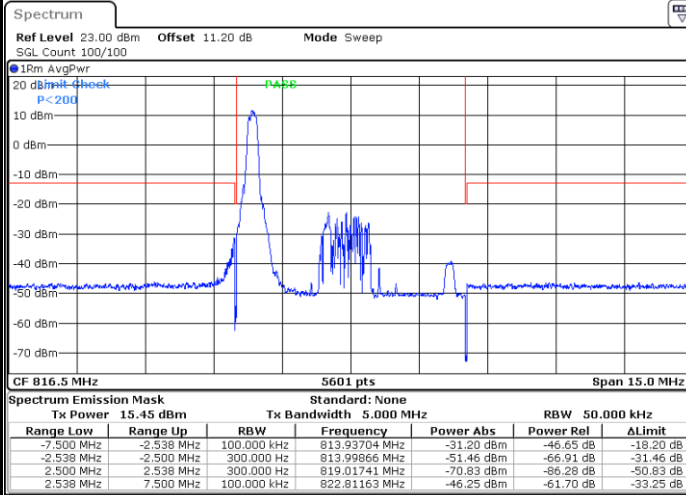


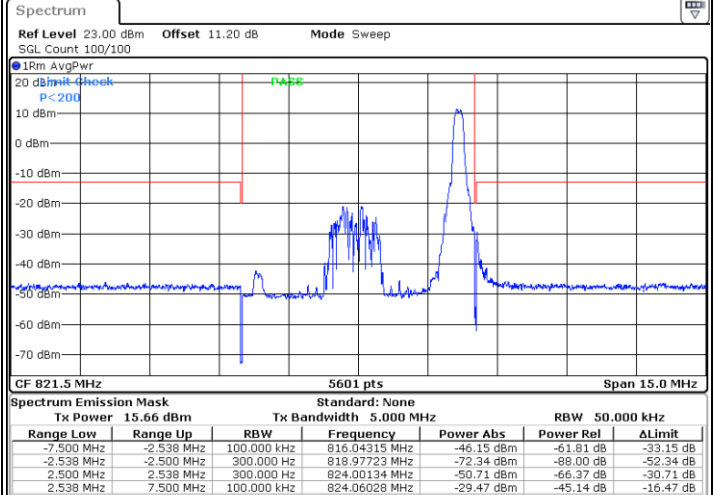


## LTE Band 26 / 5MHz / 256QAM

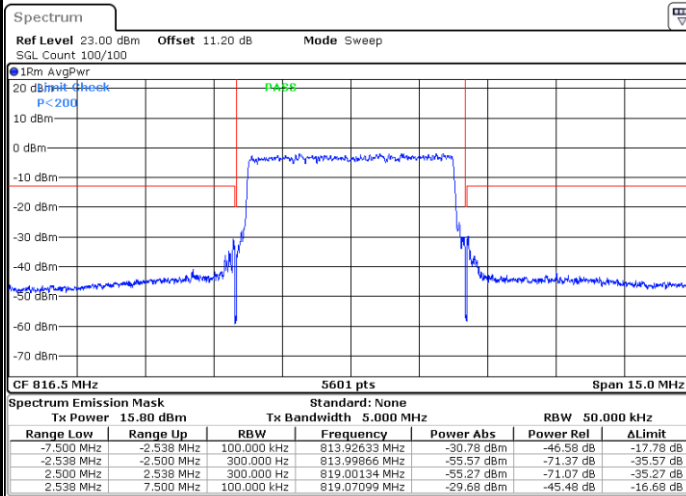
## Lowest Band Edge / 1RB



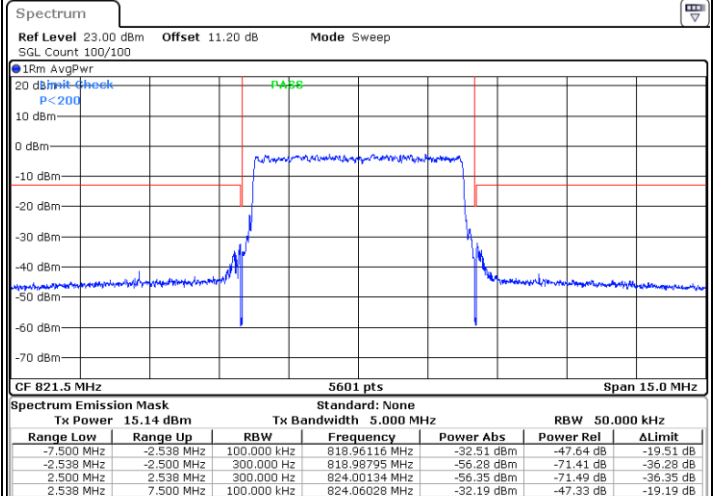
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



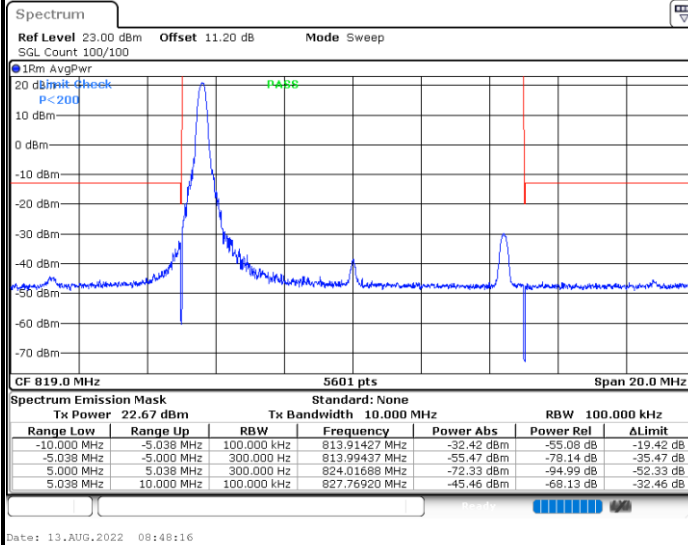
## Highest Band Edge / Full RB



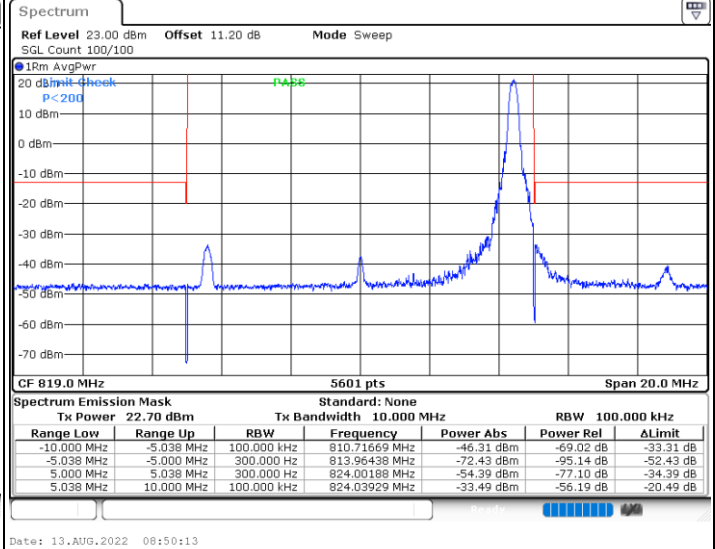


## LTE Band 26 / 10MHz / QPSK

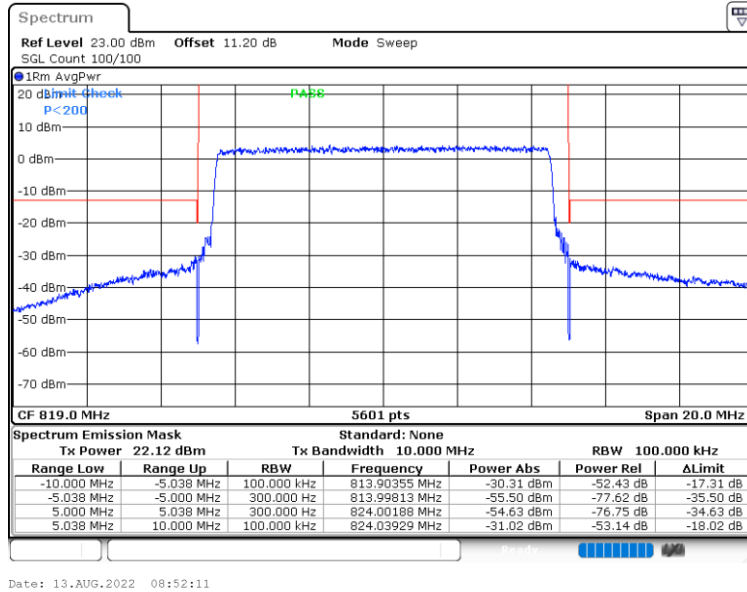
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



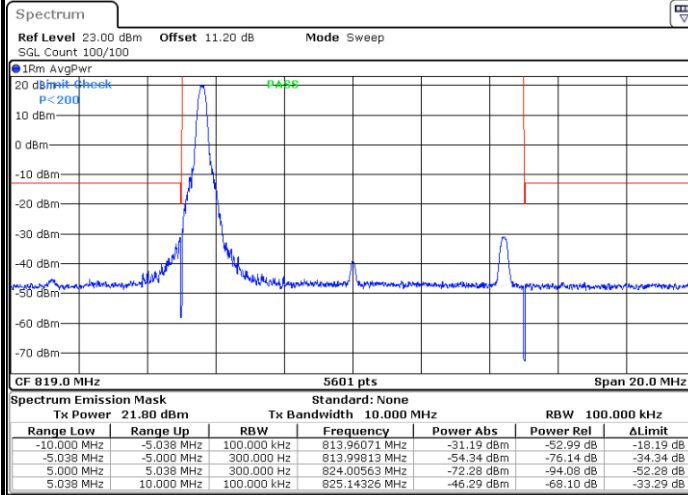
## Lowest Band Edge / Full RB



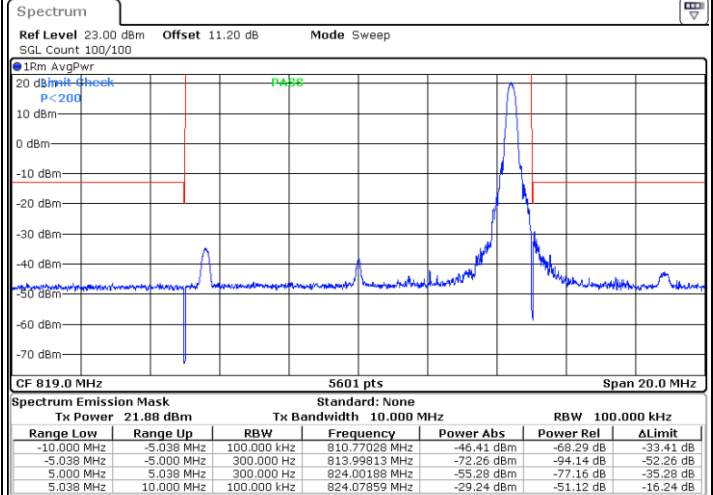


## LTE Band 26 / 10MHz / 16QAM

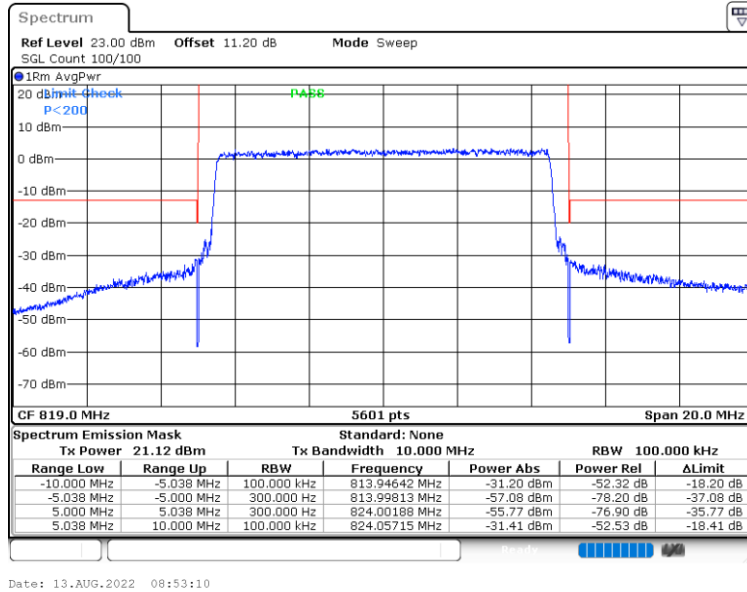
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



