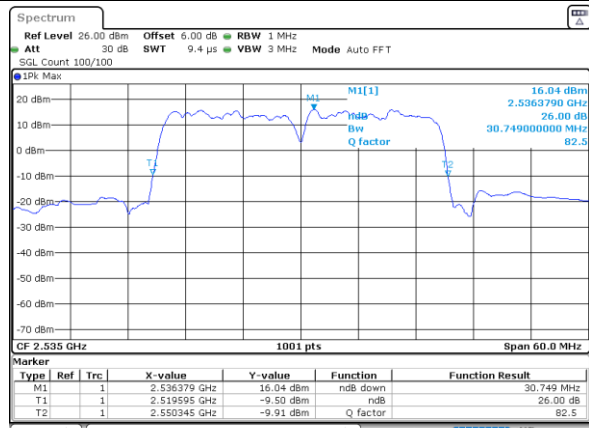
LTE Band 7C

Middle Channel / 15MHz+15MHz / QPSK



Date: 4.FEB.2023 02:40:34

Middle Channel / 15MHz+15MHz / 16QAM

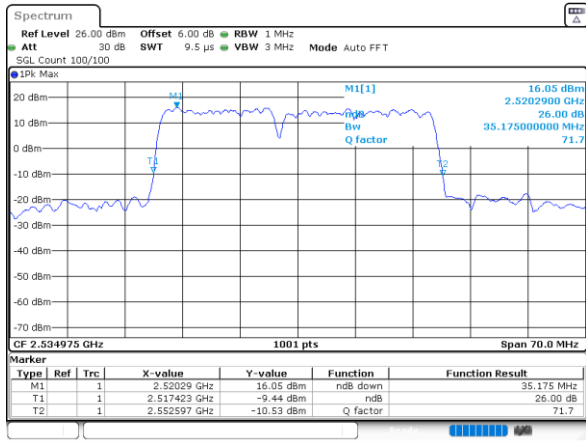


Date: 4.FEB.2023 02:41:02



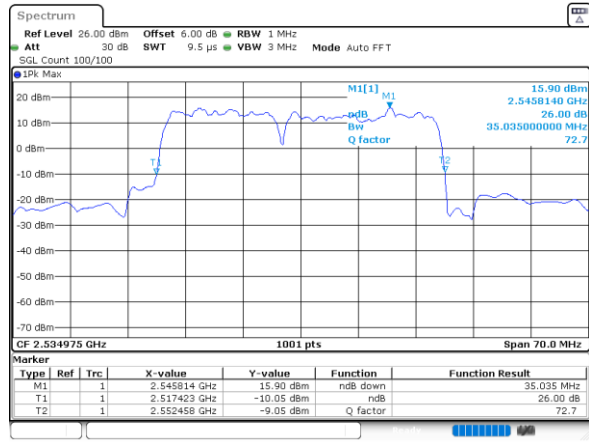
LTE Band 7C

Middle Channel / 15MHz+20MHz / QPSK



Date: 4.FEB.2023 03:18:05

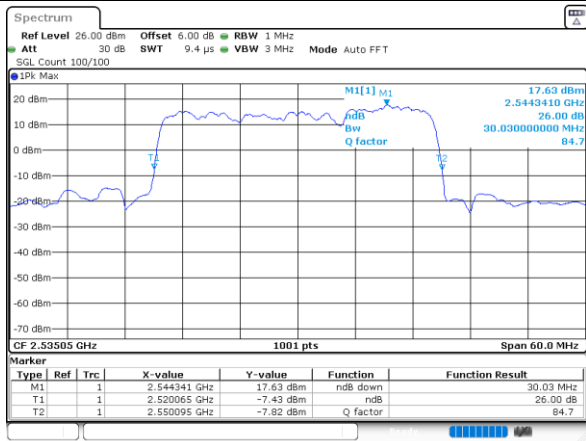
Middle Channel / 15MHz+20MHz / 16QAM



Date: 4.FEB.2023 03:19:27

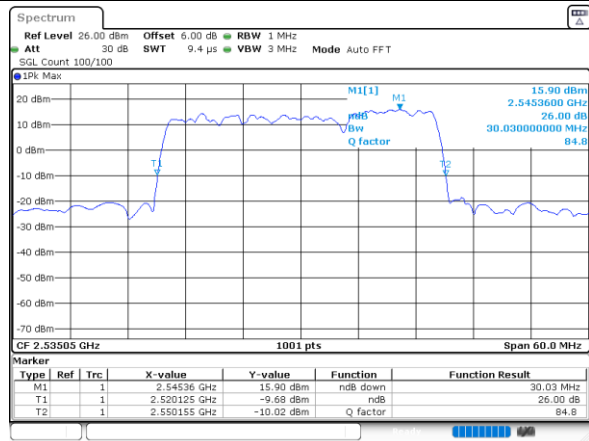
LTE Band 7C

Middle Channel / 20MHz+10MHz / QPSK



Date: 4.FEB.2023 03:59:40

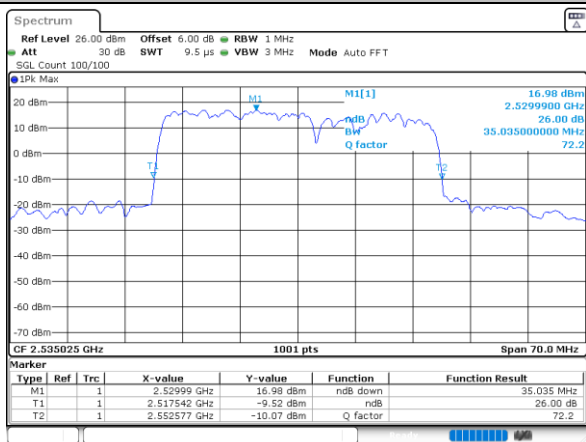
Middle Channel / 20MHz+10MHz / 16QAM



Date: 4.FEB.2023 04:00:08

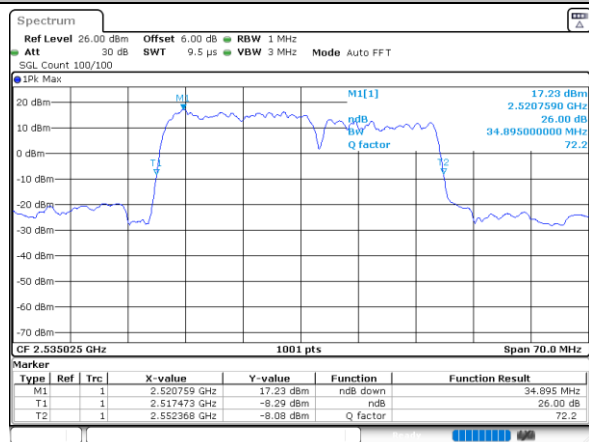
LTE Band 7C

Middle Channel / 20MHz+15MHz / QPSK



Date: 4.FEB.2023 04:35:46

Middle Channel / 20MHz+15MHz / 16QAM

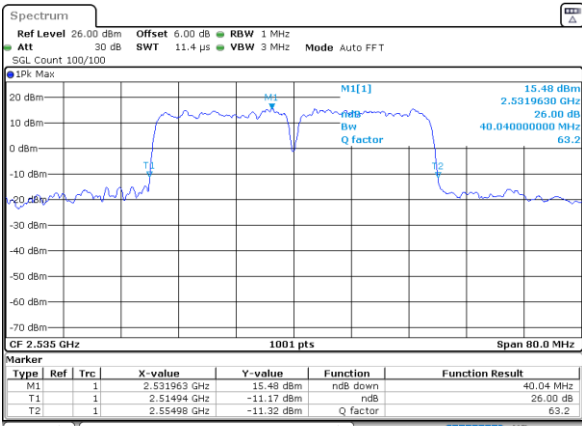


Date: 4.FEB.2023 04:36:14



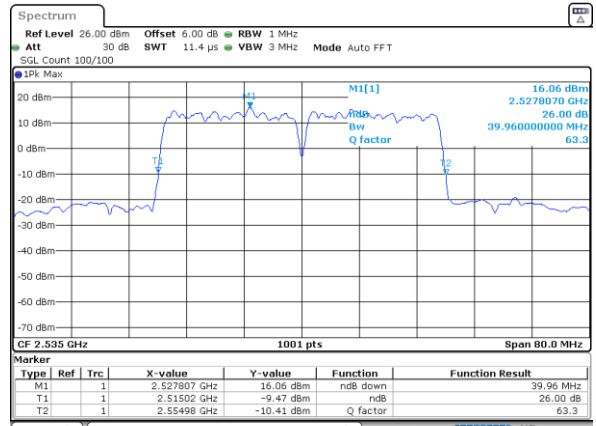
LTE Band 7C

Middle Channel / 20MHz+20MHz / QPSK



Date: 4.FEB.2023 05:27:31

Middle Channel / 20MHz+20MHz / 16QAM



Date: 4.FEB.2023 05:27:59



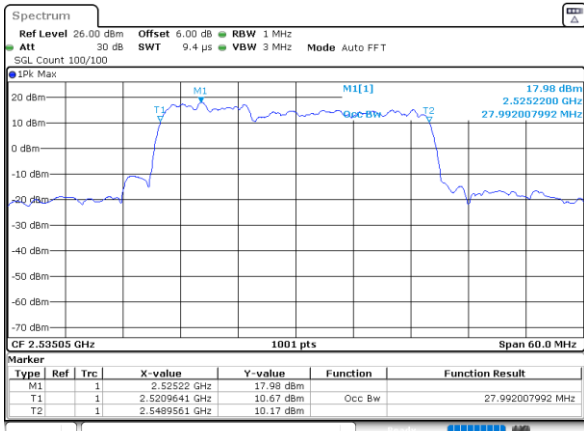
Occupied Bandwidth

| Mode      | LTE Band 7C : 99%OBW(MHz) |       |
|-----------|---------------------------|-------|
| BW        | 10MHz+20MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 27.99                     | 28.23 |
| BW        | 15MHz+10MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 23.58                     | 23.48 |
| BW        | 15MHz+15MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 28.83                     | 28.77 |
| BW        | 15MHz+20MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 32.73                     | 32.87 |
| BW        | 20MHz+10MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 28.05                     | 27.99 |
| BW        | 20MHz+15MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 32.73                     | 32.73 |
| BW        | 20MHz+20MHz               |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 37.80                     | 37.88 |



