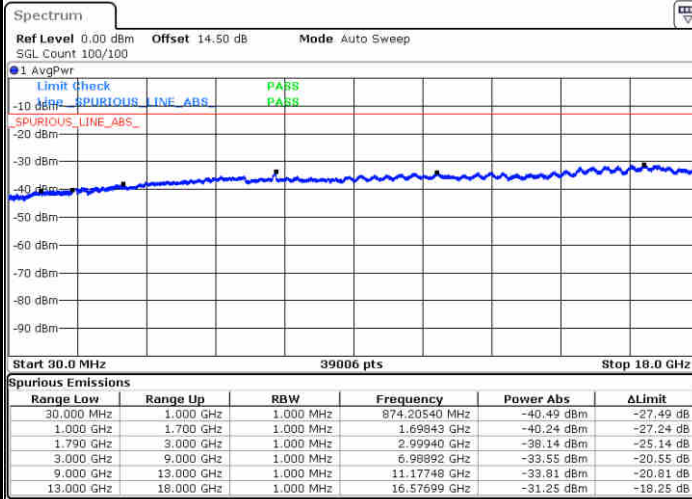


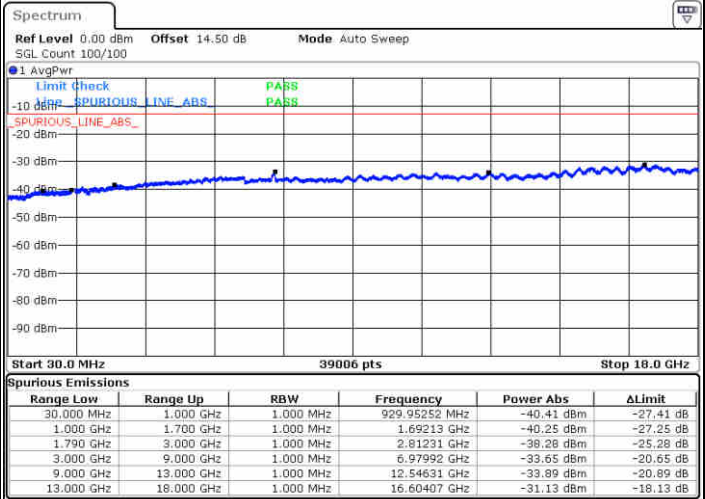


## LTE Band 66 / 1.4MHz

## Highest Channel / QPSK

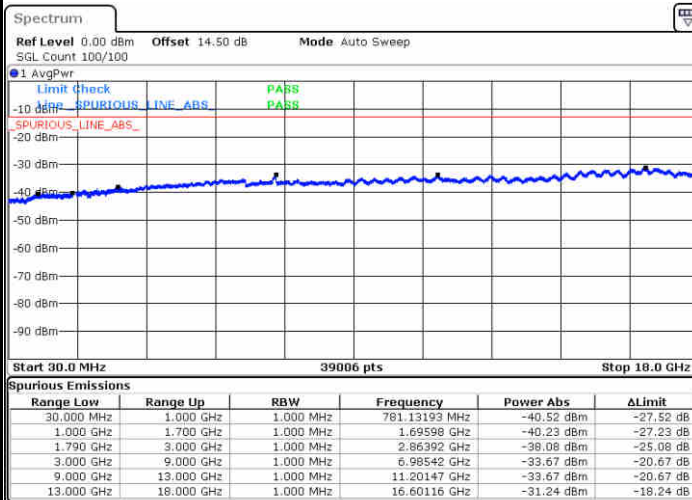


## Highest Channel / 16QAM

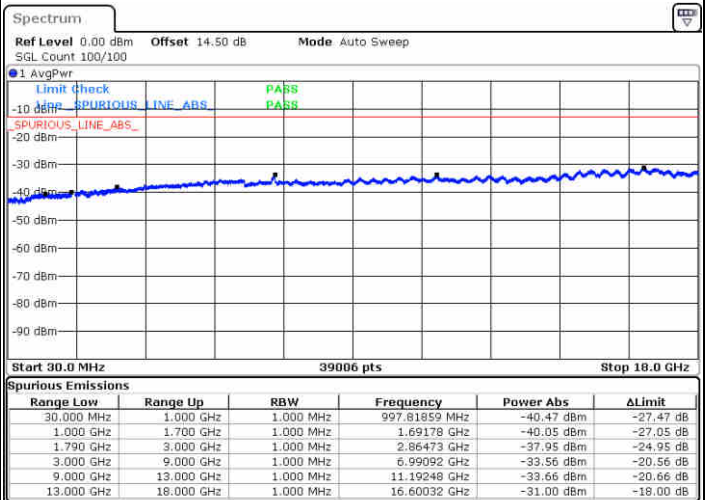


## LTE Band 66 / 3MHz

## Lowest Channel / QPSK



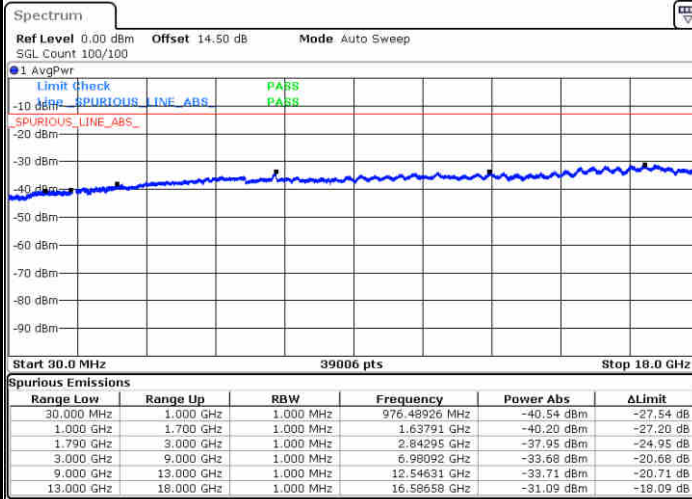
## Lowest Channel / 16QAM



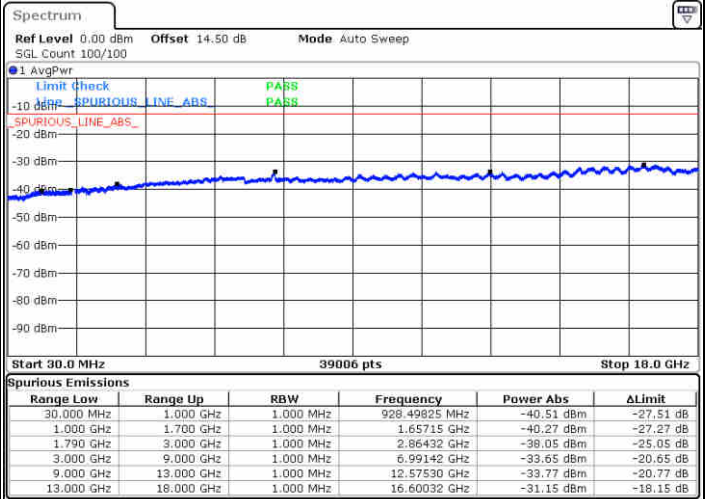


## LTE Band 66 / 3MHz

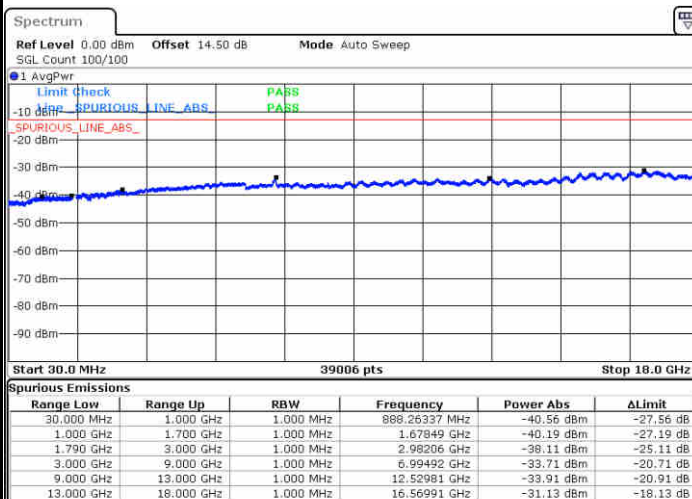
## Middle Channel / QPSK



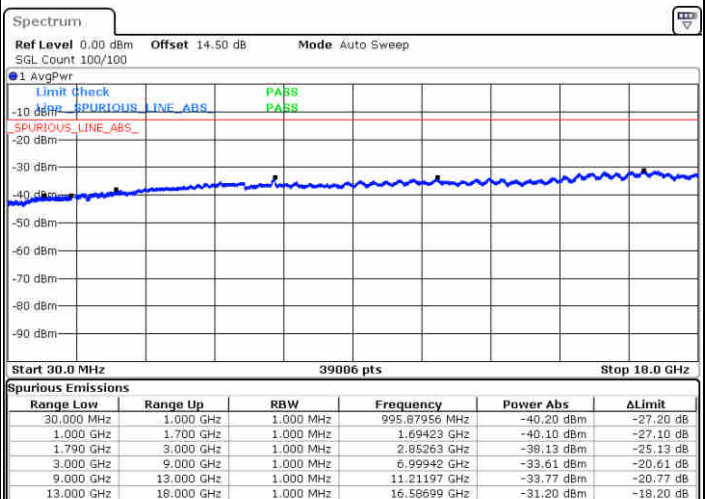
## Middle Channel / 16QAM



## Highest Channel / QPSK



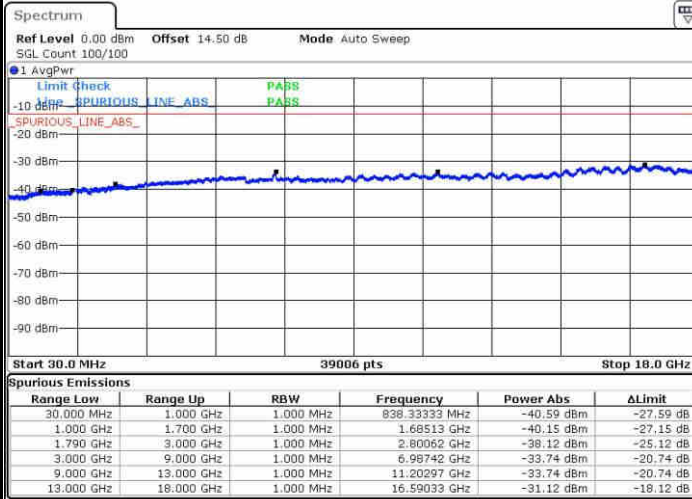
## Highest Channel / 16QAM



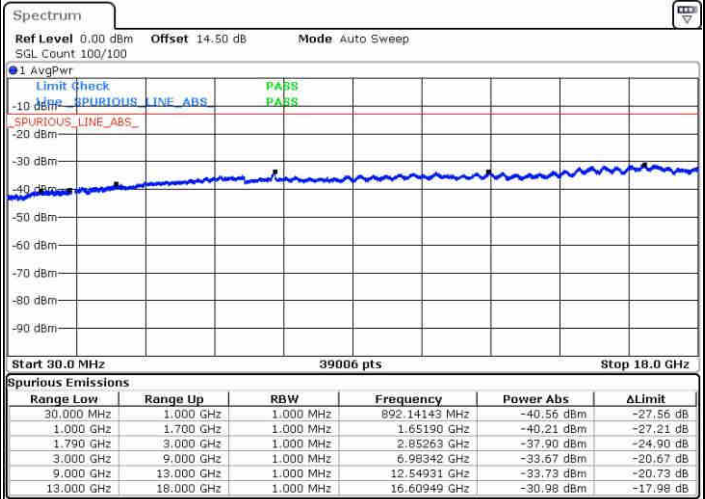


## LTE Band 66 / 5MHz

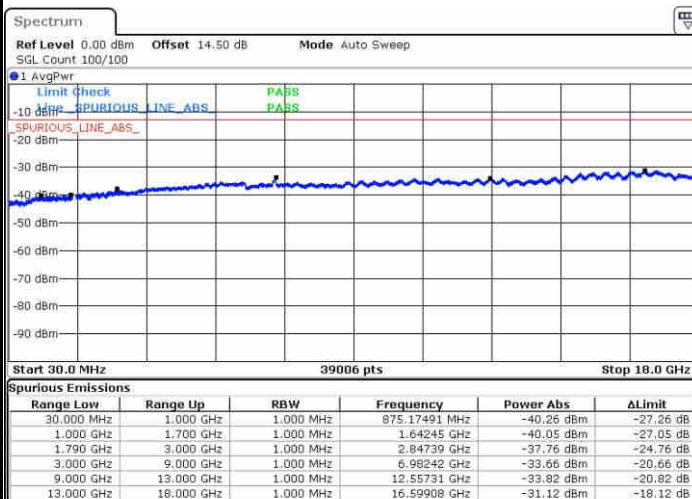
## Lowest Channel / QPSK



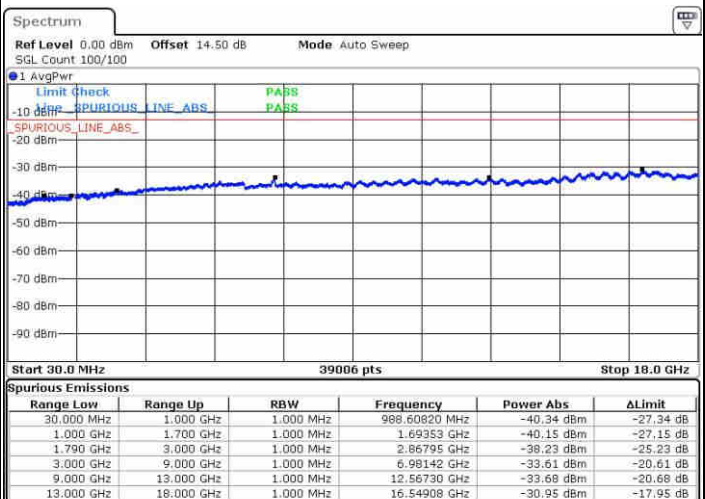
## Lowest Channel / 16QAM



## Middle Channel / QPSK



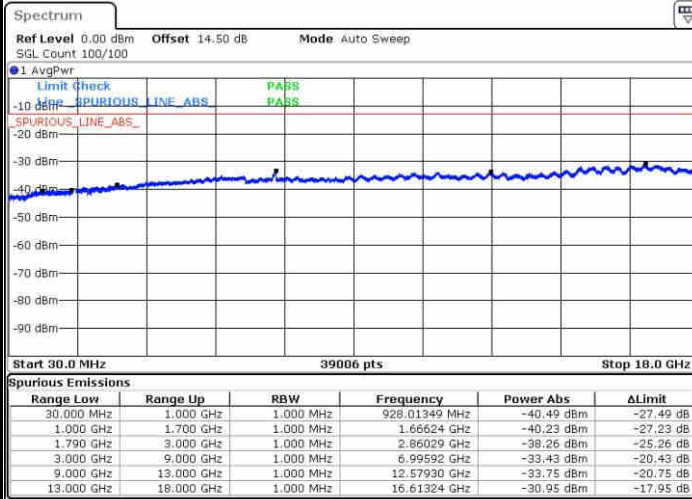
## Middle Channel / 16QAM



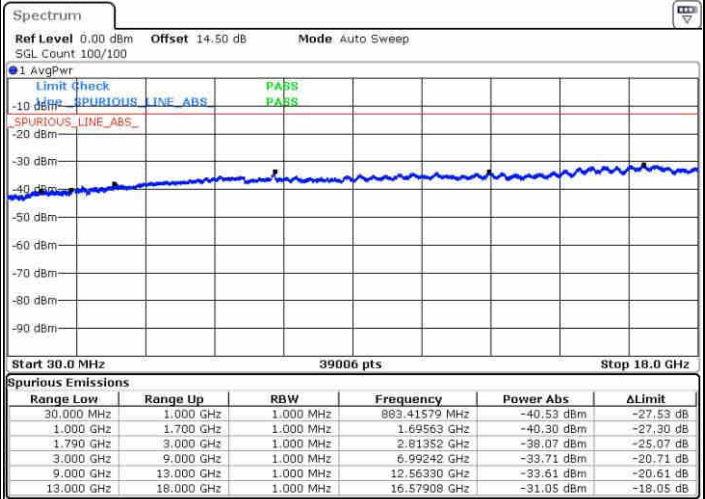


## LTE Band 66 / 5MHz

## Highest Channel / QPSK

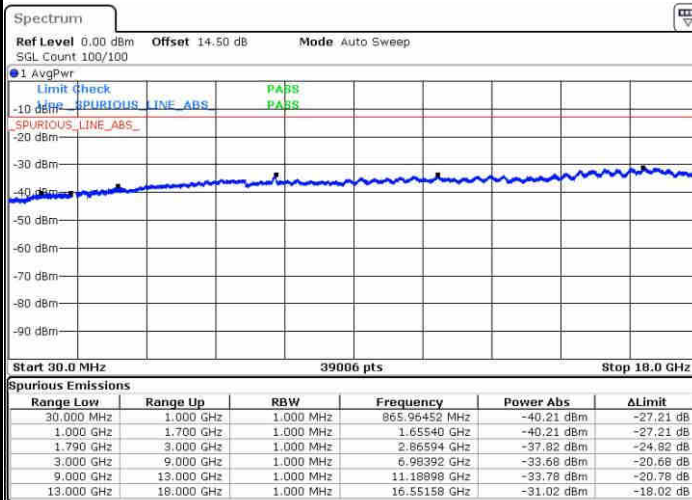


## Highest Channel / 16QAM

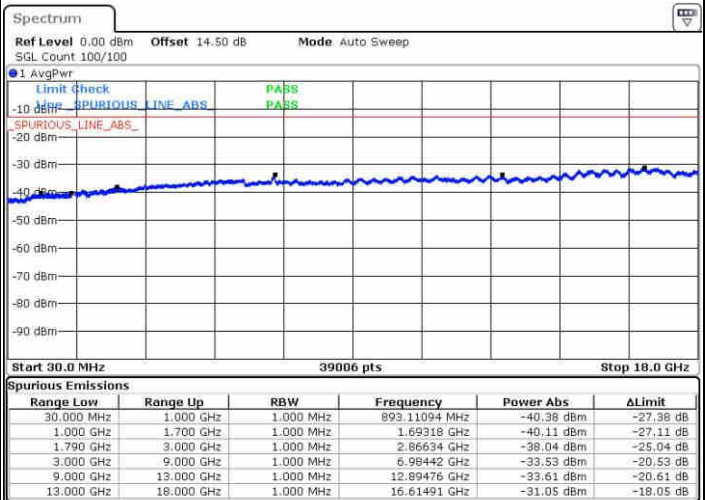


