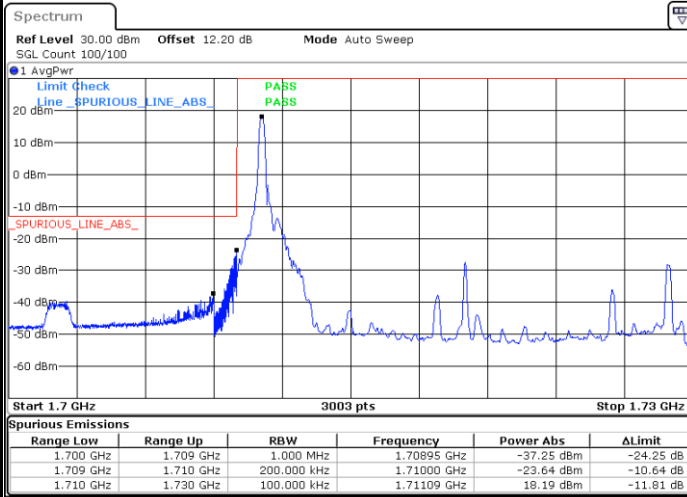




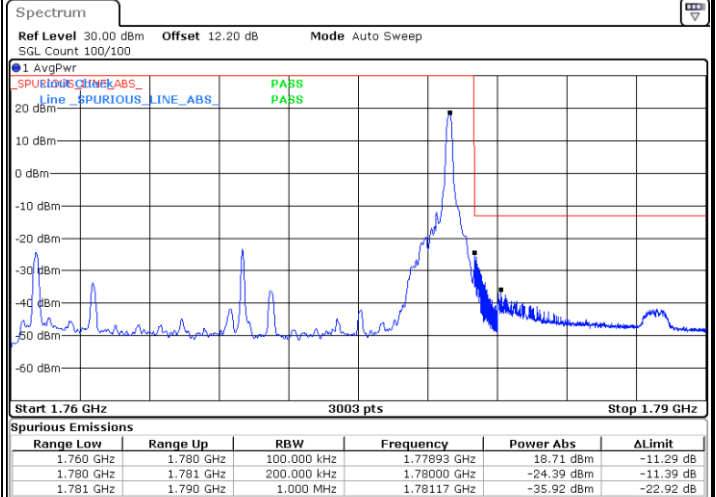
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



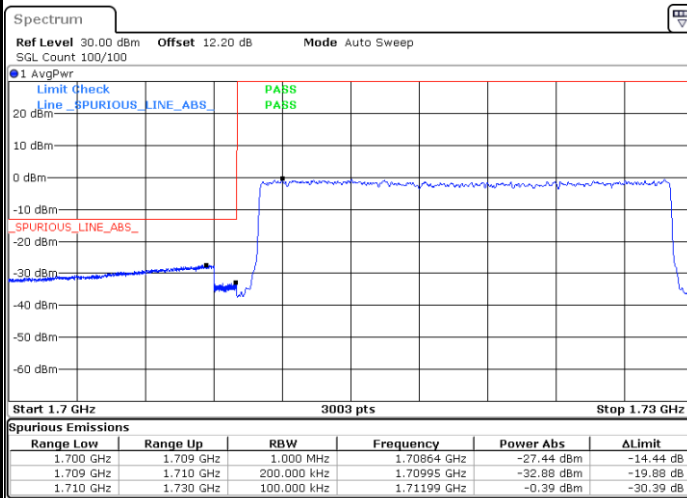
Date: 4.FEB.2022 17:37:35

Highest Band Edge / 1 RB



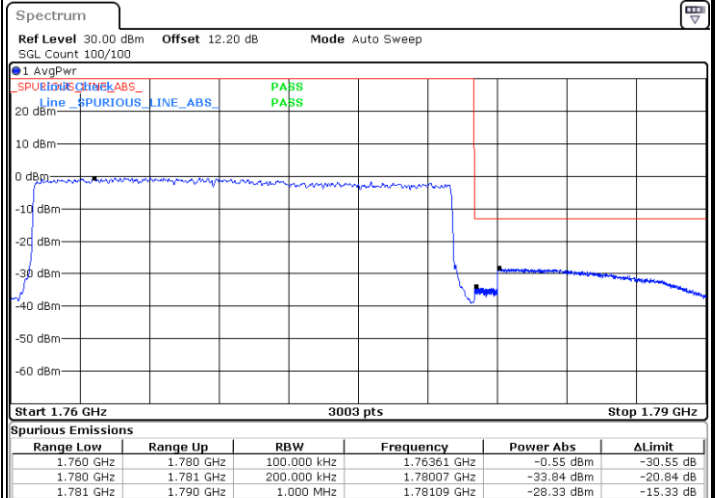
Date: 4.FEB.2022 17:49:30

Lowest Band Edge / Full RB



Date: 4.FEB.2022 17:40:57

Highest Band Edge / Full RB

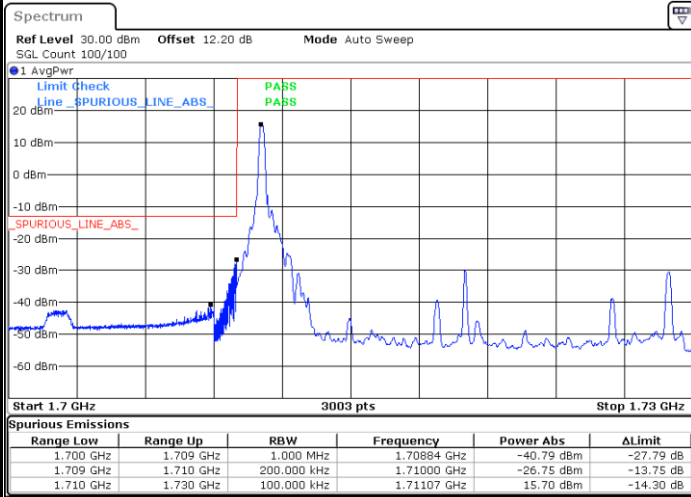


Date: 4.FEB.2022 17:52:52



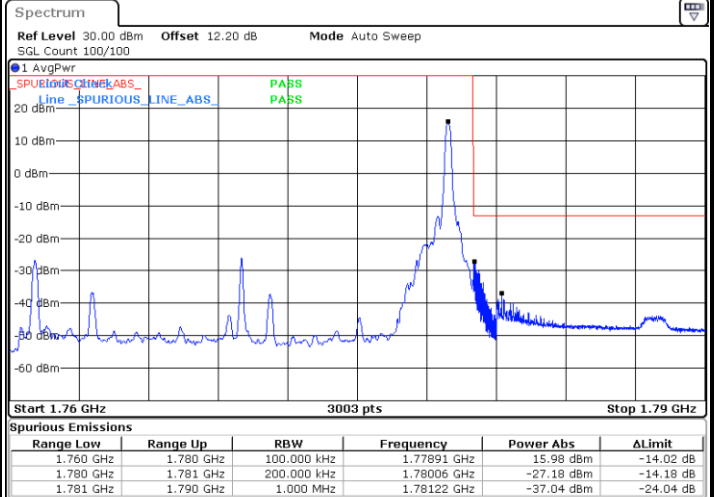
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



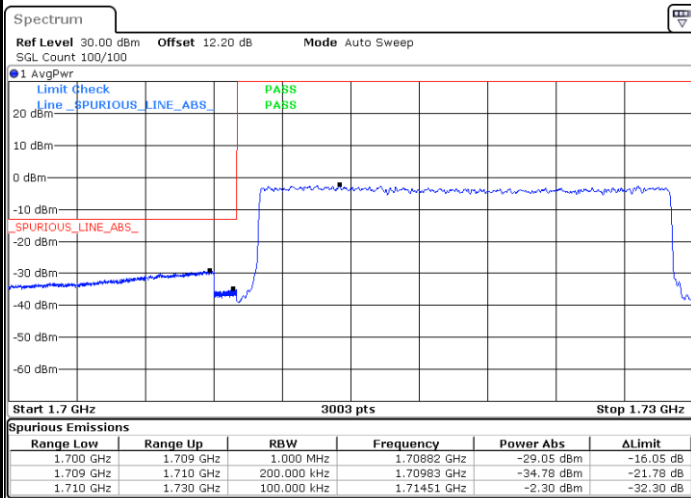
Date: 4.FEB.2022 17:38:25

Highest Band Edge / 1 RB



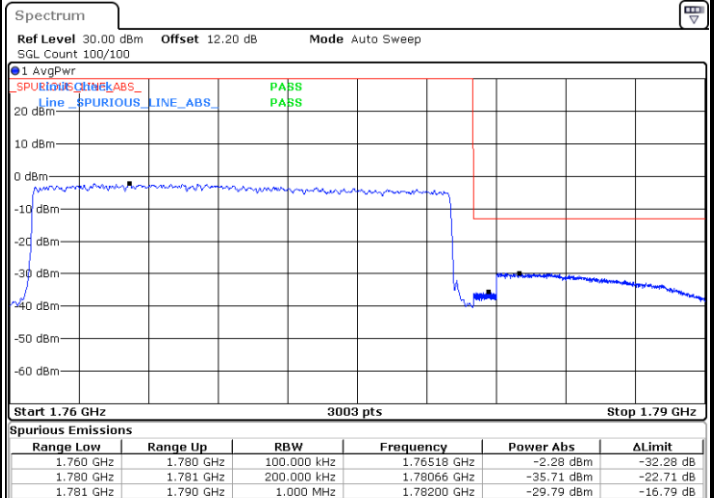
Date: 4.FEB.2022 17:50:21

Lowest Band Edge / Full RB



Date: 4.FEB.2022 17:41:47

Highest Band Edge / Full RB



Date: 4.FEB.2022 17:53:43

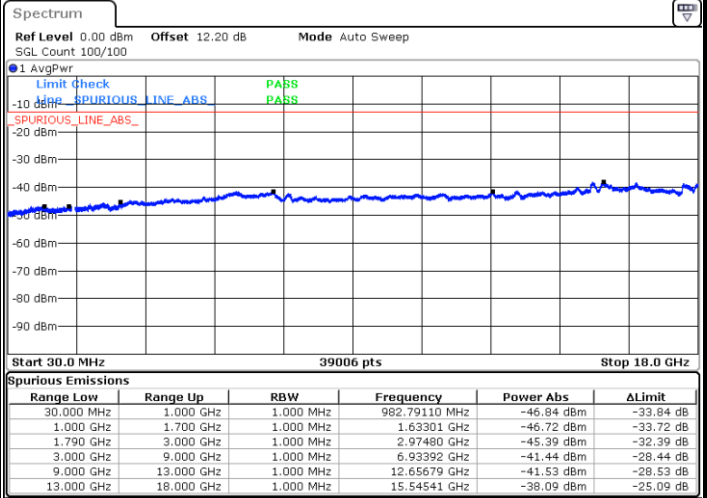
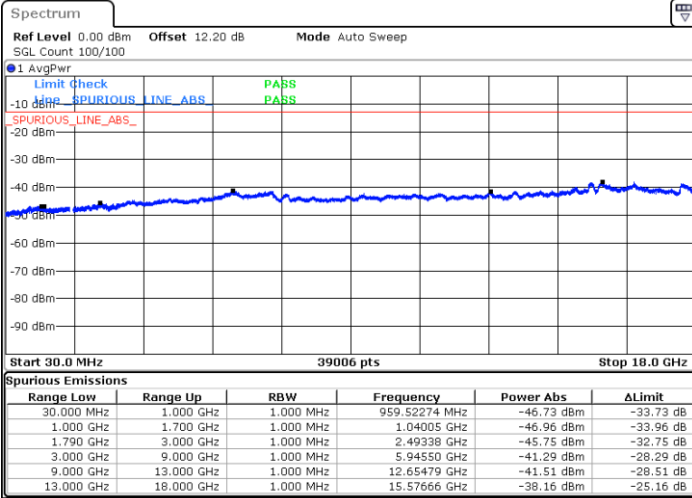


# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

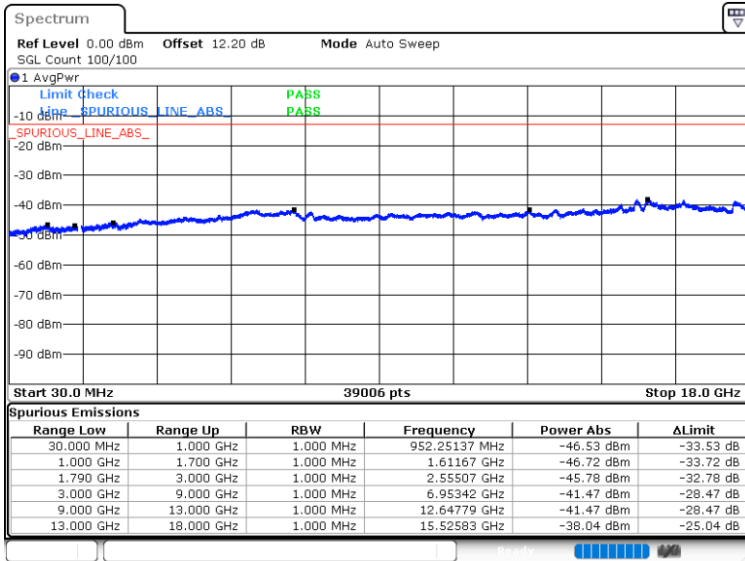
### Middle Channel / QPSK



Date: 4.FEB.2022 15:50:35

Date: 4.FEB.2022 16:00:31

### Highest Channel / QPSK



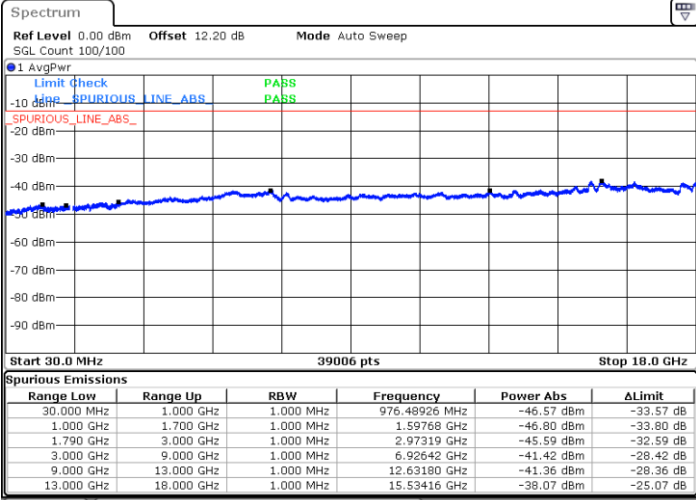
Date: 4.FEB.2022 16:01:41



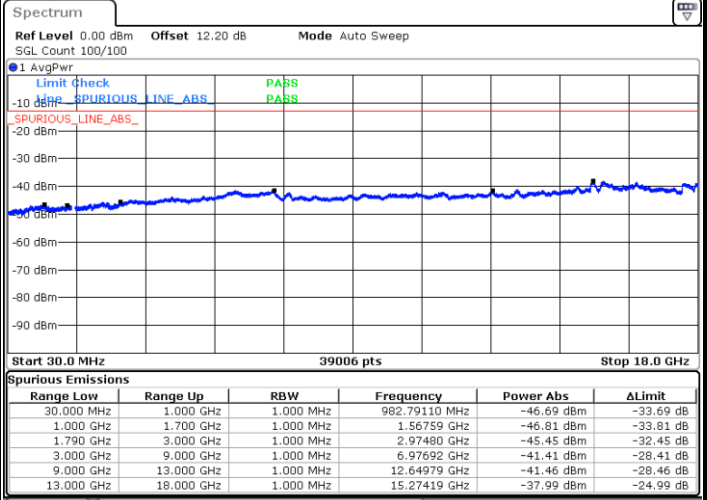
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

