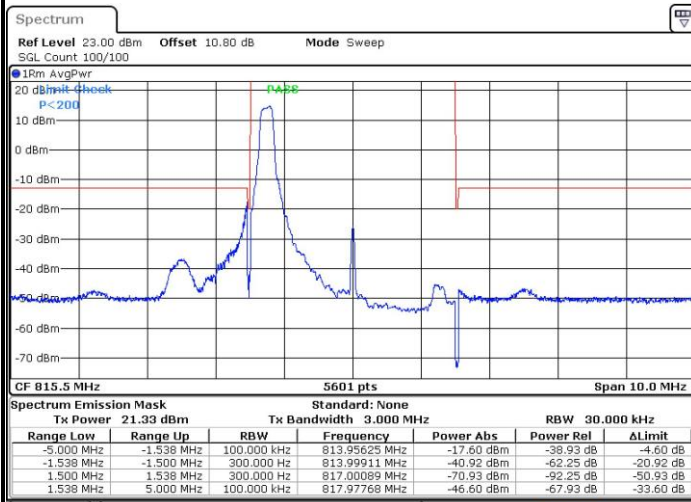


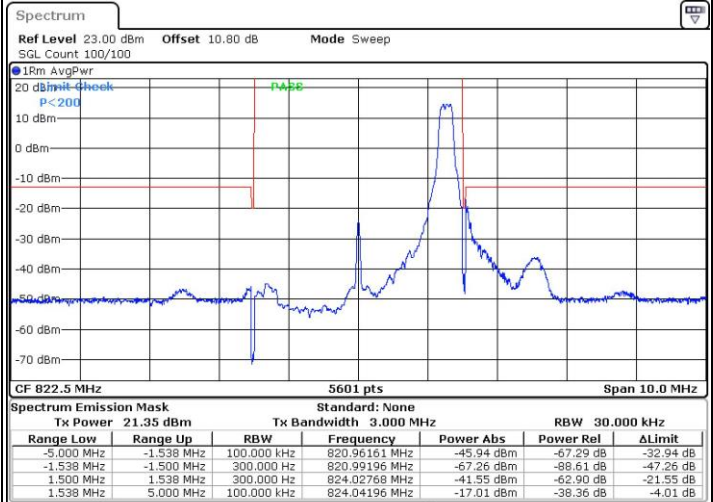


## LTE Band 26 / 3MHz / QPSK

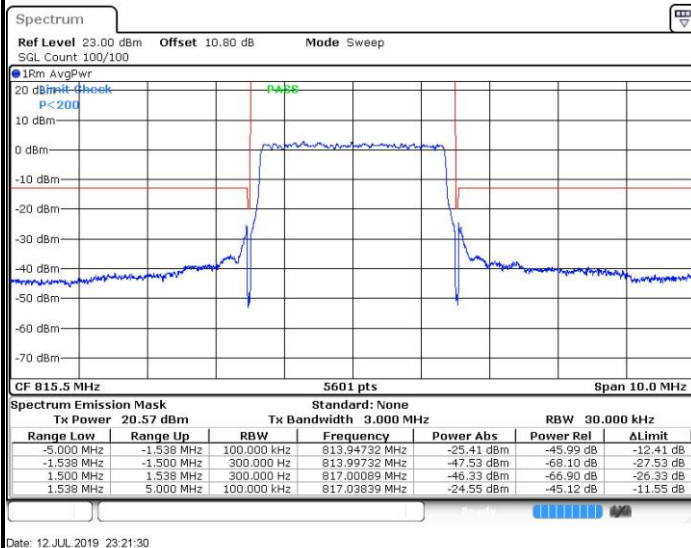
## Lowest Band Edge / 1RB



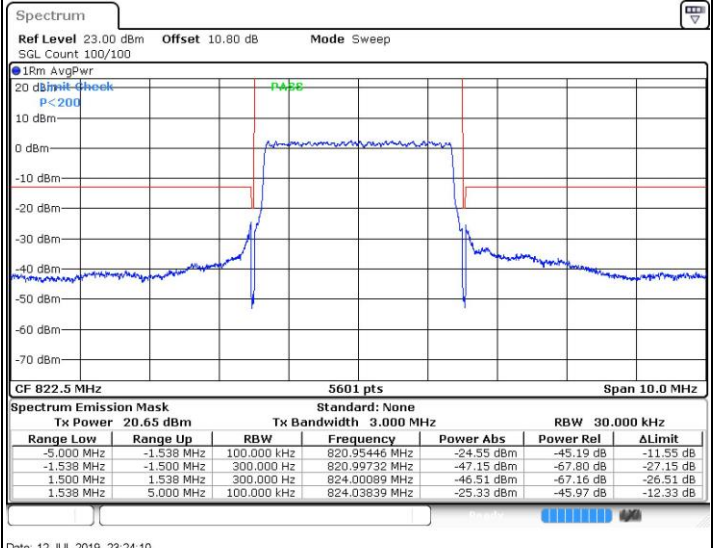
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



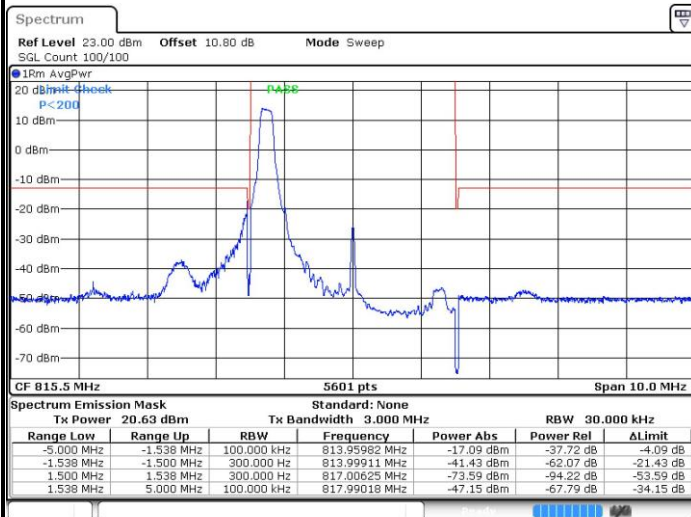
## Highest Band Edge / Full RB



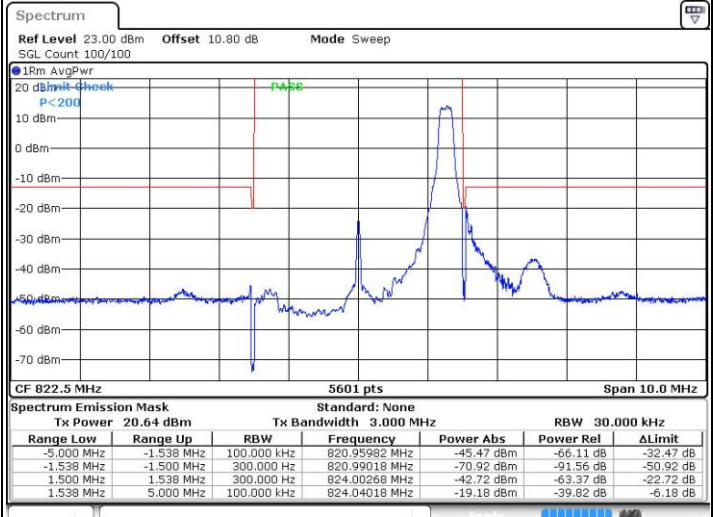


## LTE Band 26 / 3MHz / 16QAM

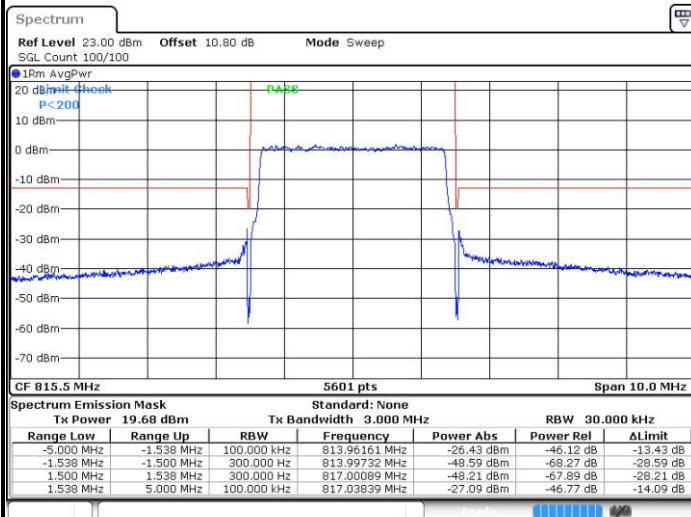
## Lowest Band Edge / 1 RB



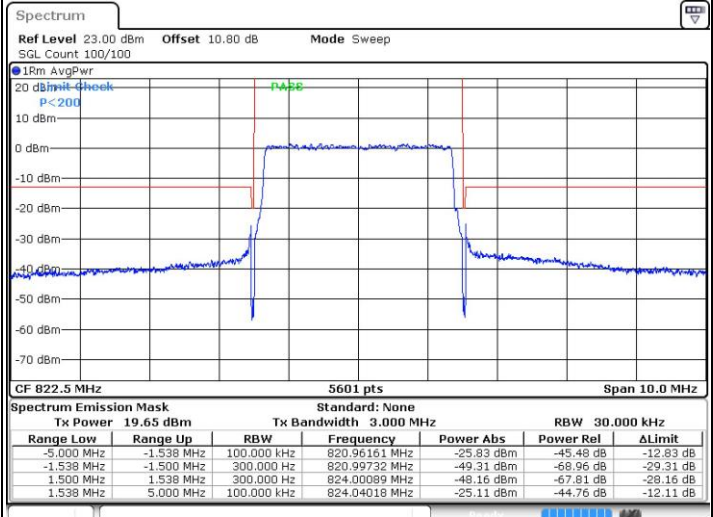
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



