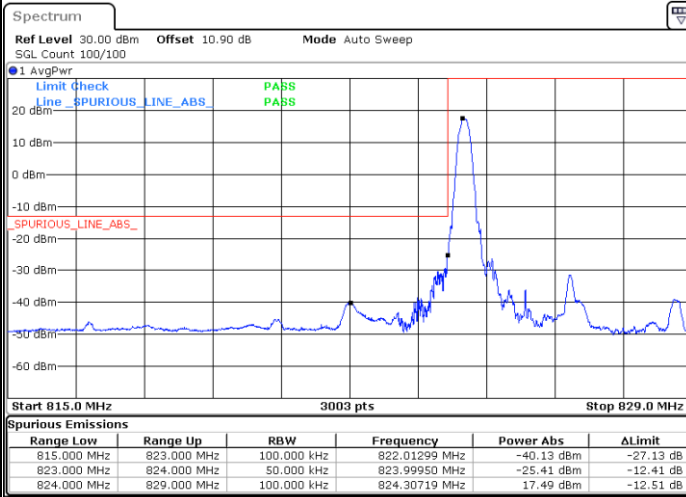


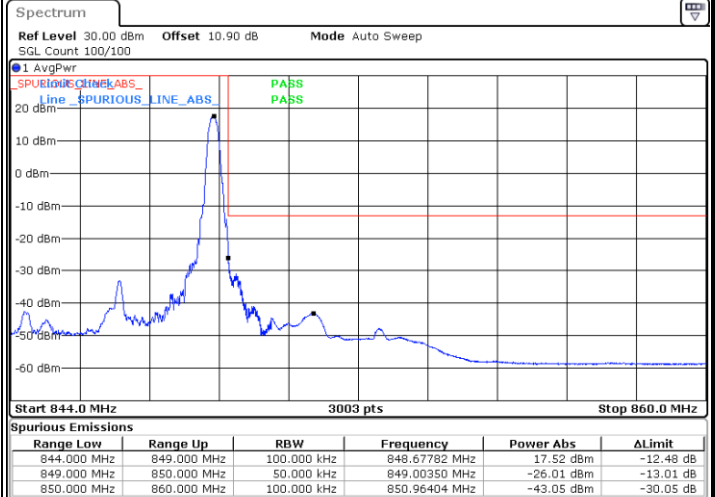


LTE Band 26 / 5MHz / 256QAM

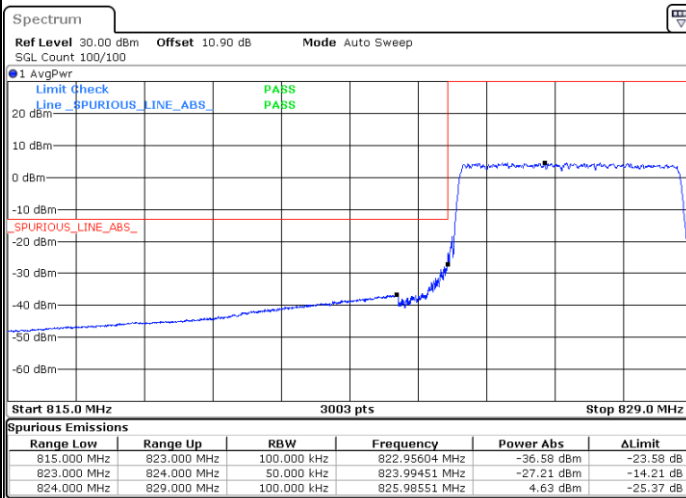
Lowest Band Edge / 1RB



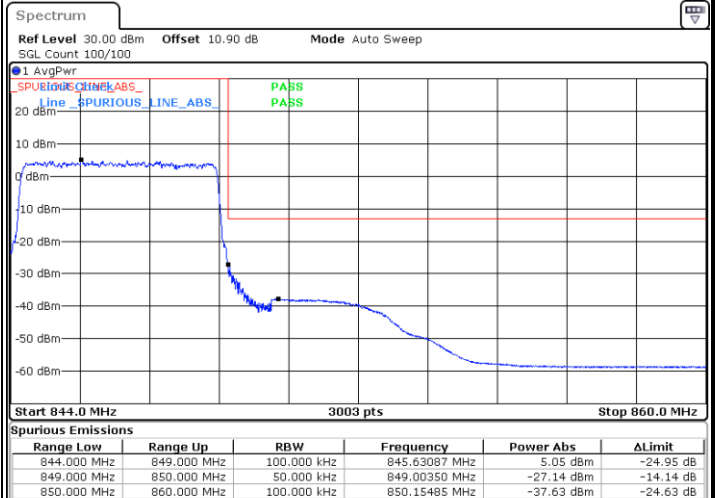
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



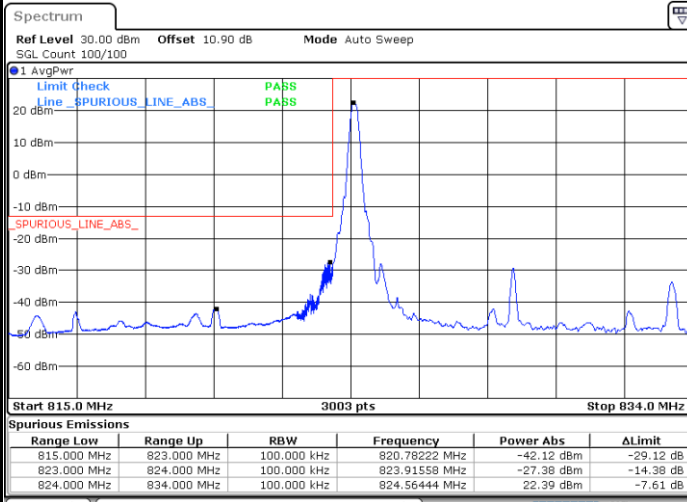
Highest Band Edge / Full RB





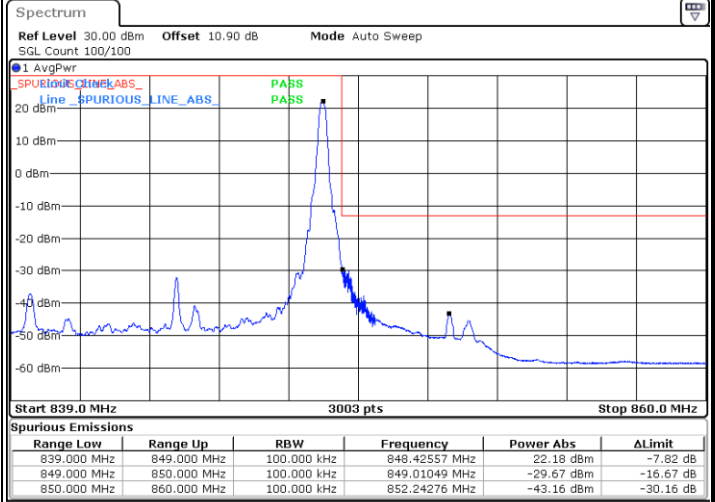
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



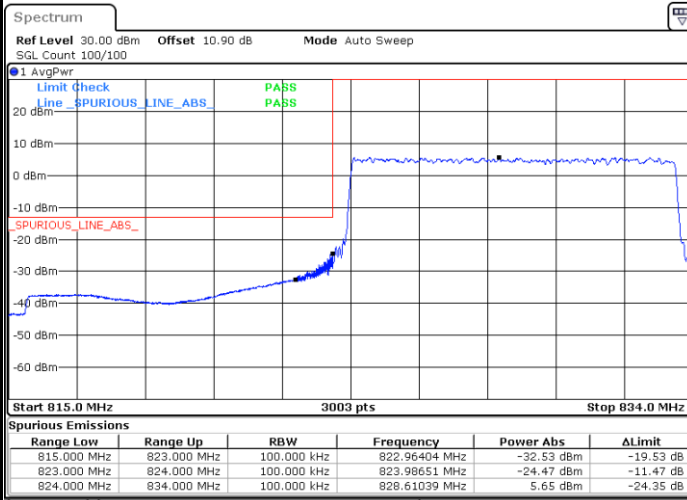
Date: 22.NOV.2021 10:30:37

Highest Band Edge / 1 RB



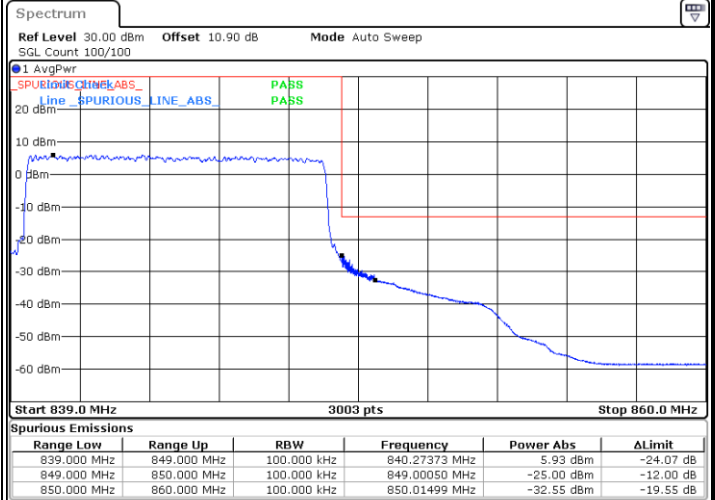
Date: 22.NOV.2021 10:33:56

Lowest Band Edge / Full RB



Date: 22.NOV.2021 10:28:36

Highest Band Edge / Full RB

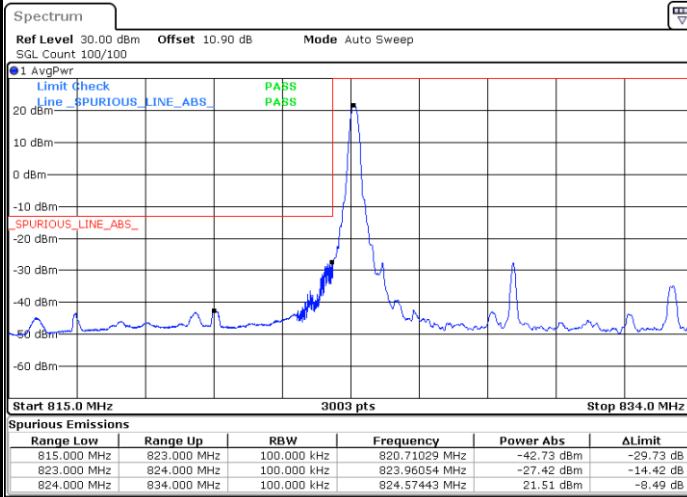


Date: 22.NOV.2021 10:36:06



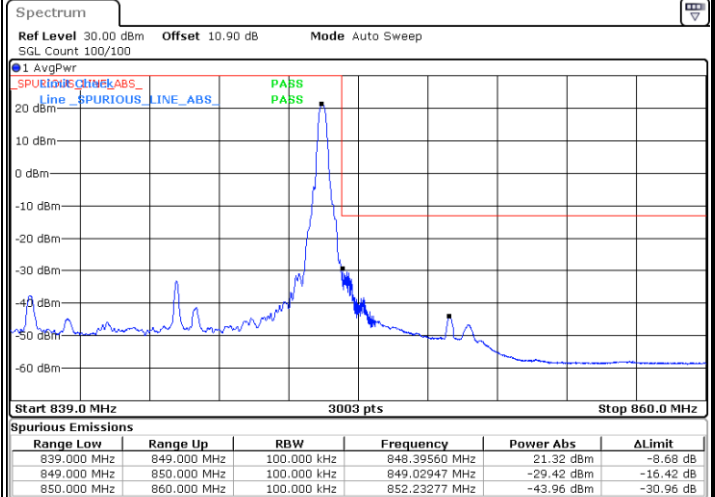
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



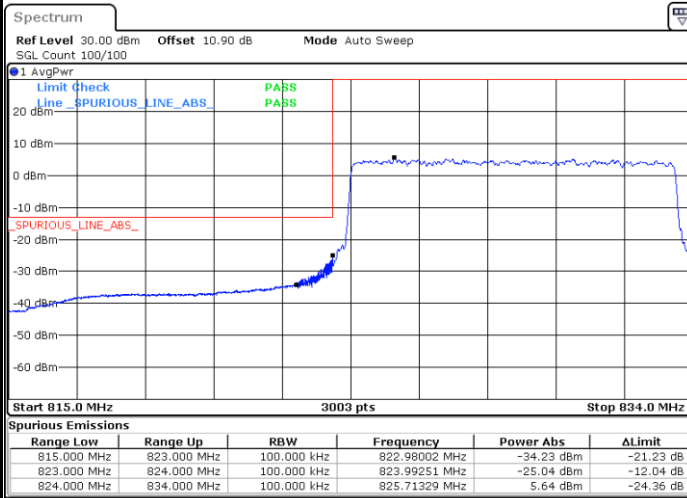
Date: 22.NOV.2021 10:29:57

Highest Band Edge / 1 RB



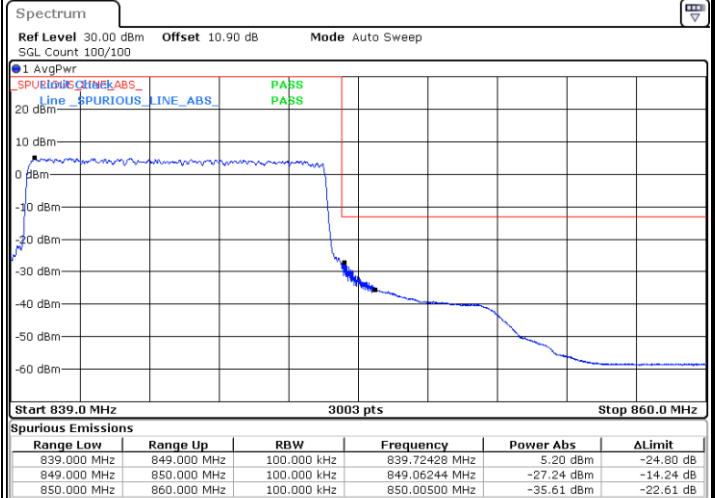
Date: 22.NOV.2021 10:34:40

Lowest Band Edge / Full RB



Date: 22.NOV.2021 10:29:16

Highest Band Edge / Full RB

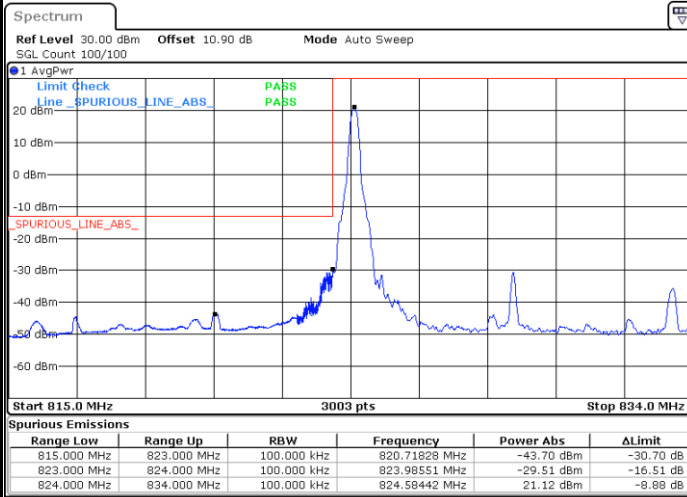


Date: 22.NOV.2021 10:35:23



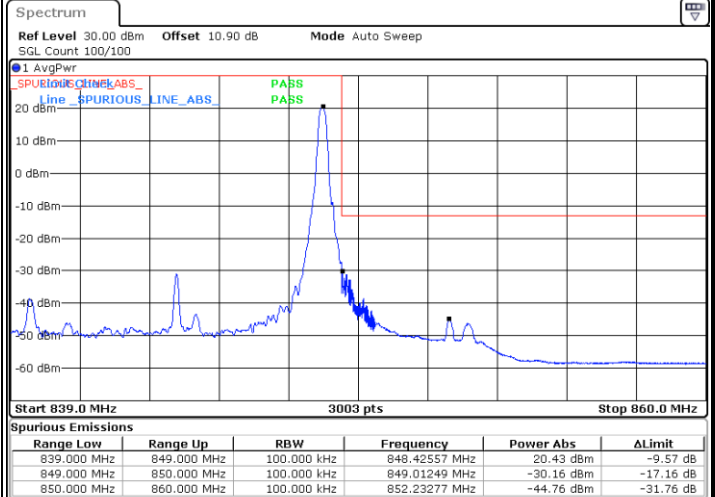
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



