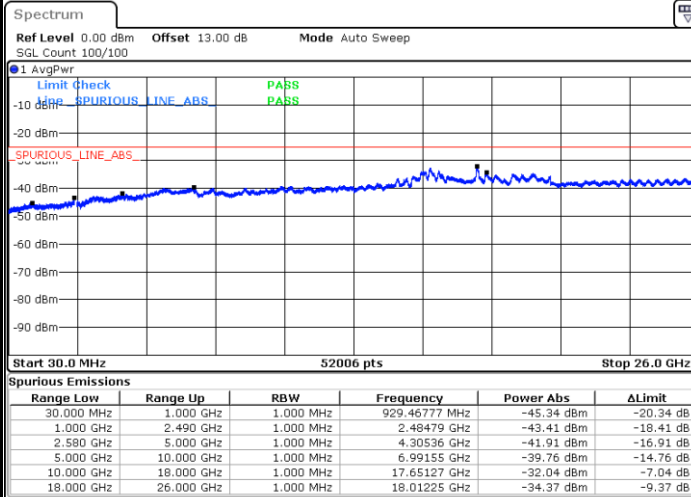




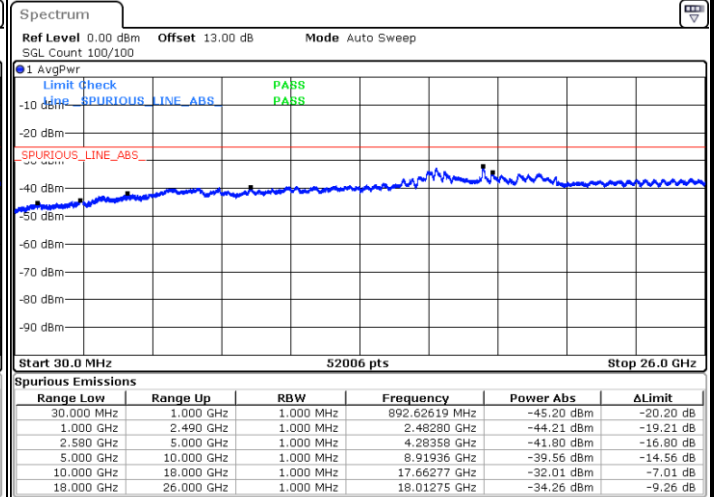
LTE Band 7 / 20MHz

Lowest Channel / QPSK



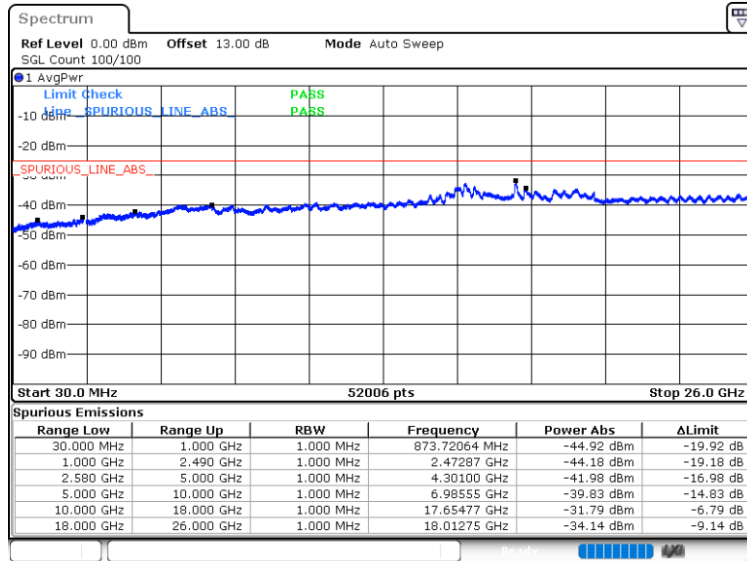
Date: 29.MAY.2024 20:45:40

Middle Channel / QPSK



Date: 29.MAY.2024 20:47:03

Highest Channel / QPSK



Date: 29.MAY.2024 20:48:27



### 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    | 0.0050                             | PASS    |
| 40               | Normal Voltage    | 0.0034                             |         |
| 30               | Normal Voltage    | 0.0026                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0062                             |         |
| 0                | Normal Voltage    | 0.0019                             |         |
| -10              | Normal Voltage    | 0.0023                             |         |
| -20              | Normal Voltage    | 0.0009                             |         |
| -30              | Normal Voltage    | 0.0050                             |         |
| 20               | Maximum Voltage   | 0.0057                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0012                             |         |

**Note:**

- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

## 26dB Bandwidth

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| QPSK      |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.91                      | 25.37       | 30.68       | 34.89       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.21                      | 34.96       | 39.88       |             |

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 16QAM     |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.91                      | 25.27       | 30.62       | 35.03       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.08                      | 34.89       | 39.64       |             |

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 64QAM     |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.91                      | 25.17       | 30.62       | 34.82       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.39                      | 35.17       | 39.79       |             |

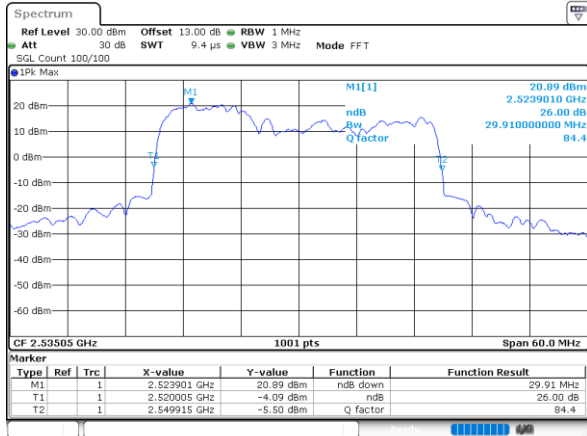
| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 256QAM    |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.96                      | 25.22       | 30.50       | 34.75       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.08                      | 34.82       | 39.79       |             |



LTE Band 7C

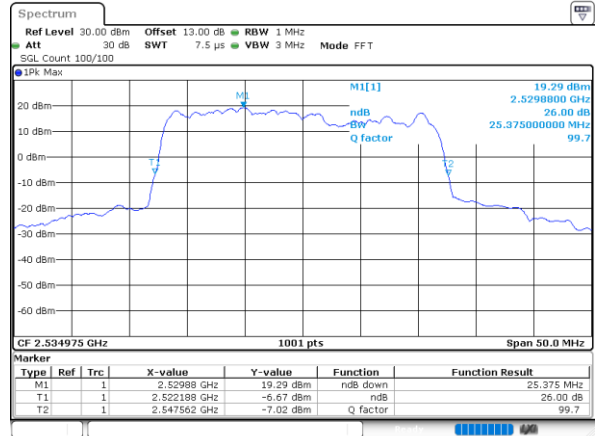
QPSK

Middle Channel / 10MHz+20MHz



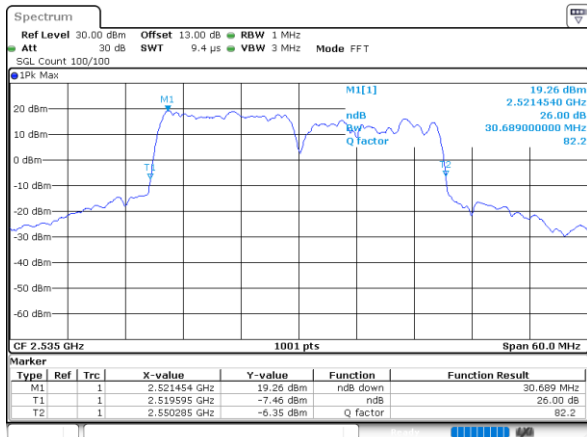
Date: 7 JUN 2024 09:58:05

Middle Channel / 15MHz+10MHz



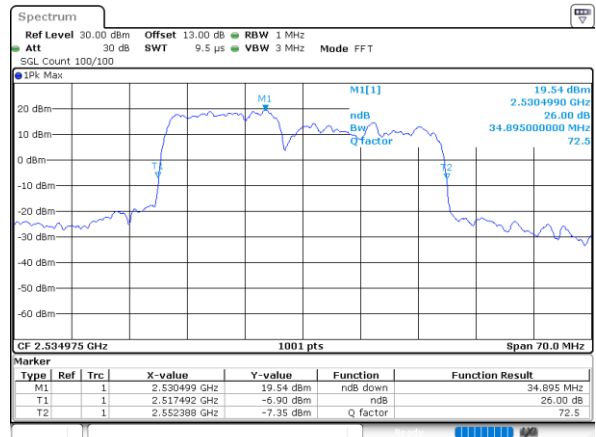
Date: 7 JUN 2024 16:38:28

Middle Channel / 15MHz+15MHz



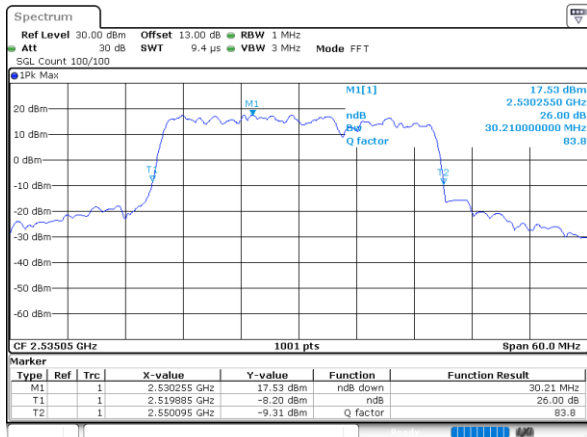
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Middle Channel / 15MHz+20MHz