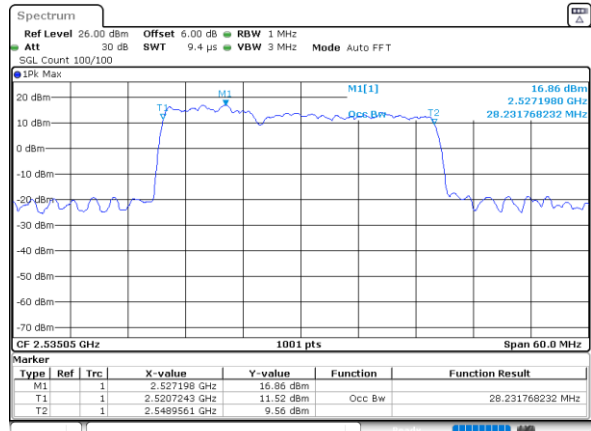
LTE Band 7C

Middle Channel / 10MHz+20MHz / QPSK



Date: 4.FEB.2023 01:26:41

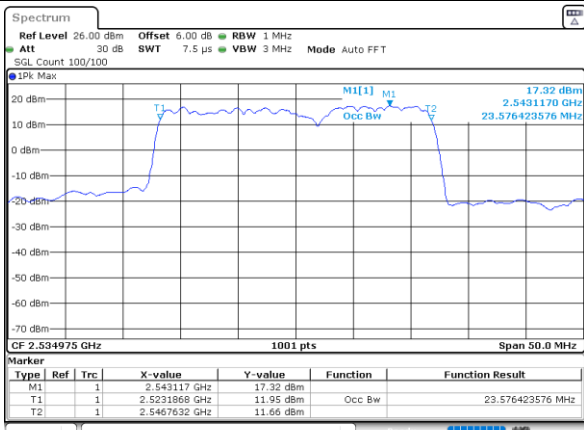
Middle Channel / 10MHz+20MHz / 16QAM



Date: 4.FEB.2023 01:28:04

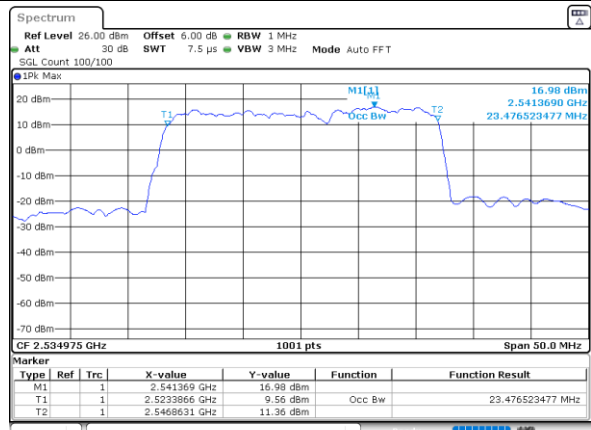
LTE Band 7C

Middle Channel / 15MHz+10MHz / QPSK



Date: 4.FEB.2023 02:03:15

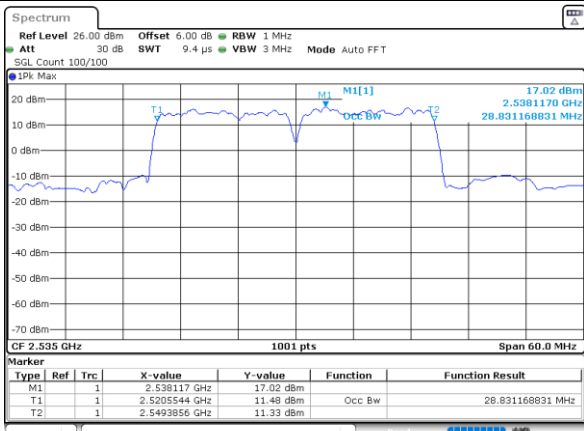
Middle Channel / 15MHz+10MHz / 16QAM



Date: 4.FEB.2023 02:04:38

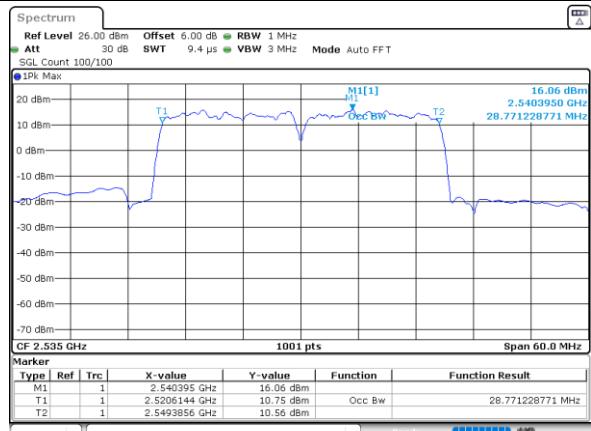
LTE Band 7C

Middle Channel / 15MHz+15MHz / QPSK



Date: 4.FEB.2023 02:40:07

Middle Channel / 15MHz+15MHz / 16QAM

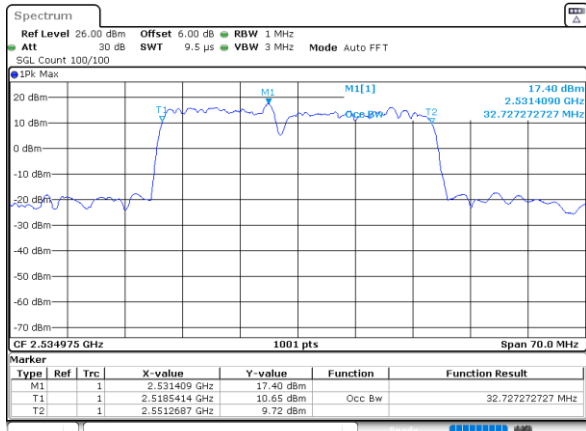


Date: 4.FEB.2023 02:41:29



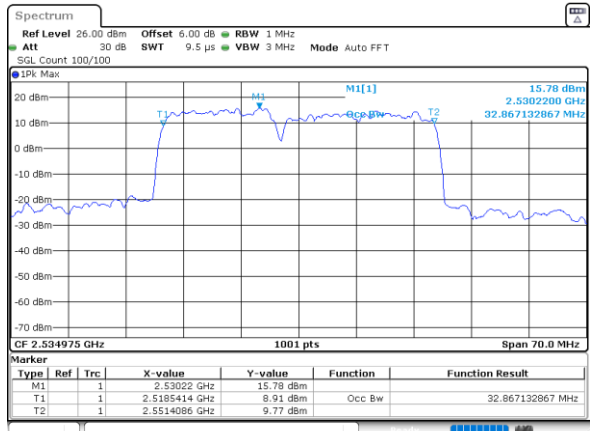
LTE Band 7C

Middle Channel / 15MHz+20MHz / QPSK



Date: 4.FEB.2023 03:18:32

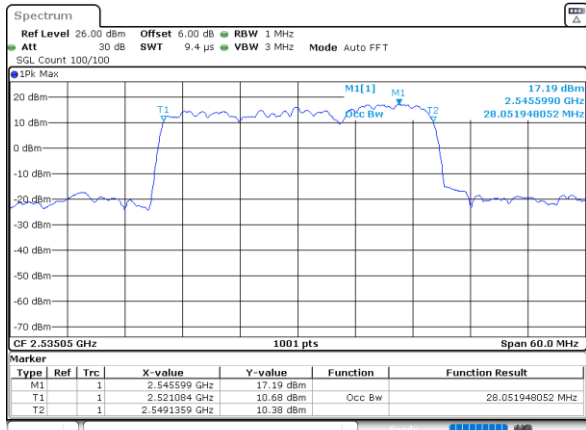
Middle Channel / 15MHz+20MHz / 16QAM