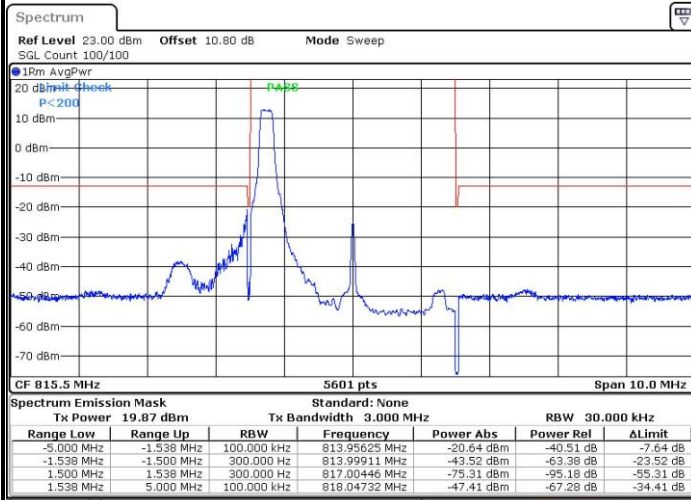
## Highest Band Edge / Full RB



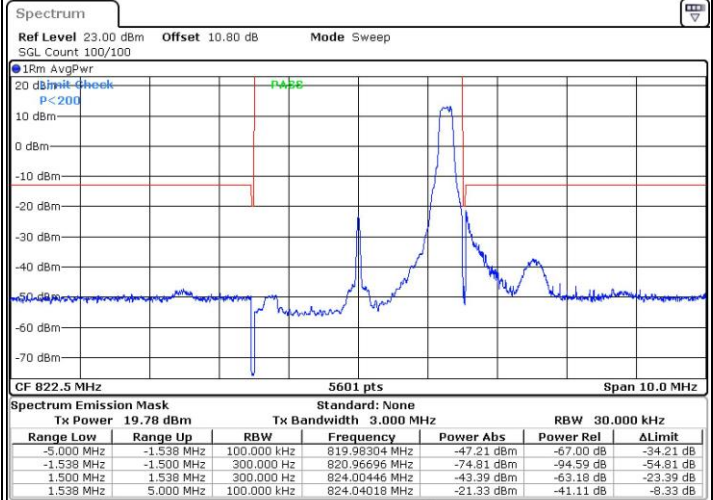


## LTE Band 26 / 3MHz / 64QAM

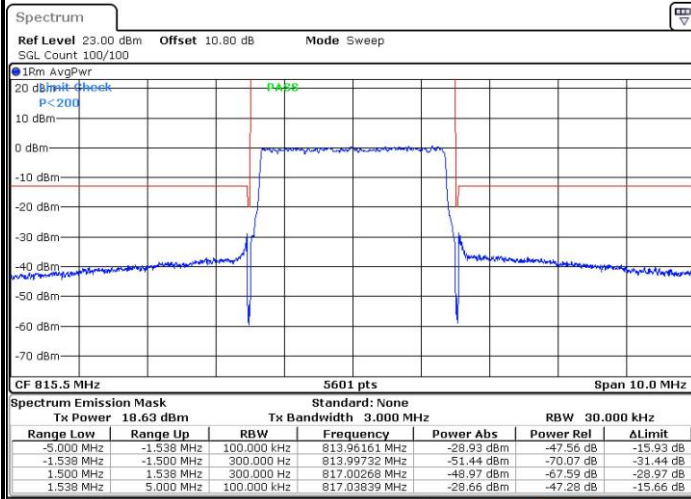
## Lowest Band Edge / 1 RB



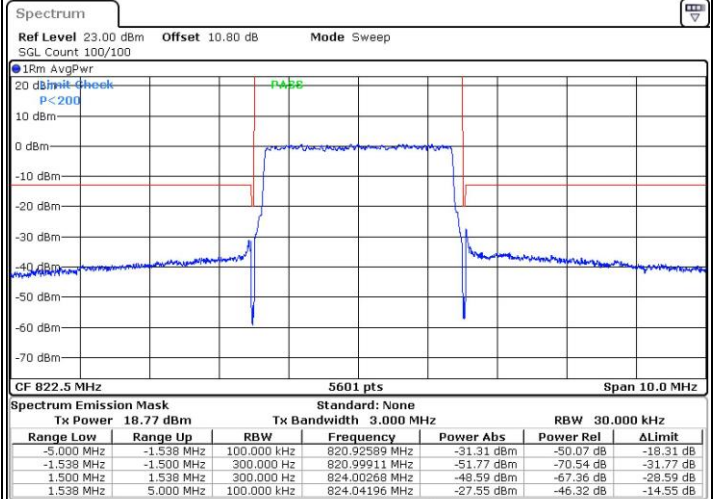
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



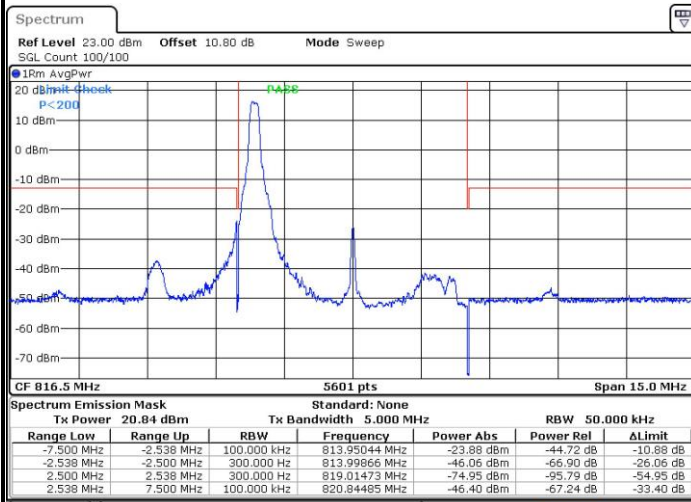
## Highest Band Edge / Full RB



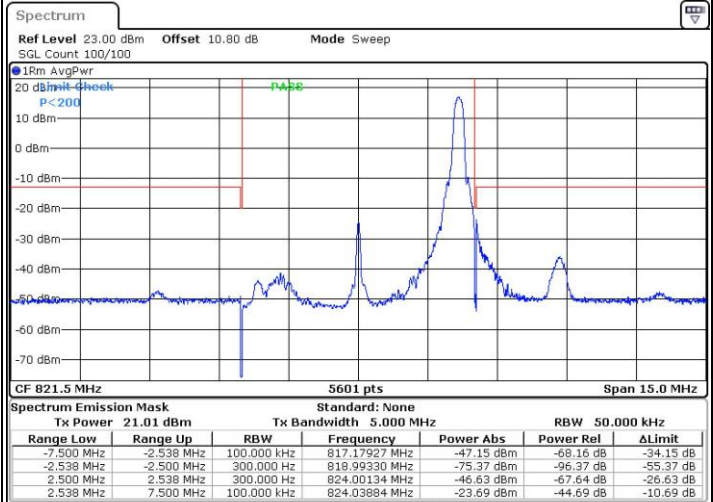


## LTE Band 26 / 5MHz / QPSK

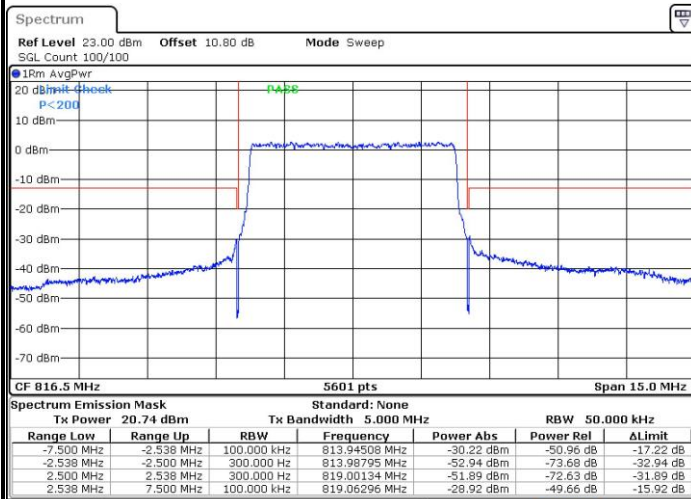
## Lowest Band Edge / 1 RB



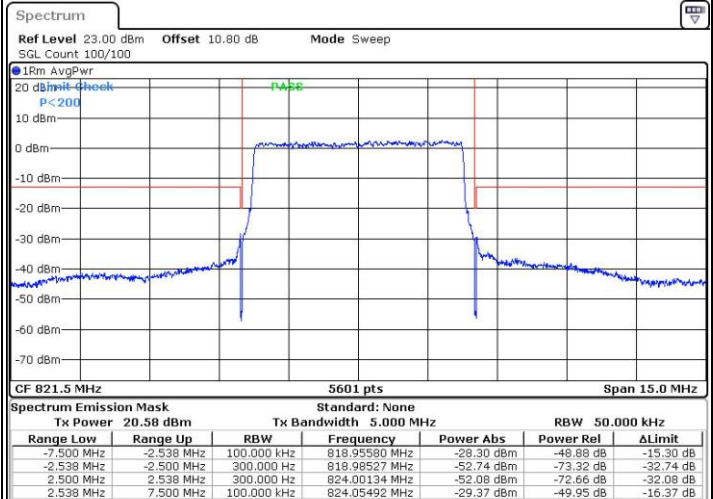
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



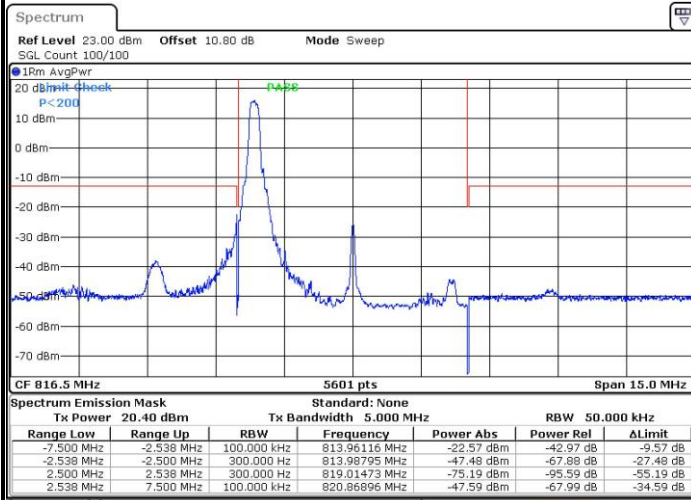
## Highest Band Edge / Full RB



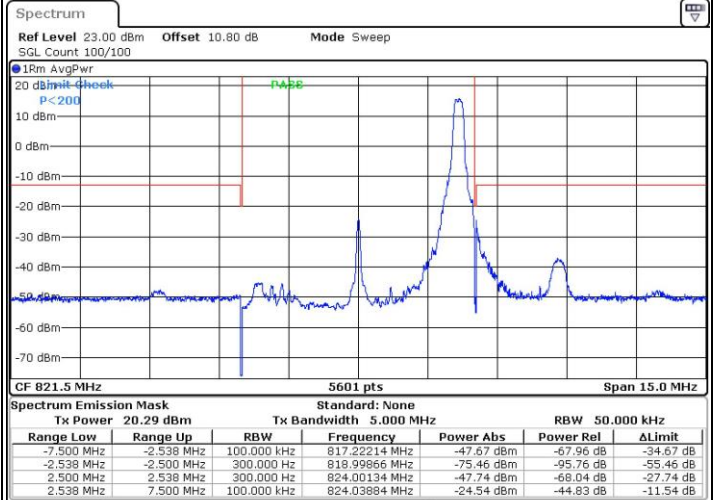


## LTE Band 26 / 5MHz / 16QAM

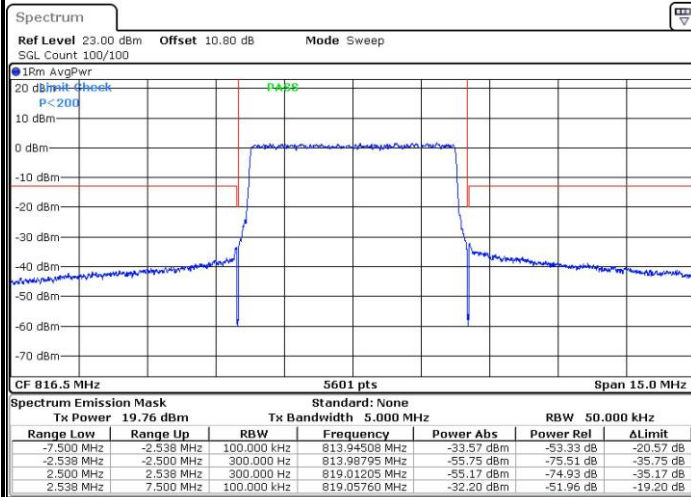
## Lowest Band Edge / 1RB



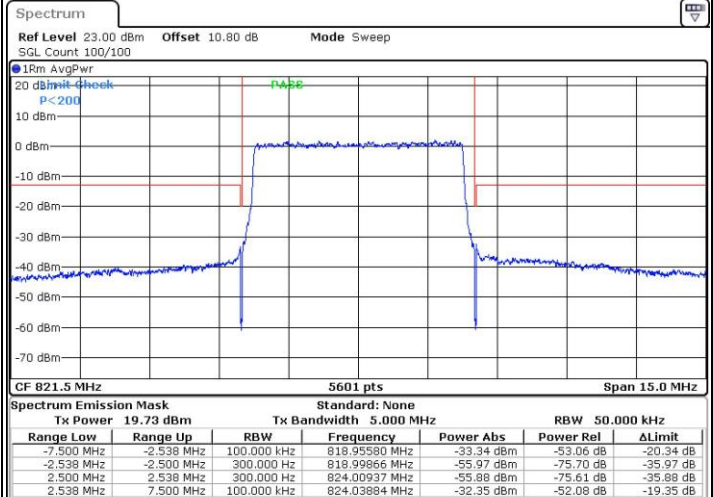
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