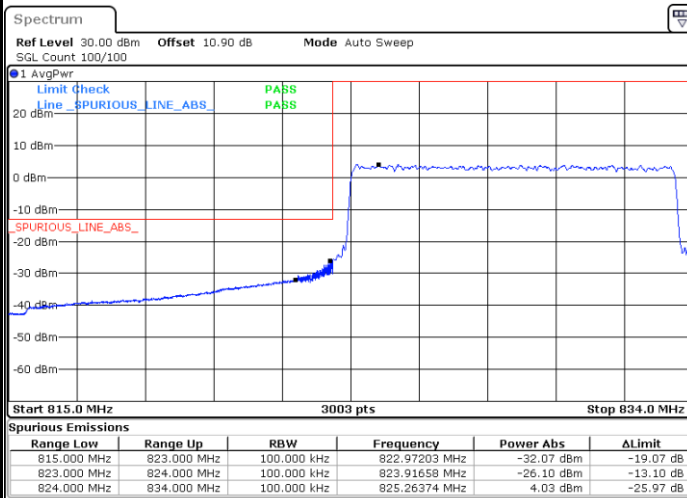
Date: 22.NOV.2021 10:38:03

Highest Band Edge / 1 RB



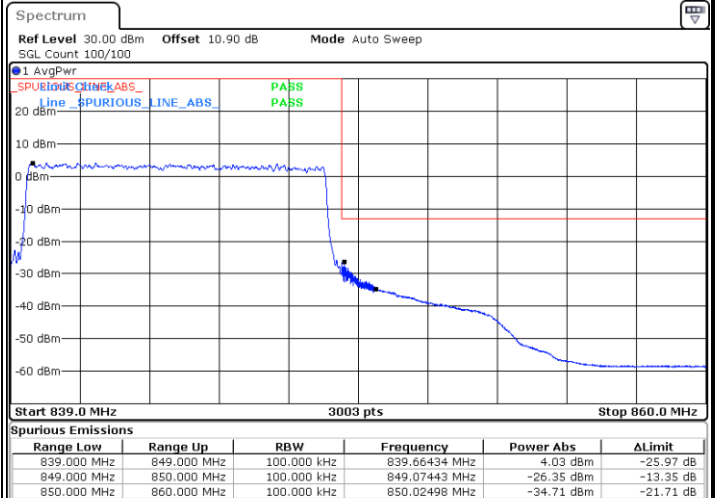
Date: 22.NOV.2021 10:39:28

Lowest Band Edge / Full RB



Date: 22.NOV.2021 10:37:22

Highest Band Edge / Full RB

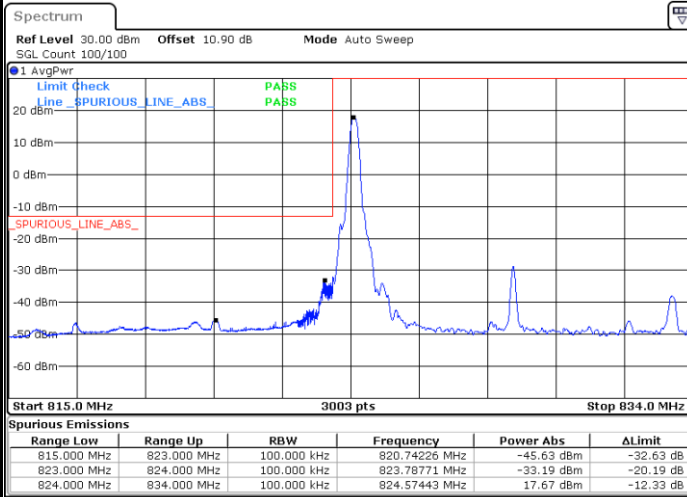


Date: 22.NOV.2021 10:40:12



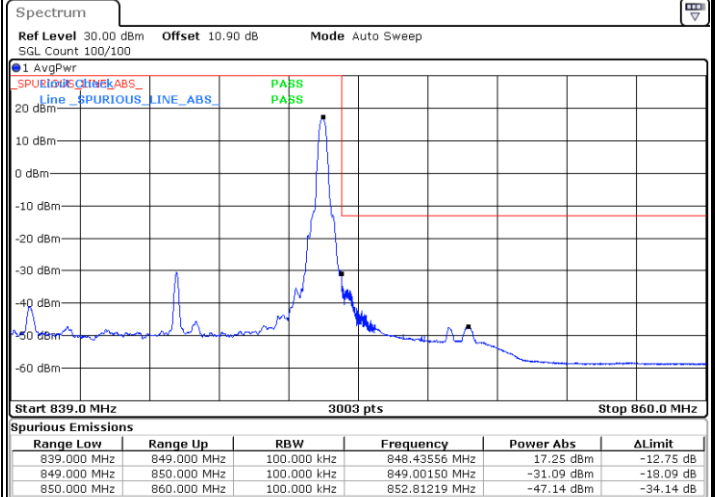
LTE Band 26 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



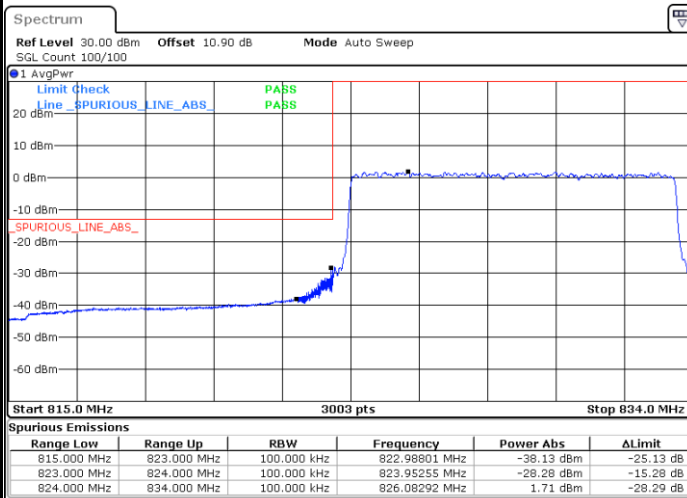
Date: 26.NOV.2021 14:18:05

Highest Band Edge / 1 RB



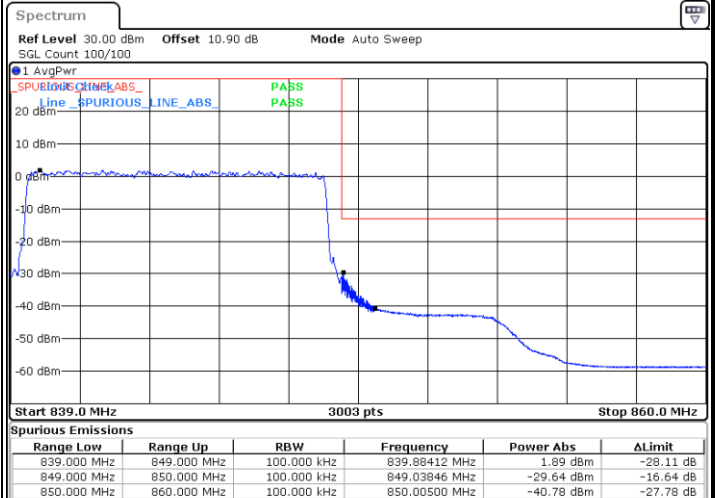
Date: 26.NOV.2021 14:19:20

Lowest Band Edge / Full RB



Date: 26.NOV.2021 14:17:27

Highest Band Edge / Full RB

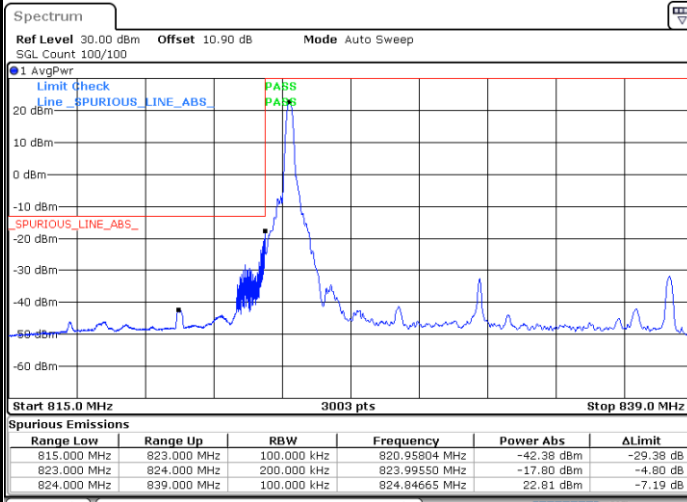


Date: 26.NOV.2021 14:20:03



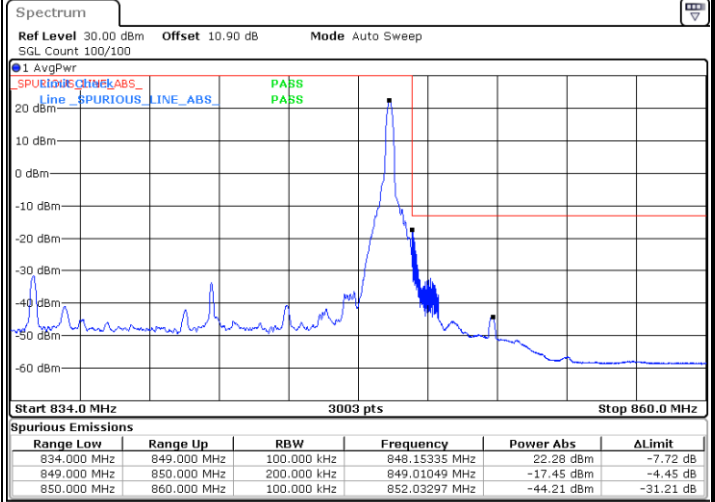
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



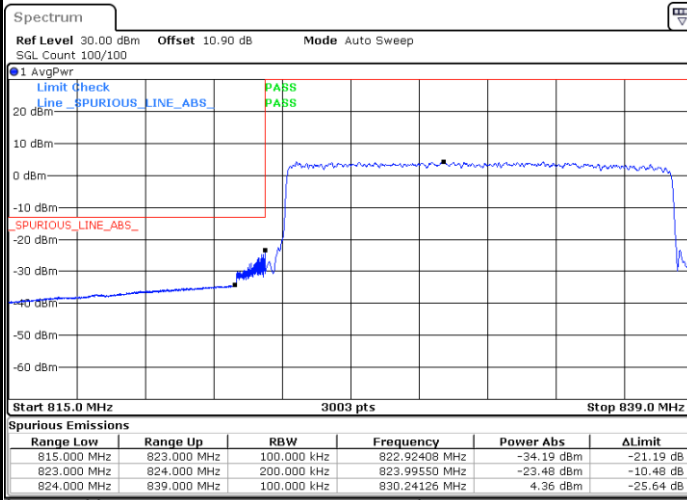
Date: 22.NOV.2021 11:07:41

Highest Band Edge / 1 RB



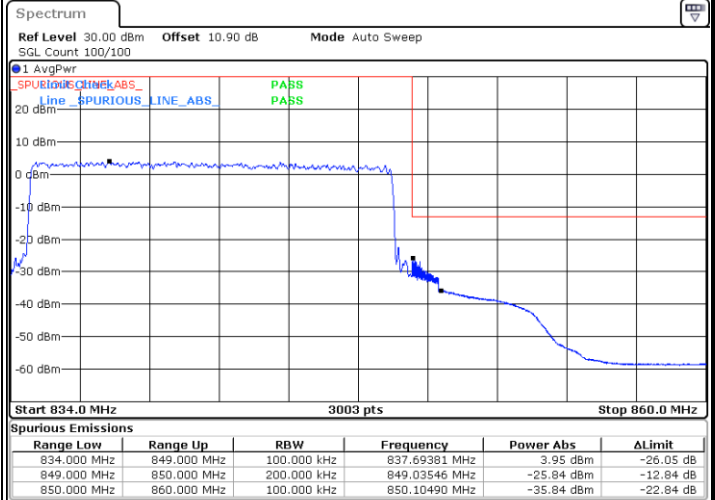
Date: 22.NOV.2021 11:10:59

Lowest Band Edge / Full RB



Date: 22.NOV.2021 11:05:42

Highest Band Edge / Full RB

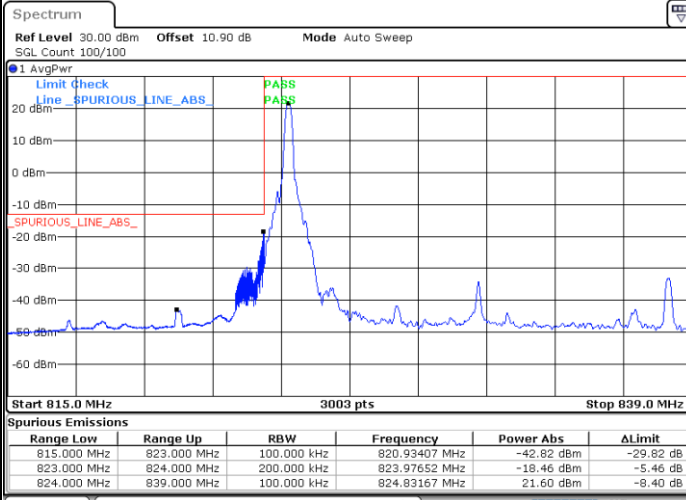


Date: 22.NOV.2021 11:13:09



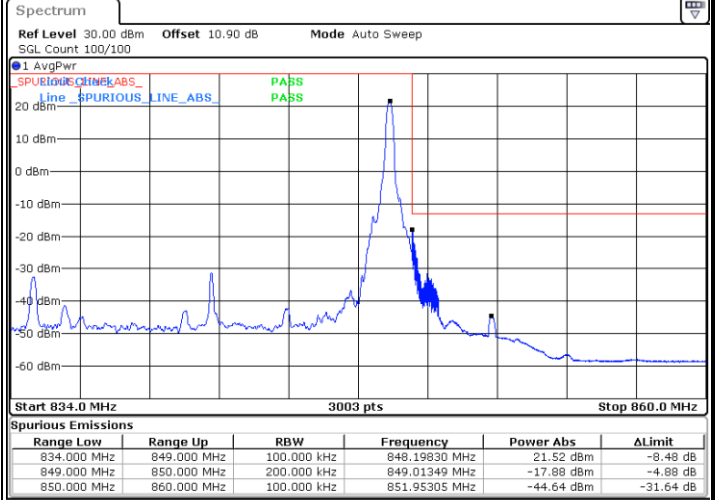
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



