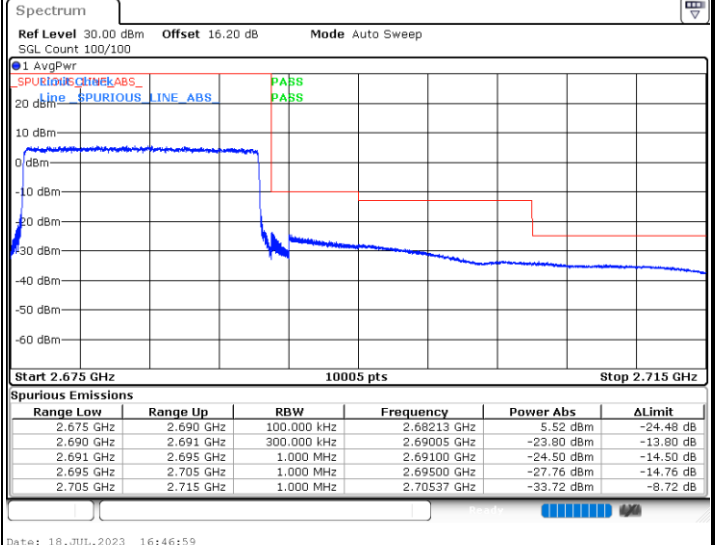
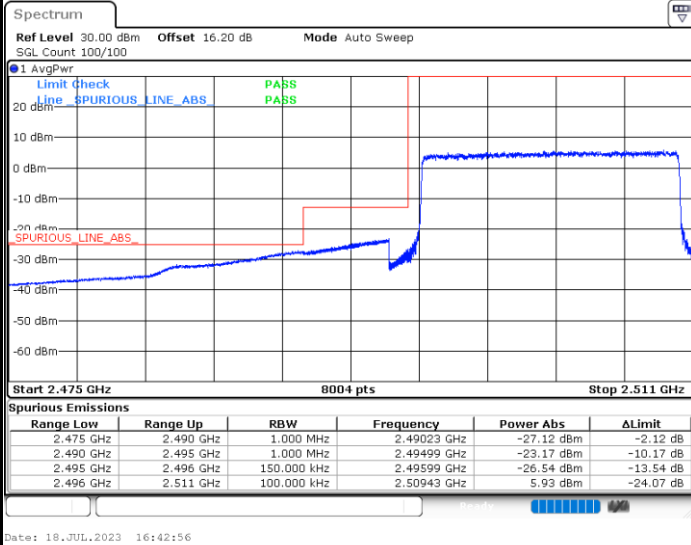




LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB

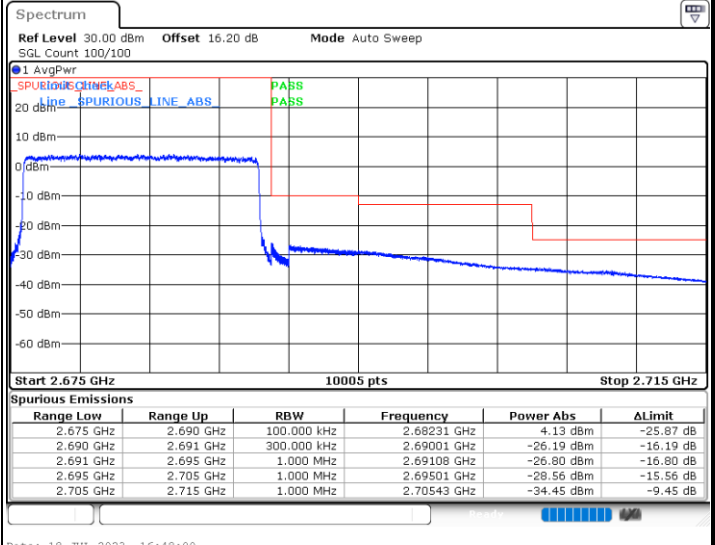
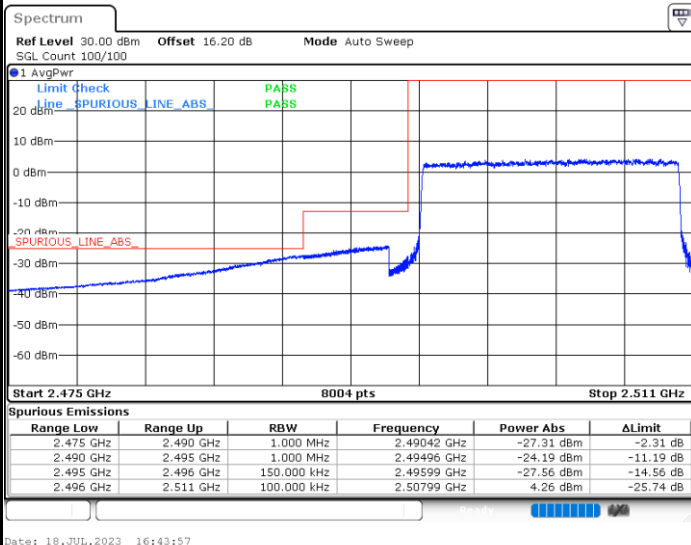
Highest Band Edge / Full RB



LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB

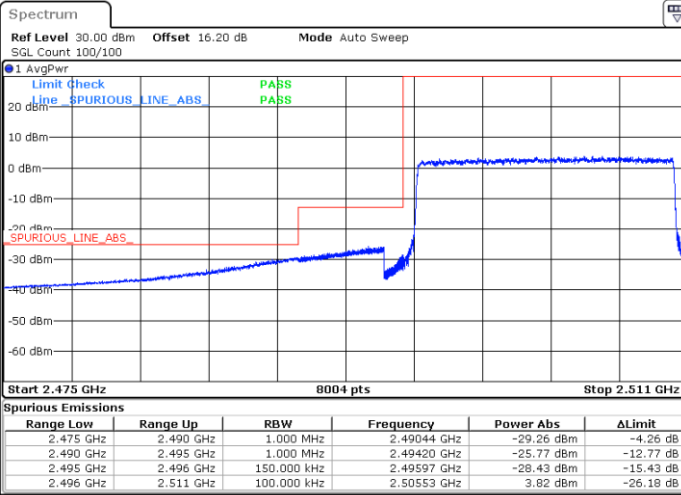
Highest Band Edge / Full RB





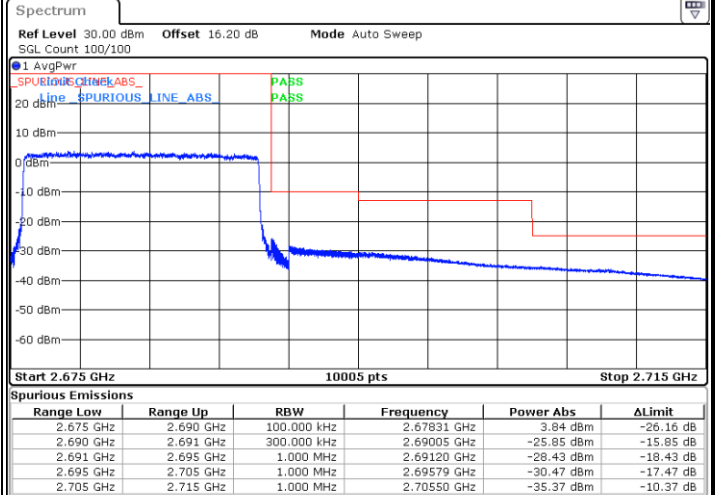
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:44:58

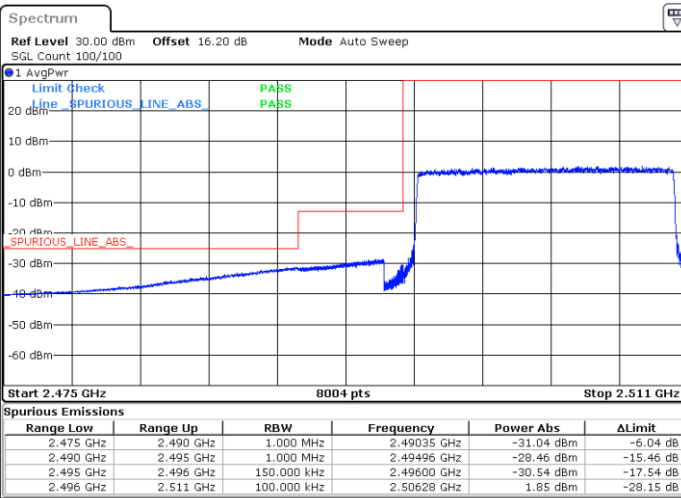
Highest Band Edge / Full RB



Date: 18.JUL.2023 16:49:00

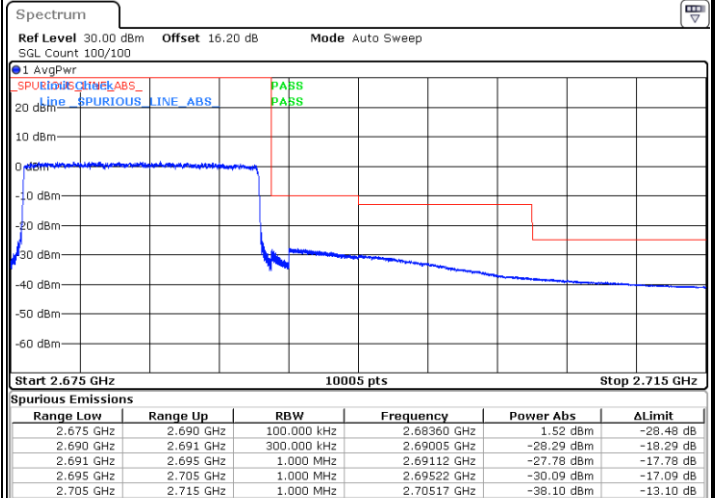
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:45:59

Highest Band Edge / Full RB

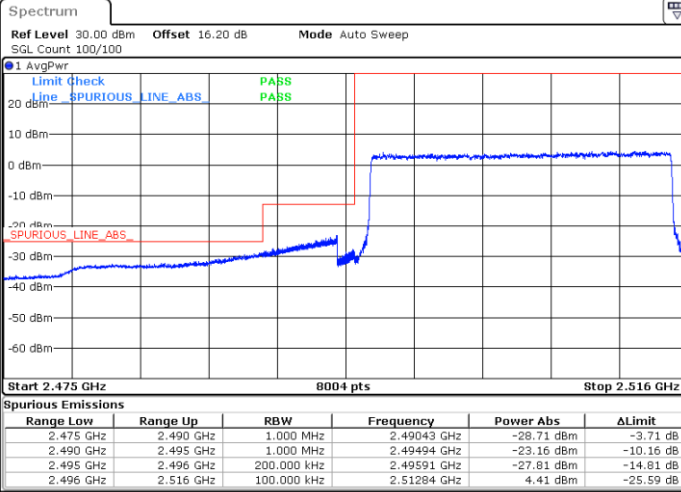


Date: 18.JUL.2023 16:50:00



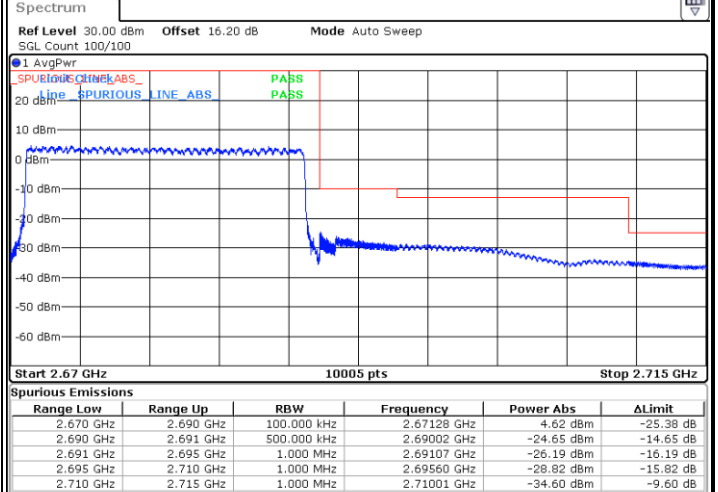
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:53:00

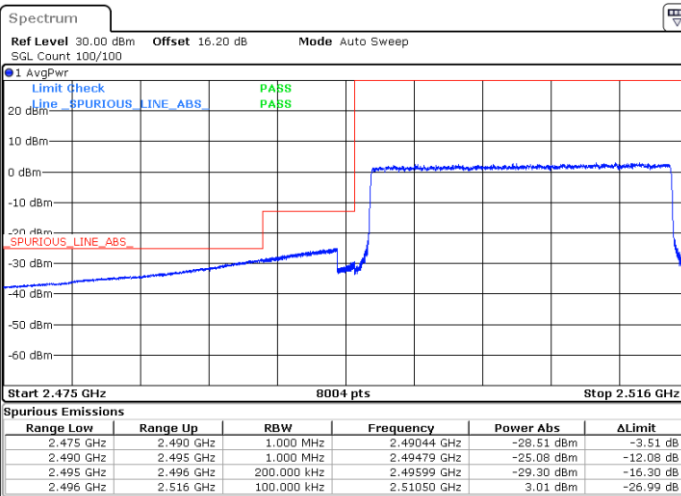
Highest Band Edge / Full RB



Date: 18.JUL.2023 16:57:06

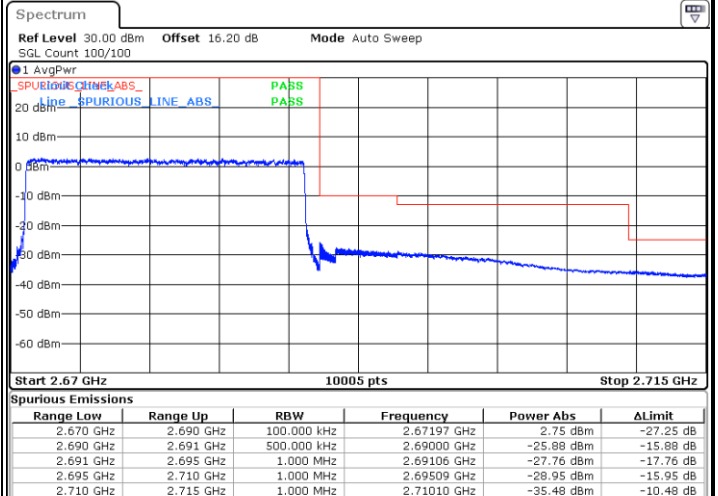
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:54:01

