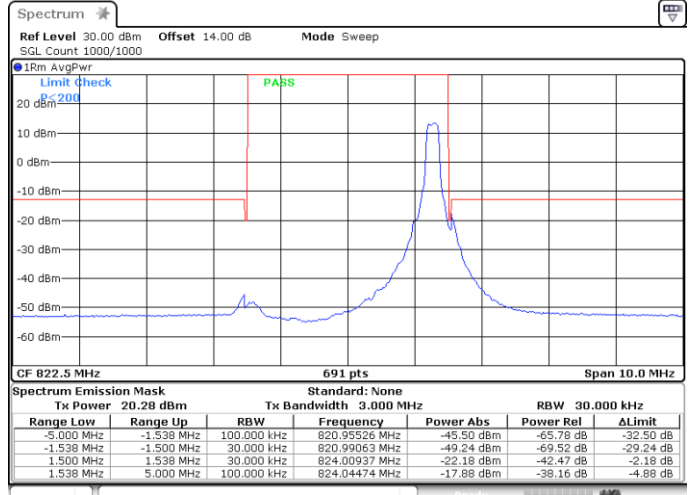
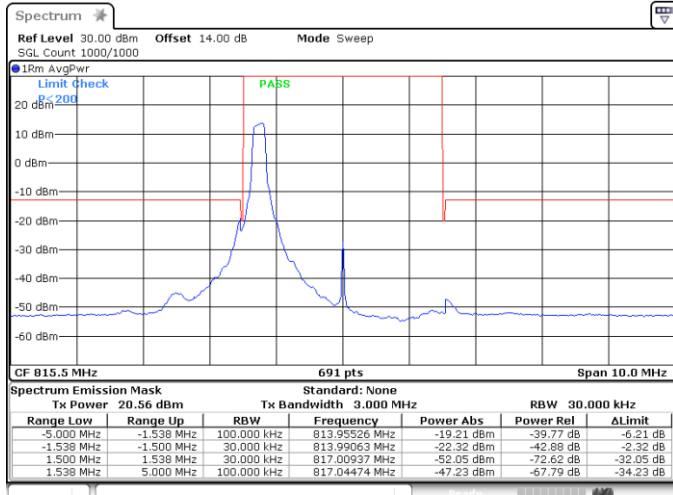




## LTE Band 26 / 3MHz / QPSK

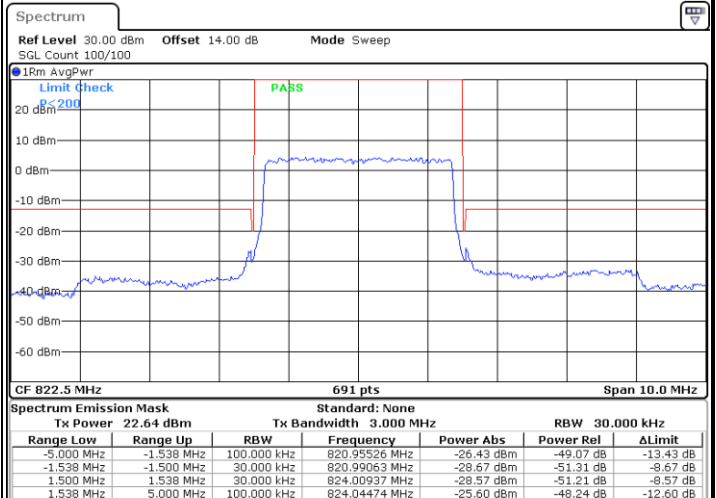
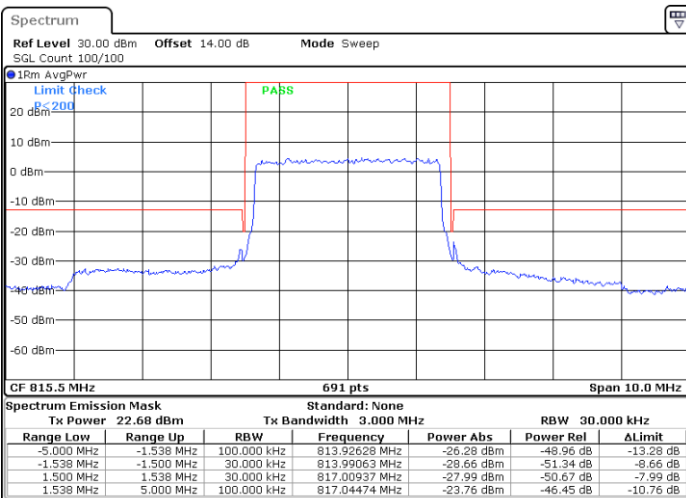
## Lowest Band Edge / 1RB

## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB

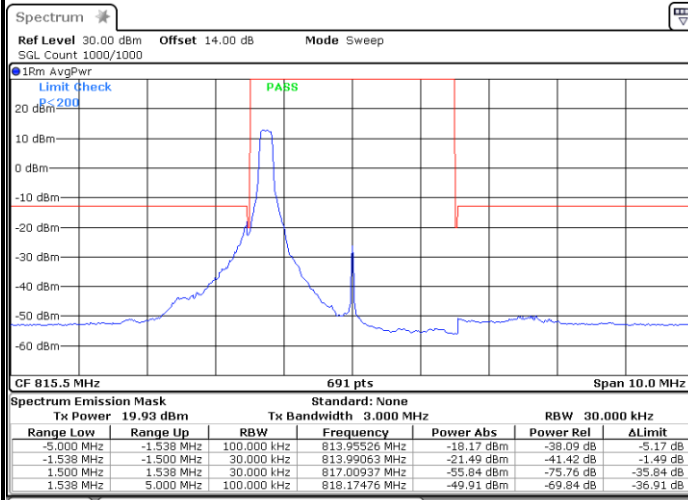
## Highest Band Edge / Full RB





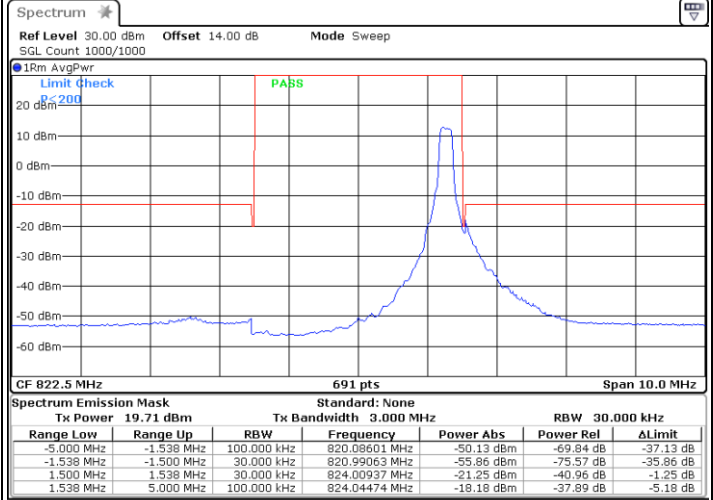
## LTE Band 26 / 3MHz / 16QAM

## Lowest Band Edge / 1 RB



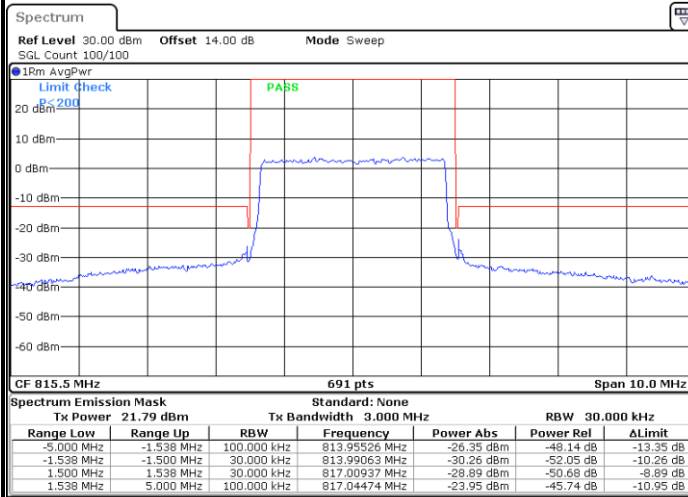
Date: 17.MAY.2019 10:43:30

## Highest Band Edge / 1 RB

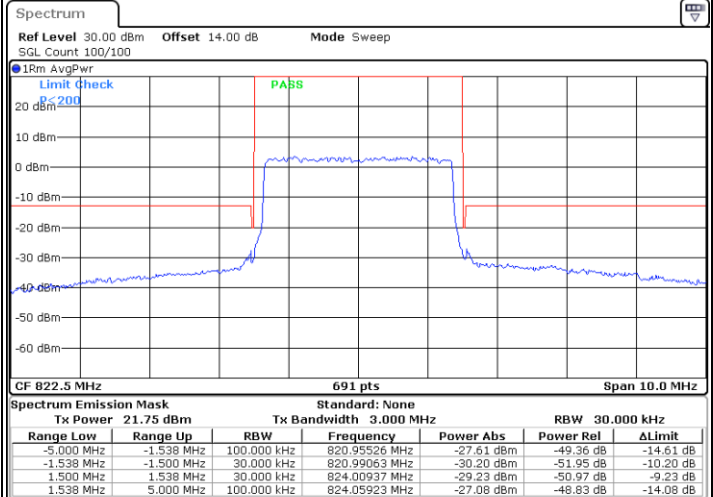


Date: 17.MAY.2019 10:47:53

## Lowest Band Edge / Full RB



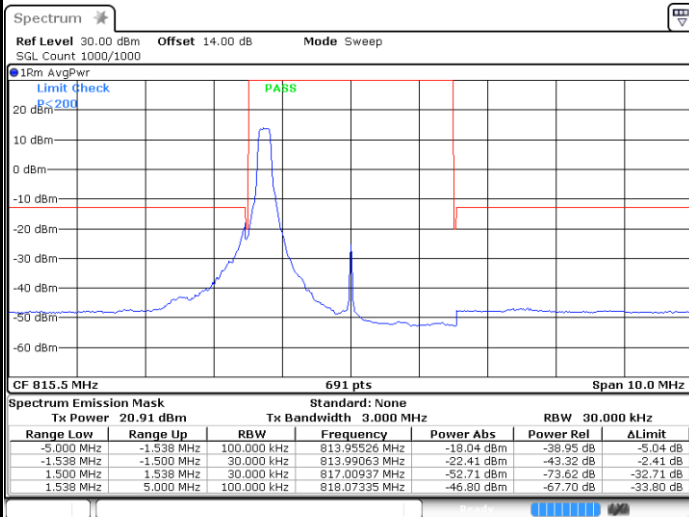
## Highest Band Edge / Full RB



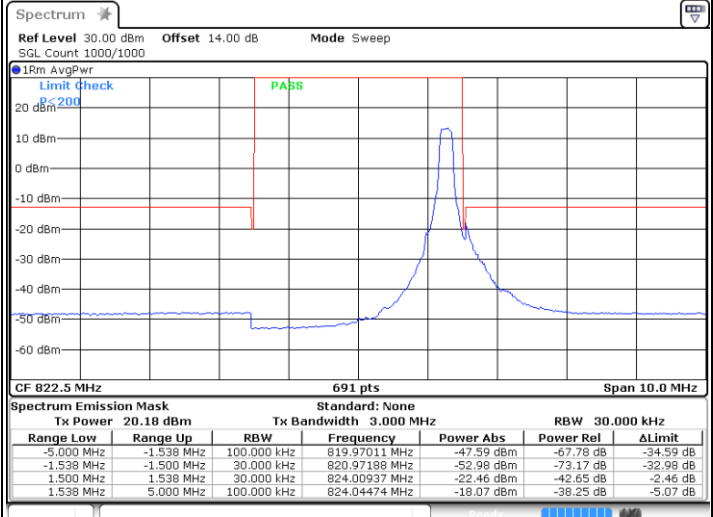


## LTE Band 26 / 3MHz / 64QAM

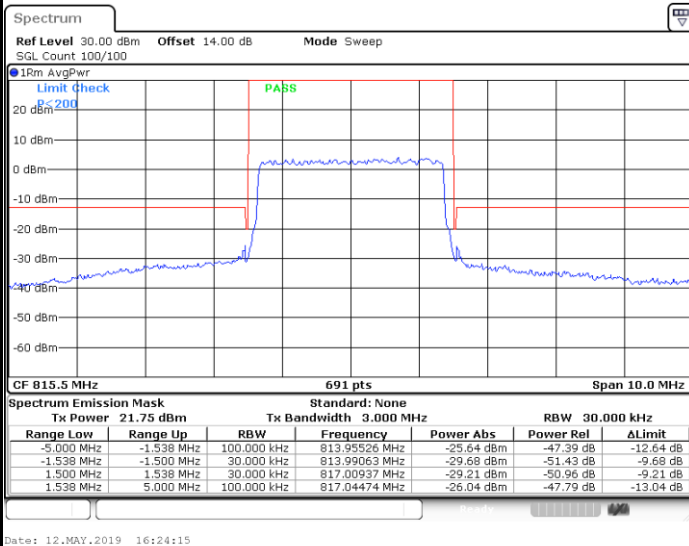
## Lowest Band Edge / 1 RB



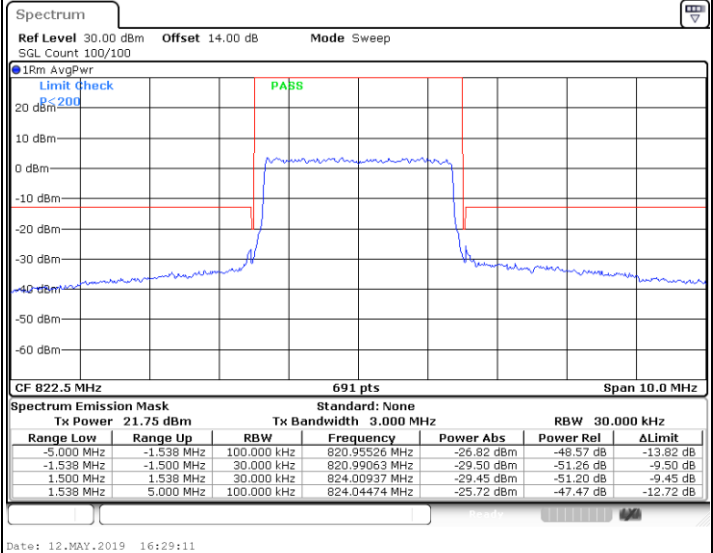
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



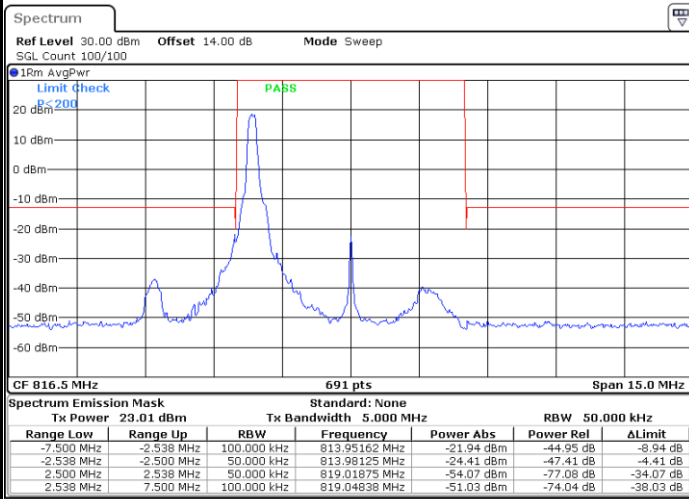
## Highest Band Edge / Full RB





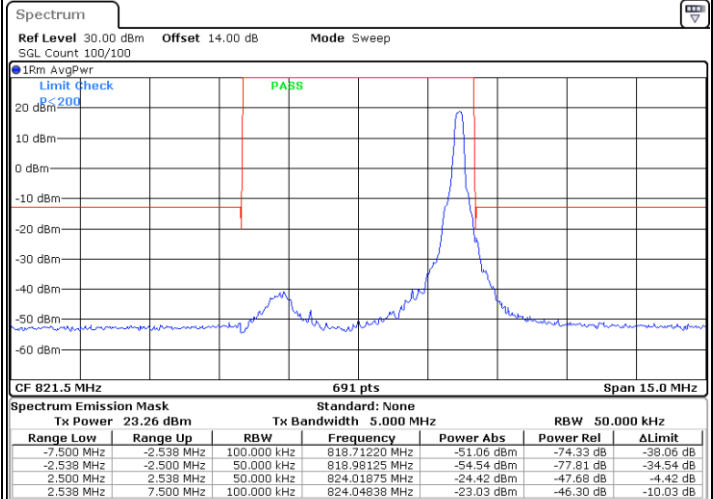
## LTE Band 26 / 5MHz / QPSK

## Lowest Band Edge / 1 RB



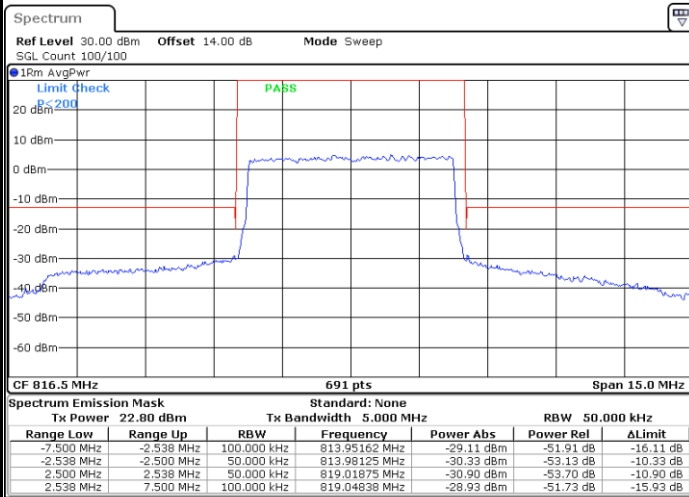
Date: 12.MAY.2019 10:42:09

## Highest Band Edge / 1 RB



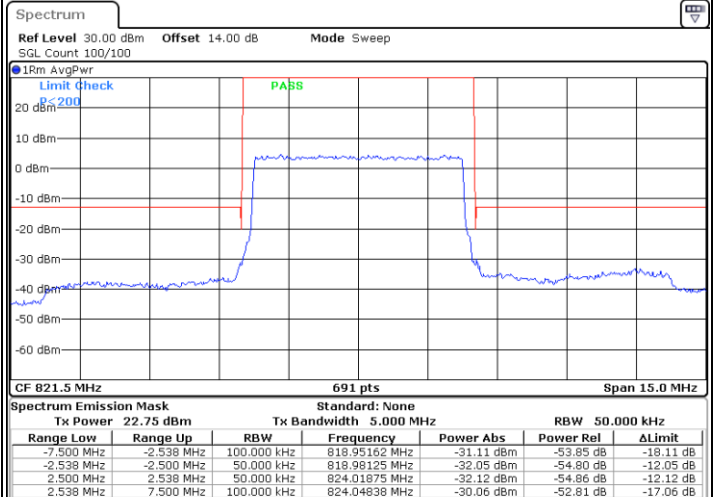
Date: 12.MAY.2019 10:44:16

## Lowest Band Edge / Full RB



Date: 12.MAY.2019 10:43:12

## Highest Band Edge / Full RB

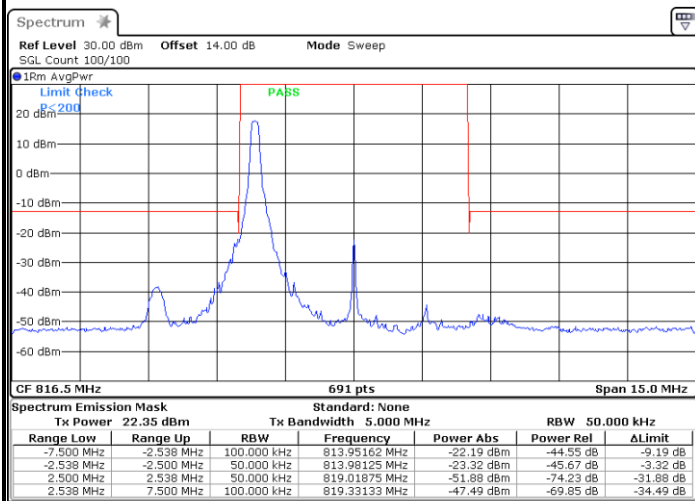


Date: 12.MAY.2019 10:43:29



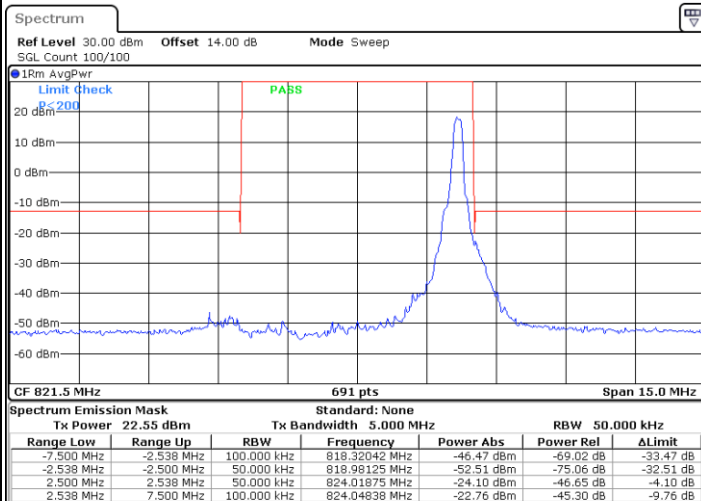
## LTE Band 26 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