Date: 4.FEB.2023 03:19:00

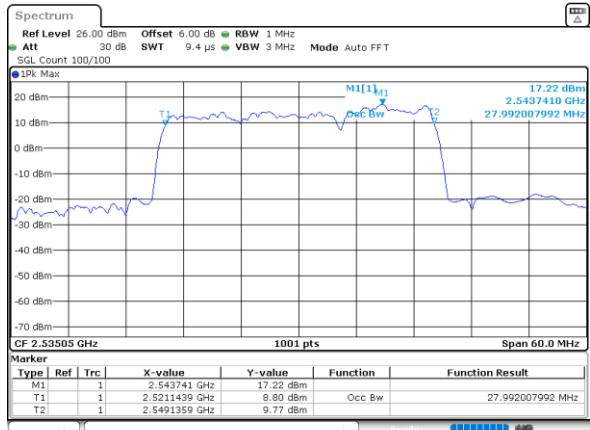
LTE Band 7C

Middle Channel / 20MHz+10MHz / QPSK



Date: 4.FEB.2023 03:59:13

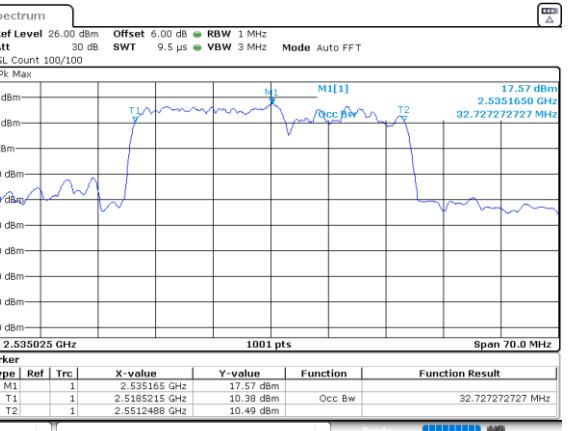
Middle Channel / 20MHz+10MHz / 16QAM



Date: 4.FEB.2023 04:00:35

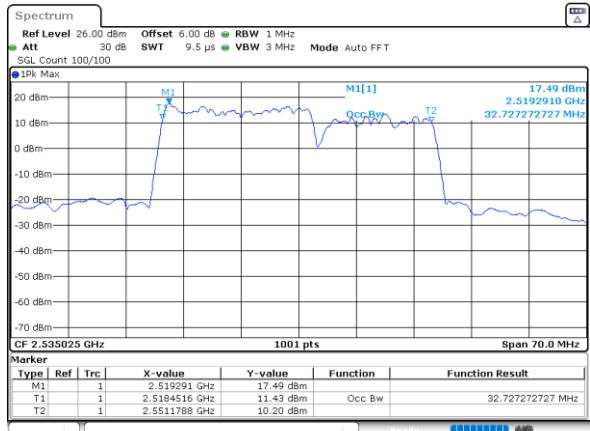
LTE Band 7C

Middle Channel / 20MHz+15MHz / QPSK



Date: 4.FEB.2023 04:35:19

Middle Channel / 20MHz+15MHz / 16QAM

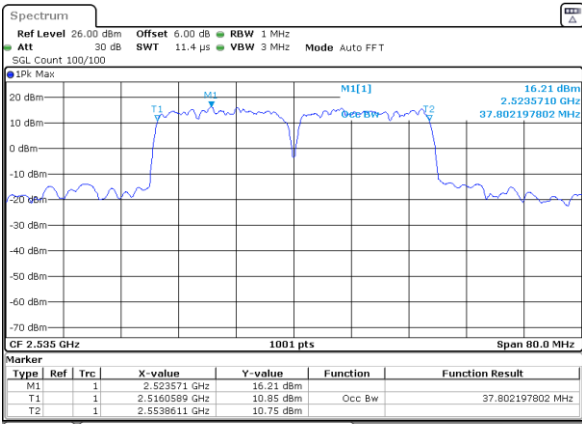


Date: 4.FEB.2023 04:36:41



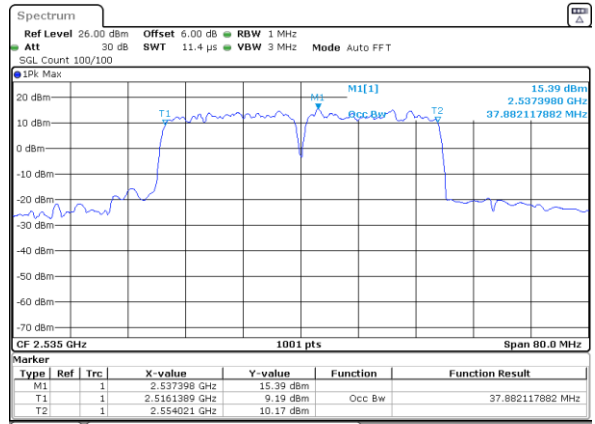
LTE Band 7C

Middle Channel / 20MHz+20MHz / QPSK



Date: 4.FEB.2023 05:27:04

Middle Channel / 20MHz+20MHz / 16QAM



Date: 4.FEB.2023 05:28:26

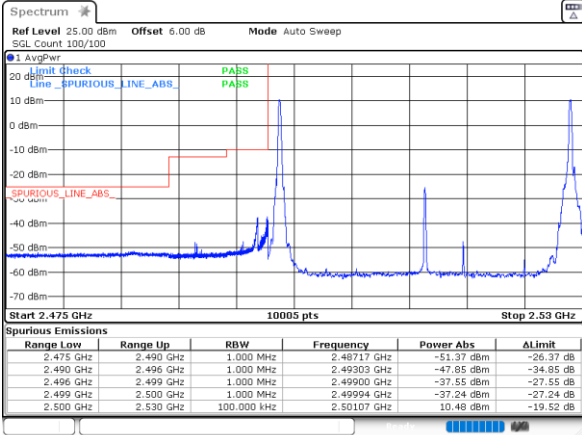




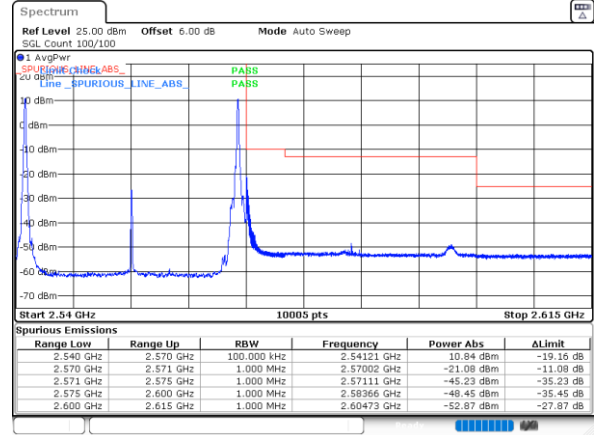
# Conducted Band Edge

## LTE Band 7C / 10MHz+20MHz QPSK

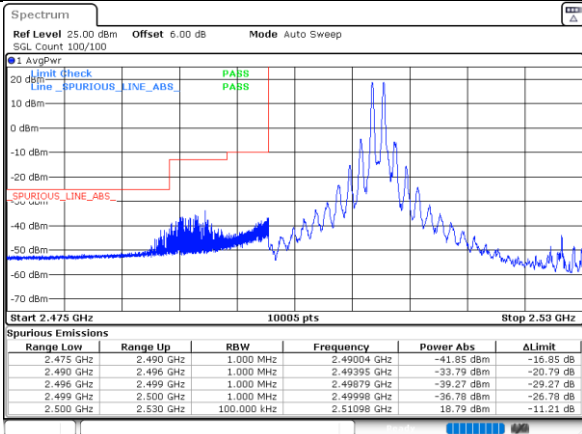