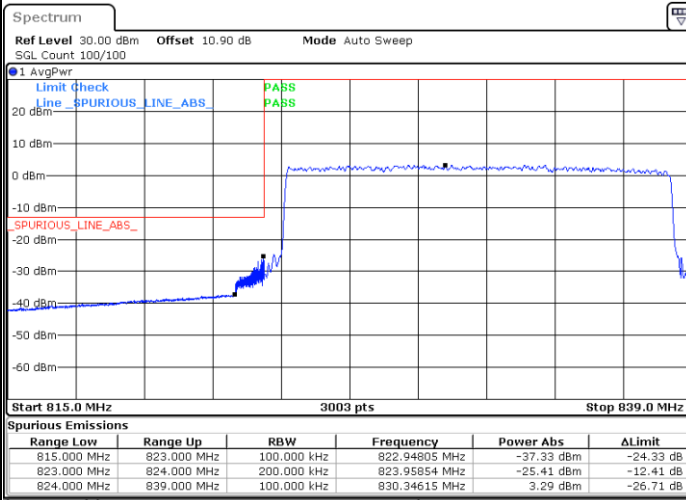
Date: 22.NOV.2021 11:07:01

Highest Band Edge / 1 RB



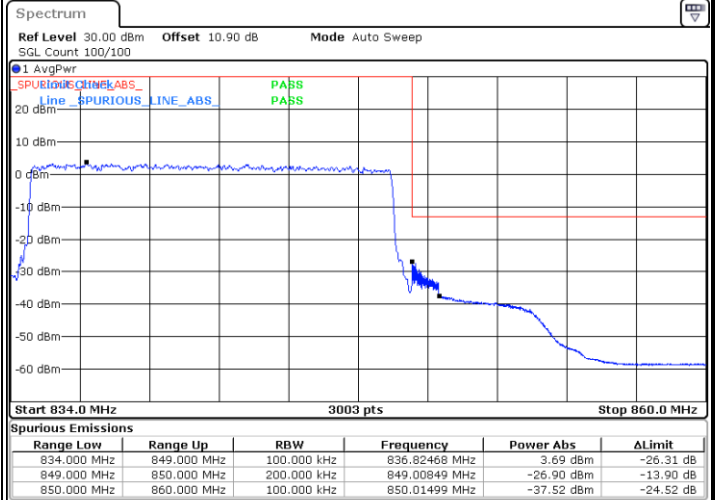
Date: 22.NOV.2021 11:11:42

Lowest Band Edge / Full RB



Date: 22.NOV.2021 11:06:21

Highest Band Edge / Full RB

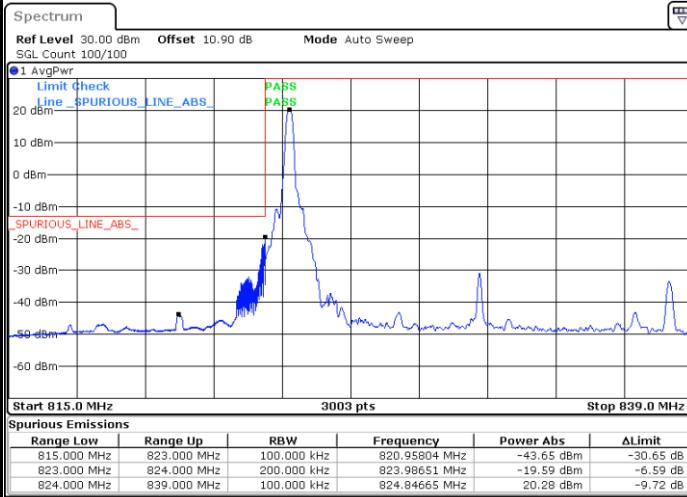


Date: 22.NOV.2021 11:12:25



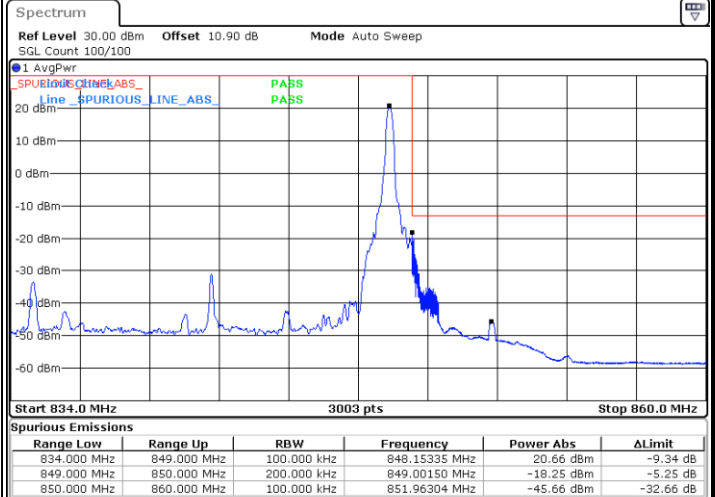
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



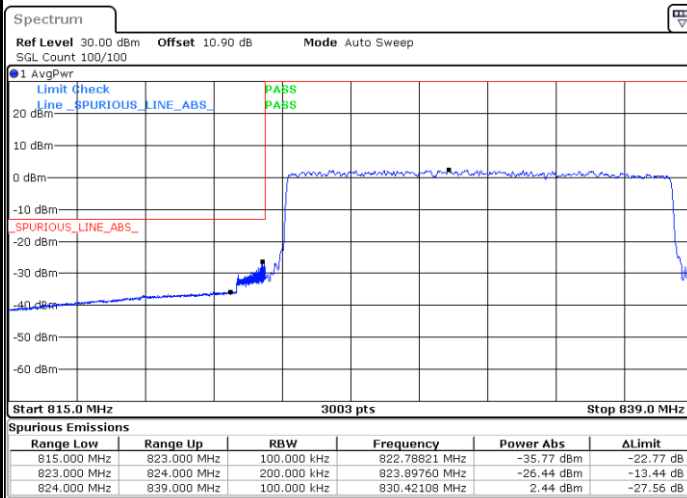
Date: 22.NOV.2021 11:02:53

Highest Band Edge / 1 RB



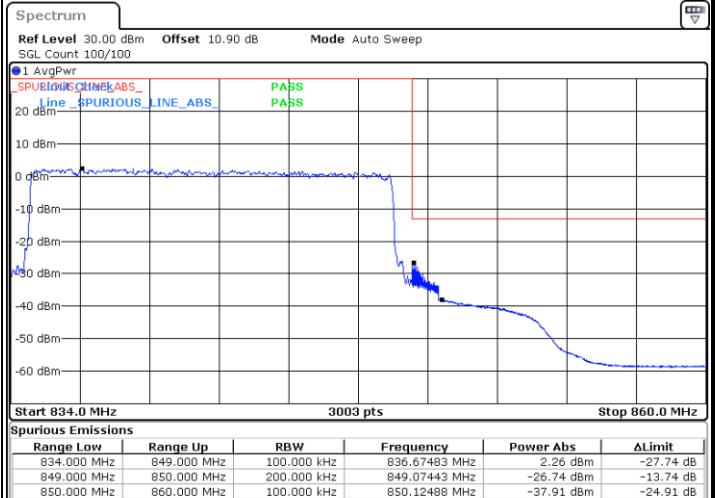
Date: 22.NOV.2021 11:04:19

Lowest Band Edge / Full RB



Date: 22.NOV.2021 11:02:13

Highest Band Edge / Full RB



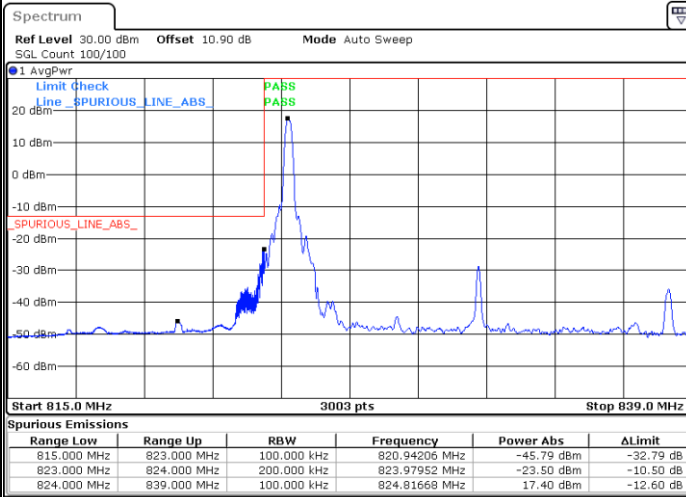
Date: 22.NOV.2021 11:05:02





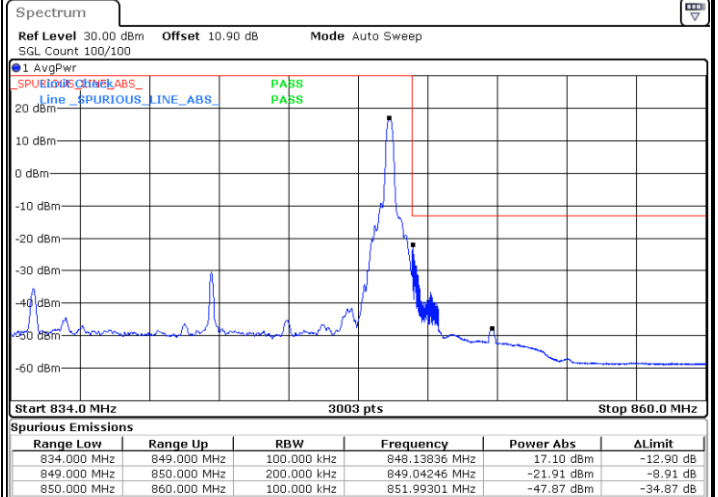
LTE Band 26 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



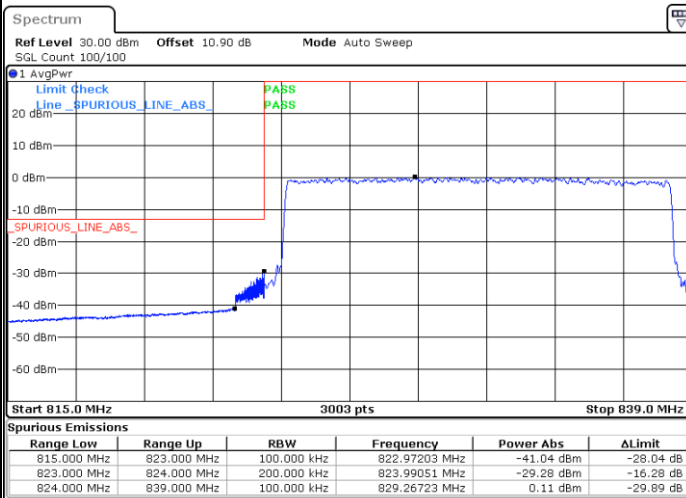
Date: 26.NOV.2021 14:22:59

Highest Band Edge / 1 RB



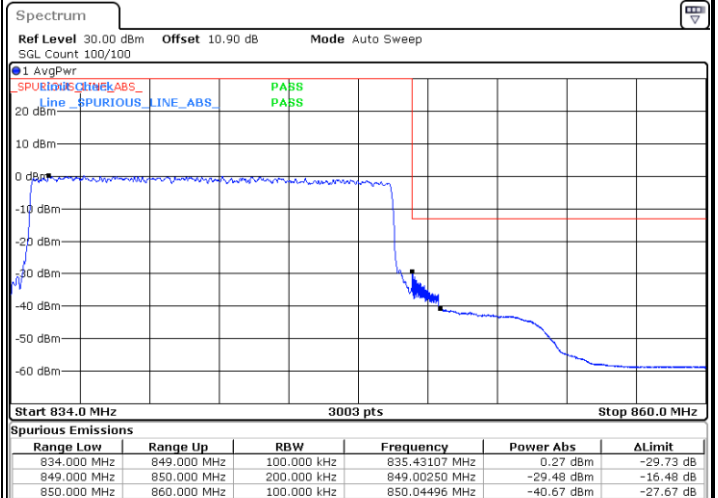
Date: 26.NOV.2021 14:25:09

Lowest Band Edge / Full RB



Date: 26.NOV.2021 14:22:26

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:23:57

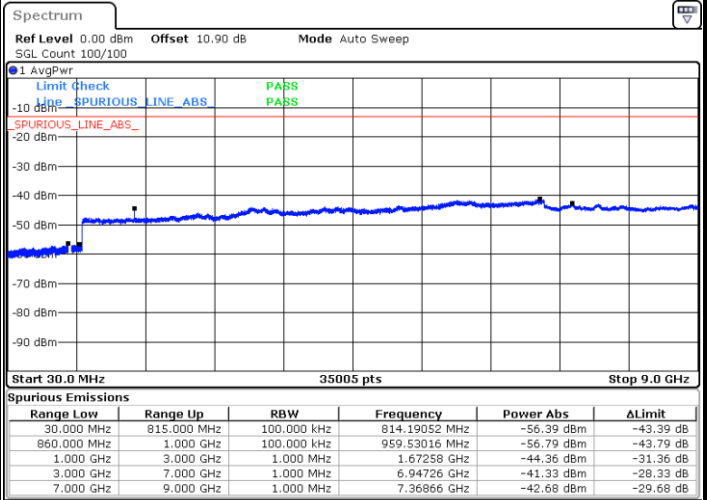
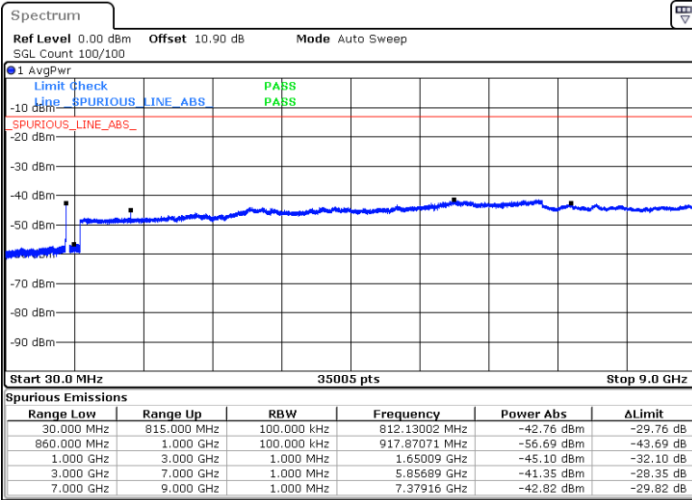


