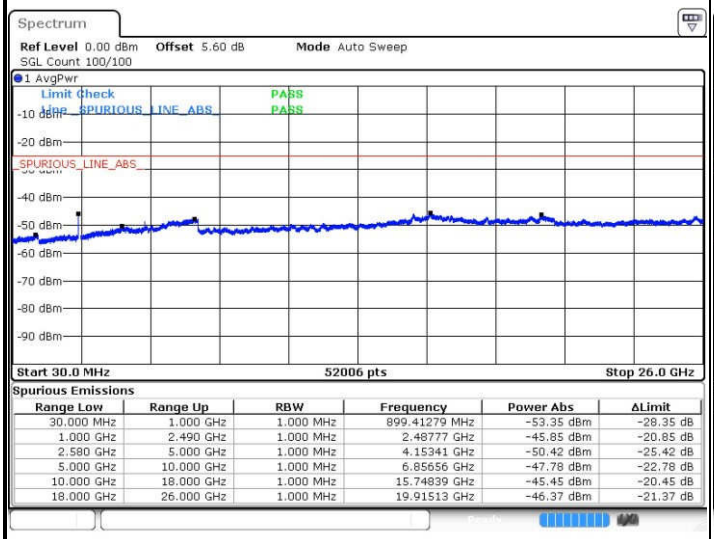
## LTE Band 7 / 15MHz

### Lowest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 899.41279 MHz | -53.35 dBm | -28.35 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -45.85 dBm | -20.85 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.15341 GHz | -50.42 dBm | -25.42 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.85656 GHz | -47.78 dBm | -22.78 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74839 GHz | -45.45 dBm | -20.45 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.91513 GHz | -46.37 dBm | -21.37 dB |

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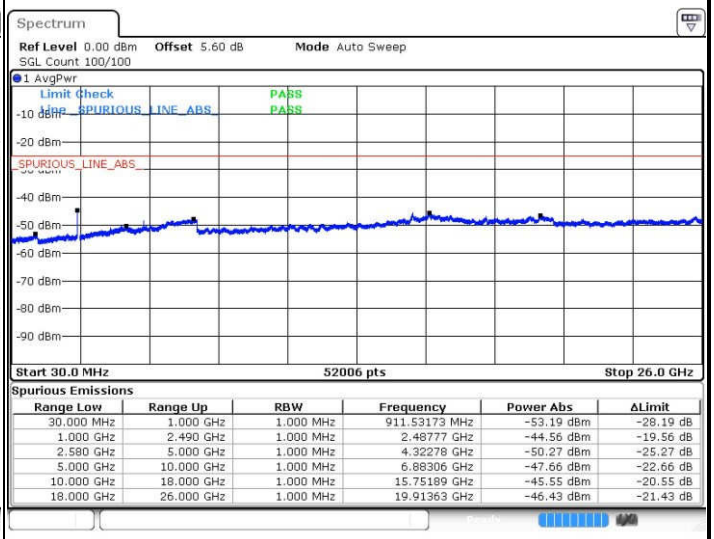
### Lowest Channel / 16QAM

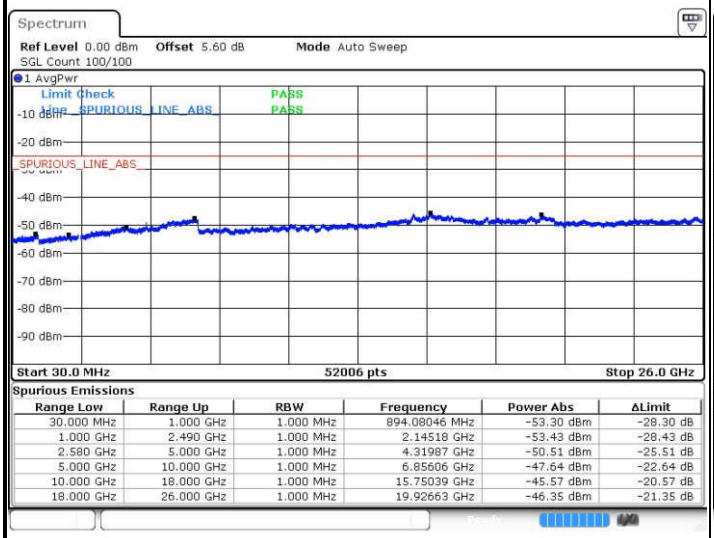



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 911.53173 MHz | -53.19 dBm | -28.19 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -44.56 dBm | -19.56 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.32278 GHz | -50.27 dBm | -25.27 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.88306 GHz | -47.66 dBm | -22.66 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75189 GHz | -45.55 dBm | -20.55 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.91363 GHz | -46.43 dBm | -21.43 dB |