Highest Band Edge / Full RB

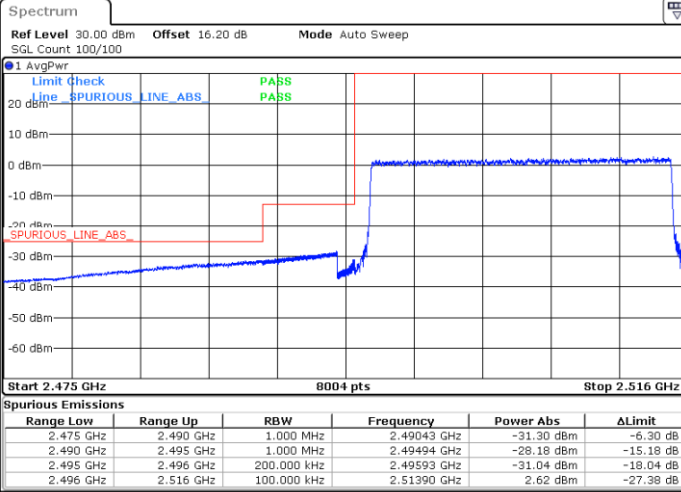


Date: 18.JUL.2023 16:58:06



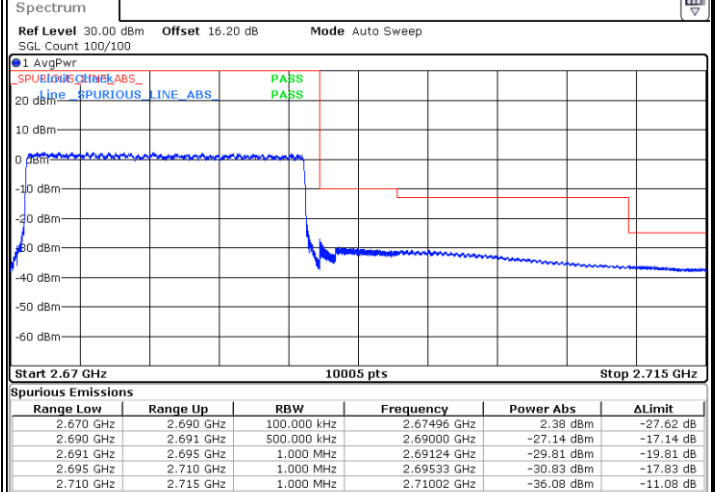
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:55:02

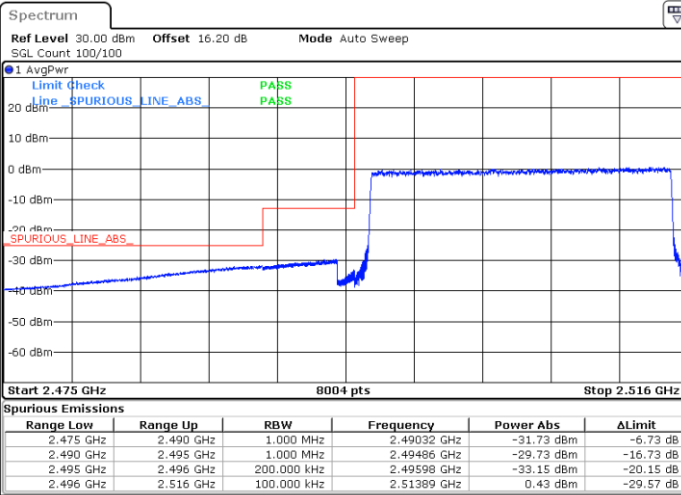
Highest Band Edge / Full RB



Date: 18.JUL.2023 16:59:07

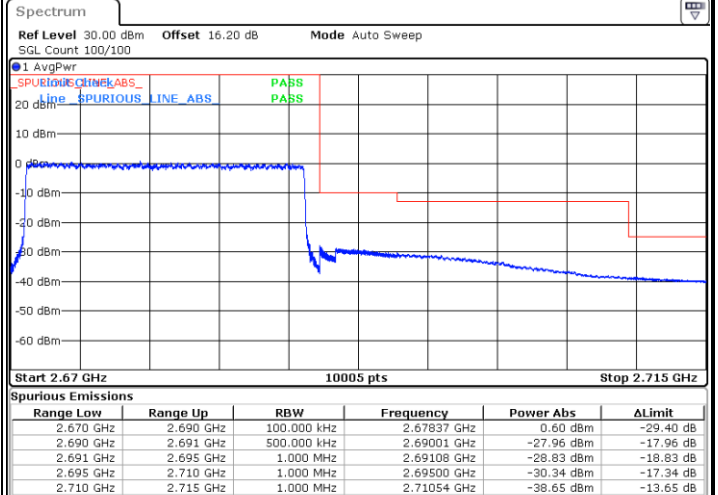
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:56:02

Highest Band Edge / Full RB



Date: 18.JUL.2023 17:00:07

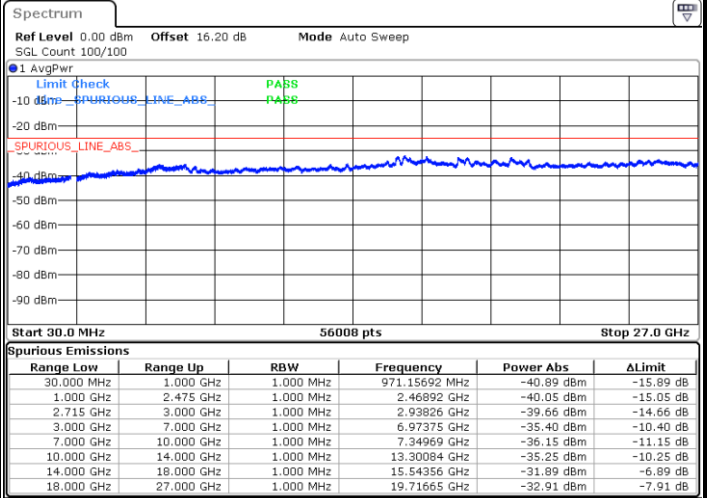
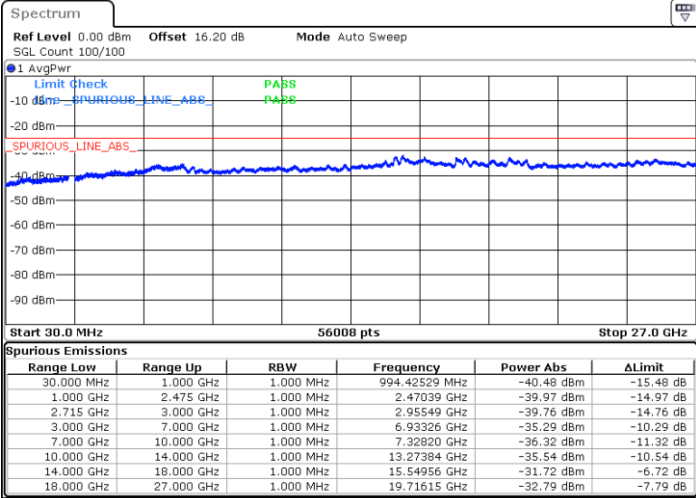


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

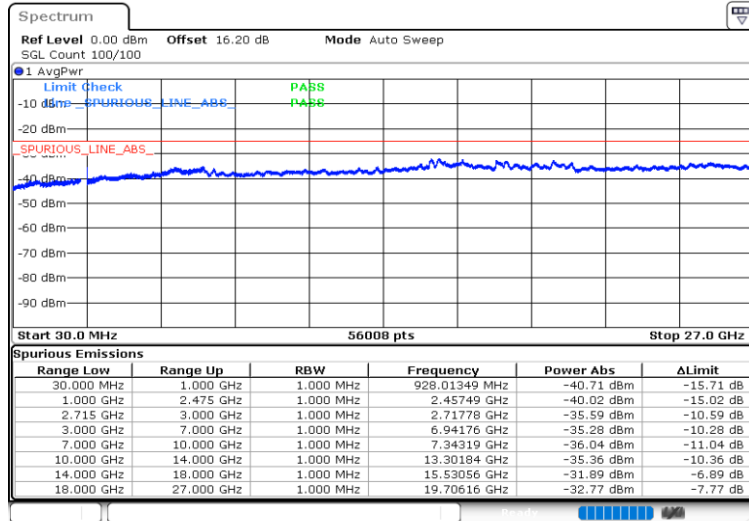
### Middle Channel / QPSK



Date: 18.JUL.2023 16:16:07

Date: 18.JUL.2023 16:21:22

### Highest Channel / QPSK



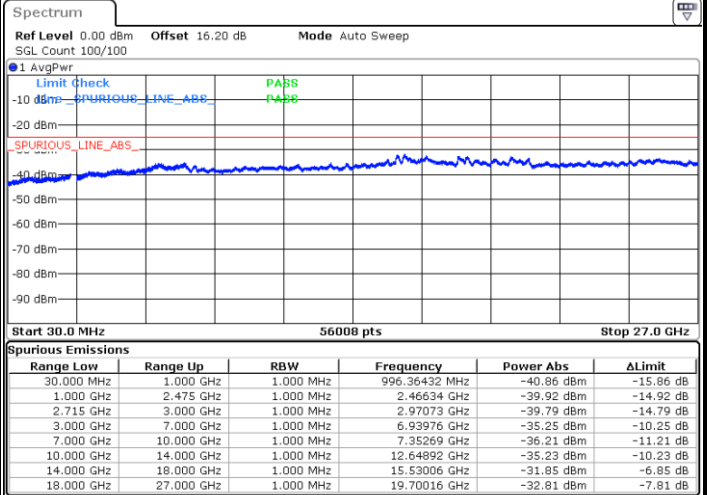
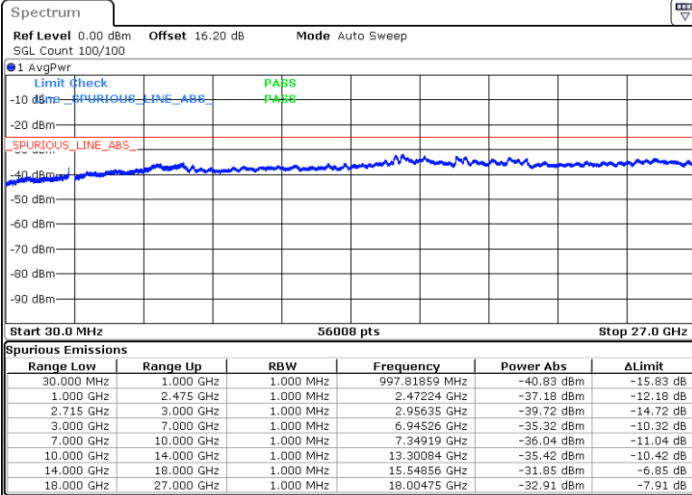
Date: 18.JUL.2023 16:31:43



LTE Band 41 / 10MHz

Lowest Channel / QPSK

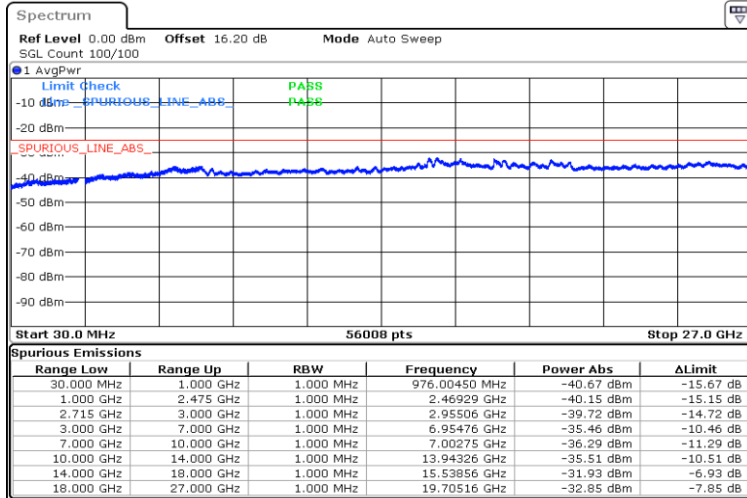
Middle Channel / QPSK



Date: 18.JUL.2023 17:01:22

Date: 18.JUL.2023 17:02:31

Highest Channel / QPSK



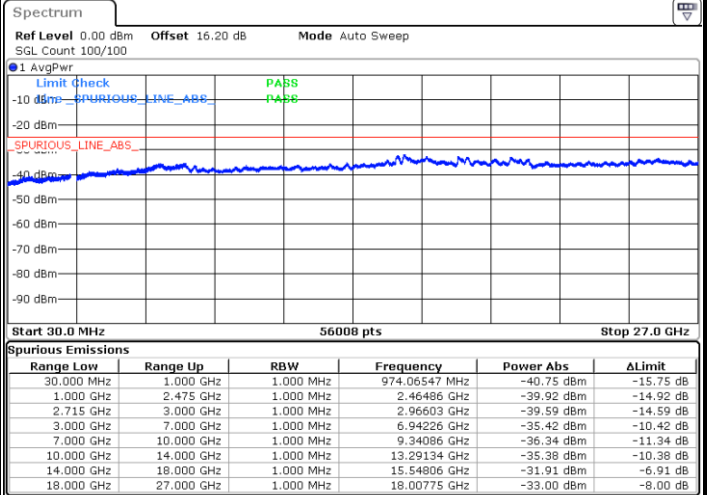
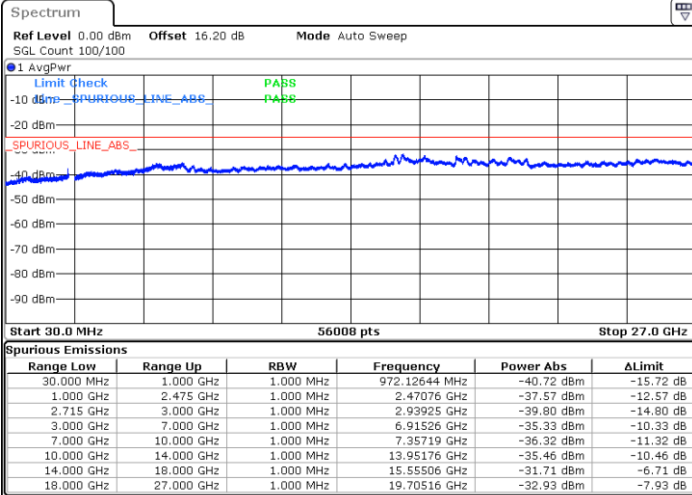
Date: 18.JUL.2023 17:03:40



