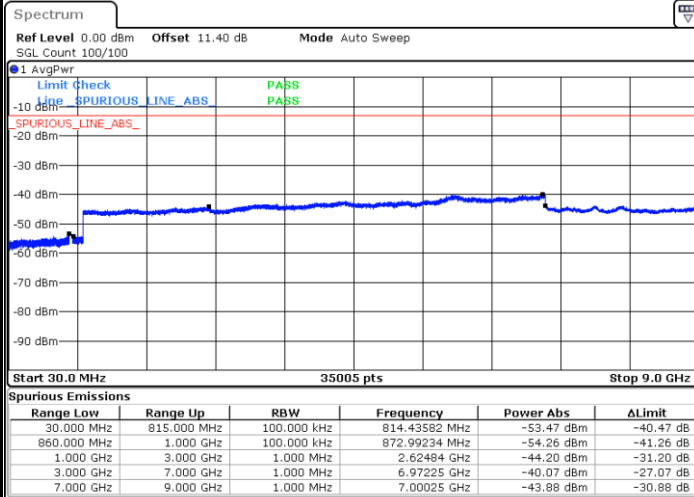




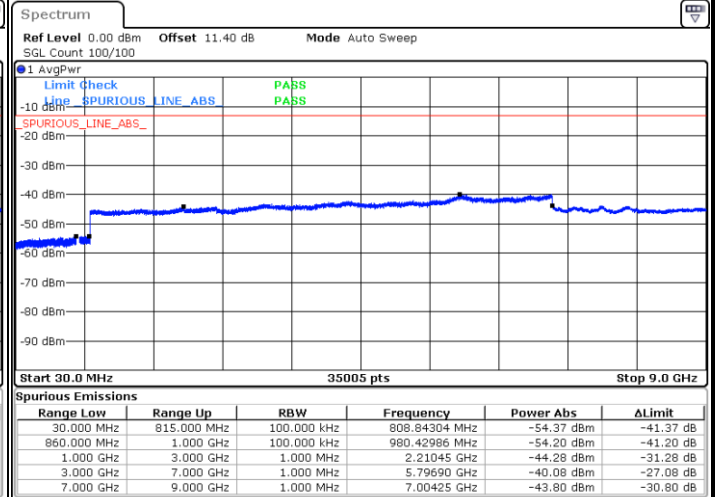
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



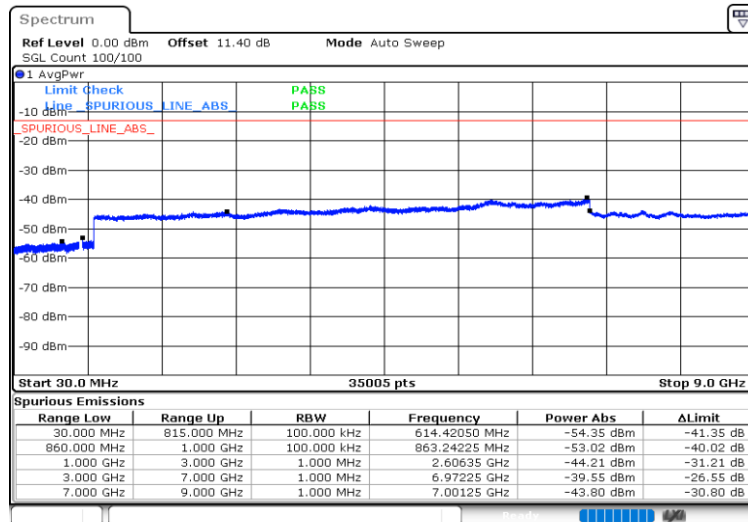
Date: 12.AUG.2024 15:09:20

## Middle Channel / QPSK



Date: 12.AUG.2024 15:34:37

## Highest Channel / QPSK

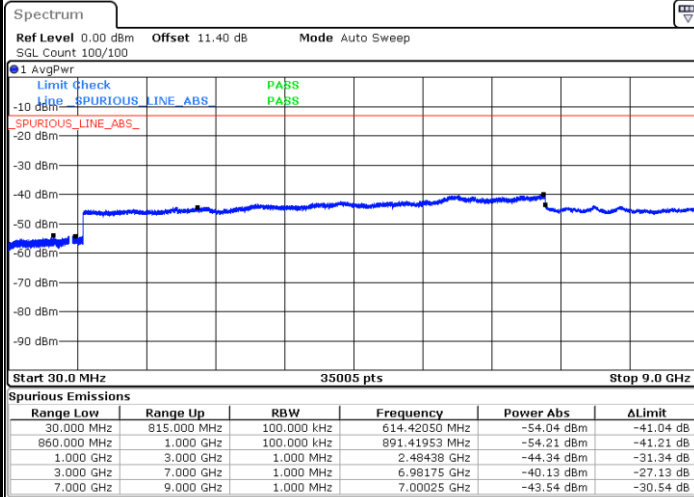


Date: 12.AUG.2024 15:13:03



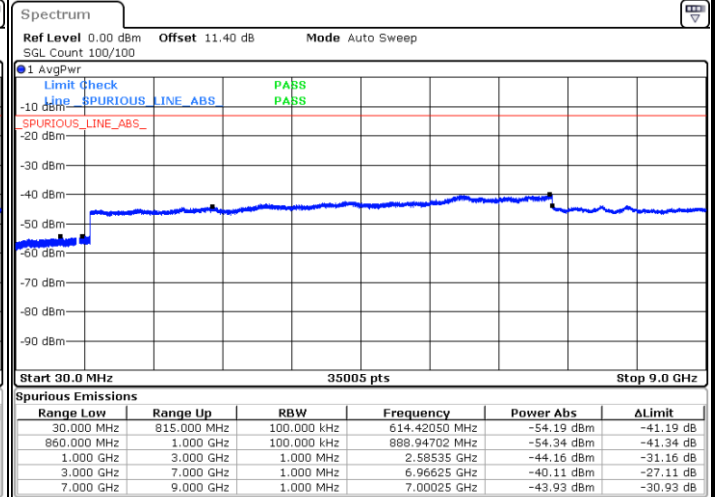
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



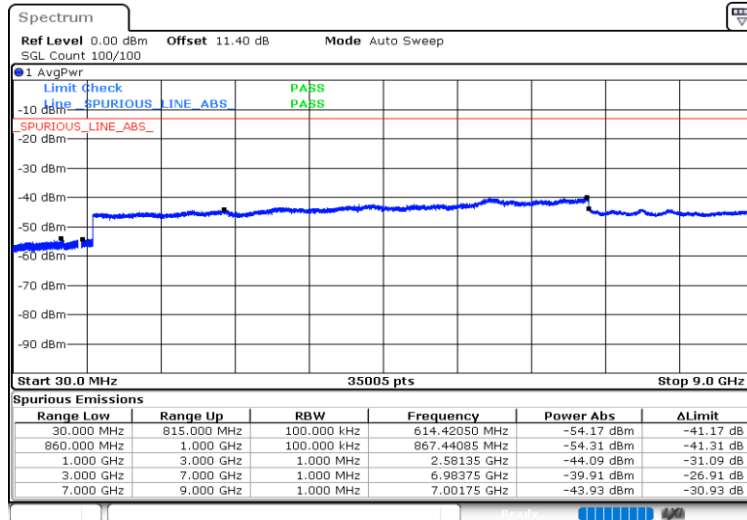
Date: 12.AUG.2024 12:42:15

## Middle Channel / QPSK



Date: 12.AUG.2024 12:55:12

## Highest Channel / QPSK

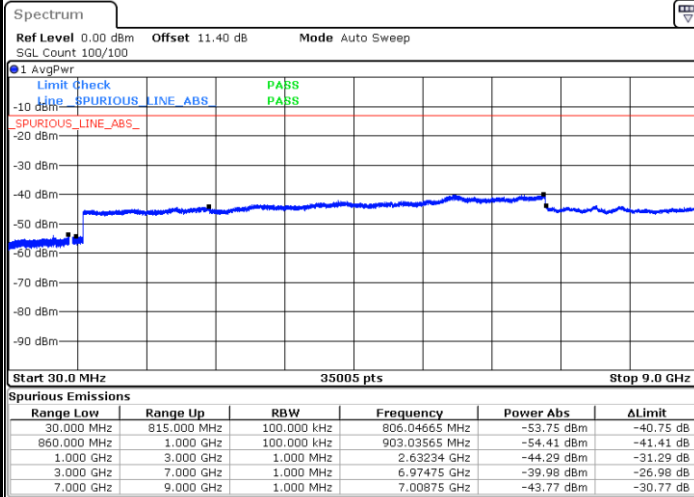


Date: 12.AUG.2024 12:47:06

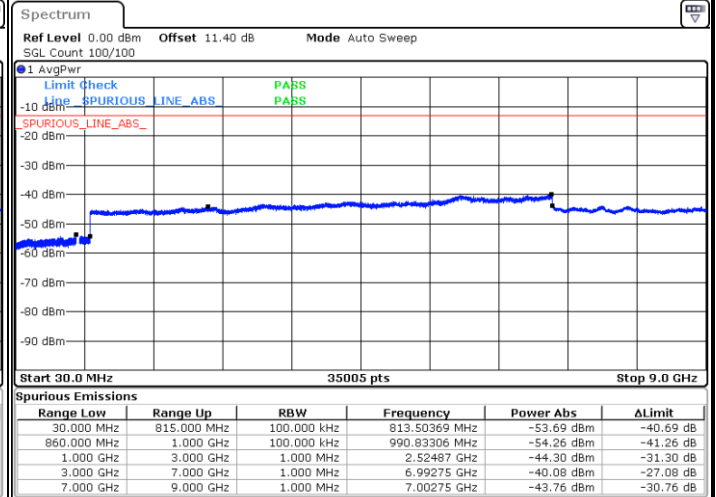


## LTE Band 26 / 10MHz

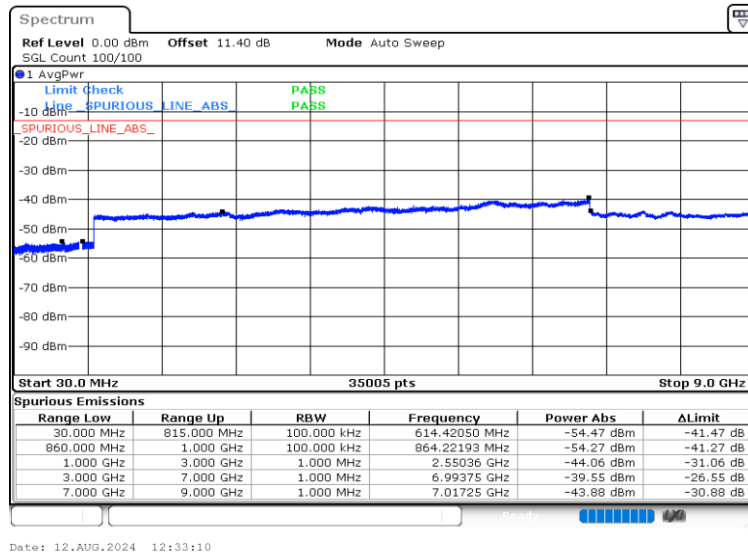
## Lowest Channel / QPSK



## Middle Channel / QPSK



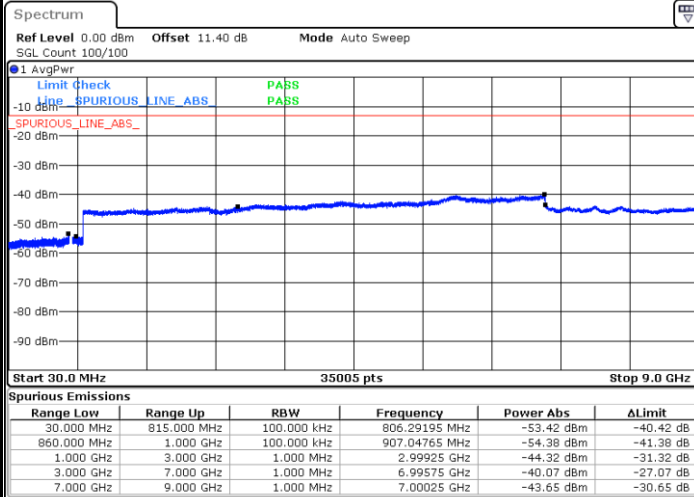
## Highest Channel / QPSK





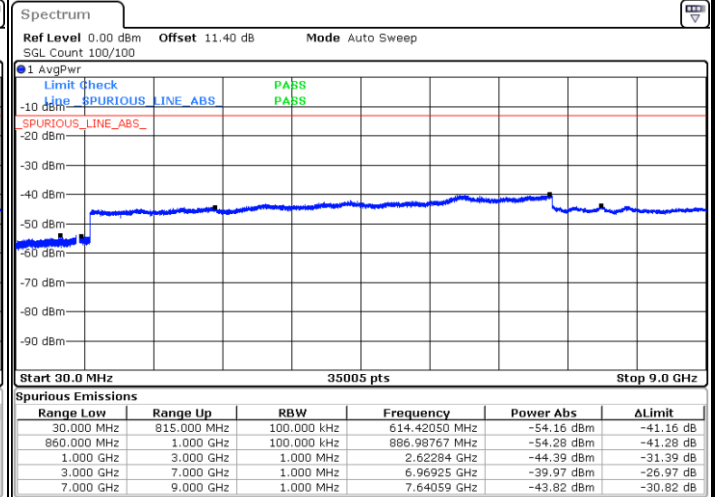
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