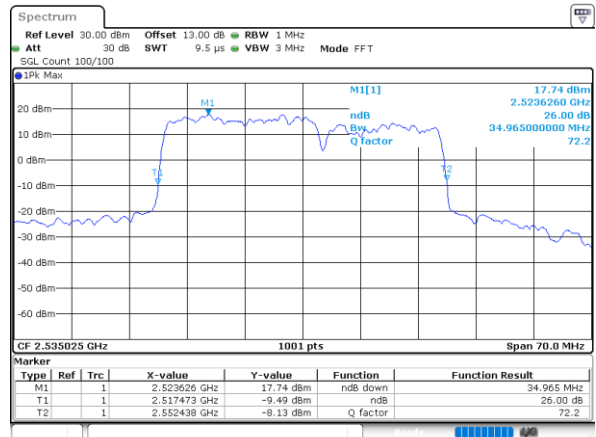
Date: 7 JUN 2024 12:36:21

Middle Channel / 20MHz+10MHz

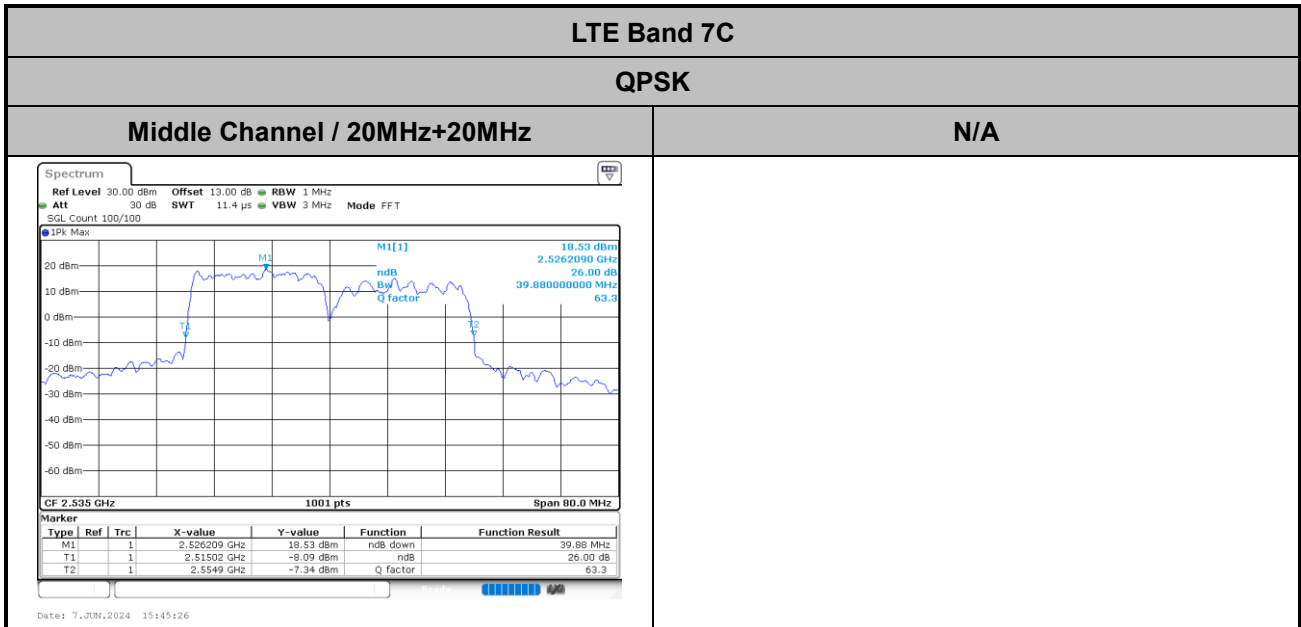


Date: 7 JUN 2024 10:52:21

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:18:05

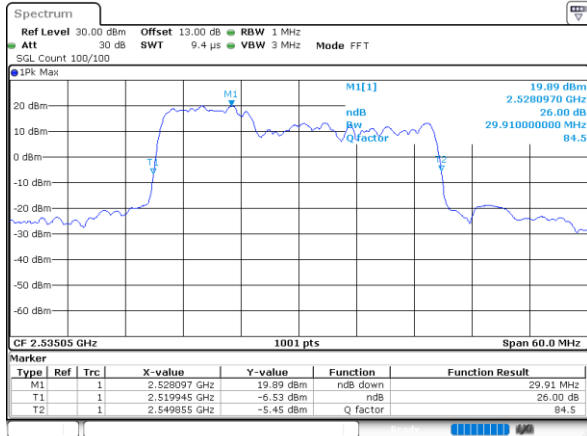




LTE Band 7C

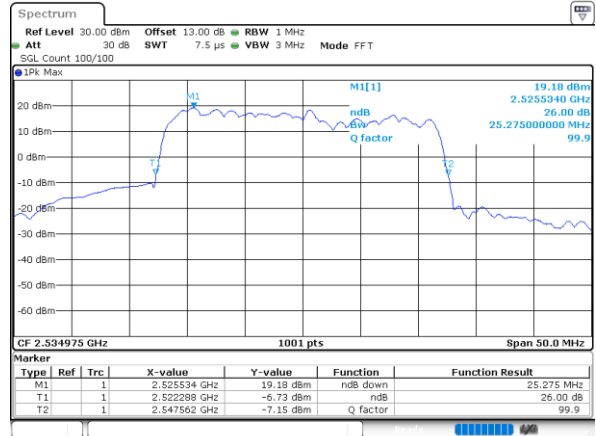
16QAM

Middle Channel / 10MHz+20MHz



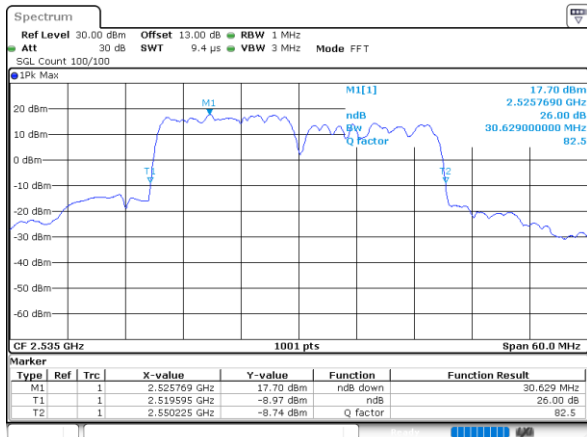
Date: 7 JUN 2024 09:58:53

Middle Channel / 15MHz+10MHz



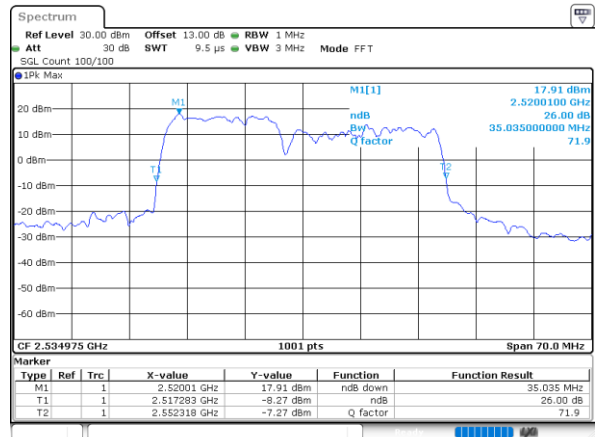
Date: 7 JUN 2024 16:39:17

Middle Channel / 15MHz+15MHz



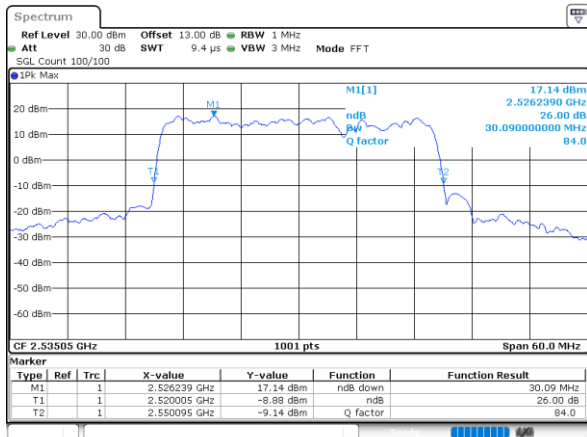
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Middle Channel / 15MHz+20MHz



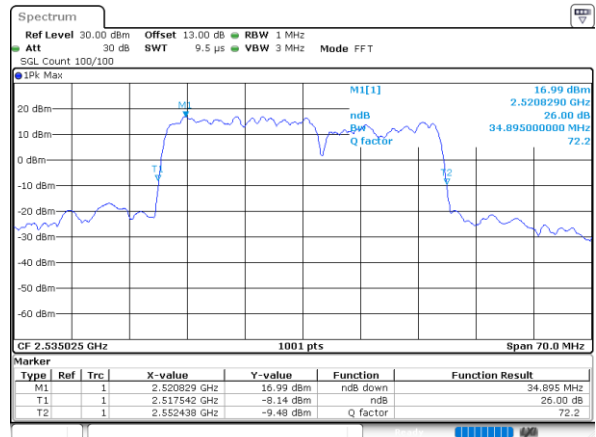
Date: 7 JUN 2024 12:37:07

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:53:10

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:19:01

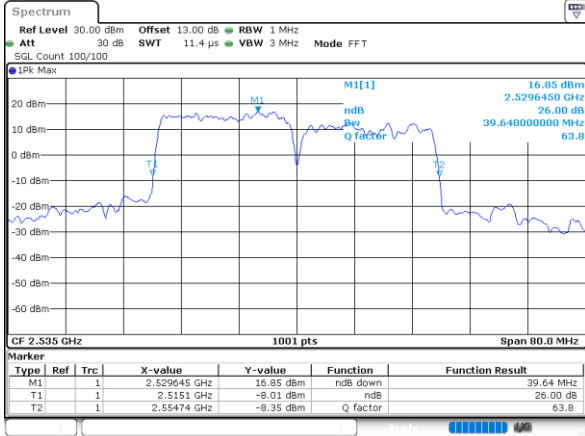


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

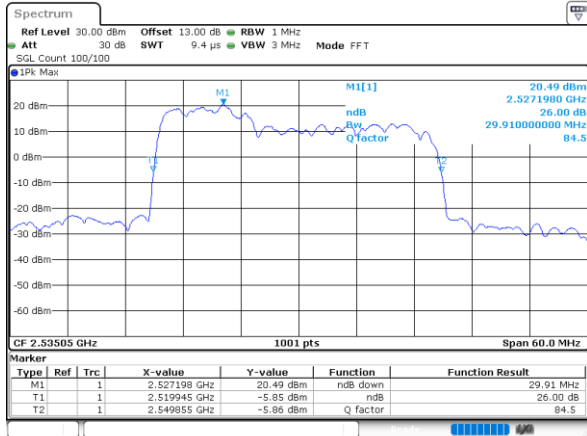




LTE Band 7C

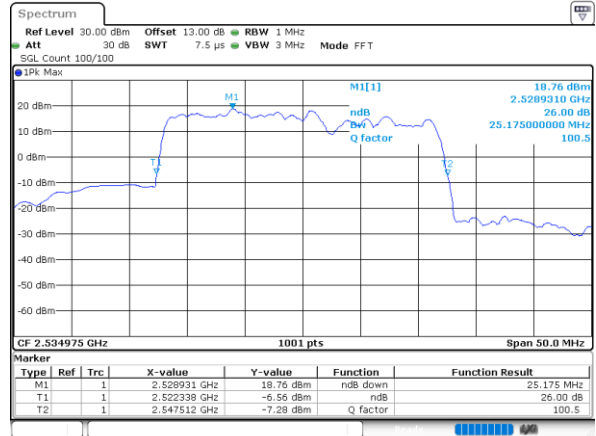
64QAM

Middle Channel / 10MHz+20MHz



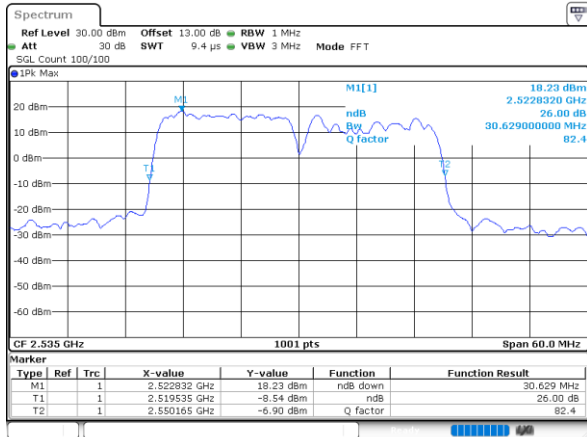
Date: 7 JUN 2024 09:59:41

Middle Channel / 15MHz+10MHz



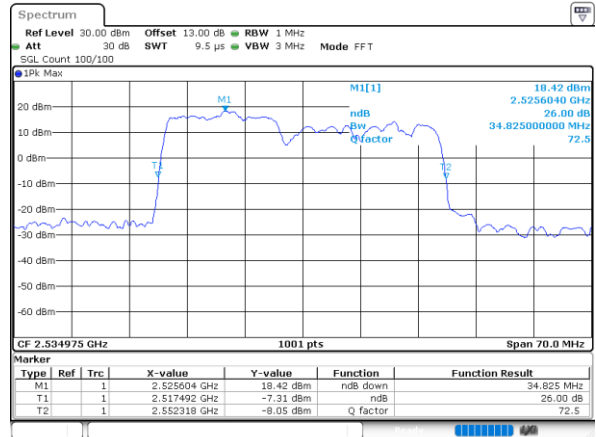
Date: 7 JUN 2024 16:40:05

Middle Channel / 15MHz+15MHz



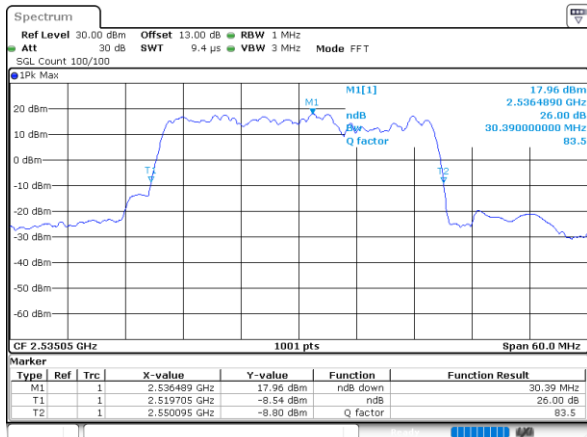
Date: 7 JUN 2024 11:44:22

Middle Channel / 15MHz+20MHz



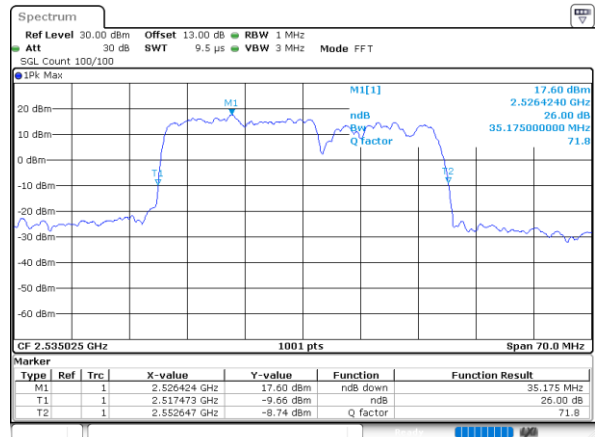
Date: 7 JUN 2024 12:37:56

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:53:59

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:19:51



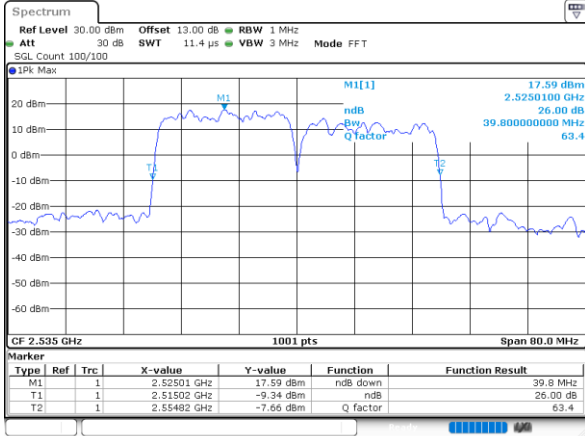


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

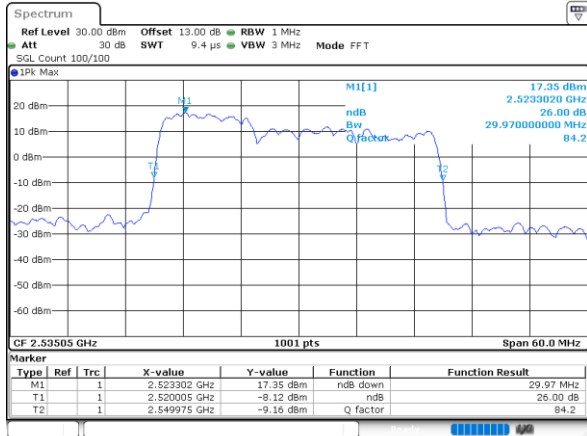




LTE Band 7C

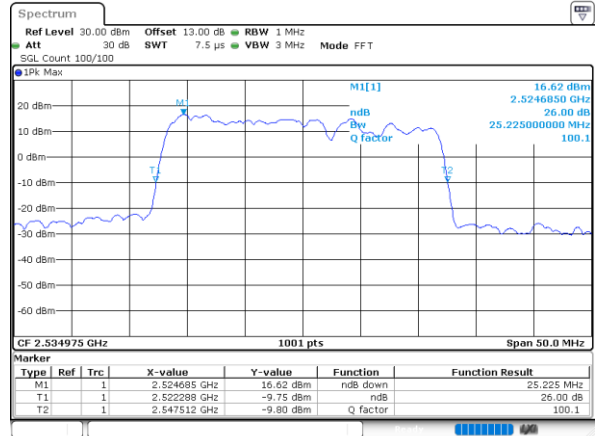
256QAM

Middle Channel / 10MHz+20MHz



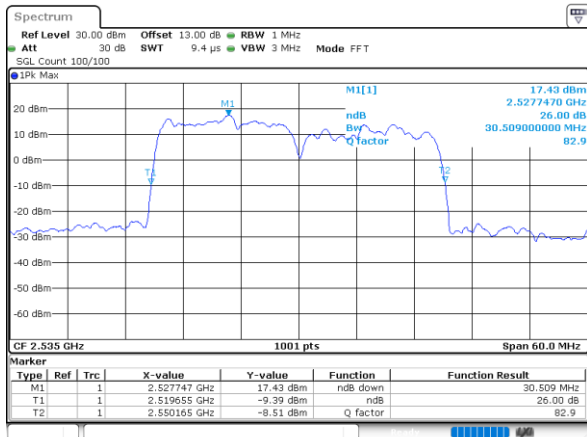
Date: 7 JUN 2024 10:00:28

Middle Channel / 15MHz+10MHz



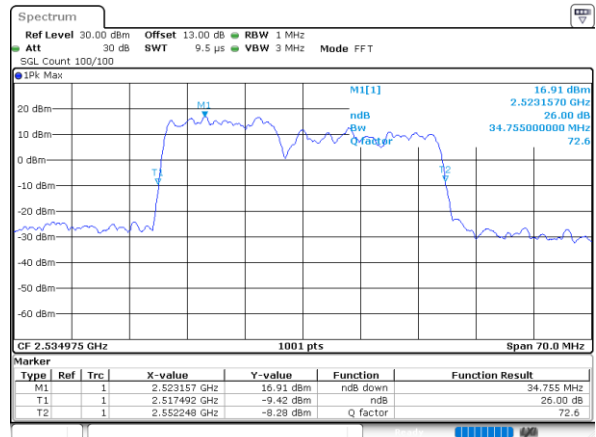
Date: 7 JUN 2024 16:40:53

Middle Channel / 15MHz+15MHz



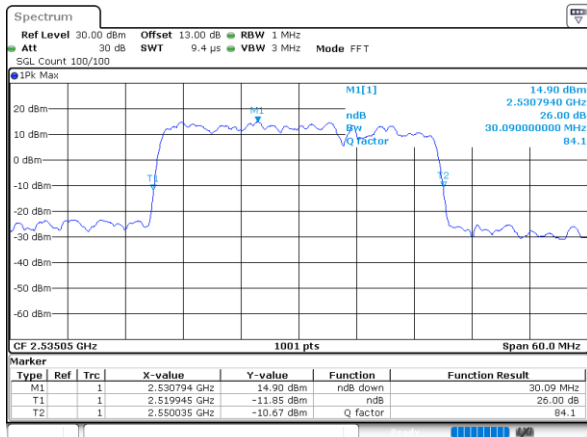
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Middle Channel / 15MHz+20MHz