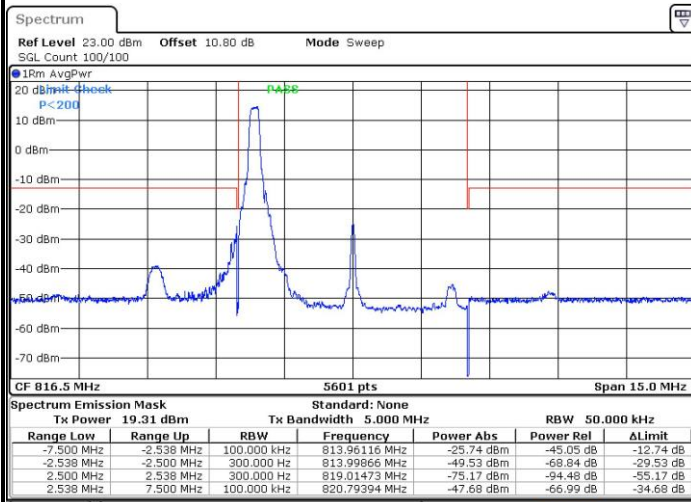
## Highest Band Edge / Full RB



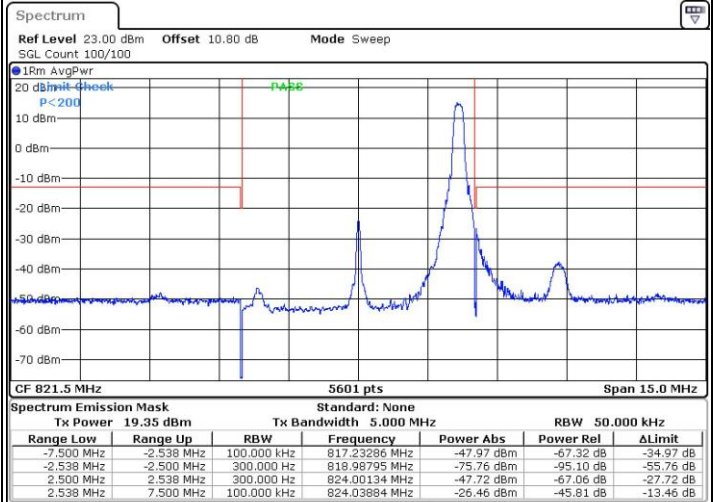


## LTE Band 26 / 5MHz / 64QAM

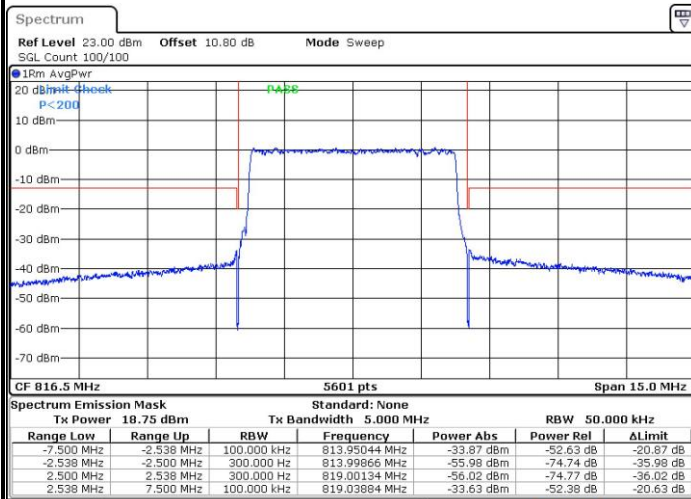
## Lowest Band Edge / 1RB



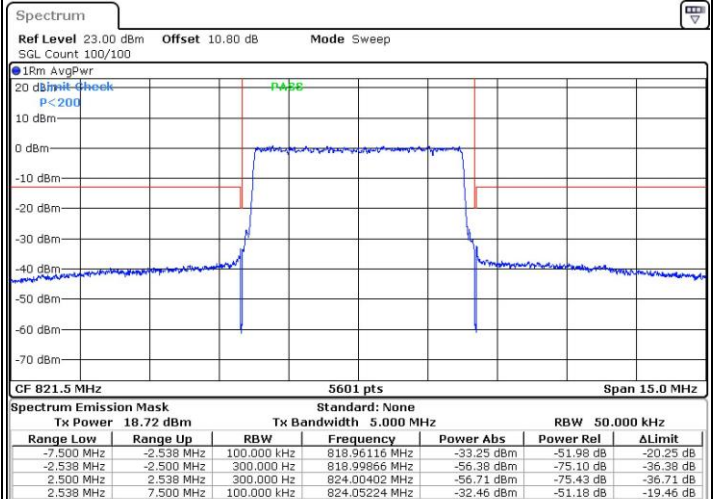
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