LTE Band 41 / 15MHz

Lowest Channel / QPSK

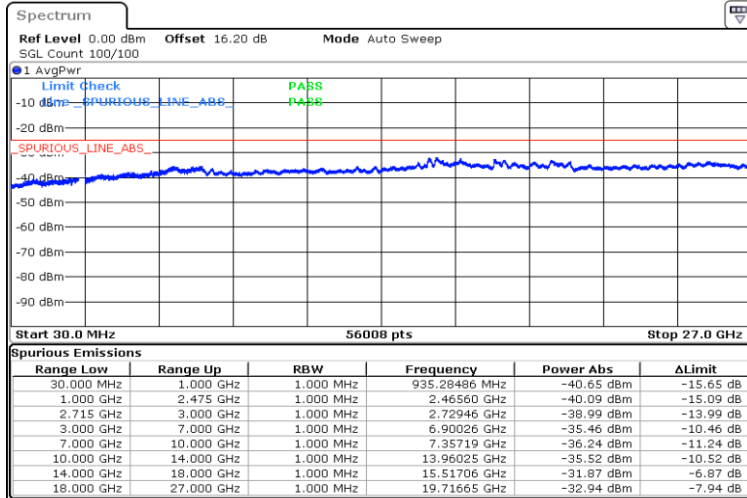
Middle Channel / QPSK



Date: 18.JUL.2023 17:04:55

Date: 18.JUL.2023 17:06:05

Highest Channel / QPSK



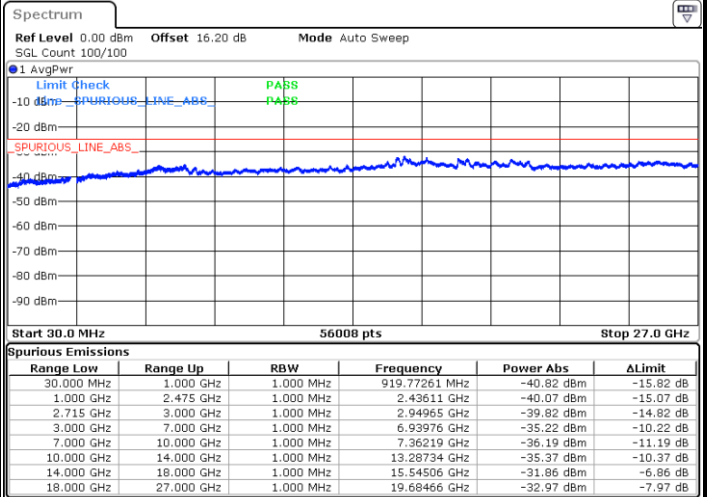
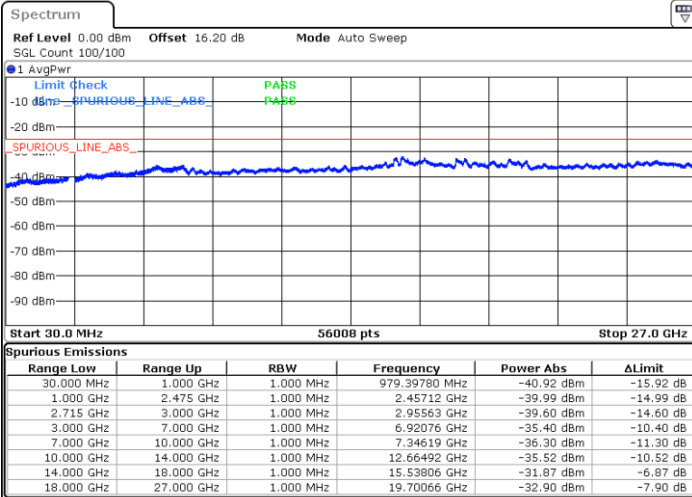
Date: 18.JUL.2023 17:07:15



LTE Band 41 / 20MHz

Lowest Channel / QPSK

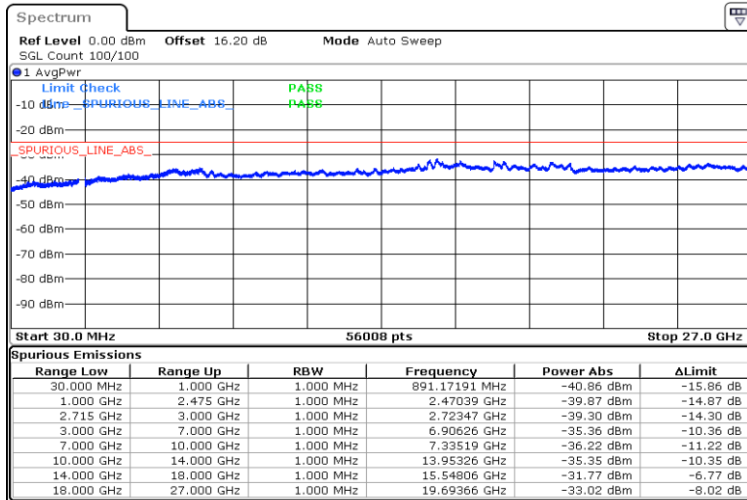
Middle Channel / QPSK



Date: 18.JUL.2023 17:08:30

Date: 18.JUL.2023 17:09:39

Highest Channel / QPSK



Date: 18.JUL.2023 17:10:48





### 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    | 0.0046                              | PASS    |
| 40               | Normal Voltage    | 0.0032                              |         |
| 30               | Normal Voltage    | 0.0018                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0017                              |         |
| 0                | Normal Voltage    | 0.0013                              |         |
| -10              | Normal Voltage    | 0.0029                              |         |
| -20              | Normal Voltage    | 0.0022                              |         |
| -30              | Normal Voltage    | 0.0018                              |         |
| 20               | Maximum Voltage   | 0.0017                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0006                              |         |

**Note:**

- 1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41C

## 26dB Bandwidth

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| QPSK      |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.63                       | 25.13       | 29.91       | 25.43       | 30.51       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.83                       | 24.98       | 30.09       | 35.11       | 39.80       |

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 16QAM     |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.93                       | 25.08       | 29.85       | 25.13       | 30.51       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.97                       | 24.88       | 29.97       | 34.90       | 39.80       |

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 64QAM     |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.83                       | 25.18       | 29.73       | 25.33       | 30.39       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.83                       | 24.83       | 29.97       | 34.83       | 39.96       |

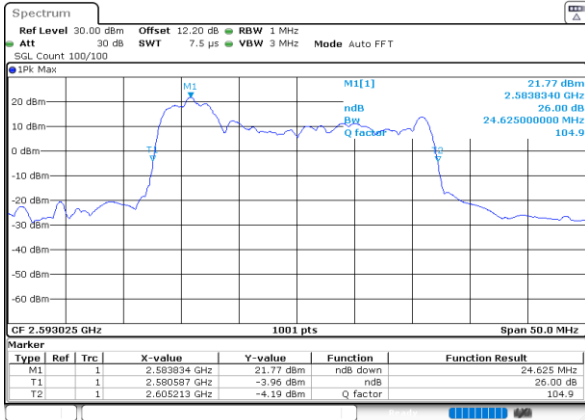
| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 256QAM    |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.83                       | 25.13       | 29.91       | 25.48       | 30.33       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.76                       | 24.88       | 30.03       | 35.18       | 39.80       |