Date: 14.JAN.2017 20:32:28

### Middle Channel / QPSK

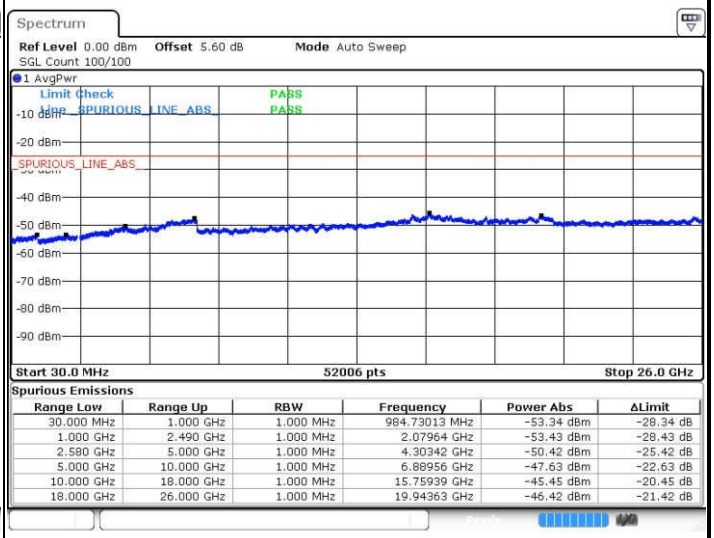



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 894.08046 MHz | -53.30 dBm | -28.30 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.14518 GHz | -53.43 dBm | -28.43 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.31987 GHz | -50.51 dBm | -25.51 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.85606 GHz | -47.64 dBm | -22.64 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75039 GHz | -45.57 dBm | -20.57 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.92663 GHz | -46.35 dBm | -21.35 dB |

Date: 14.JAN.2017 20:34:17

### Middle Channel / 16QAM



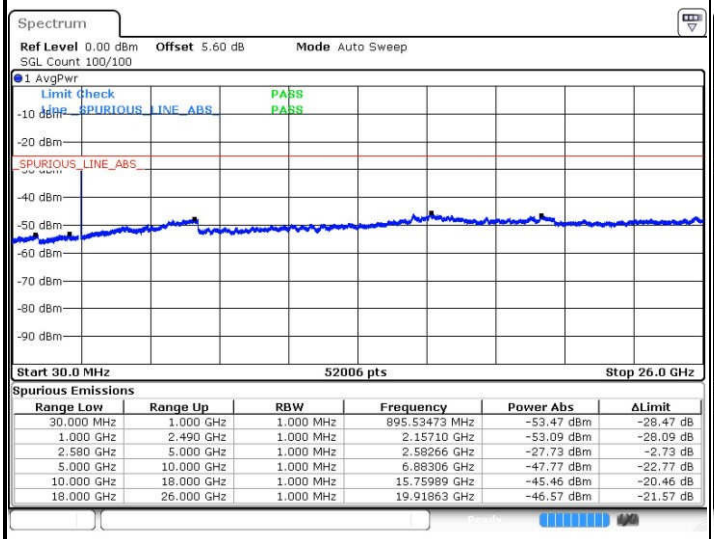

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 984.73013 MHz | -53.34 dBm | -28.34 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.07964 GHz | -53.43 dBm | -28.43 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.30342 GHz | -50.42 dBm | -25.42 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.88956 GHz | -47.63 dBm | -22.63 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75939 GHz | -45.45 dBm | -20.45 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.94363 GHz | -46.42 dBm | -21.42 dB |

Date: 14.JAN.2017 20:33:22

## LTE Band7 / 15MHz

### Highest Channel / QPSK

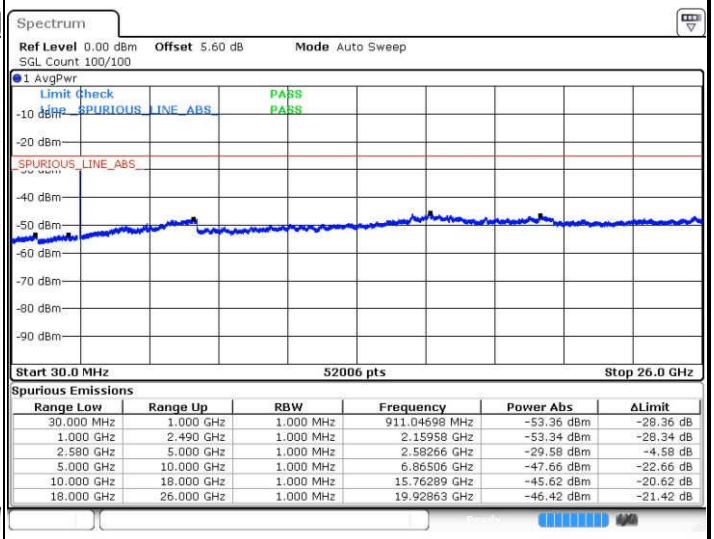



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 895.53473 MHz | -53.47 dBm | -28.47 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.15710 GHz | -53.09 dBm | -28.09 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 2.58266 GHz | -27.73 dBm | -2.73 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.88306 GHz | -47.77 dBm | -22.77 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75989 GHz | -45.46 dBm | -20.46 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.91863 GHz | -46.57 dBm | -21.57 dB |