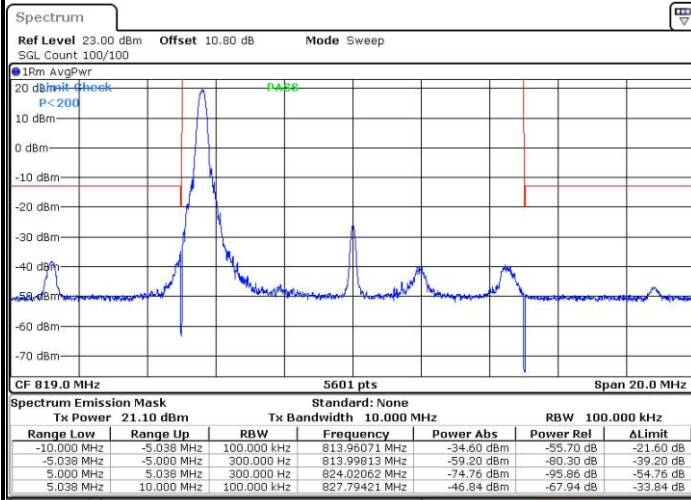
## Highest Band Edge / Full RB





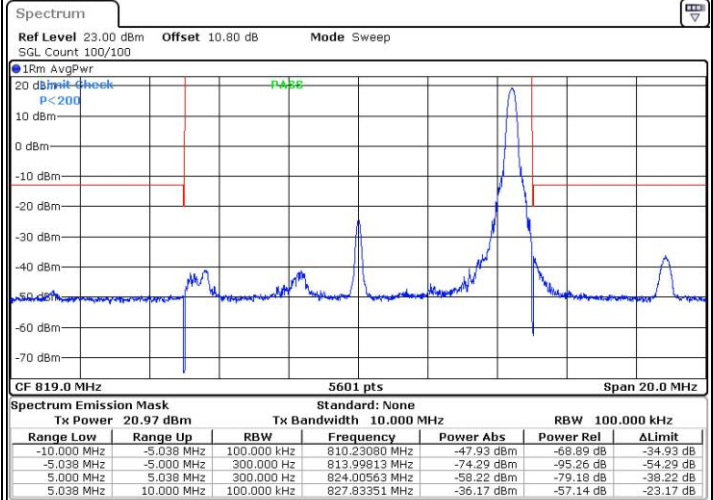
## LTE Band 26 / 10MHz / QPSK

## Lowest Band Edge / 1 RB



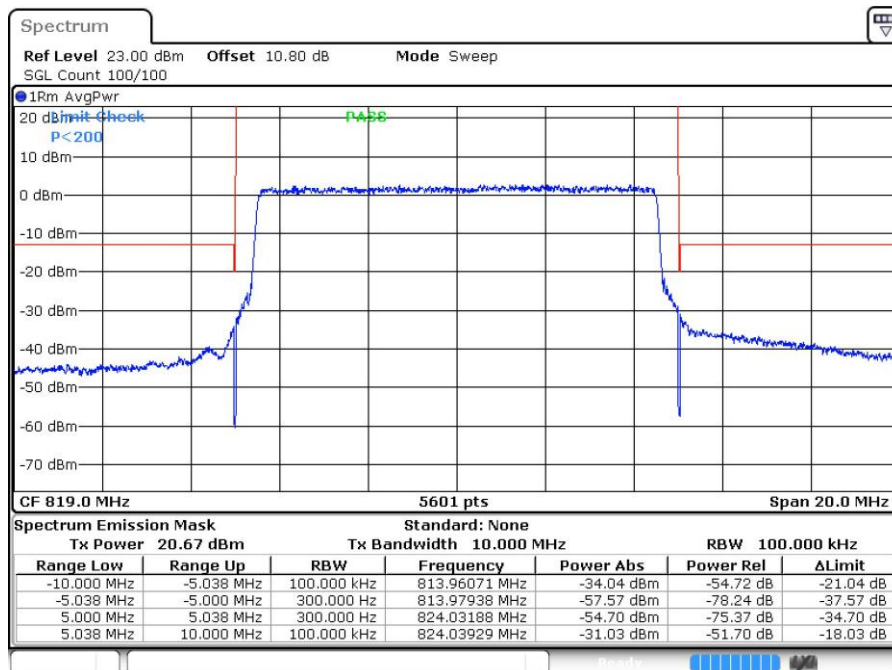
Date: 12 JUL 2019 23:30:46

## Highest Band Edge / 1 RB



Date: 12 JUL 2019 23:32:05

## Band Edge / Full RB

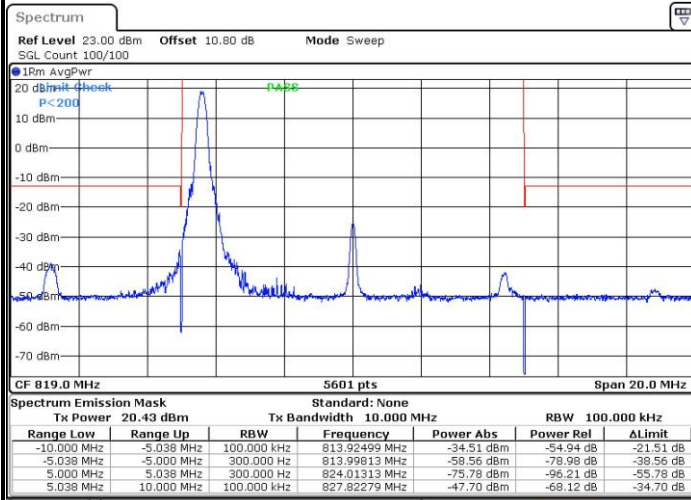


Date: 12 JUL 2019 23:33:25



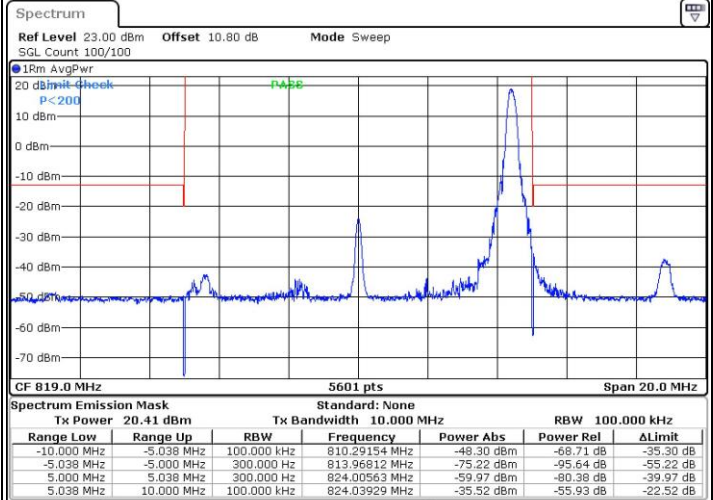
## LTE Band 26 / 10MHz / 16QAM

## Lowest Band Edge / 1 RB



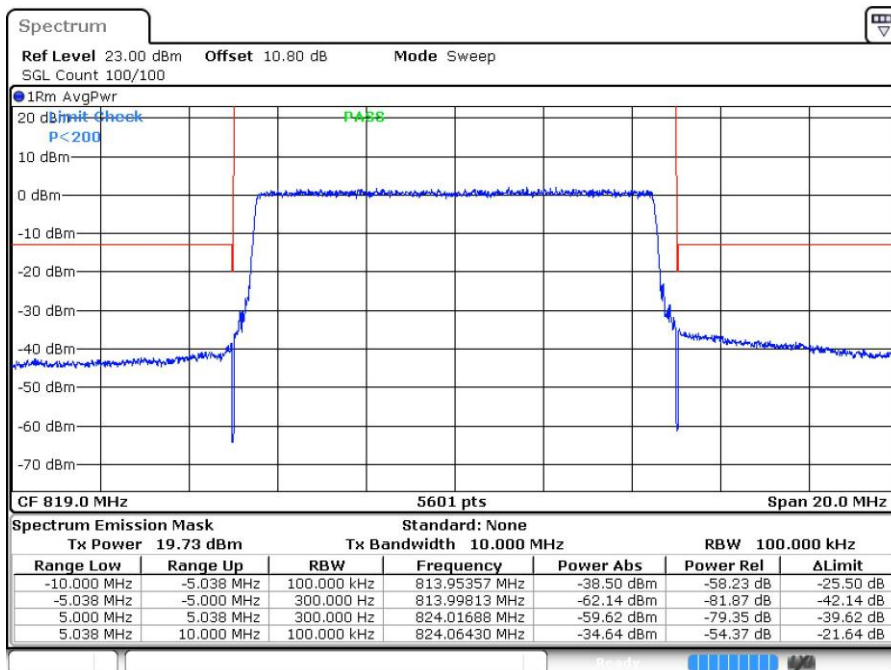
Date: 12 JUL 2019 23:31:26

## Highest Band Edge / 1 RB



Date: 12 JUL 2019 23:32:45

## Band Edge / Full RB

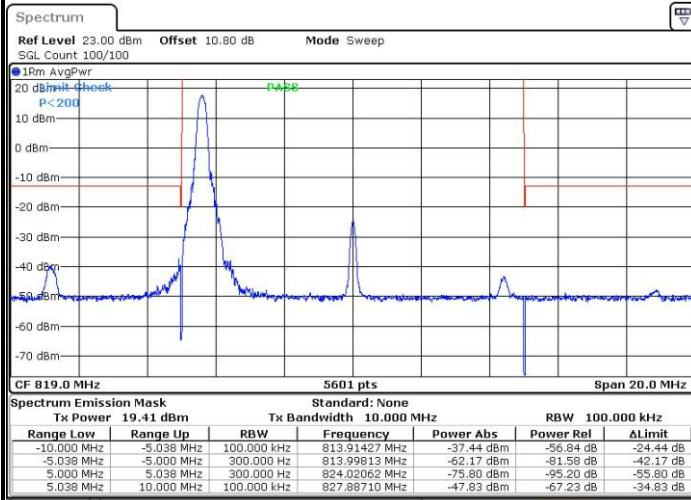


Date: 12 JUL 2019 23:34:04



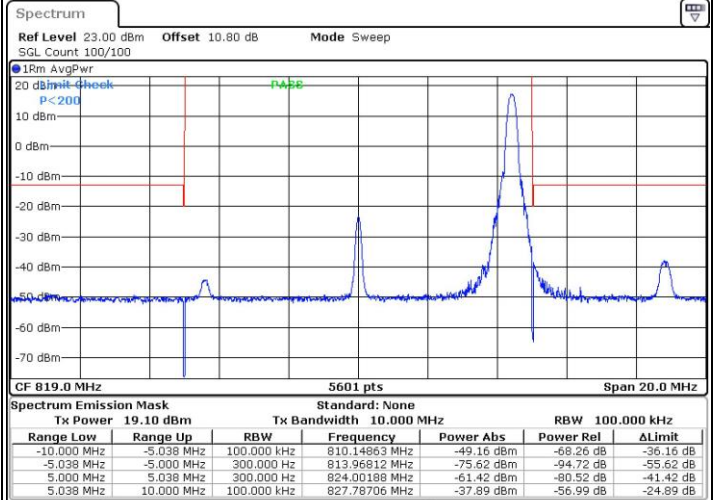
## LTE Band 26 / 10MHz / 64QAM

## Lowest Band Edge / 1 RB



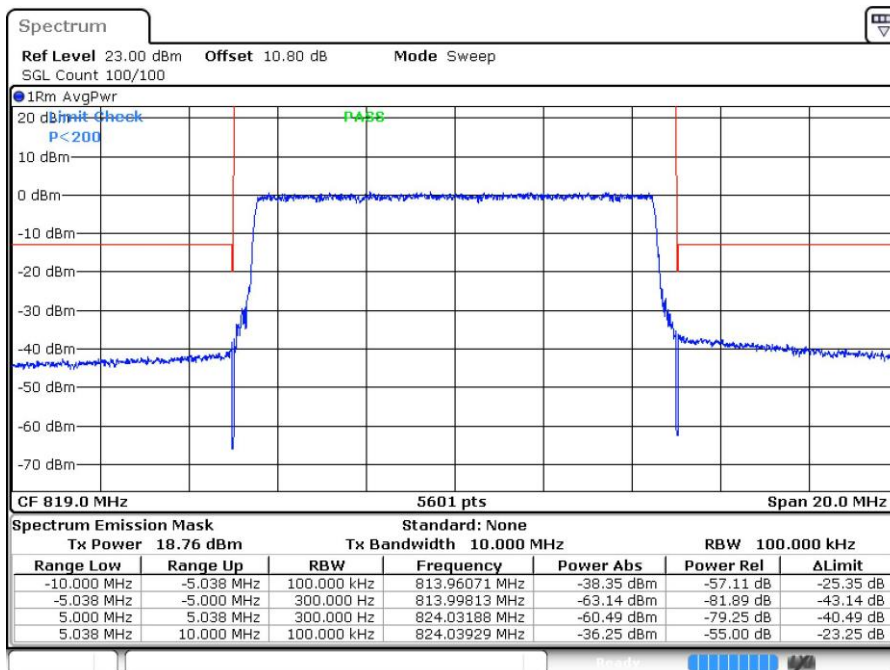
Date: 12 JUL 2019 23:46:38

## Highest Band Edge / 1 RB



Date: 12 JUL 2019 23:47:18

## Band Edge / Full RB

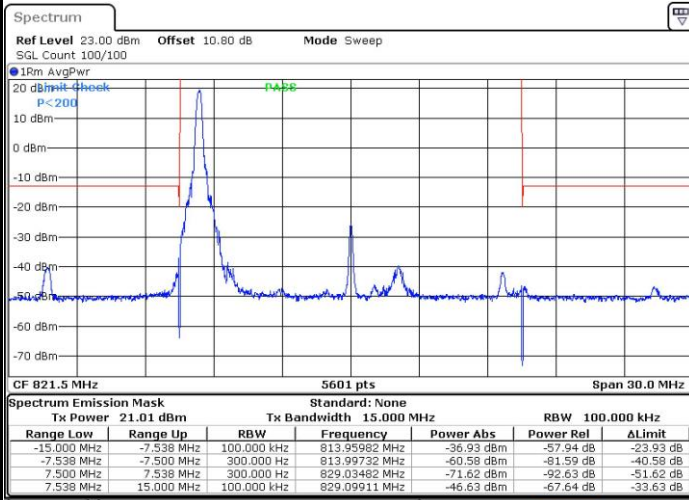


Date: 12 JUL 2019 23:47:57



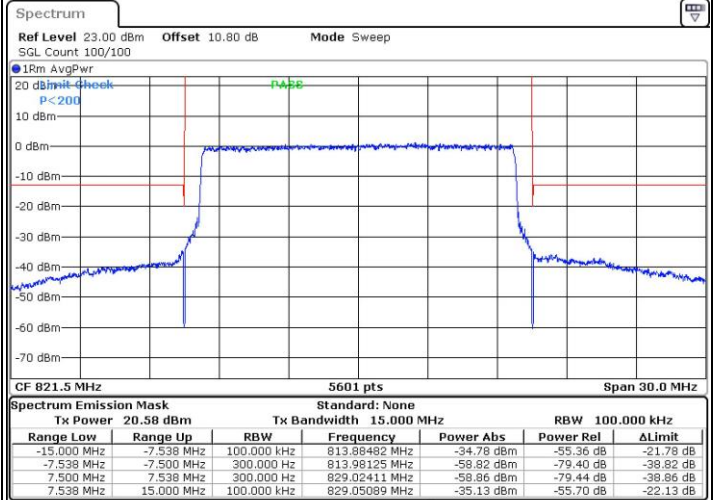