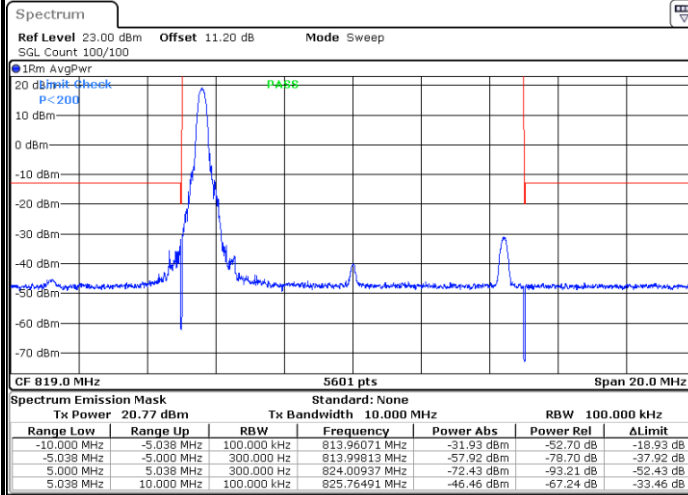
## Lowest Band Edge / Full RB



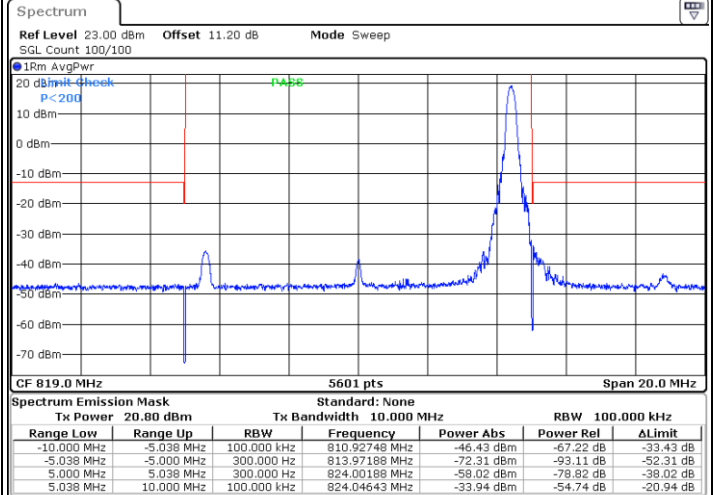


## LTE Band 26 / 10MHz / 64QAM

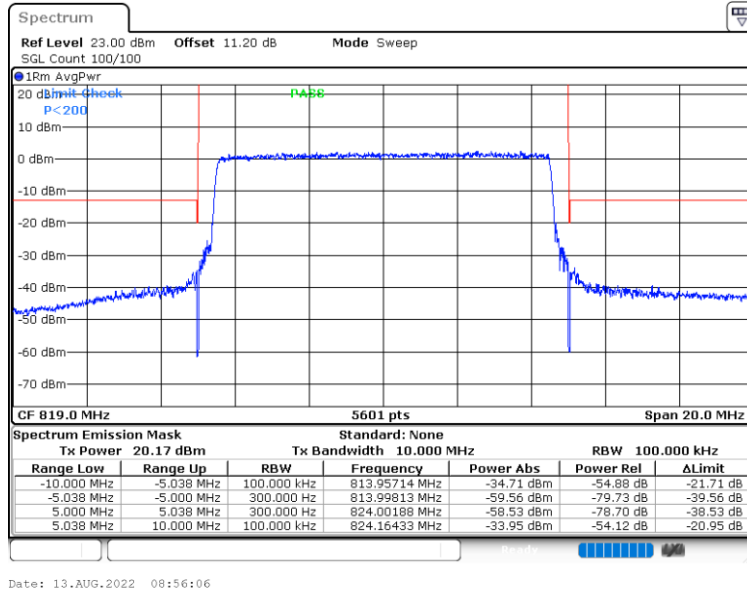
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



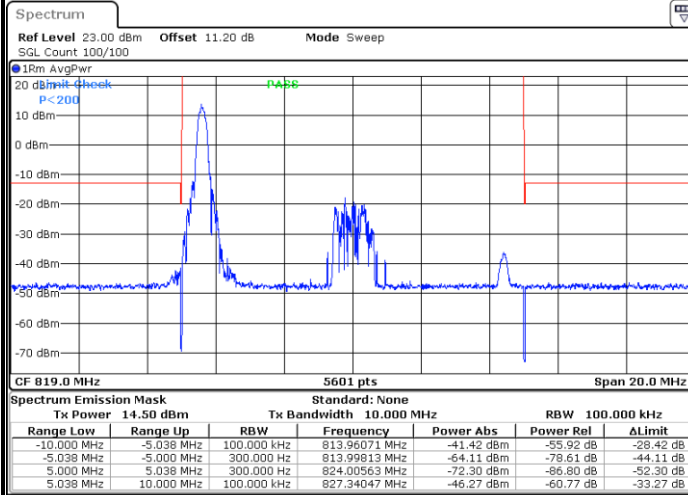
## Lowest Band Edge / Full RB



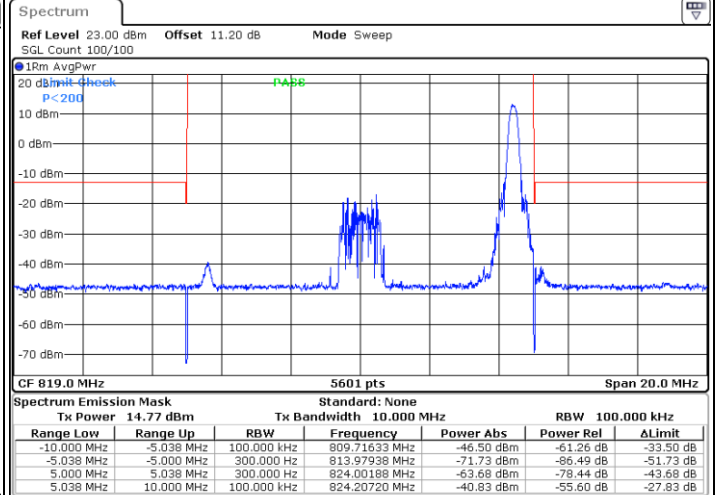


## LTE Band 26 / 10MHz / 256QAM

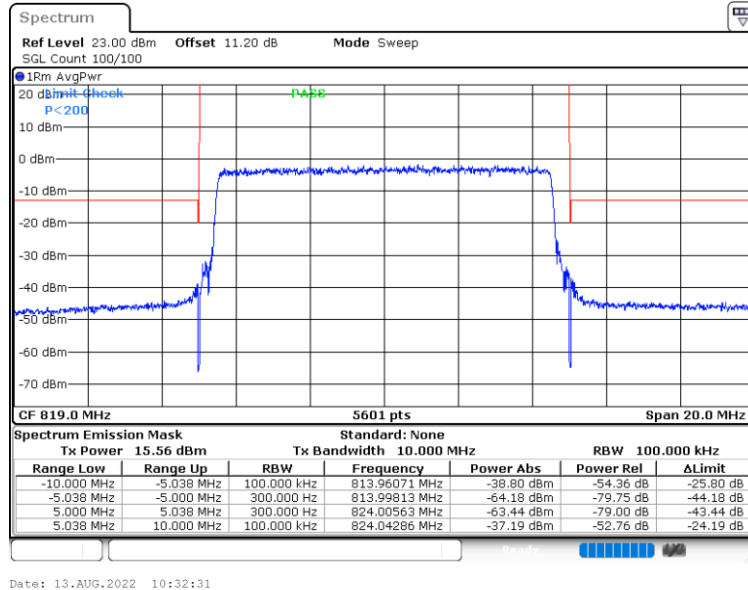
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



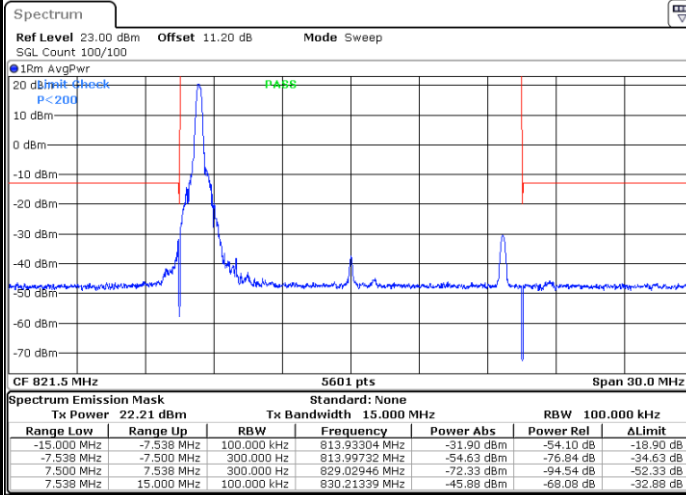
## Lowest Band Edge / Full RB



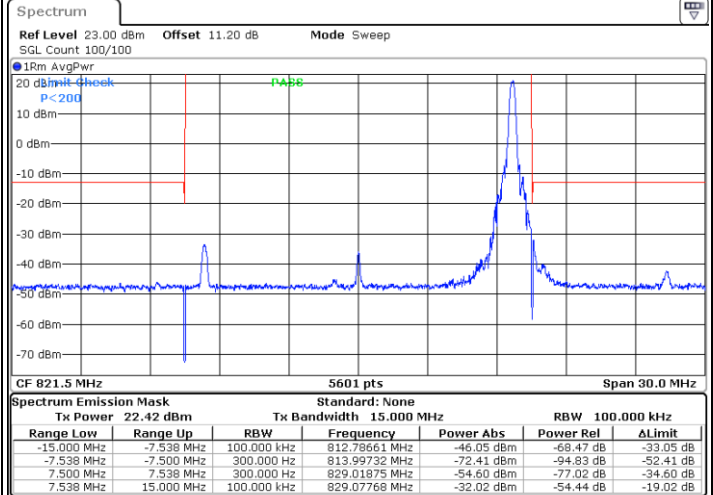


## LTE Band 26 / 15MHz / QPSK

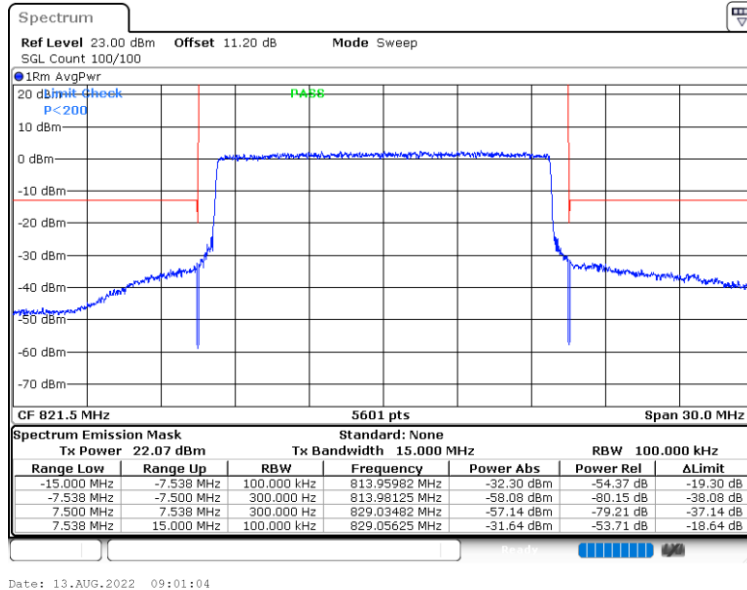
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



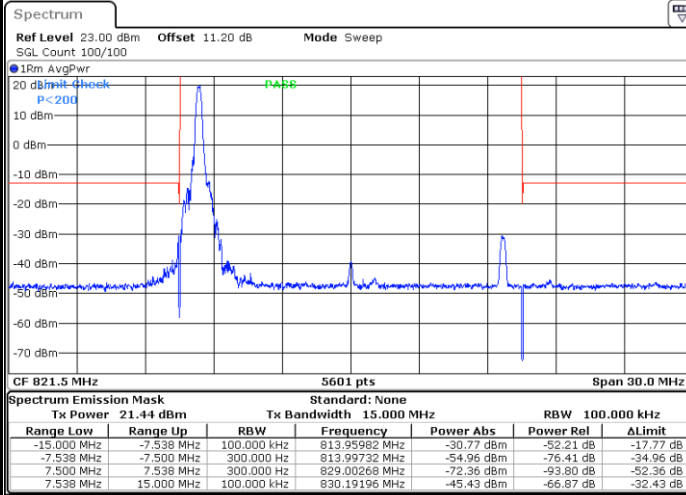
## Lowest Band Edge / Full RB



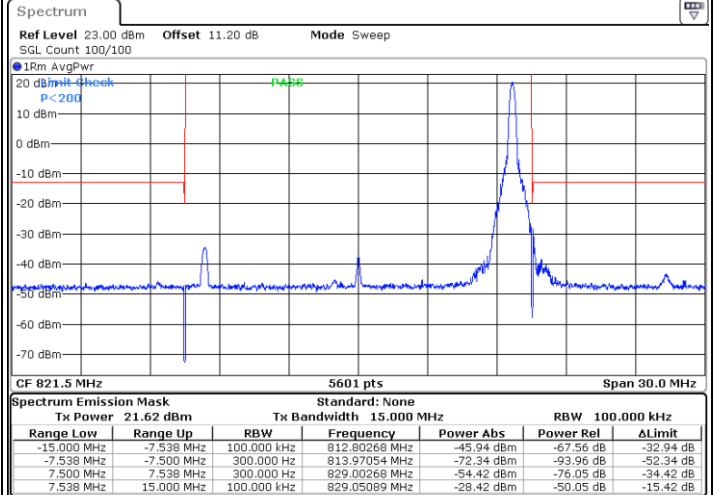


## LTE Band 26 / 15MHz / 16QAM

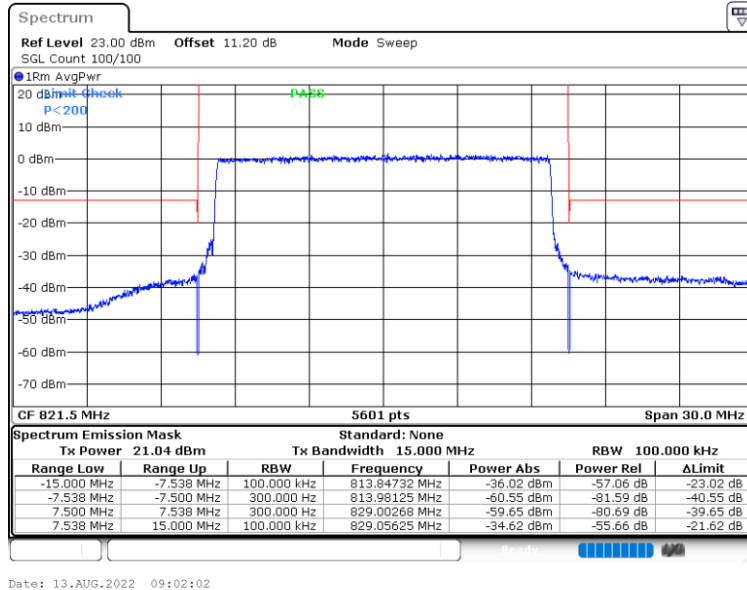
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