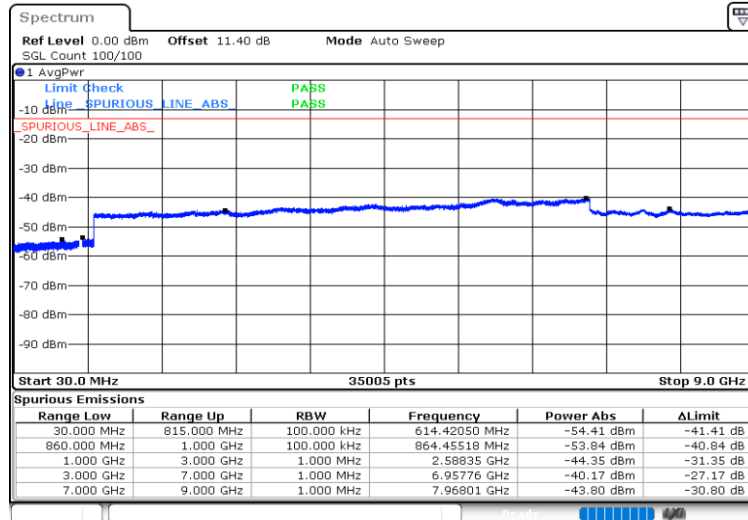
Date: 12.AUG.2024 12:12:45

## Middle Channel / QPSK



Date: 12.AUG.2024 12:21:38

## Highest Channel / QPSK



Date: 12.AUG.2024 12:17:00

## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|-------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | 2.5ppm |
|                     |                   | Deviation (ppm)                     | Result |
| 50                  | Normal Voltage    | 0.0091                              | PASS   |
| 40                  | Normal Voltage    | 0.0073                              |        |
| 30                  | Normal Voltage    | 0.0049                              |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |        |
| 10                  | Normal Voltage    | 0.0109                              |        |
| 0                   | Normal Voltage    | 0.0008                              |        |
| -10                 | Normal Voltage    | 0.0096                              |        |
| -20                 | Normal Voltage    | 0.0004                              |        |
| -30                 | Normal Voltage    | 0.0127                              |        |
| 20                  | Maximum Voltage   | 0.0051                              |        |
| 20                  | Normal Voltage    | 0.0000                              |        |
| 20                  | Minimum Voltage   | 0.0116                              |        |

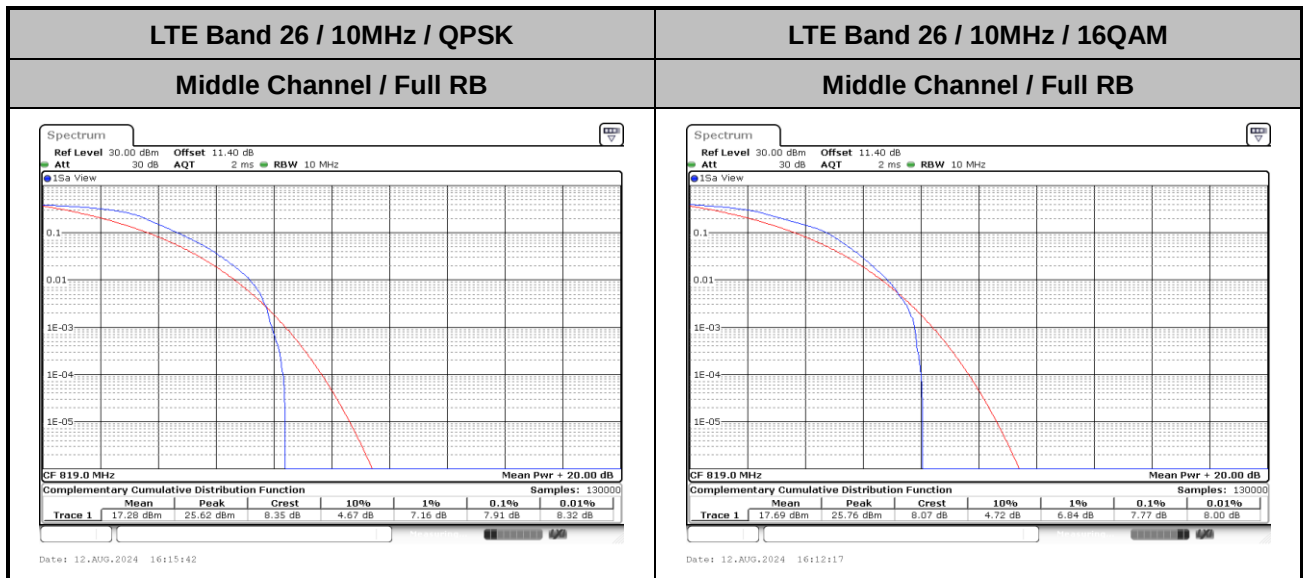
**Note:** Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



## LTE Band 26 (Part 90S)

## Peak-to-Average Ratio

| Mode      | LTE Band 26 / 10MHz |         |             |
|-----------|---------------------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Result      |
| Middle CH | 7.91                | 7.77    | PASS        |





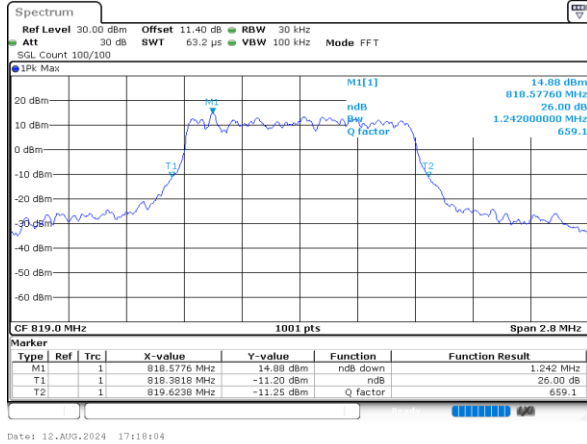
## 26dB Bandwidth

| 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 |
| Low CH    | -                          | -     | -    | -     | -    | -     | -     | -     | 1.76  | 1.61  | -     | -     |
| Middle CH | 1.24                       | 1.12  | 1.37 | 1.14  | 1.36 | 1.18  | 1.77  | 1.55  | -     | -     | -     | -     |

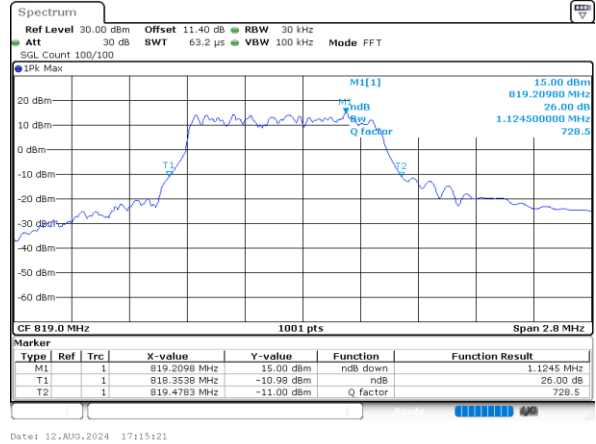


## LTE Band 26

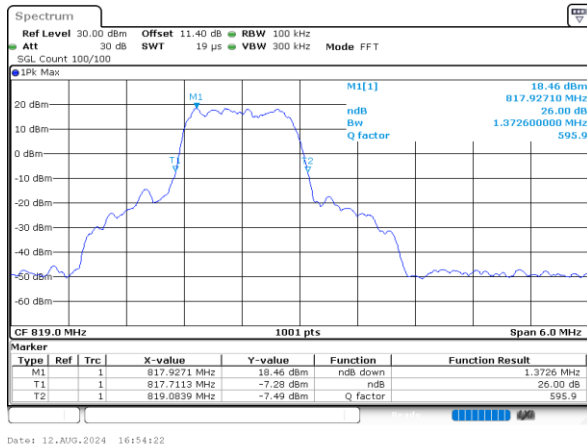
## Middle Channel / 1.4MHz / QPSK



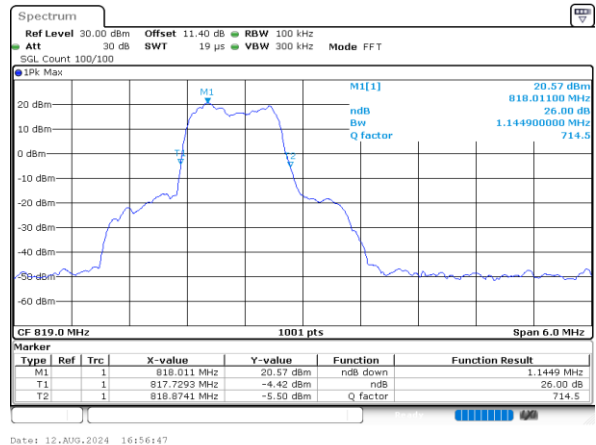
## Middle Channel / 1.4MHz / 16QAM



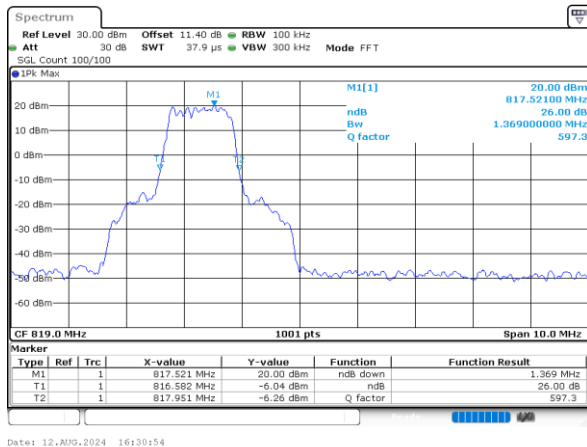
## Middle Channel / 3MHz / QPSK



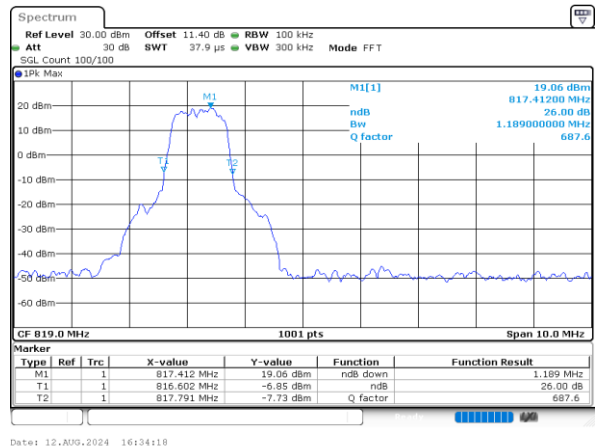
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



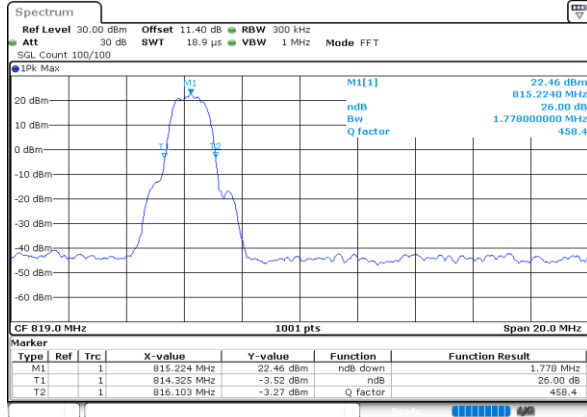
## Middle Channel / 5MHz / 16QAM



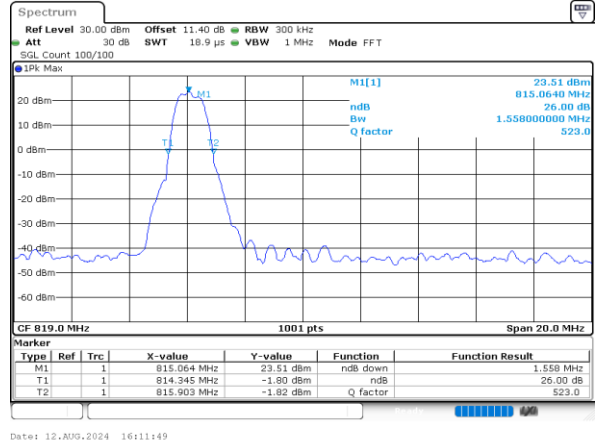


## LTE Band 26

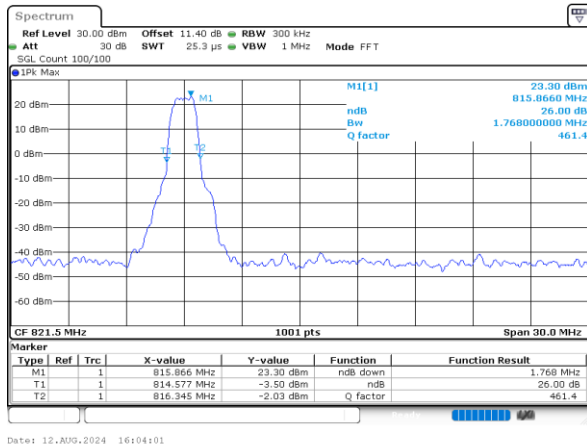
## Middle Channel / 10MHz / QPSK



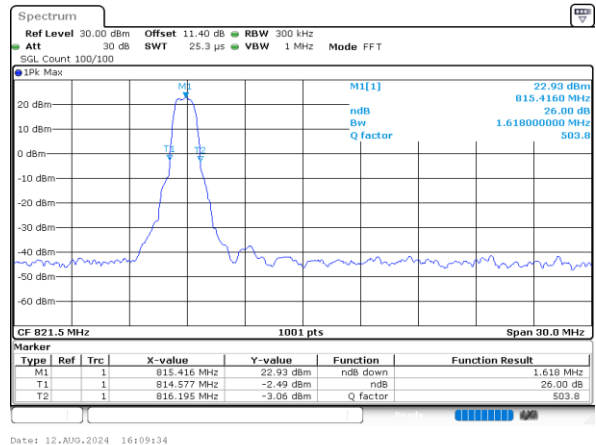
## Middle Channel / 10MHz / 16QAM



## Low Channel / 15MHz / QPSK



## Low Channel / 15MHz / 16QAM





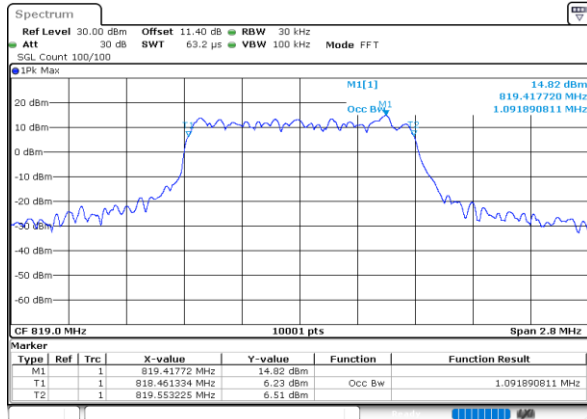
## Occupied Bandwidth

| 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 |
| Low CH    | -                         | -     | -    | -     | -    | -     | -     | -     | 1.43  | 1.29  | -     | -     |
| Middle CH | 1.09                      | 0.90  | 1.13 | 0.98  | 1.15 | 0.97  | 1.47  | 1.26  | -     | -     | -     | -     |

