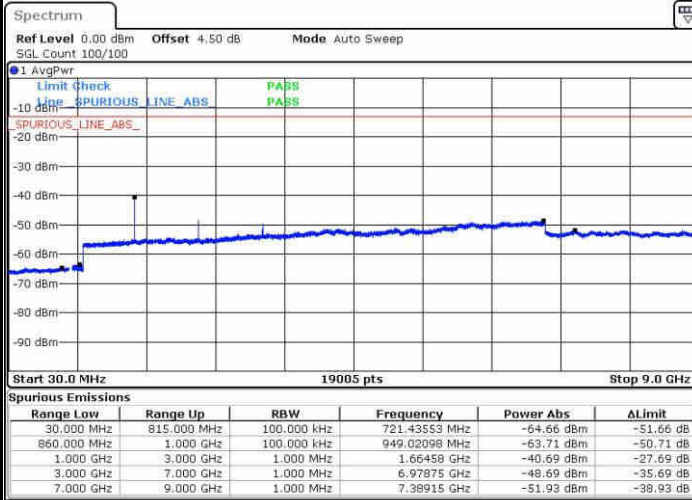




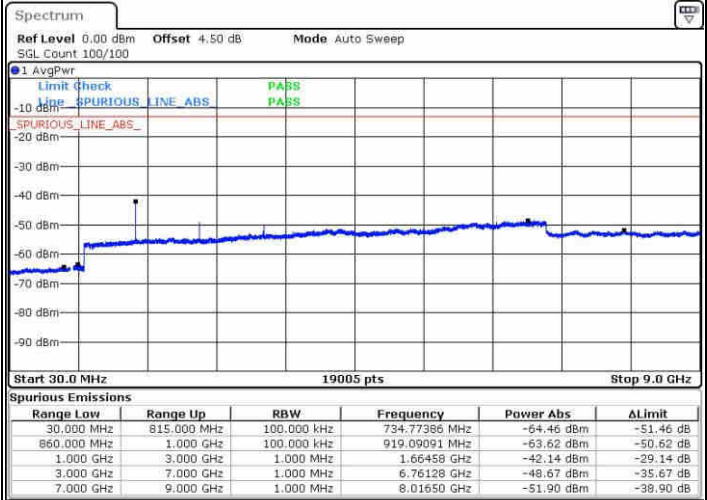
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