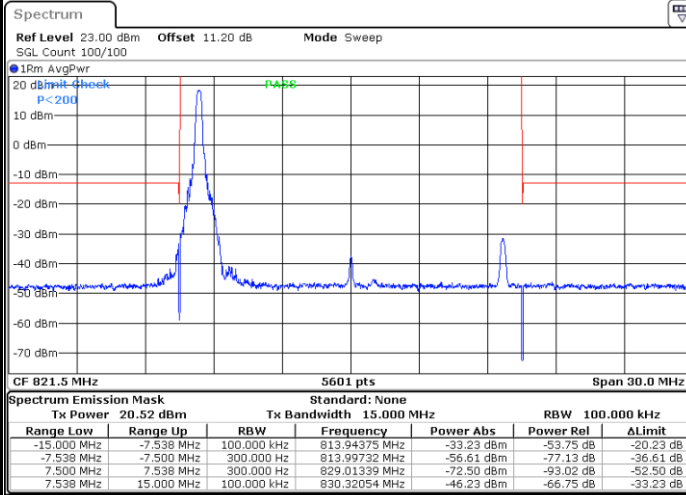
## Lowest Band Edge / Full RB



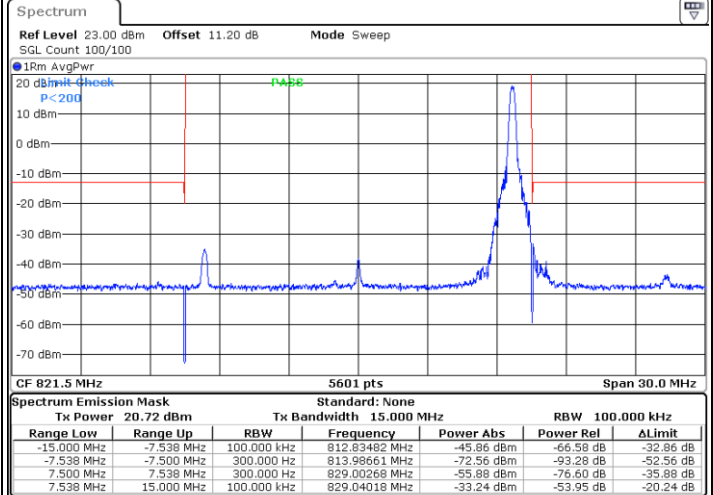


## LTE Band 26 / 15MHz / 64QAM

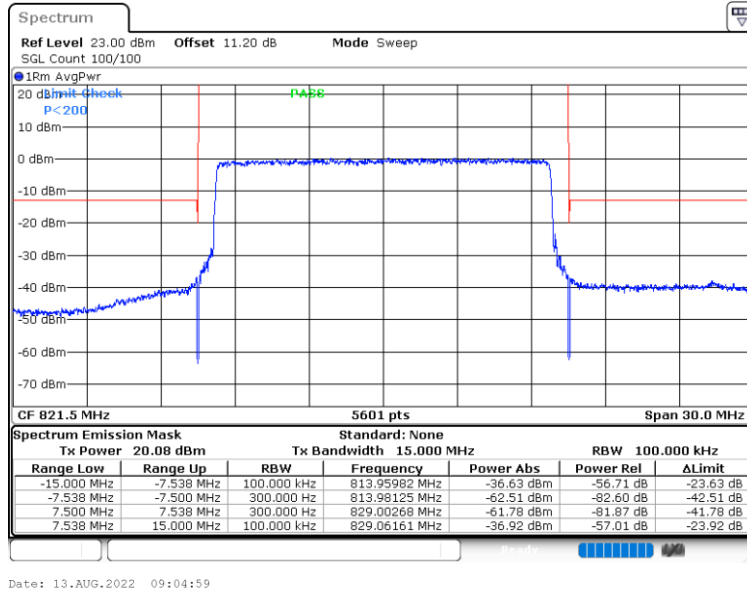
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



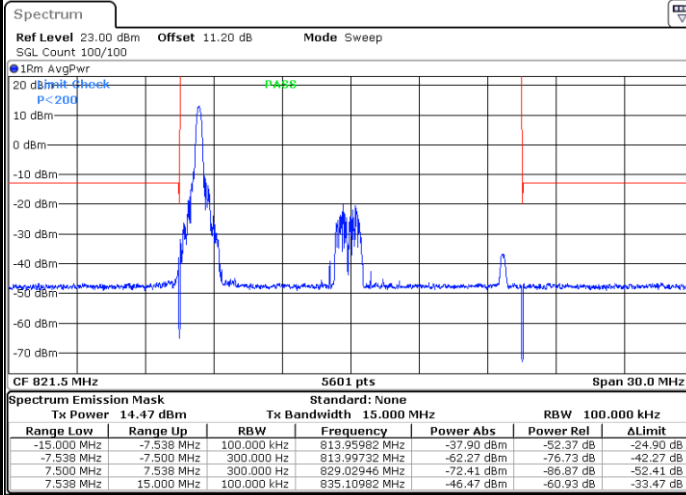
## Lowest Band Edge / Full RB



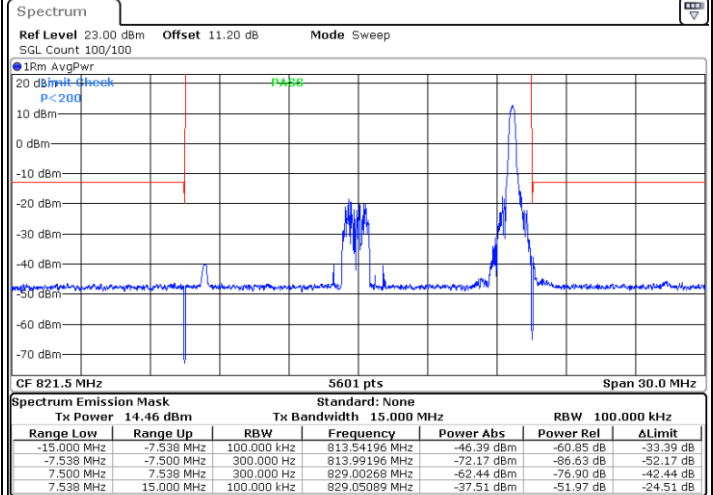


## LTE Band 26 / 15MHz / 256QAM

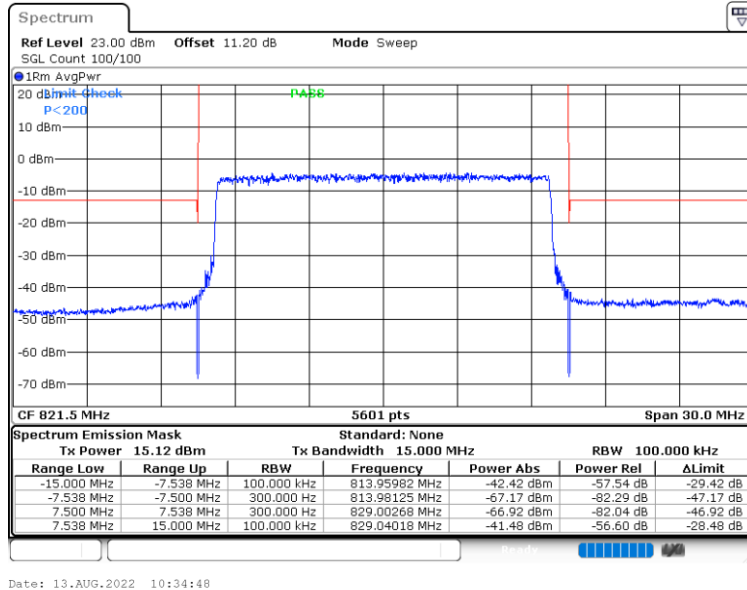
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB

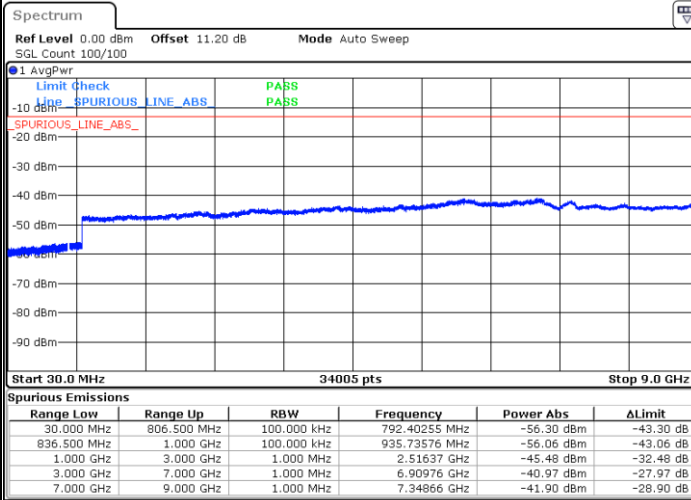




## Emission masks – Out of band emissions

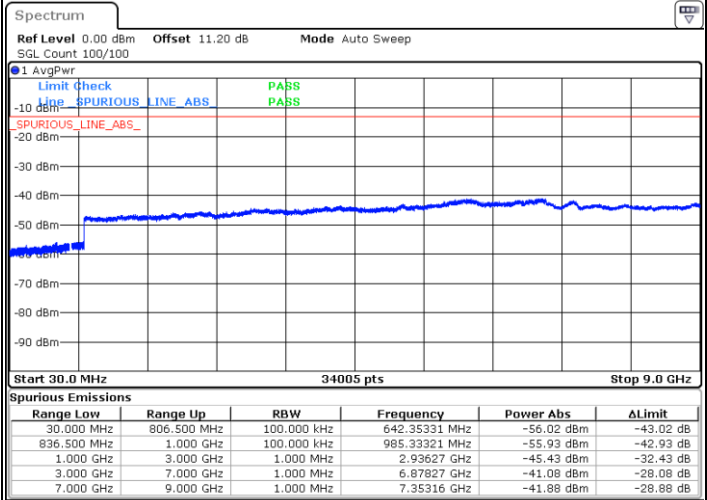
### LTE Band 26 / 1.4MHz

#### Lowest Channel / QPSK



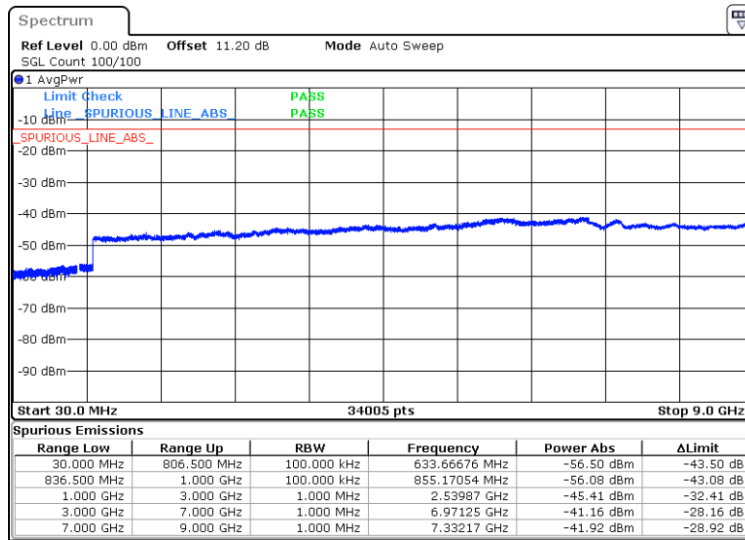
Date: 13.AUG.2022 07:48:14

#### Middle Channel / QPSK



Date: 13.AUG.2022 07:51:41

#### Highest Channel / QPSK

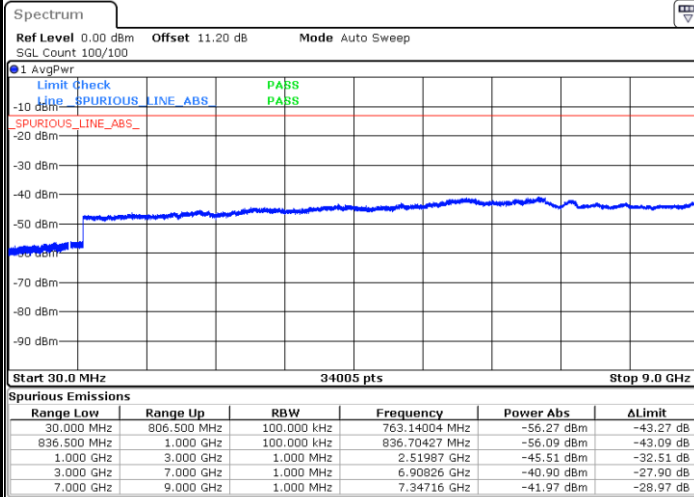


Date: 13.AUG.2022 07:53:11



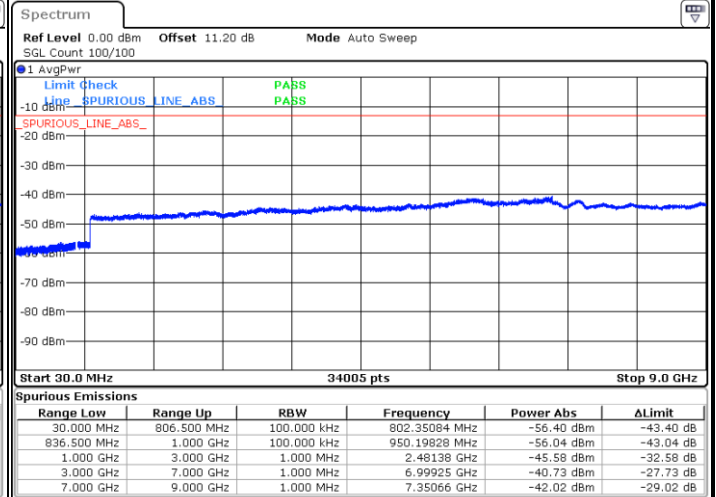
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