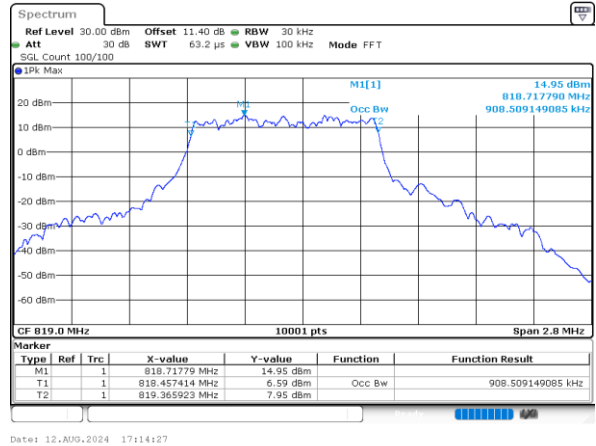


## LTE Band 26

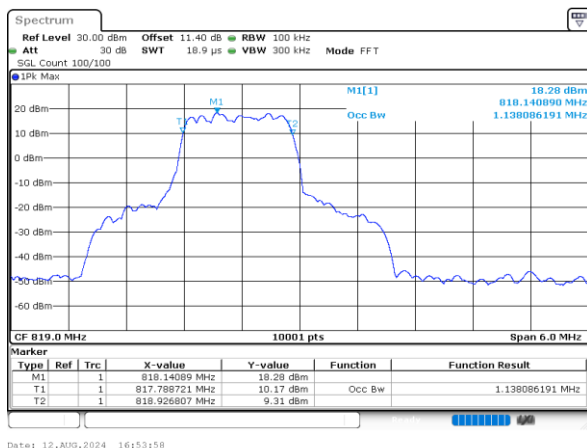
## Middle Channel / 1.4MHz / QPSK



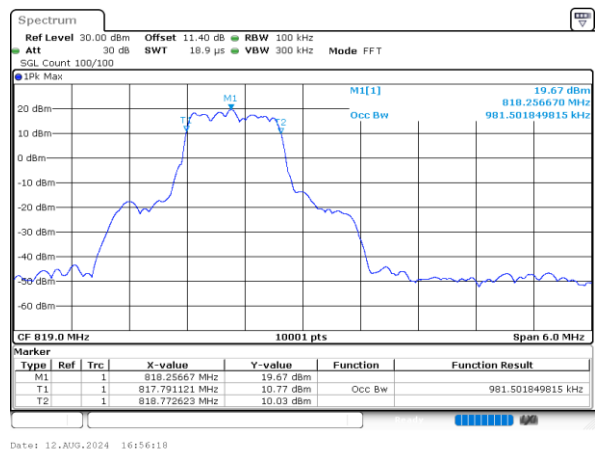
## Middle Channel / 1.4MHz / 16QAM



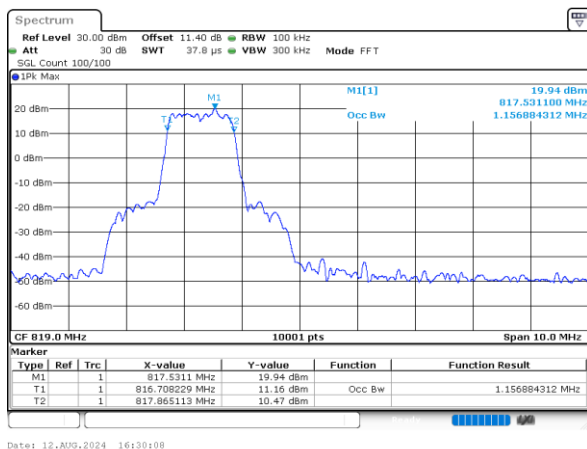
## Middle Channel / 3MHz / QPSK



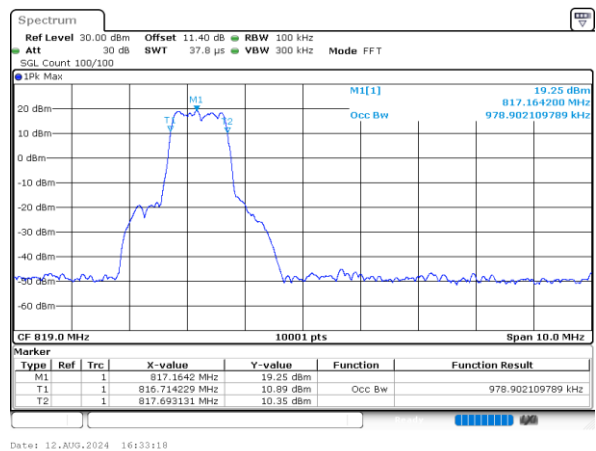
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



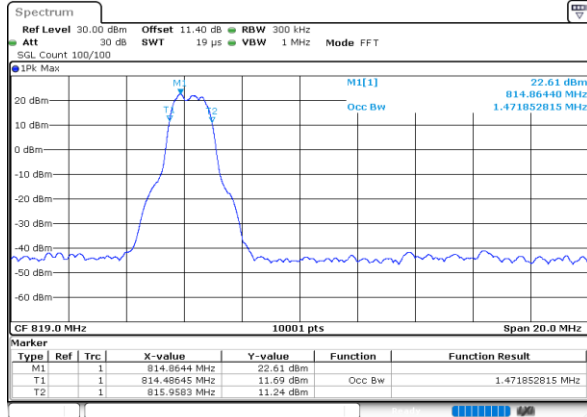
## Middle Channel / 5MHz / 16QAM



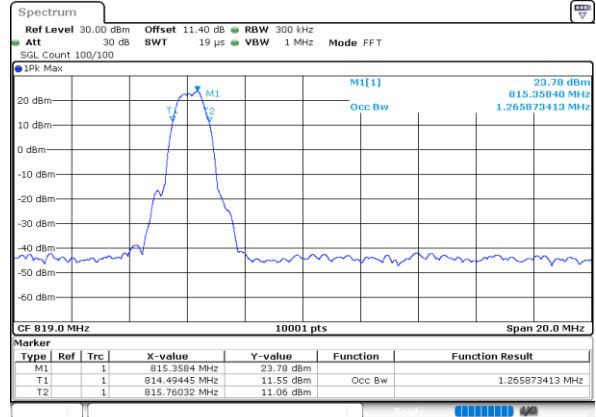


## LTE Band 26

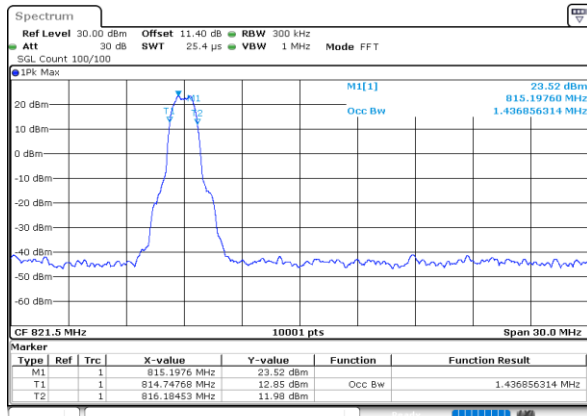
## Middle Channel / 10MHz / QPSK



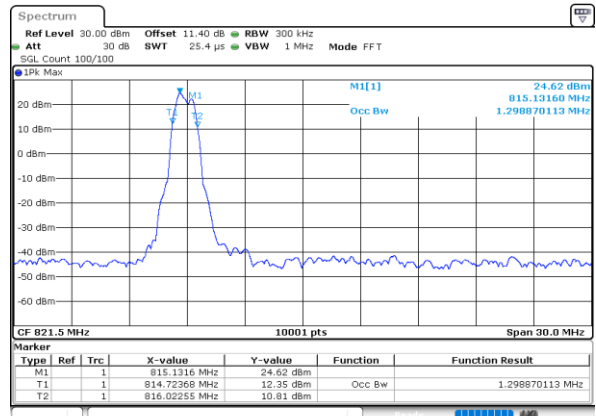
## Middle Channel / 10MHz / 16QAM

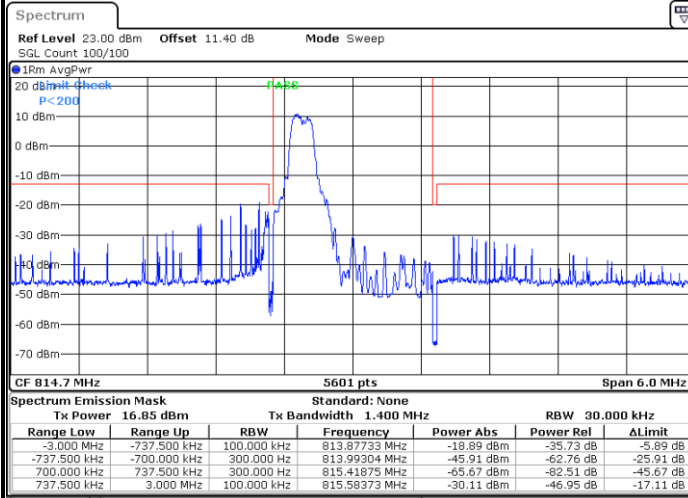
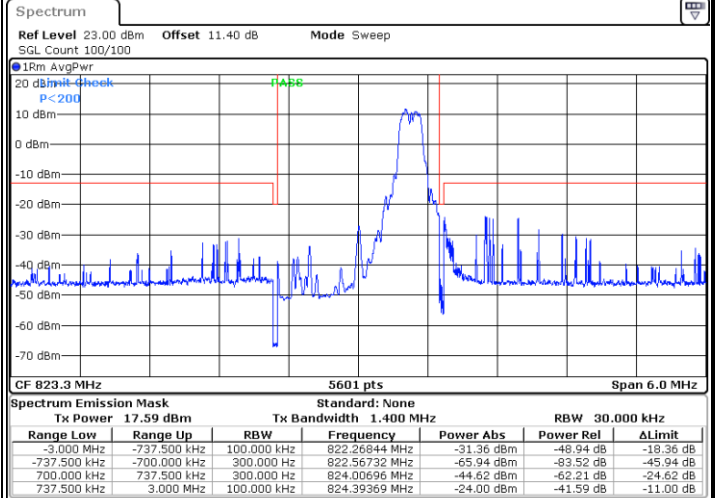
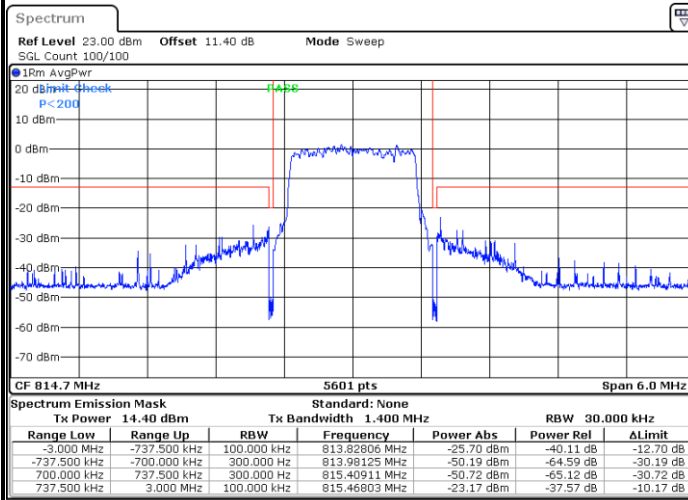
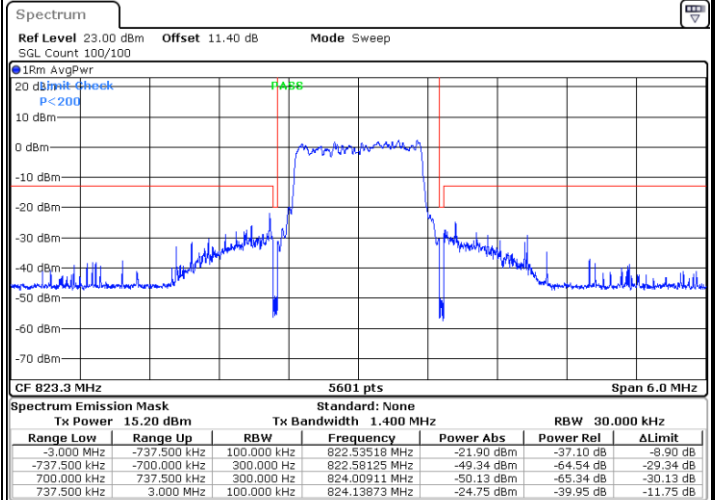