# Conducted Spurious Emission

## LTE Band 26 / 1.4MHz

### Lowest Channel / QPSK

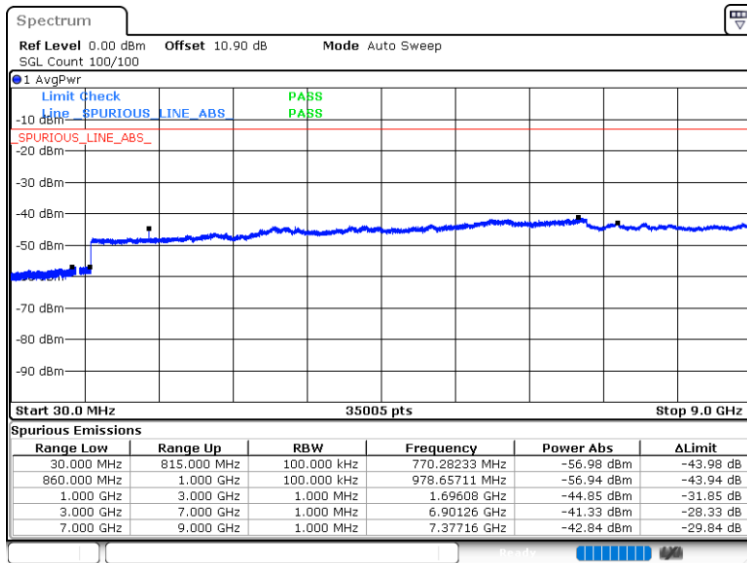
### Middle Channel / QPSK



Date: 22.NOV.2021 09:52:20

Date: 22.NOV.2021 09:54:21

### Highest Channel / QPSK



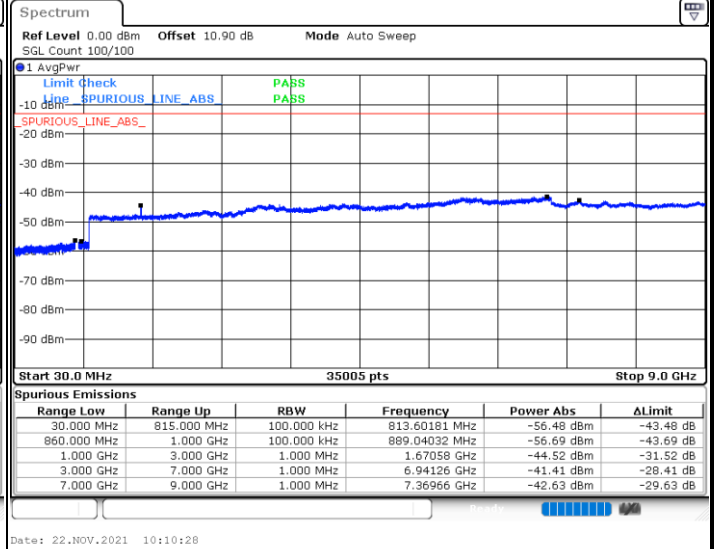
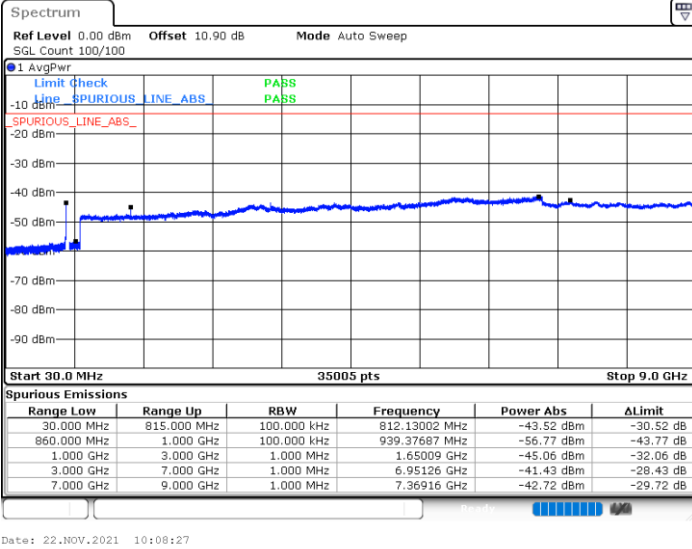
Date: 22.NOV.2021 09:57:48



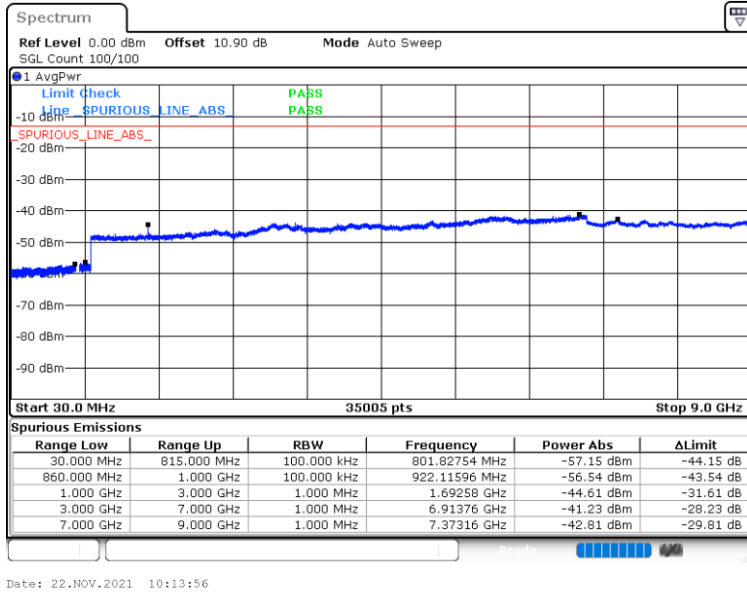
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

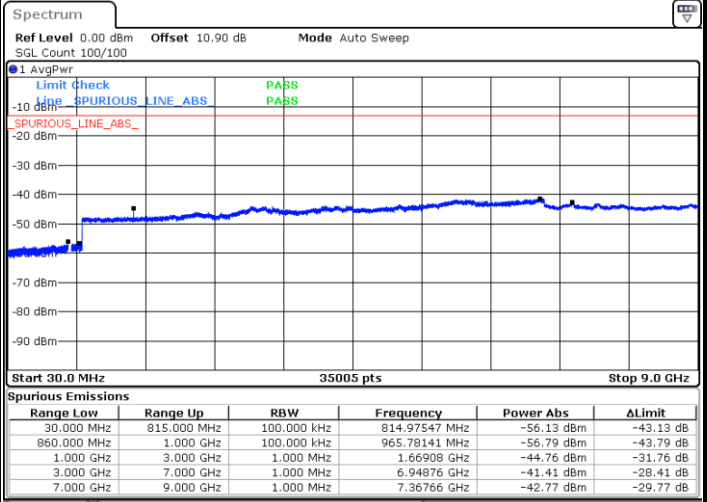
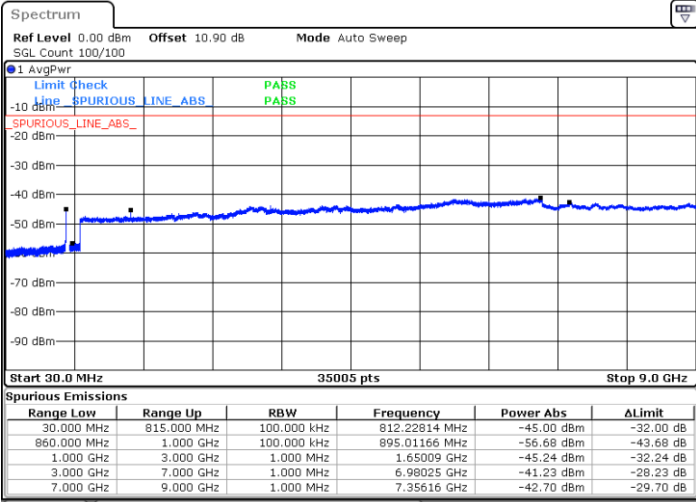




LTE Band 26 / 5MHz

Lowest Channel / QPSK

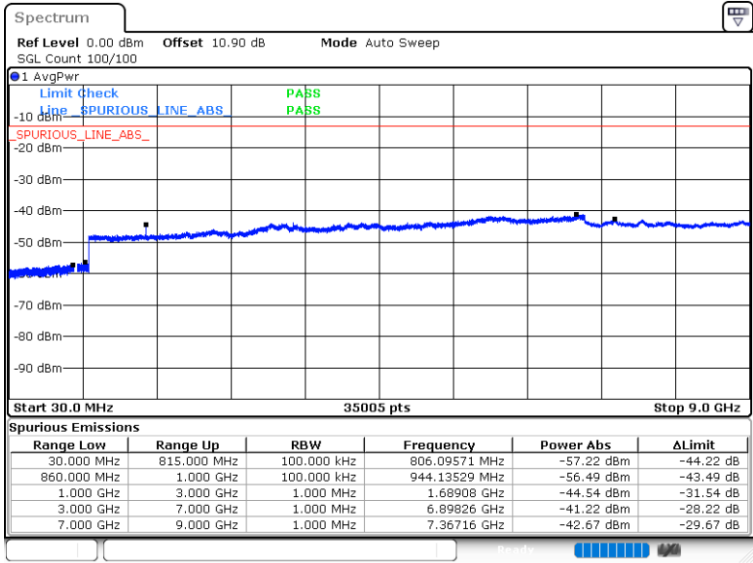
Middle Channel / QPSK



Date: 22.NOV.2021 10:18:10

Date: 22.NOV.2021 10:20:12

Highest Channel / QPSK



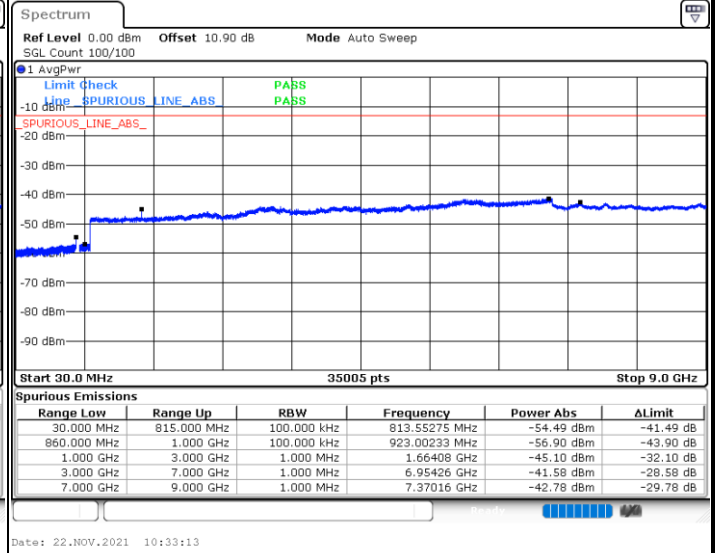
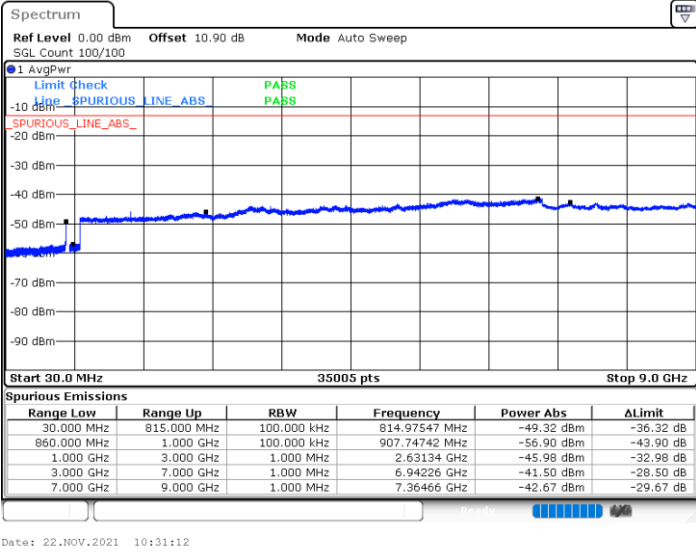
Date: 22.NOV.2021 10:23:40



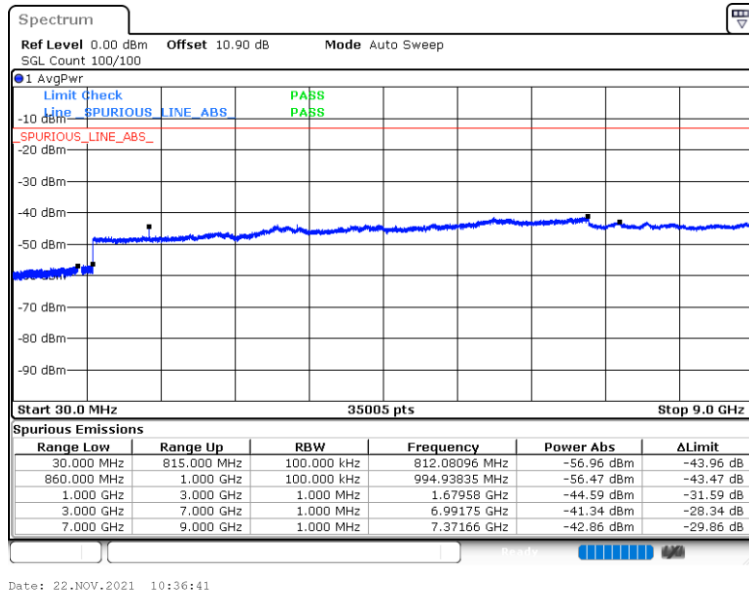
LTE Band 26 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

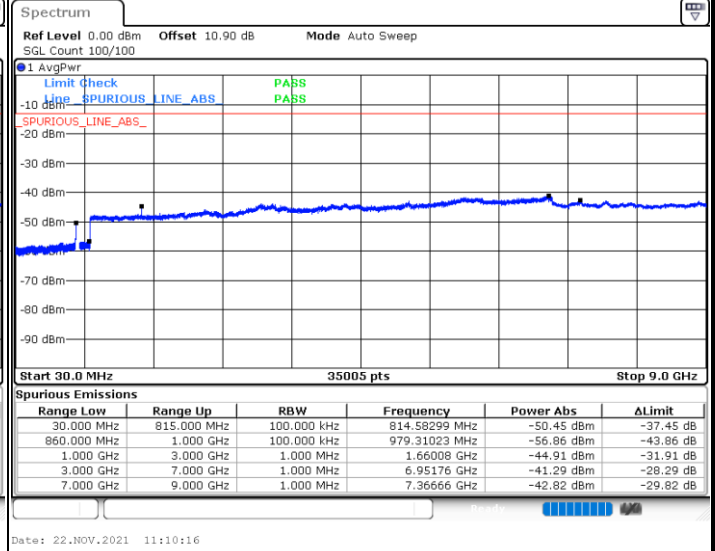
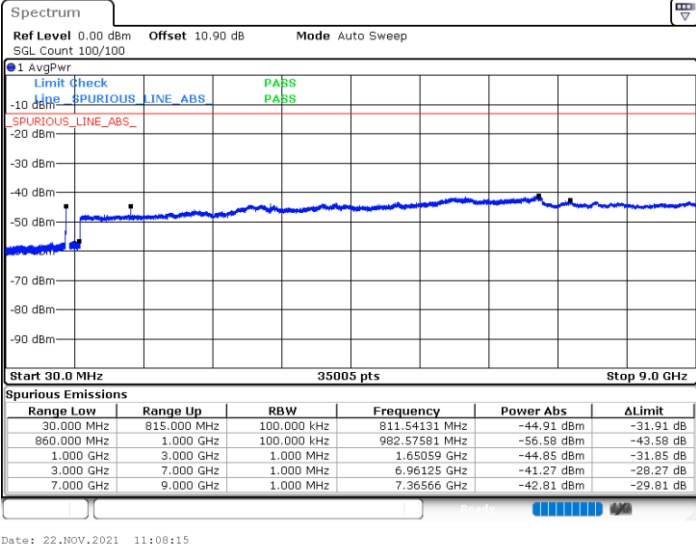




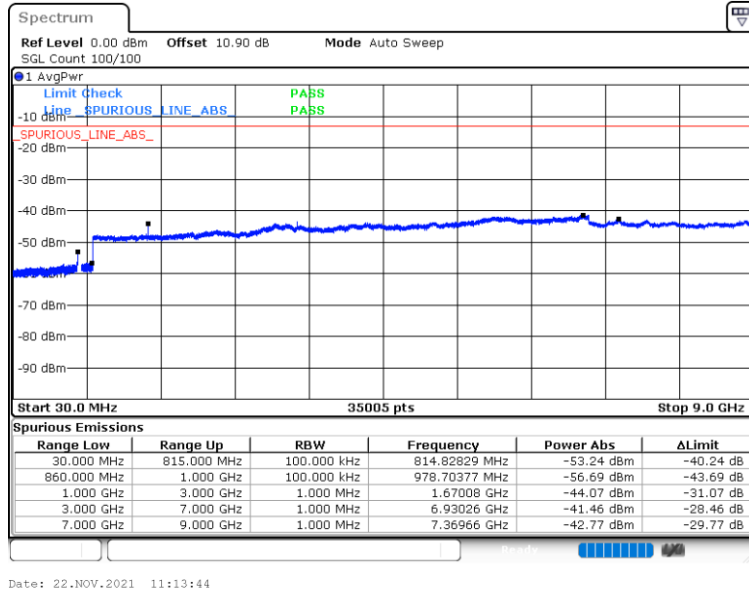
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0020                              | PASS    |
| 40               | Normal Voltage    | 0.0036                              |         |
| 30               | Normal Voltage    | 0.0136                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0077                              |         |
| 0                | Normal Voltage    | 0.0087                              |         |
| -10              | Normal Voltage    | 0.0141                              |         |
| -20              | Normal Voltage    | 0.0025                              |         |
| -30              | Normal Voltage    | 0.0062                              |         |
| 20               | Maximum Voltage   | 0.0068                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0093                              |         |