## LTE Band 66 / 10MHz

## Lowest Channel / QPSK



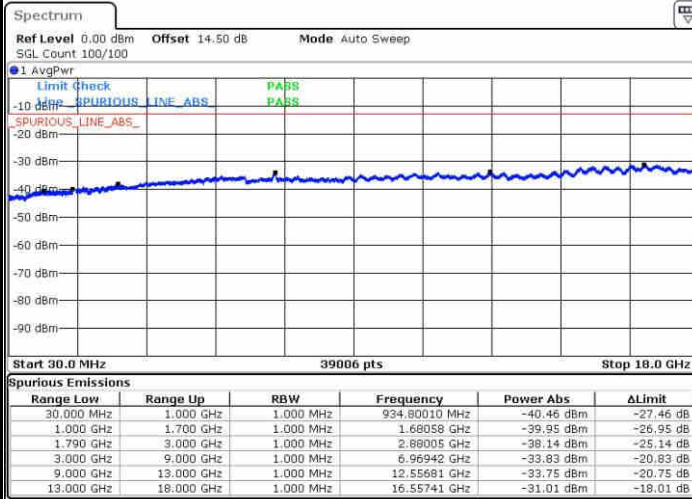
## Lowest Channel / 16QAM



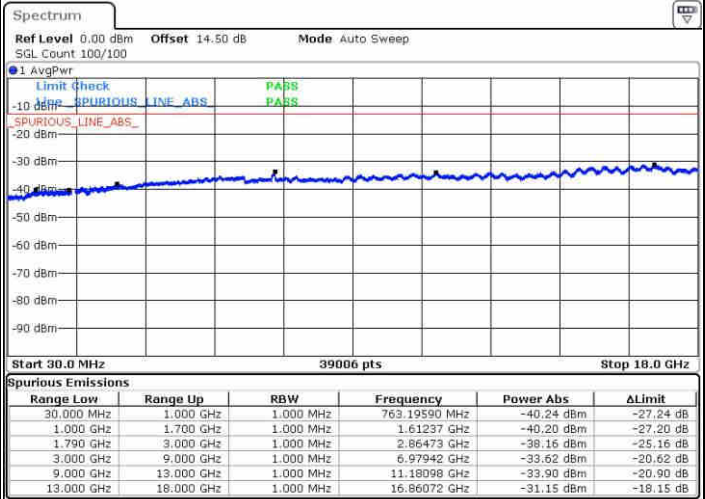


## LTE Band 66 / 10MHz

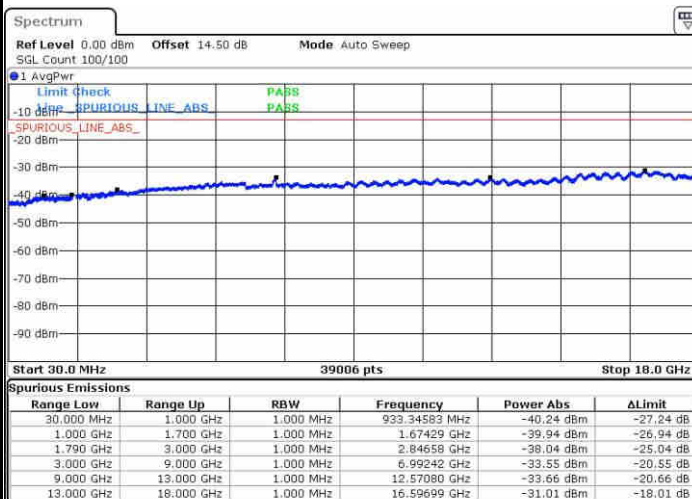
## Middle Channel / QPSK



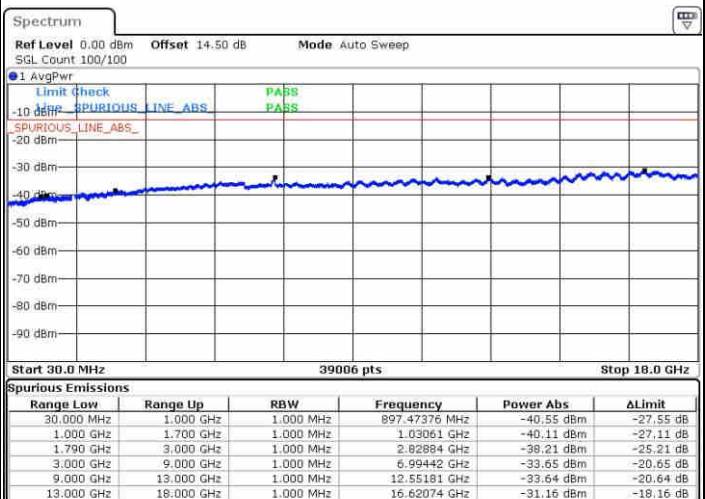
## Middle Channel / 16QAM



## Highest Channel / QPSK



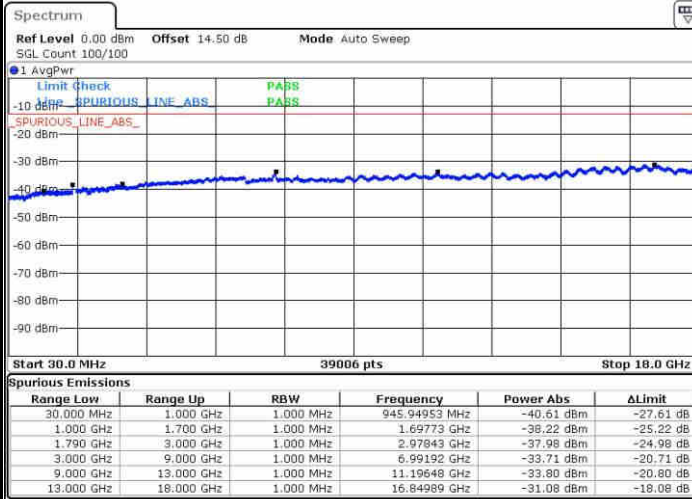
## Highest Channel / 16QAM



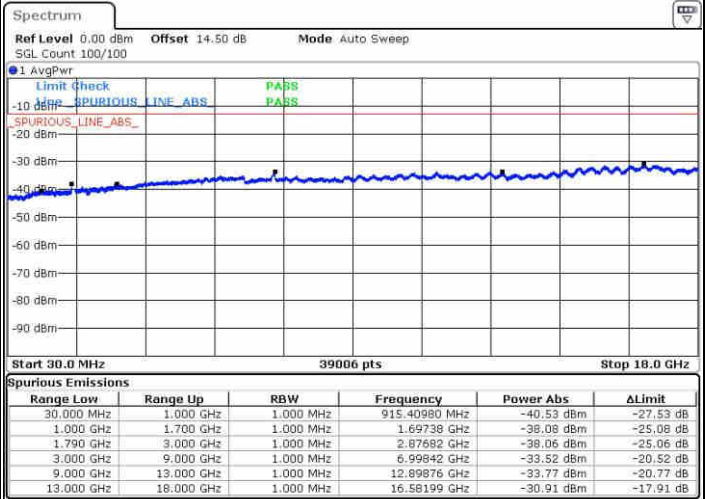


## LTE Band 66 / 15MHz

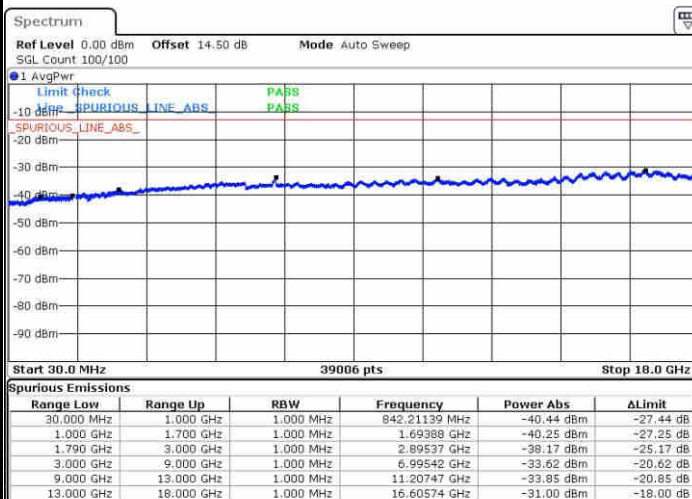
## Lowest Channel / QPSK



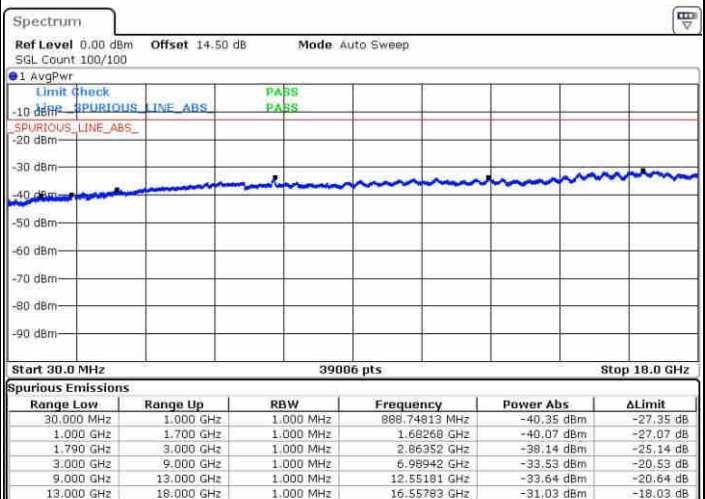
## Lowest Channel / 16QAM



## Middle Channel / QPSK



## Middle Channel / 16QAM

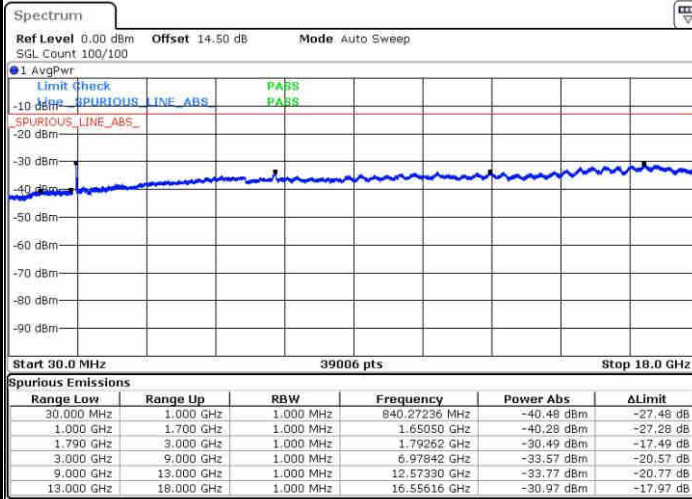




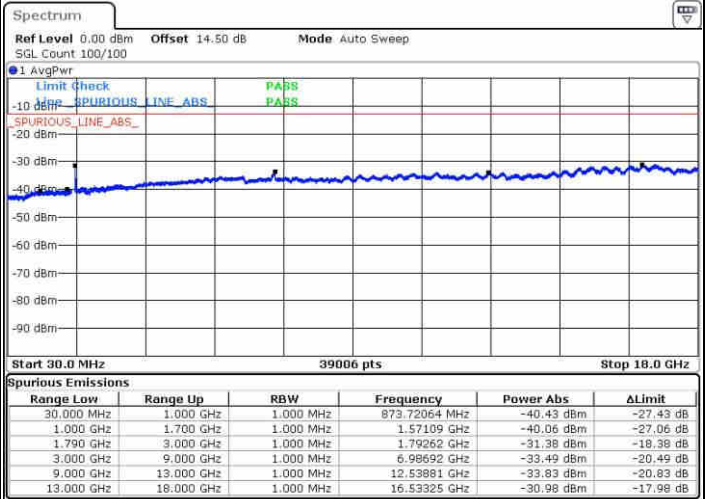


## LTE Band 66 / 15MHz

## Highest Channel / QPSK

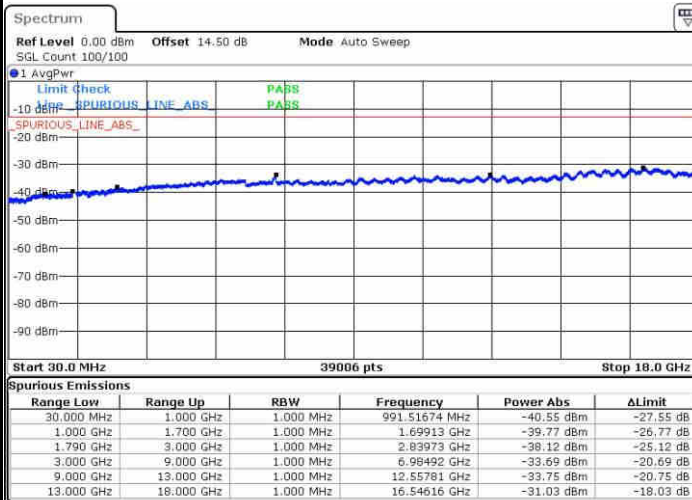


## Highest Channel / 16QAM

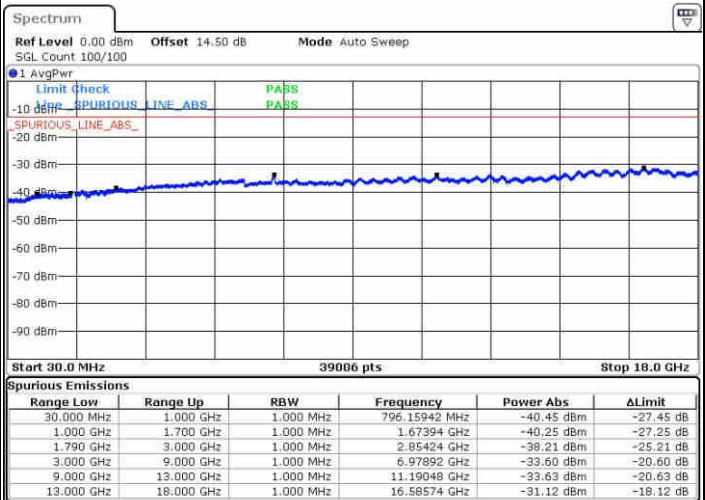


## LTE Band 66 / 20MHz

## Lowest Channel / QPSK



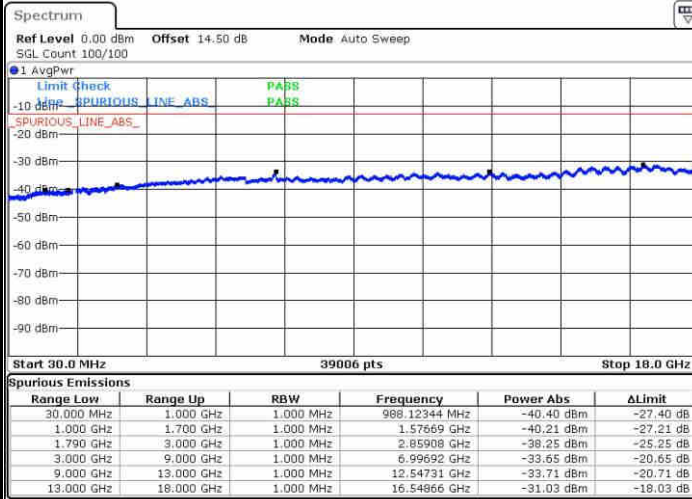
## Lowest Channel / 16QAM



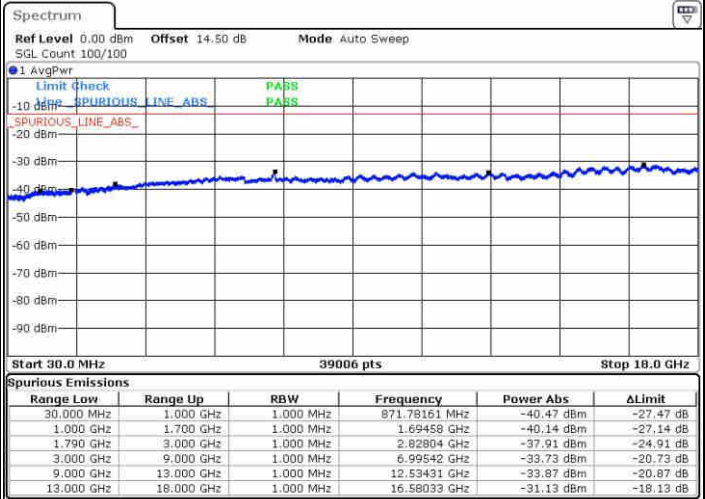


## LTE Band 66 / 20MHz

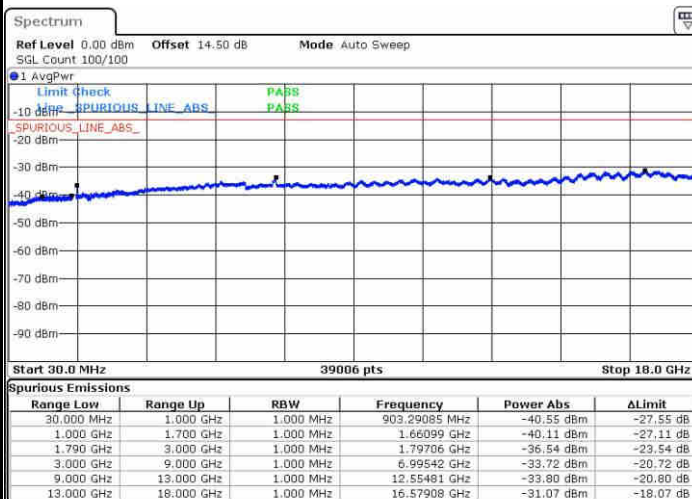
## Middle Channel / QPSK



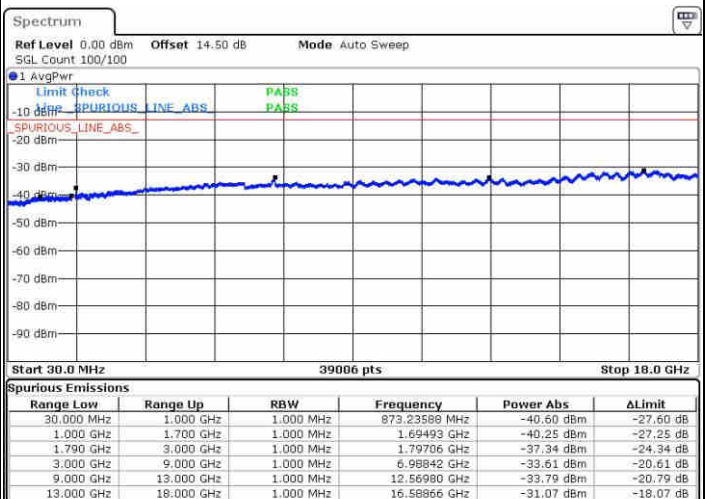