## Low Channel / 15MHz / QPSK



## Low Channel / 15MHz / 16QAM

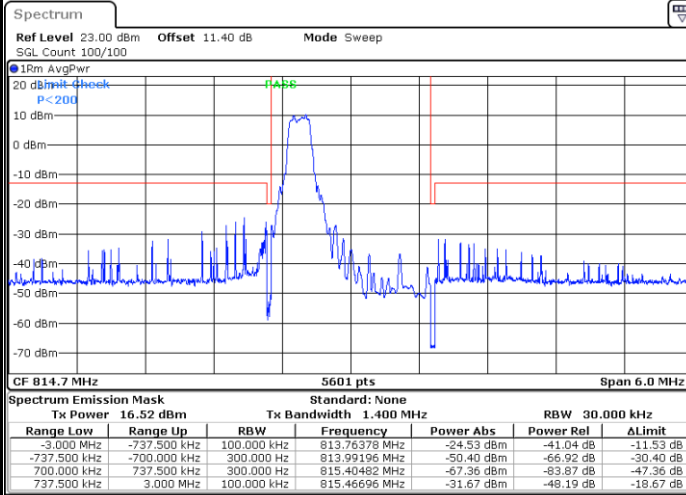


**Emission masks – In-band emissions****LTE Band 26 / 1.4MHz / QPSK****Lowest Channel / 1RB****Highest Channel / 1RB****Lowest Channel / Full RB****Highest Channel / Full RB**