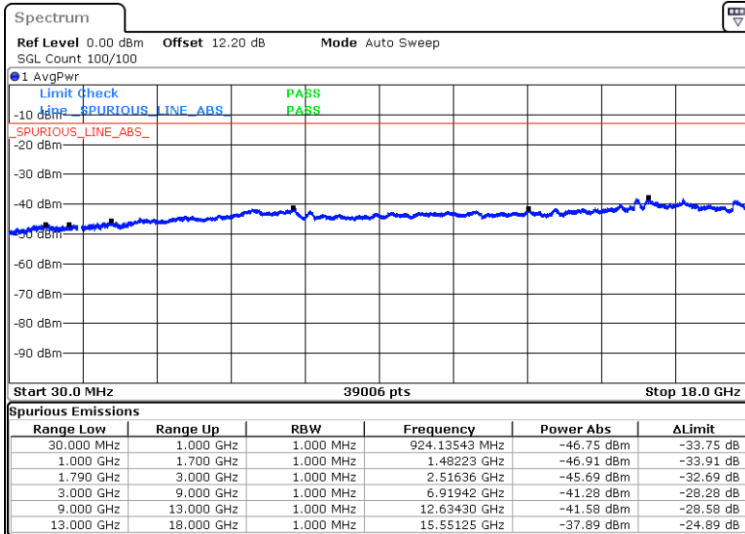


Date: 4.FEB.2022 16:16:27



Date: 4.FEB.2022 16:26:25

Highest Channel / QPSK



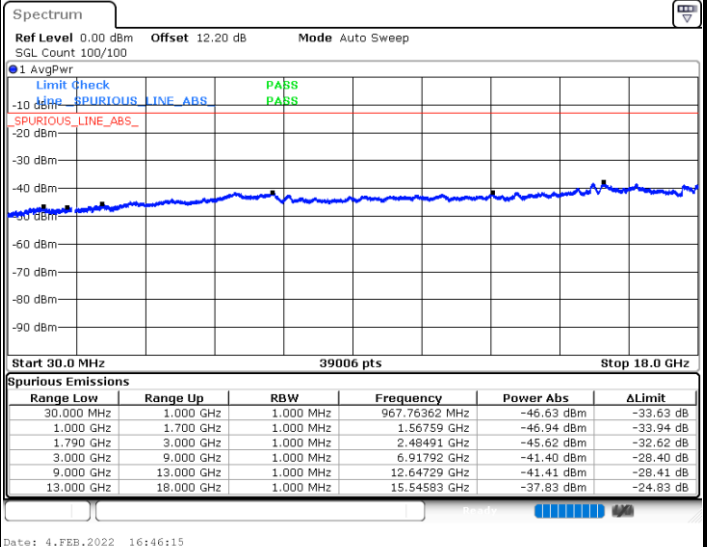
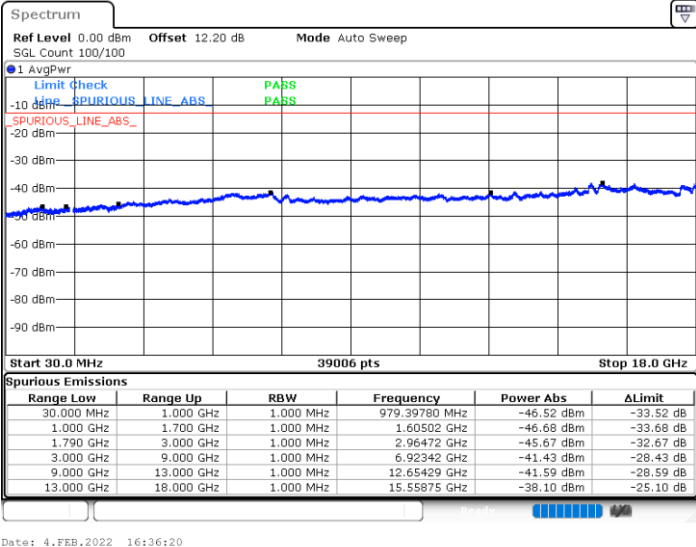
Date: 4.FEB.2022 16:27:35



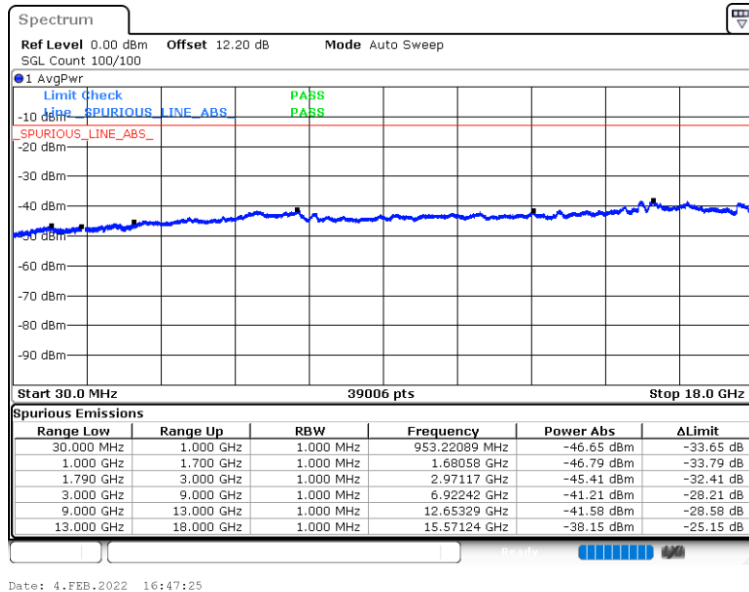
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

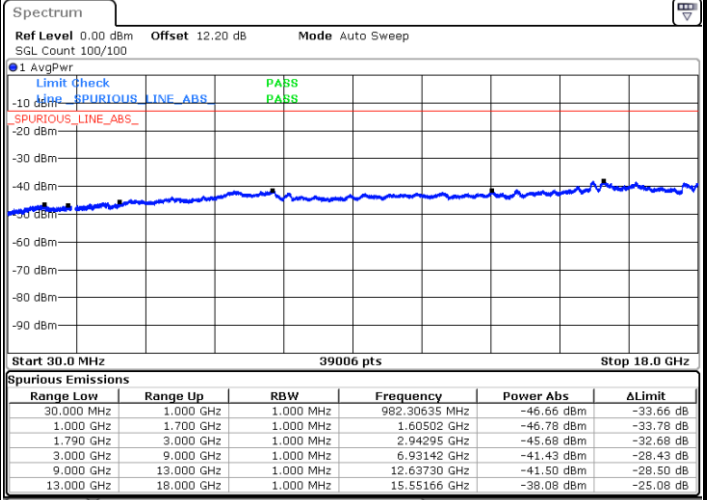
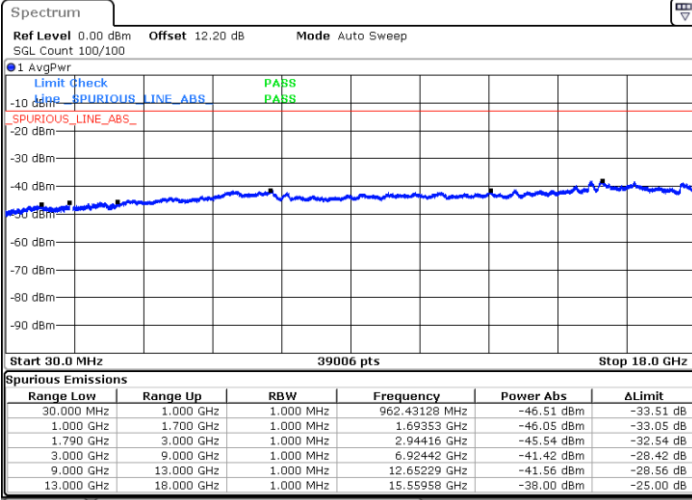




LTE Band 66 / 10MHz

Lowest Channel / QPSK

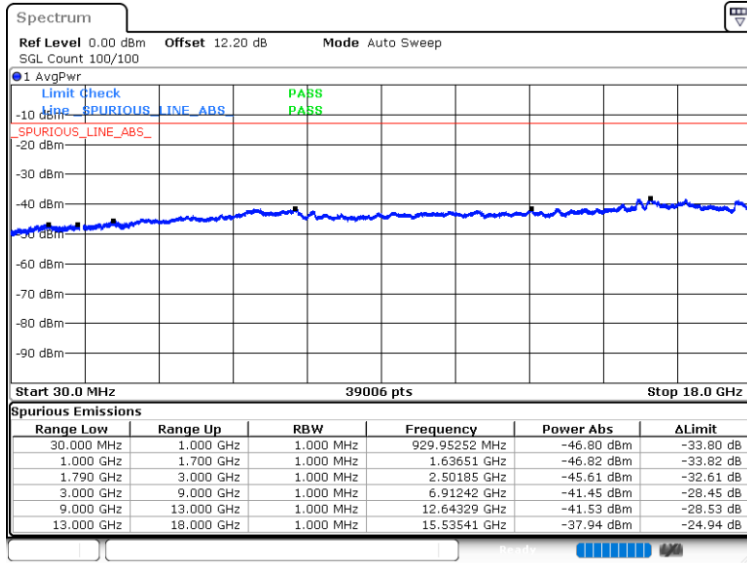
Middle Channel / QPSK



Date: 4.FEB.2022 16:56:12

Date: 4.FEB.2022 17:06:06

Highest Channel / QPSK



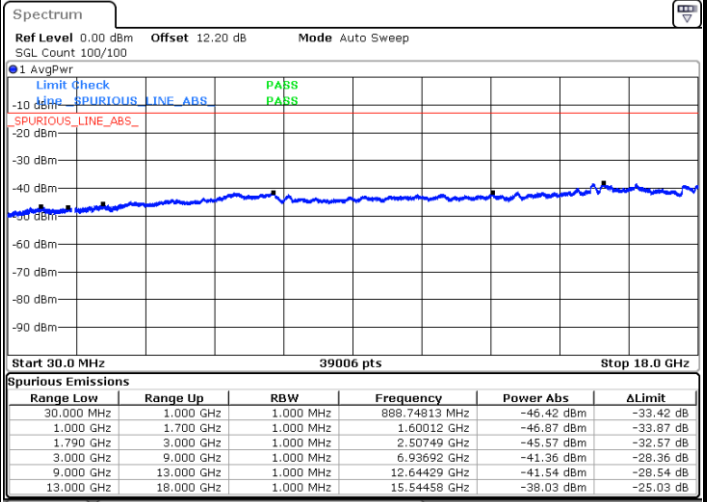
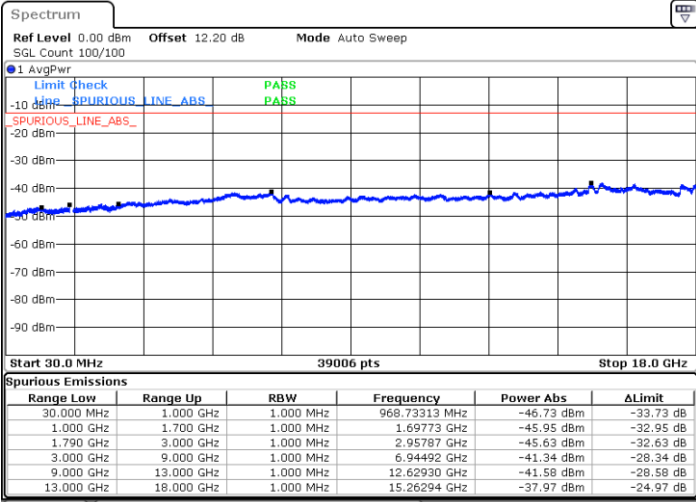
Date: 4.FEB.2022 17:07:16



LTE Band 66 / 15MHz

Lowest Channel / QPSK

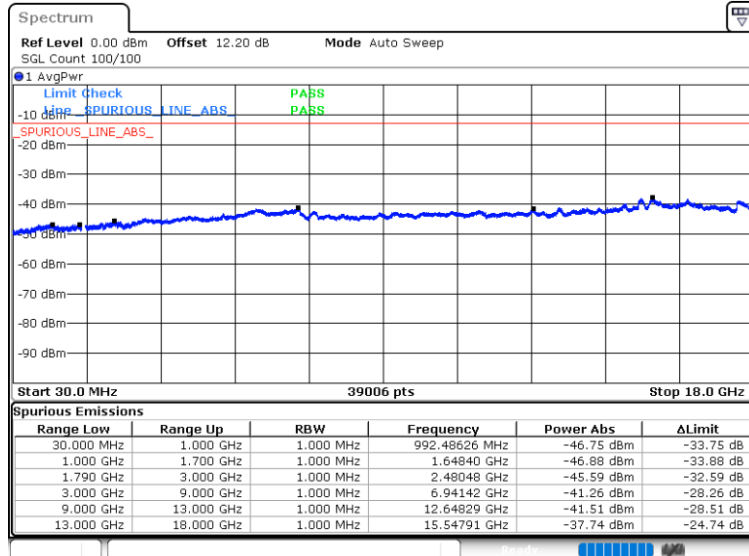
Middle Channel / QPSK



Date: 4.FEB.2022 17:16:03

Date: 4.FEB.2022 17:25:58

Highest Channel / QPSK



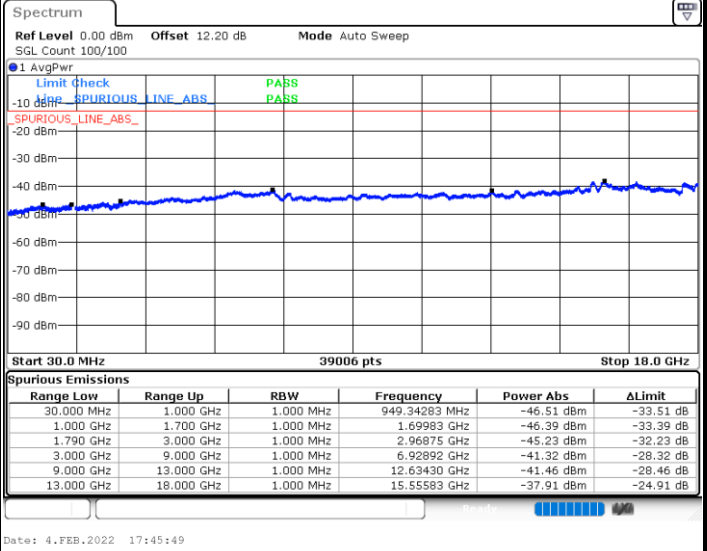
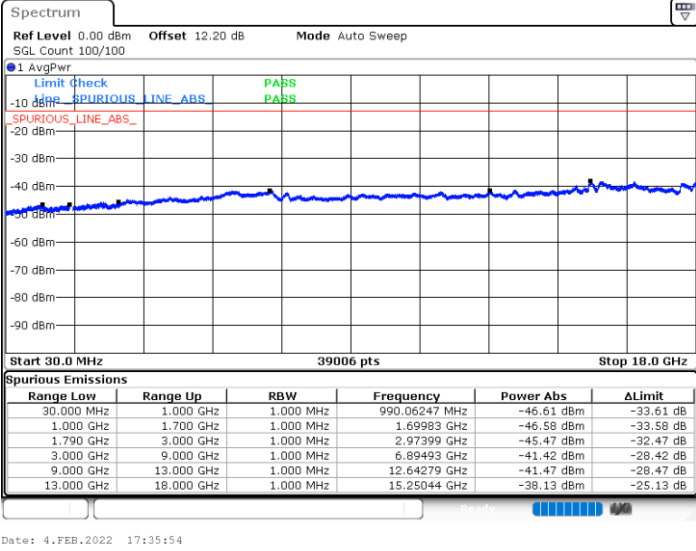
Date: 4.FEB.2022 17:27:08