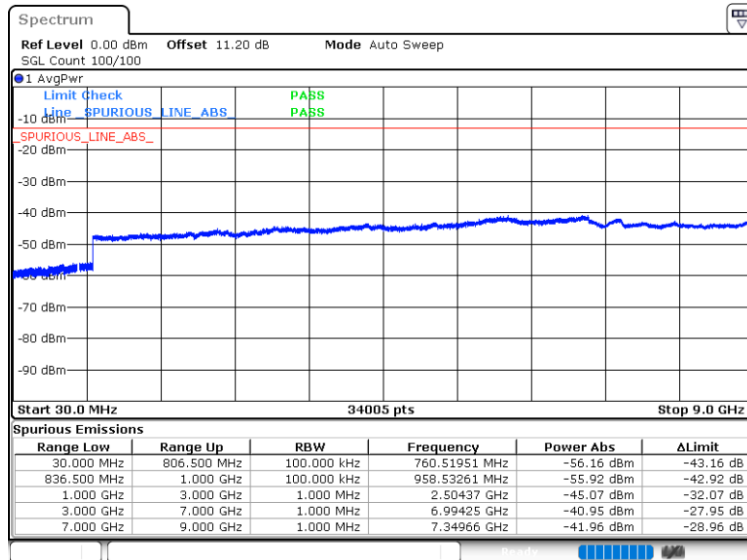
Date: 13.AUG.2022 08:09:28

## Middle Channel / QPSK



Date: 13.AUG.2022 08:10:58

## Highest Channel / QPSK

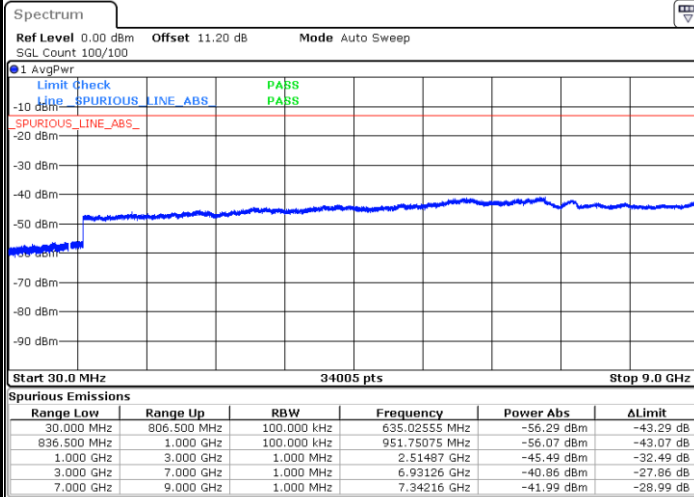


Date: 13.AUG.2022 08:12:28



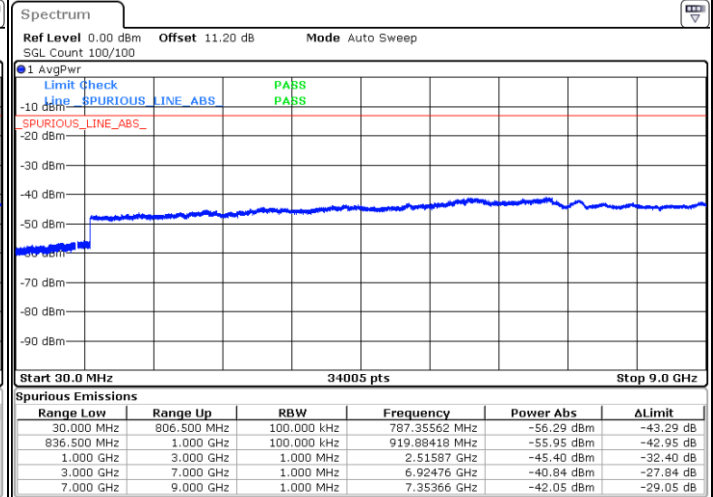
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



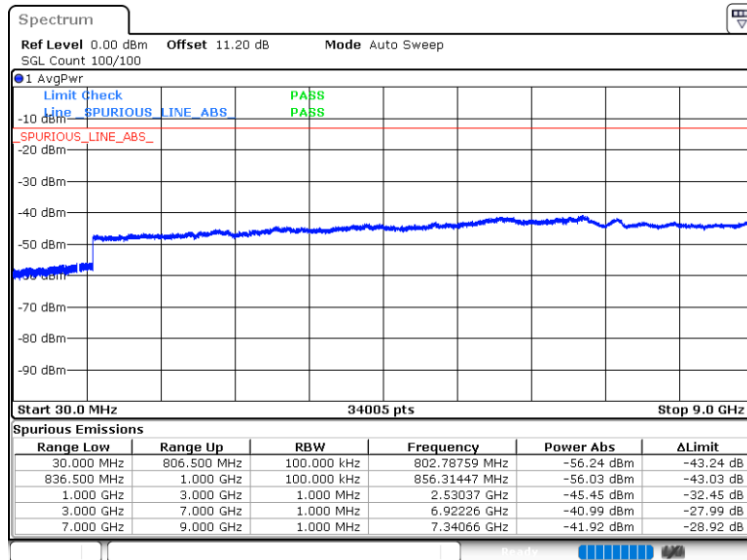
Date: 13.AUG.2022 08:26:34

## Middle Channel / QPSK

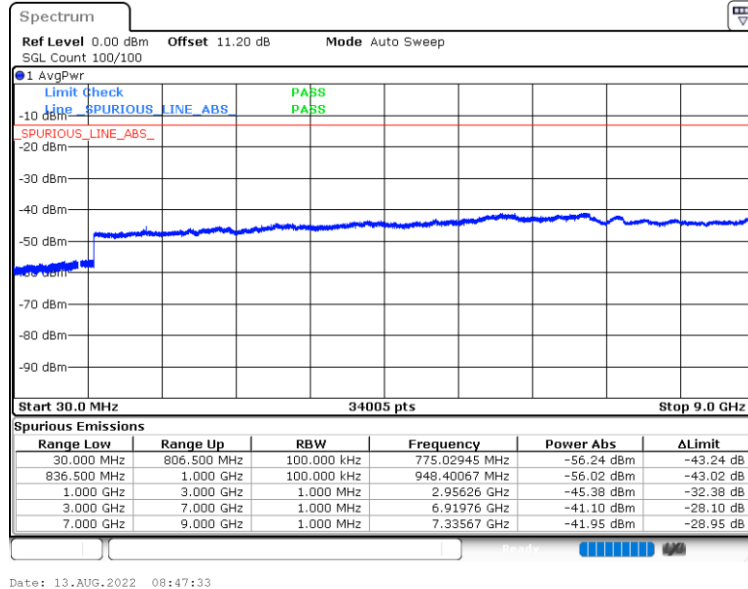
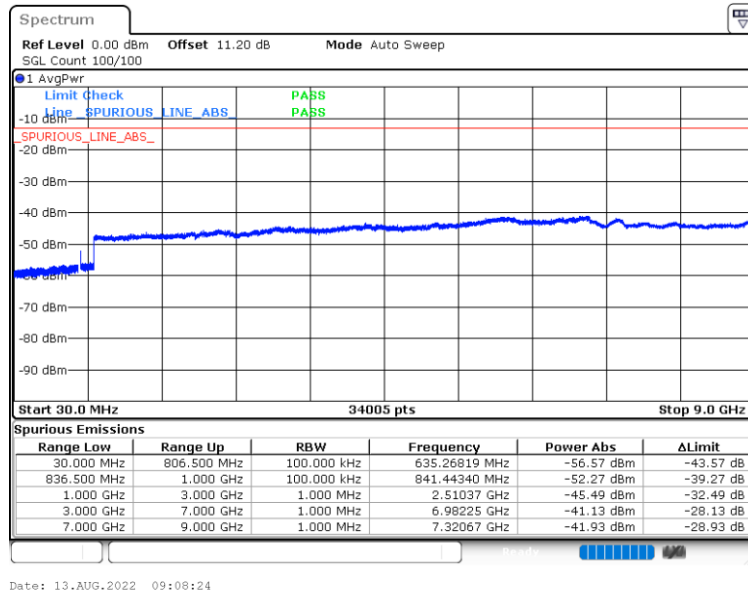


Date: 13.AUG.2022 08:30:02

## Highest Channel / QPSK



Date: 13.AUG.2022 08:31:32

**LTE Band 26 / 10MHz**
**Middle Channel / QPSK**

**LTE Band 26 / 15MHz**
**Middle Channel / QPSK**


## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0056                              | PASS    |
| 40                  | Normal Voltage    | 0.0133                              |         |
| 30                  | Normal Voltage    | 0.0091                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0106                              |         |
| 0                   | Normal Voltage    | 0.0034                              |         |
| -10                 | Normal Voltage    | 0.0043                              |         |
| -20                 | Normal Voltage    | 0.0024                              |         |
| -30                 | Normal Voltage    | 0.0052                              |         |
| 20                  | Maximum Voltage   | 0.0012                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0023                              |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions     |                   | LTE Band 26 (QPSK) / Low Channel | Limit   |
|---------------------|-------------------|----------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 15MHz                         | Note 2. |
|                     |                   | Deviation (ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0201                           | PASS    |
| 40                  | Normal Voltage    | 0.0121                           |         |
| 30                  | Normal Voltage    | 0.0037                           |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                           |         |
| 10                  | Normal Voltage    | 0.0155                           |         |
| 0                   | Normal Voltage    | 0.0225                           |         |
| -10                 | Normal Voltage    | 0.0172                           |         |
| -20                 | Normal Voltage    | 0.0154                           |         |
| -30                 | Normal Voltage    | 0.0175                           |         |
| 20                  | Maximum Voltage   | 0.0132                           |         |
| 20                  | Normal Voltage    | 0.0000                           |         |
| 20                  | Battery End Point | 0.0007                           |         |

**Note:**

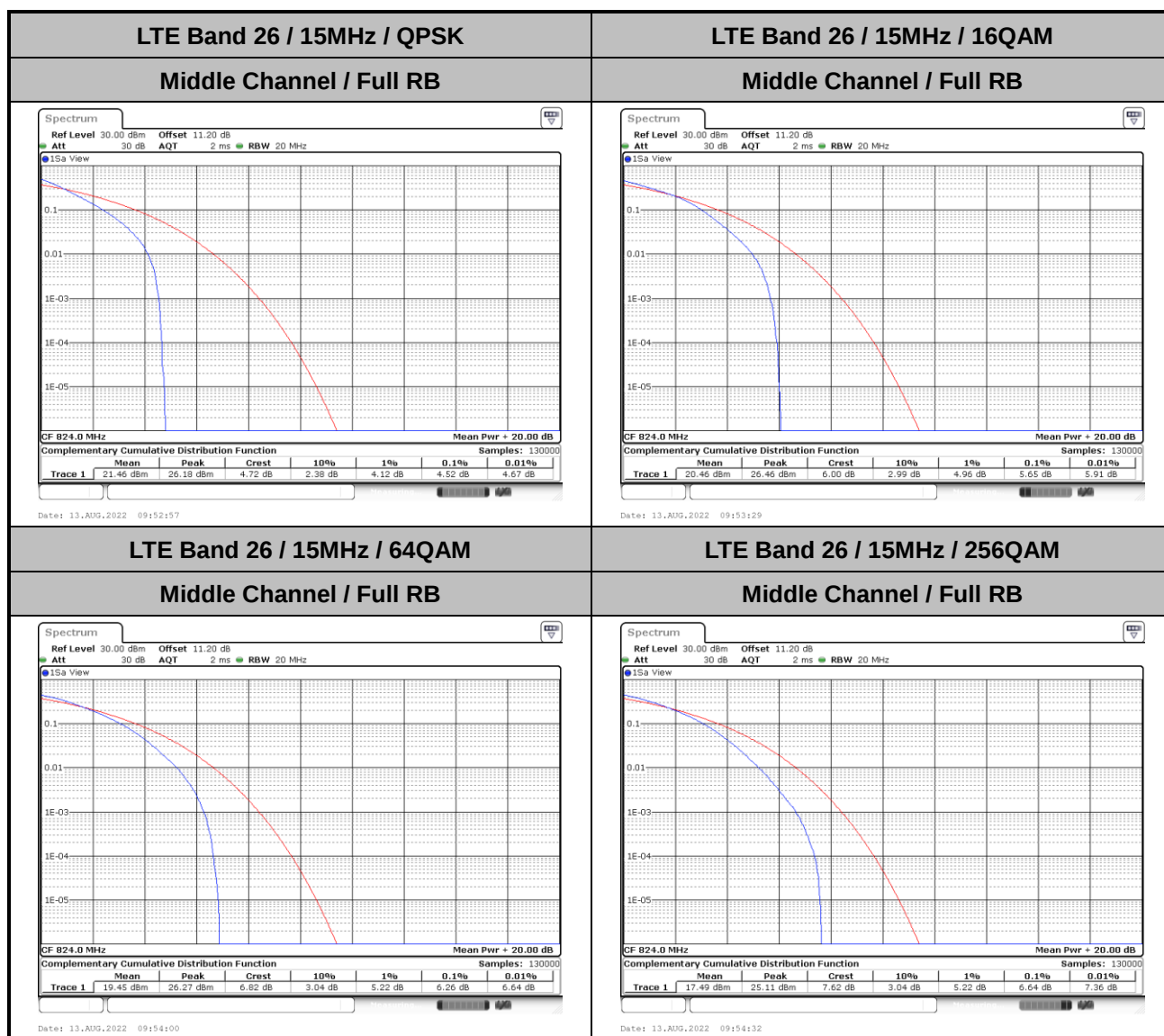
1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.15 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 26\_824MHz