### Lowest Band Edge / 1RB0 and 1RB9



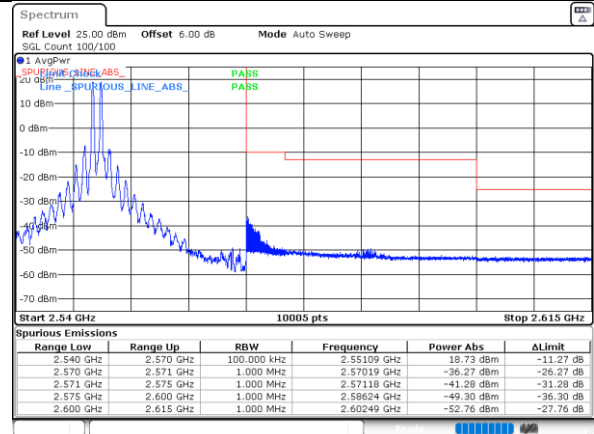
### Highest Band Edge / 1RB0 and 1RB9



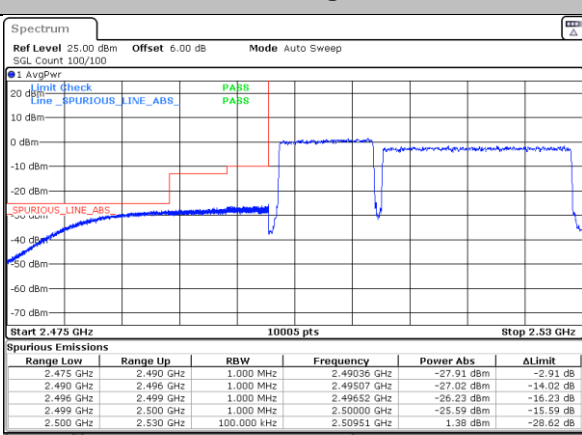
### Lowest Band Edge / 1RB49 and 1RB0



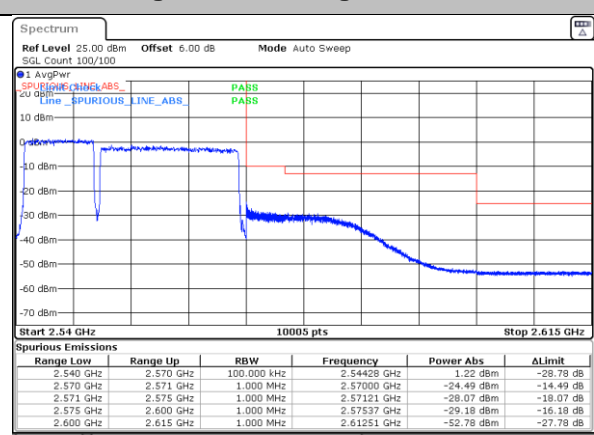
### Highest Band Edge / 1RB49 and 1RB0



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB



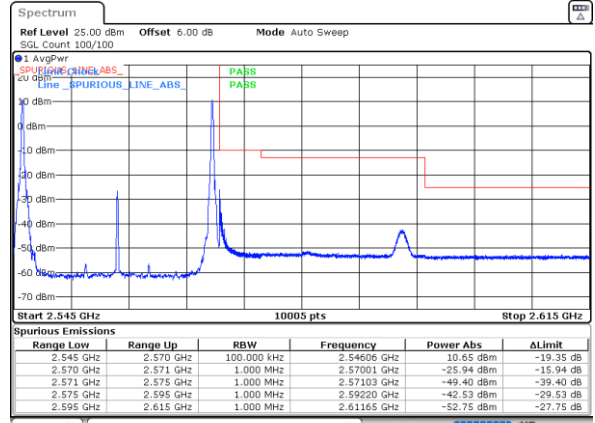
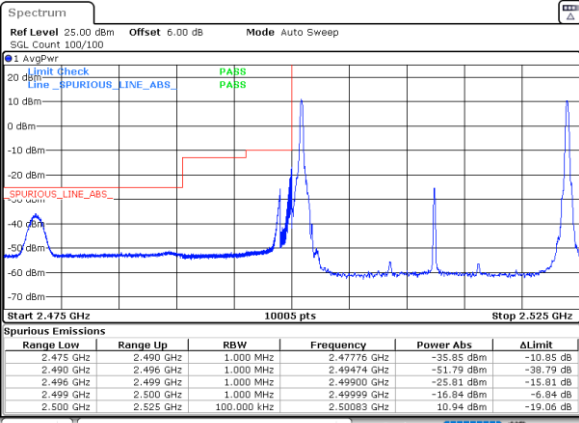


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

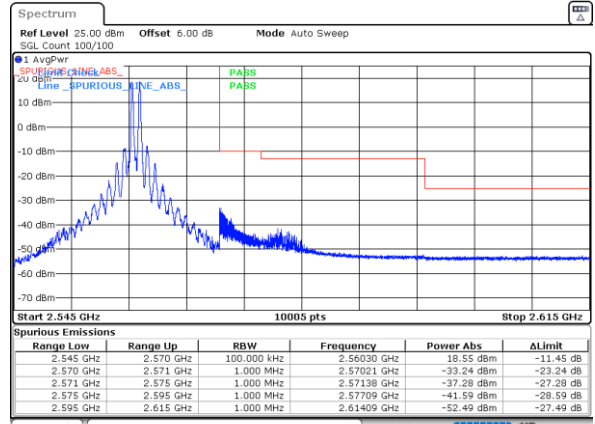
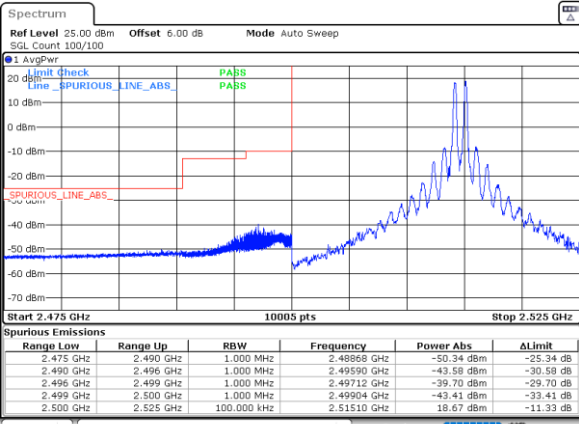


Date: 4.FEB.2023 01:50:13

Date: 4.FEB.2023 02:10:46

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

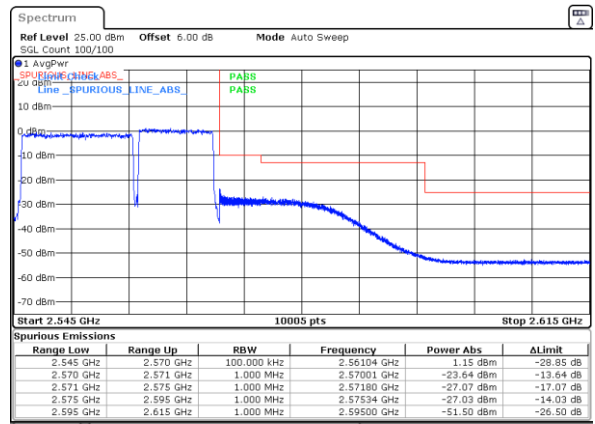
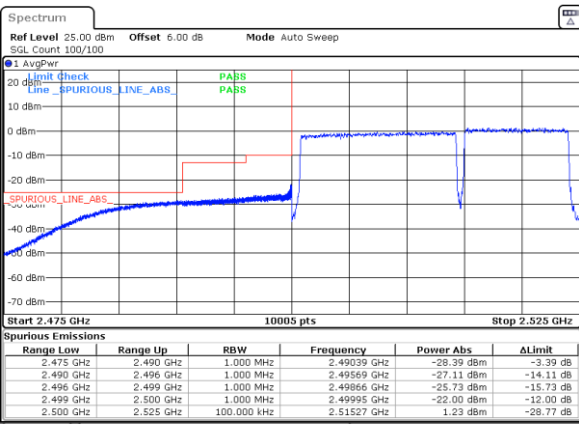


Date: 4.FEB.2023 01:54:45

Date: 4.FEB.2023 02:13:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2023 01:59:17