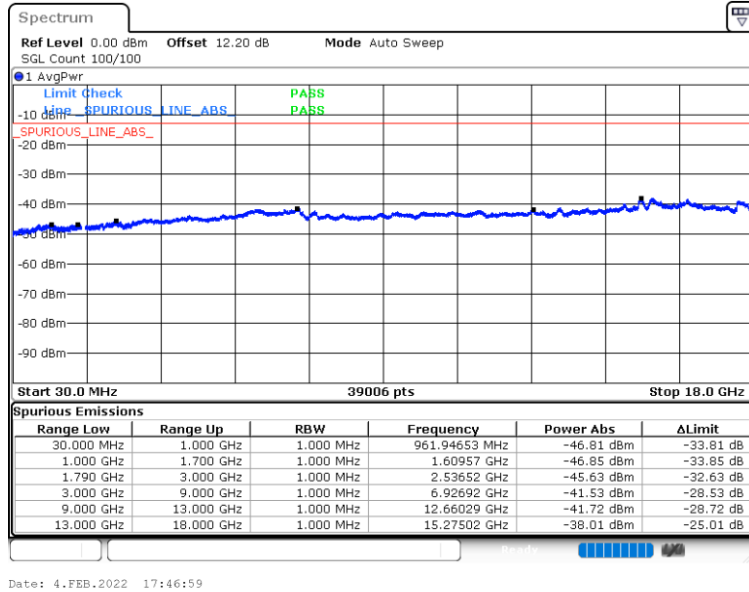
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK







### Frequency Stability

| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0061                              | PASS    |
| 40               | Normal Voltage    | 0.0016                              |         |
| 30               | Normal Voltage    | 0.0084                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0079                              |         |
| 0                | Normal Voltage    | 0.0028                              |         |
| -10              | Normal Voltage    | 0.0019                              |         |
| -20              | Normal Voltage    | 0.0006                              |         |
| -30              | Normal Voltage    | 0.0002                              |         |
| 20               | Maximum Voltage   | 0.0064                              |         |
| 20               | Normal Voltage    | 0.0061                              |         |
| 20               | Battery End Point | 0.0011                              |         |

**Note:**

- 1. Normal Voltage =4.2 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.3 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66B

## 26dB Bandwidth

| Mode      | LTE Band 66B : 26dB BW(MHz) |             |            |
|-----------|-----------------------------|-------------|------------|
| QPSK      |                             |             |            |
| BW        | 5MHz+5MHz                   | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.95                        | 14.72       | 18.94      |
| BW        | 10MHz+5MHz                  | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 14.57                       | 19.94       | 19.14      |

| Mode      | LTE Band 66B : 26dB BW(MHz) |             |            |
|-----------|-----------------------------|-------------|------------|
| 16QAM     |                             |             |            |
| BW        | 5MHz+5MHz                   | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.91                        | 14.54       | 18.86      |
| BW        | 10MHz+5MHz                  | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 14.63                       | 19.82       | 19.10      |

| Mode      | LTE Band 66B : 26dB BW(MHz) |             |            |
|-----------|-----------------------------|-------------|------------|
| 64QAM     |                             |             |            |
| BW        | 5MHz+5MHz                   | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.89                        | 14.54       | 18.82      |
| BW        | 10MHz+5MHz                  | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 14.63                       | 19.78       | 19.10      |

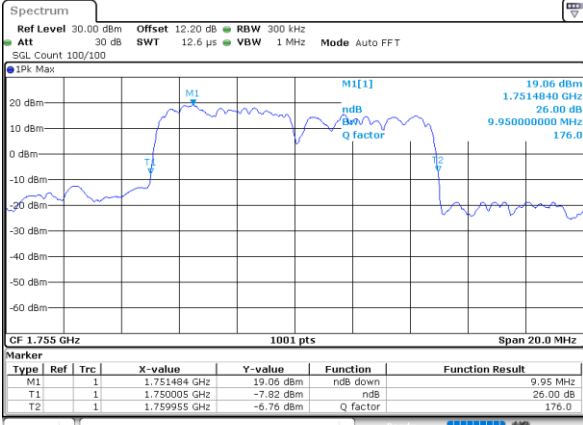
| Mode      | LTE Band 66B : 26dB BW(MHz) |             |            |
|-----------|-----------------------------|-------------|------------|
| 256QAM    |                             |             |            |
| BW        | 5MHz+5MHz                   | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.91                        | 14.63       | 18.86      |
| BW        | 10MHz+5MHz                  | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 14.54                       | 19.82       | 19.10      |