## LTE Band 26 / 15MHz QPSK

## Lowest Band Edge / 1 RB



Date: 12 JUL 2019 23:34:44

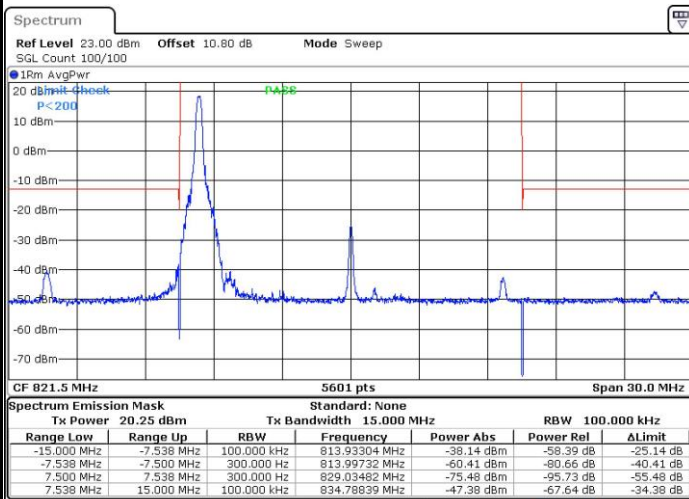
## Lowest Band Edge / Full RB



Date: 12 JUL 2019 23:37:22

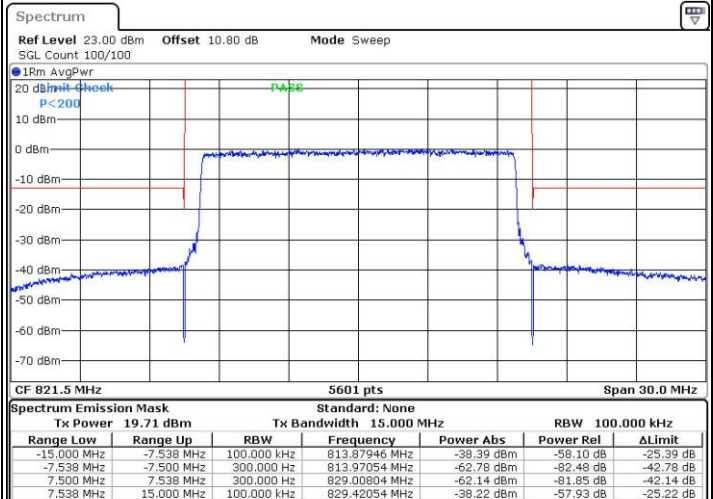
## LTE Band 26 / 15MHz 16QAM

## Lowest Band Edge / 1 RB



Date: 12 JUL 2019 23:35:24

## Lowest Band Edge / Full RB

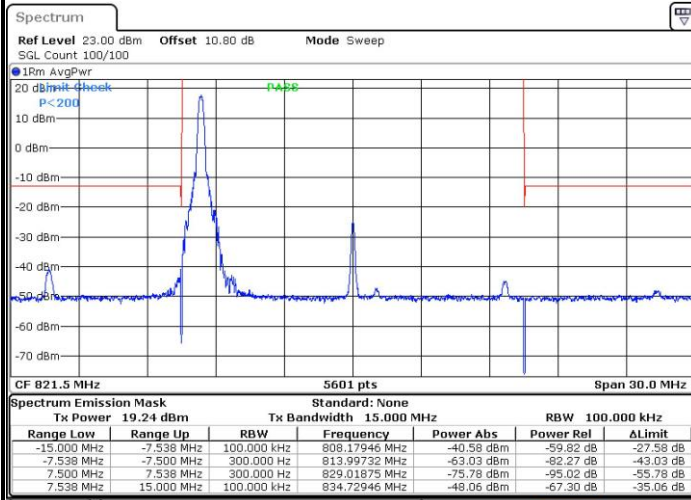


Date: 12 JUL 2019 23:38:02



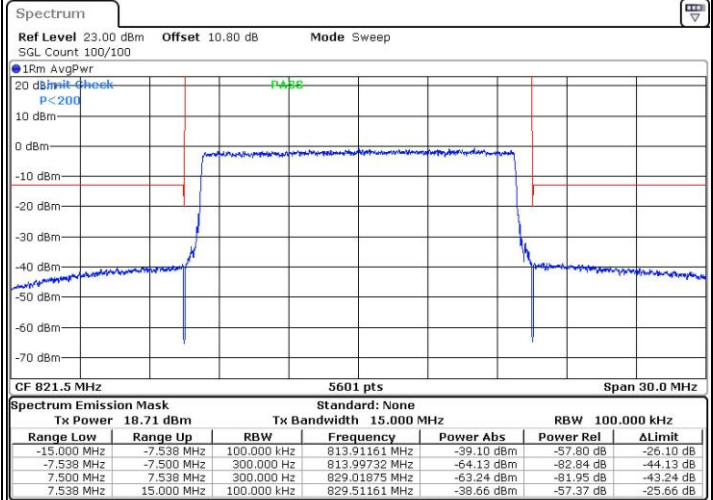
## LTE Band 26 / 15MHz / 64QAM

## Lowest Band Edge / 1 RB

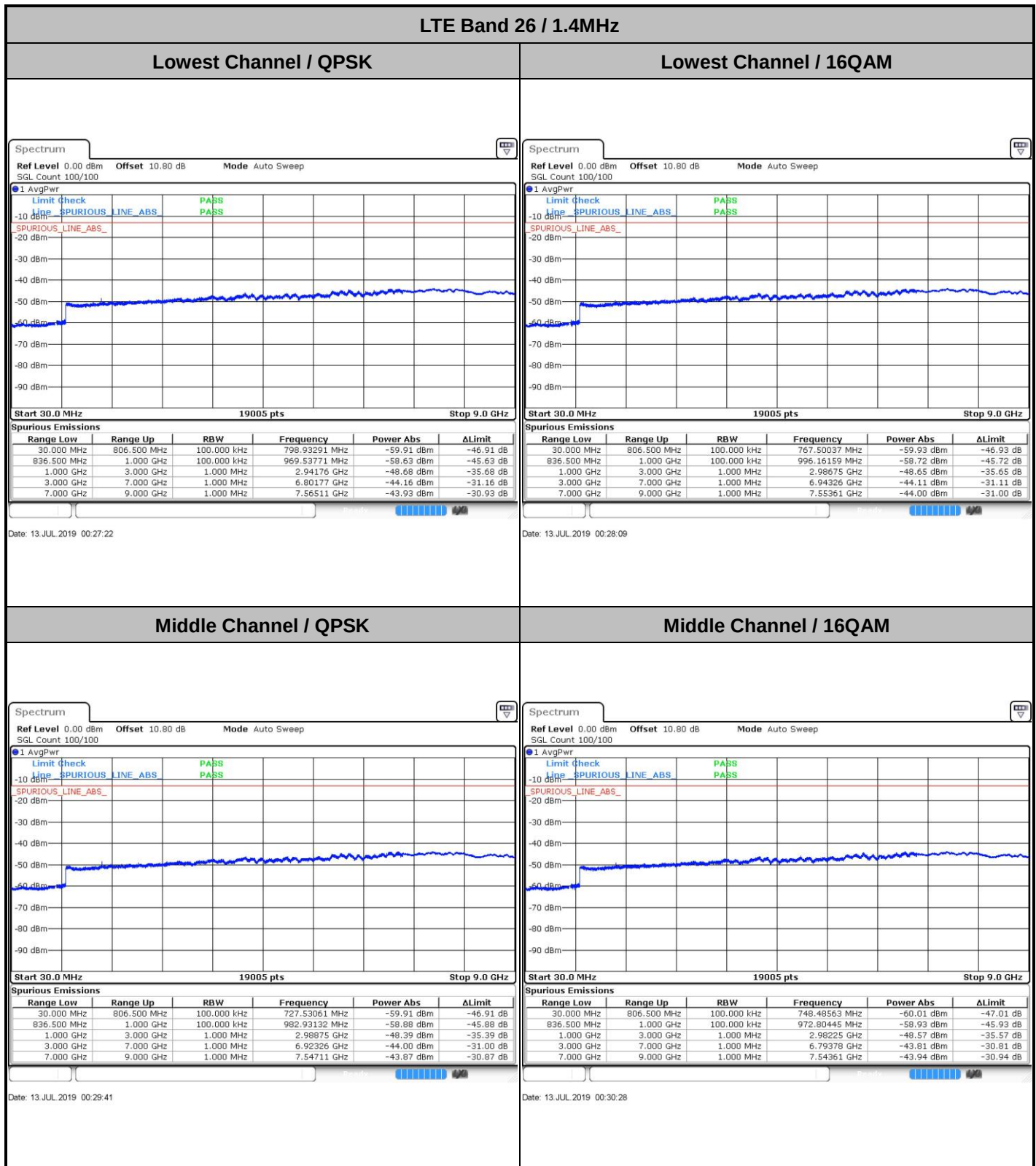


Date: 12 JUL 2019 23:48:37

## Lowest Band Edge / Full RB



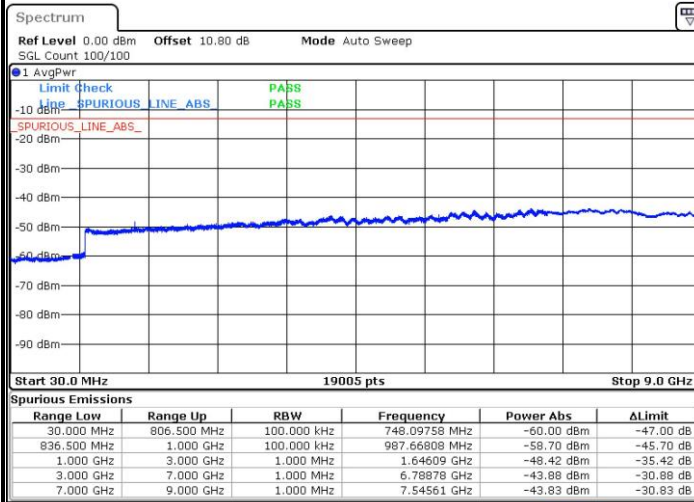
Date: 12 JUL 2019 23:49:56

**Emission masks – Out of band emissions**



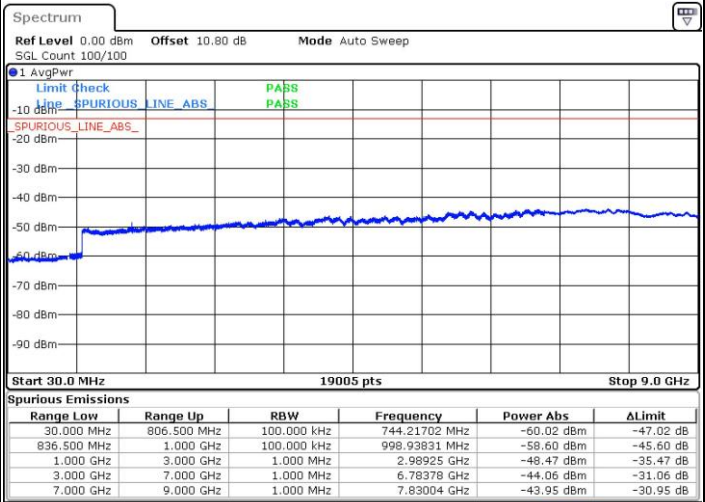
## LTE Band 26 / 1.4MHz

## Highest Channel / QPSK



Date: 13 JUL 2019 00:32:00

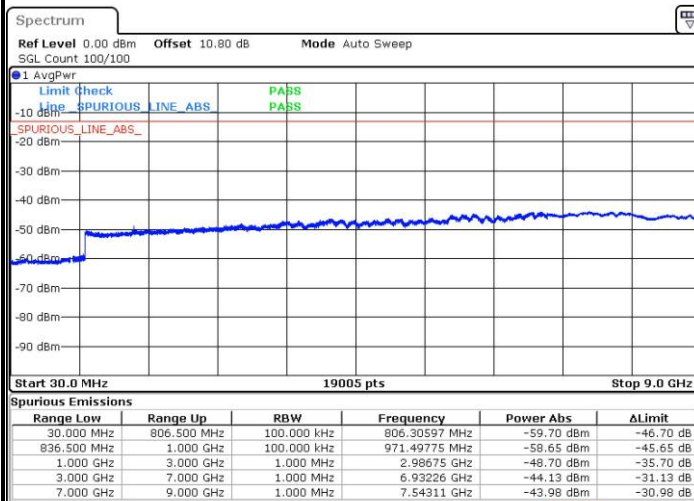
## Highest Channel / 16QAM



Date: 13 JUL 2019 00:32:47

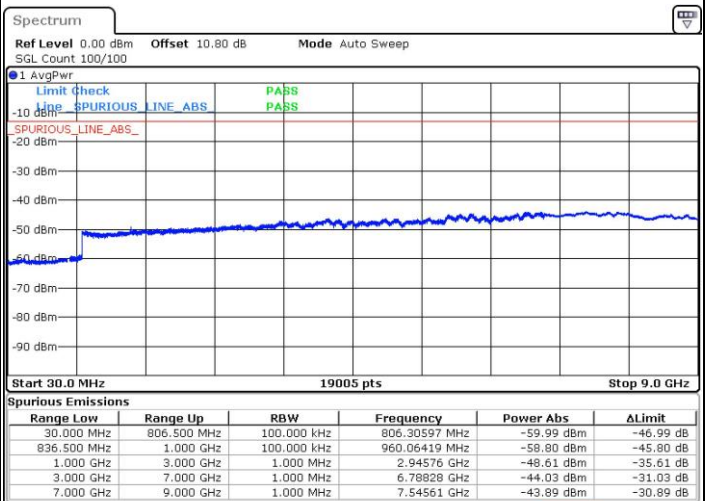
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



