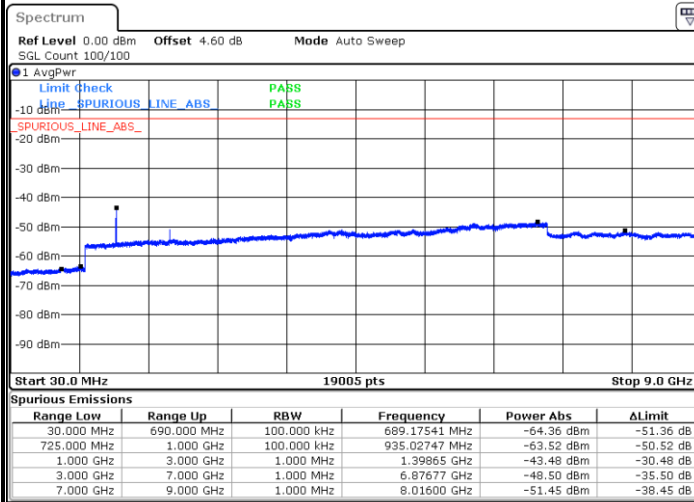




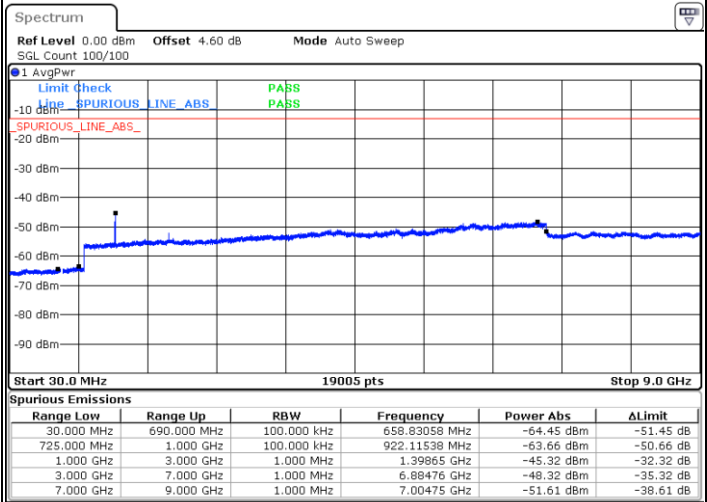
## LTE Band 12 / 1.4MHz

## Lowest Channel / QPSK



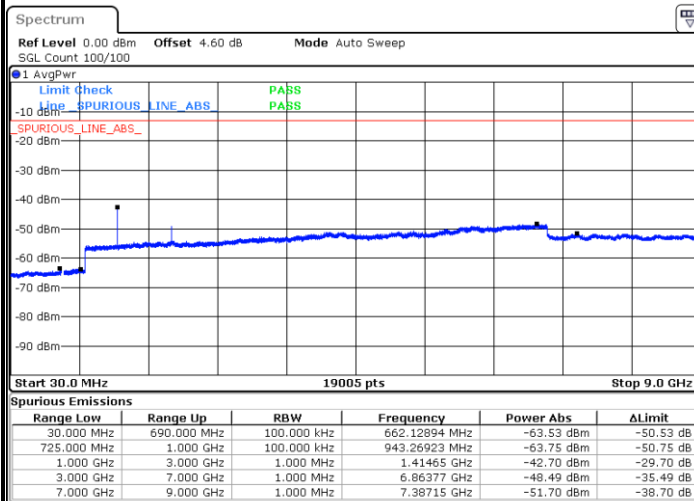
Date: 14 JUN 2017 17:23:25

## Lowest Channel / 16QAM



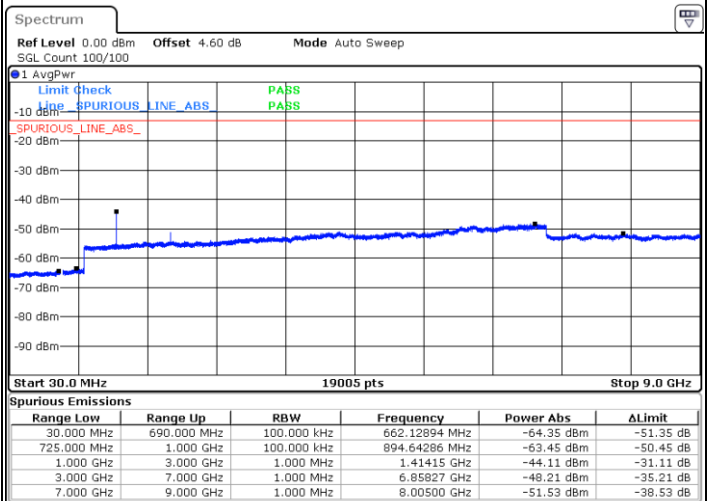
Date: 14 JUN 2017 17:24:20

## Middle Channel / QPSK



Date: 14 JUN 2017 17:26:10

## Middle Channel / 16QAM

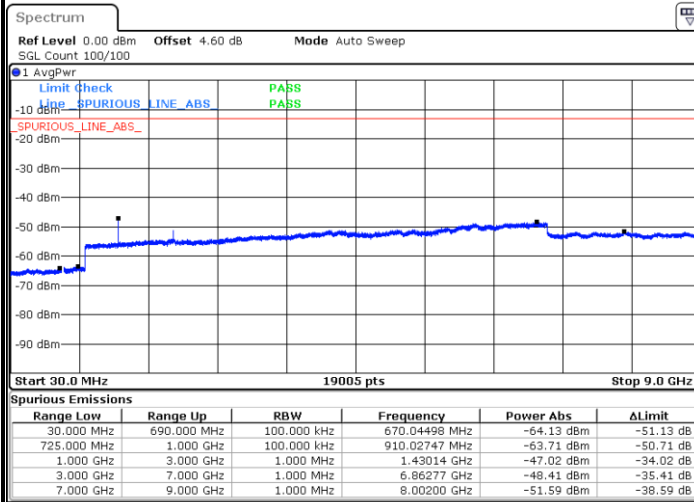


Date: 14 JUN 2017 17:25:15



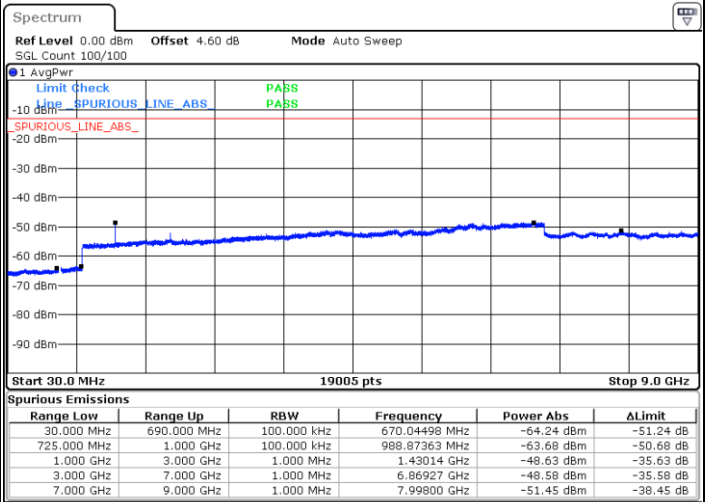
## LTE Band 12 / 1.4MHz

## Highest Channel / QPSK



Date: 14 JUN 2017 17:27:05

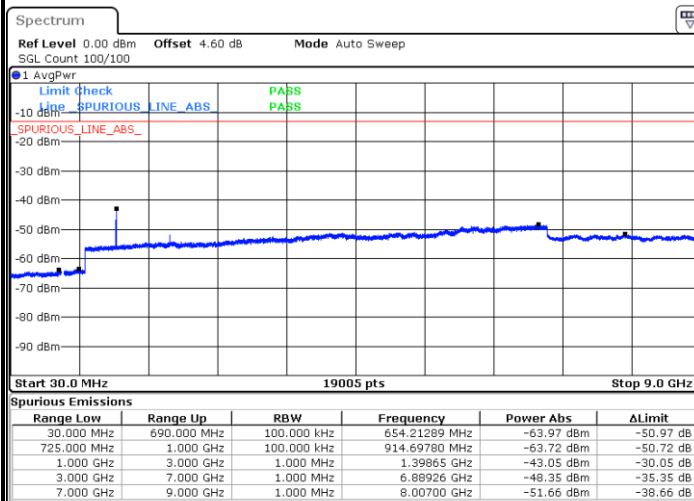
## Highest Channel / 16QAM



Date: 14 JUN 2017 17:28:00

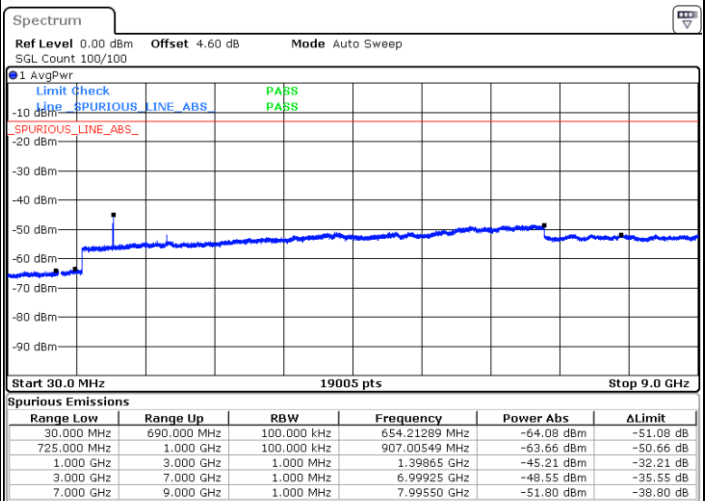