LTE Band 66B

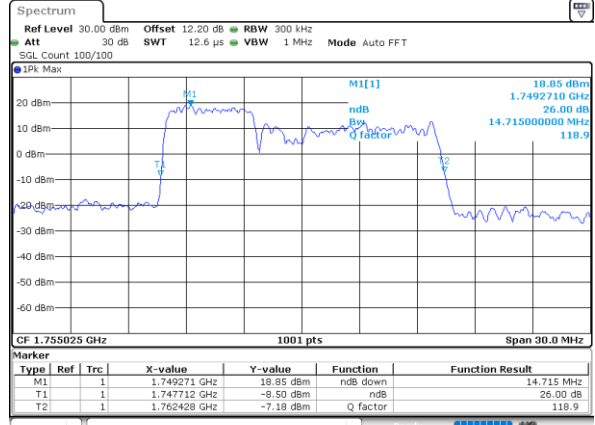
QPSK

Middle Channel / 5MHz+5MHz



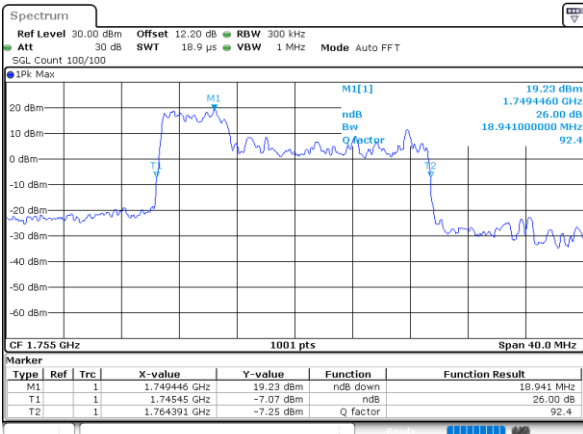
Date: 28\_JAN.2022 10:57:59

Middle Channel / 5MHz+10MHz



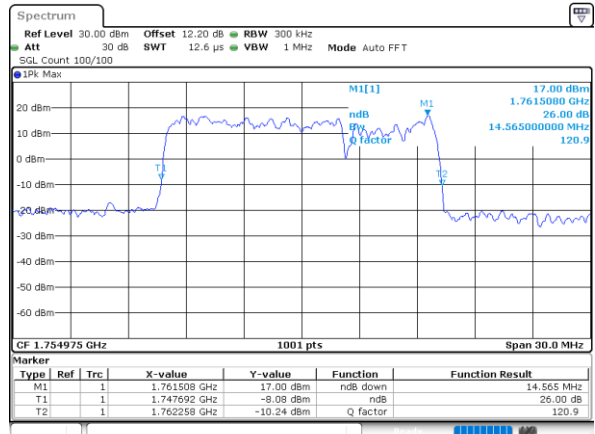
Date: 28\_JAN.2022 14:11:14

Middle Channel / 5MHz+15MHz



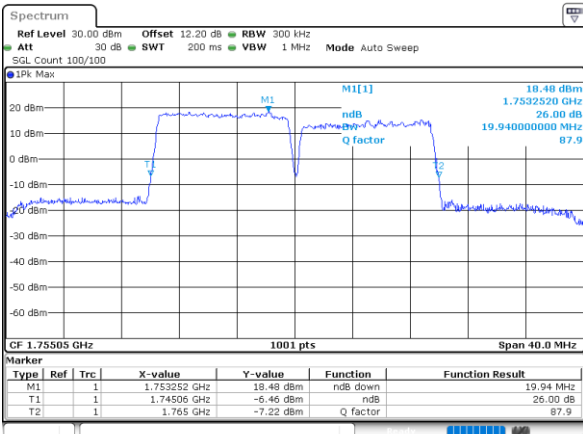
Date: 28\_JAN.2022 14:46:54

Middle Channel / 10MHz+5MHz



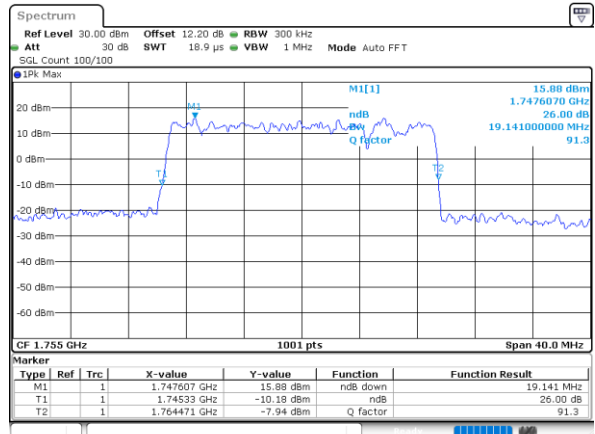
Date: 28\_JAN.2022 15:21:58

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 17:05:02

Middle Channel / 15MHz+5MHz



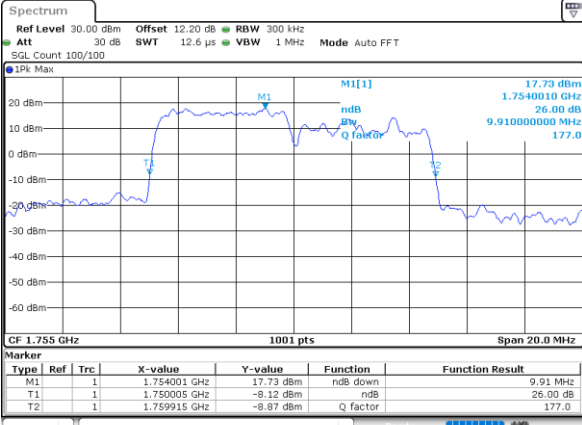
Date: 28\_JAN.2022 16:47:19



LTE Band 66B

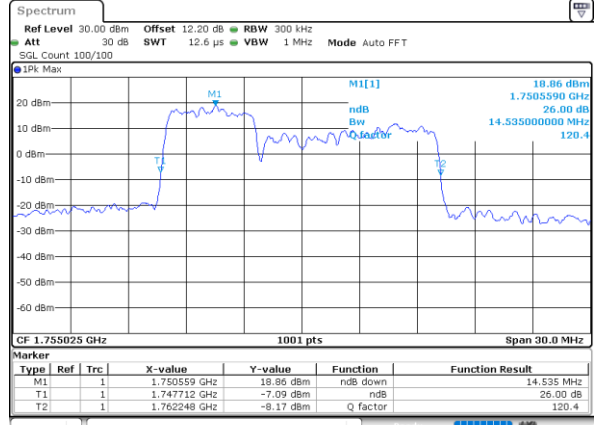
16QAM

Middle Channel / 5MHz+5MHz



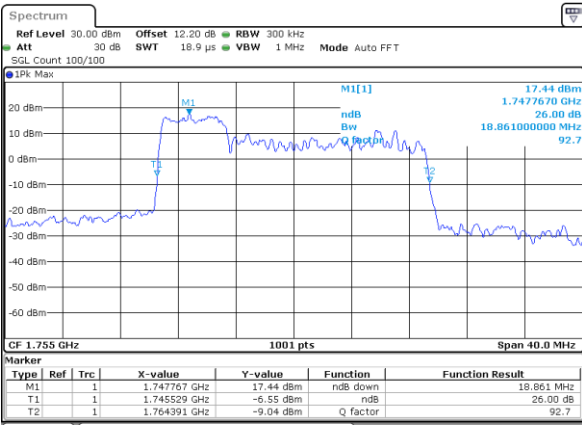
Date: 28\_JAN.2022 10:58:27

Middle Channel / 5MHz+10MHz



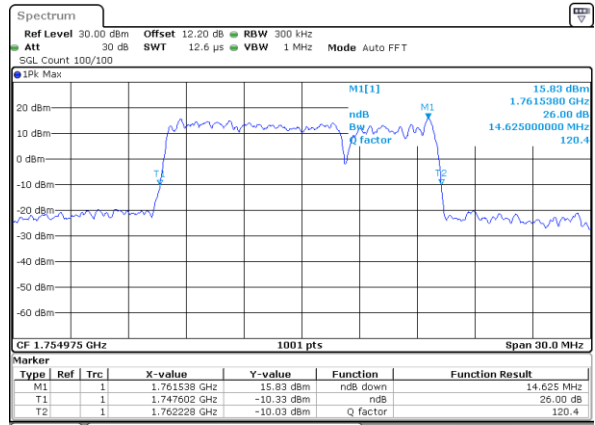
Date: 28\_JAN.2022 14:11:42

Middle Channel / 5MHz+15MHz



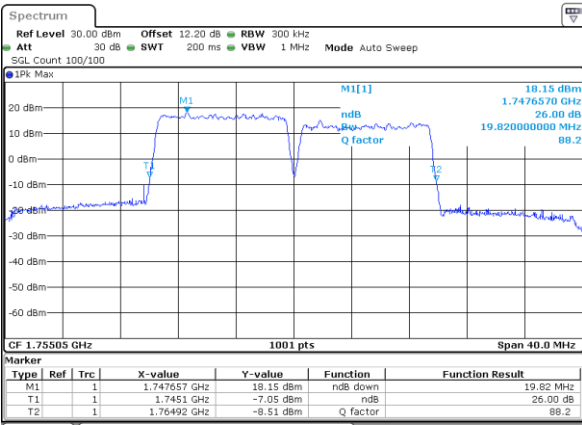
Date: 28\_JAN.2022 14:47:21

Middle Channel / 10MHz+5MHz



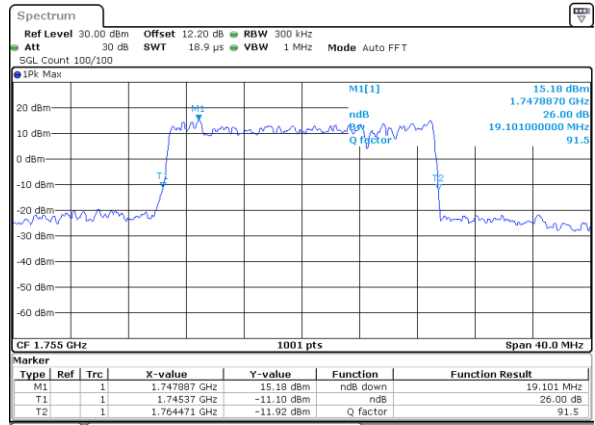
Date: 28\_JAN.2022 15:22:26

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 17:06:02

Middle Channel / 15MHz+5MHz



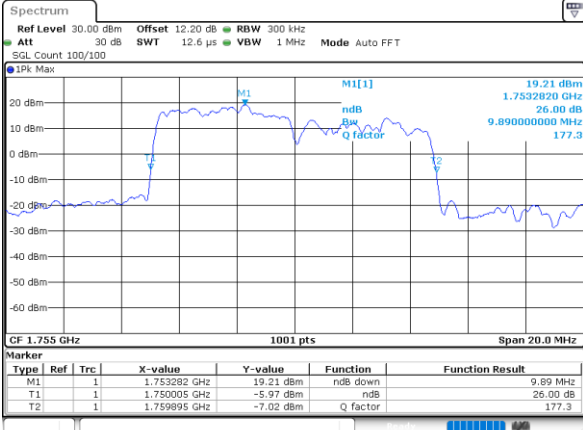
Date: 28\_JAN.2022 16:47:46



LTE Band 66B

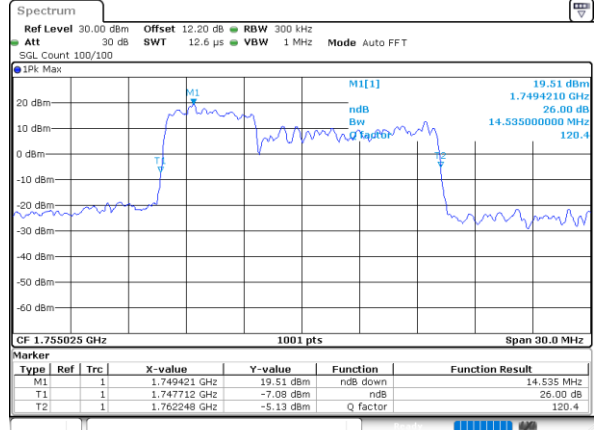
64QAM

Middle Channel / 5MHz+5MHz



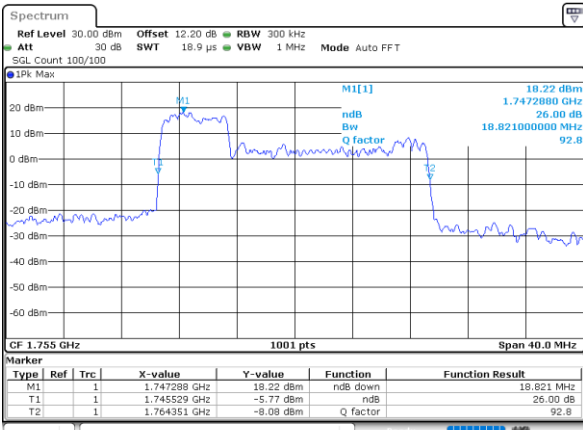
Date: 28\_JAN.2022 10:59:49

Middle Channel / 5MHz+10MHz



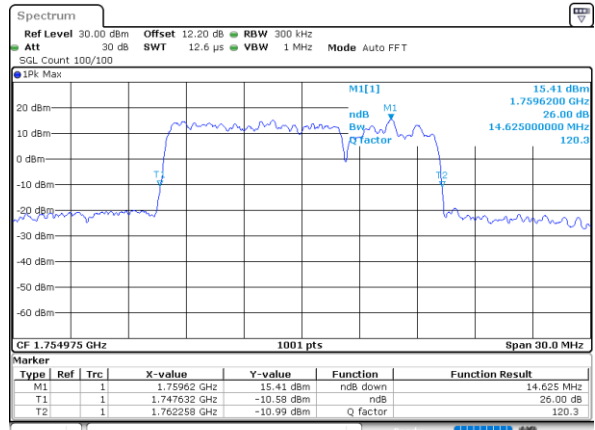
Date: 28\_JAN.2022 14:13:03

Middle Channel / 5MHz+15MHz



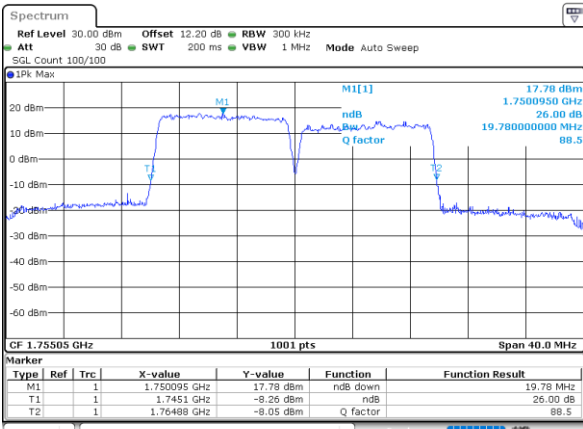
Date: 28\_JAN.2022 14:48:43

Middle Channel / 10MHz+5MHz



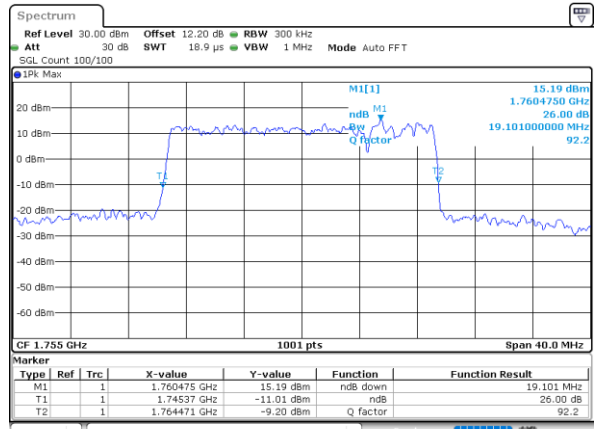
Date: 28\_JAN.2022 15:23:47

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 17:07:36

Middle Channel / 15MHz+5MHz



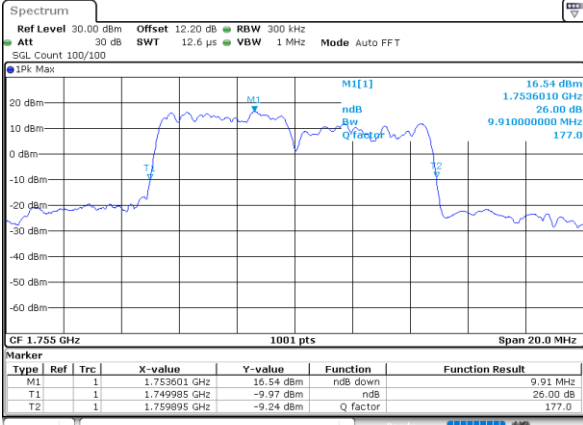
Date: 28\_JAN.2022 16:49:09



LTE Band 66B

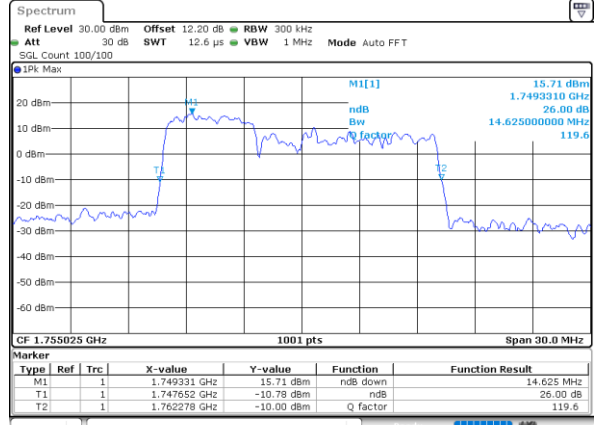
256QAM

Middle Channel / 5MHz+5MHz



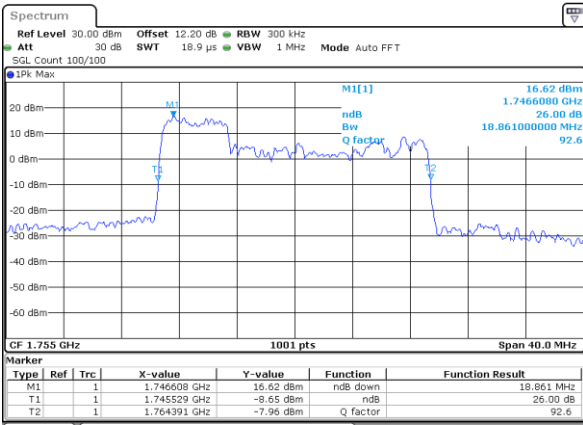
Date: 28\_JAN.2022 11:00:16

Middle Channel / 5MHz+10MHz



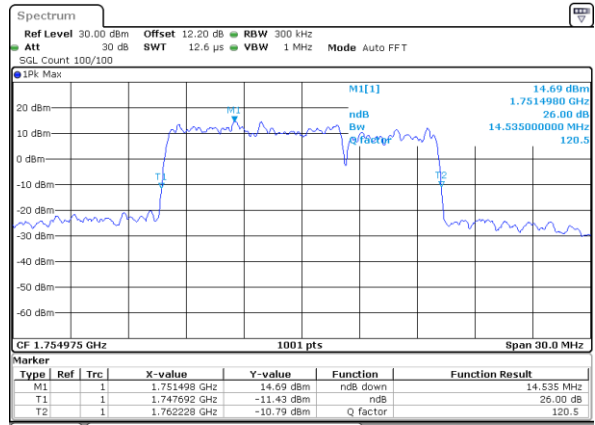
Date: 28\_JAN.2022 14:13:31

Middle Channel / 5MHz+15MHz



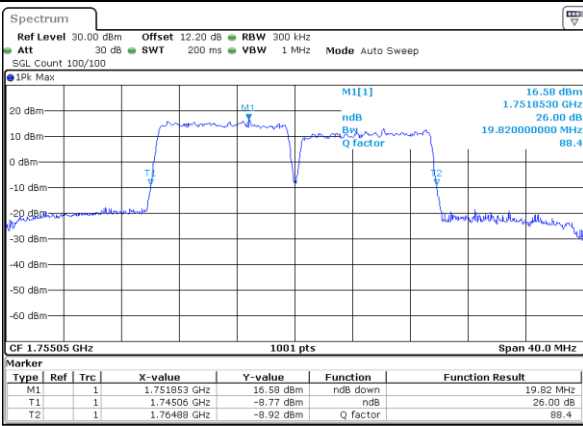
Date: 28\_JAN.2022 14:49:10

Middle Channel / 10MHz+5MHz



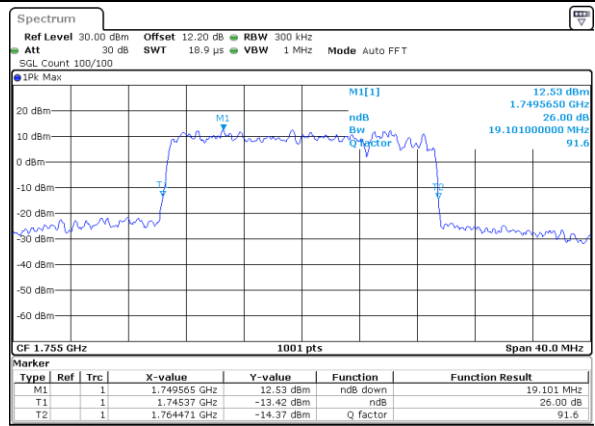
Date: 28\_JAN.2022 15:24:15

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 17:09:00

Middle Channel / 15MHz+5MHz



Date: 28\_JAN.2022 16:49:35



### Occupied Bandwidth

| Mode      | LTE Band 66B : 99%OBW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| QPSK      |                            |             |            |
| BW        | 5MHz+5MHz                  | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.35                       | 13.85       | 18.22      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 13.88                      | 18.82       | 18.22      |

| Mode      | LTE Band 66B : 99%OBW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 16QAM     |                            |             |            |
| BW        | 5MHz+5MHz                  | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.23                       | 13.91       | 18.10      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 13.88                      | 18.86       | 18.26      |

| Mode      | LTE Band 66B : 99%OBW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 64QAM     |                            |             |            |
| BW        | 5MHz+5MHz                  | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.33                       | 13.82       | 18.18      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 13.94                      | 18.66       | 18.14      |

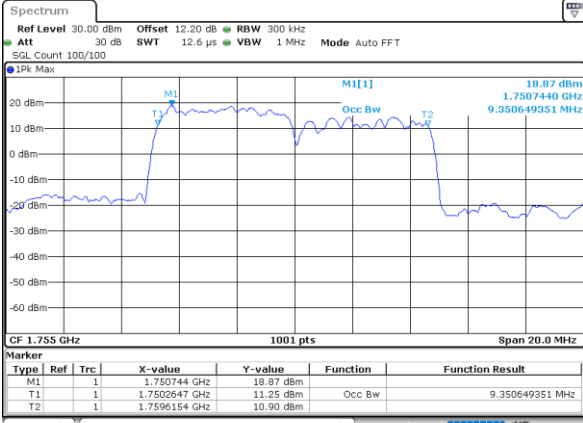
| Mode      | LTE Band 66B : 99%OBW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 256QAM    |                            |             |            |
| BW        | 5MHz+5MHz                  | 5MHz+10MHz  | 5MHz+15MHz |
| Middle CH | 9.09                       | 13.88       | 17.86      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | 15MHz+5MHz |
| Middle CH | 13.88                      | 18.74       | 18.10      |