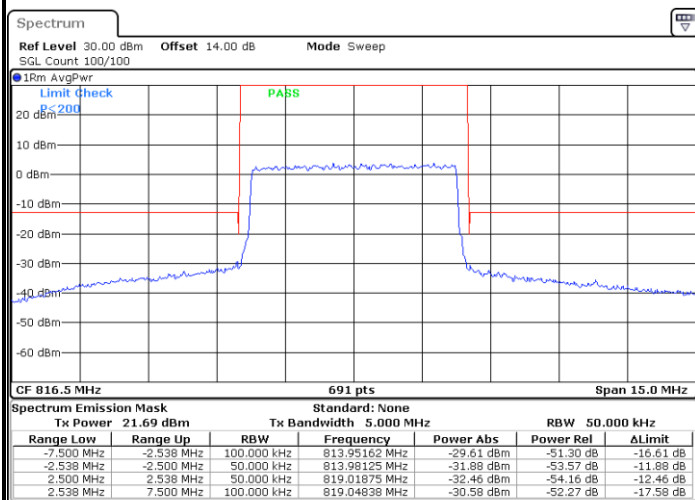
Date: 12.MAY.2019 10:42:41

## Highest Band Edge / 1 RB



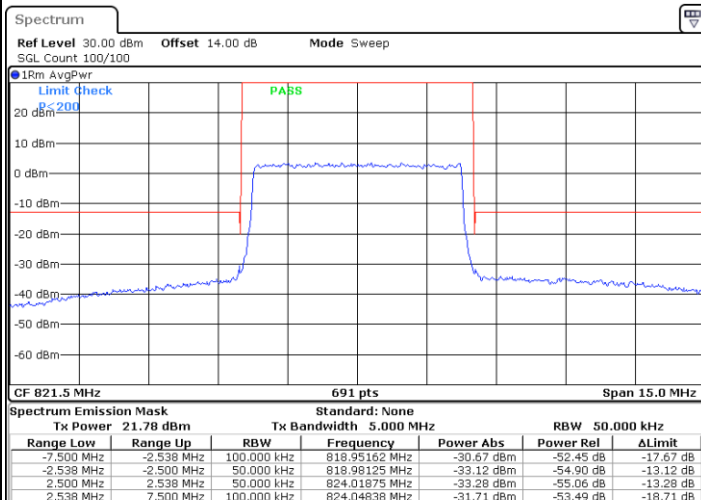
Date: 12.MAY.2019 10:44:01

## Lowest Band Edge / Full RB



Date: 12.MAY.2019 10:42:57

## Highest Band Edge / Full RB

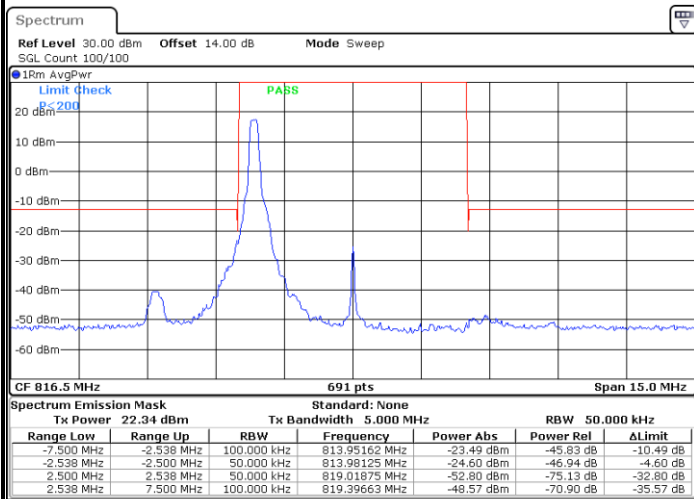


Date: 12.MAY.2019 10:43:45



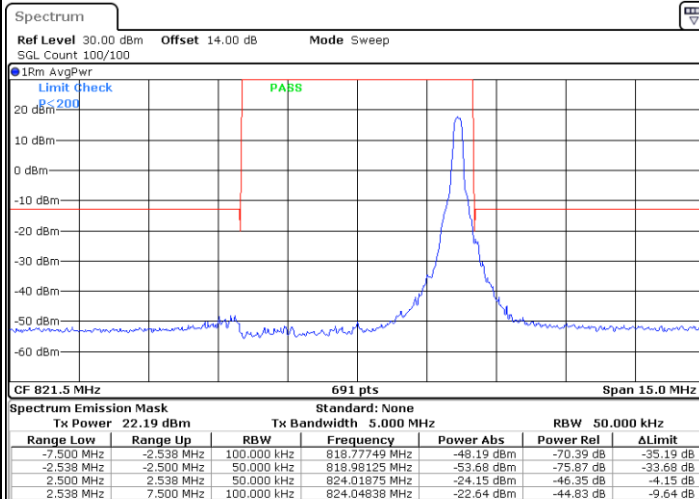
## LTE Band 26 / 5MHz / 64QAM

## Lowest Band Edge / 1RB



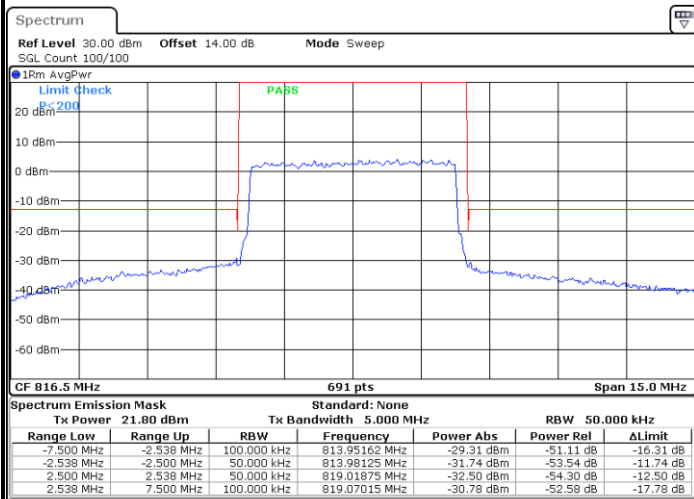
Date: 12.MAY.2019 14:44:11

## Highest Band Edge / 1 RB



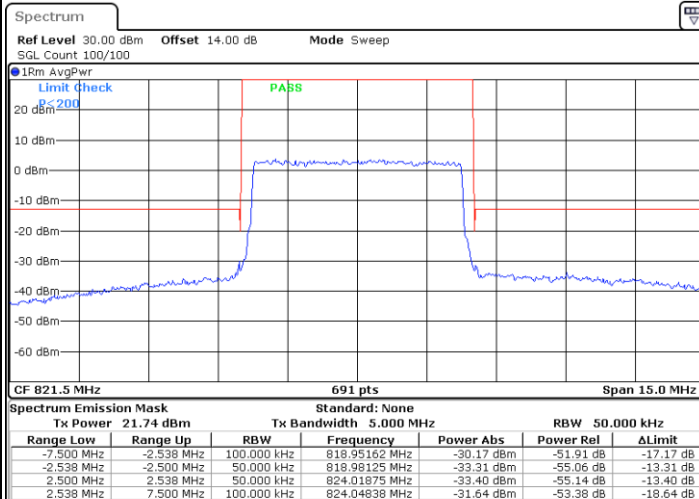
Date: 12.MAY.2019 11:03:45

## Lowest Band Edge / Full RB



Date: 12.MAY.2019 11:02:35

## Highest Band Edge / Full RB

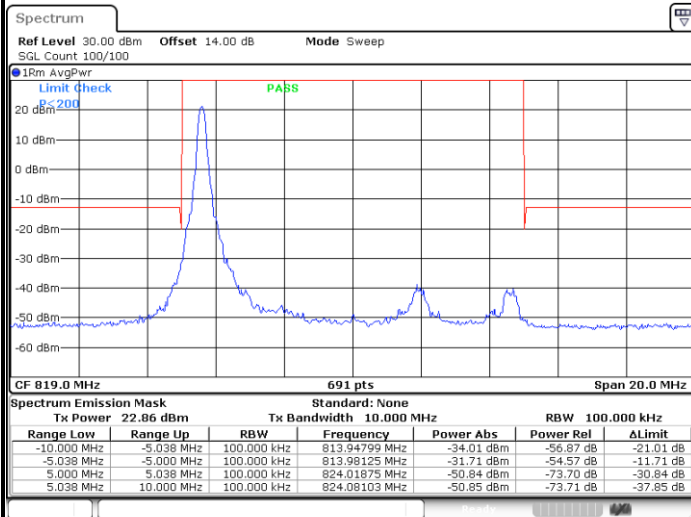


Date: 12.MAY.2019 11:04:56

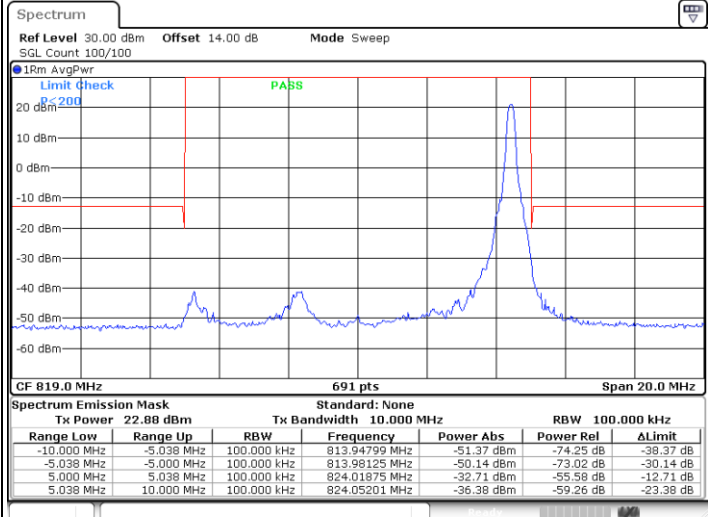


## LTE Band 26 / 10MHz / QPSK

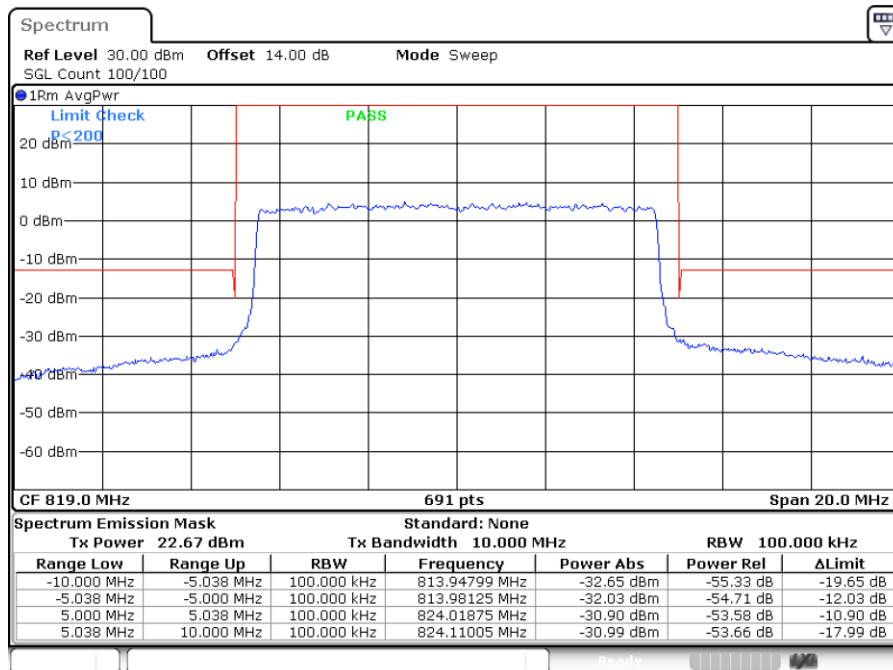
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



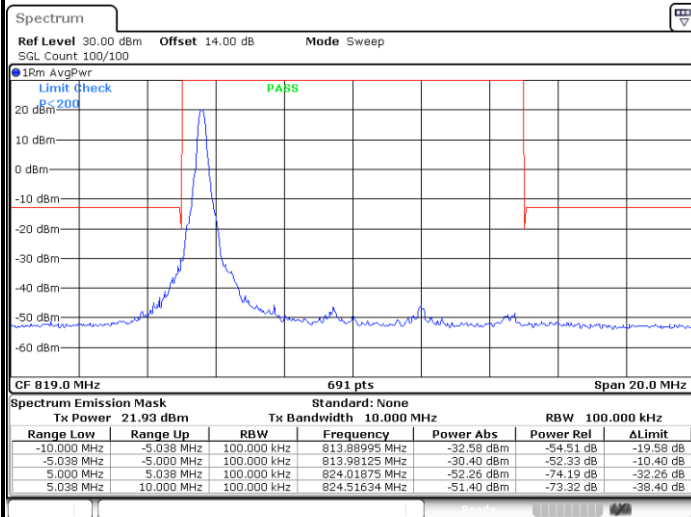
## Band Edge / Full RB



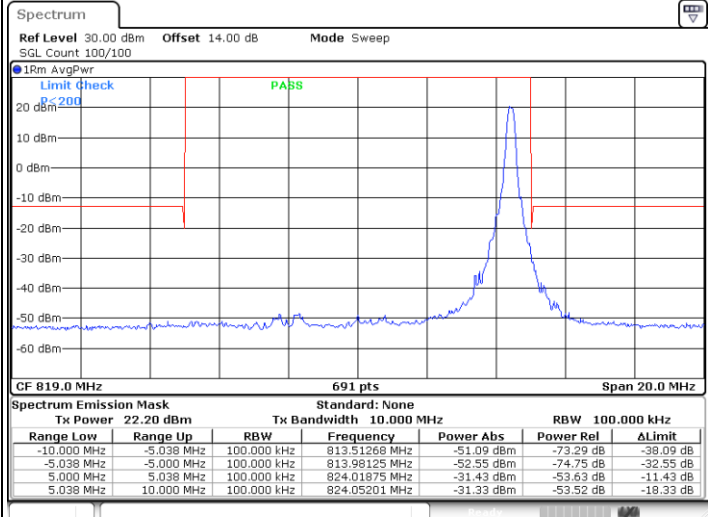


## LTE Band 26 / 10MHz / 16QAM

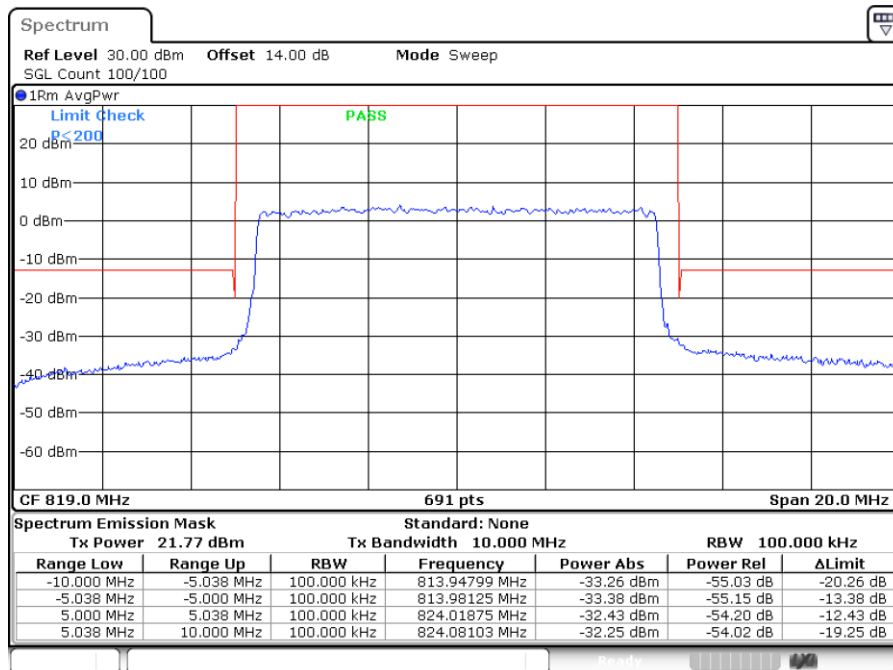
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