LTE Band 41C

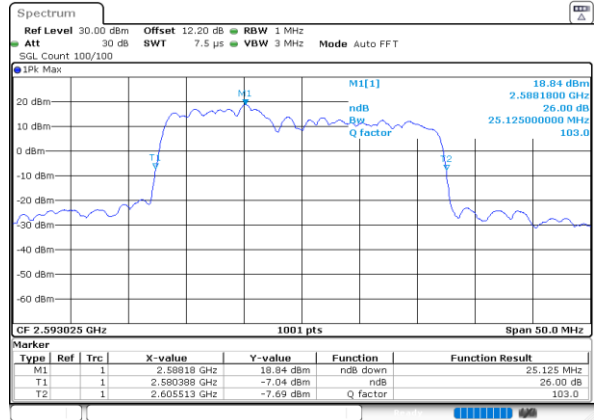
QPSK

Middle Channel / 5MHz+20MHz



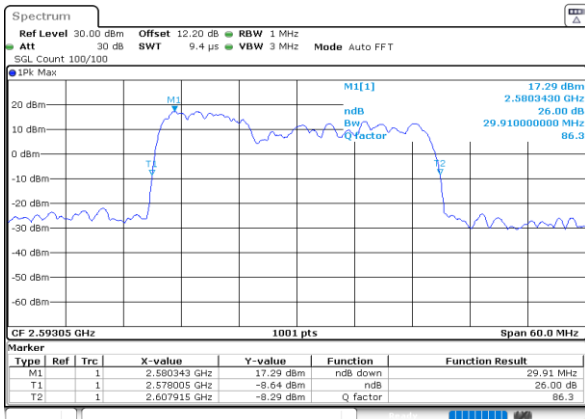
Date: 1.AUG.2023 14:13:10

Middle Channel / 10MHz+15MHz



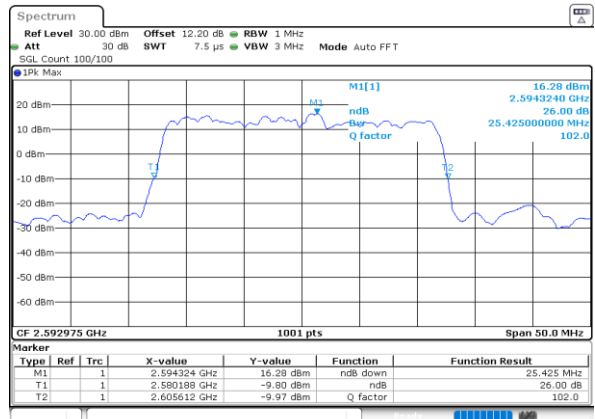
Date: 1.AUG.2023 14:23:43

Middle Channel / 10MHz+20MHz



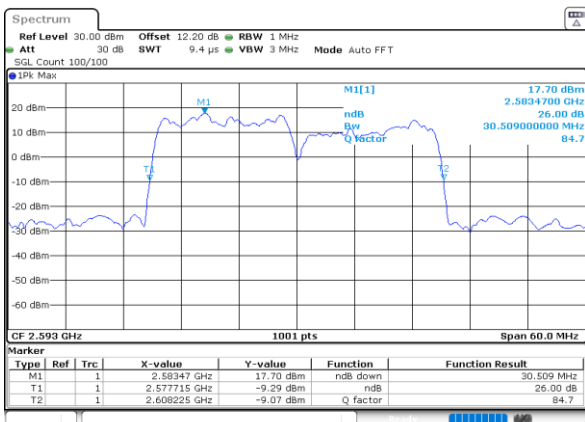
Date: 1.AUG.2023 14:14:22

Middle Channel / 15MHz+10MHz



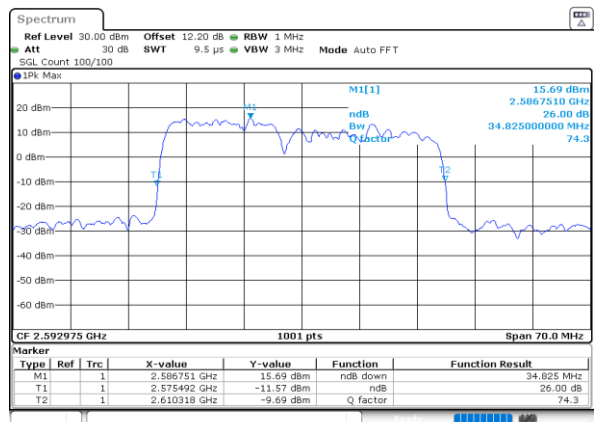
Date: 1.AUG.2023 14:29:04

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:44:05

Middle Channel / 15MHz+20MHz

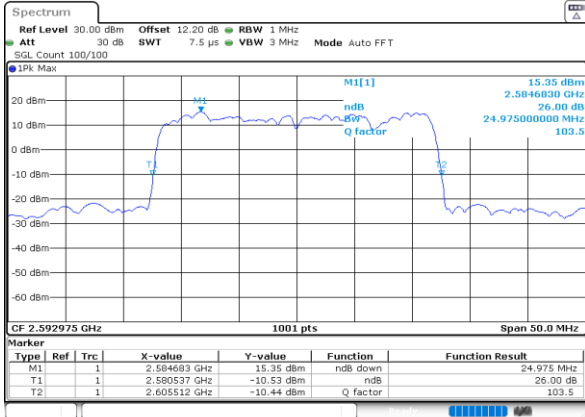


Date: 1.AUG.2023 14:49:30



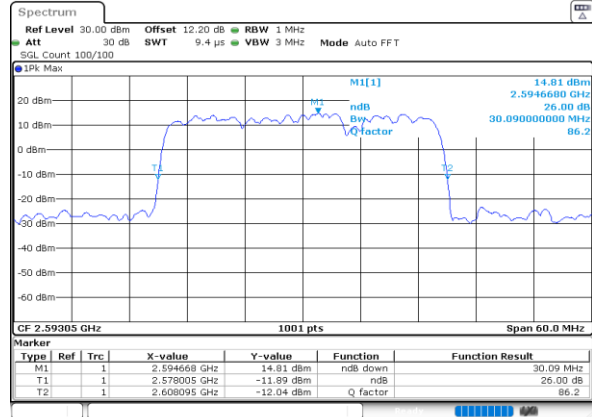
LTE Band 41C

Middle Channel / 20MHz+5MHz



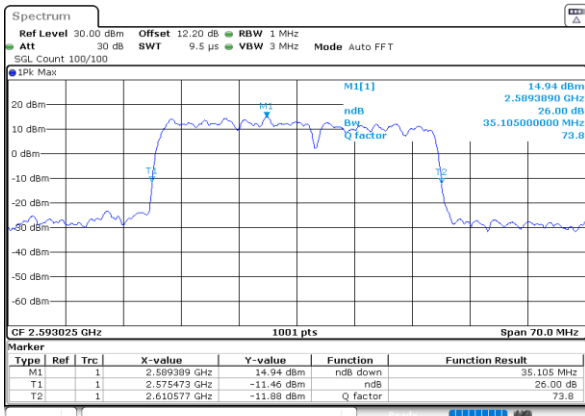
Date: 1.AUG.2023 14:18:27

Middle Channel / 20MHz+10MHz



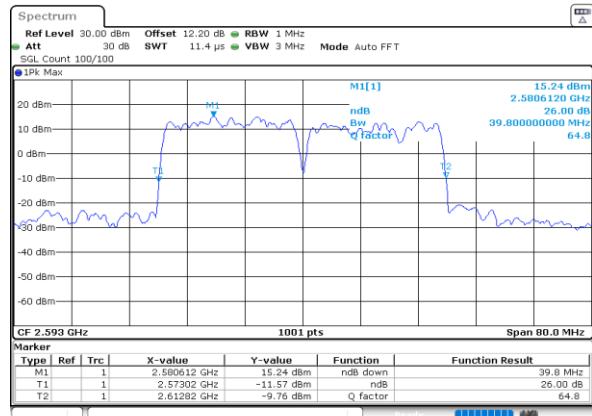
Date: 1.AUG.2023 14:39:24

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:15:42

Middle Channel / 20MHz+20MHz

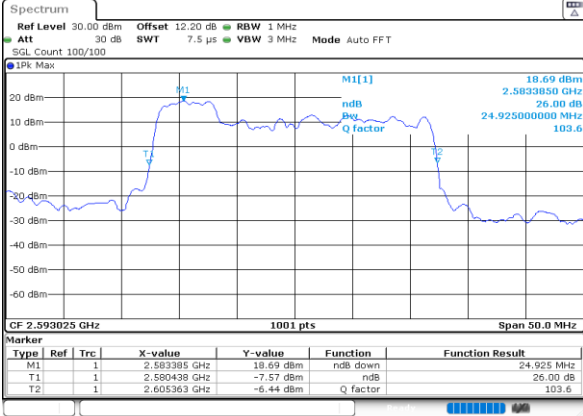


Date: 1.AUG.2023 14:59:28



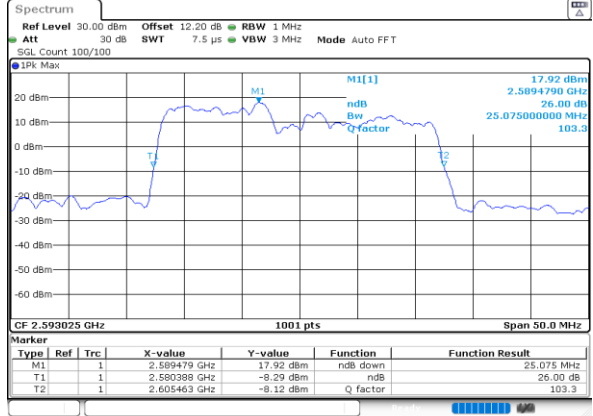
LTE Band 41C

Middle Channel / 5MHz+20MHz



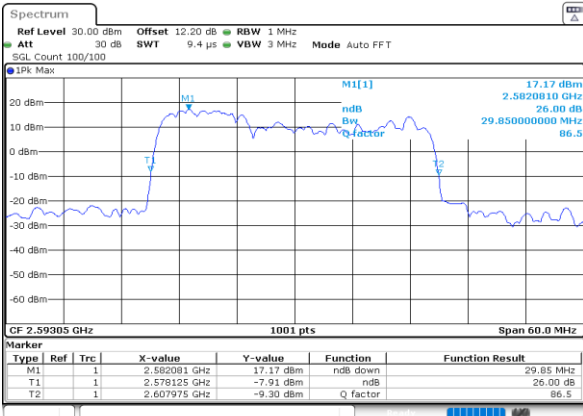
Date: 1.AUG.2023 14:12:00

Middle Channel / 10MHz+15MHz



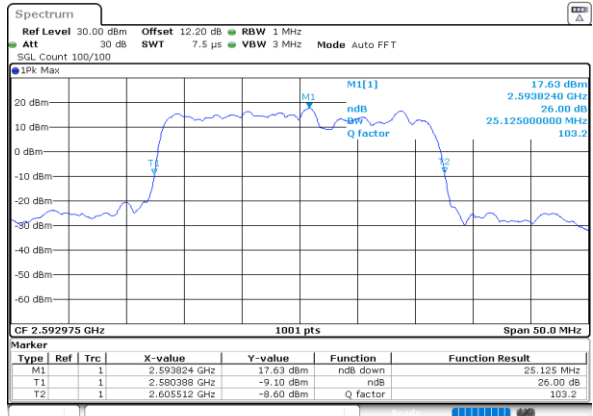
Date: 1.AUG.2023 14:23:06

Middle Channel / 10MHz+20MHz



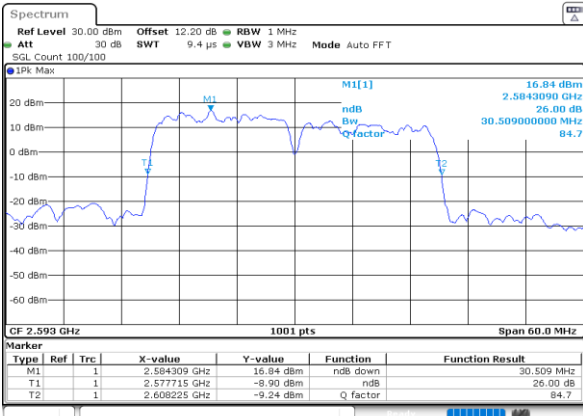
Date: 1.AUG.2023 14:33:45

Middle Channel / 15MHz+10MHz



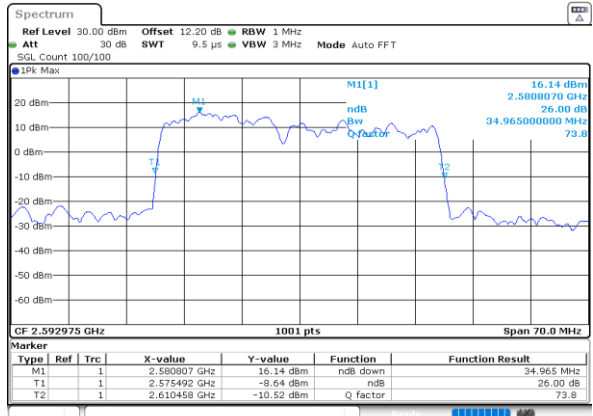
Date: 1.AUG.2023 14:28:27

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:43:33

Middle Channel / 15MHz+20MHz



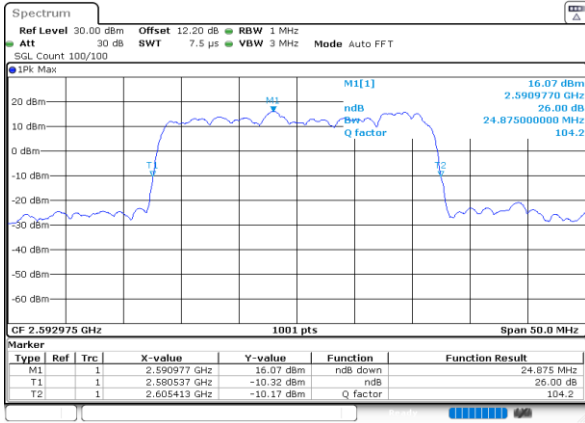
Date: 1.AUG.2023 14:48:53



LTE Band 41C

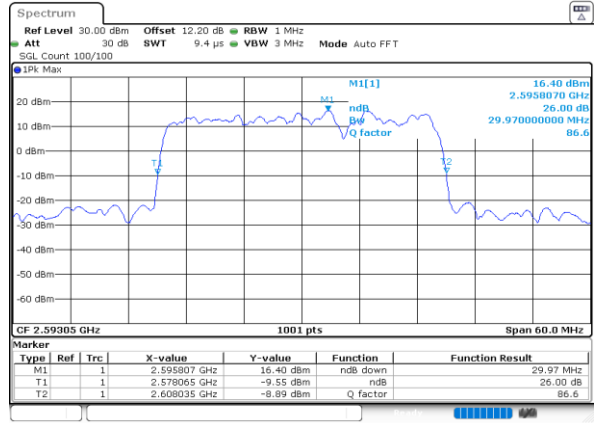
16QAM

Middle Channel / 20MHz+5MHz



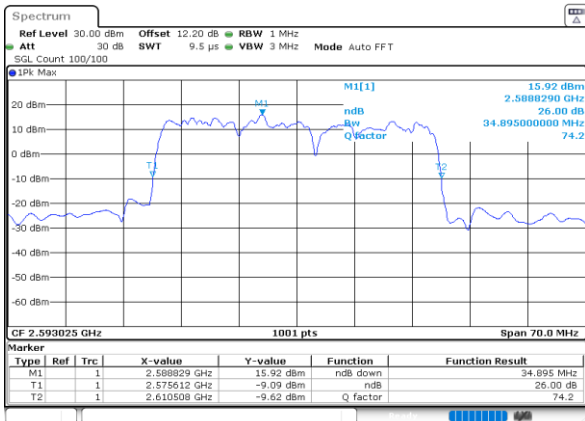
Date: 1.AUG.2023 14:17:51

Middle Channel / 20MHz+10MHz



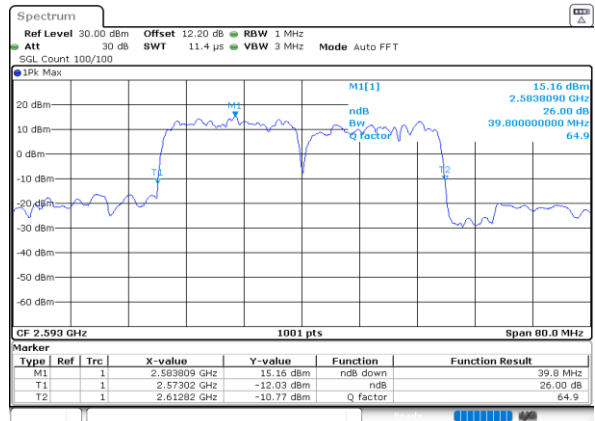
Date: 1.AUG.2023 14:38:47

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:54:05

Middle Channel / 20MHz+20MHz



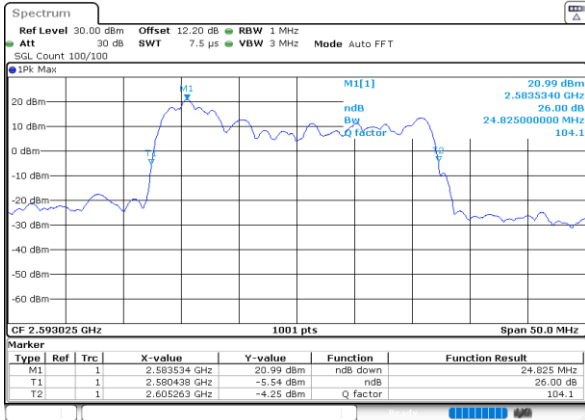
Date: 1.AUG.2023 14:58:56



LTE Band 41C

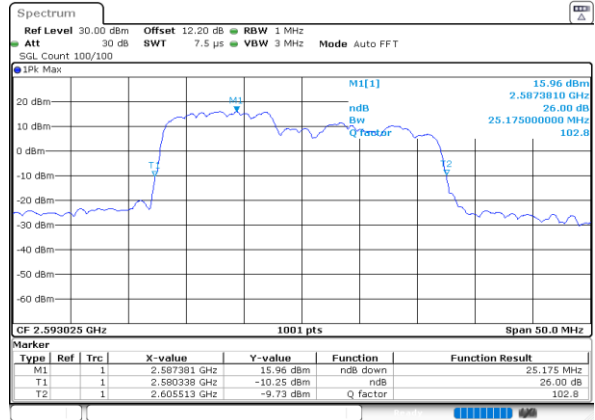
64QAM

Middle Channel / 5MHz+20MHz



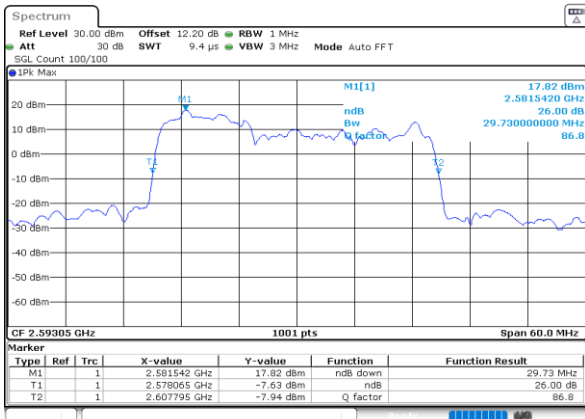
Date: 1.AUG.2023 14:11:23

Middle Channel / 10MHz+15MHz



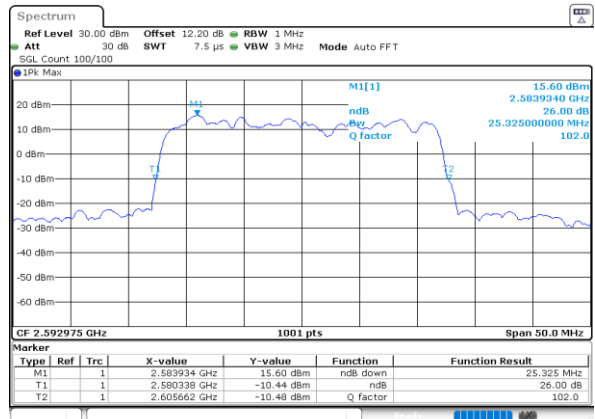
Date: 1.AUG.2023 14:22:29

Middle Channel / 10MHz+20MHz



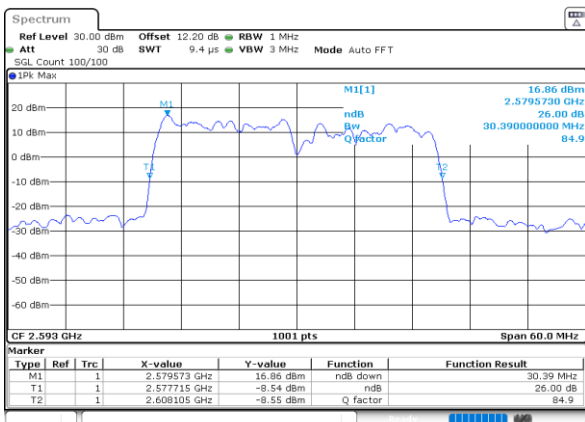
Date: 1.AUG.2023 14:33:06

Middle Channel / 15MHz+10MHz



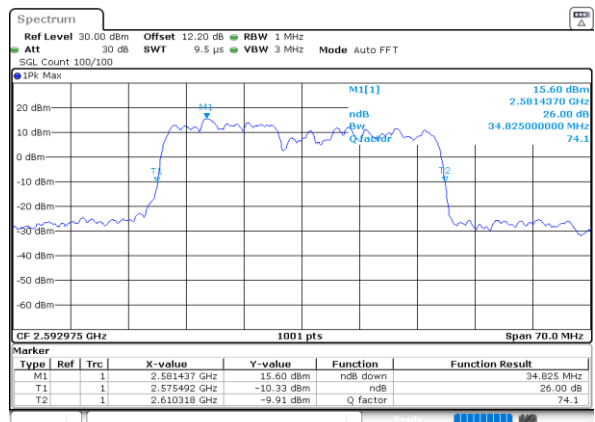
Date: 1.AUG.2023 14:27:51

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:43:01

Middle Channel / 15MHz+20MHz



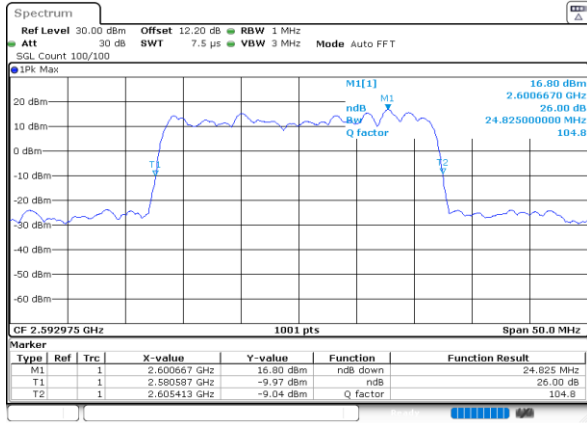
Date: 1.AUG.2023 14:46:16



LTE Band 41C

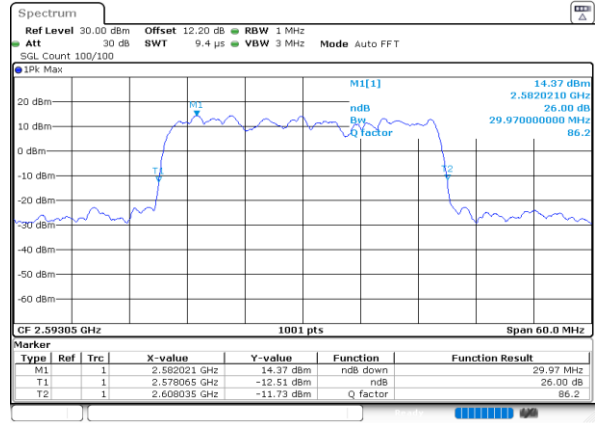
64QAM