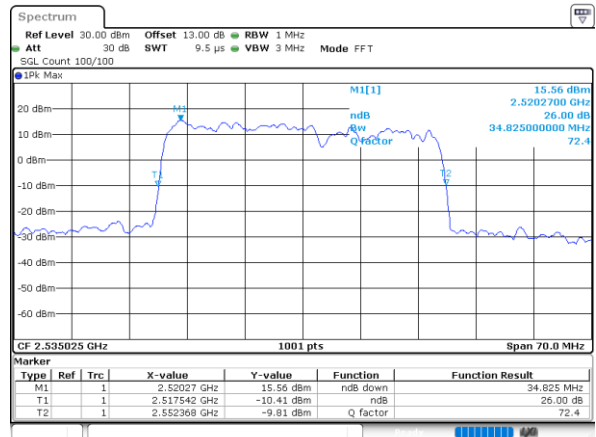
Date: 7 JUN 2024 12:38:46

Middle Channel / 20MHz+10MHz

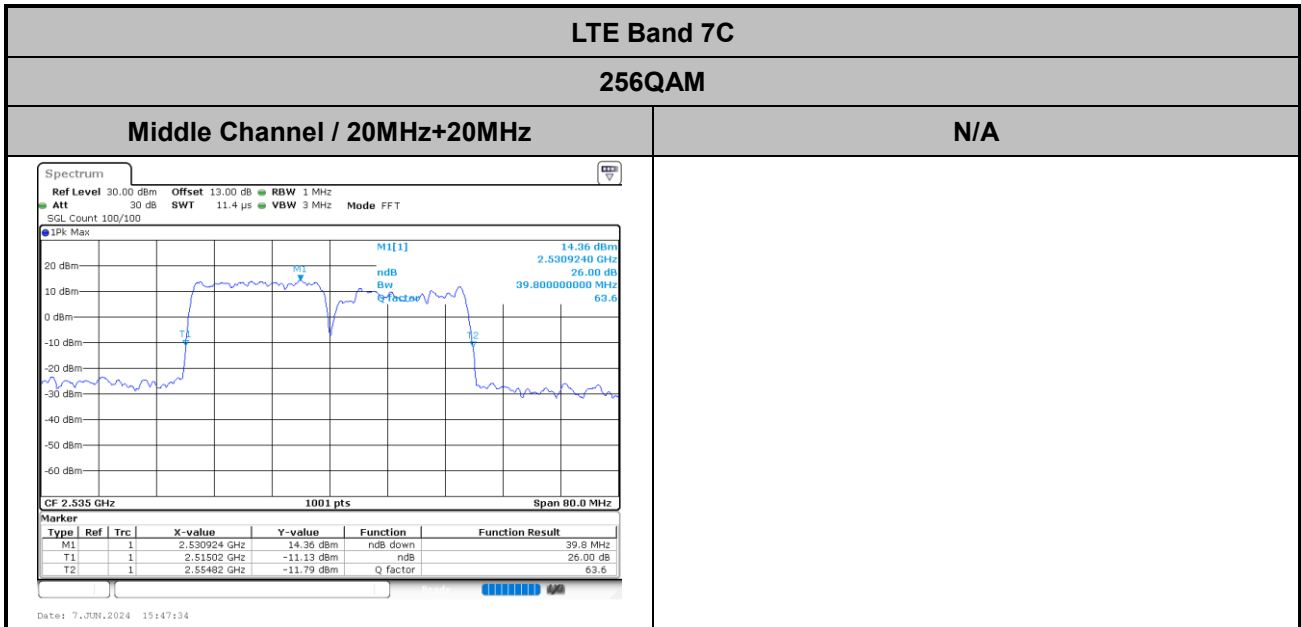


Date: 7 JUN 2024 10:54:48

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:20:41





Occupied Bandwidth

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| QPSK      |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.87                     | 23.12       | 28.47       | 32.65       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 27.99                     | 32.72       | 37.88       |             |

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 16QAM     |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.75                     | 23.37       | 28.41       | 32.72       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 27.87                     | 32.86       | 37.72       |             |

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 64QAM     |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 28.05                     | 23.32       | 28.47       | 32.86       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 28.23                     | 32.65       | 37.56       |             |

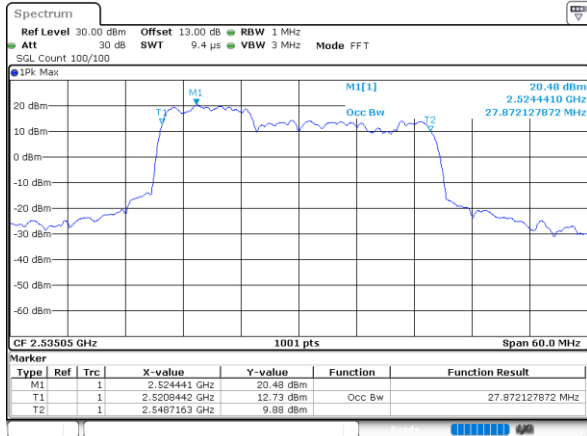
| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 256QAM    |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.93                     | 23.17       | 28.83       | 32.79       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 27.93                     | 32.93       | 37.64       |             |