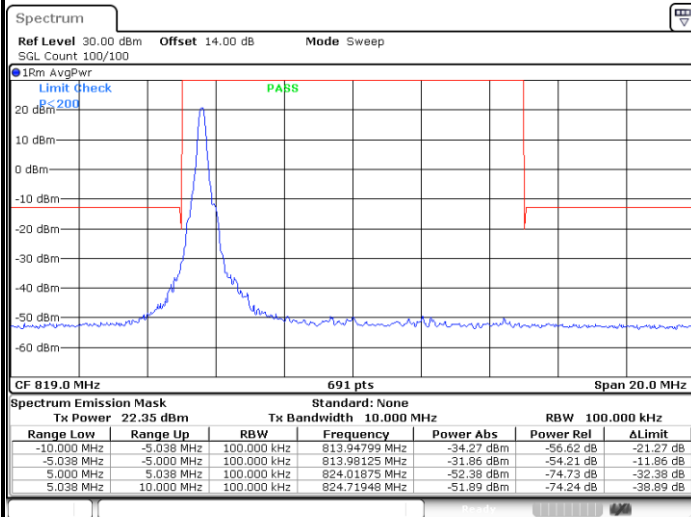
## Band Edge / Full RB



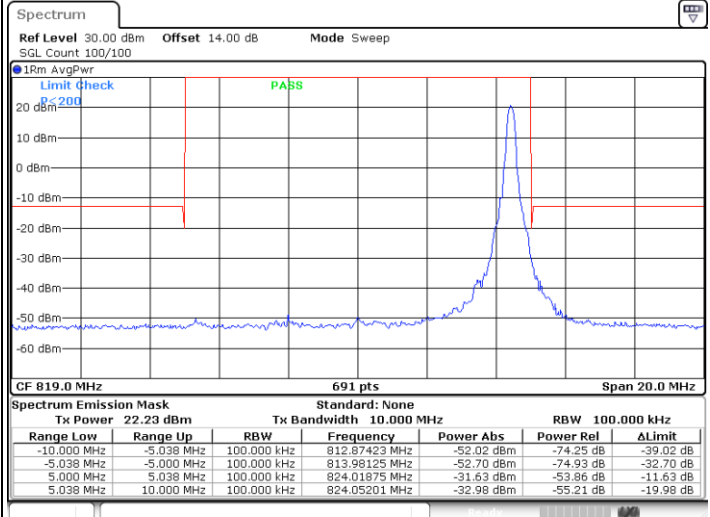


## LTE Band 26 / 10MHz / 64QAM

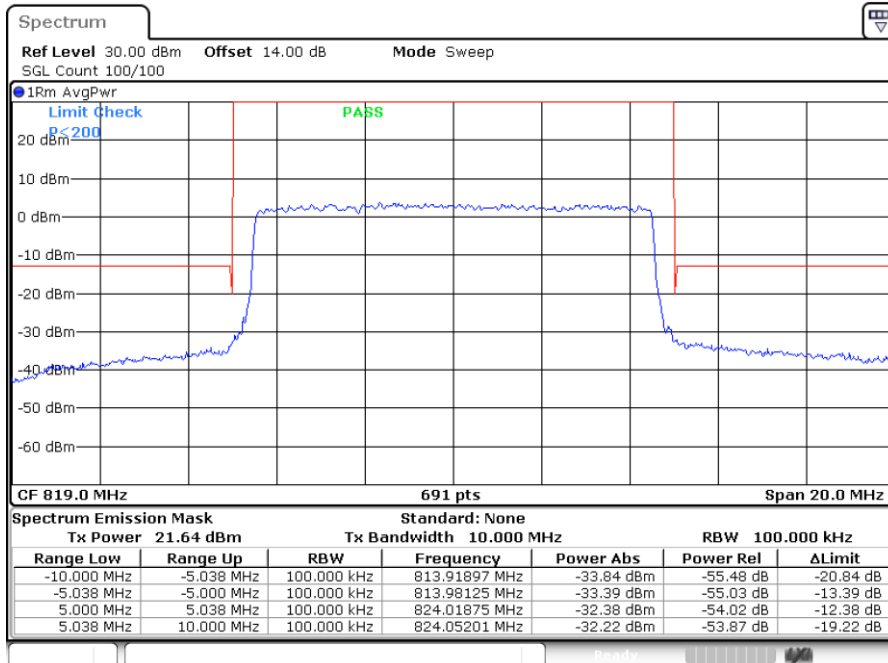
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