LTE Band 66B

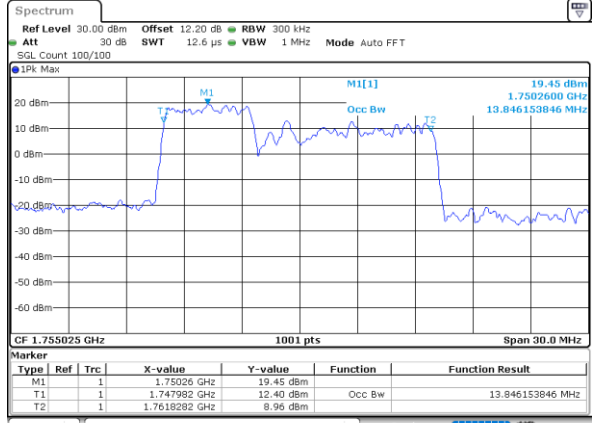
QPSK

Middle Channel / 5MHz+5MHz



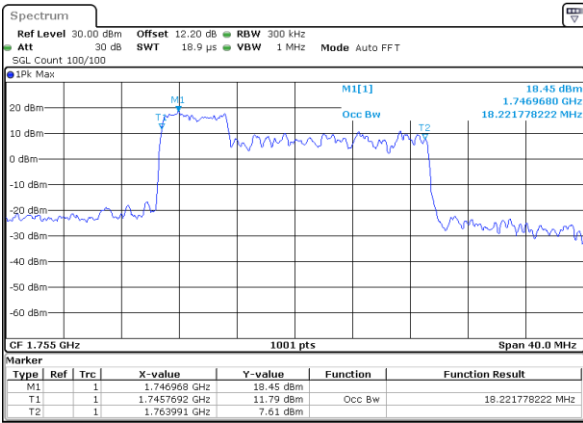
Date: 28\_JAN.2022 10:57:32

Middle Channel / 5MHz+10MHz



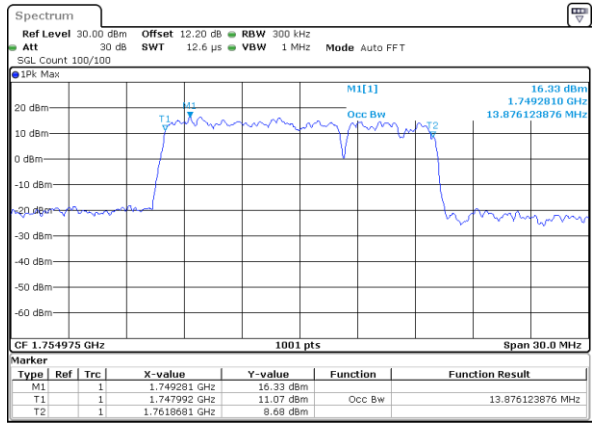
Date: 28\_JAN.2022 14:10:47

Middle Channel / 5MHz+15MHz



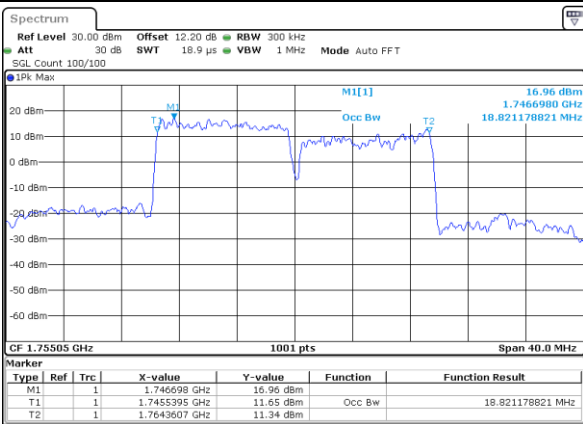
Date: 28\_JAN.2022 14:46:26

Middle Channel / 10MHz+5MHz



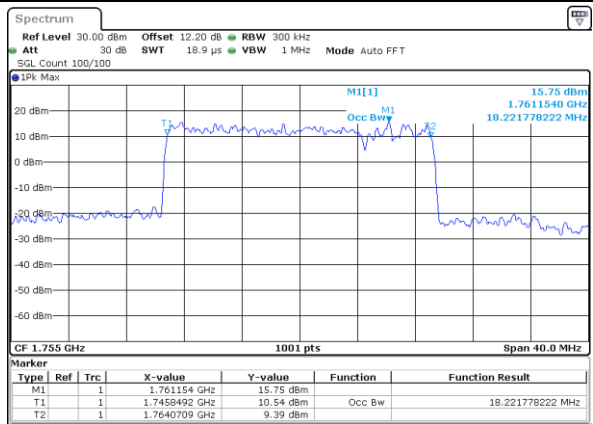
Date: 28\_JAN.2022 15:21:31

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 16:02:40

Middle Channel / 15MHz+5MHz



Date: 28\_JAN.2022 16:46:52

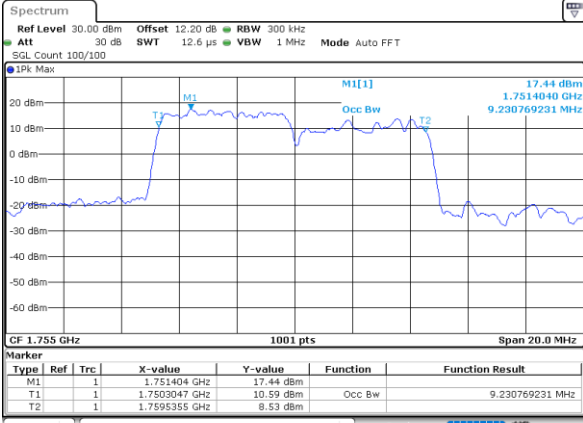




LTE Band 66B

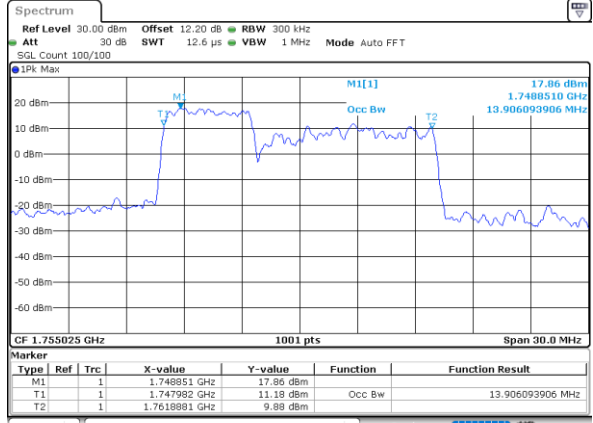
16QAM

Middle Channel / 5MHz+5MHz



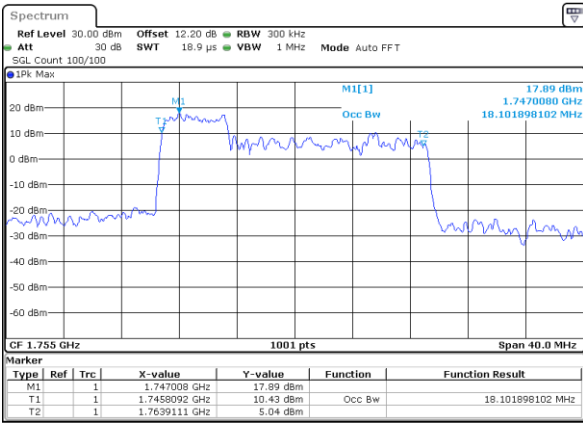
Date: 28\_JAN.2022 10:58:54

Middle Channel / 5MHz+10MHz



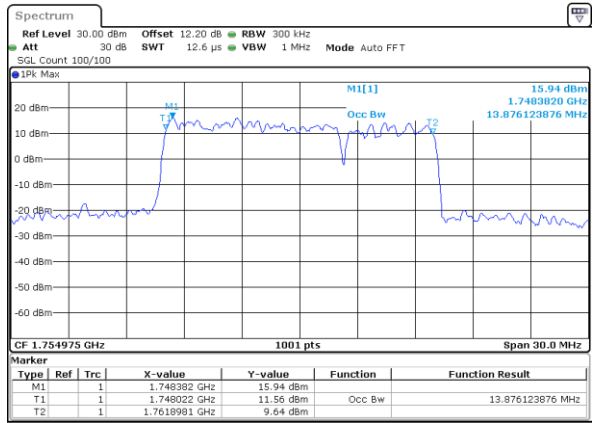
Date: 28\_JAN.2022 14:12:09

Middle Channel / 5MHz+15MHz



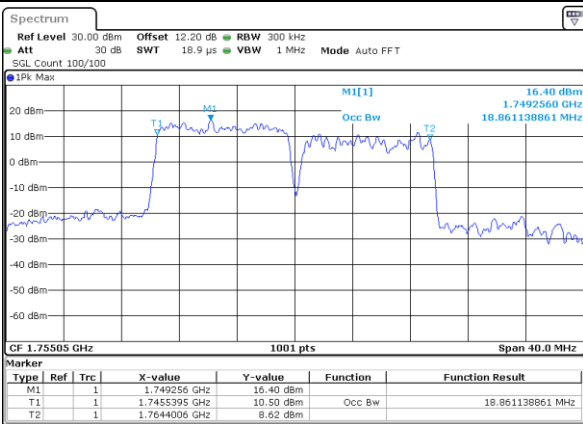
Date: 28\_JAN.2022 14:47:48

Middle Channel / 10MHz+5MHz



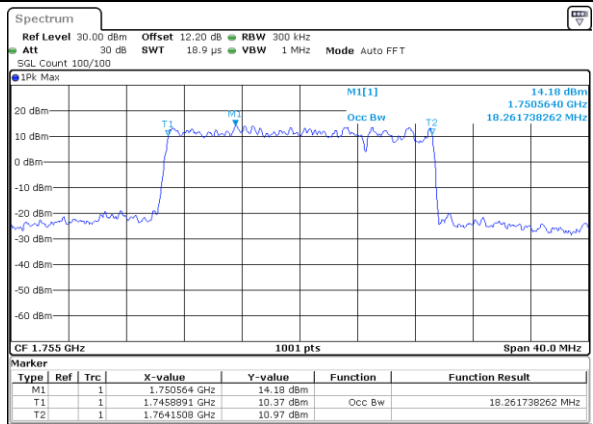
Date: 28\_JAN.2022 15:22:53

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 16:04:01

Middle Channel / 15MHz+5MHz



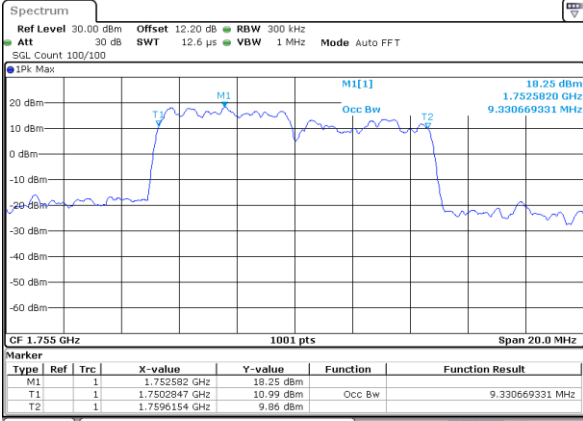
Date: 28\_JAN.2022 16:48:13



LTE Band 66B

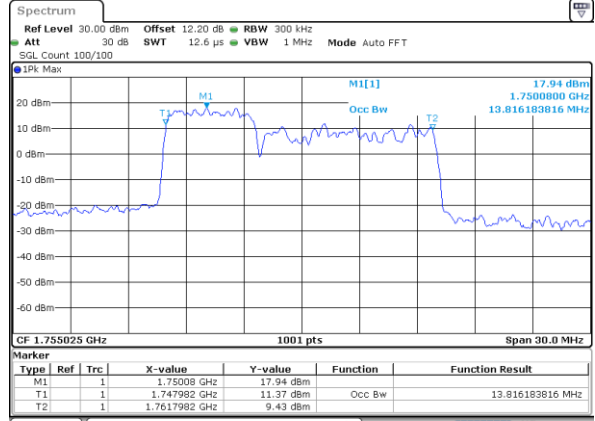
64QAM

Middle Channel / 5MHz+5MHz



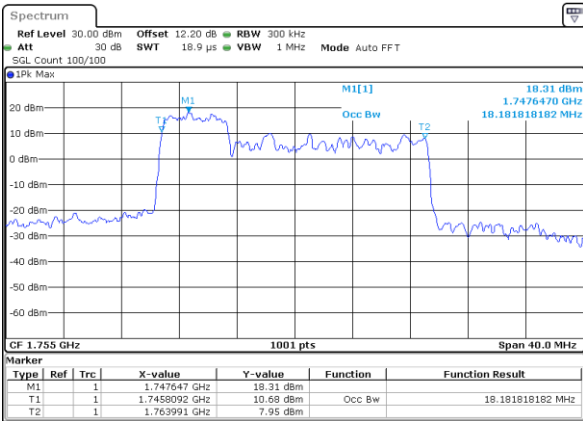
Date: 28\_JAN.2022 10:59:22

Middle Channel / 5MHz+10MHz



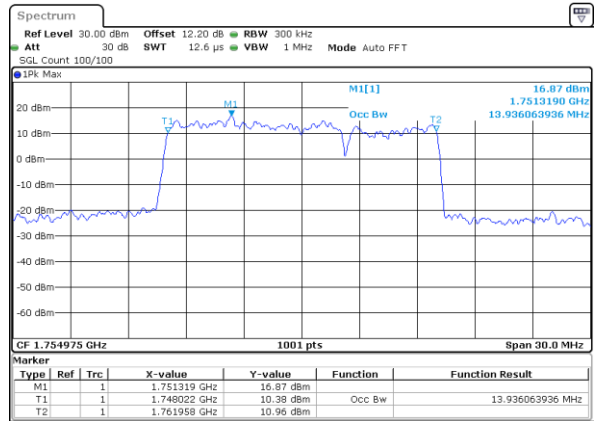
Date: 28\_JAN.2022 14:12:36

Middle Channel / 5MHz+15MHz



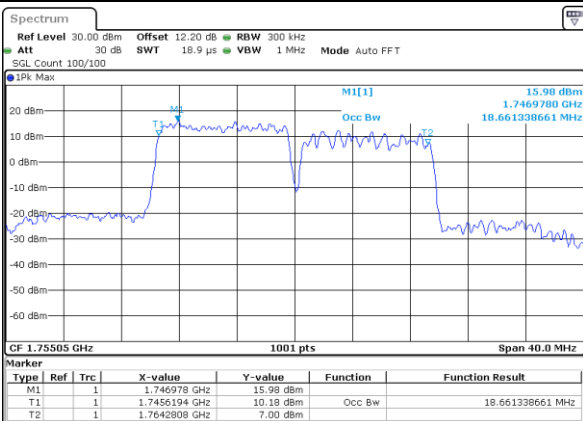
Date: 28\_JAN.2022 14:48:15

Middle Channel / 10MHz+5MHz



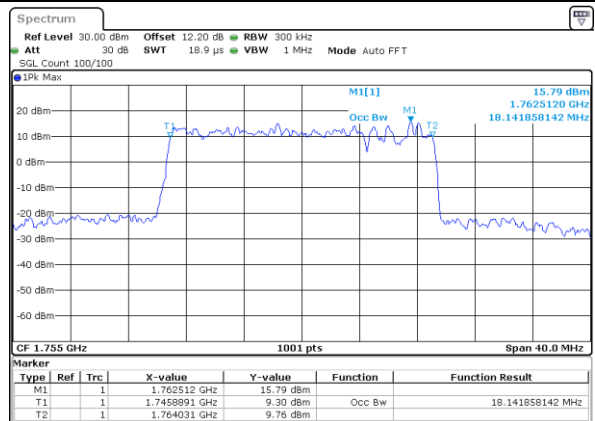
Date: 28\_JAN.2022 15:23:20

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 16:04:29

Middle Channel / 15MHz+5MHz



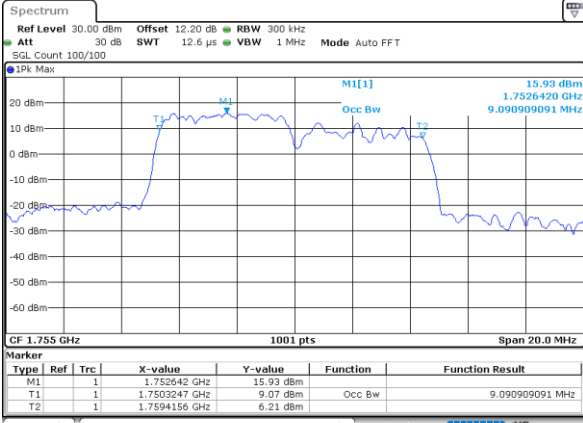
Date: 28\_JAN.2022 16:48:41



LTE Band 66B