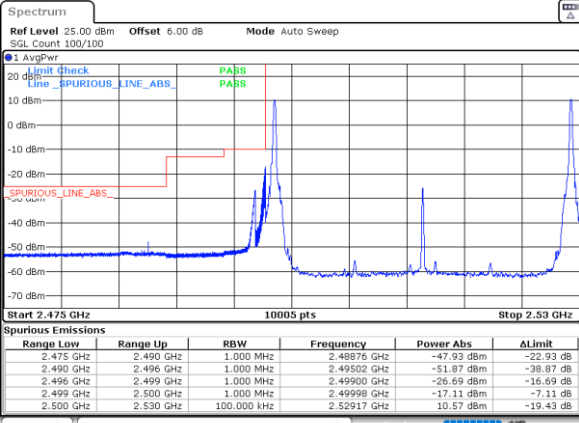
Date: 4.FEB.2023 02:17:47



LTE Band 7C / 15MHz+15MHz

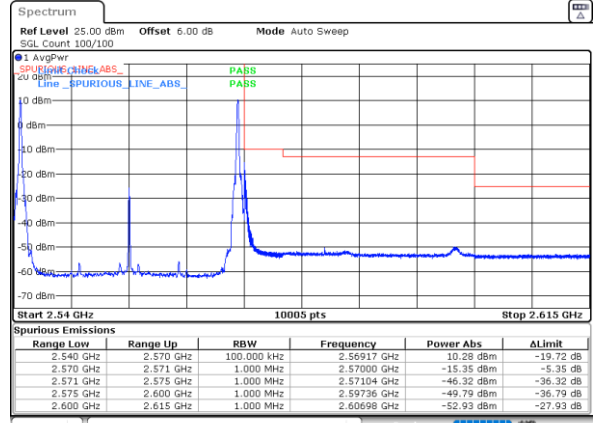
QPSK

Lowest Band Edge / 1RB0 and 1RB74



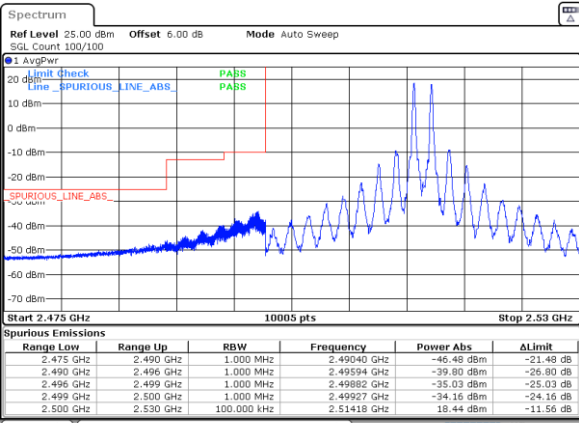
Date: 4.FEB.2023 02:27:05

Highest Band Edge / 1RB0 and 1RB74



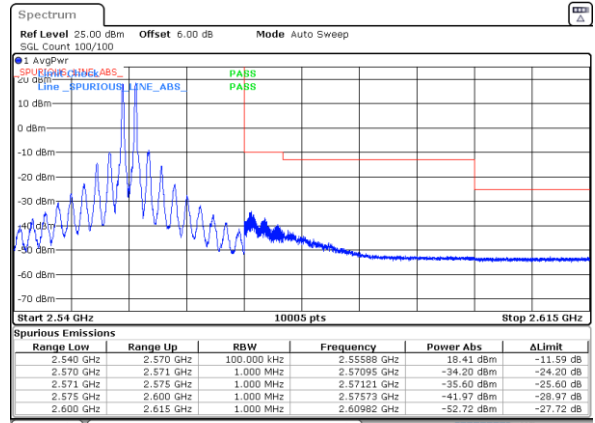
Date: 4.FEB.2023 02:25:37

Lowest Band Edge / 1RB74 and 1RB0



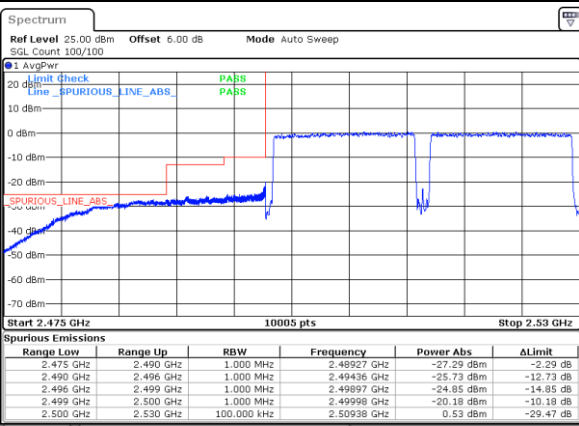
Date: 4.FEB.2023 02:31:36

Highest Band Edge / 1RB74 and 1RB0



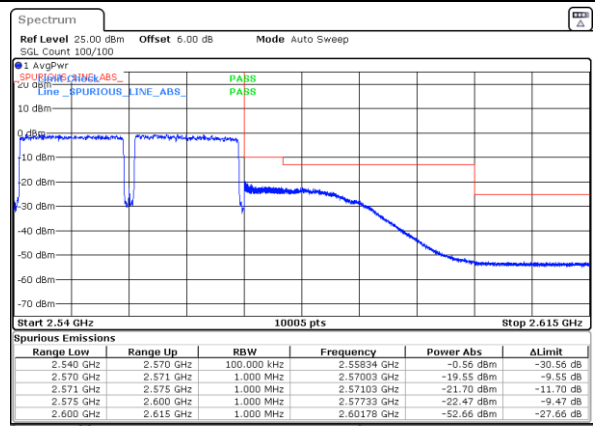
Date: 4.FEB.2023 02:50:07

Lowest Band Edge / Full RB



Date: 5.FEB.2023 02:38:39

Highest Band Edge / Full RB



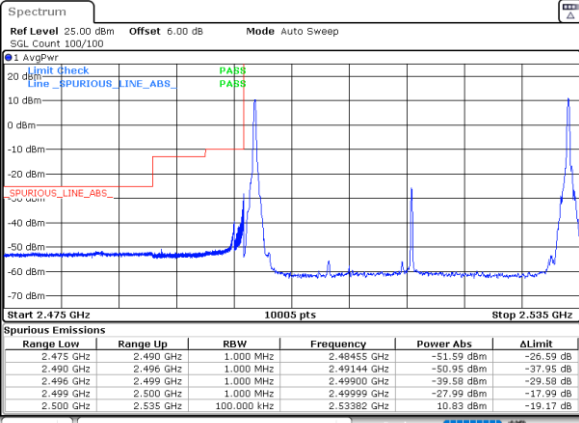
Date: 4.FEB.2023 02:54:38



LTE Band 7C / 15MHz+20MHz

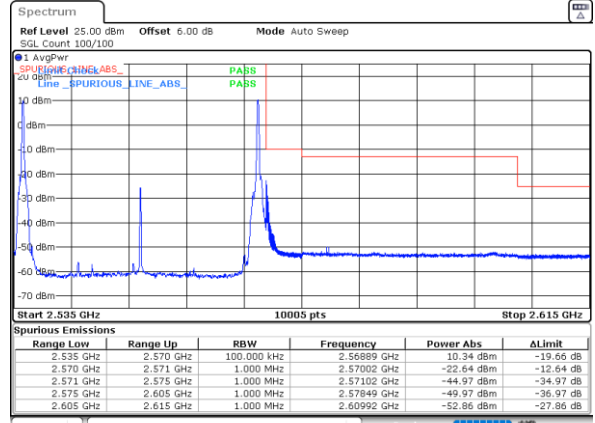
QPSK

Lowest Band Edge / 1RB0 and 1RB9



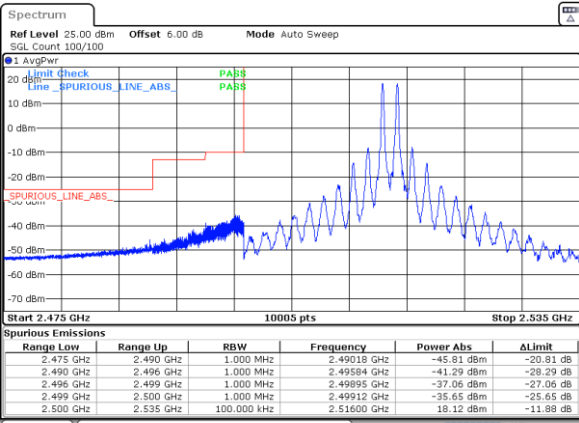
Date: 4.FEB.2023 03:05:03

Highest Band Edge / 1RB0 and 1RB9



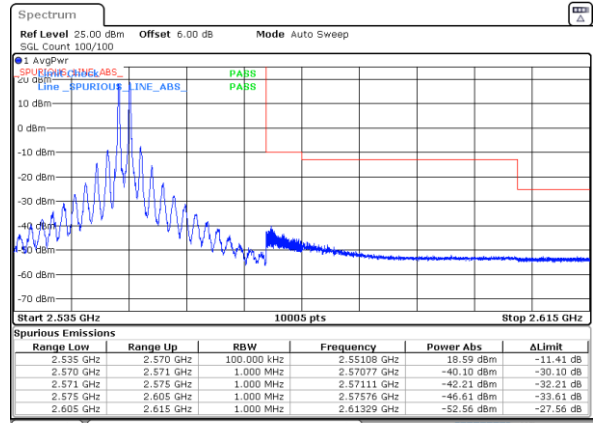
Date: 4.FEB.2023 03:23:35

Lowest Band Edge / 1RB74 and 1RB0



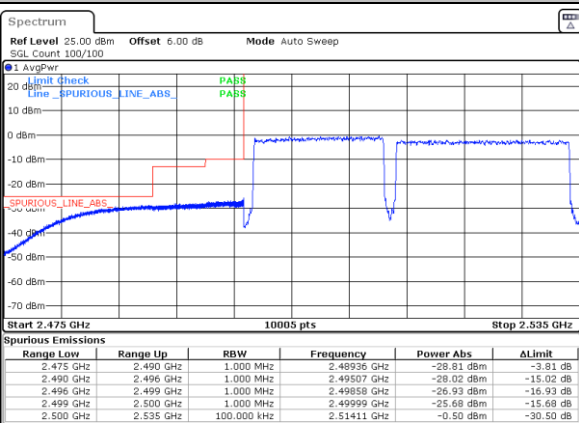
Date: 4.FEB.2023 03:09:35

Highest Band Edge / 1RB74 and 1RB0



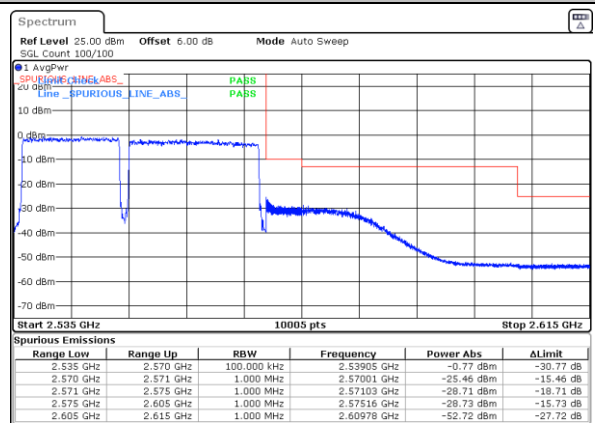
Date: 4.FEB.2023 03:20:05

Lowest Band Edge / Full RB



Date: 4.FEB.2023 03:14:07

Highest Band Edge / Full RB



Date: 4.FEB.2023 03:32:36

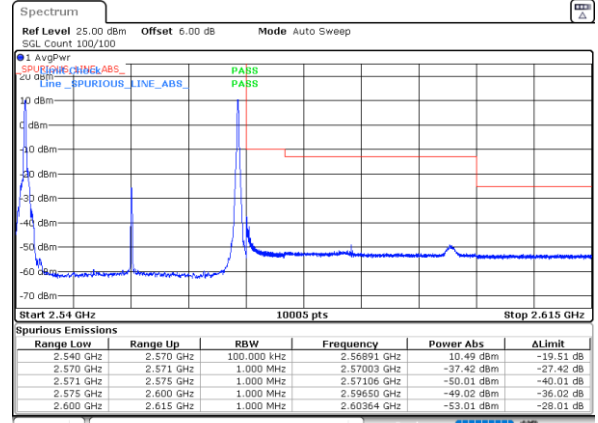
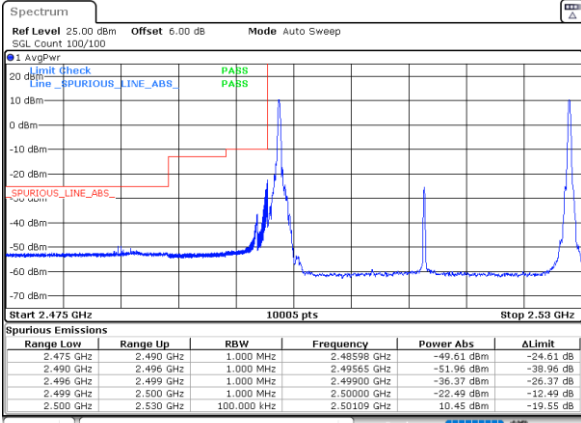