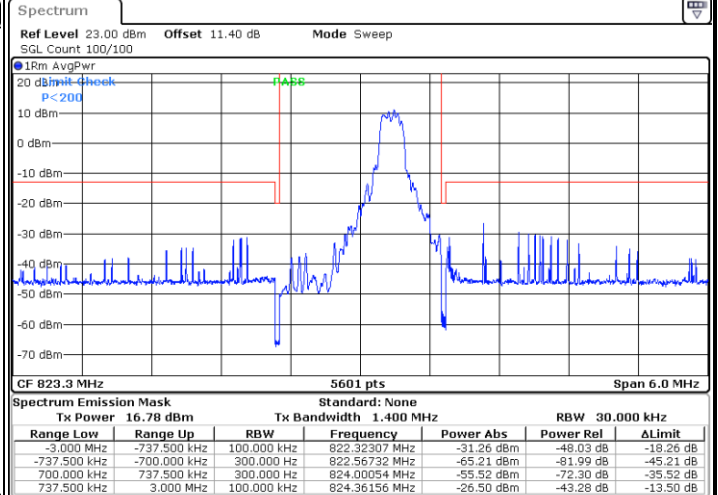


## LTE Band 26 / 1.4MHz / 16QAM

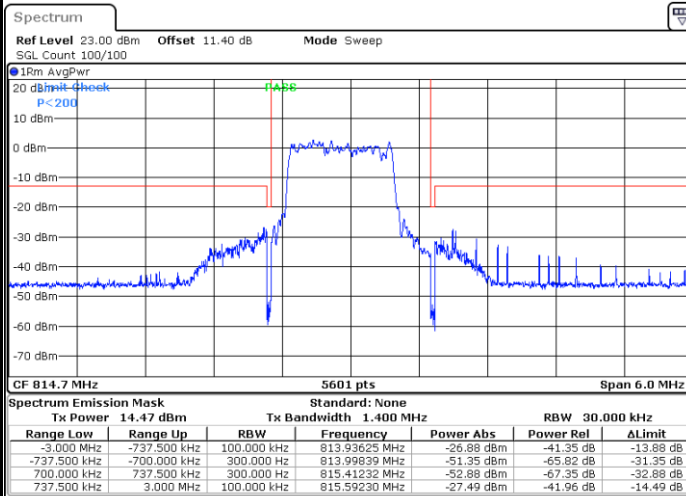
## Lowest Channel / 1 RB



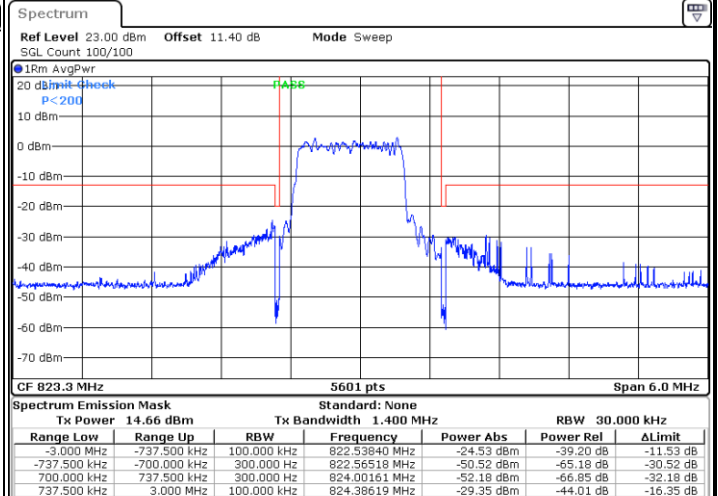
## Highest Channel / 1 RB



## Lowest Channel / Full RB



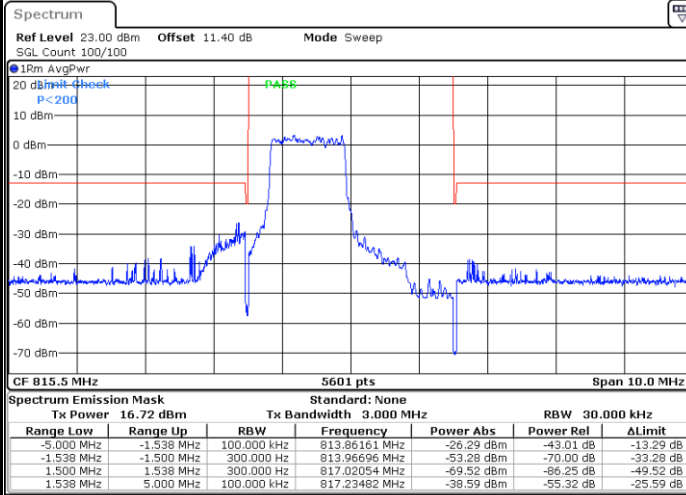
## Highest Channel / Full RB



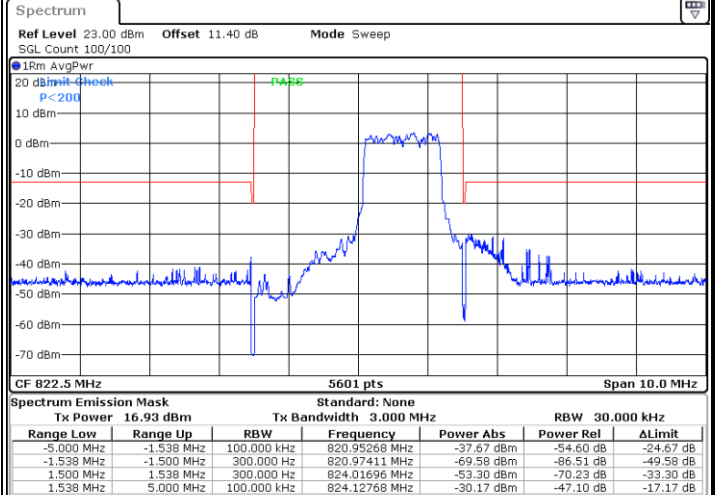


## LTE Band 26 / 3MHz / QPSK

## Lowest Channel / Full RB

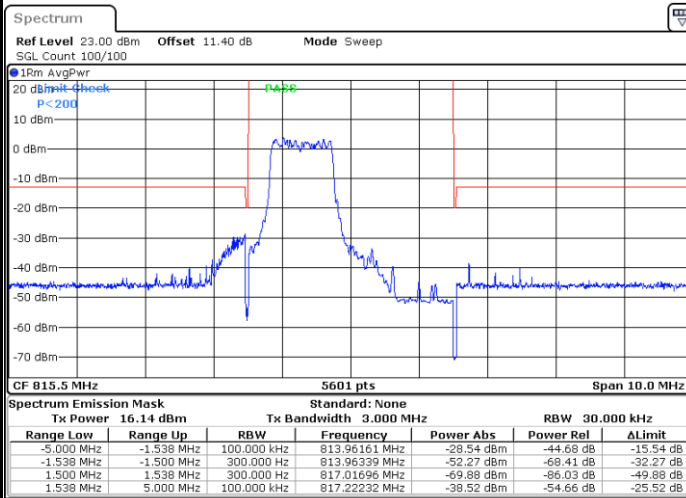


## Highest Channel / Full RB

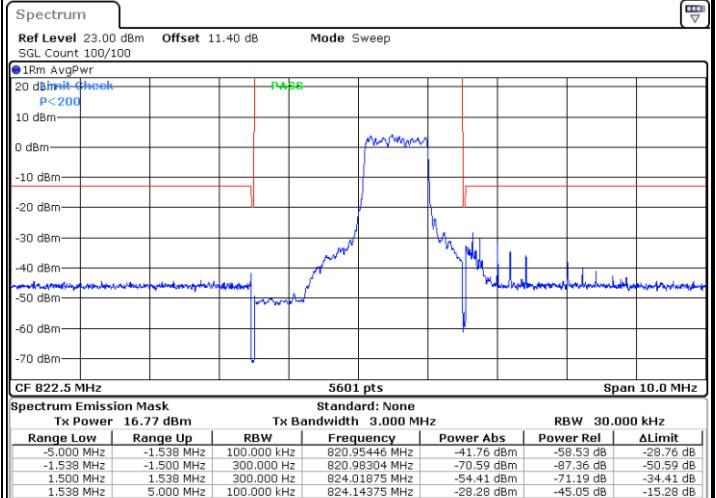


## LTE Band 26 / 3MHz / 16QAM

## Lowest Channel / Full RB



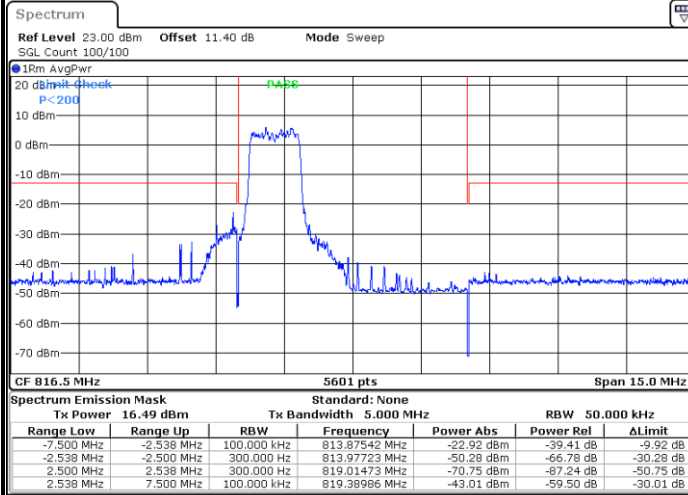
## Highest Channel / Full RB



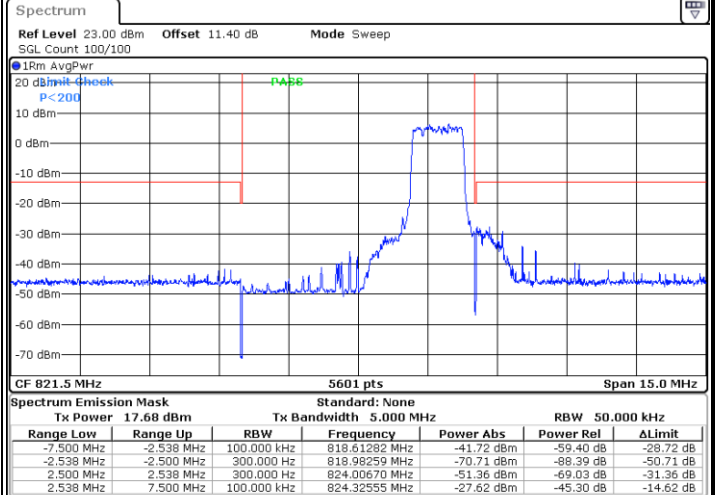


## LTE Band 26 / 5MHz / QPSK

## Lowest Channel / Full RB

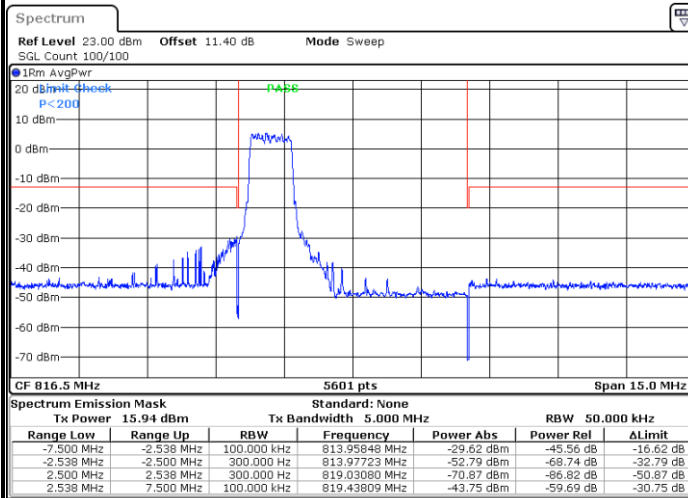


## Highest Channel / Full RB

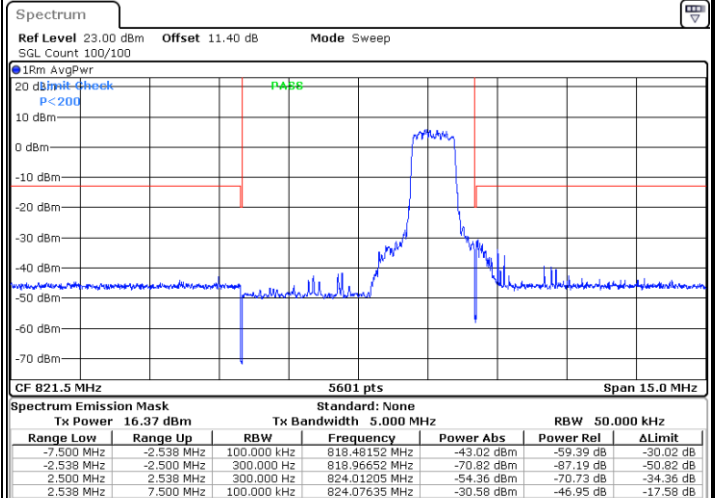


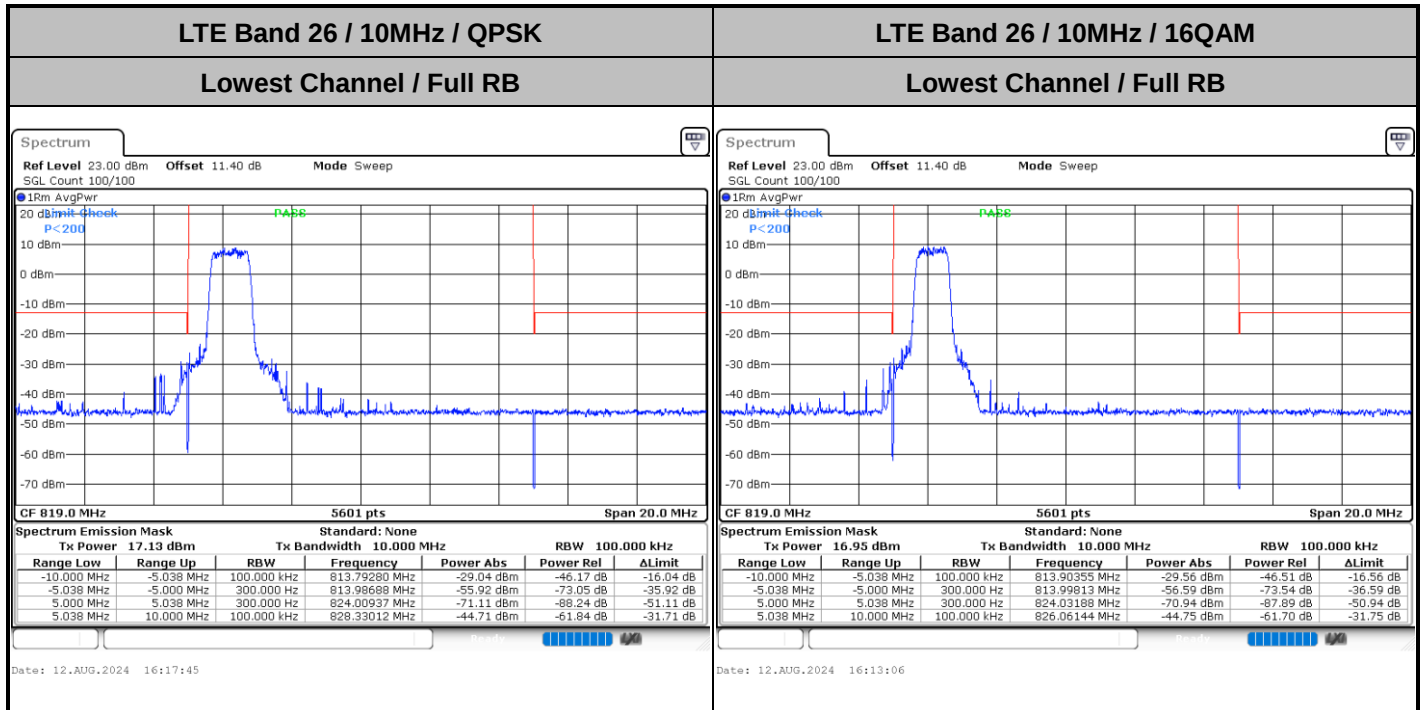
## LTE Band 26 / 5MHz / 16QAM

## Lowest Channel / Full RB



## Highest Channel / Full RB





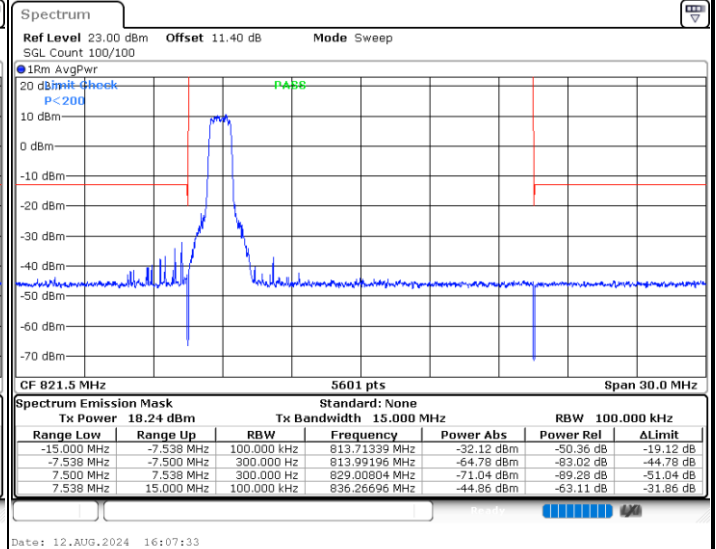
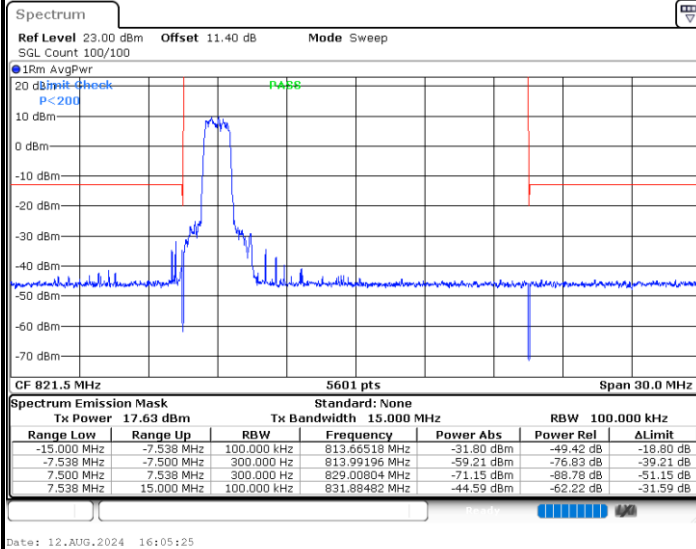


## LTE Band 26 / 15MHz / QPSK

## Lowest Channel / Full RB

## LTE Band 26 / 15MHz / 16QAM

## Lowest Channel / Full RB

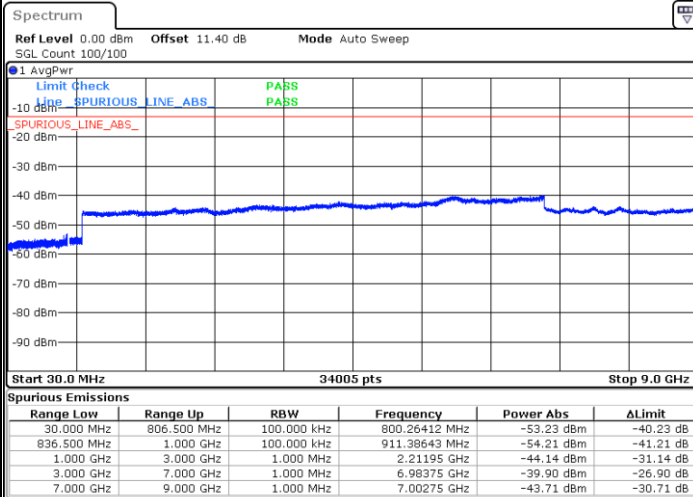




## Emission masks – Out of band emissions

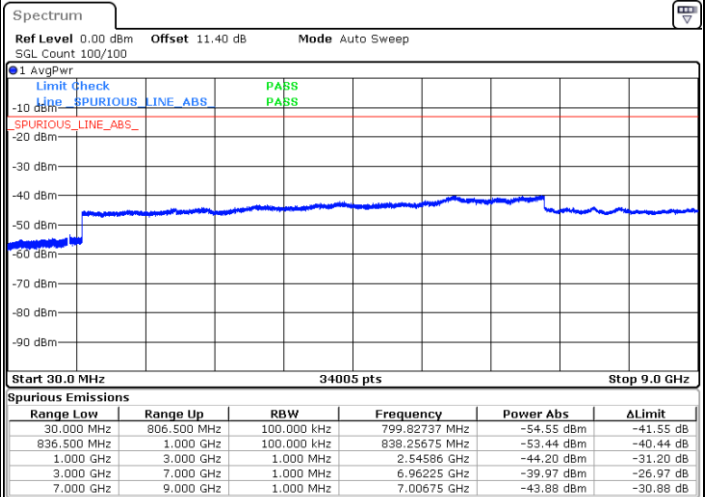
### LTE Band 26 / 1.4MHz

#### Lowest Channel / QPSK



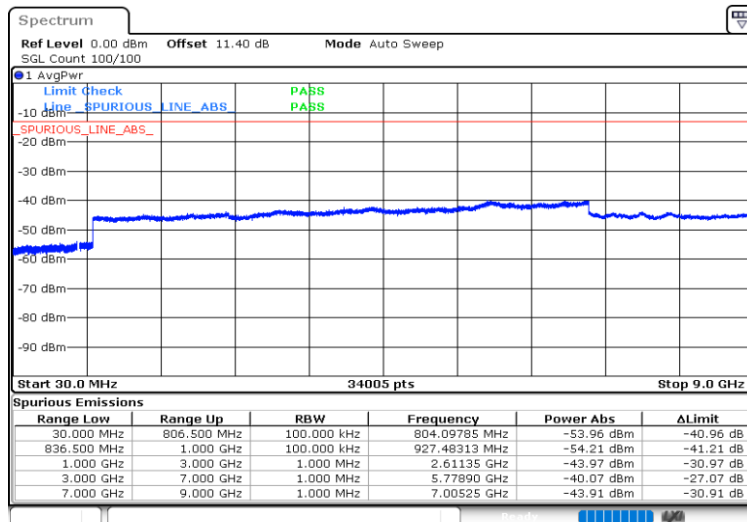
Date: 12.AUG.2024 17:10:03

#### Middle Channel / QPSK



Date: 12.AUG.2024 17:16:29

#### Highest Channel / QPSK

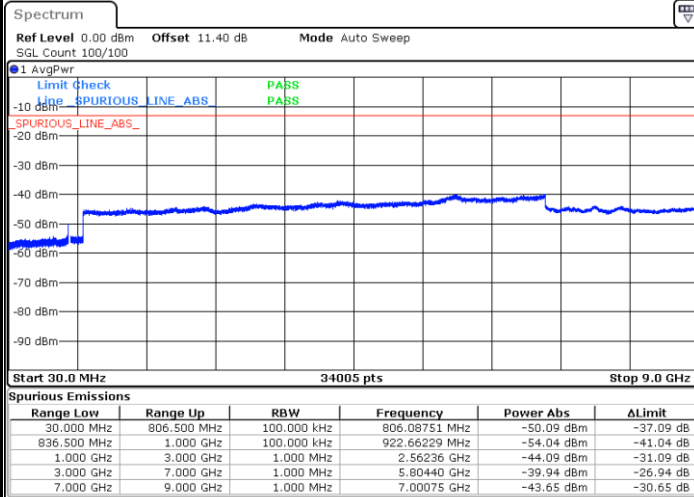


Date: 12.AUG.2024 17:03:27



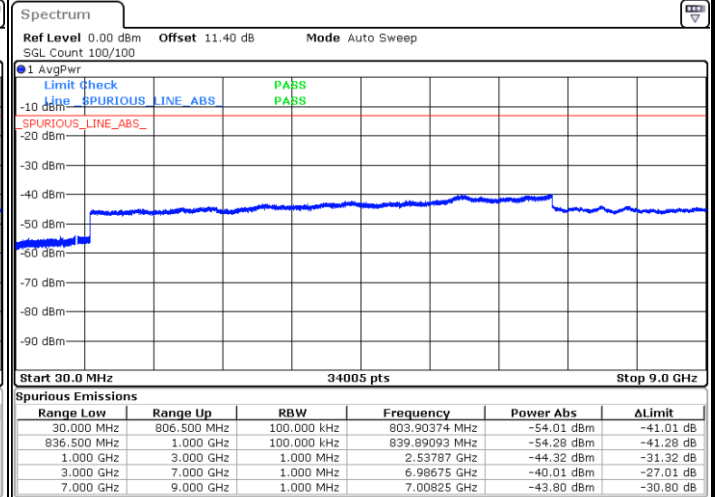
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