Date: 14.JAN.2017 20:35:11

### Highest Channel / 16QAM



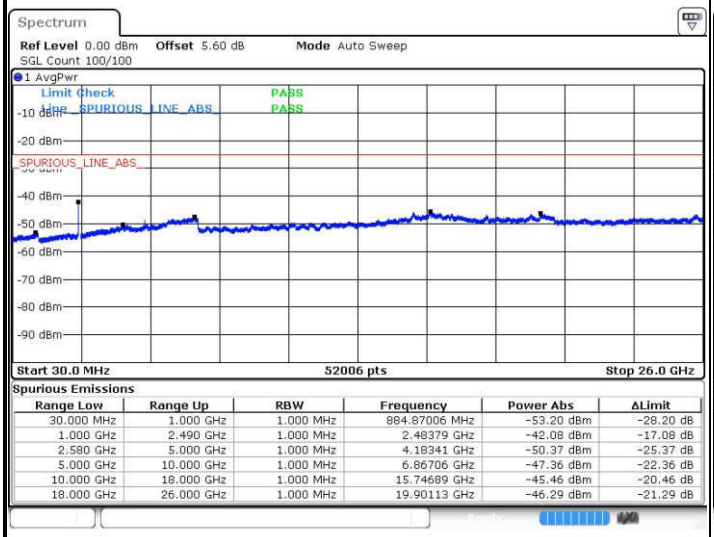

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 911.04698 MHz | -53.36 dBm | -28.36 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.15958 GHz | -53.34 dBm | -28.34 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 2.58266 GHz | -29.58 dBm | -4.58 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.86506 GHz | -47.66 dBm | -22.66 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76289 GHz | -45.62 dBm | -20.62 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.92863 GHz | -46.42 dBm | -21.42 dB |

Date: 14.JAN.2017 20:36:05

## LTE Band 7 / 20MHz

### Lowest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 884.87006 MHz | -53.20 dBm | -28.20 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48379 GHz | -42.08 dBm | -17.08 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.18341 GHz | -50.37 dBm | -25.37 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.86706 GHz | -47.36 dBm | -22.36 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74689 GHz | -45.46 dBm | -20.46 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.90113 GHz | -46.29 dBm | -21.29 dB |

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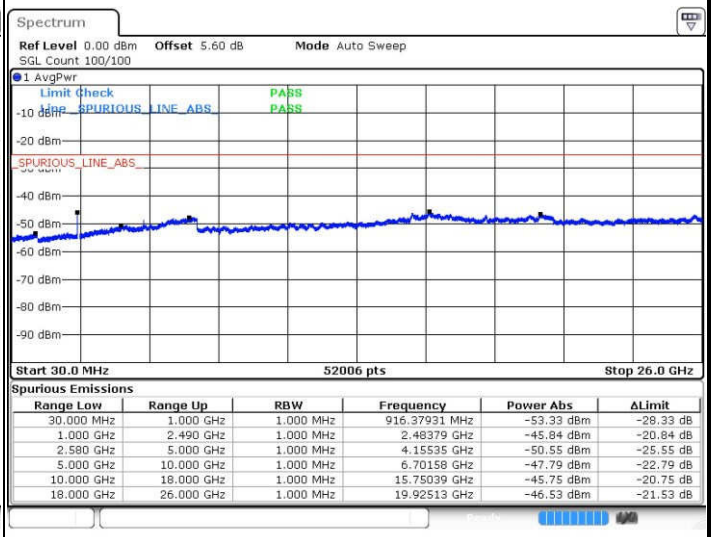
### Lowest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 916.37931 MHz | -53.33 dBm | -28.33 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48379 GHz | -45.84 dBm | -20.84 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.15535 GHz | -50.55 dBm | -25.55 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.70158 GHz | -47.79 dBm | -22.79 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75039 GHz | -45.75 dBm | -20.75 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.92513 GHz | -46.53 dBm | -21.53 dB |