LTE Band 7C

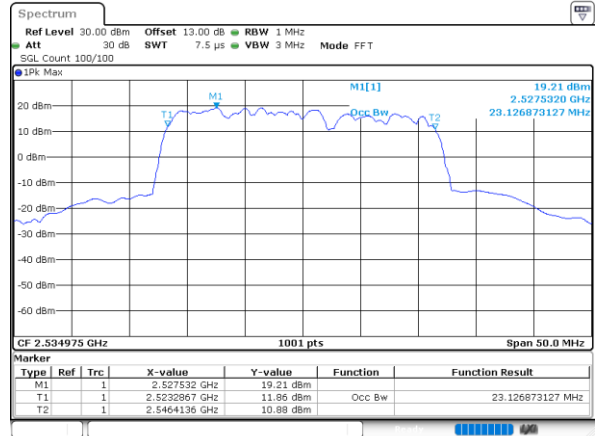
QPSK

Middle Channel / 10MHz+20MHz



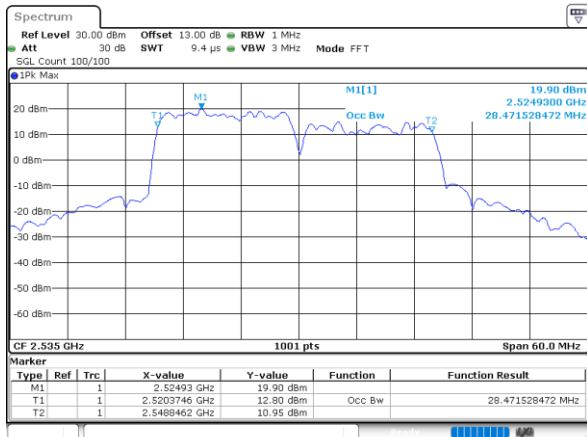
Date: 7 JUN 2024 09:54:36

Middle Channel / 15MHz+10MHz



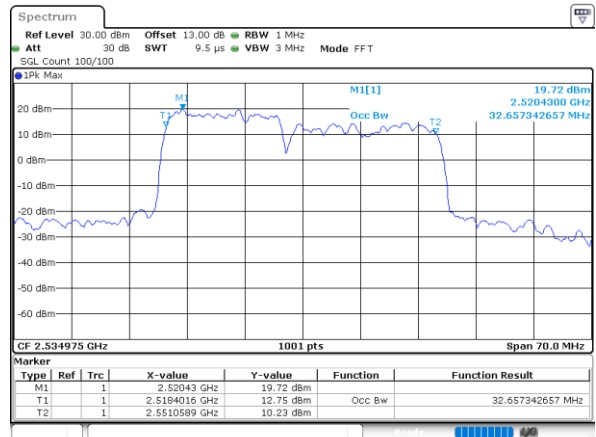
Date: 7 JUN 2024 16:35:03

Middle Channel / 15MHz+15MHz



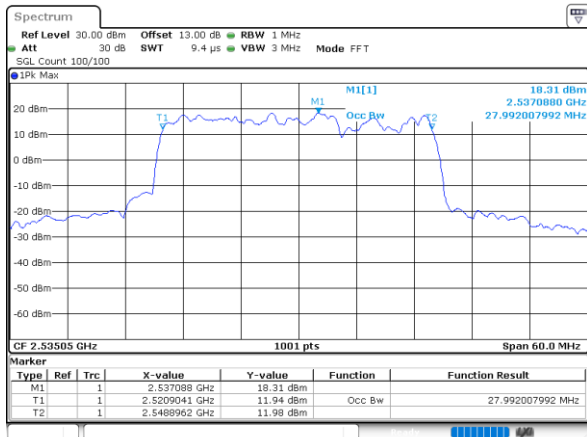
Date: 7 JUN 2024 11:39:50

Middle Channel / 15MHz+20MHz



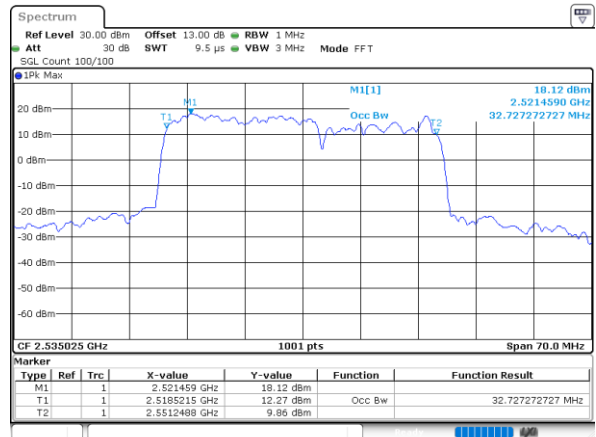
Date: 7 JUN 2024 12:32:58

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:49:06

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:14:24

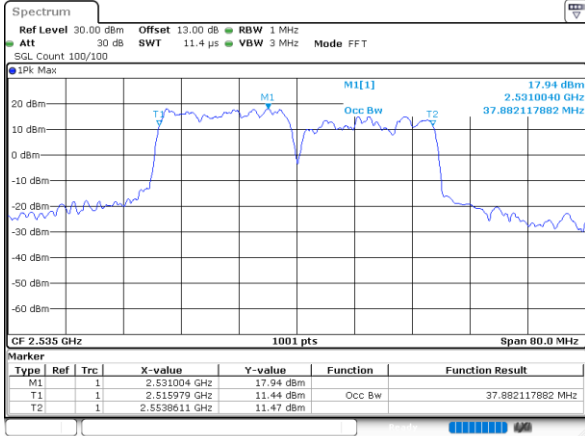


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



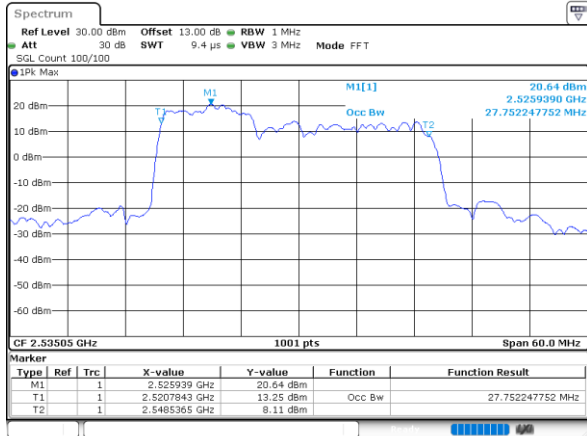
Date: 7 JUN 2024 15:42:32



LTE Band 7C

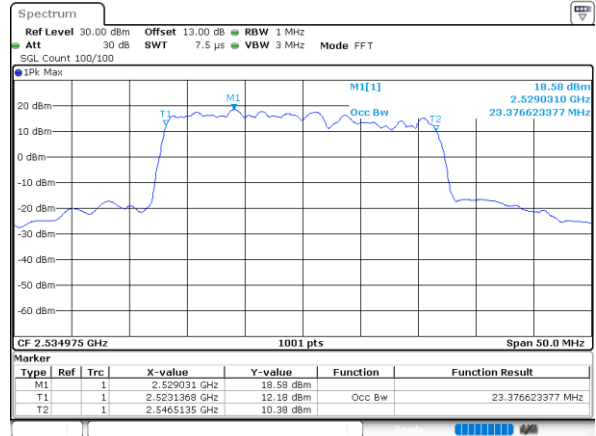
16QAM

Middle Channel / 10MHz+20MHz



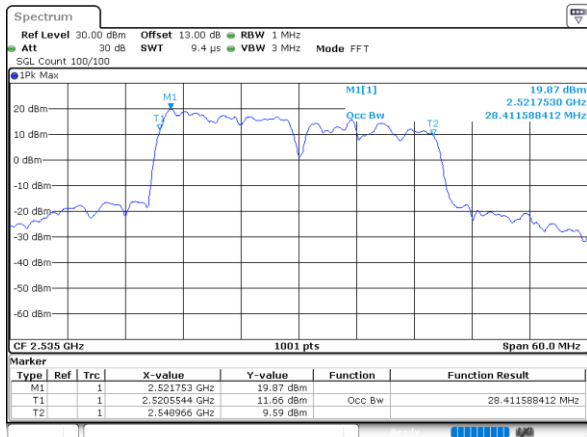
Date: 7 JUN 2024 09:55:32

Middle Channel / 15MHz+10MHz



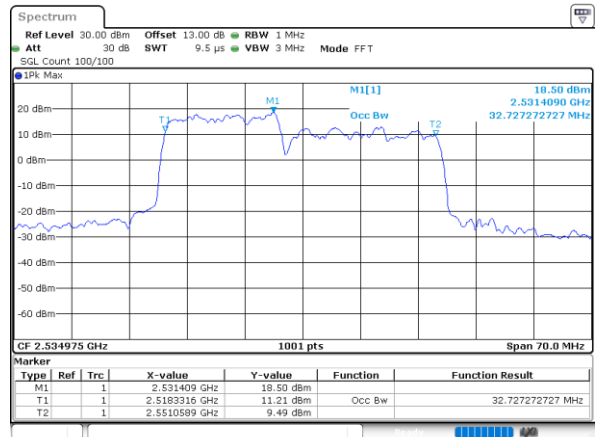
Date: 7 JUN 2024 16:35:53

Middle Channel / 15MHz+15MHz



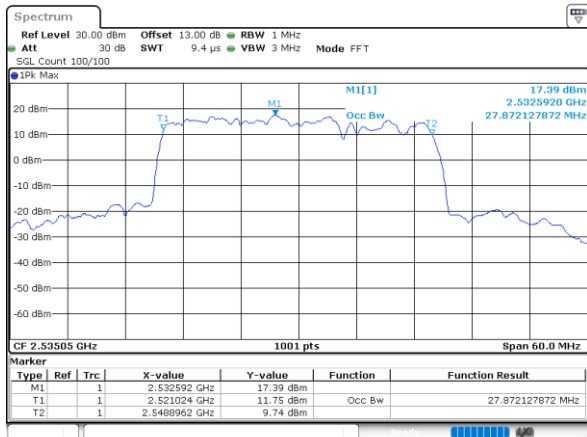
Date: 7 JUN 2024 11:40:34

Middle Channel / 15MHz+20MHz



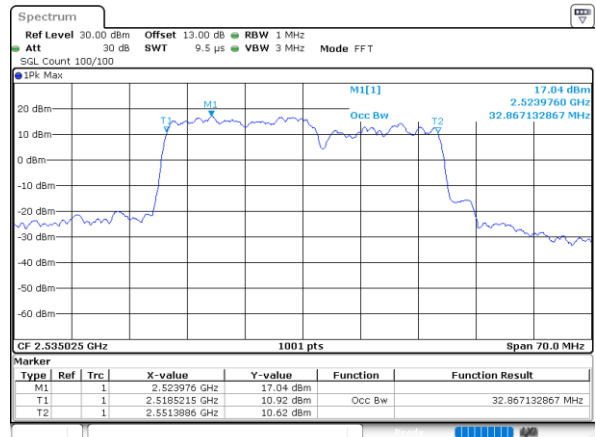
Date: 7 JUN 2024 12:33:48

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:49:57

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:15:28

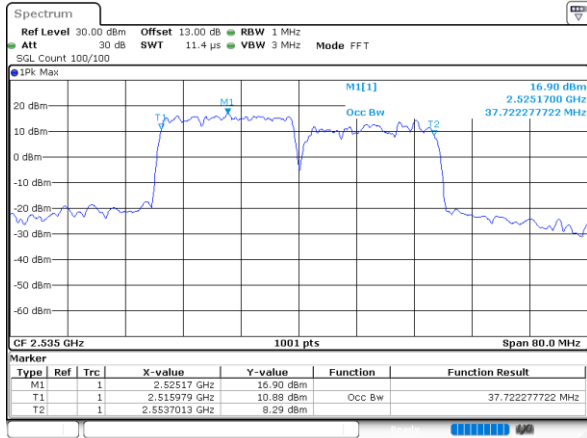


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



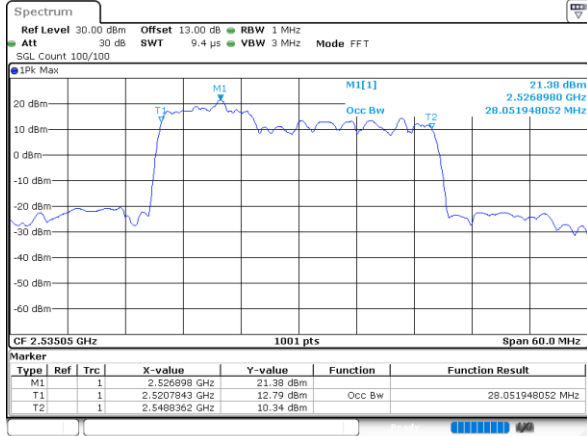




LTE Band 7C

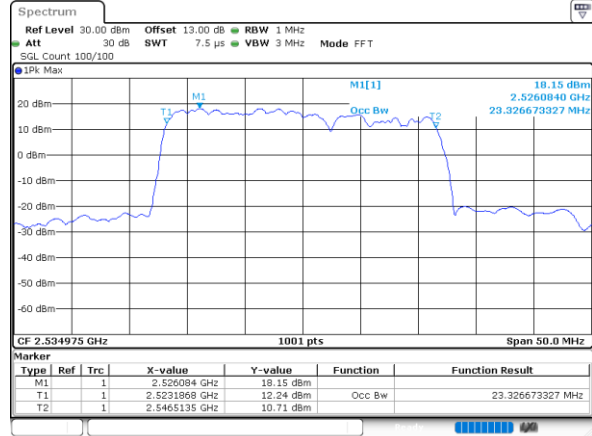
64QAM