## Peak-to-Average Ratio

| Mode      | LTE Band 26 / 15MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.52                | 5.65    | 6.26    | 6.64    | PASS        |



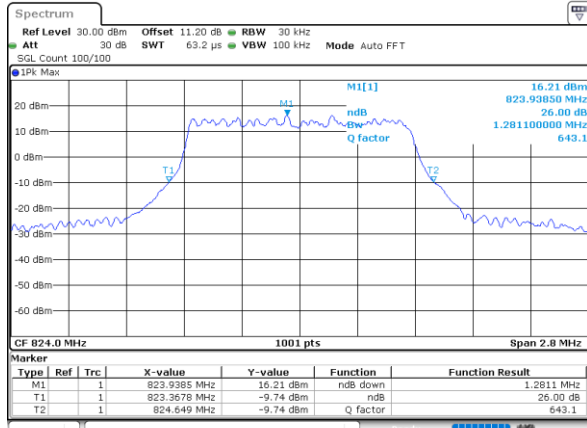
**26dB Bandwidth**

| Mode      | LTE Band 26 : 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 | 1.28                       | 1.32   | 3.13  | 3.07   | 4.97  | 5.03   | 9.89  | 9.99   | 14.57 | 14.51  | -     | -      |
| Mode      | LTE Band 26 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                      | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.32                       | 1.31   | 3.07  | 3.03   | 5.02  | 4.89   | 10.13 | 9.77   | 14.75 | 14.21  | -     | -      |



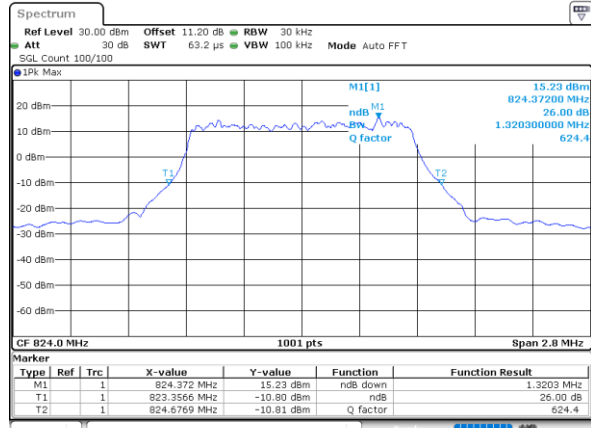
## LTE Band 26

## Middle Channel / 1.4MHz / QPSK



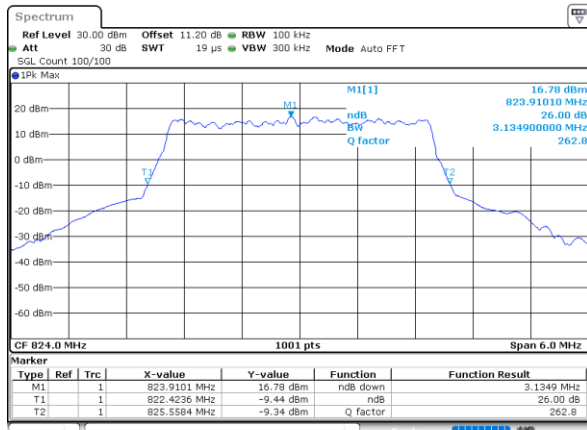
Date: 13.AUG.2022 09:26:56

## Middle Channel / 1.4MHz / 16QAM



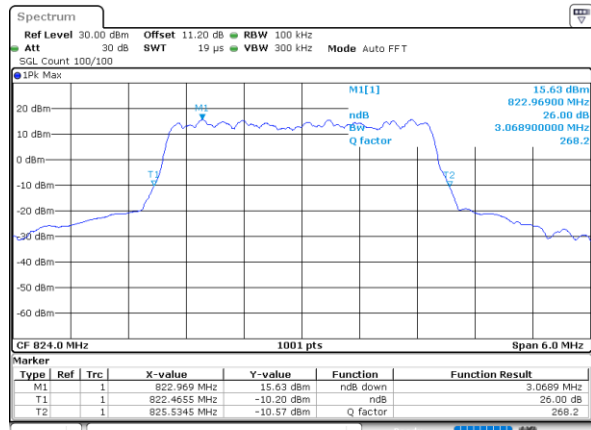
Date: 13.AUG.2022 09:27:25

## Middle Channel / 3MHz / QPSK



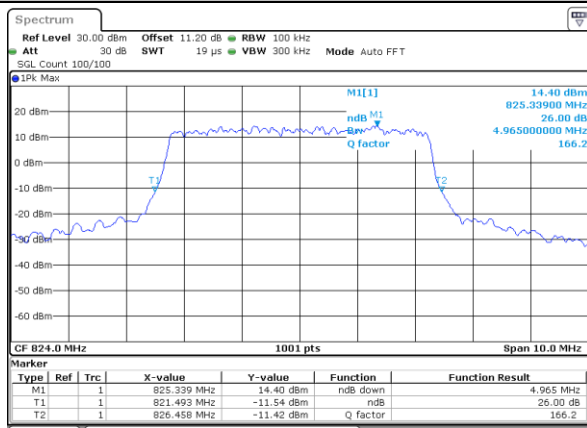
Date: 13.AUG.2022 09:32:33

## Middle Channel / 3MHz / 16QAM



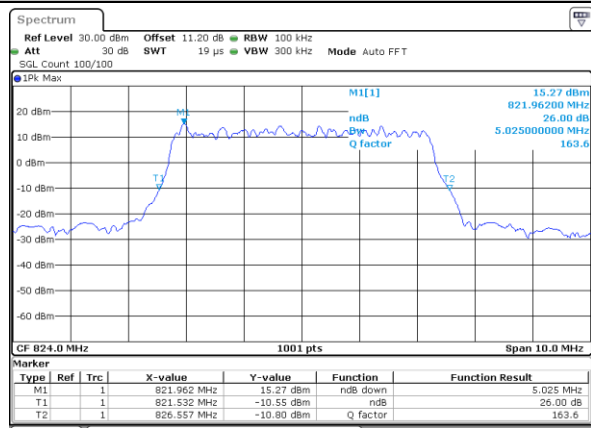
Date: 13.AUG.2022 09:33:02

## Middle Channel / 5MHz / QPSK



Date: 13.AUG.2022 09:38:10

## Middle Channel / 5MHz / 16QAM

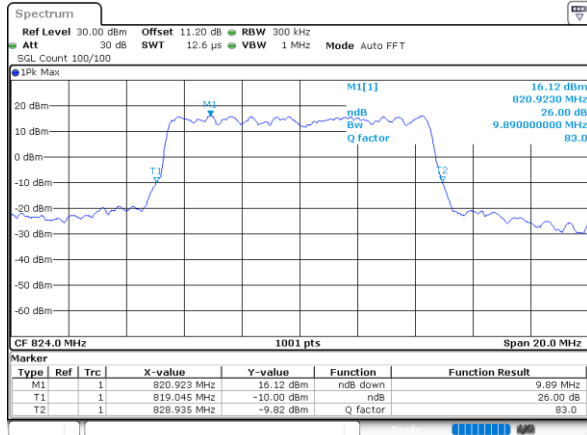


Date: 13.AUG.2022 09:38:39

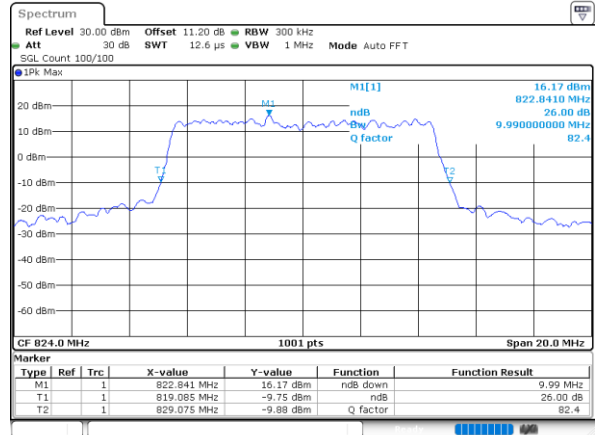


## LTE Band 26

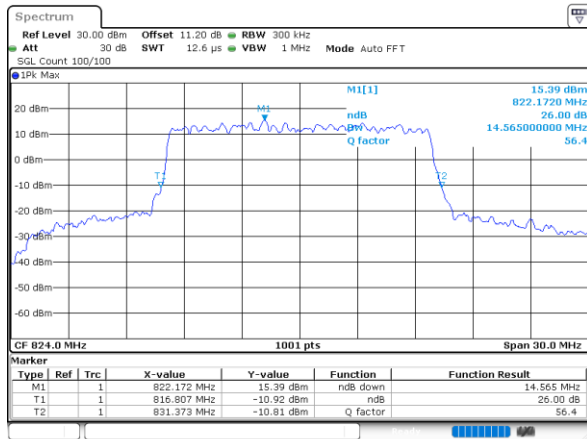
## Middle Channel / 10MHz / QPSK



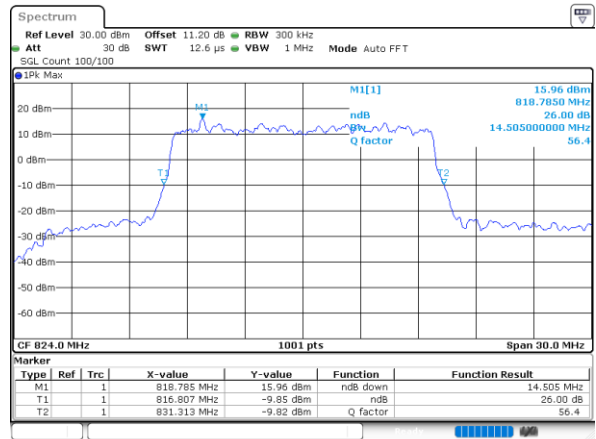
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