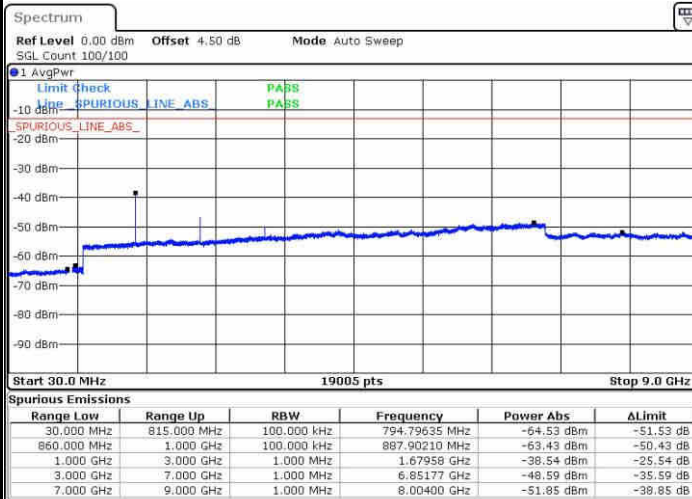
Date: 21 MAR 2017 16:29:32

## Middle Channel / 16QAM



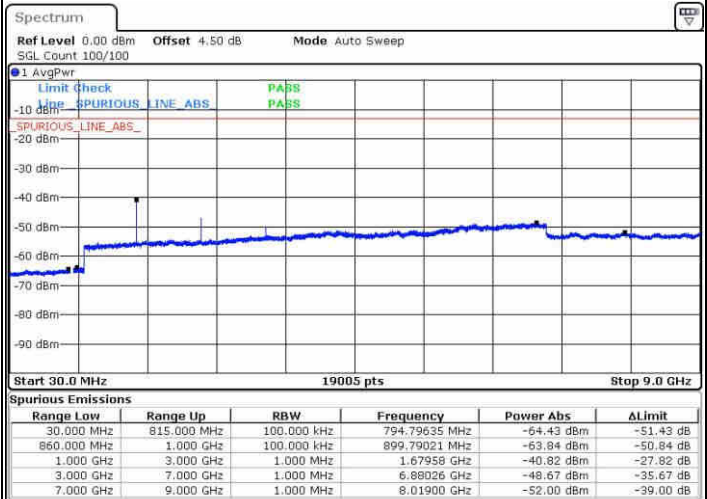
Date: 21 MAR 2017 16:30:27

## Highest Channel / QPSK



Date: 21 MAR 2017 16:38:35

## Highest Channel / 16QAM

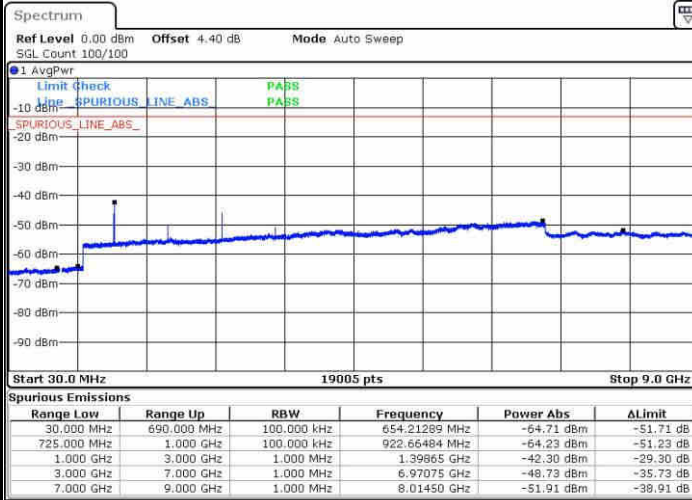


Date: 21 MAR 2017 16:39:30



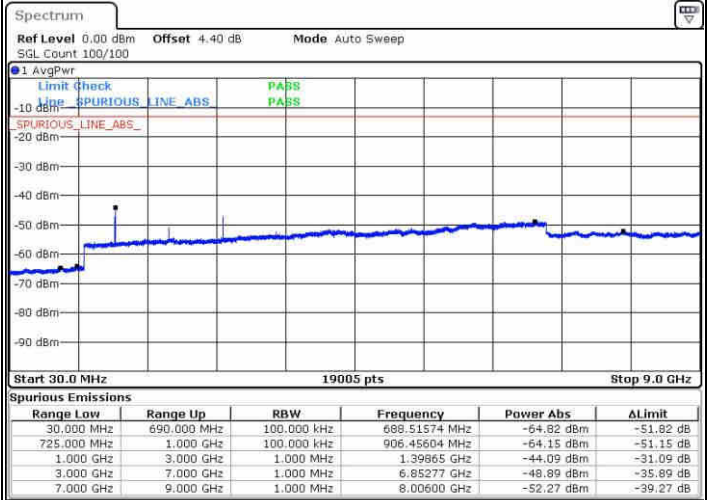
## LTE Band 12 / 1.4MHz

## Lowest Channel / QPSK



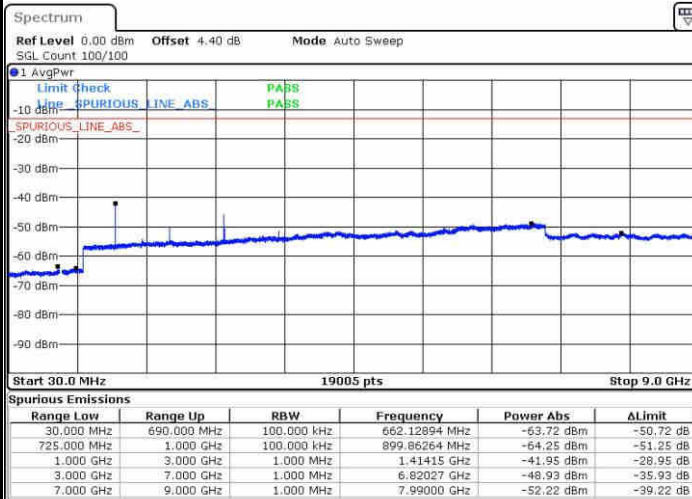
Date: 24 MAR 2017 12:42:07

## Lowest Channel / 16QAM



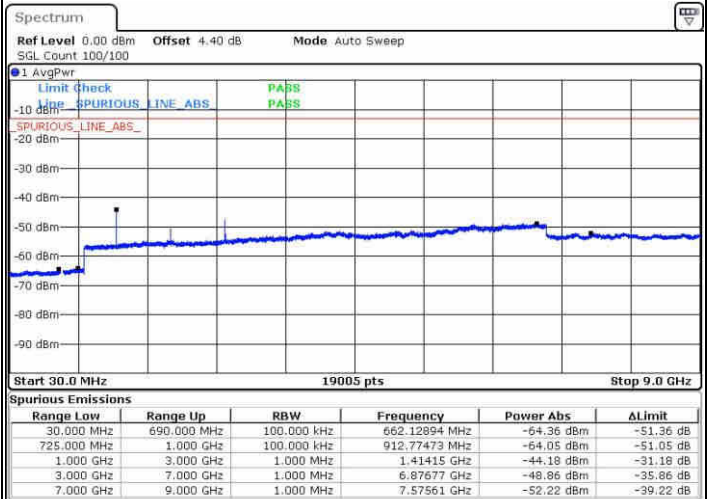
Date: 24 MAR 2017 12:43:03

## Middle Channel / QPSK



Date: 24 MAR 2017 12:44:54

## Middle Channel / 16QAM

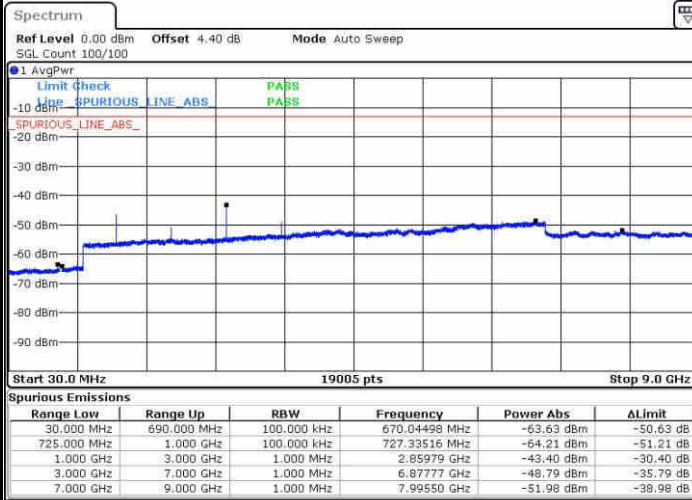


Date: 24 MAR 2017 12:43:59



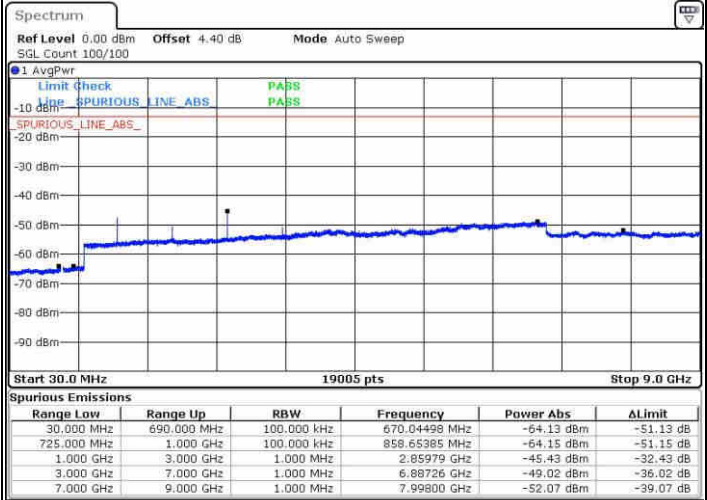
## LTE Band 12 / 1.4MHz

## Highest Channel / QPSK



Date: 24 MAR 2017 12:45:50

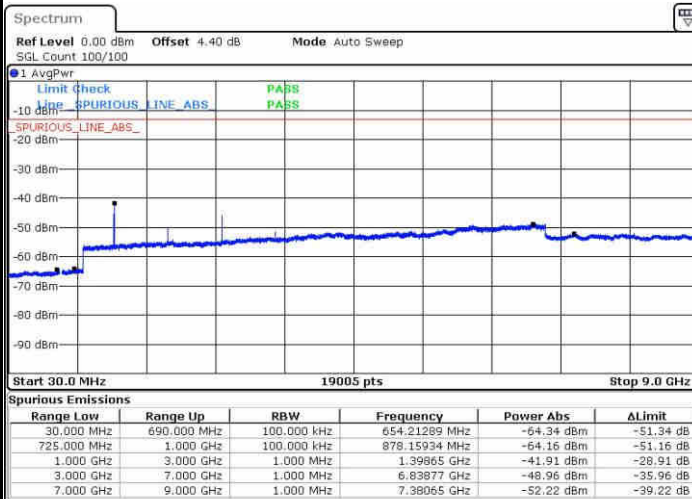
## Highest Channel / 16QAM



Date: 24 MAR 2017 12:46:46