Middle Channel / 10MHz+20MHz



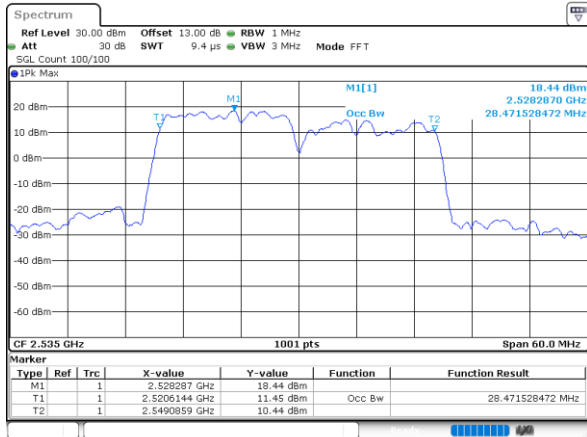
Date: 7 JUN 2024 09:56:24

Middle Channel / 15MHz+10MHz



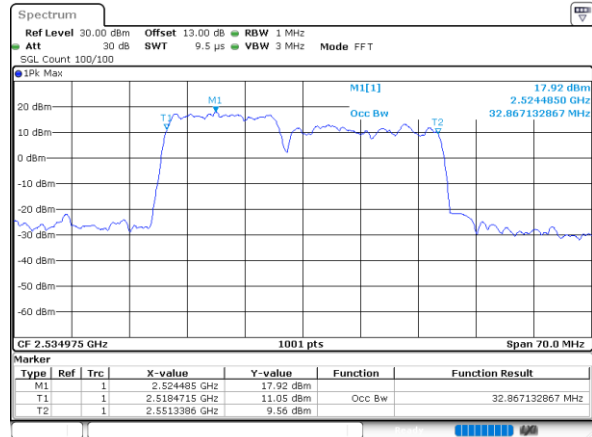
Date: 7 JUN 2024 16:36:42

Middle Channel / 15MHz+15MHz



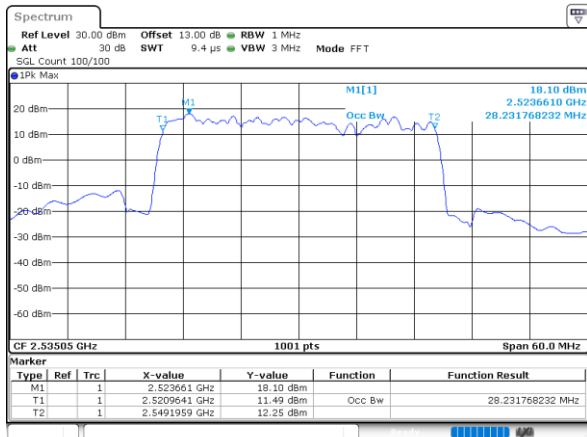
Date: 7 JUN 2024 11:41:18

Middle Channel / 15MHz+20MHz



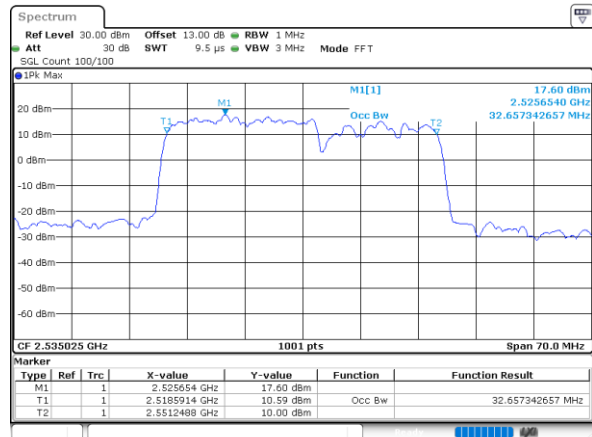
Date: 7 JUN 2024 12:34:39

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:50:46

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:16:23

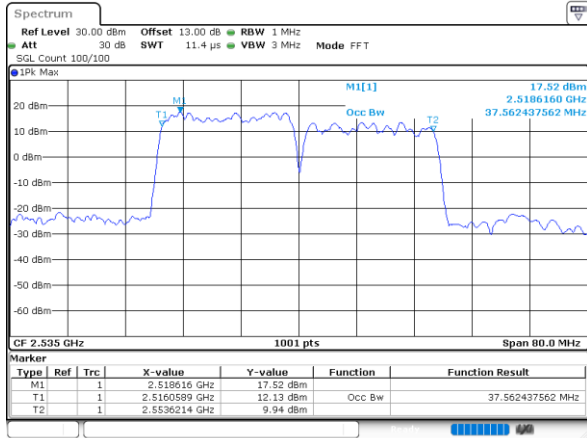


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

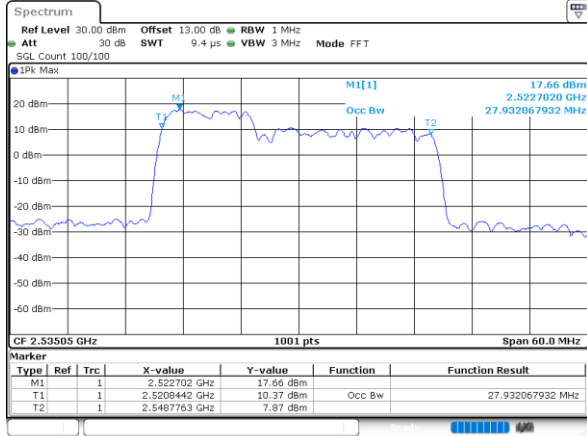




LTE Band 7C

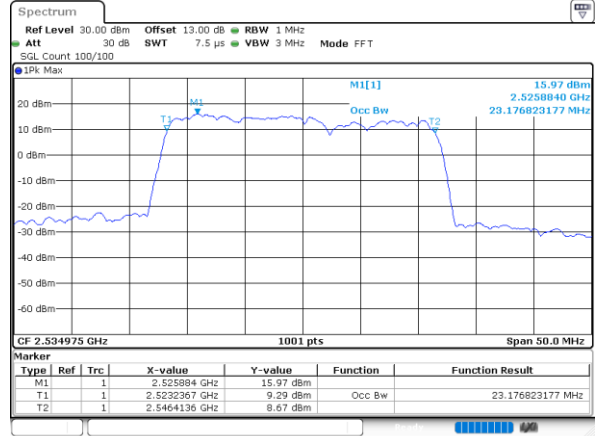
256QAM

Middle Channel / 10MHz+20MHz



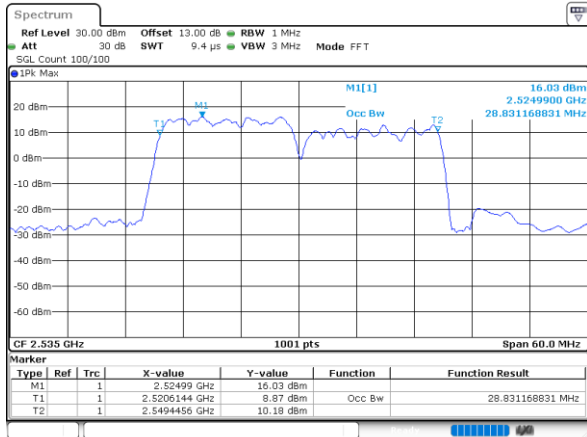
Date: 7 JUN 2024 09:57:13

Middle Channel / 15MHz+10MHz



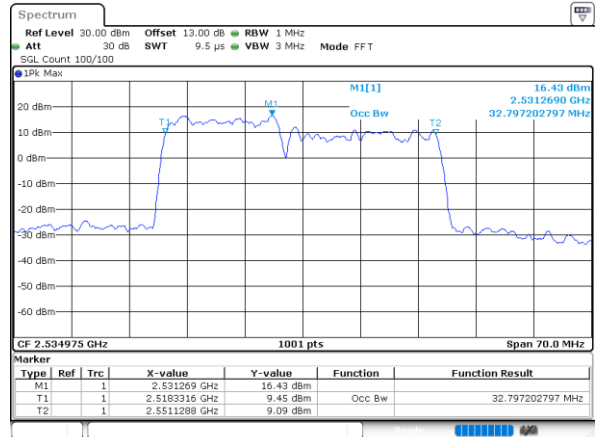
Date: 7 JUN 2024 16:37:35

Middle Channel / 15MHz+15MHz



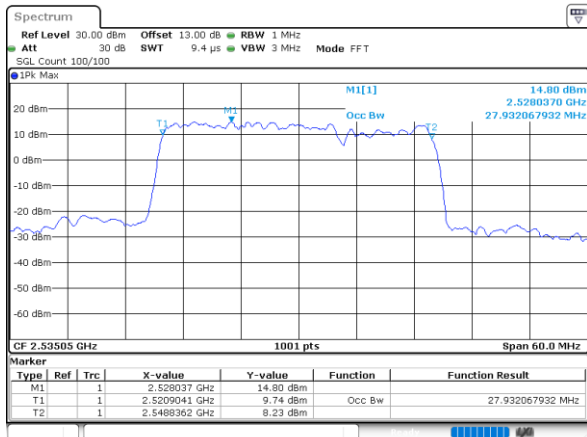
Date: 7 JUN 2024 11:42:01

Middle Channel / 15MHz+20MHz



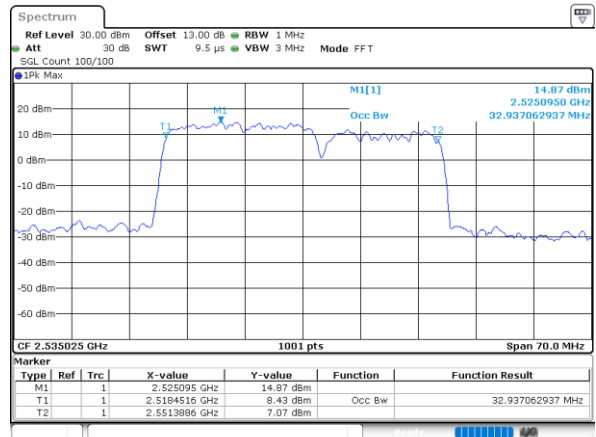
Date: 7 JUN 2024 12:35:33

Middle Channel / 20MHz+10MHz



Date: 7 JUN 2024 10:51:33

Middle Channel / 20MHz+15MHz



Date: 7 JUN 2024 14:17:13

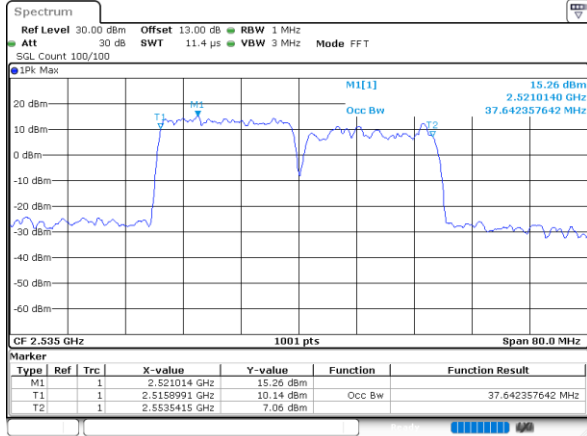


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



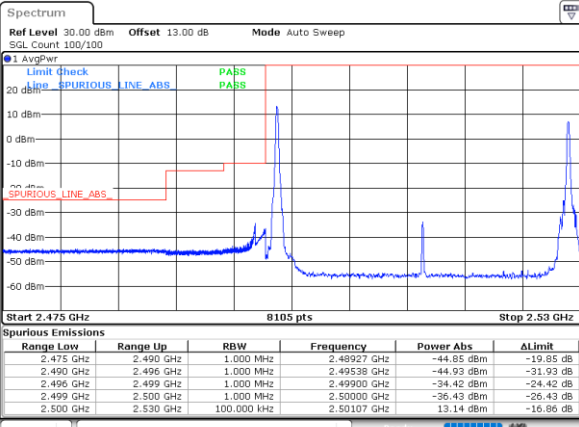


# Conducted Band Edge

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

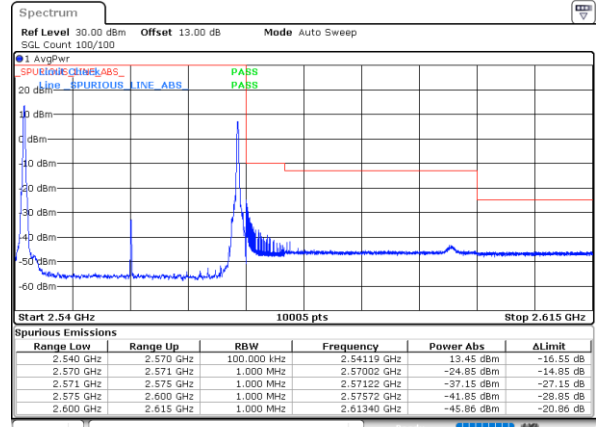
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB99