Date: 13 JUL 2019 00:05:45

## Lowest Channel / 16QAM

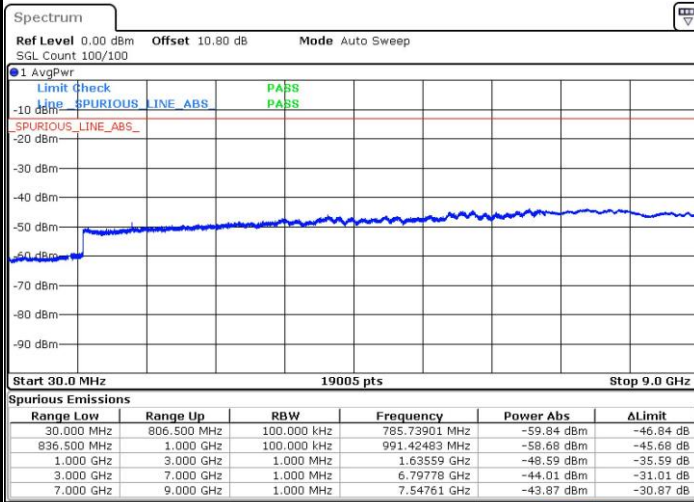


Date: 13 JUL 2019 00:06:31



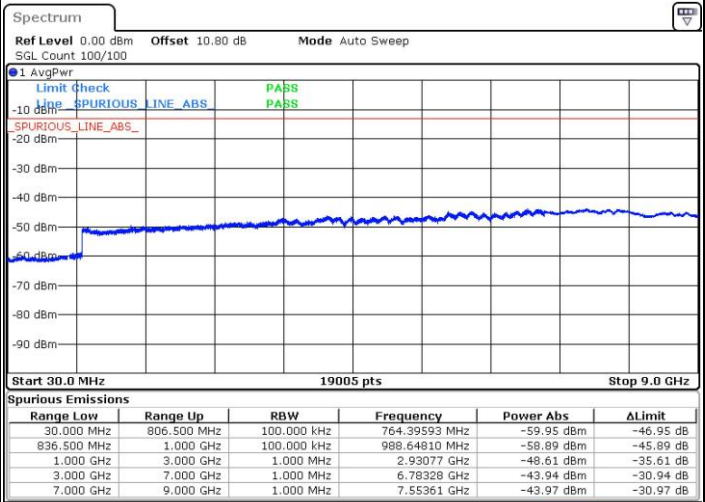
## LTE Band 26 / 3MHz

## Middle Channel / QPSK



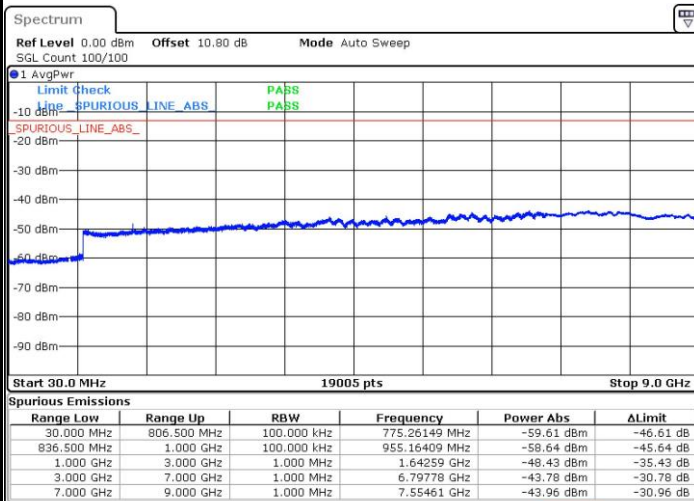
Date: 13 JUL 2019 00:08:04

## Middle Channel / 16QAM



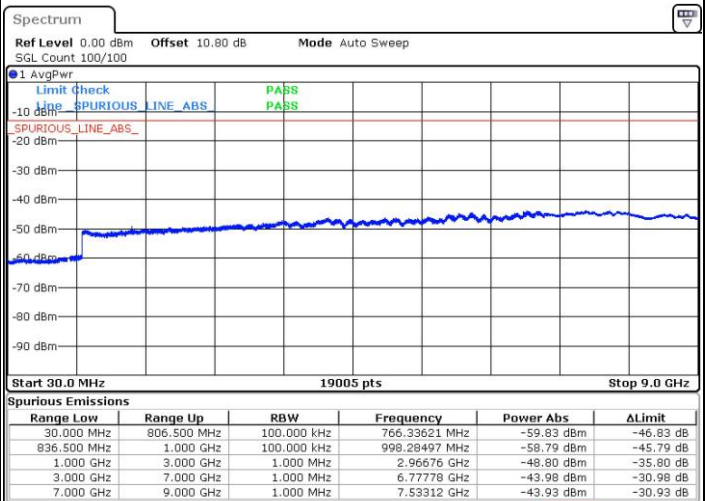
Date: 13 JUL 2019 00:08:51

## Highest Channel / QPSK



Date: 13 JUL 2019 00:10:23

## Highest Channel / 16QAM

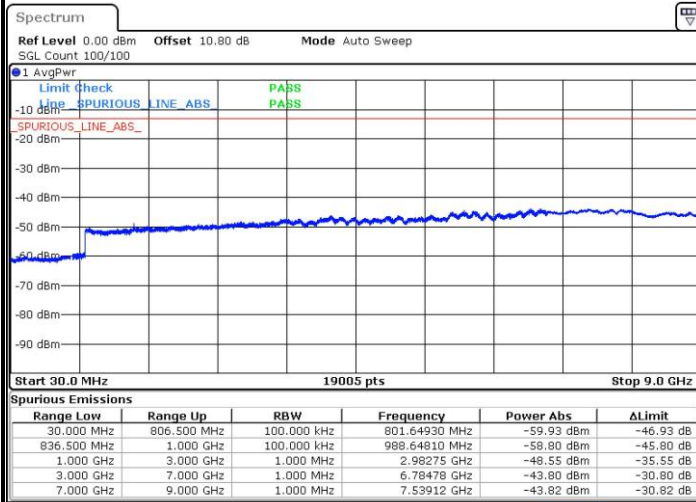


Date: 13 JUL 2019 00:11:10



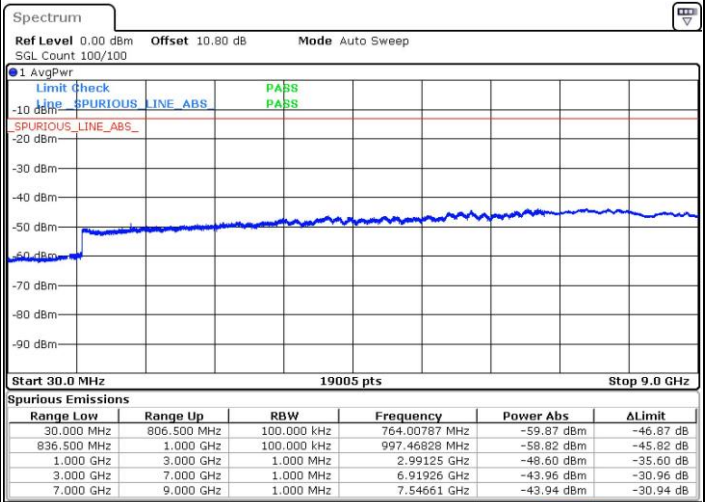
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