**Note:**

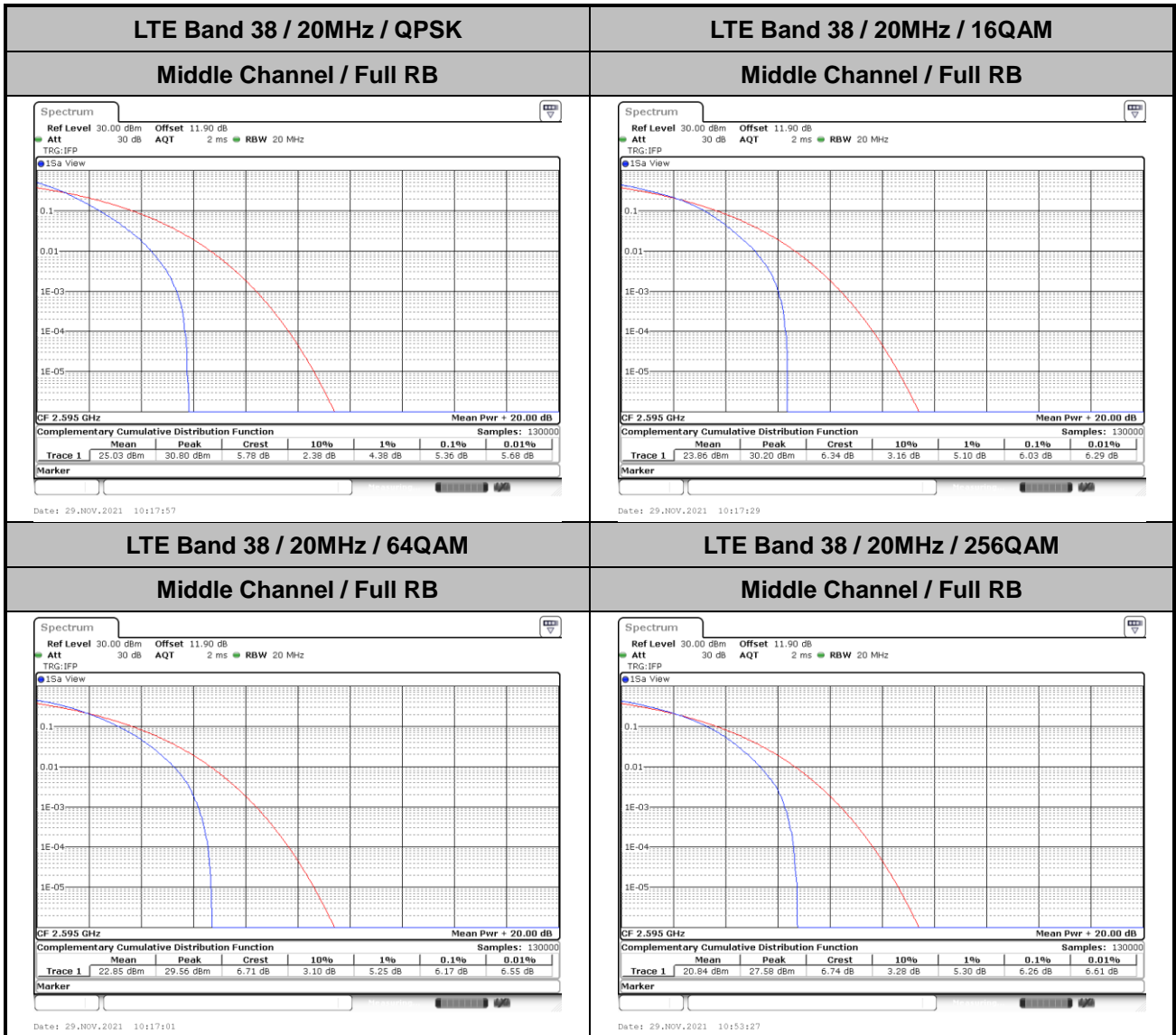
- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 38\_HPUE

## Peak-to-Average Ratio

| Mode      | LTE Band 38 / 20MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 5.36                | 6.03    | 6.17    | 6.26    | PASS        |







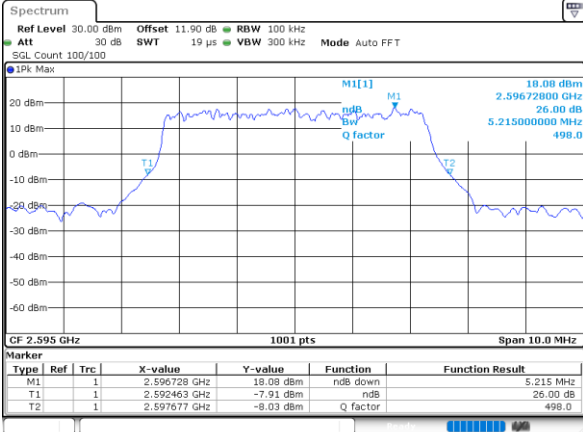
**26dB Bandwidth**

| Mode      | LTE Band 38 : 26dB BW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
|-----------|----------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| BW        | 1.4MHz                     |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | QPSK                       | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   |
| Middle CH | -                          | -       | -     | -       | 5.22  | 4.96    | 9.67  | 9.99    | 15.05 | 14.12   | 19.02 | 18.94   |
| Mode      | LTE Band 38 : 26dB BW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
| BW        | 1.4MHz                     |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | 64QAM                      | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM |
| Middle CH | -                          | -       | -     | -       | 5.04  | 5.01    | 9.65  | 10.41   | 14.09 | 14.54   | 19.10 | 18.62   |