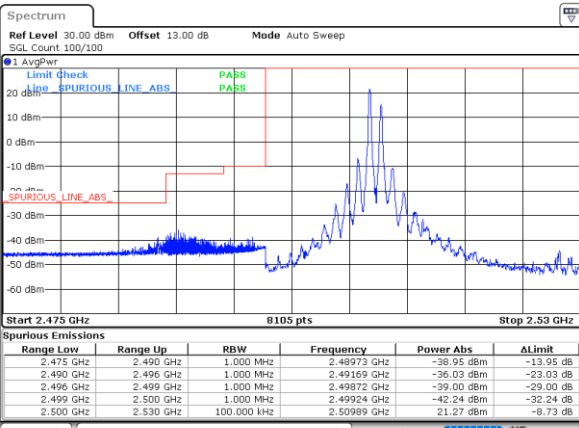
Date: 7 JUN 2024 09:41:37

#### Highest Band Edge / 1RB0 and 1RB99



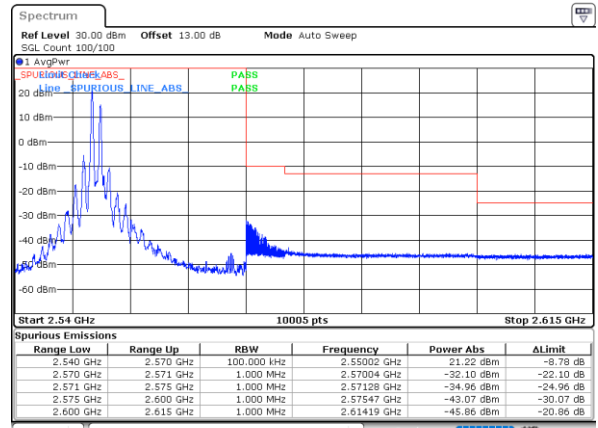
Date: 7 JUN 2024 09:19:32

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



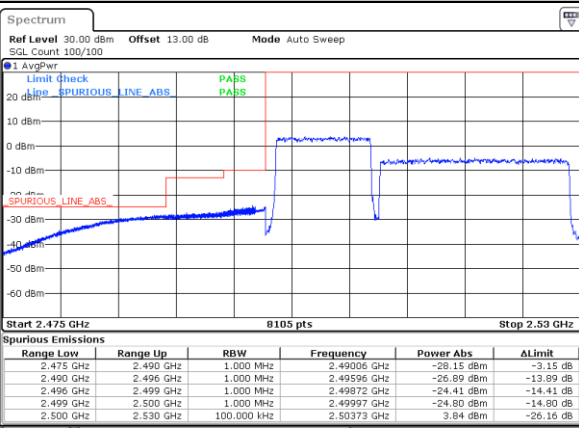
Date: 7 JUN 2024 09:48:06

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



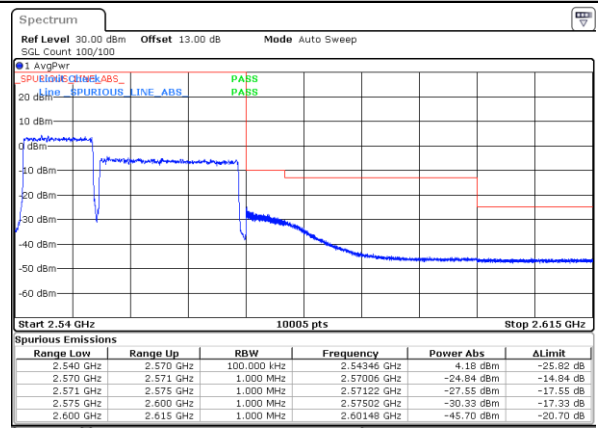
Date: 7 JUN 2024 09:26:06

#### Lowest Band Edge / Full RB



Date: 7 JUN 2024 09:16:17

#### Highest Band Edge / Full RB



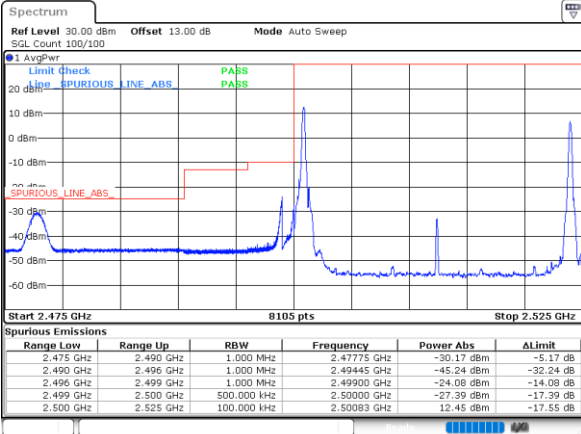
Date: 7 JUN 2024 09:14:41



LTE Band 7C / 15MHz+10MHz

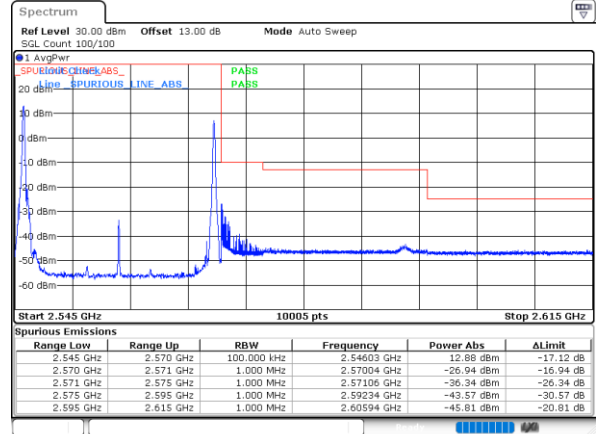
QPSK

Lowest Band Edge / 1RB0 and 1RB49



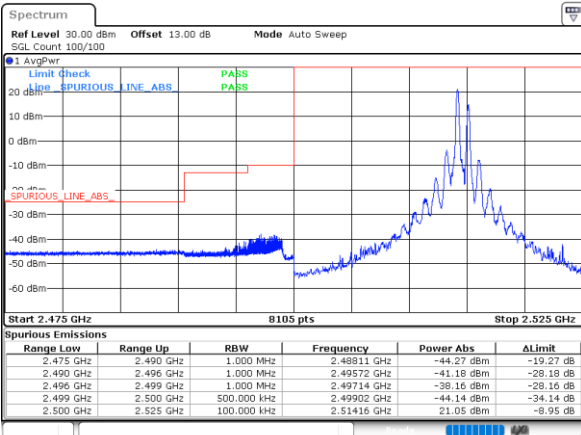
Date: 7 JUN 2024 16:22:26

Highest Band Edge / 1RB0 and 1RB49



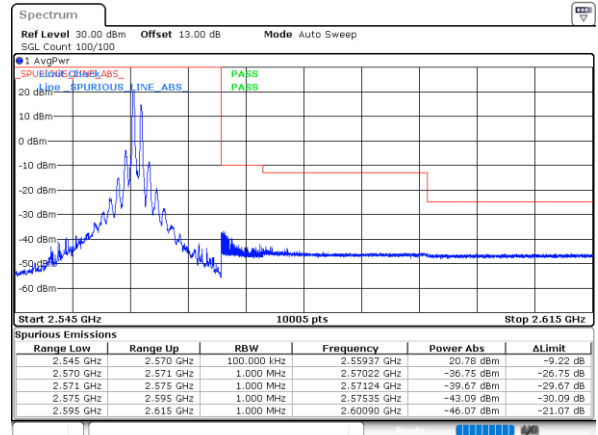
Date: 7 JUN 2024 16:01:03

Lowest Band Edge / 1RB74 and 1RB0



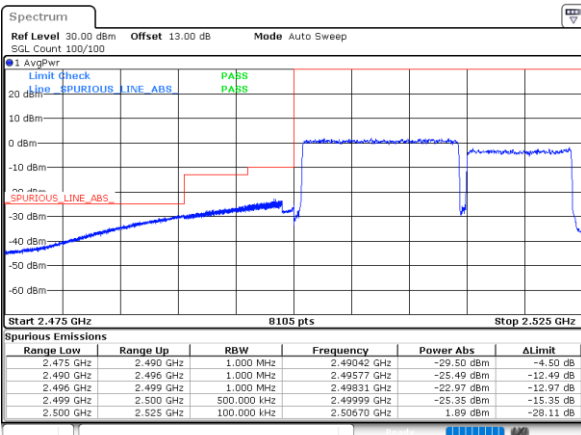
Date: 7 JUN 2024 16:28:56

Highest Band Edge / 1RB74 and 1RB0



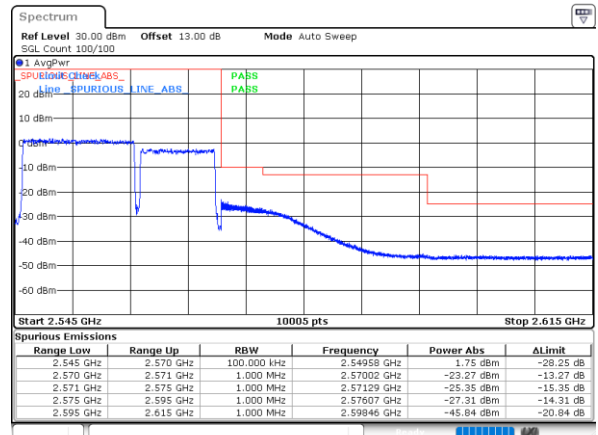
Date: 7 JUN 2024 16:07:27

Lowest Band Edge / Full RB



Date: 7 JUN 2024 16:17:27

Highest Band Edge / Full RB



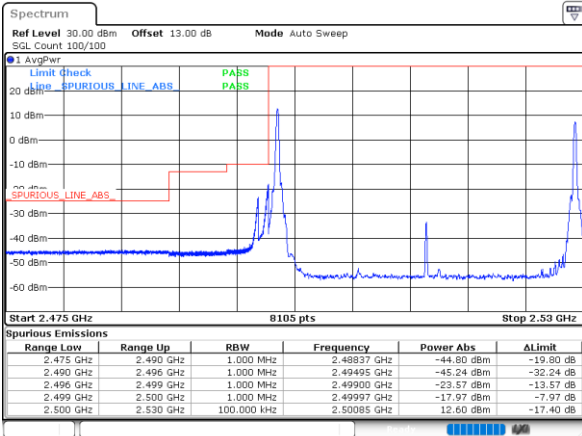
Date: 7 JUN 2024 15:56:00



LTE Band 7C / 15MHz+15MHz

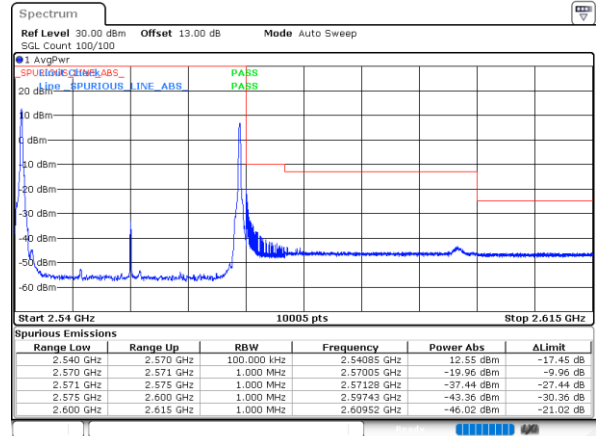
QPSK

Lowest Band Edge / 1RB0 and 1RB74



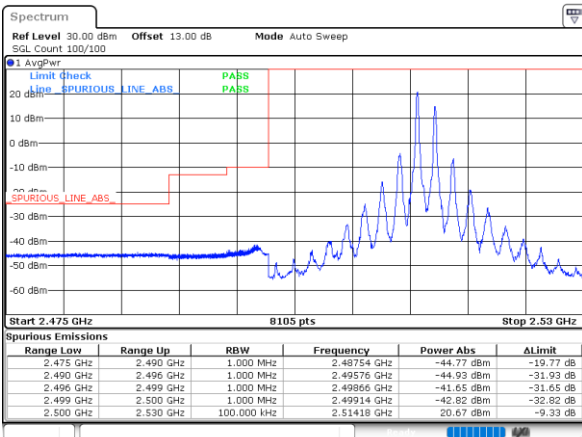
Date: 7 JUN 2024 11:27:46

Highest Band Edge / 1RB0 and 1RB74



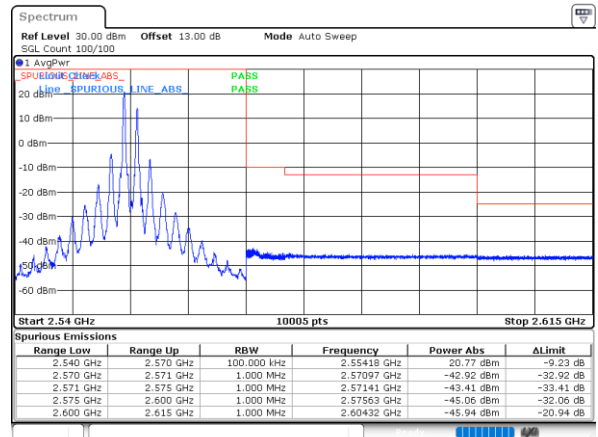
Date: 7 JUN 2024 11:07:30

Lowest Band Edge / 1RB74 and 1RB0



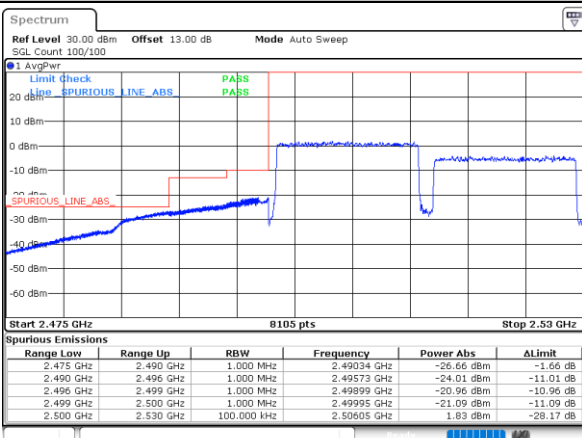
Date: 7 JUN 2024 11:33:45

Highest Band Edge / 1RB74 and 1RB0



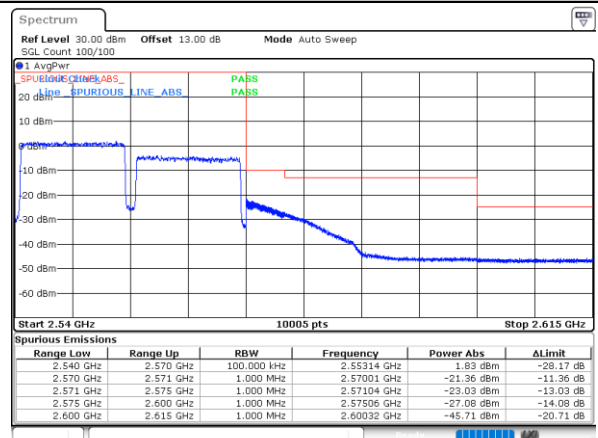
Date: 7 JUN 2024 11:12:05

Lowest Band Edge / Full RB



Date: 7 JUN 2024 11:23:04

Highest Band Edge / Full RB



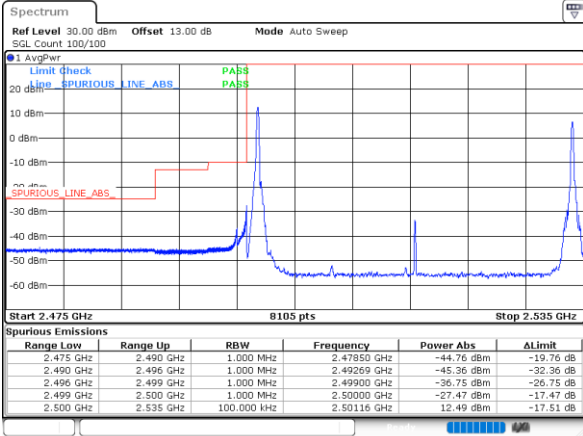
Date: 7 JUN 2024 11:02:47



LTE Band 7C / 15MHz+20MHz

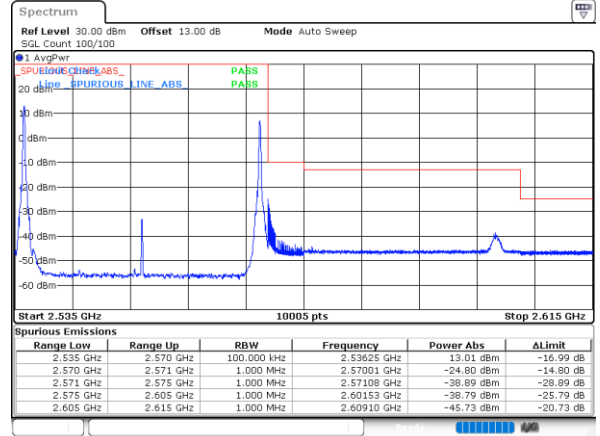
QPSK

Lowest Band Edge / 1RB0 and 1RB99



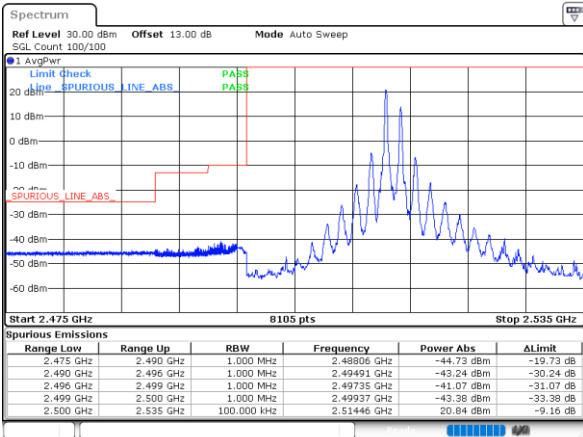
Date: 7 JUN 2024 12:19:54

Highest Band Edge / 1RB0 and 1RB99



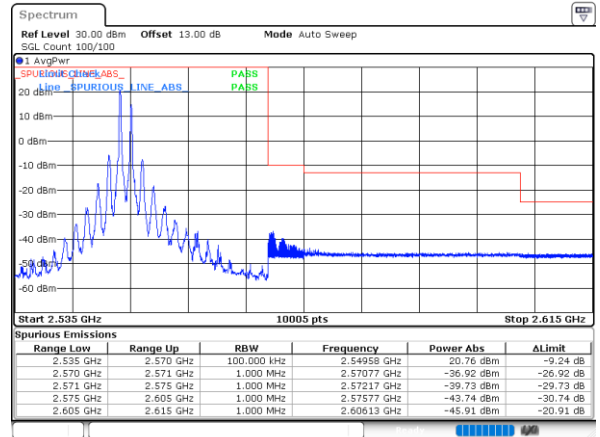