## Middle Channel / 16QAM



## Highest Channel / QPSK



## Highest Channel / 16QAM

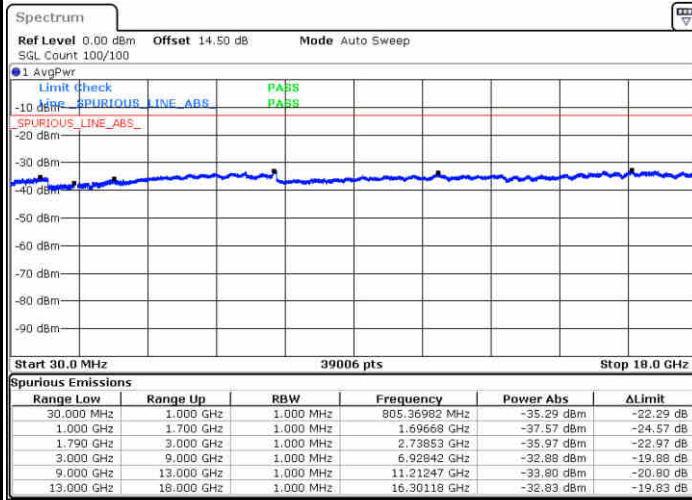






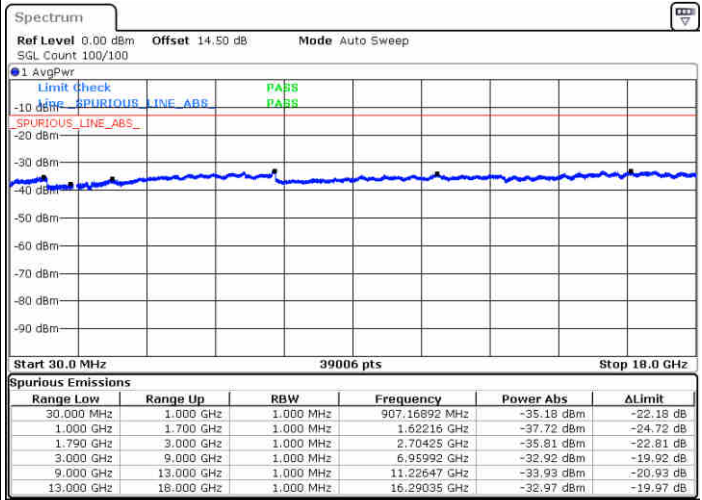
## LTE Band 66 / 1.4MHz

## Lowest Channel / 64QAM



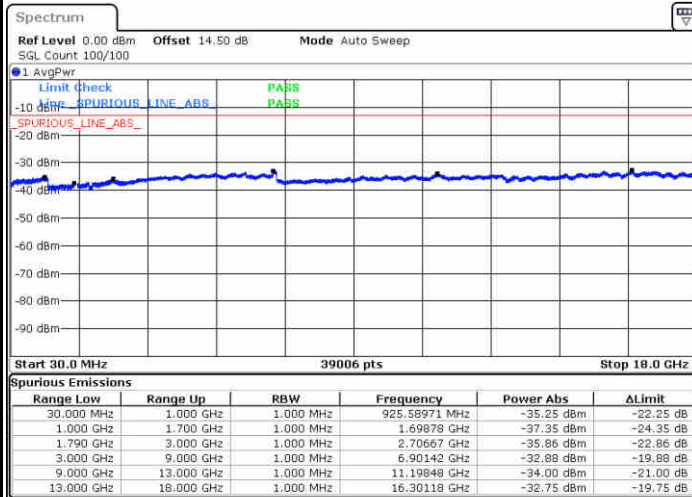
Date: 29 MAY 2019 16:02:29

## Middle Channel / 64QAM



Date: 29 MAY 2019 16:09:25

## Highest Channel / 64QAM



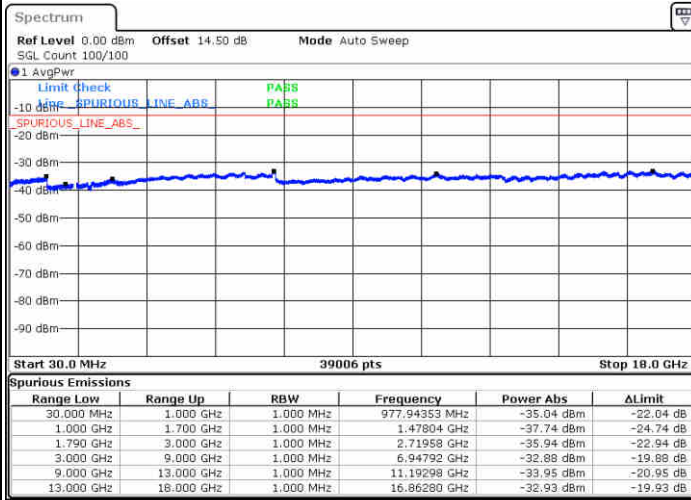
Date: 29 MAY 2019 16:15:46



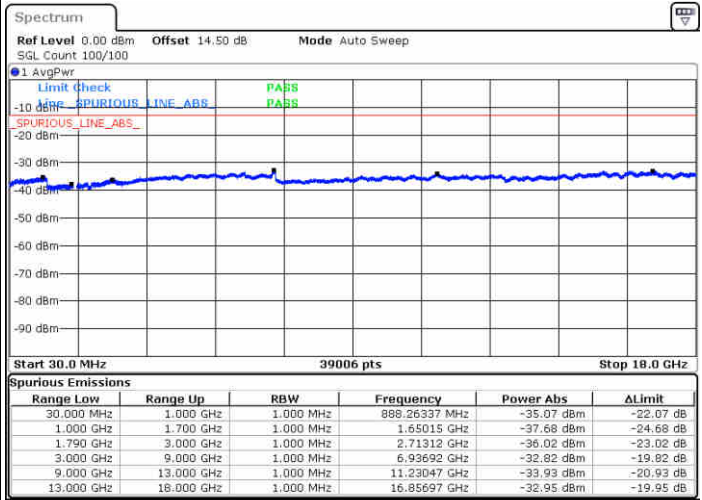
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM

## Middle Channel / 64QAM

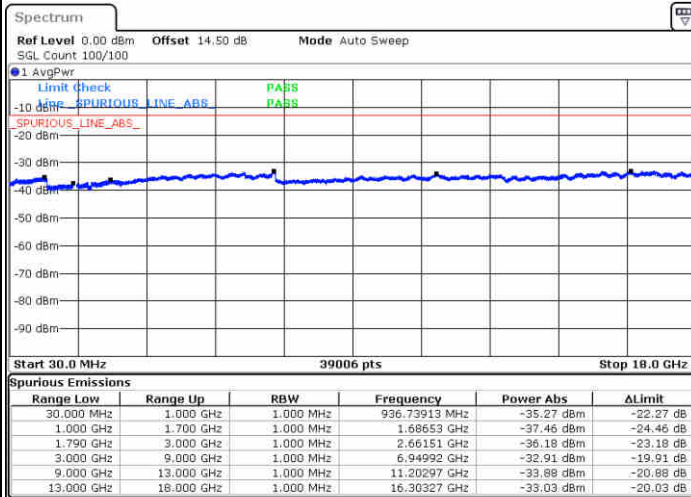


Date: 29 MAY 2019 16:35:11



Date: 29 MAY 2019 16:36:07

## Highest Channel / 64QAM

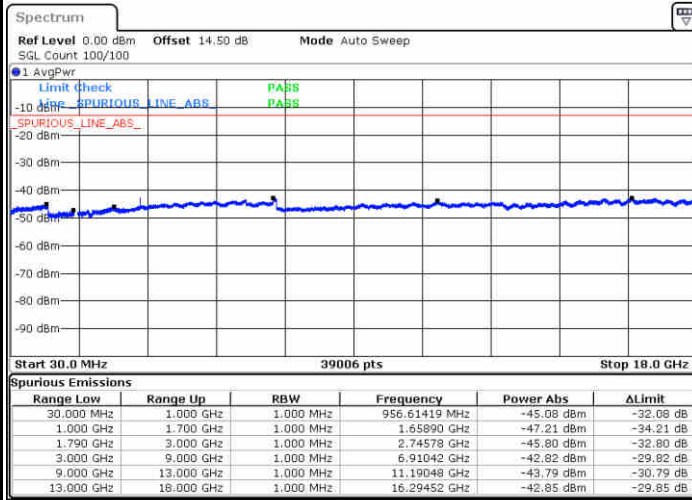


Date: 29 MAY 2019 16:40:45



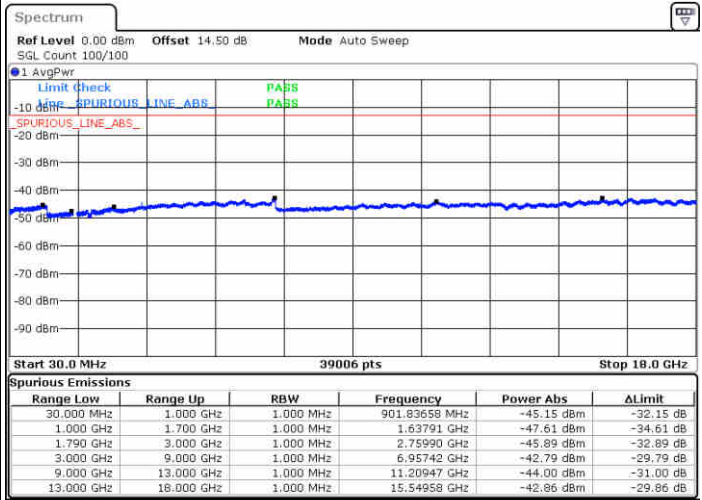
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



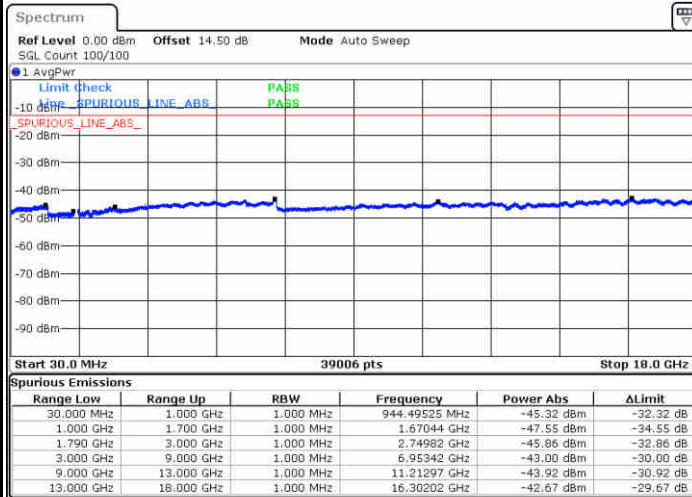
Date: 29 MAY 2019 16:50:55

## Middle Channel / 64QAM



Date: 29 MAY 2019 16:54:17

## Highest Channel / 64QAM

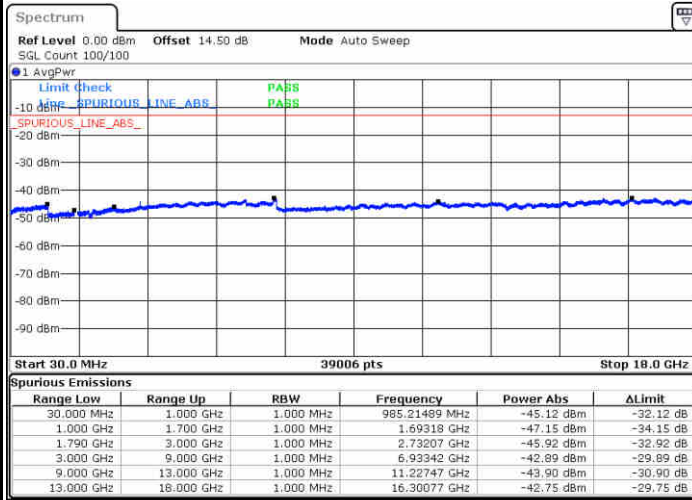


Date: 29 MAY 2019 16:55:40



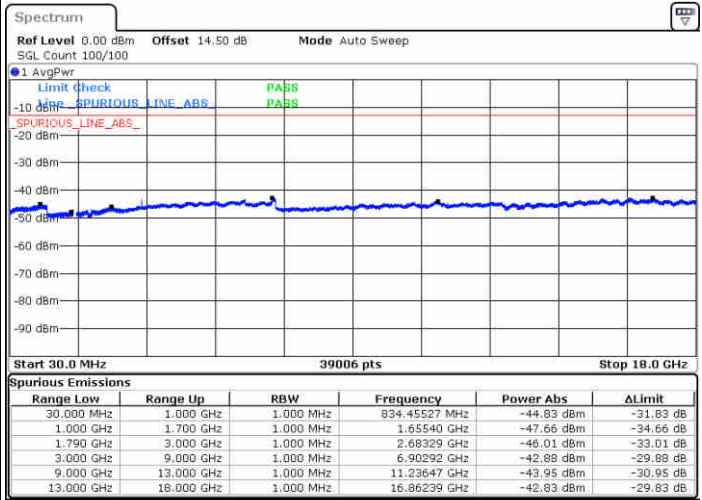
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