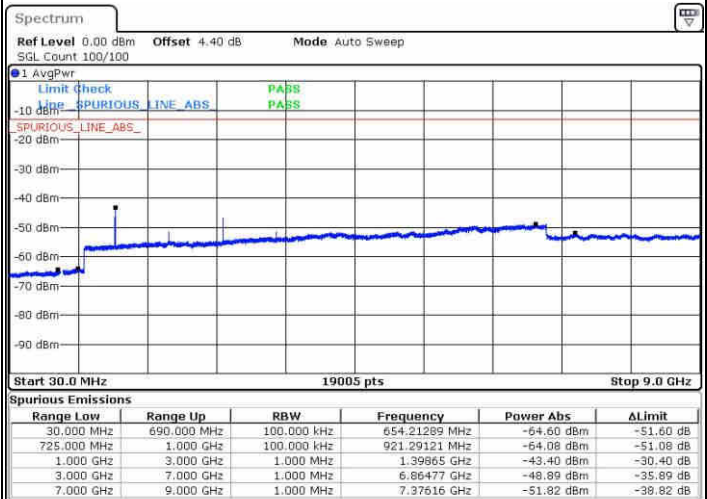
## LTE Band 12 / 3MHz

## Lowest Channel / QPSK



Date: 24 MAR 2017 12:59:02

## Lowest Channel / 16QAM

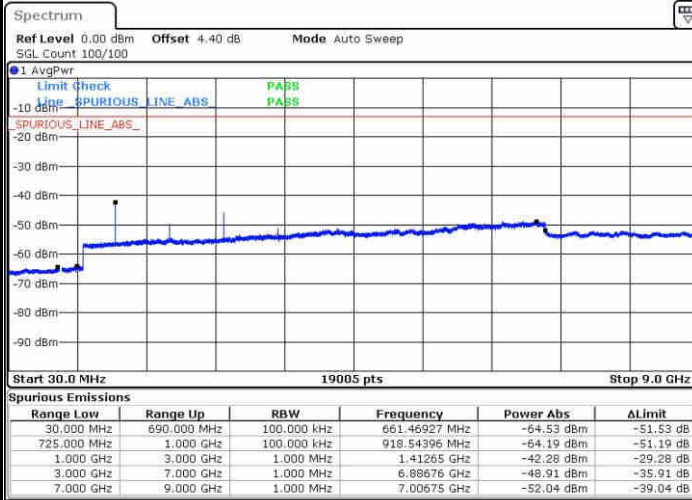


Date: 24 MAR 2017 12:59:58



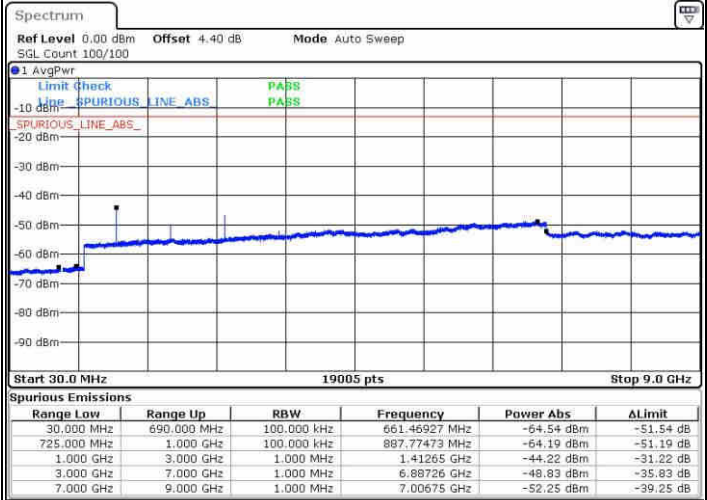
## LTE Band 12 / 3MHz

## Middle Channel / QPSK



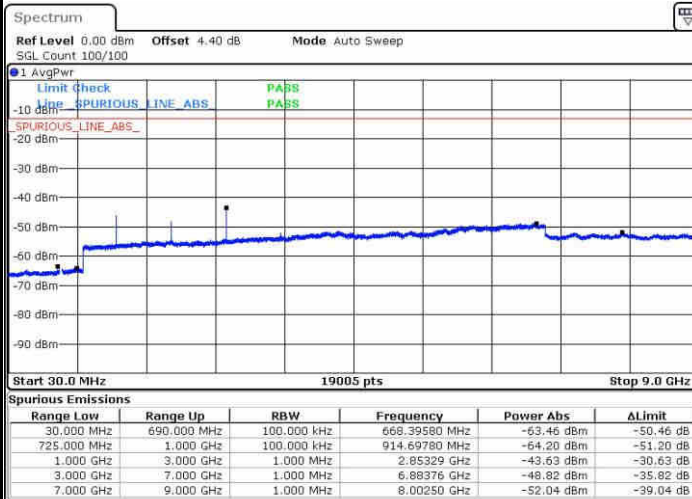
Date: 24 MAR 2017 13:01:49

## Middle Channel / 16QAM



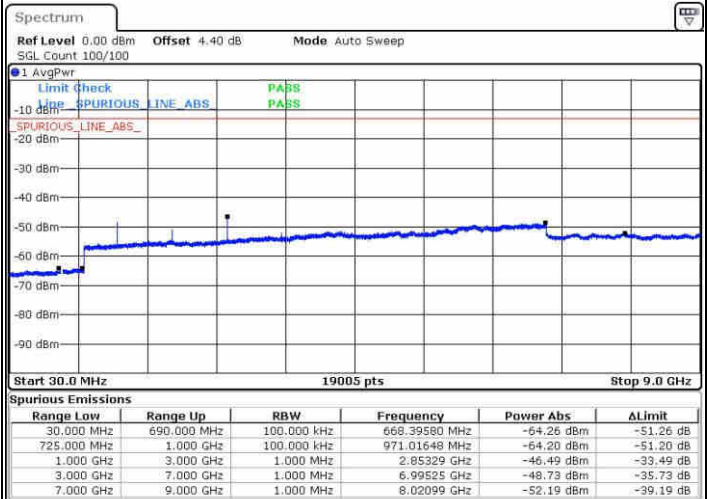
Date: 24 MAR 2017 13:00:54

## Highest Channel / QPSK



Date: 24 MAR 2017 13:02:45

## Highest Channel / 16QAM

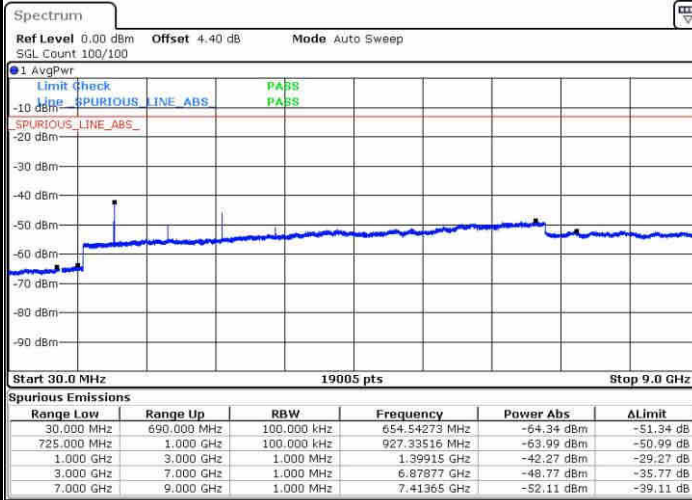


Date: 24 MAR 2017 13:03:41



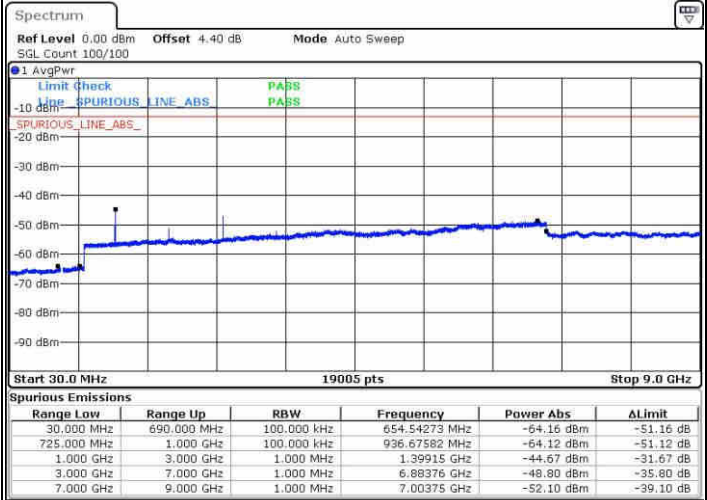
## LTE Band 12 / 5MHz

## Lowest Channel / QPSK



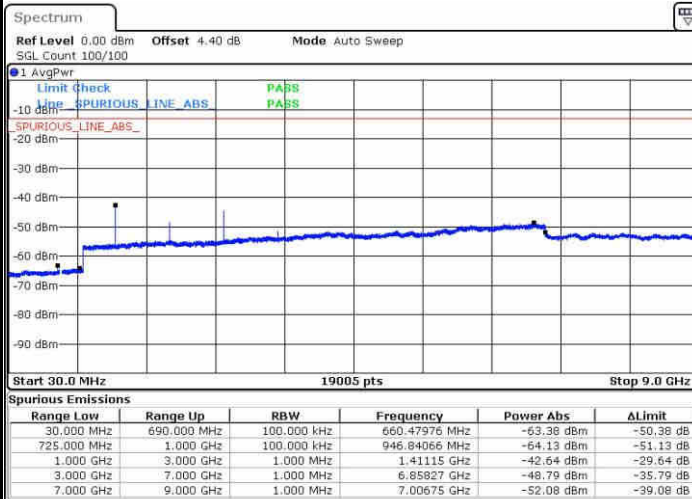
Date: 24 MAR 2017 13:15:57

## Lowest Channel / 16QAM



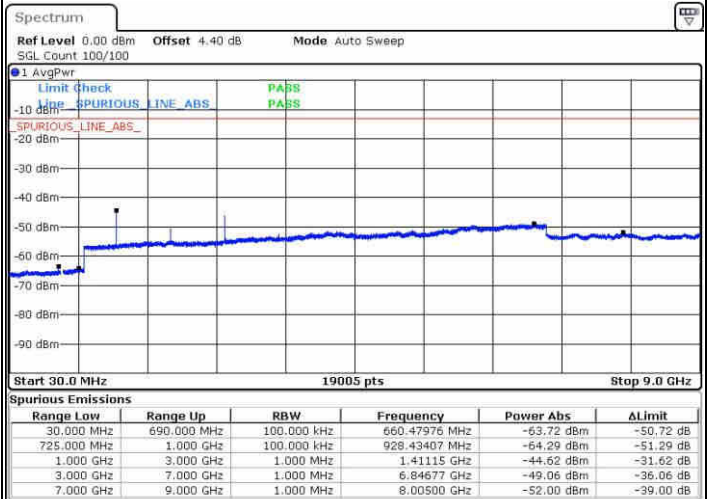
Date: 24 MAR 2017 13:16:53

## Middle Channel / QPSK



Date: 24 MAR 2017 13:18:44