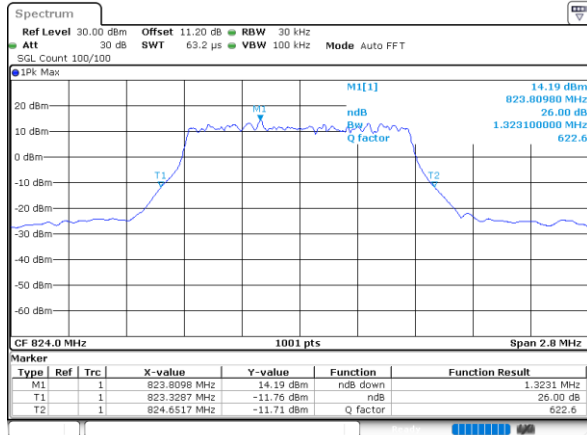
## Middle Channel / 15MHz / 16QAM





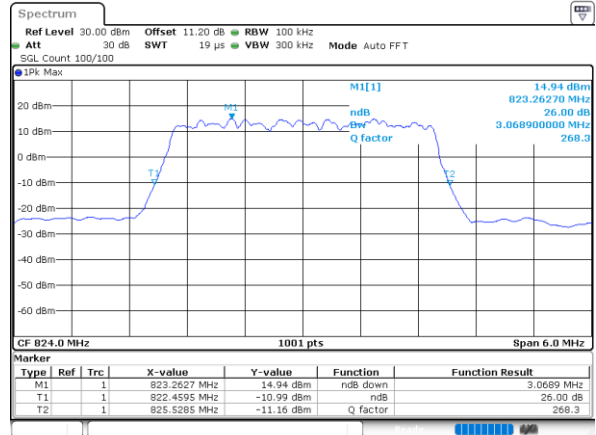
## LTE Band 26

## Middle Channel / 1.4MHz / 64QAM



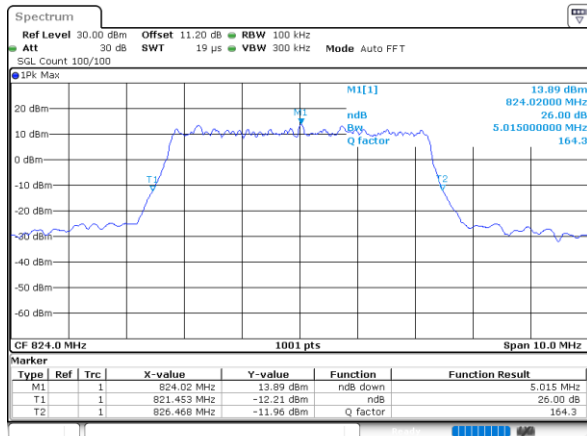
Date: 13.AUG.2022 09:27:55

## Middle Channel / 3MHz / 64QAM



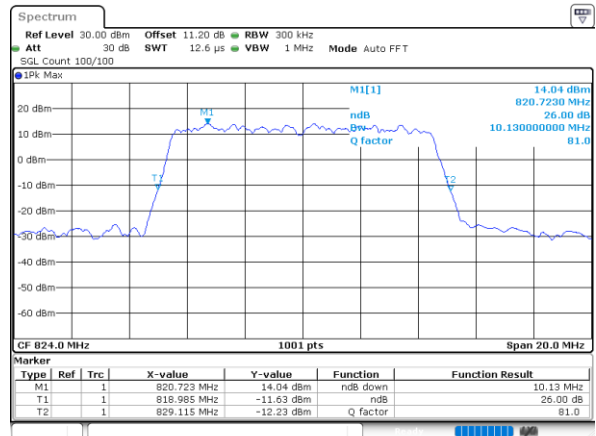
Date: 13.AUG.2022 09:33:32

## Middle Channel / 5MHz / 64QAM



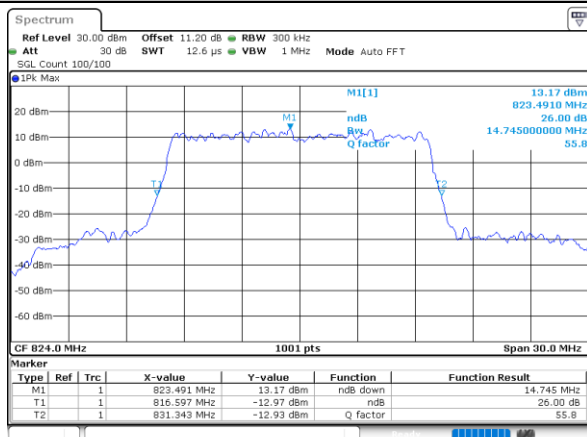
Date: 13.AUG.2022 09:39:09

## Middle Channel / 10MHz / 64QAM



Date: 13.AUG.2022 09:44:45

## Middle Channel / 15MHz / 64QAM



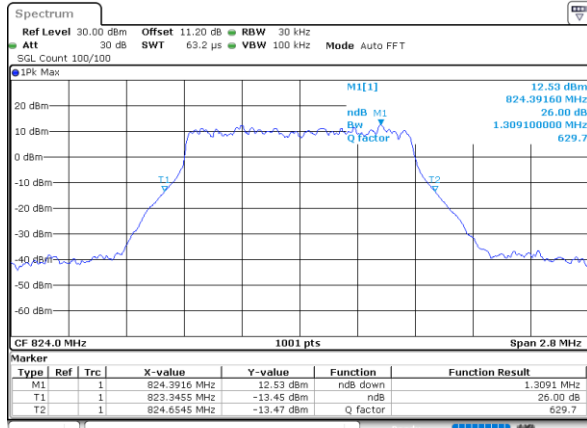
Date: 13.AUG.2022 09:50:23

N/A



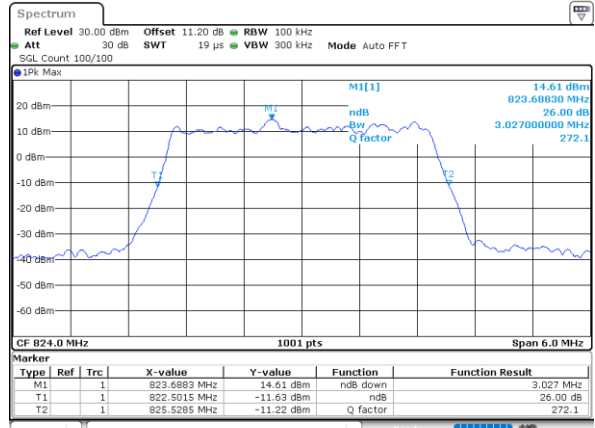
## LTE Band 26

## Middle Channel / 1.4MHz / 256QAM



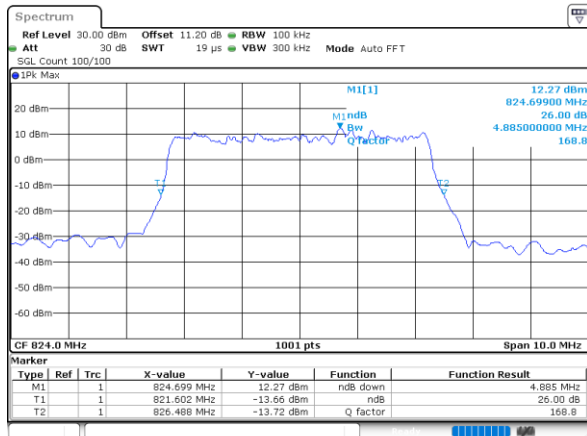
Date: 13.AUG.2022 09:28:24

## Middle Channel / 3MHz / 256QAM



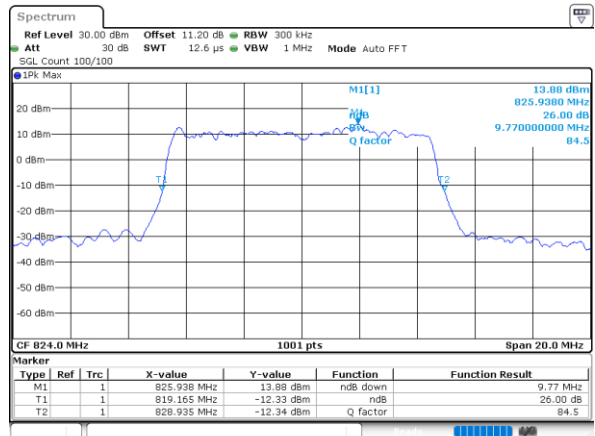
Date: 13.AUG.2022 09:34:01

## Middle Channel / 5MHz / 256QAM



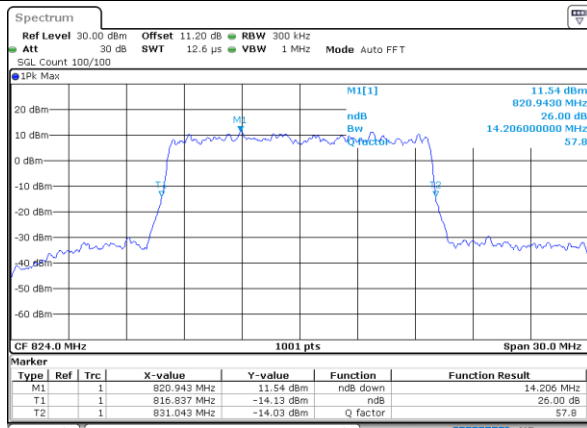
Date: 13.AUG.2022 09:39:38

## Middle Channel / 10MHz / 256QAM



Date: 13.AUG.2022 09:45:15

## Middle Channel / 15MHz / 256QAM



Date: 13.AUG.2022 09:50:52

N/A

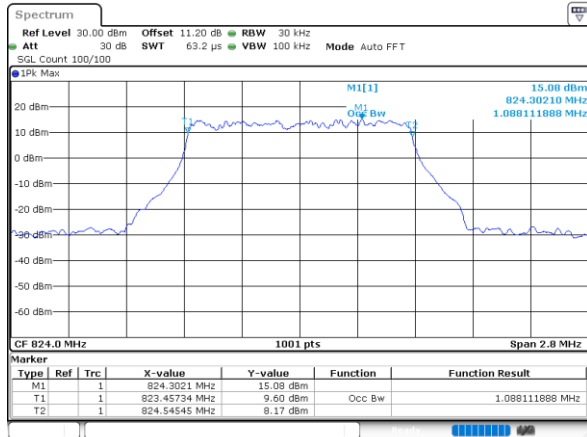
**Occupied Bandwidth**

| Mode      | LTE Band 26 : 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 | 1.09                      | 1.11   | 2.77  | 2.73   | 4.49  | 4.50   | 9.01  | 8.99   | 13.46 | 13.46  | -     | -      |
| Mode      | LTE Band 26 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                    |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                     | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.10                      | 1.10   | 2.73  | 2.72   | 4.48  | 4.51   | 8.97  | 9.03   | 13.43 | 13.40  | -     | -      |

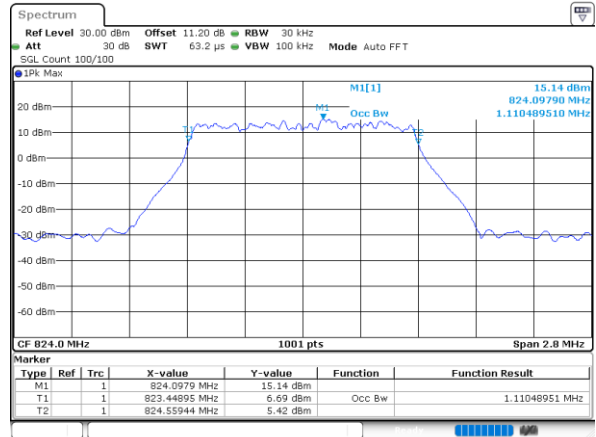


## LTE Band 26

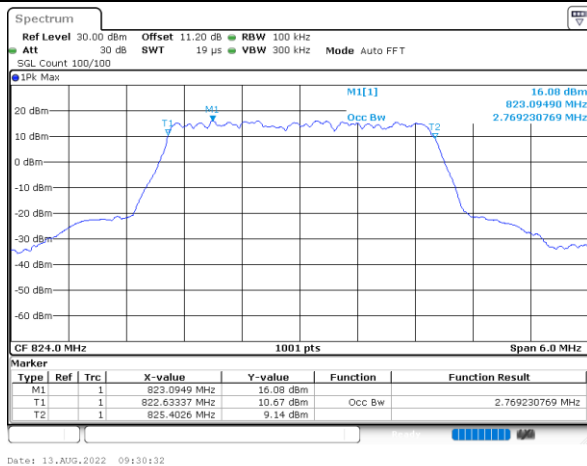
## Middle Channel / 1.4MHz / QPSK



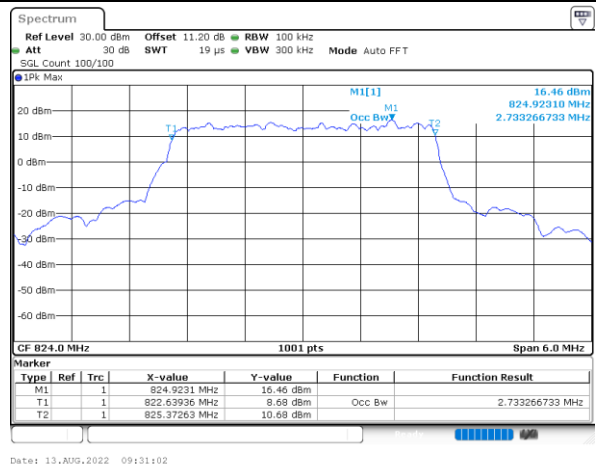
## Middle Channel / 1.4MHz / 16QAM



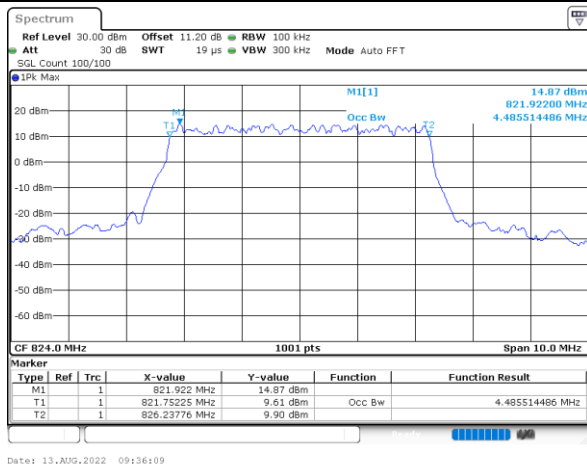
## Middle Channel / 3MHz / QPSK



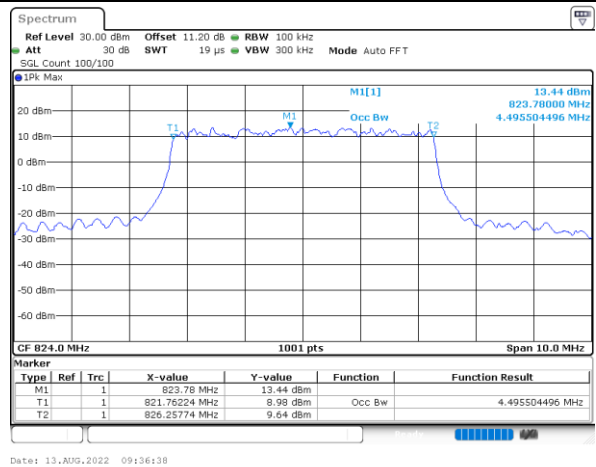
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