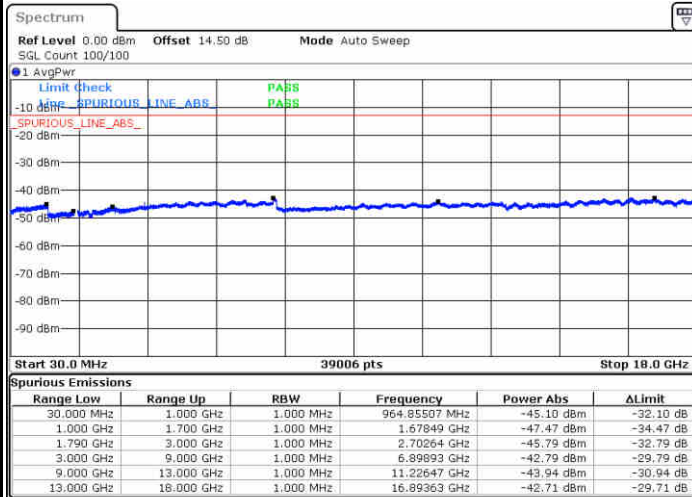
Date: 29 MAY 2019 17:07:13

## Middle Channel / 64QAM



Date: 29 MAY 2019 17:08:12

## Highest Channel / 64QAM

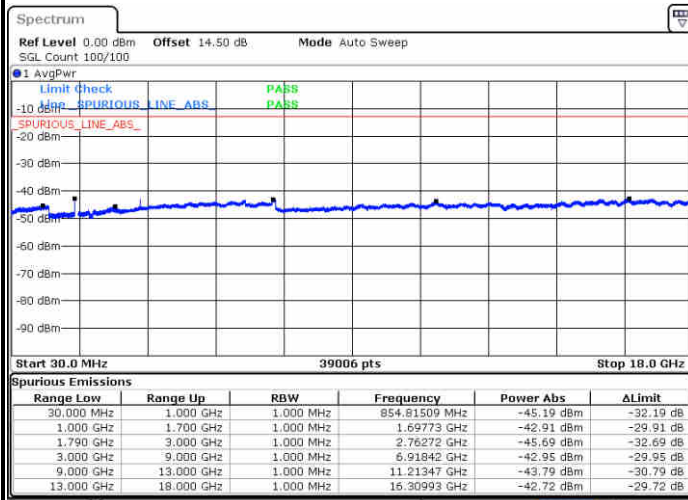


Date: 29 MAY 2019 17:12:39



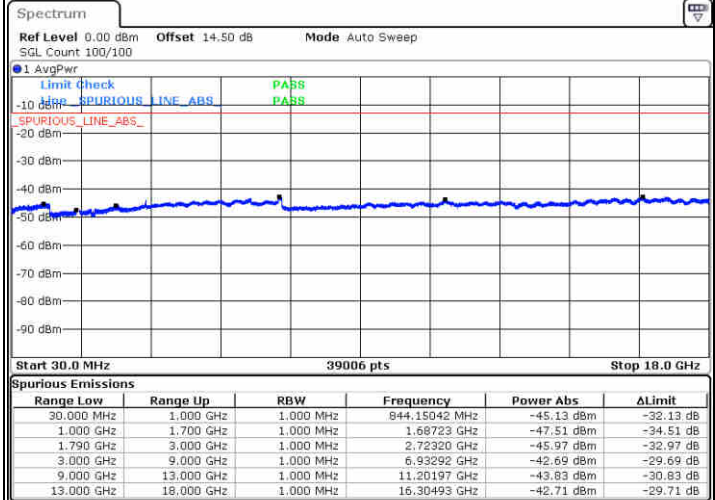
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



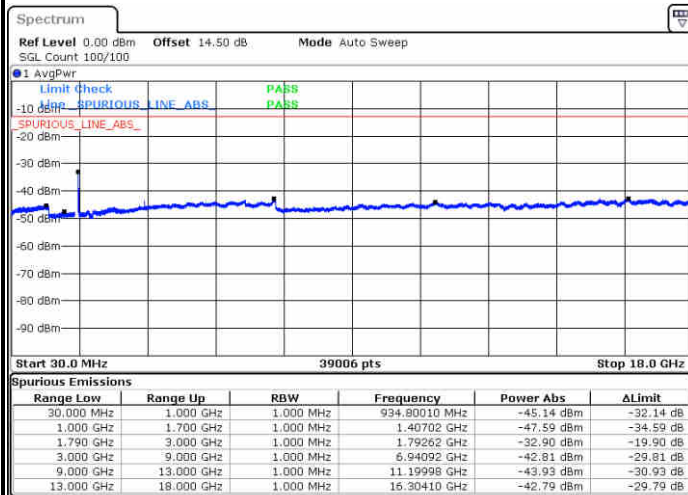
Date: 29 MAY 2019 17:17:13

## Middle Channel / 64QAM



Date: 29 MAY 2019 17:25:35

## Highest Channel / 64QAM

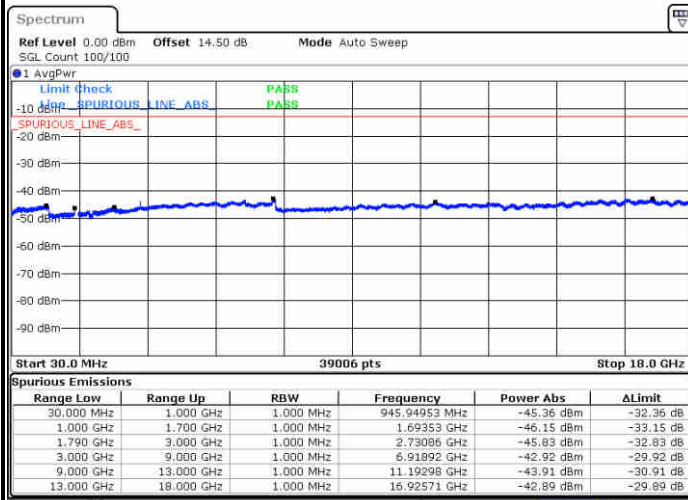


Date: 29 MAY 2019 17:55:14



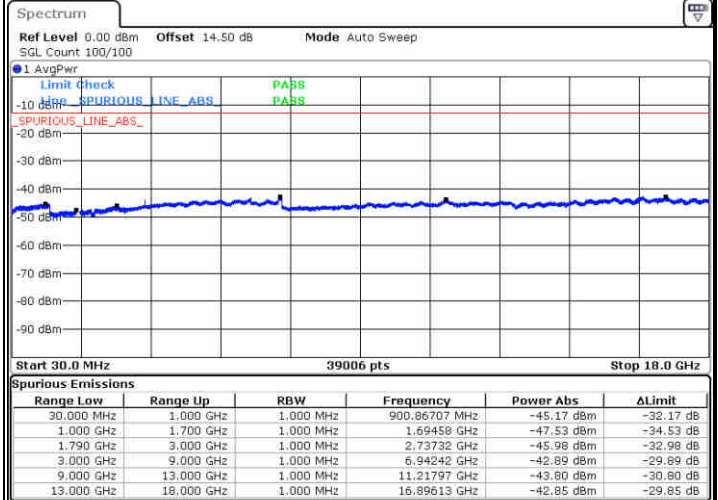
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