## Middle Channel / 16QAM

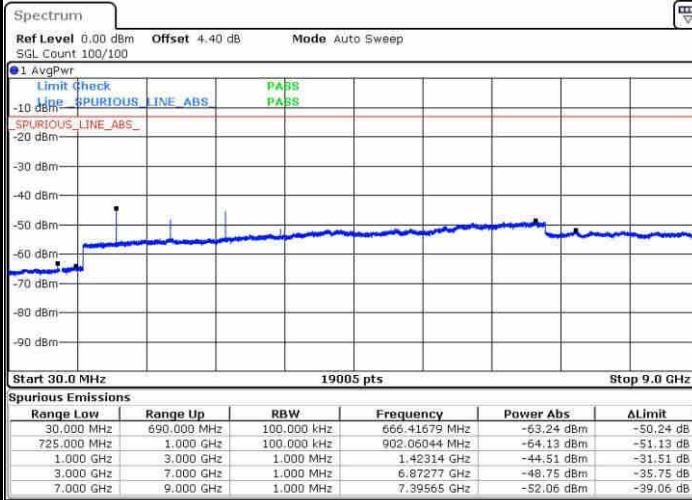


Date: 24 MAR 2017 13:17:49



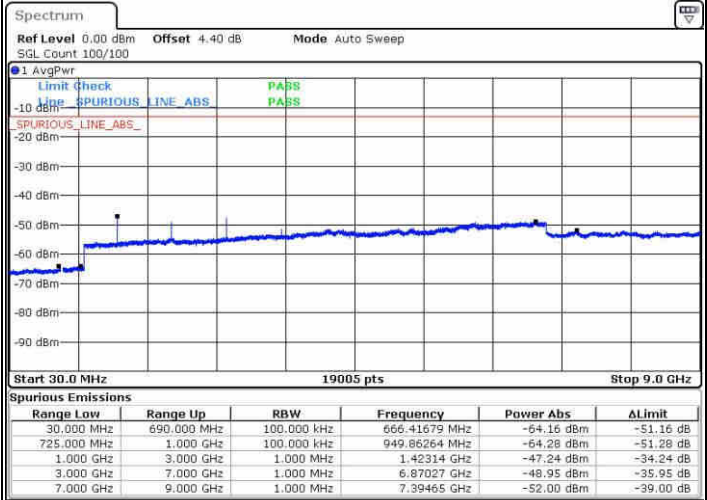
## LTE Band 12 / 5MHz

## Highest Channel / QPSK



Date: 24 MAR 2017 13:19:40

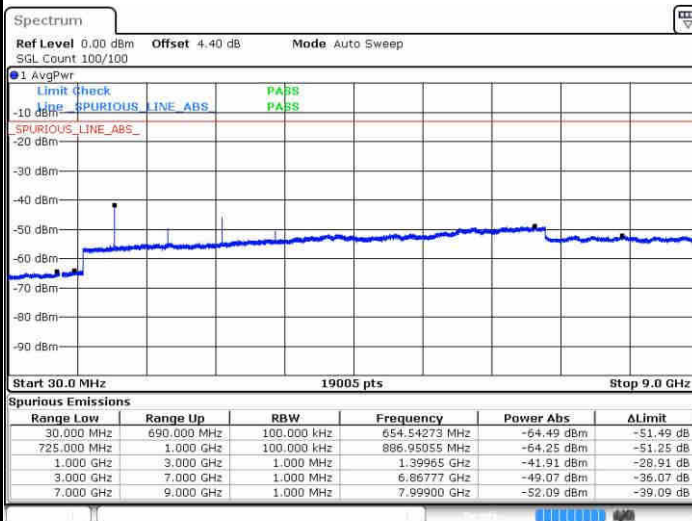
## Highest Channel / 16QAM



Date: 24 MAR 2017 13:20:36

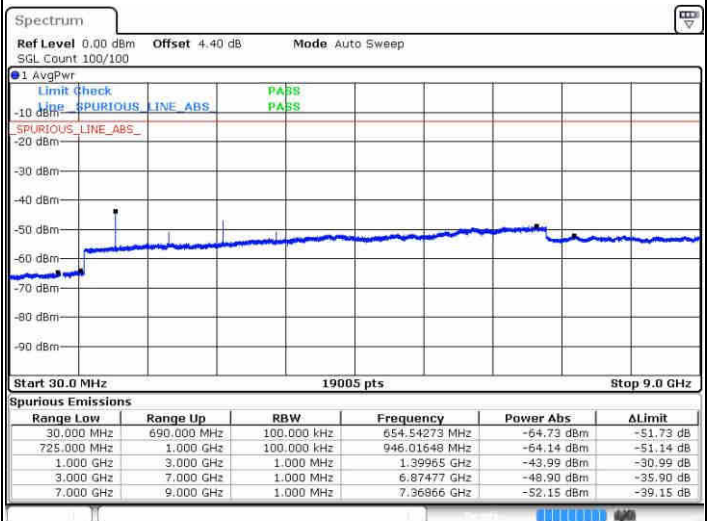
## LTE Band 12 / 10MHz

## Lowest Channel / QPSK



Date: 24 MAR 2017 13:46:50

## Lowest Channel / 16QAM

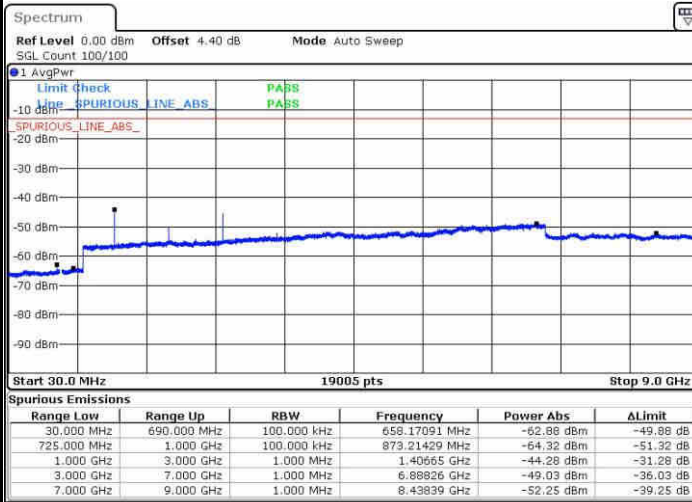


Date: 24 MAR 2017 13:47:56



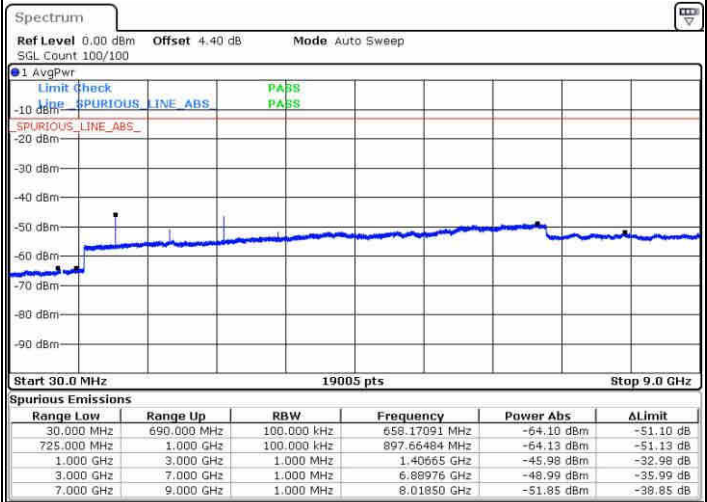
## LTE Band 12 / 10MHz

## Middle Channel / QPSK



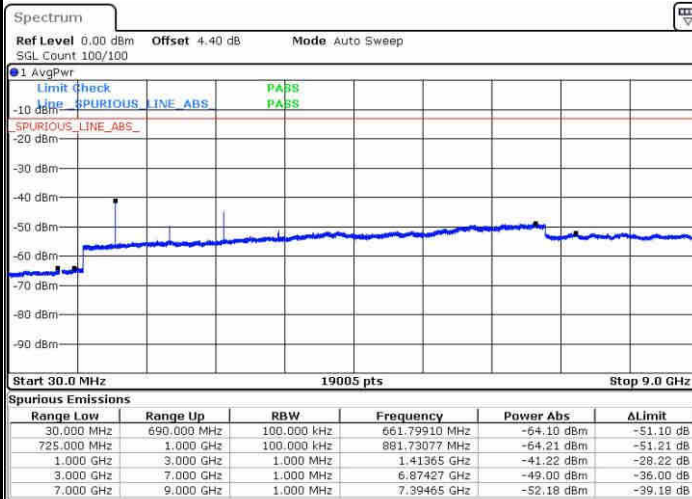
Date: 24 MAR 2017 13:49:38

## Middle Channel / 16QAM



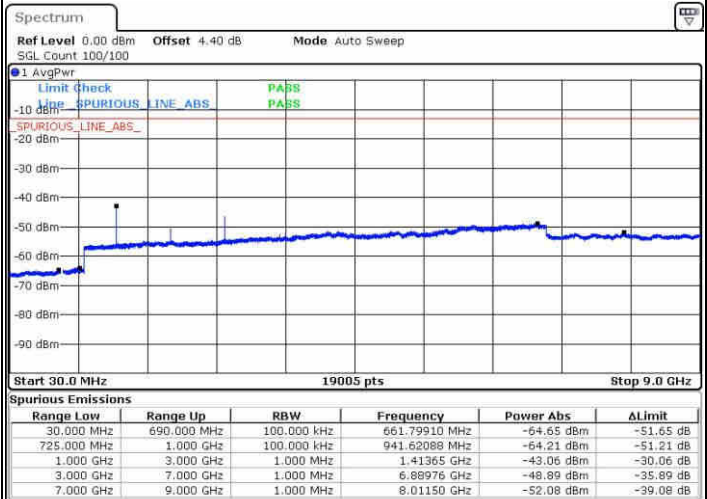
Date: 24 MAR 2017 13:48:42

## Highest Channel / QPSK



Date: 24 MAR 2017 13:50:33

## Highest Channel / 16QAM



Date: 24 MAR 2017 13:51:29

**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    | 0.0009                             | PASS    |
| 40               | Normal Voltage    | 0.0005                             |         |
| 30               | Normal Voltage    | 0.0011                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0003                             |         |
| 0                | Normal Voltage    | 0.0012                             |         |
| -10              | Normal Voltage    | 0.0004                             |         |
| -20              | Normal Voltage    | 0.0002                             |         |
| -30              | Normal Voltage    | 0.0014                             |         |
| 20               | Maximum Voltage   | 0.0006                             |         |
| 20               | Normal Voltage    | 0.0001                             |         |
| 20               | Battery End Point | 0.0010                             |         |