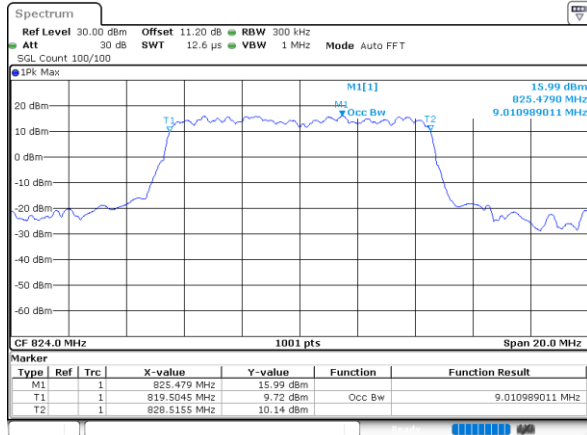
## Middle Channel / 5MHz / 16QAM



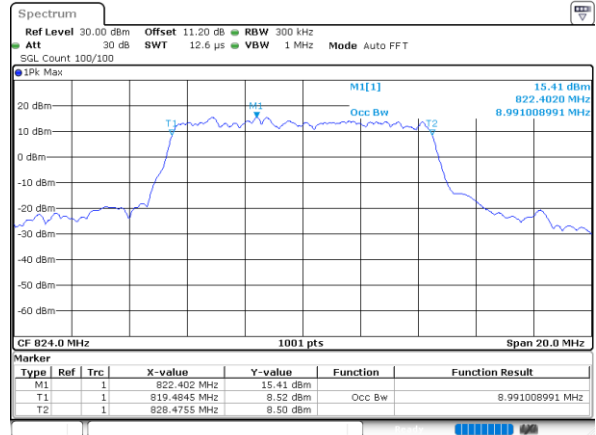


## LTE Band 26

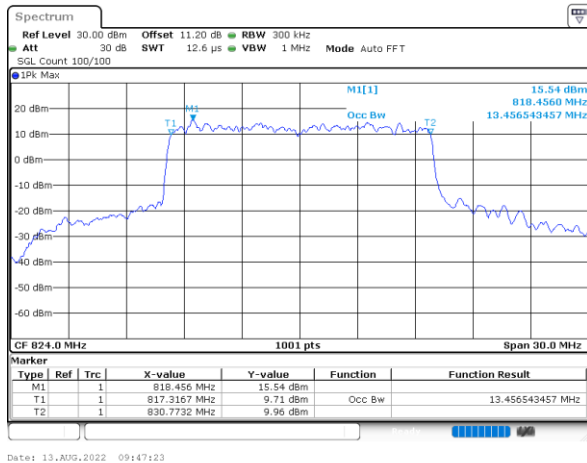
## Middle Channel / 10MHz / QPSK



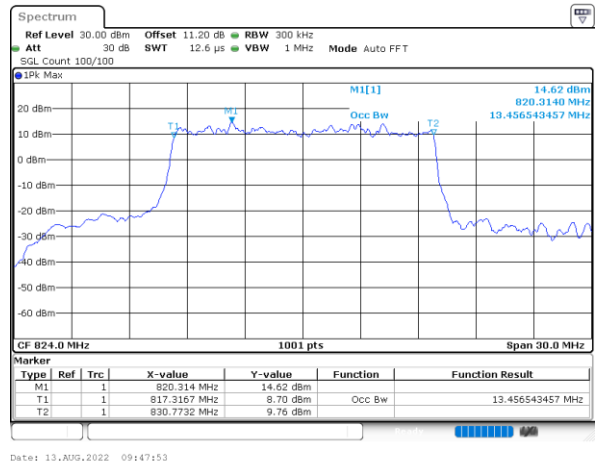
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