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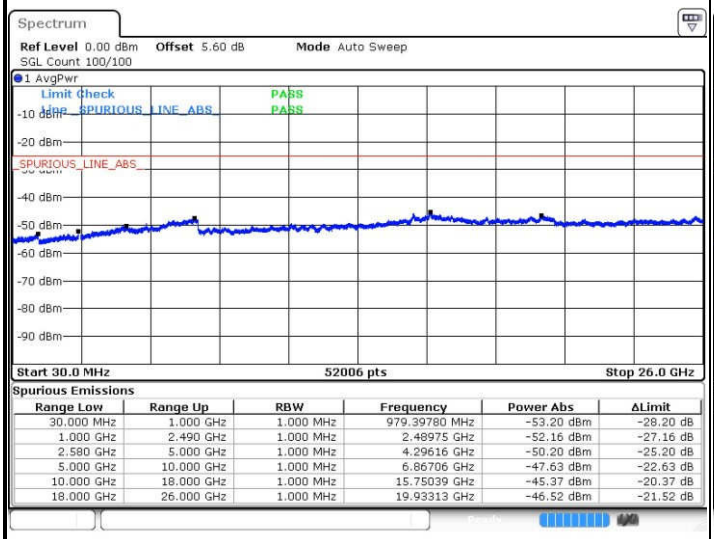
## LTE Band 7 / 20MHz

### Middle Channel / QPSK

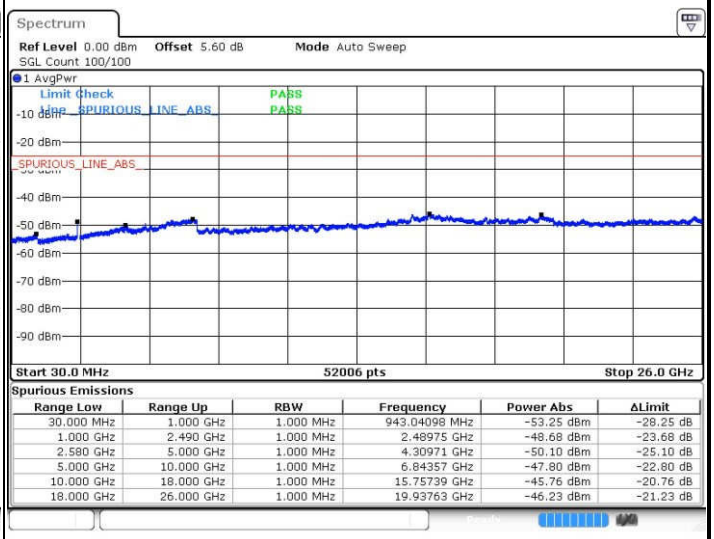



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 979.39780 MHz | -53.20 dBm | -28.20 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -52.16 dBm | -27.16 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.29616 GHz | -50.20 dBm | -25.20 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.86706 GHz | -47.63 dBm | -22.63 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75039 GHz | -45.37 dBm | -20.37 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.93313 GHz | -46.52 dBm | -21.52 dB |

Date: 14.JAN.2017 20:50:52

### Middle Channel / 16QAM

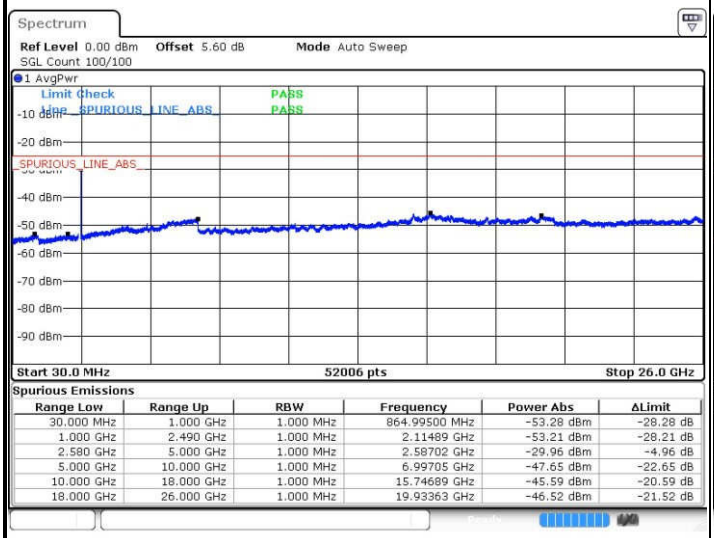



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 943.04098 MHz | -53.25 dBm | -28.25 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -48.68 dBm | -23.68 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.30971 GHz | -50.10 dBm | -25.10 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.84357 GHz | -47.80 dBm | -22.80 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75739 GHz | -45.76 dBm | -20.76 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.93763 GHz | -46.23 dBm | -21.23 dB |