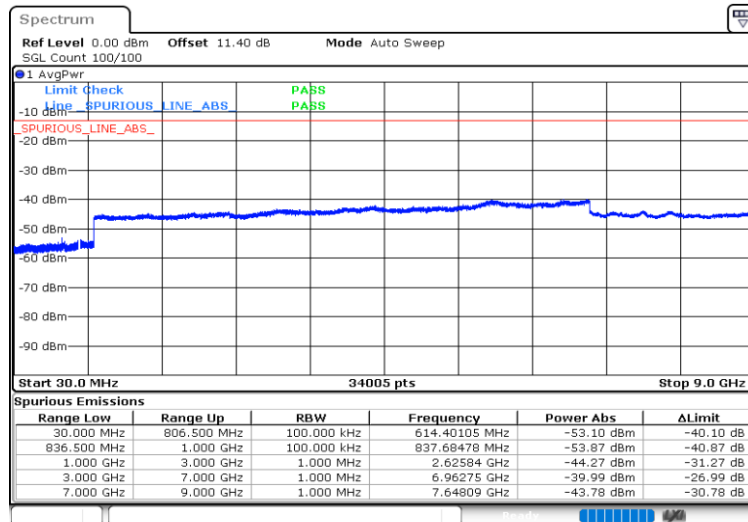
Date: 12.AUG.2024 16:51:42

## Middle Channel / QPSK



Date: 12.AUG.2024 16:55:22

## Highest Channel / QPSK

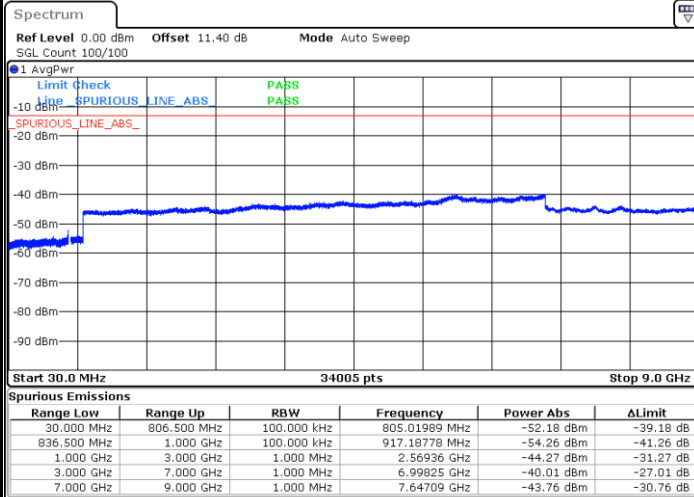


Date: 12.AUG.2024 16:47:46



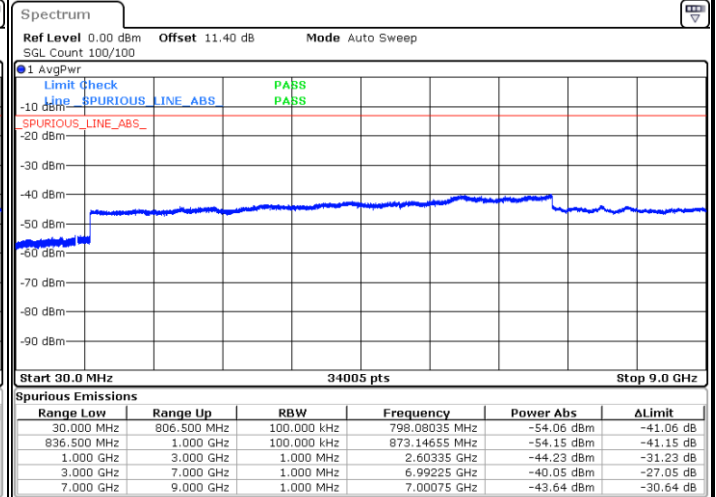
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



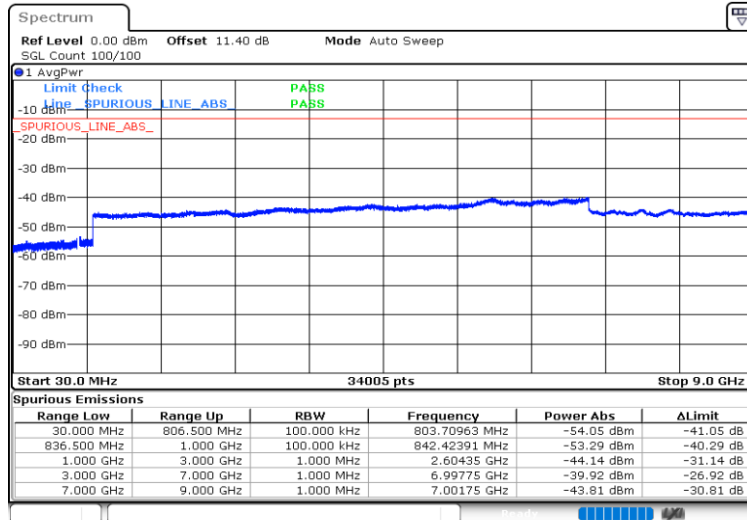
Date: 12.AUG.2024 16:26:38

## Middle Channel / QPSK



Date: 12.AUG.2024 16:32:09

## Highest Channel / QPSK

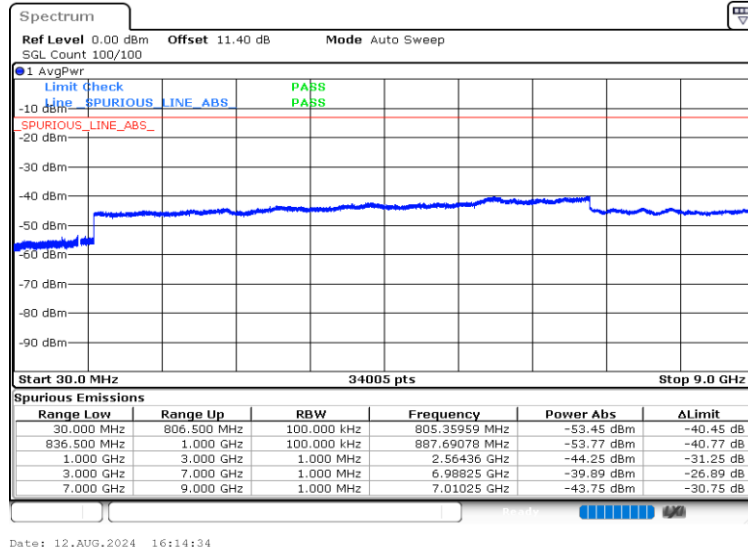


Date: 12.AUG.2024 16:23:21



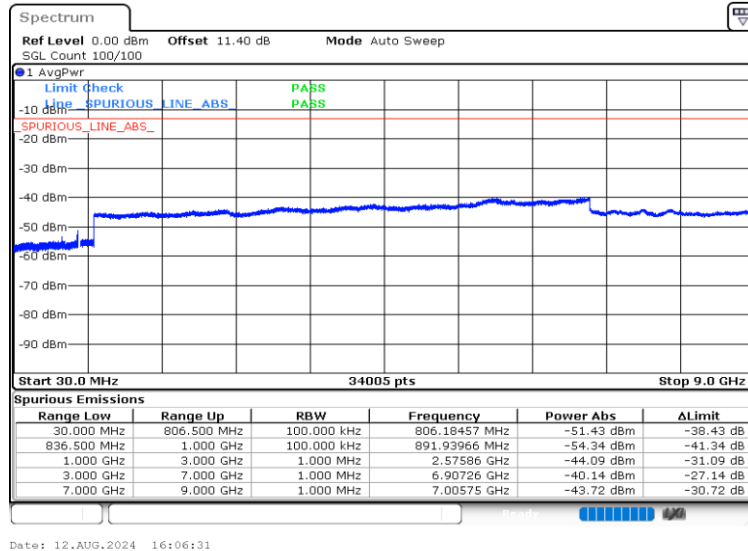
## LTE Band 26 / 10MHz

## Middle Channel / QPSK



## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|-------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | 2.5ppm |
|                     |                   | Deviation (ppm)                     | Result |
| 50                  | Normal Voltage    | 0.0100                              | PASS   |
| 40                  | Normal Voltage    | 0.0074                              |        |
| 30                  | Normal Voltage    | 0.0082                              |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |        |
| 10                  | Normal Voltage    | 0.0203                              |        |
| 0                   | Normal Voltage    | 0.0184                              |        |
| -10                 | Normal Voltage    | 0.0178                              |        |
| -20                 | Normal Voltage    | 0.0017                              |        |
| -30                 | Normal Voltage    | 0.0027                              |        |
| 20                  | Maximum Voltage   | 0.0103                              |        |
| 20                  | Normal Voltage    | 0.0000                              |        |
| 20                  | Minimum Voltage   | 0.0205                              |        |

**Note:** Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.

| Test Conditions     |                   | LTE Band 26 (QPSK) / Low Channel | Limit  |
|---------------------|-------------------|----------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 15MHz                         | 2.5ppm |
|                     |                   | Deviation (ppm)                  | Result |
| 50                  | Normal Voltage    | 0.0024                           | PASS   |
| 40                  | Normal Voltage    | 0.0183                           |        |
| 30                  | Normal Voltage    | 0.0140                           |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                           |        |
| 10                  | Normal Voltage    | 0.0219                           |        |
| 0                   | Normal Voltage    | 0.0090                           |        |
| -10                 | Normal Voltage    | 0.0178                           |        |
| -20                 | Normal Voltage    | 0.0084                           |        |
| -30                 | Normal Voltage    | 0.0019                           |        |
| 20                  | Maximum Voltage   | 0.0056                           |        |
| 20                  | Normal Voltage    | 0.0000                           |        |
| 20                  | Minimum Voltage   | 0.0169                           |        |

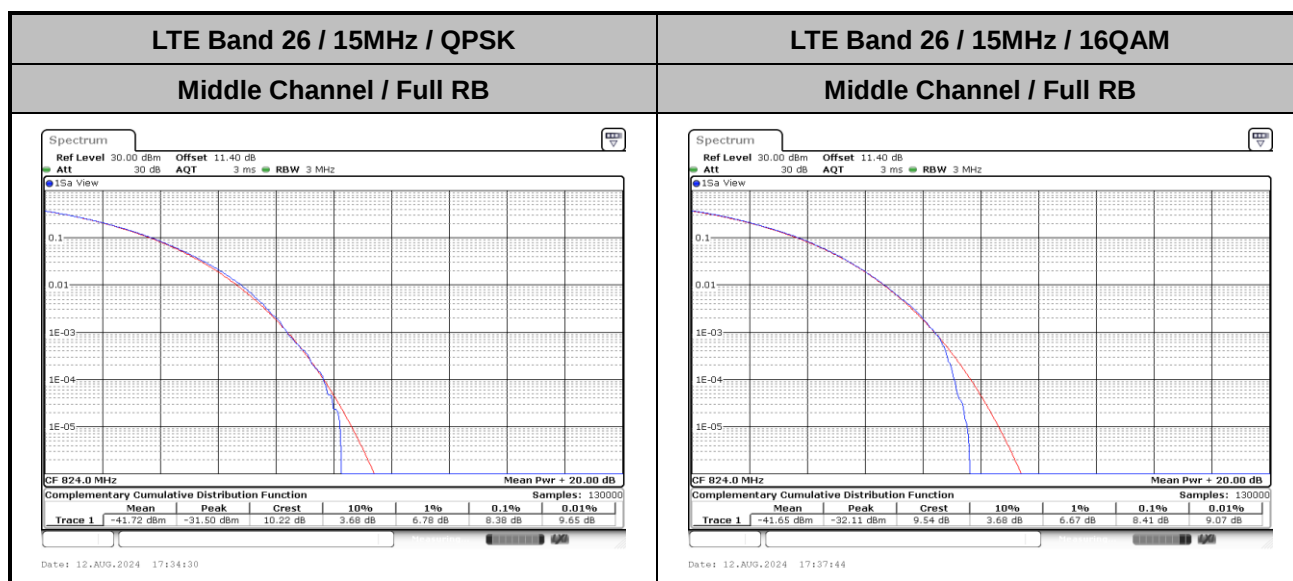
**Note:** Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



## LTE Band 26 (Part 90S\_824MHz)

## Peak-to-Average Ratio

| Mode      | LTE Band 26 / 15MHz |         |             |
|-----------|---------------------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Result      |
| Middle CH | 8.38                | 8.41    | PASS        |





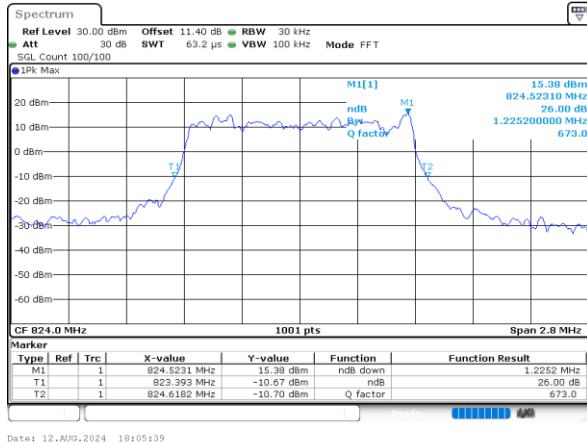
**26dB Bandwidth**

| 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 | 1.22                       | 1.09  | 1.30 | 1.21  | 1.38 | 1.22  | 1.75  | 1.57  | 1.76  | 1.58  | -     | -     |