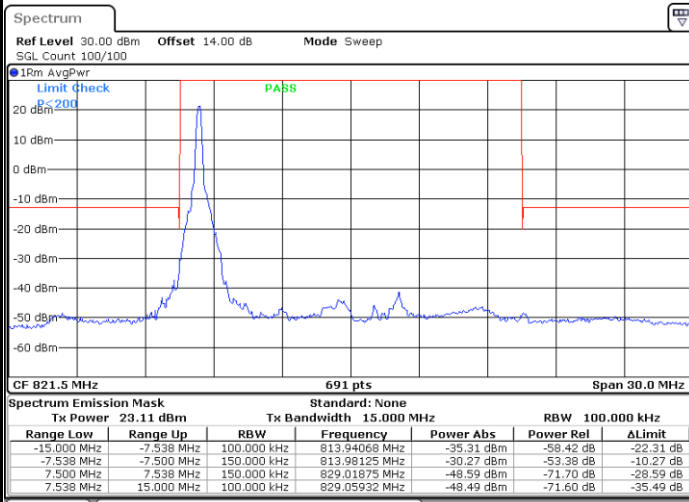
## Band Edge / Full RB





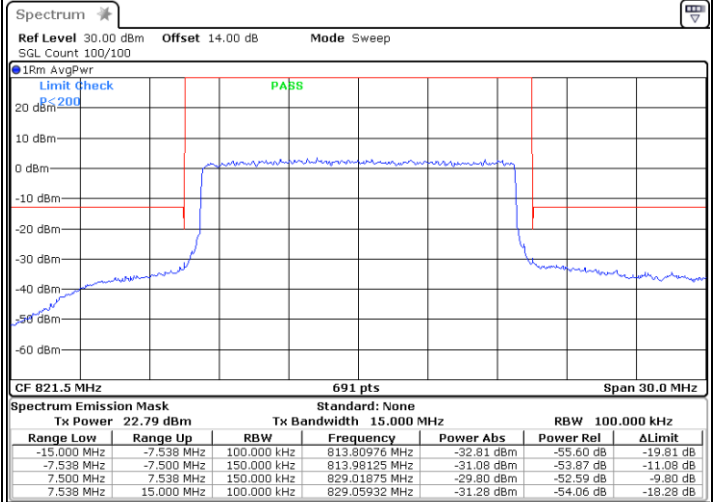
## LTE Band 26 / 15MHz QPSK

## Lowest Band Edge / 1 RB



Date: 12.MAY.2019 10:51:57

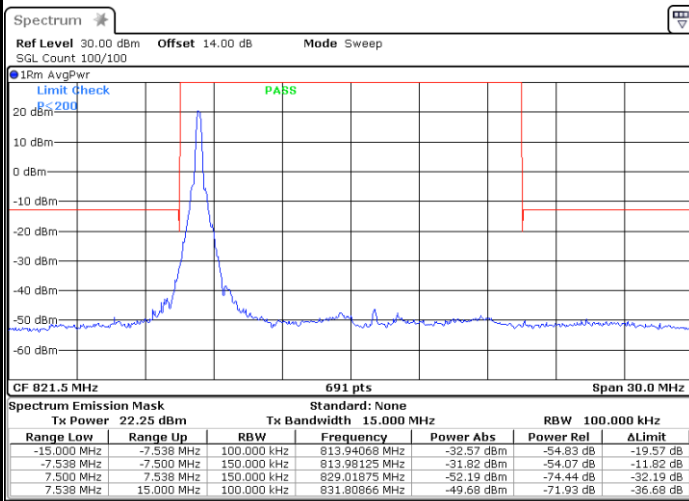
## Lowest Band Edge / Full RB



Date: 12.MAY.2019 10:52:19

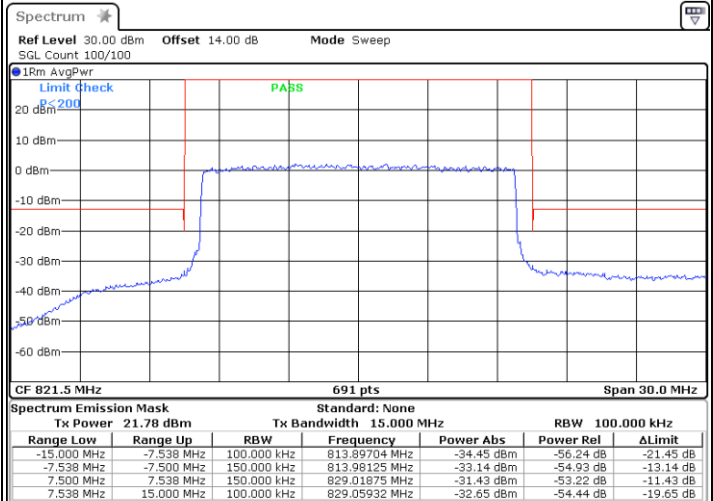
## LTE Band 26 / 15MHz 16QAM

## Lowest Band Edge / 1 RB



Date: 12.MAY.2019 10:50:46

## Lowest Band Edge / Full RB

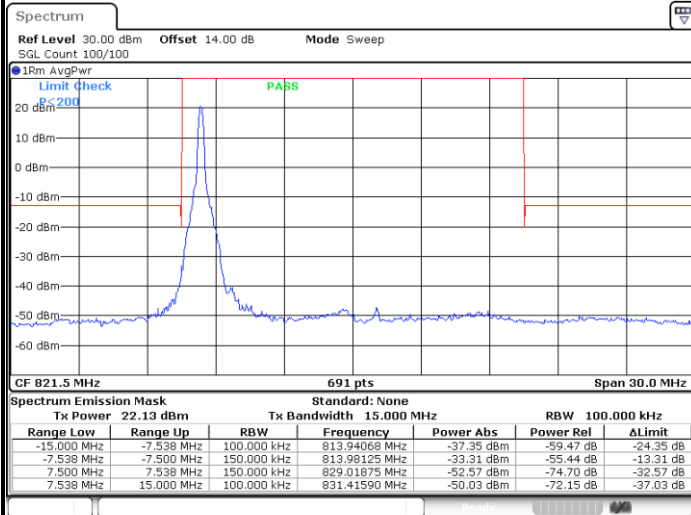


Date: 12.MAY.2019 10:52:47



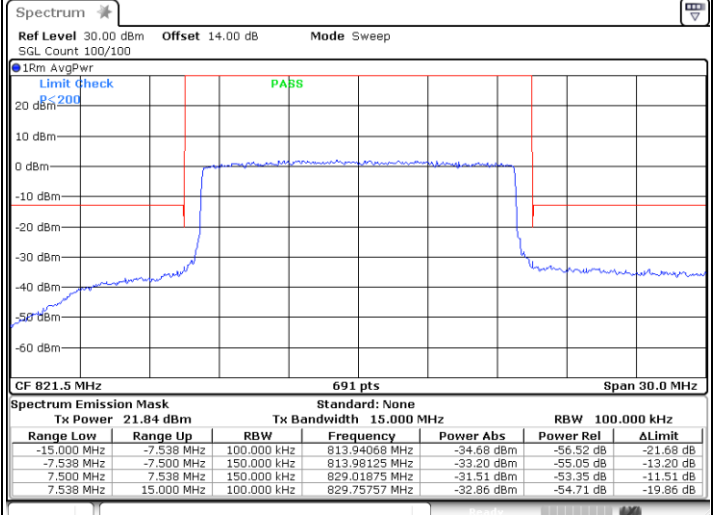
## LTE Band 26 / 15MHz / 64QAM

## Lowest Band Edge / 1 RB



Date: 12.MAY.2019 10:53:23

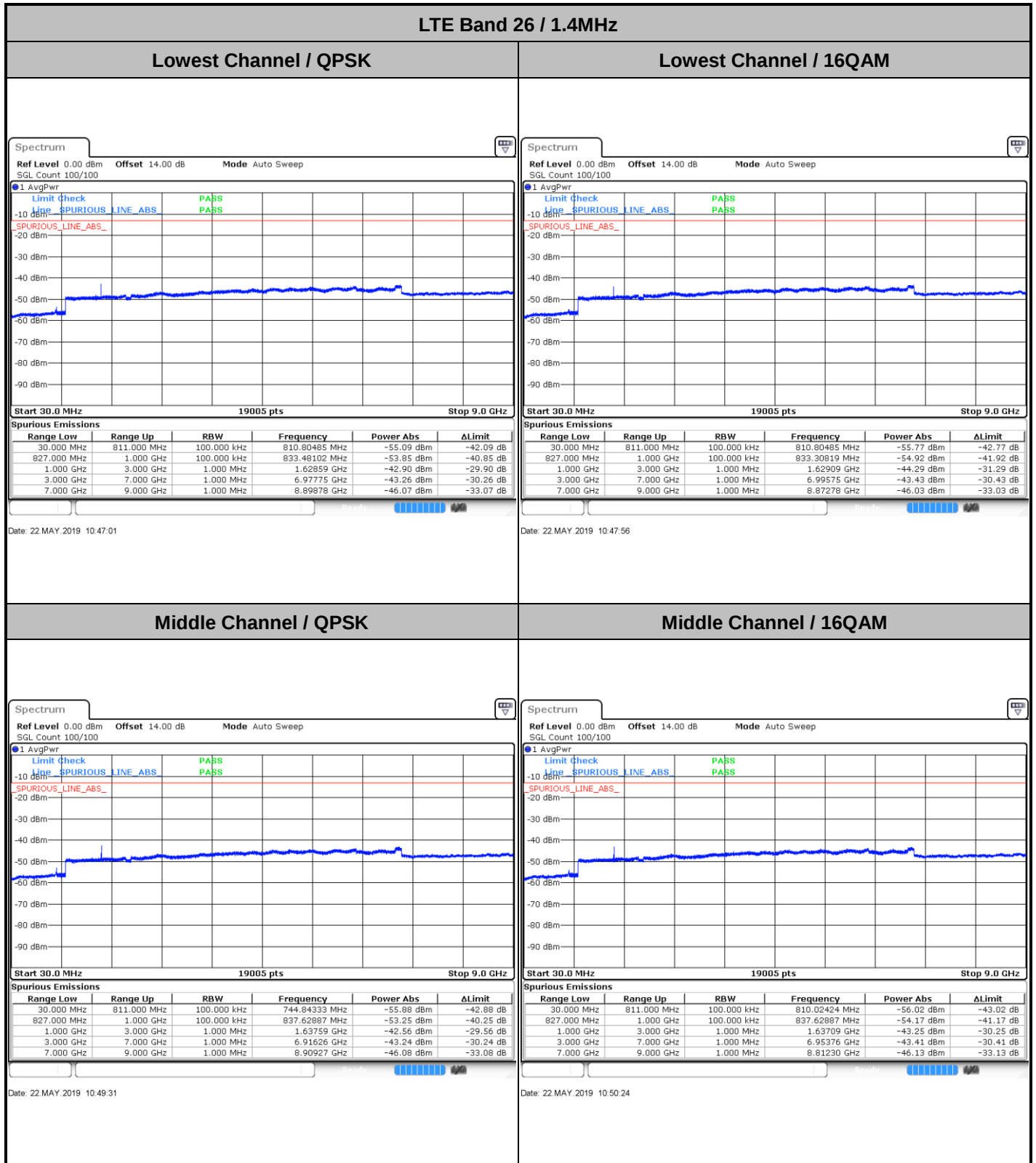
## Lowest Band Edge / Full RB



Date: 12.MAY.2019 10:53:07



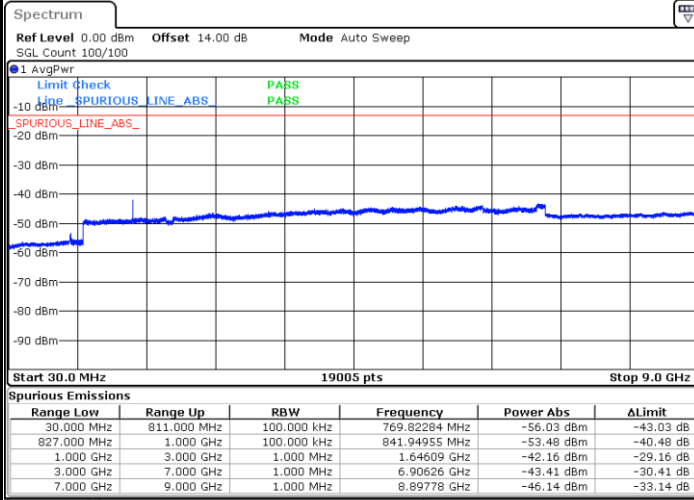
## Conducted Spurious Emission





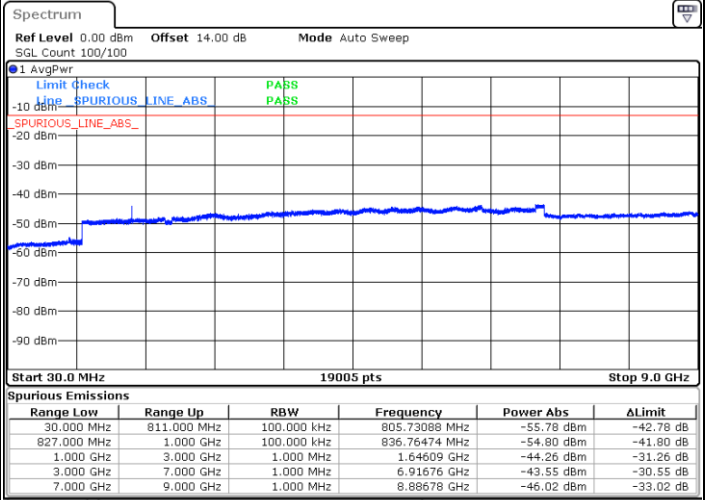
## LTE Band 26 / 1.4MHz

## Highest Channel / QPSK



Date: 22 MAY 2019 10:51:59

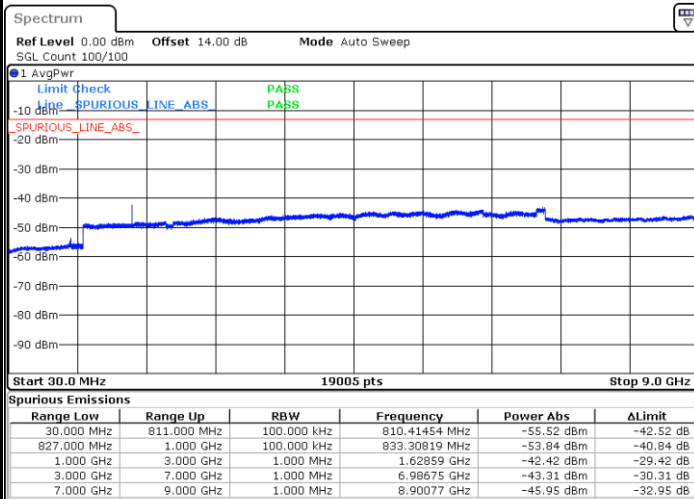
## Highest Channel / 16QAM



Date: 22 MAY 2019 10:52:53

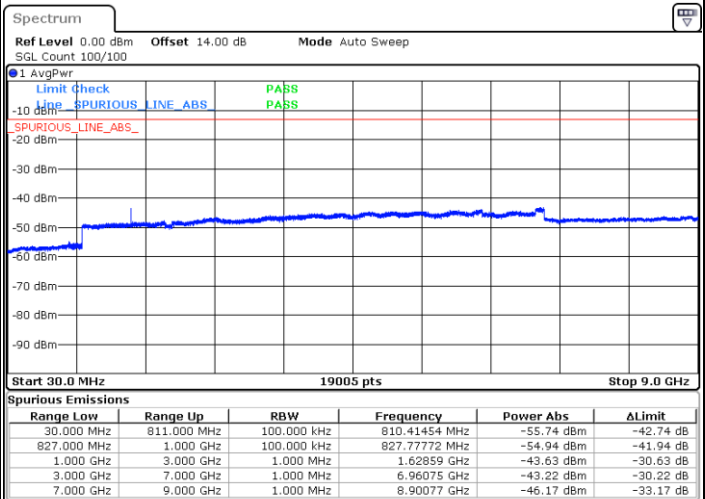
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