Date: 7 JUN 2024 11:58:20

Lowest Band Edge / 1RB74 and 1RB0



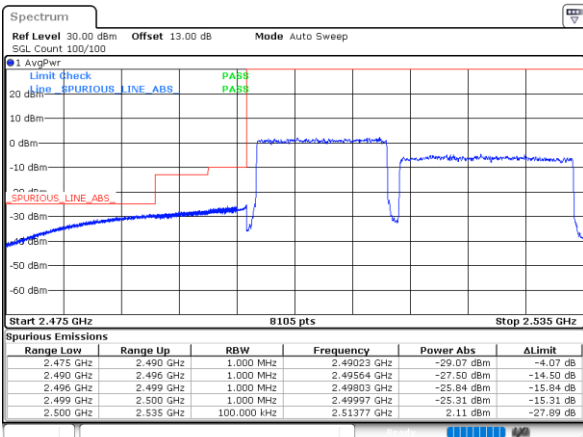
Date: 7 JUN 2024 12:26:26

Highest Band Edge / 1RB74 and 1RB0



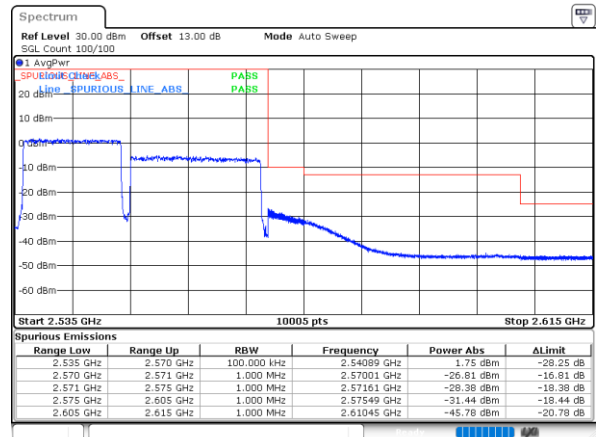
Date: 7 JUN 2024 12:04:49

Lowest Band Edge / Full RB



Date: 7 JUN 2024 12:14:58

Highest Band Edge / Full RB



Date: 7 JUN 2024 11:53:21

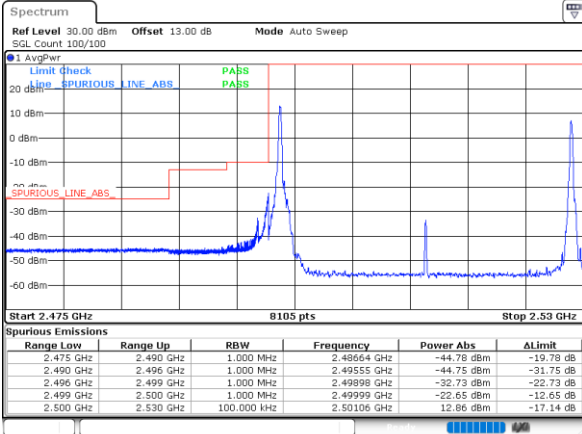




LTE Band 7C / 20MHz+10MHz

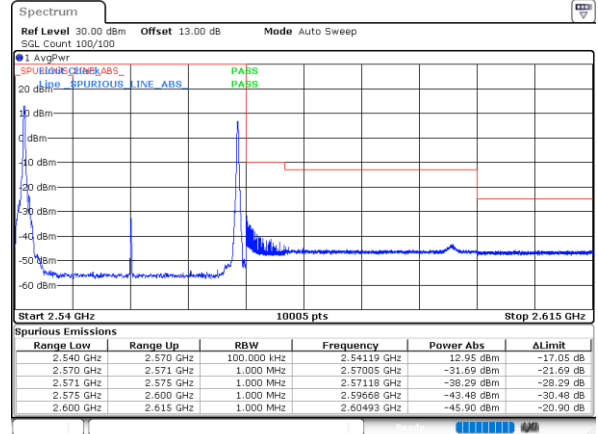
QPSK

Lowest Band Edge / 1RB0 and 1RB49



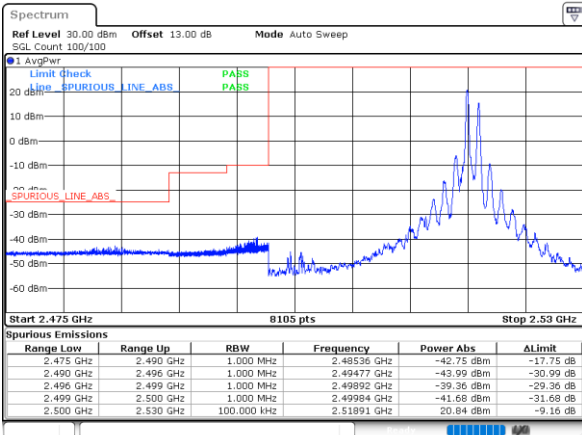
Date: 7 JUN 2024 10:35:53

Highest Band Edge / 1RB0 and 1RB49



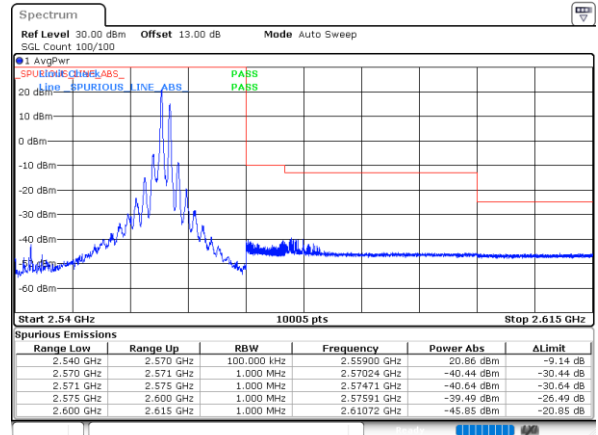
Date: 7 JUN 2024 10:14:09

Lowest Band Edge / 1RB99 and 1RB0



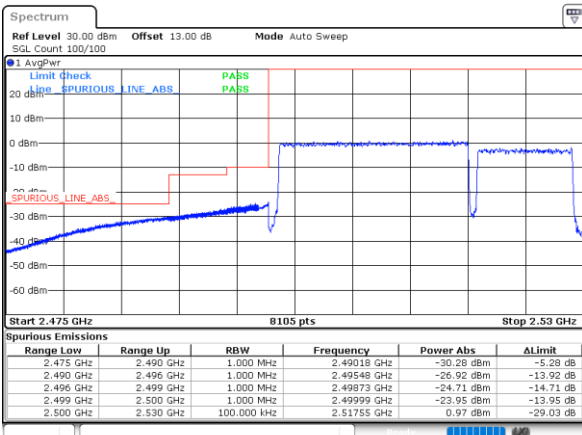
Date: 7 JUN 2024 10:42:26

Highest Band Edge / 1RB99 and 1RB0



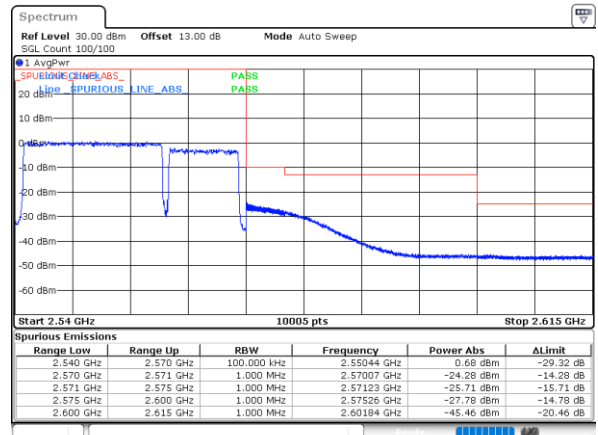
Date: 7 JUN 2024 10:20:42

Lowest Band Edge / Full RB



Date: 7 JUN 2024 10:30:56

Highest Band Edge / Full RB



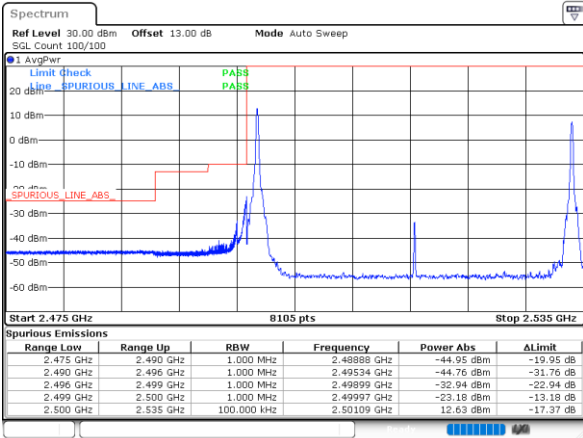
Date: 7 JUN 2024 10:09:09



LTE Band 7C / 20MHz+15MHz

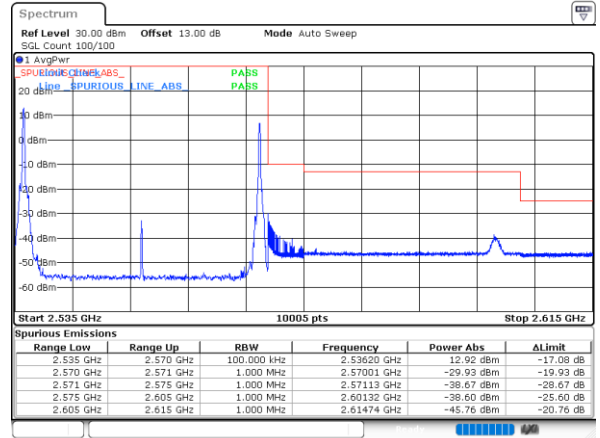
QPSK

Lowest Band Edge / 1RB0 and 1RB74



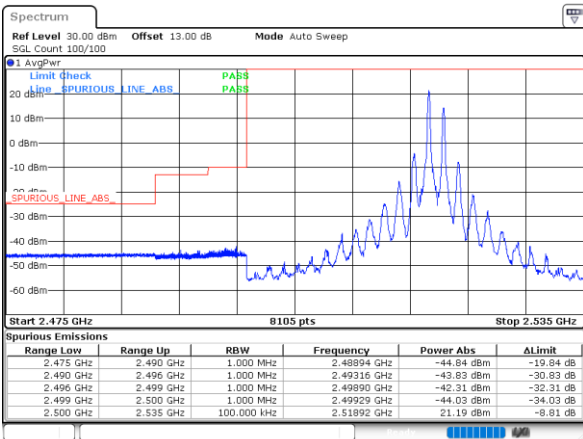
Date: 7 JUN 2024 13:13:01

Highest Band Edge / 1RB0 and 1RB74



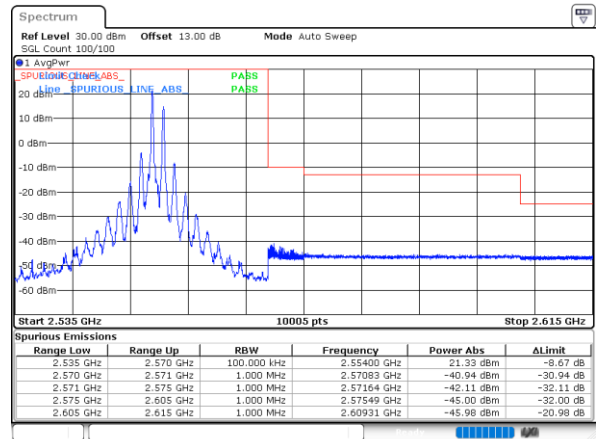
Date: 7 JUN 2024 12:51:47

Lowest Band Edge / 1RB99 and 1RB0



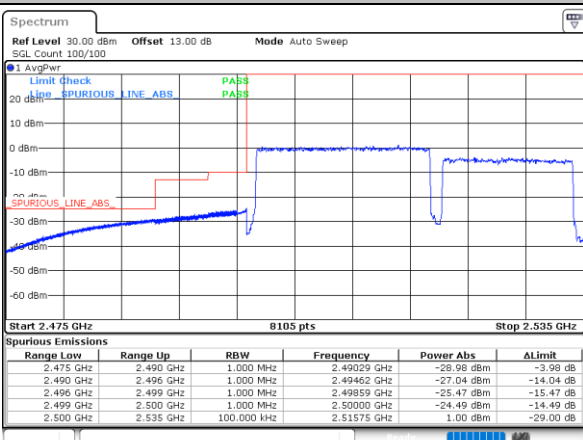
Date: 7 JUN 2024 14:07:47

Highest Band Edge / 1RB99 and 1RB0



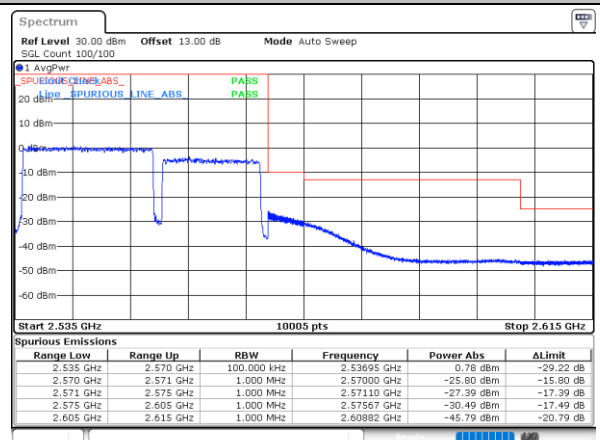
Date: 7 JUN 2024 12:56:42

Lowest Band Edge / Full RB



Date: 7 JUN 2024 13:08:06

Highest Band Edge / Full RB



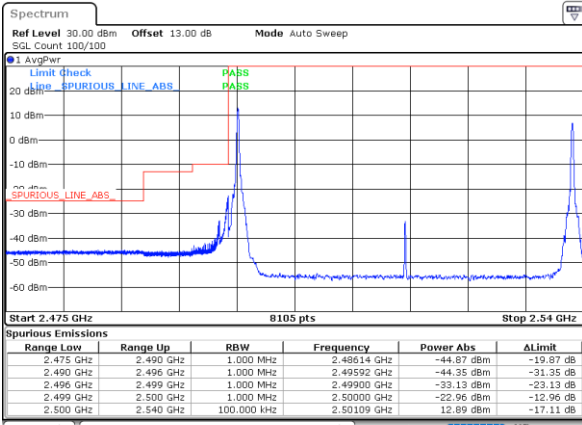
Date: 7 JUN 2024 12:46:53



LTE Band 7C / 20MHz+20MHz

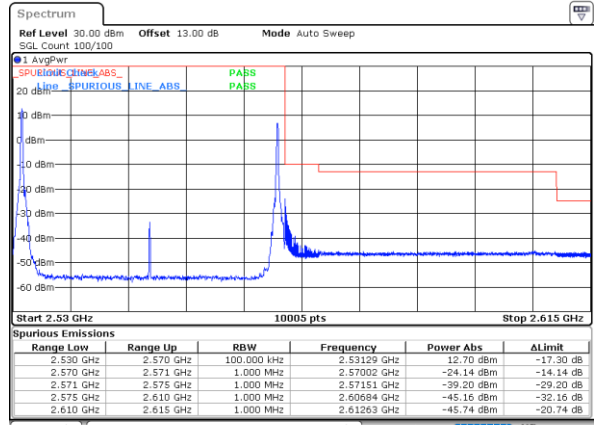
QPSK

Lowest Band Edge / 1RB0 and 1RB9



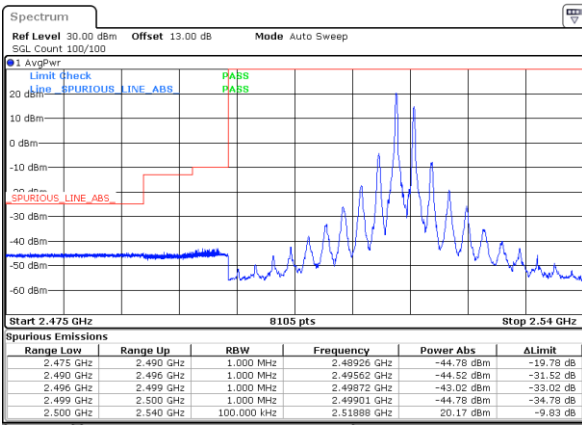
Date: 7 JUN 2024 14:52:47

Highest Band Edge / 1RB0 and 1RB9



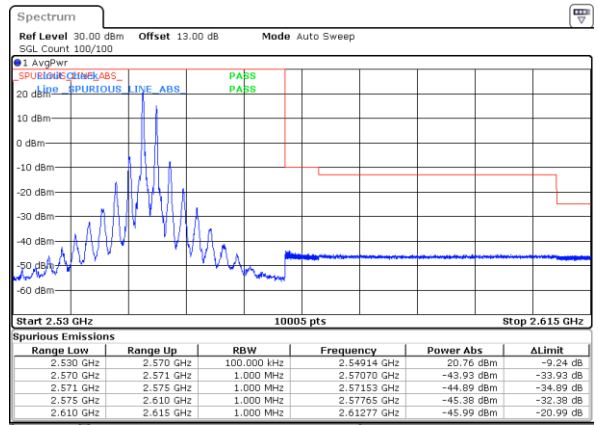
Date: 7 JUN 2024 14:32:59

Lowest Band Edge / 1RB99 and 1RB0



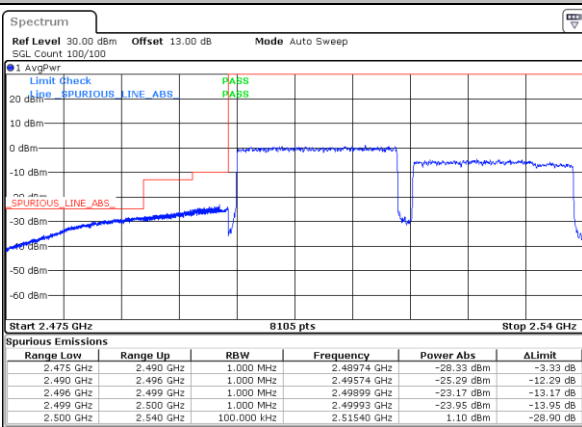
Date: 7 JUN 2024 14:58:50

Highest Band Edge / 1RB99 and 1RB0