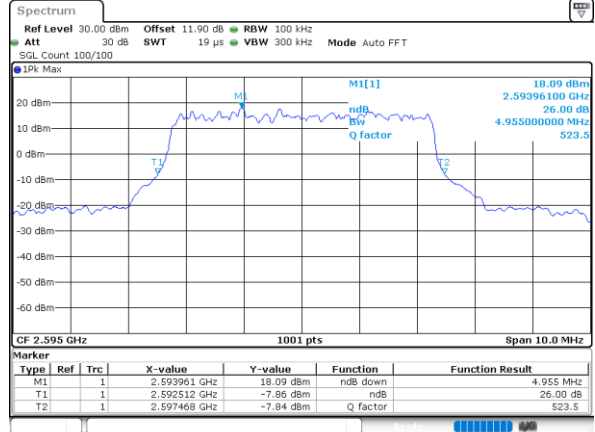
LTE Band 38

Middle Channel / 5MHz / QPSK



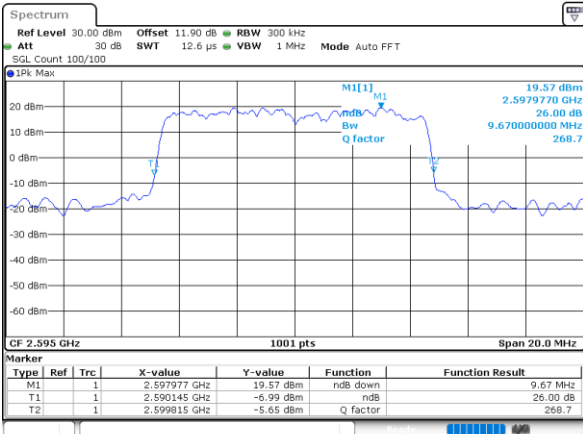
Date: 29\_NOV.2021 10:06:40

Middle Channel / 5MHz / 16QAM



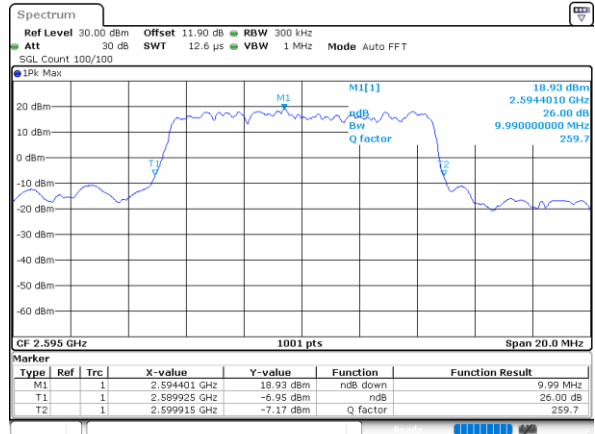
Date: 29\_NOV.2021 10:07:30

Middle Channel / 10MHz / QPSK



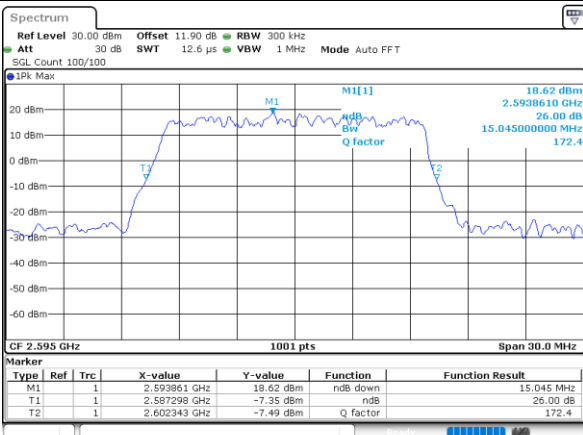
Date: 29\_NOV.2021 10:09:02

Middle Channel / 10MHz / 16QAM



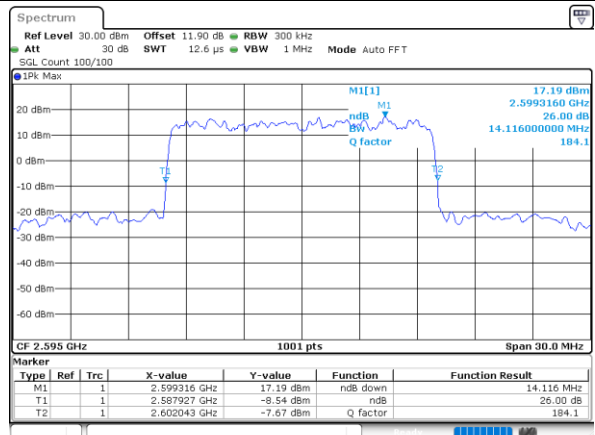
Date: 29\_NOV.2021 10:09:23

Middle Channel / 15MHz / QPSK



Date: 29\_NOV.2021 10:10:43

Middle Channel / 15MHz / 16QAM

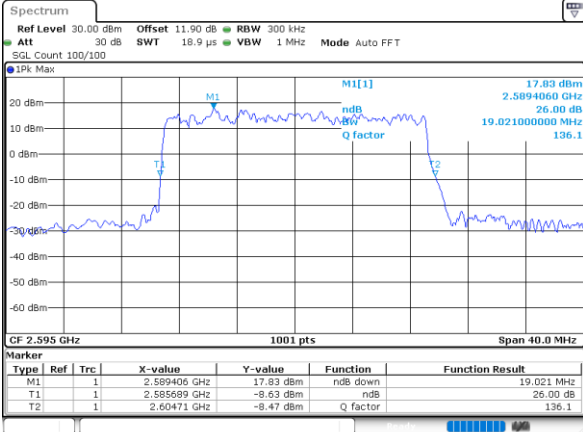


Date: 29\_NOV.2021 10:11:04



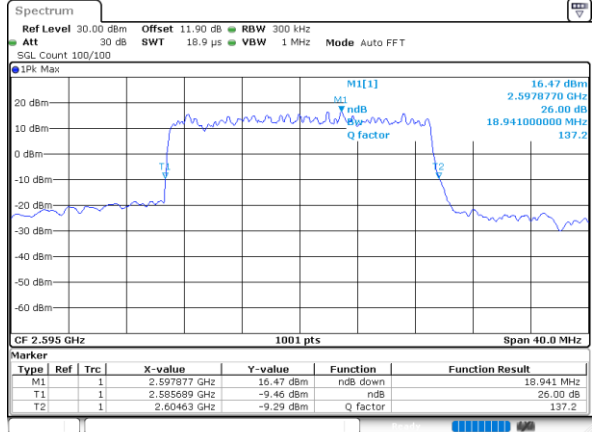
LTE Band 38

Middle Channel / 20MHz / QPSK



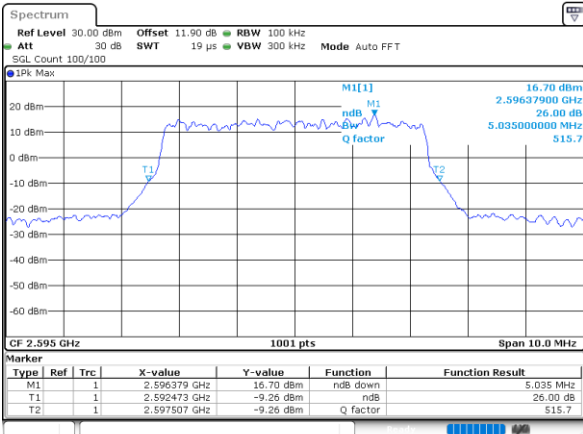
Date: 29\_NOV.2021 10:12:20

Middle Channel / 20MHz / 16QAM



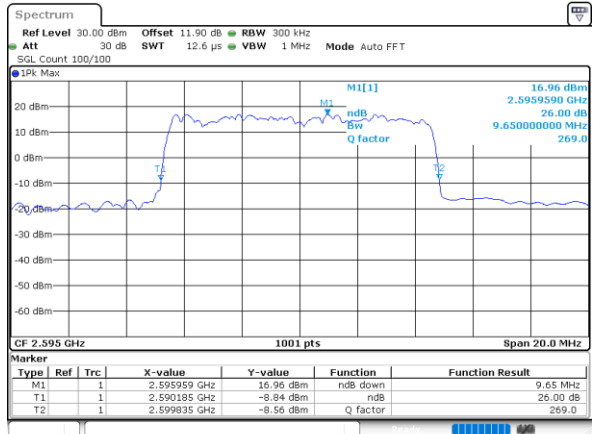
Date: 29\_NOV.2021 10:12:48

Middle Channel / 5MHz / 64QAM



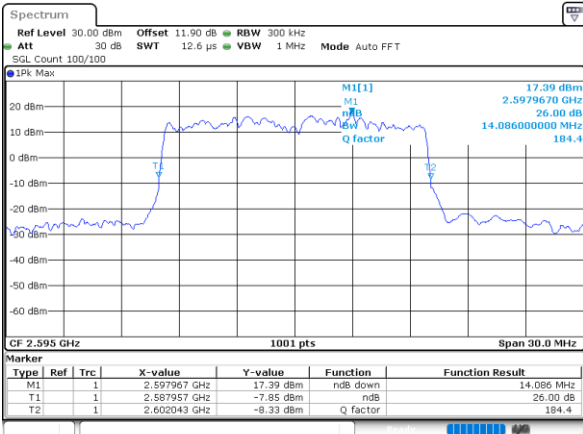
Date: 29\_NOV.2021 10:13:54

Middle Channel / 10MHz / 64QAM



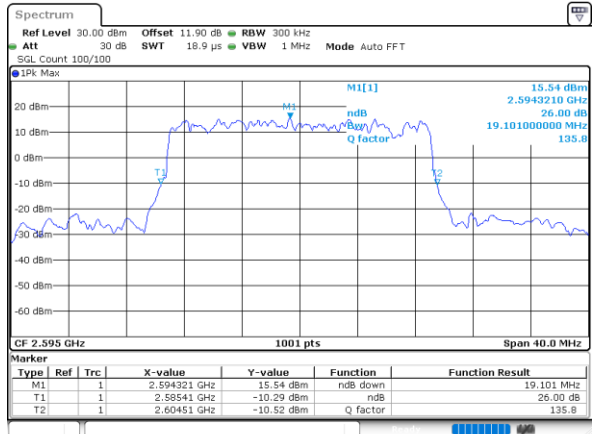
Date: 29\_NOV.2021 10:14:54

Middle Channel / 15MHz / 64QAM



Date: 29\_NOV.2021 10:15:47

Middle Channel / 20MHz / 64QAM

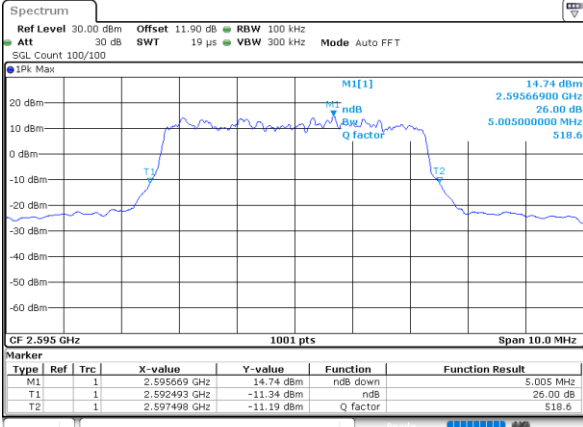


Date: 29\_NOV.2021 10:16:35



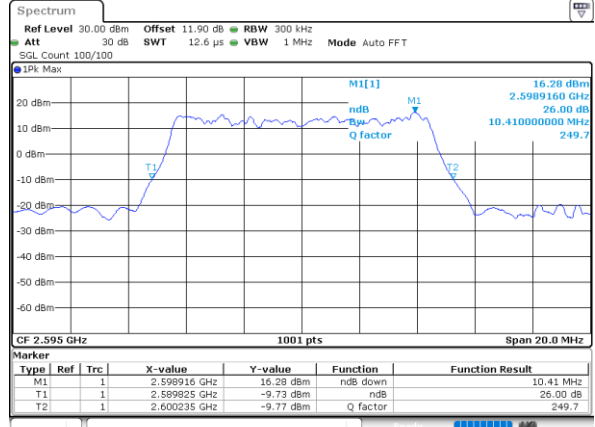
LTE Band 38

Middle Channel / 5MHz / 256QAM



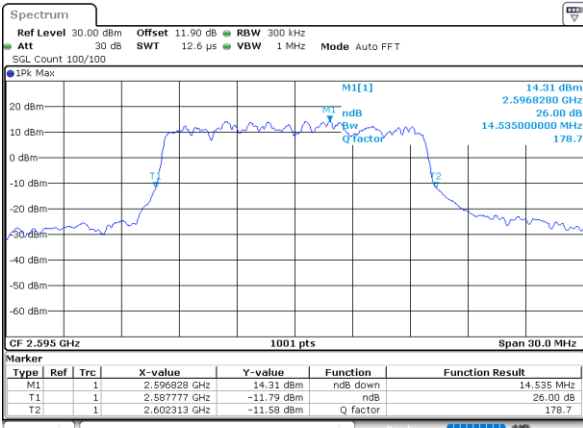
Date: 29.NOV.2021 10:35:55

Middle Channel / 10MHz / 256QAM



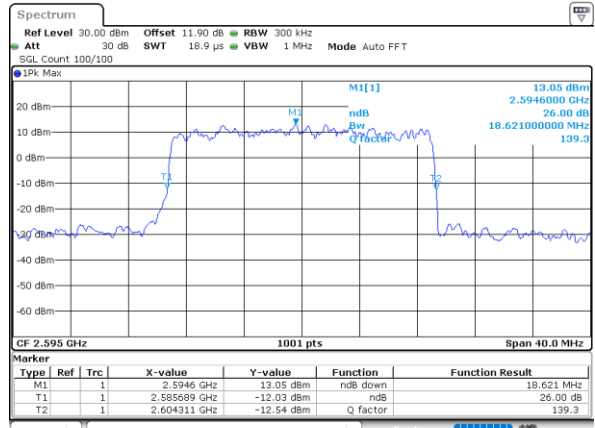
Date: 29.NOV.2021 10:36:38

Middle Channel / 15MHz / 256QAM



Date: 29.NOV.2021 10:40:55

Middle Channel / 20MHz / 256QAM



Date: 29.NOV.2021 10:53:06



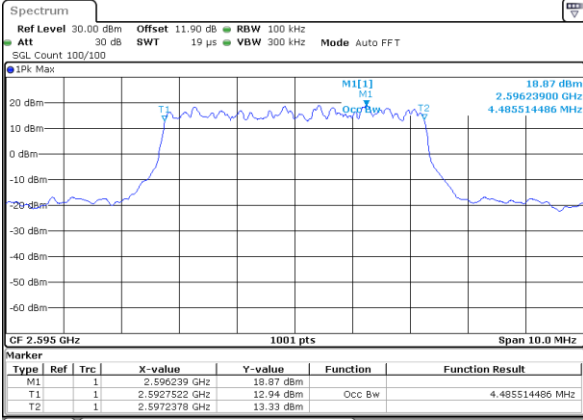
**Occupied Bandwidth**

| Mode      | LTE Band 38 : 99%OBW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
|-----------|---------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| BW        | 1.4MHz                    |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | QPSK                      | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   |
| Middle CH | -                         | -       | -     | -       | 4.49  | 4.48    | 9.01  | 9.07    | 13.40 | 13.40   | 17.86 | 17.86   |
| Mode      | LTE Band 38 : 99%OBW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
| BW        | 1.4MHz                    |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | 64QAM                     | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM |
| Middle CH | -                         | -       | -     | -       | 4.48  | 4.45    | 9.05  | 9.05    | 13.46 | 13.37   | 17.78 | 17.86   |