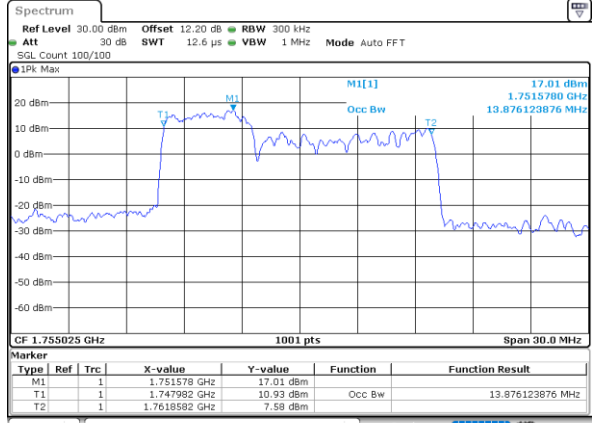
256QAM

Middle Channel / 5MHz+5MHz



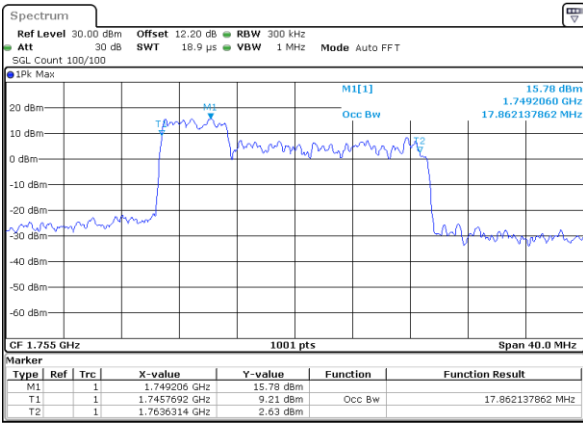
Date: 28\_JAN.2022 11:00:43

Middle Channel / 5MHz+10MHz



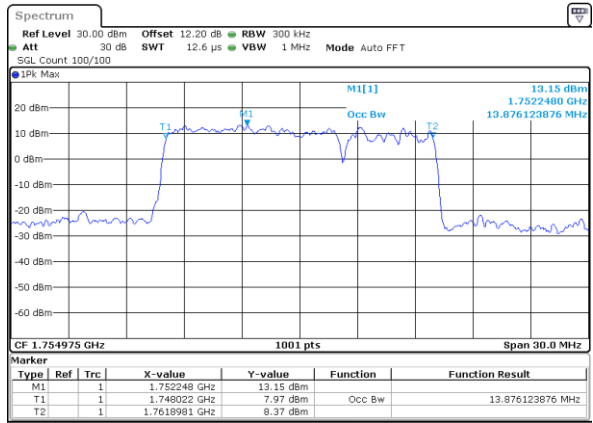
Date: 28\_JAN.2022 14:13:58

Middle Channel / 5MHz+15MHz



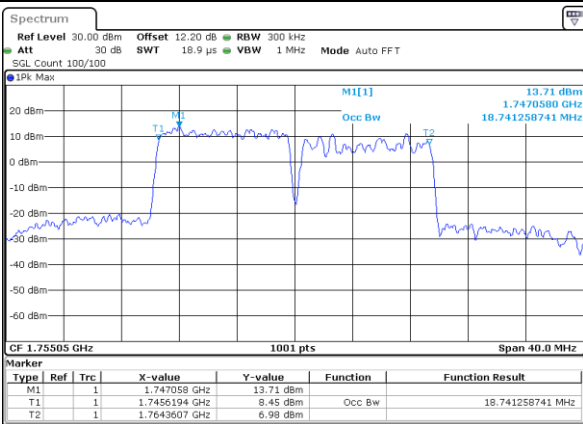
Date: 28\_JAN.2022 14:49:37

Middle Channel / 10MHz+5MHz



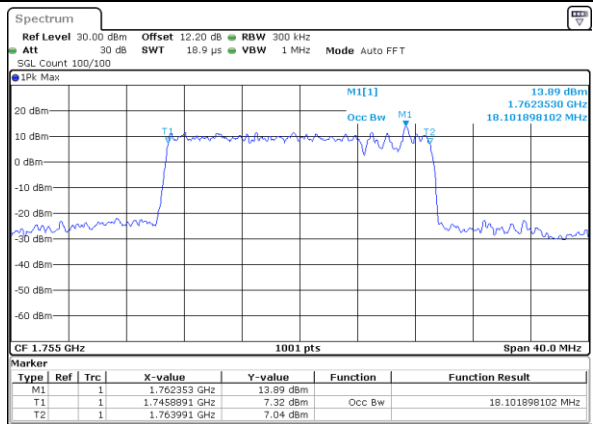
Date: 28\_JAN.2022 15:24:42

Middle Channel / 10MHz+10MHz



Date: 28\_JAN.2022 16:05:50

Middle Channel / 15MHz+5MHz



Date: 28\_JAN.2022 16:50:02



**Conducted Band Edge**

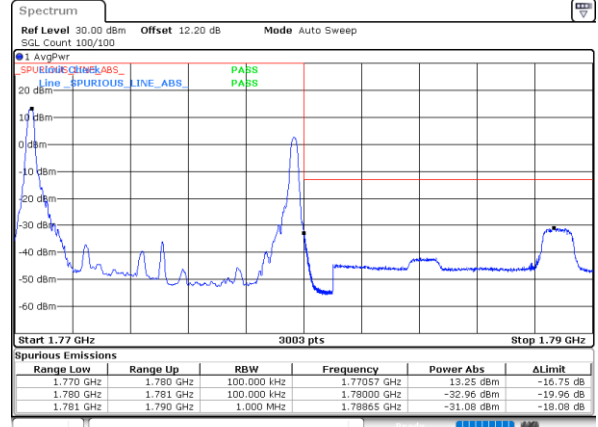
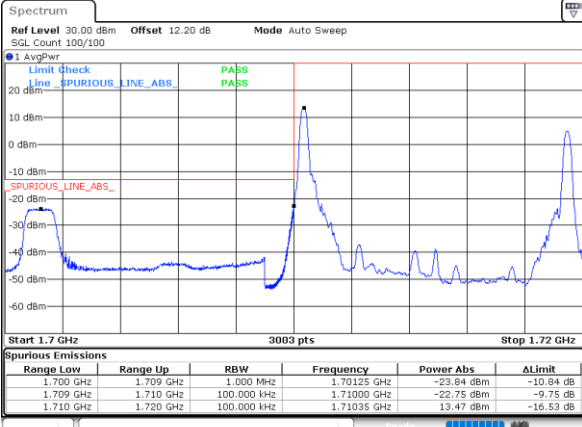


LTE Band 66B / 5MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

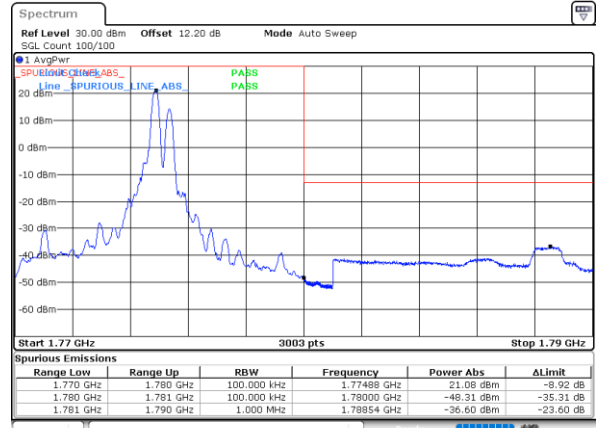
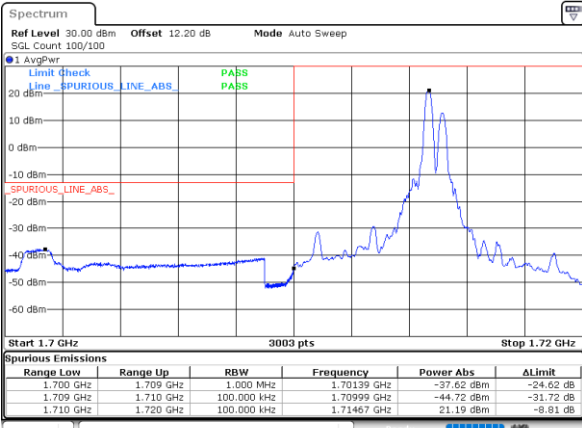


Date: 28\_JAN,2022 10:46:07

Date: 28\_JAN,2022 10:32:14

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

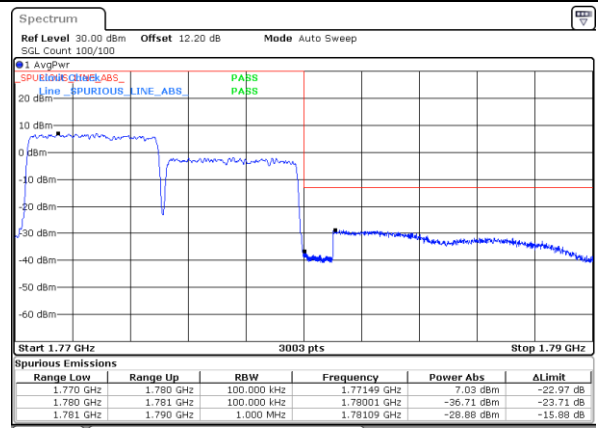
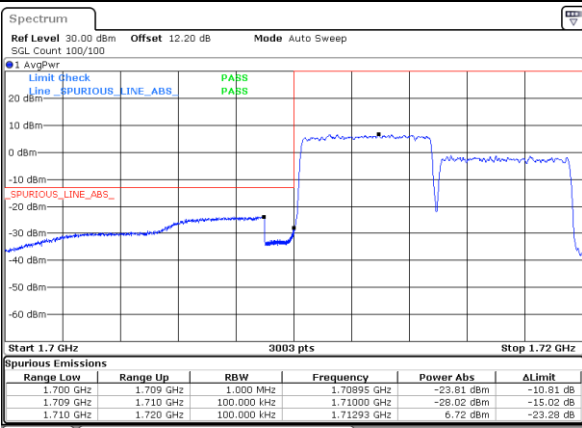


Date: 28\_JAN,2022 10:49:53

Date: 28\_JAN,2022 10:36:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 10:41:15

Date: 28\_JAN,2022 10:27:42

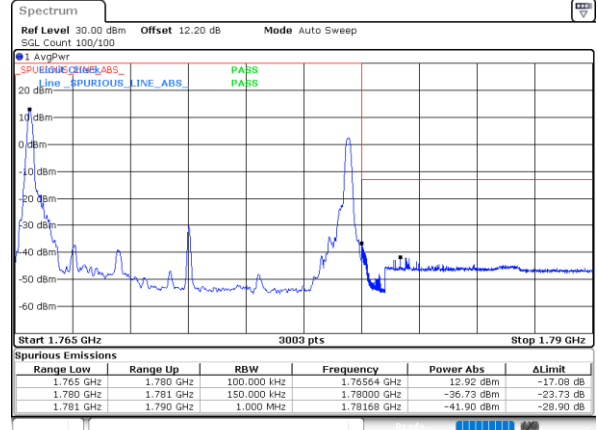


LTE Band 66B / 5MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

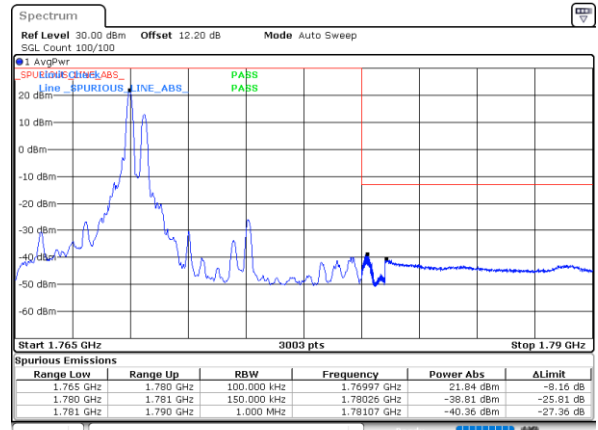
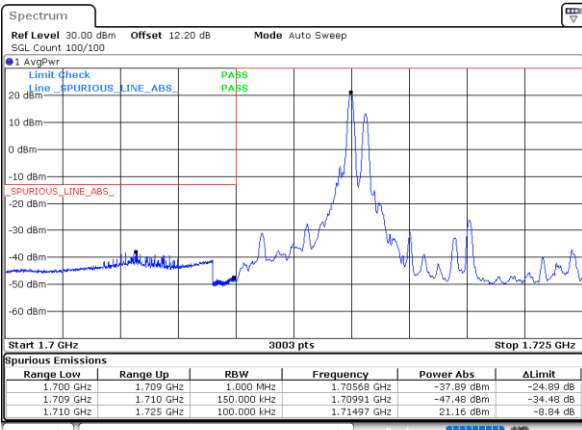


Date: 28\_JAN,2022 13:59:19

Date: 28\_JAN,2022 13:45:44

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

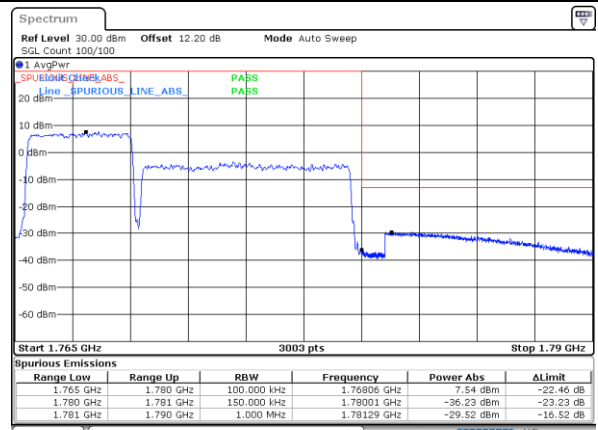
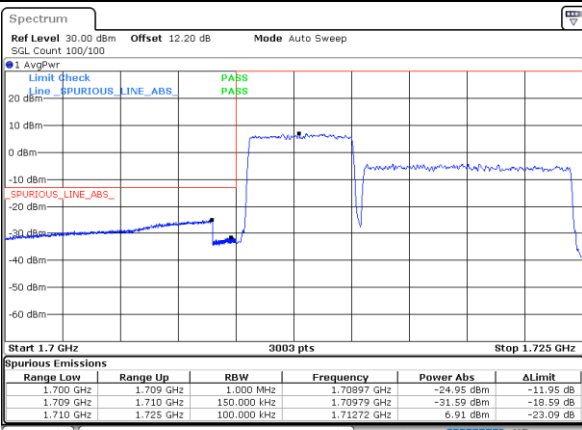


Date: 28\_JAN,2022 14:03:06

Date: 28\_JAN,2022 13:49:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 13:54:27

Date: 28\_JAN,2022 13:40:52

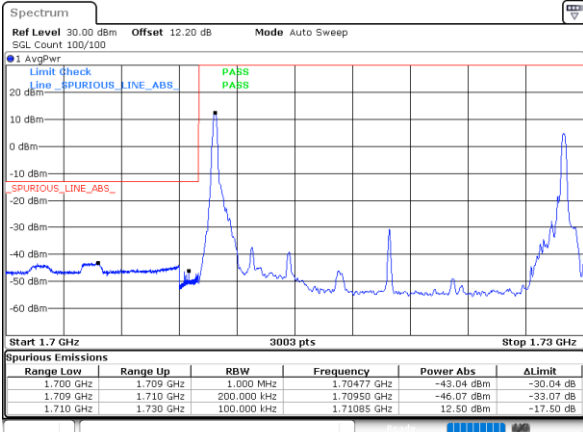


LTE Band 66B / 5MHz+15MHz

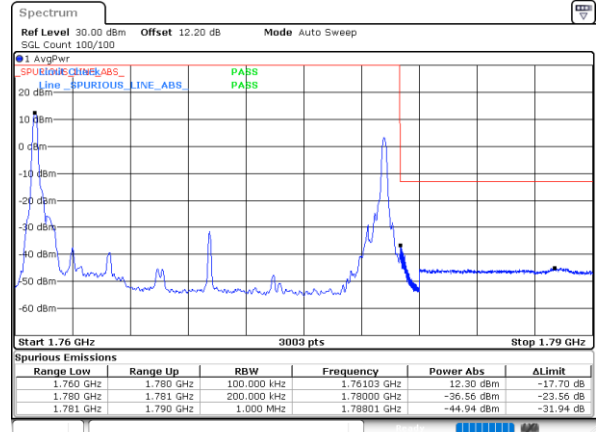
QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74