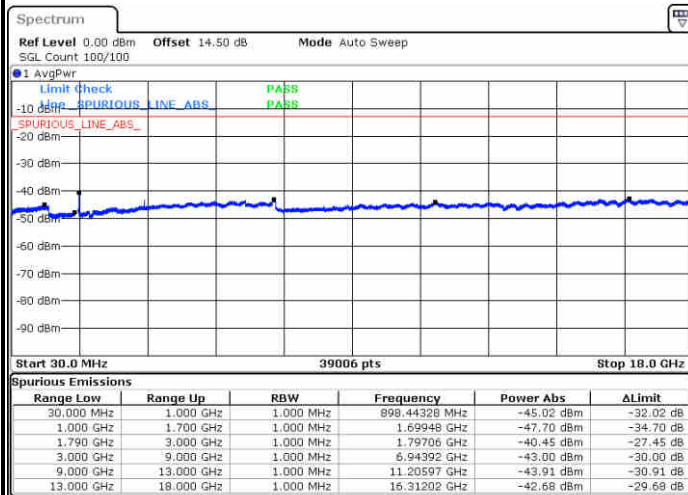
Date: 29 MAY 2019 18:46:52

## Middle Channel / 64QAM



Date: 29 MAY 2019 18:51:40

## Highest Channel / 64QAM



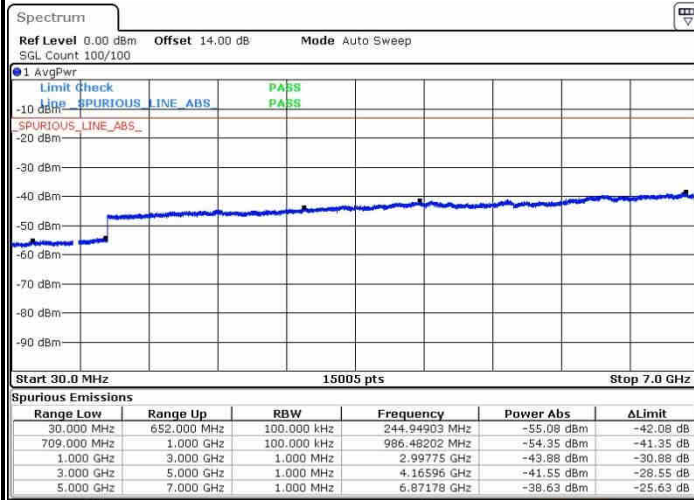
Date: 29 MAY 2019 18:56:22





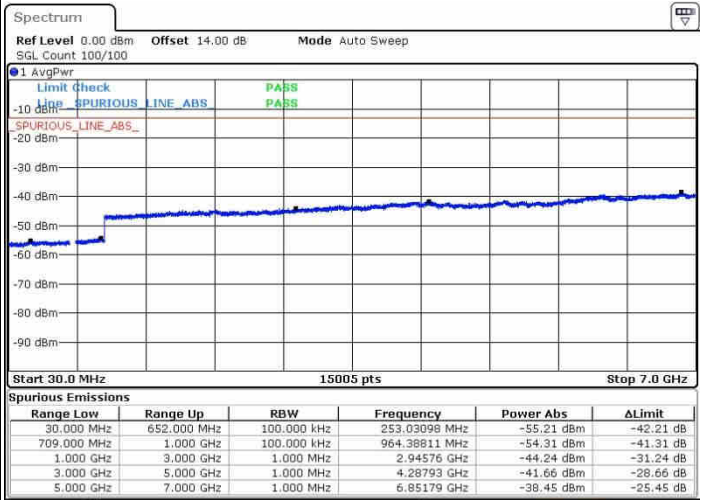
## LTE Band 71 / 5MHz

## Lowest Channel / QPSK



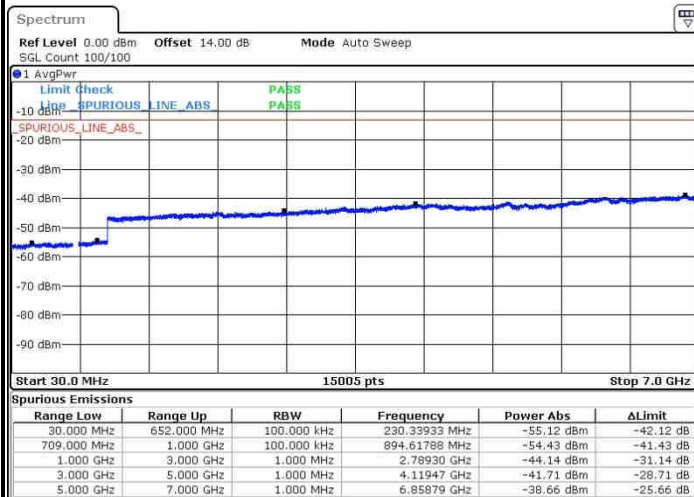
Date: 1.MAY.2019 06:47:46

## Lowest Channel / 16QAM



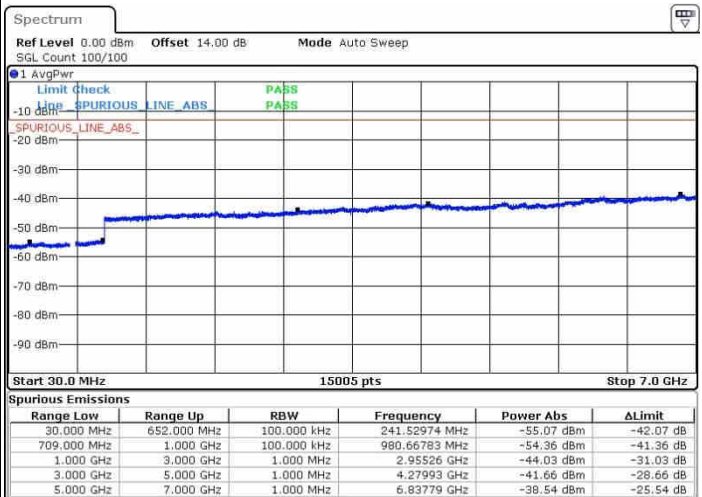
Date: 1.MAY.2019 06:39:41

## Middle Channel / QPSK



Date: 1.MAY.2019 07:00:05

## Middle Channel / 16QAM

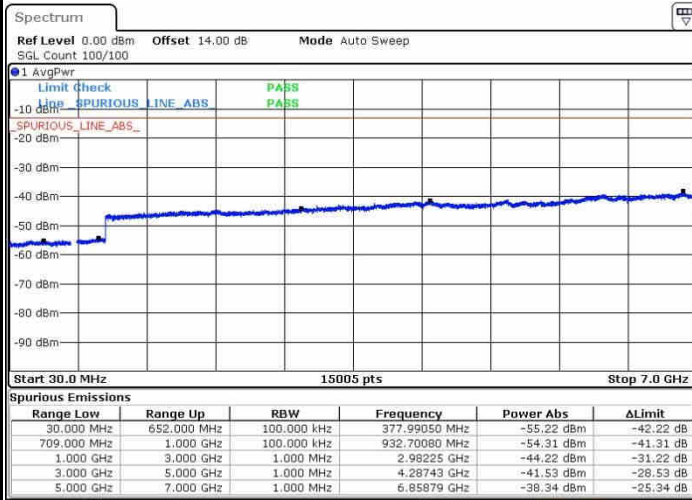


Date: 1.MAY.2019 07:01:13



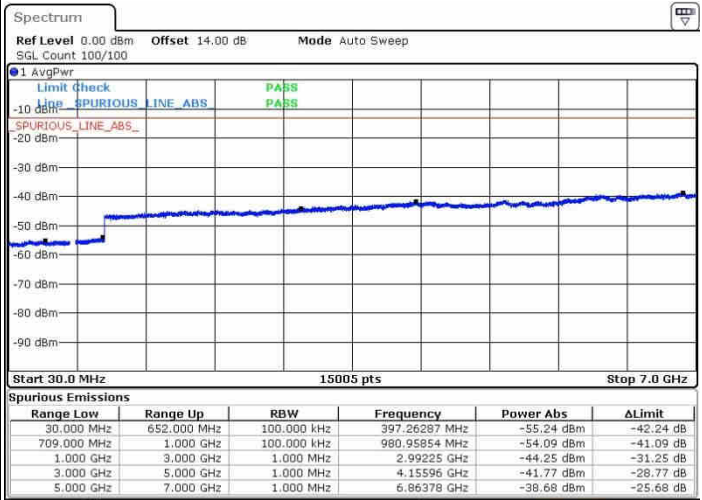
## LTE Band 71 / 5MHz

## Highest Channel / QPSK



Date: 1.MAY.2019 07:10:38

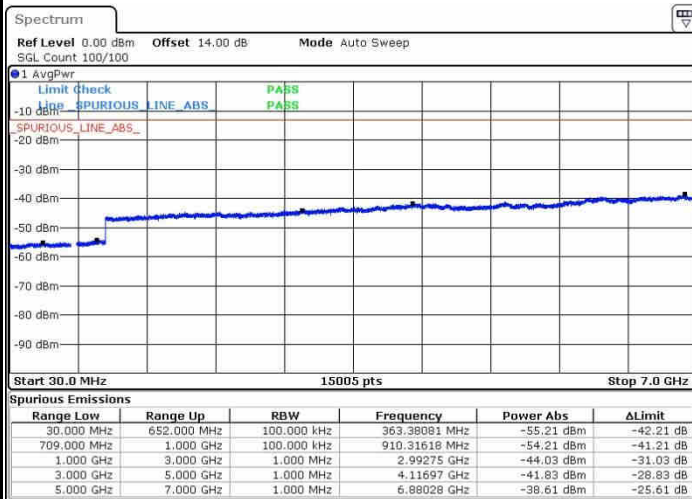
## Highest Channel / 16QAM



Date: 1.MAY.2019 07:09:56

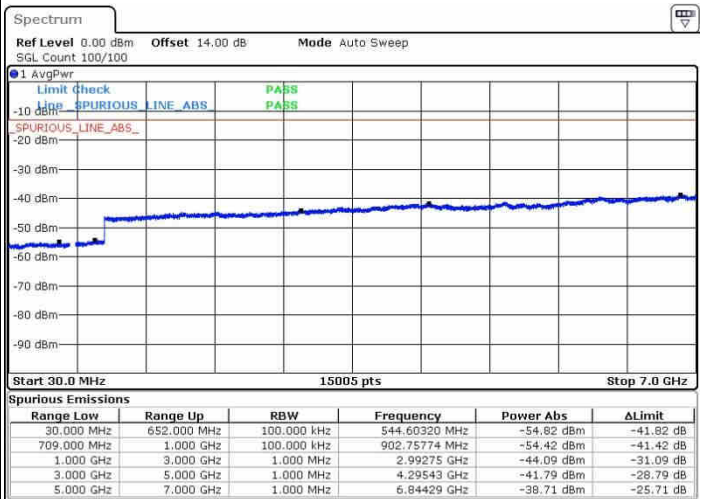
## LTE Band 71 / 10MHz

## Lowest Channel / QPSK



Date: 1.MAY.2019 07:35:37

## Lowest Channel / 16QAM

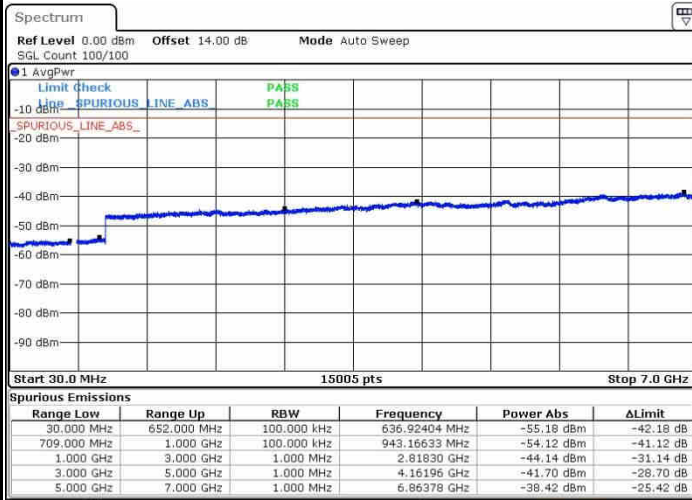


Date: 1.MAY.2019 07:34:14



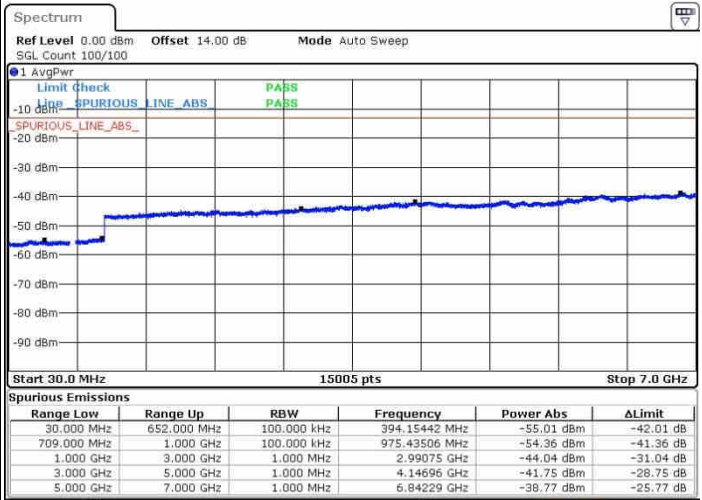
## LTE Band 71 / 10MHz

## Middle Channel / QPSK



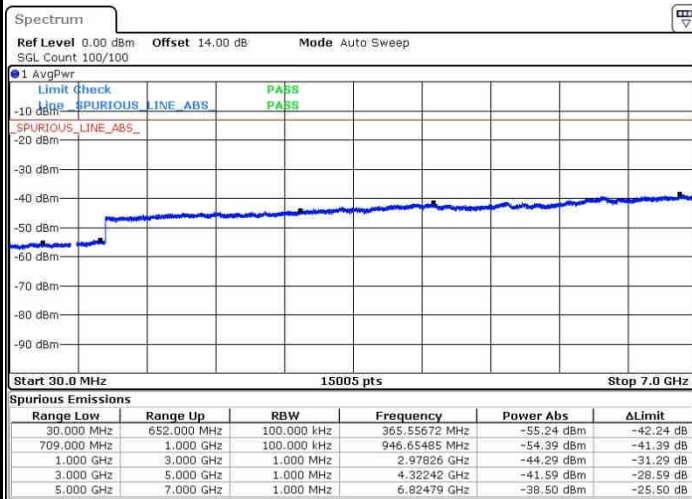
Date: 1.MAY.2019 07:37:41

## Middle Channel / 16QAM



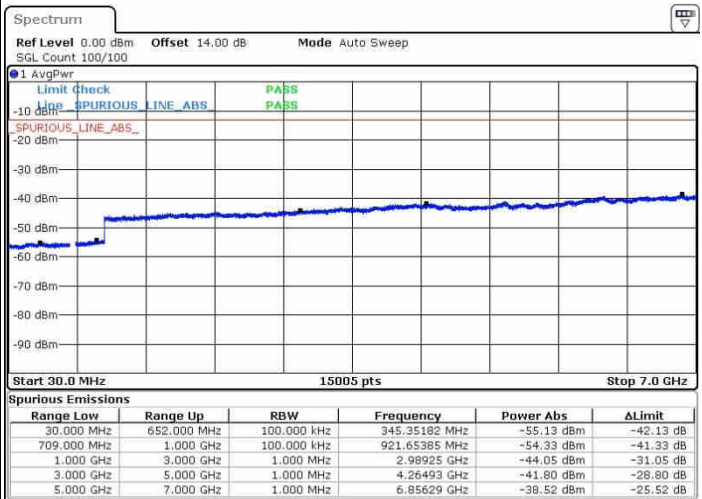
Date: 1.MAY.2019 07:38:40

## Highest Channel / QPSK



Date: 1.MAY.2019 07:47:59

## Highest Channel / 16QAM

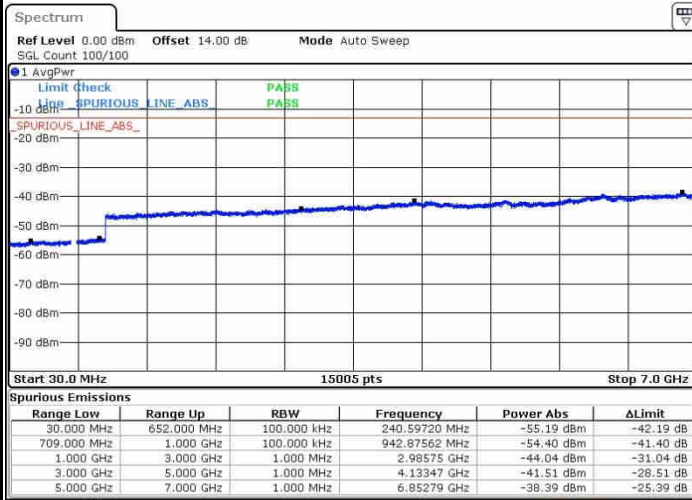


Date: 1.MAY.2019 07:47:04



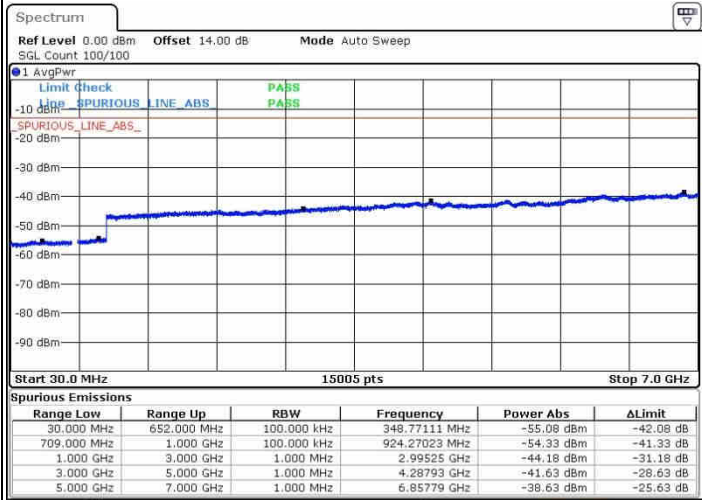
## LTE Band 71 / 15MHz

## Lowest Channel / QPSK



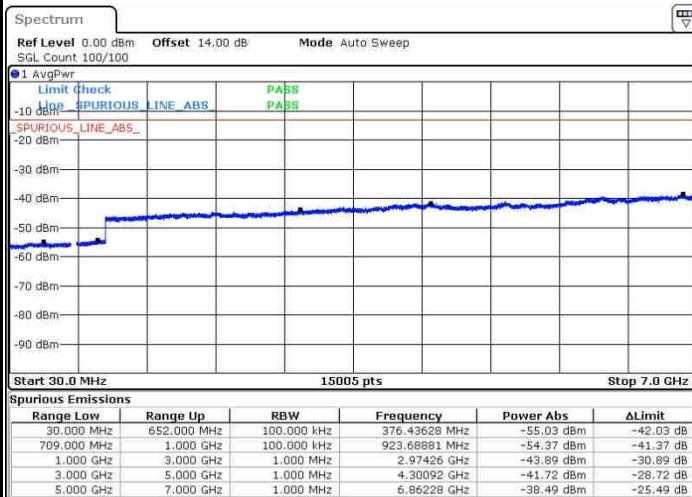
Date: 1.MAY.2019 08:10:02

## Lowest Channel / 16QAM



Date: 1.MAY.2019 08:04:17

## Middle Channel / QPSK



Date: 1.MAY.2019 08:23:14

## Middle Channel / 16QAM

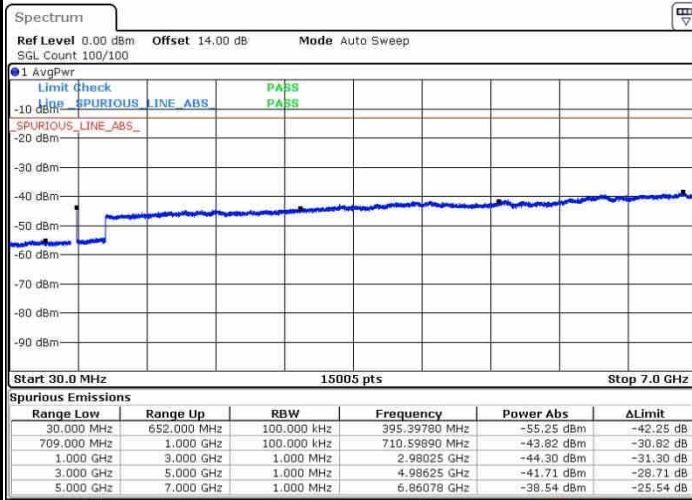


Date: 1.MAY.2019 08:23:54



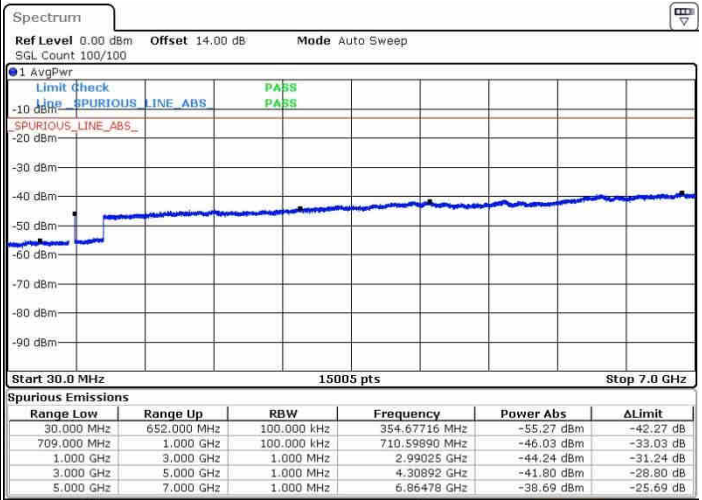
## LTE Band71 / 15MHz

## Highest Channel / QPSK



Date: 1.MAY.2019 08:35:16

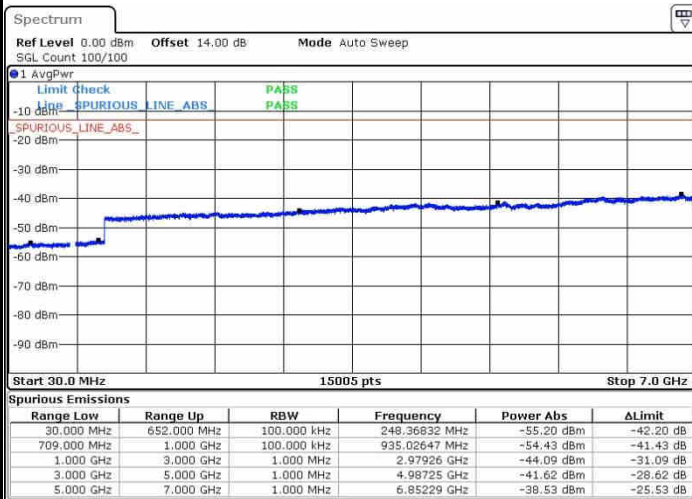
## Highest Channel / 16QAM



Date: 1.MAY.2019 08:34:32

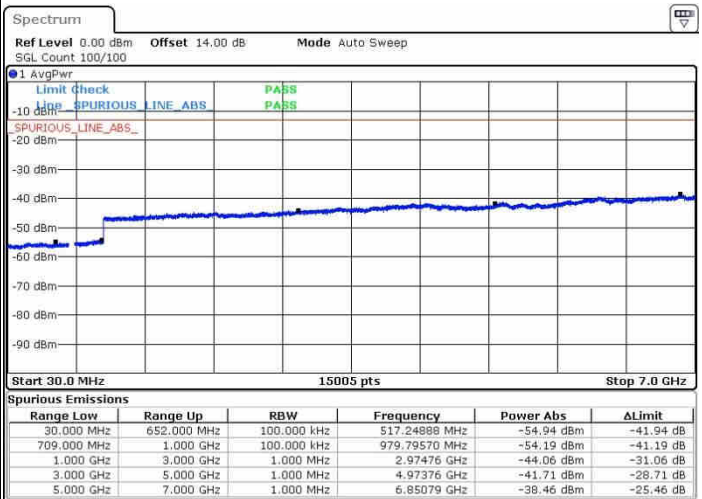
## LTE Band 71 / 20MHz

## Lowest Channel / QPSK



Date: 1.MAY.2019 09:12:08

## Lowest Channel / 16QAM

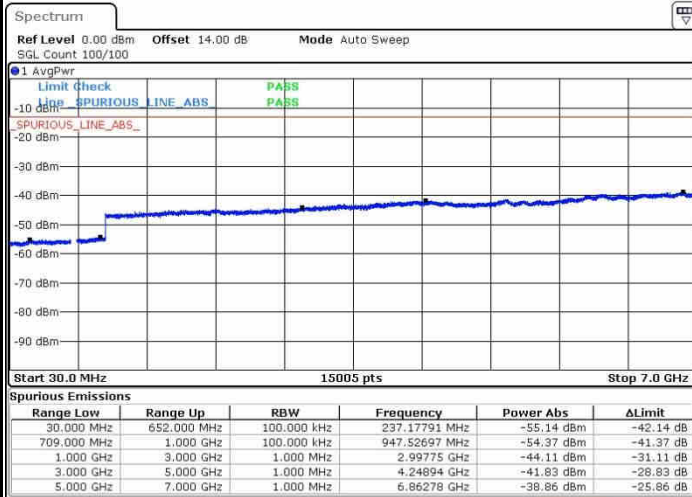


Date: 1.MAY.2019 09:05:52



## LTE Band 71 / 20MHz

## Middle Channel / QPSK



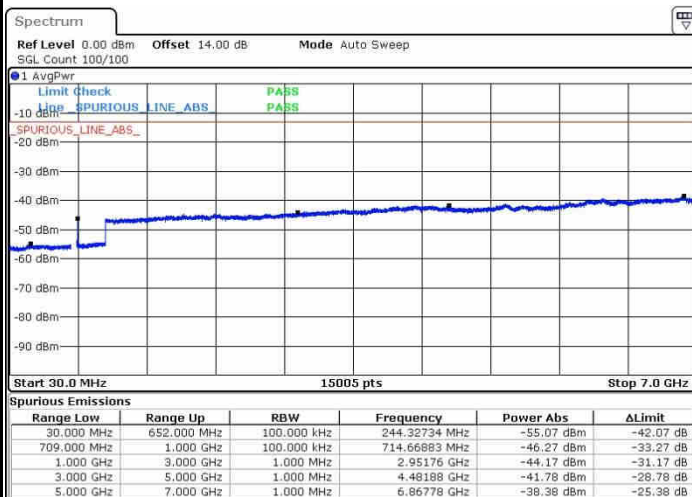
Date: 1.MAY.2019 09:14:08

## Middle Channel / 16QAM



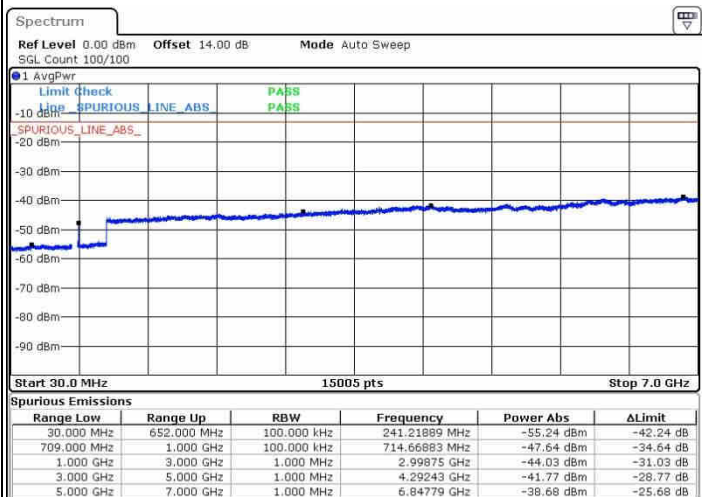
Date: 1.MAY.2019 09:14:56

## Highest Channel / QPSK



Date: 1.MAY.2019 09:23:47

## Highest Channel / 16QAM



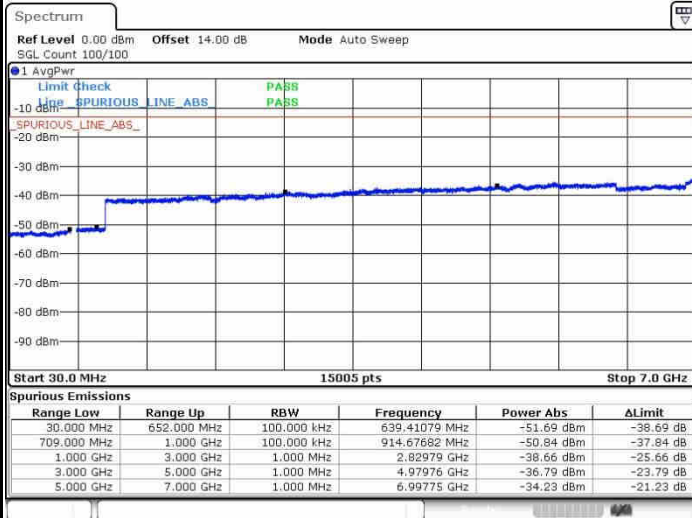
Date: 1.MAY.2019 09:23:03





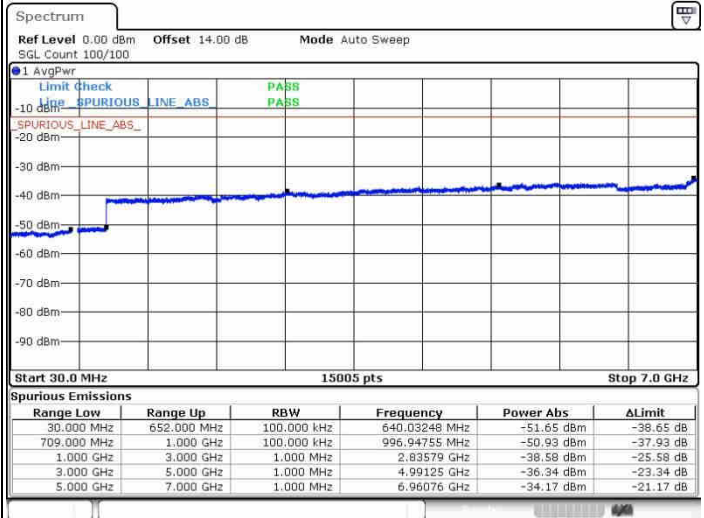
## LTE Band 71 / 5MHz

## Lowest Channel / 64QAM



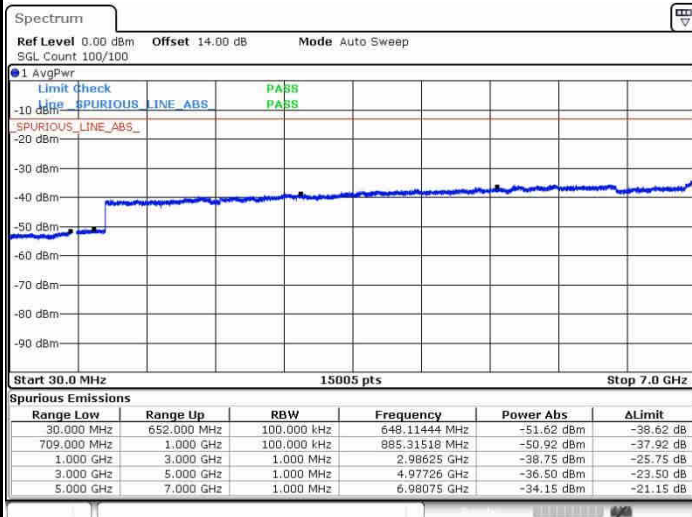
Date: 29.MAY.2019 20:53:36

## Middle Channel / 64QAM



Date: 29.MAY.2019 20:55:06