Date: 14.JAN.2017 20:49:58

### Highest Channel / QPSK

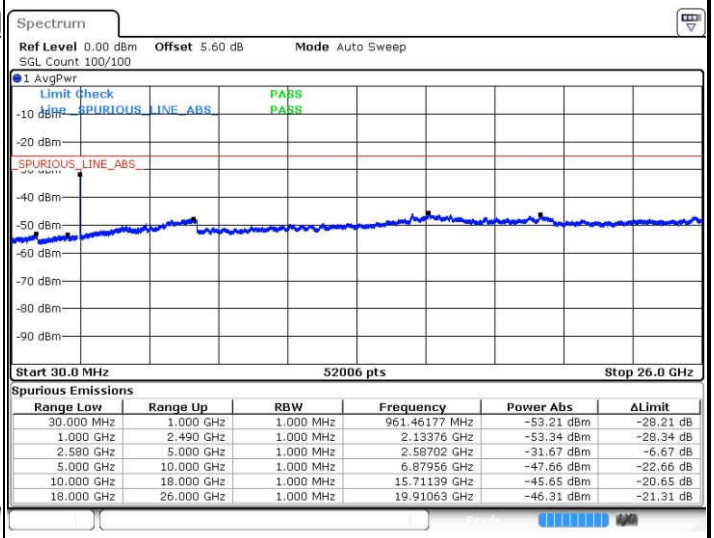



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.99500 MHz | -53.28 dBm | -28.28 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.11489 GHz | -53.21 dBm | -28.21 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 2.58702 GHz | -29.96 dBm | -4.96 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99705 GHz | -47.65 dBm | -22.65 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74689 GHz | -45.59 dBm | -20.59 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.93363 GHz | -46.52 dBm | -21.52 dB |

Date: 14.JAN.2017 20:51:47

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 961.46177 MHz | -53.21 dBm | -28.21 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.13376 GHz | -53.34 dBm | -28.34 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 2.58702 GHz | -31.67 dBm | -6.67 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.87956 GHz | -47.66 dBm | -22.66 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.71139 GHz | -45.65 dBm | -20.65 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.91063 GHz | -46.31 dBm | -21.31 dB |

Date: 14.JAN.2017 20:52:41

# 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 | 0.0007 | PASS |
| 40 | Normal Voltage | 0.0004 | |
| 30 | Normal Voltage | 0.0013 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0020 | |
| 0 | Normal Voltage | 0.0012 | |
| -10 | Normal Voltage | 0.0001 | |
| -20 | Normal Voltage | 0.0017 | |
| -30 | Normal Voltage | 0.0005 | |
| 20 | Maximum Voltage | 0.0003 | |
| 20 | Normal Voltage | 0.0015 | |
| 20 | Battery End Point | 0.0002 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 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 (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0009 | PASS |
| 40 | Normal Voltage | 0.0013 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0005 | |
| -10 | Normal Voltage | 0.0002 | |
| -20 | Normal Voltage | 0.0015 | |
| -30 | Normal Voltage | 0.0004 | |
| 20 | Maximum Voltage | 0.0001 | |
| 20 | Normal Voltage | 0.0012 | |
| 20 | Battery End Point | 0.0003 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 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 (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0025 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0016 | |
| -10 | Normal Voltage | 0.0020 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0005 | |
| 20 | Battery End Point | 0.0018 | |