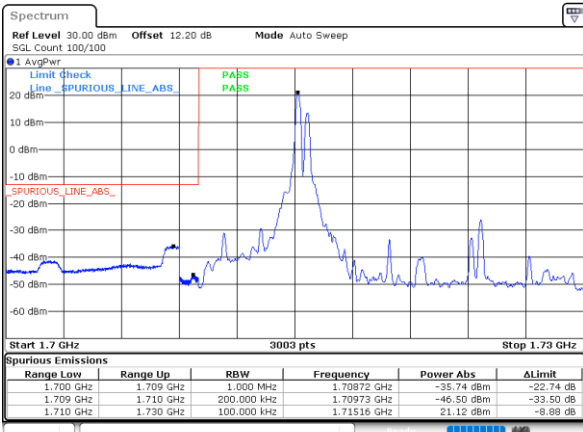
Date: 28\_JAN,2022 14:36:01



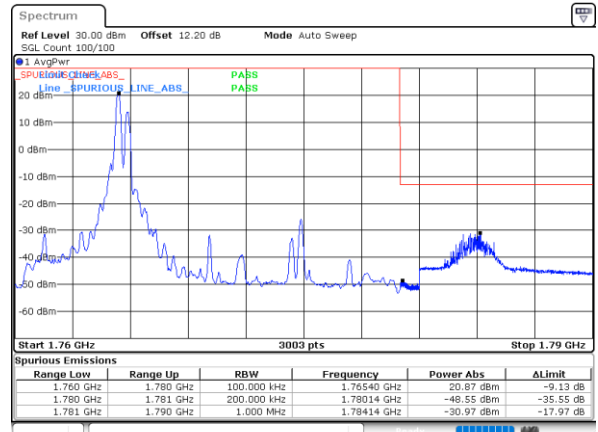
Date: 28\_JAN,2022 14:22:18

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



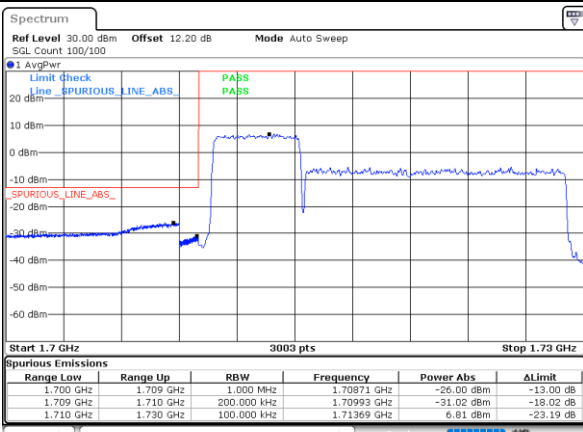
Date: 28\_JAN,2022 14:39:48



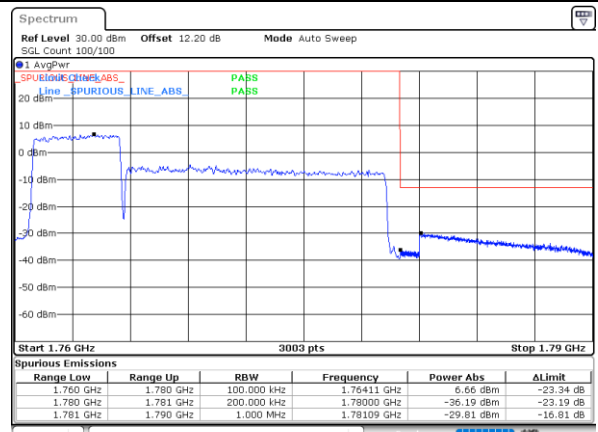
Date: 28\_JAN,2022 14:26:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 14:31:09



Date: 28\_JAN,2022 14:17:36

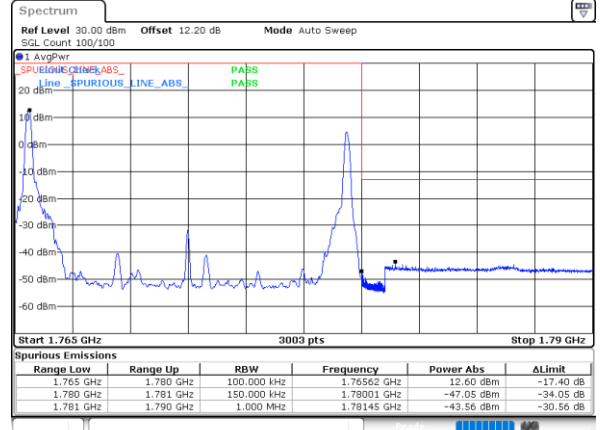
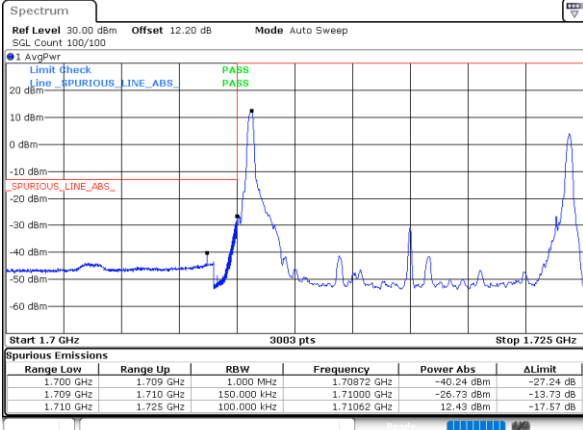


LTE Band 66B / 10MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

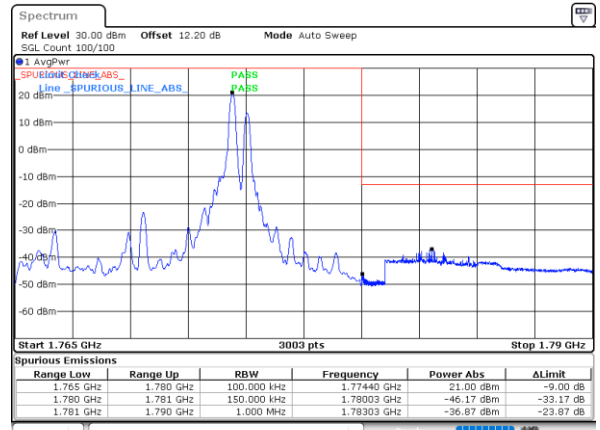
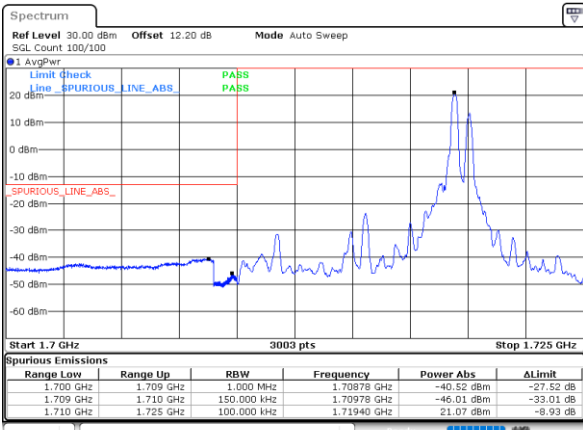


Date: 28\_JAN,2022 15:11:06

Date: 28\_JAN,2022 14:57:33

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

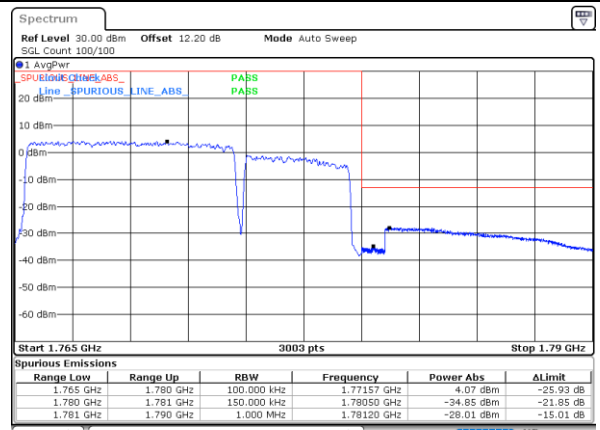
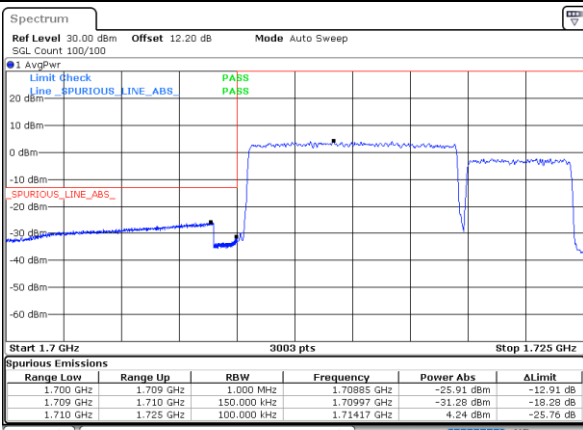


Date: 28\_JAN,2022 15:14:52

Date: 28\_JAN,2022 15:01:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 15:06:15

Date: 28\_JAN,2022 14:52:41



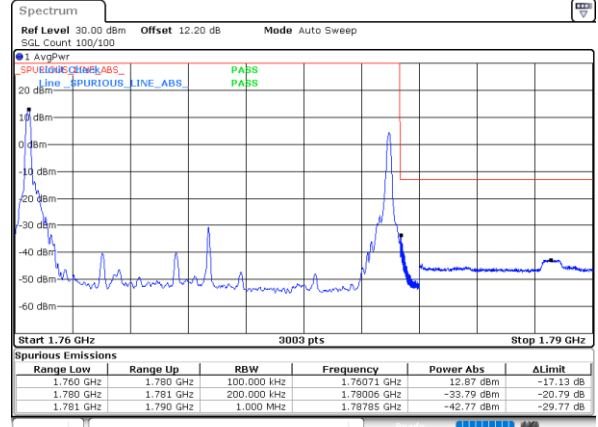
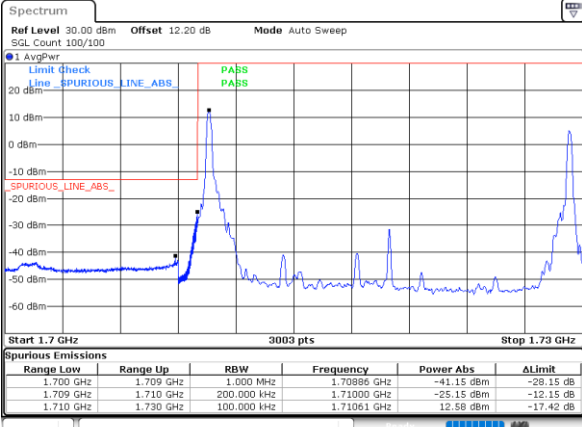


LTE Band 66B / 10MHz+10MHz

QPSK

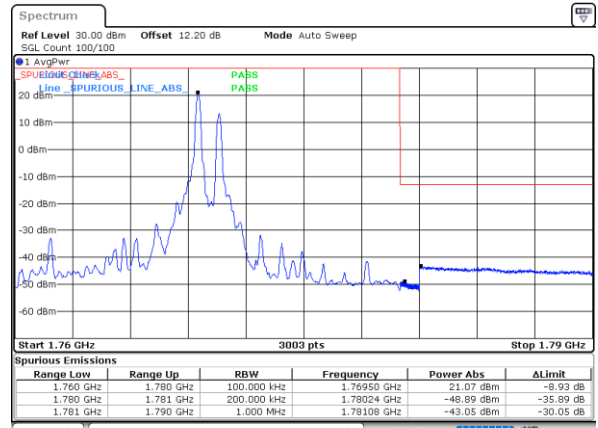
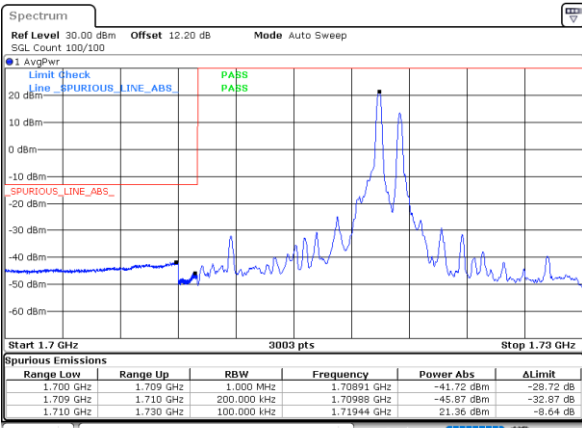
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



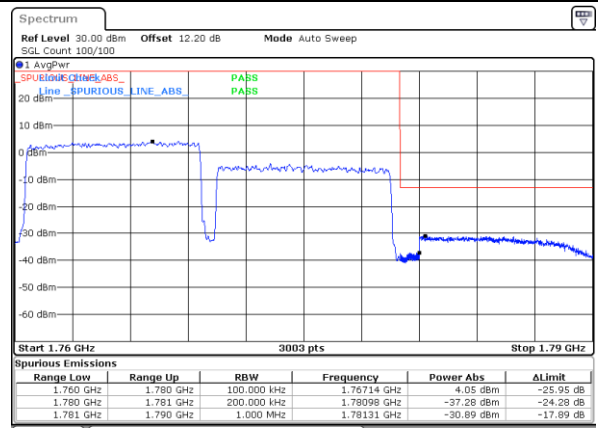
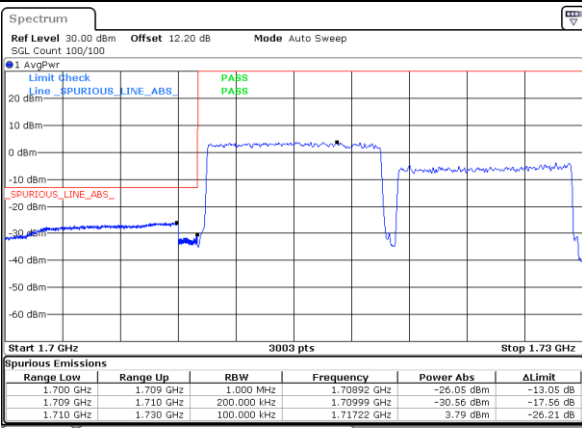
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