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

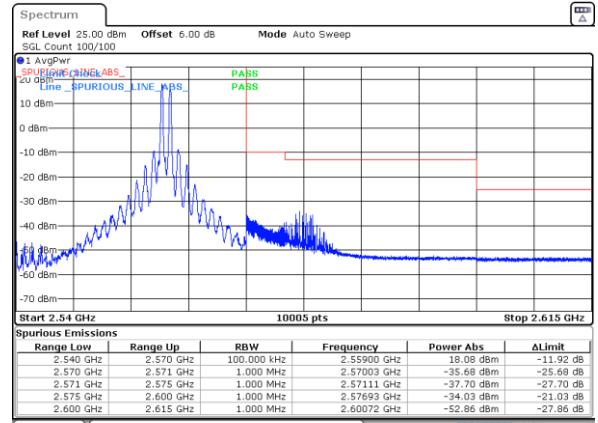
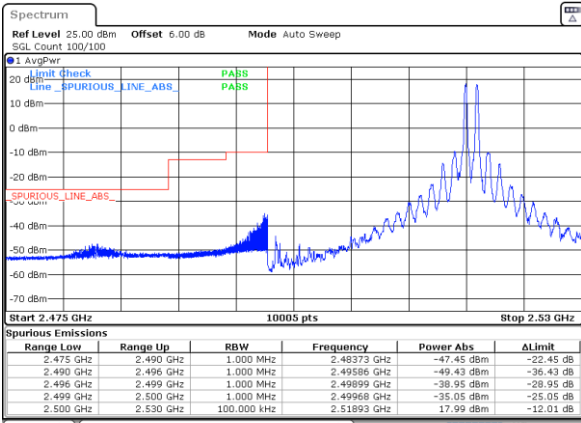


Date: 4.FEB.2023 03:46:11

Date: 4.FEB.2023 04:04:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

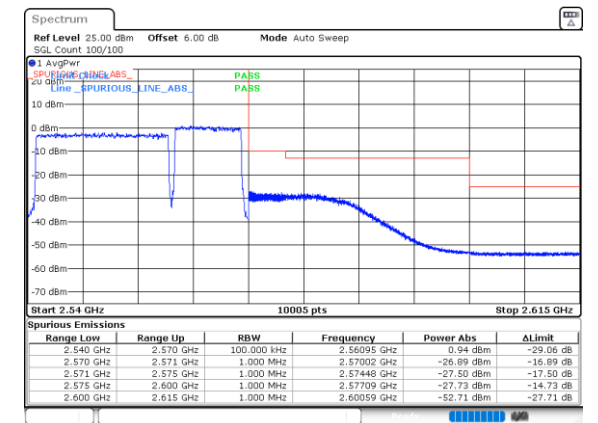
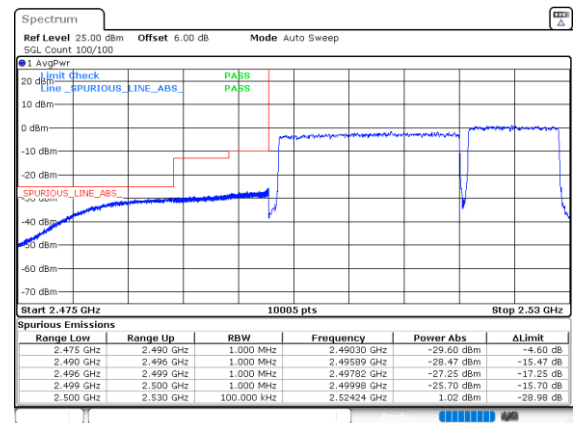


Date: 4.FEB.2023 03:50:43

Date: 4.FEB.2023 04:09:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2023 03:50:43