## LTE Band 12 / 3MHz

## Lowest Channel / QPSK



Date: 14 JUN 2017 17:40:06

## Lowest Channel / 16QAM

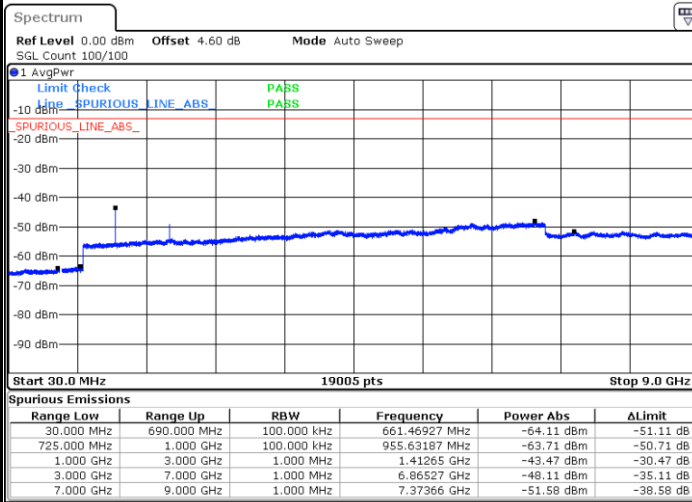


Date: 14 JUN 2017 17:41:01



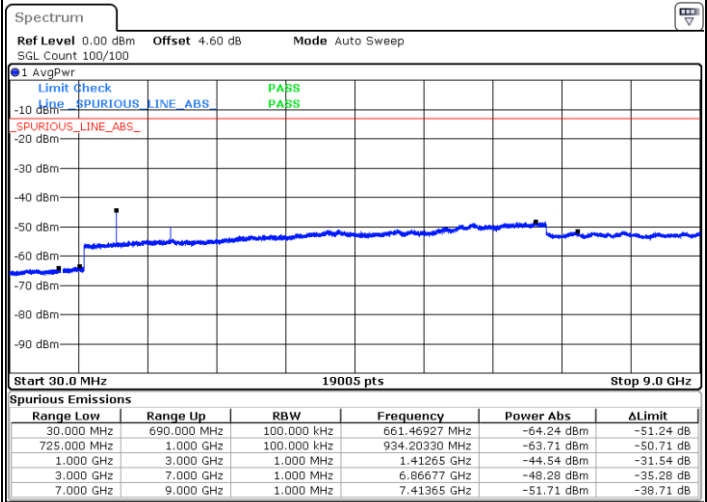
## LTE Band 12 / 3MHz

## Middle Channel / QPSK



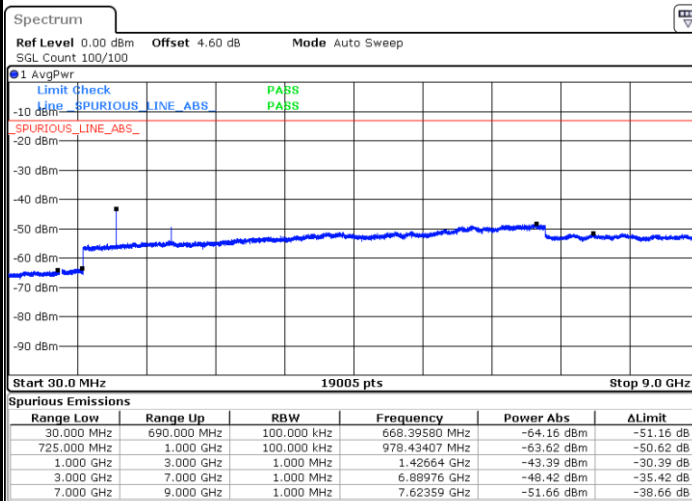
Date: 14 JUN 2017 17:42:51

## Middle Channel / 16QAM



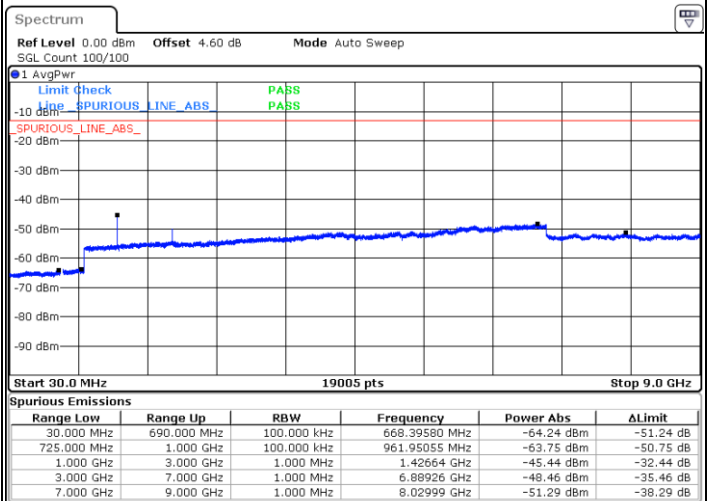
Date: 14 JUN 2017 17:41:56

## Highest Channel / QPSK



Date: 14 JUN 2017 17:43:47

## Highest Channel / 16QAM

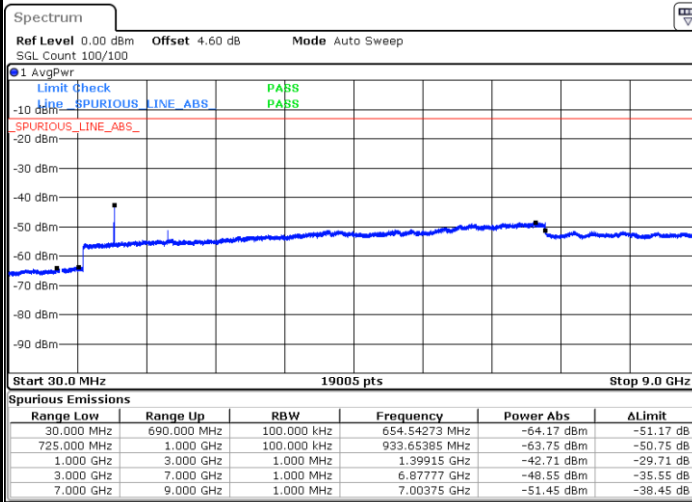


Date: 14 JUN 2017 17:44:42



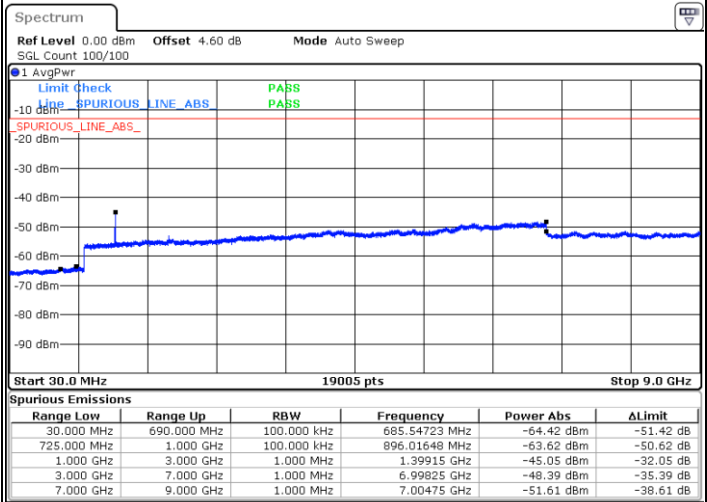
## LTE Band 12 / 5MHz

## Lowest Channel / QPSK



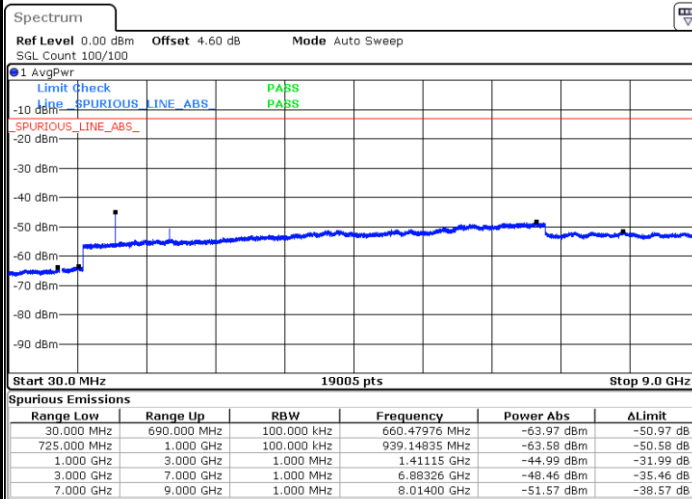