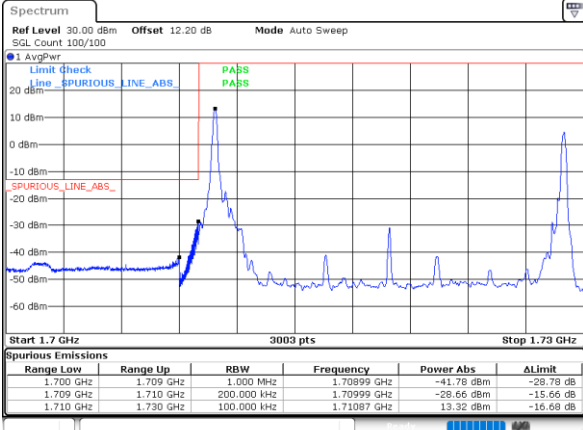


LTE Band 66B / 15MHz+5MHz

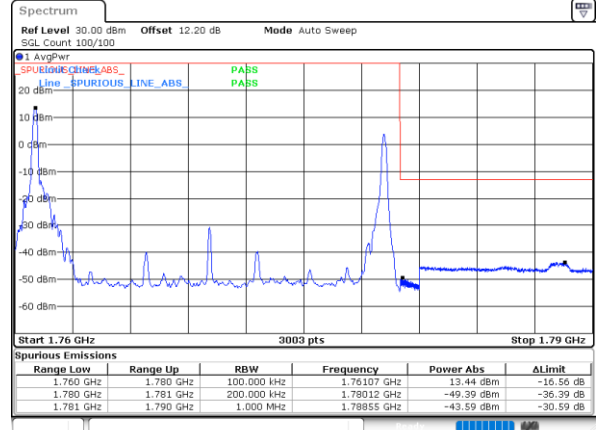
QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



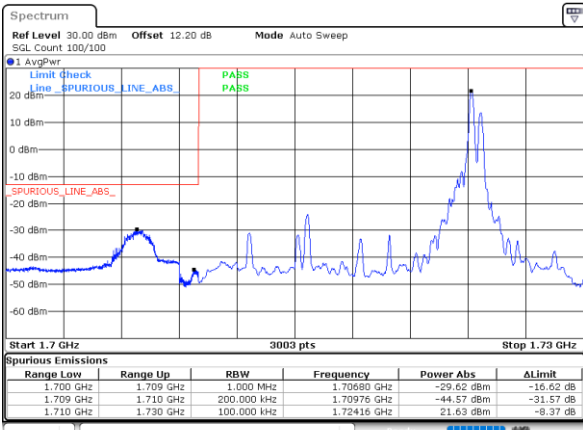
Date: 28\_JAN,2022 16:36:20



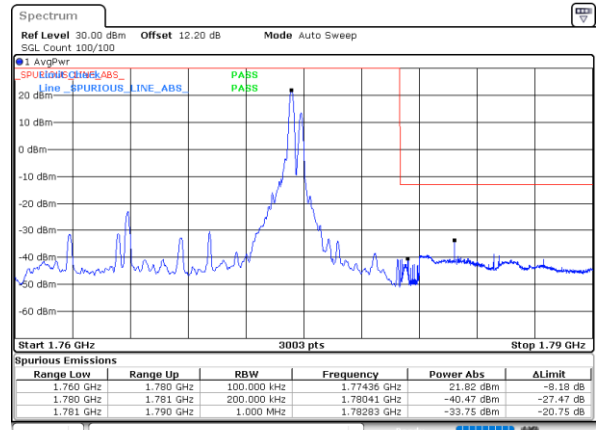
Date: 28\_JAN,2022 16:22:48

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



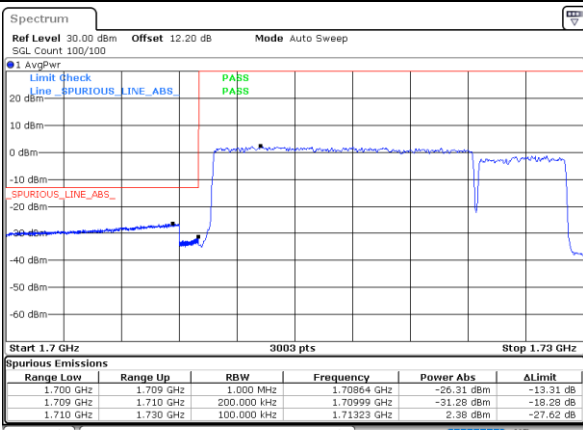
Date: 28\_JAN,2022 16:40:06



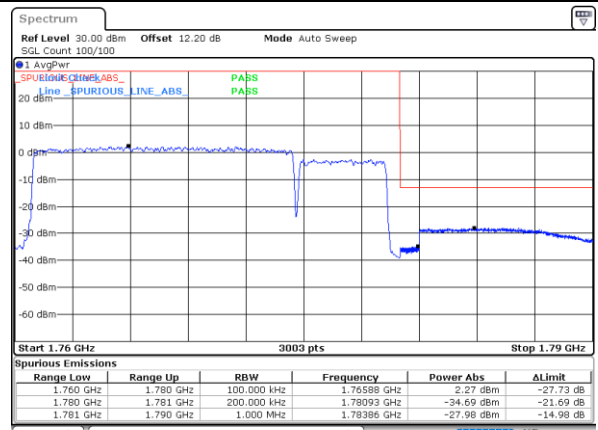
Date: 28\_JAN,2022 16:22:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 16:31:29



Date: 28\_JAN,2022 16:17:57

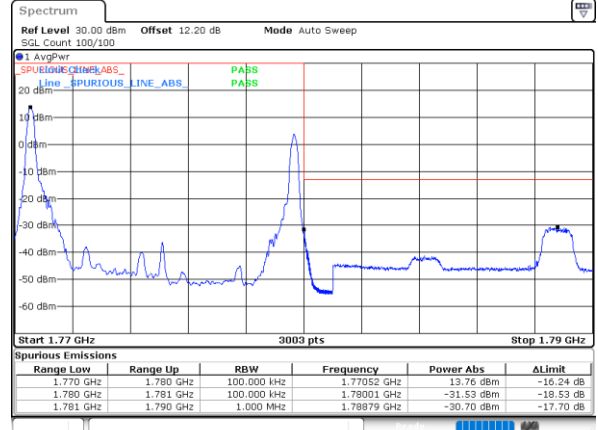
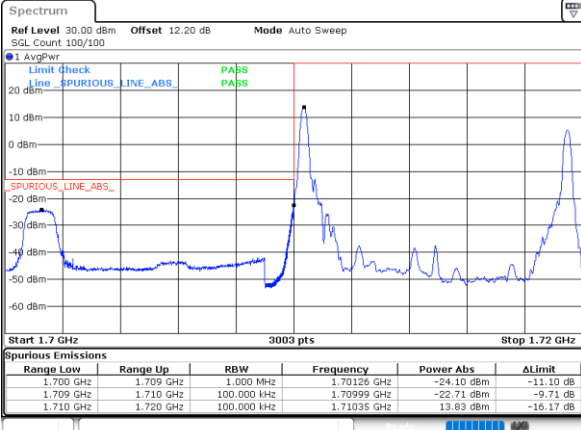


LTE Band 66B / 5MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

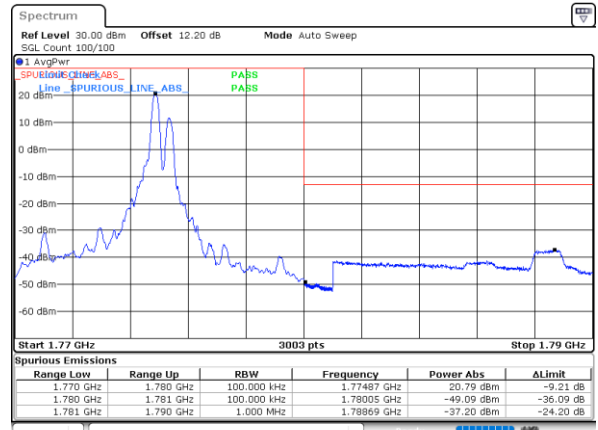
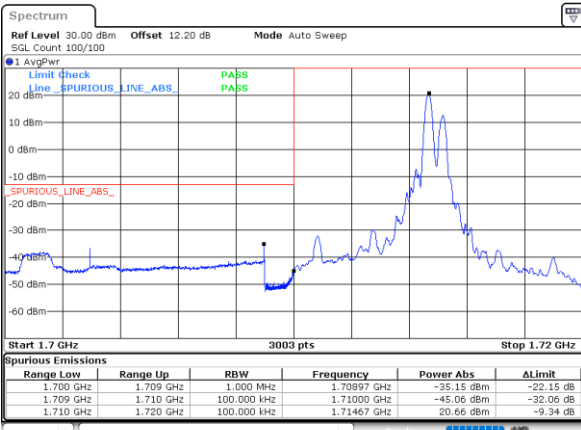


Date: 28, JAN, 2022 10:47:03

Date: 28, JAN, 2022 10:33:30

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

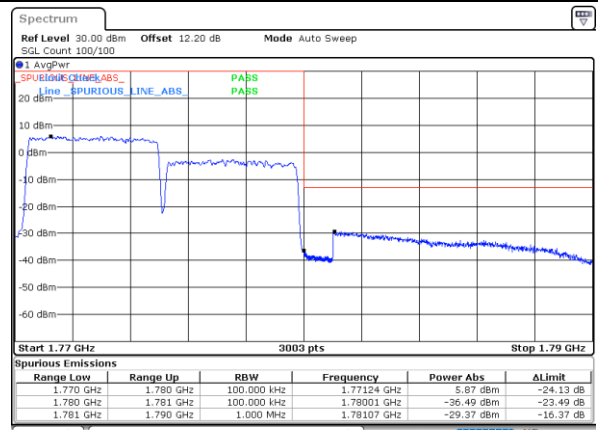
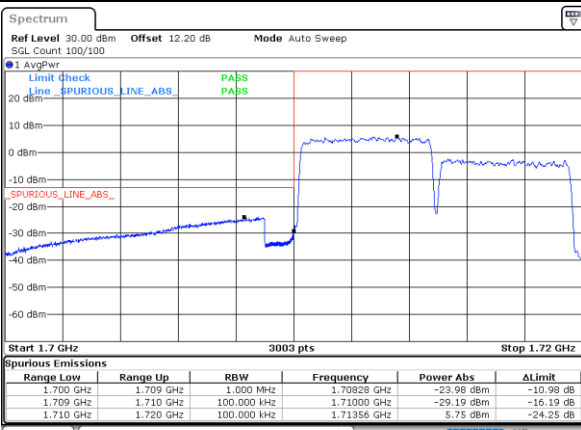


Date: 28, JAN, 2022 10:51:55

Date: 28, JAN, 2022 10:38:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28, JAN, 2022 10:42:11

Date: 28, JAN, 2022 10:28:39

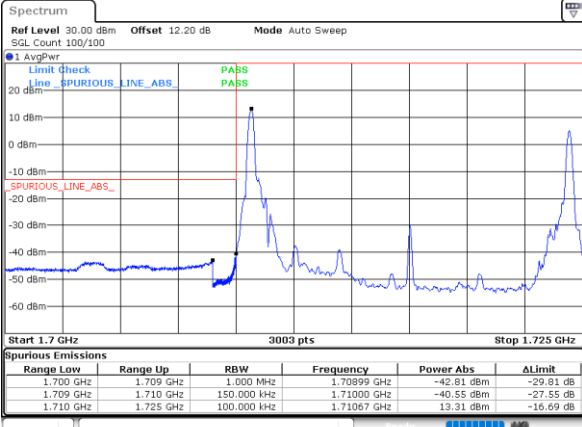


LTE Band 66B / 5MHz+10MHz

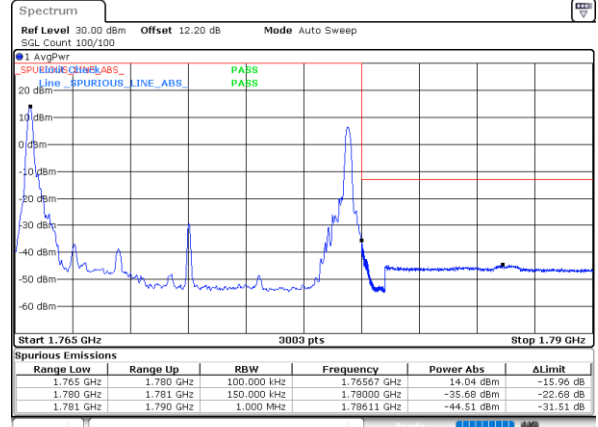
16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



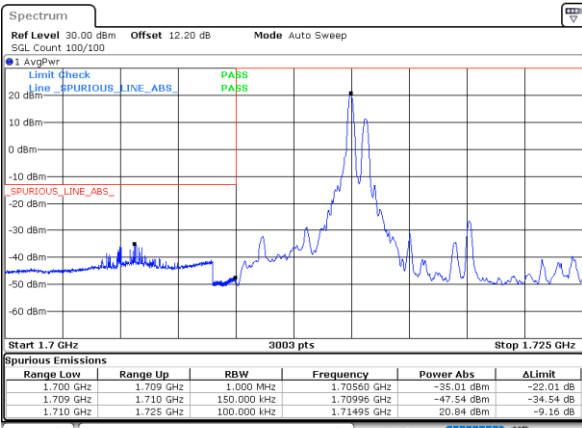
Date: 28\_JAN,2022 14:00:15



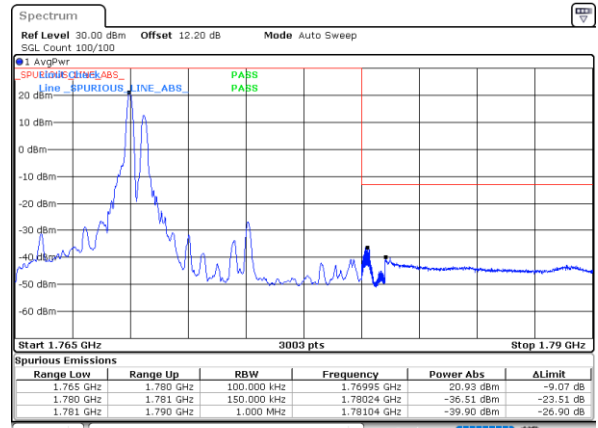
Date: 28\_JAN,2022 13:46:40

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



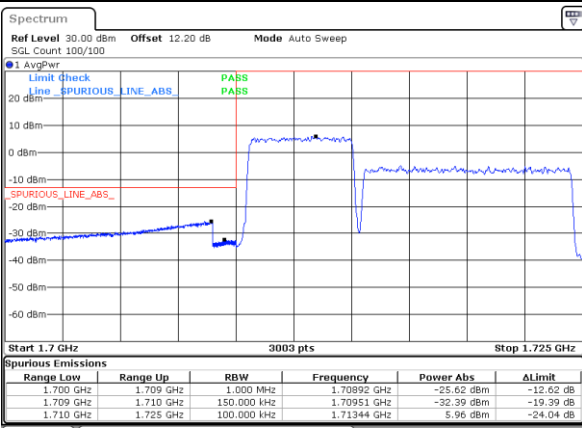
Date: 28\_JAN,2022 14:06:08



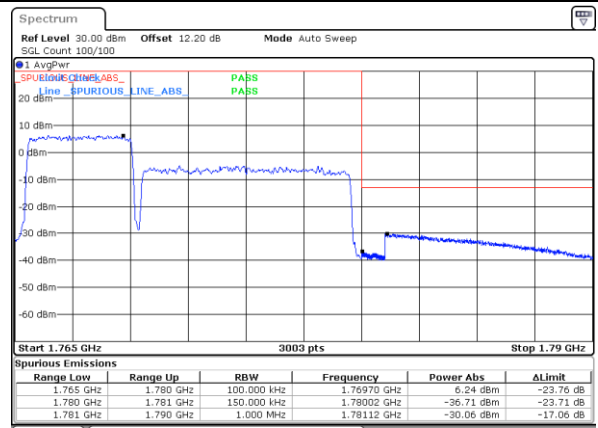
Date: 28\_JAN,2022 13:51:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28\_JAN,2022 13:55:23



Date: 28\_JAN,2022 13:41:49