Date: 22 MAY 2019 10:54:28

## Lowest Channel / 16QAM

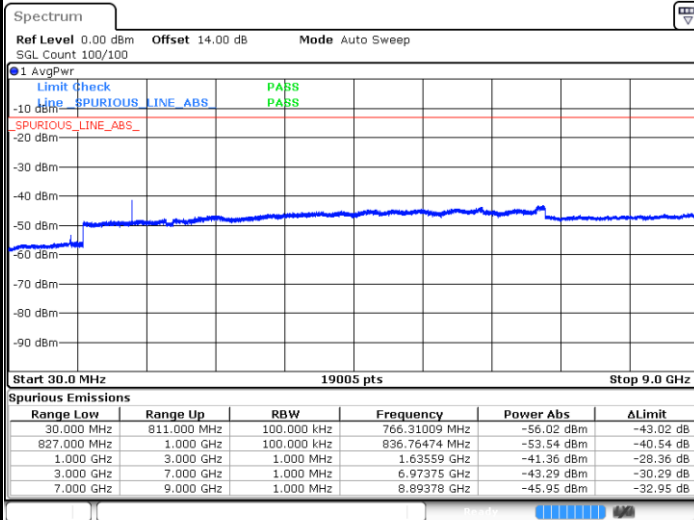


Date: 22 MAY 2019 10:55:22



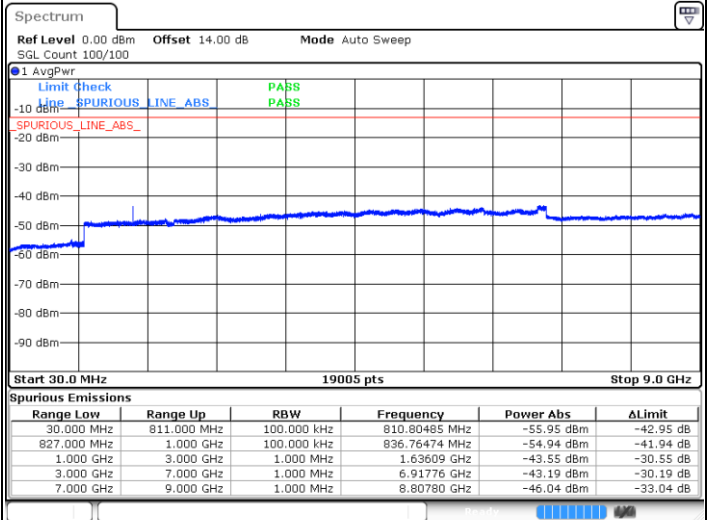
## LTE Band 26 / 3MHz

## Middle Channel / QPSK



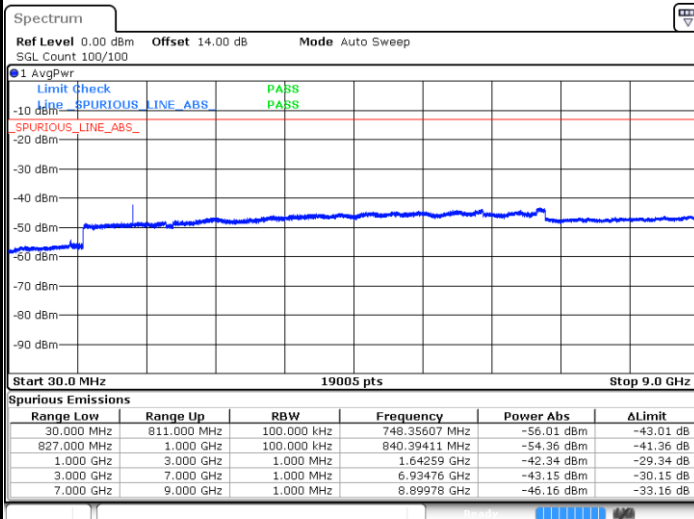
Date: 22 MAY 2019 10:56:57

## Middle Channel / 16QAM



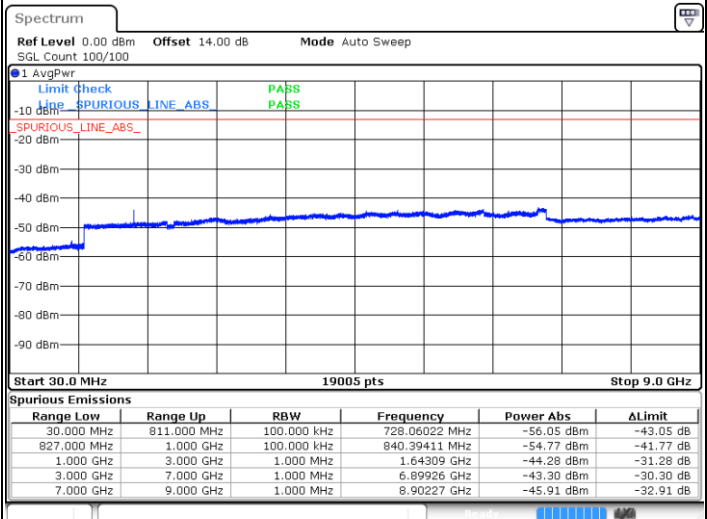
Date: 22 MAY 2019 10:57:51

## Highest Channel / QPSK



Date: 22 MAY 2019 10:59:26

## Highest Channel / 16QAM

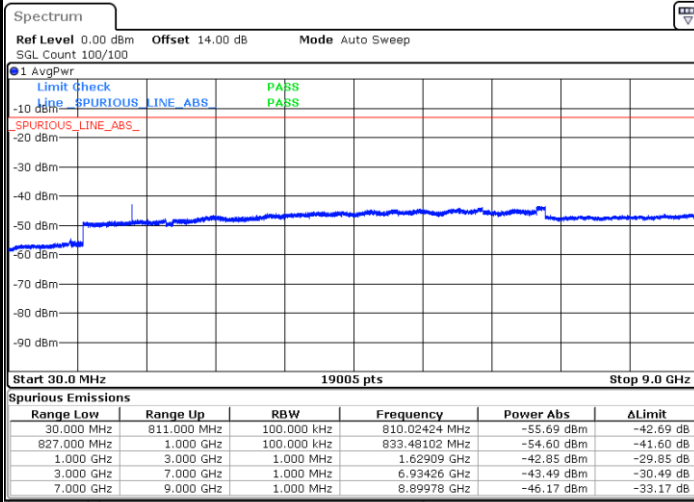


Date: 22 MAY 2019 11:00:20



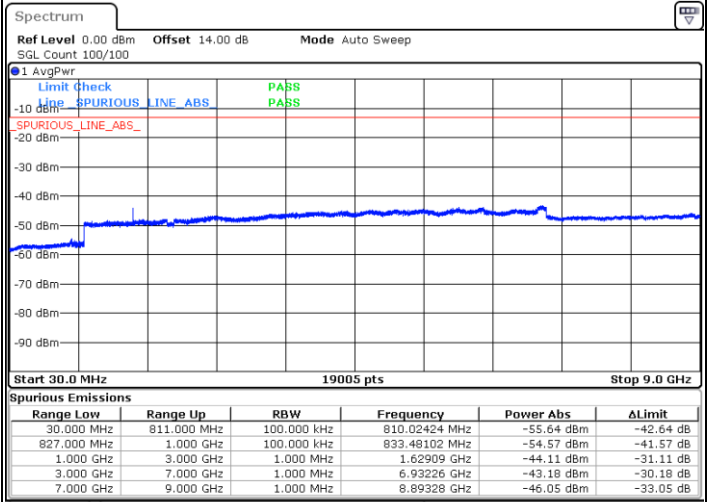
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