Date: 14 JUN 2017 17:56:50

## Lowest Channel / 16QAM



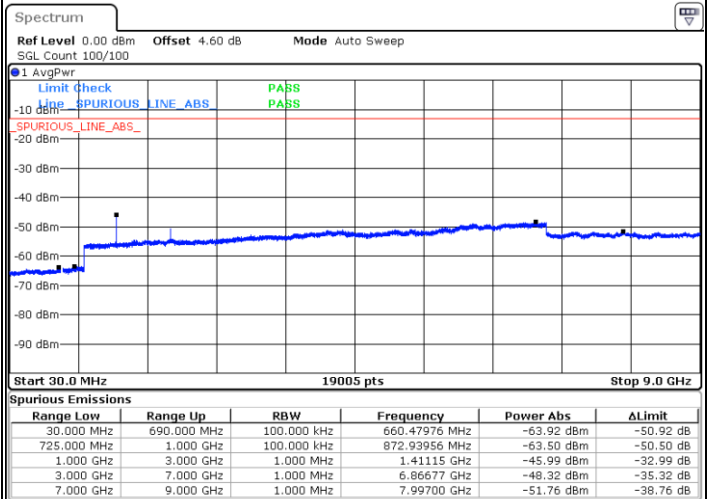
Date: 14 JUN 2017 17:57:45

## Middle Channel / QPSK



Date: 14 JUN 2017 17:59:36

## Middle Channel / 16QAM

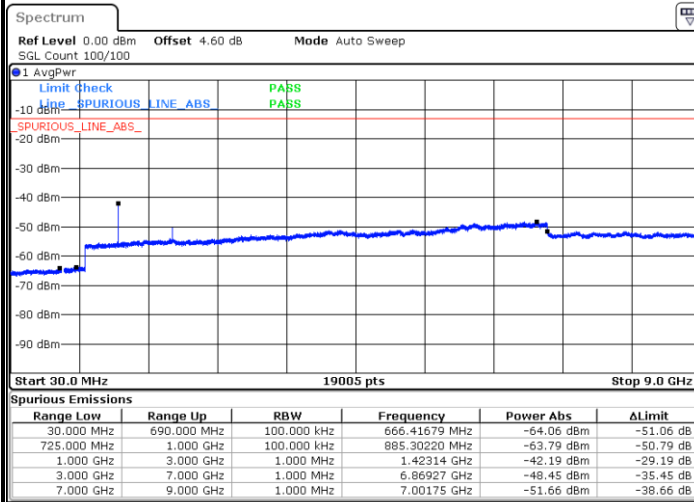


Date: 14 JUN 2017 17:58:41



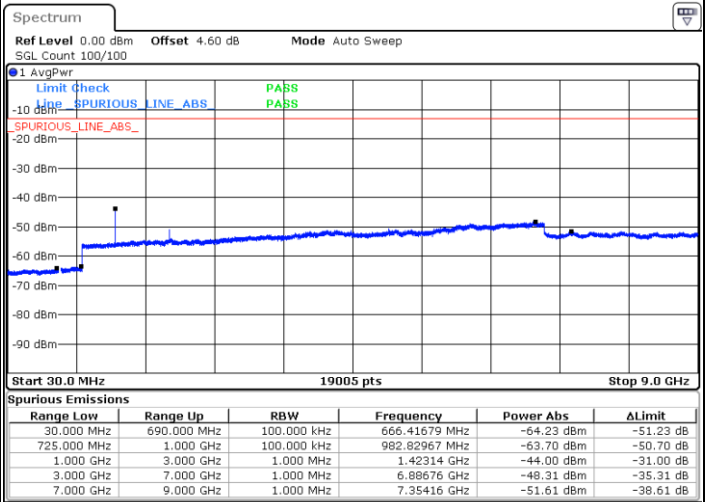
## LTE Band 12 / 5MHz

## Highest Channel / QPSK



Date: 14 JUN 2017 18:00:31

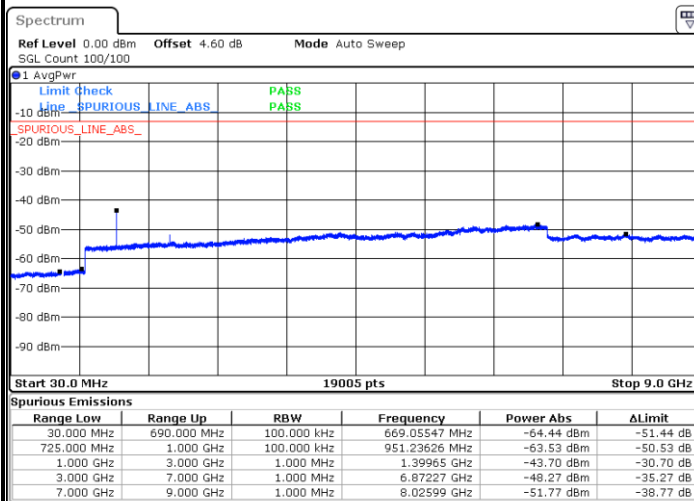
## Highest Channel / 16QAM



Date: 14 JUN 2017 18:01:26

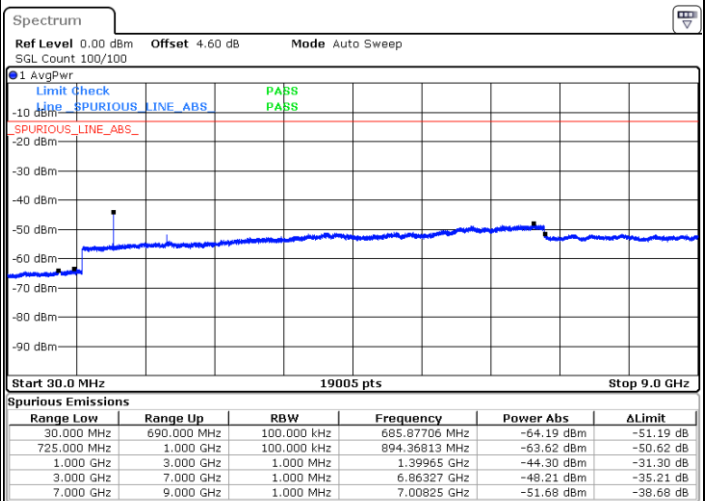
## LTE Band 12 / 10MHz

## Lowest Channel / QPSK



Date: 14 JUN 2017 18:13:32

## Lowest Channel / 16QAM

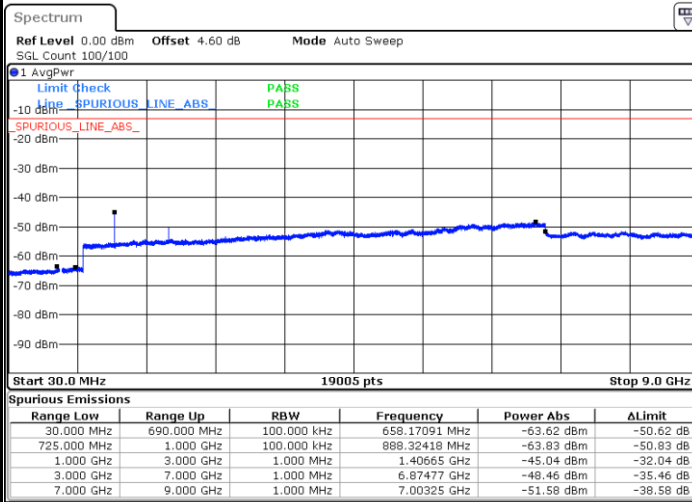