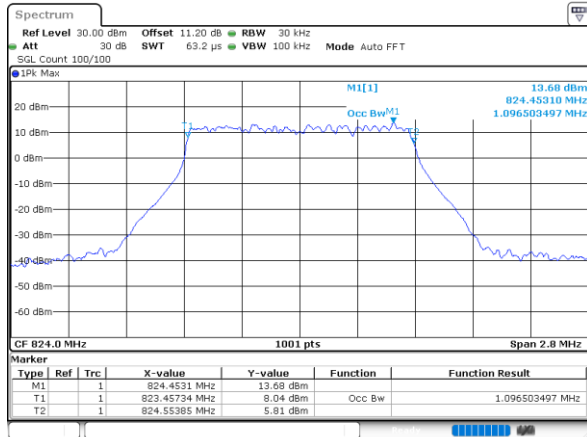
## Middle Channel / 15MHz / 16QAM



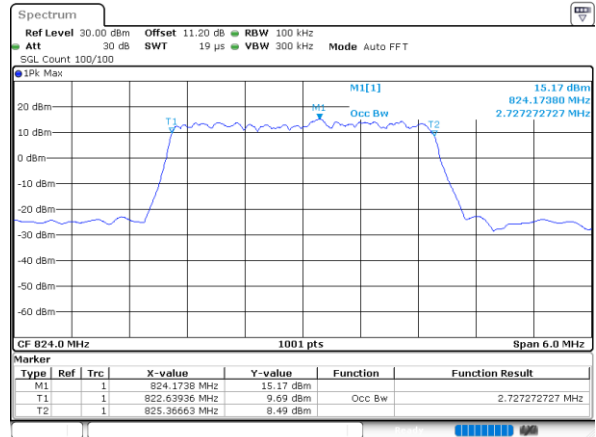


## LTE Band 26

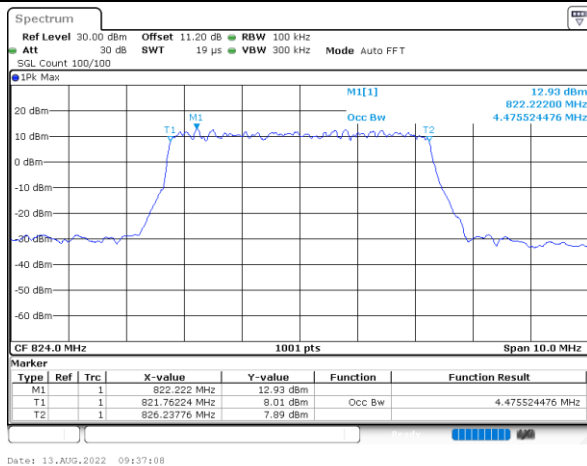
## Middle Channel / 1.4MHz / 64QAM



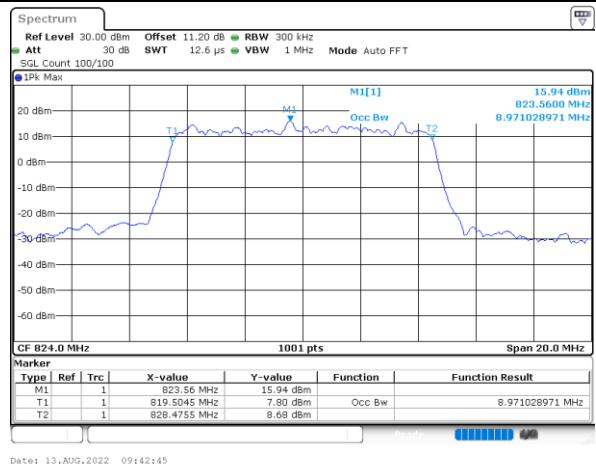
## Middle Channel / 3MHz / 64QAM



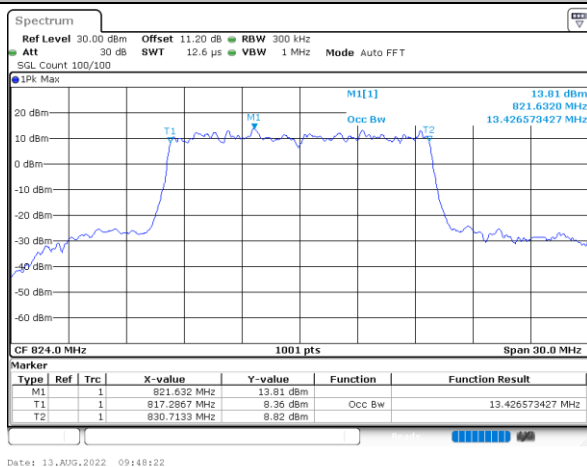
## Middle Channel / 5MHz / 64QAM



## Middle Channel / 10MHz / 64QAM



## Middle Channel / 15MHz / 64QAM

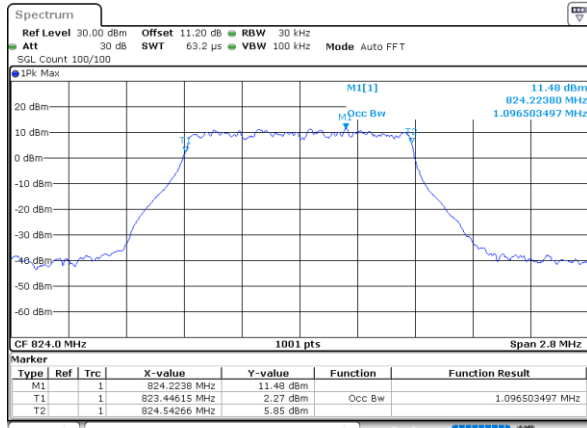


N/A

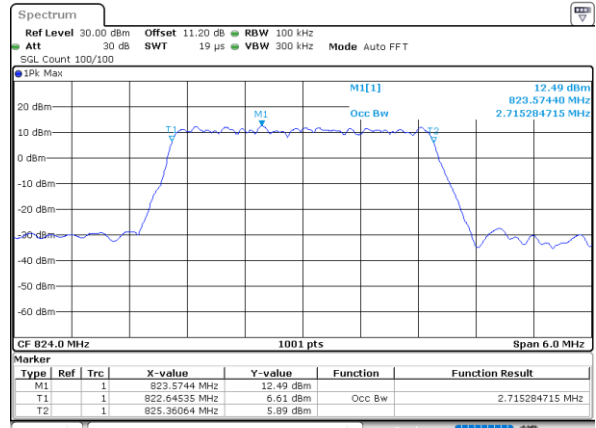


## LTE Band 26

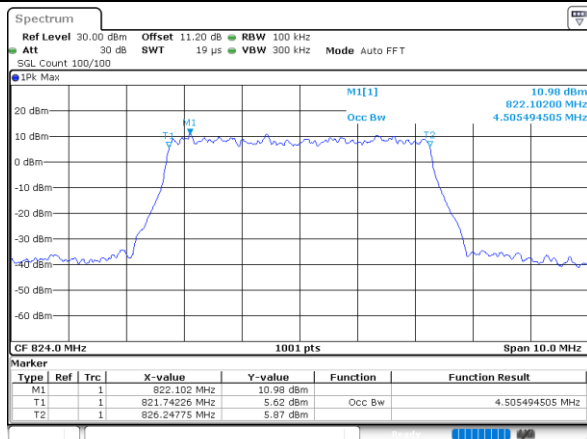
## Middle Channel / 1.4MHz / 256QAM



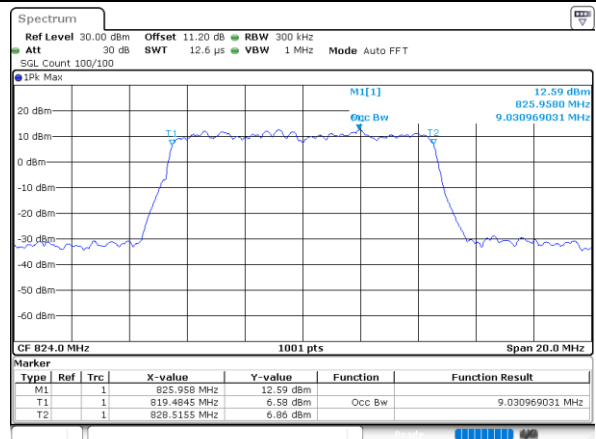
## Middle Channel / 3MHz / 256QAM



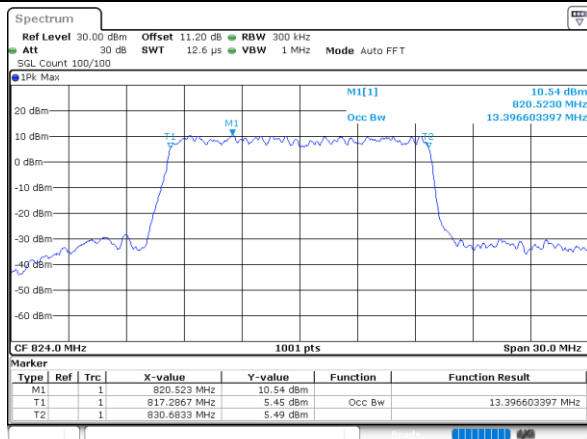
## Middle Channel / 5MHz / 256QAM



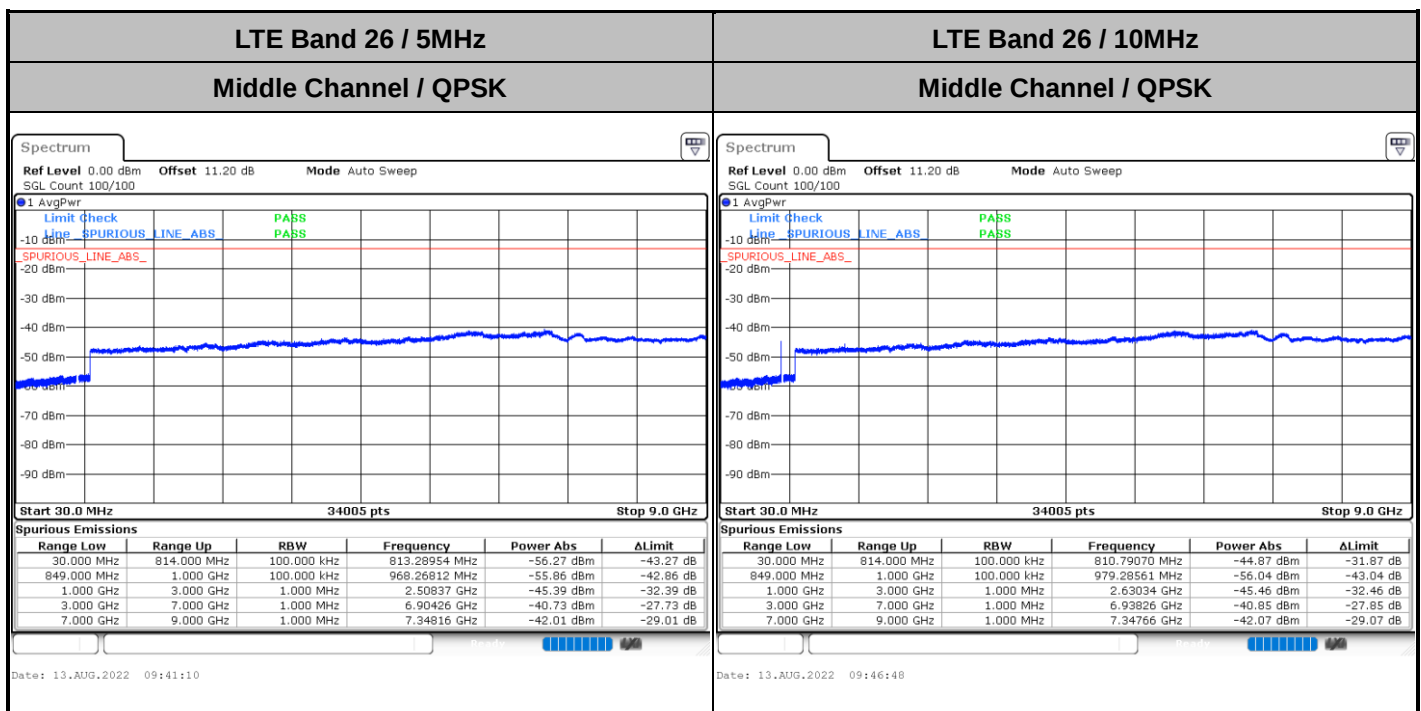
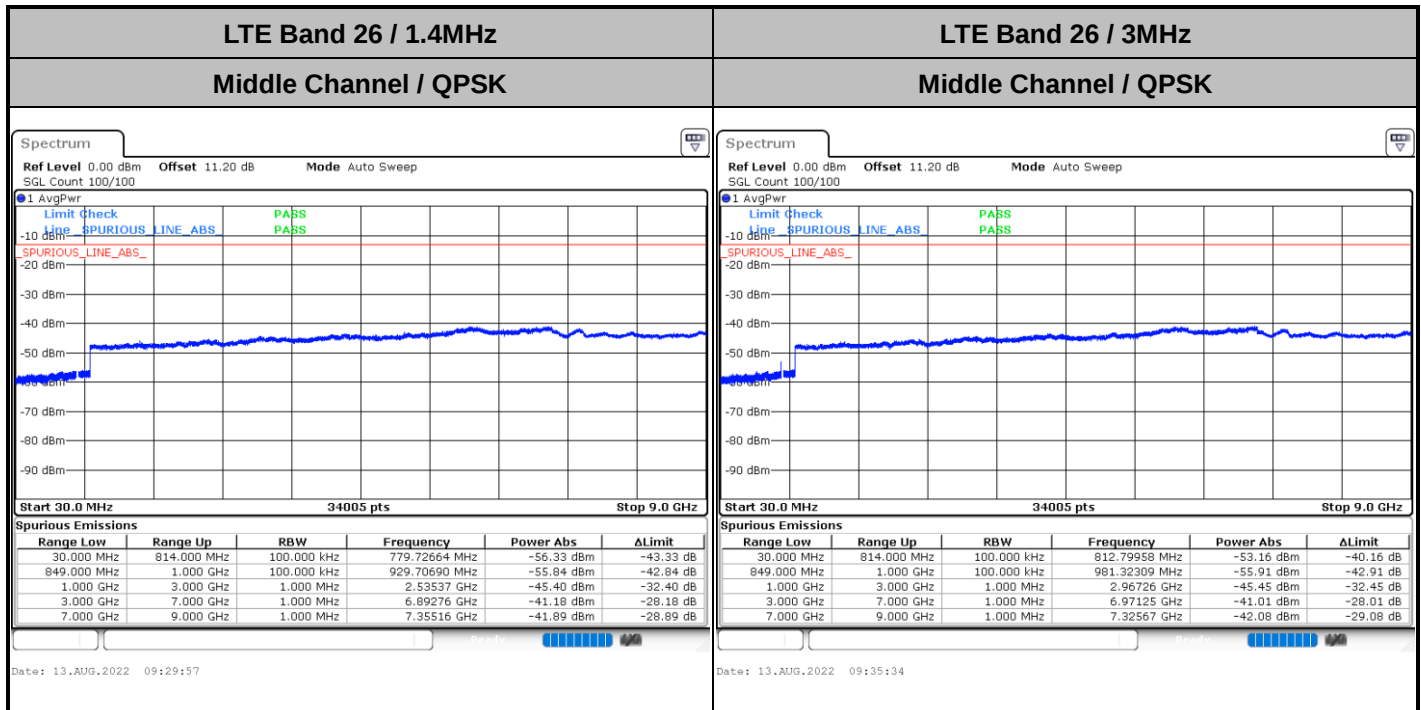
## Middle Channel / 10MHz / 256QAM

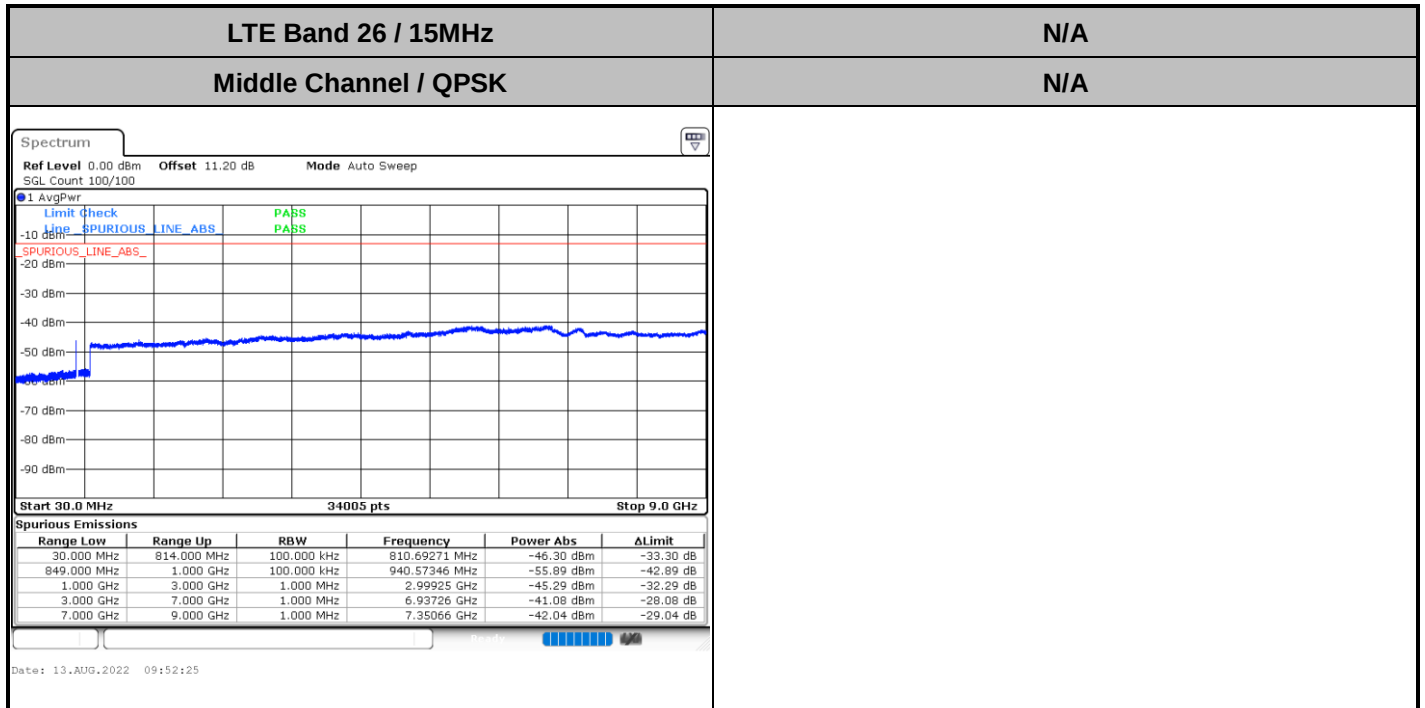


## Middle Channel /15MHz / 256QAM



N/A

**Emission masks – Out of band emissions**



## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0099                              | PASS    |
| 40                  | Normal Voltage    | 0.0059                              |         |
| 30                  | Normal Voltage    | 0.0057                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0073                              |         |
| 0                   | Normal Voltage    | 0.0066                              |         |
| -10                 | Normal Voltage    | 0.0051                              |         |
| -20                 | Normal Voltage    | 0.0067                              |         |
| -30                 | Normal Voltage    | 0.0051                              |         |
| 20                  | Maximum Voltage   | 0.0070                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0077                              |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions     |                   | LTE Band 26 (QPSK) / Low Channel | Limit   |
|---------------------|-------------------|----------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 15MHz                         | Note 2. |
|                     |                   | Deviation (ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0067                           | PASS    |
| 40                  | Normal Voltage    | 0.0038                           |         |
| 30                  | Normal Voltage    | 0.0009                           |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                           |         |
| 10                  | Normal Voltage    | 0.0057                           |         |
| 0                   | Normal Voltage    | 0.0027                           |         |
| -10                 | Normal Voltage    | 0.0052                           |         |
| -20                 | Normal Voltage    | 0.0050                           |         |
| -30                 | Normal Voltage    | 0.0068                           |         |
| 20                  | Maximum Voltage   | 0.0049                           |         |
| 20                  | Normal Voltage    | 0.0000                           |         |
| 20                  | Battery End Point | 0.0050                           |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### LTE Band 26

| LTE Band 26 / 5MHz / QPSK |                      |                |                  |                  |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1628                 | -60.05         | -13              | -47.05           | -75.77                  | -60.89                   | 6.31                       | 9.30                        | H                     |
|                           | 2443                 | -58.66         | -13              | -45.66           | -76.15                  | -58.86                   | 7.87                       | 10.22                       | H                     |
|                           | 3257                 | -56.33         | -13              | -43.33           | -76.21                  | -56.92                   | 9.07                       | 11.81                       | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           | 1628                 | -60.06         | -13              | -47.06           | -75.78                  | -60.90                   | 6.31                       | 9.30                        | V                     |
|                           | 2443                 | -59.03         | -13              | -46.03           | -76.37                  | -59.23                   | 7.87                       | 10.22                       | V                     |
|                           | 3257                 | -56.32         | -13              | -43.32           | -76.33                  | -56.91                   | 9.07                       | 11.81                       | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |
| Middle                    | 1633                 | -59.77         | -13              | -46.77           | -75.55                  | -60.62                   | 6.32                       | 9.32                        | H                     |
|                           | 2450                 | -58.73         | -13              | -45.73           | -76.18                  | -58.92                   | 7.91                       | 10.25                       | H                     |
|                           | 3267                 | -56.47         | -13              | -43.47           | -76.36                  | -57.10                   | 9.09                       | 11.87                       | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | H                     |
|                           | 1633                 | -59.73         | -13              | -46.73           | -75.52                  | -60.58                   | 6.32                       | 9.32                        | V                     |
|                           | 2450                 | -59.13         | -13              | -46.13           | -76.43                  | -59.32                   | 7.91                       | 10.25                       | V                     |
|                           | 3267                 | -56.63         | -13              | -43.63           | -76.64                  | -57.26                   | 9.09                       | 11.87                       | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                  |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1638 | -59.82 | -13 | -46.82 | -75.66 | -60.67 | 6.33 | 9.33  | H |
|         | 2458 | -58.97 | -13 | -45.97 | -76.41 | -59.16 | 7.95 | 10.29 | H |
|         | 3277 | -56.64 | -13 | -43.64 | -76.54 | -57.30 | 9.11 | 11.92 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1638 | -59.88 | -13 | -46.88 | -75.72 | -60.73 | 6.33 | 9.33  | V |
|         | 2458 | -59.32 | -13 | -46.32 | -76.6  | -59.51 | 7.95 | 10.29 | V |
|         | 3277 | -56.61 | -13 | -43.61 | -76.62 | -57.27 | 9.11 | 11.92 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.