**Note:** Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.2 V.

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0009 | PASS |
| 40 | Normal Voltage | 0.0012 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0008 | |
| 0 | Normal Voltage | 0.0003 | |
| -10 | Normal Voltage | 0.0010 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0013 | |
| 20 | Maximum Voltage | 0.0007 | |
| 20 | Normal Voltage | 0.0002 | |
| 20 | Battery End Point | 0.0006 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 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 | 3756 | -66.39 | -13 | -53.39 | -69.90 | -71.38 | 1.88 | 6.87 | H |
| | 5640 | -66.47 | -13 | -53.47 | -74.66 | -73.77 | 2.38 | 9.68 | H |
| | 7518 | -63.07 | -13 | -50.07 | -75.10 | -72.14 | 2.74 | 11.81 | H |
| | 3756 | -67.37 | -13 | -54.37 | -71.16 | -72.36 | 1.88 | 6.87 | V |
| | 5640 | -66.13 | -13 | -53.13 | -74.7 | -73.43 | 2.38 | 9.68 | V |
| | 7518 | -63.79 | -13 | -50.79 | -74.5 | -72.86 | 2.74 | 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 | -65.57 | -13 | -52.57 | -69.08 | -70.56 | 1.88 | 6.87 | H |
| | 5634 | -66.84 | -13 | -53.84 | -75.03 | -74.14 | 2.38 | 9.68 | H |
| | 7512 | -62.66 | -13 | -49.66 | -74.69 | -71.73 | 2.74 | 11.81 | H |
| | 3756 | -66.72 | -13 | -53.72 | -70.51 | -71.71 | 1.88 | 6.87 | V |
| | 5634 | -65.92 | -13 | -52.92 | -74.49 | -73.22 | 2.38 | 9.68 | V |
| | 7512 | -63.05 | -13 | -50.05 | -73.76 | -72.12 | 2.74 | 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 | -64.74 | -13 | -51.74 | -68.25 | -69.73 | 1.88 | 6.87 | H |
| | 5634 | -65.82 | -13 | -52.82 | -74.01 | -73.12 | 2.38 | 9.68 | H |
| | 7512 | -62.35 | -13 | -49.35 | -74.38 | -71.42 | 2.74 | 11.81 | H |
| | 3756 | -67.87 | -13 | -54.87 | -71.66 | -72.86 | 1.88 | 6.87 | V |
| | 5634 | -65.53 | -13 | -52.53 | -74.1 | -72.83 | 2.38 | 9.68 | V |
| | 7512 | -63.45 | -13 | -50.45 | -74.16 | -72.52 | 2.74 | 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 | -67.98 | -13 | -54.98 | -71.49 | -72.97 | 1.88 | 6.87 | H |
| | 5628 | -65.70 | -13 | -52.70 | -73.89 | -73.00 | 2.38 | 9.68 | H |
| | 7500 | -62.01 | -13 | -49.01 | -74.04 | -71.08 | 2.74 | 11.81 | H |
| | 3750 | -67.86 | -13 | -54.86 | -71.65 | -72.85 | 1.88 | 6.87 | V |
| | 5628 | -65.22 | -13 | -52.22 | -73.79 | -72.52 | 2.38 | 9.68 | V |
| | 7500 | -64.46 | -13 | -51.46 | -75.17 | -73.53 | 2.74 | 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 | 3744 | -66.31 | -13 | -53.31 | -69.82 | -71.30 | 1.88 | 6.87 | H |
| | 5616 | -66.85 | -13 | -53.85 | -75.04 | -74.15 | 2.38 | 9.68 | H |
| | 7488 | -62.30 | -13 | -49.30 | -74.33 | -71.37 | 2.74 | 11.81 | H |
| | 3744 | -67.68 | -13 | -54.68 | -71.47 | -72.67 | 1.88 | 6.87 | V |
| | 5616 | -65.82 | -13 | -52.82 | -74.39 | -73.12 | 2.38 | 9.68 | V |
| | 7488 | -64.11 | -13 | -51.11 | -74.82 | -73.18 | 2.74 | 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 | 3738 | -67.86 | -13 | -54.86 | -71.37 | -72.85 | 1.88 | 6.87 | H |
| | 5610 | -67.04 | -13 | -54.04 | -75.23 | -74.34 | 2.38 | 9.68 | H |
| | 7482 | -62.81 | -13 | -49.81 | -74.84 | -71.88 | 2.74 | 11.81 | H |
| | 3738 | -69.10 | -13 | -56.10 | -72.89 | -74.09 | 1.88 | 6.87 | V |
| | 5610 | -66.22 | -13 | -53.22 | -74.79 | -73.52 | 2.38 | 9.68 | V |
| | 7482 | -63.56 | -13 | -50.56 | -74.27 | -72.63 | 2.74 | 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 | 3462 | -63.30 | -13 | -50.30 | -70.09 | -68.19 | 1.81 | 6.70 | H |
| | 5196 | -61.16 | -13 | -48.16 | -73.84 | -68.06 | 2.23 | 9.13 | H |
| | 6930 | -59.79 | -13 | -46.79 | -74.97 | -67.85 | 2.60 | 10.66 | H |
| | 3462 | -65.54 | -13 | -52.54 | -70.74 | -70.43 | 1.81 | 6.70 | V |
| | 5196 | -59.62 | -13 | -46.62 | -73.17 | -66.52 | 2.23 | 9.13 | V |
| | 6930 | -60.12 | -13 | -47.12 | -75.17 | -68.18 | 2.6 | 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 | -61.91 | -13 | -48.91 | -68.70 | -66.80 | 1.81 | 6.70 | H |
| | 5194 | -61.05 | -13 | -48.05 | -73.73 | -67.95 | 2.23 | 9.13 | H |