Date: 14 JUN 2017 18:14:27



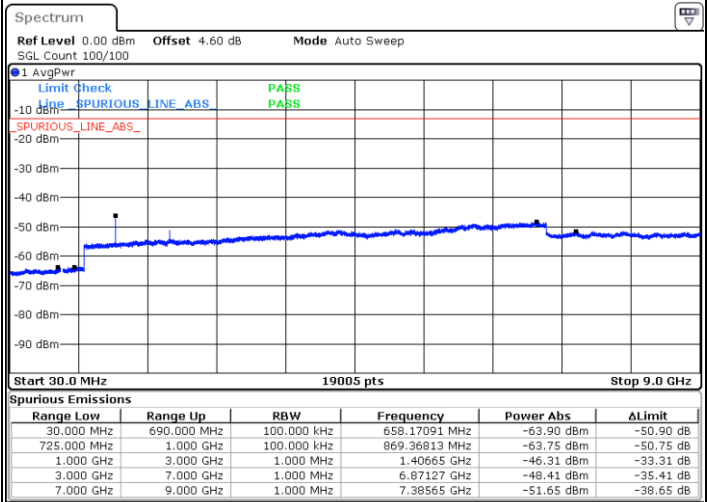
## LTE Band 12 / 10MHz

## Middle Channel / QPSK



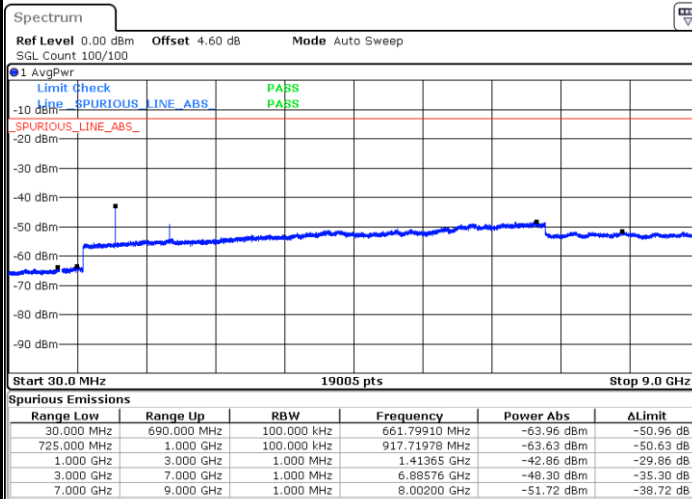
Date: 14 JUN 2017 18:16:17

## Middle Channel / 16QAM



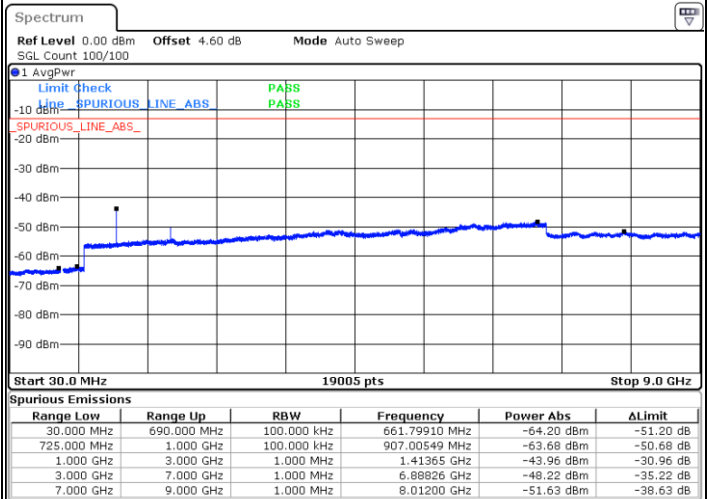
Date: 14 JUN 2017 18:15:22

## Highest Channel / QPSK



Date: 14 JUN 2017 18:17:12

## Highest Channel / 16QAM



Date: 14 JUN 2017 18:18:07

**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    | 0.0001                             | PASS    |
| 40               | Normal Voltage    | 0.0003                             |         |
| 30               | Normal Voltage    | 0.0005                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0016                             |         |
| 0                | Normal Voltage    | 0.0018                             |         |
| -10              | Normal Voltage    | 0.0003                             |         |
| -20              | Normal Voltage    | 0.0003                             |         |
| -30              | Normal Voltage    | 0.0010                             |         |
| 20               | Maximum Voltage   | 0.0006                             |         |
| 20               | Normal Voltage    | 0.0004                             |         |
| 20               | Battery End Point | 0.0017                             |         |