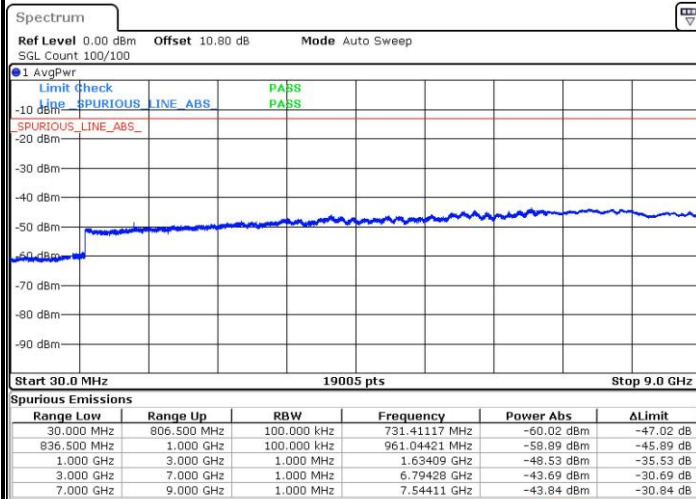
Date: 13 JUL 2019 00:12:42

## Lowest Channel / 16QAM



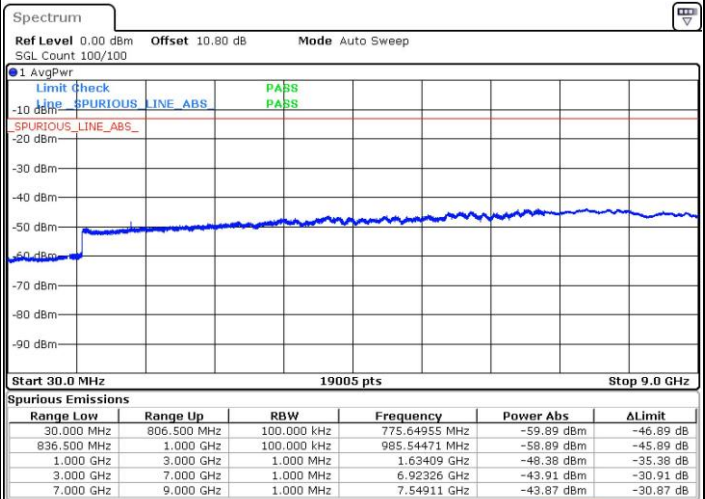
Date: 13 JUL 2019 00:13:29

## Middle Channel / QPSK



Date: 13 JUL 2019 00:15:01

## Middle Channel / 16QAM

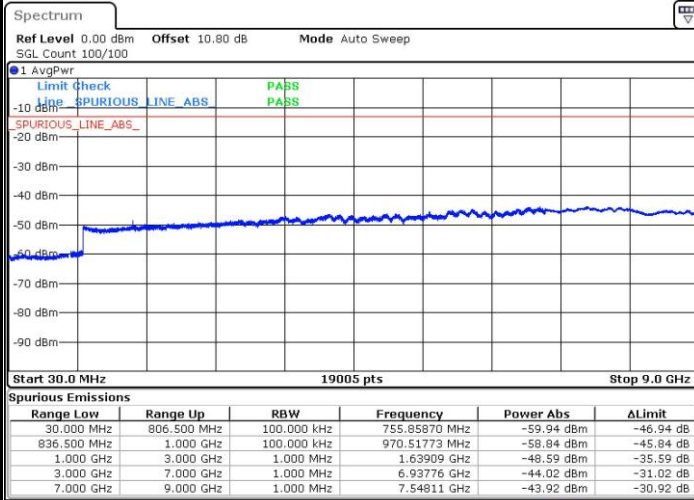


Date: 13 JUL 2019 00:15:47



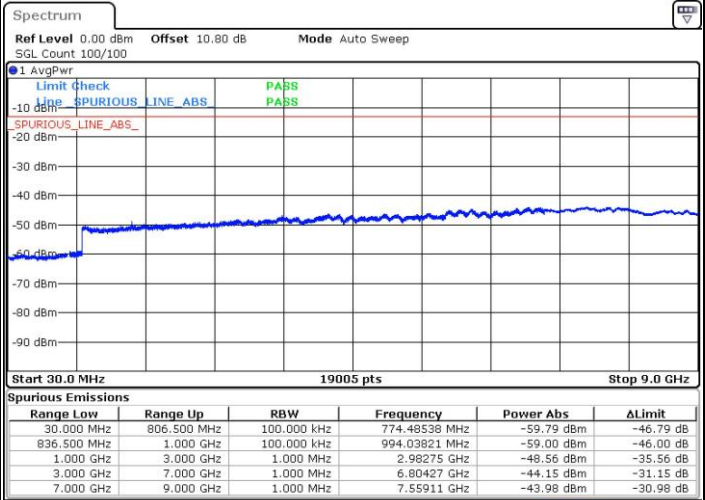
## LTE Band 26 / 5MHz

## Highest Channel / QPSK



Date: 13 JUL 2019 00:17:20

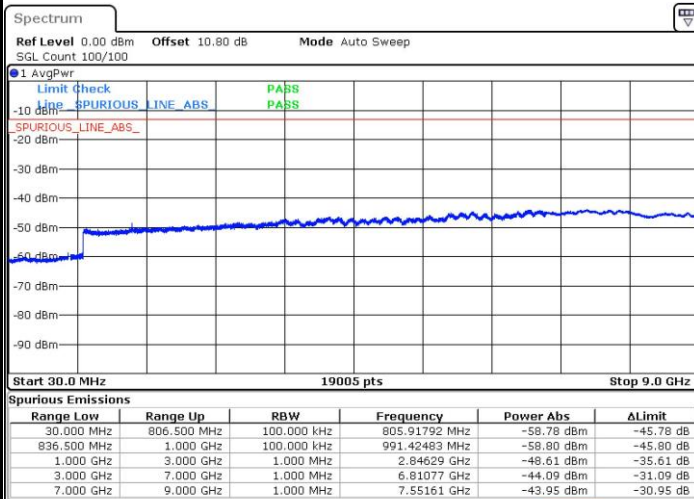
## Highest Channel / 16QAM



Date: 13 JUL 2019 00:18:06

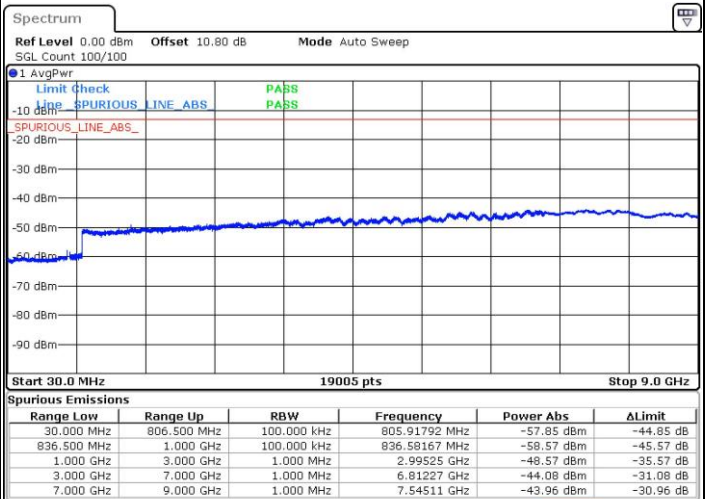
## LTE Band 26 / 10MHz

## Middle Channel / QPSK



Date: 13 JUL 2019 00:19:38

## Middle Channel / 16QAM

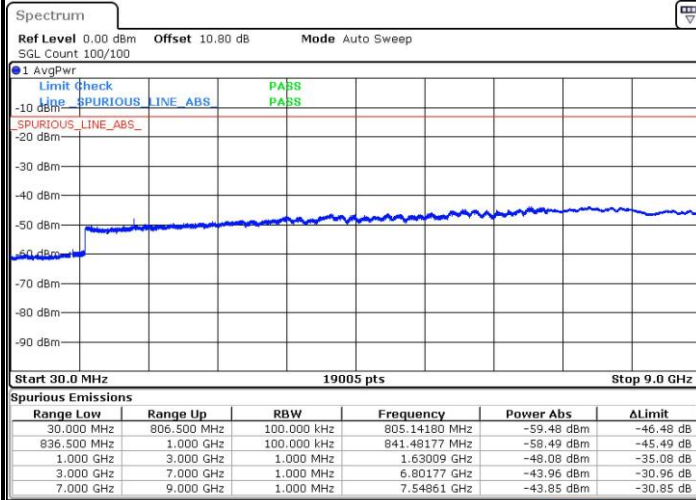


Date: 13 JUL 2019 00:20:25



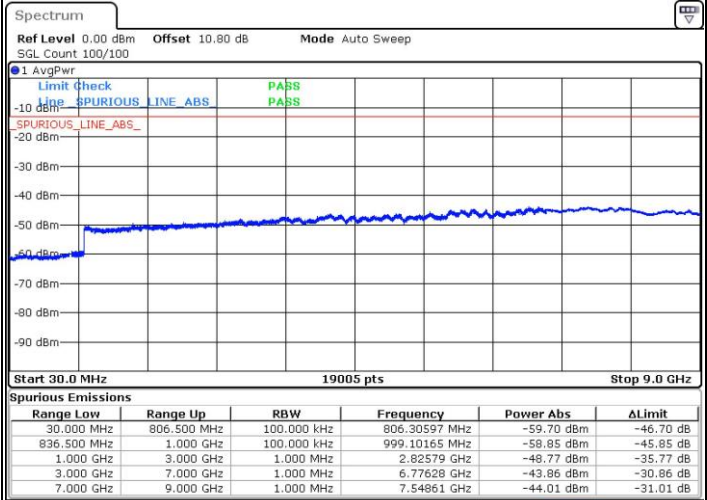
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