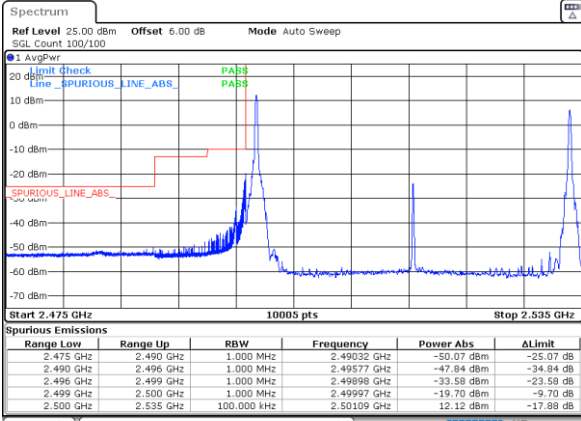
Date: 4.FEB.2023 04:10:14



LTE Band 7C / 20MHz+15MHz

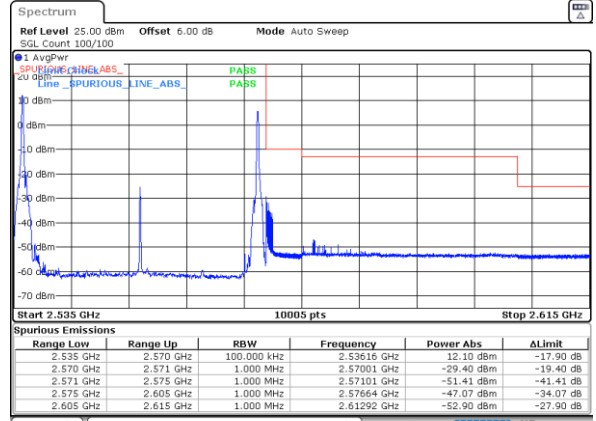
QPSK

Lowest Band Edge / 1RB0 and 1RB74



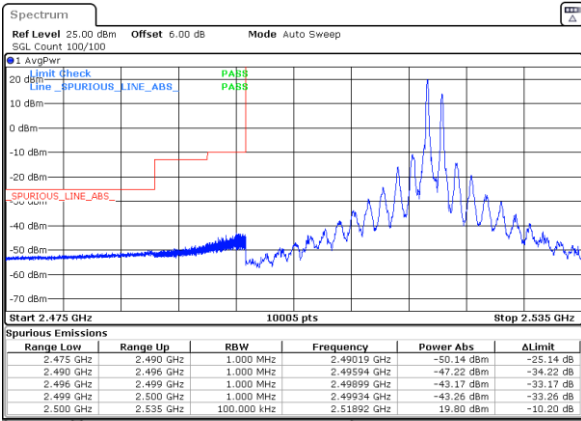
Date: 4.FEB.2023 04:22:16

Highest Band Edge / 1RB0 and 1RB74



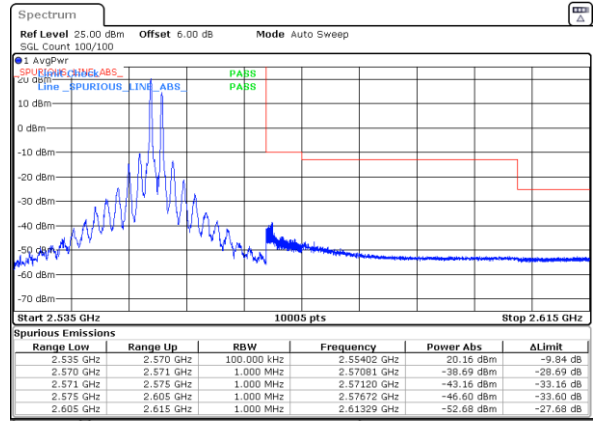
Date: 4.FEB.2023 04:40:49

Lowest Band Edge / 1RB99 and 1RB0



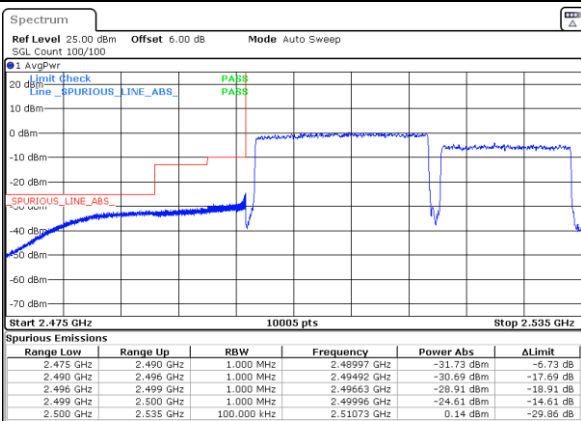
Date: 4.FEB.2023 04:26:48

Highest Band Edge / 1RB99 and 1RB0



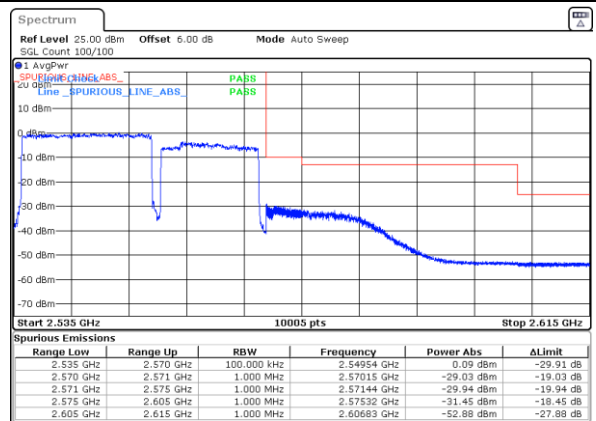
Date: 4.FEB.2023 04:42:20

Lowest Band Edge / Full RB



Date: 4.FEB.2023 04:31:20

Highest Band Edge / Full RB



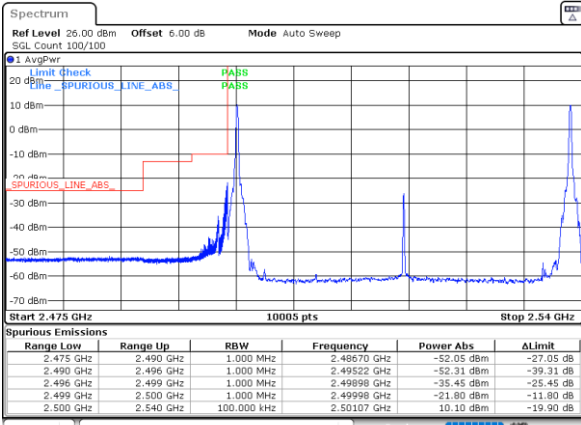
Date: 4.FEB.2023 04:49:51



LTE Band 7C / 20MHz+20MHz

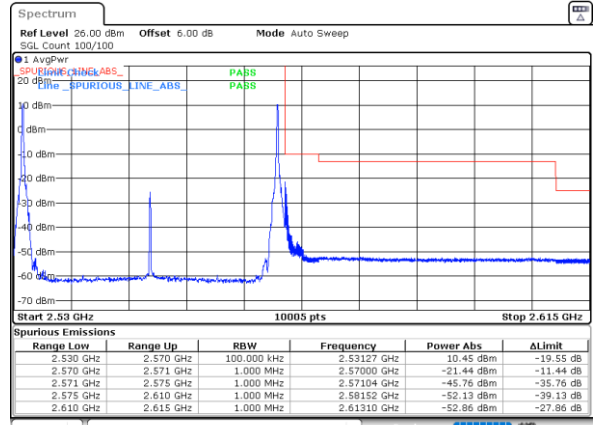
QPSK

Lowest Band Edge / 1RB0 and 1RB9



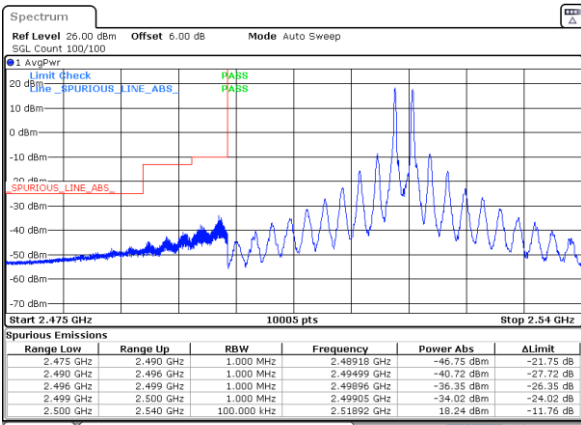
Date: 4.FEB.2023 04:57:23

Highest Band Edge / 1RB0 and 1RB9



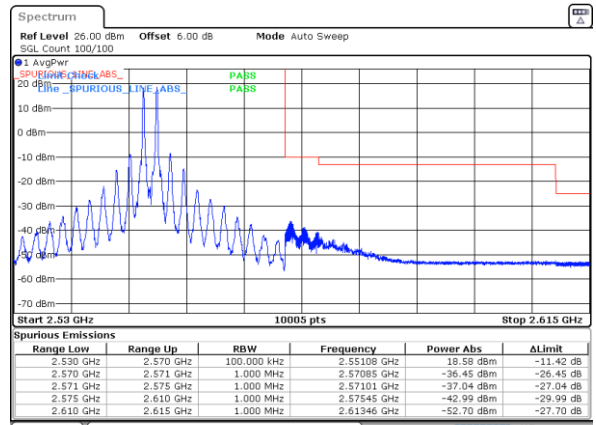
Date: 4.FEB.2023 05:14:05

Lowest Band Edge / 1RB99 and 1RB0



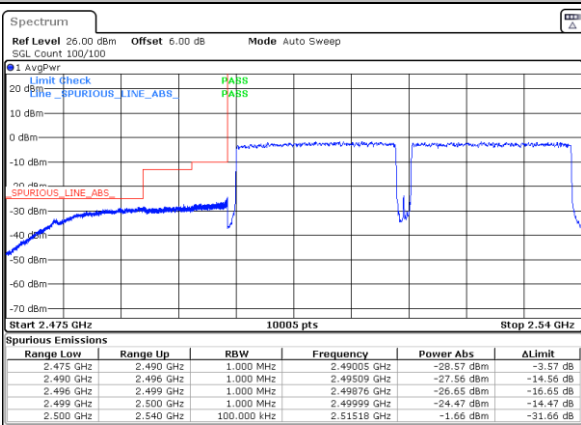
Date: 4.FEB.2023 05:01:55

Highest Band Edge / 1RB99 and 1RB0



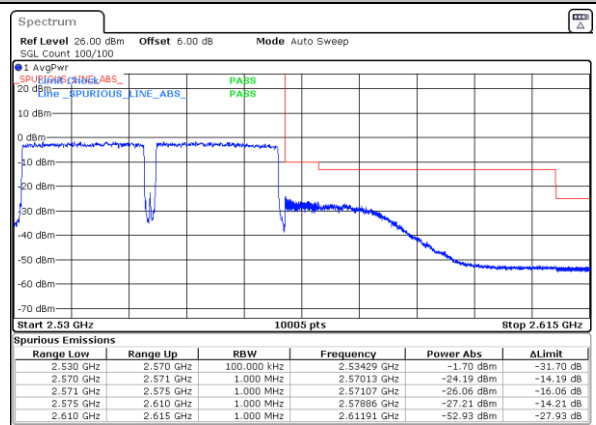
Date: 4.FEB.2023 05:18:35

Lowest Band Edge / Full RB



Date: 4.FEB.2023 05:06:27