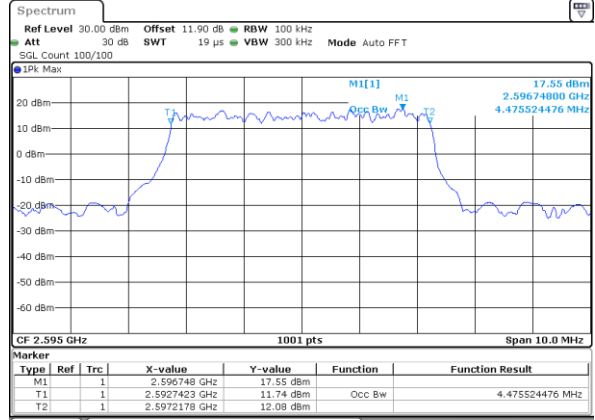
LTE Band 38

Middle Channel / 5MHz / QPSK



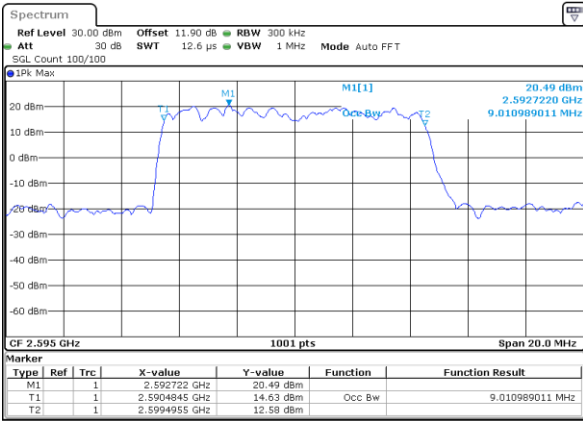
Date: 29\_NOV.2021 10:06:07

Middle Channel / 5MHz / 16QAM



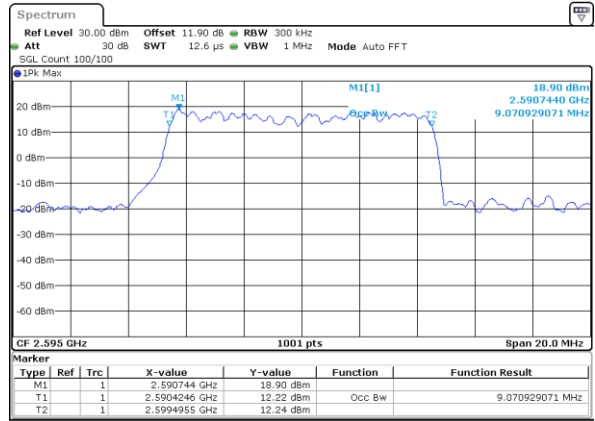
Date: 29\_NOV.2021 10:06:27

Middle Channel / 10MHz / QPSK



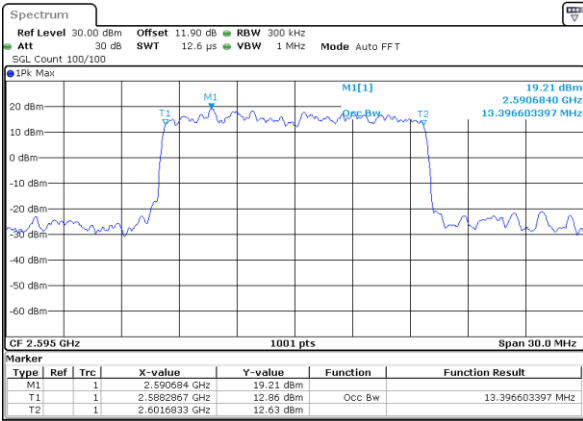
Date: 29\_NOV.2021 10:08:20

Middle Channel / 10MHz / 16QAM



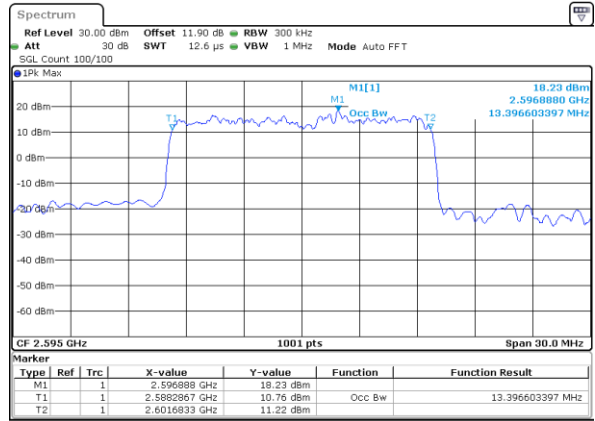
Date: 29\_NOV.2021 10:08:41

Middle Channel / 15MHz / QPSK



Date: 29\_NOV.2021 10:10:02

Middle Channel / 15MHz / 16QAM

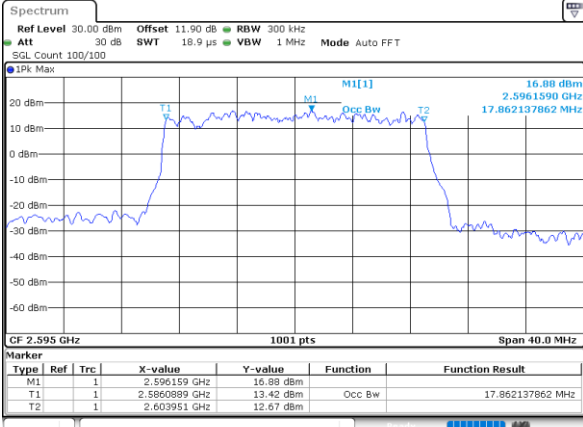


Date: 29\_NOV.2021 10:10:23



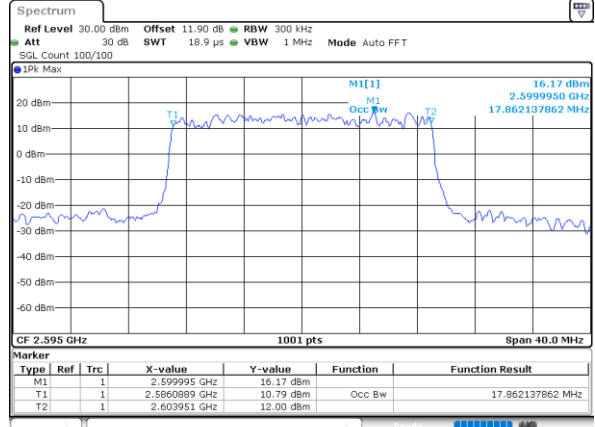
LTE Band 38

Middle Channel / 20MHz / QPSK



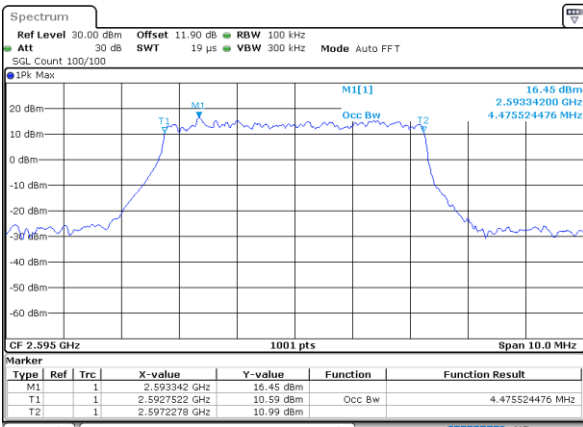
Date: 29\_NOV.2021 10:11:46

Middle Channel / 20MHz / 16QAM



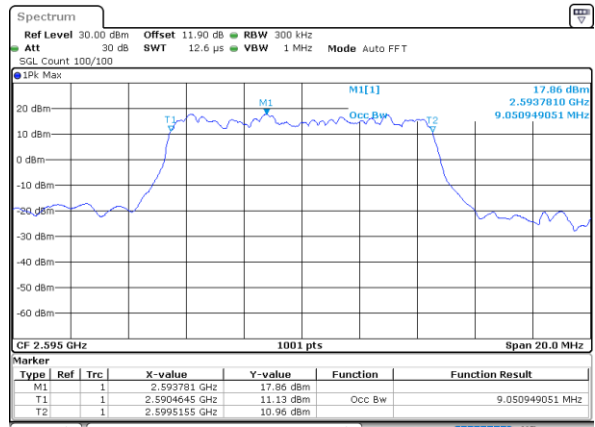
Date: 29\_NOV.2021 10:12:07

Middle Channel / 5MHz / 64QAM



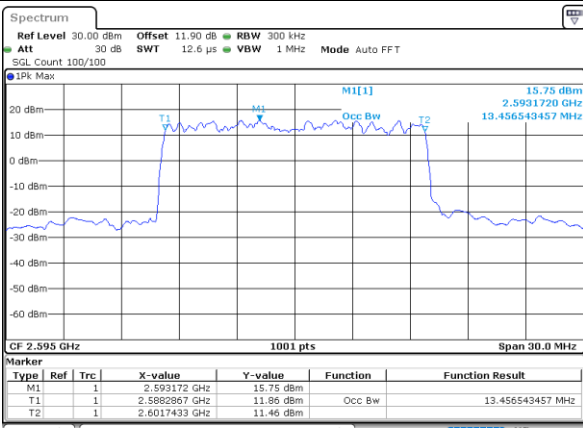
Date: 29\_NOV.2021 10:13:04

Middle Channel / 10MHz / 64QAM



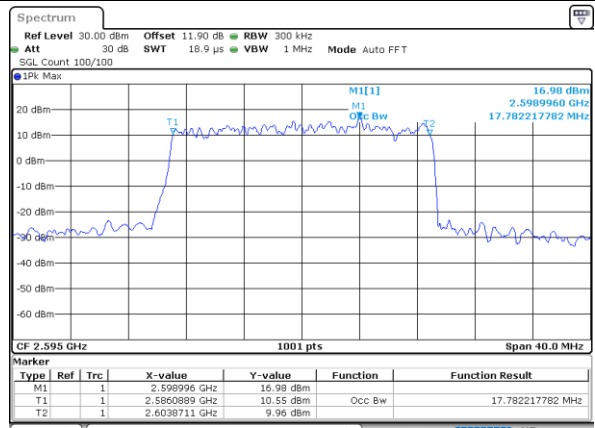
Date: 29\_NOV.2021 10:14:33

Middle Channel / 15MHz / 64QAM



Date: 29\_NOV.2021 10:15:26

Middle Channel / 20MHz / 64QAM

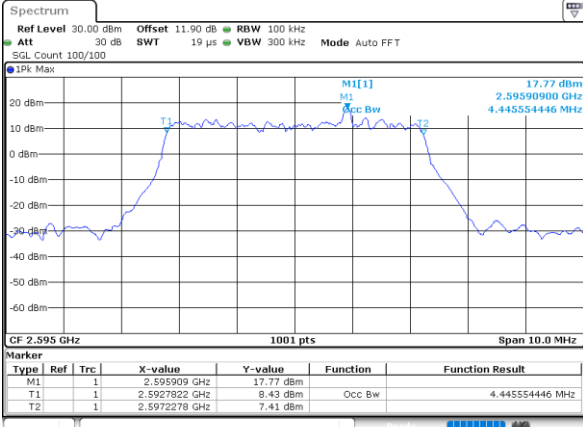


Date: 29\_NOV.2021 10:16:14



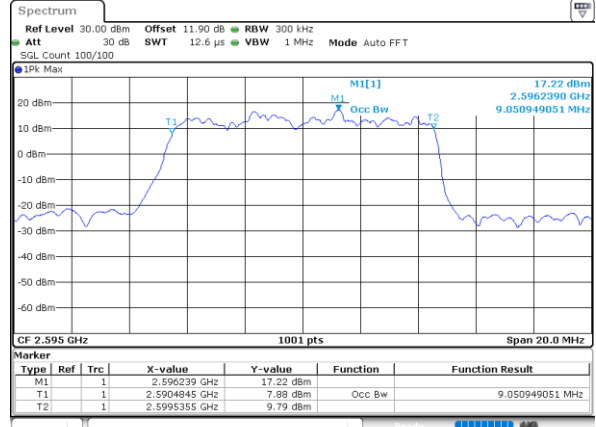
LTE Band 38

Middle Channel / 5MHz / 256QAM



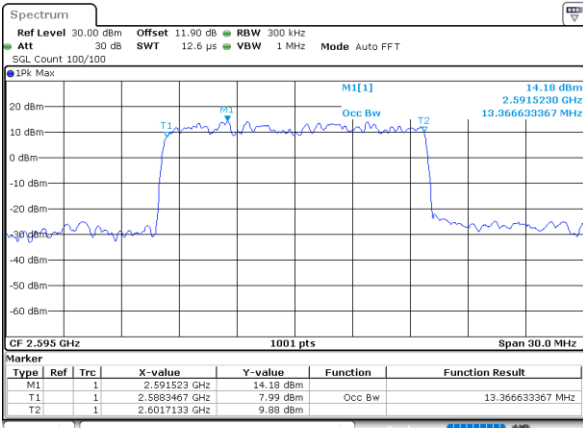
Date: 29.NOV.2021 10:35:46

Middle Channel / 10MHz / 256QAM



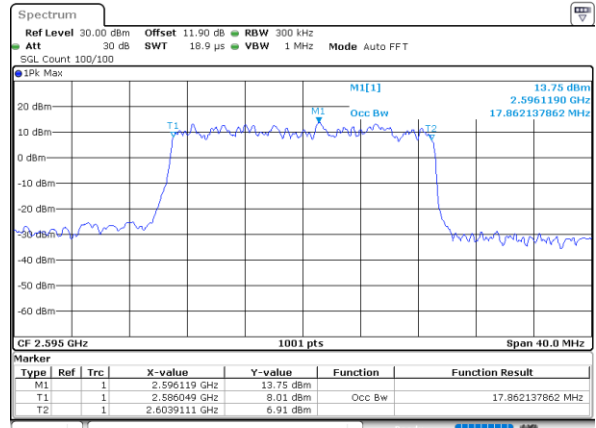
Date: 29.NOV.2021 10:36:29

Middle Channel / 15MHz / 256QAM



Date: 29.NOV.2021 10:40:45

Middle Channel / 20MHz / 256QAM

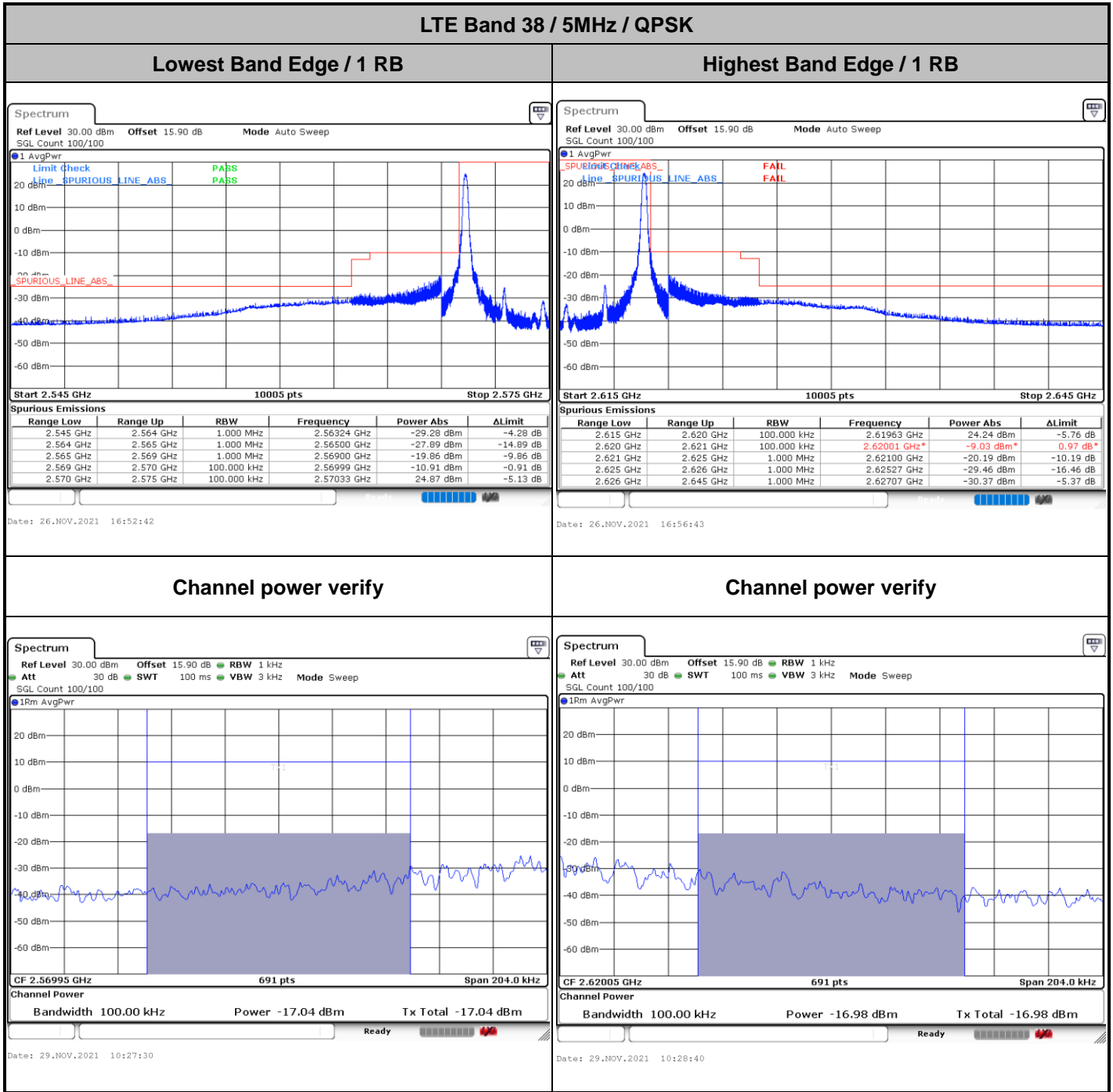


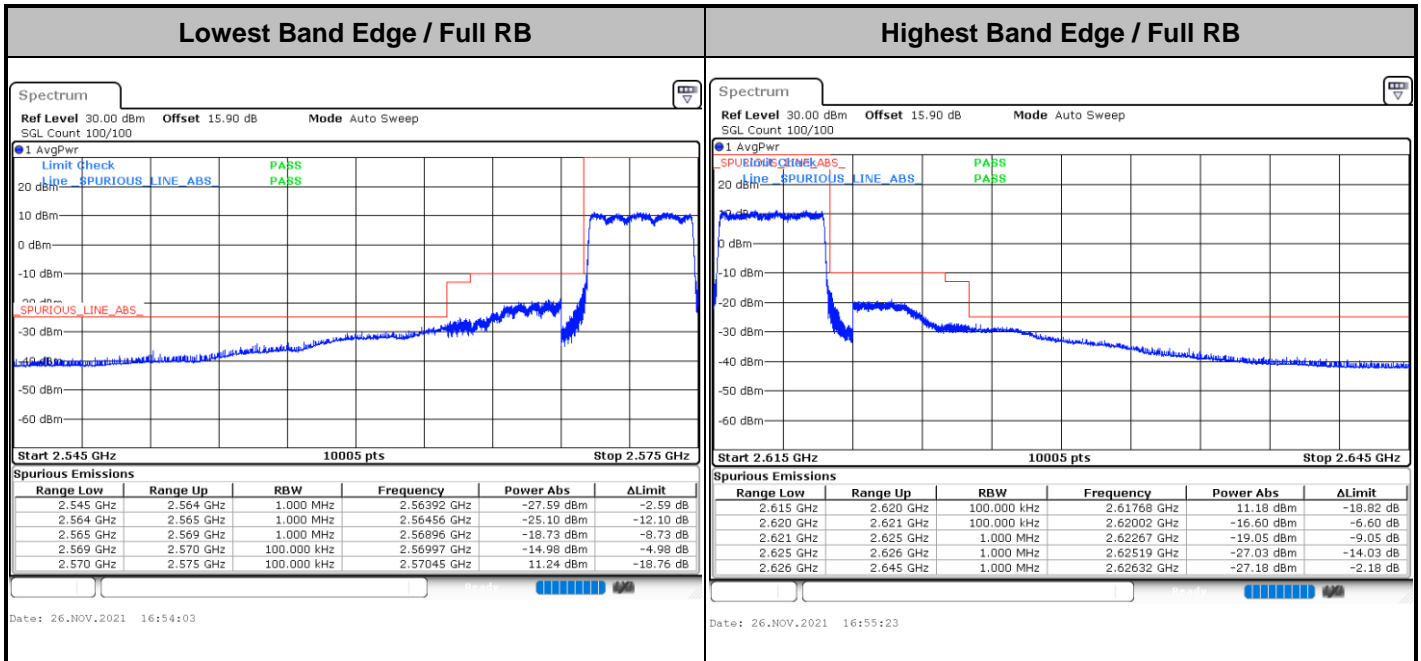
Date: 29.NOV.2021 10:52:57





# Conducted Band Edge

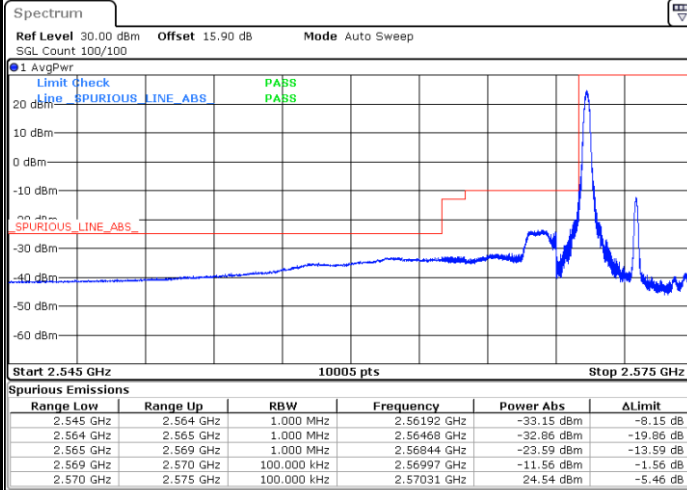






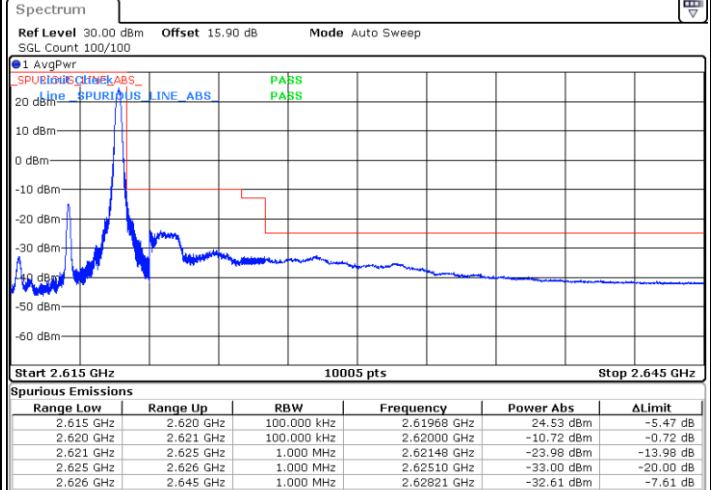
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