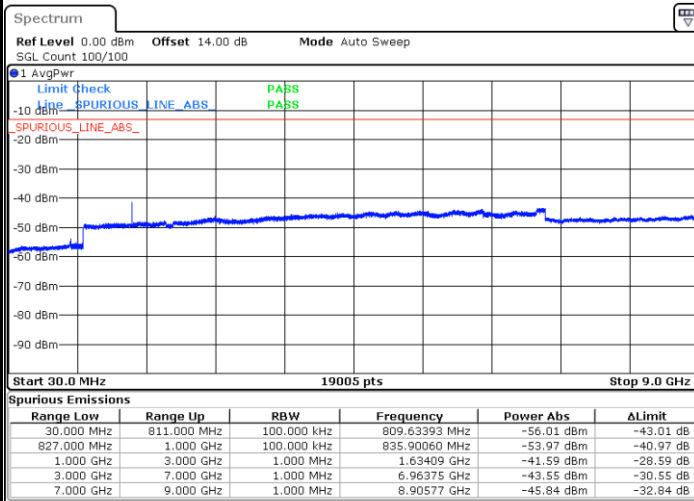
Date: 22 MAY 2019 11:01:55

## Lowest Channel / 16QAM



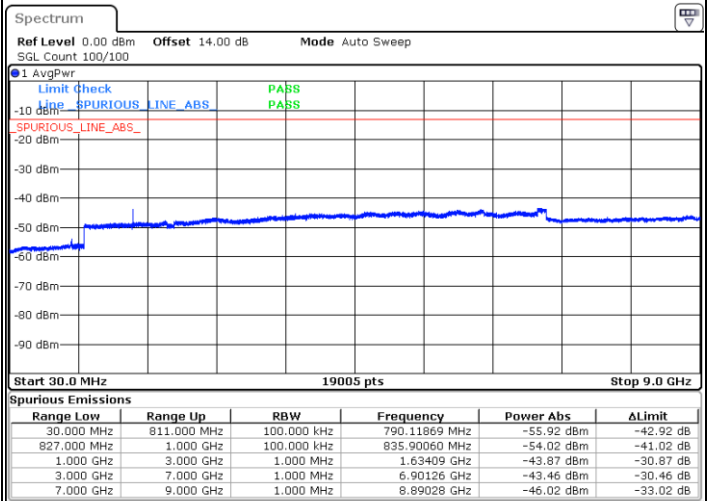
Date: 22 MAY 2019 11:02:49

## Middle Channel / QPSK



Date: 22 MAY 2019 11:09:21

## Middle Channel / 16QAM

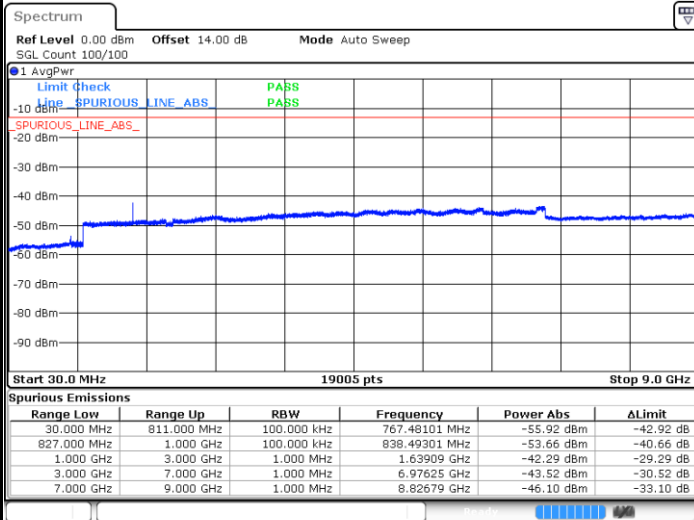


Date: 22 MAY 2019 11:10:15



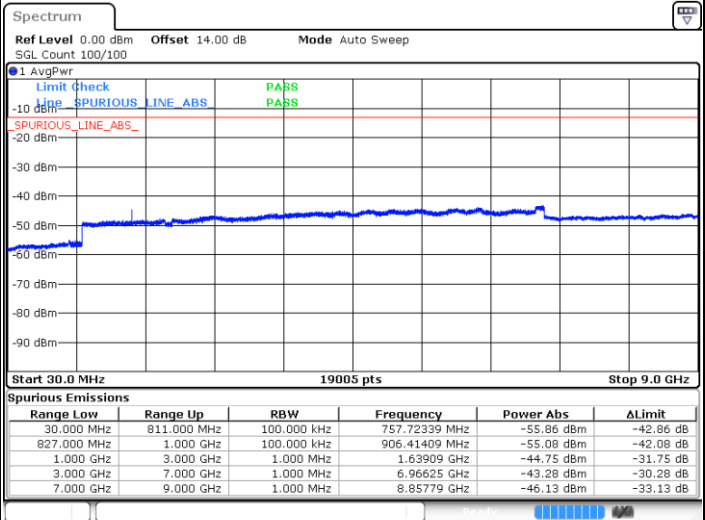
## LTE Band 26 / 5MHz

## Highest Channel / QPSK



Date: 22 MAY 2019 11:06:53

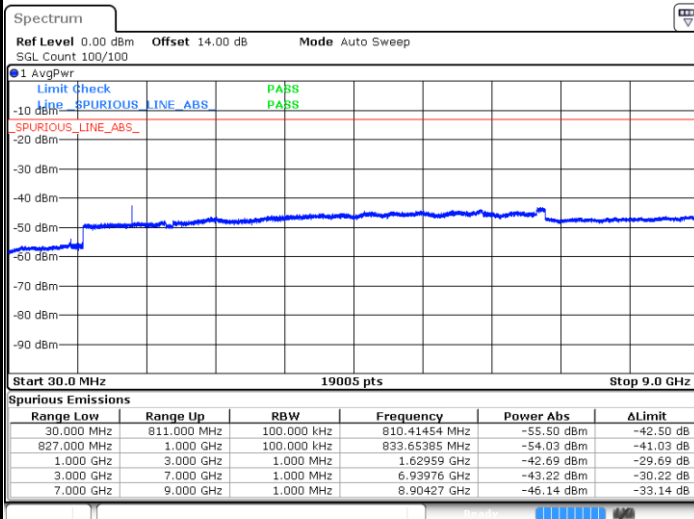
## Highest Channel / 16QAM



Date: 22 MAY 2019 11:07:47

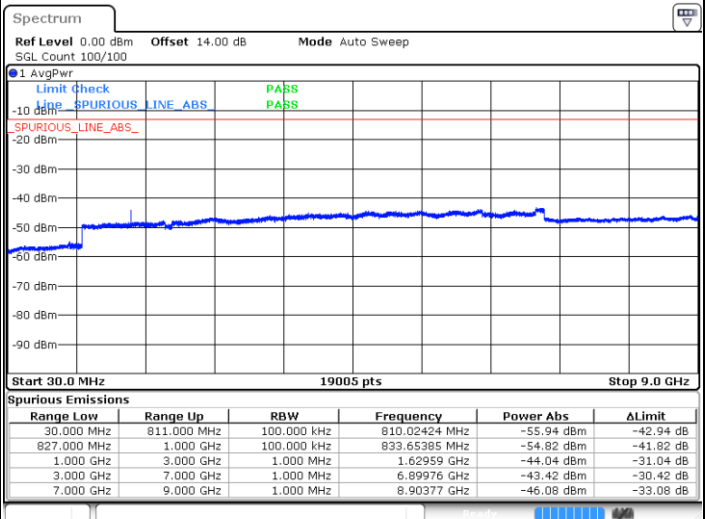
## LTE Band 26 / 10MHz

## Middle Channel / QPSK



Date: 22 MAY 2019 11:22:04

## Middle Channel / 16QAM

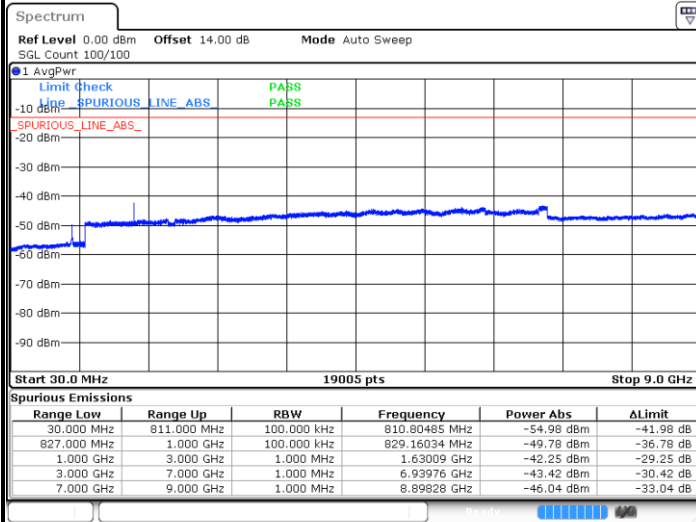


Date: 22 MAY 2019 11:22:42



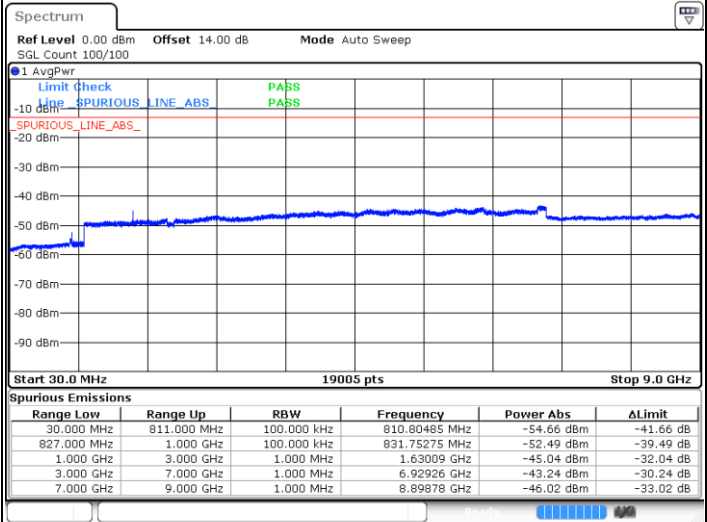
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