Highest Band Edge / Full RB



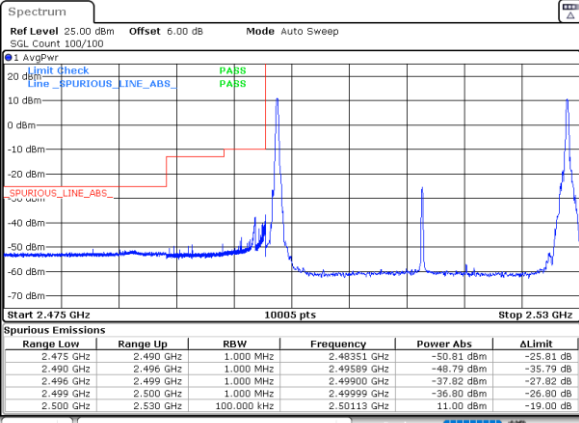
Date: 4.FEB.2023 05:23:07



LTE Band 7C / 10MHz+20MHz

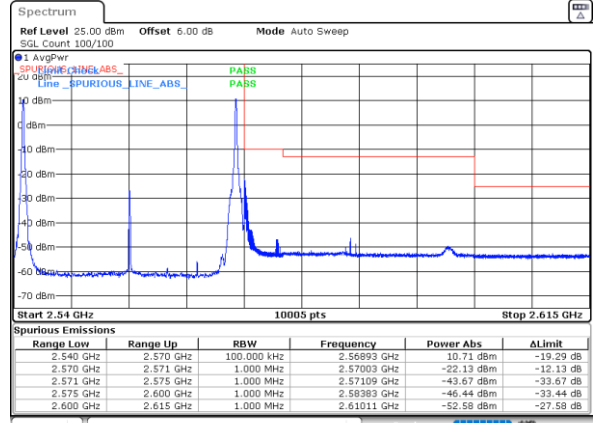
16QAM

Lowest Band Edge / 1RB0 and 1RB9



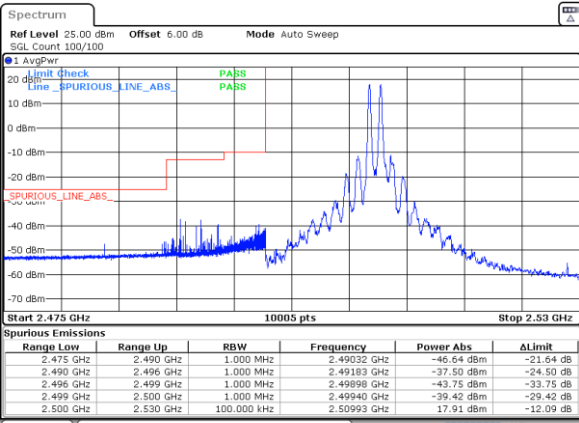
Date: 4.FEB.2023 01:14:45

Highest Band Edge / 1RB0 and 1RB9



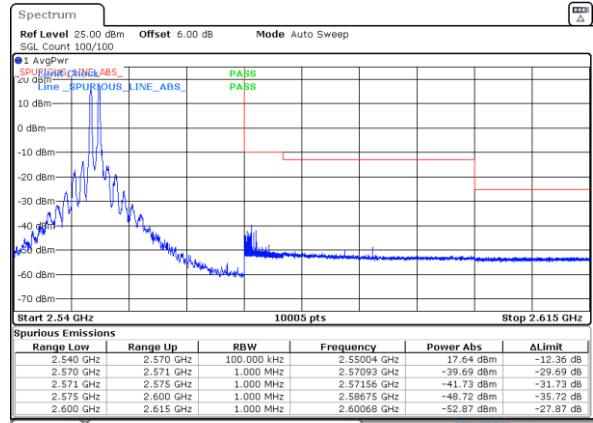
Date: 4.FEB.2023 01:35:18

Lowest Band Edge / 1RB49 and 1RB0



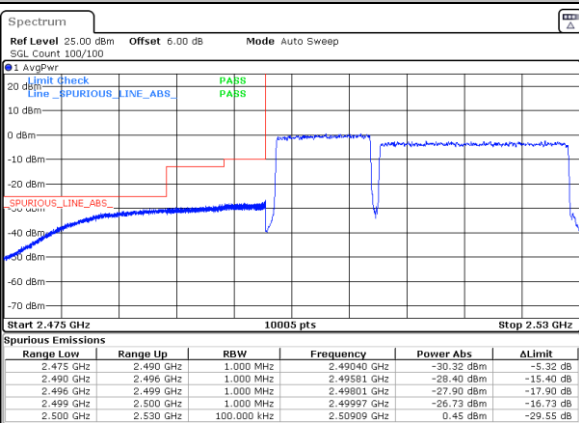
Date: 4.FEB.2023 01:19:18

Highest Band Edge / 1RB49 and 1RB0



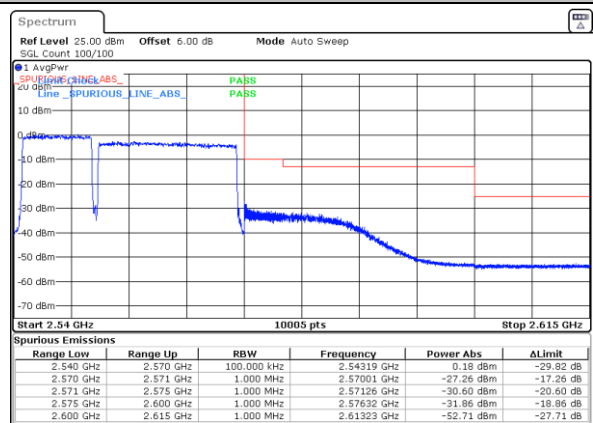
Date: 4.FEB.2023 01:39:48

Lowest Band Edge / Full RB



Date: 4.FEB.2023 01:23:51

Highest Band Edge / Full RB



Date: 4.FEB.2023 01:44:19



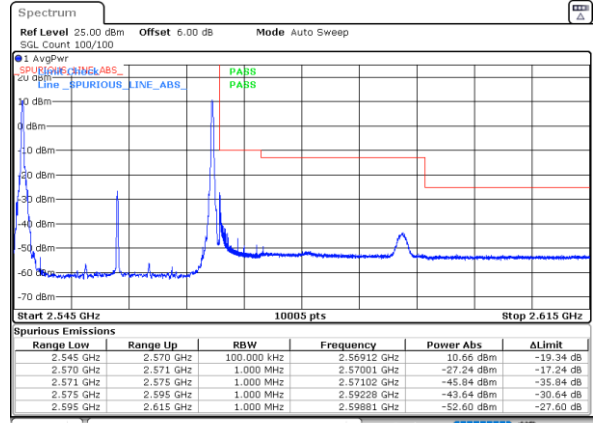
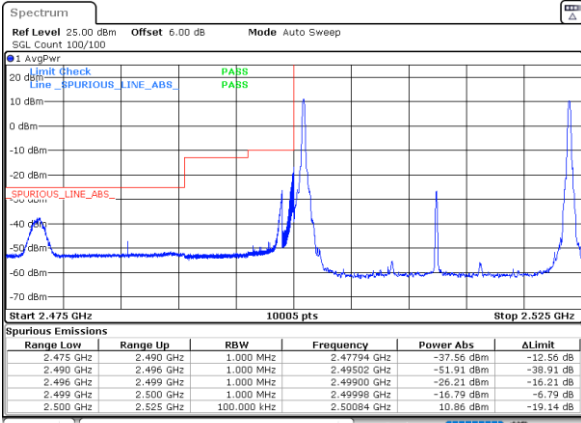


LTE Band 7C / 15MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

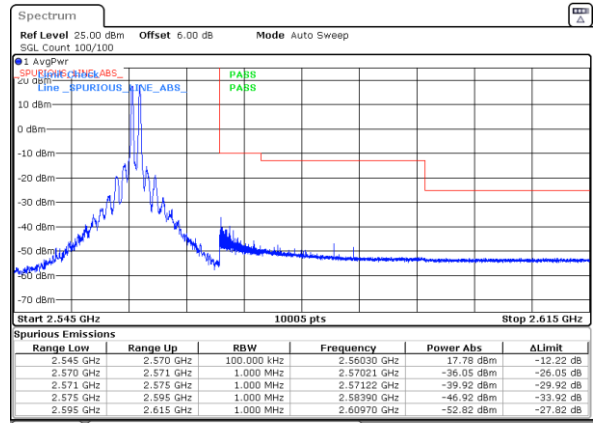
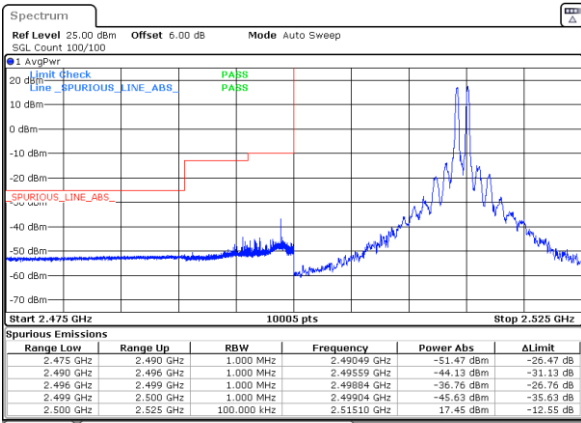


Date: 4.FEB.2023 01:51:21

Date: 4.FEB.2023 02:10:53

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

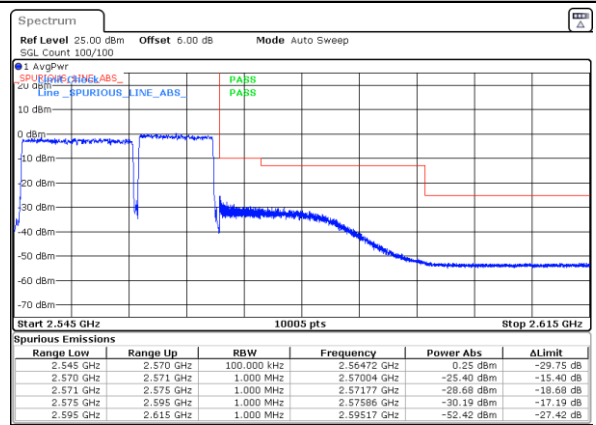
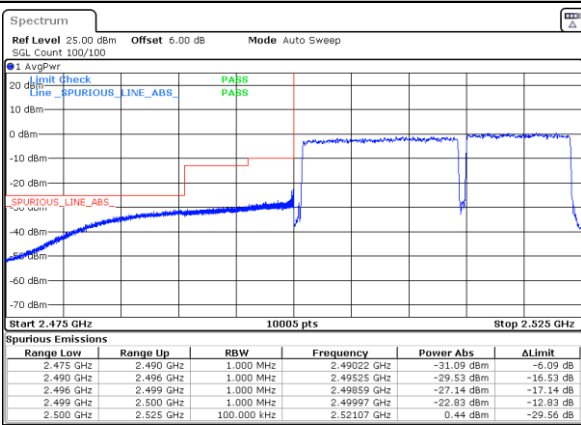


Date: 4.FEB.2023 01:55:52

Date: 4.FEB.2023 02:14:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2023 02:00:24

Date: 4.FEB.2023 02:18:54