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions     |                   | LTE Band 4 (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    | 0.0037                             |         |
| 30                  | Normal Voltage    | 0.0007                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0044                             |         |
| 0                   | Normal Voltage    | 0.0036                             |         |
| -10                 | Normal Voltage    | 0.0002                             |         |
| -20                 | Normal Voltage    | 0.0009                             |         |
| -30                 | Normal Voltage    | 0.0042                             |         |
| 20                  | Maximum Voltage   | 0.0026                             |         |
| 20                  | Normal Voltage    | 0.0033                             |         |
| 20                  | Battery End Point | 0.0038                             |         |

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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    | 0.0071                             | PASS   |
| 40                  | Normal Voltage    | 0.0006                             |        |
| 30                  | Normal Voltage    | 0.0063                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0029                             |        |
| 0                   | Normal Voltage    | 0.0008                             |        |
| -10                 | Normal Voltage    | 0.0080                             |        |
| -20                 | Normal Voltage    | 0.0020                             |        |
| -30                 | Normal Voltage    | 0.0071                             |        |
| 20                  | Maximum Voltage   | 0.0056                             |        |
| 20                  | Normal Voltage    | 0.0098                             |        |
| 20                  | Battery End Point | 0.0011                             |        |

**Note:** Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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    | 0.0011                              | PASS    |
| 40                  | Normal Voltage    | 0.0072                              |         |
| 30                  | Normal Voltage    | 0.0083                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0018                              |         |
| 0                   | Normal Voltage    | 0.0096                              |         |
| -10                 | Normal Voltage    | 0.0001                              |         |
| -20                 | Normal Voltage    | 0.0007                              |         |
| -30                 | Normal Voltage    | 0.0089                              |         |
| 20                  | Maximum Voltage   | 0.0007                              |         |
| 20                  | Normal Voltage    | 0.0013                              |         |
| 20                  | Battery End Point | 0.0078                              |         |

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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              | -60.26       | -13           | -47.26            | -74.50            | -61.97             | 5.08                 | 6.80                  | H                  |
|                                                 | 5638              | -59.54       | -13           | -46.54            | -76.34            | -61.21             | 8.03                 | 9.70                  | H                  |
|                                                 | 7518              | -54.75       | -13           | -41.75            | -76.05            | -57.13             | 9.43                 | 11.81                 | H                  |
|                                                 | 3759              | -62.32       | -13           | -49.32            | -74.75            | -64.03             | 5.08                 | 6.80                  | V                  |
|                                                 | 5638              | -58.50       | -13           | -45.50            | -75.59            | -60.17             | 8.03                 | 9.70                  | V                  |
|                                                 | 7518              | -55.22       | -13           | -42.22            | -76.36            | -57.60             | 9.43                 | 11.81                 | V                  |

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

| 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              | -60.02       | -13           | -47.02            | -74.26            | -61.73             | 5.08                 | 6.80                  | H                  |
|                                               | 5636              | -58.71       | -13           | -45.71            | -75.51            | -60.38             | 8.03                 | 9.70                  | H                  |
|                                               | 7515              | -54.25       | -13           | -41.25            | -75.55            | -56.63             | 9.43                 | 11.81                 | H                  |
|                                               | 3756              | -61.58       | -13           | -48.58            | -74.01            | -63.29             | 5.08                 | 6.80                  | V                  |
|                                               | 5636              | -57.83       | -13           | -44.83            | -74.92            | -59.50             | 8.03                 | 9.70                  | V                  |
|                                               | 7515              | -53.91       | -13           | -40.91            | -75.05            | -56.29             | 9.43                 | 11.81                 | V                  |

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

| 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              | -60.41       | -13           | -47.41            | -74.65            | -62.12             | 5.08                 | 6.80                  | H                  |
|                                               | 5633              | -58.29       | -13           | -45.29            | -75.09            | -59.96             | 8.03                 | 9.70                  | H                  |
|                                               | 7512              | -54.77       | -13           | -41.77            | -76.07            | -57.15             | 9.43                 | 11.81                 | H                  |
|                                               | 3756              | -62.22       | -13           | -49.22            | -74.65            | -63.93             | 5.08                 | 6.80                  | V                  |
|                                               | 5633              | -58.33       | -13           | -45.33            | -75.42            | -60.00             | 8.03                 | 9.70                  | V                  |
|                                               | 7512              | -55.26       | -13           | -42.26            | -76.4             | -57.64             | 9.43                 | 11.81                 | V                  |

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



| 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              | -60.37       | -13           | -47.37            | -74.61            | -62.08             | 5.08                 | 6.80                  | H                  |
|                                                | 5625              | -59.18       | -13           | -46.18            | -75.98            | -60.85             | 8.03                 | 9.70                  | H                  |
|                                                | 7503              | -55.43       | -13           | -42.43            | -76.73            | -57.81             | 9.43                 | 11.81                 | H                  |
|                                                | 3750              | -61.72       | -13           | -48.72            | -74.15            | -63.43             | 5.08                 | 6.80                  | V                  |
|                                                | 5628              | -59.50       | -13           | -46.50            | -76.59            | -61.17             | 8.03                 | 9.70                  | V                  |
|                                                | 7503              | -55.23       | -13           | -42.23            | -76.37            | -57.61             | 9.43                 | 11.81                 | V                  |

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

| 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              | -60.45       | -13           | -47.45            | -74.69            | -62.16             | 5.08                 | 6.80                  | H                  |
|                                                | 5620              | -59.24       | -13           | -46.24            | -76.04            | -60.91             | 8.03                 | 9.70                  | H                  |
|                                                | 7494              | -55.35       | -13           | -42.35            | -76.65            | -57.73             | 9.43                 | 11.81                 | H                  |
|                                                | 3747              | -62.03       | -13           | -49.03            | -74.46            | -63.74             | 5.08                 | 6.80                  | V                  |
|                                                | 5620              | -58.35       | -13           | -45.35            | -75.44            | -60.02             | 8.03                 | 9.70                  | V                  |
|                                                | 7494              | -56.06       | -13           | -43.06            | -77.2             | -58.44             | 9.43                 | 11.81                 | V                  |