Date: 22 MAY 2019 11:19:07

## Lowest Channel / 16QAM

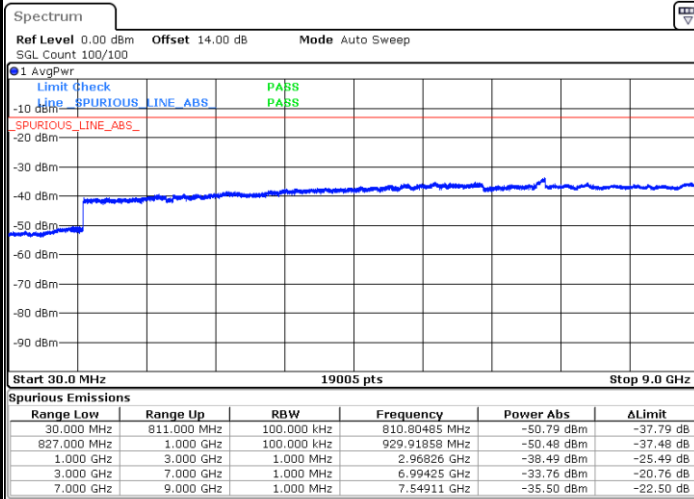


Date: 22 MAY 2019 11:19:40



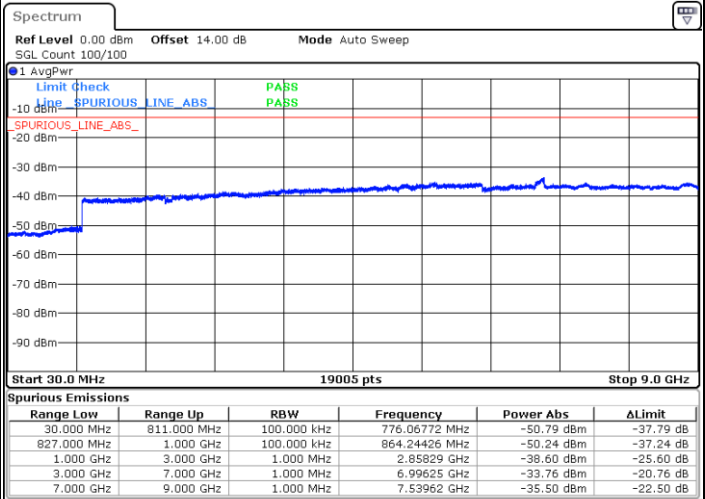
## LTE Band 26 / 1.4MHz

## Lowest Channel / 64QAM



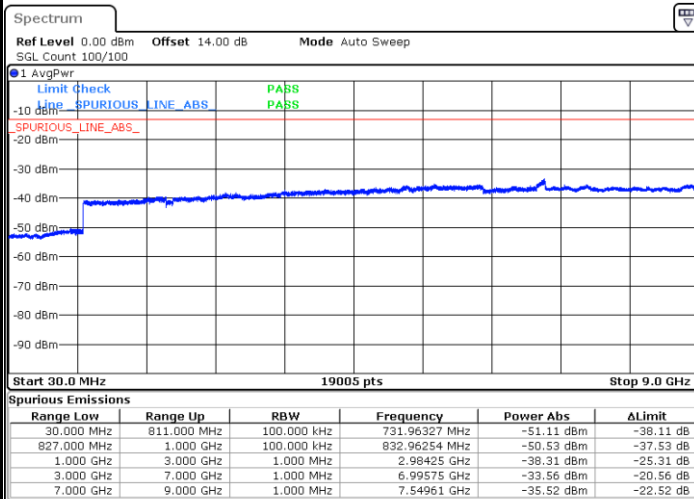
Date: 12.MAY.2019 16:16:41

## Middle Channel / 64QAM



Date: 12.MAY.2019 16:17:58

## Highest Channel / 64QAM

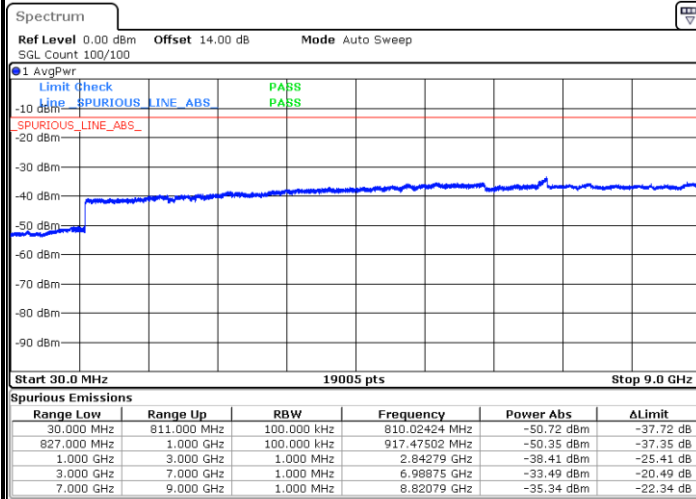


Date: 12.MAY.2019 16:21:33



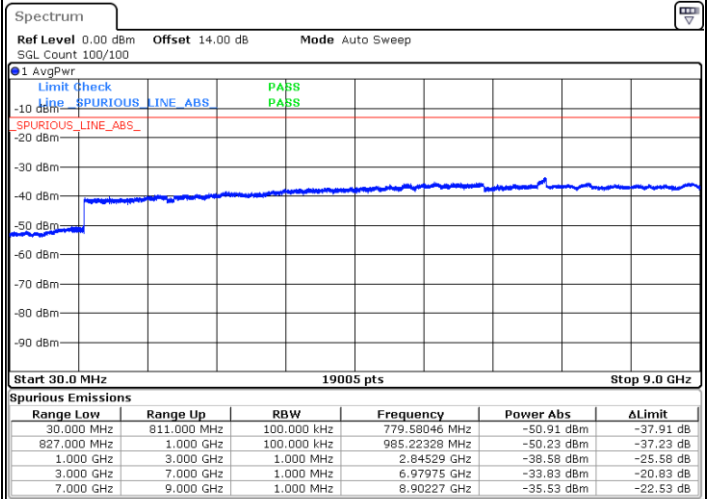
## LTE Band 26 / 3MHz

## Lowest Channel / 64QAM



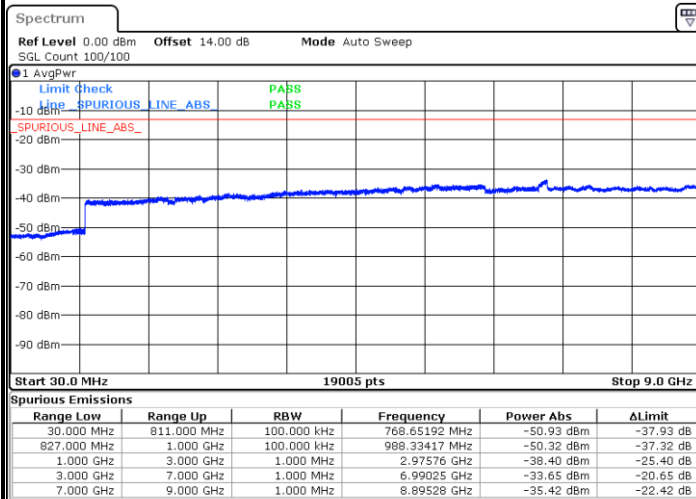
Date: 12.MAY.2019 16:25:12

## Middle Channel / 64QAM



Date: 12.MAY.2019 16:26:29

## Highest Channel / 64QAM

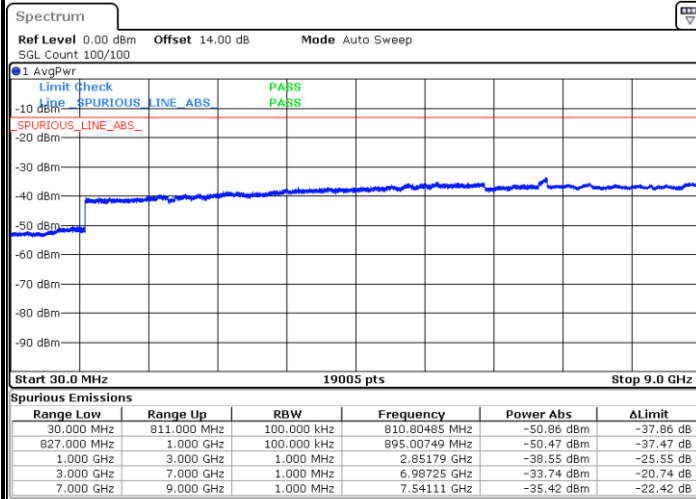


Date: 12.MAY.2019 16:34:04



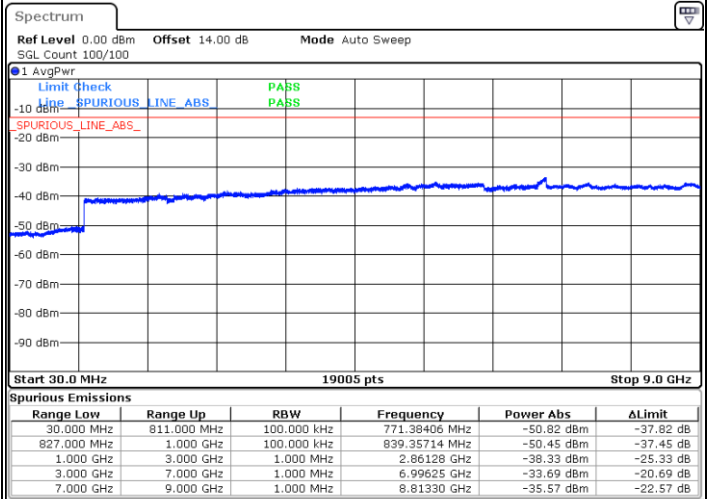
## LTE Band 26 / 5MHz

## Lowest Channel / 64QAM



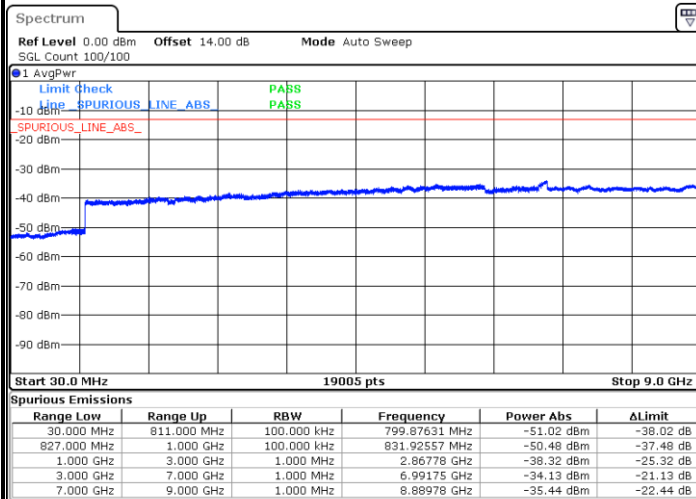
Date: 12.MAY.2019 16:35:21

## Middle Channel / 64QAM



Date: 12.MAY.2019 16:36:38

## Highest Channel / 64QAM

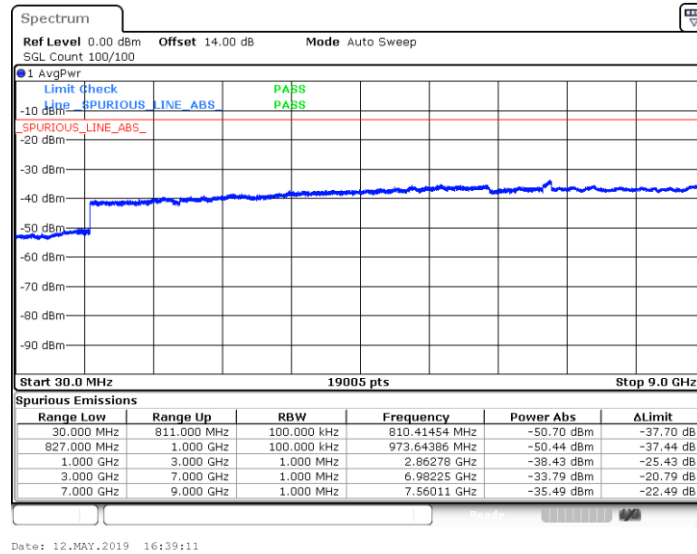


Date: 12.MAY.2019 16:37:54



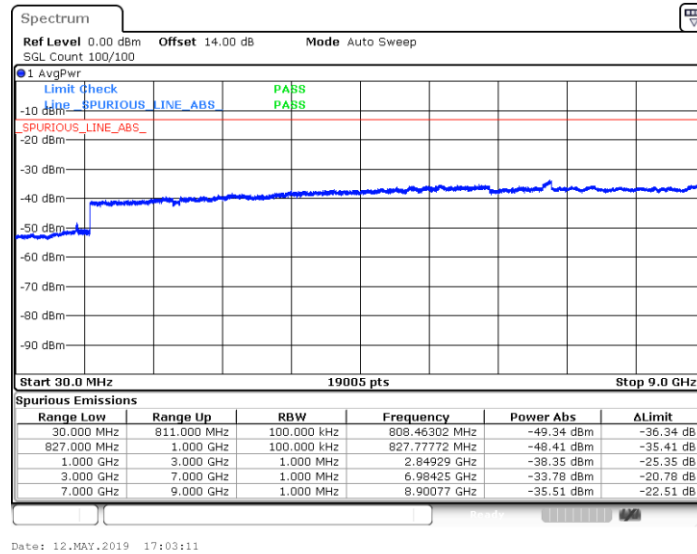
LTE Band 26 / 10MHz

Middle Channel / 64QAM



LTE Band 26 / 15MHz

Lowest Channel / 64QAM



**Frequency Stability**

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|-------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                  | Result |
| 50                  | Normal Voltage    | 0.0011                              | PASS   |
| 40                  | Normal Voltage    | 0.0006                              |        |
| 30                  | Normal Voltage    | 0.0020                              |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |        |
| 10                  | Normal Voltage    | 0.0012                              |        |
| 0                   | Normal Voltage    | 0.0010                              |        |
| -10                 | Normal Voltage    | 0.0002                              |        |
| -20                 | Normal Voltage    | 0.0016                              |        |
| -30                 | Normal Voltage    | 0.0007                              |        |
| 20                  | Maximum Voltage   | 0.0022                              |        |
| 20                  | Normal Voltage    | 0.0000                              |        |
| 20                  | Battery End Point | 0.0017                              |        |

**Note:** Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

#### Top Antenna:

| LTE Band 26 / 1.4MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 1636.74           | -69.28      | -13           | -56.28            | -78.48            | -72.53             | 4.00                 | 9.40                  | H                  |
|                             | 2455.11           | -66.50      | -13           | -53.50            | -80.00            | -70.07             | 4.88                 | 10.60                 | H                  |
|                             | 3273.48           | -65.31      | -13           | -52.31            | -80.93            | -70.24             | 5.52                 | 12.60                 | H                  |
|                             | 1636.74           | -69.57      | -13           | -56.57            | -78.32            | -72.82             | 4.00                 | 9.40                  | V                  |
|                             | 2455.11           | -66.16      | -13           | -53.16            | -79.63            | -69.73             | 4.88                 | 10.60                 | V                  |
|                             | 3273.48           | -65.22      | -13           | -52.22            | -80.94            | -70.15             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 26 / 3MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1635.3            | -69.03      | -13           | -56.03            | -78.23            | -72.28             | 4.00                 | 9.40                  | H                  |
|                           | 2452.95           | -66.39      | -13           | -53.39            | -79.91            | -69.96             | 4.88                 | 10.60                 | H                  |
|                           | 3270.6            | -65.32      | -13           | -52.32            | -80.94            | -70.25             | 5.52                 | 12.60                 | H                  |
|                           | 1635.3            | -69.61      | -13           | -56.61            | -78.36            | -72.86             | 4.00                 | 9.40                  | V                  |
|                           | 2452.95           | -66.39      | -13           | -53.39            | -79.92            | -69.96             | 4.88                 | 10.60                 | V                  |
|                           | 3270.6            | -65.25      | -13           | -52.25            | -80.97            | -70.18             | 5.52                 | 12.60                 | V                  |

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



| LTE Band 26 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1633.5            | -68.89      | -13           | -55.89            | -78.09            | -72.14             | 4.00                 | 9.40                  | H                  |
|                           | 2450.25           | -66.23      | -13           | -53.23            | -79.75            | -69.80             | 4.88                 | 10.60                 | H                  |
|                           | 3267              | -65.29      | -13           | -52.29            | -80.94            | -70.22             | 5.52                 | 12.60                 | H                  |
|                           | 1633.5            | -69.62      | -13           | -56.62            | -78.37            | -72.87             | 4.00                 | 9.40                  | V                  |
|                           | 2450.25           | -66.18      | -13           | -53.18            | -79.71            | -69.75             | 4.88                 | 10.60                 | V                  |
|                           | 3267              | -65.22      | -13           | -52.22            | -81.00            | -70.15             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 26 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1629              | -69.01      | -13           | -56.01            | -78.21            | -72.26             | 4.00                 | 9.40                  | H                  |
|                            | 2443.5            | -66.18      | -13           | -53.18            | -79.70            | -69.75             | 4.88                 | 10.60                 | H                  |
|                            | 3258              | -65.17      | -13           | -52.17            | -80.82            | -70.10             | 5.52                 | 12.60                 | H                  |
|                            | 1629              | -69.48      | -13           | -56.48            | -78.23            | -72.73             | 4.00                 | 9.40                  | V                  |
|                            | 2443.5            | -64.27      | -13           | -51.27            | -77.80            | -67.84             | 4.88                 | 10.60                 | V                  |
|                            | 3258              | -65.22      | -13           | -52.22            | -81.00            | -70.15             | 5.52                 | 12.60                 | V                  |

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



## Bottom Antenna:

| LTE Band 26 / 1.4MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 1636.74           | -69.35      | -13           | -56.35            | -78.55            | -72.60             | 4.00                 | 9.40                  | H                  |
|                             | 2455.11           | -65.84      | -13           | -52.84            | -79.34            | -69.41             | 4.88                 | 10.60                 | H                  |
|                             | 3273.48           | -65.35      | -13           | -52.35            | -80.97            | -70.28             | 5.52                 | 12.60                 | H                  |
|                             | 1636.74           | -69.32      | -13           | -56.32            | -78.07            | -72.57             | 4.00                 | 9.40                  | V                  |
|                             | 2455.11           | -66.68      | -13           | -53.68            | -80.15            | -70.25             | 4.88                 | 10.60                 | V                  |
|                             | 3273.48           | -65.29      | -13           | -52.29            | -81.01            | -70.22             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 26 / 3MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1635.3            | -69.25      | -13           | -56.25            | -78.45            | -72.50             | 4.00                 | 9.40                  | H                  |
|                           | 2452.95           | -65.29      | -13           | -52.29            | -78.81            | -68.86             | 4.88                 | 10.60                 | H                  |
|                           | 3270.6            | -65.45      | -13           | -52.45            | -81.07            | -70.38             | 5.52                 | 12.60                 | H                  |
|                           | 1635.3            | -69.58      | -13           | -56.58            | -78.33            | -72.83             | 4.00                 | 9.40                  | V                  |
|                           | 2452.95           | -66.31      | -13           | -53.31            | -79.84            | -69.88             | 4.88                 | 10.60                 | V                  |
|                           | 3270.6            | -65.36      | -13           | -52.36            | -81.08            | -70.29             | 5.52                 | 12.60                 | V                  |

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



| LTE Band 26 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1633.5            | -69.37      | -13           | -56.37            | -78.57            | -72.62             | 4.00                 | 9.40                  | H                  |
|                           | 2450.25           | -65.65      | -13           | -52.65            | -79.17            | -69.22             | 4.88                 | 10.60                 | H                  |
|                           | 3267              | -65.36      | -13           | -52.36            | -81.01            | -70.29             | 5.52                 | 12.60                 | H                  |
|                           | 1633.5            | -69.79      | -13           | -56.79            | -78.54            | -73.04             | 4.00                 | 9.40                  | V                  |
|                           | 2450.25           | -66.32      | -13           | -53.32            | -79.85            | -69.89             | 4.88                 | 10.60                 | V                  |
|                           | 3267              | -65.30      | -13           | -52.30            | -81.08            | -70.23             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 26 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1629              | -68.96      | -13           | -55.96            | -78.16            | -72.21             | 4.00                 | 9.40                  | H                  |
|                            | 2443.5            | -65.39      | -13           | -52.39            | -78.91            | -68.96             | 4.88                 | 10.60                 | H                  |
|                            | 3258              | -65.06      | -13           | -52.06            | -80.71            | -69.99             | 5.52                 | 12.60                 | H                  |
|                            | 1629              | -69.27      | -13           | -56.27            | -78.02            | -72.52             | 4.00                 | 9.40                  | V                  |
|                            | 2443.5            | -66.01      | -13           | -53.01            | -79.54            | -69.58             | 4.88                 | 10.60                 | V                  |
|                            | 3258              | -65.31      | -13           | -52.31            | -81.09            | -70.24             | 5.52                 | 12.60                 | V                  |

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