Middle Channel / 20MHz+5MHz



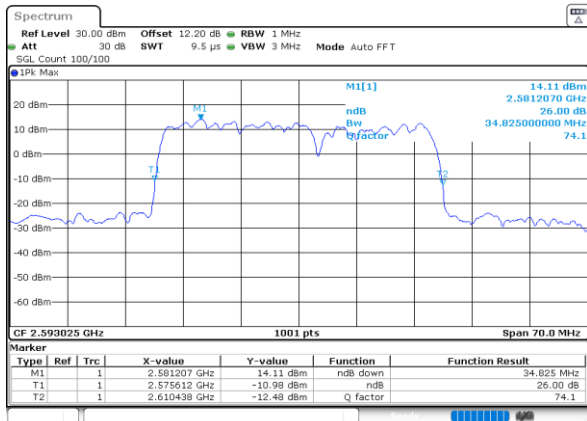
Date: 1.AUG.2023 14:17:14

Middle Channel / 20MHz+10MHz



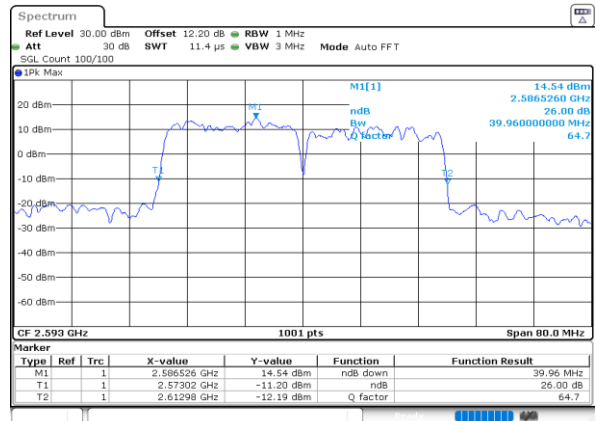
Date: 1.AUG.2023 14:38:11

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:53:28

Middle Channel / 20MHz+20MHz



Date: 1.AUG.2023 14:58:24

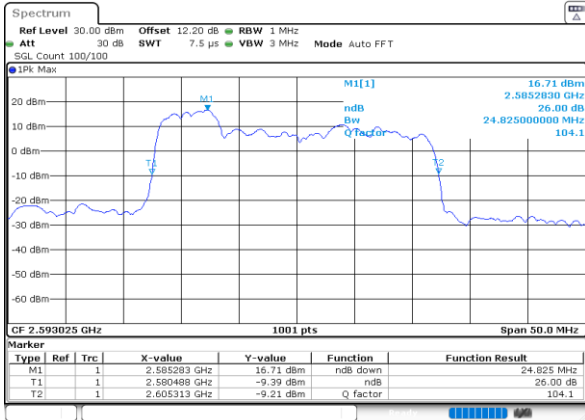




LTE Band 41C

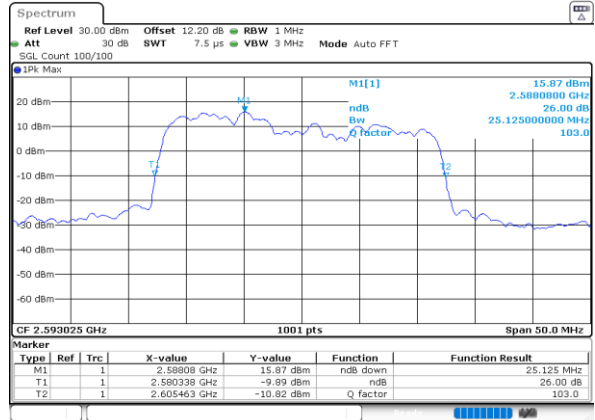
256QAM

Middle Channel / 5MHz+20MHz



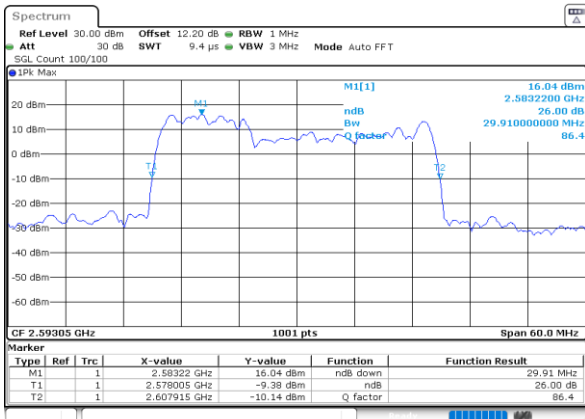
Date: 1.AUG.2023 14:10:46

Middle Channel / 10MHz+15MHz



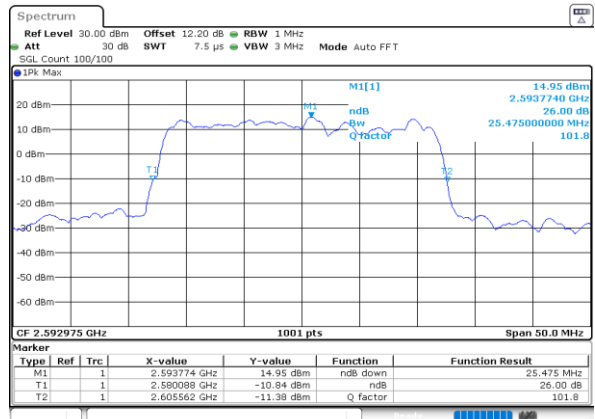
Date: 1.AUG.2023 14:21:53

Middle Channel / 10MHz+20MHz



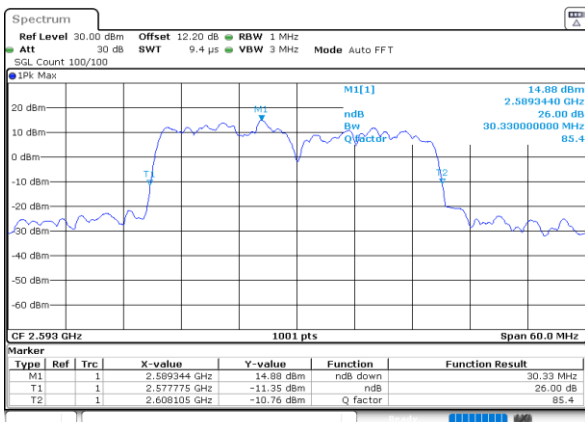
Date: 1.AUG.2023 14:32:29

Middle Channel / 15MHz+10MHz



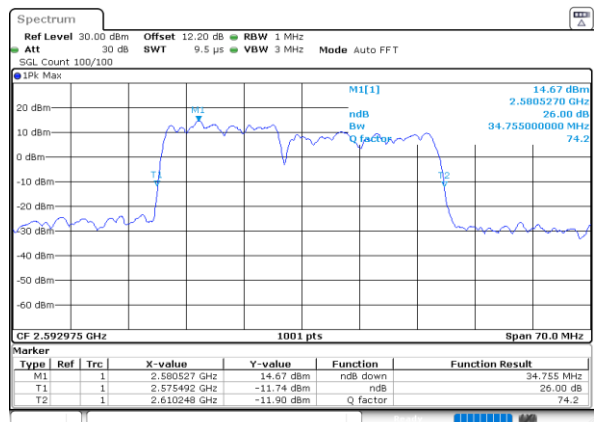
Date: 1.AUG.2023 14:27:14

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:42:30

Middle Channel / 15MHz+20MHz



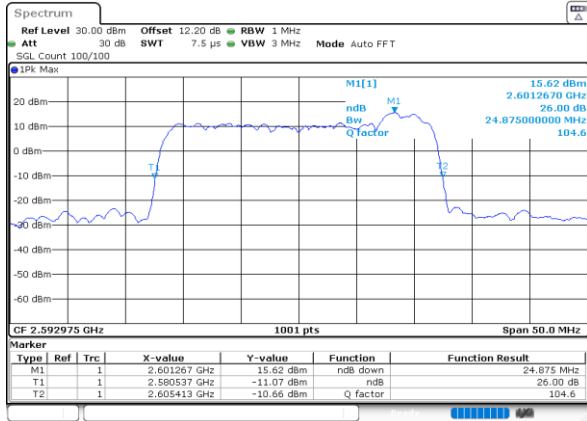
Date: 1.AUG.2023 14:47:39



LTE Band 41C

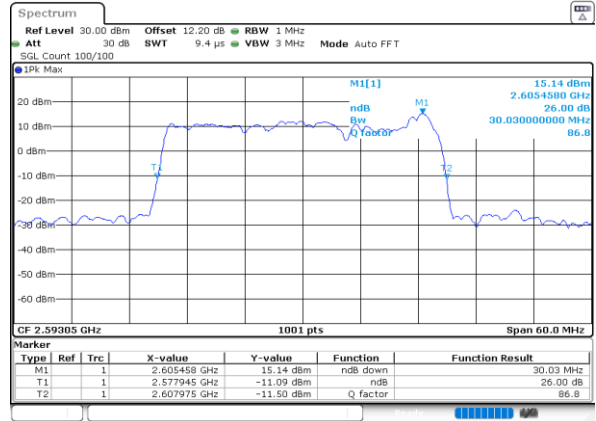
256QAM

Middle Channel / 20MHz+5MHz



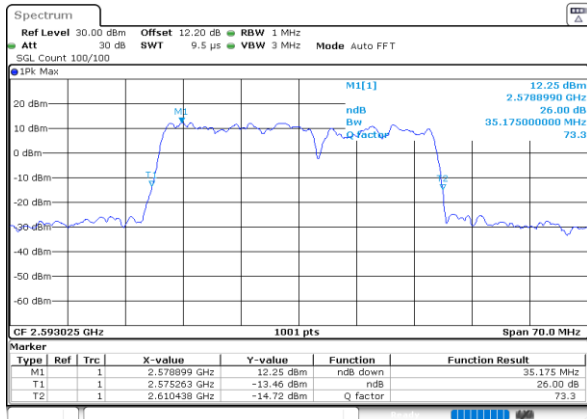
Date: 1.AUG.2023 14:16:37

Middle Channel / 20MHz+10MHz



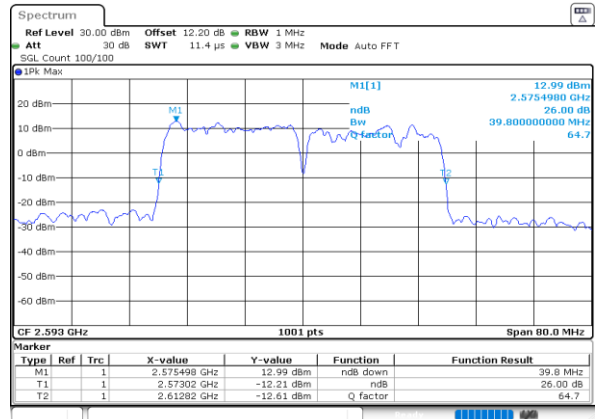
Date: 1.AUG.2023 14:37:34

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:52:51

Middle Channel / 20MHz+20MHz



Date: 1.AUG.2023 14:57:52



Occupied Bandwidth

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| QPSK      |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.48                      | 23.33       | 27.99       | 23.58       | 28.23       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.59                      | 23.33       | 28.17       | 32.87       | 37.88       |

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 16QAM     |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.03                      | 23.48       | 28.17       | 23.38       | 28.53       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.66                      | 23.28       | 28.05       | 32.87       | 37.72       |

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 64QAM     |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.28                      | 23.53       | 28.17       | 23.18       | 28.65       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.87                      | 23.28       | 28.23       | 32.87       | 37.96       |

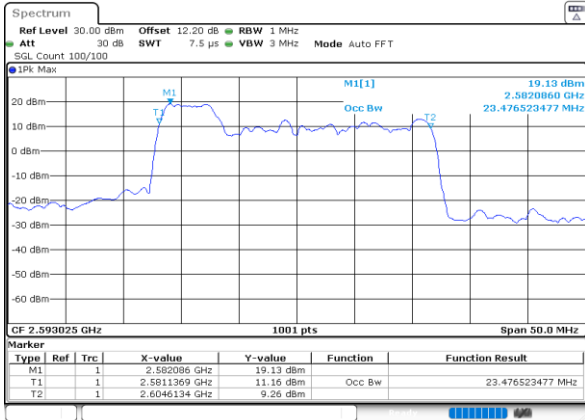
| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 256QAM    |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.38                      | 23.33       | 27.93       | 23.53       | 28.53       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 33.01                      | 23.28       | 27.93       | 32.80       | 37.88       |