## Highest Channel / 64QAM

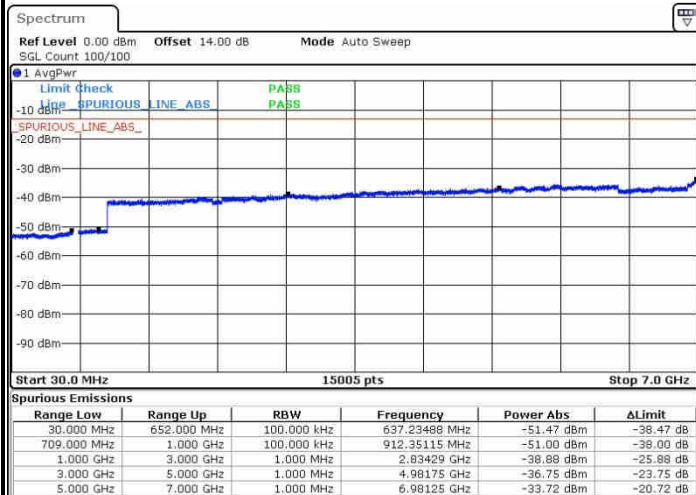


Date: 29.MAY.2019 21:17:26



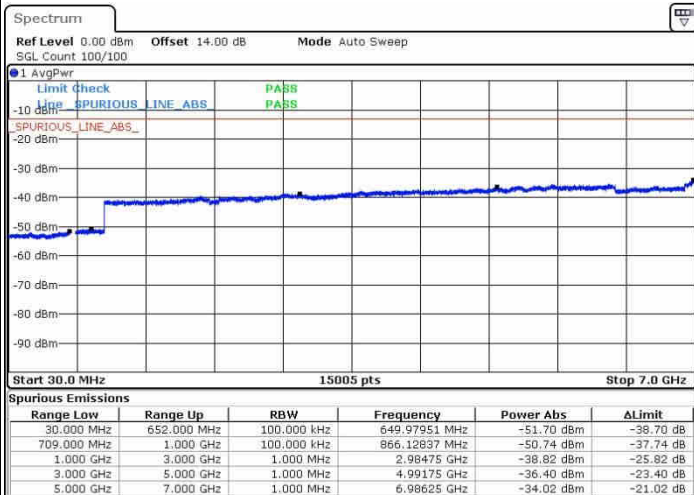
## LTE Band 71 / 10MHz

## Lowest Channel / 64QAM



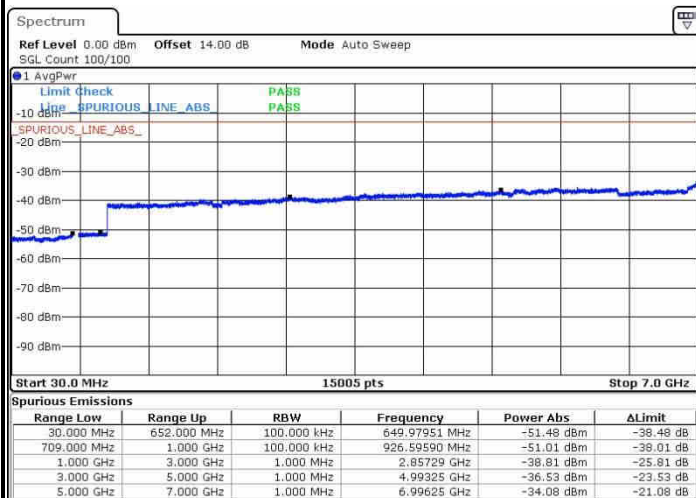
Date: 29.MAY.2019 21:21:55

## Middle Channel / 64QAM



Date: 29.MAY.2019 21:25:04

## Highest Channel / 64QAM

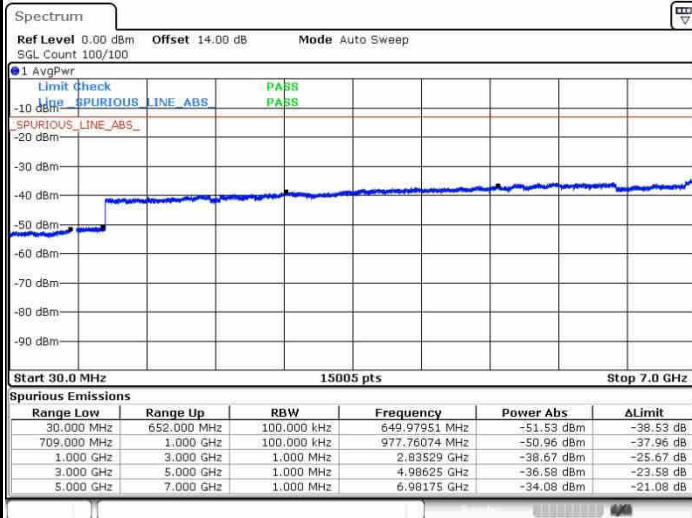


Date: 29.MAY.2019 21:37:07



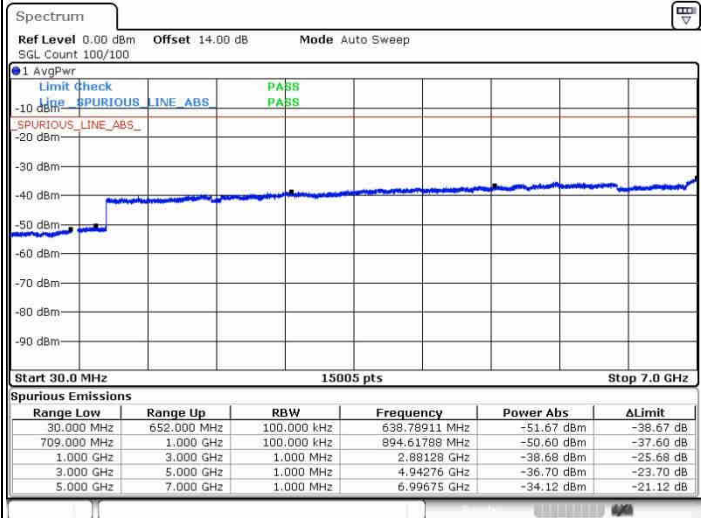
## LTE Band 71 / 15MHz

## Lowest Channel / 64QAM



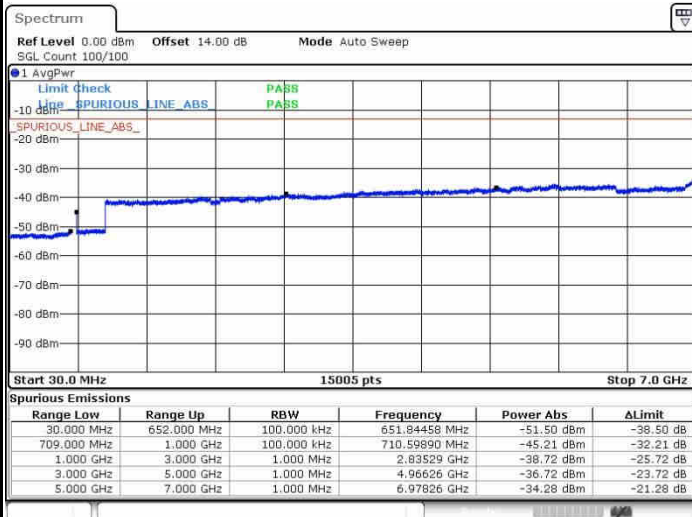
Date: 29.MAY.2019 22:02:08

## Middle Channel / 64QAM



Date: 29.MAY.2019 22:00:44

## Highest Channel / 64QAM

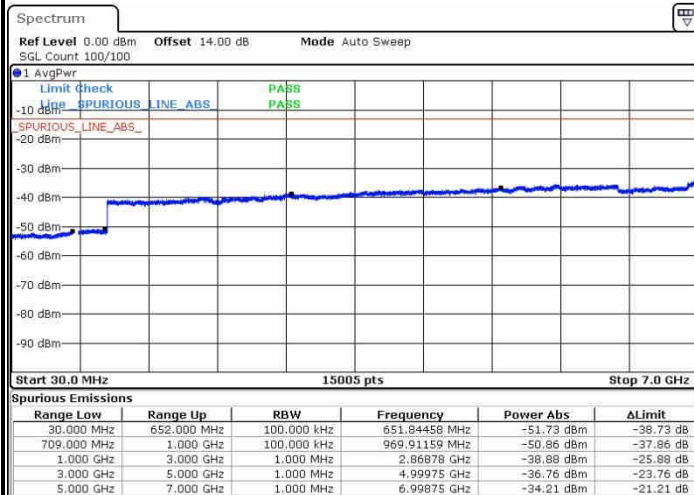


Date: 29.MAY.2019 22:09:09



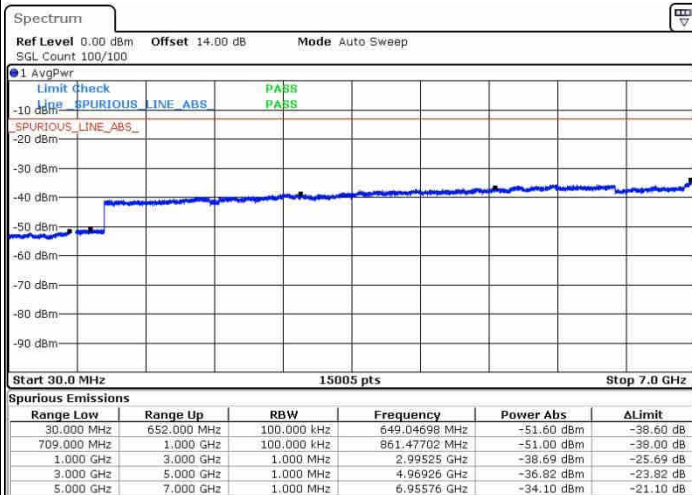
## LTE Band 71 / 20MHz

## Lowest Channel / 64QAM



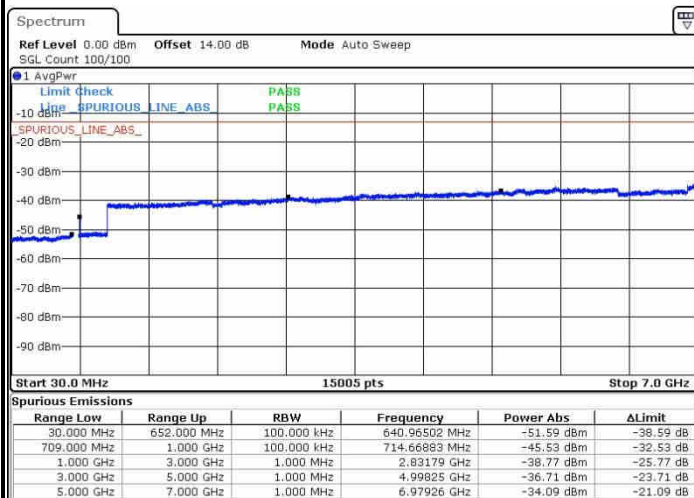
Date: 29.MAY.2019 22:20:37

## Middle Channel / 64QAM



Date: 29.MAY.2019 22:25:41

## Highest Channel / 64QAM



Date: 29.MAY.2019 22:29:43

**Frequency Stability**

| Test Conditions  |                   | LTE Band 2 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0002                             | PASS    |
| 40               | Normal Voltage    | 0.0005                             |         |
| 30               | Normal Voltage    | 0.0011                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0009                             |         |
| 0                | Normal Voltage    | 0.0012                             |         |
| -10              | Normal Voltage    | 0.0013                             |         |
| -20              | Normal Voltage    | 0.0001                             |         |
| -30              | Normal Voltage    | 0.0006                             |         |
| 20               | Maximum Voltage   | 0.0010                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0008                             |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0009                             | PASS    |
| 40               | Normal Voltage    | 0.0011                             |         |
| 30               | Normal Voltage    | 0.0018                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0020                             |         |
| 0                | Normal Voltage    | 0.0008                             |         |
| -10              | Normal Voltage    | 0.0015                             |         |
| -20              | Normal Voltage    | 0.0017                             |         |
| -30              | Normal Voltage    | 0.0007                             |         |
| 20               | Maximum Voltage   | 0.0025                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0016                             |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