| | 6924 | -60.44 | -13 | -47.44 | -75.62 | -68.50 | 2.60 | 10.66 | H |
| | 3462 | -65.17 | -13 | -52.17 | -70.37 | -70.06 | 1.81 | 6.70 | V |
| | 5194 | -60.16 | -13 | -47.16 | -73.71 | -67.06 | 2.23 | 9.13 | V |
| | 6924 | -59.99 | -13 | -46.99 | -75.04 | -68.05 | 2.6 | 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 | 3460 | -62.00 | -13 | -49.00 | -68.79 | -66.89 | 1.81 | 6.70 | H |
| | 5190 | -60.34 | -13 | -47.34 | -73.02 | -67.24 | 2.23 | 9.13 | H |
| | 6922 | -59.98 | -13 | -46.98 | -75.16 | -68.04 | 2.60 | 10.66 | H |
| | 3460 | -65.59 | -13 | -52.59 | -70.79 | -70.48 | 1.81 | 6.70 | V |
| | 5190 | -59.46 | -13 | -46.46 | -73.01 | -66.36 | 2.23 | 9.13 | V |
| | 6922 | -60.21 | -13 | -47.21 | -75.26 | -68.27 | 2.6 | 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 | -57.86 | -13 | -44.86 | -64.65 | -62.75 | 1.81 | 6.70 | H |
| | 5184 | -60.75 | -13 | -47.75 | -73.43 | -67.65 | 2.23 | 9.13 | H |
| | 6912 | -59.76 | -13 | -46.76 | -74.94 | -67.82 | 2.60 | 10.66 | H |
| | 3456 | -61.38 | -13 | -48.38 | -66.58 | -66.27 | 1.81 | 6.70 | V |
| | 5184 | -59.39 | -13 | -46.39 | -72.94 | -66.29 | 2.23 | 9.13 | V |
| | 6912 | -59.28 | -13 | -46.28 | -74.33 | -67.34 | 2.6 | 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 | -63.34 | -13 | -50.34 | -70.13 | -68.23 | 1.81 | 6.70 | H |
| | 5178 | -61.02 | -13 | -48.02 | -73.70 | -67.92 | 2.23 | 9.13 | H |
| | 6903 | -60.53 | -13 | -47.53 | -75.71 | -68.59 | 2.60 | 10.66 | H |
| | 3450 | -65.35 | -13 | -52.35 | -70.55 | -70.24 | 1.81 | 6.70 | V |
| | 5178 | -59.69 | -13 | -46.69 | -73.24 | -66.59 | 2.23 | 9.13 | V |
| | 6903 | -60.69 | -13 | -47.69 | -75.74 | -68.75 | 2.6 | 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 | -63.97 | -13 | -50.97 | -70.76 | -68.86 | 1.81 | 6.70 | H |
| | 5170 | -61.33 | -13 | -48.33 | -74.01 | -68.23 | 2.23 | 9.13 | H |
| | 6894 | -60.18 | -13 | -47.18 | -75.36 | -68.24 | 2.60 | 10.66 | H |
| | 3447 | -66.77 | -13 | -53.77 | -71.97 | -71.66 | 1.81 | 6.70 | V |
| | 5170 | -60.02 | -13 | -47.02 | -73.57 | -66.92 | 2.23 | 9.13 | V |
| | 6894 | -60.57 | -13 | -47.57 | -75.62 | -68.63 | 2.6 | 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 | -48.61 | -13 | -35.61 | -49.53 | -50.47 | 1.19 | 5.20 | H |
| | 2508 | -41.22 | -13 | -28.22 | -47.05 | -43.44 | 1.53 | 5.90 | H |
| | 3345 | -64.18 | -13 | -51.18 | -68.13 | -66.97 | 1.76 | 6.70 | H |
| | 1672 | -56.56 | -13 | -43.56 | -54.52 | -58.42 | 1.19 | 5.20 | V |
| | 2508 | -47.59 | -13 | -34.59 | -51.61 | -49.81 | 1.53 | 5.90 | V |
| | 3345 | -66.01 | -13 | -53.01 | -69.33 | -68.80 | 1.76 | 6.70 | 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 | -55.24 | -13 | -42.24 | -54.23 | -57.10 | 1.19 | 5.20 | H |
| | 2506 | -48.35 | -13 | -35.35 | -52.72 | -50.57 | 1.53 | 5.90 | H |
| | 3342 | -64.18 | -13 | -51.18 | -68.13 | -66.97 | 1.76 | 6.70 | H |
| | 1670 | -60.62 | -13 | -47.62 | -58.58 | -62.48 | 1.19 | 5.20 | V |
| | 2506 | -47.82 | -13 | -34.82 | -51.8 | -50.04 | 1.53 | 5.90 | V |
| | 3342 | -67.40 | -13 | -54.40 | -70.72 | -70.19 | 1.76 | 6.70 | 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 | -47.12 | -13 | -34.12 | -47.54 | -48.98 | 1.19 | 5.20 | H |
| | 2502 | -37.26 | -13 | -24.26 | -43.59 | -39.48 | 1.53 | 5.90 | H |
| | 3336 | -62.33 | -13 | -49.33 | -66.28 | -65.12 | 1.76 | 6.70 | H |
| | 1668 | -60.77 | -13 | -47.77 | -58.73 | -62.63 | 1.19 | 5.20 | V |
| | 2502 | -41.69 | -13 | -28.69 | -46.91 | -43.91 | 1.53 | 5.90 | V |
| | 3336 | -66.53 | -13 | -53.53 | -69.85 | -69.32 | 1.76 | 6.70 | 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 | -56.96 | -13 | -43.96 | -55.60 | -58.82 | 1.19 | 5.20 | H |
| | 2496 | -37.80 | -13 | -24.80 | -44.37 | -40.02 | 1.53 | 5.90 | H |
| | 3327 | -54.47 | -13 | -41.47 | -58.42 | -57.26 | 1.76 | 6.70 | H |
| | 1664 | -61.14 | -13 | -48.14 | -59.1 | -63.00 | 1.19 | 5.20 | V |
| | 2496 | -46.04 | -13 | -33.04 | -50.51 | -48.26 | 1.53 | 5.90 | V |
| | 3330 | -57.31 | -13 | -44.31 | -60.63 | -60.10 | 1.76 | 6.70 | V |