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.35 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    | 0.0005                             | PASS    |
| 40               | Normal Voltage    | 0.0002                             |         |
| 30               | Normal Voltage    | 0.0020                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0023                             |         |
| 0                | Normal Voltage    | 0.0025                             |         |
| -10              | Normal Voltage    | 0.0004                             |         |
| -20              | Normal Voltage    | 0.0006                             |         |
| -30              | Normal Voltage    | 0.0027                             |         |
| 20               | Maximum Voltage   | 0.0001                             |         |
| 20               | Normal Voltage    | 0.0003                             |         |
| 20               | Battery End Point | 0.0017                             |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                 | Result |
| 50                  | Normal Voltage    | 0.0041                             | PASS   |
| 40                  | Normal Voltage    | 0.0004                             |        |
| 30                  | Normal Voltage    | 0.0006                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0030                             |        |
| 0                   | Normal Voltage    | 0.0005                             |        |
| -10                 | Normal Voltage    | 0.0002                             |        |
| -20                 | Normal Voltage    | 0.0031                             |        |
| -30                 | Normal Voltage    | 0.0023                             |        |
| 20                  | Maximum Voltage   | 0.0005                             |        |
| 20                  | Normal Voltage    | 0.0012                             |        |
| 20                  | Battery End Point | 0.0047                             |        |

**Note:** Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.35 V.



| 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    | 0.0059                              | PASS    |
| 40                  | Normal Voltage    | 0.0007                              |         |
| 30                  | Normal Voltage    | 0.0055                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0007                              |         |
| 0                   | Normal Voltage    | 0.0017                              |         |
| -10                 | Normal Voltage    | 0.0024                              |         |
| -20                 | Normal Voltage    | 0.0083                              |         |
| -30                 | Normal Voltage    | 0.0062                              |         |
| 20                  | Maximum Voltage   | 0.0049                              |         |
| 20                  | Normal Voltage    | 0.0078                              |         |
| 20                  | Battery End Point | 0.0010                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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 / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                          | 3759              | -60.31       | -13           | -47.31            | -74.55            | -62.02             | 5.08                 | 6.80                  | H                  |
|                                                 | 5637              | -60.09       | -13           | -47.09            | -76.89            | -61.76             | 8.03                 | 9.70                  | H                  |
|                                                 | 7518              | -55.57       | -13           | -42.57            | -76.87            | -57.95             | 9.43                 | 11.81                 | H                  |
|                                                 | 3759              | -62.65       | -13           | -49.65            | -75.08            | -64.36             | 5.08                 | 6.80                  | V                  |
|                                                 | 5637              | -60.28       | -13           | -47.28            | -77.37            | -61.95             | 8.03                 | 9.70                  | V                  |
|                                                 | 7518              | -56.05       | -13           | -43.05            | -77.19            | -58.43             | 9.43                 | 11.81                 | V                  |

| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                        | 3756              | -60.78       | -13           | -47.78            | -75.02            | -62.49             | 5.08                 | 6.80                  | H                  |
|                                               | 5637              | -59.33       | -13           | -46.33            | -76.13            | -61.00             | 8.03                 | 9.70                  | H                  |
|                                               | 7515              | -55.57       | -13           | -42.57            | -76.87            | -57.95             | 9.43                 | 11.81                 | H                  |
|                                               | 3756              | -61.93       | -13           | -48.93            | -74.36            | -63.64             | 5.08                 | 6.80                  | V                  |
|                                               | 5637              | -60.38       | -13           | -47.38            | -77.47            | -62.05             | 8.03                 | 9.70                  | V                  |
|                                               | 7515              | -55.97       | -13           | -42.97            | -77.11            | -58.35             | 9.43                 | 11.81                 | V                  |

| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                        | 3756              | -61.11       | -13           | -48.11            | -75.35            | -62.82             | 5.08                 | 6.80                  | H                  |
|                                               | 5634              | -60.28       | -13           | -47.28            | -77.08            | -61.95             | 8.03                 | 9.70                  | H                  |
|                                               | 7512              | -54.72       | -13           | -41.72            | -76.02            | -57.10             | 9.43                 | 11.81                 | H                  |
|                                               | 3756              | -61.68       | -13           | -48.68            | -74.11            | -63.39             | 5.08                 | 6.80                  | V                  |
|                                               | 5634              | -59.62       | -13           | -46.62            | -76.71            | -61.29             | 8.03                 | 9.70                  | V                  |
|                                               | 7512              | -56.28       | -13           | -43.28            | -77.42            | -58.66             | 9.43                 | 11.81                 | V                  |



| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                         | 3750              | -58.88       | -13           | -45.88            | -73.12            | -60.59             | 5.08                 | 6.80                  | H                  |
|                                                | 5628              | -59.53       | -13           | -46.53            | -76.33            | -61.20             | 8.03                 | 9.70                  | H                  |
|                                                | 7503              | -55.32       | -13           | -42.32            | -76.62            | -57.70             | 9.43                 | 11.81                 | H                  |
|                                                | 3750              | -61.59       | -13           | -48.59            | -74.02            | -63.30             | 5.08                 | 6.80                  | V                  |
|                                                | 5628              | -60.35       | -13           | -47.35            | -77.44            | -62.02             | 8.03                 | 9.70                  | V                  |
|                                                | 7503              | -56.05       | -13           | -43.05            | -77.19            | -58.43             | 9.43                 | 11.81                 | V                  |

| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                         | 3747              | -60.64       | -13           | -47.64            | -74.88            | -62.35             | 5.08                 | 6.80                  | H                  |
|                                                | 5619              | -58.96       | -13           | -45.96            | -75.76            | -60.63             | 8.03                 | 9.70                  | H                  |
|                                                | 7494              | -55.23       | -13           | -42.23            | -76.53            | -57.61             | 9.43                 | 11.81                 | H                  |
|                                                | 3747              | -62.97       | -13           | -49.97            | -75.4             | -64.68             | 5.08                 | 6.80                  | V                  |
|                                                | 5619              | -59.31       | -13           | -46.31            | -76.4             | -60.98             | 8.03                 | 9.70                  | V                  |
|                                                | 7494              | -55.32       | -13           | -42.32            | -76.46            | -57.70             | 9.43                 | 11.81                 | V                  |

| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                         | 3741              | -60.78       | -13           | -47.78            | -75.02            | -62.49             | 5.08                 | 6.80                  | H                  |
|                                                | 5613              | -60.06       | -13           | -47.06            | -76.86            | -61.73             | 8.03                 | 9.70                  | H                  |
|                                                | 7485              | -55.69       | -13           | -42.69            | -76.99            | -58.07             | 9.43                 | 11.81                 | H                  |
|                                                | 3741              | -63.21       | -13           | -50.21            | -75.64            | -64.92             | 5.08                 | 6.80                  | V                  |
|                                                | 5613              | -60.55       | -13           | -47.55            | -77.64            | -62.22             | 8.03                 | 9.70                  | V                  |
|                                                | 7485              | -56.25       | -13           | -43.25            | -77.39            | -58.63             | 9.43                 | 11.81                 | V                  |



| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                          | 3465              | -62.31       | -13           | -49.31            | -71.21            | -66.28             | 4.87                 | 8.84                  | H                  |
|                                                 | 5196              | -65.14       | -13           | -52.14            | -76.07            | -66.58             | 7.70                 | 9.14                  | H                  |
|                                                 | 6927              | -57.93       | -13           | -44.93            | -76.40            | -59.61             | 8.98                 | 10.66                 | H                  |
|                                                 | 3465              | -63.71       | -13           | -50.71            | -75.33            | -67.68             | 4.87                 | 8.84                  | V                  |
|                                                 | 5196              | -62.18       | -13           | -49.18            | -76.23            | -63.62             | 7.70                 | 9.14                  | V                  |
|                                                 | 6927              | -59.58       | -13           | -46.58            | -77.6             | -61.26             | 8.98                 | 10.66                 | V                  |

| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                        | 3462              | -63.57       | -13           | -50.57            | -72.47            | -67.54             | 4.87                 | 8.84                  | H                  |
|                                               | 5193              | -64.56       | -13           | -51.56            | -75.49            | -66.00             | 7.70                 | 9.14                  | H                  |
|                                               | 6924              | -58.16       | -13           | -45.16            | -76.63            | -59.84             | 8.98                 | 10.66                 | H                  |
|                                               | 3462              | -63.79       | -13           | -50.79            | -75.41            | -67.76             | 4.87                 | 8.84                  | V                  |
|                                               | 5193              | -62.13       | -13           | -49.13            | -76.18            | -63.57             | 7.70                 | 9.14                  | V                  |
|                                               | 6924              | -58.16       | -13           | -45.16            | -76.18            | -59.84             | 8.98                 | 10.66                 | V                  |

| 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                   | 3462              | -62.49       | -13           | -49.49            | -71.39            | -66.46             | 4.87                 | 8.84                  | H                  |
|                          | 5190              | -65.04       | -13           | -52.04            | -75.97            | -66.48             | 7.70                 | 9.14                  | H                  |
|                          | 6921              | -58.32       | -13           | -45.32            | -76.79            | -60.00             | 8.98                 | 10.66                 | H                  |
|                          | 3462              | -64.21       | -13           | -51.21            | -75.83            | -68.18             | 4.87                 | 8.84                  | V                  |
|                          | 5190              | -61.41       | -13           | -48.41            | -75.46            | -62.85             | 7.70                 | 9.14                  | V                  |
|                          | 6921              | -57.96       | -13           | -44.96            | -75.98            | -59.64             | 8.98                 | 10.66                 | V                  |



| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -59.56       | -13           | -46.56            | -68.46            | -63.53             | 4.87                 | 8.84                  | H                  |
|                                                | 5184              | -64.12       | -13           | -51.12            | -75.05            | -65.56             | 7.70                 | 9.14                  | H                  |
|                                                | 6912              | -58.90       | -13           | -45.90            | -77.37            | -60.58             | 8.98                 | 10.66                 | H                  |
|                                                | 3456              | -62.53       | -13           | -49.53            | -74.15            | -66.50             | 4.87                 | 8.84                  | V                  |
|                                                | 5184              | -62.18       | -13           | -49.18            | -76.23            | -63.62             | 7.70                 | 9.14                  | V                  |
|                                                | 6912              | -58.45       | -13           | -45.45            | -76.47            | -60.13             | 8.98                 | 10.66                 | V                  |

| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                         | 3453              | -63.05       | -13           | -50.05            | -71.95            | -67.02             | 4.87                 | 8.84                  | H                  |
|                                                | 5178              | -64.64       | -13           | -51.64            | -75.57            | -66.08             | 7.70                 | 9.14                  | H                  |
|                                                | 6903              | -58.06       | -13           | -45.06            | -76.53            | -59.74             | 8.98                 | 10.66                 | H                  |
|                                                | 3453              | -63.91       | -13           | -50.91            | -75.53            | -67.88             | 4.87                 | 8.84                  | V                  |
|                                                | 5178              | -61.61       | -13           | -48.61            | -75.66            | -63.05             | 7.70                 | 9.14                  | V                  |
|                                                | 6903              | -58.90       | -13           | -45.90            | -76.92            | -60.58             | 8.98                 | 10.66                 | V                  |

| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                         | 3447              | -59.39       | -13           | -46.39            | -68.29            | -63.36             | 4.87                 | 8.84                  | H                  |
|                                                | 5172              | -65.24       | -13           | -52.24            | -76.17            | -66.68             | 7.70                 | 9.14                  | H                  |
|                                                | 6894              | -58.12       | -13           | -45.12            | -76.59            | -59.80             | 8.98                 | 10.66                 | H                  |
|                                                | 3447              | -63.29       | -13           | -50.29            | -74.91            | -67.26             | 4.87                 | 8.84                  | V                  |
|                                                | 5172              | -61.97       | -13           | -48.97            | -76.02            | -63.41             | 7.70                 | 9.14                  | V                  |
|                                                | 6894              | -58.10       | -13           | -45.10            | -76.12            | -59.78             | 8.98                 | 10.66                 | V                  |



| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-------------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                         | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                          | 1672              | -66.87      | -13           | -53.87            | -69.47            | -69.19             | 1.33                 | 5.80                  | H                  |
|                                                 | 2508              | -61.83      | -13           | -48.83            | -71.18            | -65.00             | 1.58                 | 6.90                  | H                  |
|                                                 | 3342              | -67.57      | -13           | -54.57            | -76.78            | -71.07             | 1.85                 | 7.50                  | H                  |
|                                                 | 1672              | -67.84      | -13           | -54.84            | -69.71            | -70.16             | 1.33                 | 5.80                  | V                  |
|                                                 | 2508              | -63.52      | -13           | -50.52            | -71.49            | -66.69             | 1.58                 | 6.90                  | V                  |
|                                                 | 3342              | -67.05      | -13           | -54.05            | -76.07            | -70.55             | 1.85                 | 7.50                  | V                  |

| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                       | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                        | 1670              | -66.82      | -13           | -53.82            | -69.42            | -69.14             | 1.33                 | 5.80                  | H                  |
|                                               | 2506              | -61.42      | -13           | -48.42            | -70.77            | -64.59             | 1.58                 | 6.90                  | H                  |
|                                               | 3342              | -67.96      | -13           | -54.96            | -77.17            | -71.46             | 1.85                 | 7.50                  | H                  |
|                                               | 1670              | -67.99      | -13           | -54.99            | -69.86            | -70.31             | 1.33                 | 5.80                  | V                  |
|                                               | 2506              | -63.88      | -13           | -50.88            | -71.85            | -67.05             | 1.58                 | 6.90                  | V                  |
|                                               | 3342              | -67.75      | -13           | -54.75            | -76.77            | -71.25             | 1.85                 | 7.50                  | V                  |

| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                       | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                        | 1668              | -67.26      | -13           | -54.26            | -69.86            | -69.58             | 1.33                 | 5.80                  | H                  |
|                                               | 2503              | -61.90      | -13           | -48.90            | -71.25            | -65.07             | 1.58                 | 6.90                  | H                  |
|                                               | 3336              | -68.02      | -13           | -55.02            | -77.23            | -71.52             | 1.85                 | 7.50                  | H                  |
|                                               | 1668              | -67.62      | -13           | -54.62            | -69.49            | -69.94             | 1.33                 | 5.80                  | V                  |
|                                               | 2503              | -63.82      | -13           | -50.82            | -71.79            | -66.99             | 1.58                 | 6.90                  | V                  |
|                                               | 3336              | -68.39      | -13           | -55.39            | -77.41            | -71.89             | 1.85                 | 7.50                  | V                  |



| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                        | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                         | 1664              | -66.96      | -13           | -53.96            | -69.56            | -69.28             | 1.33                 | 5.80                  | H                  |
|                                                | 2496              | -61.48      | -13           | -48.48            | -70.83            | -64.65             | 1.58                 | 6.90                  | H                  |
|                                                | 3330              | -67.39      | -13           | -54.39            | -76.60            | -70.89             | 1.85                 | 7.50                  | H                  |
|                                                | 1664              | -67.72      | -13           | -54.72            | -69.59            | -70.04             | 1.33                 | 5.80                  | V                  |
|                                                | 2496              | -63.06      | -13           | -50.06            | -71.03            | -66.23             | 1.58                 | 6.90                  | V                  |
|                                                | 3330              | -68.20      | -13           | -55.20            | -77.22            | -71.70             | 1.85                 | 7.50                  | V                  |

| LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                          | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                           | 1414              | -68.03      | -13           | -55.03            | -68.98            | -69.26             | 1.17                 | 4.55                  | H                  |
|                                                  | 2120              | -65.70      | -13           | -52.70            | -70.29            | -67.45             | 1.45                 | 5.35                  | H                  |
|                                                  | 2828              | -68.71      | -13           | -55.71            | -72.68            | -70.98             | 1.68                 | 6.10                  | H                  |
|                                                  | 1414              | -68.02      | -13           | -55.02            | -69.09            | -69.25             | 1.17                 | 4.55                  | V                  |
|                                                  | 2120              | -65.90      | -13           | -52.90            | -70.48            | -67.65             | 1.45                 | 5.35                  | V                  |
|                                                  | 2828              | -66.46      | -13           | -53.46            | -71.14            | -68.72             | 1.68                 | 6.10                  | V                  |

| LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                        | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                         | 1412              | -67.62      | -13           | -54.62            | -68.57            | -68.85             | 1.17                 | 4.55                  | H                  |
|                                                | 2118              | -64.76      | -13           | -51.76            | -69.35            | -66.51             | 1.45                 | 5.35                  | H                  |
|                                                | 2824              | -69.40      | -13           | -56.40            | -73.37            | -71.67             | 1.68                 | 6.10                  | H                  |
|                                                | 1412              | -66.99      | -13           | -53.99            | -68.06            | -68.22             | 1.17                 | 4.55                  | V                  |
|                                                | 2118              | -66.56      | -13           | -53.56            | -71.14            | -68.31             | 1.45                 | 5.35                  | V                  |
|                                                | 2824              | -68.33      | -13           | -55.33            | -73.01            | -70.59             | 1.68                 | 6.10                  | V                  |

| LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                        | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                         | 1410              | -68.19      | -13           | -55.19            | -69.14            | -69.42             | 1.17                 | 4.55                  | H                  |
|                                                | 2116              | -64.77      | -13           | -51.77            | -69.36            | -66.52             | 1.45                 | 5.35                  | H                  |
|                                                | 2822              | -69.30      | -13           | -56.30            | -73.27            | -71.57             | 1.68                 | 6.10                  | H                  |
|                                                | 1410              | -67.50      | -13           | -54.50            | -68.57            | -68.73             | 1.17                 | 4.55                  | V                  |
|                                                | 2116              | -68.19      | -13           | -55.19            | -72.77            | -69.94             | 1.45                 | 5.35                  | V                  |
|                                                | 2822              | -68.42      | -13           | -55.42            | -73.10            | -70.68             | 1.68                 | 6.10                  | V                  |



| LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | ERP<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                                          | 1406                 | -67.16         | -13              | -54.16                  | -68.11                  | -68.39                   | 1.17                       | 4.55                        | H                     |
|                                                 | 2108                 | -64.90         | -13              | -51.90                  | -69.49                  | -66.65                   | 1.45                       | 5.35                        | H                     |
|                                                 | 2812                 | -69.37         | -13              | -56.37                  | -73.34                  | -71.64                   | 1.68                       | 6.10                        | H                     |
|                                                 | 1406                 | -69.02         | -13              | -56.02                  | -70.09                  | -70.25                   | 1.17                       | 4.55                        | V                     |
|                                                 | 2110                 | -67.53         | -13              | -54.53                  | -72.11                  | -69.28                   | 1.45                       | 5.35                        | V                     |
|                                                 | 2812                 | -68.71         | -13              | -55.71                  | -73.39                  | -70.97                   | 1.68                       | 6.10                        | V                     |

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