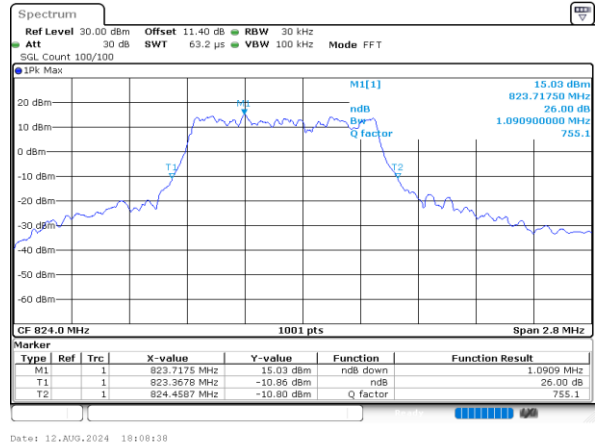


## LTE Band 26

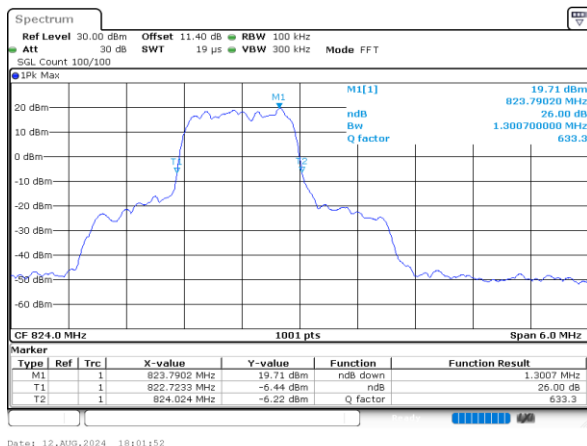
## Middle Channel / 1.4MHz / QPSK



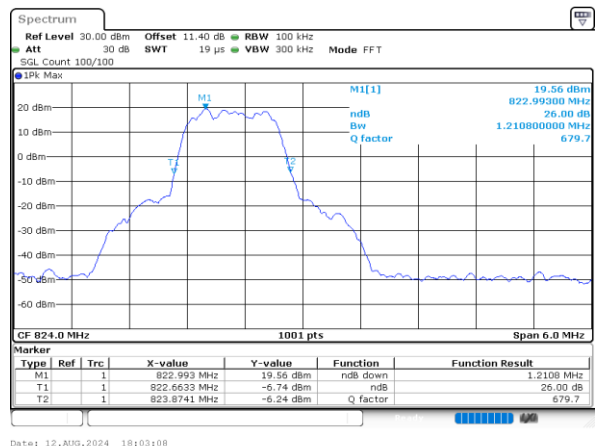
## Middle Channel / 1.4MHz / 16QAM



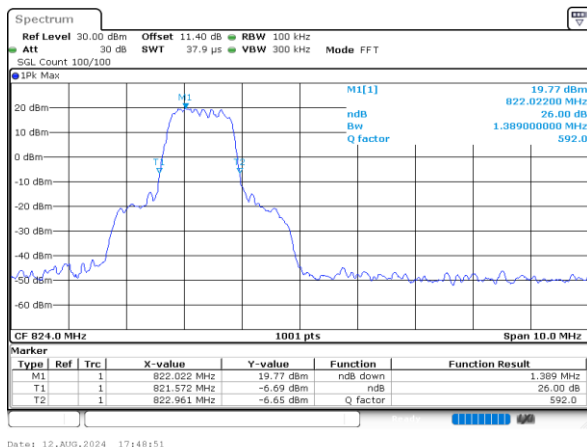
## Middle Channel / 3MHz / QPSK



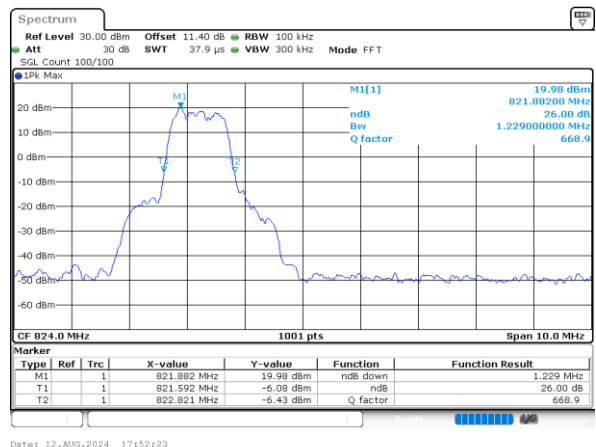
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



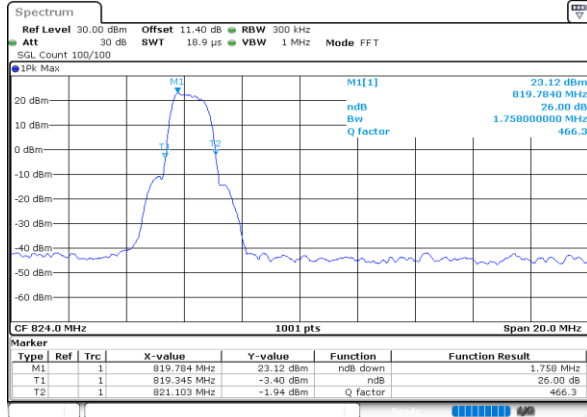
## Middle Channel / 5MHz / 16QAM



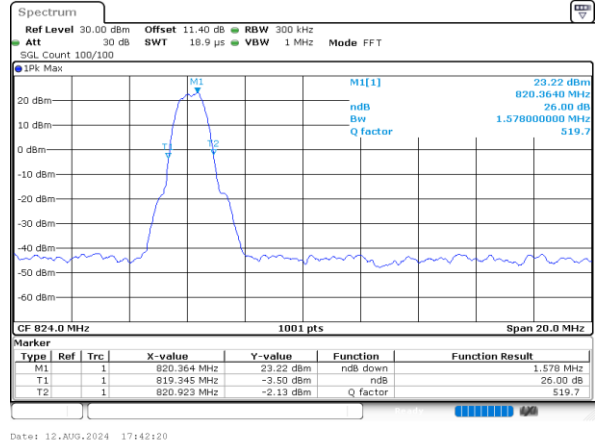


## LTE Band 26

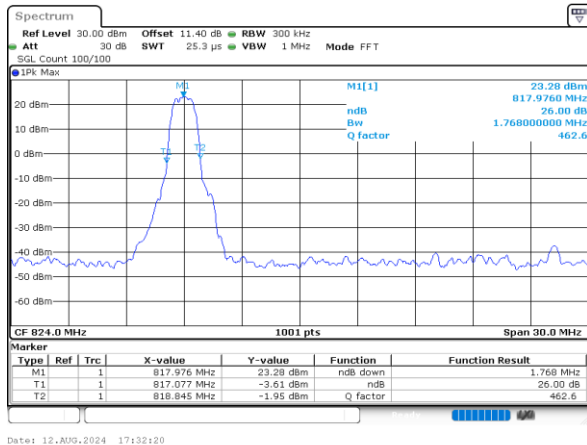
## Middle Channel / 10MHz / QPSK



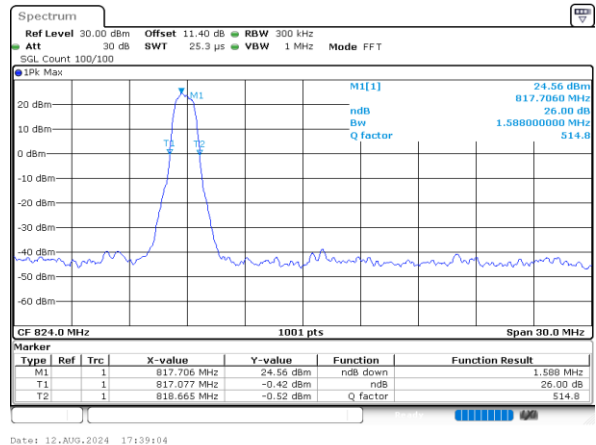
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM





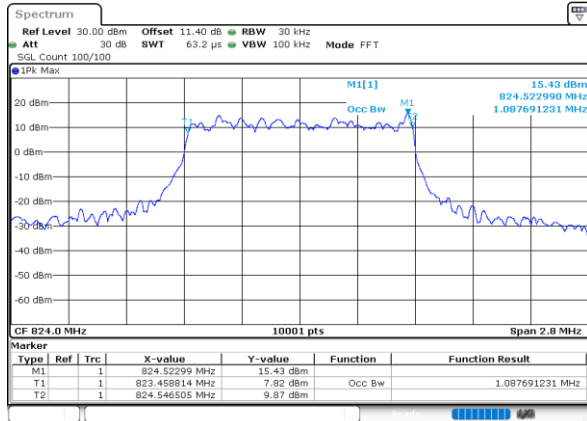
## Occupied Bandwidth

| 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 | 1.08                      | 0.91  | 1.16 | 1.01  | 1.17 | 1.00  | 1.46  | 1.27  | 1.42  | 1.26  | -     | -     |

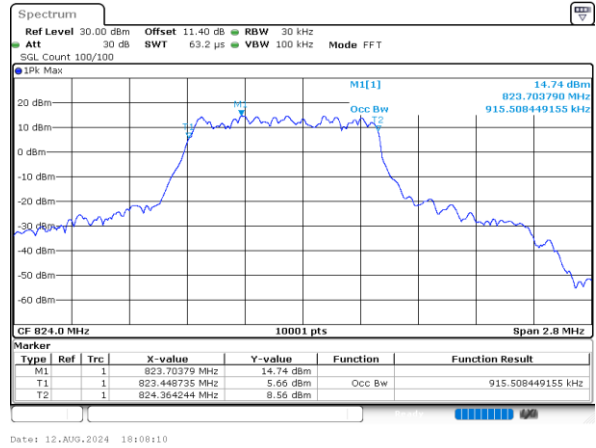


## LTE Band 26

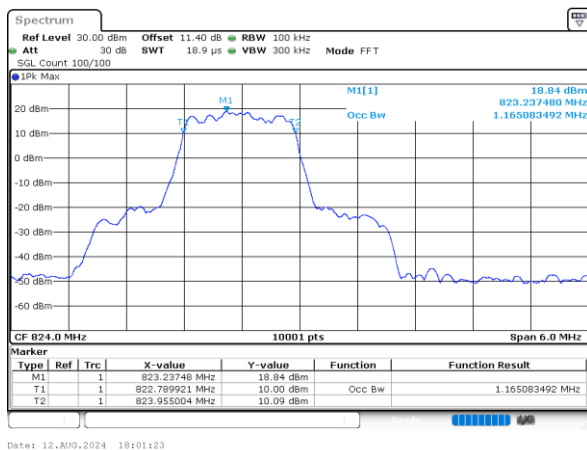
## Middle Channel / 1.4MHz / QPSK



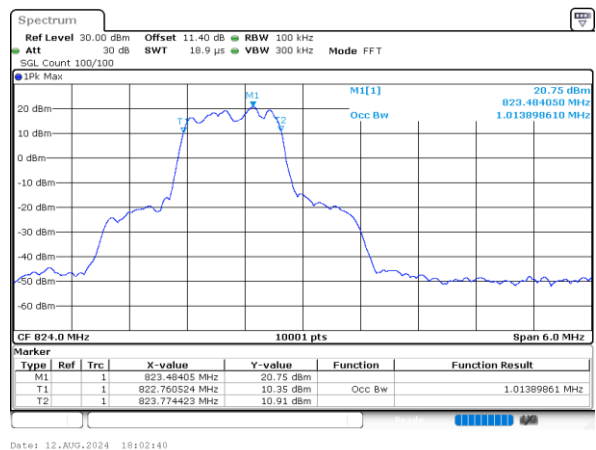
## Middle Channel / 1.4MHz / 16QAM



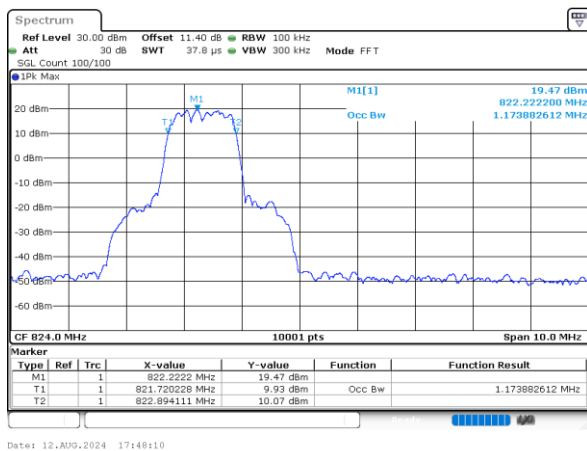
## Middle Channel / 3MHz / QPSK



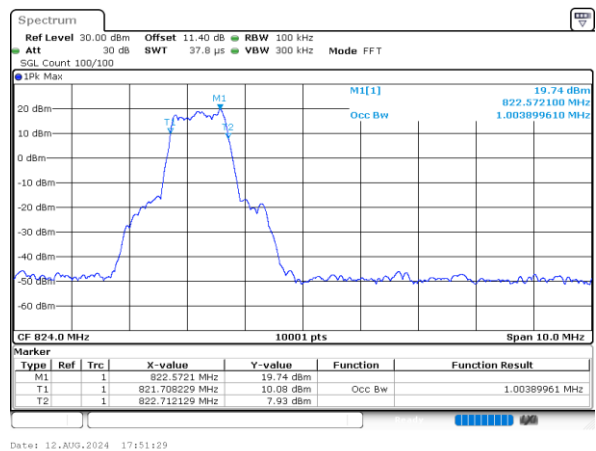
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