| Test Conditions  |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | 2.5ppm |
|                  |                   | Deviation (ppm)                    | Result |
| 50               | Normal Voltage    | 0.0002                             | PASS   |
| 40               | Normal Voltage    | 0.0003                             |        |
| 30               | Normal Voltage    | 0.0003                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0000                             |        |
| 0                | Normal Voltage    | 0.0000                             |        |
| -10              | Normal Voltage    | 0.0002                             |        |
| -20              | Normal Voltage    | 0.0002                             |        |
| -30              | Normal Voltage    | 0.0001                             |        |
| 20               | Maximum Voltage   | 0.0002                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0001                             |        |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions     |                   | LTE Band 12 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0003                              | PASS    |
| 40                  | Normal Voltage    | 0.0007                              |         |
| 30                  | Normal Voltage    | 0.0011                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0013                              |         |
| 0                   | Normal Voltage    | 0.0016                              |         |
| -10                 | Normal Voltage    | 0.0018                              |         |
| -20                 | Normal Voltage    | 0.0007                              |         |
| -30                 | Normal Voltage    | 0.0003                              |         |
| 20                  | Maximum Voltage   | 0.0001                              |         |
| 20                  | Normal Voltage    | 0.0013                              |         |
| 20                  | Battery End Point | 0.0008                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions     |                   | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0005                              | PASS    |
| 40                  | Normal Voltage    | 0.0019                              |         |
| 30                  | Normal Voltage    | 0.0037                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0003                              |         |
| 0                   | Normal Voltage    | 0.0010                              |         |
| -10                 | Normal Voltage    | 0.0001                              |         |
| -20                 | Normal Voltage    | 0.0015                              |         |
| -30                 | Normal Voltage    | 0.0031                              |         |
| 20                  | Maximum Voltage   | 0.0032                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0018                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0008                              | PASS    |
| 40               | Normal Voltage    | 0.0006                              |         |
| 30               | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0004                              |         |
| 0                | Normal Voltage    | 0.0013                              |         |
| -10              | Normal Voltage    | 0.0002                              |         |
| -20              | Normal Voltage    | 0.0017                              |         |
| -30              | Normal Voltage    | 0.0006                              |         |
| 20               | Maximum Voltage   | 0.0023                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0012                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 71 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0028                              | PASS    |
| 40               | Normal Voltage    | 0.0018                              |         |
| 30               | Normal Voltage    | 0.0015                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0024                              |         |
| 0                | Normal Voltage    | 0.0021                              |         |
| -10              | Normal Voltage    | 0.0028                              |         |
| -20              | Normal Voltage    | 0.0016                              |         |
| -30              | Normal Voltage    | 0.0020                              |         |
| 20               | Maximum Voltage   | 0.0012                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0010                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

| LTE Band 2 / 1.4MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 3758.92           | -59.13       | -13           | -46.13            | -72.75            | -66.73             | 5.00                 | 12.60                 | H                  |
|                            | 5638.38           | -60.20       | -13           | -47.20            | -76.80            | -66.00             | 7.30                 | 13.10                 | H                  |
|                            | 7517.84           | -59.84       | -13           | -46.84            | -79.82            | -63.41             | 7.73                 | 11.30                 | H                  |
|                            | 3758.92           | -62.35       | -13           | -49.35            | -76.68            | -69.95             | 5.00                 | 12.60                 | V                  |
|                            | 5638.38           | -57.84       | -13           | -44.84            | -74.37            | -63.64             | 7.30                 | 13.10                 | V                  |
|                            | 7517.84           | -59.97       | -13           | -46.97            | -79.61            | -63.54             | 7.73                 | 11.30                 | V                  |

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

| LTE Band 2 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( 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                   | 3757.48           | -58.46       | -13           | -45.46            | -72.08            | -66.06             | 5.00                 | 12.60                 | H                  |
|                          | 5636.22           | -53.52       | -13           | -40.52            | -70.12            | -59.32             | 7.30                 | 13.10                 | H                  |
|                          | 7514.96           | -59.73       | -13           | -46.73            | -79.71            | -63.30             | 7.73                 | 11.30                 | H                  |
|                          | 3757.48           | -61.63       | -13           | -48.63            | -75.96            | -69.23             | 5.00                 | 12.60                 | V                  |
|                          | 5636.22           | -50.60       | -13           | -37.60            | -67.13            | -56.40             | 7.30                 | 13.10                 | V                  |
|                          | 7514.96           | -60.00       | -13           | -47.00            | -79.64            | -63.57             | 7.73                 | 11.30                 | V                  |

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





| LTE Band 2 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( 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                   | 3755.68           | -60.02       | -13           | -47.02            | -73.64            | -67.62             | 5.00                 | 12.60                 | H                  |
|                          | 5633.52           | -55.09       | -13           | -42.09            | -71.69            | -60.89             | 7.30                 | 13.10                 | H                  |
|                          | 7511.36           | -59.82       | -13           | -46.82            | -79.80            | -63.39             | 7.73                 | 11.30                 | H                  |
|                          | 3755.68           | -62.65       | -13           | -49.65            | -76.98            | -70.25             | 5.00                 | 12.60                 | V                  |
|                          | 5633.52           | -52.20       | -13           | -39.20            | -68.73            | -58.00             | 7.30                 | 13.10                 | V                  |
|                          | 7511.36           | -60.16       | -13           | -47.16            | -79.8             | -63.73             | 7.73                 | 11.30                 | V                  |

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

| LTE Band 2 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 3751.18           | -60.12       | -13           | -47.12            | -73.74            | -67.72             | 5.00                 | 12.60                 | H                  |
|                           | 5626.77           | -54.13       | -13           | -41.13            | -70.73            | -59.93             | 7.30                 | 13.10                 | H                  |
|                           | 7502.00           | -59.55       | -13           | -46.55            | -79.53            | -63.12             | 7.73                 | 11.30                 | H                  |
|                           | 3751.18           | -62.38       | -13           | -49.38            | -76.71            | -69.98             | 5.00                 | 12.60                 | V                  |
|                           | 5626.77           | -55.48       | -13           | -42.48            | -72.01            | -61.28             | 7.30                 | 13.10                 | V                  |
|                           | 7502.00           | -60.16       | -13           | -47.16            | -79.8             | -63.73             | 7.73                 | 11.30                 | V                  |

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



| LTE Band 2 / 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) |
| Middle                    | 3746.68              | -61.10          | -13              | -48.10                  | -74.72                  | -68.70                   | 5.00                       | 12.60                       | H                     |
|                           | 5620.02              | -59.57          | -13              | -46.57                  | -76.17                  | -65.37                   | 7.30                       | 13.10                       | H                     |
|                           | 7493.36              | -59.80          | -13              | -46.80                  | -79.78                  | -63.37                   | 7.73                       | 11.30                       | H                     |
|                           | 3746.68              | -62.30          | -13              | -49.30                  | -76.63                  | -69.90                   | 5.00                       | 12.60                       | V                     |
|                           | 5620.02              | -57.40          | -13              | -44.40                  | -73.93                  | -63.20                   | 7.30                       | 13.10                       | V                     |
|                           | 7493.36              | -60.12          | -13              | -47.12                  | -79.76                  | -63.69                   | 7.73                       | 11.30                       | V                     |

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

| LTE Band 2 / 20MHz / 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                    | 3742.18              | -61.13          | -13              | -48.13                  | -74.75                  | -68.73                   | 5.00                       | 12.60                       | H                     |
|                           | 5613.27              | -58.49          | -13              | -45.49                  | -75.09                  | -64.29                   | 7.30                       | 13.10                       | H                     |
|                           | 7484.36              | -59.72          | -13              | -46.72                  | -79.70                  | -63.29                   | 7.73                       | 11.30                       | H                     |
|                           | 3742.18              | -62.39          | -13              | -49.39                  | -76.72                  | -69.99                   | 5.00                       | 12.60                       | V                     |
|                           | 5613.27              | -56.79          | -13              | -43.79                  | -73.32                  | -62.59                   | 7.30                       | 13.10                       | V                     |
|                           | 7484.36              | -59.89          | -13              | -46.89                  | -79.53                  | -63.46                   | 7.73                       | 11.30                       | V                     |

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



| LTE Band 4 / 1.4MHz / 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                     | 3463.74              | -51.68          | -13              | -38.68                  | -65.38                  | -59.65                   | 4.63                       | 12.60                       | H                     |
|                            | 5195.61              | -54.81          | -13              | -41.81                  | -72.74                  | -61.26                   | 6.25                       | 12.70                       | H                     |
|                            | 6927.48              | -60.01          | -13              | -47.01                  | -79.63                  | -64.78                   | 8.23                       | 13.00                       | H                     |
|                            | 3463.74              | -54.97          | -13              | -41.97                  | -66.38                  | -62.94                   | 4.63                       | 12.60                       | V                     |
|                            | 5195.61              | -58.92          | -13              | -45.92                  | -72.53                  | -65.37                   | 6.25                       | 12.70                       | V                     |
|                            | 6927.48              | -60.35          | -13              | -47.35                  | -79.47                  | -65.12                   | 8.23                       | 13.00                       | V                     |

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

| LTE Band 4 / 3MHz / 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                   | 3462.48              | -54.89          | -13              | -41.89                  | -68.59                  | -62.86                   | 4.63                       | 12.60                       | H                     |
|                          | 5193.72              | -56.49          | -13              | -43.49                  | -74.42                  | -62.94                   | 6.25                       | 12.70                       | H                     |
|                          | 6924.96              | -60.34          | -13              | -47.34                  | -79.96                  | -65.11                   | 8.23                       | 13.00                       | H                     |
|                          | 3462.48              | -55.07          | -13              | -42.07                  | -66.48                  | -63.04                   | 4.63                       | 12.60                       | V                     |
|                          | 5193.72              | -60.59          | -13              | -47.59                  | -74.2                   | -67.04                   | 6.25                       | 12.70                       | V                     |
|                          | 6924.96              | -61.05          | -13              | -48.05                  | -80.17                  | -65.82                   | 8.23                       | 13.00                       | V                     |

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



| LTE Band 4 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( 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                   | 3460.68           | -53.28       | -13           | -40.28            | -66.98            | -61.25             | 4.63                 | 12.60                 | H                  |
|                          | 5191.02           | -54.89       | -13           | -41.89            | -72.82            | -61.34             | 6.25                 | 12.70                 | H                  |
|                          | 6921.36           | -60.59       | -13           | -47.59            | -80.21            | -65.36             | 8.23                 | 13.00                 | H                  |
|                          | 3460.68           | -54.39       | -13           | -41.39            | -65.8             | -62.36             | 4.63                 | 12.60                 | V                  |
|                          | 5191.02           | -59.70       | -13           | -46.70            | -73.31            | -66.15             | 6.25                 | 12.70                 | V                  |
|                          | 6921.36           | -60.88       | -13           | -47.88            | -80               | -65.65             | 8.23                 | 13.00                 | V                  |

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

| LTE Band 4 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 3456.18           | -52.39       | -13           | -39.39            | -66.09            | -60.36             | 4.63                 | 12.60                 | H                  |
|                           | 5184.27           | -55.47       | -13           | -42.47            | -73.40            | -61.92             | 6.25                 | 12.70                 | H                  |
|                           | 6912.36           | -60.21       | -13           | -47.21            | -79.83            | -64.98             | 8.23                 | 13.00                 | H                  |
|                           | 3456.18           | -55.11       | -13           | -42.11            | -66.52            | -63.08             | 4.63                 | 12.60                 | V                  |
|                           | 5184.27           | -60.52       | -13           | -47.52            | -74.13            | -66.97             | 6.25                 | 12.70                 | V                  |
|                           | 6912.36           | -60.93       | -13           | -47.93            | -80.05            | -65.70             | 8.23                 | 13.00                 | V                  |

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



| LTE Band 4 / 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) |
| Middle                    | 3451.68              | -50.85          | -13              | -37.85                  | -64.55                  | -58.82                   | 4.63                       | 12.60                       | H                     |
|                           | 5177.52              | -56.63          | -13              | -43.63                  | -74.56                  | -63.08                   | 6.25                       | 12.70                       | H                     |
|                           | 6903.36              | -60.42          | -13              | -47.42                  | -80.04                  | -65.19                   | 8.23                       | 13.00                       | H                     |
|                           | 3451.68              | -55.54          | -13              | -42.54                  | -66.95                  | -63.51                   | 4.63                       | 12.60                       | V                     |
|                           | 5177.52              | -58.47          | -13              | -45.47                  | -72.08                  | -64.92                   | 6.25                       | 12.70                       | V                     |
|                           | 6903.36              | -60.91          | -13              | -47.91                  | -80.03                  | -65.68                   | 8.23                       | 13.00                       | V                     |

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

| LTE Band 4 / 20MHz / 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                    | 3447.18              | -52.60          | -13              | -39.60                  | -66.30                  | -60.57                   | 4.63                       | 12.60                       | H                     |
|                           | 5170.77              | -57.96          | -13              | -44.96                  | -75.89                  | -64.41                   | 6.25                       | 12.70                       | H                     |
|                           | 6894.36              | -60.16          | -13              | -47.16                  | -79.78                  | -64.93                   | 8.23                       | 13.00                       | H                     |
|                           | 3447.18              | -56.19          | -13              | -43.19                  | -67.6                   | -64.16                   | 4.63                       | 12.60                       | V                     |
|                           | 5170.77              | -60.32          | -13              | -47.32                  | -73.93                  | -66.77                   | 6.25                       | 12.70                       | V                     |
|                           | 6894.36              | -60.85          | -13              | -47.85                  | -79.97                  | -65.62                   | 8.23                       | 13.00                       | V                     |

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



| LTE Band 5 / 1.4MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 1671.92           | -73.30       | -13           | -60.30            | -75.01            | -77.67             | 2.88                 | 9.40                  | H                  |
|                            | 2507.88           | -70.83       | -13           | -57.83            | -76.89            | -75.78             | 3.50                 | 10.60                 | H                  |
|                            | 3343.84           | -69.97       | -13           | -56.97            | -77.97            | -75.79             | 4.63                 | 12.60                 | H                  |
|                            | 1671.92           | -72.90       | -13           | -59.90            | -74.74            | -77.27             | 2.88                 | 9.40                  | V                  |
|                            | 2507.88           | -70.88       | -13           | -57.88            | -76.83            | -75.83             | 3.50                 | 10.60                 | V                  |
|                            | 3343.84           | -69.90       | -13           | -56.90            | -77.93            | -75.72             | 4.63                 | 12.60                 | V                  |