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

| 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              | -59.09       | -13           | -46.09            | -73.33            | -60.80             | 5.08                 | 6.80                  | H                  |
|                                                | 5613              | -58.76       | -13           | -45.76            | -75.56            | -60.43             | 8.03                 | 9.70                  | H                  |
|                                                | 7485              | -55.58       | -13           | -42.58            | -76.88            | -57.96             | 9.43                 | 11.81                 | H                  |
|                                                | 3741              | -61.71       | -13           | -48.71            | -74.14            | -63.42             | 5.08                 | 6.80                  | V                  |
|                                                | 5613              | -58.02       | -13           | -45.02            | -75.11            | -59.69             | 8.03                 | 9.70                  | V                  |
|                                                | 7485              | -54.81       | -13           | -41.81            | -75.95            | -57.19             | 9.43                 | 11.81                 | V                  |

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



| 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              | -61.99       | -13           | -48.99            | -70.89            | -65.96             | 4.87                 | 8.84                  | H                  |
|                                                 | 5196              | -65.29       | -13           | -52.29            | -76.22            | -66.73             | 7.70                 | 9.14                  | H                  |
|                                                 | 6927              | -57.43       | -13           | -44.43            | -75.90            | -59.11             | 8.98                 | 10.66                 | H                  |
|                                                 | 3465              | -59.53       | -13           | -46.53            | -71.15            | -63.50             | 4.87                 | 8.84                  | V                  |
|                                                 | 5196              | -61.42       | -13           | -48.42            | -75.47            | -62.86             | 7.70                 | 9.14                  | V                  |
|                                                 | 6927              | -58.17       | -13           | -45.17            | -76.19            | -59.85             | 8.98                 | 10.66                 | V                  |

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

| 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              | -59.19       | -13           | -46.19            | -68.09            | -63.16             | 4.87                 | 8.84                  | H                  |
|                                               | 5194              | -64.92       | -13           | -51.92            | -75.85            | -66.36             | 7.70                 | 9.14                  | H                  |
|                                               | 6924              | -57.62       | -13           | -44.62            | -76.09            | -59.30             | 8.98                 | 10.66                 | H                  |
|                                               | 3462              | -59.18       | -13           | -46.18            | -70.8             | -63.15             | 4.87                 | 8.84                  | V                  |
|                                               | 5194              | -62.23       | -13           | -49.23            | -76.28            | -63.67             | 7.70                 | 9.14                  | V                  |
|                                               | 6924              | -57.87       | -13           | -44.87            | -75.89            | -59.55             | 8.98                 | 10.66                 | V                  |

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

| LTE Band 4 / 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                                        | 3459              | -60.78       | -13           | -47.78            | -69.68            | -64.75             | 4.87                 | 8.84                  | H                  |
|                                               | 5191              | -65.52       | -13           | -52.52            | -76.45            | -66.96             | 7.70                 | 9.14                  | H                  |
|                                               | 6921              | -58.21       | -13           | -45.21            | -76.68            | -59.89             | 8.98                 | 10.66                 | H                  |
|                                               | 3459              | -59.67       | -13           | -46.67            | -71.29            | -63.64             | 4.87                 | 8.84                  | V                  |
|                                               | 5191              | -62.00       | -13           | -49.00            | -76.05            | -63.44             | 7.70                 | 9.14                  | V                  |
|                                               | 6921              | -57.69       | -13           | -44.69            | -75.71            | -59.37             | 8.98                 | 10.66                 | V                  |

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



| 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              | -59.00       | -13           | -46.00            | -67.90            | -62.97             | 4.87                 | 8.84                  | H                  |
|                                                | 5184              | -65.12       | -13           | -52.12            | -76.05            | -66.56             | 7.70                 | 9.14                  | H                  |
|                                                | 6912              | -58.69       | -13           | -45.69            | -77.16            | -60.37             | 8.98                 | 10.66                 | H                  |
|                                                | 3456              | -60.94       | -13           | -47.94            | -72.56            | -64.91             | 4.87                 | 8.84                  | V                  |
|                                                | 5184              | -62.57       | -13           | -49.57            | -76.62            | -64.01             | 7.70                 | 9.14                  | V                  |
|                                                | 6912              | -58.46       | -13           | -45.46            | -76.48            | -60.14             | 8.98                 | 10.66                 | V                  |

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

| 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                                         | 3450              | -56.80       | -13           | -43.80            | -65.70            | -60.77             | 4.87                 | 8.84                  | H                  |
|                                                | 5178              | -64.02       | -13           | -51.02            | -74.95            | -65.46             | 7.70                 | 9.14                  | H                  |
|                                                | 6903              | -57.76       | -13           | -44.76            | -76.23            | -59.44             | 8.98                 | 10.66                 | H                  |
|                                                | 3450              | -58.27       | -13           | -45.27            | -69.89            | -62.24             | 4.87                 | 8.84                  | V                  |
|                                                | 5178              | -62.28       | -13           | -49.28            | -76.33            | -63.72             | 7.70                 | 9.14                  | V                  |
|                                                | 6903              | -58.49       | -13           | -45.49            | -76.51            | -60.17             | 8.98                 | 10.66                 | V                  |

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

| 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              | -56.92       | -13           | -43.92            | -65.82            | -60.89             | 4.87                 | 8.84                  | H                  |
|                                                | 5172              | -64.82       | -13           | -51.82            | -75.75            | -66.26             | 7.70                 | 9.14                  | H                  |
|                                                | 6894              | -58.44       | -13           | -45.44            | -76.91            | -60.12             | 8.98                 | 10.66                 | H                  |
|                                                | 3447              | -58.45       | -13           | -45.45            | -70.07            | -62.42             | 4.87                 | 8.84                  | V                  |
|                                                | 5170.77           | -61.79       | -13           | -48.79            | -75.84            | -63.23             | 7.70                 | 9.14                  | V                  |
|                                                | 6894              | -58.71       | -13           | -45.71            | -76.73            | -60.39             | 8.98                 | 10.66                 | V                  |

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



| 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              | -54.37      | -13           | -41.37            | -58.57            | -56.69             | 1.33                 | 5.80                  | H                  |
|                                                 | 2508              | -52.79      | -13           | -39.79            | -62.14            | -55.96             | 1.58                 | 6.90                  | H                  |
|                                                 | 3345              | -58.91      | -13           | -45.91            | -68.12            | -62.41             | 1.85                 | 7.50                  | H                  |
|                                                 | 1672              | -62.46      | -13           | -49.46            | -64.33            | -64.78             | 1.33                 | 5.80                  | V                  |
|                                                 | 2508              | -57.97      | -13           | -44.97            | -65.94            | -61.14             | 1.58                 | 6.90                  | V                  |
|                                                 | 3345              | -55.16      | -13           | -42.16            | -64.18            | -58.66             | 1.85                 | 7.50                  | V                  |