LTE Band 41C

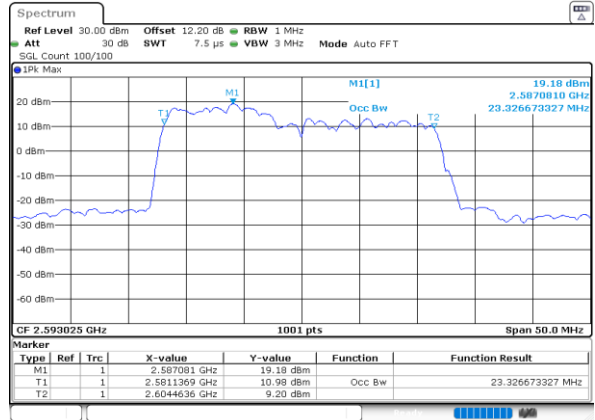
QPSK

Middle Channel / 5MHz+20MHz



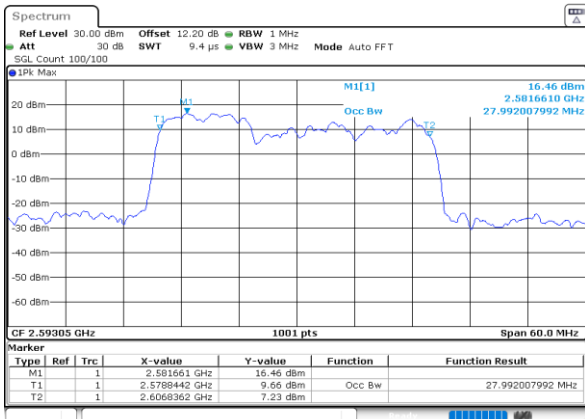
Date: 1.AUG.2023 14:06:33

Middle Channel / 10MHz+15MHz



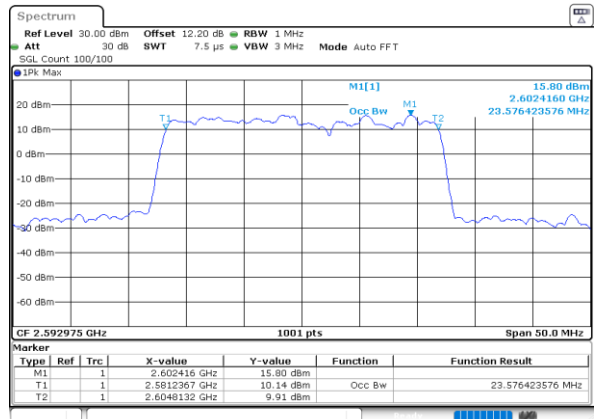
Date: 1.AUG.2023 14:19:26

Middle Channel / 10MHz+20MHz



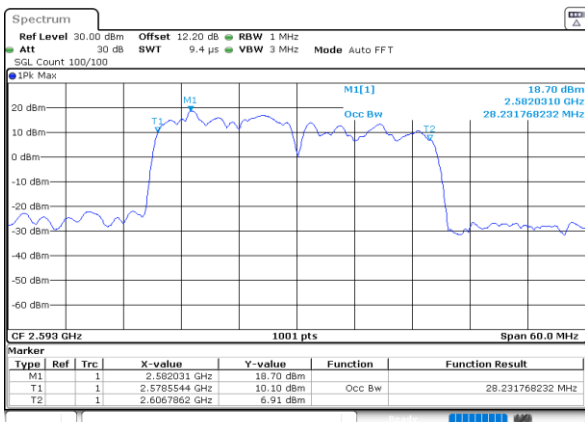
Date: 1.AUG.2023 14:30:02

Middle Channel / 15MHz+10MHz



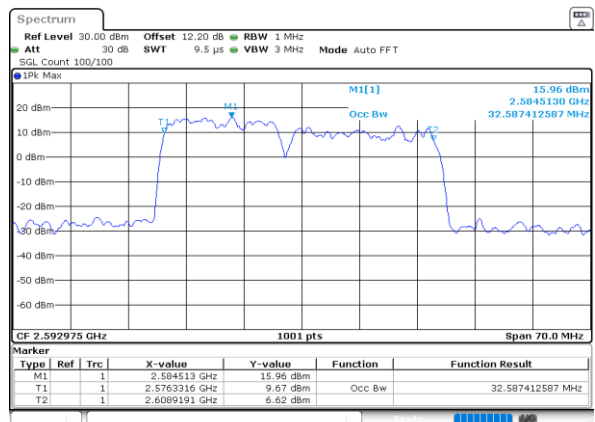
Date: 1.AUG.2023 14:24:48

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:40:24

Middle Channel / 15MHz+20MHz



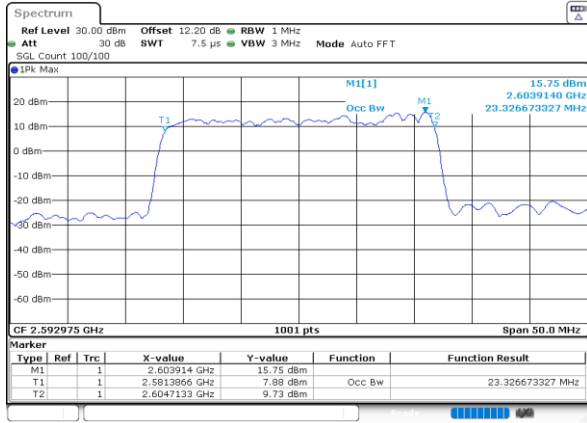
Date: 1.AUG.2023 14:45:14



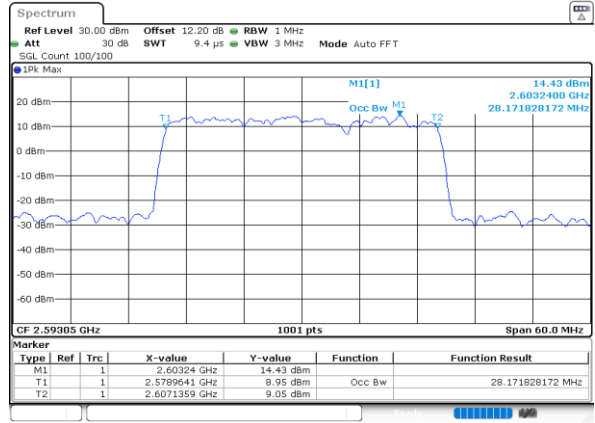
LTE Band 41C

QPSK

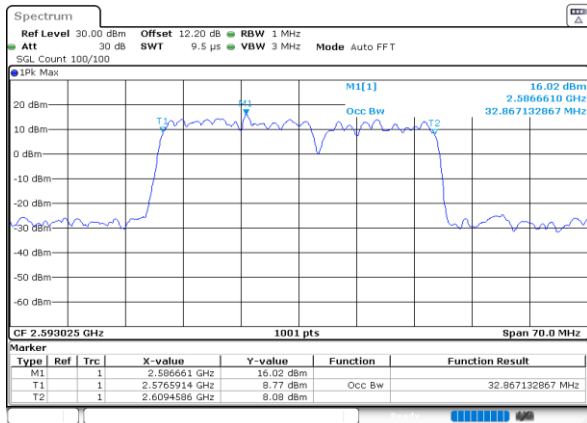
Middle Channel / 20MHz+5MHz



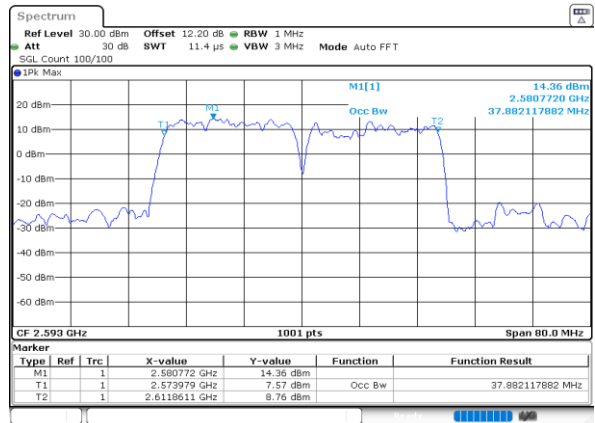
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