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

| LTE Band 5 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( 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                   | 1670.48           | -72.85       | -13           | -59.85            | -74.56            | -77.22             | 2.88                 | 9.40                  | H                  |
|                          | 2505.72           | -70.31       | -13           | -57.31            | -76.37            | -75.26             | 3.50                 | 10.60                 | H                  |
|                          | 3340.96           | -69.69       | -13           | -56.69            | -77.69            | -75.51             | 4.63                 | 12.60                 | H                  |
|                          | 1670.48           | -72.42       | -13           | -59.42            | -74.26            | -76.79             | 2.88                 | 9.40                  | V                  |
|                          | 2505.72           | -70.34       | -13           | -57.34            | -76.29            | -75.29             | 3.50                 | 10.60                 | V                  |
|                          | 3340.96           | -69.78       | -13           | -56.78            | -77.81            | -75.60             | 4.63                 | 12.60                 | V                  |

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



| LTE Band 5 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( 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                   | 1668.68           | -72.88       | -13           | -59.88            | -74.59            | -77.25             | 2.88                 | 9.40                  | H                  |
|                          | 2503.02           | -70.39       | -13           | -57.39            | -76.45            | -75.34             | 3.50                 | 10.60                 | H                  |
|                          | 3337.36           | -69.56       | -13           | -56.56            | -77.56            | -75.38             | 4.63                 | 12.60                 | H                  |
|                          | 1668.68           | -72.63       | -13           | -59.63            | -74.47            | -77.00             | 2.88                 | 9.40                  | V                  |
|                          | 2503.02           | -70.24       | -13           | -57.24            | -76.19            | -75.19             | 3.50                 | 10.60                 | V                  |
|                          | 3337.36           | -69.77       | -13           | -56.77            | -77.80            | -75.59             | 4.63                 | 12.60                 | V                  |

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

| LTE Band 5 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 1664.08           | -73.29       | -13           | -60.29            | -75.00            | -77.66             | 2.88                 | 9.40                  | H                  |
|                           | 2496.27           | -70.36       | -13           | -57.36            | -76.42            | -75.31             | 3.50                 | 10.60                 | H                  |
|                           | 3328.36           | -70.03       | -13           | -57.03            | -78.03            | -75.85             | 4.63                 | 12.60                 | H                  |
|                           | 1664.08           | -72.49       | -13           | -59.49            | -74.33            | -76.86             | 2.88                 | 9.40                  | V                  |
|                           | 2496.27           | -70.22       | -13           | -57.22            | -76.17            | -75.17             | 3.50                 | 10.60                 | V                  |
|                           | 3328.36           | -69.86       | -13           | -56.86            | -77.89            | -75.68             | 4.63                 | 12.60                 | V                  |

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





| LTE Band 12 / 1.4MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | EIRP ( 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                      | 1413.74           | -69.76       | -13           | -56.76            | -73.16            | -72.73             | 2.88                 | 8.00                  | H                  |
|                             | 2120.61           | -69.08       | -13           | -56.08            | -75.28            | -74.08             | 3.25                 | 10.40                 | H                  |
|                             | 2827.48           | -68.57       | -13           | -55.57            | -77.06            | -74.05             | 3.87                 | 11.50                 | H                  |
|                             | 1413.74           | -65.57       | -13           | -52.57            | -69.01            | -68.54             | 2.88                 | 8.00                  | V                  |
|                             | 2120.61           | -67.22       | -13           | -54.22            | -71.61            | -72.22             | 3.25                 | 10.40                 | V                  |
|                             | 2827.48           | -69.77       | -13           | -56.77            | -77.14            | -75.25             | 3.87                 | 11.50                 | V                  |

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

| LTE Band 12 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 1412.3            | -69.89       | -13           | -56.89            | -73.29            | -72.86             | 2.88                 | 8.00                  | H                  |
|                           | 2118.45           | -69.50       | -13           | -56.50            | -75.70            | -74.50             | 3.25                 | 10.40                 | H                  |
|                           | 2824.6            | -68.74       | -13           | -55.74            | -77.23            | -74.22             | 3.87                 | 11.50                 | H                  |
|                           | 1412.3            | -65.17       | -13           | -52.17            | -68.61            | -68.14             | 2.88                 | 8.00                  | V                  |
|                           | 2118.45           | -67.18       | -13           | -54.18            | -71.57            | -72.18             | 3.25                 | 10.40                 | V                  |
|                           | 2824.6            | -69.75       | -13           | -56.75            | -77.12            | -75.23             | 3.87                 | 11.50                 | V                  |

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



| LTE Band 12 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 1410.5            | -70.16       | -13           | -57.16            | -73.56            | -73.13             | 2.88                 | 8.00                  | H                  |
|                           | 2115.75           | -69.67       | -13           | -56.67            | -75.87            | -74.67             | 3.25                 | 10.40                 | H                  |
|                           | 2821              | -68.63       | -13           | -55.63            | -77.12            | -74.11             | 3.87                 | 11.50                 | H                  |
|                           | 1410.5            | -65.62       | -13           | -52.62            | -69.06            | -68.59             | 2.88                 | 8.00                  | V                  |
|                           | 2115.75           | -68.91       | -13           | -55.91            | -73.30            | -73.91             | 3.25                 | 10.40                 | V                  |
|                           | 2821              | -69.80       | -13           | -56.80            | -77.17            | -75.28             | 3.87                 | 11.50                 | V                  |

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

| LTE Band 12 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 1406              | -70.02       | -13           | -57.02            | -73.42            | -72.99             | 2.88                 | 8.00                  | H                  |
|                            | 2109              | -68.26       | -13           | -55.26            | -74.46            | -73.26             | 3.25                 | 10.40                 | H                  |
|                            | 2812              | -68.66       | -13           | -55.66            | -77.15            | -74.14             | 3.87                 | 11.50                 | H                  |
|                            | 1406              | -66.54       | -13           | -53.54            | -69.98            | -69.51             | 2.88                 | 8.00                  | V                  |
|                            | 2109              | -66.55       | -13           | -53.55            | -70.94            | -71.55             | 3.25                 | 10.40                 | V                  |
|                            | 2812              | -69.78       | -13           | -56.78            | -77.15            | -75.26             | 3.87                 | 11.50                 | V                  |

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



| LTE Band 13 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 1559.5            | -62.04       | -40           | -22.04            | -71.48            | -65.29             | 4.00                 | 9.40                  | H                  |
|                           | 2339.25           | -62.70       | -13           | -49.70            | -76.42            | -66.27             | 4.88                 | 10.60                 | H                  |
|                           | 3119              | -65.61       | -13           | -52.61            | -81.37            | -70.54             | 5.52                 | 12.60                 | H                  |
|                           | 1559.5            | -59.52       | -40           | -19.52            | -68.46            | -62.77             | 4.00                 | 9.40                  | V                  |
|                           | 2339.25           | -60.19       | -13           | -47.19            | -73.96            | -63.76             | 4.88                 | 10.60                 | V                  |
|                           | 3119              | -65.30       | -13           | -52.30            | -80.99            | -70.23             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 13 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 1559.5            | -67.88       | -40           | -27.88            | -77.32            | -71.13             | 4.00                 | 9.40                  | H                  |
|                            | 2339.25           | -66.83       | -13           | -53.83            | -80.55            | -70.40             | 4.88                 | 10.60                 | H                  |
|                            | 3119              | -65.75       | -13           | -52.75            | -81.51            | -70.68             | 5.52                 | 12.60                 | H                  |
|                            | 1559.5            | -65.01       | -40           | -25.01            | -73.95            | -68.26             | 4.00                 | 9.40                  | V                  |
|                            | 2339.25           | -65.71       | -13           | -52.71            | -79.48            | -69.28             | 4.88                 | 10.60                 | V                  |
|                            | 3119              | -65.85       | -13           | -52.85            | -81.54            | -70.78             | 5.52                 | 12.60                 | V                  |

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



| LTE Band 66 / 1.4MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | EIRP ( 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                      | 3488.74           | -53.87       | -13           | -40.87            | -67.57            | -61.91             | 4.66                 | 12.70                 | H                  |
|                             | 5233.11           | -54.23       | -13           | -41.23            | -72.16            | -60.72             | 6.31                 | 12.80                 | H                  |
|                             | 6977.48           | -59.15       | -13           | -46.15            | -78.77            | -63.90             | 8.35                 | 13.10                 | H                  |
|                             | 3488.74           | -58.57       | -13           | -45.57            | -69.98            | -66.61             | 4.66                 | 12.70                 | V                  |
|                             | 5233.11           | -55.49       | -13           | -42.49            | -69.1             | -61.98             | 6.31                 | 12.80                 | V                  |
|                             | 6977.48           | -60.12       | -13           | -47.12            | -79.24            | -64.87             | 8.35                 | 13.10                 | V                  |

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

| LTE Band 66 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 3487.3            | -54.17       | -13           | -41.17            | -67.87            | -62.21             | 4.66                 | 12.70                 | H                  |
|                           | 5230.95           | -58.57       | -13           | -45.57            | -76.50            | -65.06             | 6.31                 | 12.80                 | H                  |
|                           | 6974.6            | -59.95       | -13           | -46.95            | -79.57            | -64.70             | 8.35                 | 13.10                 | H                  |
|                           | 3487.3            | -58.79       | -13           | -45.79            | -70.2             | -66.83             | 4.66                 | 12.70                 | V                  |
|                           | 5230.95           | -58.60       | -13           | -45.60            | -72.21            | -65.09             | 6.31                 | 12.80                 | V                  |
|                           | 6974.6            | -60.85       | -13           | -47.85            | -79.97            | -65.60             | 8.35                 | 13.10                 | V                  |

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



| LTE Band 66 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 3485.5            | -55.60       | -13           | -42.60            | -69.30            | -63.64             | 4.66                 | 12.70                 | H                  |
|                           | 5228.25           | -58.80       | -13           | -45.80            | -76.73            | -65.29             | 6.31                 | 12.80                 | H                  |
|                           | 6971              | -59.96       | -13           | -46.96            | -79.58            | -64.71             | 8.35                 | 13.10                 | H                  |
|                           | 3485.5            | -59.92       | -13           | -46.92            | -71.33            | -67.96             | 4.66                 | 12.70                 | V                  |
|                           | 5228.25           | -59.35       | -13           | -46.35            | -72.96            | -65.84             | 6.31                 | 12.80                 | V                  |
|                           | 6971              | -60.21       | -13           | -47.21            | -79.33            | -64.96             | 8.35                 | 13.10                 | V                  |

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

| LTE Band 66 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 3481              | -55.54       | -13           | -42.54            | -69.24            | -63.58             | 4.66                 | 12.70                 | H                  |
|                            | 5221.5            | -57.09       | -13           | -44.09            | -75.02            | -63.58             | 6.31                 | 12.80                 | H                  |
|                            | 6962              | -60.19       | -13           | -47.19            | -79.81            | -64.94             | 8.35                 | 13.10                 | H                  |
|                            | 3481              | -60.25       | -13           | -47.25            | -71.66            | -68.29             | 4.66                 | 12.70                 | V                  |
|                            | 5221.5            | -57.94       | -13           | -44.94            | -71.55            | -64.43             | 6.31                 | 12.80                 | V                  |
|                            | 6962              | -60.61       | -13           | -47.61            | -79.73            | -65.36             | 8.35                 | 13.10                 | V                  |

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



| LTE Band 66 / 15MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 3476.5            | -56.99       | -13           | -43.99            | -70.69            | -65.03             | 4.66                 | 12.70                 | H                  |
|                            | 5214.75           | -59.34       | -13           | -46.34            | -77.27            | -65.83             | 6.31                 | 12.80                 | H                  |
|                            | 6953              | -60.21       | -13           | -47.21            | -79.83            | -64.96             | 8.35                 | 13.10                 | H                  |
|                            | 3476.5            | -60.12       | -13           | -47.12            | -71.53            | -68.16             | 4.66                 | 12.70                 | V                  |
|                            | 5214.75           | -61.46       | -13           | -48.46            | -75.07            | -67.95             | 6.31                 | 12.80                 | V                  |
|                            | 6953              | -60.54       | -13           | -47.54            | -79.66            | -65.29             | 8.35                 | 13.10                 | V                  |

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

| LTE Band 66 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 3472              | -56.46       | -13           | -43.46            | -70.16            | -64.50             | 4.66                 | 12.70                 | H                  |
|                            | 5208              | -55.93       | -13           | -42.93            | -73.86            | -62.42             | 6.31                 | 12.80                 | H                  |
|                            | 6944              | -60.30       | -13           | -47.30            | -79.92            | -65.05             | 8.35                 | 13.10                 | H                  |
|                            | 3472              | -60.21       | -13           | -47.21            | -71.62            | -68.25             | 4.66                 | 12.70                 | V                  |
|                            | 5208              | -60.60       | -13           | -47.60            | -74.21            | -67.09             | 6.31                 | 12.80                 | V                  |
|                            | 6944              | -60.82       | -13           | -47.82            | -79.94            | -65.57             | 8.35                 | 13.10                 | V                  |

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



| LTE Band 71 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( 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                    | 1356.5            | -64.21       | -13           | -51.21            | -73.39            | -67.44             | 3.98                 | 9.36                  | H                  |
|                           | 2034.75           | -67.36       | -13           | -54.36            | -79.15            | -70.91             | 4.85                 | 10.55                 | H                  |
|                           | 2713              | -66.59       | -13           | -53.59            | -80.13            | -71.52             | 5.50                 | 12.58                 | H                  |
|                           | 1356.5            | -61.61       | -13           | -48.61            | -70.64            | -64.84             | 3.98                 | 9.36                  | V                  |
|                           | 2034.75           | -64.65       | -13           | -51.65            | -76.42            | -68.20             | 4.85                 | 10.55                 | V                  |
|                           | 2713              | -66.31       | -13           | -53.31            | -80.26            | -71.24             | 5.50                 | 12.58                 | V                  |

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

| LTE Band 71 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( 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                     | 1352              | -63.06       | -13           | -50.06            | -72.24            | -66.29             | 3.98                 | 9.36                  | H                  |
|                            | 2028              | -64.88       | -13           | -51.88            | -76.42            | -68.43             | 4.85                 | 10.55                 | H                  |
|                            | 2704              | -66.48       | -13           | -53.48            | -79.99            | -71.41             | 5.50                 | 12.58                 | H                  |
|                            | 1352              | -61.90       | -13           | -48.90            | -70.93            | -65.13             | 3.98                 | 9.36                  | V                  |
|                            | 2028              | -62.38       | -13           | -49.38            | -73.91            | -65.93             | 4.85                 | 10.55                 | V                  |
|                            | 2704              | -66.15       | -13           | -53.15            | -80.00            | -71.08             | 5.50                 | 12.58                 | V                  |

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



| LTE Band 71 / 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) |
| Middle                     | 1347.5               | -63.36          | -13              | -50.36                  | -72.50                  | -66.59                   | 3.98                       | 9.36                        | H                     |
|                            | 2021.25              | -66.52          | -13              | -53.52                  | -78.06                  | -70.07                   | 4.85                       | 10.55                       | H                     |
|                            | 2695                 | -66.66          | -13              | -53.66                  | -80.16                  | -71.59                   | 5.50                       | 12.58                       | H                     |
|                            | 1347.5               | -62.30          | -13              | -49.30                  | -71.25                  | -65.53                   | 3.98                       | 9.36                        | V                     |
|                            | 2021.25              | -64.67          | -13              | -51.67                  | -76.20                  | -68.22                   | 4.85                       | 10.55                       | V                     |
|                            | 2695                 | -66.25          | -13              | -53.25                  | -80.09                  | -71.18                   | 5.50                       | 12.58                       | V                     |

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

| LTE Band 71 / 20MHz / 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                     | 1343                 | -63.28          | -13              | -50.28                  | -72.35                  | -66.51                   | 3.98                       | 9.36                        | H                     |
|                            | 2014.5               | -67.55          | -13              | -54.55                  | -79.09                  | -71.10                   | 4.85                       | 10.55                       | H                     |
|                            | 2686                 | -66.66          | -13              | -53.66                  | -80.13                  | -71.59                   | 5.50                       | 12.58                       | H                     |
|                            | 1343                 | -60.93          | -13              | -47.93                  | -69.81                  | -64.16                   | 3.98                       | 9.36                        | V                     |
|                            | 2014.5               | -63.99          | -13              | -50.99                  | -75.52                  | -67.54                   | 4.85                       | 10.55                       | V                     |
|                            | 2686                 | -66.49          | -13              | -53.49                  | -80.24                  | -71.42                   | 5.50                       | 12.58                       | V                     |

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