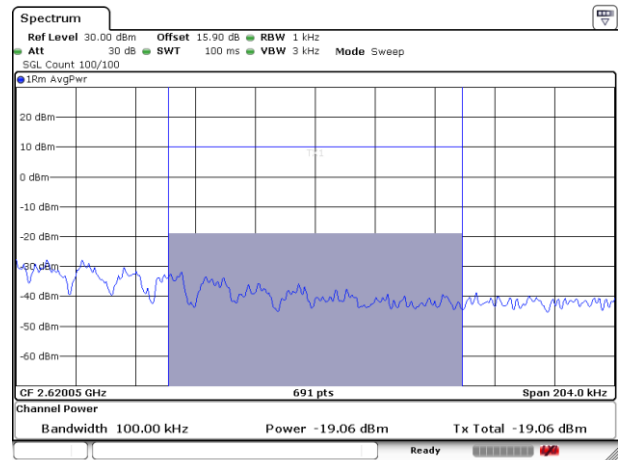
Date: 29.NOV.2021 09:32:56

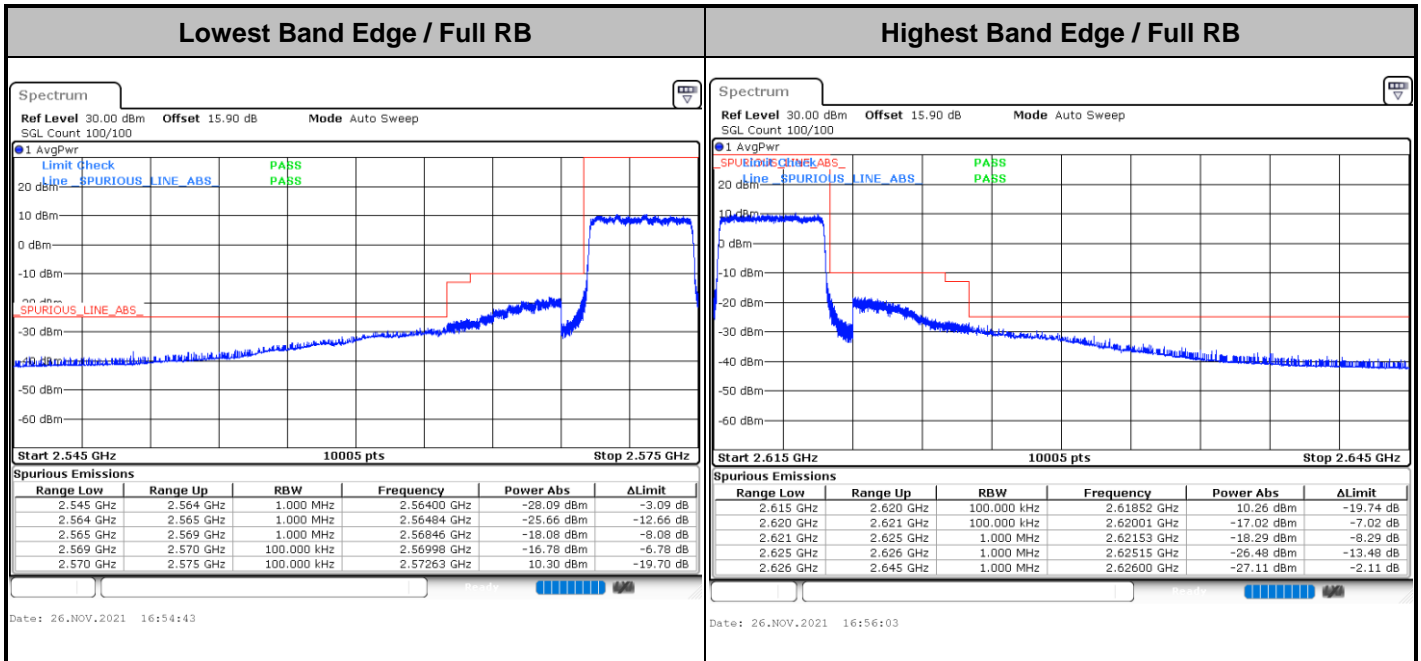
Highest Band Edge / 1 RB



Date: 29.NOV.2021 09:43:40

Channel power verify

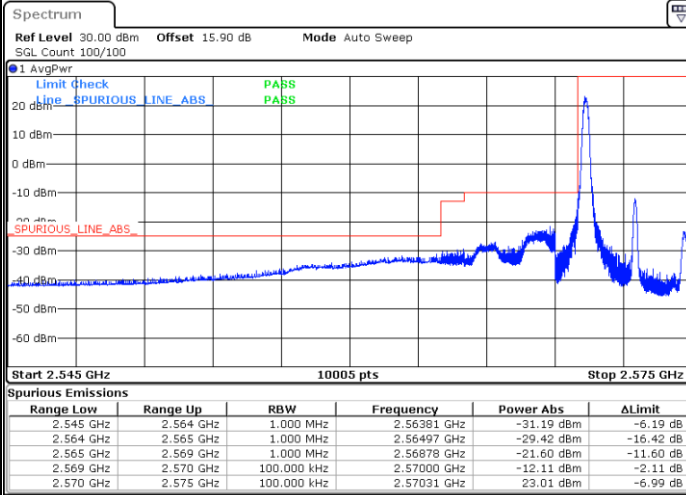






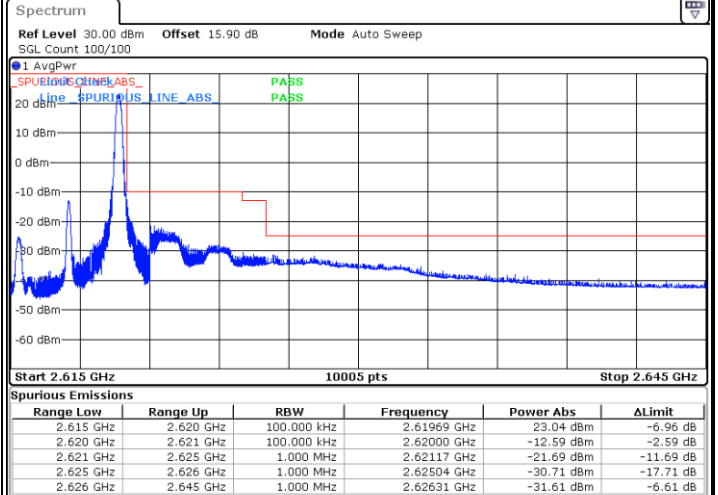
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



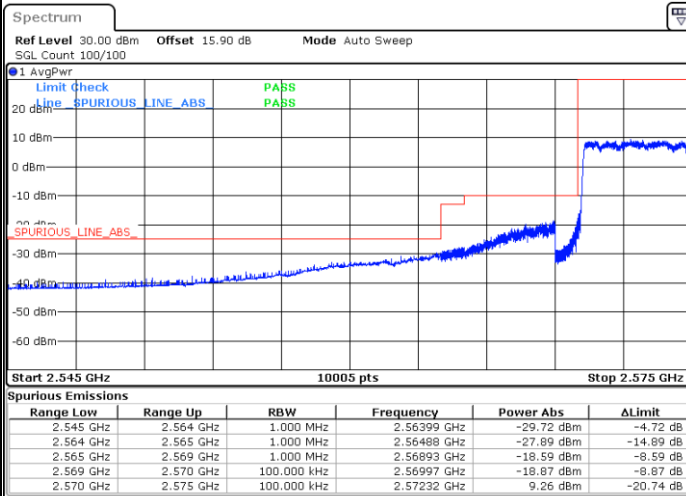
Date: 26.NOV.2021 16:58:04

Highest Band Edge / 1 RB



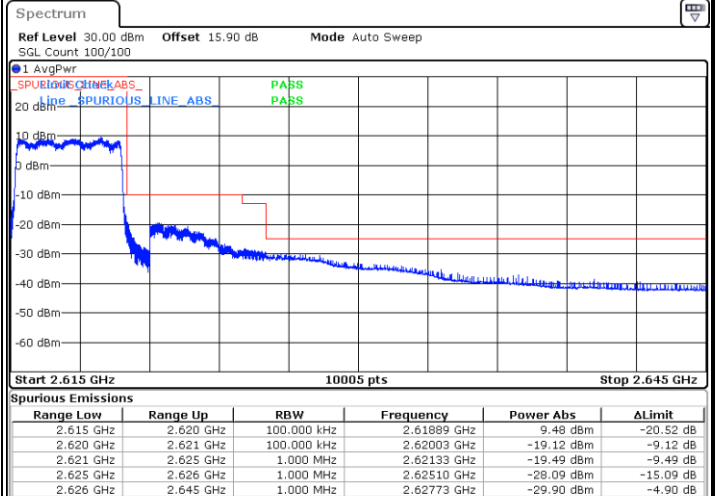
Date: 26.NOV.2021 17:00:05

Lowest Band Edge / Full RB



Date: 26.NOV.2021 16:58:44

Highest Band Edge / Full RB

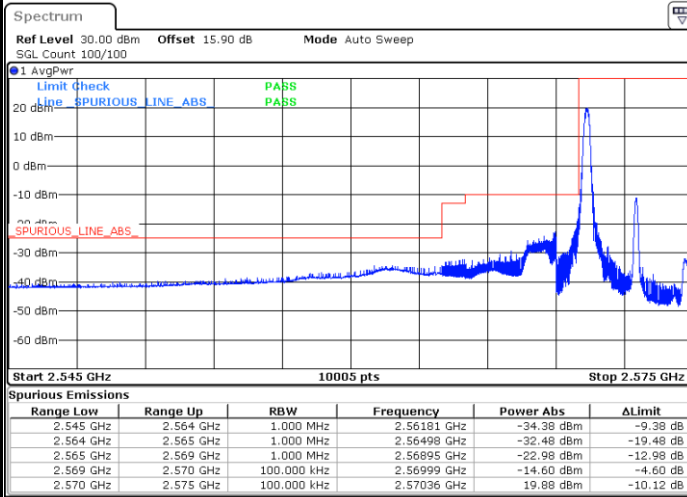


Date: 26.NOV.2021 16:59:24



LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



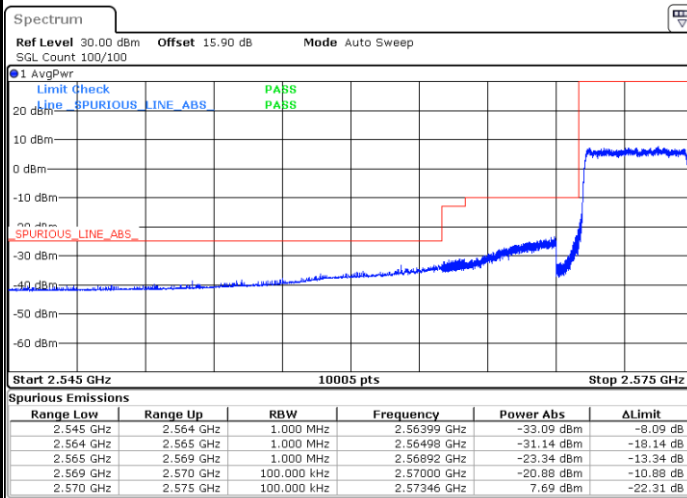
Date: 29.NOV.2021 10:33:27

Highest Band Edge / 1 RB



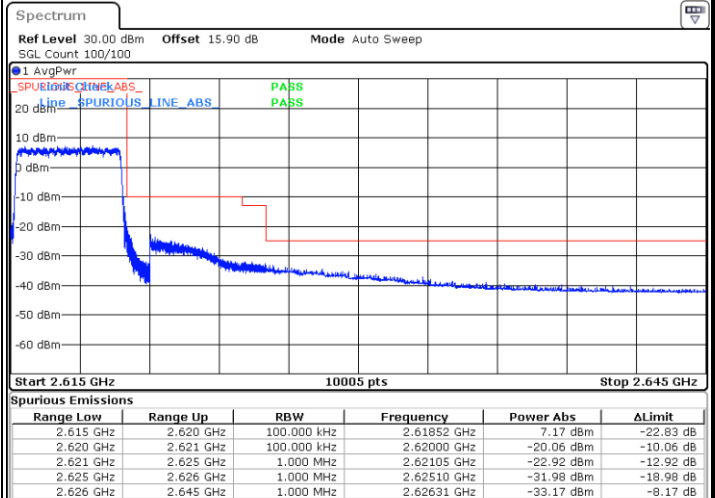
Date: 29.NOV.2021 10:35:19

Lowest Band Edge / Full RB



Date: 29.NOV.2021 10:33:58

Highest Band Edge / Full RB

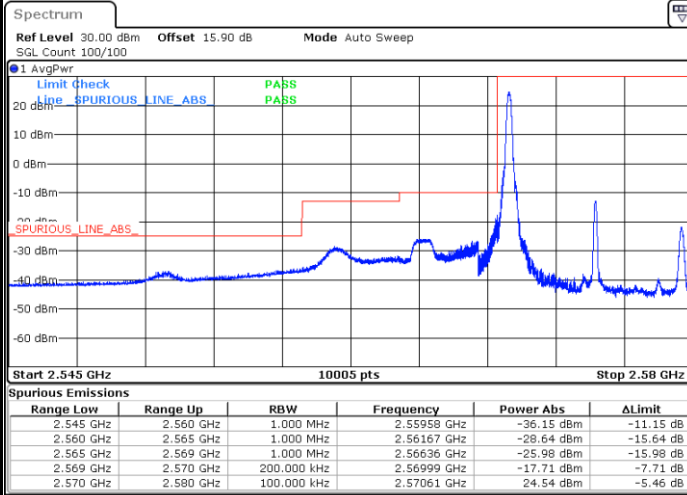


Date: 29.NOV.2021 10:34:40



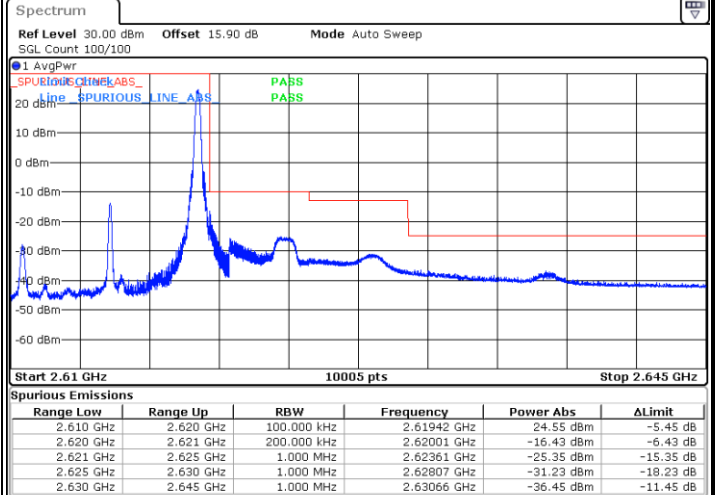
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



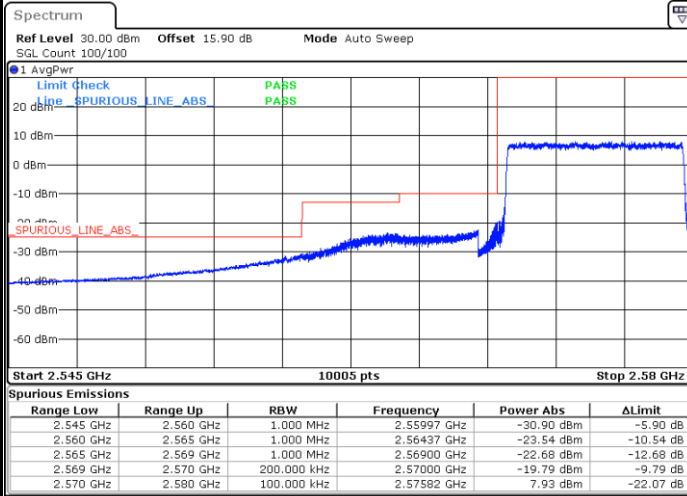
Date: 26.NOV.2021 17:05:43

Highest Band Edge / 1 RB



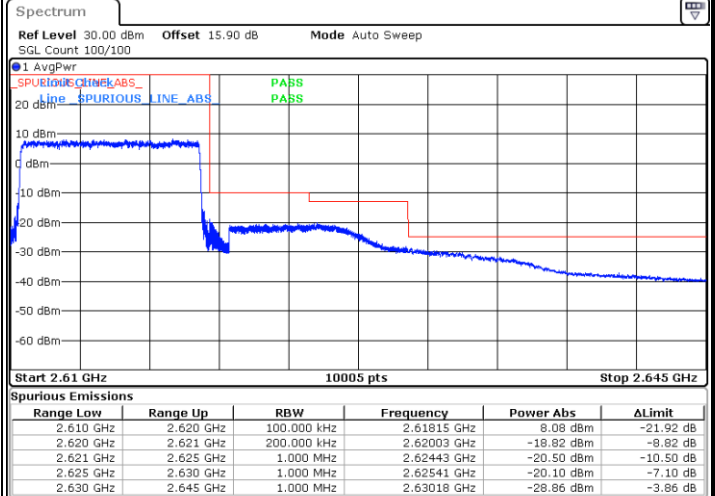
Date: 29.NOV.2021 09:29:30

Lowest Band Edge / Full RB



Date: 26.NOV.2021 17:07:04

Highest Band Edge / Full RB



Date: 29.NOV.2021 09:28:10