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

| 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              | -55.52      | -13           | -42.52            | -59.49            | -57.84             | 1.33                 | 5.80                  | H                  |
|                                               | 2506              | -53.53      | -13           | -40.53            | -62.88            | -56.70             | 1.58                 | 6.90                  | H                  |
|                                               | 3342              | -58.17      | -13           | -45.17            | -67.38            | -61.67             | 1.85                 | 7.50                  | H                  |
|                                               | 1670              | -64.97      | -13           | -51.97            | -66.84            | -67.29             | 1.33                 | 5.80                  | V                  |
|                                               | 2506              | -60.98      | -13           | -47.98            | -68.95            | -64.15             | 1.58                 | 6.90                  | V                  |
|                                               | 3342              | -62.22      | -13           | -49.22            | -71.24            | -65.72             | 1.85                 | 7.50                  | V                  |

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



| 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              | -57.73      | -13           | -44.73            | -60.84            | -60.05             | 1.33                 | 5.80                  | H                  |
|                                               | 2502              | -52.08      | -13           | -39.08            | -61.43            | -55.25             | 1.58                 | 6.90                  | H                  |
|                                               | 3336              | -62.42      | -13           | -49.42            | -71.63            | -65.92             | 1.85                 | 7.50                  | H                  |
|                                               | 1668              | -64.95      | -13           | -51.95            | -66.82            | -67.27             | 1.33                 | 5.80                  | V                  |
|                                               | 2502              | -60.56      | -13           | -47.56            | -68.53            | -63.73             | 1.58                 | 6.90                  | V                  |
|                                               | 3336              | -64.57      | -13           | -51.57            | -73.59            | -68.07             | 1.85                 | 7.50                  | V                  |

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

| 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              | -61.16      | -13           | -48.16            | -63.76            | -63.48             | 1.33                 | 5.80                  | H                  |
|                                                | 2496              | -51.34      | -13           | -38.34            | -60.94            | -54.51             | 1.58                 | 6.90                  | H                  |
|                                                | 3327              | -59.16      | -13           | -46.16            | -68.37            | -62.66             | 1.85                 | 7.50                  | H                  |
|                                                | 1664              | -66.98      | -13           | -53.98            | -68.85            | -69.30             | 1.33                 | 5.80                  | V                  |
|                                                | 2496              | -59.87      | -13           | -46.87            | -67.84            | -63.04             | 1.58                 | 6.90                  | V                  |
|                                                | 3327              | -62.38      | -13           | -49.38            | -71.40            | -65.88             | 1.85                 | 7.50                  | V                  |

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



| 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              | -69.43      | -13           | -56.43            | -70.38            | -70.33             | 1.14                 | 4.19                  | H                  |
|                                                  | 2120              | -64.09      | -13           | -51.09            | -68.68            | -65.55             | 1.4                  | 5.01                  | H                  |
|                                                  | 2828              | -65.42      | -13           | -52.42            | -69.39            | -67.95             | 1.63                 | 6.31                  | H                  |
|                                                  | 3534              | -68.22      | -13           | -55.22            | -75.85            | -70.96             | 1.89                 | 6.78                  | H                  |
|                                                  | 1414              | -67.11      | -13           | -54.11            | -68.18            | -68.01             | 1.14                 | 4.19                  | V                  |
|                                                  | 2120              | -63.37      | -13           | -50.37            | -67.95            | -64.83             | 1.40                 | 5.01                  | V                  |
|                                                  | 2828              | -58.19      | -13           | -45.19            | -63.83            | -60.72             | 1.63                 | 6.31                  | V                  |
|                                                  | 3536              | -62.73      | -13           | -49.73            | -69.14            | -65.47             | 1.89                 | 6.78                  | V                  |

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

| 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              | -68.08      | -13           | -55.08            | -69.03            | -68.98             | 1.14                 | 4.19                  | H                  |
|                                                | 2118              | -64.09      | -13           | -51.09            | -68.68            | -65.55             | 1.4                  | 5.01                  | H                  |
|                                                | 2824              | -63.81      | -13           | -50.81            | -67.78            | -66.34             | 1.63                 | 6.31                  | H                  |
|                                                | 3528              | -67.36      | -13           | -54.36            | -74.99            | -70.10             | 1.89                 | 6.78                  | H                  |
|                                                | 1412              | -67.44      | -13           | -54.44            | -68.51            | -68.34             | 1.14                 | 4.19                  | V                  |
|                                                | 2118              | -62.28      | -13           | -49.28            | -66.86            | -63.74             | 1.40                 | 5.01                  | V                  |
|                                                | 2824              | -60.51      | -13           | -47.51            | -65.19            | -63.04             | 1.63                 | 6.31                  | V                  |
|                                                | 3528              | -63.99      | -13           | -50.99            | -70.40            | -66.73             | 1.89                 | 6.78                  | V                  |

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



| LTE Band 12 / 5MHz / 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                                         | 1410                 | -69.26         | -13              | -56.26                  | -70.21                  | -70.16                   | 1.14                       | 4.19                        | H                     |
|                                                | 2116                 | -63.06         | -13              | -50.06                  | -67.65                  | -64.52                   | 1.4                        | 5.01                        | H                     |
|                                                | 2821                 | -66.14         | -13              | -53.14                  | -70.11                  | -68.67                   | 1.63                       | 6.31                        | H                     |
|                                                | 3528                 | -64.92         | -13              | -51.92                  | -72.55                  | -67.66                   | 1.89                       | 6.78                        | H                     |
|                                                | 1410                 | -65.71         | -13              | -52.71                  | -66.78                  | -66.61                   | 1.14                       | 4.19                        | V                     |
|                                                | 2116                 | -61.67         | -13              | -48.67                  | -66.25                  | -63.13                   | 1.40                       | 5.01                        | V                     |
|                                                | 2820                 | -63.44         | -13              | -50.44                  | -68.12                  | -65.97                   | 1.63                       | 6.31                        | V                     |
|                                                | 3528                 | -63.79         | -13              | -50.79                  | -70.20                  | -66.53                   | 1.89                       | 6.78                        | V                     |

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

| 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                 | -69.23         | -13              | -56.23                  | -70.18                  | -70.13                   | 1.14                       | 4.19                        | H                     |
|                                                 | 2108                 | -62.13         | -13              | -49.13                  | -66.72                  | -63.59                   | 1.4                        | 5.01                        | H                     |
|                                                 | 2812                 | -64.43         | -13              | -51.43                  | -68.40                  | -66.96                   | 1.63                       | 6.31                        | H                     |
|                                                 | 3516                 | -68.11         | -13              | -55.11                  | -75.74                  | -70.85                   | 1.89                       | 6.78                        | H                     |
|                                                 | 1406                 | -64.88         | -13              | -51.88                  | -65.95                  | -65.78                   | 1.14                       | 4.19                        | V                     |
|                                                 | 2108                 | -60.36         | -13              | -47.36                  | -64.94                  | -61.82                   | 1.40                       | 5.01                        | V                     |
|                                                 | 2812                 | -61.11         | -13              | -48.11                  | -65.79                  | -63.64                   | 1.63                       | 6.31                        | V                     |
|                                                 | 3516                 | -67.31         | -13              | -54.31                  | -73.72                  | -70.05                   | 1.89                       | 6.78                        | V                     |

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