Date: 13 JUL 2019 00:21:57

## Lowest Channel / 16QAM

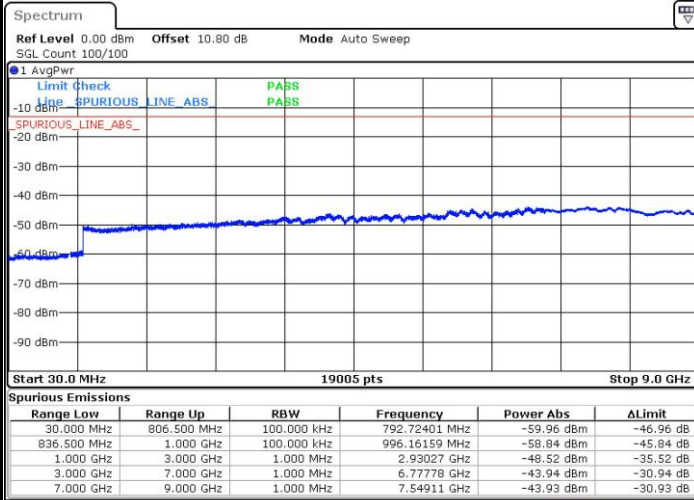


Date: 13 JUL 2019 00:22:44



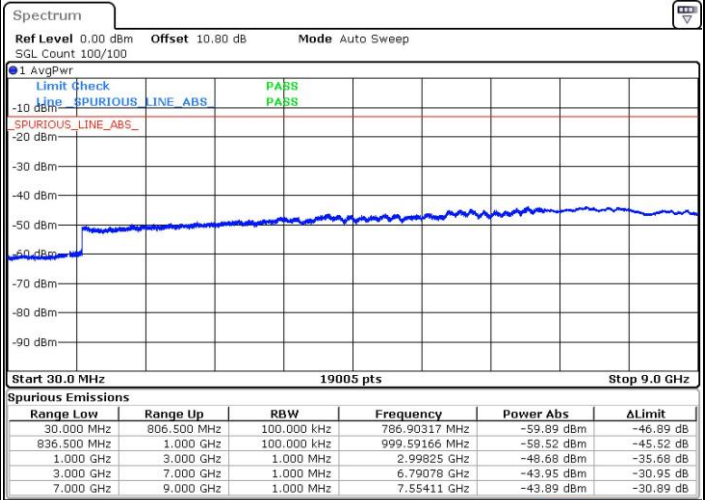
## LTE Band 26 / 1.4MHz

## Lowest Channel / 64QAM



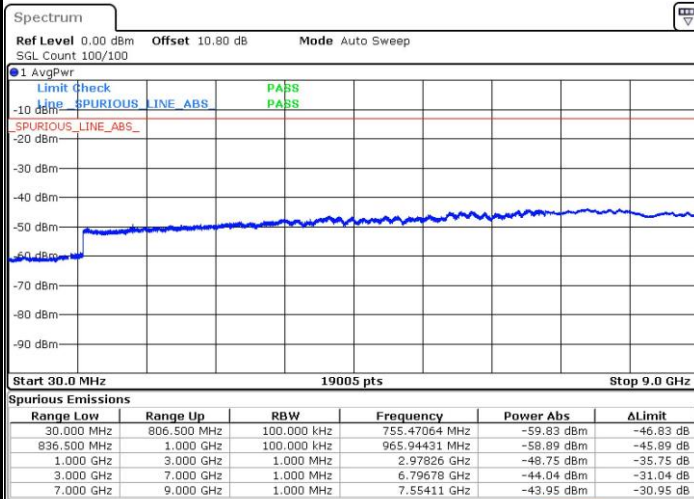
Date: 13 JUL 2019 00:01:54

## Middle Channel / 64QAM



Date: 13 JUL 2019 00:03:03

## Highest Channel / 64QAM

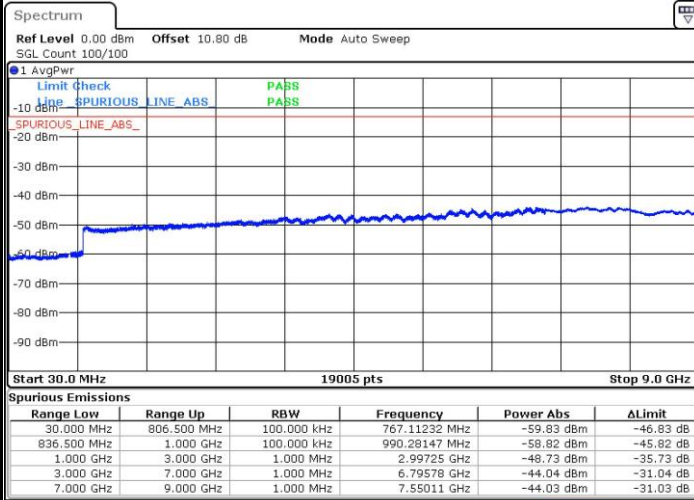


Date: 13 JUL 2019 00:04:13



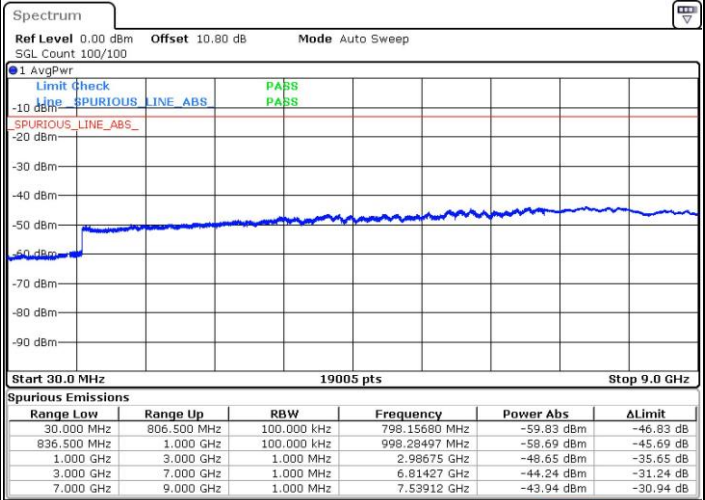
## LTE Band 26 / 3MHz

## Lowest Channel / 64QAM



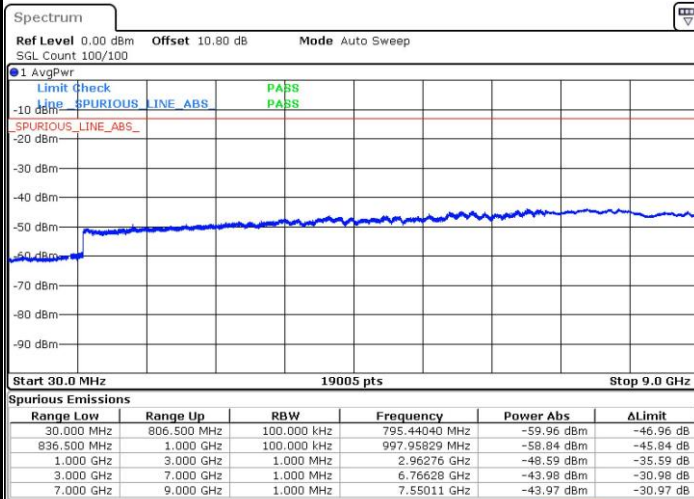
Date: 12 JUL 2019 23:51:05

## Middle Channel / 64QAM



Date: 12 JUL 2019 23:52:15

## Highest Channel / 64QAM

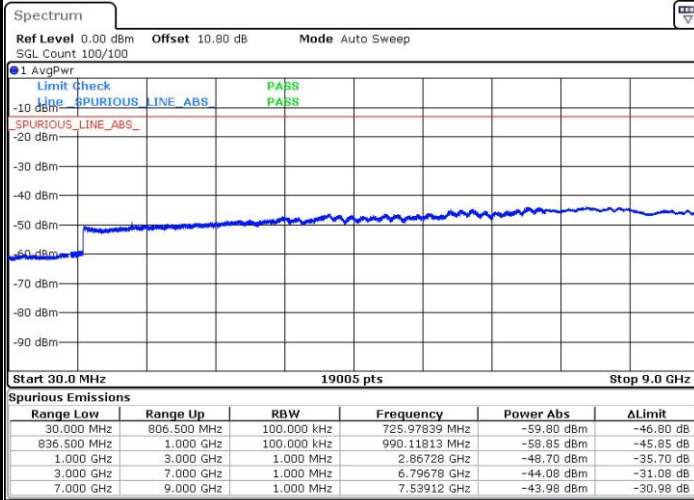


Date: 12 JUL 2019 23:53:24



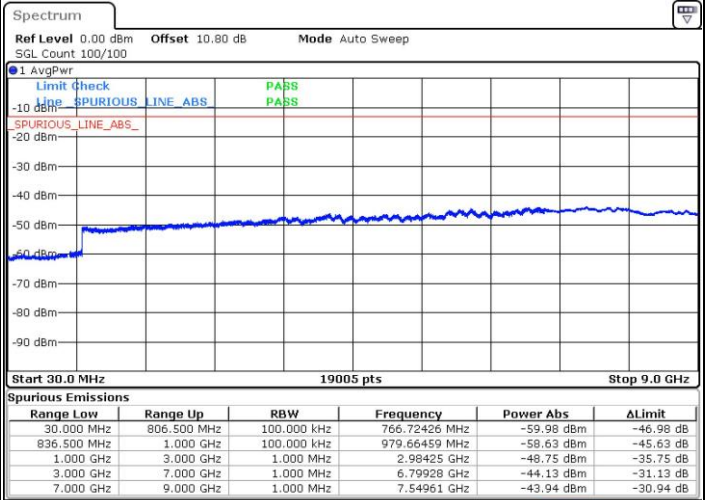
## LTE Band 26 / 5MHz

## Lowest Channel / 64QAM



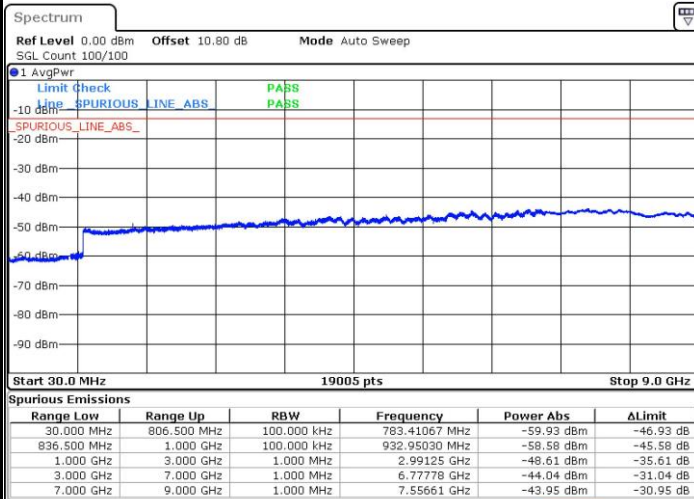
Date: 12 JUL 2019 23:54:34

## Middle Channel / 64QAM



Date: 12 JUL 2019 23:55:43

## Highest Channel / 64QAM

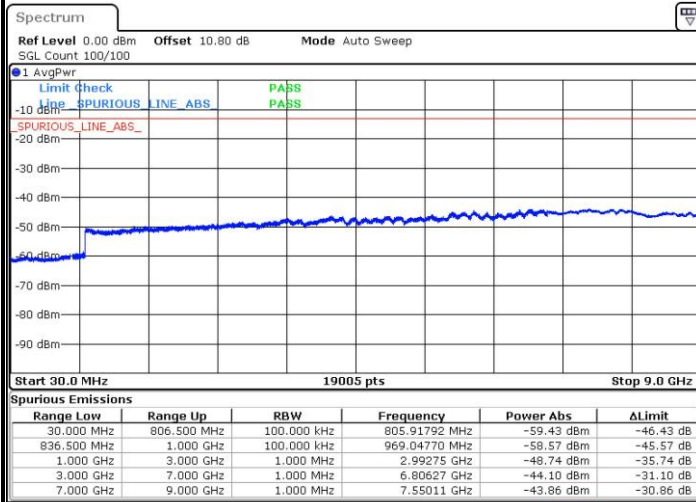


Date: 12 JUL 2019 23:56:52



## LTE Band 26 / 10MHz

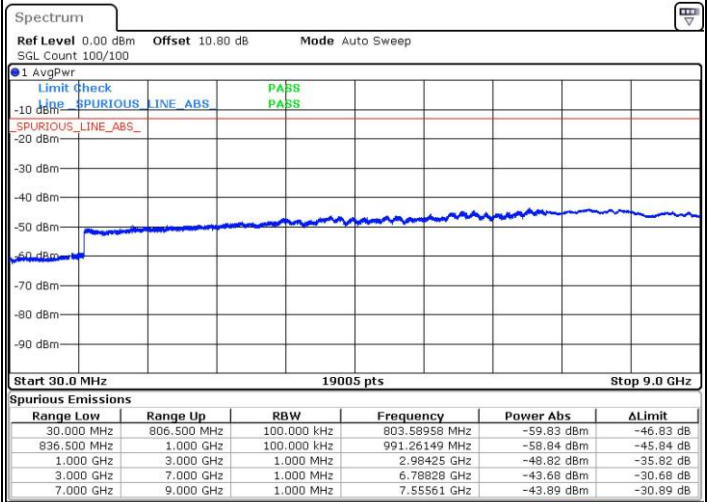
## Middle Channel / 64QAM



Date: 12 JUL 2019 23:58:02

## LTE Band 26 / 15MHz

## Lowest Channel / 64QAM



Date: 12 JUL 2019 23:59:11

## Frequency Stability

| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0018                              | PASS    |
| 40               | Normal Voltage    | 0.0088                              |         |
| 30               | Normal Voltage    | 0.0085                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0011                              |         |
| 0                | Normal Voltage    | 0.0001                              |         |
| -10              | Normal Voltage    | 0.0009                              |         |
| -20              | Normal Voltage    | 0.0089                              |         |
| -30              | Normal Voltage    | 0.0001                              |         |
| 20               | Maximum Voltage   | 0.0009                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0011                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 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 (°C) | Voltage (Volt)    | BW 15MHz                         | Note 2. |
|                  |                   | Deviation (ppm)                  | Result  |
| 50               | Normal Voltage    | 0.0019                           | PASS    |
| 40               | Normal Voltage    | 0.0019                           |         |
| 30               | Normal Voltage    | 0.0004                           |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                           |         |
| 10               | Normal Voltage    | 0.0002                           |         |
| 0                | Normal Voltage    | 0.0094                           |         |
| -10              | Normal Voltage    | 0.0012                           |         |
| -20              | Normal Voltage    | 0.0013                           |         |
| -30              | Normal Voltage    | 0.0089                           |         |
| 20               | Maximum Voltage   | 0.0114                           |         |
| 20               | Normal Voltage    | 0.0000                           |         |
| 20               | Battery End Point | 0.0005                           |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**Appendix B. Test Results of ERP and Radiated Test****ERP****<Reporting Only>**

| LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -4.82 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                                  | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                          |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                                   | QPSK     | 1    | 74     | 23.53       | 0.23          | 16.56    | 0.05   |
| Middle                                                   |          | -    | -      | -           | -             | -        | -      |
| Highest                                                  |          | -    | -      | -           | -             | -        | -      |
| Lowest                                                   | 16QAM    | 1    | 37     | 22.89       | 0.19          | 15.92    | 0.04   |
| Middle                                                   |          | -    | -      | -           | -             | -        | -      |
| Highest                                                  |          | -    | -      | -           | -             | -        | -      |
| Lowest                                                   | 64QAM    | 1    | 37     | 21.78       | 0.15          | 14.81    | 0.03   |
| Middle                                                   |          | -    | -      | -           | -             | -        | -      |
| Highest                                                  |          | -    | -      | -           | -             | -        | -      |
| Limit                                                    | ERP < 7W |      |        | Result      |               | PASS     |        |

**Radiated Spurious Emission****Part 90S LTE Band 26**

| LTE Band 26 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<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                    | 1632                 | -57.08          | -13              | -44.08                  | -67.76                  | -62.41                   | 1.22                       | 8.70                        | H                     |
|                           | 2440                 | -31.93          | -13              | -18.93                  | -46.53                  | -38.80                   | 1.43                       | 10.45                       | H                     |
|                           | 4072                 | -51.02          | -13              | -38.02                  | -68.97                  | -58.86                   | 2.11                       | 12.10                       | H                     |
|                           | 1632                 | -56.30          | -13              | -43.30                  | -66.84                  | -61.63                   | 1.22                       | 8.70                        | V                     |
|                           | 2440                 | -28.97          | -13              | -15.97                  | -43.98                  | -35.84                   | 1.43                       | 10.45                       | V                     |
|                           | 4072                 | -54.13          | -13              | -41.13                  | -72.6                   | -61.97                   | 2.11                       | 12.10                       | V                     |
| Middle                    | 1632                 | -54.76          | -13              | -41.76                  | -65.44                  | -60.09                   | 1.22                       | 8.70                        | H                     |
|                           | 2448                 | -37.72          | -13              | -24.72                  | -52.3                   | -44.60                   | 1.43                       | 10.46                       | H                     |
|                           | 4088                 | -56.04          | -13              | -43.04                  | -73.98                  | -63.89                   | 2.10                       | 12.10                       | H                     |
|                           | 1632                 | -53.70          | -13              | -40.70                  | -64.24                  | -59.03                   | 1.22                       | 8.70                        | V                     |
|                           | 2448                 | -30.73          | -13              | -17.73                  | -45.69                  | -37.61                   | 1.43                       | 10.46                       | V                     |
|                           | 4088                 | -54.25          | -13              | -41.25                  | -72.73                  | -62.10                   | 2.10                       | 12.10                       | V                     |
| Highest                   | 1640                 | -58.24          | -13              | -45.24                  | -68.94                  | -63.60                   | 1.22                       | 8.73                        | H                     |
|                           | 2456                 | -34.91          | -13              | -21.91                  | -49.47                  | -41.79                   | 1.43                       | 10.46                       | H                     |
|                           | 4096                 | -56.78          | -13              | -43.78                  | -74.72                  | -64.63                   | 2.10                       | 12.10                       | H                     |
|                           | 1640                 | -56.71          | -13              | -43.71                  | -67.28                  | -62.07                   | 1.22                       | 8.73                        | V                     |
|                           | 2456                 | -29.97          | -13              | -16.97                  | -44.88                  | -36.85                   | 1.43                       | 10.46                       | V                     |
|                           | 4096                 | -53.41          | -13              | -40.41                  | -71.9                   | -61.26                   | 2.10                       | 12.10                       | V                     |

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



| LTE Band 26 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<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) |
| Middle                     | 1640                 | -51.84          | -13              | -38.84                  | -62.54                  | -57.20                   | 1.22                       | 8.73                        | H                     |
|                            | 2456                 | -35.08          | -13              | -22.08                  | -49.64                  | -41.96                   | 1.43                       | 10.46                       | H                     |
|                            | 4096                 | -53.34          | -13              | -40.34                  | -71.28                  | -61.19                   | 2.10                       | 12.10                       | H                     |
|                            | 1640                 | -55.33          | -13              | -42.33                  | -65.9                   | -60.69                   | 1.22                       | 8.73                        | V                     |
|                            | 2456                 | -29.34          | -13              | -16.34                  | -44.25                  | -36.22                   | 1.43                       | 10.46                       | V                     |
|                            | 4096                 | -51.31          | -13              | -38.31                  | -69.8                   | -59.16                   | 2.10                       | 12.10                       | V                     |

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

| LTE Band 26 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<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                     | 1656                 | -58.73          | -13              | -45.73                  | -69.46                  | -64.14                   | 1.23                       | 8.79                        | H                     |
|                            | 2488                 | -38.81          | -13              | -25.81                  | -53.3                   | -45.71                   | 1.44                       | 10.49                       | H                     |
|                            | 4144                 | -56.48          | -13              | -43.48                  | -74.39                  | -64.35                   | 2.08                       | 12.10                       | H                     |
|                            | 1656                 | -56.41          | -13              | -43.41                  | -67.01                  | -61.82                   | 1.23                       | 8.79                        | V                     |
|                            | 2488                 | -34.68          | -13              | -21.68                  | -49.41                  | -41.58                   | 1.44                       | 10.49                       | V                     |
|                            | 4144                 | -56.82          | -13              | -43.82                  | -75.33                  | -64.69                   | 2.08                       | 12.10                       | V                     |

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