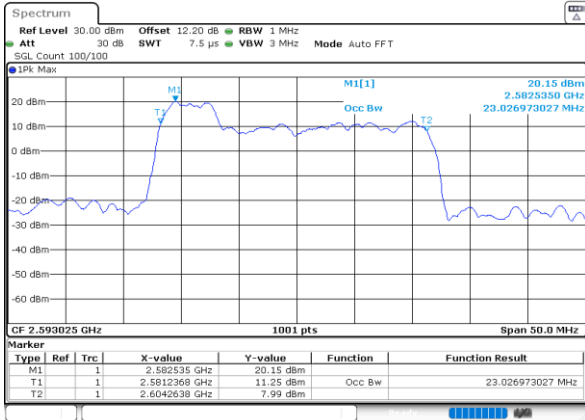




LTE Band 41C

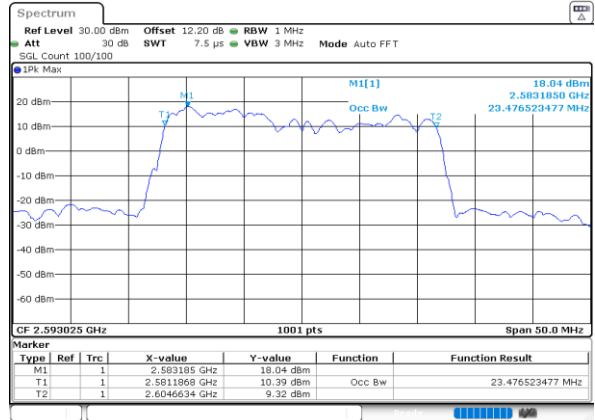
16QAM

Middle Channel / 5MHz+20MHz



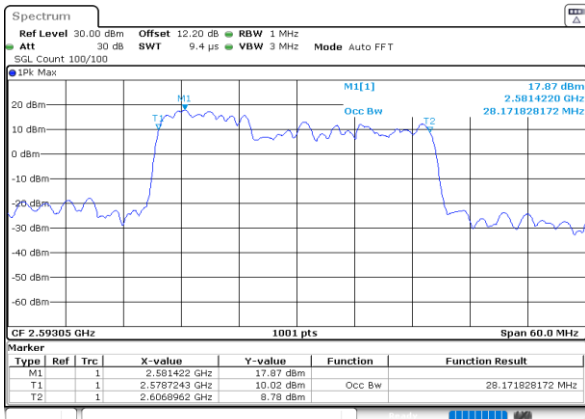
Date: 1.AUG.2023 14:08:24

Middle Channel / 10MHz+15MHz



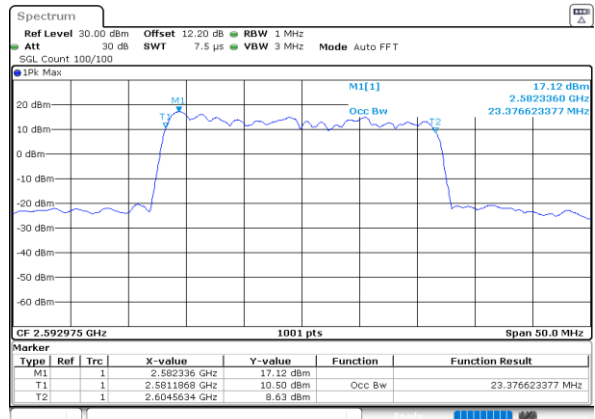
Date: 1.AUG.2023 14:20:03

Middle Channel / 10MHz+20MHz



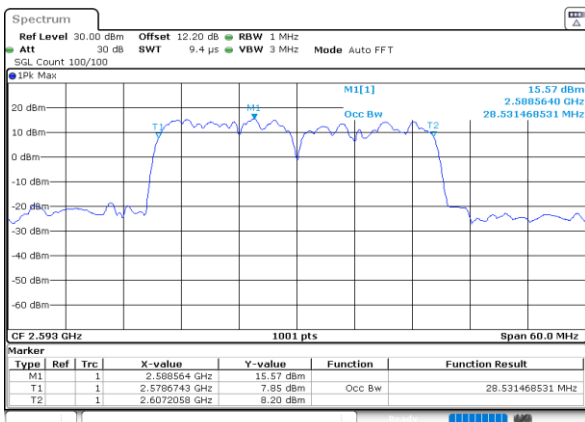
Date: 1.AUG.2023 14:30:39

Middle Channel / 15MHz+10MHz



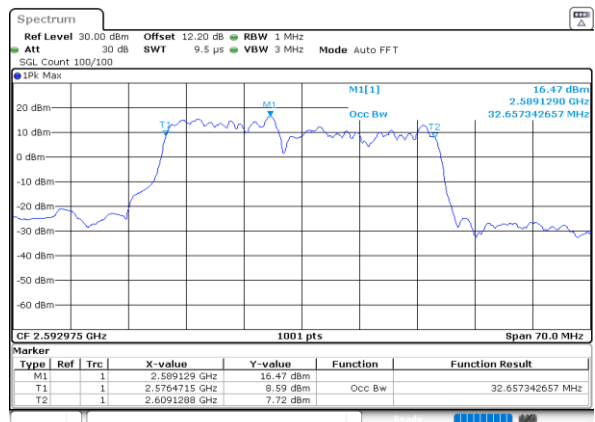
Date: 1.AUG.2023 14:25:25

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:40:55

Middle Channel / 15MHz+20MHz



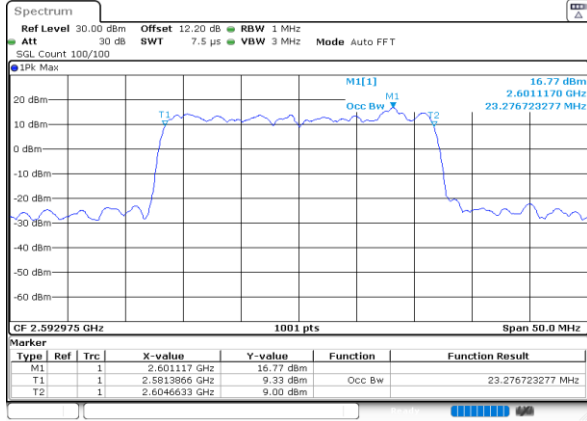
Date: 1.AUG.2023 14:45:50



LTE Band 41C

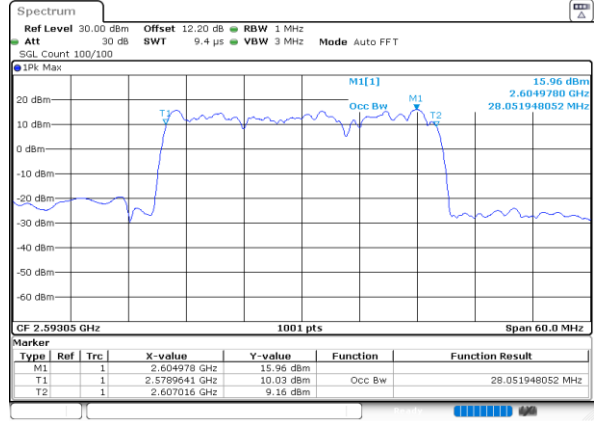
16QAM

Middle Channel / 20MHz+5MHz



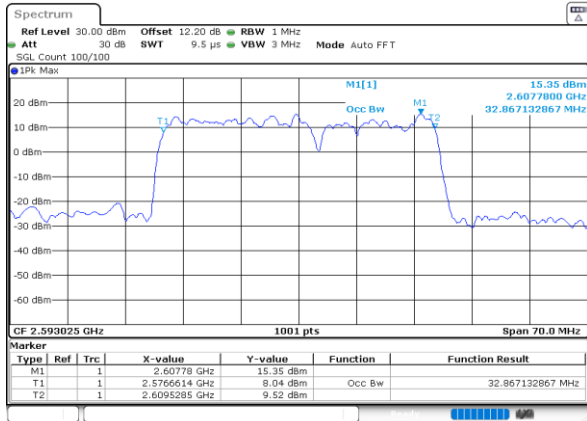
Date: 1.AUG.2023 14:14:48

Middle Channel / 20MHz+10MHz



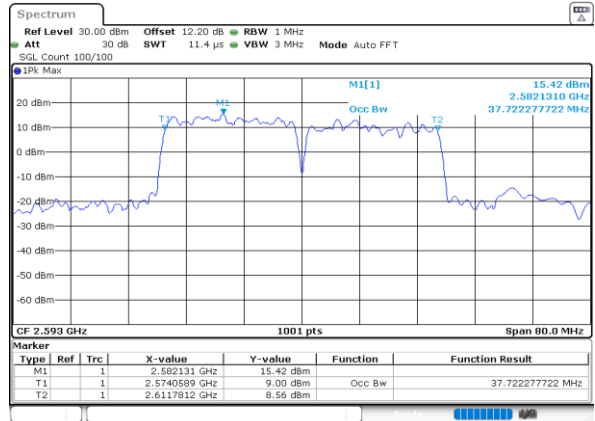
Date: 1.AUG.2023 14:35:45

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:51:02

Middle Channel / 20MHz+20MHz



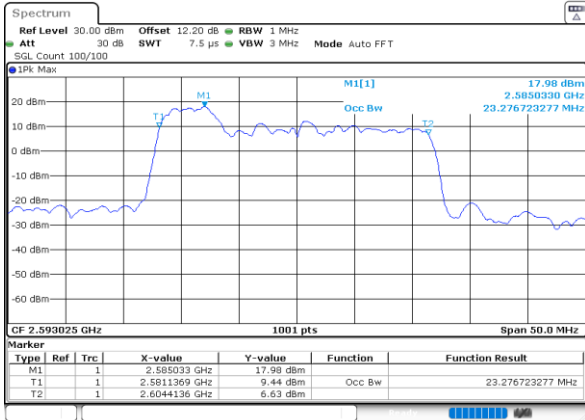
Date: 1.AUG.2023 14:56:17



LTE Band 41C

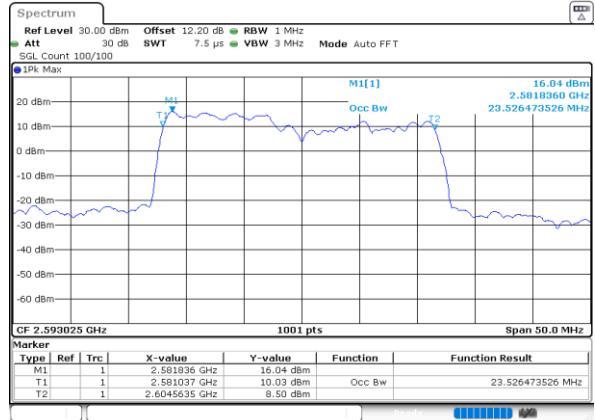
64QAM

Middle Channel / 5MHz+20MHz



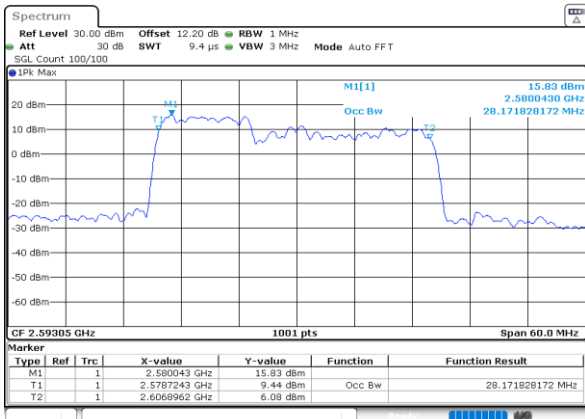
Date: 1.AUG.2023 14:09:00

Middle Channel / 10MHz+15MHz



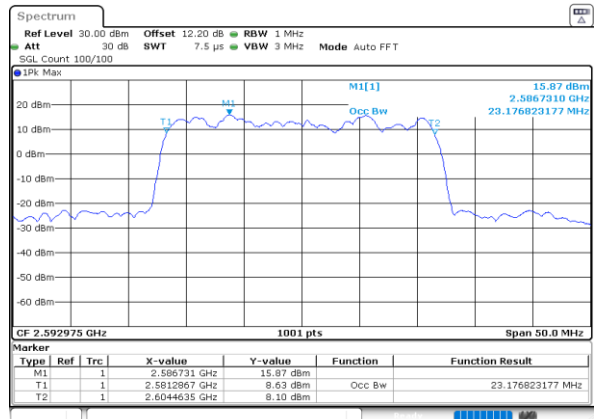
Date: 1.AUG.2023 14:20:40

Middle Channel / 10MHz+20MHz



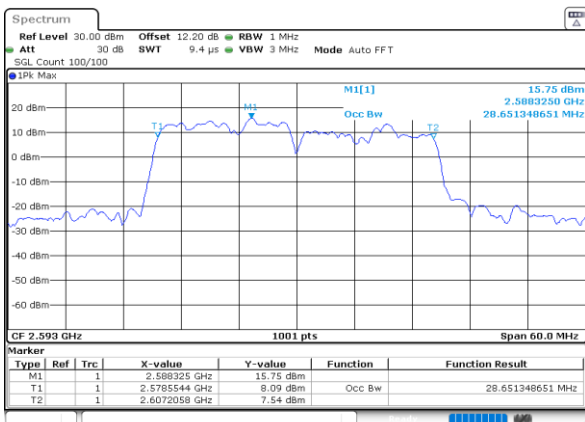
Date: 1.AUG.2023 14:31:16

Middle Channel / 15MHz+10MHz



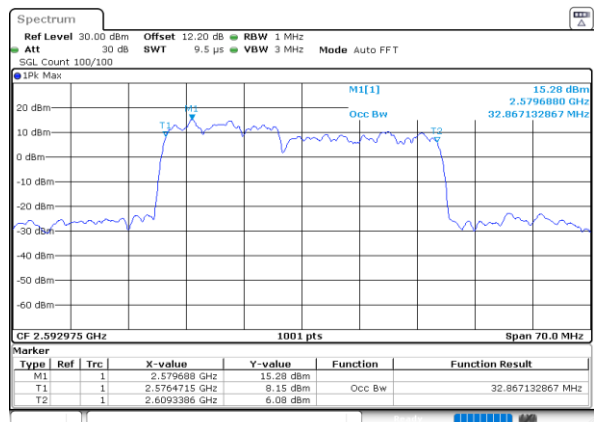
Date: 1.AUG.2023 14:26:01

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:41:27

Middle Channel / 15MHz+20MHz



Date: 1.AUG.2023 14:46:27

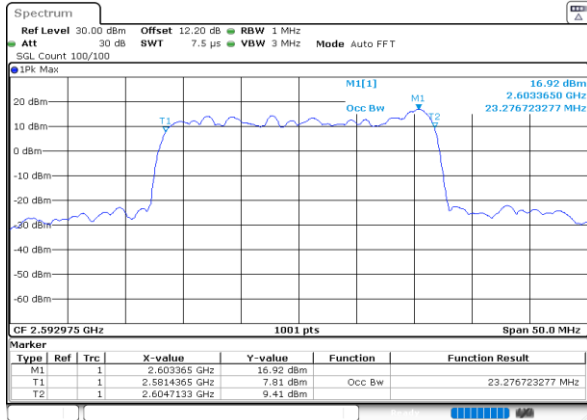




LTE Band 41C

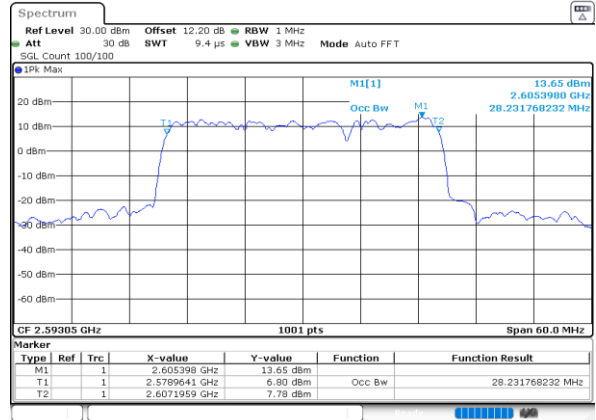
64QAM

Middle Channel / 20MHz+5MHz



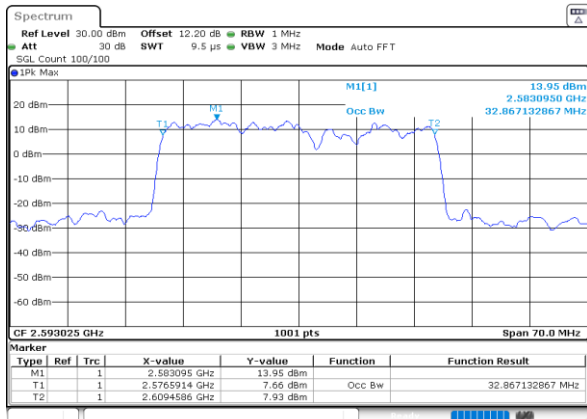
Date: 1.AUG.2023 14:15:25

Middle Channel / 20MHz+10MHz



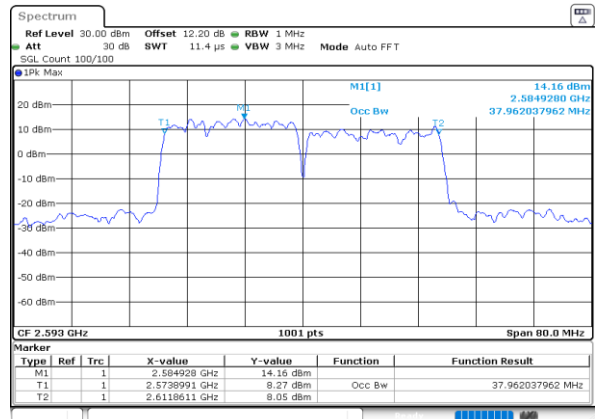
Date: 1.AUG.2023 14:16:22

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:15:19

Middle Channel / 20MHz+20MHz



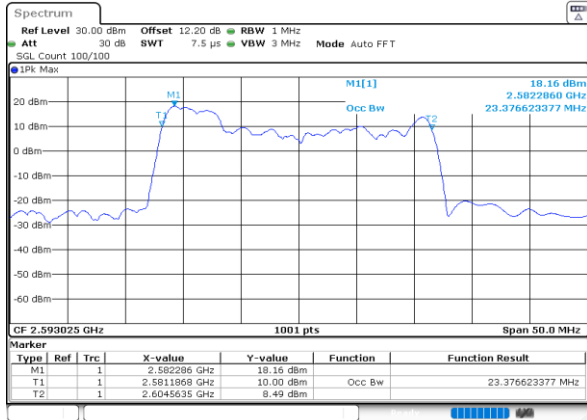
Date: 1.AUG.2023 14:16:49



LTE Band 41C

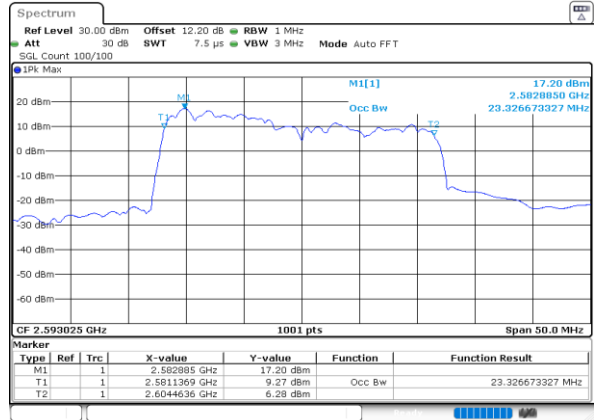
256QAM

Middle Channel / 5MHz+20MHz