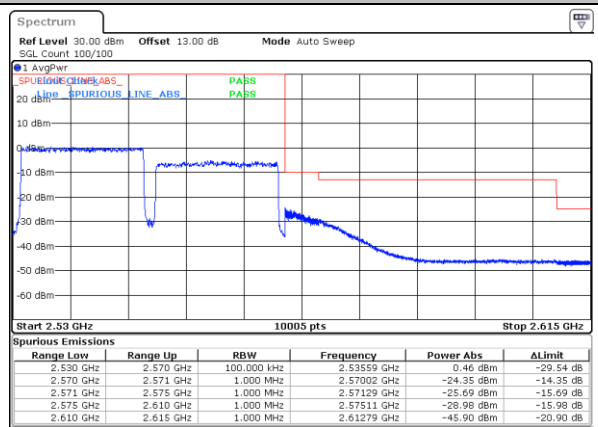
Date: 7 JUN 2024 14:39:05

Lowest Band Edge / Full RB



Date: 7 JUN 2024 14:48:15

Highest Band Edge / Full RB



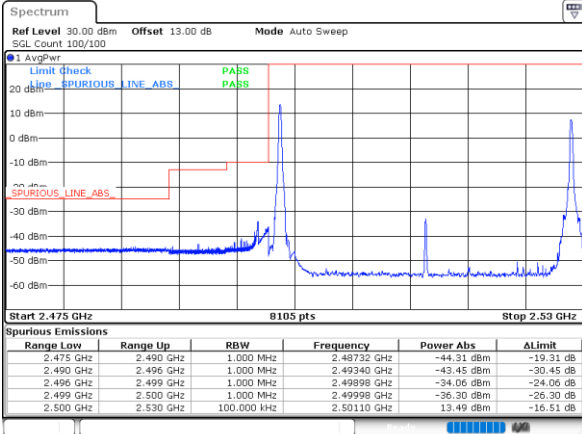
Date: 7 JUN 2024 14:28:26



LTE Band 7C / 10MHz+20MHz

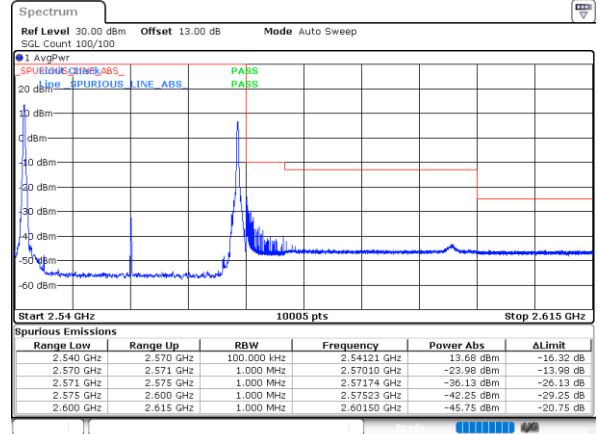
16QAM

Lowest Band Edge / 1RB0 and 1RB99



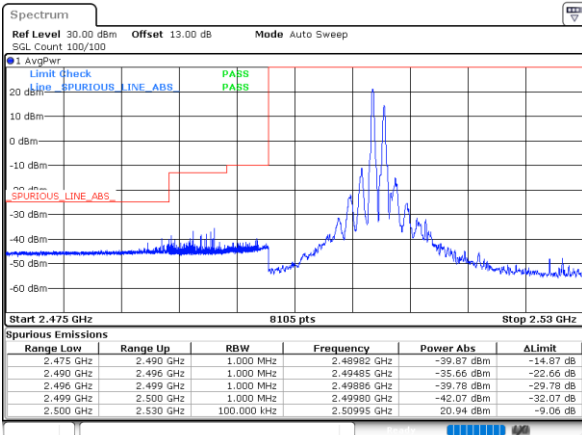
Date: 7 JUN 2024 09:44:21

Highest Band Edge / 1RB0 and 1RB99



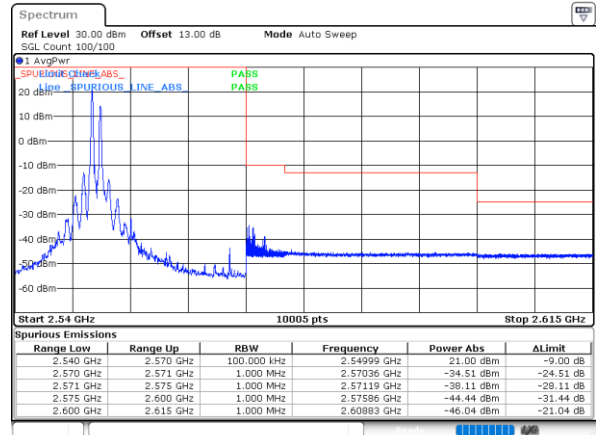
Date: 7 JUN 2024 09:22:18

Lowest Band Edge / 1RB49 and 1RB0



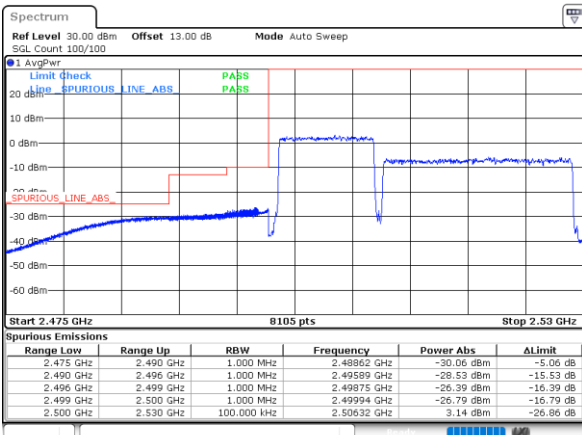
Date: 7 JUN 2024 09:15:49

Highest Band Edge / 1RB49 and 1RB0



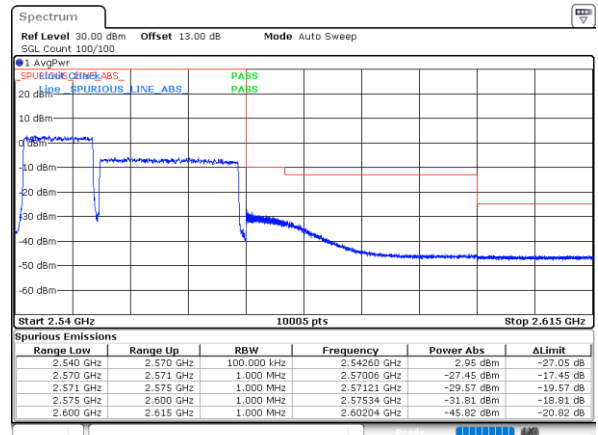
Date: 7 JUN 2024 09:28:52

Lowest Band Edge / Full RB



Date: 7 JUN 2024 09:13:51

Highest Band Edge / Full RB



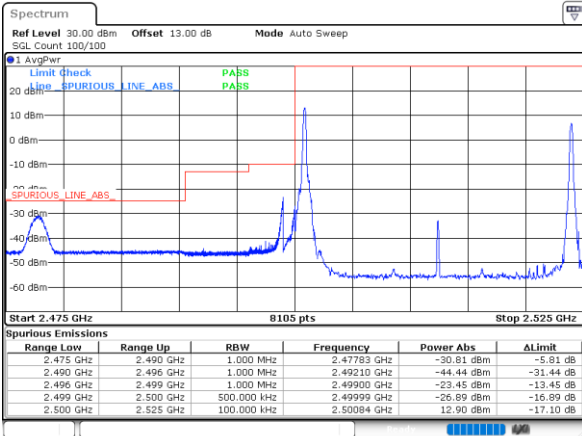
Date: 7 JUN 2024 09:15:55



LTE Band 7C / 15MHz+10MHz

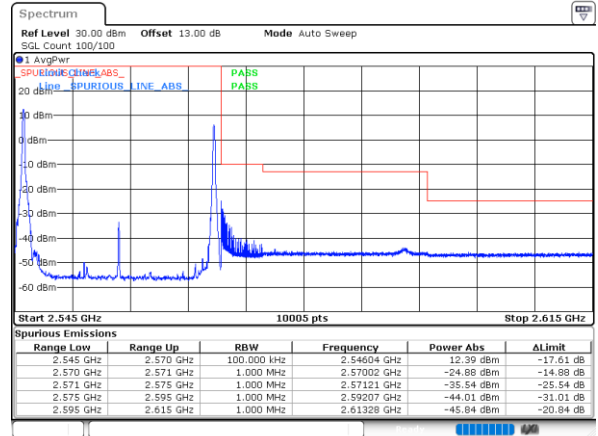
16QAM

Lowest Band Edge / 1RB0 and 1RB49



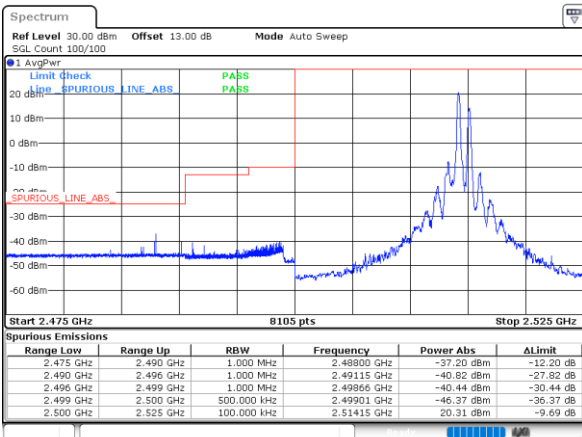
Date: 7 JUN 2024 16:25:12

Highest Band Edge / 1RB0 and 1RB49



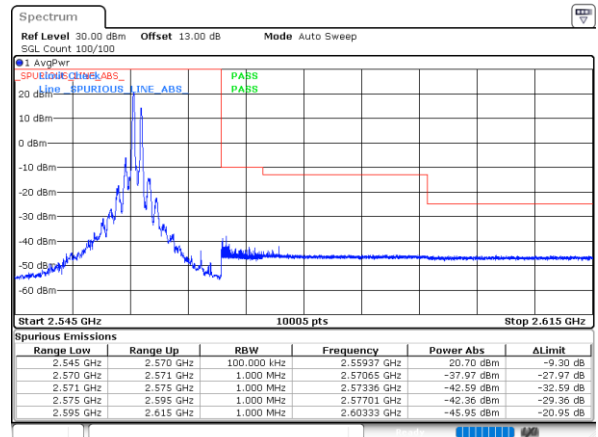
Date: 7 JUN 2024 16:03:47

Lowest Band Edge / 1RB74 and 1RB0



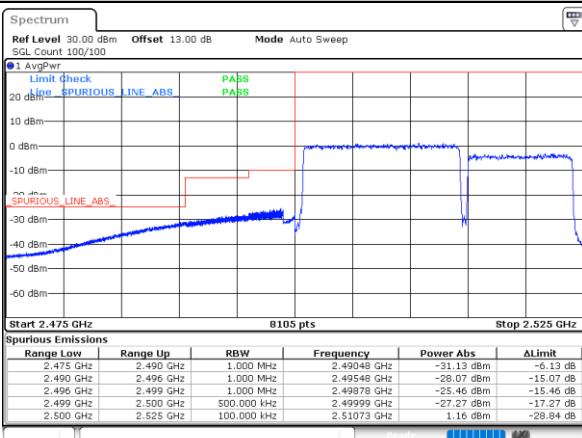
Date: 7 JUN 2024 16:31:39

Highest Band Edge / 1RB74 and 1RB0



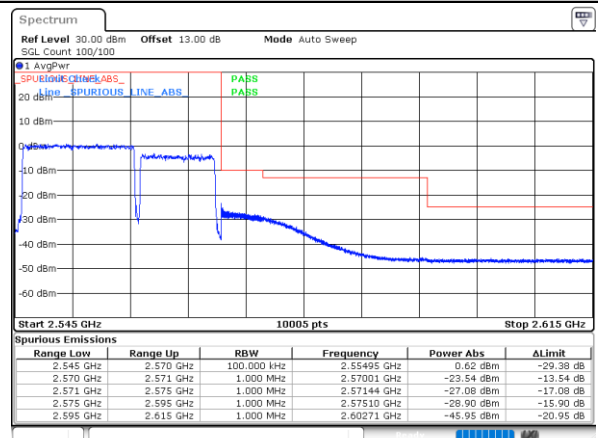
Date: 7 JUN 2024 16:10:13

Lowest Band Edge / Full RB



Date: 7 JUN 2024 16:18:41

Highest Band Edge / Full RB



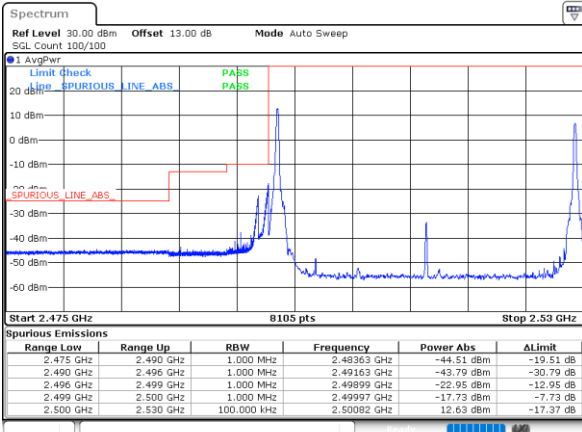
Date: 7 JUN 2024 15:57:16



LTE Band 7C / 15MHz+15MHz

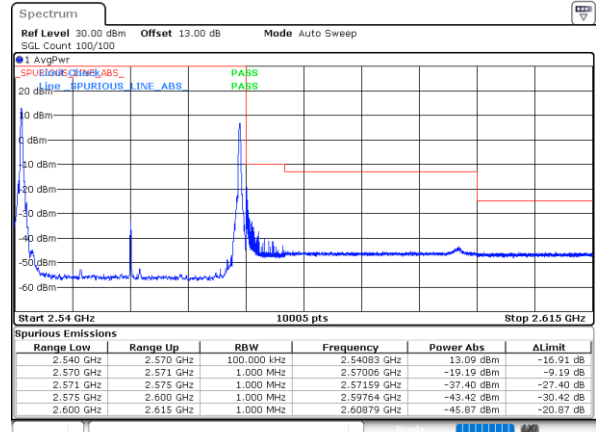
16QAM

Lowest Band Edge / 1RB0 and 1RB74



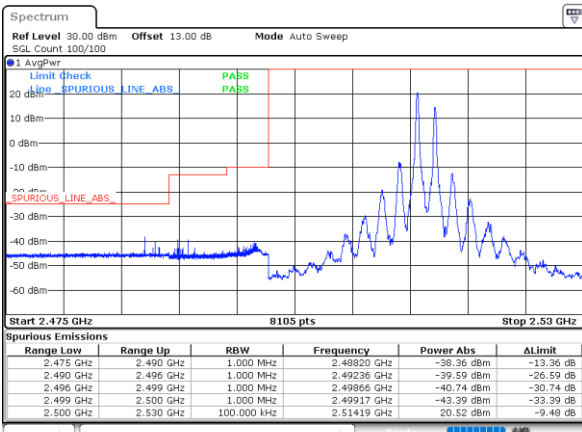
Date: 7 JUN 2024 11:30:21

Highest Band Edge / 1RB0 and 1RB74



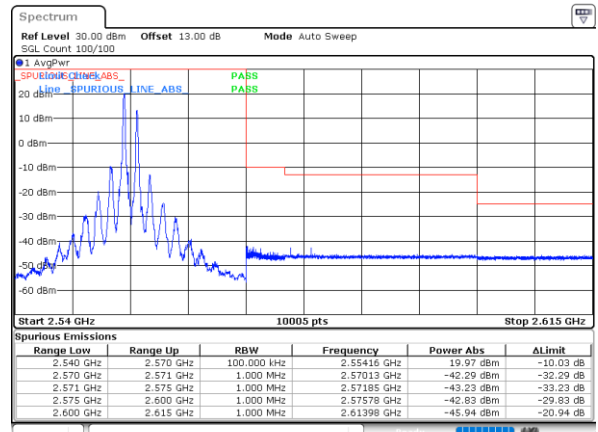
Date: 7 JUN 2024 11:09:37

Lowest Band Edge / 1RB74 and 1RB0



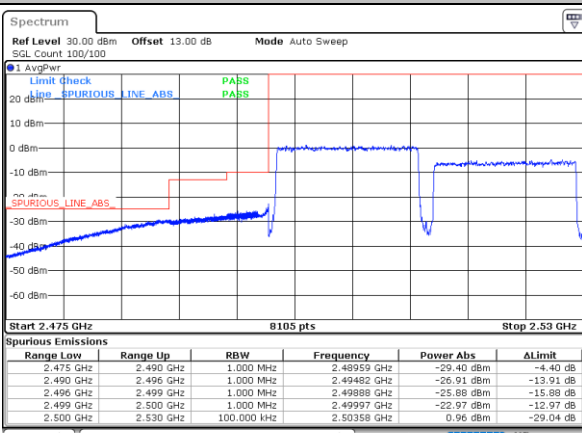
Date: 7 JUN 2024 11:36:19

Highest Band Edge / 1RB74 and 1RB0



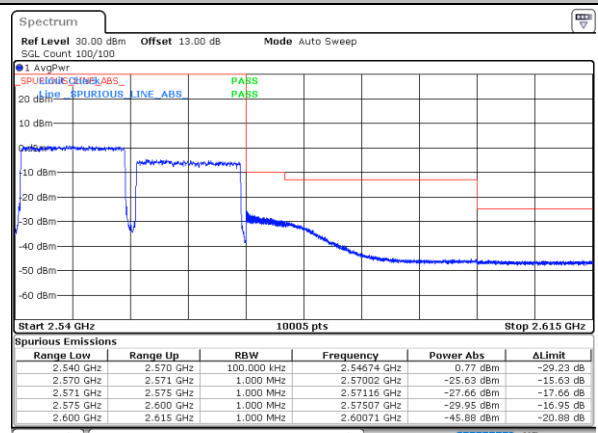
Date: 7 JUN 2024 11:10:11

Lowest Band Edge / Full RB



Date: 7 JUN 2024 11:24:11

Highest Band Edge / Full RB



Date: 7 JUN 2024 11:03:57