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

| LTE Band 7 / 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 | 5064 | -61.41 | -25 | -36.41 | -70.63 | -67.97 | 2.41 | 8.97 | H |
| | 7600 | -59.10 | -25 | -34.10 | -72.80 | -68.10 | 2.86 | 11.86 | H |
| | 10134 | -57.04 | -25 | -32.04 | -75.39 | -65.94 | 3.21 | 12.11 | H |
| | 5064 | -63.78 | -25 | -38.78 | -72.49 | -70.34 | 2.41 | 8.97 | V |
| | 7600 | -59.89 | -25 | -34.89 | -74.52 | -68.89 | 2.86 | 11.86 | V |
| | 10134 | -56.86 | -25 | -31.86 | -76.26 | -65.76 | 3.21 | 12.11 | V |

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

| LTE Band 7 / 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 | 5060 | -60.69 | -25 | -35.69 | -69.91 | -67.25 | 2.41 | 8.97 | H |
| | 7592 | -56.31 | -25 | -31.31 | -70.01 | -65.31 | 2.86 | 11.86 | H |
| | 10125 | -57.87 | -25 | -32.87 | -76.22 | -66.77 | 3.21 | 12.11 | H |
| | 5060 | -63.91 | -25 | -38.91 | -72.62 | -70.47 | 2.41 | 8.97 | V |
| | 7592 | -55.95 | -25 | -30.95 | -70.58 | -64.95 | 2.86 | 11.86 | V |
| | 10125 | -56.41 | -25 | -31.41 | -75.81 | -65.31 | 3.21 | 12.11 | V |

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

| LTE Band 7 / 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 | 5056 | -58.91 | -25 | -33.91 | -68.13 | -65.47 | 2.41 | 8.97 | H |
| | 7584 | -57.22 | -25 | -32.22 | -70.92 | -66.22 | 2.86 | 11.86 | H |
| | 10116 | -57.57 | -25 | -32.57 | -75.92 | -66.47 | 3.21 | 12.11 | H |
| | 5056 | -62.97 | -25 | -37.97 | -71.68 | -69.53 | 2.41 | 8.97 | V |
| | 7584 | -59.18 | -25 | -34.18 | -73.81 | -68.18 | 2.86 | 11.86 | V |
| | 10116 | -56.05 | -25 | -31.05 | -75.45 | -64.95 | 3.21 | 12.11 | V |

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

| LTE Band 7 / 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 | 5052 | -58.78 | -25 | -33.78 | -68.00 | -65.34 | 2.41 | 8.97 | H |
| | 7580 | -60.10 | -25 | -35.10 | -73.80 | -69.10 | 2.86 | 11.86 | H |
| | 10107 | -57.13 | -25 | -32.13 | -75.48 | -66.03 | 3.21 | 12.11 | H |
| | 5052 | -61.84 | -25 | -36.84 | -70.55 | -68.40 | 2.41 | 8.97 | V |
| | 7580 | -59.77 | -25 | -34.77 | -74.4 | -68.77 | 2.86 | 11.86 | V |
| | 10107 | -55.83 | -25 | -30.83 | -75.23 | -64.73 | 3.21 | 12.11 | V |

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