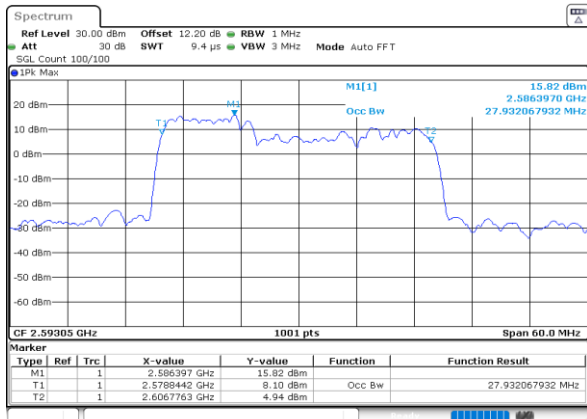
Date: 1.AUG.2023 14:09:37

Middle Channel / 10MHz+15MHz



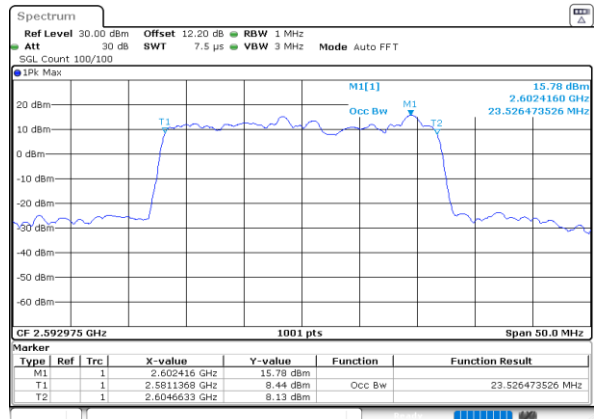
Date: 1.AUG.2023 14:21:17

Middle Channel / 10MHz+20MHz



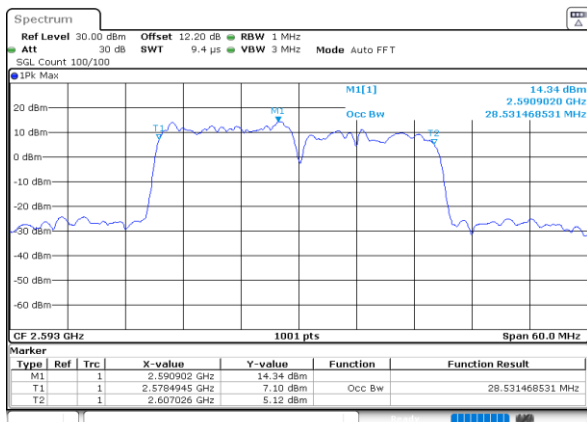
Date: 1.AUG.2023 14:31:53

Middle Channel / 15MHz+10MHz



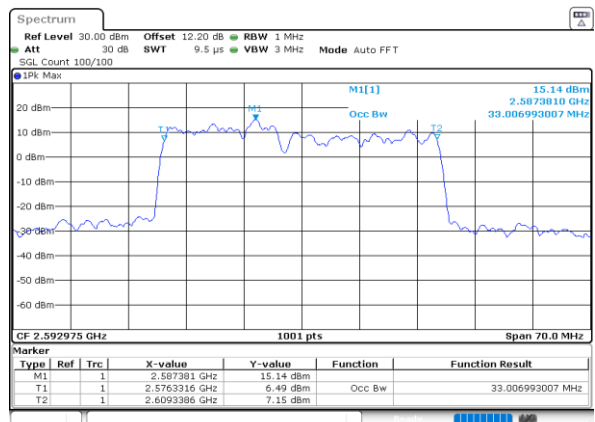
Date: 1.AUG.2023 14:26:38

Middle Channel / 15MHz+15MHz



Date: 1.AUG.2023 14:41:59

Middle Channel / 15MHz+20MHz



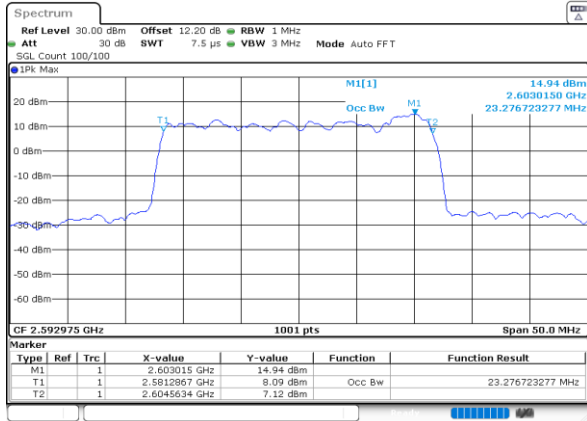
Date: 1.AUG.2023 14:47:03



LTE Band 41C

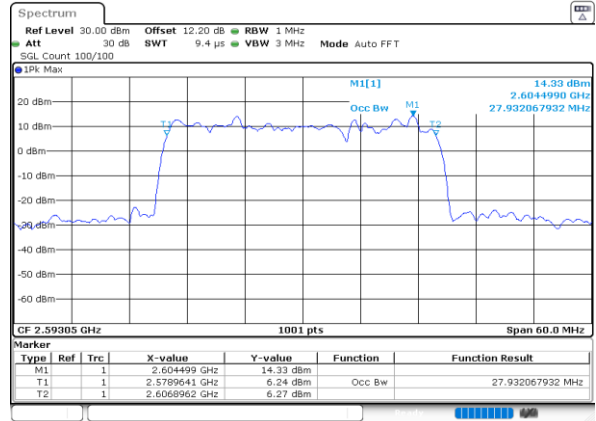
256QAM

Middle Channel / 20MHz+5MHz



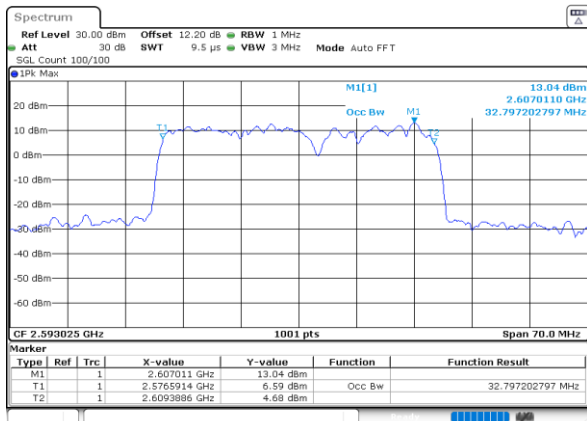
Date: 1.AUG.2023 14:16:01

Middle Channel / 20MHz+10MHz



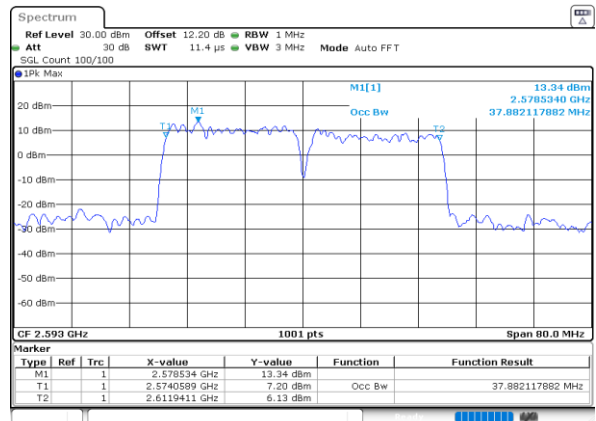
Date: 1.AUG.2023 14:36:58

Middle Channel / 20MHz+15MHz



Date: 1.AUG.2023 14:52:16

Middle Channel / 20MHz+20MHz



Date: 1.AUG.2023 14:57:21



**Conducted Band Edge**

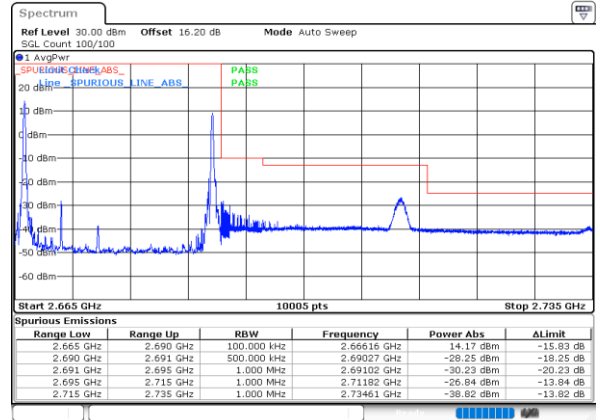
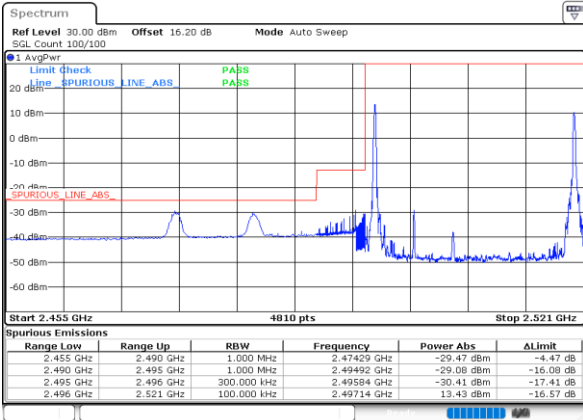


LTE Band 41C / 5MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

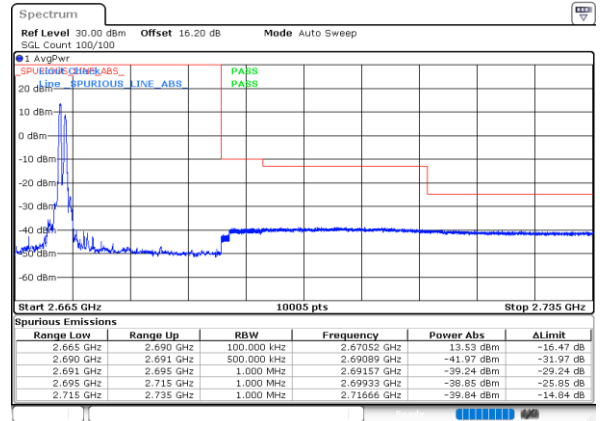
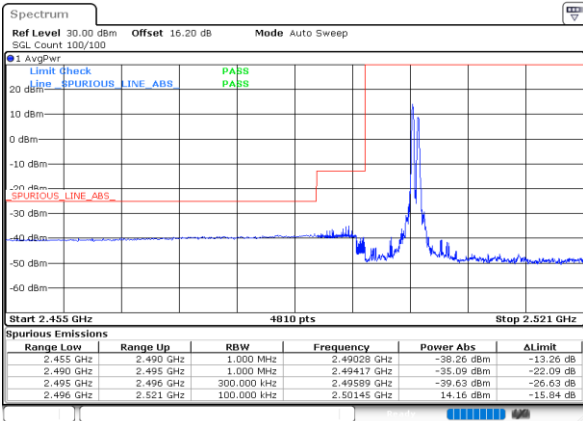


Date: 18\_JUL\_2023 20:22:29

Date: 18\_JUL\_2023 20:05:47

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

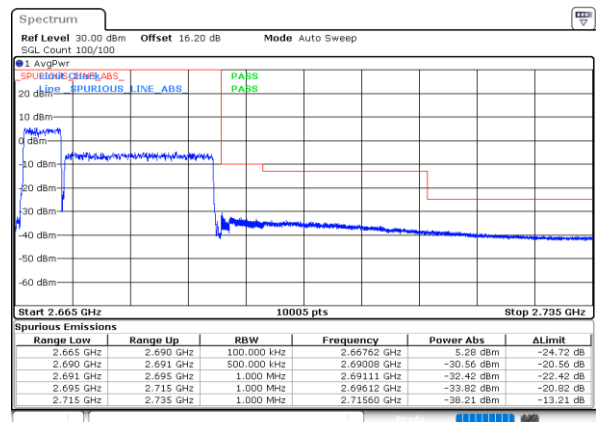
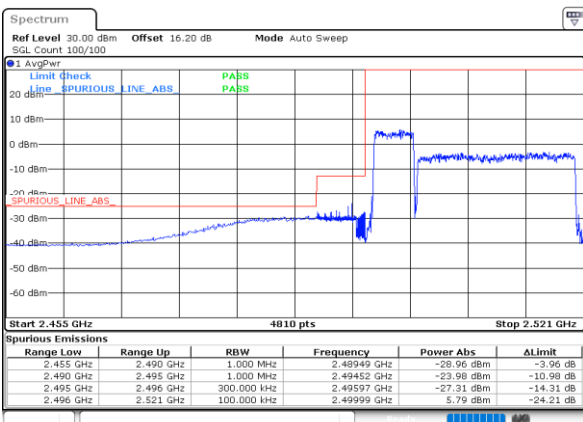


Date: 18\_JUL\_2023 20:27:04

Date: 18\_JUL\_2023 20:10:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18\_JUL\_2023 20:16:27

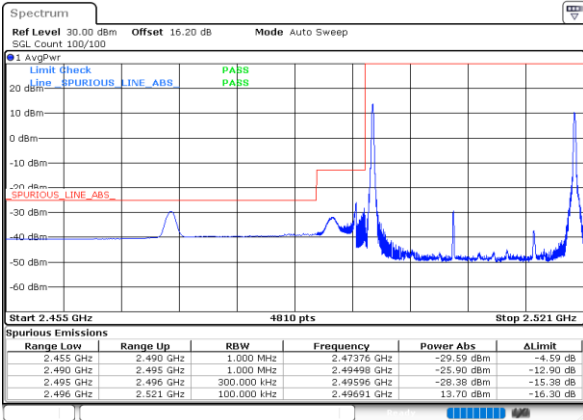
Date: 18\_JUL\_2023 19:59:56



LTE Band 41C / 10MHz+15MHz

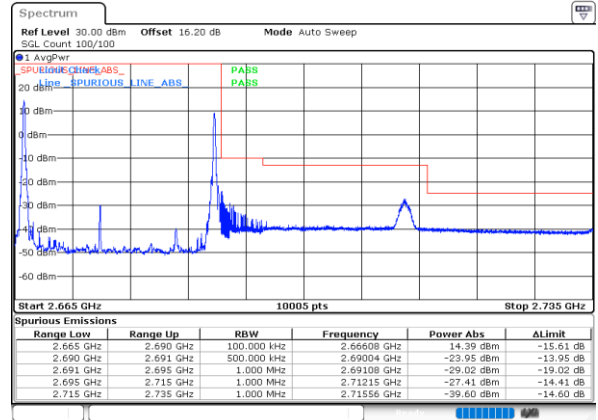
QPSK

Lowest Band Edge / 1RB0 and 1RB74



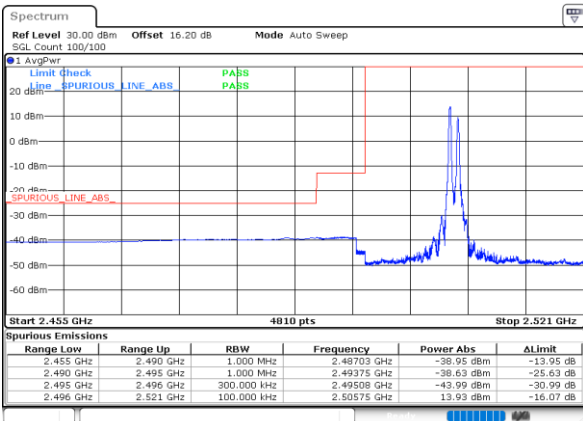
Date: 18\_JUL\_2023 21:07:45

Highest Band Edge / 1RB0 and 1RB74



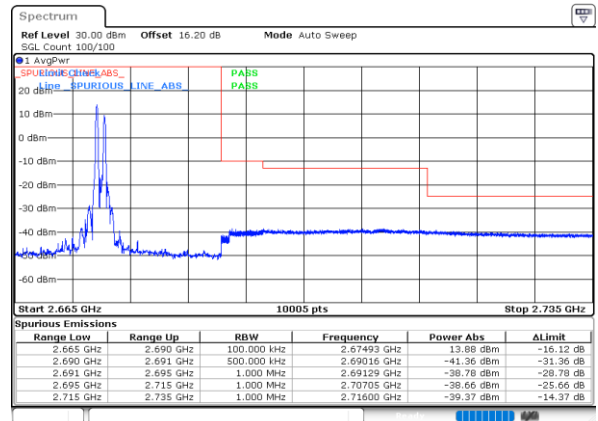
Date: 18\_JUL\_2023 20:51:07

Lowest Band Edge / 1RB49 and 1RB0



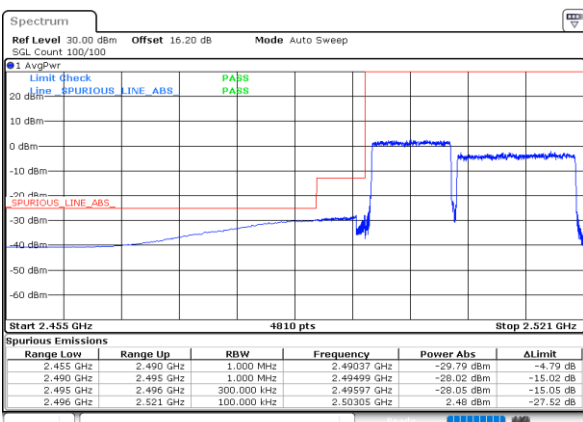
Date: 18\_JUL\_2023 21:12:21

Highest Band Edge / 1RB49 and 1RB0



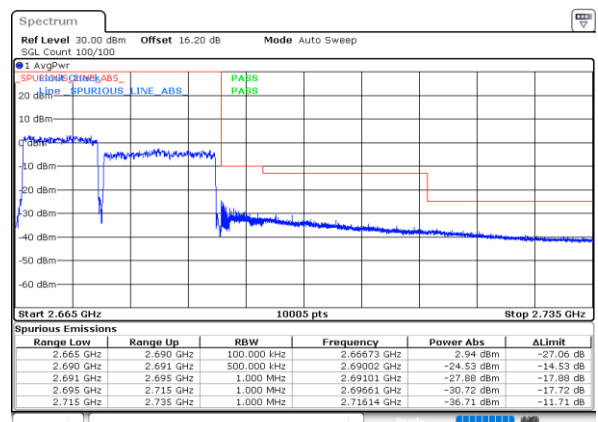
Date: 18\_JUL\_2023 20:55:39

Lowest Band Edge / Full RB



Date: 18\_JUL\_2023 21:01:54

Highest Band Edge / Full RB



Date: 18\_JUL\_2023 20:45:15