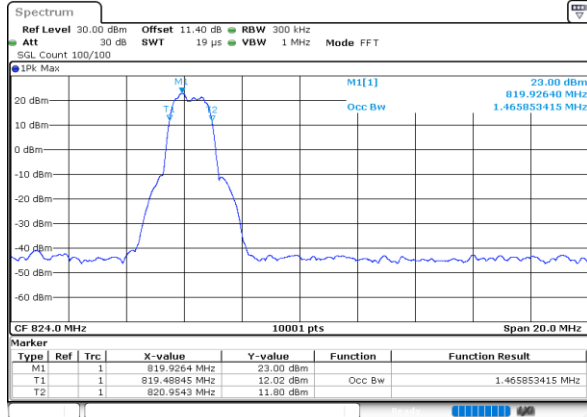
## Middle Channel / 5MHz / 16QAM



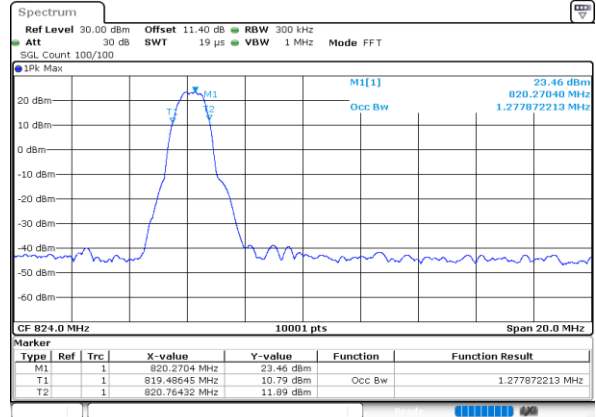


## LTE Band 26

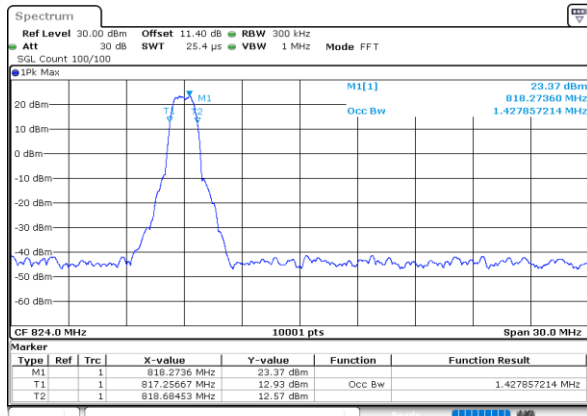
## Middle Channel / 10MHz / QPSK



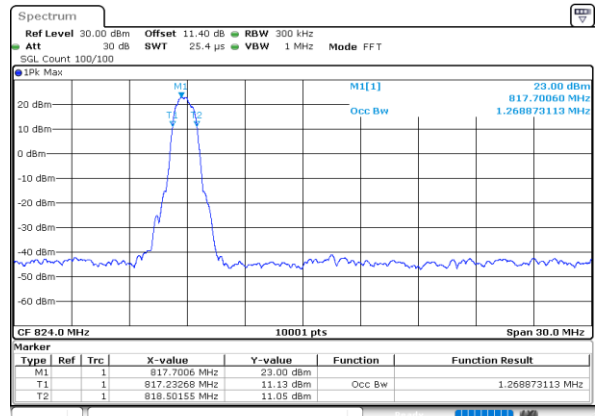
## Middle Channel / 10MHz / 16QAM

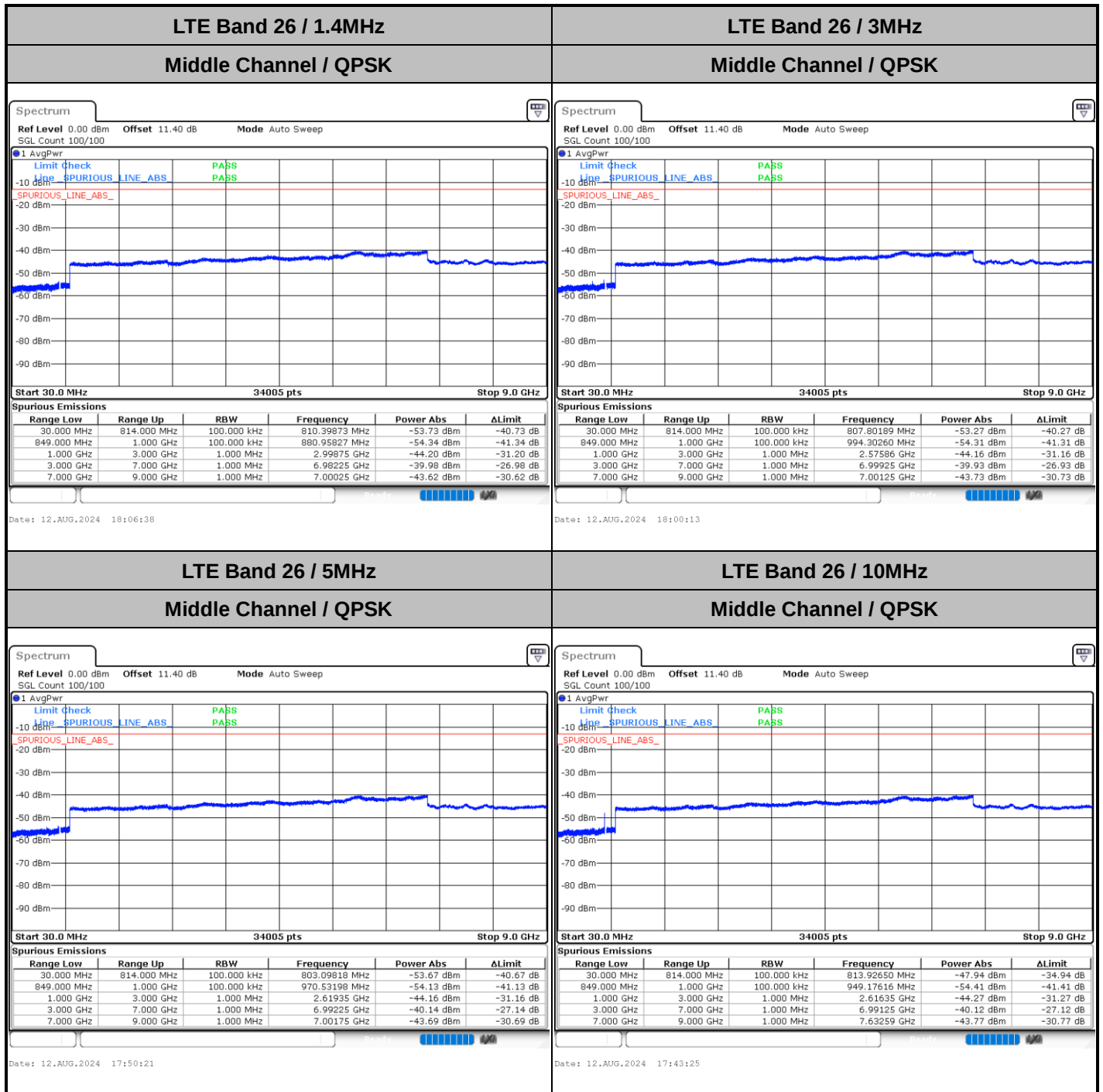


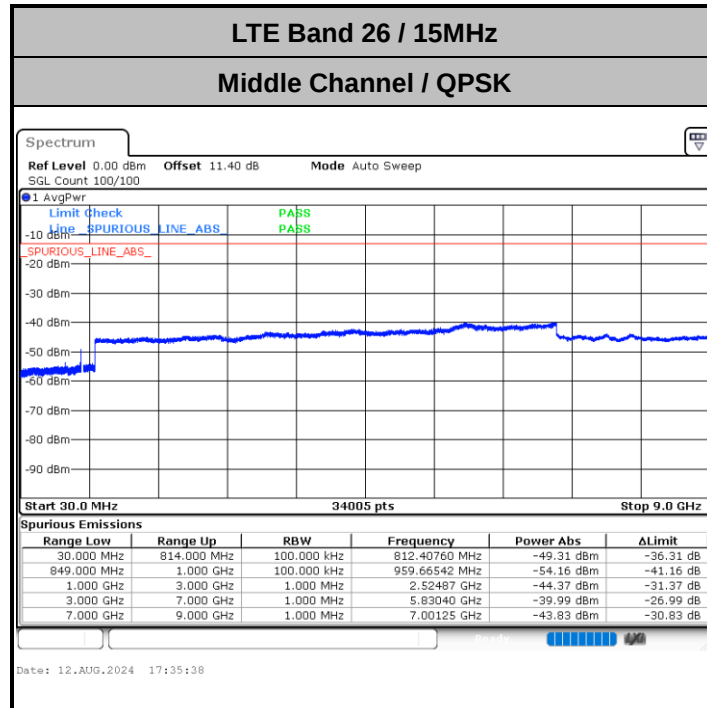
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



**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                            | 2.5ppm |
|                     |                   | Deviation (ppm)                     | Result |
| 50                  | Normal Voltage    | 0.0100                              | PASS   |
| 40                  | Normal Voltage    | 0.0074                              |        |
| 30                  | Normal Voltage    | 0.0082                              |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |        |
| 10                  | Normal Voltage    | 0.0203                              |        |
| 0                   | Normal Voltage    | 0.0184                              |        |
| -10                 | Normal Voltage    | 0.0178                              |        |
| -20                 | Normal Voltage    | 0.0017                              |        |
| -30                 | Normal Voltage    | 0.0027                              |        |
| 20                  | Maximum Voltage   | 0.0103                              |        |
| 20                  | Normal Voltage    | 0.0000                              |        |
| 20                  | Minimum Voltage   | 0.0205                              |        |

**Note:** Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



## Appendix B. Test Results of Radiated Test

### B1. Summary of each worse mode

#### <Sample 2>

| Mode | Part     | Band      | Ch | Freq (MHz) | Level (dBm) | Det | Ant Factor (dB) | Amp\Cbl (dB) | Filter (dB) | EIRPCF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant   |
|------|----------|-----------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|-------|
| 1    | Part 22H | CatM1 B5  | L  | 1656       | -56.19      | RMS | 28.70           | -52.10       | 0.31        | -95.23      | 62.13          | -13.00      | -43.19      | V   | CatM1 |
| 3    | Part 22H | CatM1 B26 | M  | 1672       | -56.99      | RMS | 28.70           | -52.06       | 0.31        | -95.23      | 61.29          | -13.00      | -43.99      | V   | CatM1 |
| 1    | Part 24E | CatM1 B2  | H  | 3810       | -45.35      | RMS | 33.42           | -48.91       | 0.67        | -95.23      | 64.70          | -13.00      | -32.35      | H   | CatM1 |
| 1    | Part 27H | CatM1 B12 | H  | 1424       | -39.67      | RMS | 28.50           | -52.72       | 0.41        | -95.23      | 79.37          | -13.00      | -26.67      | H   | CatM1 |
| 1    | Part 27L | CatM1 B4  | H  | 3510       | -40.15      | RMS | 32.76           | -49.13       | 0.73        | -95.23      | 70.72          | -13.00      | -27.15      | H   | CatM1 |
| 1    | Part 27F | CatM1 B13 | M  | 1560       | -51.58      | RMS | 27.70           | -52.34       | 0.33        | -95.23      | 67.96          | -42.15      | -9.43       | V   | CatM1 |
| 2    | Part 27F | CatM1 B13 | H  | 1560       | -50.13      | RMS | 27.70           | -52.34       | 0.33        | -95.23      | 69.41          | -42.15      | -7.98       | V   | CatM1 |
| 1    | Part 90S | CatM1 B26 | H  | 1640       | -59.74      | RMS | 28.60           | -52.14       | 0.31        | -95.23      | 58.72          | -13.00      | -46.74      | V   | CatM1 |
| 3    | Part 90S | CatM1 B26 | M  | 1632       | -57.21      | RMS | 28.52           | -52.16       | 0.31        | -95.23      | 61.35          | -13.00      | -44.21      | H   | CatM1 |
| 5    | Part 90S | CatM1 B26 | L  | 1632       | -58.09      | RMS | 28.52           | -52.16       | 0.31        | -95.23      | 60.47          | -13.00      | -45.09      | V   | CatM1 |
| 7    | Part 90S | CatM1 B26 | M  | 1648       | -56.72      | RMS | 28.68           | -52.12       | 0.31        | -95.23      | 61.64          | -13.00      | -43.72      | H   | CatM1 |

#### <Sample 4>

| Mode | Part     | Band     | Ch | Freq (MHz) | Level (dBm) | Det | Ant Factor (dB) | Amp\Cbl (dB) | Filter (dB) | EIRPCF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant   |
|------|----------|----------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|-------|
| 5    | Part 22H | CatM1 B5 | H  | 1696       | -58.85      | RMS | 28.76           | -52.00       | 0.31        | -95.23      | 59.31          | -13.00      | -45.85      | V   | CatM1 |
| 3    | Part 24E | CatM1 B2 | H  | 5715       | -39.44      | RMS | 35.20           | -43.64       | 0.37        | -95.23      | 63.86          | -13.00      | -26.44      | V   | CatM1 |